

## Journal Articles

DeWinter J.L. and Keith K. (2007) NASA DEVELOP students use EOS data to study air quality on the U.S.-Canadian border. *The Earth Observer*, 19 (5), 25-26.

## Meeting Presentations and Conference Proceedings

Brown S.G., McCarthy M.C., DeWinter J.L., Roberts P.T., Lee T., and Jeffrey L. Collett J. (2010) Characterization of aerosol at several near-roadway schools in Las Vegas, NV. Presented at the *2010 International Aerosol Conference, Helsinki, Finland, September 3, 2010* by Sonoma Technology, Inc., Petaluma, CA and Colorado State University, Fort Collins, CO (STI-3947).

Hafner H., O'Brien T.E., Brown S.G., and DeWinter J.L. (2010) Systat: Statistical visualization software. Presented to the Wyoming Department of Environmental Quality, Cheyenne, WY, by Sonoma Technology, Inc., Petaluma, CA, STI-910019-3946, August.

Roberts P.T., DeWinter J.L., and Brown S.G. (2010) Characterization of a year of near-road NO<sub>2</sub> measurements in Las Vegas, Nevada. Presented at the *National Air Quality Conferences, Raleigh, NC, March 15-18* (STI-3814).

MacDonald C.P., Craig K.J., DeWinter J.L., Pasch A.N., Tollstrup B., and Kennard A. (2010) Benefits of forecast-based residential wood burning bans on air pollution. Presented at the *National Air Quality Conferences, Raleigh, NC, March 15-18* (STI-3807).

DeWinter J.L., Brown S.G., O'Brien T.E., and Hafner H.R. (2010) Systat: statistical visualization software. *Lansing, MI, March 31-April 1* STI 908015-3834.

Roberts P.T., Brown S., DeWinter J., and McCarthy M. (2009) Near-roadway mobile-source air toxics (MSATs) exposures along U.S. 95 in Las Vegas, Nevada. Presented at the ORNL National Transportation Research Center, Oak Ridge, TN. STI 906034-3766, November.

Brown S.G., Roberts P.T., DeWinter J.L., Vaughn D.L., and McCarthy M.C. (2009) Characteristics of aerosol and MSATs at schools near U.S. 95 in Las Vegas, Nevada. Presented at the *Air and Waste Management Association's 102nd Annual Conference and Exhibition, Detroit, MI, June 16-19* (STI-3520).

Roberts P.T., Brown S.G., McCarthy M.C., DeWinter J.L., Landreneau J.V., and Vaughn D.L. (2009) Near-roadway pollutant exposures along U.S. 95 in Las Vegas, Nevada. Paper presented at the *US-Korea Conference (UKC2009) on science, technology and entrepreneurship, Raleigh, North Carolina, July 16-19* by Sonoma Technology, Inc., Petaluma, CA (STI-3625).

McCarthy M.C., Huang S.M., DeWinter J.L., and Hafner H.R. (2009) Measuring progress in air toxics using ambient data. Final report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-908303.02-3450-FR, January.

DeWinter J.L., Tisdale B.E., Ross A.L., Keith K.E., Hodges Petty E., Yates A.M., Tisdale M.D., Smith D., Lister J.L., Rainney D.C., Sarper M., Jackson D., Neil D.O., Kittaka C., Engel-Cox J.A., Hoff R.M., and Sykman J. (2007) Utilization of NASA Moderate Resolution Imaging Spectroradiometer (MODIS) derived Aerosol Optical Depth (AOD) for trends analysis over the United States-Canada border region. Prepared for the American Geophysical Union (AGU) Fall Meeting, San Francisco, CA.

Smith A.D., DeWinter J.L., Steve R., Congiu S., and Banker S. (2007) Utilizing remote sensing to analyze aerosols over Glacier National Park, Montana. Prepared for George Wright Society Biennial Conference Oral Session, St. Paul, MN.

DeWinter J.L., Hollembeak E.M., Doughty D.C., III, Linton K.M., Bell D.D., Milby M.C., and Richards A.L. (2007) Calculating shortwave direct beam with near real-time NASA satellite products to determine optimal placement of solar energy resources. Poster prepared for the National Conference on Undergraduate Research, Dominican University of California, San Rafael, CA.

