

## Byron W. Blomquist

University of Colorado/CIRES & NOAA/ESRL/PSD  
 325 Broadway  
 Boulder, CO 80305  
 (303) 497-6287  
 byron.blomquist@colorado.edu

### EDUCATION

Ph.D., Chemistry, 1984, Washington State University  
 B.A., Biochemistry, 1979, Loma Linda University

### PROFESSIONAL EMPLOYMENT

2012 - present Research Scientist, CIRES, University of Colorado, Boulder, CO  
 1997 - 2014, Associate Researcher, University of Hawaii, Honolulu, HI  
 1990 - 1994, Research Assistant Professor, Drexel University, Philadelphia, PA  
 1988 - 1990, Research Postdoctoral Fellow, Drexel University, Philadelphia, PA  
 1987 - 1988, Supervisor, Neutron Activation Analysis Facility (Pullman, Washington),  
 Chemex Labs, Ltd., North Vancouver, B.C., Canada

### REFEREED PUBLICATIONS IN SCHOLARLY JOURNALS (Since 2005)

- 1) Grachev, A.A., L.S. Leo, H.J.S. Fernando, C.W. Fairall, E. Creegan, B.W. Blomquist, A.J. Christman, and C.M. Hocut, *Air-Sea/Land Interaction in the Coastal Zone*, Boundary-Layer Meteorol., doi:[10.1007/s10546-017-0326-2](https://doi.org/10.1007/s10546-017-0326-2), 2017.
- 2) Savelyev, I., L.N. Thomas, G.B. Smith, Q. Wang, R.K. Shearman, T. Haack, A.J. Christman, B. Blomquist, M. Sletten, W.D. Miller, and H.J.S. Fernando, *Aerial Observations of Symmetric Instability at the North Wall of the Gulf Stream*, Geophys. Res. Lett., doi:[10.1002/2017GL075735](https://doi.org/10.1002/2017GL075735), 2017.
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- 4) Wang, Q., D. Alappattu, S. Billingsley, B. Blomquist, R. Burkholder, A. Christman, E. Creegan, T. de Paolo, D. Eleuterio, H. Fernando, K. Franklin, A. Grachev, T. Haack, T. Hanley, C. Hocut, T. Holt, K. Horgan, H. Jonsson, R. Hale, J. Kalogiros, D. Khelif, L. Leo, R. Lind, I. Lozovatsky, J. Panella-Morato, S. Mukherjee, W. Nuss, J. Pozderac, L. Rogers, I. Savelyev, D. Savidge, R. Shearman, L. Shen, E. Terrill, A. Ulate, Q. Wang, R. Wendt, R. Wiss, R. Woods, L. Xu, R. Yamaguchi, and C. Yardim, *CASPER: Coupled Air-Sea Processes and Electromagnetic (EM) ducting Research*, Bull. Amer. Meteorol. Soc., doi:[10.1175/BAMS-D-16-0046.1](https://doi.org/10.1175/BAMS-D-16-0046.1), 2017.

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- 6) Brumer, S.E., C.J. Zappa, I.M. Brooks, H. Tamura, S.M. Brown, B.W. Blomquist, C.W. Fairall, and A. Cifuentes-Lorenzen, *Whitecap Coverage Dependence on Wind and Wave Statistics as Observed during SO GasEx and HiWinGS*, *J. Phys. Oceanog.*, 47, 2211-2235, doi: [10.1175/JPO-D-17-0005.1](https://doi.org/10.1175/JPO-D-17-0005.1), 2017.
- 7) Kim, M.J., G.A. Novak, M.C. Zoerb, M. Yang, B.W. Blomquist, B.J. Huebert, C.D. Cappa, and T.H. Bertram, *Air-Sea exchange of biogenic volatile organic compounds and the impact on aerosol particle size distributions*, *Geophys. Res. Lett.*, 44, 3887–3896, doi: [10.1002/2017GL072975](https://doi.org/10.1002/2017GL072975), 2017.
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- 10) Kim, M.J., M.C. Zoerb, N.R. Campbell, K.J. Zimmermann, B.W. Blomquist, B.J. Huebert, and T.H. Bertram, *Revisiting benzene cluster cations for the chemical ionization of dimethyl sulfide and select volatile organic compounds*, *Atmos. Meas. Tech.*, 9(4), 1473–1484, doi: [10.5194/amt-9-1473-2016](https://doi.org/10.5194/amt-9-1473-2016), 2016.
- 11) Fernando, H.J.S., E.R. Pardyjak, S. Di Sabatino, F.K. Chow, S.F.J. De Wekker, S.W. Hoch, J. Hacker, J.C. Pace, T. Pratt, Z. Pu, W.J. Steenburgh, C.D. Whiteman, Y. Wang, D. Zajic, B. Balsley, R. Dimitrova, G.D. Emmitt, C.W. Higgins, J.C.R. Hunt, J.C. Knievel, D. Lawrence, Y. Liu, D.F. Nadeau, E. Kit, B.W. Blomquist, P. Conry, R.S. Coppersmith, E. Creegan, M. Felton, A. Grachev, N. Gunawardena, C. Hang, C. M. Hocut, G. Huynh, M.E. Jeglum, D. Jensen, V. Kulandaivelu, M. Lehner, L.S. Leo, D. Liberzon, J.D. Massey, K. McEnerney, S. Pal, T. Price, M. Sghiatti, Z. Silver, M. Thompson, H. Zhang, and T. Zsedrovits: *The MATERHORN: Unraveling the Intricacies of Mountain Weather*, *Bull. Amer. Meteorol. Soc.*, 96, 1945–1967, doi:[10.1175/BAMS-D-13-00131.1](https://doi.org/10.1175/BAMS-D-13-00131.1), 2015.
- 12) Yang, M., B.W. Blomquist, and P.D. Nightingale, *Air-sea exchange of methanol and acetone during HiWinGS: Estimation of air phase, water phase gas transfer velocities*, *J. Geophys. Res. Oceans*, 119, 7308-7323, doi:[10.1002/2014JC010227](https://doi.org/10.1002/2014JC010227), 2014.
- 13) Coburn, S., I. Ortega, R. Thalman, B. Blomquist, C.W. Fairall, and R. Volkamer, *Measurements of diurnal variations and eddy covariance (EC) fluxes of glyoxal in the tropical marine boundary layer: description of the Fast LED-CD-DOAS instrument*, *Atmos. Meas. Tech.*, 7,

