

References (1 of 23)

- Albritton D.L. and Greenbaum D.S. (1998) Atmospheric observations: Helping build the scientific basis for decisions related to airborne particulate matter.
- AMDAS is available at <<http://www.environ.org/amdas>>
- American Petroleum Institute (1998)/ Review of air quality models for particulate matter. Technical Summary, Publication Number 4669, March.
- Ames M.R., Gullu G., Beal J., and Olmez I. (2000) Receptor modeling for elemental source contributions to fine aerosols in New York State. *J. Air & Waste Manag. Assoc.*, **50**, 881-887.
- Anttila P. et al., (1995) Source identification of bulk wet deposition in Finland by positive matrix factorization. *Atmos. Environ.*, **29**, 1705-1718.
- Ayers G.P., Keywood M.D., and Gras J.L. (1999) TEOM vs. manual gravimetric methods for determination of PM_{2.5} aerosol mass concentrations. *Atmos. Environ.* **33**, 3717-3721.
- Baumgardner, Jr. R.E., Isil S.S., Bowser J.J., and Fitzgerald K.M. (1999) Measurements of rural sulfur dioxide and particle sulfate: Analysis of CASTNet data, 1987 through 1996. *J. Air & Waste Manag. Assoc.*, **49**, 1266-1279.
- Blanchard C.L., Carr E.L., Collins J.F., Smith T.B., Lehrman D.E. and Michaels H.M. (1999) Spatial representativeness and scales of transport during the 1995 integrated monitoring study in California's San Joaquin Valley. *Atmos. Environ.*, **33**, 4775-4786.
- Blanchard C.L., Roth P.M., Tanenbaum S.J., Ziman S.D., and Seinfeld J.H. (2000) The use of ambient measurements to identify which precursor species limit aerosol nitrate formation. *J. Air & Waste Manag. Assoc.*, **50**, 2073-2084.
- 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.
- Bruns M.A. , Graham K.J., Scow K.M., and VanCuren T. (1998) Biological markers to characterize potential sources of soil-derived particulate matter. Paper 98-TP43.02 (A994) presented at the *Air & Waste Management Association, 91st Annual Meeting, San Diego, CA, June 14-18*.
- Butler A . J ., Mulholland J . A ., Russell SA . G ., Tolbert P . E ., Wilkinson J . G . (1998) Temporal and Spatial Distributions of Ozone in Atlanta: Regulatory and Epidemiologic Implications. *J. Air & Waste Manag. Assoc.* **48**, 418-426.

References (2 of 23)

- California Air Resources Board (1993) Guidance for using air quality-related indicators in reporting progress in attaining the State Ambient Air Quality Standards. Report prepared for the California Air Resources Board, Sacramento, CA., September.
- California Air Resources Board (1995) Air quality indicators for 1981 to 1993 to report progress in attaining the State ambient air quality standards for ozone, carbon monoxide, and nitrogen dioxide. Report prepared by the California Environmental Protection Agency Air Resources Board, Air Quality Analysis Section, Technical Support Division, Sacramento, CA, September.
- California Air Resources Board (1997) California ambient air quality data: 1980-1996. Prepared by Technical Support Division, Air Quality Data Branch, California Air Resources Board, Sacramento, CA, CD Number: TSD-97-008-CD, December.
- California Air Resources Board (1999) The 1999 California almanac of emissions and air quality. Report prepared by the California Air Resources Board, Planning and Technical Support Division, Sacramento, CA.
- California Regional Particulate Air Quality Study (CRPAQS). Information available at <http://www.arb.ca.gov/airways/crpaqs/default.htm>
- Cass, G.R. (1997) Contribution of vehicle emissions to ambient carbonaceous particulate matter - a review and synthesis of the available data in the South Coast Air Basin. Final report prepared for Coordinating Research Council, CRC Contract Number A-18-1. February.
- Chan Y.C., Simpson R.W., Mctainsh G.H., Vowles P.D., Cohen D.D., and Bailey G.M. (1999) Source apportionment of PM_{2.5} and PM₁₀ aerosols in Brisbane (Australia) by receptor modeling. *Atmos. Environ.* **33**, 3251-3268.
- Cheng M., Gao N., and Hopke P.K. (1996) Source apportionment study of nitrogen species measured in southern California in 1987. *J. Environ. Engin.* **122(3)**, 183-190, March.
- Chow J.C. (1995) Measurement methods to determine compliance with ambient air quality standards for suspended particles. *J. Air Waste Manag. Assoc.*, **45**, 320-382.
- Chow J.C. (1998) Descriptive data analysis methods. Presentation prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Desert Research Institute, Reno, NV, November.

References (3 of 23)

- Chow J.C., Watson J.G., Lowenthal D.H., Egami R.T., Frazier C.A., Pritchett L.C., Neuroth G.A., and Guyton J. (1991) Source apportionment of PM_{2.5} in Phoenix, Arizona. Paper 91-52.1 presented at the *Air & Waste Management Association, 84th Annual Meeting, Vancouver, B.C., June.*
- Chow J.C., Watson J.G., Lu Z., Lowenthal D.H., Frazier C.A., Solomon P.A., Thuillier R.H., and Magliano K. (1996) Descriptive analysis of PM_{2.5} and PM₁₀ at regionally representative locations during SJVAQS/AUSPEX. *Atmos. Environ.*, **30(12)**, 2079-2112.
- Chow J.C. and Watson J.G. (1997) Guideline on speciated particulate monitoring. Report prepared by Desert Research Institute and available at <<http://www.epa.gov/ttn/amtic/files/ambient/pm25/spec/drispec.pdf>>
- Chow J.C. and Watson J.G. (1998) Guideline on speciated particulate monitoring. Draft report 3 prepared for the U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, by Desert Research Institute, Reno, NV, August.
- Chow J.C., Watson J.G., Lowenthal D.H., Egami R.T., Solomon P.A., Thuillier R.H., Magliano K., and Ranzieri A. (1998) Spatial and temporal variations of particulate precursor gases and photochemical reaction products during SJVAQS/AUSPEX ozone episodes. *Atmos. Environ.* **32(16)**, 2835-2844.
- Chow J.C., Watson J.G., Green M.C., Lowenthal D.H., DuBois D.W., Kohl S.D., Egami R.T., Gillies J., Rogers C.F., Frazier C.A., and Cates W. (1999) Middle- and neighborhood-scale variations of PM₁₀ source contributions in Las Vegas, Nevada. *J. Air Waste Manag. Assoc.* **49**, 641-654.
- Christoforou C.S., Salmon L.G., Hannigan M.P., Solomon P.A., and Cass G.R. (2000) Trends in fine particle concentration and chemical composition in southern California. *J. Air & Waste Manag. Assoc.*, **50**, 43-53.
- Chu S. and W. Cox (1998) Relationship of PM fine to ozone and meteorology. Paper 98-RA90A.03 presented at the *Air & Waste Management Association's 91st Annual Meeting & Exhibition, San Diego, CA, June 14-18.*
- Chuersuwan N., Turpin B.J., and Pietarinen C. (2000) Evaluation of time-resolved PM_{2.5} data in urban/surbaban areas of New Jersey. *J. Air & Waste Manag. Assoc.* **50**, 1780-1789.
- Claiborn D.S., Finn D., Larson T.V., Koenig J.Q. (2000) Windblown dust contributes to high PM_{2.5} concentrations. *J. Air & Waste Manag. Assoc.* **50**, 1440-1445.

