

Refereed Publications:

A) Published

(The names of Dr. Huey's undergraduate and graduate students are in *italics*)

- 1) Padro, L.T., D. Tkacik, T. Latham, C.J. Hennigan, A.P. Sullivan, R.J. Weber, L.G. Huey, A. Nenes (2010), Investigation of cloud condensation nuclei relevant properties and droplet growth kinetics of water-soluble aerosol fraction in Mexico City, *J. Geophys. Res.-Atmos.*, *115*, D09204.
- 2) Ziemba L.D., J.E. Dibb, R.J. Griffin, L.G. Huey, P. Beckman (2010), Observations of particle growth at a remote, Arctic site, *Atmos. Environ.*, *44*(13), 1649-1657.
- 3) Warneke, C., J. A. de Gouw, L. Del Negro, J. Brioude, S. McKeen, H. Stark, W. C. Kuster, P. D. Goldan, M. Trainer, F. C. Fehsenfeld, C. Wiedinmyer, A. B. Guenther, A. Hansel, A. Wisthaler, E. Atlas, J. S. Holloway, T. B. Ryerson, J. Peischl, L. G. Huey, and A. T. C. Hanks (2010), Biogenic emission measurement and inventories determination of biogenic emissions in the eastern United States and Texas and comparison with biogenic emission inventories, *J. Geophys. Res.-Atmos.*, *115*.
- 4) Oppenheimer, C., P. Kyle, F. Eisele, J. Crawford, G. Huey, D. Tanner, S. Kim, L. Mauldin, D. Blake, A. Beyersdorf, M. Buhr, and D. Davis (2010), Atmospheric chemistry of an Antarctic volcanic plume, *J. Geophys. Res.-Atmos.*, *115*.
- 5) Mauldin, R., E. Kosciuch, F. Eisele, G. Huey, D. Tanner, S. Sjostedt, D. Blake, G. Chen, J. Crawford, and D. Davis (2010), South Pole Antarctica observations and modeling results: New insights on HOx radical and sulfur chemistry, *Atmos. Environ.*, *44*(4), 572-581.
- 6) Adhikary, B., 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. Al-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, L. 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 (2010), A regional scale modeling analysis of aerosol and trace gas distributions over the eastern Pacific during the INTEX-B field campaign, *Atmos. Chem. Phys.*, *10*(5), 2091-2115.
- 7) McNaughton, C. S., A. D. Clarke, V. Kapustin, Y. Shinozuka, S. G. Howell, B. E. Anderson, E. Winstead, J. Dibb, E. Scheuer, R. C. Cohen, P. Wooldridge, A. Perring, L. G. Huey, S. Kim, J. L. Jimenez, E. J. Dunlea, P. F. DeCarlo, P. O. Wennberg, J. D. Crouse, A. J. Weinheimer, and F. Flocke (2009), Observations of heterogeneous reactions between Asian pollution and mineral dust over the Eastern North Pacific during INTEX-B, *Atmos. Chem. Phys.*, *9*(21), 8283-8308.
- 8) Mao, J., 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 (2009), Airborne measurement of OH reactivity during INTEX-B, *Atmos. Chem. Phys.*, *9*(1), 163-173.
- 9) Lee, C., R. V. Martin, A. van Donkelaar, G. O'Byrne, N. Krotkov, A. Richter, L. G. Huey, and J. S. Holloway (2009), Retrieval of vertical columns of sulfur dioxide from SCIAMACHY and OMI: Air mass factor algorithm development, validation, and error analysis, *J. Geophys. Res.-Atmos.*, *114*.
- 10) Kim, H. S., C. H. Song, R. S. Park, G. Huey, and J. Y. Ryu (2009), Investigation of ship-plume chemistry using a newly-developed photochemical/dynamic ship-plume model, *Atmos. Chem. Phys.*, *9*(19), 7531-7550.
- 11) Fast, J., A. C. Aiken, J. Allan, L. Alexander, T. Campos, M. R. Canagaratna, E. Chapman, P. F. DeCarlo, B. de Foy, J. Gaffney, J. de Gouw, J. C. Doran, L. Emmons, A. Hodzic, S. C. Herndon, G. Huey, J. T. Jayne, J. L. Jimenez, L. Kleinman, W. Kuster, N. Marley, L. Russell, C. Ochoa, T. B. Onasch, M. Pekour, C. Song, I. M. Ulbrich, C. Warneke, D. Welsh-Bon, C. Wiedinmyer, D. R. Worsnop, X. Y. Yu, and R.

