

# Jeffrey Lewitsky

## Senior Marine Meteorologist National Hurricane Center

Jeffrey Lewitsky is a Senior Marine Meteorologist at the Tropical Analysis and Forecast Branch (TAFB) of NOAA's National Hurricane Center in Miami, Florida.

He received a Bachelor of Science Degree from the University of North Carolina at Asheville (2002) and a Master of Science Degree from North Carolina State University (2007).

Jeffrey began his career as a certified weather observer at the Charleston, South Carolina, International Airport in 2005, followed by the Piedmont Triad International Airport in Greensboro, North Carolina in 2006.

In late 2006 Jeffrey joined the National Weather Service as a Meteorologist (intern) at the Weather Forecast Office in Eureka, California. During his time in Eureka, he faced many forecasting challenges including an extensive marine area of responsibility, fire weather forecasting, topographic variability for temperatures and snow levels, major Pacific storm systems, aviation and visibility forecasting. Eureka was and continues to be an office known for innovation and advances in NWS marine products and tools including the Simulating Waves Nearshore (SWAN) model, partitioned wave data, marine point-in-click gridded forecast database, nearshore waters marine forecast zones, and bar forecasting for the entrance to the Humboldt Bay.

In early 2008, Jeffrey received a promotion to General Forecaster at the Weather Forecast Office in Wakefield, Va. In 2009, he became a forecaster at the Tropical Analysis and Forecast Branch (TAFB) of the National Hurricane Center and was promoted to senior forecaster in 2015.



He has been instrumental in moving TAFB forward by instituting the Graphical Forecast Editor software which allows the forecast staff the ability to create a 10 km by 10 km gridded database across the 14 million square miles of marine responsibility that TAFB covers. This gridded database contains detailed 3 hourly and 6 hourly weather digital weather forecast information for various marine weather elements out to 7 days. It is also used to derive other graphical forecast products, including marine radiofax charts sent to and received by vessels at sea, and various text and voice forecasts transmitted to marine customers. The interface also allows for coordination between NCEP's Ocean Prediction Center in Washington, DC, the Honolulu Weather Forecast Office, as well as 12 other bordering Weather Forecast Offices. Jeffrey has also led the effort to increase and enhance Incident Decision Support Services across the TAFB area of responsibility. For several months in 2018, he served as the acting TAFB branch chief.

In March 2020, Jeffrey worked with a team to set up remote operation capabilities for NHC staff which was utilized throughout the record-breaking Atlantic hurricane season of 2020 and again in 2021. These capabilities have also allowed for enhanced IDSS, backup, and COOP options for NHC.



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