References (4 of 23)

- Cleveland W. S. (1994) *The Elements of Graphing Data*. Published by Hobart Press, Summit, New Jersey.
- Cohanim S., Cassmassi J., and Bassett M. (1998) Ozone trends in California's South Coast Air Basin, 1976-1996. Presented at the *Air & Waste Management Association's 91st Annual Meeting & Exhibition, San Diego, June 14-18*.
- Conner T.L., Miller J.L., Willis R.D., Kellog R.B., and Dann T.F. (1993) Source apportionment of fine and coarse particles in southern Ontario, Canada. *Proceedings of the Air & Waste Management Association, 86th Annual Meeting, Denver, CO, June 13-18*.
- Cooper J.A., Miller E.A., Redline D.C., Caldwell R.L., Sarver R.H., and Tansey B.L. (1989) PM₁₀ Source Apportionment of Utah Valley winter episodes before, during and after closure of the West Orem Steel Plant. 54pp. and 11 appendices.
- Cox W.M. and Chu S.H. (1993) Meteorologically adjusted ozone trends in urban areas: a probabilistic approach. *Atmos. Environ.* **27B**, 425-434.
- Cox W.M. and Chu S.H. (1996) Assessment of interannual ozone variation in urban areas from a climatological perspective. *Atmos. Environ.* **30**, 2615-2625.
- 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/EnhancedOzone/Resources/Bibliography/Reports/PAMS/o3trends.pdf>>, October.
- Davidson A. (1993) Update on ozone trends in California's South Coast Air Basin. *J. Air & Waste Manag. Assoc.* **43**, 226-227.
- 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. Prepared for Southeast Modeling Center by Systems Applications International, Inc., San Rafael, CA, SYSAPP-96/50, October.
- Dolislager L.J. and Motallebi N. (1998) Spatial and temporal variations in ambient PM_{2.5} and PM₁₀ in California. Paper in the proceedings of the *Air & Waste Management Association's Specialty Conference on PM_{2.5}: a fine particle standard*, Chow J. and Koutrakis P., Eds., pp. 108-167, January.
- Dzubay T.G., Stevens R.K., Gordon G.E., Olmez, I., Sheffield A.E., and Courtney W. (1988) A composite receptor method applied to Philadelphia aerosol. *Environ. Sci. Technol.* **22**, 46-52.

References (5 of 23)

- Eatough D.J., Farber R.J., and Watson J.G. (2000) Second generation chemical mass balance source apportionment of sulfur oxides and sulfate at the Grand Canyon during the Project Mohave Summer Intensive. *J. Air & Waste Manag. Assoc.*, **50**, 759-774.
- EC/R Inc. (1999) Evaluation of source apportionment methods: source apportionment study literature review. Prepared for U.S. Environmental Protection Agency, Contract No. 68-D-98-006, Work Assignment No. 2-4, EC/R Project No. EAM-204, March.
- Edgerton S.A., Bian X., Doran J.C., Fast J.D., Hubbe J.M., Malone E.L., Shaw W.J., Whiteman C.D., Zhong S., Arriaga J.L., Ortiz E., Ruis M., Sosa G., Vega E., Limón T., Guzman F., Archuleta J., Bossert J.E., Elliot S.M., Lee J.T., McNair L.A., Chow J.C., Watson J.G., Coulter R.L., Doskey P.V., Gaffney J.S., Marley N.A., Neff W., and Petty R. (1999) Particulate air pollution in Mexico City: a collaborative research project. *J. Air & Waste Manag. Assoc.*, **49**, 1221-1229.
- Eldred, R.A. (1997) Regional patterns of fine carbonaceous particle concentrations at remote sites throughout the United States. *Air & Waste Management Association -AGU Specialty Conference on Visual Air Quality: Aerosols and Global Radiation Balance*, Air & Waste Management Association, Pittsburgh, PA.
- Eldred R. A. and Cahill T.A. (1994) Trends in elemental concentrations of fine particles at remote sites in the United States of America. *Atmos. Environ.* **28** , 1009-1019.
- Eldred R.A., Feeney P.J., and Wakabayashi P.K. (1998) The major components of PM_{2.5} at remote sites across the United States. Paper in the proceedings of the *Air & Waste Management Association's Specialty Conference on PM_{2.5} : a fine particle standard*, Chow J. and Koutrakis P., Eds., pp. 13-27, January.
- Emery C. and T. Stoeckenius (1999) Data analysis and modeling support for siting of ambient particulate matter monitors in Phoenix, Arizona. Final report prepared for Arizona Department of Environmental Quality, Tucson, AZ by ENVIRON, Novato, CA. February. Paper available at
<<http://capita.wustl.edu/pmfine/reports/PMmonitorSiting/PMMonitoringSiteDocLink.htm>>
- Falke S. (1999) PM_{2.5} topic summaries available at:
<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/UrbanSpatialPattern/sld001.htm>
<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/NationalSpatialPattern/sld001.htm>

References (6 of 23)

- Falke S. (1999) Draft PM_{2.5} topic summary available at
<<http://capita.wustl.edu/PMFine/Workgroup/Status&Trends/Reports/In-progress/PM25Maps/PM25Maps/sld001.htm>>
- Falke S. (2000) Seasonal haze trends 1948-1994. Available at
<<http://capita.wustl.edu/StLSuperSite/images/StlHazeTrend.htm>> (last accessed 10/17/00).
- Farber R.J., Murray L.C., and Moran W.A. (2000) Exploring spatial patterns of particulate sulfur and OMH from the Project MOHAVE Summer Intensive regional network using analyses of variance techniques and meteorological parameters as sort determinants. *J. Air & Waste Manag. Assoc.*, **50**, 724-732.
- Federal Register 40 CFR Part 51. Regional Haze Regulations; Final Rule. July 1, 1999.
- Fitz D.R. and Bumiller K. (2000) Evaluation of watering to control dust in high winds. *J. Air & Waste Manag. Assoc.*, **50**, 570-577.
- Fitz-Simmons T. (1999) How to calculate the particulate NAAQS. Paper presented at the *National AIRS conference, San Francisco, May*.
- 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.
- Fraser M.P., Cass G.R., and Simoneit B.R.T. (1999) Particulate organic compounds emitted from motor vehicle exhaust and in the urban atmosphere. *Atmos. Environ.* **33**, 2715-2724.
- Frechtel P., Eberly S., and Cox W.M. (1999) Trends analysis using the IMPROVE database. Web page for Center for Air Pollution Impact and Trend Analysis (CAPITA), Washington University, St. Louis, MO,
<<http://capita.wustl.edu/PMFine/Workgroup/Status%26Trends/Reports/Completed/longtermimprove/longtermimprove.html>>.
- Frechtel P., Eberly S., Cox W. (1999) PM-Fine Trends at Long-Term IMPROVE Sites. Paper available at
<<http://capita.wustl.edu/PMFine/reports/WashingtonPMf/WASHPMF.pdf>>. Last accessed 02/01/01.
- Friedlander S.K. (1973) Chemical element balances and identification of air pollution sources. *Environ. Sci. Technol.*, **7**, 235-240.