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 - 13) de Foy, B., N. A. Krotkov, N. Bei, S. C. Herndon, L. G. Huey, A. P. Martinez, L. G. Ruiz-Suarez, E. C. Wood, M. Zavala, and L. T. Molina (2009), Hit from both sides: tracking industrial and volcanic plumes in Mexico City with surface measurements and OMI SO₂ retrievals during the MILAGRO field campaign, *Atmos. Chem. Phys.*, 9(24), 9599-9617.
 - 14) Zhang, L., D. J. Jacob, K. F. Boersma, D. A. Jaffe, J. R. Olson, K. W. Bowman, J. R. Worden, A. M. Thompson, M. A. Avery, R. C. Cohen, J. E. Dibb, F. M. Flock, H. E. Fuelberg, L. G. Huey, W. W. McMillan, H. B. Singh, and A. J. Weinheimer (2008), Transpacific transport of ozone pollution and the effect of recent Asian emission increases on air quality in North America: an integrated analysis using satellite, aircraft, ozonesonde, and surface observations, *Atmos. Chem. Phys.*, 8(20), 6117-6136.
 - 15) Wang, Y. H., Y. Choi, T. Zeng, D. Davis, M. Buhr, L. G. Huey, and W. Neff (2008), Assessing the photochemical impact of snow NO_x emissions over Antarctica during ANTCI 2003 (reprinted from *Atmospheric Environment*, vol 41, pg 3944-3958, 2007), *Atmos. Environ.*, 42(12), 2849-2863.
 - 16) van Donkelaar, A., R. V. Martin, W. R. Leitch, A. M. Macdonald, T. W. Walker, D. G. Streets, Q. Zhang, E. J. Dunlea, J. L. Jimenez, J. E. Dibb, L. G. Huey, R. Weber, and M. O. Andreae (2008), Analysis of aircraft and satellite measurements from the Intercontinental Chemical Transport Experiment (INTEX-B) to quantify long-range transport of East Asian sulfur to Canada, *Atmos. Chem. Phys.*, 8(11), 2999-3014.
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 - 18) Talbot, R., H. Mao, E. Scheuer, J. Dibb, M. Avery, E. Browell, G. Sachse, S. Vay, D. Blake, G. Huey, and H. Fuelberg (2008), Factors influencing the large-scale distribution of Hg degrees in the Mexico City area and over the North Pacific, *Atmos. Chem. Phys.*, 8(7), 2103-2114.
 - 19) Smith, J. N., M. J. Dunn, T. M. VanReken, K. Iida, M. R. Stolzenburg, P. H. McMurry, and L. G. Huey (2008), Chemical composition of atmospheric nanoparticles formed from nucleation in Tecamac, Mexico: Evidence for an important role for organic species in nanoparticle growth, *Geophys. Res. Lett.*, 35(4).
 - 20) Ren, X. R., 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 (2008), HO_x chemistry during INTEX-A 2004: Observation, model calculation, and comparison with previous studies, *J. Geophys. Res.-Atmos.*, 113(D5).
 - 21) Nunnermacker, L. J., J. B. Weinstein-Lloyd, B. Hillery, B. Giebel, L. I. Kleinman, S. R. Springston, P. H. Daum, J. Gaffney, N. Marley, and G. Huey (2008), Aircraft and ground-based measurements of hydroperoxides during the 2006 MILAGRO field campaign, *Atmos. Chem. Phys.*, 8(24), 7619-7636.
 - 22) Hennigan, C. J., A. P. Sullivan, C. I. Fountoukis, A. Nenes, A. Hecobian, O. Vargas, R. E. Peltier, A. T. C. Hanks, L. G. Huey, B. L. Lefer, A. G. Russell, and R. J. Weber (2008), On the volatility and production mechanisms of newly formed nitrate and water soluble organic aerosol in Mexico City, *Atmos. Chem. Phys.*, 8(14), 3761-3768.

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- 26) Blake, N. J., 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 (2008), Carbonyl sulfide (OCS): Large-scale distributions over North America during INTEX-NA and relationship to CO₂, *J. Geophys. Res.-Atmos.*, 113(D9).
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- 31) Singh, H. B., L. Salas, D. Herlth, 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 (2007), Reactive nitrogen distribution and partitioning in the North American troposphere and lowermost stratosphere, *J. Geophys. Res.-Atmos.*, 112(D12).
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