

## Book Chapter

Haderman M.D., Pasch A.N., Dye T.S., Chan A.C., Miller D.S., White J.E., and Dickerson P.G. (2014) A real-time data product creation and distribution system: bringing big data's benefit to the public. Ch. 16 in *New Trends in Earth-Science Outreach and Engagement*, J.L. Drake, Y.Y. Kontar, and G.S. Rife eds., Springer Science+Business Media B.V., Dordrecht, Netherlands. STI-5579.

## Journal Articles

McKeen S., Wilczak J., Grell G., Djalalova I., Peckham S., Hsie E.-Y., Gong W., Bouchet V., Menard S., Moffett R., McHenry J., McQueen J., Tang Y., Carmichael G., Pagowski M., Chan A.C., Dye T.S., Frost G., Lee P., and Mathur R. (2005) Assessment of an ensemble of seven real-time ozone forecasts over eastern North America during the summer of 2004. *Journal of Geophysical Research*, 110(D21307).

Chan A.C., Colucci S.J., and DeGaetano A.T. (2004) Predicting East Coast winter storminess [Papers of Note]. *Bull. Am. Meteorol. Soc.* 85(1), 33-34.

Chan A.C., Colucci S.J., and DeGaetano A.T. (2003) Predicting east coast winter storm frequencies from midtropospheric geopotential height patterns. *Weather and Forecasting*, 18(6), 1177-1191.

Key J. and Chan A.C. (1999) Multidecadal global and regional trends in 1000mb and 500mb cyclone frequencies. *Geophys. Res. Lett.* 26(14), 2053-2056.

## Meeting Presentations and Conference Proceedings

Mukherjee A., Pavlovic N., Cavallaro A., Lurmann F., DeWinter J., and King D. (2022) Evaluation of a novel approach to estimate PM2.5 concentrations at high spatial resolution during smoke episodes by fusing low-cost sensor and reference monitor observations with chemical transport model forecasts. Poster presented at the *American Geophysical Union (AGU) Conference, Chicago, IL, December 12-16*, by Sonoma Technology, Petaluma, CA. STI-7772.

Pavlovic N.R., Dickerson P.G., White J.E., Appoh E., Terry S., Hagler G., Kaufman A., Chan A., DeWinter J.L., Stanton L., and Brown S.G. (2018) U.S. EPA's AirNow international air sensor applications and initiatives in Accra, Ghana. Presented at the American Geophysical Union, Fall Meeting by Sonoma Technology, Inc., Petaluma, CA.

Chan A.C., Stanton L.G., Dickerson P., White J., and Morales L. (2018) U.S. EPA's AirNow International air sensor applications and initiatives in Accra, Ghana. Presented at the *2018 Better Air Quality Conference, International Action and Cooperation on Air Pollution Management, Kuching, Malaysia, November 12-16*, by Sonoma Technology, Inc., Petaluma, CA, and U.S. Environmental Protection Agency, Research Triangle Park, NC. STI-6930.

Chan A.C., Stanton L.G., and Hafner H.R. (2018) Planning your sensor deployment: practical guidance. Presented at the *2018 Better Air Quality Conference, International Action and Cooperation on Air Pollution Management, Kuching, Malaysia, November 12-16*, by Sonoma Technology, Inc., Petaluma, CA. STI-6929.

- Pavlovic N. and Chan A. (2018) Introduction to large-scale air quality data analysis with R and openair. Presented at the *2018 Better Air Quality Conference, Kuching, Malaysia, November 13*, by Sonoma Technology, Inc., Petaluma, CA. STI-915400-7022.
- Pavlovic N. and Chan A. (2018) Data analysis with R for an air quality case study: hands-on exercise. Presented at the *2018 Better Air Quality Conference, Kuching, Malaysia, November 13*, by Sonoma Technology, Inc., Petaluma, CA. STI-915400-7022.
- White J.E., Appoh E., Terry S., Hagler G., Kaufman A., DeWinter J.L., Stanton L.G., and Chan A.C. (2018) U.S. EPA's AirNow International air sensor applications and initiatives in Accra, Ghana. Poster presented at the *UC Davis Air Sensors International Conference, Oakland, CA, September*, by Sonoma Technology, Inc., Petaluma, CA. STI-6913.
- Hafner H. and Chan A. (2018) Data quality, validation, and data interpretation. Presented to Shakti Sustainable Energy Foundation, New Delhi, India, by Sonoma Technology, Inc., Petaluma, CA, STI-917067-7041, July 26.
- Zahn P., Chan A., and MacDonald C. (2018) Air quality forecasting for the Sacramento region. Presented to the Sacramento Metropolitan Air Quality Management District, April 24, by Sonoma Technology, Inc., Petaluma, CA. STI-916076-6910.
- Chan A., Morales L., Dickerson P., and White J.E. (2018) Data sharing platform and public communication: U.S. EPA's AirNow International program. Presented at the Air Quality Assessments for Health and Environment Policies: Data for Policy Action meeting, United Nations Conference Center, Bangkok, Thailand, March 23, by Sonoma Technology, Inc., Petaluma, CA, and the U.S. EPA Office of Air Quality Planning and Standards, Research Triangle Park, NC. STI-6995.
- Chan A., Hylton M., and Haderman M. (2018) New AirNow-Tech features and demonstration. Presentation given at the *National Air Quality Conference, Austin, TX, January 25*, by Sonoma Technology, Inc., Petaluma, CA. STI-6766.
- Hafner H., Lavezzo T., and Chan A. (2018) Kids Making Sense. Presented at the *National Air Quality Conference, Austin, TX, January 25*, by Sonoma Technology, Inc., Petaluma, CA. STI-6767.
- Lavezzo T.L. and Chan A.C. (2017) Air quality and air sensing. Presented at the Santa Rosa French-American Charter School, Santa Rosa, CA, March 16. STI-517300-6692.
- White J.E., Dickerson P.G., and Chan A.C. (2016) Tools and features of the new AirNow-International System and U.S. Embassy/EPA Monitoring Program. Presented at the *Better Air Quality Conference, Busan, South Korea, September 1*. STI-6579.
- Dye T., Stanton L., MacDonald C., Smith K., Roberts P., Graham A., Dillon M., and Chan A. (2016) Results and lessons learned from using low-cost PM sensors to detect ambient PM<sub>2.5</sub> and PM<sub>10</sub>. Presented at the *Better Air Quality Conference, Busan, South Korea, September 1*, by Sonoma Technology, Inc., Petaluma, CA. STI-6525.
- White J.E., Morales L., and Chan A.C. (2016) International applications of the AirNow system. Presented at the *Better Air Quality Conference, Busan, South Korea, August 29*. STI-6754.
- Dye T., Chan A., and Morales L. (2016) Introduction to Kids Making Sense. Presented at the *Better Air Quality Conference AirNow Community Pre-Event, Busan, South Korea, August 29*. STI-6572.