References (7 of 23)

- Friedlander S.K. (1977) *Smoke, Dust, and Haze: Fundamentals of Aerosol Behavior*. John Wiley and Sons, New York.
- Fujita E.M. (1998) Hydrocarbon source apportionment for the 1996 Paso Del Norte ozone study.. Prepared for U.S. Environmental Protection Agency, Dallas, TX by Energy and Environment Engineering Center, Desert Research Institute, Reno, NV, EPA contract 68-D3-0030, work assignment III-130.
- Fujita E.M. (1998) MAG Brown Cloud Study Source Attribution of PM_{2.5}. Final report prepared by Desert Research Institute for Maricopa Association of Governments, Phoenix, AZ. December.
- 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.
- 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.
- Garg B.D., Cadle S.H., Mulawa P.A., Groblicki P.J., Laroo C., and Parr G.A. (2000) Brake wear particulate matter emissions. *Environ. Sci. & Technol.* **34(21)**, 4463-4469.
- Gebhart K.A., Malm W.C., and Flores M. (2000) A preliminary look at source-receptor relationships in the Texas-Mexico border area. *J. Air & Waste Manag. Assoc.* **50**, 858-868.
- Gigliotti C.L., Dachs J., Nelson E.D., Brunciak P.A., and Eisenreich S.J. (2000) Polycyclic aromatic hydrocarbons in the New Jersey coastal atmosphere. *Environ. Sci. & Technol.* **34(17)**, 3547-3554.
- Gillies J.A. and Gertler A.W. (2000) Comparison and evaluation of chemically speciated mobile source PM_{2.5} particulate matter profiles. *J. Air & Waste Manag. Assoc.* **50**, 1459-1480.
- Gofa F., Gertler A.W., Jennison B., and Goodrich A. (1998) Truckee Meadows PM and VOC apportionment study: Winter 1997. Paper 98-RA89.02 presented at the *Air & Waste Management Association* 91st Annual Meeting, San Diego, CA, June 14-18.
- Gordon, G.E. (1988) Receptor models. *Environ. Sci. & Technol.* **22(10)**, 1132-1142.
- Graham J. (1999) Draft PM_{2.5} topic summary available at
<<http://capita.wustl.edu/PMFine/Workgroup/Status&Trends/Reports/In-progress/surfup/index.htm>>

References (8 of 23)

- Grand Canyon Visibility Transport Commission Public Advisory Committee (1996) Proposed recommendations. May. Approved by the Commissioners at the Grand Canyon, June 10. Available at <<http://www.nmia.com/gcvtc/final.html>>
- Green M.C. and Tombach I. (2000) Use of Project MOHAVE perfluorocarbon tracer data to evaluate source and receptor models. *J. Air & Waste Manag. Assoc.*, **50**, 717-723.
- Guthrie P.D., Gao D., and Mansell G.E. (1998) Evaluation of the performance of the REMSAD modeling system for fine particles and deposition. Final report prepared for the U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, by Systems Applications International, Inc., SYSAPP-98/24, June.
- Haste T.L., Chinkin L.R., Kumar N., Lurmann F.W., and Hurwitt S.B. (1998) Use of ambient data collected during IMS95 to evaluate a regional emission inventory for the San Joaquin Valley. Final report prepared for the San Joaquin Valleywide Air Pollution Study Agency, c/o the California Air Resources Board, Sacramento, CA by Sonoma Technology, Inc., Petaluma, CA, STI-997211-1800-FR, July.
- Henry R.C. (unknown) Apportionment of Project MOHAVE fine particle sulfur from the summer intensive. Prepared for the National Park Service Air Quality Research Branch.
- Henry R.C. (1992) Dealing with near collinearity in chemical mass balance receptor models. *Atmos. Environ.* **26**, 933-938.
- Henry R. C. (1997) History and fundamentals of multivariate air quality receptor models, *Chemometrics and Intelligent Laboratory Systems*, **37**, 525-530.
- Hering S. and Cass G. (1999) The magnitude of bias in the measurement of PM_{2.5} arising from volatilization of particulate nitrate from Teflon filters. *J. Air & Waste Manag. Assoc.*, **49**, 725-733.
- Hidy G.M., Hales J.M., Roth P.M., and Scheffe R. (2000) Fine particles and oxidant pollution: developing an agenda for cooperative research. *J. Air & Waste Manag. Assoc.*, **50**, 613-632.
- Holland D.M., Principe P.P., and Vorburger L. (1999) Rural ozone: trends and exceedances at CASTNet sites. *Environ. Sci. Technol.* **33**, 43-48.
- Homolya J.B., Rice J., and Scheffe R.D. (1998) PM_{2.5} speciation - objectives, requirements, and approach. Presentation. September.
- Huang S., Rahn K.A., and Arimoto R. (1999) Testing and optimizing two factor-analysis techniques on aerosol at Narragansett, Rhode Island. *Atmos. Environ.*, **33**, 2169-2185.

References (9 of 23)

Hughes L.S., Allen J.O., Kleeman M.J., Johnson R.J., Cass G. R., Gross D.S., Gard E.E., Galli M.E., Morrical G.D., Fergenson D.P., Dienes T., Noble C.A., Liu D.-Y., Silva P.J., and Prather K.A. (1999) Size and composition distribution of atmospheric particles in southern California. *Environ. Sci. Technol.*, **33**, 3506-3515.

Husar, R. (1999) Draft PM_{2.5} topic summaries available at

<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/PMDefinitions/sld001.htm>

<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/PMProperties/sld001.htm>

<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/Pm25Formation/sld001.htm>

<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/PMTransport/sld001.htm>

<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/PMOrigin/sld001.htm>

<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/PM10PM25Relationship/sld001.htm>

<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/PMAAnalysis/sld001.htm>

<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/Pm25TransportROI/sld001.htm>

<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/DiurnalPattern/sld001.htm>

<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/WeeklyPattern/sld001.htm>

<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/PMGlobalContPattern/sld001.htm>

<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/NaturalEvents/sld001.htm>

Husar R.B., Elkins J. B., and Wilson W.E. (undated) U.S. visibility trends, 1960-1992. Available at

<<http://capita.wustl.edu/CAPITA/CapitaReports/USVisiTrend/usvstrd0.html>> (last accessed 10/17/00).

