Fairall COD report

FY20 Publications

***\*Published***

PopStefanija,I., C.W. Fairall and E. Walsh, 2021: Mapping of directional wave spectra in hurricanes and other environments. IEEE Transactions on Geoscience and Remote Sensing, doi: [10.1109/TGRS.2020.3042904](https://ieeexplore.ieee.org/document/9303383?source=authoralert)

Quinn, P.K., and 29 coauthors, 2021: Measurements made on the RV Ronald H. Brown and related platforms as part of the Atlantic Tradewind Ocean-Atmosphere Mesoscale Interaction Campaign (ATOMIC). *Earth Syst. Sci. Data,* **13**, 1759–1790,. <https://essd.copernicus.org/articles/13/1759/2021/> .

McFarquhar, G., and 52 coauthors, 2021: Observations of clouds, aerosols, precipitation, and surface radiation over the Southern Ocean: An overview of CAPRICORN, MARCUS, MICRE and SOCRATES. *Bull. Am. Met. Soc.*, <https://doi.org/10.1175/BAMS-D-20-0132.1>.

Stevens, B., and 245 coauthors, 2021: The EUREC4A field program. *Earth Syst. Sci. Data,* **13**, 4067–4119, <https://essd.copernicus.org/articles/13/4067/2021/> .

***\*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 1992-2020. 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. Geophys. Res.*., in press.

Weller, R.A., Roger Lukas, James Potemra, Albert. J. Plueddemann, C.W. Fairall, and Sebastien Bigorre, 2021: Ocean Reference Stations: Long-term in situ observations of surface meteorology and air-sea fluxes at fixed open ocean locations are essential. *Bull. Amer. Met. Soc*., submitted.

Yang, Thomas G. Bell, Jean Bidlot, Byron W. Blomquist, Brian J. Butterworth, Yuanxu Dong, C. W. Fairall, Sebastian Landwehr, Christa A. Marandino, Scott D. Miller, Eric S. Saltzman, Alexander Zavarsky, 2021: Global synthesis of air-sea CO2 transfer velocity estimates from ship-based eddy covariance measurements. *Frontiers. Mar. Sci..,* submitted.

***\*Data Reports***

Blomquist, B., 2020: WHOTS 2020 Bulk Meteorology System Ship-Based (Sept 25-39, 2020) aboard *R/V Oscar Sette*. PSD. Informal report.