- Hylton M., Graham A., and Chan A. (2016) Statistical forecast tools for Dayton, Ohio. Presented to the Regional Air Pollution Control Agency, Dayton, OH, March 30, by Sonoma Technology, Inc., Petaluma, CA. STI-915044-6474.
- Chan A.C. and Dye T.S. (2016) Making sense of Kids Making Sense, a STEM-based air quality program. Presented at the *National Association of Clean Air Agencies 2016 Communicating Air Quality Conference Chicago, IL, March 15-17*. STI-6435.
- Chan A.C. and White J.E. (2016) Upcoming changes and enhancements to the U.S. EPA's AirNow program. Presentation given at the *National Association of Clean Air Agencies 2016 Communicating Air Quality Conference, Chicago, IL, March 15*, by Sonoma Technology, Inc., Petaluma, CA, and the U.S. Environmental Protection Agency, Research Triangle Park, NC. STI-915200-6433.
- Chan A.C. (2016) U.S. EPA AirNow program and air quality management perspectives. Presented at the *U.S. Trade and Development Agency's Technical Assistance for China Air Quality Management Program workshop, Nanjing, China, March 3-4*. STI-915202-6461.
- Hylton M., Zahn P., and Chan A. (2016) 2015 Spare The Air end-of-season report. Presented to the Air Districts of the Sacramento Region, Sacramento, CA, January 27, by Sonoma Technology, Inc., Petaluma, CA. STI-914072-6425.
- Dye T. and Chan A. (2015) Kids Making Sense. Presentation given at the *AGU Fall Meeting, San Francisco, CA, December 18*, by Sonoma Technology, Inc., Petaluma, CA. STI-6328.
- Ekstrand A.L., Haderman M.D., Chan A.C., Dye T.S., White J.E., and Parajon G. (2015) WebDMS: a real-time environmental data management system. Poster presented at the *2015 AGU Fall Meeting, San Francisco, CA, December 14*, Sonoma Technology, Inc., Petaluma, CA, and the U.S. Environmental Protection Agency, Research Triangle Park, NC. STI-6335.
- Dye T.S. and Chan A.C. (2015) Kids Making Sense. Presented at the *National Association of Clean Air Agencies Fall Membership Meeting, New Orleans, LA, October 4-7*. STI-6363.
- Dye T.S. and Chan A.C. (2015) Kids Making Sense - introduction to particle pollution. Presented at the Kids Making Sense Teacher's Training, Taipei, Taiwan, April 18. STI-915102-6247.
- Dye T.S. and Chan A.C. (2015) Kids Making Sense. Presented at the Kids Making Sense Teacher's Training, Taipei, Taiwan, April 18. STI-915102-6246.
- Chan A.C. (2015) AirNow-International activities in Taiwan. Presented at the *Air & Waste Management Association's 108th Annual Conference, Raleigh, NC, June 25*, by Sonoma Technology, Inc., Petaluma, CA. STI-915102-6306.
- Dye T.S. and Chan A.C. (2015) Air quality outreach to create awareness: background, approaches, and examples. Presented to the Shakti Sustainable Energy Foundation, New Delhi, India, April. STI-915021-6248.
- Dye T.S. and Chan A.C. (2014) Applications of lower-cost sensors for air quality monitoring. Presented at the *Better Air Quality Conference, Colombo, Sri Lanka, November 20, 2014*, by Sonoma Technology, Inc., Petaluma, CA. STI-6006.

- Dickerson P., Dye T., and Chan A. (2014) AirNow: communicating air quality in real time. Presented at the *Better Air Quality Conference, Colombo, Sri Lanka, November 19*, by the U.S. Environmental Protection Agency, Research Triangle Park, NC. STI-6166.
- Dickerson P., Dye T., and Chan A. (2013) Improving EPA's air quality index maps with NASA satellite data. Presented to the Environmental Protection Administration, Executive Yuan, Taiwan, December 14-15, by the U.S. Environmental Protection Agency, Research Triangle Park, NC, and Sonoma Technology, Inc., Petaluma, CA. STI-910502-5848.
- Dickerson P., Dye T., and Chan A. (2013) AirNow-Tech. Presented to the Environmental Protection Administration, Executive Yuan, Taiwan, December 12-13, by the U.S. Environmental Protection Agency, Research Triangle Park, NC, and Sonoma Technology, Inc., Petaluma, CA. STI-910502-5847.
- Dickerson P., Dye T., and Chan A. (2013) Air quality forecasting. Presented to Environmental Protection Administration, Executive Yuan, Taiwan, December 12-13, 2013, by the U.S. Environmental Protection Agency, Research Triangle Park, NC, and Sonoma Technology, Inc., Petaluma, CA. STI-910502-5849.
- Dickerson P., Dye T., and Chan A. (2013) Future activities for AirNow-International. Presented to Environmental Protection Administration, Executive Yuan, Taiwan, December 12-13, 2013, by the U.S. Environmental Protection Agency, Research Triangle Park, NC, and Sonoma Technology, Inc., Petaluma, CA. STI-910502-5851.
- Chan A. (2013) Data Management System 系统概观. Presented at 浙江省环境监测中心, Hangzhou, Zhejiang Province, China, November 6, by Sonoma Technology, Inc., Petaluma, CA. STI-5895.
- Wheeler N.J.M. and Chan A.C. (2013) Introduction to numerical air quality prediction systems. Presented at the Environmental Monitoring Center of Ningbo, Ningbo, Zhejiang, China, January 21-25, by Sonoma Technology, Inc., Petaluma, CA. STI-912061-5578.
- Dickerson P., Fu J., Chan A.C., and Dye T.S. (2012) AirNow Program and Air Quality Management. Presented at the *Better Air Quality Conference, Hong Kong, China, December 5*. STI-5376.
- Haderman M.D., Dye T.S., White J.E., Dickerson P., Pasch A.N., DeWinter J.L., Miller D.S., and Chan A.C. (2012) AirNow Information Management System (IMS). Poster presented at the *AGU Fall Meeting, San Francisco, CA, December 3-7*. STI-5441.
- Dye T.S., Chan A.C., Ludewig S.A., Beach C.M., Haderman M.D., Healy A.N., Ray A.E., and Gray E.A. (2012) Overview of State Department's air quality monitoring, data management, and public reporting system project. Presented at the United States Embassy in Beijing, December 3, by Sonoma Technology, Inc., Petaluma, CA. STI-5556.
- Zahn P.H. and Chan A.C. (2012) Transboundary pollution in the United States and internationally. Presented at *Summit on Sustainability and the Environment, Columbus, OH, October 3*, by Sonoma Technology, Inc., Petaluma, CA. STI-5447.
- Miller D., Gordon B., LaGuardia N., MacDonald C., and Chan A. (2012) São Paulo, Brazil, ozone tool. Webinar presented to Companhia de Tecnologia de Saneamento Ambiental, São Paulo, Brazil, August 8, by Sonoma Technology, Inc., Petaluma, CA. STI-910303-5395.

