
CURRICULUM VITAE

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PROFESSIONAL EXPERIENCE

2000 - present Assistant Professor, Department of Atmospheric Sciences, University of Washington.
1996 - 2000 Postdoctoral Fellow (1996-1999) and Research Associate (1999-2000), Department of Earth and Planetary Sciences, Harvard University.

EDUCATION

1991 - 1996 California Institute of Technology, Department of Environmental Engineering Science. Ph.D. (1996) and M.S. (1992).
1989 - 1991 Ecole Centrale de Lille, Villeneuve d'Ascq, France. 'Diplôme d'Ingénieur' (Engineering degree) received in September 1992.
1987 - 1989 Lycée Chaptal, Paris, France. Preparatory Classes for entrance to the French 'Grandes Ecoles': Mathématiques Supérieures and Mathématiques Spéciales.

AWARDS

NSF Faculty Early Career Development (CAREER) Award (2003-2008).
Editor's Citation for Excellence in Refereeing, Journal of Geophysical Research – Atmospheres (2003).
NASA New Investigator Award (2001-2004).
University of Washington ADVANCE professor (2002).
NASA Group Achievement Awards: 1998 (SONEX), 1995 (ASHOE/MAESA), 1994 (SPADE).
Bourse Lavoisier (1991-92), fellowship from the French Ministry of Foreign Affairs.

PUBLICATIONS

Strode, S., L. Jaeglé, N. Selin, D. J. Jacob, R. Park, R. Yantosca, R. P. Mason, and F. Slemr, Global simulation of air-sea exchange of mercury, *submitted to Global Biogeochemical Cycles*, 2006.
Selin, N., D. J. Jacob, R. Park, R. Yantosca, S. Strode, L. Jaeglé, and D. Jaffe, Chemical cycling and deposition of atmospheric mercury: Global constraints from observations, *submitted to J. Geophys. Res.*, 2006.
Swartzendruber, P.C., D.A. Jaffe, E.M. Prestbo, P. Weiss-Penzias, N.E. Selin, R. Park, D. Jacob, S. Strode, and L. Jaeglé, Observations of reactive gaseous mercury in the free-troposphere at the Mt. Bachelor observatory, *submitted to J. Geophys. Res.*, 2006.
McKendry, I., K. Strawbridge, N. O'Neil, A. M. Macdonald, P. Liu, R. Leitch, K. Anlauf, L. Jaeglé, T. Fairlie, and D. Westphal, Trans-Pacific transport of Saharan dust to western North America: A case study, *submitted to J. Geophys. Res.*, 2006.
Liang, Q., L. Jaeglé, and J.M. Wallace, Meteorological indices for Asian outflow and transpacific transport on daily to interannual timescales, *J. Geophys. Res.*, 110, D18308, doi:10.1029/2005JD005788, 2005.
Jaeglé, L., L. Steinberger, R.V. Martin, and K. Chance, Global partitioning of NO_x sources using satellite observations: Relative roles of fossil fuel combustion, biomass burning and soil emissions, *Faraday Discussions*, 130, 407-433, doi:10.1039/b502128f, 2005.
Jaeglé, L., R.V. Martin, K. Chance, L. Steinberger, T. Kurosu, D.J. Jacob, A.I. Modi, V. Yoboué, L. Sigha-Nkamdjou, and C. Galy-Lacaux, Satellite mapping of rain-induced nitric oxide emissions from soils, *J. Geophys. Res.*, 109(D21310), doi:10.1029/2004JD004787, 2004.

