

Publications Donald Ray Blake

1. "Methane: Interhemispheric Concentration Gradient and Atmospheric Residence Time", Proceedings of the National Academy of Sciences, **1982**, 79, 1366-1370
E. Mayer, D. R. Blake, S. Tyler, Y. Makide, D. C. Montague and F. S. Rowland
2. "Global Increase in Atmospheric Methane Concentrations between 1978 and 1980", *Geophysical Research Letters*, **1982**, 9, 477-480
D. R. Blake, E. W. Mayer, S. C. Tyler, Y. Makide, D. C. Montague and F. S. Rowland
3. "World-wide Increase in Concentration of Atmospheric Methane since 1978", Symposium Proceedings of WMO Technical Conference on Observation and Measurement of Atmospheric Contaminants, World Meteorological Organization, **October 1983**
F. S. Rowland, D. R. Blake and E. W. Mayer
4. "Increasing Concentrations of Perhalocarbons, Methylchloroform and Methane in the Atmosphere", Pontificiae Academiae Scientiarum Scripta Varia, pp. 305-339, Rome, Italy, **November 1983**
F. S. Rowland, D. R. Blake, S. C. Tyler and Y. Makide
5. "Methane Concentrations and Source Strengths in Urban Locations", *Geophysical Research Letters*, **1984**, 12, 1211-1214
D. R. Blake, V. H. Woo, S. C. Tyler and F. S. Rowland
6. "World-wide Increase in Tropospheric Methane 1978-1983", *Journal of Atmospheric Chemistry*, **1986**, 4, 43-62
D. R. Blake and F. S. Rowland
7. "Global Atmospheric Concentrations and Source Strength of Ethane", *Nature*, **1986**, 321, 231-233
D. R. Blake and F. S. Rowland
8. "¹³C/¹²C Ratio in Methane from the Flooded Amazon Forest", *Journal of Geophysical Research*, **1987**, 92, 1044-1048
S. C. Tyler, D. R. Blake and F. S. Rowland
9. "Continuing World-wide Increase in Tropospheric Methane, 1978 to 1987", *Science*, **March 1988**, 239, 1129-1131
D. R. Blake and F. S. Rowland
10. "Methane, CFCs and other Greenhouse Gases", Chapter 17 in The Challenge of Global Warming, Island Press Publishing, pp 248-255, **1989**
D. R. Blake
11. "Methane in Cities", *Nature*, **October 4, 1990**, 347, 432-433
F. S. Rowland, N. R. P. Harris and D. R. Blake
12. "Summertime Photochemistry of the Troposphere at High Northern Latitudes", *Journal of Geophysical Research*, **1992**, 97, 16,421-16,432
D. J. Jacob, S. C. Wofsy, P. S. Bakwin, S.-M. Fan, R.C. Harriss, R. W. Talbot, J. D. Bradshaw, S. T. Sandholm, H. B. Singh, E. V. Browell, G. L. Gregory, G. W. Sachse, M. Shipham, D. R. Blake and D. R. Fitzjarrald

13. "Summertime Tropospheric Observations Related to N_xO_y Distributions and Partitioning Over Alaska: Arctic Boundary Layer Expedition 3A", *Journal of Geophysical Research*, **1992**, 97 , 16,481-16,510
S. T. Sandholm, J. D. Bradshaw, G. Chen, H. B. Singh, R. W. Talbot, G. L. Gregory, D. R. Blake, G. W. Sachse, E. V. Browell, J. D. W. Barrick, M. A. Shipham, A. S. Bachmeier, and D. Owen
14. "Atmospheric Measurements of Peroxyacetyl Nitrate and Other Organic Nitrates at High Latitudes: Possible Sources and Sinks", *Journal of Geophysical Research*, **1992**, 97 , 16,511-16,522
H. B. Singh, D. O'Hara, D. Herlth, J. D. Bradshaw, S. T. Sandholm, G. L. Gregory, G. W. Sachse and D. R. Blake, P.J. Crutzen, and M. A. Kanakidou
15. "Summertime Measurements of Selected Nonmethane Hydrocarbons in the Arctic and Subarctic during the 1988 Arctic Boundary Layer Experiment (ABLE-3A)", *Journal of Geophysical Research*, **1992**, 97 , 16,559-16,588.
D. R. Blake, D. F. Hurst, T. W. Smith, Jr., W. J. Whipple, T. Y. Chen, N. J. Blake and F. S. Rowland
16. "Atmospheric Chemistry in the Arctic and Subarctic: Influence of Natural Fires, Industrial Emissions, and Stratospheric Inputs", *Journal of Geophysical Research*, **1992**, 97 , 16,731-16,746
S. C. Wofsy, G. W. Sachse, G. L. Gregory, D. R. Blake, J. D. Bradshaw, S. T. Sandholm, H. B. Singh, J. A. Barrick, R. C. Harris, R. W. Talbot, M. A. Shipham, E. V. Browell, D. J. Jacob and J. A. Logan
17. "A Photostationary State Analysis of the NO_2 -NO System Based on Airborne Observations From the Subtropical/Tropical North and South Atlantic", *Journal of Geophysical Research* **1993**, 98, 23,501-23,523.
D. D. Davis, G. Chen, W. Chameides, J. Bradshaw, S. Sandholm, M. Rodgers, J. Schendal, S. Madronich, G. Sachse, G. Gregory, B. Anderson, J. Barrick, M. Shipham, J. Collins, L. Wade, and D. Blake
18. "AASE-II Observations of Trace Carbon Species Distributions in the Mid to Upper Troposphere", *Geophysical Research Letters* **1993**, 20, 2539-2542.
B. E. Anderson, J. E. Collins, G. W. Sachse, G. W. Whiting, D. R. Blake, F. S. Rowland
19. "The Compatibility Between Aircraft and Ground-based Air Quality Measurements", *Journal of Geophysical Research* **1994**, 99, 1043-1058.
C.C. Van Valin, J. F. Boatman, M. Luria, V. P. Aneja, D. R. Blake, M. Rodgers, and J. T. Sigmon
20. "Meridional Distribution of NO_x , NO_y , and other Species in the Lower Stratosphere and Upper Troposphere during AASE II", *Geophysical Research Letter*, **Nov 15, 1994**, 21(N23), 2583-2586
Weinheimer A.J., Walega J.G., Ridley B.A., Blake D.R., Blake N.J., Rowland F.S., Sachse G.W., Anderson B.E., Collins J.E.
21. "Effects of Biomass Burning on Summertime Nonmethane Hydrocarbon Concentrations in the Canadian Wetlands", *Journal of Geophysical Research* **1994**, 99, 1699-1719.
D. R. Blake, T. W. Smith, Jr., T.-Y. Chen, W. J. Whipple and F. S. Rowland
22. "Enhancement of Acidic Gases in Biomass-burning Impacted Air Masses over Canada", *Journal of Geophysical Research* **1994**, 99, 1721-1738.
B. L. Lefer, R.W. Talbot, R.C. Harriss, J.D. Bradshaw, S.T. Sandholm, J.O. Olson, G.W. Sachse, J. Collins, M.A. Shipham, D. R. Blake, K.I. Klemm, O. Klemm, K. Gorzelska, and J. Barrick

23. "Analysis of Tropospheric Aerosol Number Density for Aerosols of 0.2 to 3 μ m diameter: Central and Northeastern Canada", *Journal of Geophysical Research* **1994**, 99, 1757-1762.
G. L. Gregory, B.E. Anderson, J. D. Barrick, C. H. Hudgins, D. R. Bagwell and D. R. Blake
24. "Acetone in the Atmosphere: Distribution, Sources, and Sinks", *Journal of Geophysical Research* **1994**, 99, 1805-1820.
H. B. Singh, D. O'Hara, D. Herlth, W. Sachse, D. R. Blake, J.D. Bradshaw, M. Kanakidou, and P.J. Crutzen
25. "Summertime Distribution of PAN and other Reactive Nitrogen Species in the Northern High-latitude Atmosphere of Eastern Canada", *Journal of Geophysical Research* **1994**, 99, 1821-1836.
H.B. Singh, D. Herlth, D. O'Hara, K. Zahnle, J.D. Bradshaw, S.T. Sandholm, R. Talbot, G.L. Gregory, G.W. Sachse, D.R. Blake, and S.C. Wofsy
26. "Summertime Partitioning and Budget of NO_y Compounds in the Troposphere Over Alaska and Canada: ABLE-3", *Journal of Geophysical Research* **1994**, 99, 1837-1862.
S. Sandholm, J. Olson, J. Bradshaw, R. Talbot, H. Singh, G. Gregory, D. Blake, B. Anderson, G. Sachse, J. Barrick, J. Collins, K. Klemm, B. Lefer, O. Klemm, K. Gorzelska, D. Herlth, D. O'Hara.
27. "Summertime Distribution and Relations of Reactive Odd Nitrogen Species and NO_y in the Troposphere over Canada", *Journal of Geophysical Research* **1994**, 99, 1863-1886.
R.W. Talbot, J.D. Bradshaw, S.T. Sandholm, H.B. Singh, G.W. Sachse, J. Collins, G.L. Gregory, B. Anderson, D.R. Blake, J. Barrick, E.V. Browell, K.I. Klemm, B.L. Lefer, O. Klemm, K. Gorzelska, J. Olson, D. Herlth, and D. O'Hara.
28. "Factors Influencing Atmospheric Composition over Subarctic North America During Summer", *Journal of Geophysical Research* **1994**, 99, 1887-1898.
S.C. Wofsy, S.-M. Fan, D.R. Blake, J.D. Bradshaw, S.T. Sandholm, H.B. Singh, G.W. Sachse, and R.C. Harriss
29. "Reactive Nitrogen Oxides and Ozone Above a Taiga Woodland", *Journal of Geophysical Research* **1994**, 99, 1927-1936.
P.S. Bakwin, D. J. Jacob, S.C. Wofsy, J.W. Munger, B.C. Daube, J.D. Bradshaw, S.T. Sandholm, R.W. Talbot, H.B. Singh, G.L. Gregory, and D.R. Blake
30. "Influence of Plumes from Biomass Burning on Atmospheric Chemistry over the Equatorial and Tropical South Atlantic during CITE 3", *Journal of Geophysical Research* **1994**, 99, 12,793-12,808
M. O. Andreae, B. E. Anderson, D. R. Blake, J. D. Bradshaw, J. E. Collins, G. L. Gregory, G. W. Sachse, and M. C. Shipman
31. "Seasonal Variations in the Atmospheric Distribution in Remote Surface Locations of a Reactive Chlorine Compound, Tetrachloroethylene (CCl₂=CCl₂)", *Geophysical Research Letters* **1995**, 22, 1097-1100.
C. J.-L. Wang, D. R. Blake and F. S. Rowland
32. "Reduction in the Rates of Growth of Global Atmospheric Concentrations for CCl₃F (CFC-11) and CCl₂F₂ (CFC-12) During 1988-1993", Proceedings of the International Symposium on Global Cycles of Atmospheric Greenhouse Gases, Sendai, Japan, March 7-11, **1994**, page 38-51.
F. Sherwood Rowland, Charles J.-L. Wang and Donald R. Blake
33. "Urban Leakage of Liquefied Petroleum Gas and Its Impact on Mexico City Air Quality", *Science* **1995**, 269, 953-956.
D. R. Blake and F.S. Rowland

34. "Airborne Measurements of Chemical Species Near Taiwan During Mid-autumn" *Terrestrial, Atmospheric and Oceanic Sciences* **1995**, 6, 299-335
C.-M. Liu, S.-C. Liu, R. J. McNeal, D. D. Davis, J. M. Hoell, Jr., G. L. Gregory, B. E. Anderson, K. Kelly, J. D. Bradshaw, S. T. Sandholm, H. B. Singh, R. W. Talbot, G. W. Sachse, F. S. Rowland., D. R. Blake, A. R. Bandy, D. C. Thornton, B. G. Heikes, R. E. Newell, E. V. Browell, and J. Merrill
35. "O₃, NO_y, and NO_x/NO_y in the Upper Troposphere of the Equatorial Pacific", *Journal of Geophysical Research* **1995**, 100, 20,913-20,926.
I. A. Folkins, A. J. Weinheimer, B. A. Ridley, J. G. Walega, B. Anderson, J. E. R. Collins, G. Sachse, R. F. Pueschel, and D. R. Blake
36. "PEM-West A: Meteorological Overview", *Journal of Geophysical Research* **1996**, 101, 1655-1678.
A. Scott Bahmeier, Reginald E. Newell, Mark C. Shipham, Yong Zhu, Donald R. Blake, and Edward V. Browell
37. "Large-scale Air Mass Characteristics Observed Over Western Pacific During Summertime", *Journal of Geophysical Research* **1996**, 101, 1691-1712.
E. V. Browell, M. A. Fenn, C. F. Butler, W. B. Grant, J. T. Merrill, R. E. Newell, J. D. Bradshaw, S. T. Sandholm, B. E. Anderson, A. R. Bandy, A. S. Bachmeier, D. R. Blake, D.D. Davis, G. L. Gregory, B. G Heikes. Y. Kondo, S. C. Liu, F. S. Rowland, G. W. Sachse, H. B. Singh, R. W. Talbot, and D. C. Thornton
38. "Chemical Characteristics of Continental Outflow from Asia to the Troposphere Over the Western Pacific Ocean During September-October 1991: Results from PEM-West A", *Journal of Geophysical Research* **1995**, 101, 1713-1726.
B. Talbot, J. Dibb, K. Klemm, J. Bradshaw, S. Sandholm, D. Blake, G. Sachse, J. Collins, B. Heikes, G. Gregory, B. Anderson, H. Singh, D. Thorton, and J. Merrill
39. "Nonmethane hydrocarbon and halocarbon distributions during Atlantic Stratocumulus Transition Experiment/Marine Aerosol and Gas Exchange, June 1992", *Journal of Geophysical Research*, **1996**, 101, 4501-4514
Donald R. Blake, Nicola J. Blake, and Tyrrel W. Smith Jr., Oliver W. Wingenter, and F. Sherwood Rowland
40. "Chemical Signatures of Aged Pacific Marine Air: Mixed Layer and Free Troposphere as Measured During PEM-West A", *Journal of Geophysical Research* **1996**, 101, 1727-1742.
G. L. Gregory, A. S. Bachmeier, D. R. Blake, B. G. Heikes, D. C. Thornton, A. R. Bandy, J. D. Bradshaw, and Y., Kondo
41. "Comparison of Free Tropospheric Western Pacific Air Mass Classification Schemes for the PEM-West A Experiment", *Journal of Geophysical Research* **1996**, 101, 1743-1762.
S. Smyth, J. Bradshaw, S. Sandholm, S. Liu, S. McKeen, G. Gregory, B. Anderson, R. Talbot, D. Blake, S. Rowland, E. Browell, M. Fenn, J. Merrill, S. Bachmeier, G. Sachse, J. Collins, D. Thornton, D. Davis, and H. Singh
42. "Three-dimensional Distribution of Nonmethane Hydrocarbons and Halocarbons over the Northwestern Pacific During the 1991 Pacific Exploratory Mission (PEM-West A)", *Journal of Geophysical Research* **1996**, 101, 1763-1778.
Donald R. Blake, Tai-Yih Chen, Tyrrel W. Smith Jr., Charles J.-L. Wang, Oliver W. Wingenter, Nicola J. Blake, F. S. Rowland, and Edward W. Mayer

43. "Reactive Nitrogen and Ozone Over the Western Pacific: Distribution, Partitioning, and Sources", *Journal of Geophysical Research* **1996**, *101*, 1793-1808
H. B. Singh, D. Herlth, R. Kolyer, L. Salas, J. D. Bradshaw, S. T. Sandholm, D. D. Davis, J. Crawford, Y. Kondo, M. Koike, R. Talbot, G., L. Gregory, G. W. Sachse, E. Browell, D. R. Blake, F. S. Rowland, R. Newell, J. Merrill, B. Heikes, S. C. Liu, P. J. Crutzen, and M. Kanakidou
44. "Atmospheric Sampling of Supertyphoon Mireille with NASA DC-8 Aircraft on September 27, 1991, During PEM-West A", *Journal of Geophysical Research* **1996**, *101*, 1853-1872.
R. E. Newell, W. Hu, Z.-X. Wu, Y. Zhu, H. Akimoto, B. E. Anderson, E. V. Browell, G. L. Gregory, G. W. Sachse, M. C. Shipham, A. S. Bachmeier, A. R. Bandy, D. C. Thornton, D. R. Blake, F. S. Rowland, J. D. Bradshaw, J. H. Crawford, D. D. Davis, S. T. Sandholm, W. Brockett, L. DeGreef, D. Lewis, D. McCormick, E. Monitz, J. E. Collins Jr., B. G. Heikes, J. T. Merrill, K. K. Kelly, S. C. Liu, Y. Kondo, M. Koke, C.-M. Liu, F. Sakamaki, H. B. Singh, J. E. Dibb, and R. W. Talbot
45. "Hydrogen Peroxide and Methylhydroperoxide Distributions related to Ozone and Odd Hydrogen over the North Pacific in the Fall of 1991", *Journal of Geophysical Research* **1996**, *101*, 1891-1906.
Brian G. Heikes, Meehye Lee, J. Bradshaw, S. Sandholm, D. D. Davis, J. Crawford, Jose Rodriguez, S. Liu, S. McKeen, D. Thornton, A. Bandy, G. Gregory, R. Talbot, and D. Blake
46. "Low Ozone in the Marine Boundary Layer of the Tropical Pacific Ocean: Photochemical Loss, Chlorine Atoms, and Entrainment", *Journal of Geophysical Research* **1996**, *101*, 1907-1918.
H. B. Singh, G. L. Gregory, B. Anderson, E. Browell, G. W. Sachse, D. D. Davis, J. Crawford, J. D. Bradshaw, R. Talbot, D. R. Blake, D. Thornton, R. Newell, and J. Merrill
47. "Photostationary State Analysis of the NO₂-NO System Based on Airborne Observations from the Western and Central North Pacific", *Journal of Geophysical Research* **1996**, *101*, 2053-2072.
J. Crawford, D. Davis, G. Chen, J. Bradshaw, S. Sandholm, G. Gregory, G. Sachse, B. Anderson, J. Collins, D. Blake, H. Singh, B. Heikes, R. Talbot, and J. Rodriguez
48. "Model Study of Tropospheric Trace Species Distributions During PEM-West A", *Journal of Geophysical Research* **1996**, *101*, 2073-2086.
S. C. Liu, S. A. McKeen, E.-Y. Hsie, X. Lin, K. K. Kelly, J. D. Bradshaw, S. T. Sandholm, E. V. Browell, G. L. Gregory, G. W. Sachse, A. R. Bandy, D. C. Thornton, D. R. Blake, F. S. Rowland, R. Newell, B. G. Heikes, H. Singh, and R. W. Talbot
49. "Hydrocarbon Ratios during PEM-West A: A Model Perspective", *Journal of Geophysical Research* **1996**, *101*, 2087-2110.
S. A. McKeen, S. C. Liu, E.-Y. Hsie, X. Lin, J. D. Bradshaw, S. Smyth, G. L. Gregory, and D. R. Blake
50. "Assessment of Ozone Photochemistry in the Western North Pacific as Inferred from PEM-West A Observations During Fall 1991", *Journal of Geophysical Research* **1996**, *101*, 2111-2134.
D. Davis, J. Crawford, G. Chen, W. Chameides, S. Liu, J. Bradshaw, S. Sandholm, G. Sachse, G. Gregory, B. Anderson, J. Barrick, A. Bachmeier, J. Collins, E. Browell, M., D. Blake, F. S. Rowland, Y. Kondo, H. Singh, R. Talbot, B. Heikes, J. Merrill, J. Rodriguez, and R. E. Newell
51. "Potential Impact of Iodine on Tropospheric Levels of Ozone and Other Critical Oxidants", *Journal of Geophysical Research* **1996**, *101*, 2135-2147.
D. Davis, J. Crawford, S. Liu, S. McKeen, A. Bandy, D. Thornton, F. Rowland, and D. Blake

52. "Origin of Tropospheric Ozone at Remote High Northern Latitudes in Summer", *Journal of Geophysical Research* **1996**, *101*, 4175-4188.
D. L. Mauzerall, D. J. Jacob, S.-M. Fan, J. D. Bradshaw, G. L. Gregory, G. W. Sachse, and D. R. Blake
53. "Hydrocarbon and Halocarbon Measurements as Photochemical and Dynamical Indicators of Atmospheric Hydroxyl, Atomic Chlorine, and Vertical Mixing Obtained During Lagrangian Flights", *Journal of Geophysical Research* **1996**, *101*, 4331-4340.
O. W. Wingenter, M. K. Kubo, N. J. Blake, T. W. Smith, Jr., D. R. Blake, and F. S. Rowland
54. "Nonmethane Hydrocarbon and Halocarbon Distributions During Atlantic Stratocumulus Transition Experiment/Marine Aerosol and Gas Exchange, June 1992", *Journal of Geophysical Research* **1996**, *101*, 4501-4514.
D. R. Blake, N. J. Blake, T. W. Smith, Jr., O. W. Wingenter, and F. S. Rowland
55. "Measurements of PAN, Alkyl Nitrates, Ozone and Hydrocarbons during Spring in Interior Alaska", *Journal of Geophysical Research* **1996**, *101*, 12,613-12,619.
H. J. Beine, D. A. Jaffe, D. R. Blake, E. Atlas, and J. Harris
56. "A Comparison of Aircraft and Ground-based Measurements at Mauna Loa Observatory, Hawaii, during GTE PEM-WEST and MLOPEX2", *Journal of Geophysical Research* **1996**, *101*, 14,599-14,612.
E. Atlas, B. Ridley, J. Walega, J. Greenberg, G. Kok, T. Staffelbach, S. Schauffler, J. Lind, G. Huber, R. Norton, GTE PEM-West Science Team (D. Blake et al.), E. Dlugokencky, J. Elkins, S. Oltmans, G. Mackay, and D. Karecki
57. "TRACE A Trajectory Intercomparison, 2, Isentropic and Kinematic Methods", *Journal of Geophysical Research* **1996**, *101*, 23,927-23,940.
H. E. Fuelberg, R. O. Loring Jr., M. V. Watson, M. C. Sinha, K. E. Pickering, A. M. Thompson, G. W. Sachse, D. R. Blake, and M. R. Schoeberl
58. "Chemical Characteristics of Tropospheric air over the Tropical South Atlantic Ocean: Relationship to Trajectory History", *Journal of Geophysical Research* **1996**, *101*, 23,957-23,972.
G. L. Gregory, H. E. Fuelberg, S. P. Longmore, B. E. Anderson, J. E. Collins, and D. R. Blake
59. "Convective Transport of Biomass Burning Emissions over Brazil during TRACE A", *Journal of Geophysical Research* **1996**, *101*, 23,993-24,013.
K. E. Pickering, A. M. Thompson, Y. Wang, W.-K. Tao, D. P. McNamara, V. W. J. H. Kirchhoff, B. G. Heikes, G. W. Sachse, J. D. Bradshaw, G. L. Gregory, and D. R. Blake
60. "Ozone and Aerosol Distributions and Air Mass Characteristics over the South Atlantic Basin during the Burning Season", *Journal of Geophysical Research* **1996**, *101*, 24,043-24,068.
E. V. Browell, M. A. Fenn, C. F. Butler, W. B. Grant, M. B. Clayton, J. Fishman, A. S. Bachmeier, B. E. Anderson, G. L. Gregory, H. E. Fuelberg, J. D. Bradshaw., S. T. Sandholm, D. R. Blake, B. G. Heikes, G. W. Sachse, H. B. Singh, and R. W. Talbot
61. "Aerosols from Biomass Burning over the Tropical South Atlantic Region: Distributions and Impacts", *Journal of Geophysical Research* **1996**, *101*, 24,117-24137.
B. E. Anderson, W. B. Grant, G. L. Gregory, E. V. Browell, J. E. Collins Jr., G. W. Sachse, D. R. Bagwell, C. H. Hudgins, D. R. Blake, and N. J. Blake

62. "Biomass Burning Emissions and Vertical Distribution of Atmospheric Methyl Halides and Other Reduced Carbon Gases in the South Atlantic Region", *Journal of Geophysical Research* **1996**, *101*, 24,151-24,164.
N. J. Blake, D. R. Blake, B. C. Sive, T.-Y. Chen, F. S. Rowland, J. E. Collins Jr., G. W. Sachse, and B. E. Anderson
63. "Factors Influencing the Upper Free Tropospheric Distribution of Reactive Nitrogen over the South Atlantic during TRACE A Experiment", *Journal of Geophysical Research* **1996**, *101*, 24,165-24,186.
S. B. Smyth, S. T. Sandholm, J. D. Bradshaw, R. W. Talbot, D. R. Blake, N. J. Blake, F. S. Rowland, H. B. Singh, G. L. Gregory, B. E. Anderson, G. W. Sachse, J. E. Collins, and A. S. Bachmeier
64. "Chemical Characteristics of Continental Outflow over the Tropical South Atlantic Ocean from Brazil and Africa", *Journal of Geophysical Research* **1996**, *101*, 24,187-24,202.
R. W. Talbot, J. D. Bradshaw, S. T. Sandholm, S. Smyth, D. R. Blake, N. J. Blake, G. W. Sachse, J. E. Collins, B. G. Heikes, B. E. Anderson, G. L. Gregory, H. B. Singh, B. L. Lefer, and A. S. Bachmeier
65. "Impact of Biomass Burning Emissions on the Composition of the South Atlantic Troposphere: Reactive Nitrogen and Ozone", *Journal of Geophysical Research* **1996**, *101*, 24,203-24,220.
H. B. Singh, D. Herlth, R. Kolyer, R. Chatfield, W. Viezee, L. J. Salas, Y. Chen, J. D. Bradshaw, S. T. Sandholm, R. Talbot, G. L. Gregory, B. Anderson, G. W. Sachse, E. Browell, A. S. Bachmeier, D. R. Blake, B. Heikes, D. Jacob, and H. E. Fuelberg
66. "Ozone, Hydroperoxides, Oxides of Nitrogen, and Hydrocarbon Budgets in the Marine Boundary Layer over the South Atlantic", *Journal of Geophysical Research* **1996**, *101*, 24,221-24,234.
B. Heikes, M. Lee, D. Jacob, R. Talbot, J. Bradshaw, H. Singh, D. Blake, B. Anderson, H. Fuelberg, and A. M. Thompson
67. "Origin of Ozone and NO_x in the Tropical Troposphere: A Photochemical Analysis of Aircraft Observations over the South Atlantic Basin", *Journal of Geophysical Research* **1996**, *101*, 24,235-24,250.
D. J. Jacob, B. G. Heikes, S.-M. Fan, J. A. Logan, D. L. Mauzerall, J. D. Bradshaw, H. B. Singh, G. L. Gregory, R. W. Talbot, D. R. Blake, and G. W. Sachse
68. "A Comparison of Aircraft and Ground-based Measurements at Mauna Loa Observatory, Hawaii, during GTE PEM-WEST and MLOPEX2", *Journal of Geophysical Research* **1996**, *101*, 14,599-14,612.
E. Atlas, B. Ridley, J. Walega, J. Greenberg, G. Kok, T. Staffelbach, S. Schauffler, J. Lind, G. Huber, R. Norton, PEM WEST Science Team, E. Dlugokencky, J. Elkins, S. Otmans, G. MacKay, and D. Kamecki.
69. "Biomass Burning Emissions of Atmospheric Methyl Halide and Hydrocarbon Gases in the South Atlantic Region", in *Biomass Burning and Global Change*, Vol. 2, *Biomass Burning in South America, Southeast Asia and Temperate and Boreal Ecosystems, and the Oil Fires of Kuwait*, edited by J. S. Levine, pp. 575-594, MIT Press, Cambridge, Mass., **1996**.
N. J. Blake, D. R. Blake, J. E. Collins Jr., G. W. Sachse, B. E. Anderson, J. A. Brass, P. J. Riggan, and F. S. Rowland

70. Ventilation of Liquefied Petroleum Gas Components from the Valley of Mexico", *Journal of Geophysical Research* **1997**, *102*, 21,197-21,207
S. Elliott, D. R. Blake, F.S. Rowland, R. Lu, M. Brown, M. D. Williams, A. G. Russell, J. E. Bossert, G. E. Streit, M. R. Santoyo, F. Guzman, W. M. Porch, L. A. McNair, J. Keyantash, C.-Y. J. Kao, R. P. Turco, and W. E. Eichinger.
71. "Atmospheric Effects of the Emerging Mainland Chinese Transportation System at and Beyond the Regional Scale", *J. Atmospheric. Chemistry* **1997**, *27*, 31-70
S. Elliott, M. Shen, D. R. Blake, R. Lu, A. G. Russell, C. Y. J. Kao, G. E. Streit, X. P. Zhao, E. I. McCreary, F. S. Rowland, M. J. Brown, and R. P. Turco.
72. "Trace Chemical Measurements from the Northern Midlatitude Lowermost Stratosphere in Early Spring: Distributions, Correlations, and Fate", *Geophysical Research Letters* **1997**, *24*, 127-130
H. B. Singh, Y. Chen, G. L. Gregory, G. W. Sachse, R. Talbot, D. R. Blake, Y. Kondo, J. D. Bradshaw, B. Heikes, and D. Thornton.
73. "Motorization of China Implies Changes in Pacific Air Chemistry and Primary Production", *Geophysical Research Letters* **1997**, *24*, 2671-2674
S. Elliott, D. R. Blake, R. A. Duce, C. A. Lai, I. McCreary, L. A. McNair, F. S. Rowland, A. G. Russell, G. E. Streit, R. P. Turco.
74. "High-Latitude Springtime Photochemistry Part II: Sensitivity Studies of Ozone Production", *J. Atm. Chemistry* **1997** *27*, 155-178
J.A. Herring, D.A. Jaffe, H.J. Beine, S. Madronich, and D. R. Blake.
75. "Distribution and Seasonality of Selected Hydrocarbons and Halocarbons over the Western Pacific Basin during PEM-West A and PEM-West B", *Journal of Geophysical Research* **1997**, *102*, 28,315-28,332
N. J. Blake, D. R. Blake, T.-Y. Chen, J. E. Collins Jr., G. W. Sachse, B. E. Anderson, and F. S. Rowland.
76. "Implications of Large Scale Shifts in Tropospheric NO_x Levels in the Remote Tropical Pacific", *Journal of Geophysical Research* **1997**, *102*, 28,477-28,468
J. H. Crawford, D. D. Davis, G. Chen, J. Bradshaw, S. Sandholm, Y. Kondo, J. Merrill, S. Liu, E. Browell, G. Gregory, B. Anderson, G. Sachse, J. Collins, J. Barrick, D. Blake, R. Talbot, R. P. Turco, and A. Bachmeier.
77. "An Assessment of Ozone Photochemistry in the Extratropical Western North Pacific: Impact of Continental Outflow During the Late Winter/Early Spring", *Journal of Geophysical Research* **1997**, *102*, 28,469-28,488
J. H. Crawford, D. D. Davis, G. Chen, J. Bradshaw, S. Sandholm, Y. Kondo, S. Liu, E. Browell, G. Gregory, B. Anderson, G. Sachse, J. Collins, J. Barrick, D. Blake, R. Talbot, and H. Singh.
78. "On the Significance of Regional Trace Gas Distributions as Derived from Aircraft Campaigns in PEM West A and B", *Journal of Geophysical Research* **1997**, *102*, 28,333-28,352
D. H. Ehhalt, F. Rohrer, A. B. Kraus, M. J. Prather, D. R. Blake, and F. S. Rowland.
79. "Chemical Characteristics of Tropospheric Air Over the Pacific Ocean as Measured During PEM West B: Relationship to Asian Outflow and Trajectory", *Journal of Geophysical Research* **1997**, *102*, 28,725-28,286
G. L. Gregory, J. T. Merrill, M. C. Shipham, D. R. Blake, G. W. Sachse, and H. B. Singh.