- Chan A.C., Dye T.S., Evarts D., and Jang C. (2012) Regional air quality management: U.S. AirNow perspectives. Presented at the *2nd Sino-U.S. Regional and Urban Air Quality Management Conference, Shanghai, China, June 19-20* (STI-910301-5397).
- Ludewig S., Weinstock L., Hanley T., Chan A.C., West J., Miller D., and Gray E. (2012) AirNow-Tech: What's New in Version 2? Presented at the *National Ambient Air Monitoring Conference, Denver, Colorado, May 17*, by Sonoma Technology, Inc., Petaluma, CA, and the U.S. Environmental Protection Agency, Research Triangle Park, NC. STI-4354.
- Dye T.S., Roberts P.T., Chan A.C., and Alrick D.M. (2012) Low-cost sensing by citizens and community groups: current status and opportunities. Presented at the *National Air Quality Conference–Ambient Monitoring 2012, Denver, CO, May 14-17*, by Sonoma Technology, Inc., Petaluma, CA. STI-5354.
- Chan A.C., LaGuardia N.M., and Weinstock L. (2012) AQCSV and what it means to you. Presented at the *National Ambient Air Monitoring Conference, Denver, CO, May 14-17*, by Sonoma Technology, Petaluma, CA, and U.S. Environmental Protection Agency, Research Triangle Park, NC. STI-4355.
- Chan A.C., LaGuardia N.M., Gordon B.J., and Zahn P.H. (2012) Review of the 2011 Summer Smog Season in Columbus, Ohio. Presented at the MORPC Board Meeting, Columbus, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-911037-5325, March 8.
- Dye T.S., Roberts P.T., Chan A.C., and Alrick D.M. (2011) Low-cost sensing by citizens and community groups: current status and opportunities. Presented to the U.S. Environmental Protection Agency, Office of Research and Development, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-910216-4278, November 10.
- Chan A.C., Gordon B.J., and LaGuardia N.M. (2011) Review of the 2011 summer ozone season: air quality forecasting for Columbus, OH. Presented to the Mid-Ohio Regional Planning Commission, Columbus, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-911037-4251, October 24.
- Dye T.S., Chan A.C., and Alrick D.M. (2011) Community groups/tribal air quality needs and how AIRNow can help: a report from EPA project EP-D-09-097. Presented to the U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, October, by Sonoma Technology, Inc., Petaluma, CA. STI-910216-4227.
- Dye T.S., Roberts P.T., Chan A.C., and Alrick D.M. (2011) Low-cost sensing by citizens and community groups – current status and opportunities. Presented to the U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, October, by Sonoma Technology, Inc., Petaluma, CA. STI-910216-4223.
- Dye T.S., Dickerson P.G., White J.E., and Chan A.C. (2011) AIRNow's future: success through collaboration. Presented at *AMS Summer Community Meeting, Boulder, CO, August 8*, by Sonoma Technology, Inc., Petaluma, CA. STI-4176.
- Chan A.C., Dye T.S., White J.E., Dickerson P.G., Evarts D., and Fu J.Q. (2011) AIRNow-International Shanghai Implementation for Air Quality Management. Presented at the *Mainland China-Taiwan-Pacific Rim Conference on Climate and Air Quality, Waikoloa, Hawaii, March 16*, by Sonoma Technology, Inc., Petaluma, CA; the U.S. Environmental Protection Agency, Research Triangle Park, NC; and the Shanghai Environmental Monitoring Center, Shanghai, China. STI-4011.