- Sinha, P., L. Jaeglé, P.V. Hobbs, and Q. Liang, Transport of biomass burning emissions from southern Africa, *J. Geophys. Res.*, *109*(D20), D20204, doi: 10.1029/2004JD005044, **2004**.
- Jaffe, D., I. Bertsch, L. Jaeglé, P. Novelli, J. Reid, H. Tanimoto, R. Vingarzan, and D. Westphal, Long-range transport of Siberian biomass burning emissions and impact on surface ozone in western North America, *Geophys. Res. Lett.*, *31*, L16106, doi:10.1029/2004GL020093, **2004**.
- Weiss-Penzias, P., D. Jaffe, A. McClintock, L. Jaeglé, and Q. Liang, The influence of long-range transported pollution on the annual and diurnal cycles of carbon monoxide and ozone at Cheeka Peak Observatory, *J. Geophys. Res.*, *109*(D23), D23S14, doi:10.1029/2004JD004505, **2004**.
- Liang, Q., L. Jaeglé, D. Jaffe et al., Long-range transport of Asian pollution to the Northeast Pacific: Seasonal variations and transport pathways of carbon monoxide, *J. Geophys. Res.*, *109*(D23), D23S07, doi:10.1029/2003JD004402, **2004**.
- Goldstein, A.H., D.B. Millet, M. McKay, L. Jaeglé, et al., Impact of Asian emissions on observations at Trinidad Head, California, during ITCT2K2, *J. Geophys. Res.*, *109*(D23), doi:10.1029/2003JD004406, **2004**.
- Bertschi, I.T., D.A. Jaffe, H.U. Price, L. Jaeglé, and J.B. Dennison, PHOBEA/ITCT 2002 airborne observations of trans-Pacific transport of ozone, CO, VOCs and aerosols to the Northeast Pacific: Impacts of Asian anthropogenic and Siberian boreal fire emissions, *J. Geophys. Res.*, *109*(D23), doi:10.1029/2003JD004200, **2004**.
- Jaeglé, L., D.A. Jaffe, H.U. Price, P. Weiss-Penzias, P.I. Palmer, M.J. Evans, D.J. Jacob, and I. Bey, Sources and Budgets for CO and O₃ in the Northeastern Pacific during the spring of 2001: Results from the PHOBEA-II Experiment, *J. Geophys. Res.*, *108*, D20, 8802, doi: 10.1029/2002JD003121, **2003**.
- Kotchenruther, R., D.A. Jaffe, and L. Jaeglé, Ozone photochemistry and the role of PAN in the springtime northeastern Pacific troposphere: Results from the PHOBEA campaign, *J. Geophys. Res.*, *106*, 28731-28743, **2001**.
- Jaeglé, L., D. J. Jacob, W. H. Brune, and P. O. Wennberg, Chemistry of HO_x radicals in the upper troposphere, *Atmos. Env.*, *35*, 469-489, **2001**.
- Jaeglé, L., 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. Poeschel, G. Ferry, D. R. Blake, and R. Shetter, Photochemistry of HO_x in the upper troposphere at northern midlatitudes, *J. Geophys. Res.*, *105*, 3877-3892, **2000**.
- Faloon, I., D. Tan, W.H. Brune, L. Jaeglé, D.J. Jacob, Y. Kondo, M. Koike, R. Chatfield, R. Poeschel, G. Ferry, G. Sachse, S. Vay, B. Anderson, J. Hannon, and H. Fuelberg, Observations of HO_x and its relationship with NO_x in the upper troposphere during SONEX, *J. Geophys. Res.*, *105*, 3771-3783, **2000**.
- Jaeglé, L., D. J. Jacob, W. H. Brune, I. Faloon, D. Tan, Y. Kondo, G. Sachse, B. Anderson, G. L. Gregory, S. Vay, H. B. Singh, D. R. Blake, and R. Shetter, Ozone production in the upper troposphere and the influence of aircraft during SONEX: Approach of NO_x-saturated conditions, *Geophys. Res. Lett.*, *26*, 3081-3084, **1999**.
- Talbot, R.W., J.E. Dibb, E.M. Scheuer, Y. Kondo, M. Koike, H.B. Singh, L. 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. Jaeglé, Reactive nitrogen budget during the NASA SONEX mission, *Geophys. Res. Lett.*, *26*, 3057-3060, **1999**.
- Brune, W.B., D. Tan, I. Faloon, L. Jaeglé, D.J. Jacob, et al., OH and HO₂ chemistry in the North Atlantic free troposphere, *Geophys. Res. Lett.*, *26*, 3077-3080, **1999**.
- Keim, E. R., S.A. McKeen, R.S. Gao, S.G. Donnelly, R.C. Wamsley, L.A. Del Negro, D.W. Fahey, T.F. Hanisco, E.J. Lanzendorf, M.H. Proffitt, J.J. Margitan, E.J. Hints, L. Jaeglé, C.R. Webster, R.D. May, D.C. Scott, R.J. Salawitch, J.C. Wilson, C.T. McElroy, E.L. Atlas, F. Flocke, and T.P. Bui, NO_y partitioning from measurements of nitrogen and hydrogen radicals in the upper troposphere, *Geophys. Res. Lett.*, *26*, 51-54, **1999**.
- Wennberg, P.O., T.F. Hanisco, L. Jaeglé, D.J. Jacob, et al., Hydrogen radicals, nitrogen radicals and the production of ozone in the middle and upper troposphere, *Science*, *279*, 49-53, **1998**.
- Jaeglé, L., D.J. Jacob, Y. Wang, A.J. Weinheimer, B.A. Ridley, T.L. Campos, W.H. Brune, G.W. Sachse, and D. Hagen, Origin of NO_x in the upper troposphere over the United States, *Geophys. Res. Lett.*, *25*, 1709-1712, **1998**.
- Jaeglé, L., D.J. Jacob, W.H. Brune, D. Tan, I. Faloon, A.J. Weinheimer, B.A. Ridley, T.L. Campos, and G.W. Sachse, Sources of HO_x and production of ozone in the upper troposphere over the United States, *Geophys. Res. Lett.*, *25*, 1705-1708, **1998**.

