Fairall COD report

FY17 Publications

***\*Published***

Jung, Thomas, and 25 co-authors, 2017: Advancing polar prediction capabilities on daily to seasonal time scales. *Bull. Am. Meteor. Soc.*, **97**, 1631-1647, DOI: <http://dx.doi.org/10.1175/BAMS-D-14-00246.1>.

Thomson, Jim, and 27 coauthors, 2016: Emerging trends in the sea state of the Beaufort and Chukchi seas. *Ocean Modeling*, **105**, 1-12, <http://dx.doi.org/10.1016/j.ocemod.2016.02.009>.

Collins, C.O. III, B. Blomquist, B. Lund, W.E. Rogers, J. Thomson, M. Smith, M. Doble, P. Wadhams, A. Kohout, O. Perrson, C. Fairall, D. Wang, and H.C. Graber, 2017: Doppler correction for 1-D wave frequency spectra measured on moving platforms. *J. Atmos. Oceanic Tech.*, **34**, 429-436, DOI: 10.1175/JTECH-D-16-0138.1.

Brumer, Sophia E., Christopher J. Zappa, Ian Brooks, Hitoshi Tamura, Scott M. Brown, Byron Blomquist, Christopher W. Fairall, James B. Edson, and Alejandro Cifuentes-Lorenzen, 2017: Whitecap coverage dependence on wind and wave statistics as observed during SO GasEx and HiWinGS. *J. Phys. Oce.*, **47**, 2211-2235, DOI: 10.1175/JPO-D-17-0005.

Neiman, Paul J., N. Gaggini, C. W. Fairall, J. Aikins, J. Ryan Spackman, L. Ruby Leung,J. Fan, J. Harding, N. R. Nalli, A.B. White, 2017: An Analysis of Coordinated Observations from NOAA’s Ronald Brown Ship and G-IV Aircraft in a Landfalling Atmospheric River over the North Pacific during CalWater-2015. *Mon. Wea. Rev*., **145**, DOI: 10.1175/MWR-D-17-0055.1.

Blomquist, B., C.Fairall, B.Huebert, S.Brumer, M.Yang, L.Bariteau, C.Zappa, I.Brooks, J.Prytherch, J.Hare, 2017: Wind speed and sea state dependencies of air-sea gas transfer: results from the High Wind speed Gas exchange Study (HiWinGS).  *J. Geophys., Res.,* **122**, <https://doi.org/10.1002/2017JC013181>.

Brumer, S. E., C. J. Zappa, B. Blomquist, C. Fairall, A. Cifuentes-Lorenzen, J. Edson, I. Brooks, and B. Huebert, 2017. Wave-related Reynolds number parameterizations of CO 2 and DMS transfer velocities.  *Geophys. Res. Lett*., **44,** https://doi.org/10.1002/

2017GL074979.

***\*In Press***

***\*Reports***

Blomquist, B., 2017: PSD/BLO Stratus 2017 Cruise Report April 20 – May 20, 2017, NOAA PSD, Boulder, CO, pp4.