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Service Change Notification 25-69
National Weather Service Headquarters Silver Spring MD
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From: Geoff Manikin
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 Meteorological Development Laboratory

Subject: Upgrade to National Blend of Models (NBM) Tropical 10m Wind
Speed/Wind Direction grids: Effective September 2, 2025

On Tuesday, September 2, 2025, beginning with the 1300 Universal Time Coordinated (UTC) model run, the NWS Meteorological Development Laboratory (MDL) implemented an update to the National Blend of Models (NBM) guidance over the Contiguous United States (CONUS) and OCONUS (Hawaii (HI), Puerto Rico (PR), and Oceanic (OC)) National Digital Forecast Database (NDFD) domains.

Stakeholders, including NCEP's National Hurricane Center (NHC), expressed concern about the dissemination of NBM Tropical 10m Wind Speed/Wind Direction grids filled with entirely missing values when the Hurricane Center's Gridded Tropical Cyclone Forecast Advisory Message (wTCM) 10m Wind Speed grid is missing or unavailable. To remedy this issue, the NBM now substitutes those missing Tropical 10m Wind Speed/Wind Direction grids with the NBM's deterministic 10m Wind Speed/Wind Direction grids. This change prevents any temporal interruptions in the NBM 10m Tropical Wind Speed/Direction grids; these products are generated for the 0100, 0700, 1300, and 1900 UTC NBM cycles.

For questions regarding the implementation of NBM guidance or NBM data available on Amazon Web Services, please contact:

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For questions regarding the data flow for NWS/NCEP services,

please contact:

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A web page describing the NBM can be found at:

<https://vlab.noaa.gov/web/mdl/nbm>

NWS National Service Change Notices are online at:

<http://www.weather.gov/notification>

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