

NOUS41 KWBC 281430  
PNSWSH

Service Change Notice 23-86  
National Weather Service Headquarters Silver Spring MD  
1030 AM EDT Fri Jul 28 2023

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

From:         Judy Ghiradelli  
              NWS Office of Science and Technology Integration  
              Meteorological Development Laboratory

Subject: Removal of AutoNowCaster Products from the Multi-Radar, Multi-Sensor Application: Effective September 6, 2023

Effective on or about September 6, 2023, the AutoNowCaster (ANC) products will be discontinued and removed from the Multi-Radar, Multi-Sensor (MRMS) application. ANC currently provides two products: 1) Convective Likelihood, which indicates regions where new storm initiation and/or the growth/sustainment of advecting storms is more, or less, likely, and 2) Final Forecast, which indicates 60-minute extrapolation of existing storms with reflectivities  $\geq$  35 dBZ (including growth and decay), and areas where new storms are likely to initiate, with three levels of new storm initiation.

Comments/feedback on this proposed removal were previously solicited publicly from February 17, 2023 through March 19, 2023 via this Public Information Statement:

[https://www.weather.gov/media/notification/pdf 2023 24/pns23-11\\_anc\\_termination.pdf](https://www.weather.gov/media/notification/pdf%2023%2024/pns23-11_anc_termination.pdf)

and yielded no objections to the discontinuation of the ANC products.

ANC was incorporated into MRMS in the mid-2000s and is no longer being actively supported or upgraded. In addition, increasingly, similar types of information are now being provided by other models, such as the High Resolution Rapid Refresh (HRRR) model and the Localized Aviation Model Output Statistics (MOS) Program (LAMP) forecast guidance. For more information on these alternative systems, please refer to following sources:

HRRR: <https://rapidrefresh.noaa.gov/>  
LAMP: <https://vlab.noaa.gov/web/mdl/lamp> (for LAMP guidance for convection and lightning, please refer to:  
<https://www.nws.noaa.gov/mdl/gfslamp/cnvtlg.php>)

On the effective date, the ANC data will be removed from the following locations:

A. On the NCEP Local Data Manager (LDM):

Convective Likelihood products:

/nfsdata/realtime/outgoing/grib2/ANC/MRMS\_ANC\_ConvectiveLikelihood\_00.00\_Y  
Y YYYYMMDD-HHMM00.grib2.gz

Final Forecast products:

/nfsdata/realtime/outgoing/grib2/ANC/MRMS\_ANC\_FinalForecast\_00.00\_YYYYMMDD  
D -HHMM00.grib2.gz

where YYYY is the 4 digit year, MM is the 2-digit month, DD is the 2-digit day, HH is the 2-digit hour, and MM is the 2-digit minutes.

B. On NCEP Web Services:

Convective Likelihood products:

[https://mrms.ncep.noaa.gov/data/2D/ANC/MRMS\\_ANC\\_ConvectiveLikelihood/](https://mrms.ncep.noaa.gov/data/2D/ANC/MRMS_ANC_ConvectiveLikelihood/)

with filenames:

MRMS\_ANC\_ConvectiveLikelihood.latest.grib2.gz  
MRMS\_ANC\_ConvectiveLikelihood\_00.00\_YYYYMMDD-HHMM00.grib2.gz

Final Forecast products:

[https://mrms.ncep.noaa.gov/data/2D/ANC/MRMS\\_ANC\\_FinalForecast/](https://mrms.ncep.noaa.gov/data/2D/ANC/MRMS_ANC_FinalForecast/)

with filenames:

MRMS\_ANC\_FinalForecast.latest.grib2.gz  
MRMS\_ANC\_FinalForecast\_00.00\_YYYYMMDD-HHMM00.grib2.gz

C. On the MRMS Operational Product Viewer:

[https://mrms.nssl.noaa.gov/qvs/product\\_viewer/](https://mrms.nssl.noaa.gov/qvs/product_viewer/) under the Product Type: AutoNowCaster

If you have any questions, please contact:

Judy Ghirardelli  
Meteorological Development Laboratory  
Decision Support Division Chief  
DOC/NOAA/National Weather Service  
Silver Spring, MD  
Email: [judy.ghirardelli@noaa.gov](mailto:judy.ghirardelli@noaa.gov)

and/or

Wendy Sellers  
OSTI Research to Operations (R2O) Transition Manager  
Office of Science & Technology Integration (OSTI)  
DOC/NOAA/National Weather Service  
Silver Spring, MD  
Email: [wendy.sellers@noaa.gov](mailto:wendy.sellers@noaa.gov)

and/or

Joshua Huber  
NCEP/NCO Implementation and Data Services Branch  
College Park, MD  
[idp-support@noaa.gov](mailto:idp-support@noaa.gov)

National Service Change Notices are online at:

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

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