

References

- Adamski W. and Liu P.G. (1996) Preliminary analysis of average hourly isoprene air quality measurements in the context of average total NMOCs, ambient temperature and total incoming solar radiation for 5 sites in eastern U.S. during 1993 and 1995 OTAG episodes. Internal report prepared by the Wisconsin Department of Natural Resources, Racine, WI, March.
- Adamski W., Laas J., and Liu P.G. (1996) Draft summary results from reviewing isoprene data. Internal report prepared by the Wisconsin Department of Natural Resources, Racine, WI, April.
- Adamski W. (1997) An analysis of measured and predicted concentrations aloft of ozone and total reactive oxides of nitrogen in the eastern U.S. during July 1995. Draft report prepared by Wisconsin Department of Natural Resources, Racine, WI, January.
- Adamski W. (2000) Analyzing aircraft-observed measurements of ozone, oxides of nitrogen and meteorology: Case study 4 (modeled v. aircraft). Prepared for *Data Analysis Workshop: Analysis of PM and Ozone Data, Austin TX, May 16-19*. Sponsored by Central States Air Resources Agencies Association and the U.S. Environmental Protection Agency Air Pollution Training Institute.
- Adamski W. (2000) Applying observation-based methods (OBMs). Presented at *Data Analysis Workshop: Analysis of PM and Ozone Data, Austin, TX, May 16-19*, cosponsored by Central States Air Resources Agencies Association and the Air Pollution Training Institute, U.S. Environmental Protection Agency.
- Allwine K.J. and Whiteman C.D. (1994) Single-station integral measures of atmospheric stagnation, recirculation, and ventilation. *Atmos. Environ.* **28**, 713-721.
- Aneja V.P. and Das M. (1994) Correlation of ozone and meteorology with hydrogen peroxide in urban and rural regions of North Carolina. *J. Appl. Meteorol.* **34**, 1890-1897.
- Aneja V.P. and Roelle P. (1997) Contribution of biogenic nitric oxide in urban ozone: Raleigh, NC, as a case study. *Atmos. Environ.* **31**, 1531-1537.
- Bastable H.G., Rogers D.P., and Schorran D.E. (1990) Tracers of opportunity and pollutant transport in Southern California. *Atmos. Environ.* **24B**, 137-151.
- Blanchard C.L., Roth P.M., and Jeffries H.E. (1993a) Continuing development of a methodology for assessing preferences for reductions in VOC versus NO_x emissions in nonattainment areas. Paper presented at the *Air & Waste Management Association's Specialty Conference on Regional Photochemical Measurement and Modeling Studies, San Diego, CA, November 8-12*.

References

- Blanchard C.L., Roth P.M., and Jeffries H.E. (1993b) Spatial mapping of preferred strategies for reducing ambient ozone concentrations nationwide. Paper no. 93-TA-37A.04 presented at the *Air & Waste Management Association's 86th Annual Meeting & Exhibition, Denver, CO, June 13-18*.
- Blanchard C.L., Lurmann F.W., Korc M.E., and Roth P.M. (1994a) The use of ambient data to corroborate analyses of ozone control strategies. Final report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc., Santa Rosa, CA and Envair, San Anselmo, CA, STI-94030-1433-FR, Contract No. 68D30020, December.
- Blanchard C.L., Roberts P.T., Chinkin L.R., and Roth P.M. (1994b) Application of smog production (sp) algorithms to the Coastal Oxidant Assessment for Southeast Texas (COAST) data. Final report prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC by Envair, Albany, CA and Sonoma Technology, Inc., Santa Rosa, CA, STI-94080-1454-FR, Work Assignment 8-94, EPA Contract No. 68D30020, December.
- Bloomfield P., Royle J.A., Steinberg L.J., and Yang Q. (1996) Accounting for meteorological effects in measuring urban ozone levels and trends. *Atmos. Environ.* **30**, 3067-3077.
- Blumenthal D.L., Lurmann F.W., Kumar N., Dye T.S., Ray S.E., Korc M.E., Londergan R. and Moore G. (1997) Transport and mixing phenomena related to ozone exceedances in the Northeast U.S. (analyses based on NARSTO-Northeast data). Working draft prepared for OTAG Air Quality Analysis Workgroup by Sonoma Technology, Inc., Santa Rosa, CA, and Earth Tech, Concord, MA, STI-996133-1710-WD1, February. Also available at <http://capita.wustl.edu/OTAG/reports/Otagrept/Otagrept.html>
- Blumenthal D.L., Lurmann F.W., Roberts P.T., Main H.H., MacDonald C.P., Knuth W.R., and Niccum E.M. (1997) Three-dimensional distribution and transport analyses for SJVAQS/AUSPEX. Draft report prepared for the San Joaquin Valleywide Air Pollution Study Agency, California Air Resources Board, Sacramento, CA by Sonoma Technology, Inc., Santa Rosa, CA, STI-91060-1705-DFR, February.
- Blumenthal D.L., Lurmann F.W., Kumar N., Dye T.S., Ray S.E., Korc M.E., Londergan R. and Moore G. (1997) Assessment of transport and mixing and OTAG model performance for Northeast U.S. ozone episodes: Summary of results. Summary report prepared for submission to OTAG Air Quality Analysis Workgroup by Sonoma Technology, Inc., Santa Rosa, CA, and Earth Tech, Concord, MA, STI-996133-1710/1716-S, March. Also available at <http://capita.wustl.edu/OTAG/Reports/Otagrept/otagsum3.html>

References

- Bottenheim J.W. and Sirois A. (1996) Long-term daily mean mixing ratios of O₃, PAN, HNO₃, and particle nitrate at a rural location in eastern Canada: relationships and implied ozone production efficiency. *J. Geophys. Res.* **191**, 4189-4204.
- California Air Resources Board (1992) Modeling emissions data system. Draft report prepared by Control Strategy Modeling Section, Technical Support Division, California Air Resources Board, Sacramento, CA.
- California Air Resources Board (1994) California phase 2 reformulated gasoline news. RFG Forum, No. 1, December.
- California Air Resources Board (1995) Sacramento area modeling analysis for the 1994 state implementation plan. Report prepared by Technical Support Division, California Air Resources Board, Sacramento, CA, April.
- Cardelino C.A. and Chameides W.L. (1995) An observation-based model for analyzing ozone precursor relationships in the urban atmosphere. *J. Air & Waste Manag. Assoc.* **45**, 161-180.
- Carter W.P.L. (1991) Development of ozone reactivity scales for volatile organic compounds Report prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC, EPA-600/3-91-050.
- Carter W.P.L. (1994) Development of ozone reactivity scales for volatile organic compounds. *J. Air & Waste Manag. Assoc.* **44**, 881-899.
- Carter W.P.L. (1995) Computer modeling of environmental chamber measurements of maximum incremental reactivities of volatile organic compounds. *Atmos. Environ.* **29**, 2513-2527.
- Carter W.P.L., Pierce J. A., Luo D., and Malkina I. L. (1995) Environmental chamber study of maximum incremental reactivities of volatile organic compounds. *Atmos. Environ.* **29**, 2499-2511.
- Cassmassi J., Mitsutomi S., Bassett M., Lester J.C., and Zhang X. (1994) Ozone modeling -performance evaluation. Draft technical report V-B prepared by South Coast Air Quality Management District, Diamond Bar, CA, June.
- Chameides W.L., Lindsay R.W., Richardson J., and Kiang C.S. (1988) The role of biogenic hydrocarbons in urban photochemical smog: Atlanta as a case study. *Science* **241**, 1473-1475.
- Chameides W.L. and Cowling E.B. (1995) The state of the Southern Oxidants Study: Research accomplishments and future plans. Prepared for the SOS Science Team, April.
- Chang J.C. and Hanna S.R. (1993) Trajectory calculation for selected LMOS periods. Report prepared for Sonoma Technology, Inc., Santa Rosa, CA by Sigma Research Corp., Concord, MA, Report No. 1197-600, May.

