

CASTNET Reference Listing: 2011-2015

Included publications that used CASTNET data or made comparisons to CASTNET data. A publicly available listing of all citations using CASTNET data is accessible at <https://www.epa.gov/castnet/castnet-bibliography>.

Butler, T.J., Vermeylen, F.M., Rury, M., Likens, G.E., Lee, B., Bowker, G.E., McCluney, L.	2011	Response of ozone and nitrate to stationary source NO _x emission reductions in the eastern USA	Atmsopheric Environment, 45:1084-1094
Jaffe, D.	2011	Relationship between surface and free tropospheric ozone in the western U.S.	Environmental Science & Technology, 45(2): 432-438
Nystrom, E.A., Burns, D.A. (USGS)	2011	TOPMODEL simulations of streamflow and depth to water table in Fishing Brook Watershed, NY, 2007-09	Scientific Investigations Report 2011-5190
Schwede, D., Zhang, L., Vet, R., Lear, G.	2011	An Intercomparison of the Deposition Models Used in the CASTNET and CAMPoN Networks	Atmospheric Environment, 45:1337-1346
Zhang, L., Jacob, D., Downey, N., Wood, D., Blewitt, D., Carouge, C., van Donkelaar, A., Jones, D., Murray, L., Wang, Y.	2011	Improved estimate of the policy-relevant background ozone in the United States using the GEOS-Chem global model with 1/2x2/3 horizontal resolution over North America	Atmos. Environ. 45, 6769-6776
Cooper, O.R., Gao, R., Tarasick, D., Leblanc, T. Sweeney, C.	2012	Long-term Ozone Trends at Rural Ozone Monitoring Sites Across the United States, 1990-2010	J. of Geophysical Research, 117, D22307
Emery, C., Jung, J., Downey, N., Johnson, J., Jimenez, M., Yarwood, G., Morris, R.	2012	Regional and global modeling estimates of policy relevant background ozone over the United States	Atmos. Environ. 47, 206-217
L. Zhang, D. J. et. al.	2012	Nitrogen deposition to the United States: distribution, sources, and processes	Atmos. Chem. Phys., 12, 4539-4554, 2012
Lin, M. et. al.	2012	Transport of Asian ozone pollution into surface air over the western United States in spring	J. of Geophysical Research, 117

Lin, M., Fiore, A., Cooper, O., Horowitz, L., Langford, A., Levy II, H., Johnson, B., Naik, V., Ottmans, S., Senff, C.	2012	Springtime high surface ozone events over the western United States: Quantifying the role of stratospheric intrusions	J. of Geophysical Res.: Atmospheres D21
Rasmussen, D.J., Fiore, A.M., Naik, V., Horowitz, L.W., McGinnis, S.J., Schultz, M.G.	2012	Surface ozone-temperature relationships in the eastern US	Atmospheric Environment, 47:142-153
Benedict, K. et al.	2013	Atmospheric concentrations and deposition of reactive nitrogen in Grand Teton National Park	J. of Geophysical Research: Atmospheres 118, 1-13
Doherty, R.M. et. al.	2013	Impacts of climate change on surface ozone and intercontinental ozone pollution: A multi-model study	J. of Geophysical Research: Atmospheres 118
Li, Y. et al.	2013	Observations of ammonia, nitric acid, and fine particles in a rural gas production region	Atmospheric Environment
Sickles, J.E., Shadwick, D.S.	2013	"Transference ratios" to predict total oxidized sulfur and nitrogen deposition - Part I, monitoring	Atmospheric Environment, 77:1060-1069
Sickles, J.E., Shadwick, D.S., Kilaru, J.V., Appel, K.W.	2013	"Transference ratios" to predict total oxidized sulfur and nitrogen deposition - Part II, modeling	Atmospheric Environment, 77:1070-1082
Eder, B., Bash, J., Foley, K., Pleim, J.	2014	Incorporating principal component analysis into air quality model evaluation	Atmospheric Environment, 82:307-315
Fiore, A.M., Oberman, J.T., Lin, M.Y., Zhang, L., Clifton, O.E., Jacob, D., Naik, V., Horowitz, L., Pinto, J., Milly, G.	2014	Estimating North American background ozone in the US surface air with two independent global models: Variability, uncertainties, and recommendations	Atmospheric Environment, 96:284-300
Gabriel, M., Knightes, C., Dennis, R., Cooter, E.	2014	Potential impact of Clean Air Act Regulations on Nitrogen Fate and Transport in the Neuse River Basin: A modeling investigation using CMAQ and SWAT	Environmental Modeling & Assessment

Gan, C.M., Pleim, J., Mathur, R., Hogrefe, C., Long, C.N., Xing, J., Roselle, S., Wei, C.	2014	Assessment of the effect of air pollution controls on trends in shortwave radiation over the United States from 1995 through 2010 from multiple observation networks	Atmsopheric Chemistry and Physics, 14:1701-1715
Goldberg, D.L. et. al.	2014	Higher surface ozone concentrations over the Chesapeake Bay than over the adjacent land: Observations and models from the Discover-AQ and CBODAQ campaigns	Atmsopheric Environment, 84:9-19
Homyak, P.M., Sickman, J.O., Miller, A.E., Melack, J.M., Meixner, T., Schimel, J.P.	2014	Assessing nitrogen-saturation in a seasonally dry chaparral watershed: Limitations of traditional indicators of N-saturation	Ecosystems, 17:1286-1305
Lei, H., Wang, J.X.,L.	2014	Sensitivities of NO _x transformation and the effects on surface ozone and nitrate	Atmos. Chemistry & Physics, 14:1385-1396
Rumsey, I.C. et. al.	2014	An assessment of the performance of the Monitor for AeRosols and Gases in ambient air (MARGA): A semi-continuous method for soluble compounds	Atmos. Chemistry & Physics, 14:5639-5658
Saylor, R.D., Wolfe, G.M., Meyers, T.P., Hicks, B.B.	2014	A corrected formulation of the Multilayer Model (MLM) for inferring gaseous dry deposition to vegetated surfaces	Atmospheric Environment, 92:141-145
Schwede, D.B., Lear, G.G.	2014	A novel hybrid approach for estimating total deposition in the United States	Atmospheric Environment, 92:207-220
Vet, R. et. al.	2014	A global assessement of precipitation chemistry and deposition of sulfur, nitrogen, sea salt, base cations, organic acids, acidity and pH, and phosphorus	Atmopsheric Environment, 93:3-100
Zhang, L., Jacob, D.J., Yue, X., Downey, N.V., Wood, D.A., Blewitt, D.	2014	Sources contributing to background surface ozone in the US Intermountain West	Atmos. Chemistry & Physics, 14:5295-5309

Christensen, J., Weiss-Penzais, P., Fine, R., McDade, C., Trzepla, K., Brown, S., Gustin, M.	2015	Unraveling the sources of ground-level ozone in the Intermountain Western United States using Pb isotopes	Science of the Total Environ.: 530-531, 519-525
Sickles II, J.E., Shadwick, D.S.	2015	Air quality and atmospheric deposition in the eastern US: 20 years of change	Atmos. Chemistry & Physics, 14:17943-17998
Strode, S., Rodriguez, J., Logan, J., Cooper, O., et.al.	2015	Trends and variability in surface ozone over the United States	J. of Geophysical Res: Atmospheres 120, 9020-9042
VanCuren, R., Gustin, M.S.	2015	Identification of sources contributing to PM2.5 and ozone at elevated sites in the Western US by receptor analysis: Lassen Volcanic National Park, CA and Great Basin National Park, NV	Science of the total Environment, 530-531: 505-518