Husar R. and S. Falke (1996) The relationship between aerosol light scattering and fine mass. Available at

<<http://capita.wustl.edu/CAPITA/CapitaReports/BScatFMRelation/BSCATFM.html>> (last accessed 10/17/00).

Husar R.B. and Renard W.P. (1997) Ozone as a function of local wind speed and direction: evidence of local and regional transport. Web page for Center for Air Pollution Impact and Trend Analysis (CAPITA), Washington University, St. Louis, MO, <<http://capita.wustl.edu/OTAG/reports/otagwind/OTAGWIN4.html>>, July.

IMPROVE Newsletter (1996) Available at <<http://www.aqd.nps.gov/ard/vis/imprnl/impr34.htm>> (last accessed 11/3/00).

Iyer H., Patterson P., and Malm W.C. (2000) Trends in extremes of sulfur concentration distributions. *J. Air & Waste Manag. Assoc.* **50**, 802-808.

References (10 of 23)

- Johnson N.L. (1979) A comparison of the two-parameter Weibull and lognormal distributions fitted to ambient ozone data. In *Proceedings of the Specialty Conference on Quality Assurance in Air Pollution Measurement, New Orleans, LA*.
- Juntto S. and Paatero P. (1994) Analysis of daily precipitation data by positive matrix factorization. *Environmetrics*, **5**, 127-144.
- Kaduwela A.P., Hughes V.M., Hackney R.J., Jackson B.J., Magliano K.L., and Ranzieri A.J. (1998) Particulate matter formation in the San Joaquin Valley: modeling of a winter episode. Paper 98-WA58.03 presented at the *Air & Waste Management Association's 91st annual meeting, San Diego, June*.
- 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.
- Kim B.M., Lester J., Tisopulos L., and Zeldin M. (1998) Speciated linear rollback model as a tool in assessing PM_{2.5} precursor control effectiveness. Paper 98-WA58.01 presented at *Air & Waste Management Association's Annual Conference, San Diego, CA, June*.
- Kim B.M. and Henry R.C. (1999) Diagnostics for determining influential species in the chemical mass balance receptor model. *J. Air & Waste Manag. Assoc.*, **49**, 1449-1455.
- Kleeman M.J., Hughes L.S., Allen J.O. and Cass G.R. (1999) Source contributions to the size and composition distribution of atmospheric particles: Southern California in September 1996. *Environ. Sci. Technol.*, **33**, 4331-4341.
- Kleeman M.J., Schauer J.J., and Cass G.R. (1999) Size and composition distribution of fine particulate matter emitted from wood burning, meat charbroiling, and cigarettes. *Environ. Sci. Technol.*, **33**, 3516-3523.
- Kleeman M.J., Schauer J.J., and Cass G.R. (2000) Size and composition distribution of fine particulate matter emitted from motor vehicles. *Environ. Sci. Technol.*, **34**, 1132-1142.
- Kuhns H., Green M., Pitchford M., Vasconcelos L., White W., and Mirabella V. (1999) Attribution of particulate sulfur in the Grand Canyon to specific point sources using Tracer-Aerosol Gradient Interpretive Technique (TAGIT). *J. Air & Waste Manag. Assoc.*, **49**, 906-915.
- Kumar N. and Lurmann F.W. (1996) User's guide to the speciated rollback model for particulate matter. Report prepared for San Joaquin Valleywide Air Pollution Study Agency, Sacramento, CA by Sonoma Technology, Inc., Santa Rosa, CA, STI-94250-1576-UG, September.

References (11 of 23)

- Kumar N., Lurmann F.W., and Chico T. (1998) Modeling the effects of emission changes on PM_{2.5} using the UAM-AERO model in the South Coast Air Basin. Proceedings from the *Air & Waste Management Association's Specialty Conference PM_{2.5}: A fine particle standard*, Chow J. and Koutrakis P., Eds., pp. 737-747, January.
- Lai C.-Y. and Chen C.-C. (2000) Performance characteristics of PM₁₀ samplers under calm air conditions. *J. Air & Waste Manag. Assoc.* **50**, 578-587.
- Larsen L.C., Bradley R.A., and Honcoop G.L. (1990) A new method of characterizing the variability of air quality-related indicators. Presented at the *Air & Waste Management Association's International Specialty Conference on Tropospheric Ozone and the Environment, Los Angeles, CA, March 19-22*.
- Lee E., Chan C.K., and Paatero P. (1999) Application of positive matrix factorization in source apportionment of particulate pollutants in Hong Kong. *Atmos. Environ.* **33**, 3201-3212.
- Lighty J.S., Veranth J.M., and Sarofim A.F. (2000) Combustion aerosols: factors governing their size and composition and implications to human health. *J. Air & Waste Manag. Assoc.*, **50**, 1565-1618.
- Lim L.H., Harrison R.M., and Harrad S. (1999) The contribution of traffic to atmospheric concentrations of polycyclic aromatic hydrocarbons. *Environ. Sci. Technol.* **33**, 3538-3542.
- Lin J., Scheff P.A., and Wadden R.A. (1993) Development of a two-phase receptor model for VOC and PM₁₀ air pollution sources in Chicago. Paper 93-A487 presented at the *Air & Waste Management Association's 86th Annual Meeting, Denver, June*.
- Liu D.-Y., Prather K.A., and Hering S.V. (2000) Variations in the size and chemical composition of nitrate-containing particles in Riverside, CA. *Aerosol Sci. and Technology*, **33**, 71-86.
- Lurmann F.W., Kumar N., Loomis C., Cass G.R., Seinfeld J.H., Lowenthal D., and Reynolds S.D. (1996) PM-10 air quality models for application in the San Joaquin Valley PM-10 SIP. Final report prepared for San Joaquin Valleywide Air Pollution Study Agency, Sacramento, CA by Sonoma Technology, Inc., Santa Rosa, CA, STI-94250-1595-FR, ARB Contract No. 94-1PM, September.
- Madsen K., Copeland B., and Crotty M. (unknown) An exploratory analysis of the relationships among fine and coarse particulate matter and ozone and meteorological variables in North Carolina. Prepared for North Carolina Department of Environment and Natural Resources by students of ST 495: Environmental Statistics Practicum, William F. Hunt, Jr., Faculty Advisor.

