

CASTNET Reference Listing: 2000-2005

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>.

Cooter, E.J., Schwede, D.B.	2000	Sensitivity of the National Oceanic and Atmospheric Administration multilayer model to instrument error & parameterization uncertainty	J. of Geophysical Research 105(D5): 6695-6707.
Finkelstein, P.L., Ellestad, T.G., Clark, J.F., Meyers, T.P., Schwede, D.B., Hebert, E.O., Neal, J.A	2000	Ozone and Sulfur Dioxide Dry Deposition to Forests: Observations and Model Evaluation	J. of Geophysical Research, 105(D12):15365-15377
Isil, S.S., Lavery, T.F., Baumgardner, R.E., Jr.	2000	Mountain Acid Deposition Program (MADPro): Cloud Deposition to the Appalachian Mountains, 1994-1999	NERL-LV-ESD-01-020 EPA/600/R-01/016
Lavery, T.F., Goss, R.S., Isil, S.S.	2000	Trends in Deposition of Acid Particles and Gases	Eleventh Joint Conference on the Application of Ai
Lawrence, G.B., Goolsby, D.A., Battaglin, W.A., Stensland, G.J.	2000	Atmospheric nitrogen in the Mississippi River Basin-emissions, deposition and transport	The Science of the Total Environment 248:87-100
Lawrence, G.B., Lovett, G.M., Baevsky, Y.H.	2000	Atmospheric Deposition and Watershed Nitrogen Export Along an Elevational Gradient in the Catskill M	Biogeochemistry, 50:21-43
Lovett, G.M., Traynor, M.M., Pouyat, R.V., Carreiro, M.M., Zhu, W., Baxter, J.W.	2000	Atmospheric Deposition to Oak Forests Along an Urban-Rural Gradient	Environmental Science & Technology, 34:4294-4300
Lovett, G.M., Weathers, K.C., Sobczak, W.V.	2000	Nitrogen Saturation and Retention in Forested Watersheds of the Catskill Mountains, NY	Ecological Applications, 10:73-84
Weathers, K.C., Lovett, G.M., Likens, G.E.	2000	Effects of Four Landscape Features on Atmospheric Deposition to Hunter Mountain, NY	Ecological Applications, 10:528-540

Zeller, K., Harrington, D., Riebau, A., Donev, E.	2000	Annual wet and dry deposition of sulfur and nitrogen in the snowy range, Wyoming	Atmospheric Environment 34:1703-1711
Ames, R.B., Malm, W.C.	2001	Comparison of sulfate and nitrate particle mass concentrations measured by IMPROVE and the CDN	Atmospheric Environment 35:905-916
Hicks, B.B., Meyers, T.P., Hosker, R.P., Artz, R.S.	2001	Climatological features of regional surface air quality from AIRMoN in the USA	Atmospheric Environment, 35:1053-1068
Schwede, D.B., LeDuc, S.K., Otte, T.L.	2001	Using meteorological model output as a surrogate for on-site observations to predict dep. velocity	Water, Air, & Soil Pollution: Focus, 1:59-66
Sistla, G., Civerolo, K., Hao, W., Rao, S.T.	2001	A comparison of Measured and Simulated Ozone Concentrations in the Rural Areas of the Eastern United States during summer 1995	J. of Air & Waste Management Assoc. 51:374-386
Baumgardner, R.E., Jr., Lavery, T.F., Rogers, C.M., Isil, S.S.	2002	Estimates of the Atmospheric Deposition of Sulfur and Nitrogen Species: CASTNET, 1990-2000	Environmental Science & Technology, 36:2614-2629
Fiore, A. M., Jacob, D.J., Bey, I., Yantosca, R.M., Field, B.D., Fusco A.C.	2002	Background ozone over the United States in the summer: Origin, trend and contribution to pollution episodes	J. Geophysical Research 107(D15), 4275
Kelly, V.R., Lovett, G.M., Weathers, K.C., Likens, G.E.	2002	Trends in atmospheric concentration and deposition compared to regional and local pollutant emissions at a rural site in southeastern New York, USA	Atmospheric Environment 36:1569-1575
Malm, W.C., Schichtel, B.A., Ames, R.B., Gebhart, K.A.	2002	A 10-year spatial and temporal trend of sulfate across the United States	J. Geophysical Research 107(D22), 4627
Peters, N.E., Meyers, T.P., Aulenbach, B.T.	2002	Status and trends in atmospheric deposition and emissions near Atlanta, Georgia, 1986-1999	Atmospheric Environment 36:1577-1588