80. "Impact of Lightning and Convection on Reactive Nitrogen in the Tropical Free Troposphere, *Journal of Geophysical Research* **1997**, *102*, 28,367-28,384
S. Kawakami, Y. Kondo, M. Koike, H. Nakajima, G. L. Gregory, G. W. Sachse, R. E. Newell, E. Browell, D. R. Blake, J. M. Rodriguez, and J. T. Merrill.
81. "Profiles and Partitioning of Reactive Nitrogen Over the Pacific Ocean in Winter and Early Spring", *Journal of Geophysical Research* **1997**, *102*, 28,405-28,424
Y. Kondo, M. Koike, S. Kawakami, H. B. Singh, H. Nakajima, G. L. Gregory, D. R. Blake, G. W. Sachse, J. T. Merrill and R. E. Newell.
82. "Chemical Characteristics of Continental Outflow from Asia to the Troposphere Over the Western Pacific Ocean During February-March 1994: Results from PEM-West B", *Journal of Geophysical Research* **1997**, *102*, 28,255-28,274
R. W. Talbot, J. E. Dibb, B. L. Lefer, J. D. Bradshaw, S. T. Sandholm, D.R. Blake, N. J. Blake, G. W. Sachse, J. E. Collins, Jr., B. G. Heikes, J. T. Merrill, G. L. Gregory, B. E. Anderson, H. B. Singh, D. R. Thornton, A. R. Bandy, and R. F. Pueschel.
83. "Large-Scale Distributions of Tropospheric Nitric, Formic, and Acetic Acids Over the Western Pacific Basin During Wintertime", *Journal of Geophysical Research* **1997**, *102*, 28,303-28,314,
R. Talbot, J. E. Dibb, B. L. Lefer, E. M. Scheuer, J. D. Bradshaw, S. T. Sandholm, S. Smyth, D. R. Blake, N. J. Blake, G. W. Sachse, J. E. Collins, and G. L. Gregory .
84. "Vertical Transport Of Sulfur Dioxide and Dimethyl Sulfide In Deep Convection and Its Role In New Particle Formation", *Journal of Geophysical Research* **1997**, *102*, 28,501-28,510
D. C. Thornton, A. R. Bandy, B. W. Blomquist, J. D. Bradshaw, and D. R. Blake.
85. "Distribution of Halon-1211 in the Upper Troposphere and Lower Stratosphere and the 1994 Total Bromine Budget", *Journal of Geophysical Research* **1998**, *103*, 1513-1526
P. R. Wamsley, J. W. Elkins, D. W. Fahey, G. S. Dutton, C. M. Volk, R. C. Myers, S. A. Montzka, J. H. Butler, A. D. Clarke, P. J. Fraser, L. P. Steele, M. P. Lucarelli, E. L. Atlas, S. M. Schauffler, D. R. Blake, F. S. Rowland, W. T. Sturges, J. M. Lee, S. A. Penkett, A. Engel, R. M. Stimpfle, K. R. Chan, D. K. Wisenstein, M. K. W. Ko and R. J. Salawitch
86. "Photochemistry in Biomass Burning Plumes and Implications for Tropospheric Ozone over the Tropical South Atlantic", *Journal of Geophysical Research* **1998**, *103*, 8401-8423
D. L. Mauzerall, J. A. Logan, D. J. Jacob, B. E. Anderson, D. R. Blake, J. D. Bradshaw, B. Heikes, G. W. Sachse, J. Singh, and B. Talbot
87. "Photochemical Production and Loss Rates of Ozone at Sable Island, Nova Scotia during the North Atlantic Regional Experiment 1993 Summer Intensive", *Journal of Geophysical Research* **1998**, *103*, 13,531-13,555
K. A. Duderstadt, M. A. Carroll, S. Sillman, T. Wang, G. M. Albercook, L. Feng, D. D. Parrish, J. S. Holloway, F. C. Fehsenfeld, D. R. Blake, N. J. Blake and G. Forbes
88. "Spatial and Temporal Variability of Nonmethane Hydrocarbon Mixing Ratios and their Relation to Photochemical Lifetime", *Journal of Geophysical Research* **1998**, *103*, 13,557-13,567
B. T. Jobson, D. D. Parrish, P. Goldan, W. Kuster, F. C. Fehsenfeld, D. R. Blake, N. J. Blake, and H. Niki
89. "Physico-Chemical Modeling of ACE-1 Lagrangian #B. 1. A Moving Column Approach", *Journal of Geophysical Research* **1998**, *103*, 16,433-16,455
K. Suhre, C. Mari, T. S. Bates, J. E. Johnson, R. Rosset, Q. Wang, A. R. Bandy, D. R. Blake, S. Businger, F. L. Eisele, B. J. Huebert, G. L. Kok, R. L. Mauldin III, A. S. H. Prevot, R. D. Schillawski, D. J. Tanner, And D. C. Thornton

90. "On the Use of Hydrocarbons for the Determination of Tropospheric OH Concentrations", *Journal of Geophysical Research* **1998**, *103*, 18,981-18,997
D. H. Ehhalt, F. Rohrer, A. Wahner, M. J. Prather, and D.R. Blake
91. "Global Atmospheric Distributions and Source Strengths of Light Hydrocarbons and Tetrachloroethene", *Journal of Geophysical Research* **1998**, *103*, 28,219-28,235
M. L. Gupta, R. J. Cicerone, D. R. Blake, F. S. Rowland, I. S. A. Isaksen
92. "Latitudinal Distribution of Reactive Nitrogen in the Free Troposphere over the Pacific Ocean in Late Winter/Early Spring", *Journal of Geophysical Research* **1998**, *103*, 28,237-28,249
H. Singh, W. Viezee, Y. Chen, A. N. Thakur, Y. Kondo, R.W. Talgot, G. L. Gregory, G.W. Sachse, D. R. Blake, J. D. Bradshaw, Y. Wang, and D. J. Jacob.
93. "Physical, Chemical, and Optical Properties of Regional Hazes Dominated by Smoke in Brazil", *Journal of Geophysical Research* **1998**, *103*, 32,059-32,080
J. S. Reid, P. V. Hobbs, R. J. Ferek, D. R. Blake, J. V. Marins, M. R. Dunlap, and C. Liousse
94. "Emission Factors of Hydrocarbons, Halocarbons, Trace Gases and Particles from Biomass Burning in Brazil", *Journal of Geophysical Research* **1998**, *103*, 32,107-32,118
R. J. Ferek, J. S. Reid, P. V. Hobbs, D. R. Blake, and C. Liousse
95. "The Atmospheric Residence Time of Methyl Bromide Estimated from the Junge Spatial Variability Relationship", *Science* **1998**, *281*, 392-396
Jonah J. Colman, Donald R. Blake and F. Sherwood Rowland.
96. "Seasonal Variation in Tropospheric Methyl Bromide Concentrations: Constraints on Anthropogenic Input", *Geophysical Research Letters* **1998**, *25*, 2797-2800
O. W. Wingenter, C. J.-L. Wang, D. R. Blake and F. S. Rowland.
97. "Valley of Mexico Propane Distributions Simulated in an Urban Grid System", *Environmental Sciences and Environmental Computing*, **1999** Volume 1, 38-54
Scott Elliott, Laurie A. McNair, Donald R. Blake, F. Sherwood Rowland, Armistead G. Russell, Michael D. Williams, Gerald E. Streit, Michael J. Brown, Rong Lu, John Keyantash, Richard P. Turco, James E. Bossert, Mohan Gupta, Marisa Ruiz Santoyo, Francisco Guzman
98. "Fueling Asian Modernization", *Env. Sci. & Policy* **1999** *2*, 5-8
S. Elliott, D. R. Blake, H. P. Hanson, F. S. Rowland.
99. "Estimation of Global Vehicular Methyl Bromide Emissions: Extrapolation from a Case Study in Santiago, Chile", *Geophysical Research Letters* **1999**, *26*, 283-286
T.-Y. Chen, D. R. Blake, J. P. Lopez, and F. S. Rowland
100. "Rethinking Reactive Halogen Budgets in the Midlatitude Lower Stratosphere", *Geophysical Research Letters* **1999**, *26*, 1699-1702
V. L. Dvortsov, M. A. Geller, S. Solomon, S. M. Schauffler, E. L. Atlas, and D. R. Blake
101. "Reactive Nitrogen Budget During the NASA SONEX Mission", *Geophysical Research Letters* **1999**, *26*, 3057-3060
R. W. Talbot, J. E. Dibb, E. M. Scheuer, Y. Kondo, M. Koike, H. B. Singh, L. B. Salas, Y. Fukui, J. O. Ballenthin, R. F. Meads, T. M. Miller, D. E. Hunton, A. A. Viggiano, D.R. Blake, N. J. Blake, E. Atlas, F. Flocke, D. J. Jacob, and L. Jaegle

102. "OH and HO₂ Chemistry in the North Atlantic Free Troposphere", *Geophysical Research Letters* **1999**, *26*, 3077-3080
W. H. Brune, D. Tan, I. F. Faloona, L. Jaegle, D. J. Jacob, B. G. Heikes, J. Snow, T. Kondo, R. Shetter, G. W. Sachse, B. Anderson, G. L. Gregory, S. Vay, H. B. Singh, D. D. Davis, J. H. Crawford, and D. R. Blake
103. "Ozone Production in the Upper Troposphere and the Influence of Aircraft during SONEX: Approach of NO_x-saturated Conditions", *Geophysical Research Letters* **1999**, *26*, 3081-3084
L. Jaegle, D. J. Jacob, W. H. Brune, I. C. Faloona, D. Tan, Y. Kondo, G. W. Sachse, B. Anderson, G. L. Gregory, S. Vay, H. B. Singh, D. R. Blake, and R. Shetter
104. "A Meteorological Overview of the Pacific Exploratory Mission (PEM) Tropics Period", *Journal of Geophysical Research* **1999**, *104*, 5585-5622
R. W. Talbot, J. E. Dibb, E. M. Scheuer, D. R. Blake, N. J. Blake, G. L. Gregory, G. W. Sachse, J. D. Bradshaw, S. T. Sandholm, and H. B. Singh
105. "Influence of Biomass Combustion Emissions on the Distribution of Acidic Trace Gases over the Southern Pacific Basin during Austral Springtime", *Journal of Geophysical Research* **1999**, *104*, 5585-5622
R. W. Talbot, J. E. Dibb, E. M. Scheuer, D. R. Blake, N. J. Blake, G. L. Gregory, G. W. Sachse, J. D. Bradshaw, S. T. Sandholm, and H. B. Singh
106. "Distribution of Hydrogen Peroxide and Methylhydroperoxide over the Pacific and South Atlantic Oceans", *Journal of Geophysical Research* **1999**, *104*, 5635- 5646
D. W. O'Sullivan, B. G. Heikes, M. Lee, W. Chang, G. L. Gregory, D. R. Blake and G. W. Sachse
107. "Airborne Observations of the Tropospheric CO₂ Distribution and its Controlling Factors over the South Pacific Basin", *J. Geophysical Research* **1999**, *104*, 5663-5676
S.A. Vay, B. E. Anderson, T. J. Conway, G. W. Sachse, J. E. Collins Jr., D. R. Blake, and D. J. Westberg
108. "Chemical Characteristics of Pacific Tropospheric Air in the Region of the Intertropical Convergence Zone and South Pacific Convergence Zone", *Journal of Geophysical Research* **1999**, *104*, 5677-5696
G. L. Gregory, D. J. Westberg, M. C. Shipman, D. R. Blake, R. E. Newell, H. E. Fuelberg, R. W. Talbot, B. G. Heikes, E. L. Atlas, G. W. Sachse, B. A. Anderson, and d. C. Thornton
109. "Convective Injection and Photochemical Decay of Peroxides in the Tropical Upper Troposphere: Methyl Iodide as a Tracer of Marine Convection", *Journal of Geophysical Research* **1999**, *104*, 5717-5724
D. S. Cohan, M. G. Schultz, D. J. Jacob, B. G. Heikes, and D.R. Blake
110. "Dimethyl Sulfide Oxidation in the Equatorial Pacific: Compariosn of Model Simulations with Field Observations for DMS, SO₂, H₂SO₄(g), MSA(g), MS, and NSS", *Journal Geophysical Research* **1999**, *104*, 5765-5784
D. Davis, G. Chen, A. Bandy, D. Thornton, F. Eisele, L. Mauldin, D. Tanner, D. Lenschow, H. Fuelberg, B. Huebert, J. Heath, A. Clarke, and D. Blake
111. "Aerosol Chemical Composition and Distribution during the Pacific Exploratory Mission (PEM) Tropics", *Journal of Geophysical Research* **1999**, *104*, 5785-5800
J. E. Dibb, R. W. Talbot, E. M. Scheuer, D. R. Blake, N. J. Blake, G. L. Gregory, G. W. Sachse, and D. C. Thornton.

112. "On the Origin of Tropospheric Ozone and NO_x over the Tropical South Pacific", *Journal Geophysical Research* **1999**, *104*, 5829-5844
M. G. Schultz, D. J. Jacob, Y. Wang, J. A. Logan, E. L. Atlas, D. R. Blake, N. J. Glake, J. D. Bradshaw, E. V. Browell, M. A. Fenn, F. Flocke, G. L. Gregory, B. G. Heikes, F. W. Sachse, S. T. Sandholm, R. E. Shetter, H. B. Singh, and R.W.Talbot
113. "Stable Carbon Isotopic Composition of Atmospheric Methane: A Comparison of Surface Level and Free Tropospheric Air", *Journal of Geophysical Research* **1999**, *104*, 13,895-13,910
S. C. Tyler, H. O. Ajie, M. L. Gupta, R. J. Cicerone, D. R. Blake, E. J. Dlugokencky
114. "Trace Gas Mixing Ratios Variability versus Lifetime in the Troposphere and Stratosphere: Observations", *Journal of Geophysical Research* **1999**, *104*, 16,091-16,115
B. T. Jobson, S. A. McKeen, D. D. Parrish, F. C. Fehsenfeld, D. R. Blake, A. H. Golstein, S. M. Schauffler, and J. W. Elkins
115. "Chemical Characteristics of Air from Differing Source Regions during the Pacific Exploratory Mission-Tropics A (PEM-Tropics A)", *Journal of Geophysical Research* **1999**, *104*, 16,181-16, 196
S. Board, H. E. Fuelberg, G. L. Gregory, B. G. Heikes, M. G. Schultz, D. R. Blake, J. E. Dibb, S. T. Sanholm, and R.W. Talbot
116. "Ozone and Aerosol Distributions and Air Mass Characteristics over the South Pacific during the Burning Season", *Journal of Geophysical Research* **1999**, *104*, 16,197-16, 212
M. A. Fenn, E. V. Browell, C. F. Butler, W. B. Grant, S. A Kooi, M. B. Clayton, G. L. Gregory, R. E. Newell, Y. Zhu, J. E. Dibb, H. E. Fuelber, B. E. Anderson, A. R. Bandy, D. R. Blake, J. D. Bradshaw, B. G. Heikes, G. W. Sachse, S. T. Sandholm, H. B. Singh, R. W. Talbot, and D. C. Thornton
117. "Influence of Southern Hemispheric Biomass Burning on Mid-tropospheric Distributions of Nonmethane Hydrocarbons and Selected Halocarbons over the Remote South Pacific", *Journal of Geophysical Research* **1999**, *104*, 16,213-16,232
N. J. Blake, D. R. Blake, O. W. Wingenter, B. C. Sive, L. M. McKenzie, J. P. Lopez, I. J. Simpson, H. E. Fuelber, G. W. Sachse, B. E. Anderson, G. L. Gregory, M. A. Carroll, G. M. Albercook, and F. S. Rowland
118. "Constraints on the Age and Dilution of Pacific Exploratory Mission-Tropics Biomass Burning Plumes from the Natural Radionuclide Tracer ²¹⁰Pb", *Journal of Geophysical Research* **1999**, *104*, 16,233-16, 242
J. E. Dibb, R. W. Talbot, L. D. Meeker, E. M. Scheuer, N. J. Blake, D. R. Blake, G. L. Gregory, and G. W. Sachse
119. "Characterization of the Chemical Signatures of Air Masses Observed during the PEM Experiments over the Western Pacific", *Journal of Geophysical Research* **1999**, *104*, 16,243-16,254
S. Smyth, S. Sandholm, B. Shumaker, W. Mitch, A. Kanvinde, J. Bradshaw, S. Liu, S. McKeen, G. Gregory, B. Anderson, R. Talbot, D. Blake, F. S. Rowland, E. Browell, M. Fenn, J. Merrill, S. Bachmeier, G. Sachse, and J. Collins
120. "Assessment of Upper Tropospheric HO_x Sources over the Tropical Pacific Based on NASA GTE/PEM Data: Net Effect on HO_x and Other Photochemical Parameters", *Journal of Geophysical Research* **1999**, *104*, 16,255-16,274
J. Crawford, D. Davis, J. Olson, G. Chen, S. Liu, G. Gregory, J. Barrick, G. Sachse, S. Sandholm, B. Heikes, H. Singh, and D. Blake

121. "Use of a Mixed-Layer Model to Estimate Dimethylsulfide Flux and Application to Other Trace Gas Fluxes", *Journal of Geophysical Research* **1999**, *104*, 16,275-16,296
D. H. Lenschow, I. R. Paluch, A. R. Bandy, D. C. Thornton, D. R. Blake and I. Simpson
122. "Aircraft Measurements of the Latitudinal, Vertical, and Seasonal Variations of NMHCs, Methyl Nitrate, Methyl Halides, and DMS during the First Aerosol Characterization Experiment (ACE 1)", *Journal of Geophysical Research* **1999**, *104*, 21,803-21,818
N. J. Blake, D. R. Blake, O. W. Wingenter, B. C. Sive, C. H. Kang, D. C. Thornton, A. R. Bandy, E. Atlas, F. Flocke, J. M. Harris, and F.S. Rowland
123. "Tropospheric Hydroxyl and Atomic Chlorine Concentrations, and Mixing Timescales Determined from Hydrocarbon and Halocarbon Measurements made over the Southern Oceans", *Journal of Geophysical Research* **1999**, *104*, 21,819-21,828
O. W. Wingenter, D. R. Blake, N. J. Blake, B. C. Sive, F.S. Rowland, E. Atlas, and F. Flocke
124. "Distributions of Brominated Organic Compounds in the Troposphere and Lower Stratosphere", *Journal of Geophysical Research* **1999**, *104*, 21,513-21,536
S. M. Schauffler, E. L. Atlas, D. R. Blake, F. Flocke, R. A. Lueb, J. M. Lee-Taylor, V. Stroud, and W. Travnicek
125. "An Examination of Chemistry and Transport Processes in the Tropical Lower Stratosphere using Observations of Long-lived and Short-lived Compounds Obtained during STRAT and POLARIS", *Journal of Geophysical Research* **1999**, *104*, 26,625-26,642
F. Flocke, R. L. Herman, R. J. Salawitch, E. Atlas, C. R. Webster, S. M. Schauffler, R. A. Lueb, R. D. May, E. J. Moyer, K. H. Rosenlof, D. C. Scott, D. R. Blake, and T. P. Bui
126. "Rapid Industrialization in Developing Countries: the Challenge to Earth System Research for the New Millennium", *Atmospheric Environment* **1999**, *33*(N4), 683-684
S. Elliott, D. R. Blake, and F. S. Rowland
127. "Evidence of convection as a major source of condensation nuclei in the northern midlatitude upper troposphere", *Geophys. Research Letter*, **2000**, *27*(N3), 369-372
Y. Wang, S. C. Liu, B.E. Anderson, Y. Kondo, G.L. Gregory, G. W. Sachse, S. A. Vay, D. R. Blake, H. B. Singh, And A. M. Thompson
128. "Impact of Aircraft Emissions on the Reactive Nitrogen Over the North Atlantic Flight Corridor region", *Journal of Geophysical Research* **2000**, *105*, 3, 3665-3677
M. Koike, Y. Kondo, H. Ikeda, G. L. Gregory, B. E. Anderson, G. W. Sachse, D. R. Blake, S. C. Liu, H. B. Singh, A. M. Thompson, K. Kita, Y. Zhao, T. Sugita, R. E. Shetter, and N. Toriyama
129. "Nonmethane Hydrocarbon Measurements in the Northern Atlantic Flight Corridor during the Subsonic Assessment Oxone and Nitrogen Oxide Experiment", *Journal of Geophysical Research* **2000**, *105*, 3, 3785-3793
Isobel J. Simpson, B. C. Sive, D. R. Blake, N. J. Blake, T.-Y. Chen, J. P. Lopez, B. E. Anderson, G. W. Sachse, S. A. Vay, H. E. Fuelberg, Y. Kondo, A. M. Thompson, and F. S. Rowland
130. "Case Study of Transport of Tropical Marine Boundary Layer and Lower Tropospheric Air Masses to the Northern Midlatitude Upper Troposphere", *Journal of Geophysical Research* **2000**, *105*, 3, 3757-3769
William B. Grant, Edward V. Browell, Carolyn F. Butler, Marta A. Fenn, Marian B. Clayton, John R. Hannan, Henry E. Fuelberg, Donald R. Blake, Nicola J. Blake, Gerald L. Gregory, Brian G. Heikes, Glen W. Sachse, Hanwant B. Singh, Julie Snow, and Robert W. Talbot

131. "Distribution and Fate of Selected Oxygenated Organic Species in the Troposphere and Lower Stratosphere Over the Atlantic", *Journal of Geophysical Research* **2000**, *105*, 3, 3795-3508
H. Singh, Y. Chen, A. Tabazadeh, Y. Fukui, I. Bey, R. Yantosca, D. Jacob, F. Arnold, K. Wohlfrom, E. Atlas, F. Flecke, D. Blake, B. Heikes, J. Snow, R. Talbot, G. Gregory, G. Sachse, S. Vay, and Y. Kondo
132. "Photochemistry of HO_x in the Upper Troposphere at Northern Midlatitudes", *Journal of Geophysical Research* **2000**, *105*, 3, 3877-3892
L. Jaeglé, D. J. Jacob, W. H. Brune, I. Faloon, D. Tan, B. G. Heikes, Y. Kondo, G. W. Sachse, B. Anderson, G. L. Gregory, H. B. Singh, R. Pueschel, G. Ferry, D. R. Blake and R. E Shetter
133. "Biomass Burning Influences on the Composition of the Remote South Pacific Troposphere: Analysis Based on Observations from PEM-Tropics-A", *Atmospheric Environment* **2000**, *34*, 635-644
H.B. Singh, W. Viezee, Y. Chen, J. Bradshaw, S. Sandholm, D. Blake, N. Blake, B. Heikes, J. Snow, R. Talbot, E. Browell, G. Gregory, G. Sachse, S. Vay
134. "Tropospheric Reactive Odd Nitrogen Over the South Pacific in Austral Springtime", *Journal of Geophysical Research* **2000**, *105*, 3, 6681-6690
R. W. Talbot, J. E. Dibb, E. M. Scheuer, J. D. Bradshaw, S. T. Sandholm, H. B. Singh, D. R. Blake, N. J. Blake, E. Atlas, and F. Flocke
135. "Influence of Convection and Biomass Burning Outflow on Tropospheric Chemistry Over the Tropical Pacific", *Journal of Geophysical Research* **2000**, *105*, 7, 9321-9333
Y. Wang, S. C. Liu, H. Yu, S. T. Sandholm, T. Chen and D. R. Blake
136. "Energy and Material Flow Through the Urban Ecosystem", *Annual Review of Energy and the Environment* **2000**, *25*: 685-740
E. H. Decker, S. Elliott, F. A. Smith, D. R. Blake, and F. S. Rowland
137. "Observations of Ozone and Related Species in the Northeast Pacific During the PHOBEA Campaigns Ground-based Observations at Cheeka Peak", *Journal of Geophysical Research* **2001**, *106*, D7, 7449-7561
D. Jaffe, T. Anderson, D. Covert, B. Trost, J. Danielson, W. Simpson, D. Blake, J. Harris, and D. Streets
138. "Evolution and Chemical Consequences of Lightning-Produced NO_x Observed in the North Atlantic Upper Troposphere", *Journal of Geophysical Research* **2000**, *105*, 15, 19,795-19,809
J. Crawford, D. Davis, J. Olson, G. Chen, S. Liu, H. Fuelberg, J. Hannan, Y. Kondo, B. Anderson, G. Gregory, G. Sachse, R. Talbot, A. Viggiano, B. Keikes, J. Snow, H. Singh, and D. Blake
139. "Observations of Ozone and Related Species in the Northeast Pacific During the PHOBEA Campaigns Airborne Observations", *Journal of Geophysical Research* **2001**, *106*, D7, 7463-7483
R. A. Kotchenruther, D. A. Jaffe, H. J. Beine, T. L. Anderson, J. W. Bottenheim, J. M. Harris, D. R. Blake, and R. Schmitt
140. "Impact of the Leakage of Liquefied Petroleum Gas (LPG) on Santiago Air Quality", *Geophysical Research Letters* **2001**, *28*, 11, 2193-2196
T. Chen, I. J. Simpson, D. R. Blake, and F. S. Rowland
141. "Bromine Oxide – Ozone Interaction Over the Dead Sea", *Journal of Geophysical Research–Atmospheres* **2001**, *106*, D10, 10375-10387
V. Matveev, M. Peleg, D. Rosen, D. S. Tov-Alper, K. Hebestreit, J. Stutz, U. Platt, D. Blake, and M. Luria

142. "Aircraft Measurements of Dimethyl Sulfide (DMS) Using a Whole Air Sampling Technique", *Journal of Atmospheric Chemistry* **2001**, 39, (N2), 191-213
Isobel J. Simpson, J. J. Colman, A. L. Swanson, A. R. Bandy, D. C. Thornton, D. R. Blake, and F. S. Rowland
143. "Evidence From the Pacific Troposphere for Large Global Sources of Oxygenated Organic Compounds", *Nature* **2001**, 410, (N6832), 1078-1081
H. Singh, Y. Chen, A. Staudt, D. Jacob, D. Blake, B. Heikes, and J. Snow
144. "Compensation of Atmospheric CO₂ Buildup through Engineered Chemical Sinkage", *Geophysical Research Letters*, **2001** 28 (N7), 1,235-1,238.
S. Elliott, K. S. Lackner, J. J. Ziock, M. K. Dubey, H. P. Hanson, S. Barr, N. A. Ciszowski, D. R. Blake
145. "An Assessment of HO_x Chemistry in the Tropical Pacific Boundary Layer: Comparison of Model Simulations with Observations Recorded During PEM Tropics A", *Journal of Atmospheric Chemistry* **2001**, 38, (N3), 317-344
G. Chen, D. Davis, J. Crawford, B. Heikes, D. O'Sullivan, M. Lee, F. Eisele, L. Mauldin, D. Tanner, J. Collins, J. Barrick, B. Anderson, D. Blake, J. Bradshaw, S. Sandholm, M. Carroll, G. Albercook, and A. Clarke
146. "Monoaromatic Compounds in Ambient Air of Various Cities: A Focus on Correlations Between the Xylenes and Ethylbenzene", *Atmospheric Environment* **2001**, 35, (N1), 135-149
Anne Monod, B. C. Sive, P. Avino, T. Chen, D. R. Blake, and F. S. Rowland
147. "Description of the Analysis of a Wide Range of Volatile Organic Compounds in Whole Air Samples Collected during PEM-Tropics A and B", *Analytical Chemistry* **2001**, 73 (N15), 3723-3731
J. J. Colman, A. L. Swanson, S. Meinardi, B. C. Sive, D. R. Blake and F. S. Rowland
148. "Large-scale air Mass Characteristics Observed over the Remote Tropical Pacific Ocean during March-April 1999: Results from PEM-Tropics B Field Experiment", *Journal of Geophysical Research*, **2001** 106 (D23), 32,481-32,501
E. V. Browell, M. A. Fenn, C. F. Butler, W. B. Grant, S. Ismail, R. A. Ferrare, S. A. Kooi, V. G. Brackett, M. B. Clayton, M. A. Avery, J. D. W. Barrick, H. E. Fuelberg, J. C. Maloney, R. E. Newell, Y. Zhu, M. J. Mahoney, B. E. Anderson, D. R. Blake, W. H. Brune, B. G. Heikes, G. W. Sachse, H. B. Singh, and R. W. Talbot
149. "Trace Gas Transport and Scavenging in PEM-Tropics B South Pacific Convergence Zone Convection" *Journal of Geophysical Research*, **2001** 106 (D23), 32,591-32,602
K. E. Pickering, A. M. Thompson, H. Kim, A. J. DeCaria, L. Pfister, T. L. Kucsera, J. C. Witte, M. A. Avery, D. R. Blake, J. H. Crawford, B. G. Heikes, G. W. Sachse, Scott T. Sandholm, And Robert W. Talbot
150. "Chemical Characteristics of Air from Different Source Regions during the Second Pacific Exploratory Mission in Tropics (PEM-Tropics B)" *Journal of Geophysical Research*, **2001** 106 (D23), 32,609-32,625 J. C. Maloney, H. E. Fuelberg, M. A. Avery, J. H. Crawford, D. R. Blake, B. G. Heikes, G. W. Sachse, S. T. Sandholm, H. Singh, and R. W. Talbot
151. "Large-scale Latitudinal and Vertical Distributions of NMHCs and Selected Halocarbons in the Troposphere over the Pacific Ocean during the March-April 1999 Pacific Exploratory Mission (PEM-Tropics B)" *Journal of Geophysical Research*, **2001** 106 (D23), 32,627-32,644
N. J. Blake, D. R. Blake, I. J. Simpson, J. P. Lopez, N. A. C. Johnston, A. L. Swanson, A. S. Katzenstein, S. Meinardi, B. C. Sive, J. J. Colman, E. Atlas, F. Flocke, S. A. Vay, M. A. Avery, and F. Sherwood Rowland