- Brune, W.H., D. Tan, I.C. Faloona, A.J. Weinheimer, T.L. Campos, B.A. Ridley, S.A. Vay, J.E. Collins, G.W. Sachse, L. Jaeglé, and D.J. Jacob, Airborne in-situ OH and HO₂ observations in the cloud-free troposphere and lower stratosphere during SUCCESS, *Geophys. Res. Lett.*, *25*, 1701-1704, **1998**.
- Webster, C. R., R.D. May, H.A. Michelsen, D.C. Scott, J.C. Wilson, H.H. Jonsson, C.A. Brock, J.E. Dye, D. Baumgardner, R.M. Stimpfle, J.P. Koplów, J. J. Margitan, M.H. Proffitt, L. Jaeglé, R.L. Herman, H. Hu, G. Flesch, and M. Loewenstein, Evolution of HCl concentrations in the lower stratosphere from 1991 to 1996 following the eruption of Mt. Pinatubo, *Geophys. Res. Lett.*, *25*, 995-998, **1998**.
- Jaeglé, L., D.J. Jacob, P.O. Wennberg, C.M. Spivakovsky, T.F. Hanisco, E.L. Lanzendorf, E. Hintsä, D.W. Fahey, E.R. Keim, M.H. Proffitt, E. Atlas, T.E. McElroy, C. Midwinter, L. Pfister, and C. Wilson, Observations of OH and HO₂ in the upper troposphere suggest a major source from convection, *Geophys. Res. Lett.*, *24*, 3181-3184, **1997**.
- Jaeglé, L., C.R. Webster, R.D. May, D.C. Scott, R.J. Salawitch, R.M. Stimpfle, P.O. Wennberg, D.W. Fahey, M.H. Proffitt, J.C. Wilson, P. Newman, L. Lait, M.R. Schoeberl, L. Pfister, and K.R. Chan, Evolution and stoichiometry of heterogeneous processing in the Antarctic stratosphere, *J. Geophys. Res.*, *102*, 13,235-13,253, **1997**.
- Jaeglé, L., Y.L. Yung, G.C. Toon, B. Sen, and J.-F. Blavier, Balloon observations of organic and inorganic chlorine in the stratosphere: the role of HClO₄ production on sulfate aerosols, *Geophys. Res. Lett.*, *23*, 1749-1752, **1996**.
- Webster, C.R., R.D. May, L. Jaeglé, H. Hu, S.P. Sander, M.R. Gunson, G.C. Toon, J.M. Russell III, R.M. Stimpfle, J.P. Koplów, R.J. Salawitch, and H.A. Michelsen, Hydrochloric acid and the chlorine budget of the lower stratosphere, *Geophys. Res. Lett.*, *21*, 2575-2578, **1994**.
- Jaeglé, L., C.R. Webster, R.D. May, D.W. Fahey, E.L. Woodbridge, E.R. Keim, R.S. Gao, M.H. Proffitt, R.M. Stimpfle, R.J. Salawitch, S.C. Wofsy, and L. Pfister, In Situ measurements of the NO₂/NO ratio for testing atmospheric photochemical models, *Geophys. Res. Lett.*, *21*, 2555-2558, **1994**.
- Webster, C.R., R.D. May, M.A. Allen, L. Jaeglé, and M.P. McCormick, Balloon profiles of stratospheric NO₂ and HNO₃ for testing the heterogeneous hydrolysis of N₂O₅ on sulfate aerosols, *Geophys. Res. Lett.*, *21*, 53-56, **1994**.