References

- Chang T.Y. and Suzio M.J. (1995) Assessing ozone-precursor relationships based on a smog production model and ambient data. *J. Air & Waste Manag. Assoc.* **45**, 20-28.
- Chinkin L.R., Reiss R., Eisinger D.S., Dye T.S., Jones C.M. (1996a) Ozone exceedance data analysis: representativeness of 1995, Phase I. Final report prepared for the American Petroleum Institute by Sonoma Technology, Inc., Santa Rosa, CA. STI-996031-1574-FR, August.
- Chinkin L.R., Reiss R., and Eisinger D.S. (1996b) Ozone exceedance data analysis: representativeness of 1995, Phase II. Final report prepared for the American Petroleum Institute by Sonoma Technology, Inc., Santa Rosa, CA. STI-996032-1586-FR, October.
- Chinkin L.R., Ryan P.A., Reiss R., Jones C.M., Winer A., and Karlik J. (1996c) Improvements to the biogenic emission estimation process for Maricopa County. Final report prepared for Maricopa Association of Governments, Phoenix, AZ by Sonoma Technology, Inc., Santa Rosa, CA and University of California, Los Angeles, School of Public Health, Los Angeles, CA, STI-95160-1577-FR, July.
- Cohen M., Ryan P.B., Spengler J.D., Ozkaynak H., and Hayes C (1989) Source receptor study of volatile organic compounds and particulate matter in Charleston, WV. Paper 89-104.3 presented at the *82nd Air & Waste Management Association Annual Meeting, Anaheim, CA, June 25-30*.
- Conner T.L., Collins J.F., Lonneman W.A., and Seila R.L. (1994) Comparison of Atlanta emission inventory with ambient data using chemical mass balance receptor modeling. Paper presented at the *Air & Waste Management Association Emission Inventory Applications and Improvement Conference, Raleigh, NC, November 1-3*.
- Conner T.L., Lonneman W.A., and Seila R.L. (1995) Transportation-related volatile hydrocarbon source profiles measured in Atlanta. *J. Air & Waste Manag. Assoc.* **45**, 383-394.
- Cox W.M. and Chu S.H. (1992) Meteorologically adjusted ozone trends in urban areas: a probability approach. In *Transactions of the Tropospheric Ozone and the Environment II International Specialty Conference, Air & Waste Management Association, Pittsburgh, PA*, pp. 342-353.
- Cox W.M. and Chu S.H. (1993) Meteorological adjusted ozone trends in urban areas: a probabilistic approach. *Atmos. Environ.* **27B**, 425-434.

References

- Cox W.M. and Chu S.H. (1996) Assessment of interannual ozone variations in urban areas from a climatological perspective, submitted to *Atmos. Environ.*
- Cox W.M. and Chu S.H. (1998) Cox-Chu meteorologically-adjusted ozone trends (1-hour and 8-hour): 1986-1997., Web page for Center for Air Pollution Impact and Trend Analysis (CAPITA), Washington University, St. Louis, MO <<http://capita.wustl.edu/Enhanced Ozone/Resources/Data/Data.html>>, October.
- Deuel H.P. and Douglas S.G. (1996) Regional ozone patterns in the eastern U.S. 1985-1995: statistical pattern analysis and Classification and Regression Tree (CART) analysis in support of the Ozone Transport and Assessment Group (OTAG) modeling effort. Final report prepared for Southeast Modeling Center by Systems Applications International, Inc., San Rafael, CA, SYSAPP-96/50, October. Also available at http://capita.wustl.edu/OTAG/Reports/SAI_SCS/O3ptrn.html
- Doskey P.V., Porter J.A., and Scheff P.A. (1992) Source fingerprints for volatile non-methane hydrocarbons. *J. Air & Waste Manag. Assoc.*, **42**, 1437-1445.
- Douglas S.G., Deuel H.P., and Haney J.L. (1995) Classification and Regression Tree analysis to support the selection of episodes for regional-scale photochemical modeling of the southeastern U.A. Prepared for Southern Company Services, Inc., Birmingham, AL by Systems Applications International, Inc., San Rafael, CA, SYSAPP-95/084, December. Also available at http://capita.wustl.edu/OTAG/Reports/SAI_SCS/EPS_RS_M.html
- Dye T.S. (1996) Unpublished data. Sonoma Technology Inc., Santa Rosa, CA.
- Dye T.S., Lindsey C.G., and Anderson J.A. (1995a) Estimates of mixing depths from "boundary layer" profilers. In Preprints of the *9th Symposium on Meteorological Observations and Instrumentation*, Charlotte, NC, March 27-31, STI-94212-1451.
- Dye T.S., Roberts P.T., and Korc M.E. (1995b) Observations of transport processes for ozone and ozone precursors during the 1991 Lake Michigan Ozone Study. *J. Appl. Meteorol.* **34**, 1877-1889. (STI-1384).
- Edgerton E.S. and Hartsell B.E. (1995) Ozone/NO_y tracer relationships at three SOS-SCION sites. Draft technical report prepared by ESE Environmental, Inc., Durham, NC. Available at <http://capita.wustl.edu/OTAG/reports/ONTSCION/Ontscion.html>

References

- Edgerton E.S. and Hartsell B.E. (1996) Analysis of ozone, NO_y, and tracer data from a site in south-central Pennsylvania. Report prepared for OTAG Air Quality Analysis Subgroup by ESE Environmental, Inc., Durham, NC, October. Available at <http://capita.wustl.edu/otag/Reports/OntPenn/OntPenn.html>
- Eisinger D.S., Deakin E.A., Mahoney L.A., Morris R.E., and Ireson R.G. (1990) Transportation control measures: state implementation plan guidance. Revised final report prepared by Systems Applications International, San Rafael, CA, SYSAPP-90/084, September.
- EMS95-Developed by Alpine Geophysics. Contact Lake Michigan Air Directors Consortium, 2350 E. Devon Ave., Suite 242, Des Plaines, IL 60018 (847)296-2181.
- EPS 2.0 - User's guide for the Urban Airshed Model volume iv: User's manual for the emissions processor system 2.0. Part A: Core Fortran System. U.S. EPA Office of Air Quality, Planning and Standards, Research Triangle Park, NC 27711. EPA-450/4-90-007D(R) June 1992.
- Fairley D. and Blanchard C.L. (1991) Rethinking the ozone standard. *J. Air & Waste Manag. Assoc.* **41**, 928-936.
- Falke S.T. and Husar R.B. (1996) Uncertainty in the spatial interpolation of ozone monitoring data. Draft report prepared by Center for air Pollution Impact and Trend Analysis (CAPITA), May. Available at <http://capita.wustl.edu/capita/capitareports/o3interp/o3interp.html>
- Flaum J.B., Rao S.T., and Zurbenko I.G. (1996) Moderating the influence of meteorological conditions on ambient ozone concentrations. *J. Air & Waste Manag. Assoc.*, **46**, 35-46.
- Fujita E.M. (1995) Evaluation of the emissions inventory in the South Coast Air Basin. In *Proceedings of the Fifth CRC On-Road Vehicle Emissions Workshop, San Diego, CA, April 3-5*, Coordinating Research Council, Inc., Atlanta, GA, pp. 1.17-1.33.
- Fujita E.M., Croes B.E, Bennett C.L., Lawson D.R., Lurmann F.W., and Main H.H. (1992) Comparison of emission inventory and ambient concentration ratios of CO, NMOG, and NO_x in California's South Coast Air Basin. *J. Air & Waste Manag. Assoc.* **42**, 264-276.
- Fujita E.M., Watson J.G., Chow J.C., and Lu Z. (1994) Validation of the chemical mass balance receptor model applied to hydrocarbon source apportionment in the Southern California Air Quality Study. *Environ. Sci. Technol.* **28**, 1633-1649.