- Chan A.C. and LaGuardia N.M. (2011) AIRNow and AIRNow-Tech. Presented at the *Training Course to Improve and Protect Air Quality in Indian Country, Las Vegas, NV, January 27*, by Sonoma Technology, Inc., Petaluma, CA. STI-910201-4084.
- 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*. STI-3936.
- Miller D.S., Chan A.C., and MacDonald C.P. (2011) 2010 Ozone forecasting and outreach end of season report. Presentation made to the Air Districts of the Sacramento Region Air Pollution Control Officers Meeting, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-909004-4058, January 26.
- Jackson S., Chan A.C., and Shell N.M. (2010) AIRNow and AIRNow-Tech. Presented to the *California Air Response Planning Alliance (CARPA) Training Summit 2010, Sacramento, CA, December 14*, by the U.S. Environmental Protection Agency, Research Triangle Park, NC, and Sonoma Technology, Petaluma, CA. STI-910201-4038.
- Chan A.C. and Dickerson P.G. (2010) Overview and history of AIRNow-International. Presented at the *2010 Better Air Quality AIRNow-I Pre-Event, Singapore, November 8*, by Sonoma Technology, Inc., Petaluma, CA. 910201-4030.
- White J.E., Dickerson P.G., Jackson S.A., Dye T.S., Chan A.C., Alrick D.M., and Shell N.M. (2010) AIRNow – collection of air quality data for real-time public reporting and forecasting. Presented at *EPA-China Workshop, Beijing, China, May 17-18*. STI-3857.
- White J.E., Dickerson P.G., Jackson S.A., Chan A.C., Zahn P.H., Johnson J.A., and Miller D.S. (2010) 2009: a year of AIRNow changes and milestones. Presented at the *National Air Quality Conferences, Raleigh, NC, March 15-18*, by the U.S. Environmental Protection Agency, Research Triangle Park, NC, and Sonoma Technology, Inc., Petaluma, CA. STI-3804.
- 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*. STI-3712.
- Chan A., Dye T.S., Cook J., Procter T., White J.E., Dickerson P.G., and Jackson S.A. (2009) Mobile monitoring and AIRNow-Tech during the 2008 northern California wildfires. Presented at the *National Ambient Air Monitoring Conference, Nashville, TN, November 2-5*. STI-3680.
- Johnson J.A. and Chan A.C. (2009) Air quality outreach materials. Presented at *Comunicando Información sobre la Calidad del Aire en Centroamérica, City of Knowledge, Panama, September 10-11*. STI-908078-3673.
- Johnson J.A. and Chan A.C. (2009) Communicating air quality information. Presented at *Comunicando Información sobre la Calidad del Aire en Centroamérica, City of Knowledge, Panama, September 10-11*. STI-908078-3674.
- Johnson J.A. and Chan A.C. (2009) What is an air quality action day? Presented at *Comunicando Información sobre la Calidad del Aire en Centroamérica, City of Knowledge, Panama, September 10-11*. STI-908078-3675.

- Chan A.C., Dye T.S., White J.E., and Jackson S.A. (2009) AIRNow and outreach resources. Presented to the California Air Pollution Control Officers Association, Small/Rural Section Meeting, Sonora, CA, by Sonoma Technology, Inc., Petaluma, CA, and the U.S. Environmental Protection Agency, Research Triangle Park, NC, STI-905501-3698, September.
- Miller D.S., Pasch A.N., Chan A.C., and Dye T.S. (2009) Real-time PM<sub>2.5</sub> reporting. Presented at the *National Air Quality Conference, Dallas, TX, March 3*, by Sonoma Technology, Inc., Petaluma, CA. STI-3549.
- Chan A.C., Cook J., Procter T., and Brown T. (2009) Smoke impact forecasting and emergency response during the 2008 Northern California wildfires. Presented at the *National Air Quality Conference, Dallas, TX, March 2-5*. STI-3544.
- Sullivan D., Chan A., Knoderer C., Raffuse S., Wheeler N., and Craig K. (2008) Emergency smoke response systems: air quality forecasts and monitoring during the 2008 California wildfires. Presented at the *Pacific Coast Fire Conference, San Diego, CA, December 3*, by Sonoma Technology, Inc., Petaluma, CA; the USFS AirFire Team, Seattle, WA; the Desert Research Institute, Reno, NV; and USFS Region 5, CA. STI-3515.
- Dye T.S., Chan A.C., Bratek S.A., Jackson S.A., and White J.E. (2008) Air pollution public information systems in the United States. Presentation at the *Better Air Quality Conference, Bangkok, Thailand, November 19-21*, by Sonoma Technology, Inc., Petaluma, CA, and U. S. Environmental Protection Agency, Research Triangle Park, NC. STI-3494.
- Dye T.S., Chan A., Bratek S.A., White J.E., and Jackson S.A. (2008) Role of AIRNow during air emergency response. Presentation made to the California Air Response Planning Alliance Summit, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, and the U.S. Environmental Protection Agency, Research Triangle Park, NC, STI-905501-3462, October.
- Chan A.C. and Johnson J.A. (2008) Air quality forecasting. Presented to the Mid-Ohio Regional Planning Commission, Columbus, OH, by Sonoma Technology, Petaluma, CA, STI-3439, September 11.
- Chan A.C., Fu J.Q., Wang H., Lu T., Lin C., Dye T.S., White J.E., and Jackson S.A. (2008) Progress on Shanghai AIRNow-I pilot and supporting activities. Presented at the Yangtze River Delta Regional Air Quality Management Workshop, Shanghai, China by Sonoma Technology, Inc., Petaluma, CA, USA; Shanghai Environmental Monitoring Center, Shanghai, China; and U.S. Environmental Protection Agency, Research Triangle Park, NC, USA, STI-905403-3346, April.
- Miller D.S., Chan A.C., and Dye T.S. (2008) Real-time PM<sub>2.5</sub> reporting: the good, the bad, and the ugly. Poster presented at the *National Air Quality Conferences, Portland, OR, April 6-9*. STI-905401-3301.
- Miller D.S., Dye T.S., and Chan A.C., Zell E.R., and Engel-Cox J. (2008) Air quality stories: bridging the gap between the media and air quality. Presented at the *National Air Quality Conferences, Portland, OR, April 8*. STI-905401-3300.
- Chan A.C. (2007) AIRNow overview. Presentation prepared for the Clark County Department of Air Quality and Environmental Management and the Tribal Air Monitoring Support Steering Committee Meeting, Las Vegas, NV, by the AIRNow Data Management Center, Sonoma Technology, Inc., Petaluma, CA, STI-905401-3249, October 25.