Sheeder, S.A., Lynch, J.A., Grimm, J.	2002	Modeling atmospheric nitrogen deposition and transport in the Chesapeake Bay watershed	J. of Environmental Quality 31:1194-1206
Sickles II, J.E., Shadwick, D.S.	2002	Precision of atmospheric dry deposition data from the Clean Air Status and Trends Network	Atmospheric Environment 36:5671-5686
Sickles II, J.E., Shadwick, D.S.	2002	Biases in Clean Air Status and Trends Network filter pack results associated with sampling protocol	Atmospheric Environment 29:4687-4698
Smith, L.	2002	Analysis of commented vs. uncommented samples from the Clean Air Status and Trends Network (CASTNET)	Atmospheric Environment 36:1649-1653
Baumgardner, R.E., Jr., Isil, S.S., Lavery, T.F., Rogers, C.M., Mohnen, V.M.	2003	Estimates of Cloud Water Deposition at Mountain Acid Deposition Program (MADPro) Sites in the Appalachian Mountains	J. of Air & Waste Management Assoc. 53:291-308
Mueller, S.F.	2003	Seasonal Aerosol Sulfate Trends for selected regions of the United States. [Tennessee Valley Authori	J. of Air & Waste Management Ass. 53:168-184
Wu, Y., Brashers, B., Finkelstein, P.L, Pleim, J.E.	2003	A multilayer biochemical dry deposition model 2. Model Evaluation	J. of Geophysical Research, 108(D1), 4014
Wu, Y., Brashers, B., Finkelstein, P.L, Pleim, J.E.	2003	A multilayer biochemical dry deposition model 1. Model Formation	J. of Geophysical Research, 108(D1), 4013
Yu, S., Kasibhatla, P.S., Wright, D.L., Schwartz, S.E., McGraw, R., Deng, A.	2003	Moment-based Simulation of the Microphysical Properties of Sulfate Aerosols in the Eastern US	J. Geophysical Research 108:D124353
Holland D.M., Caragea, P., Smith, R.L.	2004	Regional trends in rural sulfur concentrations	Atmospheric Environment 38:1673-1684
Lavery, T.F., Goss, R.S., Fabrick, A.J., Rogers, C.M.	2004	Application of Micrometeorological Model to Simulate Long-Term Deposition of Atmospheric Gases and Aerosols	Air Pollution Modeling and Its Application XIV. Gr

Park, R. J., Jacob, D.J., Field, B.D., Yantosca, R.M., Chin, M.	2004	Natural and transboundary pollution influences on sulfate-nitrate-ammonium aerosols in the United States: Implications for policy	J. Geophysical Research 109:D15204, doi:10.1029/20
Shadwick, D.S., Sickles II, J.E.	2004	Sample size for seasonal mean concentration, deposition velocity and deposition: a re-sampling study	Atmospheric Environment 38:477-489
Butler, T.J., Likens, G.E., Vermeylen, F.M., Stunder, B.J.B.	2005	The impact of changing nitrogen oxide emissions on wet and dry nitrogen deposition in the northeastern USA	Atmospheric Environment 39:4851-4862
Dentener, F. et al.	2005	The Global Atmospheric Environment for the Next Generation	Environmental Science & Technology 40:3586-3594
Kelly, V.R., Lovett, G.M., Weathers, K.C., Likens, G.E.	2005	Trends in atmospheric ammonium concentrations in relation to atmospheric sulfate and local agriculture	Environmental Pollution 135:363-369
Uhart, M. et al.	2005	National Acid Precipitation Assessment Program Report to Congress: An Integrated Assessment	DOE/ER/62639-1
Vet, R., Lear, G., Narayan, J., Ro, C., Shaw, M.	2005	Sulfur and nitrogen deposition across eastern North America	2005 ESA Annual Meeting, Montreal, Canada
White, W.H., Ashbaugh, L.L., Hyslop, N.P., McDade, C.E.	2005	Estimating measurement uncertainty in an ambient sulfate trend	Atmospheric Environment 39:6857-6867