References

- Fujita E.M., Watson J.G., Chow J.C., and Magliano K.L. (1995) Receptor model and emissions inventory source apportionments of nonmethane organic gases in California's San Joaquin Valley and San Francisco Bay Area. *Atmos. Environ.* **29**, 3019-3035.
- Gauthreaux Jr. S.A. (1991) The flight behavior of migrating birds in changing wind fields: radar and visual analyses. *Amer. Zool.* **31**, 187-204.
- Gertler A.W., Fujita E. M., Pierson W.R., Wittorff D.N. (1996a) Apportionment of NMHC tailpipe vs. non-tailpipe emissions in the Fort McHenry and Tuscarora Mountain tunnels. *Atmos. Environ.* **30(12)**, 2290-2305.
- Gertler A.W., Sagebiel J.C., Wittorff D.N., Pierson W.R., Dippel W.A., Freeman D., and Sheetz L. (1996b) High exhaust emitters project site characterization/selection/feasibility study. Final report prepared for Coordinating Research Council, Atlanta, GA by Desert Research Institute, Reno, NV, Project No. E-5, December.
- Gong Q. and Demerjian K.L. (1995) Hydrocarbon losses on a regenerated Nafion dryer. *J. Air & Waste Manag. Assoc.* **45**, 490-493.
- Grosjean E., Grosjean D., Fraser M.P., and Cass G.R. (1996) Air quality model evaluation data for organics. 2. C1 - C14 carbonyls in Los Angeles air. *Environ. Sci. Technol.* **30**, 2687-2703.
- Guenther A.B., Monson R.K., and Fall R. (1991) Isoprene and monoterpene emission rate variability - observations with eucalyptus and emission rate algorithm development. *J. Geophys. Res.* **96**, 10799-10808.
- Guenther A.B., Zimmerman P.R., Harley P.C., Monson R.K., and Fall R. (1993) Isoprene and monoterpene emission rate variability - model evaluations and sensitivity analysis. *J. Geophys. Res.* **98**, 12609-12617.
- Guenther A., Zimmerman P., Klinger L., Greenbert J., Ennis C., Davis K., and Pollock W. (1996) Estimates of regional natural volatile organic compound fluxes from enclosure and ambient measurements. *J. Geophys. Res.* **101**, 1345-1359.
- Hammond D. (1996) Ambient trends of benzene in California from 1990 through 1995. Paper presented at the U.S. Environmental Protection Agency and Air & Waste Management Association International Symposium on Measurement of Toxic and Related Air Pollutants, Research Triangle Park, NC, May 7-9.

References

- Hanna S.R. and Chang J.C. (1993) Representativeness of 1991 LMOS ozone episodes and relations between ozone episodes and meteorological variables in the Lake Michigan area. Report prepared for Sonoma Technology, Inc., Santa Rosa, CA by Sigma Research Corp., Concord, MA, Report No. 1197-407/411, January.
- Hanna S.R., Moore G.E., and Fernau M.E. (1996) Evaluation of photochemical grid models (UAM-IV, UAM-V, and the ROM/UAM-IV couple) using data from the Lake Michigan Ozone Study (LMOS). *Atmos. Environ.* **30**, 3265-3279.
- Harley R.A., Hannglan M.P., and Cass G.R. (1992) Respeciation of organic gas emissions and the detection of excess unburned gasoline in the atmosphere. *Environ. Sci. Technol.* **26**, 2395-2408.
- Hartsell B.E., Aneja V.P., and Lonneman W.A. (1994) Relationships between peroxyacetyl nitrate, O₃, and NO_y at the rural southern oxidants study site in central Piedmont, North Carolina, site SONIA. *J. Geophys. Res.* **99**, 21033-21041.
- Hartsell B.E. and Edgerton E.S. (1995) A comparison of modeled and measured ozone, NO_y and CO at nine regional monitoring stations during the 1995 OTAG episode. Draft technical report prepared by ESE Environmental, Inc., Durham, NC. Available at <http://capita.wustl.edu/OTAG/reports/HARMOD/modcomp.html>
- Haste T.L., Chinkin L.R., Main H.H., Kumar N., and Roberts P.T. (1998) Analysis of data from the 1995 NARSTO-Northeast Study Volume II: Use of PAMS data to evaluate a regional emission inventory. Report prepared for Coordinating Research Council, Atlanta, GA by Sonoma Technology, Inc., Petaluma, CA under subcontract to ENVIRON International Corp., Novato, CA, STI-95424-1737-FR, March.
- Haste-Funk T.L. and Chinkin L.R. (1999) Analysis of PAMS data in California. Volume II: the use of PAMS data to evaluate regional emission inventories in California. Final report prepared for California Air Resources Board, Sacramento, CA by Sonoma Technology, Inc., Petaluma, CA, STI-998392-1884-FR, May. Also available at <http://capita.wustl.edu/EnhancedOzone/mspost/stivol2.pdf>
- Hastie D.R., Shepson P.B., Reid N., Roussel P.B., and Melo O.T. (1996) Summertime NO_x, NO_y, and ozone at a site in rural Ontario. *Atmos. Environ.* **30**, 2157-2165.
- Henry R.C. (1992) Dealing with near collinearity in chemical mass balance receptor models. *Atmos. Environ.* **26**, 933-938.
- Henry R.C., Lewis C.W., and Collins J.F. (1994) Vehicle-related hydrocarbon source compositions from ambient data: the GRACE/SAFER method. *Environ. Sci. Technol.* **28**, 823-832.