- Chan A.C. (2007) EnviroFlash. Presentation prepared for the Clark County Department of Air Quality and Environmental Management, Las Vegas, NV, by the AIRNow Data Management Center, Sonoma Technology, Inc., Petaluma, CA, STI-905404-3250, October 25.
- MacDonald C.P., Dye T.S., and Chan A.C. (2007) Continuous vs. filter measurements of PM<sub>2.5</sub> in Columbus, Ohio. Presentation prepared for the Mid-Ohio Regional Planning Commission, Columbus, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-905025-3192, July.
- MacDonald C.P., Bratek S.A., Chan A.C., and Dye T.S. (2007) Analysis to improve Louisiana forecasts. Presentation prepared for LA Department of Environmental Quality, Baton Rouge, LA, by Sonoma Technology, Inc., Petaluma, CA, STI-907015-3178, June.
- Chan A.C., Dye T.S., and Miller D.S. (2007) Louisiana Department of Environmental Quality ozone forecasting. Presented to the Louisiana Department of Environmental Quality, Baton Rouge, LA, by Sonoma Technology, Inc., Petaluma, CA, STI-907015-3160, April 23.
- Dye T.S., Chan A.C., White J., Jackson S., Dickerson P., and Jang C. (2007) The U.S. EPA's AIRNow program: system overview, operational challenges, and future plans for reporting real-time air quality data and forecasts. Presented at the *10th International Conference on Atmospheric Sciences and Applications to Air Quality, Hong Kong, China, May 14-16*, by Sonoma Technology, Inc., Petaluma, CA, and the U.S. Environmental Protection Agency, Research Triangle Park, NC. STI-3102.
- Chan A.C., MacDonald C.P., Wang J.J., Fu J.Q., Lin C., and Dye T.S. (2007) Air quality forecasting and technical exchange and support for the Shanghai Environmental Protection Bureau. Poster presented at the *10th International Conference on Atmospheric Sciences and Applications to Air Quality, Hong Kong, China, May 14-16*, by Sonoma Technology, Inc., Petaluma, CA, and the Shanghai Environmental Monitoring Center. STI-3101.
- Chan A.C., Conatser N.D., Dye T.S., and Miller D.S. (2006) 2006 forecasting and outreach. End of season report prepared for the Air Districts of the Sacramento Region, *Air Pollution Control Officers Meeting, Sacramento, CA, December 19*, by Sonoma Technology, Inc., Petaluma, CA. STI-904311-3100.
- Chan A.C., Anderson C.B., Conatser N.D., Miller D.S., and Dye T.S. (2006) Review of the 2005-2006 winter smog season – air quality forecasting for Youngstown, Ohio. Presentation prepared for the Eastgate Regional Council of Governments, Youngstown, OH, by Sonoma Technology, Inc., Petaluma, CA. STI-906007-3002), July.
- Chan A.C., Anderson C.B., Conatser N.D., and Dye T.S. (2006) Winter smog season air quality forecasting in the Mahoning Valley, Ohio. Presented to the Eastgate Regional Council of Governments, Youngstown, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-906007-2009, July.
- Anderson C.B., Chan A.C., Conatser N.D., Dye T.S., and Miller D.S. (2006) Review of the 2005-2006 winter smog season–air quality forecasting for Columbus, Ohio. Presented to the Mid-Ohio Regional Planning Commission, Air Quality Committee, Columbus, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-905025-3003, July.
- Dye T., MacDonald C., and Chan A. (2006) Air quality forecasting and measurements. Presentation prepared for China Meteorological Agency, China, by Sonoma Technology, Inc., Petaluma, CA, STI-906015-2934, April.



- Anderson C.B., Chan A.C., and Conatser N.D. (2006) The future of AIRNow-Tech. Presented at the *U.S. Environmental Protection Agency's 2006 National Air Quality Conference: Air Quality Forecasting, Mapping, and Monitoring and Communicating Air Quality and Communities in Motion, San Antonio, TX, February 5-8*, by Sonoma Technology, Inc., Petaluma, CA. STI-2896.
- Chan A.C., Dye T.S., Wayland R.A., Homolya J.B., and Vanichchagorn M. (2006) Air quality monitoring and forecasting in the aftermath of Hurricane Katrina. Presented at the *U.S. Environmental Protection Agency's 2006 National Air Quality Conference: Air Quality Forecasting, Mapping, and Monitoring and Communicating Air Quality and Communities in Motion, San Antonio, TX, February 5-8*, by Sonoma Technology, Inc., Petaluma, CA; U.S. Environmental Protection Agency, Research Triangle Park, NC; and Louisiana Department of Environmental Quality, Baton Rouge, LA. STI-2855.
- Anderson C.B., Chan A.C., Conatser N.D., and Dye T.S. (2005) Summary of 2005 ozone forecasting, ozone mapping, and AirAlert. Presented at the Air Districts of the Sacramento Region Air Pollution Control Officers Meeting, Sacramento, CA, December 12, by Sonoma Technology, Inc., Petaluma, CA. STI-904301-2872.
- Chan A.C., Miller D.S., Conatser N.D., and Anderson C.B. (2005) Imperial Valley ozone forecasting end of 2005 season report. Presentation prepared for the California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-904460-2848, November.
- Anderson C.B., Chan A.C., Conatser N.D., and Dye T.S. (2005) Review of 2005 summer smog season - air quality forecasting for Columbus, Ohio. Presented to the *Mid-Ohio Regional Planning Commission Air Quality Committee, Columbus, OH, October 4*, by Sonoma Technology, Inc., Petaluma, CA. STI-905025-2823.
- Dye T.S., Chan A.C., Wayland R.A., and White J.E. (2005) A perfect smog storm: review of the particle pollution episode in the Midwest from January 31 to February 6, 2005. Presentation at the *34th Conference on Broadcast Meteorology, Washington, DC, August 1-5*. STI-905101-2727.
- Chan A.C., Anderson C.B., and Dye T.S. (2005) Review of the 2004-2005 winter smog season - air quality forecasting for Columbus, Ohio. Presentation prepared for the Mid-Ohio Regional Planning Commission, Columbus, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-905025-2769, July.
- Dye T.S., Wayland R.A., White J.E., Anderson C.B., Chan A.C., and Lengyel C.E. (2005) The U.S. EPA's AIRNow program: system overview, data availability, and research needs. Presented at the *American Meteorological Society Atmospheric Sciences and Air Quality Conference, San Francisco, CA, April 29*. STI-905101-2738.
- MacDonald C.P., Miller D.S., Chan A.C., Knoderer C.A., Nolan S., Jackson S., Bridgers G.M., Schranz S., Seybold M., Woodman M., Ryan W.F., Shipp E., and Ferreria S. (2005) Short course on air quality forecasting. Presented at *The 2005 National Air Quality Conference: Quality of Air Means Quality of Life, San Francisco, CA, February 13*. STI-902476-2697.
- Chan A.C. and Nguyen D.T. (2005) Data profiling summary for 2004-05. Poster prepared for the *U.S. Environmental Protection Agency's 2005 National Air Quality Conference: Quality of Air Means Quality of Life, San Francisco, CA, February 12-13*. STI-2688.
- Wayland R.A., White J.E., Lengyel C.E., and Chan A.C. (2005) Evaluating state/local forecast performance: lessons learned and future direction. Presented at the *U.S. Environmental Protection Agency's 2005*

*National Air Quality Conference: Quality of Air Means Quality of Life, San Francisco, CA, February 12-13.* STI-905101-2690.

