

J. Jacob A. Huff

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EDUCATION

M.S. in Marine and Atmospheric Science Aug. 2015 – Jan. 2018
Stony Brook University, Stony Brook, NY graduation: Jan. 2018
Department of Marine and Atmospheric Sciences
Thesis Title: Evaluating the Influence of CAM5 Aerosol Configuration on
Simulated Tropical Cyclones in the North Atlantic and
Associated East Coast Precipitation

B.S. in Meteorology and Geography Aug. 2011 – May 2015
Valparaiso University, Valparaiso, IN graduation: May 2015
Department of Meteorology and Geography

PROFESSIONAL EXPERIENCE

Research Assistant II Aug 2021 - present
Woodwell Climate Research Center, Falmouth, MA
Risk Program

Visiting Scientist May 2019 – Aug 2021
University Corporation for Atmospheric Research, Boulder, CO
Geophysical Fluid Dynamics Laboratory, Princeton, NJ

GIS Technician Jan 2019 – April 2019
Continental Mapping Consultants
Sun Prairie, WI

Research Assistant June 2016 – Jan 2018
Stony Brook University, Stony Brook, NY
Department of Marine and Atmospheric Sciences

Teaching Assistant Aug. 2015 – May 2016
Stony Brook University, Stony Brook, NY
Department of Marine and Atmospheric Sciences

ADDITIONAL EXPERIENCE

CESM Tutorial Aug. 8, 2016 – Aug. 12, 2016
National Center for Atmospheric Research, Boulder, CO

Significant Opportunities in Atmospheric Research and Sciences Academy June 2014
National Center for Atmospheric Research, Boulder, CO

REFEREED PUBLICATIONS

Harris, L., Zhou, L., Lin, S.-J., Chen, J.-H., Chen, X., Gao, K., et al. (2020). **GFDL SHIELD: A unified system for weather-to-seasonal prediction.** *Journal of Advances in Modeling Earth Systems*, 12, e2020MS002223. <https://doi.org/10.1029/2020MS002223>

Reed, K. A., Bacmeister, J. T., Huff, J. J. A., Wu, X., Bates, S. C., & Rosenbloom, N. A. (2019). **Exploring the impact of dust on North Atlantic hurricanes in a high-resolution climate model.** *Geophysical Research Letters*, 46, 1105–1112. <https://doi.org/10.1029/2018GL080642>

Xiang, B., Harris, L., Delworth, T. L., Wang, B., et al. **The GFDL SPEAR S2S Prediction System and Its Application in Predicting Different Types of MJO.** Submitted to BAMS.

REFEREED CONFERENCE PROCEEDINGS

Huff, J., Reed, K. **Exploring Potential Connections Between Tropical Cyclones and Dust in the North Atlantic.** *8th Northeast Tropical Meteorology Workshop*, Rensselaerville, NY, June 20-23, 2017.