References

- Henry, R. C. (1997) History and fundamentals of multivariate air quality receptor models. *Chemometrics and Intelligent Laboratory Systems*, **37**, 525-530.
- Holland D.M., DeOliveira V., Cox L.H., and Smith R.L. (????) Estimation of regional trends in sulfur dioxide over the eastern United States. Accepted for publication in *Environmetrics*.
- Holland D.M., Principe P.P., and Sickles II, J.E. (1999) Trends in atmospheric sulfur and nitrogen species in the eastern United States for 1989-1995. *Atmos. Env.* **33**, 37-49.
- Holland D.M., Principe P.P., and Vorburger L. (1999) Rural ozone: trends and exceedances at CASTNet sites. *Environ. Sci. Technol.* **33**, 43-48.
- Hudischewskyj A.B. and Douglas S.G. (1997) Classification of ozone episodes for four southern cities according to transport characteristics. Prepared for Southern Company Services, Birmingham, AL by Systems Applications International, Inc., San Rafael, CA, SYSAPP-97/03, March. Also Available at http://capita.wustl.edu/OTAG/Reports/SAI_SCS/O3_4C_TR.html
- Husar R.B., Patterson D., Paley C.C., and Gillani N.V. (1976) Ozone in hazy air masses. In *Proceedings of International Conference on Photochemical Oxidant and its Control, Raleigh, NC, September 12-17*, EPA-600/3-77-001a. Available at <http://capita.wustl.edu/OTAG/reports/o3haze/o3haze.html>
- Husar R.B. (1996) Pattern of 8-hour daily maximum ozone and comparison with the 1-hour standard. Center for Air Pollution Impact and Trend Analysis (CAPITA), St. Louis, MO, September. Available at <http://capita.wustl.edu/OTAG/reports/8hdmx3/dmax8hr.html>
- Husar R.B. (1996) Spatial pattern of daily maximum ozone over the OTAG region. Center for Air Pollution Impact and Trend Analysis (CAPITA), St. Louis, MO, September. Available at <http://capita.wustl.edu/OTAG/reports/otagspat/otagspat.html>
- Husar R.B. (1996) Weekly pattern of ozone over the OTAG region. Center for Air Pollution Impact and Trend Analysis (CAPITA), St. Louis, MO, September. Available at <http://capita.wustl.edu/OTAG/reports/otagweek/otagweek.html>
- Husar R.B. (1997) Seasonal pattern of ozone over the OTAG region. Center for Air Pollution Impact and Trend Analysis (CAPITA), St. Louis, MO, February. Available at <http://capita.wustl.edu/OTAG/reports/otagseas/otagseas.html>

References

- Husar R.B. and Renard W.P. (1997) Ozone as a function of local wind speed and direction: evidence of local and regional transport. Center for Air Pollution Impact and Trend Analysis (CAPITA), St. Louis, MO, July. Available at <http://capita.wustl.edu/OTAG/reports/otagwind/OTAGWIN4.html>
- Jacob D.J., Horowitz L.W., Munger J.W., Heikes B.G., Dickerson R.R., Artz R.S., and Keene W.C. (1995) Seasonal transition from NO_x to hydrocarbon-limited conditions for ozone production over the eastern United States in September. *J. Geophys. Res.* **100**, 9315-9324.
- Johnson G.M. (1984) A simple model for predicting the ozone concentration of ambient air. In Proceedings from the *8th International Clean Air Conference, Melbourne, Australia, May 2*, pp. 715-731.
- Johnson G.M. and Azzi M. (1992) Notes on the derivation: the integrated empirical rate model (V2.2). Report prepared by CSIRO Division of Coal and Energy Technology, North Ryde, NSW, Australia.
- Johnson G.M. and Quigley S.M. (1989) A universal monitor for photochemical smog. Paper no. 89-29.8 presented at the *82nd Air & Waste Management Association Annual Meeting and Exhibition, Anaheim, CA, June 25-30*.
- Kelly T.J., Ward G.F., and Satola J. (1995) A comparison of NO_y and conventional "NO_x" measurements at a rural site in Pennsylvania. Paper presented at the *Air & Waste Management Association and U.S. Environmental Protection Agency Measurement of Toxic and Related Air Pollutants Conference, Research Triangle Park, NC, May 16-19*.
- Kenski D.M. (1997) Receptor modeling for ozone prediction: an evaluation of the Lake Michigan Ozone Study data. Ph.D. Dissertation, University of Illinois, Chicago, IL.
- Kenski D.M., Wadden R.A., Scheff P.A., and Lonneman W.A. (1991) Receptor modeling of VOCs in Chicago, Beaumont, and Detroit. Paper presented at the *84th Air & Waste Management Association Annual Meeting, Vancouver, B.C., June 16-21*.
- Kenski D.M., Wadden R.A., Scheff P.A., and Lonneman W.A. (1992) Receptor modeling of VOCs in Atlanta, Georgia. Paper no. 92-104.06 presented at the *85th Air & Waste Management Association Annual Meeting, Kansas City, MO, June 21-26*.
- Killus J.P. and Moore G.E. (1991) Factor analysis of hydrocarbon species in the south-central coast air basin. *Bull. Am. Meteorol. Soc.*, 733-743.

References

- Koike M., Kondo Y., Kawakami S., Singh H.B., and Ziereis H. (1996) Ratios of reactive nitrogen species over the Pacific during PEm-West A. *J. Geophys. Res.* **101**, 1829-1851.
- Kolaz D.J. and Swinford R.L. (1990) How to remove the influence of meteorology from the Chicago area ozone trend. Presented at the *83rd Air & Waste Management Association Annual Meeting, Pittsburgh, PA, June 24-29*.
- Korc M.E. and Chinkin L.R. (1993) Improvement of the speciation profiles used in the development of the 1991 LMOS emission inventory. Draft final report prepared for the Lake Michigan Air Directors Consortium, Des Plaines, IL, by Sonoma Technology, Inc., Santa Rosa, CA, STI-92324-1394-DFR; December.
- Korc M.E., Roberts P.T., Chinkin L.R., and Main H.H. (1993) Comparison of emission inventory and ambient concentration ratios of NMOC, NO_x and CO in the Lake Michigan Air Quality Region. Final report prepared for Lake Michigan Air Directors Consortium, Des Plaines, IL by Sonoma Technology, Inc., Santa Rosa, CA, October.
- Korc M.E., Jones C.M., Chinkin L.R., Main H.H., Roberts P.T., and Blanchard C. (1995) Use of PAMS data to evaluate the Texas coast emission inventory. Final report prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc., Santa Rosa, CA, Work assignment 2-95, EPA Contract No. 68D30020, STI-94520-1558-FR, December.
- LADCO (1995) Lake Michigan Ozone Study. 1994 data analysis report, version 1.1. Report prepared by Lake Michigan Air Directors Consortium, Des Plaines, IL, May.
- LADCO (1996) Lake Michigan Ozone Study: 1995 data analysis report, version 1.1. Report prepared by Lake Michigan Air Directors Consortium, Des Plaines, MI, April.
- Lewis C.W., Conner T.L., Stevens R.K., Collins J.F., and Henry R.C. (1993) Receptor modeling of volatile hydrocarbons measured in the 1990 Atlanta Ozone Precursor Study. Paper no. 93-TP-58.04 in *Proceedings from the 86th Air & Waste Management Association Annual Meeting, Denver, CO, June 14-18*.
- Lewis C.W., Henry R.C., and Shreffler J.H. (1996) An exploratory look at hydrocarbon data from the enhanced ozone monitoring network. Submitted to the *J. Air & Waste Manag. Assoc.*
- Lewis C.W. (1999) Personal communication.
- Li C.K. and Kamens R.M. (1993) The use of polycyclic aromatic hydrocarbons as source signatures in receptor modeling. *Atmos. Environ.* **27a**, 523-532.

