

# Nelsie Ramos, Ph.D.

## Meteorologist Tropical Analysis and Forecast Branch National Hurricane Center

Nelsie Ramos, Ph.D., is a Marine Forecaster at NOAA's National Hurricane Center Tropical Analysis and Forecast Branch (TAFB) in Miami, Florida. She is a bilingual meteorologist with operational expertise, and experience in applied and scientific research.

In TAFB, she is responsible for analyzing the weather and sea conditions, and forecasting wind and waves across the surface of the tropical and subtropical Atlantic and east Pacific oceans. Dr. Ramos leads her unit in activities related to the operational geostationary satellites, and transition to the Advanced Weather Interactive Processing System II. She also leads the evaluation of new satellite operational products, collaborates in the development and evaluation of new experimental products, and provides impact-based decision support services to the USCG. Nelsie is also the NHC lead focal point on Diversity and Inclusion. In this capacity, she leads the planning and organization of events, such as the NOAA Florida Diversity and Inclusion Workshop, with the aim to maintain and improve the environment and labor relations in the agency.

During the hurricane season, Dr. Ramos provides support to the Hurricane Specialists and CARCAH Units. This support involves coordinating tropical cyclones watches and warnings, and operational reconnaissance requirements with Spanish speaking countries, and performing media interviews.



Dr. Ramos earned a Bachelor of Science in Mathematics in Computer Sciences with a minor in Geographic Information Systems and Remote Sensing from the University of Puerto Rico, Mayaguez Campus, and a Master of Science and Ph.D. in Atmospheric Sciences from Howard University in Washington, DC. Her doctoral research involved modeling and data assimilation using the Hurricane Weather Research and Forecasting model with the aim to find distinguishing factors to better discriminate between possible developing and non-developing African Easterly Waves into tropical cyclones.

Her early career professional experiences include working as a student intern for NOAA AOML/HRD, NOAA Melbourne Weather Forecast Office, U.S. Bureau of Census Geography Division, and U.S. Geological Survey. Nelsie is a member of the NWS Diversity and Professional Advancement Working Group, and the AMS Policy Colloquium group. Other activities that Dr. Ramos enjoys include outreach and mentoring students.



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