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PNSWSH

Service Change Notice 22-89
National Weather Service Headquarters Silver Spring MD
250 PM EDT Tue Sep 13 2022

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

From: Jason Levit
           Chief, Verification, Post-Processing and Product Generation
           Branch, Environmental Modeling Center
           National Centers for Environmental Prediction

Subject: Update to High-Resolution Ensemble Forecast (HREF): Effective
September 13, 2022

Effective on or about September 13, 2022, beginning with the 1200
Coordinated Universal Time (UTC) run, the National Centers for
Environmental Prediction (NCEP) will upgrade the HREF system to correct an
issue with the mean sea level pressure (MSLP) field. In the event that
the implementation date is declared a Critical Weather Day (CWD) or
significant weather is occurring or is anticipated to occur,
implementation of this change will occur at 1200 UTC on the next weekday
not declared a CWD and when no significant weather is occurring.

HREF output product change

A correction is made to how the HRRR member is processed for input into
the HREF system. The MSLP field from the HRRR now will be included in the
HREF mean and spread MSLP products with this change; previously the HRRR
members were not being included in the calculations of these HREF MSLP
products.

These changes will be present in the files noted below on both the NOAA
Operational Model Archive and Distribution System (NOMADS) and ftpprd web
services:

https://nomads.ncep.noaa.gov/pub/data/nccf/com/href/prod/
ftp://ftpprd.ncep.noaa.gov/data/nccf/com/href/prod

NOTE: The ftpprd link only works for FTP-enabled web browsers.

As the HRRR only provides members for the contiguous U.S. (CONUS) and
Alaska domains, these are the only products impacted by the change.

href.tCCz.ak.mean.fFF.grib2 href.tCCz.ak.sprd.fFF.grib2
href.tCCz.conus.mean.fFF.grib2 href.tCCz.conus.sprd.fFF.grib2

This update will also change answers for Satellite Broadcast Network

(SBN)/NOAAPort output for the CONUS and Alaska domains for the "mean"
output files.

NCEP urges all users to ensure their decoders can handle changes in
content order, changes in the scaling factor component within the product
definition section (PDS) of the gridded binary (GRIB) files, and volume
changes. These elements may change with future NCEP model
implementations. NCEP will make every attempt to alert users to these
changes before implementation.

Any questions, comments or requests regarding this implementation should
be directed to the contacts below. We will review any feedback and decide
whether to proceed.

For questions regarding model products, please contact:

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For questions regarding the model, please contact:

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For questions regarding the data flow aspects, please contact:

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National Service Change Notices are online at:

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

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