152. “Chemical Transport Across the ITCZ in the Central Pacific during an El Nino-Southern Oscillation Cold Phase Event in March-April 1999” *Journal of Geophysical Research*, **2001** 106 (D23), 32,539-32,553
M. A. Avery, D. J. Westberg, H. E. Fuelberg, R. E. Newell, B. E. Anderson, S. A. Vay, G. Waschse, D. R. Blake
153. “Marine Latitude/Altitude OH Distributions: Comparison of Pacific Ocean Observations with Models” *Journal of Geophysical Research*, **2001** 106 (D23), 32,691-32,707
D. Davis, G. Grodzinsky, G. Chen, J. Crawford, F. Eisele, L. Mauldin, D. Tanner, C. Cantrell, W. Brune, D. Tan, I. Faloon, B. Ridley, D. Montzka, J. Walega, F. Grahek, S. Sandholm, G. Sachse, S. Vay, B. Anderson, M. Avery, B. Heikes, J. Snow, D. O’Sullivan, R. Shetter, B. Lefer, D. Blake, N. Blake, M. Carroll, and Y. Wang.
154. “Experimental Evidence for the Importance of Convected Methylhydroperoxide as a Source of Hydrogen Oxide (HOx) Radicals in the Tropical Upper Troposphere” *Journal of Geophysical Research*, **2001** 106 (D23), 32,709-32,716
F. Ravetta, D. J. Jacob, W. H. Brune, B. G. Heikes, B. E. Anderson, D. R. Blake, G. L. Gregory, G. W. Sachse, S. T. Sandholm, R. E. Shetter, H.B. Singh, and R. W. Talbot
155. “Formaldehyde over the Central Pacific during PEM-Tropics B” *Journal of Geophysical Research*, **2001** 106 (D23), 32,717-32,731
Brian Heikes, J. Snow, P. Egli, D. O’Sullivan, J. Crawford, J. Olson, G. Chen, D. Davis, N. Blake, and D. Blake
156. “Factors Controlling Tropospheric O₃, OH, NO_x, and SO₂ over the Tropical Pacific during PEM-Tropics B” *Journal of Geophysical Research*, **2001** 106 (D23), 32,733-32,747
Y. Wang, S. C. Liu, P. H. Wine, D. D. Davis, S. T. Sandholm, E. L. Atlas, M. A. Avery, D. R. Blake, N. J. Blake, W. H. Brune, et al.
157. “Seasonal Differences in the Photochemistry of the South Pacific: A Comparison of Observations and Model Results from PEM-Tropics A and B” *Journal of Geophysical Research*, **2001** 106 (D23), 32,749-32,766
J. R. Olson, J. H. Crawford, D. D. Davis, G. Chen, M. A. Avery, J. D. W. Barrick, G. W. Sachse, S. A. Vay, S. T. Sandholm, D. Tan, W. H. Brune, I. C. Faloon, B. G. Heikes, R. E. Shetter, B. L. Lefer, H. B. Singh, R. W. Talbot, and D. R. Blake
158. “An Investigation of South Pole NO_x Chemistry: Comparison of Model Results with ISCAT Observations”, *Geophysical Research Letters*, **2001** 28 (N19), 3,633-3,636.
G. Chen, D. Davis, J. Crawford, J. B. Nowak, F. Eisele, R. L. Mauldin, D. Tanner, M. Buhr, R. Shetter, B. Lefer, R. Arimoto, A. Hogan, and D. Blake
159. “Implications of the Recent Fluctuations in the Growth Rate of Tropospheric Methane”, *Geophysical Research Letters*, **2002** 29 10.1029/2001GL014521
Isobel J. Simpon, T.-Y. Chen, D. R. Blake, and F. S. Rowland
160. “Photochemically Induced Production of CH₃Br, CH₃I, C₂H₅I, Ethene, and Propene within Surface Snow at Summit, Greenland”, *Atmospheric Environment*, **2002**, 36, 2671-2682
Aaron L. Swanson, N. J. Blake, J. E. Dibb, M. R. Albert, D. R. Blake, and F. Sherwood Rowland
161. “On the Variability of Tropospheric Gases: Sampling, Loss Patterns, and Lifetime”, *Journal of Geophysical Research*, **2002**, 107, (D11), doi:10.1029/2001JD000669.
N. A. C. Johnston, J. J. Colman, D. R. Blake, M. J. Prather, and F. S. Rowland

162. "Emission Characteristics of CO, NO_x, SO₂ and Indications of Biomass Burning Observed at a Rural Site in Eastern China", *Journal of Geophysical Research*, **2002**, 107, (D12), doi:10.1029/2001JD000724.
T. Wang, T. F. Cheung, Y. S. Li, X. M. Yu, and D. R. Blake
163. "The Subtropical Global Plume in the Pacific Exploratory Mission-Tropics A (PEM-Tropics B, and the Global Atmospheric Sampling Program (GASP): How Tropical Emissions Affect the Remote Pacific", *Journal of Geophysical Research*, **2002**, 107, No. D16, DOI 10.1029/2001JD000497
R. B. Chatfield, Z. Guao, G. W. Sachse, D. R. Blake, and N. J. Blake
164. "Methyl Iodide: Atmospheric Budget and use as a Tracer of Marine Convection in Global Models", *Journal of Geophysical Research*, **2002**, 107, No. D17, DOI10.1029/2001JD001151.
N. Bell, L. Hsu, D. J. Jacob, M. G. Schultz, D. R. Blake, J. H. Butler, D. B. King, J. M. Lobert, and E. Maier-Reimer
165. "A Biomass Burning Source of C1-C4 Alkyl Nitrates" *Geophysical Research Letters*, 29, (24), **2002**.
Isobel J. Simpson, S. Meinardi, D. R. Blake, N. J. Blake, F. S. Rowland, E. Atlas and Frank Flocke
166. "Spatiotemporal Variation of Methane and Other Trace Hydrocarbon Concentrations in the Valley of Mexico" *Environmental Science & Policy* **2002** 249 1-13
F. A. Smith, S. Elliott, D. R. Blake, F. Sherwood Rowland
167. "Mixing Ratios of Volatile Organic Compounds (VOCs) in the Atmosphere of Karachi, Pakistan", *Atmospheric Environment*, **2002**, 36, 3429-3443
B. Barletta, S. Meinardi, I. J. Simpson, H. A. Khwaja, D. R. Blake and F. S. Rowland
168. "Tropospheric Chemistry and Composition: VOCs: Overview," in *Encyclopedia of Atmospheric Sciences* Edited by James R. Holton, John A. Pyle, and Judith A. Curry, Academic Press, London, UK, pages 2438-2445, **2002**.
N. J. Blake and D. R. Blake
169. "Emission Estimates of Selected Volatile Organic Compounds from Tropical Savanna Burning in Northern Australia", *Journal of Geophysical Research* 108, (D3), 8406, doi:10.1029/2001JD000841, **2003**
T. Shirai, D. R. Blake, S. Meinardi, F. S. Rowland, J. Russell-Smith, A. Edwards, Y. Kondo, M. Koike, K. Kita, T. Machida, N. Talegawa, N. Nishi, S. Kawakami, and T. Ogawa
170. "The Seasonal Evolution of NMHCs and Light Alkyl Nitrates at Middle to High Northern Latitudes during TOPSE", *Journal of Geophysical Research* 108, (D4), 8359 doi:10.1029/2001JD001467, **2003**
Nicola J. Blake, Donald R. Blake, Barkley C. Sive, Aaron S. Katzenstein, Simone Meinardi, Oliver W. Wingenter, Elliot L. Atlas, Frank Flocke, Brian Ridley, and F. Sherwood Rowland
171. "Springtime Photochemistry at Northern Mid and High Latitudes" *Journal of Geophysical Research* 108, (D4), 8358 doi:10.1029/2001JD002227, **2003**
Yuhang Wang, Brian Ridley, Alan Fried, Christopher Cantrell, Douglas Davis, Gao Chen, Julie Snow, Brian Heikes, Robert Talbot, Jack Dibb, Frank Flocke, Andrew Weinheimer, Nicola Blake, Donald Blake, Richard Shetter, Barry Lefer, Elliot Atlas, Michael Coffey, Jim Walega, and Brian Wert

172. “Ozone Depletion Events Observed in the High Latitude Surface Layer during the TOPSE Aircraft Program”, *Journal of Geophysical Research*, 108 (D4), 8356, doi:10.1029/2001JD001507, **2003**
B. A. Ridley, E. L. Atlas, D. D. Montzka, E. V. Browell, C. A. Cantrell, D. R. Blake, N. J. Blake, L. Cinquini, M. T. Coffey, L. K. Emmons, R. C. Cohen, R. J. DeYoung, J. E. Dibb, F. L. Eisele, F. M. Flocke, A. Fried, F. E. Grahek, W. B. Grant, J. W. Hair, J. W. Hannigan, B. J. Heikes, B. L. Lefer, R. L. Mauldin, J. L. Moody, R. E. Shetter, J. A. Snow, R. W. Talbot, J. A. Thornton, J. G. Walega, A. J. Weinheimer, B. P. Wert, and A. J. Wimmers
173. “Characteristics of Biomass Burning Emission Sources, Transport, and Chemical Speciation in Enhanced Springtime Tropospheric Ozone Profile over Hong Kong”, *Journal of Geophysical Research* 108, (D1), 4015, DOI10.1029/2001JD001555 **2003**
C. Y. Chan, L. Y. Chan, J. M. Harris, S. J. Oltmans, D. R. Blake, Y. Qin, Y. G. Zheng, X. D. Zheng
174. “Springtime Photochemical Ozone Production Observed in the Upper Troposphere over East Asia” *Journal of Geophysical Research*, 108(D3), 8398, doi:10.1029/2001JD000811, **2003**.
Y. Miyazaki, K. Kita, Y. Kondo, M. Koike, M. Ko, W. Hu, S. Kawakami, D. R. Blake, T. Ogawa
175. “Photochemical Production of Ozone in the Upper Troposphere in Association with Cumulus Convection over Indonesia” *Journal of Geophysical Research*, 108 (D3), 8400, doi:10.1029/2001JD000844, **2003**.
K. Kita, S. Kawakami, Y. Miyazaki, Y. Higashi, Y. Kondo, N. Nishi, M. Koike, D. R. Blake, T. Machida, T. Sano, W. Hu, M. Ko, and T. Ogawa
176. “Black Carbon in Aerosol during BIBLE B” *Journal of Geophysical Research*, 108(D3), 8399, doi:10.1029/2001JD000845, **2003**.
J. Ben Liley, D. Baumgardner, Y. Kondo, K. Kita, D. R. Blake, M. Koike, T. Machida, N. Takegawa, S. Kawakami, T. Shirai, and T. Ogawa
177. “Vertical and Meridional Distributions of the Atmospheric CO₂ Mixing Ratio Between Northern Midlatitudes and Southern Subtropics” *Journal of Geophysical Research*, 108(D3), 8401, doi:10.1029/2001JD000910, **2003**.
T. Machida, K. Kita, Y. Kondo, D. Blake, S. Kawakami, G. Inoue, and T. Ogawa
178. “Effects of Biomass Burning, Lightning, and Convection on O₃, CO, and NO_y over Tropical Pacific and Australia in August–October 1998 and 1999” *Journal of Geophysical Research*, 108(D3), 8402, doi:10.1029/2001JD000820, **2003**.
Y. Kondo, M. Koike, K. Kita, H. Ikeda, N. Takegawa, S. Kawakami, D. Blake, S. C. Liu, M. Ko, Y. Miyazaki, H. Irie, Y. Higashi, B. Liley, N. Nishi, Y. Zhao, and T. Ogawa.
179. “Reactive Nitrogen over the Tropical Western Pacific: Influence from Lightning and Biomass Burning during BIBLE A” *Journal of Geophysical Research*, 108(D3), 8403, doi:10.1029/2001JD000823, **2003**.
M. Koike, Y. Kondo, K. Kita, N. Nishi, S. C. Liu, D. Blake, M. Ko, D. Akutagawa, S. Kawakami, N. Takegawa, Y. Zhao, and T. Ogawa
180. “Photochemical Ozone Budget during the BIBLE A and B Campaigns” *Journal of Geophysical Research*, 108(D3), 8404, doi:10.1029/2001JD000800, **2003**.
M. Ko, W. Hu, J. M. Rodriguez, Y. Kondo, M. Koike, K. Kita, S. Kawakami, D. Blake, S. Liu, and T. Ogawa

181. "BIBLE A Whole-Air Sampling as a Window on Asian Biogeochemistry" *Journal of Geophysical Research*, 108(D3), 8407, doi:10.1029/2001JD000790, **2003**.
S. Elliott, D. R. Blake, N. J. Blake, M. K. Dubey, F. Sherwood Rowland, B. C. Sive, and F. A. Smith
182. "Sources of Upper Tropospheric HO_x over the South Pacific Convergence Zone: A Case Study" *Journal of Geophysical Research*, 108 (D2), 8229, doi:10.1029/2000JD000304, **2003**.
C. Mari, C. Saut, D. J. Jacob, F. Ravetta, B. Anderson, M. A. Avery, D. R. Blake, W. H. Brune, I. Faloon, G. L. Gregory, B. G. Heikes, G. W. Sachse, S. T. Sandholm, H. B. Singh, T. W. Talbot, D. Tan, and S. Vay
183. "Airborne Sampling of Aerosol Particles: Comparison between Surface Sampling at Christmas Island and P-3 Sampling during PEM-Tropics B" *Journal of Geophysical Research*, 108 (D2), 8230, doi:10.1029/2001JD000408, **2003**.
J. E. Dibb, R. W. Talbot, G. Seid, C. Jordan, E. Scheuer, E. Atlas, N. J. Blake, and D. R. Blake
184. "Long-Range Transport of Asian Outflow to the Equatorial Pacific" *Journal of Geophysical Research*, 108 (D2), 8322, doi:10.1029/2001JD001418, **2003**.
B. D. Martin, H. E. Fuelberg, N. J. Blake, J. H. Crawford, J. A. Logan, D. R. Blake, and G. W. Sachse
185. "Seasonal Variability of Ozone Mixing Ratios and Budgets in the Tropical Southern Pacific: A GCTM Perspective" *Journal of Geophysical Research*, 108 (D2), 8235, doi:10.1029/2001JD000772, **2003**.
C.-F. Wei, V. R. Kotamarthi, O. J. Ogunson, L. w. Horowitz, S. Walters, D. J. Wuebbles, M. A. Avery, D. R. Blake, E. V. Browell, and G. W. Sachse
186. "Central/Eastern North Pacific Photochemical Precursor Distributions for Fall/Spring Seasons as Defined by Airborne Field Studies" *Journal of Geophysical Research*, 108 (D2), 8240, doi:10.1029/2001JD001044, **2003**.
B. DiNunno, D. Davis, G. Chen, G. Gregory, G. Sachse, B. Anderson, S. Vay, M. Avery, B. Ridley, M. Carroll, J. Walega, D. Montzka, F. Grahek, J. Bradshaw, S. Sandholm, Y. Kondo, G. Kok, D. Blake, N. Blake, J. Barrick, H. Fuelberg, B. Martin, and A. Balok
187. "Steady State Free Radical Budgets and Ozone Photochemistry during TOPSE" *Journal of Geophysical Research*, 108 (D4), 8361, doi:10.1029/2001JD000198, **2003**.
C. A. Cantrell, L. Mauldin, M. Zondlo, F. Eisele, E. Kosciuch, R. Shetter, B. Lefer, S. Hall, T. Campos, B. Ridley, J. Walega, A. Fried, B. Wert, F. Flocke, A. Weinheimer, J. Hannigan, M. Coffey, E. Atlas, S. Stephens, B. Heikes, J. Snow, D. Blake, N. Blake, A. Katzenstein, J. Lopez, E. V. Browell, J. Dibb, E. Scheuer, G. Seid, and R. Talbot
188. "Tunable Diode Laser Measurements of Formaldehyde during TOPSE 2000 Study: Distributions, Trends, and Model Comparisons" *Journal of Geophysical Research*, 108 (D4), 8365, doi:10.1029/2002JD002208, **2003**.
Alan Fried, Y. Wang, C. Cantrell, B. Wert, J. Walega, B. Ridley, E. Atlas, R. Shetter, B. Lefer, M. T. Coffey, J. Hannigan, D. Blake, M. Blake, S. Meinardi, B. Talbot, J. Dibb, E. Scheuer, O. Wingenter, J. Snow, B. Heikes, and Dieter Ehhalt
189. "Seasonal Changes in the Transport of Pollutants into the Arctic Troposphere-model Study" *Journal of Geophysical Research*, 108 (D4), 8367, doi:10.1029/2002JD002199, **2003**.
Andrzej Klonecki, P. Hess, L. Emmons, L. Smith, J. Orlando and D. Blake

190. “Coupled Evolution of BrO_x-ClO_x-HO_x-NO_x Chemistry during Bromine-Catalyzed Ozone Depletion Events in the Arctic Boundary Layer” *Journal of Geophysical Research*, 108 (D4), 8368, doi:10.1029/2002JD002732, **2003**.
M. J. Evans, D. J. Jacob, E. Atlas, C. A. Cantrell, F. Eisele, F. Flocke, A. Fried, R. L. Mauldin, B. A. Ridley, B. Wert, R. Talbot, D. Blake, B. Heikes, J. Snow, J. Walega, A. J. Weinheimer, and J. Dibb
191. “Ozone, Aerosol, Potential Vorticity, and Trace Gas Trends Observed at High-latitudes over North America from February to May 2000” *Journal of Geophysical Research*, 108 (D4), 8369, doi:10.1029/2001JD001390, **2003**.
E. V. Browell, J. W. Hair, C. F. Butler, W. B. Grant R. J. DeYoung, M. A. Fenn, V. G. Brackett, M. B. Clayton, L. A. Brasseur, D. B. Harper, B. A. Ridley, A. A. Klonecki, P. G. Hess, L. K. Emmons, Z. Tie. E. L. Atlas, C. A. Cantrell, A. J. Wimmers, D. R. Blake, M. T. Coffey, J. W. Hannigan, J. E. Dibb, R. W. Talbot, F. Flocke, A. J. Weinheimer, A. Fried, B. Wert, J. A. Snow, and B. L. Lefer
192. “Survey of Whole Air Data from the Second Airborne Biomass Burning and Lightning Experiment using Principal Component Analysis” *Journal of Geophysical Research*, 108, (D5), 4163, doi:10.1029/2002JD002841, **2003**.
Y. Choi, S. Elliott, I. J. Simpson, D. R. Blake, J. J. Colman, M. K. Dubey, S. Meinardi, F. S. Rowland, T. Shirai, and Felisa A. Smith
193. “Latitudinal, Vertical, and Seasonal Variations of C1-C4 Alkyl Nitrates in the Troposphere over the Pacific Ocean during PEM-Tropics A and B: Oceanic and Continental Sources” *Journal of Geophysical Research*, 108, (D2), 8242, doi:10.1029/2001JD001444, **2003**.
Nicola J. Blake, Donald R. Blake, Aaron Swanson, Elliot Atlas, Frank Flocke, and F. Sherwood Rowland
194. “Seasonal Variations of C2-C4 Nonmethane Hydrocarbons and C1-C4 Alkyl Nitrates at the Summit Research Station in Greenland” *Journal of Geophysical Research*, 108, (D2) doi:10.1029/2001JD001445, **2003**.
Aaron Swanson, Nicola J. Blake, Elliot Atlas, Frank Flocke, Donald R. Blake, and F. Sherwood Rowland
195. “Evolution of Gases and Particles from a Savanna Fire in South Africa” *Journal of Geophysical Research*, 108, (D13) doi:10.1029/2002JD002352, **2003**.
P. V. Hobbs, P. Sinha, R. J. Yokelson, T. J. Christian, D. R. Blake, S. Gao, T. W. Kirchstetter, T. Novakov, and P. Pilewskie.
196. “Emissions of Trace Gases and Particles from Savanna Fires in southern Africa” *Journal of Geophysical Research*, 108, (D13) doi:10.1029/2002JD002332, **2003**.
P. Sinha, P. V. Hobbs, R. J. Yokelson, I. T. Bertschi, D. R. Blake, I. J. Simpson, S. Gao, T. W. Kirchstetter, and T. Novakov.
197. “Gaseous Emissions from Flooded Rice Paddy Agriculture” *Journal of Geophysical Research*, 108, (D13) doi:10.1029/2002JD002814, **2003**.
K. R. Redeker, S. Meinardi, D. Blake, and R. Sass.
198. “Removal of NO_x and NO_y in Biomass Burning Plumes in the Boundary Layer over Northern Australia” *Journal of Geophysical Research*, 108, (D10) doi:10.1029/2002JD002505, **2003**.
N. Takegawa, Y. Kondo, M. Koike, M. Ko, K. Kita, D. R. Blake, N. Nishi, W. Hu, J. B. Liley, S. Kawakami, T. Shirai, Y. Miyazaki, J. Ikeda, J. Russel-Smith, and T. Ogawa.

199. “Dimethyl Disulfide (DMDS) and Dimethyl Sulfide (DMS) Emissions from Biomass Burning in Australia” *Geophysical Research Letters*, 30 (9) 1454, doi:10.1029/2003GL016967, **2003**.
S. Meinardi, I. J. Simpson, N. J. Blake, D. R. Blake and F. Sherwood Rowland.
200. “Chemical Transport Modeling of Potential Atmospheric CO₂ Sinks” *Energy Conversion and Management*, 44, **2003** 681-689.
N. A. C. Johnston, D. R. Blake, F. S. Rowland, S. Elliott, K. S. Lackner, H. J Ziock, M. K. Dubey, H. P. Hanson, and S. Barr
201. “Extensive Regional Atmospheric Hydrocarbon Pollution in the Southwestern United States” *Proceedings of the National Academy of Sciences*, 100, **2003** 11975-11979.
A. S. Katzenstein, L. A. Doezema, I. J. Simpson, D. R. Blake, and F. Sherwood Rowland
202. “Airborne Measurement of Inorganic Ionic Components of Fine Aerosol Particles using the Particle-into-Liquid Sampler Coupled to Ion Chromatography Technique during ACE-Asia and TRACE-P” *Journal of Geophysical Research*, 108, (D23) doi:10.1029/2002JD003265, **2003**.
Y.-N. Lee, R. Weber, Y. Ma, D. Orsini, K. Maxwell-Meier, D. Blake, S. Meinardi, G. Sachse, C. Howard, T.-Y. Chen, D. Thronton, F.-H. Tu, and A. Bandy
203. “Synoptic-scale Transport of Reactive Nitrogen over the Western Pacific in Spring” *Journal of Geophysical Research*, 108, (D20) 8788, doi:10.1029/2002JD003248, **2003**.
Y. Miyazaki, Y. Kondo, M. Koike, H. E. Fuelberg, C. M. Kiley, K. Kita, N. Takegawa, G. W. Sachse, F. Flocke, A. J. Weinheimer, H. B. Singh, F. L. Eisele, M. Zondo, R. W. Talbot, S. T. Sandholm, M. A. Avery, and D. R. Blake
204. “Large-scale Ozone and Aerosol Distributions, Air Mass Characteristics, and Ozone Fluxes over the Western Pacific Ocean in late Winter/Early Spring” *Journal of Geophysical Research*, 108, (D 20) doi:10.1029/2002JD003290, **2003**.
E. V. Browell, M. A. Fenn, C. F. Butler, W. B. Grant, V. G. Brackett, J. W. Hair, M. A. Avery, R. E. Newell, Y. Hu, H. E. Fuelberg, D. J. Jacob, B. E. Anderson, E. L. Atlas, D. R. Blake, W. H. Brune, J. E. Dibb, A. Fried, B. G. Heikes, G. W. Sachse, S. T. Sandholm, H. B. Singh, R. W. Talbot, S. A. Vay, R. J. Weber, and K. B. Barlett
205. “Airborne Measurements of Cirrus-Activated C₂Cl₄ Depletion in the Upper Troposphere with Evidence Against Cl Reactions” *Geophysical Research Letters*, 30, (20), 2025, doi:10.1029/2003GL017598, **2003**.
Isobel J. Simpson, Oliver W. Wingenter, David J. Westberg, Henry E. Fuelberg, Christopher M. Kiley, James H. Crawford, Simone Meinardi, Donald R. Blake, and F. Sherwood Rowland
206. “Effects of Biomass Burning and Lightning on Atmospheric Chemistry over Australia and South-East Asia” *International Journal of Wildland Fire*, 12, 271-281, **2003**.
Y. Kondo, M. Takegawa, Y. Miyazaki, M. Ko, M. Koike, K. Kita, S. Kawakami, T. Shirai, T. Ogawa, D. R. Blake, B. Liley, and J. Russell-Smith.
207. “Intercontinental Transport of Pollution Manifested in the Variability and Seasonal Trend of Springtime O₃ at Northern Middle and High Latitudes” *Journal of Geophysical Research*, 108, D21, (DOI 10.1029/2003JD003592), **2003**.
Yuhang Wang, Changsub Shim, Nicola Blake, Donald Blake, Yunsoo Choi, Brian Ridley, Jack Dibb, Anthony Wimmers, Jennie Moody, Frank Flocke, Andrew Weinheimer, Robert Talbot, and Elliot Atlas

208. “Biomass Burning Emission Inventory with Daily Resolution: Application to aircraft observations of Asian outflow” *Journal of Geophysical Research*, 108, D21, DOI 10.1029/2002JD003082, **2003**.
Colette L. Heald, Daniel J. Jacob, Paul I. Palmer, Mathew J. Evans, Glen W. Sachse, Hanwant B. Singh, and Donald R. Blake
209. “Contribution of Biomass and Biofuel emissions to Trace Gas Distributions in Asia during the TRACE-P Experiment” *Journal of Geophysical Research*, 108, D21, DOI 10.1029/2002JD003200, **2003**.
Jung-Hun Woo, David G. Streets, Gregory R. Carmichael, Youhua Tang, Bongin Yoo, Won-Chan Lee, Narisara Thongboonchoo, Simon Pinnock, Gakuji Kurata, Itsushi Uno, Qingyan Fu, Stephanie Vay, Glen w. Sachse, Donald R. Blake, Alan Fried, and Donald C. Thornton
210. “Characteristics and Influence of Biosmoke on the Fine-Particle Ionic Composition Measured in Asian Outflow during the Transport and Chemical Evolution Over the Pacific (TRACE-P) Experiment” *Journal of Geophysical Research*, 108, D21, DOI 10.1029/2002JD003200, **2003**.
Y. Ma, R. J. Weber, Y.-N. Lee, D. A. Orsini, K. Maxwell-Meier, D. C. Thornton, A. R. Bandy, A. D. Clarke, D. R. Blake, G. W. Sachse, H. E. Fuelberg, C. M. Kiley, J.-H. Woo, D. G. Streets, and G. R. Carmichael
211. “Regional-scale Chemical Transport Modeling in support of the Analysis of Observations Obtained during the TRACE-P Experiment” *Journal of Geophysical Research*, 108, D21, DOI 10.1029/2002JD003117, **2003**.
G. R. Carmichael, Y. Tang, G. Kurata, I. Uno, d. Streets, J.-H. Woo, H. Huang, J. Yienger, B. Lefer, R. Shetter, D. Blake, E. Atlas, A. Fried, E. Apel, F. Eisele, C. Cantrell, M. Avery, J. Barrick, G. Sachse, W. Brune, S. Sandholm, Y. Kondo, H. Singh, R. Talbot, A. Bandy, D. Thornton, a. Clarke, and B. Heikes
212. “Influences of Biomass Burning during the Transport and Chemical Evolution Over the Pacific (TRACE-P) Experiment Identified by the Regional Chemical Transport Model” *Journal of Geophysical Research*, 108, D21, DOI 10.1029/2002JD003110, **2003**.
Youhua Tang, Gregory R. Carmichael, Jung-Hun woo, Narisara Thongboonchoo, Gakuji Kurata Itsushi Uno, David G. Streets, Donald R. Blake, Rodney J. Weber, Robert W. Talbot, Yutaka Kondo, Hanwant B. Singh, and Tao Wang
213. “An Assessment of Western North Pacific Ozone Photochemistry Based on Springtime Observations from NASA’s PEM-West B (1994) and TRACE-P (2001) Field Studies” *Journal of Geophysical Research*, 108, D21, DOI 10.1029/2002JD003232, **2003**.
D. D. Davis, G. Chen, J. H. Crawford, S. Liu, D. Tan, S., T. Sandholm, P. Jing, D. M. Cunnold, B. DiNunno, E. V. Browell, W. B. Grant, M. A. Fenn, B. E. Anderson, J. D. Barrick, G. W. Sachse, S. A. Vay, C. H. Hudgins, M. A. Avery, B. Lefer, R. E. Shetter, B. G. Heikes, D. R. Blake, N. Blake, Y. Kondo, and S. Oltmans
214. “Role of Wave Cyclones in Transporting Boundary Layer Air to the Free Troposphere during the Spring 2001 NASA/TRACE-P Experiment” *Journal of Geophysical Research*, 108, 8785, D20, DOI 10.1029/2002JD003105, **2003**.
John R. Hannan, Henery e. Fuelberg, James H. Crawford, Glen W. Sachse, and Donald R. Blake
215. “Chemical Characterization of the Boundary Layer Outflow of Air Pollution to Hong Kong during February – April 2001” *Journal of Geophysical Research*, 108, 8787, D20, DOI 10.1029/2002JD003272, **2003**.
Tao Want, A. J. Ding, D. R. Blake, W. Zahorowski, C. N. Poon, and Y. S. Li