References (12 of 23)

- Main H.H., Roberts P.T., and Ligocki M.P. (1995) Assessing the usefulness of VOC data as indicators of change in fuel composition in the South Coast Air Basin (California). Paper No. 95-FA113C.02 presented at the *Air & Waste Management Association 88th Annual Meeting, San Antonio, TX, June 18-23*, (STI-1501).
- 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. Report prepared for the U.S. Environmental Protection Agency, Office of Mobile Sources, Fuels and Energy Division, Washington, DC by Sonoma Technology, Inc., Santa Rosa, CA, STI-997350-1774-FR2, April. Available online at <http://www.epa.gov/oar/oaqps/pams/rfg_oms.pdf>
- Main H.H., Chinkin L.R., and Roberts P.T. (1998) PAMS data analysis workshops: illustrating the use of PAMS data to support ozone control programs. Web page prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc., Petaluma, CA, <<http://www.epa.gov/oar/oaqps/pams/analysis>> STI-997280-1824, June.
- 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). Report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc., Petaluma, CA, STI-998241-1883-FR, May.
- Malm W.C. (1999) Introduction to visibility. Available at <http://www2.nature.nps.gov/ard/vis/intro_to_visibility.pdf> (last accessed October 2, 2000).
- Malm W.C., Sisler J.F., Huffman D., Eldred R.A., and Cahill T.A. (1994) Spatial and seasonal trends in particle concentration and optical extinction in the United States. *J. Geophys. Res.*, **99(D1)**, 1347-1370.
- Map of National Park Service Class I areas available at <<http://www2.nature.nps.gov/ard/parks/npsimage.html>> (last accessed 11/3/00).
- Maykut N., Knowle K., Larson T.V. (1998) Seattle PM_{2.5} characterization studies. Draft report prepared by Puget Sound Air Pollution Control Agency, Seattle, WA 98101
- McDade C., Tombach I., Seigneur C., Mueller P.K., and Saxena P. (2000) Study of the relationship of distant SO₂ emissions to Dallas-Fort Worth winter haze. *J. Air & Waste Manag. Assoc.* **50**, 826-834.
- McKendry I.G. (2000) PM₁₀ levels in the lower Fraser Valley, British Columbia, Canada: an overview of spatiotemporal variations and meteorological controls. *J. Air & Waste Manag. Assoc.*, **50**, 443-452.

References (13 of 23)

- Meyer N. (1999) Guidance for demonstrating attainment of PM_{2.5} NAAQS and reasonable progress reducing regional haze, a discussion of preliminary ideas and concerns. Presented at the SAS workgroup, May.
- Mignacca D. and Stubbs K. (1999) Effects of equilibration temperature on PM₁₀ concentrations from the TEOM method in the lower Fraser Valley. *J. Air & Waste Manag. Assoc.* **49**, 1250-1254.
- Milanchus M.L., Rao S.T., and Zurbenko I.G. (1997) Discerning changes in anthropogenic ozone in the presence of meteorological fluctuations. *Environ. Man. J.* 17-21.
- Milanchus M.L., Rao S.T., and Zurbenko I.G. (1998) Evaluating the effectiveness of ozone management efforts in the presence of meteorological variability. *J. Air & Waste Manag. Assoc.* **48**, 201-215.
- Miller M.S., Friedlander S.K., and G.M. Hidy (1972) A chemical element balance for the Pasadena aerosol. *J. Colloid Interface Sci.*, **39(1)**, 165-176.
- Mirabella V.A. and Farber R.J. (2000) Relating summer ambient particulate sulfur, sulfur dioxide, and light scattering to gaseous tracer emissions from the MOHAVE Power Project. *J. Air & Waste Manag. Assoc.*, **50**, 746-755.
- National Park Service Air Quality Public Service Awareness Program at <<http://www2.nature.nps.gov/ard/pubedhp.html>> (last accessed October 2, 2000).
- National Research Council (1993) *Protecting visibility in national parks and wilderness areas*. Committee on Haze in National Parks and Wilderness Areas, Board on Environmental Studies and Toxicology, Commission on Geosciences, Environment, and Resources. National Academy Press, Washington, D.C.
- NESCAUM (1992) 1992 Regional ozone - ozone versus particulate matter. Report available at <<http://capita.wustl.edu/neardat/reports/TechnicalReports/NEozone92/avoz1921.html>>
- NESCAUM (1992) 1992 Regional ozone concentrations in the Northeastern United States. Paper available at <<http://capita.wustl.edu/neardat/reports/TechnicalReports/NEozone92/avoztitl.html>>
- Neusüss C., Pelzing M., Plewka A., and Herrmann H. (2000) A new analytical approach for size-resolved speciation of organic compounds in atmospheric aerosol particles: methods and first results. *J. Geophys. Res.*, **105(D4)**, 4513-4527.
- Nichols M.D. (1996) *Areas Affected by PM-10 Natural Events*, Memorandum from the Assistant Administrator for Air and Radiation, to EPA Regional Office Air Program Directors, May 30. Available at <<http://www.epa.gov/ttn/caaa/t1/memoranda/nepol.pdf>>.

References (14 of 23)

- North American Front Range Air Quality Study reports and data available at <<http://www.nfraqs.colostate.edu/index2.html>>
- Paatero P. (1997) Least squares formulation of robust non-negative factor analysis. *Chemometrics and Intelligent Laboratory Systems*, **18**, 183-194.
- Paatero P. and Tapper U. (1993) Analysis of different modes of factor analysis as least squares fit problems. *Chemometrics and Intelligent Laboratory Systems*, **37**, 23-35.
- Paatero P. and Tapper U. (1994) Positive matrix factorization: a non-negative factor model with optimal utilization of error estimates of data values. *Environmetrics*, 5, pp. 111-126.
- 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.
- Pace T.G. and Kuykendal W.B. (1997) Planning tools for PM_{2.5} emission factors and inventories. Paper 98-RA90A.05 presented at the *AWMA 90th Annual Meeting & Exhibition*, June.
- Pai P., Vijayaraghavan K., Seigneur C., Hegarty J., Leidner M., and Louis J. (1998) Particulate matter modeling in the Los Angeles basin using MM5 and SAQM-AERO - preliminary results. Proceedings from the *Air & Waste Management Association's Specialty Conference PM_{2.5}: A fine particle standard*, Chow J. and Koutrakis P., Eds., pp. 748-758, January.
- Paterson K.G., Sagady J.L., Hooper D.L., Bertman S.B., Carroll M.A., and Shepson P.B. (1999) Analysis of air quality data using positive matrix factorization. *Environ. Sci. Technol.*, **33**, 635-641.
- Patterson P., Iyer H., Sisler J., and Malm W.C. (2000) An analysis of the yearly changes in sulfur concentrations at various national parks in the United States, 1980-1996. *J. Air & Waste Manag. Assoc.* **50**, 790-801.
- Perry K.D., Cahill T.A., Schnell R.C., and Harris J.M. (1999) Long-range transport of anthropogenic aerosols to the National Oceanic and Atmospheric Administration baseline station at Mauna Loa Observatory, Hawaii. *J. Geophys. Res.*, **104(D15)**, 18,521-18,533.
- 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.