- Dye T.S., Anderson C.B., Chan A.C., and Lengyel C.E. (2004) 2004 summer ozone season – air quality forecasting for Youngstown, Ohio. Presentation prepared for Eastgate Regional Council of Government, Youngstown, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-904190-2640, November.
- Anderson C.B., Chan A.C., Lengyel C.E., and Dye T.S. (2004) Review of 2004 summer smog season – air quality forecasting for Columbus, Ohio. Presentation prepared for Mid-Ohio Regional Planning Commission, Columbus, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-904200-2634, October.
- Chan A.C. (2004) AIRNow real-time air quality system. Presented at *Beijing International Environment Forum, September 14-15*, by Sonoma Technology, Inc., Petaluma, CA. STI-902116-2605.
- White J.E., Wayland R.A., Dye T.S., and Chan A.C. (2004) AIRNow air quality notification and forecasting system. Presented at the *Beijing International Environment Forum, Beijing, China, September 14-15*. STI-2588.
- Chan A.C. and Anderson C.B. (2004) Data made easy with AIRNow-Tech. Presented at the *U.S. Environmental Protection Agency's 2004 National Air Quality Conference: Your Forecast to Breathe By, Baltimore, MD, February 22*, by Sonoma Technology, Inc., Petaluma, CA. STI-902102-2494.
- Anderson C.B. and Chan A.C. (2004) AIRNow issues and products. Presented at the *U.S. Environmental Protection Agency's 2004 National Air Quality Conference: Your Forecast to Breathe By, Baltimore, MD, February 22*, by Sonoma Technology, Inc., Petaluma, CA. STI-902102-2495.
- Raffuse S.M., Chan A.C., Funk T.H., Alcorn S.H., Strohm D.E., and Dye T.S. (2004) Incorporating ASOS visibility data in PM<sub>2.5</sub> mapping. Presented at the *U.S. Environmental Protection Agency's 2004 National Air Quality Conference: Your Forecast to Breathe By, Baltimore, MD, February 22*, by Sonoma Technology, Inc., Petaluma, CA. STI-2492.
- Dye T.S., Chan A.C., Anderson C.B., Strohm D.E., Wayland R.A., and White J.E. (2004) From raw air quality data to the nightly news: an overview of how EPA's AIRNow program operates. Paper presented at the *2004 American Meteorological Society Annual Meeting, AMS Sixth Conference on Atmospheric Chemistry: Air Quality in Megacities, Seattle, WA, January 11-15*, by Sonoma Technology, Inc., Petaluma, CA, and U.S. Environmental Protection Agency, Research Triangle Park, NC. STI-902107-2405.
- Wayland R.A., White J.E., Dye T.S., Anderson C.B., Chan A.C., and Strohm D.E. (2004) Future of AIRNow forecasting and the Air Quality Index: beyond mapping and forecasting. Paper presented at the *2004 American Meteorological Society Annual Meeting, AMS Sixth Conference on Atmospheric Chemistry: Air Quality in Megacities, Seattle, WA, January 11-15*, by the U.S. Environmental Protection Agency, Research Triangle Park, NC, and Sonoma Technology, Inc., Petaluma, CA. STI-902107-2406.
- Chan A.C., Dye T.S., MacDonald C.P., Anderson C.B., Miller D.S., and Garlock J. (2004) Air quality nowcasting for the issuance of health advisories in the Sacramento, California, metropolitan region. Paper for the *2004 American Meteorological Society Annual Meeting, Symposium on Planning, Nowcasting, and Forecasting in the Urban Zone, Seattle, WA, January 11-15*. STI-2410.

- Anderson C.B., Dye T.S., Chan A.C., Miller D.S., Strohm D.E., and MacDonald C.P. (2003) Summary of 2003 ozone forecasting, ozone mapping, and AirAlert. Presented to the Air Districts of the Sacramento Region, Air Pollution Control Officers Meeting, Sacramento, CA, December 15 (STI-903213-2455).
- Dye T.S., Anderson C.B., Nguyen D.T., and Chan A.C. (2003) Summary of ozone forecasting in Youngstown-Warren, Ohio. Presentation prepared for Eastgate Regional Council of Governments, Youngstown, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-903380-2437, November.
- Chan A.C., Anderson C.B., and Dye T.S. (2003) AIRNow year in review 2002. Presented at the *U.S. Environmental Protection Agency's National Air Quality Conference: Mapping and Forecasting, San Antonio, TX, February 2-5, 2003*, by Sonoma Technology, Inc., Petaluma, CA. STI-902082-2340.
- Funk T.H., Dye T.S., Chan A.C., Anderson C.B., and Penfold B.M. (2003) Mapping PM<sub>2.5</sub> - methods and uncertainties. Presented at *U.S. Environmental Protection Agency's National Air Quality Conference, San Antonio, TX, February 2-5, 2003*, by Sonoma Technology, Inc., Petaluma, CA. STI-902090-2324.
- Chan A.C., Dye T.S., Anderson C.B., Wayland C., and White J. (2002) From raw data to television: How the U.S. Environmental Protection Agency's AIRNow system works. Presented at the *Better Air Quality in Asian and Pacific Rim Cities Conference, Hong Kong, December*, by Sonoma Technology, Inc., Petaluma, CA. STI-2293.
- Dye T.S., Anderson C.B., Chan A.C., and MacDonald C.P. (2002) August mega-ozone episode AIRNow PM<sub>2.5</sub> forecasting media coverage. Presented to the Sacramento Meteorological Air Quality Management District Mid-Ozone Season Meeting, Sacramento, CA, September 12, by Sonoma Technology, Inc., Petaluma, CA. STI-900161-2343.