216. “Synoptic-scale Transport of Reactive Nitrogen over the Western Pacific in Spring” *Journal of Geophysical Research*, 108, 8788, D20, DOI 10.1029/2002JD003248, **2003**.
Y. Miyazaki, Y. Kondo, M. Koike, H. E. Fuelberg, C. M. Kiley, K. Kita, N. Takegawa, G. w. Sachse, F. Flocke, A. J. Weinheimer, H. B. Singh, F. L. Eisele, M. Zondlo, R. W. Talbot, S. T. Sandholm, M. A. Avery, and D. R. Blake
217. “Export of Anthropogenic Reactive Nitrogen and Sulfur Compounds from the East Asia Region in Spring” *Journal of Geophysical Research*, 108, 8789, D20, DOI 10.1029/2002JD003284, **2003**.
M. Koike, T. Kondo, K. Kita, N. Takegawa, Y. Masui, Y. Miyazaki, M. w. Ko, A. J. Weinheimer, F. Flocke, R. J. Weber, D. C. Thornton, G. W. Sachse, S. A. Vay, D. R. Blake, D. G Streets, F. L. Eisele, S. T. Sandholm, H. B. Singh, and R. W. Talbot
218. “In Situ Measurements of HCN and CH₃CN over the Pacific Ocean: Sources, Sinks, and Budgets” *Journal of Geophysical Research*, 108, 8795, D20, DOI 10.1029/2002JD003006, **2003**.
H. B. Singh, L. Salas, D. Herlth, R. Kolyer, E. Czech, W. Viezee, Q. Li, D. J. Jacob, D. Blake, G. Sachse, C. N. Harward, H. Fuelberg, C. M. Kiley, Y. Zhao, and Y. Kondo
219. “Highlights of OH, H₂SO₄, and Methane Sulfonic Acid Measurements Made Aboard the NASA P-3B during Transport and Chemical Evolution over the Pacific” *Journal of Geophysical Research*, 108, 8796, D20, DOI 10.1029/2003JD003410, **2003**.
R. L. Mauldin III, C. A. Cantrell, M. Zondlo, E. Kosciuch, F. L. Eisele, G. Chen, D. Davis, R. Weber, J. Crawford, d. Blake, A. Bandy, and D. Thornton
220. “Peroxy Radical Behavior during the Transport and Chemical Evolution over the Pacific (TRACE-P) campaign as Measured Aboard the NASA P-3B Aircraft” *Journal of Geophysical Research*, 108, 8797, D20, DOI 10.1029/2003JD003674, **2003**
Christopher A. Cantrell, G. D. Edwards, S. Stephens, R. L. Mauldin, M. A. Zondlo, E. Kosciuch, F. L. Eisele, R. E. Shetter, B. L. Lefer, S. Hall, F. Flocke, A. Weinheimer, A. Fried, E. Apel, Y. Kondo, D. R. Blake, N. J. Blake, I. J. Simpson, A. R. Bandy, D. C. Thornton, B. G. Heikes, H. B. Singh, W. H. Brune, H. Harder, M. Martinez, D. J. Jacob, M. A. Avery, J. D. Barrick, G. W. Sachse, J. R. Olson, J. H. Crawford, and A. D. Clarke
221. “Airborne Tunable Diode Laser Measurements of Formaldehyde during TRACE-P: Distributions and Box Model Comparisons” *Journal of Geophysical Research*, 108, 8798, D20, DOI 10.1029/2003JD003451, **2003**
Alan Fried, James Crawford, Jennifer Olson, Jim Walega, William Potter, Bryan Wert, Carolyn Jordan, Bruce Anderson, Rick Shetter, Barry Lefer, Donald Blake, Nicola Blake, Simone Meinardi, Brian Heikes, Daniel O’Sullivan, Julie Snow, Henry Fuelberg, Christopher M. Kiley, Scott Sandholm, David Tan, and Gregory R. Carmichael
222. “Influence of Regional-scale Anthropogenic Emissions on CO₂ Distributions over the Western North Pacific” *Journal of Geophysical Research*, 108, 8801, D20, DOI 10.1029/2002JD003094, **2003**
S. A. Vay, J.-H. Woo, B. E. Anderson, K. L. Thornhill, D. R. Blake, D. J. Westberg, C. M. Kiley, M. A. Avery, G. W. Sachse, D. G. Streets, Y. Tsutsumi, and S. R. Nolf
223. “Reactive Nitrogen in Asian Continental Outflow over the Western Pacific: Results from the NASA Transport and Chemical Evolution over the Pacific (Trace-P) Airborne Mission” *Journal of Geophysical Research*, 108, 8803, D20, DOI 10.1029/2002JD003129, **2003**.
R. Talbot, J. Dibb, E. Scheuer, G. Seid, R. Russo, S. Sandholm, D. Tan, H. Singh, D. Blake, N. Blake, E. Atlas, G. Sachse, C. Jordan, and M. Avery

224. “Chemical Composition of Asian Continental Outflow over the Western Pacific: Results from Transport and Chemical Evolution over the Pacific (TRACE-P)” *Journal of Geophysical Research*, 108, 8804, D20, DOI 10.1029/2002JD003184, **2003**.
R. S. Russo, R. W. Talbot, J. E. Dibb, E. Scheuer, G. Seid, C. E. Jordan, H. E. Fuelberg, G. W. Sachse, M. A. Avery, S. A. Vay, D. R. Blake, N. J. Blake, E. Atlas, A. Fried, S. T. Sandholm, D. Tan, H. B. Singh, J. Snow, and B. G. Heikes
225. “NMHCs and Halocarbons in Asian Continental Outflow during the Transport and Chemical Evolution over the Pacific (TRACE-P) Field Campaign: Comparison With PEM-West B” *Journal of Geophysical Research*, 108, 8806, D20, DOI 10.1029/2002JD003367, **2003**.
Nicola J. Blake, Donald R. Blake, Isobel Simpson, Simone Meinardi, Aaron L. Swanson, Jimena P. Lopez, Aaron S. Katzenstein, Barbara Barletta, Tomoko Shirai, Elliot Atlas, Glen Sachse, Melody Avery, Stephanie Vay, Henry E. Fuelberg, Christopher M. Kiley, Kazuyuki Kita, and F. Sherwood Rowland
226. “Large-scale Distribution of CH₄ in the Western North Pacific: Sources and Transport from the Asian Continent” *Journal of Geophysical Research*, 108, 8807, D20, DOI 10.1029/2002JD003076, **2003**.
Karen B. Bartlett, Glen W. Sachse, Thomas Slate, Charles Harward, and Donald R. Blake
227. “Photochemical Production and Evolution of Selected C₂-C₅ Alkyl Nitrates in Tropospheric Air Influenced by Asian Outflow” *Journal of Geophysical Research*, 108, 8808, D20, DOI 10.1029/2002JD002830, **2003**.
Isobel J. Simpson, Nicola J. Blake, Donald R. Blake, Elliot Atlas, Frank Flocke, James H. Crawford, Henry E. Fuelberg, Christopher M. Kiley, Simone Meinardi, and F. Sherwood Rowland
228. “Eastern Asian Emissions of Anthropogenic Halocarbons Deduced from Aircraft Concentration Data” *Journal of Geophysical Research*, 108, 4753, D24, DOI 10.1029/2003JD003591, **2003**.
Paul I. Palmer, Daniel J. Jacob, Loretta J. Mickley, Donald R. Blake, Glen W. Sachse, Henry E. Fuelberg, and Christopher M. Kiley
229. “Asian Outflow and Trans-Pacific Transport of Carbon Monoxide and Ozone Pollution: An Integrated Satellite, Aircraft, and Model Perspective” *Journal of Geophysical Research*, 108, 4804, D24, DOI 10.1029/2003JD003507, **2003**.
Colette L. Heald, Daniel J. Jacob, Arlene M. Fiore, Louisa K. Emmons, John C. Gille, Merritt N. Deeter, Juying Warner, David P. Edwards, James H. Crawford, Amy J. Hamlin, Glen W. Sachse, Edward V. Browell, Melody A. Avery, Stephanie A. Vay, David J. Westberg, Donald R. Blake, Hanwant B. Singh, Scott T. Sandholm, Robert W. Talbot, and Henry E. Fuelberg
230. “Evaluating Regional Emission Estimates Using the TRACE-P Observations” *Journal of Geophysical Research*, 108, 8810, D21, DOI 10.1029/2002JD003116, **2003**.
G. R. Carmichael, Y. Tang, G. Kurata, I. Uno, D. G. Streets, N. Thongboonchoo, J.-H. Woo, S. Guttikunda, A. White, T. Wang, D. R. Blake, E. Atlas, A. Fried, B. Potter, M. A. Avery, G. W. Sachse, S. T. Sandholm, Y. Kondo, R. W. Talbot, A. Bandy, D. Thornton, and A. D. Clarke
231. “Clouds and Trace Gas Distributions during TRACE-P” *Journal of Geophysical Research*, 108, 8818, D21, DOI 10.1029/2002JD003177, **2003**.
J. Crawford, J. Olson, D. Davis, G. Chen, J. Barrick, R. Shetter, B. Lefter, C. Jordan, B. Anderson, A. Clarke, G. Sachse, D. Blake, H. Singh, S. Sandholm, D. Tan, Y. Kondo, M. Avery, F. Flocke, F. Eisele, L. Mauldin, M. Zondlo, W. Brune, H. Harder, M. Martinez, R. Talbot, A. Bandy, and D. Thornton

232. “Relationships of Trace Gases and Aerosols and the Emission Characteristics at Lin'an, a Rural Site in Eastern China, during Spring 2001” *Journal of Geophysical Research*, 109(D19) D19S05/1-D19S05/16, **2004**.
T. Wang, C. H. Wong, T. F. Cheung, D. R. Blake, R. Arimoto, K. Baumann, J. Tang, G. A. Ding, X. M. Yu, Y. S. Li, D. G. Streets, and I. J. Simpson
233. “Constraints on Asian and European Sources of Methane from CH₄-C₂H₆-CO correlations in Asian outflow” *Journal of Geophysical Research*, 109 (D15) D15S16/1-D15S16/15, **2004**.
Yaping Ziao, D. J. Jacob, J. S. Wang, J. A. Logan, P. I. Palmer, P. Suntharalingam, R. M. Yantosca, G. W. Sachse, D. R. Blake and D. G. Streets
234. “Long-term and seasonal variations in the levels of hydrogen peroxide, methylhydroperoxide, and selected compounds over the Pacific Ocean” *Journal of Geophysical Research*, 109 (D15), D15S13/1-D15S13/21, **2004**.
D. W. O’Sullivan, B. G. Heikes, J. Snow, P. Burrow, M. Avery, D. R. Blake, G. W. Sachse, R. W. Talbot, D. C. Thornton, and A. R. Bandy
235. “Impacts of Biomass Burning in Southeast Asia on Ozone and Reactive Nitrogen over the Western Pacific in Spring” *Journal of Geophysical Research*, 109(D15), D15S12/1-D15S12/22, **2004**.
Y. Kondo, Y. Morion, N. Takegawa, M. Koike, K. Kita, Y. Miyazaki, G. W. Sachse, S. Vay, M. A. Avery, F. Glocke, A. J. Weinheimer, F. L. Eisele, M. A. Zondlo, R. J. Weber, H. B. Singh, G. Chen, J. Crawford, D. R. Blake, H. E. Fuelberg, A. D. Clarke, R. W. Talbot, S. T. Sandholm, E. V. Browell, D. G. Streets and B. Liley
236. “Testing fast photochemical theory during TRACE-P Based on Measurements of OH, HO₂, and CH₂O” *Journal of Geophysical Research*, 109 (D15), D15S10/1-D15S10/16, **2004**.
J. R. Olson, J. H. Crawford, G. Chen, A. Fried, M. J. Evans, C. E. Jordan, S. T. Sandholm, D. D. Davis, B. E. Anderson, M. A. Avery, J. D. Barrick, D. R. Blake, W. H. Brune, F. L. Eisele, F. Flocke, H. Harder, D. J. Jacob, Y. Kondo, B. L. Lefer, M. Martinez, R. L. Mauldin, G. W. Sachse, R. E. Shetter, H. B. Singh, R. W. Talbot, and D. Tan
237. “Long-range Transport of Sulfur Dioxide in the Central Pacific” *Journal of Geophysical Research*, 109 (D15), D15S08/1-D15S08/17, **2004**.
F. H. Tu, D. C. Thornton, A. R. Bandy, G. R. Carmichael, Y. Tang, K. L. Thronhill, G. W. Sachse, and D. R. Blake
238. “Analysis of the Atmospheric Distribution, Sources, and Sinks of Oxygenated Volatile Organic Chemicals Based on Measurements over the Pacific during TRACE-P” *Journal of Geophysical Research*, 109 (D15), D15S07/1-D15S07/20, **2004**.
H. B. Singh, L. J. Salas, R. B. Chatfield, E. Czech, A. Fried, J. Walega, M. J. Evans, B. D. Field, D. J. Jacob, D. Blake, B. Heikes, R. Talbot, G. Sachse, J. H. Crawford, M. A. Avery, S. Sandholm, and H. Fuelberg
239. “Carbonyl Sulfide and Carbon Disulfide: Large-scale distributions over the western Pacific and emissions from Asia during TRACE-P” *Journal of Geophysical Research*, 109(D15), D15S05/1-D15S05/15, **2004**.
N. J. Blake, D. G. Streets, J.-H. Woo, I. J. Simpson, J. Green, S. Meinardi, K. Kita, E. Atlas, H. E. Fuelberg, G. Sachse, M. A. Avery, S. A. Vay, R. W. Talbot, J. E. Dibb, A. R. Bandy, D. C. Thornton, F. S. Rowland and D. R. Blake
240. “Exposure to Hazardous Volatile Organic Compounds, PM₁₀ and CO While Walking Along Streets in Urban Guangzhou, China” *Atmospheric Environment*, 38(36), 6177-6184, **2004**.
L. Zhao, X. Wang, Q. He, H. Wang, G. Sheng, L. Y. Chan, J. Fu, and D. R. Blake

241. “Comprehensive Laboratory Measurements of Biomass-burning Emissions: 2. First Intercomparison of Open-path FTIR, PTR-MS, and GC-MS/FID/ECD” *Journal of Geophysical Research*, 109(D2), D02311/1-D02311/12, **2004**.
T. J. Christian, B. Kleiss, R. J. Yokelson, R. Holzinger, P. J. Crutzen, W. M. Hao, T. Shirai, and D. R. Blake
242. Organic Trace Gases of Oceanic Origin Observed at South Pole during ISCAT 2000. *Atmospheric Environment*, 38(32), 5463-5472, **2004**.
Aaron L. Swanson, D. D. Davis, R. Arimoto, P. Roberts, E. L. Atlas, F. Flocke, S. Meinardi, F. S. Rowland, and D. R. Blake
243. “A Reassessment of HO_x South Pole Chemistry Based on Observations Recorded during ISCAT 2000” *Atmospheric Environment*, 38(32), 5451-5461, **2004**.
G. Chen, D. D. Davis, J. Crawford, L. M. Hutterli, L. G. Huey, D. Slusher, L. Mauldin, F. Eisele, D. Tanner, J. Dibb, M. Buhr, J. McConnel, B. Lefer, R. Shetter, D. Blake, C. H. Song, K. Lombardi, and J. Arnoldy
244. “An overview of ISCAT 2000” *Atmospheric Environment*, 38(32), 5363-5373, **2004**.
D. D. Davis, F. Eisele, G. Chen, J. Crawford, G. Huey, D. Tanner, D. Slusher, L. Mauldin, S. Oncley, D. Lenschow, S. Semmer, R. Shetter, B. Lefer, R. Arimoto, A. Hogan, P. Grube, M. Lazzara, A. Bandy, D. Thornton, H. Berresheim, H. Bingemer, M. Hutterli, J. McConnel, R. Blaes, J. Dibb, M. Buhr, J. Park, P. McMurry, A. Swanson, S. Meinardi, and D. Blake
245. “Emissions from Miombo Woodland and Dambo Grassland Savanna Fires” *Journal of Geophysical Research*, 109 (D11), D11305/1-D11305/13, **2004**.
P. Sinha, P. V. Hobbs, R. J. Yokelson, D. R. Blake, S. Gao, and T. W. Kirchstetter
246. “Source Contributions to Ambient VOCs and CO at a Rural Site in Eastern China” *Atmospheric Environment*, 38(27), 4551-4560, **2004**.
H. Guo, T. Wang, I. J. Simpson, D. R. Blake, X. M. Yu, Y. H. Kwok, and Y. S. Li
247. “Long-term Decrease in the Global Atmospheric Burden of Tetrachloroethene (C₂Cl₄)” *Geophysical Research Letters*, 31(8), L08108/1-L08108/5, **2004**.
I. J. Simpson, S. Meinardi, N. J. Blake, F. S. Rowland, and D. R. Blake
248. “Changing Concentrations of CO, CH₄, C₅H₈, CH₃Br, CH₃I, and Dimethyl Sulfide during the Southern Ocean Iron Enrichment Experiments” *Proceedings of the National Academy of Sciences of the United States of America*, 101(23), 8537-8541, **2004**.
O. W. Wingenter, K. B. Haase, P. Strutton, G. Friederich, S. Meinardi, D. R. Blake, and F. S. Rowland
249. “Photochemistry in the Arctic Free Troposphere: Ozone Budget and Its Dependence on Nitrogen Oxides and the Production Rate of Free Radicals” *Journal of Atmospheric Chemistry*, 47(2), 107-138, **2004**.
C. Stroud, S. Madronich, E. Atlas, C. Cantrell, A. Fried, B. Wert, B. Ridley, F. Eisele, L. Mauldin, R. Shetter, B. Lefer, F. Flocke, A. Weinheimer, M. Coffey, B. Heikes, R. Talbot, and D. Blake
250. “Photochemistry of Ozone over the Western Pacific from Winter to Spring” *Journal of Geophysical Research*, 109(D23), D23S02, **2004**.
Y. Kondo, K. Nakamura, G. Chen, N. Takegawa, M. Koiki, Y. Miyazaki, K. Kita, J. Crawford, M. Ko, D. R. Blake, T. Shirai, B. Liley, Y. Wang, and T. Ogawa

251. "Removal of NO_x and NO_y in Asian Outflow Plumes: Aircraft measurements over the western Pacific in January 2002" *Journal of Geophysical Research*, 109(D23), D23S04, **2004**.
N. Takegawa, Y. Kondo, M. Koike, G. Chen, T. Machida, T. Watai, D. R. Blake, D. G. Streets, J.-H. Woo, G. R. Carmichael, K. Kita, Y. Miyazaki, T. Shirai, J. B. Liley, and T. Ogawa
252. "Asian Chemical Outflow to the Pacific in Late Spring Observed during the PEACE-B Aircraft Mission" *Journal of Geophysical Research*, 109(D23), D23S05, **2004**.
N. Oshima, M. Koike, H. Nakamura, Y. Kondo, N. Takegawa, Y. Miyazaki, D. R. Blake, T. Shirai, K. Kita, S. Kawakami, and T. Ogawa
253. "Vertical Profile and Origin of Wintertime Tropospheric Ozone over China during the PEACE-A Period" *Journal of Geophysical Research*, 109(D23), D23S06, **2004**.
C. Y. Chan, X. D. Zheng, L. Y. Chan, H. Cui, E. W. L. Ginn, Y. K. Leung, H. M. Lam, Y. G. Zheng, Y. Qin, C. S. Zhao, T. Wang, D. R. Blake, and Y. S. Li
254. "Global Budget of Methanol: Constraints from Atmospheric Observations" *Journal of Geophysical Research*, 110 (D8) (DOI 10.1029/2004JD005172) 27 April **2005**.
D. J. Jacob, B. D. Field, Q. Li, D. R. Blake, J. de Gouw, C. Warneke, A. Hansel, A. Wisthaler, H. B. Sing, and G. Guenther
255. "Contribution of particulate nitrate to airborne measurements of total reactive nitrogen" *Journal of Geophysical Research*, 110(D15), D15304, **2005**.
Y. Miyazaki, Y. Kondo, N. Takegawa, R. J. Weber, M. Koike, K. Kita, M. Fukada, Y. Ma, A. D. Clarke, V. N. Kapustin, F. Flocke, A. J. Weinheimer, M. Zondlo, f. L. Eisele, D. R. Blake, and B. Liley
256. "Breath Sulfides and Pulmonary Function in cystic Fibrosis", *Proceedings of the National Academy of Sciences of the United States of America*, 102 (44), 15762-15767, **2005**.
M. A. Kamboures, D. R. Blake, D. M. Cooper, R. L. Newcomb, M. Barker, J. K. Larson, S. Meinardi, E. Nussbaum, and F. S. Rowland
257. "Atomic Chlorine Concentrations Derived from Ethane and Hydroxyl Measurements over the Equatorial Pacific Ocean: Implication for Dimethyl Sulfide and Bromine Monoxide", *Journal of Geophysical Research*, 110 (D20308) (doi: 10.1029/2005JD005875) **2005**.
O. Wingenter, B. C. Sive, N. J. Blake, D. R. Blake and F. S. Rowland
258. "New Mineral Occurrences and Mineralization Processes: Wuda Coal-Fire Gas Vents of Inner Mongolia" *American Mineralogist*, 90, 1729-1739, **2005**.
G. B. Stracher, A. Prakash, P. Schroeder, J. McCormack, X. Zhang, P. Van Dijk, and D. R. Blake
259. "Gaseous and Particulate Emissions from Prescribed Burning in Georgia" *Environment Science and Technology*, 39, 9049-9056, **2005**.
S. Lee, K. Baumann, J. J. Schauer, R. J. Sheesley, L. P. Naeher, S. Meinardi, D. R. Blake, E. S. Edgerton, A. G. Russell, and M. Clements
260. "Volatile Organic Compounds in 43 Chinese Cities" *Atmospheric Environment*, 39 5979-5990, **2005**.
B. Barletta, S. Meinardi, F. S. Rowland, C.-Y. Chan, X. Wang, S. Zou, L. Y. Chan and D. R. Blake
261. "Breath Ethanol and Acetone as Indicators of Serum Glucose Levels: an initial report" *Diabetes Technol Ther.* 7(1):115-23 **2005**.
Galassetti PR, Novak B, Nemet D, Rose-Gottron C, Cooper DM, Meinardi S, Newcomb R, Zaldivar F, Blake DR.

262. “Long-term Atmospheric Measurements of C1-C5 Alkyl Nitrates in the Pearl River Delta Region of Southeast China”, *Atmospheric Environment*, *40*, 1619-1632, **2006**.
I. J. Simpson, T. Wang, H. Guo, Y. H. Kwok, F. Flocke, E. Atlas, S. Meinardi, F. S. Rowland, D. R. Blake
263. “Late-Spring Increase of Trans-Pacific Pollution Transport in the Upper Troposphere”, *Geophysical Research Letters*, *33* (L01811) (doi:10.1029/2005GL024975) **2006**.
Y. Wang, Y. Choi, T. Zeng, B. Ridley, M. Blake, D. Blake and F. Flocke
264. “Characteristics of Nonmethane Hydrocarbons (NMHCs) in Industrial, Industrial-urban, and Industrial-suburban Atmospheres of the Pearl River Delta (PRD) Region of South China” *Journal of Geophysical Research*, *111*, D11304, doi: 10.1029/2005JD006481, **2006**.
L.-Y. Chan, K.-W. Chu, S.-C. Zou, C.-Y. Chan, X.-M. Wang, B. Barletta, D. R. Blake, H. Guo, and W.-Y. Tsai
265. “Ambient Halocarbon Mixing Ratios in 45 Chinese Cities” *Atmospheric Environment*, *40*, 7706-7719 **2006**.
B. Barletta, S. Meinardi, I. J. Simpson, F. S. Rowland, C.-Y. Chan, X. Want, S. Zou, L. Y. Chan, and D. R. Blake
266. “Influence of Biomass Burning during Recent Fluctuations in the Slow Growth of Global Tropospheric Methane” *Geophysical Research Letters*, *30*, L22808, doi:10.1029/2006GL0237330, **2006**.
Isobel J. Simpson, F. Sherwood Rowland, Simone Meinardi, and Donald R. Blake
267. “Establishing Lagrangian Connections between Observations within Air Masses Crossing the Atlantic during the International Consortium for Atmospheric Research on Transport and Transformation Experiment” *Journal of Geophysical Research*, *111*, D23S62 doi:10.1029/2006JD007540, **2006**.
J. Methven, S. R. Arnold, A. Stohl, M. J. Evans, M. Avery, K. Law, A. C. Lewis, P. S. Monks, D. Parrish, C. E. Reeves, H. Schlager, E. Atlas, D. R. Blake, H. Coe, J. Crosier, F. M Flocke, J. S. Holloway, J. R. Hopkins, J. McQuaid, R. Purvis, B. Rappengluck, H. B. Singh, N. M. Watson, L. K. Whalley, and P. I. Williams.
268. “Inverse Modeling of the Global Methyl Chloride Sources” *Journal of Geophysical Research*, *111*, D16307 doi:10.1029/2005JD006696, **2006**.
Y. Yoshida, Y. Wang, C. Shim, D. Cunnold, D. R. Blake, and Geoffrey S. Dutton
269. “Exhaled Aromatic Volatile Organic Compounds as Markers of Intravenously Induced Hyperglycemia” *Diabetes*, *55*, A92-A92 Suppl. 1, **2006**.
P. Galassetti, B. Novak, S. Meinardi, R. Flores, D. M. Cooper, and D. Blake
270. “Halogen-driven Low-altitude O₃ and Hydrocarbon Losses in Spring at Northern High Latitudes” *Journal of Geophysical Research*, *111* (D17) D17313, **2006**.
T. Zeng, Y. H. Wang, K. Chance, N. Blake, D. Blake, and B. Ridley
271. “Formaldehyde Distribution over North America: Implications for Satellite Retrievals of Formaldehyde Columns and Isoprene Emission” *Journal of Geophysical Research*, *111*(D24) D24S02, **2006**.
D. B. Millet, D. J. Jacob, S. Turquety, R. C. Hydman, S. L. Wu, A. Fried, J. Walega, B. G. Heikes, D. R. Blake, H. B. Singh, B. E. Anderson, and A. D. Clarke

272. "Evolution of Submicron Organic Aerosol in Polluted Air Exported from Tokyo" *Geophysical Research Letters*, 33 (15) L15814, **2006**.
N. Takegawa, T. Miyakawa, Y. Kondo, D. R. Blake, Y. Kanaya, M. Koike, M. Fukuda, Y. Komazaki, Y. Miyazaki, A. Shimono, and T. Takeuchi
273. "Vehicular Fuel Composition and Atmospheric Emissions in South China: Hong Kong, Macau, Guangzhou, and Zhuhai" *Atmospheric Chemistry and Physics*, 6, 3281-3288, **2006**.
W. Y. Tsai, L. Y. Chan, D. R. Blake, and K. W. Chu
274. "Hydrocarbon Emissions from a Modern Commercial Airliner" *Atmospheric Environment*, 40 (19), 3601-3612, **2006**.
B. E. Anderson, G. Chen, and D. R. Blake
275. "Regional and Local Contributions to Ambient Non-methane Volatile Organic Compounds at a Polluted Rural/Coastal Site in Pearl River Delta, China" *Atmospheric Environment*, 40 (13) 2345-2359, **2006**.
H. Guo, T. Wang, D. R. Blake, I. J. Simpson, Y. H. Kwok, and Y. S. Li
276. "Preliminary Investigation on Levels and Trends of Atmospheric Chlorodifluoromethane (HCFC-22) in the Pearl River Delta" *Huanjing Kexue Xuebao*, 26 987-991, **2006**.
Fang Zhang, Xinming Wang, Zhigang Yi, Longfeng Li, Chuenyu Chan, Loyin Chan and Donald R. Blake
277. "Ozone production and Hydrocarbon Reactivity in Hong Kong, Southern China" *Atmospheric Chemistry and Physics*, 7: 557-573, **2007**.
J. Zhang, T. Wang, W. L. Chameides, C. Cardelino, J. Kwok, D. R. Blake, A. Ding, and K. L. So
278. "Direct Measurements of the Convective Recycling of the Upper Troposphere" *Science*, 325 (5813) 816-820, **2007**.
T. H. Bertram, A. E. Perring, P. J. Wooldridge, J. D. Crouse, A. J. Kwan, P. O. Wennberg, E. Scheuer, J. Dibb, M. Avery, G. Sachse, S. Vay, J. H. Crawford, C.S. McNaughton, S. Ceameron, A. Clarke, K. E. Pickering, H. Fuelberg, G. Huey, D. R. Blake, H. B. Singh, S. R. Hall, R. E. Shetter, A. Fried, B. G. Heikes, and R. C. Cohen
279. "Unexpected Consequences of Increasing CO₂ and Ocean Acidity on Marine Production of DMS and CH₂ClI: Potential Climate Impacts" *Geophysical Research Letters*, 34, L05710, **2007**.
O. W. Wingenter, K. B. Haase, M. Zeigler, D. R. Blake, F. S. Rowland, B. C. Sive, A. Paulin, R. Thyrhaug, A. Larsen, K. Schultz, M. Meyerhoefer, and U. Riebesell
280. "C-1-C-8 Volatile Organic Compounds in the Atmosphere of Hong Kong: Overview of Atmospheric Processing and Source Apportionment" *Atmospheric Environment*, 41 (7), 1456-1472, **2007**.
H. Guo, K. L. So, I. J. Simpson, B. Barletta, S. Meinardi, and D. R. Blake
281. "The Spontaneous Combustion of Coal and its By-products in Witbank and Sasolburg Coalfields of South Africa" *International Journal of Coal Geology*, 72, 124-140, **2007**.
J. Denis N. Pone, Kim A. A. Hein, Glenn B. Stracher, Harold J. Annegarn, Robert B. Finleman, Donald R. Blake, John K. McCormack, and Paul Schroeder
282. "Airborne and Ground-based Measurements of Fire and Biogenic Emissions during the 2004 Amazonian Dry Season" *Integrated Land Ecosystem – Atmosphere Processes Study*, 4, **2007**.
Robert J. Yokelson, Thomas Karl, Ted J. Christian, Paulo Artaxo, João A. Carvalho Jr., Ernesto C. Alvarado, Jim Greenberg, Donald R. Blake and Alex Guenther