References (15 of 23)

- Pitchford M., Green M., Kuhns H., and Farber R.J. (2000) Characterization of regional transport and dispersion using Project MOHAVE tracer data. *J. Air & Waste Manag. Assoc.*, **50**, 733-745.
- Poirot R. (1998) Air mass history pollution climatology for Northeastern forests and parks. Status report available at <http://capita.wustl.edu/NEARDAT/Reports/TechnicalReports/ForestSer_TrajProp/fstrjsum.htm>
- Poirot R. (1998) Tracers of opportunity: Potassium. Draft report available at <<http://capita.wustl.edu/PMFine/Workgroup/SourceAttribution/Reports/In-progress/potass/Kcover.htm>>.
- Poirot R. (1999) Draft PM_{2.5} topic summary available at <http://capita.wustl.edu/PMFine/Workbook/PMTopics_PPT/PMAnalysisByStates/sld001.htm>
- Poirot R. (1999) Personal communication and information available at <<http://capita.wustl.edu/neardat/activities/July99/July99.htm>>
- Poirot R. and Michaelsen C. (1999) Toward a more efficient transboundary exchange of air quality data. PowerPoint presentation available at <<http://capita.wustl.edu/otag/Reports/USCAN/Uscanflo1/sld001.htm>>
- Poirot R., A. Leston, and C. Michaelsen (1999) August 1995 forest fire impacts in New England and Atlantic Canada. Report available at <<http://capita.wustl.edu/NEARDAT/Reports/TechnicalReports/smoke895/895smoke.htm>>
- Poirot R., P. Wishinski, B. Schichtel, and P. Girton (1998) Air trajectory pollution climatology for the Lake Champlain Basin. Draft paper presented at *1998 symposium of the Lake Champlain Research Consortium*. Available at <<http://capita.wustl.edu/neardat/Reports/TechnicalReports/lakchamp/lchmpair.htm>>
- 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)**, 2133-2144.
- Polissar A.V., Hopke P.K., Paatero P., Malm W.C., and Sisler J.F. (1998) Atmospheric aerosol over Alaska 2. Elemental composition and sources. *J. Geophysical Research*, **103(15)**, 19045-19057.
- 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.

References (16 of 23)

- Prospero J.M. (1999) Long-term measurements of the transport of African mineral dust to the northeastern United States: Implications for regional air quality. *J. Geophys. Res.*, **104(D13)**, 15917-15927.
- Purvis C.R., McCrillis R.C., and Kariher P.H. (2000) Fine particulate matter (PM) and organic speciation of fireplace emissions. *Environ. Sci. Technol.*, **34**, 1653-1658.
- Ramadan Z., Song X.-H., and Hopke P.K. (2000) Identification of sources of Phoenix aerosol by positive matrix factorization. *J. Air & Waste Manag. Assoc.*, **50**, 1308-1320
- 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.
- Reactivity Research Work Group Policy Team (1999) VOC Reactivity Policy White Paper. Prepared for the Reactivity Research Work Group, October.
- Research Triangle Institute (2000) Data validation process for the PM_{2.5} Chemical Speciation Network. Draft report prepared for the U.S. Environmental Protection Agency. RTI/07565/12-01F. July.
- Richards L.W. (1984) Suggested units for quantities related to visibility in the atmosphere. *J. Air Pollut. Control Assoc.* **34**, 378-379.
- Richards L.W. (1988) Sight path measurements for visibility monitoring and research. *J. Air Pollut Control Assoc.* **38**, 784-791.
- Richards L.W. (1997) Use of the deciview haze index as an indicator of regional haze. *J. Air & Waste Manag. Assoc.*, **49**, 1230-1237 (STI 1758).
- Richards L.W., Bergstrom R.W., and Ackerman T.P. (1986) The optical effects of fine?particle carbon on urban atmospheres. *Atmos. Environ.* **20**, 387-396.
- Richards L.W., Stoelting M., and Hammarstrand R.G. (1989) Photographic method for visibility monitoring. *Environ. Sci. & Technol.* **23**, 182-186.

References (17 of 23)

- Richards L.W., Alcorn, S.H., McDade C., Couture T., Lowenthal D., Chow J.C., and Watson J.G. (1999) Optical properties of the San Joaquin Valley aerosol collected during the 1995 integrated monitoring study. *Atmos. Environ.* **33**, 4787-4795 (STI-1834).
- Rogers A., Isley S., and Jarlett J. (unknown) An exploratory analysis of fine particulate matter and its component constituents with ozone and meteorological variables in Washington, D.C. Prepared for U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards by students of ST 495: Environmental Statistics Practicum, Dr. William F. Hunt, Jr., Instructor.
- Rolph G.D., Draxler R., McQueen J., and Stunder B. (1999) Trajectory cluster analysis description and examples available at <<http://www.arl.noaa.gov/slides/ready/climate/clim2.html>>.
- Schauer J.J., Rogge W.F., Hildemann L.M., Mazurek M.A., Cass G.R., Simoneit B.R.T. (1996) Source apportionment of airborne particulate matter using organic compounds as tracers. *Atmos. Environ.*, **30(22)**, 3837-3855.
- Schauer J.J., Kleeman M.J., Cass G.R., and Simoneit B.R.T. (1999) Measurement of emissions from air pollution sources. 1. C₁ through C₂₉ organic compounds from meat charbroiling. *Environ. Sci. Technol.*, **33**, 1566-1577.
- Schauer J.J., Kleeman M.J., Cass G.R., and Simoneit B.R.T. (1999) Measurement of emissions from air pollution sources. 1. C₁ through C₃₀ organic compounds from medium duty diesel trucks. *Environ. Sci. Technol.*, **33**, 1578-1587.
- Schauer J.J. and Cass G.R. (2000) Source apportionment of wintertime gas-phase and particle-phase air pollutants using organic compounds as tracers. *Environ. Sci. Technol.*, **34**, 1821-1832.
- Scheff P. A., Wadden R.A. and Allen R.J. (1984) Development and validation of a chemical element mass balance for Chicago. *Environ. Sci. Technol.*, **18**, 923-931.
- 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.
- Scheff P. and Rizzo M. (1999) Use of time series analysis to examine the link between photochemistry and PM concentrations in Chicago. Draft report available at <http://capita.wustl.edu/pmfine/workgroup/Status%26Trends/Reports/In-progress/PM_Photchem/TIME.htm>

References (18 of 23)

