

Stephanie Stevenson Ph.D.

Meteorologist/Programmer National Hurricane Center

Stephanie Stevenson, Ph.D., works as a meteorologist and programmer in the Technology and Science Branch (TSB) of the National Hurricane Center (NHC). She first began working at NHC in 2017 as the GOES Tropical Applications Developer through a Research Scientist position at the Cooperative Institute for Research in the Atmosphere at Colorado State University. She has previously worked on integrating the GOES Geostationary Lightning Mapper (GLM) into NHC operations and bringing new datasets from aircraft reconnaissance to the forecasters in their display software. In her role with TSB, which began in 2020, Dr. Stevenson works on the development and maintenance of the guidance suite on the NOAA supercomputers, satellite data processing and product development, and software transition activities.

Dr. Stevenson graduated in 2012 with her Bachelor of Science degree in Meteorology and minor in Mathematics from Texas A&M University. She received her Doctor of Philosophy degree in 2018 in Atmospheric Science from the University of Albany with a



dissertation titled *The Influence of lightning-producing convection on tropical cyclone intensity change*.

Much of her research interests were, and continue to be, centered on connecting lightning data to changes in tropical cyclone intensity. During her time at Texas A&M University and the University at Albany, she participated in two field campaigns centered on tropical weather: the Dynamics of the Madden Julian Oscillation (DYNAMO), and the Hurricane and Severe Storm Sentinel (HS3).

Dr. Stevenson has authored and coauthored many peer-reviewed scientific journal articles. She is currently serving as an Associate Editor for the American Meteorological Society's *Monthly Weather Review* journal. She has given dozens of presentations at scientific workshops and conferences on tropical cyclones, and is an active member of the American Meteorological Society.