References

- Lin C. and Milford J.B. (1994) Decay-adjusted chemical mass balance receptor modeling for volatile organic compounds. *Atmos. Environ.* **28**, 3261-3276.
- Lindsey C.G., Dye T.S., Blumenthal D.L., Ray S.E., and Arthur M. (1995a) Meteorological aspects of summertime ozone episodes in the Northeast. Paper FA 5.8 presented at the *9th Joint Conference on the Applications of Air Pollution Meteorology at the 76th AMS Annual Meeting, Atlanta, GA, January 28-February 2, 1996*, (STI-1549).
- Lindsey C.G., Dye T.S., Roberts P.T., Anderson J.A., and Ray S.E. (1995b) Meteorological aspects of ozone episodes in southeast Texas. Paper No. 95-WP96.02 presented at the *88th Air & Waste Management Association Annual Meeting, San Antonio, TX, June 18-23*.
- Lindsey C.G., Dye T.S., Main H.H., Korc M.E., Blumenthal D.L., Roberts P.T., Ray S.E., and Arthur M. (1995c) Air quality and meteorological data analyses for the 1994 NARSTO-Northeast Air Quality Study. Draft final report prepared for Electric Power Research Institute, Palo Alto, CA by Sonoma Technology, Inc., Santa Rosa, CA, STI-94362-1511-DFR, July.
- Lu Z. and Fujita E.M. (1995) Volatile organic compound source apportionment for the coastal oxidant assessment for Southeast Texas Study. Final report prepared for Texas Natural Resource Conservation Commission, Austin TX by Desert Research Institute, Reno, NV.
- Lurmann F.W. and Main H.H. (1992) Analysis of the ambient VOC data collected in the Southern California Air Quality Study. Report prepared for California Air Resources Board, Sacramento, CA by Sonoma Technology, Inc., Santa Rosa, CA, STI-99120-1161-FR, Contract No. A823-130, February.
- MacDonald C.P., Roberts P.T., Main H.H., Kumar N., Haste T.L., Chinkin L.R., and Lurmann F.W (1998) Analysis of meteorological and air quality data for North Carolina in support of modeling. Draft final report prepared for North Carolina Department of Environment and Natural Resources, Division of Air Quality, Raleigh, NC by Sonoma Technology, Inc., Petaluma, CA, STI-997420-1818-DFR, October.
- MacDonald C.P., Chinkin L.R., Dye T.S., and Anderson C.B. (1999) Analysis of PAMS data in California. Volume I: the use of PAMS radar profiler and RASS data to understand the meteorological processes that influence air quality in selected regions of California. Final report prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc., Petaluma, CA, STI-998391-1888-FR, May. Also available at <http://capita.wustl.edu/EnhancedOzone/mspost/stivol1.pdf>

References

- Magliano K.L. (1996) Descriptive analysis and reconciliation of emissions and ambient hydrocarbon data. Draft SJVAQS/AUSPEX technical topic team #5 report prepared by California Air Resources Board, Sacramento, CA.
- Main H.H. and Roberts P.T. (1993) Validation and analysis of the Lake Michigan Ozone Study ambient VOC data. Draft final report prepared for Lake Michigan Air Directors Consortium, Des Plaines, IL by Sonoma Technology, Inc., Santa Rosa, CA, STI-90217-1352-DFR, April.
- Main H.H., Chinkin L.R., Haste T.L., Roberts P.T., and Reiss R. (1997) Shasta County ozone and ozone precursor transport quantification study. Final report prepared for the Shasta County Department of Resource Management, Redding, CA, by Sonoma Technology, Inc., Santa Rosa, CA, STI-95180-1714-FR, March.
- Main H.H., Roberts P.T., and Reiss R. (1998) Analysis of photochemical assessment monitoring station (PAMS) data to evaluate a reformulated gasoline (RFG) effect. Final report prepared for U.S. Environmental Protection Agency, Office of Mobile Sources, Washington, DC by Sonoma Technology, Inc., Santa Rosa, CA, STI-997350-1774-FR2, April. Also available at <http://epa.gov/oar/oaqps/pams/rfg-oms.pdf>
- Main H.H., Hurwitt S.B., and Roberts P.T. (1999) Spatial and temporal characteristics of California PAMS and long-term trend site VOC data (1990-1997). Final report prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc., Petaluma, CA, STI-998241-1883-FR, May.
- Main H.H., Alcorn S.H., and Roberts P.T. (1999) Characteristics of volatile organic compounds in the mid-Atlantic region. Final report prepared for MARAMA, Baltimore, MD, by Sonoma Technology, Inc., Petaluma, CA, STI-998484-1869-FR2, November.
- Maryland Department of the Environment (1996) Mid-Atlantic States 1996 PAMS data analysis report. Final draft prepared by the Air and Radiation Management Administration, Baltimore, MD, Available at <http://capita.wustl.edu/EnhancedOzone/Resources/Bibliography/Reports/PAMS/pams96r3.pdf>
- Mid-Atlantic Regional Air Management Association (1998) 1995 ozone atlas for the Mid-Atlantic Region. Available at <http://www.marama.org/atlas/main.html>
- McLaren R., Gertler A.W., Wittorff D.N., Belzer W., Dann T., and Singleton D.L. (1996) Real-world measurements of exhaust and evaporative emissions in the Cassiar Tunnel predicted by chemical mass balance modeling. *Environ. Sci. Technol.* **30**, 3001-3009.

References

- McLaren R., Singleton D.L., Lai J.Y.K., Khouw B., Singer E., Wu Z., and Niki H. (1996) Analysis of motor vehicle sources and their contribution to ambient hydrocarbon distributions at urban sites in Toronto during the Southern Ontario oxidants study. *Atmos. Environ.* **30**(12), 2219-2232.
- McNair L.A., Harley R.A., and Armistead G.R. (1996) Spatial inhomogeneity in pollutant concentrations, and their implications for air quality model evaluation. *Atmos. Environ.* **30**, 4291-4301.
- Michaelsen C., Richardson C., Mullen M., Nichols P., and Johnson A. (1997) The influence of close-range pollution on Maine's air quality during the peak ozone episodes in 1997. Working draft prepared by State of Maine Department of Environmental Protection, Bureau of Air Quality. Available at <http://capita.wustl.edu/NEARDAT/Reports/TechnicalReports/me97o3hc/met974.html>
- Milford J.B., Gao D., Sillman S., Blossey P., and Russell A.G. (1994) Total reactive nitrogen (NO_y) as an indicator of the sensitivity of ozone to reductions in hydrocarbon and NO_x emissions. *J. Geophys. Res.* **99**, 3533-3542.
- Mukund R., Kelly T.J., and Spicer C.W. (1996) Source attribution of ambient air toxic and other VOCs in Columbus, Ohio. *Atmos. Environ.* **30**, 3457-3470.
- National Research Council (1991) *Rethinking the Ozone Problem in Urban and Regional Air Pollution*. National Academy Press, Washington, D.C.
- Nelson P.F. and Quigley S.M. (1983) The m, p-xylenes: ethylbenzene ratio, a technique for estimating hydrocarbon age in ambient atmospheres. *Atmos. Environ.* **17**, 659-662.
- NESCAUM (1993) 1992 regional ozone concentrations in the northeastern United States. Report prepared by the Ambient Monitoring and Assessment Committee and the Data Management Committee of the Northeast States for Coordinated Air Use Management, Boston, MA.
- NESCAUM (1995) Preview of the 1994 ozone precursor concentrations in the northeastern U.S. 5/1/94 draft report prepared by the NESCAUM Ambient Monitoring and Assessment Committee of the Northeast States for Coordinated Air Use Management, Boston, MA. Available at http://capita.wustl.edu/nescaum/Reports/PAMS94/nepams_c.html
- NESCAUM (1998) 1997 Summer ozone season in the NESCAUM region. June. Available at <http://www.nescaum.org/pdf/o3rpt.8a.pdf>