283. "Measurements of Pollution in the Troposphere (MOPITT) Validation Exercises during Summer 2004 Field Campaigns over North America" *Journal of Geophysical Research*, 112(D12) D12S02, **2007**.
L.K. Emmons, G. G. Foster, D. P. Edwards, J. C. Gille, G. Sachse, D. Blake, S. Wofsy, C. Gerbig, D. Matross, and P. Nedelec
284. "Effects of Mixing on Evolution of Hydrocarbon Ratios in the Troposphere" *Journal of Geophysical Research*, 112(D10) D10S34, **2007**.
D. D. Parrish, A. Stohl, C. Forster, E. L. Atlas, D. R. Blake, P. D. Goldan, W. C. Kuster, and J. A. de Gouw
285. "Space-based Formaldehyde Measurements as Constraints on Volatile Organic Compound Emissions in East and South Asian and Implications for Ozone" *Journal of Geophysical Research*, 112(D6) D06312, **2007**.
T. M. Fu, D. J. Jacob, P. I. Palmer, K. Chance, Y. X. X. Wang, B. Barletta, D. R. Blake, J. C. Stanton, and M. J. Pilling
286. "Reactive Nitrogen Distribution and Partitioning in the North American Troposphere and Lowermost Stratosphere" *Journal of Geophysical Research*, 112(D12) D12S04, **2007**.
H. B. Singh, L. Salas, D. Herlith, R. Kolyer, E. Czech, M. Avery, J. H. Crawford, R. B. Pierce, G. W. Sachse, D. R. Blake, R. C. Cohen, T. H. Bertram, A. Perring, P. J. Wooldridge, J. Dibb, G. Huey, R. C. Hudman, S. Turquety, L. K. Emmons, F. Flocke, Y. Tang, G. R. Carmichael, and L. W. Horowitz
287. "Alkyl Nitrates in Outflow from North America over the North Atlantic during Intercontinental Transport of Ozone and Precursors 2004" *Journal of Geophysical Research*, 112(D10) D10S37, **2007**.
C. E. Reeves, J. Slemr, D. E. Oram, D. Worton, S. A. Penkett, D. J. Stewart, R. Pruvic, N. Watson, J. Hopkins, A. Lewis, J. Methven, D. R. Blake, and E. Atlas
288. "Summertime Influence of Asian Pollution in the Free Troposphere over North America" *Journal of Geophysical Research*, 112(D12) D12S11, **2007**.
Q. Liang, L. Jaegle, R. C. Hudman, S. Turquety, D. J. Jacob, M. A. Avery, E. V. Browell, G. W. Sachse, D. R. Blake, W. Bruen, X. Ren, R. C. Cohen, J. E. Dibb, A. Fried, H. Fielberg, M. Porter, B. G. Heikes, G. Huey, H. B. Singh, and P. O. Weinberg
289. "Processes Influencing Ozone Levels in Alaskan Forest Fire Plumes during Long-Range Transport over the North Atlantic" *Journal of Geophysical Research*, 112(D10) D10S41, **2007**.
E. Real, K. S. Law, B. Weinziel, M. Fiebig, A. Petzold, O. Wild, J. Methven, S. Arnold, A. Stohl, H. Huntrieser, A. Roiger, H. Schlager, D. Stewart, M. Avery, G. Sachse, E. Browell, R. Ferrare, and D. Blake
290. "Statistical Inference of OH Concentrations and Air Mass Dilution Rates from Successive Observations of Nonmethane Hydrocarbons in Single Air Masses" *Journal of Geophysical Research*, 112(D10) D10S40, **2007**.
S. R. Arnold, J. Methven, M. J. Evans, M. P. Chipperfield, A. C. Lewis, J. R. Hopkins, J. B. McQuaid, N. Watson, R. M. Purvis, J. D. Lee, E. O. Atlas, D. R. Blake and B. Rappengluck
291. "Impact of Asian Continental Outflow on the Concentrations of O₃, CO, NMHCs and Halocarbons on Jeju Island, South Korea during March 2005" *Atmospheric Environment*, 41 (14), 2933-2944, **2007**.
H. L. A. Wong, t. Wang, A. Ding, D. R. Blake and J. C. Nam

292. “Strong Evidence for Negligible Methyl Chloroform (CH₃CCl₃) Emissions from Biomass Burning” *Geophysical Research Letters*, 34, (10) L10805, **2007**.
I. J. Simpson, N. J. Blake, D. R. Blake, S. Meinardi, M. P. S. Andersen, and F. S. Rowland
293. “Source Characteristics of Oxygenated Volatile Organic Compounds and Hydrogen Cyanide” *Journal of Geophysical Research*, 112(D10) D10305, **2007**.
C. S. Shim, Y. H. Wang, H. B. Singh, D. R. Blake, and A. B. Guenther
294. “Determination of Urban Volatile Organic Compound Emission Ratios and Comparison with an Emissions Database” *Journal of Geophysical Research*, 112(D10) D10S47, **2007**.
C. Warneke, S. A. McKeen, J. A. de Gouw, P. D. Goldan, W. C. Kuster, J. S. Holloway, E. J. Williams, B. M. Lerner, D. D. Parrish, M. Trainer, F. C. Fehsenfeld, S. Kato, E. L. Atlas, A. Baker, and D. R. Blake
295. “Evolution of Mixing State of Black Carbon Particles: Aircraft Measurements over the Western Pacific in March 2004” *Geophysical Research Letters*, 34, (11) L11803, **2007**.
N. Moteki, Y. Kondo, Y. Miyazaki, N. Takegawa, Y. Komazaki, G. Kurata, T. Shirai, D. R. Blake, T. Miyakawa, and M. Koike
296. “Improving Regional Ozone Modeling through Systematic Evaluation of Errors using the Aircraft Observations during the International consortium for Atmospheric Research on Transport and Transformation” *Journal of Geophysical Research*, 112(D12) D12S19, **2007**.
M. Mena-Carrasco, Y. Tang, G. R. Carmichael, T. Chai, N. Thongbongchoo, J. E. Campbell, S. Kulkarni, L. Horowitz, J. Vukovich, M. Avery, W. Brune, J. E. Dibb, L. Emmons, F. Flocke, G. W. Sachse, D. Tan, R. Shetter, R. W. Talbot, D. G. Streets, G. Frost, and D. Blake
297. “On the Use of Nonmethane Hydrocarbons for the Determination of Age Spectra in the Lower Stratosphere” *Journal of Geophysical Research*, 112(D12) D11208, **2007**.
D. H. Ehhalt, F. Rohrer, D. R. Blake, D. E. Kinnison, and P. Konopka
298. “Are Methyl Halides Produced on all Ice Surfaces? Observations from Snow-laden Field Sites” *Atmospheric Environment*, 41 (24), 5162-5177, **2007**.
A. L. Swanson, N. J. Blake, D. R. Blake, F. S. Rowland, J. E. Dibb, B. L. Lefer, and Elliot Atlas
299. “Observations of Hydroxyl and the Sum of Peroxy Radicals at Summit, Greenland during Summer 2003” *Atmospheric Environment*, 41 (24), 5122-5137, **2007**.
S. J. Sjostedt, L. G. Huey, D. J. Tanner, J. Peischl, G. Chen, J. E. Dibb, B. Lefer, M. A. Hutterli, A. J. Beyersdorf, N. J. Blake, D. R. Blake, D. Sueper, T. Ryerson, J. Burkhardt, and A. Stohl
300. “Hydroxyl Concentration Estimates in the Sunlit Snowpack at Summit, Greenland” *Atmospheric Environment*, 41 (24), 5101-5109, **2007**.
A. J. Beyersdorf, N. J. Blake, A. L. Swanson, S. Meinardi, J. E. Dibb, S. Sjostedt, G. Huey, B. Lefer, F. S. Rowland, and D. R. Blake
301. “An Overview of Air-Snow Exchange at Summit, Greenland: Recent Experiments and Findings” *Atmospheric Environment*, 41 (24), 4995-5006, **2007**.
J. E. Dibb, M. Albert, Z. Courville, C. Anastasio, E. S. Galbavy, E. Atlas, A. J. Beyersdorf, D. R. Blake, S. Meinardi, F. S. Rowland, A. L. Swanson, N. J. Blake, F. Bocquet, L. Cohen, D. Helmig, J. J. Burkhardt, M. M. Frey, D. K. Friel, M. A. Hutterli, G. Chen, T. J. Conway, and S. J. Oltmans
302. Reply to “Comment on ‘Long-term Atmospheric Measurements of C1-C5 Alkyl Nitrates in the Pearl River Delta Region of Southeast China’” *Atmospheric Environment* 41 (34) 7371-7372, **2007**.
I. J. Simpson, F. S. Rowland, S. Meinardi, D. R. Blake, F. Flocke, E. Atlas, T. Wang, H. Guo, and Y. H. Kwok

303. "Evolution of Mixing State of Black Carbon Particles in Polluted Air from Tokyo" *Geophysical Research Letters*, 34, (16) L16803, **2007**.
M. Shiraiwa, Y. Kondo, N. Moteki, N. Takegawa, Y. Miyazaki, and D. R. Blake
304. "A Large Terrestrial Source of Methyl Iodide" *Geophysical Research Letters*, 34, (17) L17808, **2007**.
B. C. Sive, R. K. Varner, H. Mao, D. R. Blake, O. W. Wingenter, and R. Talbot
305. "The Tropical Forest and Fire Emissions Experiment: Emission, Chemistry, and Transport of Biogenic Volatile Organic Compounds in the Lower Atmosphere over Amazonia" *Journal of Geophysical Research*, 112(D18) D18302, **2007**.
T. Karl, A. Guenther, R.J. Yokelson, J. Greenberg, M. Potosnak, D. R. Blake, and P. Artaxo
306. "Measurements of Reactive Nitrogen Produced by Tropical thunderstorms during BIBLE-C" *Journal of Geophysical Research*, 112(D18) D18304, **2007**.
M. Koike, Y. Kondo, K. Kita, N. Takegawa, N. Nishi, T. Kashiwara, S. Kawakami, S. Kudoh, D. Blake, T. Shirai, B. Liley, M. Ko, Y. Miyazaki, Z. Kawasaki, and T. Ogawa
307. "Exhaled Methyl Nitrate as a Noninvasive Marker of Hyperglycemia in Type 1 Diabetes" *Proceedings of the National Academy of Sciences of the United States of America*, 104 (D40) 15613-15618, **2007**.
B. J. Novak, D. R. Blake, S. Meinardi, F. S. Rowland, A. Pontello, D. M. Cooper, and P. R. Galassetti
308. "New Directions: Enhancing the Natural Sulfur Cycle to Slow Global Warming" *Atmospheric Environment*, 41 (34), 7373-7375, **2007**.
O. W. Wingenter, S. M. Scott, and D. R. Blake
309. "The Tropical Forest and Fire Emissions Experiment: Overview and Airborne Fire Emission Factor Measurements" *Atmospheric Chemistry Physics*, 7 (19), 5175-5196, **2007**.
R. J. Yorkelson, T. Karl, P. Artaxo, D. R. Blake, T. J. Christian, D. W. T. Griffith, A. Guenther, and W. H. Hao
310. "Seasonal Variations of Atmospheric C-2-C-7 Nonmethane Hydrocarbons in Tokyo" *Journal of Geophysical Research*, 112(D24) D24305, **2007**.
T. Shirai, Y. Yokouchi, D. R. Blake, K. Kita, K. Izumi, M. Koike, Y. Kmoazaki, Y. Miyazaki, M. Fukuda, and Y. Kondo
311. "Exhaled Volatile Organic Compounds during Hyperglycemia and Euglycemia/Hyperinsulinemia in Healthy Males" *Diabetes*, 56, A108-A109 Suppl., **2007**.
P. Galassetti, S. Oliver, J. Midyett, R. Flores, A. Pontello, J. Rosa, and D. Blake
312. "Transport of Radon-222 and Methyl Iodide by Deep Convection in the GFDL Global Atmospheric Model AM2" *Journal of Geophysical Research-Atmospheres*, 112, (D7), Art. No. D17303, **2007**.
L. J. Donner, L. W. Horowitz, A. M. Fiore, C. J. Seman, D. R. Blake, and N. J. Blake
313. "Measurements of Nonmethane Hydrocarbons in 28 United States Cities" *Atmospheric Environment*, 42 (1), 170-182, **2008**.
A.K. Baker, A. J. Beyersdorf, L. A. Doezema, A. Katzenstein, S. Meinardi, I. J. Simpson, D. R. Blake, and F. S. Rowland
314. "Biogenic Versus Anthropogenic Sources of CO in the United States" *Geophysical Research Letters*, 35 (4), L04801, **2008**.
R. C. Hudman, L. T. Murray, D. J. Jacob, D. B. Millet, S. Turquety, S. Wu, D. R. Blake, A. H. Goldstein, J. Holloway, and G. W. Sachse

315. "HO_x Chemistry during INTEX-A 2004: Observation, Model Calculation, and Comparison with Previous Studies" *Journal of Geophysical Research*, 113(D5) D05310, **2008**.
X. R. Ren, J. R. Olson, J. H. Crawford, W. H. Brune, J. Q. Mao, R. B. Long, Z. Chen, G. Chen, M. A. Avery, G. W. Sachse, J. D. Barrick, G. S. Diskin, L. G. Huey, A. Fried, R. C. Cohen, B. Heikes, P. O. Wennberg, H. B. Singh, D. R. Blake, and R. E. Shetter
316. "Characteristics of the Atmospheric CO₂ Signal as Observed over the Conterminous United States during INTEX-NA" *Journal of Geophysical Research*, 113(D7) D07301, **2008**.
Y. H. Choi, S. A. Vay, K. P. Vadrevu, A. J. Soja, J. H. Woo, S. R. Nolf, G. W. Sachse, G. S. Diskin, D. R. Blake, N. J. Blake, H. B. Singh, M. A. Avery, A. Fried, L. Pfister, and H. E. Fuelberg
317. "Factors Influencing the Large-Scale Distribution of Hg Degrees in the Mexico City Area and over the North Pacific" *Atmospheric Chemistry and Physics*, 8(7) 2103-2114, **2008**.
R. Talbot, H. Mao, E. Scheuer, J. Dibb, M. Avery, E. Browell, G. Sachse, S. Vay, D. Blake, G. Huey, and H. Fuelberg
318. "Total Observed Organic Carbon (TOOC) in the Atmosphere: A Synthesis of North America Observations" *Atmospheric Chemistry and Physics*, 8(7) 2007-2025, **2008**.
C. L. Heald, A. H. Goldstein, J. Allan, A. C. Aiken, E. Apel, E. L. Atlas, A. Baker, T. S. Bates, A. J. Beyersdor, D. R. Blake, T. Campos, H. Coe, J. D. Crouse, P. F. DeCarlo, J. A. de Gouw, E. J. Dunlea, F. M. Flocke, A. Fried, P. Goldan, R. J. Griffin, S. C. Herndon, J. S. Hollowya, r. Holzinger, A. C. Lewis, S. Meinardi, D. B. Millet, T. Onasch, J. M. Roberts, D. Salcedo, B. Sive, A. L. Swanson, R. Talbot, C. Warneke, F. J. Weber, P. Weibring, P. O. Wennberg, D. R. Worsnop, A. E. Wittig, R. Zhang, J. Zheng, and W. Zheng
319. "Continental Outflow from the US to the Upper Troposphere over the North Atlantic during the NASA INTEX-NA Airborne Campaign" *Atmospheric Chemistry and Physics*, 8(7) 1989-2005, **2008**.
S. Y. Kim, R. Talbo, H. Mao, D. Blake, S. Vay, and H. Fuelberg
320. "A Reassessment of Antarctic Plateau Reactive Nitrogen Based on ANTCI 2003 Airborne and Ground Based Measurements" *Atmospheric Environment*, 42, (12) 2831-2848, **2008**.
D. D. Davis, J. Seelig, G. Huey, J. Crawford, G. Chen, Y. Wang, M. Buhr, D. Helmig, W. Neff, D. Blake, R. Arimoto, and F. Eisele
321. "Antarctic Tropospheric Chemistry Investigation (ANTCI) 2003 Overview" *Atmospheric Environment*, 42 (12) 2749-2761, **2008**.
F. Eisele, D. D. Davis, D. Helmig, S. J. Oltmans, W. Neff, G. Huey, D. Tanner, G. Chen, J. Crawford, R. Arimoto, M. Buhr, L. Mauldin, M. Hutterli, J. Dibb, D. Blake, S. B. Brooks, B. Johnson, J. M. Roberts, Y. H. Wang, D. Tan, and F. Flocke
322. "Ambient Mixing Ratios of Nonmethane Hydrocarbons (NMHCs) in Two Major Urban Centers of the Pearl River Delta (PRD) Region: Guangzhou and Dongguan" *Atmospheric Environment-Atmospheres* 42, 18, 4393-4408, **2008**.
B. Barletta, S. Meinardi, I. J. Simpson, S. C. Zou, F. S. Rowland, and D. R. Blake
323. "Atmospheric Emissions and Attenuation of Non-Methane Organic Compounds in Cover Soils at a French Landfill" *Waste Management* 28 (10) 1892-1908, **2008**.
C. Scheutz, J. Bogner, J. P. Chanton, D. Blake, M. Morcet, C. Aran and P. Kjeldsen
324. "Bromoform and Dibromomethane Measurements in the Seacoast Region of New Hampshire, 2002-2004" *Journal of Geophysical Research*, 113(D8) D08305, **2008**.
Y. Zhou, H. T. Mao, R. S. Russo, D. R. Blake, O. Wingenter, K. B. Haase, J. Ambrose, R. K. Varner, R. Talbot, and B. C. Sive

325. "Photosynthetic Control of Atmospheric Carbonyl Sulfide during the Growing Season" *Science* 322 (5904) 1085-1088 **2008**.
J. E. Campbell, G. R. Carmichael, T. Chai, M. Mena-Carrasco, Y. Tang, D. R. Blake, N. J. Blake, S. A. Vay, G. J. Collatz, I. Baker, J. A. Berry, S. A. Montzka, C. Sweeney, J. L. Schnoor, and C. O. Stanier
326. "Role of Convection in Redistributing Formaldehyde to the Upper Troposphere over North America and the North Atlantic during the Summer 2004 INTEX Campaign" *Journal of Geophysical Research-Atmospheres*, 113(D17) D17306, **2008**.
A. Fried, J. R. Olson, J. G. Walega, J. H. Crawford, G. Chen, P. Weibring, D. Richter, C. Roller, F. Tittel, M. Porter, H. Fuelberg, J. Halland, T. H. Bertram, R. C. Cohen, K. Pickering, B. G. Heikes, J. A. Snow, H. W. Shen, D. W. O'Sullivan, W. H. Brune, X. R. Ren, D. R. Blake, N. J. Blake, G. Sachse, G. S. Diskin, J. Podolske, S. A. Vay, R. E. Shetter, S. R. Hall, B. E. Anderson, L. Thornhill, A. D. Clarke, C. S. McNaughton, H. B. Singh, M. A. Avery, G. Huey, S. Kim, and D. B. Millet
327. "Carbonyl Sulfide (OCS): Large-Scale distributions over North America during INTEX-NA and Relationship to CO₂" *Journal of Geophysical Research-Atmospheres*, 113(D9) D09S90, **2008**.
N. J. Blake, J. E. Campbell, S. A. Vay, H. E. Fuelberg, L. G. Huey, G. Sachse, S. Meinardi, A. Beyersdorf, A. Baker, B. Barletta, J. Midyett, L. Doezema, M. Kamboures, J. McAdams, B. Novak, F. S. Rowland, and D. R. Blake
328. "Global Budget of Ethane and Regional Constraints on US Sources" *Journal of Geophysical Research-Amospheres*, 113(D21) D21306, **2008**.
X. P. Xiao, J. A. Logan, D. J. Jacob, R. C. Hudman, R. Yantosca, and D. R. Blake
329. "Formation and Transport of Oxidized Reactive Nitrogen, Ozone, and Secondary Organic Aerosol in Tokyo" *Journal of Geophysical Research-Amospheres*, 113(D21) D21310, **2008**.
Y. Kondo, Y. Morino, M. Fukuda, Y. Kanay, Y. Miyazaki, N. Takegawa, H. Tanimoto, R. McKenzie, P. Johnston, D. R. Blake, T. Murayam and M. Koike
330. "Radiative Impact of Mixing State of Black Carbon Aerosol in Asian Outflow" *Journal of Geophysical Research-Atmospheres*, 113 D24210, **2008**.
M. Shiraiwa, Y. Kondo, N. Moteki, N. Takegawa, L. K. Sahu, A. Takami, S. Hatakeyama, S. Yonemura, and D. R. Blake
331. "Mechanisms that Influence the Formation of High-ozone Regions in the Boundary Layer Downwind of the Asian Continent in Winter and Spring" *Journal of Geophysical Research-Atmospheres*, 113, (D15) D15304, **2008**.
Y. Kondo, R. C. Hudman, K. Nakamura, M. Koike, G. Chen, Y. Miyazaki, N. Takegawa, D. R. Blake, I. J. Simpson, M. Ko, K. Kita, T. Shirai, and S. Kawakami
332. "Contribution of Carbonyl Photochemistry to Aging of Atmospheric Secondary Organic Aerosol" *Journal of Physical Chemistry A* 112 (36) 8337-8344, **2008**.
S. A. Mang, D. K. Henricksen, A. P. Bateman, M. P. S. Anderson, D. R. Blake and S. A. Nizkorodov
333. "Source Characteristics of Volatile Organic Compounds during High Ozone Episodes in Hong Kong, Southern China" *Atmospheric Chemistry and Physics* 8 (16) 4983-4998, **2008**.
J. Zhang, T. Wang, W. L. Chameides, C. Cardelino, D. R. Blake, and D. G. Streets
334. "A Reassessment of Antarctic Plateau Reactive Nitrogen Based on ANTO 2003 Airborne and Ground Based Measurements" *Atmospheric Environment* 42 (12) 2831-2848, **2008**.
Doug Davis, Jon Seelig, Greg Huey, Jim Crawford, Gao Chen, Yuhang Wang, Marty Buhr, Detlev Helmig, William Neff, Don Blake, Rich Arimoto, and Fred Eisele

335. "Investigating the Sources and Atmospheric Processing of fine Particles from Asia and the Northwestern United States Measured during INTEX-B" *Atmospheric Chemistry and Physics* 8 (6) 1835-1853, **2008**.
R. E. Peltier, A. H. Hecobian, R. J. Weber, A. Stohl, E. L. Atlas, D. D. Riemer, D. R. Blake, E. Apel, T. Campos, and T. Karl
336. "Authors response to the above comment by M. Vogt et al. on 'New Directions: Enhancing the natural cycle to slow global warming'" *Atmospheric Environment* 42 (19) 4806-4809, **2008**.
O. W. Wingenter, S. M. Elliot, and D. R. Blake
337. "Implications of Changing Urban and Rural emissions on Non-Methane Hydrocarbons in the Pearl River Delta Region of China" *Atmospheric Environment* 42 (16) 3780-3794, **2008**.
J. H. Tang, L. Y. Chan, C. Y. Chan, Y. S. Li, C. C. Chang, X. M. Wang, S. C. Zou, B. Barletta, D. R. Blake and D. Wu
338. "Predictive Models for Plasma Glucose using Exhaled Volatile Organic Compounds" *Diabetes* 57 A123-A123 Suppl., **2008**.
J. S. Lee, R. L. Newcomb, D. R. Blake, S. Meinardi, J. R. Midyett, J. S. Rosa, and P. Galassetti
339. "Exhaled Breath Analysis: Prediction of Plasma Insulin Levels via Integrated Analysis of Volatile Organic Compounds" *Diabetes* 57 A414-A414 Suppl., **2008**.
P. Galassetti, J. S. Lee, S. R. Oliver, R. Newcomb, S. Meinardi, J. Midyett, and D. R. Blake
340. "Estimation of Plasma Free Fatty Acids through Integrated Analysis of Exhaled Volatile Organic Compounds" *Diabetes* 57 A704-A704 Suppl., **2008**.
J. S. Lee, S. R. Oliver, R. L. Newcomb, D. R. Blake, S. Meinardi, J. R. Midyett, and P. Galassetti
341. "Methyl Chloride and the US Cigarette" *Nicotine & Tobacco Research* 10 (11) 1621-1625, **2008**.
B. Novak, S. Meinardi, and D. Blake
342. "The Impact of Local Sources and Long-Range Transport on Aerosol Properties over the Northeast US Region during INTEX-NA" *Journal of Geophysical Research Atmospheres* 113 (D8) D08201, **2008**.
K. Lee Thornhill, Gao Chen, Jack Dibb, Carolyn Jordan, Ali Omar, Edward L. Winstead, Greg Schuster, Antony Clarke, Cameron McNaughton, Eric Scheuer, Donald Blake, Glen Sachse, L. G. Huey, H. B. Singh, and Bruce E. Anderson
343. "Continental Outflow from the US to the Upper Troposphere over the North Atlantic during the NASA INTEX-NA Airborne Campaign" *Atmospheric Chemistry and Physics* 8 (7) 1989-2005, **2008**.
S. Y. Kim, R. Talbot, H. Mao, D. Blake, S. Vay, and H. Fuelberg
344. "The Tiptop Coal-Mine Fire, Kentucky: Preliminary Investigation of the Measurement of Mercury and other Hazardous Gases from Coal-Fire Gas Vents" *International Journal of Coal Geology* 80 63-67, **2009**.
James C. Hower, Kevin Henke, Jennifer M.K. O'Keefe, Mark A. Engle, Donald R. Blake, and Glenn B. Stracher
345. "Improved Predictive Models for Plasma Glucose Estimation from Multi-Linear Regression Analysis of Exhaled Volatile Organic Compounds" *Journal of Applied Physiology* 107 (1) 155-160, **2009**.
Jane Lee, Jerry Ngo, Don Blake, Simone Meinardi, Andria M. Pontello, Robert Newcomb, and Pietro Galassetti
<http://jap.physiology.org/content/107/1/155>