## Formal Reports

- Hafner H., Stanton L., and Chan A. (2018) Standard operating procedure for air quality sensor deployments. Prepared by Sonoma Technology, Inc., Petaluma, CA, STI-917067-6882, April 25.
- Hylton M., Zahn P., and Chan A. (2017) 2016 Spare The Air end-of-season report. Prepared for the Air Districts of the Sacramento Region, Sacramento, CA, January 24, by Sonoma Technology, Inc., Petaluma, CA. STI-914073-6649.
- Chan A.C. (2015) Kids Making Sense Training and Workshop in Brawley, CA. Trip report prepared for the U.S. Environmental Protection Agency Office of Environmental Education, Washington, DC, STI-915102-6414, December.
- DeWinter J.L. and Chan A.C. (2015) Kids Making Sense Workshop in Los Angeles, CA. Trip report prepared for the U.S. Environmental Protection Agency Office of Environmental Education, Washington, DC, STI-915102-6415, December.
- Gordon B. and Chan A. (2013) Summary of AirNow-International efforts in Mexico. Technical memorandum prepared for the U.S. Environmental Protection Agency by Sonoma Technology, Inc., Petaluma, CA, STI-913025-5739-TM, August 9.
- Dye T.S., Chan A.C., and Alrick D.M. (2011) Community groups: air quality needs, challenges, and opportunities related to monitoring, data processing, and communication. Report prepared for the

U.S. Environmental Protection Agency, Washington, D.C., by Sonoma Technology, Inc., Petaluma, CA, STI-910216-4275, November.

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.

Alrick D.M. and Chan A.C. (2010) Recent Louisiana ozone pollution events. Prepared for the Louisiana Department of Environmental Quality by Sonoma Technology, Inc., STI-909030-3890, May.

Wheeler N.J.M., Ludewig S.A., Gray E.A., Dye T.S., and Chan A.C. (2008) AIRNow Data Management Center (DMC) contingency plan. Prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-905203-2861, September.

U.S. Environmental Protection Agency (2003) Guidelines for developing an air quality (ozone and PM<sub>2.5</sub>) forecasting program. Prepared by Dye T.S., MacDonald C.P., Anderson C.B., Hafner H.R., Wheeler N.J.M., and Chan A.C. at Sonoma Technology, Inc., Petaluma, CA, STI-902461-2295-FR, EPA-456/R-03-002, June. Available at [http://www.epa.gov/airnow/aq\\_forecasting\\_guidance-1016.pdf](http://www.epa.gov/airnow/aq_forecasting_guidance-1016.pdf).

Chan A.C., MacDonald C.P., and Dye T.S. (2003) Analysis of the February 25-March 2, 2003 PM<sub>2.5</sub> episode over the Midwest. Report prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-902462-2355, April.

Chan A.C., Dye T.S., Anderson C.B., MacDonald C.P., Miller D.S., and Knoderer C.A. (2002) Summary of the 2002 ozone forecasting for Minneapolis/St. Paul, MN. Prepared for the Minneapolis Pollution Control Agency, St. Paul, MN, by Sonoma Technology, Inc., Petaluma, CA, STI-901102-2272, October.

## Software Documentation

Chan A.C., Haderman M., Dye T.S., Gray E.A., and Pryden D.A. (2010) AIRNow-International (AIRNow-I) system specification and planning document. Software specification prepared for the Commission for Environmental Cooperation, Montreal, Quebec, Canada, by Sonoma Technology, Inc., Petaluma, CA, STI-910034-4047-SS, December 21.

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-905403-3282, May.

Gray E., Dye T., Ovard C., Chan A., Conatser N., Ludewig S.A., and Miller D.S. (2007) AIRNow Gateway implementation, final specifications. Specifications document prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-905302-3033-TM, January.

MacDonald C.P., Knoderer C.A., Dye T.S., and Chan A.C. (2005) Vaisala wind profiler software, data validation, and data analysis training. Training manual prepared for Vaisala, Inc., Louisville, CO, by Sonoma Technology, Inc., Petaluma, CA, STI-905058-2865, December.

Dye T.S., Anderson C.B., Ludewig S.A., Gray E.A., Chan A.C., and Strohm D.E. (2003) AIRNow-Tech user manual. Prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-902088-2383-UM, June.

Anderson C.B., Dye T.S., Ludewig S.A., Chan A.C., Gray E.A., and Prouty J.D. (2002) Functional design specification document for the AIRNow technical user web site. Design specification document prepared for U.S. Environmental Protection Agency Office of Air Quality Planning and Standards, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-902087-2287-DSD, December.

## Videos and Fact Sheets

Chan A. (2018) Project overview: establishing an air sensor network in Accra, Ghana. Fact sheet, STI-6945, June.

Chan A.C. and Dye T.S. (2015) Viewing KMS Air Sensing Data. Fact sheet, 915102-6408, December.

Chan A.C. and Dye T.S. (2015) Air sensor fact sheet. 915102-6364, October.

Chan A. (2015) AirNow-International data transfer. Fact sheet prepared by Sonoma Technology, Inc., Petaluma, CA, STI-6352, September.

Zahn P., LaGuardia N., Chan A., Haderman M., Jennings C., and Dye T. (2014) The AirNow-International system. Video prepared by Sonoma Technology, Inc., Petaluma, CA. STI-910502-6115, November 11.

Gordon B., Jennings C., Dye T., and Chan A. (2014) Help launch Kids Making Sense around the world. Fact sheet prepared by Sonoma Technology, Inc., Petaluma, CA, STI-6113, November.

LaGuardia N., Chan A., and Dye T. (2014) NowCast. Fact sheet prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, 910501-6079, October.

Chan A., Jennings C., and Dye T. (2014) AirNow-International: A System to Protect Public Health. Fact sheet prepared for the U.S. Environmental Protection Agency, Research Triangle Park, CA by Sonoma Technology, Inc., Petaluma, CA, STI-910501-5841, June.

Alrick D. and Chan A. (2014) Ozone forecasting for central Ohio. Fact sheet prepared for the Mid-Ohio Regional Planning Commission, Columbus, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-911044-5968, May.

Alrick D. and Chan A. (2014) Air quality summary in central Ohio: November 1, 2013 through March 31, 2014. Fact sheet prepared for the Mid-Ohio Regional Planning Commission, Columbus, OH by Sonoma Technology, Inc., Petaluma, CA, STI-911044-5956, April.

Alrick D. and Chan A. (2014) Air quality summary in Youngstown-Warren: November 1, 2013, through March 31, 2014. Fact sheet prepared for the Eastgate Regional Council of Governments, Youngstown, OH by Sonoma Technology, Inc., Petaluma, CA, STI-914016-5953, April.

