Fairall COD report

FY18 Publications

***\*Published***

Bariteau, Ludovic; C.W. Fairall, B. Blomquist, nd Sergio Pezoa, 2018: CAPRICORN 2016 Field campaign: surface meteorological data and turbulent fluxes collected from the RV Investigator by the National Oceanographic and Atmospheric Administration (NOAA) in the Indian and South Pacific Oceans from 2016-03-14 to 2016-04-15 (NCEI Accession 0170257). Version 1.1. NOAA National Centers for Environmental Information. Dataset. doi:10.7289/V5Q81BBC.

Thomson, J., and 32 coauthors, 2018: Overview of the Arctic Sea State and Boundary Layer Physics program. *J. Geophys. Res.*, **123**, <https://doi.org/10.1002/2018JC013766>.

Guest, Peter, P. Ola G. Persson, Shouping Wang, Mary Jordan, Yi Jin, Byron Blomquist, Christopher Fairall and David Price, 2018: Low-Level baroclinic jets over the new Arctic Ocean.  *J. Geophys. Res*., **123**, 4074–4091. https://doi.org/10.1002/2018JC013778.

Persson, P.O.G, B. Blomquist, P. Guest, S. Stammerjohn, C. Fairall, L. Rainville, B. Lund, S. Ackley, and J. Thomson 2018: Shipboard observations of the meteorology and near-surface environment during autumn freeze-up in the Beaufort/Chukchi Seas. *J. Geophys. Res*., **123**, 4930–4969. https://doi.org/10.1029/2018JC013786.

***\*In Press***

Bharti,Vidhi, Byron W. Blomquist, C.W. Fairall, Yi Huang, Alain Protat , Peter P. Sullivan, Steven T. Siems, and Michael J. Manton, 2018: Air-sea heat and momentum fluxes in the Southern Ocean.  *J. Geophys. Res*., submitted.

Thompson, Elizabeth J., James Moum, C.W. Fairall, and Steven A. Rutledge, 2018: Wind limits on stable rain layers and diurnal warm layers observed throughout the MJO. *J. Geophys. Res*., submitted.

Shinoda, T., Luis Zamudio, Yanjuan Guo, E. Joseph Metzger, C.W. Fairall, 2018: Ocean variability and air-sea fluxes produced by Atmospheric Rivers.  *Scientific Reports*, submitted.

Bharti,Vidhi, Eric Schulz, Byron W. Blomquist, C.W. Fairall, Yi Huang, Alain Protat, Steven T. Siems, and Michael J. Manton, 2018: Assessing surface heat flux products with *in situ* observations over the Australian sector of the Southern Ocean**.**  *J. Geophys. Res*., submitted.

Shutler, J. D., R. Wanninkhov, P.D. Nightingale, D.K. Woolf, D.C. E. Bakker, A. Watson, I. Ashton, T. Holding, B. Chapron, Y. Quilfen, C.W. Fairall, N. Masakatsu, and C.J. Donlon, 2018: Satellite Earth observation will address critical science priorities for quantifying global ocean carbon.  *Frontiers in Ecology*, submitted.

***\*Reports***