Hollembeak E.M., DeWinter J.L., Linton K.M., Doughty D.C., III, Bell D.D., and Milby M.C. (2006) Energy management: renewable energy technologies. Poster prepared for Sigma Xi Student Research Conference, Christopher Newport University, Newport News, VA.

### **Formal Reports**

Roberts P.T., McCarthy M., and DeWinter J. (2010) Mitigation strategies for reducing motor-vehicle pollutants near existing roadways: a review of the literature. Final report prepared for Health Canada, Healthy Environments and Consumer Safety Branch, Air Health Assessment Section, Ottawa, ON, by Sonoma Technology, Inc., Petaluma, CA, STI-910006-3845-FR, June 18.

Alcorn S.H. and DeWinter J.L. (2010) BAAQMD DMS user documentation. User's guide prepared for the Bay Area Air Quality Management District by Sonoma Technology, Inc., Petaluma, CA, STI-909026-3863-UG, June.

Roberts P.T., Brown S.G., McCarthy M.C., DeWinter J.L., and Vaughn D.L. (2010) Mobile source air toxics (MSATs) at three schools next to U.S. 95 in Las Vegas, Nevada. Prepared for the Nevada Department of Transportation, Las Vegas, NV, by Sonoma Technology, Inc., Petaluma, CA, STI-906034-3509-FR2, May.

U.S. Environmental Protection Agency (2010) Our nation's air: status and trends through 2008. Prepared by the Office of Air Quality Planning and Standards, Research Triangle Park, NC, EPA-454/R-09-002, February. Available on the Internet at <http://www.epa.gov/airtrends/2010/report/fullreport.pdf>.

DeWinter J.L., McCarthy M.C., Brown S.G., Shiffrin J.P., and Hafner H.R. (2009) Atmospheric nitrogen deposition on Wampanoag tribal lands. Draft final report prepared for the Wampanoag Tribe of Gay Head (Aquinnah), Aquinnah, MA, prepared by Sonoma Technology, Inc., Petaluma, CA, STI-909015-3706-DFR, September.

DeWinter J.L., Brown S.G., McCarthy M.C., Shiffrin J.P., and Hafner H.R. (2009) Fine particle pollution and atmospheric deposition on Wampanoag Tribal lands. Webinar prepared for the Wampanoag Tribe of Gay Head (Aquinnah), Aquinnah, MA, by Sonoma Technology, Inc., Petaluma, CA, STI-909015-3693, September.

MacDonald C.P., Craig K.J., DeWinter J.L., Pasch A.N., Brown S.G., and Wheeler N.J.M. (2009) Evaluation of Sacramento Metropolitan Air Quality Management District's Check Before You Burn Program. Final report prepared for the Sacramento Metropolitan Air Quality Management District, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-909014.06-3612-FR2, August.

Penfold B.M. and DeWinter J.L. (2009) GIS training. Prepared for the Salt River Pima-Maricopa Indian Community, Scottsdale, AZ, by Sonoma Technology, Inc., Petaluma, CA, STI-908057-3679, August.

Lockheed Martin (2009) Deliverable No. 5.6.3, Evaluation of indoor/outdoor data for infiltration and filtration efficiency, version 1.0. . Summary report, plots, and data files prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Jennifer L. DeWinter, Steven G. Brown, and Paul T. Roberts at Sonoma Technology, Inc., Petaluma, CA, and Lockheed Martin, Arlington, VA, STI-908077-3649, 13-NERL-RPT-0058, June.

McCarthy M.C., Huang S.M., DeWinter J.L., and Hafner H.R. (2009) Measuring progress in air toxics using ambient data. Final report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-908303.02-3450-FR, January.

U.S. Environmental Protection Agency (2008) National air quality status and trends through 2007. Prepared by the Office of Air Quality Planning and Standards, Air Quality Assessment Division, Research Triangle Park, NC, EPA-454/R-08-006, November. Available on the Internet at <http://www.epa.gov/airtrends/2008/report/TrendsReportfull.pdf>.

McCarthy M.C., DeWinter J., and Hafner H.R. (2008) Toxics indicator development - progress report. Technical memorandum prepared for Eastern Research Group, Lexington, MA by Sonoma Technology, Petaluma, CA, STI-908401.03-3486, October.