Gordon B. and Chan A. (2014) Louisiana air quality summary: January 1 through December 31, 2013. Fact sheet prepared for the Louisiana Department of Environmental Quality, Baton Rouge, LA by Sonoma Technology, Inc., Petaluma, CA, STI-912019-5897, January.

- Zahn P., LaGuardia N., Chan A., and Jennings C. (2012) Eastgate special report for spring 2012. Video prepared for the Eastgate Regional Council of Governments, April 5, by Sonoma Technology, Petaluma, CA. STI-911019-5346.
- Zahn P., Alrick D., Chan A., and Jennings C. (2012) Creating GIS map templates for IMS. Video prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, March 20, by Sonoma Technology, Inc., Petaluma, CA. STI-910303-5322.
- Zahn P., Alrick D., Chan A., and Jennings C. (2012) Creating GIS masks for IMS. Video prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, March 20, by Sonoma Technology, Inc., Petaluma, CA. STI-910303-5322.
- LaGuardia N., Miller D., Chan A., and Jennings C. (2012) AirNow-Tech 2.0 tutorial video – data queries. Video prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, September 20, by Sonoma Technology, Inc., Petaluma, CA. STI-910301-5473.
- LaGuardia N., Miller D., Chan A., and Jennings C. (2012) AirNow-Tech 2.0 tutorial video – data editing. Video prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, September 20, by Sonoma Technology, Inc., Petaluma, CA. STI-910301-5472.
- LaGuardia N., Miller D., Chan A., and Jennings C. (2012) AirNow-Tech 2.0 tutorial video – buddy sites. Video prepared for the U.S. EPA, Research Triangle Park, NC, September 20, by Sonoma Technology, Inc., Petaluma, CA. STI-910401-5522.
- Zahn P., Gordon B., Chan A., and Jennings C. (2012) AirNow end of season ozone summary. Video prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, March 5, by Sonoma Technology, Inc., Petaluma, CA. STI-910301-4277.
- Zahn P., Jennings C., and Chan A. (2012) Louisiana end of year air quality summary 2011. Video prepared for the Louisiana Department of Environmental Quality, Baton Rouge, LA, February 17, by Sonoma Technology, Inc., Petaluma, CA. STI-909030-4346.
- Zahn P.H., Gordon B.J., Chan A.C., and Jennings C.B. (2011) 2011 mid-season report for Columbus, Ohio. Video prepared for the Mid-Ohio Regional Planning Commission, September 30, by Sonoma Technology, Inc., Petaluma, CA (911037-4207).
- Zahn P.H., Chan A.C., and Jennings C.B. (2011) Central Ohio air quality summary – winter 2010-2011. Video prepared for Mid-Ohio Regional Planning Commission (MORPC), May 16, by Sonoma Technology, Inc., Petaluma, CA. STI-908039-4137.
- Zahn P.H., Chan A.C., and Jennings C.B. (2010) Mahoning Valley air quality summary fall 2010. Video prepared for Eastgate Regional Council of Governments, November 29, by Sonoma Technology, Inc., Petaluma, CA. STI-910018-4042.
- Zahn P.H., Chan A.C., and Jennings C.B. (2010) Weather and air quality in the Youngstown-Warren region. Video prepared for Eastgate Regional Council of Governments, June 7, by Sonoma Technology, Inc., Petaluma, CA. STI-910018-3953. Available at [http://www.youtube.com/watch?v=e23\\_yTAyQ9c](http://www.youtube.com/watch?v=e23_yTAyQ9c).
- Zahn P.H., Alrick D.M., Chan A.C., and Jennings C.B. (2010) Louisiana year-end air quality summary 2010. Video prepared for Louisiana Department of Environmental Quality (LDEQ), February 14, by Sonoma

Technology, Inc., Petaluma, CA. STI-909030-4085. Available at <http://www.youtube.com/watch?v=xMC7vNDXZng>.

## Courses Taught

Zahn P., Hafner H., and Chan A. (2017) Air quality forecasting training. Training course presented to the Nevada Department of Environmental Protection by Sonoma Technology, Inc., Petaluma, CA, STI-917003-6676, February 28 and March 1.

Chan A.C. and Dye T.S. (2015) Kids Making Sense instructional materials. Course taught at the Stella Matutina Girls' High School, Taichung, Taiwan, April, by Sonoma Technology, Inc., Petaluma, CA. STI-915102-6235, STI-915102-6249.

Chan A.C., Miller D.S., Gordon B.J., and Haderman M.D. (2012) Sesión de capacitación sobre AirNow-International (AirNow-International Training Session). Training course for the Secretariat of Sustainable Development of Nuevo León, Monterrey, Nuevo León, México, presented by Sonoma Technology, Inc., Petaluma, CA; U.S. Environmental Protection Agency, Research Triangle Park, NC; and Commission for Environmental Cooperation (CEC/CCA/CCE), Montréal, Quebec, Canada, STI-910303-5443, July 17-20.

Chan A.C. and Miller D.S. (2011) AIRNow and AIRNow-Tech. Training presented at the *National Tribal Forum, Spokane, Washington, June 14-16*, by Sonoma Technology, Inc., Petaluma, CA. STI-910216-4140.

Chan A.C. and Miller D.S. (2010) Sesión de capacitación sobre AIRNow-International. Training course prepared for the Commission for Environmental Cooperation in Mexico City, Mexico, by Sonoma Technology, Inc., Petaluma, CA, STI-910034-4000, October 26-28.

Landreneau J.V., Ray A.E., Hafner H.R., Roberts P.T., Chan A., Jackson J.A., and Zell E. (2009) Designing an air quality monitoring network for urban centers. Training course presented at the *Curso Regional sobre Aseguramiento de la Calidad de las Mediciones de Inmisiones y Emisiones de Contaminantes de Aire Universidad Nacional, Costa Rica, March 30–April 3, 2009*, by Sonoma Technology, Inc., Petaluma, CA, and Battelle Memorial Institute, Arlington, VA. STI-908078-3596.

White J.E., Jackson S.A., Dye T.S., and Chan A.C. (2005) AIRNow air quality notification and forecasting system. Training prepared for the Shanghai Environmental Monitoring Center, Shanghai, China, by the U.S. Environmental Protection Agency, Research Triangle Park, NC, and Sonoma Technology, Inc., Petaluma, CA, STI-905101-2741, May.