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- 16) Blomquist, B.W., B.J. Huebert, C.W. Fairall, L. Bariteau, J.B. Edson, J.E. Hare, W.R. McGillis, *Advances in air-sea CO<sub>2</sub> flux measurement by eddy correlation*, Boundary-Layer Meteorol., doi:[10.1007/s10546-014-9926-2](https://doi.org/10.1007/s10546-014-9926-2), 2014.
- 17) Yang, M., S.D. Archer, B.W. Blomquist, D.T. Ho, V.P. Lance, and R.J. Torres, *Lagrangian evolution of dimethylsulfide (DMS) in the Southern Ocean – The effects of vertical mixing and biological community shift*, J. Geophys. Res. Oceans, 118, 1-17, doi:[10.1002/2013JC009329](https://doi.org/10.1002/2013JC009329), 2013.
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- 22) Fairall, C.W., M. Yang, L. Bariteau, J.B. Edson, D. Helmig, W. McGillis, S. Pezoa, J.E. Hare, B. Huebert, and B. Blomquist, *Implementation of the Coupled Ocean–Atmosphere Response Experiment flux algorithm with CO<sub>2</sub>, dimethyl sulfide, and O<sub>3</sub>*, J. Geophys. Res. Oceans, 116, C00F09, doi:[10.1029/2010JC006884](https://doi.org/10.1029/2010JC006884), 2011.

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- 30) Brooks, I.M., A.A. Bloom, B.J. Brooks, J.J. Lingard, J.B. McQuaid, S.J. Norris, M.H. Smith, P.D. Smith, M.J. Yelland, B.I. Moat, R.W. Pascal, J. Prytherch, M. Srokosz, P.K. Taylor, R.C. Upstill-Goddard, M. Salter, P.D. Nightingale, S. Archer, R. Beale, J. Dixon, L. Goldson, N. Hardman-Mountford, M. Liddicoat, G. Moore, J.A. Stephens, E. d'Asaro, C. McNeil, C. Beatty, M. DeGrandpre, B. Blomquist, B. Huebert, J. Cluderay, H. Zimmelink, D. Coles, P. Hsueh, T.G. Leighton, J. Dacey, W.M. Drennan, M. Rebozo, E. Sahlee, J. Gabriele, M.K. Hill, M. Horn, G. De Leeuw, C. Neill, I. Skjelvan, S. O'Doherty, R. Walsh, D. Young, U. Schuster, M. Telszewski, H. Slagter, B. Ward, and D.K. Woolf, *Physical Exchanges at the Air-Sea Interface: UK-SOLAS Field Measurements*, Bull. Amer. Meteorol. Soc., 90, 629–644, doi:[10.1175/2008BAMS2578.1](https://doi.org/10.1175/2008BAMS2578.1), 2009
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- Hill, M. Horn, P. Hsueh, B. Huebert, G. De Leeuw, T.G. Leighton, M. Liddicoat, J.J. Lingard, C. Mcneil, J.B. Mcquaid, B.I. Moat, G. Moore, C. Neill, S.J. Norris, S. O'Doherty, R.W. Pascal, J. Prytherch, M. Rebozo, E. Sahlee, M. Salter, U. Schuster, I. Skjelvan, H. Slagter, M.H. Smith, P.D. Smith, M. Srokosz, J.A. Stephens, P.K. Taylor, M. Telszewski, R. Walsh, B. Ward, D.K. Woolf, D. Young, and H. Zemmeling, *Supplement to Physical Exchanges at the Air–Sea Interface: UK–SOLAS Field Measurements*, Bull. Amer. Meteorol. Soc., 90, ES9–ES16, doi: [10.1175/2008BAMS2578.2](https://doi.org/10.1175/2008BAMS2578.2), 2009.
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**CITATION INDEX (from Web Of Science, number of articles per year citing publications listed above, 2005-2017 only)**

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