Nelsie Ramos, Ph.D.

Meteorologist
National Hurricane Center

Nelsie Ramos. Ph.D., is a Meteorologist at NOAA's National Hurricane Center Tropical Analysis and Forecast Branch (TAFB) in Miami, Fla. She is responsible for analyzing the weather and sea conditions in the tropics and predicting wind and waves across the surface of the oceans. She also leads her unit in activities related to the upcoming operational geostationary satellite GOES-R, including providing training and evaluating prototypes of the new products that will be available after the satellite launch in late 2016. Dr. Ramos also provides support to the Hurricane Specialist Unit during landfalling tropical cyclone events, and leads the coordination of diversity events at the NHC with the aim to maintain and improve the environment and labor relations.

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 in Atmospheric Sciences from Howard University in Washington DC. She received her Ph.D. in Atmospheric Sciences from Howard University (December 2012). Her research involved modeling and data assimilation using the NOAA AOML/HRD experimental 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, US Bureau of Census Geography Division, and U.S. Geological Survey. As a Meteorologist with the National Hurricane Center, she was also the Principal Investigator of the 1st collaboration research with the National Centers for Environmental Prediction Environmental Modeling Center. In this investigation, Dr. Ramos and her collaborators assessed the impacts of supplemental upper air soundings on tropical cyclone model forecasts.

Dr. Ramos is a member of the American Meteorological Society which has been a platform to display her research at Annual and Hurricane Meetings. Additional professional affiliations include: the Hispanic Association of Colleges and Universities and the AMS Policy Colloquium group. Among other activities, Ramos enjoys doing outreach and mentoring students.

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