

NOUS41 KWBC 181630

PNSWSH

Service Change Notice 26-18

National Weather Service Headquarters Silver Spring MD

1130 AM EST Wed Feb 18 2026

To: Subscribers:

- NOAA Weather Wire Service
- Emergency Managers Weather Information Network
- NOAAPort
- Other NWS Partners, Users and Employees

From: Jason Levit

Branch Chief

Verification, Post-Processing, and Product Generation
NCEP/Environmental Modeling Center

Subject: Implementation of version 2.0 of the EMC Verification System (EVS) and Changes to Various Graphics on the (EVS) Website on or about March 23, 2026.

Effective on or about March 23, 2026, the National Weather Service will implement version 2.0 of the EMC Verification System (EVS). Various graphics on the EVS website will change as a result of the implementation, with both the addition and removal of some graphics, depending on the specific application.

Below is a comprehensive list of components and plots scheduled for decommissioning, along with their corresponding data and website locations:

1) GFS verification page

<https://www.emc.ncep.noaa.gov/users/verification/global/gfs/prod/> :

- Skill scores from the last 31 days (retaining plots
Showing skill scores from the last 90 days)
- Time series and performance diagram plots except those showing forecast hours F000, F024, F072, F120, and F240
- Times series and forecast hour mean plots of:
 - Geopotential Height at ≥ 700 hPa and ≤ 300 hPa
 - U-wind, V-wind, and Vector wind at 500 hPa
 - Ozone at 100, 50, 20, and 5 hPa
- Vertical profiles except those showing:
 - Forecast hours F000, F006, F012, F018, F024, F072, F120, and F240
 - Lower-troposphere, troposphere, and all levels
- Forecast Mean Variable plots
- Precipitation plots showing threshold values in mm
- Fraction Skill Score plots except widths 1 and 13

2) GEFS verification page

<https://www.emc.ncep.noaa.gov/users/verification/global/gefs/prod/> :

- Skill scores from the last 31 days (retaining plots

- showing skill scores from the last 90 days)
- Time series and performance diagram plots except those showing forecast hours F120, F240, and F360
- Times series and forecast hour mean plots of Geopotential Height at ≥ 700 hPa
- Vertical profiles except those showing forecast hours F000, F006, F012, F018, F024, F072, F120, F240, and F360
- Fraction Skill Score plots except widths 1 and 3

3) NAEFS verification page

<https://www.emc.ncep.noaa.gov/users/verification/global/naefs/prod/>

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- Skill scores from the last 31 days (retaining plots showing skill scores from the last 90 days)
- Fraction Skill Score plots except widths 1 and 3

4) Subseasonal verification page

<https://www.emc.ncep.noaa.gov/users/verification/global/subseasonal/prod/>

:

- Skill scores from the last 31 days (retaining plots showing skill scores from the last 90 days)
- Fraction Skill Score plots except widths 1 and 3

5) NFCENS verification page

https://www.emc.ncep.noaa.gov/users/verification/ocean_lake/nfcens/prod/

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- Skill scores from the last 31 days (retaining plots showing skill scores from the last 90 days)

6) CAM verification page

<https://www.emc.ncep.noaa.gov/users/verification/regional/cam/prod/>:

- Skill scores from the last 31 days (retaining plots showing skill scores from the last 90 days) except for firewx verification plots
- Fractional Skill Score plots except width 1

7) Mesoscale verification page

<https://www.emc.ncep.noaa.gov/users/verification/regional/mesoscale/prod/>

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- Skill scores from the last 31 days (retaining plots showing skill scores from the last 90 days)
- Fractional Skill Score plots except widths 1 and 9
- Vertical Profile plots from the last 90 days for Specific Humidity (all regions)
- Vertical Profile plots from the last 90 days for the Full NAM region

8) AQM verification page

https://www.emc.ncep.noaa.gov/users/verification/air_quality/aqm/prod/ :

- Skill scores from the last 31 days for daily air quality metrics (retaining plots showing skill scores from the last 90 days)

Below is a comprehensive list of components and plots scheduled to be added, along with their corresponding data and website locations:

1) Global Chemistry verification page

https://www.emc.ncep.noaa.gov/users/verification/air_quality/global_chem/prod/ :