- Schichtel B.A. (1999) Local and regional contributions of fine particulate mass to urban areas in the mid-Atlantic and southwestern US. Paper prepared by Center for Air Pollution impact and Trend Analysis, Washington University, St. Louis, MO. Contract No. 7D-0869-NAEX. Available at
<http://capita.wustl.edu/capita/capitareports/PMFineAn/PM_vs_Trans/finalreport/BltPhx_PMvsWnd_FinalReport.html>
- Schichtel B.A. (1999) PM_{2.5} topic summaries available at:
<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/SeasonalPattern/sld001.htm>
<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/ElevationDep/sld001.htm>
<http://capita.wustl.edu/CAPITA/CapitaReports/USVisiTrend/80_95/USVistrnd80_95/index.htm>
<<http://capita.wustl.edu/Central-America/reports/SmokeSum/SmokeSumApr99/index.htm>>
<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/PMEmissions/sld001.htm>
<http://capita.wustl.edu/PMFine/Workbook/PMTTopics_PPT/LocalVsRegionalSA/sld001.htm>
- Schichtel B. and Husar R. (1995) Regional simulation of atmospheric pollutants with the Capita Monte Carlo Model. Prepared by the Center for air Pollution and Trend Analysis, Washington University, St. Louis, MO. September. Available at
<<http://capita.wustl.edu/CAPITA/CapitaReports/MonteCarlo/MonteCarlo.html>>
- Schichtel B. and Husar R. (1997) Derivation of SO₂ – SO₄²⁻ transformation and deposition rate coefficients over the Eastern US using a semi-empirical approach. Paper available at
<http://capita.wustl.edu/capita/capitareports/mcarlokinetics/mcrateco4_AWMAPres.html>
- Schichtel B., Falke S., and Husar R. (1999) North American integrated fine particle data set. Available at
<<http://capita.wustl.edu/CAPITA/CapitaReports/AWMA99/NamPM/NAMPMdata.htm>> (last accessed 10/18/00).
- Seigneur C. (1998) PM_{2.5} modeling: current status and research needs. Proceedings from the *Air & Waste Management Association's Specialty Conference PM_{2.5}: A fine particle standard*, Chow J. and Koutrakis P., Eds., pp. 713-724, January.
- Seigneur, C., Hudischewskyi A.B., Seinfeld J.H., Whitby K.T., Whitby E.R., Brock J.R., and Barnes H.M. (1986) Simulation of aerosol dynamics: a comparative review of mathematical models, *Aerosol. Sci. Technol.*, **5**, 205-222.
- Seigneur C., Pai P., Louis J.F., Hopke P. and Grosjean D. (1997) Review of air quality models for particulate matter. Prepared for the American Petroleum Institute by Atmospheric and Environmental Research, Inc. Document number CP015-97-1b, December.

References (19 of 23)

- Seigneur C., Pun B., Pai P., Louis J.F., Solomon P., Emery C., Morris R., Zahniser M., Worsnop, D., Koutrakis P., White W., Tomback I. (1998) Guidance for the performance evaluation of three-dimensional air quality modeling systems for particulate matter and visibility. Final report CP033-98-1b prepared by AER for ADI, Washington, D.C., November.
- Seigneur C., Tonne C., Vijayaraghavan K., and Pai P. (2000) The sensitivity of PM_{2.5} source-receptor relationships to atmospheric chemistry and transport in a three-dimensional air quality model. *J. Air & Waste Manag. Assoc.*, **50**, 428-435.
- Seinfeld J.H. and Pandis S.N. (1998) *Atmospheric chemistry and physics: from air pollution to climate change*. John Wiley and Sons, Inc., New York, New York.
- Seinfeld J.H., Collins D.R., Jonsson H.H., Liao H., Flagan R.C., Noone K.J., and Hering S.V. (2000) Aircraft sampling to determine atmospheric concentrations and size distributions of particulate matter and other pollutants over the South Coast Air Basin. Final report prepared for the California Air Resources Board, Sacramento, CA, by California Institute of Technology, Pasadena, CA, Naval Postgraduate School, Monterey, CA, Stockholm University, Sweden, Aerosol Dynamics, Inc., Berkeley, CA, Contract Nol. 96-315, May.
- Sheehan J. (1999) Presentation notes from a 1998 NESCAUM meeting.
- Sisler J.F. (1996) Spatial and seasonal patterns and long-term variability of the composition of the haze in the United States: an analysis of data from the IMPROVE network. Report prepared by Cooperative Institute for research in the atmosphere. ISSN: 0737-5352-32. July. Available at <ftp://alta_vista.cira.colostate.edu/DATA/IMPROVE/REPORT/>
- Sisler, J.F., Huffman D., Latimer D.A. (1993) Spatial and temporal patterns and the composition of the haze in the United States: an analysis of data from the IMPROVE network, 1988-1991, ISSN: 0737-5352-26, CIRA, Colorado State University.
- Sisler J.F., Malm W.C., Gebhart K.A. (1996) Spatial and seasonal patterns and long term variability of the composition of haze in the United States, an analysis of data from the IMPROVE network, ISSN: 0737-5352-32, CIRA, Colorado State University.
- Sisler J.F. and Malm W.C. (2000) Interpretation of trends of PM_{2.5} and reconstructed visibility from the IMPROVE network. *J. Air & Waste Manag. Assoc.*, **50**, 775-789.
- Sloane C.S., Watson J., Chow J., Pritchett L., and Richards L.W. (1991) Size-segregated fine particle measurements by chemical species and their impact on visibility impairment in Denver. *Atmos. Environ.* **25A**, 1013-1024.

References (20 of 23)

- Solomon (1994) Planning and managing regional air quality modeling and measurement studies: a perspective through the San Joaquin Valley Air Quality Study and AUSPEX. *Science Editor*. Published by Lewis Publishers in conjunction with Pacific Gas and Electric Company.
- Song X-H, Hadjiiski L., Hopke P.K., Ashbaugh L.L., Carvacho O., Casuccio G.S., and Schlaegle S. (1999) Source apportionment of soil samples by the combination of two neural networks based on computer-controlled scanning electron microscopy. *J. Air & Waste Manag. Assoc.*, **49**, 773-783.
- Stoeckenius T.E. (1990) Adjustment of ozone trends for meteorological variation. Presented at the *Air and Waste Management Association's Specialty Conference, Tropospheric Ozone and the Environment, Los Angeles, CA, March 19-22*.
- Stoeckenius T.E., Ligocki M.P., Cohen B.L., Rosenbaum A.S., and Douglas S.G. (1994) Recommendations for analysis of PAMS data. Final report prepared by Systems Applications International, San Rafael, CA, SYSAPP94-94/011r1, February.
- Sweet C.W. and Gatz D.F. (1998) Short communication summary and analysis of available PM_{2.5} measurements in Illinois. *Atmos. Environ.*, **32(6)**, 1129-1133.
- Tanner R.L. and Parkhurst W.J. (2000) Chemical composition of fine particles in the Tennessee Valley Region. *J. Air & Waste Manag. Assoc.*, **50**, 1299-1307.
- Turco R. P. (1997) *Earth under siege: from air pollution to global change*. Oxford University Press, New York.
- Turpin B.J., Huntzicker J.J., and Hering S.V. (1994) Investigation of organic aerosol sampling artifacts in the Los Angeles basin. *Atmos. Environ.*, **28**, pp. 3061-3071.
- 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 (1986) *Guideline on the Identification and Use of Air Quality Data Affected by Exceptional Events*, EPA 450/4-86-007, July.
- 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.