346. "Release and Uptake of Volatile Inorganic and Organic Gases through the Snowpack at Niwot Ridge, Colorado" *Biogeochemistry* 95 (1) 167-183, **2009**
Detlev Helmig, Eric Apel, Donald Blake, Laurens Ganzeveld, Barry Lefer, S. Meinardi, and Aaron Swanson
347. "Peat Fires and Air Quality: Volatile Organic Compound and Particulates" *Chemosphere* 76 (3) 419-423, **2009**.
D. Blake, A. L. Hinwood and P. Horowitz
348. "Vehicular Emission of Volatile Organic Compounds (VOCs) from a Tunnel Study in Hong Kong" *Atmospheric Chemistry and Physics* 9 7491-7504, **2009**.
K. F. Ho, S. C. Lee, W. K. Ho, D. R. Blake, Y. Cheng, Y. S. Li, S. S. H. Ho, K. Fung, P. K. K. Louie, and D. Park
349. "Ethane and n-Pentane in Exhaled Breath are Biomarkers of Exposure Not Effect" *Biomarkers* 14, 1, 17-25, **2009**.
K. A. Gorham, M. P. S. Andersen, S. Meinardi, R. J. Delfino, N. Staimer, T. Tjoa, F. S. Rowland, and D. R. Blake
350. "Emissions of Volatile Organic Compounds Inferred from Airborne Flux Measurements over a Megacity" *Atmospheric Chemistry and Physics*, 9, 271-285, DOI:10.5194/acp-9-271, **2009**.
T. Karl, E. Apel, A. Hodzic, D. D. Riemer, D. R. Blake, and C. Wiedinmyer
351. "Spatial and Temporal Variations of Aerosols around Beijing in Summer 2006: Model Evaluation and Source Appointment" *Journal of Geophysical Research-Atmospheres*, 114, D00G13, DOI:10.1029/2008JD10906, **2009**.
H. Matsui, M. Koike, Y. Kondo, N. Takegawa, K. Kita, Y. Miyazaki, M. Hu, S. Y. Chang, D. R. Blake, J. D. Fast, R. A. Zaveri, D. G. Streets, Q. Zhang, and T. Zhu
352. "Chemical Characterization of Water-Soluble Organic Carbon Aerosols at a Rural Site in the Pearl River Delta, China, in the Summer of 2006" *Journal of Geophysical Research-Atmospheres*, 114, D14208, DOI:10.1029/2009JD011736, **2009**.
Y. Miyazaki, Y. Kondo, M. Shiraiwa, N. Takegawa, T. Miyakawa, S. Han, K. Kita, M. Hu, Z. Q. Deng, Y. Zhao, N. Sugimoto, D. R. Blake, and R. J. Weber
<http://onlinelibrary.wiley.com/doi/10.1029/2009JD011736/full>
353. "Source Origins, Modeled Profiles, and Apportionments of Halogenated Hydrocarbons in the Greater Pearl River Delta Region, Southern China" *Journal of Geophysical Research-Atmospheres*, 114, D11302, DOI:10.1029/2008JD011448, **2009**.
H. Guo, A. J. Ding, T. Wang, I. J. Simpson, D. R. Blake, B. Barletta, S. Meinardi, F. S. Rowland, S. M. Saunders, T. M. Fu, W. T. Hung, and Y. S. Li
<http://onlinelibrary.wiley.com/doi/10.1029/2008JD011448/full>
354. "Acetaldehyde and Hexanaldehyde from Cultured White Cells" *Journal of Translational Medicine*, 7, 31, DOI:10.1186/1479-5876-7-31, **2009**.
H. W. Shin, B. J. Umber, S. Meinardi, S. Y. Leu, F. Zaldivar, D. R. Blake, and D. M. Cooper
<http://www.translational-medicine.com/content/7/1/31/abstract>
355. "Variability of Submicron Aerosol Observed at a Rural Site in Beijing in the Summer of 2006" *Journal of Geophysical Research-Atmospheres*, 114, D00G05, DOI:10.1029/2008JD010857, **2009**.
N. Takegawa, T. Mijakawa, M. Kuwata, Y. Kondo, Y. Zhao, S. Han, K. Kita, Y. Miyazaki, Z. Deng, R. Xiao, M. Hu, D. van Pinxtern, H. Herrmann, A. Hofzumahaus, F. Holland, A. Wahner, D. R. Blake, N. Sugimoto, and T. Zhu
<http://onlinelibrary.wiley.com/doi/10.1029/2008JD010857/full>

356. "Modeling Approaches to the Estimate of Plasma Variables from Exhaled Volatile Organic Compounds" *FASEB Journal*, 23, 1005.3, **2009**.
S. Oliver, R. L. Newcomb, D. R. Blake, J. Ngo, J. S. Lee, S. Meinardi, J. S. Rosa and P. R. Galassetti
357. "Acetaldehyde and Hexanaldehyde in Cultured White Cells" *FASEB Journal*, 23, 1005.4, **2009**.
H. W. Shin, B. J. Umber, S. Meinardi, S. Y. Leu, F. Zaldivar, D. R. Blake, and D. M. Cooper
358. "Halocarbon Emissions from the United States and Mexico and their Global Warming Potential" *Environmental Science & Technology*, 43, 4, 1055-1060, DOI:10.1021/es802146j, **2009**.
D. B. Millet, E. L. Atlas, D. R. Blake, N. J. Blake, G. S. Diskin, J. S. Holloway, R. C. Hudman, S. Meinardi, T. B. Ryerson, and G. W. Sachse
<http://pubs.acs.org/doi/full/10.1021/es802146j>
359. "Atmospheric Chemistry of Sulfuryl Fluoride: Reaction with OH Radicals, Cl Atoms and O₃ Atmospheric Lifetime, IR Spectrum, and Global Warming Potential" *Environmental Science & Technology*, 43, 4, 1067-1070, SOI: 10.1012/es802439f, 2009
M. P. S. Andersen, D. R. Blake, F. S. Rowland, M. D. Hurley, and T. J. Wallington
<http://pubs.acs.org/doi/full/10.1021/es802439f>
360. "Airborne Measurement of OH Reactivity during INTEX-B" *Atmospheric Chemistry and Physics*, 9, 1, 163-173, **2009**.
J. Mao, X. Ren, W. H. Brune, J. R. Olson, J. H. Crawford, A. Fried, L. G. Huey, R. C. Cohen, B. Heikes, H. B. Singh, D. R. Blake, G. W. Sachse, G. S. Diskin, S. R. Hall, and R. E. Shetter
<http://www.atmos-chem-phys.net/9/163/2009/acp-9-163-2009.pdf>
361. "Airborne Observations of total RONO₂: New Constraints on the Yield and Lifetime of Isoprene Nitrates" *Atmospheric Chemistry and Physics*, 9, 4, 1451-1463, **2009**.
A. E. Perring, T. H. Bertram, P. J. Wooldridge, A. Fried, B. G. Heikes, J. Dibb, J. D. Crouse, P. O. Wennberg, N. J. Blake, D. R. Blake, W. H. Brune, H. B. Singh, and R. C. Cohen
<http://www.atmos-chem-phys.net/9/1451/2009/acp-9-1451-2009.html>
362. "Emission and Chemistry of Organic Carbon in the Gas and Aerosol Phase at a Sub-urban Site near Mexico City in March 2006 during the MILAGRO Study" *Atmospheric Chemistry and Physics*, 9,10,3425-3442, **2009**.
J. A. de Gouw, D. Welsh-Bon, C. Warneke, W. C. Kuster, L. Alexander, A. K. Baker, A. J. Beyersdorf, D. R. Blake, M. Canagaratna, A. T. Celada, L. G. Huey, W. Junkermann, T. B. Onasch, A. Saldico, S. J. Sjostedt, A. P. Sullivan, D. J. Tanner, O. Vargas, R. J. Weber, D. R. Worsnop, X. Y. Yu, and R. Zaveri
<http://www.atmos-chem-phys.net/9/3425/2009/acp-9-3425-2009.html>
363. "Biomass Burning and Urban Air Pollution over the Central Mexican Plateau" *Atmospheric Chemistry and Physics*, 9, 14, 4929-4944, **2009**.
J. D. Crouse, P. F. DeCarlo, D. R. Blake, L. K. Emmons, T. L. Campos, E. C. Apel, A. D. Clarke, A. J. Weinheimer, D. C. McCabe, R. J. Yokelson, J. L. Jimenez, and P. O. Wennberg
<http://www.atmos-chem-phys.net/9/4929/2009/acp-9-4929-2009.html>
364. "Sources and Transport of $\Delta^{14}\text{C}$ in CO₂ within the Mexico City Basin and Vicinity" *Atmospheric Chemistry and Physics*, 9, 14, 4973-7985, DOI: 10.5194/acp-9-4973-2009, **2009**.
S. A. Vay, S. C. Tyler, Y. Choi, D. R. Blake, N. J. Blake, G. W. Sachse, G. S. Diskin, and H. B. Singh
<http://www.atmos-chem-phys.net/9/4973/2009/acp-9-4973-2009.html>

365. "Characterization of Volatile Organic Compounds (VOCs) in Asian and North American Pollution Plumes during INTEX-B: Identification of Specific Chinese Air Mass Tracers" *Atmospheric Chemistry and Physics*, 9, 14, 5371-5388, DOI:10.5194/acp-9-5371-2009, **2009**.
B. Barletta, S. Meinardi, I. J. Simpson, E. L. Atlas, A. J. Beyersdorf, A. K. Baker, N. J. Blake, M. Yang, J. R. Midyett, B. J. Novak, R. J. McKeachie, H. E. Fuelberg, G. W. Sachse, M. A. Avery, T. Campos, A. J. Weinheimer, F. S. Rowland, and D. R. Blake
<http://www.atmos-chem-phys.net/9/5371/2009/acp-9-5371-2009.html>
366. "Measurements of OH and HO₂ Concentrations during the MCMA-2006 Field Campaign-Part 2: Model Comparison and Radical Budget" *Atmospheric Chemistry and Physics*, 9, 18, 6655-6675, DOI:10.5194/acp-9-6655-2009, **2009**.
S. Dusanter, D. Vimal, P. S. Stevens, R. Volkamer, L. T. Molina. A. Baker, S. Meinardi, D. Blake, P. Sheehy, A. Merten, R. Zhang, J. Zheng, E. C. Fortner, W. Junkermann, M. Dubey, T. Rahn, B. Eichinger, P. Lewandowski, J. Prueger, and H. Holder
<http://www.atmos-chem-phys.net/9/6655/2009/acp-9-6655-2009.html>
367. "Concurrent Observations of Air Pollutants at Two Sites in the Pearl River Delta and the Implication of Regional Transport" *Atmospheric Chemistry and Physics*, 9, 19, 7343-7360, DOI:10.5194/acp-9-7343-2009, **2009**.
H. Guo, F. Jiang, H. R. Cheng, I. J. Simpson, X. M. Wang, A. J. Ding, T. J. Wang, S. M. Saunders, T. Wang, S. H. M. Lam, D. R. Blake, Y. L. Zhang, and M. Xie
<http://www.atmos-chem-phys.net/9/7343/2009/acp-9-7343-2009.html>
368. "Non-Invasive Measurement of Plasma Triglycerides from Exhaled Breath" *Diabetes* 59 A291-A292, Suppl. 1, **2010**.
T. D. C. Minh, S. R. Oliver, D. R. Blake, M. K. Carson, S. Meinardi, and P. R. Galassetti
369. "Subjects with T1DM have Distinctive Patterns of Exhaled Gases, both in the Basal State and during Fluctuations of Plasma Glucose and Insulin" *Diabetes* 59 A649-A650, Suppl. 1, **2010**.
P. R. Galassetti, S. R. Oliver, M. Carlson, S. Meinardi, T. D. C. Minh, and D. R. Blake
370. "Impact of Mexico City Emissions on Regional Air Quality from MOZART-4 Simulations" *Atmospheric Chemistry and Physics* 10 (13) 6195-6212, **2010**.
L. K. Emmmons, E. C. Apel, J. F. Lamarque, P. G. Hess, M. Avery, D. Blake, W. Brune, T. Campos, J. Crawford, P. F. DeCarol, S. Hall, B. Heikes, J. Holloway, J. L. Jimenez, D. J. Knapp, G. Kok, M. Mena-Carrasco, J. Olson, D. O'Sullivan, G. Sachse, J. Walega, P. Weibring, A. Weinheimer, and C. Wiedinmyer
<http://www.atmos-chem-phys.net/10/6195/2010/acp-10-6195-2010.pdf>
371. "Seasonal and Diurnal Measurements of Carbon Monoxide and Nonmethane Hydrocarbons at Mt. Wilson, California: Indirect Evidence of Atomic Cl in the Los Angeles Basin" *Atmospheric Environment* 44 (19) 2271-2279, **2010**.
K. A. Gorham, N. J. Blake, R. A. VanCuren, H. E. Fuelberg, S. Meinardi, and D. R. Blake
<http://www.sciencedirect.com/science/article/pii/S1352231010003018>
372. "Atmospheric Chemistry Results from the ANTCI 2005 Antarctic Plateau Airborne Study" *Journal of Geophysical Research-Atmospheres* 115, D07304, **2010**.
D. L. Slusher, W. D. Neff, S. Kim, L. G. Huey, Y. Wang, T. Zeng, D. J. Tanner, D. R. Blake, A. Beyersdorf, B. L. Lefer, J. H. Crawford, F. L. Eisele, R. L. Mauldin, E. Kosciuch, M. P. Buhr, H. W. Wallace, and D. D. Davis
<http://onlinelibrary.wiley.com/doi/10.1029/2009JD012605/full>

373. "Atmospheric Chemistry of an Antarctic Volcanic Plume" *Journal of Geophysical Research-Atmospheres* 115, D04303, **2010**.
C. Oppenheimer, P. Kyle, F. Eisele, J. Crawford, G. Huey, D. Tanner, S. Kim, L. Mauldin, d. Blake, A. Beyersdorf, M. Buhr, and D. Davis.
<http://onlinelibrary.wiley.com/doi/10.1029/2009JD011910/full>
374. "An Ozone Episode in the Pearl River Delta: Field Observation and Model Simulation" *Journal of Geophysical Research-Atmospheres* 115, D22305, DOI: 10.1029/2009JD013583, **2010**.
F. Jiang, H. Guo, T. J. Wang, H. R. Cheng, X. M. Wang, I. J. Simpson, A. J. Ding, S. M. Saunders, S. H. M Lam, and D. R. Blake
<http://onlinelibrary.wiley.com/doi/10.1029/2009JD013583/full>
375. "A New Interpretation of Total Column BrO during Arctic Spring" *Geophysical Research Letters* 37, L21805, DOI: 10.1029/2010GL043798, **2010**.
R. J. Slawitch, T. Canty, T. Kurosu, K. Chance, Q. Liang, A. da Silva, S. Pawson, J. E. Nielsen, J. M. Rodriguez, P. K. Bhartia, X. Liu, L. G. Huey, J. Liao, R. Stickel, D. J. Tanner, J. E. Dibb, W. R. Simpson, D. Donohue, A. Weinheimer, F. Flocke, D. Knapp, D. Montzka, J. A. Neuman, J. B. Nowak, T. B. Ryerson, S. Oltmans, D. R. Blake, E. L. Atlas, D. E. Kinnison, S. Tilmes, L. L. Pan, F. Hendrick. M. Van Roozendaal, K. Kreher, P.V. Johnston, R. S. Gao, B. Johnson, T. P. Bui, G. Chen, R. B. Pierce, J. H. Crawford, and D. J. Jacob.
<http://onlinelibrary.wiley.com/doi/10.1029/2010GL043798/full>
376. "Abundances and Variability of Tropospheric Volatile Organic Compounds at the South Pole and other Antarctic Locations" *Atmospheric Environment* 44, 36, 4565-4574, DOI: 10.1016/j.atmosenv.2010.08.025, **2010**.
A. J. Beyersdorf, D. R. Blake, A. Swanson, S. Meinardi, F. S. Rowland, and D. Davis
<http://www.sciencedirect.com/science/article/pii/S1352231010006990>
377. "Assessing Photochemical Ozone Formation in the Pearl River Delta with a Photochemical Trajectory Model" *Atmospheric Environment* 44, 34, 4199-4208, DOI: 10.1016/j.atmosenv.2010.07.019, **2010**.
H. R. Cheng, H. Guo, S. M. Saunders, S. H. M. Lam, F. Jiang, X. M. Wang, I. J. Simpson, D. R. Blake, P. K. K. Louie, and T. J. Wang
<http://www.sciencedirect.com/science/article/pii/S1352231010005881>
378. "Evaluation of an Urban NMHC Emission Inventory by Measurements and Impact on CTM Results" *Atmospheric Environment* 44, 31, 3843-3855, 10.1016/j.atmosenv.10.0.05.042, **2010**.
I. Coll, C. Rousseau, B. Barletta, S. Meinardi, and D. R. Blake
<http://www.sciencedirect.com/science/article/pii/S1352231010004255>
379. "New Directions: Restoring the Westerly Winds in the Southern Hemisphere: Climate's Lever" *Atmospheric Environment* 44, 31, 3866-3868, DOI: 10.1016/j.atmosenv.2010.05.029, **2010**.
O. W. Wingenter, S. M. Elliott, and D. R. Blake
<http://www.sciencedirect.com/science/article/pii/S1352231010004255>
380. "Effect of Local and Regional Sources on the Isotopic Composition of Nitrous Oxide in the Tropical Free Troposphere and Tropopause Layer" *Journal of Geophysical Research-Atmospheres* 115, D00J11, DOI: 10.1029/2009JD013117, **2010**.
P. Croteau, E. L. Atlas, S. M. Schauffler, D. R. Blake, G. S. Diskin, and K. A. Boering
<http://onlinelibrary.wiley.com/doi/10.1029/2009JD013117/full>

381. "Emission Patterns and Spatiotemporal Variations of Halocarbons in the Pearl River Delta Region, Southern China" *Journal of Geophysical Research-Atmospheres*, 115, D15309, DOI: 10.1029/2009JD013726, **2010**.
Y. L. Zhang, J. Guo, X. M. Wang, I. J. Simpson, B. Barletta, D. R. Blake, S. Meinardi, F. S. Rowland, H. R. Cheng, S. M. Saunders, and S. H. M. Lam
<http://onlinelibrary.wiley.com/doi/10.1029/2009JD013726/abstract;jsessionid=660977592E9122B78F8191669DC14200.f02t03>
382. "Arctic Mercury Depletion and its Quantitative Link with Halogens" *Journal of Atmospheric Chemistry* 65, 2-3, 145-170, DOI: 10.1007/s10874-011-9186-1, **2010**.
H. T. Mao, R. W. Talbot, B. C. Sive, S. Y. Kim, D. R. Blake, and A. J. Weinheimer.
<http://link.springer.com/article/10.1007/s10874-011-9186-1#page-1>
383. "Methane Emissions Inventory Verification in Southern California" *Atmospheric Environment* 44, 1, 1-7, DOI: 10.1016/j.atmosenv.2009.10.002, **2010**.
Y. K. Hsu, T. VanCuren, S. Park, C. Jakover, J. Herner, M. FitzBibbon, D. R. Blake, and D. D. Parrish
<http://www.sciencedirect.com/science/article/pii/S1352231009008504>
384. "Effect of Hemodialysis on the Composition of Exhaled Breath" *Blood Purification* 30, 3, 223-233, **2010**.
H. J. Lee, M. V. Pahl, N. D. Vaziri, and D. R. Blake
385. "Characterization of Trace Gases Measured over Alberta Oil Sands Mining Operations: 76 Speciated C₂-C₁₀ Volatile Organic Compounds (VOCs), CO₂, CH₄, CO, NO, NO₂, NO_y, O₃ and SO₂" *Atmospheric Chemistry and Physics* 10, 23, 1193-11954, DOI: 10.5194/acp-10-11931-2010, **2010**.
I. J. Simpson, N. J. Blake, B. Barletta, G. S. Diskin, H. E. Fuelberg, K. Gorham, L. G. Huey, S. Meinardi, F. S. Rowland, S. A. Vay, A. J. Weinheimer, M. Yang, and D. R. Blake
<http://www.atmos-chem-phys.net/10/11931/2010/acp-10-11931-2010.html>
386. "A Regional Scale Modeling Analysis of Aerosol and Trace Gas Distributions over the Eastern Pacific during the INTEX-B Field Campaign" *Atmospheric Chemistry and Physics* 10, 5, 2091-2115, **2010**.
B. Adhikary, G. R. Carmichael, S. Kulkarni, C. Wei, Y. Tang, A. D'Allura, M. Mena-Carrasco, D. G. Streets, Q. Zhang, R. B. Pierce, J. A. Saadi, L. K. Emmons, G. G. Pfister, M. A. Avery, J. D. Barrick, D. R. Blake, W. H. Brune, R. C. Cohen, J. E. Dibb, A. Fried, B. G. Heikes, G. Huey, D. W. O'Sullivan, G. W. Sachse, R. E. Shetter, H. B. Singh, T. L. Campos., C. A. Cantrell, F. M. Flocke, E. J. Dunlea, J. L. Jimenez, A. J. Weinheimer, J. D. Crouse, P. O. Wennberg, J. J. Schauer, E. A. Stone, D. A. Jaffe, and D. R. Reidmiller
<http://www.atmos-chem-phys.net/10/2091/2010/acp-10-2091-2010.html>
387. "Finding the Missing Stratospheric Br_y: A Global Modeling study of CHBr₃ and CH₂Br₂" *Atmospheric Chemistry and Physics* 10, 5, 2269-2286, **2010**.
Q. Liang, R. S. Stolarski, S. R. Kawa, J. E. Nielsen, A. R. Douglass, J. M. Rodriguez, D. R. Blake, E. L. Atlas, and L. E. Ott
<http://www.atmos-chem-phys.net/10/2269/2010/acp-10-2269-2010.html>
388. "Bromoform and Dibromomethane in the Tropics: a 3-D Model Study of Chemistry and Transport" *Atmospheric Chemistry and Physics* 10, 2, 719-735, **2010**.
R. Hossaini, M. P. Chipperfield, B. M. Monge-Sanz, N. A. D. Richards, E. Atlas, and D. R. Blake
<http://www.atmos-chem-phys.net/10/719/2010/acp-10-719-2010.pdf>

389. "The Production and Persistence of Sigma RONO₂ in the Mexico City Plume" *Atmospheric Chemistry and Physics* 10, 15, 7215-7229, DOI: 10.519/acp-10-7215-2010, **2010**.
A. E. Perring, T. H. Bertram, D. K. Farmer, P. J. Wooldridge, J. Dibb, N. J. Blake, D. R. Blake, H. B. Singh, J. Fuelberg, G. Diskin, G. Sachse, and R. C. Cohen
<http://www.atmos-chem-phys.net/10/7215/2010/acp-10-7215-2010.html>
390. "Convective Distribution of Tropospheric Ozone and Tracers in the Central American ITCZ Region: Evidence for Observations during TC4" *Journal of Geophysical Research-Atmospheres*, 115, D0J21, DOI: 10.1029/2009JD013450, Oct 13, **2010**.
M. Avery, C. Twohy, D. McCabe, J. Joiner, K. Severance, E. Atlas, D. Blake, T. Bui, J. Crouse, J. Dibb, G. Diskin, P. Lawson, M. McGill, D. Rogers, G. Sachse, E. Scheuer, A. M. Thompson, C. Trepte, P. Wennberg, and J. Ziemke.
<http://onlinelibrary.wiley.com/doi/10.1029/2009JD013450/full>
391. "Carbonyl Sulfide, Dimethyl Sulfide and Carbon Disulfide in the Pearl River Delta of Southern China: Impact of Anthropogenic and Biogenic Sources" *Atmospheric Environment*, 44, 31, 3805-3813, DOI: 10.1016/j.atmosenv.2010.06.040, Oct **2010**.
H. Guo, I. J. Simpson, A. J. Ding, T. Wang, S. M. Saunders, T. J. Wang, H. R. Cheng, B. Barletta, S. Meinardi, D. R. Blake and F. S. Rowland
<http://www.sciencedirect.com/science/article/pii/S1352231010005194>
392. "Air Quality during the 2008 Beijing Olympics: Secondary Pollutants and Regional Impact" *Atmospheric Chemistry and Physics*, 10, 16, 7603-7615, DOI: 10.5194/acp-10-7603-2010, **2010**.
T. Wang, W. Nie, J. Gao, L. Wue, X. M. Gao, X. F. Wang, J. Qiu, C. N. Poon, S. Meinardi, D. Blake, S. L. Wang, A. J. Ding, F. H. Chai, Q. Z. Zhang, W. X. Wang
<http://www.atmos-chem-phys.net/10/7603/2010/acp-10-7603-2010.pdf>
393. "Effectiveness of a Florida Landfill Biocover for Reduction of CH₄ and NMHC Emissions" *Environmental Science & Technology*, 44, 4, 1197-1203, DOI:10.1021/es901796k, **2010**.
J. E. Bogner, J. P Chanton, D. Blake, T. Abichou, and D. Powelson
<http://pubs.acs.org/doi/abs/10.1021%2Fes901796k>
394. "South Pole Antarctica Observations and Modeling Results: New Insights on HO_x Radical and Sulfur Chemistry" *Atmospheric Environment*, 44,4,572-581,
DOI:10.1016/j.atmosenv32009.07.058, **2010**.
R. Mauldin, E. Kosciuch, F. Eisele, G. Huey, D. Tanner, S. Sjostedt, D. Blake, G. Chen, J. Crawford, and D. Davis
<http://www.sciencedirect.com/science/article/pii/S1352231009006463?np=y>
395. "Post-2000 Air Quality Studies in California: ARCTAS-CA 2008 and 2010 CalNex" *Air Pollution Modeling and its Application XX*, 30th NATO/SPS International Technical Meeting on Air Pollution Modeling and its Application, 627-631, **2010**.
A. Kaduwela, C. X. Cai, E. McCauley, R. Cohen, D. Blake, H. Singh, and D. Parrish
396. "Gas Signatures from Cultured Human Leukocytes" *American Journal of Respiratory and Critical Care Medicine*, 181, A5740, **2010**.
H. W. Shin, B. J. Ueber, S. Meinardi, S. Y. Leu, F. Zaldivar, D. R. Blake, and D. M. Cooper

397. “Chemical Evolution of Volatile Organic Compounds in the Outflow of the Mexico City Metropolitan Area” *Atmospheric Chemistry and Physics*, 10, 5, 2353-2375, **2010**.
E. C. Apel, L. K. Emmons, T. Karl, F. Flocke, A. J. Hills, S. Madronich, J. Lee-Taylor, A. Fried, P. Weibring, J. Walega, D. Richter, X. Tie, L. Mauldin, T. Campos, A. Weinheimer, D. Knapp, B. Sive, L. Kleinman, S. Springston, R. Zaveri, J. Ortega, P. Voss, D. Blake, A. Baker, C. Warneke, D. Welsh-Bon, J. de Gouw, J. Zheng, R. Zhang, J. Rudolph, W. Junkermann, and D. D. Riemer
<http://www.atmos-chem-phys.net/10/2353/2010/acp-10-2353-2010.pdf>
398. “Nitrogen Oxides and PAN in Plumes from Boreal Fires during ARCTAS-B and their Impact on Ozone: An Integrated Analysis of Aircraft and Satellite Observations” *Atmospheric Chemistry and Physics*, 10, 20, 9739-9760, DOI:10.5194/acp-10-9739-2010, **2010**.
M. J. Alvarado, J. A. Logan, J. Mao, E. Apel, D. Riemer, D. Blake, R. C. Cohen, K. E. Min, A. E. Perring, E. C. Browne, P. J. Wooldridge, G. S. Diskin, G. W. Sachse, H. Fuelberg, W. R. Sessions, D. L. Harrigan, G. Huey, J. Liao, A. Case-Hanks, J. L. Jimenez, M. J. Cubison, S. A. Vay, A. J. Weinheimer, D. J. Knapp, D. D. Montzka, F. M. Flocke, I. B. Pollack, P. O. Wennberg, A. Kurten, J. Crouse, J. M. St Clair, A. Wisthaler, T. Mikoviny, R. M. Yantosca, C. C. Carouge, and P. Le Sager
<http://www.atmos-chem-phys.net/10/9739/2010/acp-10-9739-2010.pdf>
399. “Why Greenhouse Gas Emissions Must be Considered in Urban Planning” *Proceedings of the First International Conference on Sustainable Urbanization (ICSU 2010)*, 24-24, **2010**.
D. R. Blake
400. “Halogenated Hydrocarbons in the Atmosphere of Pearl River Delta Region, Southern China” *Proceedings of the First International Conference on Sustainable Urbanization (ICSU 2010)*, 24-24, **2010**.
H. Guo, X. M. Wang, I. J. Simpson, D. R. Blake, H. R. Cheng, and S. M. Saunders
401. “Reduced Methane Growth Rate Explained by Decreased Northern Hemisphere Microbial Sources” *Nature* 476, 7359, 194-197, DOI: 10.1038/nature10259, **2011**.
K. F. Ming, S. Tyler, J. Randerson, and D. R. Blake
<http://www.nature.com/nature/journal/v476/n7359/abs/nature10259.html>
402. “Recent Decreases in Fossil-fuel Emissions of Ethane and Methane Derived from Firn Air” *Nature* 476, 7350, 198-201, DOI: 10.1038/nature10352, **2011**.
M. Aydin, K. R. Verhulst, E. S. Saltzman, M. O. Battle, S. A. Montzka, D. R. Blake, Q. Tang, and M. J. Prather
<http://www.nature.com/nature/journal/v476/n7359/abs/nature10352.html>
403. “Old Smokey Coal Fire, Floyd County, Kentucky: Estimates of Gaseous Emission Rates” *International Journal of Coal Geology* 87, 2, 150-156, DOI: 10.1016/j.coal.2011.06.005, **2011**.
J. M. K. O’Keefe, E. R. Neace, E. W. Lemley, J. C. Hower, K. R. Henke, G. Copley, R. S. Hatch, A. B. Satterwhite, and D. R. Blake
<http://www.sciencedirect.com/science/article/pii/S0166516211001297>
404. “Patterns of CO₂ and Radiocarbon Across High Northern Latitude during International Polar Year 2008” *Journal of Geophysical Research-Atmospheres* 116, D14301, DOI: 10.1029/2011JD015643, **2011**.
S. A. Vay, Y. Choi, K. P. Vadrevu, D. R. Blake, S. C. Tyler, A. Wisthaler, A. Hecobian, Y. Kondo, G. S. Diskin, G.W. Sachse, J. H. Woo, A. J. Weinheimer, J. F. Burkhart, A. Stohl, and P. O. Wennberg
<http://onlinelibrary.wiley.com/doi/10.1029/2011JD015643/full>