- Times series of:
 - Forecast mean vs. observation mean for aerosol optical depth and PM2.5 from the last 90 days for forecast hours F024, F048, F072, F096, and F120
 - Root Mean Square Error (RMSE), mean error, and Critical Success Index (CSI) for aerosol optical depth and PM2.5 from the last 90 days for forecast hours every 6 hours through F120
- Forecast hour mean plots of aerosol optical depth and PM2.5 from the last 90 days through F120
- Valid hour mean plots of aerosol optical depth and PM2.5 from the last 90 days at 00, 06, 12, and 18Z valid times
- Threshold mean and performance diagram plots of aerosol optical depth and PM2.5 from the last 90 days for forecast hours every 6 hours through F120

2) GFS verification page

<https://www.emc.ncep.noaa.gov/users/verification/global/gfs/prod/> :

- Times series and forecast hour mean plots of:
 - 10-m wind direction from the last 90 days for forecast hours every 24 hours through F384
 - Significant wave height and 10-m wind speed vs. JASON-3 satellite data from the last 90 days for forecast hours every 24 hours through F384

3) GEFS verification page

<https://www.emc.ncep.noaa.gov/users/verification/global/gefs/prod/> :

- Separated plots into 00Z and 12Z valid hours
- Time series plots of precipitation RMSE and spread, mean error and mean absolute error (MAE), and Brier Skill Score (BSS) from the last 90 days for forecast hours F024, F072, F120, and F240
- Forecast hour mean plots of precipitation RMSE and spread, mean error and MAE, and BSS from the last 90 days for forecast hours through F384

4) Subseasonal verification page

<https://www.emc.ncep.noaa.gov/users/verification/global/subseasonal/prod/> :

- Times series and forecast hour mean plots of 500-hPa geopotential height, 2-m temperature, and precipitation from the last 90 days for forecast lead times every week from Week 1 to Week 5
- Performance diagrams of precipitation for forecast lead times every week from Week 1 to Week 5

5) NFCENS verification page

https://www.emc.ncep.noaa.gov/users/verification/ocean_lake/nfcens/prod/ :

- GEFS and FNMOC skill scores added to all NFCENS plots

6) CAM verification page

<https://www.emc.ncep.noaa.gov/users/verification/regional/cam/prod/> :

- Time series of surface-based CAPE and mixed-layer CAPE from the last 90 days for forecast hours every 6 hours through F060

7) Mesoscale verification page

<https://www.emc.ncep.noaa.gov/users/verification/regional/mesoscale/prod/> :

- Spatial maps of:
 - RAP 24-h precipitation every 6 hours from F027 through F051
 - NAM 24-h precipitation every 6 hours from F024 through F084

8) AQM verification page

https://www.emc.ncep.noaa.gov/users/verification/air_quality/aqm/prod/ :

- Time series and forecast hour mean plots of:
 - Daily max 8h-average ozone and daily-average PM2.5 from the last 90 days for forecast lead times Day 1, Day 2, and Day 3
 - Hourly-averaged ozone, hourly-averaged PM2.5, and hourly-averaged aerosol optical depth from the last 31 days for forecast lead times Day 1, Day 2, and Day 3
- Valid hour mean plots of:
 - Hourly-averaged ozone, hourly-averaged PM2.5, and hourly-averaged aerosol optical depth from the last 31 days for forecast lead times Day 1, Day 2, and Day 3
- Threshold mean plots of:
 - Hourly-averaged aerosol optical depth from the last 31 days for forecast lead times Day 1, Day 2, and Day 3
- Performance diagrams of:
 - Daily max 8h-average ozone and daily-average PM2.5 from the last 90 days for forecast lead times Day 1, Day 2, and Day 3
 - Hourly-averaged aerosol optical depth from the last 31 days for forecast lead times Day 1, Day 2, and Day 3

9) Analyses verification page

<https://www.emc.ncep.noaa.gov/users/verification/analyses/prod/> :

- Time series plots of hourly 2-m temperature, 2-m dewpoint, 10-m wind speed, and 10-m wind gust from the last 31 days

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.

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

Email: emc.products.feedback@noaa.gov

National Service Change Notices are online at:

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

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