Fairall COD report

FY20 Publications

***\*Published***

Hagos, S., G.R. Foltz, C. Zhang, E. Thompson, H. Seo, S. Chen, A. Capotondi, K.A. Reed, C. DeMott, and A. Protat, 2020: Atmospheric convection and air-sea interactions over the tropical oceans: Scientific Progress, Challenges and Opportunities. *Bull. Amer. Meteor. Soc.,* **101**, E253–E258, <https://doi.org/10.1175/BAMS-D-19-0261.1>

 Norris, Joel R. F. Martin Ralph, Byron Blomquist, Forest Cannon, Reuben Demirdjian, Christopher W. Fairall, Paul J. Neiman, J. Ryan Spackman, Simone Tanelli, and Duane E. Waliser, 2020: An airborne and surface-based study of the complete water vapor budget and associated dynamical processes in an atmospheric river over the Northeast Pacific.  *J. Hydrometeorol.*, **21**, 2655–2673,m <https://doi.org/10.1175/JHM-D-20-0048.1>

 Thompson, Elizabeth and 29 coauthors, 2020. NOAA Physical Sciences Laboratory (2020). The Atlantic Tradewind Ocean-Atmosphere Mesoscale Interaction Campaign (ATOMIC), Barbados, Jan 17 - Feb 12 2020. NOAA National Centers for Environmental Information. Dataset. <https://accession.nodc.noaa.gov/ATOMIC-2020> .

***\*In Press***

Bariteau, Ludovic; C.W. Fairall, B. Blomquist, and Sergio Pezoa, 2020: Summary of ship-based air-sea flux observations from 30 PSD field campaigns 1992-2018. NCEI Accession 0170257. Version 1.1. NOAA National Centers for Environmental Information. Dataset. Submitted.

Brizuela, N., S. Johnston, M. H. Alford, O. Asselin, D. L. Rudnick, J. N. Moum, and E. J. Thompson, 2020 submitted: Mixing, upwelling, and internal wave generation beneath Super Typhoon Mangkhut: a vorticity-divergence view of the ocean response to tropical cyclones. *J. Phys. Ocean*., in press.

PopStefanija,I., C.W. Fairall and E. Walsh, 2020: Mapping of directional wave spectra in hurricanes and other environments. *IEEE JRS*., submitted.

Quinn, P.K., and 29 coauthors, 2020: Measurements made on the RV *Ronald H. Brown* and related platforms as part of the Atlantic Tradewind Ocean-Atmosphere Mesoscale Interaction Campaign (ATOMIC). *ESSD*, submitted.

***\*Data Reports***

Pezoa, S., 2020: WHOTS 2019 Bulk Meteorology System Ship-Based (October 2-12, 2019) aboard *R/V Oscar Sette*. PSD. Informal report.

Thompson, E.J., 2020: Report on R/V Ronald H. Brown and NTAS Flux Reference buoy during the ATOMIC field program meteorological and seawater measurements. PSD. Informal report.

DeSzoeke, Simon, 2020: Sea surface temperature from multiple in situ sensors on MISO-BOB 2019 research cruise. Oregon State University Report, https://ir.library.oregonstate.edu/concern/datasets/5138jn655.