References

- NESCAUM (1998) Executive summary: 8-hr and 1-hr ozone exceedances in the NESCAUM region (1993-1997). September. Available at http://www.nescaum.org/pdf/OzoneExceed_exsum_pdf
- Olszyna K.J., Bailey E.M., Simonaitis R., and Meagher J.F. (1994) O₃ and NO_y relationships at a rural site. *J. Geophys. Res.* **99**, 14557-14563.
- OTAG Air Quality Analysis Workgroup (1996) Areas of violation over the OTAG region. Input to Geographic Scenario Analysis. <http://capita.wustl.edu/OTAG/Reports/areaov/OTAGAOV.HTM>
- OTAG Air Quality Analysis Workgroup (1997) Telling the OTAG ozone story with data. Final Report, Vol. I: Executive Summary. June. Available at http://capita.wustl.edu/OTAG/Reports/AQAFinVol_I/HTML/v1_exsum7.html
- OTAG Air Quality Analysis Workgroup (1997) Final report, Volume II: Summary and integration results. May. Available at http://capita.wustl.edu/OTAG/Reports/AQAFinVol_II/HTML/v2.html
- OTAG Air Quality Analysis Workgroup (1997) Final report, Volume III: Summaries of Individual AQAWG analyses. May. Available at http://capita.wustl.edu/OTAG/Reports/AQAFinVol_III/html/v3.html
- Pace T.G. and Watson J.G. (1987) Protocol for applying and validating the CMB model. Report prepared by Office of Air Quality, Planning and Standards, U.S. Environmental Protection Agency, Research Triangle Park, NC, EPA-450/4-87-010, May.
- PES (1994) Technical support for enhanced air quality modeling analysis for the purpose of the development of the 1994 ozone state implementation plan guidance. Report prepared by Pacific Environmental Services, Inc., January.
- Pierson W.R., Gertler A.W., Robinson N.F., Sagebiel J.C., Zielinska B., Bishop G.A., Stedman D.H., Zweidinger R.B., and Ray W.D. (1996). *Atmos. Environ.* **30**, 2233-2256.
- Pistikopoulos P., Masclet P., Mouvier G. (1990) A receptor model adapted to reactive species: polycyclic aromatic hydrocarbons; evaluation of source contributions in an open urban site - I. particle compounds. *Atmos. Environ.* **24a**, 1189-1197.
- Poirot R. and Wishinski P. (1996) VT DEC air trajectory analysis of long-term ozone climatology. Status report to OTAG Air Quality Analysis Workgroup by VT DEC, August. Available at <http://capita.wustl.edu/otag/Reports/vtdecair/vtdecair.html>

References

- Poirot R. and Wishinski P. (1997) Historical perspective on the climatological potential for “local” pollution episodes. Report prepared for OTAG Air Quality Analysis Workgroup by VT DEC, February. Available at <http://capita.wustl.edu/OTAG/Reports/Holztxt/Holztxt.html>
- Poissant L., Bottemheim J.W., Roussel P., Reid N.W., and Niki H. (1996) Multivariate analysis of 1992 SONTOS data subset. *Atmos. Environ.*, **30(12)**, pp. 2133-2144.
- Porter P.S., Rao S.T., Zurbenko I., Zalewsky E., Henry R.F., and Ku J.Y. (1996) Statistical characteristics of spectrally-decomposed ambient ozone time series data. Final report prepared for the Ozone Transport Assessment Group by the University of Idaho, the State University of New York at Albany and the New York Department of Environmental Conservation, August.
- Rao S.T. and Zurbenko I.G. (1994) Detecting and tracking changes in ozone air quality. *J. Air & Waste Manag. Assoc.* **44**, 1089-1092.
- Rao S.T., Zalewsky E., and Zurbenko I.G. (1995) Determining spatial and temporal variations in ozone air quality. *J. Air & Waste Manag. Assoc.* **45**, 57-61.
- Ray S.E., Korc M.E., Byars M.S., Dye T.S., Lindsey C.G., Haste T.L., and Roberts P.T. (1997) Analysis of nocturnal low-level jets in the Northeastern United States during the summer of 1995. Final report prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc., Santa Rosa, CA, STI-996440-1706-FR, February.
- Roberts P.T. and Main H.H. (1992a) Characterization of three-dimensional air quality during the SCAQS. In Southern California Air Quality Study Data Analysis. *Proceedings from SCAQS Data Analysis Conference, University of California, Los Angeles, CA, July 21-23, Air & Waste Management Association, Pittsburgh, PA, (STI-1223), VIP-26.*
- Roberts P.T., Main H.H., Smith T.B., Lindsey C.G., and Korc M.E. (1992b) Analysis of 3-D air quality data and carbon, nitrogen, and sulfur species distributions during the Southern California Air Quality Study. Final report prepared for the Coordinating Research Council, Atlanta, GA by Sonoma Technology, Inc., Santa Rosa, CA, STI-99100-1213-FR, October.

References

- Roberts P.T., Musarra S., Smith T.B., and Lurmann F.W. (1992c) A study to determine the nature and extent of ozone and ozone precursor transport in selected areas of California. Final report prepared for the California Air Resources Board, Sacramento, CA by Sonoma Technology, Inc., Santa Rosa, CA, STI-90060-1162-FR, December.
- Roberts P.T., Main H.H., Lindsey C.G., and Korc M.E. (1993a) Ozone and particulate matter case study analysis for the Southern California Air Quality Study. Final report prepared for the California Air Resources Board, Sacramento, CA by Sonoma Technology, Inc., Santa Rosa, CA, STI-90020-1222-FR, May.
- Roberts P.T., Main H.H., and Korc M.E. (1993b) Comparison of 3-D air quality data with model sensitivity runs for the South Coast Air Basin. Paper No. 93-WP-69B.05 presented at the *Air & Waste Management Association Regional Photochemical Measurement and Modeling Studies Conference, San Diego, CA, November 8-12*, STI-1244.
- Roberts P.T., Main H.H., Chinkin L.R., Musarra S.F., and Stoeckenius T.E. (1993c) Methods development for quantification of ozone and ozone precursor transport in California. Final report prepared for the California Air Resources Board, Sacramento, CA by Sonoma Technology, Inc., Santa Rosa, CA, STI-90100-1233-FR, July.
- Roberts P.T., Dye T.S., Korc M.E., and Main H.H. (1994) Air quality data analysis for the 1991 Lake Michigan Ozone Study. Final report prepared for Lake Michigan Air Directors Consortium, Des Plaines, IL by Sonoma Technology, Inc., Santa Rosa, CA, STI-92022-1410-FR.
- Roberts P., Korc M., Blumenthal D., and Mueller P.K. (1995a) NARSTO-Northeast 1995 summer ozone study. Version 1. Report prepared for Electric Power Research Institute, Palo Alto, CA by Sonoma Technology, Inc., Santa Rosa, CA, STI-95135-1538-WD1; Research project EPRI WO9108-01.
- Roberts P.T., Roth P.M., Blanchard C.L., Korc M.E., and Lurmann (1995b) Characteristics of VOC-limited and NO_x-limited areas within the Lake Michigan air quality region. Technical memorandum prepared for Lake Michigan Air Directors Consortium, Des Plaines, IL by Sonoma Technology, Inc., Santa Rosa, CA and Envair, Albany, CA, STI-92322-1504-TM, May.
- Roberts P.T., Main H.H., and Yocke M.A. (1996) Operating plan for ozone modeling data collection in El Paso-Ciudad Juarez-Sunland Park. Draft final report prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC under subcontract to SAIC, McLean, VA by Sonoma Technology, Inc., Santa Rosa, CA, STI-95370-1573-DFR, EPA Contract No. 68-D3-0030, Option Year II, Work Assignment No. 11-77, SAIC Project No. 01-1030-07-3823-xxx, March.