References (21 of 23)

- U.S. Environmental Protection Agency (1994) Clean air act ozone design value study: a report to Congress. Final report prepared by OAQPS, U.S. Environmental Protection Agency, Research Triangle Park, NC, EPA-454/R-94-035, December.
- U.S. Environmental Protection Agency (1996) PM Criteria Document available at <<http://www.epa.gov/ttncaaa1/t1cd.html>> (last accessed October 2, 2000).
- U.S. Environmental Protection Agency (1996) Air Quality Criteria for Particulate Matter, Chapter 1, Executive Summary: EPA 600/P-95/001aF, April.
- U.S. Environmental Protection Agency (1997) Quality Assurance Committee Emission Inventory Improvement Program Introduction: The Value of QA/QC, Volume VI, Chapter 1: January.
- U.S. Environmental Protection Agency (1998) CMB8 application and validation protocol for PM_{2.5} and VOC. Report prepared by U.S. Environmental Protection Agency, Research Triangle Park, NC, EPA 454/R-98-xxx, October.
- U.S. Environmental Protection Agency (1998) Code of Federal Regulations, Part 50. National primary and secondary ambient air quality standards.
- U.S. Environmental Protection Agency (1998) Code of Federal Regulations, Part 50. National primary and secondary ambient air quality standards. Available at <http://earth1.epa.gov/epacfr40/chapt_1.info/subch_C/40P0050.pdf>.
- U.S. Environmental Protection Agency (1998) Fact sheet on PM data handling available at <<http://www.epa.gov/ttn/oarpg/naaqsf/fs122398.html>>
- U.S. Environmental Protection Agency (1998) National air quality and emissions trends report, 1997. Prepared by the Office of Air Quality Planning and Standards, Emissions Monitoring and Analysis Division, Air Quality Trends Analysis Group, Research Triangle Park, NC, 454/R-98-016, December.
- U.S. Environmental Protection Agency (1999) General Information regarding PM_{2.5} data analysis posted on the EPA Internet web site <<http://www.epa.gov/oar/oaqps/pm25/general.html>>
- U.S. Environmental Protection Agency (1999) Guideline on data handling conventions for the PM NAAQS. Prepared by the office of air quality planning and standards, Research Triangle Park, North Carolina. EPA-454/R-99-008. April.

References (22 of 23)

- U.S. Environmental Protection Agency (1999) Particulate matter (PM_{2.5}) speciation guidance document. Available at <<http://www.epa.gov/ttn/amtic/files/ambient/pm25/spec/specpln3.pdf>>
- U.S. Environmental Protection Agency(1999) PM_{2.5} mass validation criteria. Available at <<http://www.epa.gov/ttn/amtic/pmqa.html>>
- U.S. Environmental Protection Agency (1999) Regional haze and visibility protection: clearing the air and improving the view. Office of Air Quality Planning and Standards. September. Available at <<http://www.epa.gov/air/vis/epahaze/default.html>> (last accessed 10/4/00)
- U.S. Environmental Protection Agency (1999) Regional haze regulations: final rule. 40 CFR Part 51, July 1. Available at <<http://www.epa.gov/air/vis/facts.pdf>> (last accessed 11/3/00).
- U.S. Environmental Protection Agency (2000) Approval and promulgation of implementation plans: revision of the visibility FIP for Nevada. Proposed Rule, **65(140)** *Fed. Reg.* 45003-45013, July 20.
- U.S. Environmental Protection Agency (2000) National air pollutant emission trends: 1900-1998. Web page (EPA 454/R-00-002) at <<http://www.epa.gov/ttn/chief/trends/trends98>>, March (last accessed 02/02/01).
- U.S. Environmental Protection Agency (2000) Visibility Improvement Program available at <<http://www.epa.gov/air/vis/>> (last accessed 11/3/00).
- VanCuren T. (1998) Spatial factors influencing winter particle sample collection and interpretation. Proceedings of the *PM_{2.5}: A Fine Particle Standard Specialty Conference*, J. Chow and P. Koutrakis, Eds. Volume 1, pp. 78-107.
- Watson J.G. (1984) Overview of receptor model principles. *J. Air Poll. Cont. Assoc.* **34(6)**, 619-623.
- Watson J.G., Chow J.C., Lu Z., Fujita E.M., Lowenthal D.H. and Lawson D.R. (1994). Chemical mass balance source apportionment of PM₁₀ during the Southern California Air Quality Study. *Aerosol Sci. and Technol.* **21**, 1-36.
- Watson J.G., Chow J.C., Lowenthal D.H., Pritchett L.C., Frazier C.A., Neuroth G.R., Robbins R. (1994) Differences in the carbon composition of source profiles for diesel- and gasoline-powered vehicles. *Atmos. Environ.*, **28(15)**, 2493-2505.
- Watson J.G., Fujita E.M., Chow J.C., Zielinska B., Richards L.W., Neff W., and Dietrich D. (1998) Northern Front Range Air Quality Study. Final Report. Prepared for Colorado State University, Cooperative Institute for Research in the Atmosphere, Fort Collins, CO. Desert Research Institute, Reno, NV.

References (23 of 23)

- Watson J.G., Chow J.C., Bowen J.L., Lowenthal D.H., Hering S., Ouchida P., and Oslund W. (2000) Air quality measurements from the Fresno supersite. *J. Air & Waste Manag. Assoc.*, **50**, 1321-1334.
- Wayland R.J. (1999) REMSAD - 1990 Base case simulation: model performance evaluation. Draft report prepared by U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, March.
- West J.J., Ansari A.S., and Pandis S.N. (1999) Marginal PM_{2.5}: Nonlinear aerosol mass response to sulfate reductions in the eastern United States. *J. Air & Waste Manag. Assoc.*, **49**, 1415-1424.
- White W.H., Macias E.S (1991) Chemical mass balancing with ill-defined sources: regional apportionment in the California desert. *Atmos. Environ.* **25A(8)** 1547-1557.
- Wilson R.D. (1998) *Interim Air Quality Policy on Wildland and Prescribed Fires*, Memorandum from Acting Assistant Administrator for Air and Radiation, to EPA Regional Administrators, May 15, 1998. Available at <<http://www.epa.gov/ttncaaa1/t1/meta/m27340.html>>.
- Wittig A.E., Main H.H., Roberts P.T., and Hurwitt S.B. (1999) Analysis of PAMS data in California Volume III: Trends analysis of California PAMS and long-term trend air quality data (1987-1997). Report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, STI-998393-1885-FR, May.
- Wongphatarakul V., Friedlander S.K., Pinto J.P. (1998) A comparative study of PM_{2.5} ambient aerosol chemical databases. *Environ. Sci. Technol.*, **32(24)**, 3926-3934.
- Zeldin M.D., Cassmassi J.C.C., and Hoggan M. (1990) Ozone trends in the South Coast Air Basin: an update. Presented at the *Air and Waste Management Association's International Conference on Tropospheric Ozone and the Environment*, Los Angeles, CA, March 19-22, pp. 760-771.
- Zheng M. and Fang M. (2000) Correlations between organic and inorganic species in atmospheric aerosols. *Environ. Sci. Technol.*, **34**, 2721-2726.
- Zurbenko I.G., Rao S.T., and Henry R.F. (1995) Mapping ozone in the Eastern United States. *Environ. Man. J.* 1, February.