405. “Noninvasive Measurement of Plasma Glucose from Exhaled Breath in Healthy and Type 1 Diabetic Subjects” *American Journal of Physiology-Endocrinology and Metabolism* 300, 6, E1166-E1175, DOI: 10.1152/ajpendo.00634.2010, **2011**.
T. D. C. Minh, S. R. Oliver, J. Ngo, R. Flores, J. Midyett, S. Meinardi, M. K. Carlson, F.S. Rowland, D. R. Blake and P. R. Galassetti
<http://www.ncbi.nlm.nih.gov/pubmed/21467303>
406. “Emission Characteristics of Nonmethane Hydrocarbons from Private Cars and Taxis at Different Driving Speeds in Hong Kong” *Atmospheric Environment* 45, 16, 2711-2721, DOI: 10.1016/j.atmosenv.2011.02.053, **2011**.
H. Guo, S. C. Zou, W. Y. Tsai, L. Y. Chan, and D. R. Blake
<http://www.sciencedirect.com/science/article/pii/S135223101100197X>
407. “Emissions of Black Carbon, Organic, and Inorganic Aerosols from Biomass Burning in North America and Asia in 2008” *Journal of Geophysical Research-Atmospheres* 116, D08204, DOI: 10.1029/2010JD015152, **2011**.
Y. Kondo, H. Matsui, N. Moteki, L. Sahu, N. Takegawa, M. Kajino, Y. Zhao, M. M. J. Cubison, J. L. Jimenez, S. Vay, G. S. Diskin, B. Anderson, A. Wisthaler, T. Kmikoviny, J. E. Fuelberg, D. R. Blake, G. Huey, A. J. Weinheimer, D. J. Knapp, and W. H. Brune
<http://onlinelibrary.wiley.com/doi/10.1029/2010JD015152/full>
408. “Atmospheric Emissions from the Deepwater Horizon Spill Constrain Air-Water Partitioning, Hydrocarbon Fate, and Leak Rate” *Geophysical Research Letters* 38, L07803, DOI: 10.1029/2011GL046726, **2011**.
T. B. Ryerson, K. C. Aikin, W. M. Angevine, E. L. Atlas, D. R. Blake, C. A. Brock, F. C. Fehsenfeld, R. S. Gao, J. A. de Touw, D. W. Fahey, J. S. Holloway, D. A. Lack, R. A. Lueb, S. Meinardi, A. M. Middlebrook, D. M. Murphy, J. A. Neuman, J. B. Nowak, D. D. Parrish, J. Peischl, A. E. Perring, I. B. Pollack, A. R. Ravishankara, J. M. Roberts, J. P. Schwarz, J. R. Spackman, H. Stark, C. Warneke, and L. A. Watts
<http://onlinelibrary.wiley.com/doi/10.1029/2011GL046726/full>
409. “Organic Aerosol Formation Downwind from the Deepwater Horizon Oil Spill” *Science* 331, 6022, 1295-1299 DOI: 10.1126/science.1200320, **2011**.
J. A. de Gouw, A. M. Middlebrook, C. Warneke, R. Ahmadov, E. L. Atlas, R. Bahreini, D. R. Blake, C. A. Brock, J. Briode, D. W. Fahey, F. C. Fehsenfeld, J. S. Holloway, M. Le Henaff, R. A. Lueb, S. A. McKeen, J. F. Meagher, D. M. Murphy, C. Paris, D. D. Parrish, A. E. Perring, J. B. Pollack, A. R. Ravishankara, A. L. Robinson, T. B. Ryerson, J. P. Schwarz, J. R. Spackman, A. Srinivasan, and L. A. Watts
<http://www.sciencemag.org/content/331/6022/1295.short>
410. “Seasonal Variation of the Transport of Black Carbon Aerosol from the Asian Continent to the Arctic during the ARCTAS Aircraft Campaign” *Journal of Geophysical Research-Atmospheres* 116, D05202, DOI: 10.1029/2010JD015067, **2011**.
H. Matsui, Y. Kondo, N. Moteki, N. Takegawa, L. K. Sahu, Y. Zhao, H. E. Fuelberg, W. R. Sessions, G. Diskin, D. R. Blake, A. Wisthaler, and M. Koike
<http://onlinelibrary.wiley.com/doi/10.1029/2010JD015067/full>
411. “Size-Resolved Aerosol Emission Factors and New Particle Formation/Growth Activity Occurring in Mexico City during the MILAGRO 2006 Campaign” *Atmospheric Chemistry and Physics* 11, 17, 8861-8881, DOI: 10.5194/acp-11-8861-2011, **2011**.
A. J. Kalafut-Petibone, J. Wang, W. E. Eichinger, A. Clarke, S. A. Vay, D. R. Blake, and C. O. Stainer.
<http://www.atmos-chem-phys.net/11/8861/2011/acp-11-8861-2011.html>

412. “Anthropogenic Emissions during Arctas-A: Mean Transport Characteristics and Regional Case Studies” *Atmospheric Chemistry and Physics* *11*, 16, 8677-8701, DOI: 10.5194/acp-11-8677-2011, **2011**.
D. L. Harrigan, H. E. Fuelberg, I. J. Simpson, D. R. Blake, G. R. Carmichael, and G. S. Diskin
<http://www.atmos-chem-phys.net/11/8677/2011/acp-11-8677-2011.html>
413. “Boreal Forest Fire Emissions in Fresh Canadian Smoke Plumes: C₁-C₁₀ Volatile Organic Compounds VOCs, CO₂, CO, NO₂, NO, HCN and CH₃CN” *Atmospheric Chemistry and Physics* *11*, 13, 6445-6463, DOI: 10.5194/acp-11-6445-2011, **2011**.
I. J. Simpson, S. K. Akagi, B. Barletta, N. J. Blake, Y. Choi, G. S. Diskin, A. Fried, H. E. Fuelberg, S. Meinardi, F. S. Rowland, S. A. Vay, A. J. Weinheimer, P. O. Wennberg, P. Wiebring, A. Wisthaler, M. Yang, R. J. Yokelson, and D. R. Blake
<http://www.atmos-chem-phys.net/11/6445/2011/acp-11-6445-2011.html>
414. “Impact of Organic Nitrates on Urban Ozone Production” *Atmospheric Chemistry and Physics* *11*, 9, 4085-4094, DOI: 10.5194/acp-11-4085-2011, **2011**.
D. K. Farmer, A. E. Perring, P. J. Wooldridge, D. R. Blake, A. Baker, S. Meinardi, L. G. Huey, D. Tanner, O. Vargas, and R. C. Cohen
<http://www.atmos-chem-phys.net/11/4085/2011/acp-11-4085-2011.html>
415. “Measurements of Volatile Organic Compounds at a Suburban Ground Site (T1) in Mexico City during the MILAGRO 2006 Campaign: Measurement Comparison, Emission Ratios, and Source Attribution” *Atmospheric Chemistry and Physics*, *11*, 6, 2399-2421, DOI: 10.5194/acp-11-2399-2011, **2011**.
D. M. Bon, I. M. Ulbrich, J. A. de Gouw, C. Warneke, W. C. Kuster, M. L. Alexander, A. Baker, A. J. Beyersdorf, D. Blake, R. Fall, J. L. Jimenez, S. C. Herndon, L. G. Huey, W. B. Knighton, J. Ortega, S. Springston, and O. Vargas.
<http://www.atmos-chem-phys.net/11/2399/2011/acp-11-2399-2011.html>
416. “Detailed Comparisons of Airborne Formaldehyde Measurements with Box Models during the 2006 INTEX-B and MILAGRO Campaigns: Potential Evidence for Significant Impacts of Unmeasured and multi-Generation Volatile Organic Carbon Compounds” *Atmospheric Chemistry and Physics*, *11*, 22, 11867-11894, DOI: 10.519/acp-11-11867-2011, **2011**.
A. Fried, C. Cantrell, J. Olson, J. H. Crawford, P. Weibring, J. Walega, D. Richter, W. Junkermann, R. Volkamer, R. Sinreich, B. G Heides, D. O’Sullivan, D. R. Blake, N. Blake, S. Meinardi, E. Apel, A. Weinheimer, D. Knapp, A. Perring, R. C. Cohen, H. Fuelberg, R. E. Shetter, S. R. Hall, K. Ullman, W. H. Brune, J. Mao, X. Ren, L. G. Huey, H. B. Singh, J. W. Hair, D. Riemer, G. Diskin, and G. Sachse.
<http://www.atmos-chem-phys.net/11/11867/2011/acp-11-11867-2011.pdf>
417. “HFC-152a and HFC-134a Emission Estimates and Characterization of CFCs, CFC Replacements, and other Halogenated Solvents Measured during the 2008 ARCTAS Campaign (CARB Phase) over the South Coast Air Basin of California” *Atmospheric Chemistry and Physics* *11*, 6, 2655-2669, DI: 10.5194/acp-11-2655-2011, **2011**.
B. Barletta, P. Nissenson, S. Meinardi, D. Dabdub, F. S. Rowland, R. A. VanCuren, J. Pederson, G. S. Diskin, and D. R. Blake
<http://www.atmos-chem-phys.net/11/2655/2011/acp-11-2655-2011.html>

418. "Observations of Nonmethane Organic Compounds during ARCTAS-Part 1: Biomass Burning Emissions and Plume Enhancements" *Atmospheric Chemistry and Physics*, *11*, 21, 11103-11130, DOI:10.5194/acp-11-11103-2011, **2011**.
R. S. Hornbrook, D. R. Blake, G. S. Diskin, A. Fried, H. E. Fuelberg, S. Meinardi, T. Mikoviny, D. Richter, G. W. Sachse, S. A. Vay, J. Walega, P. Weibring, A. J. Weinheimer, C. Wiedinmyer, A. Wisthaler, A. Hills, D. D. Riemer, and E. C. Apel
<http://www.atmos-chem-phys.net/11/11103/2011/acp-11-11103-2011.pdf>
419. "Reactive Nitrogen, Ozone and Ozone Production in the Arctic Troposphere and the Impact of Stratosphere-Troposphere Exchange" *Atmospheric Chemistry and Physics*, *11*, 24, 13181-13199, DOI: 10.5194/acp-11-13181-2011, **2011**.
Q. Lian, J. M. Rodriguez, A. R. Douglass, J. H. Crawford, J. R. Olson, E. Apel, H. Bian, D. R. Blake, W. Brune, M. Xhin, P. R. Colarco, A. da Silva, G. S. Diskin, B. N. Duncan, L. G. Heuy, D. J. Knapp, D. D. Montzka, J. E. Nielsen, S. Pawson, D. D. Riemer, A. J. Weinheimer, and A. Wisthaler.
<http://www.atmos-chem-phys.net/11/13181/2011/acp-11-13181-2011.html>
420. "Impact of Monoterpene-Derived Organic Nitrates on NO_x Lifetime in the Boreal Forest: Model Results and Observations from ARCTAS" *Abstracts of Papers of the American Chemical Society*, *242*, 307-ENVR, **2011**.
E. C. Browne, R. C. Cohen, P. J. Woodridge, K. E. Min, L. C. Valin, E. Apel, D. R. Blake, W. H. Brune, A. Fried, A. J. Winheimer, X. R. Ren, and A. Wisthaler.
421. "The Glyoxal Budget and its Contribution to Organic Aerosol for Los Angeles, California, during CalNex 2010" *Journal of Geophysical Research-Atmospheres*, *116*, D00V02, DOI:10.1029/2011JD016314, **2011**.
R. A. Washenfelder, C. J. Young, S. S. Brown, W. M. Angevine, E. L. Atlas, D. R. Blake, D. M. Bon, M. J. Cubison, J. A. de Gouw, S. Dusanter, J. Flynn, J. B. Gilman, M. Graus, S. Griffith, N. Grossberg, P. L. Hayes, J. L. Jimenez, W. C. Kuster, B. L. Lefer, I. B. Pollack, T. B. Ryerson, H. Stark, P. S. Stevens, and M. K. Trainer
<http://onlinelibrary.wiley.com/doi/10.1029/2011JD016314/full>
422. "Accumulation-Mode Aerosol Number Concentrations in the Arctic during the ARCTAS Aircraft Campaign: Long-Range Transport of Polluted and Clean Air from the Asian Continent" *Journal of Geophysical Research-Atmospheres*, *116*, D20217, DOI:10.1029/2011JD016189, **2011**.
H. Matsui, Y. Kondo, N. Moteki, N. Takegawa, L. K. Sahu, M. Koike, Y. Zhao, H. E. Fuelberg, W. R. Sessions, G. Diskin, B. E. Anderson, D. R. Blake, A. Wisthaler, M. J. Cubison, and J. L. Jimenez.
<http://onlinelibrary.wiley.com/doi/10.1029/2011JD016189/full>
423. "Vertical Distributions of Non-Methane Hydrocarbons and Halocarbons in the Lower Troposphere over Northeast China" *Atmospheric Environment*, *45*, 36, 6501-6509, DOI:10.1016/j.atmosenv.2011.08.072, **2011**.
L. K. Xue, T. Wang, I. J. Simpson, A. J. Ding, J. Gao, D. R. Blake, X. Z. Wang, W. X. Wang, H. C. Lei, and D. Z. Jing.
<http://www.sciencedirect.com/science/article/pii/S1352231011009277>
424. "Emission Characteristics of Ultrafine Particles and Volatile Organic Compounds in a Commercial Printing Center" *Journal of the Air & Waste Management Association*, *61*, 11, SI, 1093-1101, DOI: 10.1080/10473289.2011.604549, **2011**.
R. Betha, V. Selvam, D. R. Blake and R. Balasubramanian.
<http://www.tandfonline.com/doi/pdf/10.1080/10473289.2011.604549>

425. "Analysis of Coal-Mine-Fire Gas" *Coal and Peat Fires: A Global Perspective, vol 1: Coal-Geology and Combustion*, 127-134, DOI: 10.1015/B978-0-444-52858-2.00008-6, **2011**. Edited by G. B. Stracher, A. Prakash, and E. V. Sokol
T. R. Blake, S. Meinardi and D. R. Blake
426. "Comparative Analysis of Gases Exhaled in Breath and Dissolved in Blood: Development of a Novel Blood Degassing Apparatus" *FASEB Journal*, **25**, **2011**.
H. J. Lee, S. R. Oliver, P. R. Galassetti, and D. R. Blake
427. "Bromine and Iodine Chemistry in a Global Chemistry-Climate Model: Description and Evaluation of Very Short-lived Oceanic Sources" *Atmospheric Chemistry and Physics*, **12**, **3**, 1423-1147, DOI: 10.519/acp-12-1423-2012, **2012**.
C. Ordonez, J. F. Lamarque, S. Tilmes, D.E. Kinnison, E. L. Atlas, D. R. Blake, G. S. Santos, G. Brasseur, and A. Saiz-Lopez.
<http://www.atmos-chem-phys.net/12/1423/2012/acp-12-1423-2012.html>
428. "Impact of the Deep Convection of Isoprene and other Reactive Trace Species on Radicals and Ozone in the Upper Troposphere" *Atmospheric Chemistry and Physics*, **12**, **2**, 1135-1150, DOI:10.5194/acp-12-1135-2012, **2012**.
E. C. Apel, J. R. Olson, J. H. Crawford, R. S. Hornbrook, A. J. Hills, C. A. Cantrell, L. K. Emmons, D. J. Knapp, S. Hall, R. L. Mauldin, A. J. Weinheimer, A. Fried, D. R. Blake, J. D. Crouse, J. M. St. Clair, P. O. Wennberg, G. S. Diskin, H. E. Fuelberg, A. Wisthaler, R. Mikoviny, W. Brune, and D. D. Riemer.
<http://www.atmos-chem-phys.net/12/1135/2012/acp-12-1135-2012.html>
429. "Estimating the Climate Significance of Halogen-driven Ozone Loss in the Tropical Marine Troposphere" *Atmospheric Chemistry and Physics*, **12**, **9**, 3939-3949, DOI:10.5194/acp-12-3939-2012, **2012**.
A. Saiz-Lopez, J. F. Lamarque, D. E., Kinnison, S. Tilmes, C. Ordonez, J. J. Orlando, A. J. Conley, J. M. C. Plane, A. S. Majan, G. S. Santos, E. L. Atlas, D. R. Blake, S. P. Sander, S. Schauffler, A. M. Thompson, and G. Brasseur.
<http://www.atmos-chem-phys.net/12/3939/2012/acp-12-3939-2012.pdf>
430. "An Analysis of Fast Photochemistry over High Northern Latitudes during Spring and Summer using in-situ Observations from ARCTAS and TOPSE" *Atmospheric Chemistry and Physics*, **12**, **15**, 6799-6825, DOI:10.5194/acp-12-6799-2012, **2012**.
J. R. Olson, J. H. Crawford, W. Brune, J. Mao, X. Ren, A. Fried, B. Anderson, E. Apel, M. Beaver, D. Blake, G. Chen, J. Crouse, J. Dibb, G. Diskin, S. R. Hall, L. G. Huey, D. Knapp, D. Richter, D. Riemer, J. St. Clair, K. Wullmann, J. Walega, P. Wibring, A. Weinheimer, P. Wennber, and A. Wisthaler.
<http://www.atmos-chem-phys.net/12/6799/2012/acp-12-6799-2012.html>
431. "Airborne and Ground-based Observations of a Weekend Effect in Ozone, Precursors, and Oxidation Products in the California South Coast Air Basin" *Journal of Geophysical Research-Atmospheres*, **117**, D00V05, DOI:10.1029/2011JD016772, **2012**.
I. B. Pollack, R. B. Ryerson, M. Trainer, D. D. Parrish, A. E. Andrews, E. L. Atlas, D. R. Blake, S. S. Brown, R. Commane, B. C. Daube, J. A. de Gouw, W. P. Dube, J. Flynn, G. J. Frost, J. B. Gilman, N. Grossberg, J. S. Holloway, J. Kofler, E. A. Kort, W. C. Kuster, P. M. Lang, B. Lefer, R. A. Lueb, J. A. Neuman, J. B. Nowak, P. C. Novelli, J. Peischl, A. E. Perring, J. M. Roberts, G. Santoni, J. P. Schwarz, J. R. Spackman, N. L. Wagner, C. Warneke, R. A. Washenfelder, S. C. Wofsy, and B. Xiang.
<http://onlinelibrary.wiley.com/doi/10.1029/2011JD016772/full>

432. "Gas Emissions, Minerals, and Tars Associated with Three Coal Fires, Powder River Basin, USA" *Science of the Total Environment*, 420, 146-159, DOI:10.1016/j.scitotenv.2012.01.037, **2012**.
M. A. Engle, L. F. Radke, E. Heffern, J. M. K. O'Keefe, J. C. Flower, C. D. Smeltzer, J. M. Hower, R. A. Olea, R. J. Eastwell, D. R. Blake, S. D. Emsbo-Mattingly, S. A. Stout, G. Queen, K. L. Aggen, A. Kolker, A. Prakash, K. R. Henke, G. B. Stacher, P. S. Schroeder, Y. Román-Colón, and A. ter Schure.
<http://www.sciencedirect.com/science/article/pii/S0048969712000800>
433. "F. Sherwood Rowland (1927-2012) Obituary" *Nature*, 484, 7393, 168-168, **2012**.
Michael J. Prather, and Donald R.
434. "F. Sherwood Rowland (1927-2012)" *Science*, 336, 6078, 170-170, DOI: 10.1126/science.1222108, **2012**.
Ralph J. Cicerone, Mario J. Molina, and Donald R. Blake
435. "Effect of Hemodialysis and Diet on the Exhaled Breath Methanol Concentration in Patients with ESRD" *Journal of Renal Nutrition*, 22, 3, 357-364, DOI:10.1053/j.jrn.2011.07.003, **2012**
H. J. Lee, M. V. Pahl, N. D. Vaziri, and D. R. Blake.
436. "Ozone and Alkyl Nitrate Formation from the *Deepwater Horizon* Oil Spill Atmospheric Emissions" *Journal of Geophysical Research-Atmospheres*, 117, D09305, DOI: 10.1029/2011JD017150, **2012**.
J. A. Neuman, K. C. Aikin, E. L. Atlas, D. R. Blake, J. S. Holloway, S. Meinardi, J. B. Nowak, D. D. Parrish, J. Peischl, A. E. Perring, I. B. Pollack, J. M. Roberts, T. B. Ryerson, and M. Trainer.
<http://onlinelibrary.wiley.com/doi/10.1029/2011GL046726/abstract;jsessionid=1225BEB616CA725592426C6538DE8FAC.f02t03>
437. "No Inter-Hemispheric δ CH₄ Trend Observed Reply" *Nature*, 486, 7404, E4-E4, DOI:10.1038/nature111476, **2012**.
F. M. Kai, S. C. Tyler, J. T. Randerson, and D. R. Blake.
<http://www.nature.com/nature/journal/v486/n7404/full/nature11176.html>
438. "The Clinical Potential of Exhaled Breath Analysis for Diabetes Mellitus" *Diabetes Research and Clinical Practice*, 97, 2, 195-205, DOI:10.1016/j.diabres.2012.02.006, **2012**.
T. D. C. Minh, D. R. Blake, and P. R. Galasetti.
<http://www.sciencedirect.com/science/article/pii/S0168822712000745>
439. "Aromatic Hydrocarbons as Ozone Precursors before and after Outbreak of the 2008 Financial Crisis in the Pearl River Delta Region, South China" *Journal of Geophysical Research-Atmospheres*, 117, D15306, DOI: 10.1029/2011JD017356, **2012**.
Y. L. Zhang, X. M. Wang, D. R. Blake, L. F. Li, Z. Zhang, S. Y. Wang, H. Guo, F. S. C. Lee, B. Gao, L. Y. Chan, D. Wu, and F. S. Rowland.
<http://www.readcube.com/articles/10.1029/2011JD017356?>
440. "Long-term Decline of Global Atmospheric Ethane Concentrations and Implications for Methane" *Nature*, 488, 7412, 490-494, DOI: 10.1038/nature11342, **2012**.
I. J. Simpson, M. P. S. Andersen, S. Meinardi, L. Bruhwiler, N. J. Blake, D. Helmig, F. S. Rowland, and D. R. Blake.
<http://www.nature.com/nature/journal/v488/n7412/full/nature11342.html>
441. "Baseline Measurements of Ethene in 2002: Implications for Increased Ethanol use and Biomass Burning on Air Quality and Ecosystems" *Atmospheric Environment*, 56, 161-168, DOI:10.1016/j.atmosenv.2012.04.002, **2012**.
J. S. Gaffney, N. A. Marley, and D. R. Blake.
<http://www.sciencedirect.com/science/article/pii/S1352231012003317>

442. "On the Sources of Methane to the Los Angeles Atmosphere" *Environmental Science & Technology*, 47, 17, 9282-9289, DOI:10.1021/es301138y, **2012**.
P. O. Wennberg, W. Mui, D. Wunch, E. A. Kort, D. R. Blake, E. L. Atlas, G. W. Santoni, S. C. Wofsy, G. S. Diskin, S. Jeong, and M. L. Fischer.
<http://pubs.acs.org/doi/pdf/10.1021/es301138y>
443. "Multiyear Trends in Volatile Organic Compounds in Los Angeles, California: Five Decades of Decreasing Emissions" *Journal of Geophysical Research-Atmospheres*, 117, D00V17, DOI: 10.1029/2012JD017899, **2012**.
C. Warneke, J. A. de Gouw, J. S. Holloway, J. Peischl, T. B. Ryerson, E. Atlas, D. Blake, M. Trainer, and D. D. Parrish.
<http://onlinelibrary.wiley.com/doi/10.1029/2012JD017899/pdf>
444. "Chemical Composition of Tropospheric Air Masses Encountered during High Altitude Flights (11.5 km) during the 2009 Fall Operation Ice Bridge Field Campaign" *Journal of Geophysical Research-Atmospheres*, 117, D17306, DOI: 10.1029/2012JD017858, **2012**.
M. Y. M. Yang, S. A. Vay, A. Stohl, Y. Choi, G. S. Diskin, G. W. Sachse, and D. R. Blake.
<http://onlinelibrary.wiley.com/doi/10.1029/2012JD017858/pdf>
445. "Exposure to Potentially Toxic Hydrocarbons and Halocarbons Released from the Dialyzer and Tubing Set during Hemodialysis" *American Journal of Kidney Disease*, 60, 4, 609-616, DOI:10.1053j.akd.2012.02.327, **2012**.
H. J. Lee, S. Meinardi, M. V. Pahl, N. D. Vaziri, and D. R. Blake.
<http://www.ncbi.nlm.nih.gov/pubmed/22507911>
446. "Observations of Isoprene, Methacrolein (MAC) and Methyl Vinyl Ketone (MVK) at a Mountain Site in Hong Kong" *Journal of Geophysical Research-Atmospheres*, 117, D19303, DOI: 10.1029/2012JD017750, **2012**.
H. Guo, Z. H. Ling, I. J. Simpson, D. R. Blake, and D. W. Wang.
<http://onlinelibrary.wiley.com/doi/10.1029/2012JD017750/pdf>
447. "Airborne Observations of Methane Emissions from Rice Cultivation in the Sacramento Valley of California" *Journal of Geophysical Research-Atmospheres*, 117, D00V25, DOI: 10.1029/2012JD017994, **2012**.
J. Peischl, T. B. Ryerson, J. S. Holloway, M. Trainer, A. E. Andrews, E. L. Atlas, D. R. Blake, B. C. Daube, E. J. Dlugokencky, M. L. Fischer, A. H. Goldstein, A. Guha, T. Karl, J. Kofler, E. Kosciuch, P. K. Misztal, A. E. Perring, I. B. Pollack, G. W. Santoni, J. P. Schwarz, J. R. Spackman, S. C. Wofsy, and D. D. Parrish.
<http://onlinelibrary.wiley.com/doi/10.1029/2012JD017994/pdf>
448. "Power-dependent Speciation of Volatile Organic Compounds in Aircraft Exhaust" *Atmospheric Environment*, 61, 275-282, DOI: 10.1016/j.atmoosenv.2012.07.027, **2012**.
Andreas J. Beyersdorf, K. L. Thornhill, E. L. Winstead, L. D. Ziemba, D. R. Blake, M. T. Timko, and B. E. Anderson.
<http://www.sciencedirect.com/science/article/pii/S1352231012006991>
449. "Air Quality Implications of the *Deepwater Horizon* Oil Spill" *Proceedings of the National Academy of Sciences*, 109, 50, 20280-20285, DOI: 10.1073/pnas.1110052108, **2012**.
A. M. Middlebrook, D. M. Murphy, R. Ahmadov, E. L. Atlas, R. Bahreni, D. R. Blake, J. Brioude, J. A. de Gouw, F. C. Fehsenfeld, G. J. Frost, J. S. Holloway, D. A. Lack, J. M. Langridge, R. A. Lueb, S. A. McKeen, J. F. Meagher, S. Meinardi, J. A. Neuman, J. B. Nowak, D. D. Parrish, J. Peischl, A. E. Perring, I. B. Pollack, J. M. Roberts, T. B. Ryerson, J. P. Schwarz, J. R. Spackman, C. Warneke, and A. R. Ravishankar.
<http://www.pnas.org/content/109/50/20280/suppl/DCSupplemental>

450. “Chemical Data Quantify *Deepwater Horizon* Hydrocarbon Flow Rate and Environmental Distribution” *Proceedings of the National Academy of Sciences*, 109, 50, 20246-20253, DOI: 10.1073/pnas.1110564109, **2012**.
T.B. Ryerson, R. Camilli, J.D. Kessler, E.B. Kujawinski, C.M. Reddy, D.L. Valentine, E.L. Atlas, D.R. Blake, J.A. de Gouw, S. Meinardi, D.D. Parrish, J. Peischl, J.S. Seewald, and C. Warneke.
<http://www.pnas.org/content/109/50/20246.full.pdf+html>
451. “Characterizing Air Mass Collected at Lower Troposphere (<2Km) during the 2011 Student Airborne Missions (SARP): Focused on the High Frequency Sampling during the Missed-Approach to LAX” *Abstracts of Papers of the American Chemical Society*, 244, Meeting Abstract: 26-AEI, Aug 19, **2012**.
H. J. Lee, C. Elder, E. Kauffman, E. Weathers, E. Thomas, E. Johnson, H. Turrentine, K. Saad, K. Nighelli, M. Burns, N. Heath, R. Shetter, E. Schaller, A. Webser, E. Buzay, J. Peterson, I. Simpson, F. S. Rowland, and D. R. Blake.
452. “Gas Emissions, Minerals, and Tars Associated with Three Coal Fires, Powder River Basin, USA” *Sciences of the Total Environment*, 420, 146-159, DOI: 10.1016/j.scitotenv.2012.01.037, **2012**
M. A. Engle, L. F. Radke, E. L. Heffern, J. M. K. O’Keefe, J. C. Flower, C. D. Smeltzer, J. M. Hower, R. A. Olea, R. J. Eatwell, D. R. Blake, S. D. Emsbo-Mattingly, S. A. Stout, G. Queen, K. L. Aggen, A. Kolker, A. Prakash, K. R. Henkie, G. B. Stracher, P. A. Schroeder, Y. Roman-Colon, and A. ter Schure.
<http://www.sciencedirect.com/science/article/pii/S0048969712000800>
453. “Noninvasive Measurement of Plasma Triglycerides and Free Fatty Acids from Exhaled Breath” *Journal of Diabetes Science and Technology*, 6, 1, 86-101, DOI: 10.1177/193229681200600112 **2012**.
T. D. C. Minh, S. R. Oliver, R. L. Flores, J. Ngo, S. Meinardi, M. K. Calson, J. Midyett, F. S. Rowland, D. R. Blake, and P. R. Galassetti
454. “Acetone in the Atmosphere of Hong Kong, Abundance, Sources and Photochemical Precursors” *Atmospheric Environment*, 65, 80-88 DOI: 10.1016/atmosenv.2012.10.027, **2013**.
H. Guo, Z. H. Ling, K. Cheung, D. W. Wang, I. J. Simpson, and D. R. Blake.
<http://www.sciencedirect.com/science/article/pii/S1352231012009910>
455. “Source Attributions of Pollution to the Western Arctic during the NASA ARCTAS Field Campaign” *Atmospheric Chemistry and Physics*, 13, 9, 4707-4721, DOI: 10.5194/acp-13-4707-2013, **2013**.
H. Bian, P. R. Colarco, M. Chin, G. Chen, J. M. Rodriguez, Q. Liang, D. Blake, D. A. Chu, A. da Silva, A. S. Darmenov, G. Diskin, H. E. Fuelberg, G. Huey, Y. Kondo, J. E. Nielsen, Z. Pan, A. Wisthaler.
<http://www.atmos-chem-phys.net/13/4707/2013/acp-13-4707-2013.pdf>
456. “Measurements of Reactive Trace Gases and Variable O₃ Formation Rates in some South Carolina Biomass Burning Plumes” *Atmospheric Chemistry and Physics*, 13, 3, 1141-1165, DOI: 10.5194/acp-13-1141-2013, **2013**.
S. K. Akagi, R. J. Yokelson, I. R. Burling, S. Meinardi, I. Simpson, D. R. Blake, G. R. McMeeking, A. Sullivan, T. Lee, S. Kreidenweis, S. Urbanski, J. Reardon, D. W. T. Griffith, T. J. Johnson, D. R. Weise.
<http://www.atmos-chem-phys.net/13/1141/2013/acp-13-1141-2013.html>

