

Meeting Presentations and Conference Proceedings

- Strand T., Larkin N.K., O'Neill S.M., Raffuse S., Solomon R., Sullivan D.C., and Pryden D.A. (2008) The BlueSky smoke modeling framework. Poster presented at the American Geophysical Union, Fall Meeting, San Francisco, CA, December 15-19.
- Sullivan D.C., Raffuse S.M., Pryden D.A., Craig K.J., Reid S.B., Wheeler N.J.M., Chinkin L.R., Larkin N.K., Solomon R., and Strand T. (2008) Development and applications of systems for modeling emissions and smoke from fires: the BlueSky smoke modeling framework and SMARTFIRE. Paper presented at the 17th International Emissions Inventory Conference, Portland, OR, June 5, by Sonoma Technology, Inc., Petaluma, CA, and the U.S. Forest Service, Seattle, WA (STI-3378).
- Raffuse S.M., Sullivan D.C., Chinkin L.R., Pryden D.A., Wheeler N.J.M., Larkin N.K., Solomon R., and Soja A. (2007) Integration and reconciliation of satellite-detected and incident command-reported wildfire information in the BlueSky smoke modeling framework. Presented at the 6th Annual CMAS Conference, Chapel Hill, NC, October 1-3, by Sonoma Technology, Inc., Petaluma, CA, the U.S. Forest Service AirFire Team, Seattle, WA, and the National Institute of Aerospace, Hampton, VA (STI-3227).

Formal Reports

- Raffuse S.M., Pryden D.A., Sullivan D.C., Larkin N.K., Strand T., and Solomon R. (2009) SMARTFIRE algorithm description. Paper prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, and the U.S. Forest Service, AirFire Team, Pacific Northwest Research Laboratory, Seattle, WA STI-905517-3719, October.
- Larkin N.K., Raffuse S.M., Pryden D.A., Healy A.N., Unger K.D., Strand T.M., and Solomon R. (2009) Conversion of the BlueSky Framework into collaborative web service architecture and creation of a smoke modeling application. Final report prepared for the Joint Fire Science Program, September 30.
- Dye T.S., Chan A.C., Gray E.A., Reed J.E., and Pryden D.A. (2008) AIRNow-International (AIRNow-I) draft specifications document. Software specifications prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-905403.06-3282, May.
- Pryden D.A., Gray E.A., and Ovard C.D. (2005) AIRNow/AirQuest web service documentation. Software documentation prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc., Petaluma, CA, STI-905101.02-2829-SD, September.
- Ludewig S.A., Dye T.S., Gray E.A., and Pryden D.A. (2003) Functional design specification document for the AirShare web site. Prepared for Sacramento Metropolitan Air Quality Management District, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-903680-2445-DSD, November.

Selected Software Developed

- Pryden D.A. (2009) AQI.dll, ConvertAQIGrid.exe, ConvertAQIPoints.exe, MakeGrid.exe, MakeNetCDF.exe, MakeShape.exe, ShapeToKML.exe, and TransformXML.exe for AIRNow Information Management System (IMS). Prepared for U.S. EPA (STI-905503).
- Reed J.E. and Pryden D.A. (2009) BlendRaster.exe, ConstructMap.exe, Dispatcher.dll: AIRNow Dispatcher distributed scheduling service, ExportCSV.exe, Interpolate.exe, and MakePolygons.exe for AIRNow IMS. Prepared for U.S. EPA (STI-905503).
- Gray E.A. and Pryden D.A. (2009) DispatcherDAL.dll for AIRNow IMS. Prepared for U.S. EPA (STI-905503).

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Larkin N.K., Pryden D.A., Solomon R., Root M., Hourihan J., Rosenthal S., Strand T., Raffuse S.M., Reed J.E., Gray E.A., Craig K., et al (2008) BlueSky Framework version 3.0. Joint project of USDA Forest Service AirFire Team, Sonoma Technology, Inc, and Tweak, Inc., prepared for NASA Applied Sciences Division (STI-905028) www.getbluesky.org/framework.cfm.

Pryden D.A. and Raffuse S.M. (2007) SMARTFIRE: Satellite Mapping Automated Reanalysis Tool for Fire Incident Reconciliation. Prepared for NASA Applied Sciences Division (STI-905028) www.getbluesky.org/smartfire.

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Ludewig S.A., Haderman M.D., Pryden D.A. and Healy A.N. (2008) AIRNowTech Website. Prepared for the EPA (STI-905406) www.airnowtech.org.

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