References

- Roberts P.T., Funk T.H., MacDonald C.P., Main H.H., and Chinkin L.R. (2000) Weekday/weekend ozone observations in the South Coast air basin: retrospective analysis of ambient and emissions data and refinement of study hypotheses. Report prepared for the National Renewable Energy Laboratory, Golden, CO by Sonoma Technology, Inc., Petaluma, CA, STI-999670-1961-DFR, April.
- Roselle J.S., Pierce T.E., and K.L. Schere (1991) The sensitivity of regional ozone modeling to biogenic hydrocarbons. *J. Geophys. Res.* **96**, 7371-7394.
- Sabo E.J. and Hawes J.T. (1990) User's guide and program documentation for the transported ozone design value model. Report prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC, EPA Contract No. 68-02-4393.
- Sagebiel J.C., Zielinska B., Pierson W.R., and Gertler A.W. (1996) Real-world emissions and calculated reactivities of organic species from motor vehicles. *Atmos. Environ.* **30**, 2287-2296.
- Sather M.E., Kemp M.G., and Yarbrough J.W. (1997) Analysis of 1995 speciated volatile organic compound data in the south central United States. Presented at the *Air and Waste Management Association's 90th Annual Meeting & Exhibition, Toronto, Ontario, Canada, June 8-13*. Available at <http://capita.wustl.edu/EnhancedOzone/Resources/Bibliography/Reports/PAMS/awma97.pdf>
- Sather M.E. and Kemp M.G. (1998) Analysis of ozone precursor data from Baton Rouge, Houston, El Paso, and Dallas. Presented at the *Air and Waste Management Association's 91st Annual Meeting, San Diego, CA, June 14-18*. Available at <http://capita.wustl.edu/EnhancedOzone/Resources/Bibliography/Reports/PAMS/awma98.pdf>
- Sather M.E. and Kemp M.G. (1998) Initial detailed trends and ozone episode analyses of photochemical assessment monitoring stations (PAMS) data from Baton Rouge, Louisiana. Presented at the *Air and Waste Management Association's International Symposium on the Measurement of Toxic and Related Air Pollutants, Cary, NC, September 1-3*. Available at <http://capita.wustl.edu/EnhancedOzone/Resources/Bibliography/Reports/PAMS/toxics98.pdf>
- Schauer J.J., Rogge W.F., Hildemann L.M., Mazurek M.A., Cass G.R., and Simoneit B.R.T. (1996) Source apportionment of airborne particulate matter using organic compounds as tracers. *Atmos. Environ.* **30**, 3837-3855.
- Scheff P.A. and Wadden R.A. (1993) Receptor modeling of volatile organic compounds: 1. Emission inventory and validation. *Environ. Sci. Technol.* **27**, 617-625.

References

- Scheff P.A., Wadden R.A., Kenski D.M., Chung J., and Wolff G. (1996) Receptor model evaluation of the Southeast Michigan Ozone Study ambient NMOC measurements. *J. Air & Waste Manag. Assoc.* **46**, 1048-1057.
- Scheffe R., Blanchard C., Cox B., and Roth P. (1996) Observational based modeling: MAPPER/SPA. Corroborating EBMs prospectively assisting monitoring network design; preliminary eastern U.S. application. Talk presented at the PAMS Data Analysis Workshop, October.
- Schichtel B.A. and Husar R. B. (??) Eastern North America transport climatology during average, high and low ozone days. Available at <http://capita.wustl.edu/CAPITA/CapitaReports/NAMTransClim/html/NamTransClim.html> and at http://capita.wustl.edu/CAPITA/Awma98/HTTP/98_A884.htm
- Schichtel B.A. and Husar R. B. (1997) A graphical explanation of a regional ozone episode. Available at <http://capita.wustl.edu/otag/reports/o3epi95/o3epi95.html>
- Science Applications International Corporation (1997) PAMS data analysis: an investigation of local meteorological effects on ozone during the OTAG 1995 episode and the weekday/weekend differences in the Northeast Corridor. Report prepared for U.S. Environmental Protection Agency, Office of Air Quality, Planning, and Standards, Research Triangle Park, NC by SAI Corporation, Raleigh, NC, EPA-68-D3-0030, September. Available at <http://capita.wustl.edu/otag/reports/pamsinv2/pamsinv2.html>
- Schmidt, M. (1997) Personal communication.
- Seinfeld J.H. (1986) *Atmospheric chemistry and physics of air pollution*. Wiley Interscience Publication, John Wiley and Sons, New York.
- Sigsby J.E., Tejada S., and Ray W. (1987) Volatile organic emissions from 46 in-use passenger cars. *Environ. Sci. Technol.* **21**, 466-475.
- Sillman S. (1995) The use of NO_y, H₂O₂, and HNO₃ as indicators for ozone-NO_x-hydrocarbon sensitivity in urban locations. *J. Geophys. Res.* **100**, 14175-14188.
- Singh H.B. et al. (1996) Reactive nitrogen and ozone over the western Pacific: distribution, partitioning, and sources. *J. Geophys. Res.* **101**, 1793-1808.

References

- Smith B.E. and Adamski W.J. (1996) Long term ozone trends in the Lake Michigan airshed. Paper No. 97-A112 presented at the *Air & Waste Management Association 90th Annual Meeting & Exhibition, Toronto, Ontario, Canada, June 8-13.*
- Stoeckenius T.E., Ligocki M.P., Shepard S.B., and Iwamiya R.K. (1994a) Analysis of PAMS data: application to summer 1993 Houston and Baton Rouge data. Draft report prepared by Systems Applications International, San Rafael, CA, SYSAPP94-94/115d, November.
- Stoeckenius T.E., Ligocki M.P., Cohen B.L., Rosenbaum A.S., and Douglas S.G. (1994b) Recommendations for analysis of PAMS data. Final report prepared by Systems Applications International, San Rafael, CA, SYSAPP94-94/011r1, February.
- Stoeckenius T.E., Yarwood G., Ligocki M.P., Cohen J.P., Shepard S.B., Looker R.E., Fujita E.M., Main H.H., and Roberts P.T. (1995) Feasibility study for a 1995-1996 Southern California air quality monitoring program. Final report prepared for Coordinating Research Council, Atlanta, GA by Systems Applications International, San Rafael, CA, Desert Research Institute, Reno, NV, and Sonoma Technology, Inc., Santa Rosa, CA, SYSAPP94-94/065, January.
- Sudol M. and Winer A.M. (1992) Estimate of biogenic emissions for South Coast Air Basin. Prepared for the California Institute for Energy efficiency by the University of California, Los Angeles, CA. LBL/Energy and Environment Division report MOU-4902710.
- Sudol M. and Winer A. (1994) Written communication: analysis of impact of temperature on vegetative hydrocarbon emissions.
- Systems Applications International, Sonoma Technology Inc., Earth Tech, and Alpine Geophysics (1995) Gulf of Mexico Air Quality Study. Vol 1: Summary of data analysis and modeling. Final report prepared for U.S. Department of the Interior, Minerals Management Service, Gulf of Mexico OCS Region, New Orleans, LA, OCS Study, MMS 95-0038.
- Taha H. (1996) Modeling impacts of increased urban vegetation on ozone air quality in the South Coast Air Basin. *Atmos. Environ.* **30**, 3423-3430.
- Tanner R.L., Minor T., Hatzell J., Jackson J., Rose M.R., Zielinska B. (1992) Emissions data collection and inventory development work element 2: Development of a natural source emissions inventory. Report prepared by Desert Research Institute Energy, Reno, NV and Environmental Engineering Center, DRI final report no. 8303-099.FR1

