

NOUS41 KWBC 171645
PNSWSH

Service Change Notice 26-58
National Weather Service Headquarters Silver Spring MD
1245 PM EDT Wed Jun 17 2026

To: Subscribers:
 -NOAA Weather Wire Service
 -Emergency Managers Weather Information Network
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From: David Michaud
 Director, NWS Central Operations

Subject: Upgrade of the National Blend of Models to Version 5.0 Bug Fix:
Effective June 18, 2026

Effective on or about Thursday, June 18, 2026, beginning with the 1200 Coordinated Universal Time (UTC) run, the National Weather Service Central Operations will implement a bug fix upgrade for the National Blend of Models (NBM) to address errors discovered in v5.0.

This upgrade addresses the following errors in v5.0:

- Interpolation bug impacting Craven-Wiedefeld Aggregate Severe Parameter (CWASP)
- Text bulletins formatting issues and missing time step in NBE
- Weather Prediction Center (WPC) Multi-Model Ensemble Based Climatology (MMEBC) timing adjustment to be able to use this model one run earlier in QPF Model Discriminator (QMD)
- QMD wind GRIB2 metadata fix to ensure threshold value is identical to what is expected, allowing headers to be processed normally
- Turn off the tropical winds feature matching when no GTCM is present

Full details on NBM v5.0 are available in the original notice at:

https://www.weather.gov/media/notification/pdf_2026/scn26-24_Updated_NBM_V5.0_aac.pdf

In the event that the implementation date is declared a Critical Weather Day (CWD), an Enhanced Caution Event (ECE), or other significant weather is occurring or is anticipated to occur, implementation of this change will take place at 1200 UTC on the next weekday not declared a CWD and when no significant weather is occurring.

NWS encourages users to ensure their decoders are flexible and are able to adequately handle changes in content order, changes in the scaling factor component within the product definition section (PDS) of the Gridded Binary (GRIB) files, and any volume changes which may be forthcoming. These elements may change with future NCEP model implementations. NCEP will make every attempt to alert users to these changes prior to any implementations.

Please submit comments, questions, or requests pertaining to this upgrade to:

Geoff Manikin
WGPD Chief
OMD/Silver Spring, Maryland
geoffrey.manikin@noaa.gov

or

David Rudack
NBM Team Lead
OMD/Silver Spring, Maryland
david.rudack@noaa.gov

For questions about the dataflow aspects, please contact:

Margaret Curtis
NWS Central Operations Dataflow Team Lead
ncep.pmb.dataflow@noaa.gov

National Service Change Notices are online at:

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

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