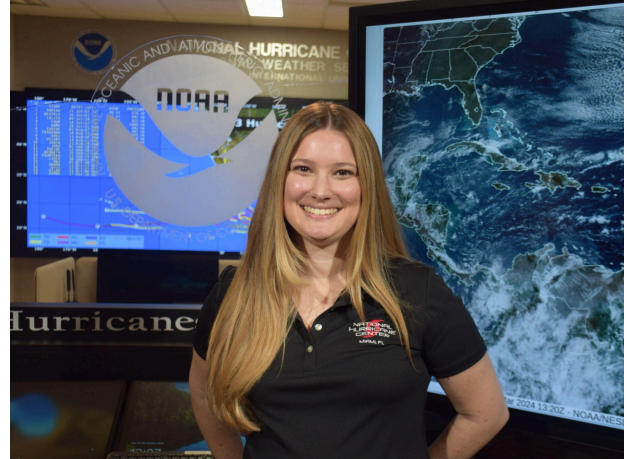# Samantha Camposano

Meteorologist/Programmer National Hurricane Center

Samantha Camposano is a Meteorologist with the Technology & Science Branch at NOAA's National Hurricane Center in Miami, FL.

Samantha earned her Bachelor of Science degree in Meteorology and Marine Science (2017) and her Master of Professional Science degree in Atmospheric Science (2018), both from the University of Miami.
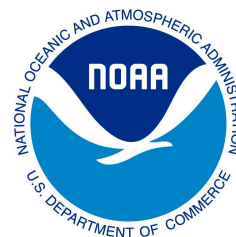
In 2019, Samantha began her career supporting the Statistical Modeling Division of the NWS Meteorological Development Laboratory (MDL) in Silver Spring, MD. While there, she developed and transitioned a statistical post-processing technique using object-based matching and combining of tropical numerical weather prediction model output into the National Blend of Models as the Tropical Wind Speed product.

Samantha returned to the University of Miami in 2021 to join the Cooperative Institute for Marine and Atmospheric Studies (CIMAS) as a Senior Research Associate, where she supported the Hurricane Research Division (HRD) at the NOAA Atlantic Oceanographic and Meteorological Laboratory (AOML). Her role was essential in contributing to the foundations of the new Hurricane and Ocean Testbed (HOT) within NHC, where emerging oceanic and meteorological research and technologies are evaluated for transition into tropical cyclone forecast operations. She helped organize and conduct the first few inaugural HOT events, such as a collaborative software experiment with NWS forecasters, and an NHC and HRD "hackathon" using observational data in real time from the Hurricane Field Program.

Samantha joined NHC in 2022 where she remains involved in research-to-operations activities in the HOT, and is part of the team responsible for maintaining software and dataflow used to produce forecasts and products at NHC. She also leads the development and configuration of the new Wind Watch/Warning Tool for use by NHC and NWS Forecasters for the depiction of watch/warning hazards in AWIPS. Samantha has presented her work at several conferences and workshops, and is a member of the American Meteorological Society.

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