



## ***Air Resources Laboratory Publications – 2009***

### ***Book Chapters***

- Dommergue, A., C.P. Ferrari, M. Amyot, S. Brooks, F. Sprovieri, and A. Steffen. Chapter 10: Spatial coverage and temporal trends of atmospheric mercury measurements in polar regions. In *Mercury Fate and Transport in the Global Atmosphere, Emissions, Measurements and Models*. N. Pirrone and R. Mason, Eds., doi 10.1007/978-0-387-93958-2 10, 293-321. (2009).
- O'Neill, S.M., N.K. Larkin, J. Hoadley, G. Mills, J.K. Vaughan, **R.R. Draxler**, **G. Rolph**, M. Ruminiski, and S.A. Ferguson. Regional real-time smoke prediction systems. Chapter 22, A. Bytnerowicz, M. Arbaugh, A. Riebau and C. Anderson (eds.), *Developments in Environmental Science, Volume 8. Wildland Fires and Air Pollution*. Elsevier B.V., Oxford, UK, 499-534 (2009).

### ***Journal Articles***

- Angell, J.K.**, and **M. Free**. Ground-based observations of the slowdown in ozone decline and onset of ozone increase. *Journal of Geophysical Research*, 114, D07303, doi: 10.1029/2008JD010860 (2009).
- Castellanos, P., **W.T. Luke**, P. Kelley, J.W. Stehr, S.H. Ehrman, and R.R. Dickerson. Modification of a commercial cavity ring-down spectroscopy NO<sub>2</sub> detector for enhanced sensitivity. *Review of Scientific Instruments* 80, 113107, 6 pp. (2009).
- Chen, B., T.A. Black, N.C. Coops, P. Krishnan, R. Jassal, and C. Brummer. Seasonal controls on interannual variability in carbon dioxide exchange of a near-end-of rotation Douglas-Fir stand in the Pacific Northwest, 1997-2006. *Global Change Biology* 15(8):1962-1981 (2009).
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- Gaumont-Guay, D., T.A. Black, H. McCaughey, A.G. Barrs, P. Krishnan, R.S. Jassal, and Z. Nestic. Soil CO<sub>2</sub> efflux in contrasting boreal deciduous and coniferous stands and its contribution to the ecosystem carbon balance. *Global Change Biology* 15(5):1302-1319, doi: 10.1111/j.1365-2486.2008.01830x (2009).
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- Hong, J., M.Y. Leclere, T.A. Black, Z. Nestic, and P. Krishnan. A simple method of estimating scalar fluxes over forests. *Boundary Layer Meteorology* 132(3):401 (2009).
- Houborg, R., M.C. Anderson, J.M. Norman, T. Wilson, and **T. Meyers**. Intercomparison of a “bottom up” and “top down” modeling paradigm for estimating carbon and energy fluxes over a variety of vegetative regimes across the U.S. *Agricultural and Forest Meteorology* 149(11):1875-1895 (2009).
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### ***Technical Memos and Other Reports***

- Clawson, K.L., R.M. Eckman, R.C. Johnson, R.G. Carter, D. Finn, J.D. Rich, N.F. Hukari, T.W. Strong, S.A. Beard, and B.R. Reese.** Roadside Sound Barrier Tracer Study 2008. NOAA Technical Memorandum OAR ARL-260, NOAA Air Resources Laboratory, Field Research Division, Idaho Falls, ID, 212 pp. (2009)
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- Myles, L.** Measurement of sulfur dioxide, nitric acid, and ammonia with annular denuder systems and intercomparison with collocated techniques. NOAA Technical Memorandum OAR ARL-261, NOAA Air Resources Laboratory, Silver Spring, MD, 38 pp. (2009).