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Service Change Notice 25-45
National Weather Service Headquarters Silver Spring MD
440 PM EDT Thu May 29, 2025

To: Subscribers:
 -NOAA Weather Wire Service
 -Emergency Managers Weather Information Network
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From: Marina Timofeyeva, Chief
 Climate Services Branch

Subject: Discontinuation of stratospheric temperature and height products derived from the NESDIS retrieval soundings of the Advanced Microwave Sounding Unit (AMSU) on board the NOAA Polar Orbiting Environmental Satellites (POES) on June 15, 2025.

The National Centers for Environmental Prediction (NCEP) Climate Prediction Center (CPC) will discontinue stratospheric temperature and height products derived from the NESDIS retrieval soundings of the Advanced Microwave Sounding Unit (AMSU) on board the NOAA Polar Orbiting Environmental Satellites (POES) on June 15, 2025. These changes are the result of the discontinuation of data gathering for the POES NOAA-15, -18, -19 on June 16, 2025 at 1800 UTC
(https://www.ospo.noaa.gov/data/messages/2025/04/MSG_20250425_1900.html).

As a result the following products will be discontinued:

(A) The CPC/AMSU Stratospheric Temperature and Height Analyses including:
CPC/AMSU 12Z Analyses
(https://www.cpc.ncep.noaa.gov/products/stratosphere/strat_a_f/#cpct12z)
CPC/AMSU NOAA-15 Temperatures
(https://www.cpc.ncep.noaa.gov/products/stratosphere/strat_a_f/#cpct15)
CPC/AMSU NOAA-15 Heights
(https://www.cpc.ncep.noaa.gov/products/stratosphere/strat_a_f/#cpcz15)
CPC/AMSU NOAA-18 Temperatures
(https://www.cpc.ncep.noaa.gov/products/stratosphere/strat_a_f/#cpct18)
CPC/AMSU NOAA-18 Heights
(https://www.cpc.ncep.noaa.gov/products/stratosphere/strat_a_f/#cpcz18)
CPC/AMSU NOAA-19 Temperatures
(https://www.cpc.ncep.noaa.gov/products/stratosphere/strat_a_f/#cpct19)
CPC/AMSU NOAA-19 Heights
(https://www.cpc.ncep.noaa.gov/products/stratosphere/strat_a_f/#cpcz19)

(B) The CPC Global Temperature Time Series analyses. These graphics are located at:
<https://www.cpc.ncep.noaa.gov/products/stratosphere/temperature/>.

(C) The CPC Stratosphere Troposphere Monitoring products which include zonal mean time series of temperature, zonal wind, geopotential height and the amplitude of the height field s wave 1, wave 2, and wave 3.
<https://www.cpc.ncep.noaa.gov/products/stratosphere/strat-trop/>

Viable alternatives:

(A) The GFS analyses and forecast products are a comparable alternative to the CPC/AMSU Stratospheric Temperature and Height Analyses and are available at:
https://www.cpc.ncep.noaa.gov/products/stratosphere/strat_a_f/#emct

(B) The GFS and GEFS time series analyses and forecast products are a comparable alternative to the CPC Global Temperature Time Series analyses and are available at:
<https://www.cpc.ncep.noaa.gov/products/stratosphere/SSW/>

The changes listed above may impact users that currently utilize graphics from these products and thus code adjustments may be necessary.

For any questions regarding these changes please contact:

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National Service Changes Notices are online at:

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

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