PRESENTATIONS

- Atmospheric Effects of Aviation Program meeting, Virginia Beach, 1995.
- American Meteorological Society Meeting, Long Beach, 1996.
- Atmospheric Effects of Aviation Program meeting, Virginia Beach, 1996.
- American Geophysical Union, Baltimore, 1997.
- Harvard University, Atmospheric Sciences, invited seminar, 1998.
- Atmospheric Effects of Aviation Program meeting, Virginia Beach, 1998.
- American Geophysical Union, San Francisco, 1998.
- University of Chicago, Department of Geosciences, invited seminar, 1999.
- Goddard Space Flight Center, Atmospheric Chemistry and Dynamics Branch, invited seminar, 1999.
- Atmospheric Effects of Aviation Program meeting, Virginia Beach, 1999.
- University of Pennsylvania, Department of Earth Sciences, Philadelphia, invited seminar, 1999.
- Gordon Research Conference on Atmospheric Chemistry, New Hampshire, invited speaker, 1999.
- Atmospheric Chemistry Meeting, Telluride, Colorado, invited speaker, 2000.
- Atmospheric Sciences Colloquium, University of Washington, invited seminar, 2000.
- Chemical Oceanography, University of Washington, invited seminar, 2001.
- NOAA Aeronomy Laboratory, Boulder, Colorado, invited seminar, 2001.
- Upper Troposphere/Lower Stratosphere Laboratory Chemistry Workshop, Breckenridge, Colorado, invited presentation, 2001.
- American Geophysical Union Meeting, San Francisco, 2001.
- Environmental Chemistry Seminar, University of Washington, 2002.
- Atmospheric Chemistry Meeting, Telluride, Colorado, invited speaker, 2002.
- American Geophysical Union Meeting, San Francisco, 2002.
- NOAA-Aeronomy Laboratory, Boulder, ITCT2K2 data workshop, 2003.

GEOS-CHEM Users' Workshop, Harvard, Cambridge, 2003.
American Geophysical Union Meeting, San Francisco, 2003.
American Geophysical Union Meeting, Montréal, 2004.
Program on Climate Change seminar, University of Washington, 2004.
GEOS-CHEM 2nd Users' Workshop, Harvard, Cambridge, 2005.
Faraday Discussion in Atmospheric Chemistry, Leeds, UK, invited speaker, 2005.
Atmospheric Sciences Colloquium, University of Washington, invited seminar, 2005.
California Institute of Technology, Environmental Science and Engineering, Pasadena, California, invited seminar, 2005.
Jet Propulsion Laboratory, Pasadena, California, invited seminar, 2005.
American Geophysical Union Meeting, San Francisco, 2005.