NOUS41 KWBC 291925
PNSWSH

Service Change Notice 26-11
National Weather Service Headquarters Silver Spring MD
225 PM EST Thu Jan 29 2026

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Subject: Upcoming Changes to Storm Prediction Center (SPC) Day 1, 2, and 3 Convective Outlook Forecasts on or about March 2, 2026

On or about March 2, 2026, the Storm Prediction Center (SPC) will implement the following changes to the Severe Weather Outlook products.

1. SPC will begin issuing conditional intensity forecasts of significant severe weather for Days 1, 2, and 3. These new Conditional Intensity Groups (CIG) will include three intensity distributions (CIG1, CIG2, and CIG3) to communicate increasing intensity of significant severe hazards, should severe hazards occur. These new Conditional Intensity Groups will be visible on the SPC Severe Weather Outlook Day 1, 2, and 3 graphics and disseminated through the SPC Outlook PTS products: WUUS01 KWNS PTSDY1, WUUS02 KWNS PTSDY2, WUUS03 KWNS PTSDY3. The Conditional Intensity Groups will be labeled “CIG1”, “CIG2”, and “CIG3” replacing the current “SIGN” label. Additionally, GIS versions of these new forecasts will be available on the SPC website.

2. The existing SPC significant severe hazard grids (i.e., tornado, wind, hail, total severe) will continue to be disseminated. However, additional discrete probability thresholds will be added to the existing 10% threshold, and will now be represented as a sequence of even numbers (i.e., 2%, 4%, etc.).

3. SPC will begin issuing WMO GRIB2 files of Conditional Intensity Groups and unconditional probabilities of significant severe hazards. The new WMO Headers are listed at the end of this announcement.

4. SPC will add 75% and 90% forecast thresholds to the Day 1 and Day 2 probabilistic severe thunderstorm wind forecasts. These new thresholds will be reflected in the SPC Outlook PTS products: WUUS01 KWNS PTSDY1, WUUS02 KWNS PTSDY2, WUUS03 KWNS PTSDY3.

For more information about these changes, including sample forecast products, please visit:

https://www.spc.noaa.gov/exper/conditional-intensity-information

The following new grib2 operational products by WMO header include:

Day 1:
HMNE01 KWNS Discrete Conditional Intensity Group (CIG) Tornado
HMNE02 KWNS Discrete Conditional Intensity Group (CIG) Hail
HMNE03 KWNS Discrete Conditional Intensity Group (CIG) Wind

YSUZ95 KWNS Continuous Unconditional Probability of Tornado EF0+
HMNE05 KWNS Continuous Unconditional Probability of Tornado EF1+
HMNE06 KWNS Continuous Unconditional Probability of Tornado EF2+
HMNE07 KWNS Continuous Unconditional Probability of Tornado EF3+
HMNE08 KWNS Continuous Unconditional Probability of Tornado EF4+
YTUZ95 KWNS Continuous Unconditional Probability of Hail 1.0+
HMNE09 KWNS Continuous Unconditional Probability of Hail 1.5+
HMNE10 KWNS Continuous Unconditional Probability of Hail 2.0+
HMNE11 KWNS Continuous Unconditional Probability of Hail 3.5+
YUUZ95 KWNS Continuous Unconditional Probability of Wind 50 kt+
HMNE12 KWNS Continuous Unconditional Probability of Wind 56 kt+
HMNE13 KWNS Continuous Unconditional Probability of Wind 65 kt+
HMNE14 KWNS Continuous Unconditional Probability of Wind 74 kt+
HMNE15 KWNS Continuous Unconditional Probability of Wind 83 kt+
HMNE16 KWNS Continuous Conditional Intensity Group (CIG) Tornado
HMNE17 KWNS Continuous Conditional Intensity Group (CIG) Hail
HMNE18 KWNS Continuous Conditional Intensity Group (CIG) Wind

Day 2:
HMNI01 KWNS Discrete Conditional Intensity Group (CIG) Tornado
HMNI02 KWNS Discrete Conditional Intensity Group (CIG) Hail
HMNI03 KWNS Discrete Conditional Intensity Group (CIG) Wind

YSUZ96 KWNS Continuous Unconditional Probability of Tornado EF0+
HMNI05 KWNS Continuous Unconditional Probability of Tornado EF1+
HMNI06 KWNS Continuous Unconditional Probability of Tornado EF2+
HMNI07 KWNS Continuous Unconditional Probability of Tornado EF3+
HMNI08 KWNS Continuous Unconditional Probability of Tornado EF4+
YTUZ96 KWNS Continuous Unconditional Probability of Hail 1.0+
HMNI09 KWNS Continuous Unconditional Probability of Hail 1.5+
HMNI10 KWNS Continuous Unconditional Probability of Hail 2.0+
HMNI11 KWNS Continuous Unconditional Probability of Hail 3.5+
YUUZ96 KWNS Continuous Unconditional Probability of Wind 50 kt+
HMNI12 KWNS Continuous Unconditional Probability of Wind 56 kt+
HMNI13 KWNS Continuous Unconditional Probability of Wind 65 kt+
HMNI14 KWNS Continuous Unconditional Probability of Wind 74 kt+
HMNI15 KWNS Continuous Unconditional Probability of Wind 83 kt+
HMNI16 KWNS Continuous Conditional Intensity Group (CIG) Tornado
HMNI17 KWNS Continuous Conditional Intensity Group (CIG) Hail
HMNI18 KWNS Continuous Conditional Intensity Group (CIG) Wind

Day 3:
HMNK19 KWNS Discrete Conditional Intensity Group (CIG) Tot Svr
HMNK20 KWNS Continuous Conditional Intensity Group (CIG) Tot Svr
HMNK21 KWNS Continuous Unconditional Probability Tot Svr
HMNK22 KWNS Continuous Unconditional Probability Tot Sig Svr+

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National Service Change Notices are online at:

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

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