

# Nicola Jane Blake

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Education B.Sc., Chemical Sciences, University of East Anglia, UK, 1982-1985  
M.Sc., Analytical Chemistry, University of East Anglia, UK, 1985-1986  
Ph.D., Atmospheric Chemistry, University of East Anglia, UK, 1986-1990

Employment **July 2000 - Present**

History University of California Irvine  
Assistant Researcher

**July 1996 - July 2000**

University of California Irvine  
Associate Specialist

**March 1993 - July 1996**

University of California Irvine  
Assistant Specialist

**May 1990 - March 1993**

University of California Irvine  
Postdoctoral Researcher

**October 1989 - May 1990**

University of East Anglia, Norwich, UK  
Postdoctoral Researcher

Professional Affiliations and Tasks Member, American Geophysical Union (AGU).  
Peer-Review Journal Articles for AGU's Journal of Geophysical Research, and Geophysical Research Letters, also Journal of Atmospheric Chemistry and Physics  
Reviewed proposals for National Science Foundation, NASA and the UK Natural Environment Research Council (NERC)  
Poster Session Chair, AGU Fall Meeting, San Francisco, December 1997.  
Oral Session Chair, AGU Fall Meeting, San Francisco, December 1999.  
Oral Session Chair, AGU Spring Meeting, Boston, May 2001.  
Session Chair, AGU Fall Meeting, San Francisco, December 2004  
Session Chair, AGU Fall Meeting, San Francisco, December 2005  
Session Chair, AGU Fall Meeting, San Francisco, December 2006

Awards Science and Engineering Research Council Studentship, 1985-1986  
INCOR Postdoctoral Fellowship, 1992-1994  
NASA Group Achievement Award, 1997  
NASA Group Achievement Award, 1999

## NASA Group Achievement Award, INTEX-NA, 2004

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1. Blake, N. J., Hydrocarbons in the Troposphere, Ph.D. Thesis, University of East Anglia, 1990.
  2. Blake, D. R., D. F. Hurst, T. W. Smith Jr., W. J. Whipple, T. -Y. Chen, N. J. Blake, and F. S. Rowland, Summertime measurements of selected nonmethane hydrocarbons in the Arctic and Sub-Arctic during the 1988 Arctic Boundary Layer Expedition (ABLE 3A), *J. Geophys. Res.*, *97*, 16,559-16,588, 1992.
  3. Blake, N. J., S. A. Penkett, K. C. Clemitshaw, P. Anwyl, P. Lightman, A. R. W. Marsh, and G. Butcher, Estimates of atmospheric hydroxyl radical concentrations from the observed decay of many reactive hydrocarbons in well-defined urban plumes, *J. Geophys. Res.*, *98*, 2851-2864, 1993.
  4. Penkett, S. A., N. J. Blake, P. Lightman, A. R. W. Marsh, P. Anwyl, and G. Butcher, The seasonal variation of non-methane hydrocarbons in the free troposphere over the North Atlantic Ocean: Possible evidence for extensive reaction of hydrocarbons with the nitrate radical, *J. Geophys. Res.*, *98*, 2865-2885, 1993.
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  6. Blake, D. R., T.-Y. Chen, T. W. Smith Jr., O. W. Wingenter, N. J. Blake, E. W. Mayer, and F. S. Rowland, Three dimensional distribution of NMHCs and halocarbons over the northwestern Pacific during the 1991 Pacific Exploratory Mission (PEM-West A), *J. Geophys. Res.*, *101*, 1763-1778, 1996.
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  9. Talbot, R. W., 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, Chemical characteristics of continental outflow over the tropical south Atlantic Ocean from Brazil and Africa, *J. Geophys. Res.*, *101*, 24,187-24,202, 1996.

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  11. N. J. Blake, D. R. Blake, B. C. Sive, T-Y. Chen, J. E. Collins Jr., G. W. Sachse, B. E. Anderson, and F. S. Rowland, Biomass burning emissions and vertical distribution of atmospheric methyl halides and other reduced carbon gases in the South Atlantic region, *J. Geophys. Res.*, *101*, 24,151-24,164, 1996.
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  37. Blake, N. J., D. R. Blake, A. L. Swanson, E. Atlas, F. Flocke, and F. S. Rowland, Latitudinal, vertical, and seasonal variations of C<sub>1</sub>-C<sub>4</sub> alkyl nitrates in the troposphere over the Pacific Ocean during PEM-Tropics A and B: Oceanic and continental sources, *J. Geophys. Res.*, 108 No. D2 10.1029/2001JD001444, 2003.
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52. Blake, N. J., D. R. Blake, I. J. Simpson, S. Meinardi, A. L. Swanson, J. P. Lopez, A. S. Katzenstein, B. Barletta, T. Shirai, E. Atlas, G. Sachse, M. Avery, S. Vay, H.E. Fuelberg, C. M. Kiley, K. Kita, F. S. Rowland, NMHCs and Halocarbons in Asian Continental Outflow during TRACE-P: Comparison to PEM-West B, *J. Geophys. Res.*, 108, 2002JD003367, 2003.
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