457. "Sources and Photochemistry of Volatile Organic Compounds in the Remote Atmosphere of Western China: Results from the Mt. Waliguan Observatory" *Atmospheric Chemistry and Physics*, 13, 17, 8551-8567, DOI: 10.5194/acp-13-8551-2013, **2013**.
L. K. Xue, T. Wang, H. Guo, D. R. Blake, J. Tang, X. C. Zhang, S. M. Saunders, and W. X. Wang
<http://www.atmos-chem-phys.net/13/8551/2013/acp-13-8551-2013.html>
458. "Characterization of Photochemical Pollution at Different Elevations in Mountainous Areas in Hong Kong" *Atmospheric Chemistry and Physics*, 13, 8, 3881-3898, doi: 10.5194/acp-13-3881-2013, **2013**.
H. Guo, Z. H. Ling, K. Cheung, F. Jiang, D. W. Wang, I. J. Simpson, B. Barletta, S. Meinardi, T. J. Wang, X. M. Wang, S. M. Saunders, and D. R. Blake
<http://www.atmos-chem-phys.net/13/3881/2013/acp-13-3881-2013.html>
459. "Observations of Total RONO₂ over the Boreal Forest: NO_x sinks and HNO₃ Sources", 245th National Spring Meeting of the American-Chemical-Society (ACS), New Orleans, LA, April 7-11, **2013**.
E. C. Browne, K. E. Min, P. J. Wooldridge, E. Apel, D. R. Blake, W. H. Brune, C. A. Cantrell, M. J. Cubison, G. S. Diskin, J. L. Jimenez, A. J. Winheimer, P. O. Wennberg, A. Wisthaler, and R. C. Cohen.
<http://www.atmos-chem-phys.net/13/4543/2013/acp-13-4543-2013.pdf>
460. "Airborne Chemical Measurements Provide Time-Critical Decision Support during Offshore Blowouts: Examples from Deepwater Horizon in 2010 and Elgin in 2012", *Abstracts of Papers of the American Chemical Society*, 245, Meeting Abstract: 226-ANYL, April 7, **2013**.
T. B. Ryerson, S. J. B. Bauguitte, J.-B. Stephane, J. D. Lee, A. Wellpott, D. Lowry, R. E. Fisher, A. C. Lewis, J. R. Hopkins, G. Allan, S. O'Shea, M. E. Lanoiselle, J. France, R. T. Lidster, S. Punjabi, A. J. Manning, S. D. Mobbs, M. Gallagher, H. Coe, J. A. Pyle, E. G. Nisbet, D. R. Blake, E. Atlas, J. A. de Gouw, C. Warneke, J. Peischl, D. D. Parrish, and A. R. Ravishankara
461. "Exhaled Breath and Fecal Volatile Organic Biomarkers of Chronic Kidney Disease" *Biochimica et Biophysica Acta-General Subjects*, 1830, 3, 2531-2537, DOI: 10.31016/j.bbagen.2012.12.006, March **2013**.
S. Meinardi, K. B. Jin, B. Barletta, D. R. Blake and N. D. Vaziri
<http://www.sciencedirect.com/science/article/pii/S0304416512003522>
462. "Emission Estimates of HCFCs and HFCs in California from the 2010 CalNex Study" *Journal of Geophysical Research-Atmospheres*, 118, 4, 2019-2030, DOI: 10.1002/jgrd.50209, February 27, **2013**.
B. Barletta, M. Carreras-Sospedra, A. Cohan, P. Nissenson, D. Dabdub, S. Meinardi, E. Atlas, R. Lueb, J. S. Holloway, T. B. Ryerson, J. Pederson, R. A. VanCuren, and D. R. Blake
<http://onlinelibrary.wiley.com/doi/10.1002/jgrd.50209/abstract>
463. "The Contribution of Oceanic Methyl Iodide to Stratospheric Iodine" *Atmospheric Chemistry and Physics*, 13, 23, 11869-11886, DOI: 10.5194/acp-13-11869-2013, **2013**
S. Tegtmeier, K. Kruger, B. Quack, E. Atlas, D. R. Blake, H. Boenisch, A. Engel, J. Jepach, R. Hossaini, M. A. Navarro, S. Raimund, S. Sala, Q. Shi, and R. Ziska

464. “Three Decades of Global Methane Sources and Sinks” *Nature Geosciences*, 6, 10, 813-823, DOI: 10.1038/NNGEO1955, Oct **2013**.
S. Kirschke, P. Bousquet, P. Ciais, M. Saunois, J. G. Canadell, E. J. Dlugokencky, P. Bergamaschi, D. Bergmann, D. R. Blake, L. Bruhwiler, P. Cameron-Smith, S. Castaldi, F. Chevallier, L. Feng, A. Fraser, M. Heimann, E. L. Hodson, S. Houweling, B. Josse, P. J. Fraser, P. B. Krummel, J. F. Lamarque, R. L. Langenfelds, C. Le Quere, V. Naik, S. O’Doherty, P. I. Palmer, I. Pison, D. Plummer, B. Poulter, R. G. Prinn, M. Rigby, B. Ringeval, M. Santini, M. Schmidt, D. T. Shindell, I. J. Simpson, R. Spahni, P. Steele, S. A. Strode, K. Sudo, S. Szopa, G. R. van der Werf, A. Voulgarakis, M. van Weele, R. F. Weiss, J. E. Williams and G. Zeng.
<http://www.nature.com/ngeo/journal/v6/n10/abs/ngeo1955.html>
465. “Award Address (ACS Award for Creative Advances in Environmental Science and Technology sponsored by ACS Division of Environmental Chemistry and ACS Publications Divisions). Long-term Trends in Global Concentrations of Atmospheric Methane and Ethane” *Abstracts of papers of the American Chemical Society*, 245, Meeting Abstract: 241-ENVR, April 7, **2013**.
D. R. Blake, I. J. Simpson, S. Meinardi, M. P. S. Andersen, and Lori Bruhwiler.
466. “Source Attributions of Hazardous Aromatic Hydrocarbons in Urban, Suburban and Rural Areas in the Pearl River Delta (PRD) Region” *Journal of Hazardous Material*, 250, 403-411, DOI: 10.1016/j.jhazmat.2013.02.023, April 15, **2013**.
Y. L. Zhang, W. M. Wang, B. Barletta, I. J. Simpson, D. R. Blake, X. X. Fu, Z. Zhang, Q. F. He, T. Y. Liu, X. Y. Zhao, and X. Ding.
<http://www.sciencedirect.com/science/article/pii/S0304389413001325>
467. “Photochemical Aging of Volatile Organic Compounds in the Los Angeles Basin: Weekday-Weekend Effect” *Journal of Geophysical Research-Atmospheres*, 118, 10, 5018-5028, DOI: 10.1029/2012JD18223, May 27, **2013**.
C. Warneke, J. A. de Gouw, P. M. Edwards, J. S. Holloway, J. B. Gilman, W. C. Kuster, M. Graus, E. Atlas, D. R. Blake, D. R. Gentner, A. H. Goldstein, R. A. Harley, S. Alvarez, B. Rappenglueck, M. Trainer, and D. D. Parrish.
<http://onlinelibrary.wiley.com/doi/10.1002/jgrd.50423/pdf>
468. “Quantifying Sources of Methane using Light Alkanes in the Los Angeles Basin, California” *Journal of Geophysical Research-Atmospheres*, 118, 10, 4974-4990, DOI: 10.1002/jgrd.50413, May 27, **2013**.
J. Peischl, T. B. Ryerson, J. Brioude, K. C. Aikin, A. E. Andrews, E. Atlas, D. R. Blake, B. C. Daube, J. A. deGouw, E. Dlugokencky, G. J. Frost, D. R. Gentner, J. B. Gilman, A. H. Goldstein, R. A. Harley, J. S. Holloway, J. Kofler, W. C. Kuster, P. M. Lang, P. C. Nobelli, G. W. Santoni, M. Trainer, S. C. Wofsy, and D. D. Parrish.
<http://onlinelibrary.wiley.com/doi/10.1002/jgrd.50413/pdf>
469. “A Coupled Model of the Global Cycles of Carbonyl Sulfide and CO₂: A Possible New Window on the Carbon Cycle” *Journal of Geophysical Research-Biogeosciences*, 118, 2, 842-852, DOI: 10.1029/2006JG002668, June 3, **2013**.
J. Berry, A. Wolf, J. E. Campbell, I. Baker, N. Blake, D. Blake, A. S. Denning, A. Scott, S. R. Kawa, S. A. Montzka, U. Seibt, K. Stimler, D. Yakir, and Z. Zhu.
<http://onlinelibrary.wiley.com/doi/10.1002/jgrg.20068/pdf>
470. “Elevated Carbon Monoxide in the Exhaled Breath of Mice during a Systemic Bacterial Infection” *PLOS One*, 8, 7, e69802, DOI: 10.1371/journal.pone.0069802, July 31, **2013**.
A. G. Barbour, C. M. Hirsch, A. G. Langeroudi, S. Meinardi, E. R. G. Lewis, A. S. Estabragh, and D. R. Blake.
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0069802>

471. "VOCs and OVOCs Distribution and Control Policy Implications in Pearl River Delta Region, China" *Atmospheric Environment*, 76, 125-135, SI, DOI: 10.1016/j.atmosenv.2012.08.058, Sep 2013.
P. K. K. Louie, J. W. K. Ho, R. C. W. Tsang, D. R. Blake, A. K. H. Lau, J. Z. Yu, Z. B. Yuan, X. M. Wang, M. Shao, and L. J. Zhong.
<http://www.sciencedirect.com/science/article/pii/S1352231012008436>
472. "Relations between Isoprene and Nitric Oxide in Exhaled Breath and the Potential Influence of Outdoor Ozone: A Pilot Study" *Journal of Breath Research*, 7, 3, 036007, DOI: 10.1088/1752-7155/7/3/036007, Sep 1, 2013.
Alya Khan, N. Staimer, T. Tjoa, P Galassetti, D. R. Blake, and R. J. Delfino.
http://iopscience.iop.org/1752-7163/7/3/036007/pdf/1752-7163_7_3_036007.pdf
473. "Gaseous Compounds and Efflorescences Generated in Self-Heating Coal-Waste Dumps – A Case Study from the Upper and Lower Silesian Coal Bains (Poland)" *International Journal of Coal Geology*, 116, 247-261, DOI: 10.1061/j.coal.2013.05.002, Sep 1 2013.
M. J. Fabianska, J. Ciesielczuk, L. Kruszewski, M. Misz-Kennan, D. R. Blake, G. Stracher, and I. Moszumanska.
474. "Gaseous Emissions and Sublimates from the Truman Shepherd Coal Fire, Floyd Country, Kentucky: A Re-Investigation Following Attempted Mitigation of the Fire" *International Journal of Coal Geology*, 116, 63-74, DOI: 10.1016/j.coal.2013.06.007, Sep, 1, 2013.
J. C. Hower, J. M. K. O'Keefe, K. R. Henke, N. J. Wagner, G. Copley, D. R. Blake, T. Garrison, M. L. S. Oliveira, R. M. Kautzmann, and L. F. O. Silva.
<http://www.sciencedirect.com/science/article/pii/S0166516213001559>
475. "Air Quality in the Industrial Heartland of Alberta, Canada and Potential Impacts on Human Health" *Atmospheric Environment*, 81, 702-709, DOI: 10.1016/j.atmosenv.2013.09.017, Dec 2013.
I. J. Simpson, J. E. Marrero, S. Batterman, S. Meinardi, B. Barletta, and D. R. Blake.
<http://concernedhealthny.org/wp-content/uploads/2013/07/Simpson2013-AE-in-press.pdf>
476. "Gas Signatures from *Escherichia coli* and *Escherichia coli*-Inoculated Human Whole Blood" *Clinical and Translational Medicine*, 2, 13, DOI:10.1186/2001-1326-2-13, 2013.
B. J. Umber, H. W. Shin, S. Meinardi, S. Y. Leu, F. Zaldivar, D. M. Cooper, and D. R. Blake
<http://www.clintransmed.com/content/2/1/13>
477. "Observations of total RONO₂ over the Boreal Forest: NO_x Sinks and HNO₃ Sources" *Atmospheric Chemistry and Physics*, 13, 9, 4543-4562, DOI:10.5194/acp-13-4543-2013, 2013.
E. C. Browne, K. E. Min, P. J. Wooldridge, E. Apel, D. R. Blake, W. H. Brune, C. A. Cantrell, M. J. Cubison, G. S. Diskin, J. L. Jimenez, A. J. Weinheimer, P. O. Wennberg, A. Wisthaler, and R. C. Cohen
<http://www.atmos-chem-phys.net/13/4543/2013/acp-13-4543-2013.pdf>
478. "Diurnal Profiles of Isoprene, Methacrolein and Methyl Vinyl Ketone at an Urban Site in Hong Kong" *Atmospheric Environment*, 84, 323-331, DOI: 10.1016/j.stmosenv.2013.11.056, Feb 2014.
K. Cheung, H. Guao, J. M. Ou, I. J. Simpson, B. Barletta, S. Meinardi, and D. R. Blake
<http://www.sciencedirect.com/science/article/pii/S1352231013009060>

479. “High-Global Warming Potential F-gas Emissions in California: Comparison of Ambient-Based versus Inventory-Based Emission Estimates and Implications of Refined Estimates” *Environmental Science & Technology*, 48, 2, 1084-1093, DOI: 10.1021/es403447v, Jan 21, **2014**. G. Gallagher, T. Zhan, Y. K. Hsu, P. Gupta, J. Penderson, B. Croes, D. R. Blake, B. Barletta, S. Meinardi, P. Ashford, A. Vetter, S. Saba, R. Slim, L. Palandre, D. Clodic, P. Mathis, M. Wagner, J. Forgie, H. Dwyer, and K. Wolf.
<http://pubs.acs.org/doi/abs/10.1021/es403447v>
480. “Spatial and Seasonal Variability of Measured Anthropogenic Non-Methane Hydrocarbons in Urban Atmospheres: Implication on Emission Ratios” *Atmospheric Environment*, 82, 258-267, DOI: 10.1016/j.atmosenv.2013.09.039, Jan **2014**. A. Boynard, A. Borbon, R. Leonardi, B. Barletta, S. Meinardi, D. R. Blake and N. Locoge
<http://www.sciencedirect.com/science/article/pii/S1352231013007279>
481. “Results from the International Halocarbons in Air Comparison Experiment (IHALACE)” *Atmospheric Measurement Techniques*, 7, 2, 469-490, DOI: 10.5194/amt-7-469-2014, **2014**. B. D. Hall, A. Engel, J. Muehle, J. W. Elkins, F. Artuso, E. Atlas, M. Aydin, D. Blake, E. G. Brunke, S. Chiavarini, P. J. Fraser, J. Happell, P. B. Krummel, I. Levin, M. Loewenstein, M. Maione, S. A. Montzka, S. O’Doherty, S. Reimann, G. Rhoderick, E. S. Saltzman, S. E. Scheel, L. P. Steele, M. K. Vollmer, R. F. Weiss, D. Worthy, and Y. Yokouchi
<http://www.atmos-meas-tech.net/7/469/2014/amt-7-469-2014.html>
482. “Evaluation of Polycyclic Aromatic Hydrocarbons Using Analytical Methods, Toxicology, and Risk Assessment Research: Seafood Safety after a Petroleum Spill as an Example” *Environmental Health Perspectives*, 122, 1, 6-9, DOI: 10.1289/ehp.1306724, **2014**. J. Wickliffe, E. Overton, S. Frickel, J. Howard, M. Wilson, B. Simon, S. Echsner, D. Nguyen, D. Gauthé, D. Blake, C. Miller, C. Elferink, S. Ansari, H. Fernando, E. Trapido, and A. Kane
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3888570/>
483. “Air Quality in Mecca and Surrounding Holy Places in Saudi Arabia during Hajj: Initial Survey” *Environmental Science & Technology*, 48, 15, 8529-8539, DOI: 10/1021/es5017476, **2014**. I. Simpson, O. S. Aburizaiaza, A. Siddique, B. Barletta, N. J. Blake, A. Gartner, H. Khwaja, S. Meinardi, J. Zeb, and D. R. Blake
<http://pubs.acs.org/doi/ipdf/10.1021/es5017476>
484. “Ambient CFCs and HCFC-22 Observed Copncurrently at 84 sites in the Pearl River Delta Region during the 2008-2009 Grid Studies” *Journal of Geophysical Research: Atmospheres*, 119, 7699-7717, DOI: 10.1002/2014JD021626, **2014**. Y. Zhang, X. Wang, I. Simpson, B. Barletta, D. R. Blake, S. Meinardi, P. K. K. Louie, X. Zhao, M. Shao, L. Zhong, B. Wang and D. Wu
<http://www.readcube.com/articles/10.1002/2014JD021626?>
485. “Mapping of North American Methane Emissions with High Spatial Resolution by Inversion of SCIAMACHY Satellite Data” *Journal of Geophysical Research: Atmospheres*, 119, 112, 7741-7756, DOI: 10.1002/2014JD021551, **2014**. K. J. Wecht, D. J. Jacob, C. Grankeberg, Z. Jiang, and D. R. Blake
<http://www.readcube.com/articles/10.1002/2014JD021551?>

486. "Breath Gas Metabolites and Bacterial Metagenomes from Cystic Fibrosis Airways Indicate Active pH Neutral, 2,3-butanedione Fermentation" *The ISME Journal*, 8, 1247-1258, DOI: 10.1038/ismej.2013.229, **2014**.
K. K. Whiteson, S. Meinardi, Y. W. Lim, R. Schmieder, H. Maughan, R. Quinn, D. R. Blake, D. Conrad, and F. Rohwer
<http://www.nature.com/ismej/journal/v8/n6/full/ismej2013229a.html>
487. "Convective Transport of Very Short Lived Bromocarbons to the Stratosphere" *Atmospheric Chemistry and Physics*, 14, 11, 5781-5792, DOI: 10.5194/acp-14-5781-2014, **2014**.
Q. Liang, E. Atlas, D. Blake, M. Dorf, K. Pfeilsticker, and S. Schauffler
<http://www.atmos-chem-phys-discuss.net/14/651/2014/acpd-14-651-2014.html>
488. "Emissions of Organic Carbon and Methane from Petroleum and Dairy Operations in California's San Joaquin Valley" *Atmospheric Chemistry and Physics*, 14, 10, 4955-4978, DOI: 10.5194/acp-14-4955-2014, **2014**.
D. R. Gentner, T. B. Ford, A. Guha, K. Boulanger, J. Brioude, W. M. Angevine, J. A. de Gouw, C. Warneke, J. B. Gilman, T. B. Ryerson, J. Peischl, S. Meinardi, D. R. Blake, E. Atlas, W. A. Lonneman, T. E. Dleindienst, M. R. Beaver, J. M. St. Clair, P. O. Wennberg, T. C. VandenBoer, M. Z. Markovic, J. G. Murphy, R. A. Harley, and A. H. Goldstein
<http://www.atmos-chem-phys.net/14/4955/2014/acp-14-4955-2014.html>
489. "Chlorine as a Primary Radical: Evaluation of Methods to Understand its Role in Initiation of Oxidative Cycles" *Atmospheric Chemistry and Physics*, 14, 7, 3247-3440, DOI: 10.5194/acp-14-3427-2014, **2014**.
C. J. Young, R. A. Washenfelder, P. M. Edwards, D. D. Parrish, J. B. Gilman, W. C. Kuster, L. H. Meilke, H. D. Osthoff, C. Tsai, O. Pikelnaya, J. Stutz, P.R. Veres, J. M. Roberts, S. Griffith, S. Dusanter, P. S. Stevens, J. Flynn, N. Grossberg, B. Lefer, J. S. Holloway, J. Peischl, T. B. Ryerson, E. L. Atlas, D. R. Blake, and S. S. Brown
<http://www.atmos-chem-phys.net/14/3427/2014/acp-14-3427-2014.html>
490. "Estimates of European Emissions of Methyl Chloroform using a Bayesian Inversion Method" *Atmospheric Chemistry and Physics*, 14, 18, 9755-9770, DOI: 10.5194/acp-14-9755-2014, **2014**.
M. Maione, F. Graziosi, J. Arduini, F. Furlani, U. Giostra, D. R. Blake, P. Bonasoni, X. Fang, S. A. Montzka, S. J. O'Doherty, S. Reimann, A. Stohl, and M. K. Vollmer
<http://www.atmos-chem-phys.net/14/9755/2014/acp-14-9755-2014.html>
491. "Ground-level Ozone in Four Chinese Cities: Precursors, Regional Transport and Heterogeneous Processes" *Atmospheric Chemistry and Physics*, 14, 23, 13175-13188, DOI: 10.5194/acp-14-13175-2014, **2014**.
L. K. Zuo, T. Wang, J. Gao, A. J. Ding, X. H. Zhou, D. R. Blake, X. F. Wang, S. M. Saunders, S. J. Fan, H. C. Zuo, Q. Z. Zhang, and W. X. Wang
<http://www.atmos-chem-phys.net/14/13175/2014/acp-14-13175-2014.html>
492. "Increasing External Effects Negate Local Efforts to Control Ozone Air Pollution: A Case Study of Hong Kong and Implications for other Chinese Cities" *Environmental Science & Technology*, 48, 18, 10769-10775, DOI: 10.1021/es503278g, **2014**.
L. Xue, T. Wang, P. K. K. Louie, W. Y. Connie, D. R. Blake, and Zheng Xu
<http://pubs.acs.org/doi/ipdf/10.1021/es503278g>

493. "Secondary Organic Aerosol Formation from in-Use Motor Vehicle Emissions Using a Potential Aerosol Mass Reactor" *Environmental Science & Technology*, 48, 19, 11235-11242, DOI: 10.1021/es502239v, **2014**.
D. S. Tkacik, A. T. Lambe, S. Jathar, X. Li, A. A. Presto, Y. L. Zhao, D. Blake, S. Meinardi, J. T. Jayne, P. L. Croteau, and A. L. Robinson
<http://pubs.acs.org/doi/abs/10.1021/es502239v>
494. "On the Use of an Explicit Chemical Mechanism to Dissect Peroxy Acetyl Nitrate Formation" *Environmental Pollution*, 195, 39-47, DOI: 10.1016/j.envpol.2014.08.005, **2014**.
L. K. Xue, T. Wang, X. F. Wang, D. R. Blake, J. Gao, W. Nie, R. Gao, X. M. Gao, Z. Xu, A. J. Ding, Y. Huang, S. C. Lee, Y. Z. Chen, S. Wang, F. H. Chai, Q. Z. Zhang, and W. X. Wang
<http://www.sciencedirect.com/science/article/pii/S0269749114003443>
495. "Evidence of Mixing Between Polluted Convective Outflow and Stratospheric Air in the Upper Troposphere during DC3" *Journal of Geophysical Research-Atmospheres*, 119, 19, 11477-11491, DOI: 10.1002/2014JD022109, **2014**.
J. R. Schroeder, L. L. Pan, T. Ryerson, G. Diskin, J. Hair, S. Meinardi, I. Simpson, B. Barletta, N. Blake, and D. R. Blake
<http://onlinelibrary.wiley.com/doi/10.1002/2014JD022109/full>
496. "Changes in Nitrogen Oxides Emissions in California during 2005-2010 indicated from Top-down and Bottom-up Emission Estimates" *Journal of Geophysical Research-Atmospheres*, 119, 22, 12928-12852, DOI: 10.1002/2014JD022268, **2014**.
M. Huang, K. W. Bowman, G. R. Carmichael, T. F. Chai, R. B. Pierce, J. R. Worden, M. Luo, I. B. Pollack, T. B. Ryerson, J. B. Nowak, J. A. Neuman, J. M. Roberts, E. L. Atlas, and D. R. Blake
<http://onlinelibrary.wiley.com/doi/10.1002/2014JD022268/full>
497. "Assessing Methods to Estimate Emissions of Non-Methane Organic Compounds from Landfills" *Waste Management*, 34, 11, 2260-2270, DOI: 10.1016/j.wasman.2014.07.007, **2014**.
J. M. Saquing, J. P. Chanton, R. Yazdani, M. A. Barlaz, C. Scheutz, D. R. Blake, and P. T. Imhoff
<http://www.sciencedirect.com/science/article/pii/S0956053X14003092>
498. "Quantification of Aerosol Hydrofluoroalkane HFA-134a Elimination in the Exhaled Human Breath Following Inhaled Corticosteroids Administration" *Clinical and Translational Science* DOI: 10.1111/cts.12305, **2015**
H-W. Shin, B. Barletta, L. Yoonessi, S. Meinardi, S-Y. Leu, S. Aizik, I. Randhawa, E. Nussbaum, D. R. Blake, and D. M. Cooper
<http://onlinelibrary.wiley.com/doi/10.1111/cts.12305/full>
499. "Nighttime Air Quality under Desert Conditions" *Atmospheric Environment*, 114, 102-111, DOI: 10.1016/j.atmosenv.2015.05.041, **2015**.
Wendy S. Goliff, M. Luria, D. R. Blake, B. Zielinska, G. Hallar, R. J. Valente, C. V. Lawson, and W. R. Stockwell
<http://www.sciencedirect.com/science/article/pii/S1352231015301138>
500. "Integrating Source Apportionment Tracers into a Bottom-up Inventory of Methane Emissions in the Barnett Shale Hydraulic Fracturing Region" *Environmental Science & Technology*, 49, 13, 8175-8182, DOI: 10.1021/acs.est.5b00057, **2015**.
A. Townsend-Small, J. E. Marrero, D. R. Lyon, I. J. Simpson, S. Meinardi, and D. R. Blake
<http://pubs.acs.org/doi/abs/10.1021/acs.est.5b00057>

501. “Upper Tropospheric Ozone Production from Lightning NO_x-impacted Convection: Smoke Ingestion Case Study from the DC3 Campaign” *Journal of Geophysical Research-Atmospheres*, *120*, 6, 2505-2523, DOI: 10.1002/2014JD022121, **2015**.
E. C. Apel, R. S. Hornbrook, A. J. Hills, N. J. Blake, M. C. Barth, A. Weinheimer, C. Cantrell, S. A. Rutledge, B. Basarab, J. Crawford, G. Diskin, C. R. Homeyer, T. Campos, F. Flocke, A. Fried, D. R. Blake, W. Brune, I. Pollack, J. Peischl, R. Ryerson, P. O. Wennberg, J. D. Drouse, A. Wisthaler, T. Mikoviny, G. Huey, B. Heikes, D. O’Sullivan, and D. D. Riemer
<http://onlinelibrary.wiley.com/doi/10.1002/2014JD022121/full>
502. “Airborne Measurements of Oragnosulfates over the Continental US” *Journal of Geophysical Research-Atmospheres*, *120*, 7, 2990-3005, DOI: 10.1002/2014JD022378, **2015**.
J. Liao, K. D. Froyd, D. M. Murphy, F. N. Keutsch, G. Yu, P. O. Wennberg, J. M. St. Clair, J. D. Crouse, A. Wisthaler, T. Mikoviny, J. L Jimenez, P. Campuzano-Jost, D. A. Day, W. W. Hu, T. B. Ryerson, I. B. Pollack, J. Peischl, B. E. Anderson, L. D. Ziemba, D. R. Blake, S. Meinardi, and G. Diskin
<http://onlinelibrary.wiley.com/doi/10.1002/2014JD022378/full>
503. “Observations of the Temporal Variability in Aerosol Properties and their Relationships to Meteorology in the Summer Monsoonal South China Sea/East Sea: The Scale-dependent Role of Monsoonal flows, the Madden-Julian Oscillation, Tropical Cyclones, Squall Lines and Cold Pools” *Atmospheric Chemistry and Physics*, *15*, 4, 1745-1768, DOI: 10.5194/acp-15-1745-2015, **2015**.
J. S. Reid, N. D. Lagrosas, H. H. Jonsson, E. A. Reid, W. R. Sessions, J. B. Simpas, S. N. Uy, T. J. Boyd, S. A. Atwood, D. R. Blake, J. R. Campbell, S. S. Cliff, B. N. Holben, R. E. Holz, E. J. Hyer, P. Lynch, S. Meinardi, D. J. Posselt, K. A. Richardson, S. V. Salinas, A. Smirnov, Q. Wang, L. Yu, and J. Zhang
<http://search.proquest.com/openview/12fa6c09cbd4236ff4131d5441fbd63b/1?pq-origsite=gscholar>
504. “The POLARCAT Model Intercomparison Project (POLMIP): Overview and Evaluation with Observations” *Atmospheric Chemistry and Physics*, *15*, 12, 6721-6744, DOI: 10.5194/acp-15-6721-2015, **2015**.
L. K. Emmons, S. R. Arnold, S. A. Monks, V. Huijen, S. Tilmes, K. S. Law, J. L. Thomas, J. C. Raut, I. Bouarar, S. Turquety, Y. Long, B. Duncan, S. Steenrod, S. Strode, J. Flemming, J. Mao, M. Langner, A. M. Thompson, D. Tarasick, E. C. Apel, D. R. Blake, R. C. Cohen, J. Dibb, G. S. Diskin, A. Fried, S. R. Hall, L. G. Huey, A. J. Weinheimer, A. Wisthaler, T. Mikoviny, J. Novak, J. Peischl, J. M. Roberts, T. Ryerson, C. Warneke, and D. Helmig
<http://www.atmos-chem-phys.net/15/6721/2015/acp-15-6721-2015.pdf>