References

- Tesche T.W., Georgopoulos P., Seinfeld J.H., Cass G., Lurmann F.W., and Roth P.M. (1990) Improvement of procedures for evaluating photochemical models. Draft final report prepared for Research Division, California Air Resources Board, Sacramento, CA by Radian Corporation, Sacramento, CA, Contract No. A832-103, March.
- Tingey D.T., Manning M., Grothaus L.C., and Burns W.F.(1979) The influence of light and temperature on isoprene emission rates from live oak. *Physiol. Plant* **47**, 112-118.
- Tingey D.T., Manning M., Grothaus L.C., and Burns W.F.(1980) The influence of light and temperature on monoterpene emission rates from live oak. *Physiol. Plant* **65**, 797-801.
- Trainer M., Parrish D.D., Buhr M.P., Norton R.B., Fehsenfeld F.C., Anlauf K.G., Bottenheim J.W., Tang Y.Z., Wiebe H.A., Roberts J.M., Tanner R.L., Newman L., Bowersox V.C., Meagher J.F., Olszyna K.J., Rodgers M.O., Wang T., Berresheim H., Demerjian K.L., and Roychowdhury U.K. (1993) Correlation of ozone with NO_y in photochemically aged air. *J. Geophys. Res.* **98**, 2917-2925.
- Tremback C.J. and Lyons W.A. (1993) Trajectory calculation derived from CALRAMS simulations. Report prepared for Lake Michigan Air Directors Consortium, Des Plaines, IL by ASTeR, Inc., Ft. Collins, CO, August.
- U.S. Environmental Protection Agency (1984) Quality assurance handbook for air pollution measurement systems, Volume II: ambient air specific methods (interim edition), EPA/600/R-94/0386, April.
- U.S. Environmental Protection Agency (1987) Procedures for reconciling differences in receptor and dispersion models. Report prepared by U.S. Environmental Protection Agency, Research Triangle Park, NC, EPA 450/4-87-008, May.
- U.S. Environmental Protection Agency (1989) AIRS user's guide, Volume III: AIRS codes and values. Office of Air Quality, Planning and Standards Technical Support Division, Research Triangle Park, NC, June.
- U.S. Environmental Protection Agency (1991) Guideline for regulatory application of the Urban Airshed Model (UAM). Report prepared by U.S. Environmental Protection Agency, Research Triangle Park, NC, EPA 450/4-91-013.
- U.S. Environmental Protection Agency (1994a) Clean air act ozone design value study: a report to Congress. Final report prepared by Office of Air Quality, Planning and Standards, U.S. Environmental Protection Agency, Research Triangle Park, NC, EPA-454/R-94-035, December.
- U.S. Environmental Protection Agency (1994b) Air pollutant emission trends: 1900-1994. Prepared by the Office of Air and Radiation , U.S. Environmental Protection Agency, Research Triangle Park, NC.

References

- U.S. Environmental Protection Agency (1994c) Photochemical assessment monitoring stations implementation manual. Report prepared by Office of Air Quality, Planning and Standards, U.S. Environmental Protection Agency, Research Triangle Park, NC, EPA-454/B-93-051, March.
- U.S. Environmental Protection Agency (1995) Draft guidelines for the quality assurance and management of PAMS upper-air meteorological data.
- U.S. Environmental Protection Agency (1998) Technical assistance document for sampling and analysis of ozone precursors. National Exposure Research Laboratory, Research Triangle Park, NC, EPA/600-R-98/161, September.
- Venkataraman C. and Friedlander S.K. (1994) Source resolution of fine particulate polycyclic aromatic hydrocarbons using a receptor model modified for reactivity. *J. Air & Waste Manag. Assoc.* **44**, 1103-1108.
- White A.B. (1993) Mixing depth detection using 915 MHz radar reflectivity data. In *Preprints, AMS 8th Symposium on Meteorological Observations and Instruments, Anaheim, CA, January 17-22*.
- Wilczak J.M., Strauch R.G., Weber B.L., Merritt D.A., Ralph F.M., Jordan J.R., Wolfe D.E., Lewis L.K., Wuertz D.B., Gaynor J.E., McLaughlin S., Rogers R., Riddle A., and Dye T. (1995) Contamination of wind profiler data by migrating birds: characteristics of corrupted data and potential solutions. *J. of Oceanic and Atmos. Tech.*, **12**, 449-467.
- Wilkinson L. (1990) SYSTAT: The System for Statistics. SYSTAT, Inc., Evanston, IL.
- Winer A.M., Lurmann F.W., Coyner L.A., Colome S.D., and Poe M.P. (1989) Characterization of air pollutant exposures in the California South Coast air basin: application of a new regional human exposure (REHEX) model. Report prepared for the South Coast Air Quality Management District, Diamond Bar, CA by the University of California/Riverside, Riverside, CA, Contract No. TSA 106-01-88.
- Winer A.M., Arey J., Aschmann S.M., Atkinson R., Long W.D., Morrison C.L., and Olszyk D.M. (1992) Emission rates of organics from vegetation in California's central valley. *Atmos. Environ.* **26**, 2647-2659.
- Winer A.M., Chinkin L.R., Arey J., Atkinson R., Adams J., and Karlik J. (1995) Critical evaluation of a biogenic emission system for photochemical grid modeling in California. Final report prepared for the California Air Resources Board, Sacramento, CA by Environmental Science and Engineering Program, Department of Environmental Health Sciences, School of Public Health, University of California, Los Angeles, CA.

References

- Winer A.M., Karlik J., Arey J., Chung Y.J., and Reissell A. (1998) Biogenic hydrocarbon inventories for California: generation of essential databases. Final report prepared for California Air Resources Board, Sacramento, CA by Environmental Science and Engineering Program, School of Public Health, University of California, Los Angeles, CA; Cooperative Extension, University of California, Bakersfield, CA; and Air Pollution Research Center, University of California, Riverside, CA, Contract No. 95-309, September.
- Wishinski P. and Poirot P. (1995) Air trajectory residence time analysis investigation of ozone transport pathways: 1989-95. Summary draft, February. Available at <http://capita.wustl.edu/otag/Reports/Restime/Restime.html>
- Wittig B., Main H.H., Roberts P.T., and Hurwitt S.B. (2000) Analysis of PAMS data in California. Volume III: trends analyses of California PAMS and long-term trend air quality data (1987-1997). Final report prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc., Petaluma, CA, STI-998393-1885-FR, May. Also available at <http://capita.wustl.edu/EnhancedOzone/mspost/stivol3.pdf>
- Wyngaard J.C. and LeMone M.A. (1980) Behavior of the refractive index structure parameter in the entraining convective boundary layer. *J. Atmos. Sci.*, **37**, 1573-1585.
- Yarwood G., Grey H.A., Ligocki M.P., and Whitten G.Z. (1994) Evaluation of ambient species profiles, ambient versus modeled NMHC:NO_x and CO:NO_x ratios, and source receptor analysis. Final report prepared for U.S. Environmental Protection Agency, Office of Mobile Sources, Research Triangle Park, NC, by Systems Applications International, San Rafael, CA, SYSAPP94-94/081, September.
- Yokouchi Y. and Ambe Y. (1984) Factors affecting emission of monoterpene from red pine (*pinus densiflora*). *Plant Physiol.* **75**, 1009-1012.
- Zurbenko I.G., Rao S.T., and Henry R.F. (1995) Mapping ozone in the eastern United States, *Environmental Manager*, **1**, 24-30.