

Journal Articles

Pasch A.N., MacDonald C.P., Gilliam R.C., Knoderer C.A., and Roberts P.T. (2011) Meteorological characteristics associated with PM_{2.5} air pollution in Cleveland, Ohio, during the 2009-2010 Cleveland Multiple Air Pollutants Study. *Atmos. Environ.* **45**, 7026-7035 (STI-909032-3910). doi: 10.1016/j.atmosenv.2011.09.065. Available on the Internet at <http://www.sciencedirect.com/science/article/pii/S1352231011010284>.

Meeting Presentations and Conference Proceedings

- Hafner H.R., Pasch A.N., and Vaughn D.L. (2011) EPA's near-road NO₂ pilot study: aiding states in selecting monitoring sites to meet new NAAQS requirements. Presented for the U.S. Environmental Protection Agency Region 9's Children's Health Month, San Francisco, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-4215, October 13.
- Pasch A.N. and Miller D.S. (2011) Preliminary ozone forecast guidance. Presentation prepared for Andy Roth of the Regional Air Pollution Control Agency (RAPCA), *Dayton, Ohio, May 17* (STI-911017-4129).
- MacDonald C.P., Pasch A.N., Gilliam R., Knoderer C.A., Roberts P.T., and Norris G. (2011) Use of a radar wind profiler and sodar to characterize PM_{2.5} air pollution in Cleveland, Ohio. Presented at the *National Air Quality Conferences, San Diego, California, March 7–10* by Sonoma Technology, Inc., Petaluma, CA, and the U.S. Environmental Protection Agency, Research Triangle Park, NC (STI-4070).
- Jackson S.A., Zahn P.H., MacDonald C.P., Pasch A.N., Chan A.C., Dye T.S., and White J.E. (2011) Techniques for improving air quality maps with data fusion. Presented at the *American Meteorological Society Annual Meeting, 13th Conference on Atmospheric Chemistry, Seattle, WA, January 26*.
- 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).
- Hafner H., Alrick D., Huang S.M., and Pasch A. (2010) The importance of meteorological data in exceptional events analysis. Presented at the *National Air Quality Conferences, Raleigh, NC, March 15-18* (STI-3801).
- Chan A., Dye T.S., Pasch A.N., White J.E., Dickerson P.G., and Jackson S.A. (2009) AIRNow data transfer standards. Presented at the *National Ambient Air Monitoring Conference, Nashville, TN, November 2-5*, by Sonoma Technology, Inc., Petaluma, CA (STI-620000-3712).
- Miller D.S., Pasch A.N., Chan A.C., and Dye T.S. (2009) Real-time PM_{2.5} reporting. Presented at the *National Air Quality Conference, Dallas, TX, March 3*, by Sonoma Technology, Inc., Petaluma, CA (STI-3549).
- Miller D.S., MacDonald C.P., Pasch A.N., and Zahn P.H. (2009) Fundamentals of air quality forecasting: PM_{2.5} focus. Presented at the *National Air Quality Conference Forecaster's Training, Dallas, TX, March 2*, by Sonoma Technology, Inc., Petaluma, CA (STI-905501-3580).

Formal Reports

Pasch A.N., Hafner H.R., Vaughn D.L., and O'Brien T.E. (2011) Summary of results from near-road NO₂ monitoring pilot study. Draft final report 2 prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc., Petaluma, CA, STI-910214-4211-DR2, November 30.

- Pasch A.N., Hafner H.R., Ray A.E., and Roberts P.T. (2011) Data validation procedures for NCore trace-level measurements. Draft report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc., Petaluma, CA, STI-910212-3993-DR3, September 30.
- Alrick D.M., Miller D.S., Chan A.C., and Pasch A.N. (2011) Selection of forecast areas to prototype improved forecast methods for the AIRNow satellite data processor. Technical memorandum prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc., Petaluma, CA, STI-910299-4179-TM, August 5.
- McCarthy M.C., Brown S.G., and Pasch A.N. (2011) Receptor modeling of pollutant concentrations in the Athabasca Oil Sands Region snow pack. Final report prepared for the Clean Energy Branch, Alberta Environment, Edmonton, Alberta, Canada by Sonoma Technology, Inc., Petaluma, CA, 911012-4121-FR, July 26.
- Pasch A.N., Craig K.J., Bai S., and Eisinger D.S. (2011) AERMOD particulate matter hot-spot analyses: simple highway project example. Report prepared for the California Department of Transportation, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-909106-4125, June 28.
- Bai S., Craig K.J., Pasch A.N., Eisinger D.S., and Niemeier D. (2011) Quantitative particulate matter hot-spot analysis guidance, version 2. Report prepared for California Department of Transportation, Sacramento, CA by Sonoma Technology, Inc., Petaluma, CA, and U.C. Davis Department of Civil and Environmental Engineering, Davis, CA, STI-909106-4110, June 28.
- Pasch A.N., Hafner H.R., Ray, A.E., and Roberts, P.T. (2011) Data validation procedures for NCore trace-level measurements. Draft report prepared for David Shelow, U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc., Petaluma, CA, STI-910118-3993-DR, May 31.
- Hafner H., Vaughn D.L., and Pasch A.N. (2011) Quality assurance project plan: use of passive sampling devices (PSDs) in a near-road monitoring environment. Quality assurance project plan prepared for the Ambient Air Monitoring Group, Air Quality Assessment Division, Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-910214-4060-QAPP, April. Available on the Internet at <http://www.epa.gov/ttn/amtic/files/nearroad/20110428qapp.pdf>.
- Pasch A.N., Haderman M.D., MacDonald C.P., and Dye T.S. (2010) Key elements for the development of the AIRNow satellite data processor system: a software development guide. Prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc., Petaluma, CA, STI-910109-3981, October.
- Knoderer C., MacDonald C., and Pasch A. (2010) Summary of data quality control of data collected by a 915-MHz RWP, RASS, miniSodar, and surface meteorological station in Cleveland, Ohio. Technical memorandum prepared for Alion Science and Technology, Durham, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-909032-3741-TM-Revised, January.
- MacDonald C.P., Craig K.J., Pasch A.N., Pollard E.K., Wheeler N.J.M., and Reid S.B. (2009) Contributors to Sacramento County wood smoke primary PM_{2.5}. Final report prepared for the Sacramento Metropolitan Air Quality Management District, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-909014.06-3676-FR2, September.
- Funk T.H., Penfold B.M., Pasch A.N., MacDonald C.P., and Stone J.M. (2009) Ambient air quality monitoring network assessment for the San Joaquin Valley. Final report prepared for the San Joaquin Valley Unified Air Pollution Control District by Sonoma Technology, Inc., Petaluma, CA, STI-908072.04-3643-FR, July.

Sonoma Technology, Inc. (2009) Standard operating procedures for operating a radar wind profiler, mini-sodar, and meteorological tower, version 1.1. STI-909032-3652, June.

Pasch A.N. and Miller D.S. (2009) Regional Air Pollution Control Agency PM_{2.5} forecasting tool development database contents. Database documentation prepared for Public Health Dayton and Montgomery County, Regional Air Pollution Control Agency, Dayton, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-908048.06-3642, June.

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.

Miller D.S. and Pasch A.N. (2009) RAPCA PM_{2.5} forecasting training. Training course prepared for the Regional Air Pollution Control Agency, Dayton, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-908048.05-3595, March.

Software

Pasch A.N. and Miller D.S. (2011) AIRNow-I AQCSV format specifications document version 3.0. Software specifications by Sonoma Technology, Inc., Petaluma, CA, STI-910201-3492, August.