

NOUS41 KWBC DDHHMM
PNSWSH

Technical Implementation Notice 12-33
National Weather Service Headquarters Washington DC
815 AM EDT Mon Jul 2 2012

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

From: Timothy McClung
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Office of Science and Technology

Subject: Impact on Downstream Jobs When Cycle of Short Range
Ensemble Forecast System is Missing:
Effective August 1 2012

On or about Tuesday, August 1, 2012, beginning with the 1500 Coordinated Universal Time (UTC) run, the National Centers for Environmental Prediction's (NCEP) Short Range Ensemble Forecast System (SREF) will be updated. See NWS TIN 12-30 for specific details about this SREF upgrade.

<http://www.nws.noaa.gov/os/notification/tin12-30sref.htm>

Due to the current high resource usage on the supercomputers run by NCEP, this updated SREF system can only be run in its defined time window. In the event that the NCEP production suite is delayed for any reason, the SREF may not be run for a given cycle, so as to preserve the timeliness of other NCEP models. In this situation, no SREF output products will be disseminated, and that cycle will not be rerun at a later time. The SREF will remain in this configuration until the upgrade to the next supercomputers in late 2013. We apologize for any inconvenience this causes our users.

Listed below are impacts related to missing a SREF cycle, including effects to downstream products that use SREF input:

1. Dissemination: No SREF products for that cycle will be disseminated. This list includes NOAAPORT, the NWS and NCEP FTP servers, the Model Analysis and Guidance (MAG) Webpage <http://mag.ncep.noaa.gov>

and the Real-Time NOAA Operational Model Archive and Distribution System (NOMADS) <http://nomads.ncep.noaa.gov>).

2. MDL's Gridded LAMP: When SREF data are missing for a particular cycle, it will automatically use a previous cycle's SREF data as input.

3. DNG-NAM smartinit: When SREF data are missing for a NAM DNG cycle, the DNG codes will use the Global Ensemble Forecast System (GEFS) to generate the probability of precipitation fields.

4. HREF: When SREF data are missing for a cycle, it will be treated as a 2-member (hiresw NMM and ARW) ensemble.

5. SPC-SREF: If a SREF cycle is missing, Storm Prediction Center (SPC) post-processing does not activate and SREF-based grids and products are not updated until the next available SREF cycle. This would also impact the SPC SREF Web page which lists the latest cycle time from which output is available:

<http://www.spc.noaa.gov/exper/sref/index.php>,

6. AWC-ECFP: If a SREF cycle is missing, Aviation Weather Center (AWC) post-processing does not activate and the Extended Convective Forecast Product (ECFP) will not update until the next available SREF cycle. The ECFP web page shows the last SREF cycle used in the production of the ECFP.

<http://www.aviationweather.gov/products/ecfp/>

For questions regarding the scientific content of the modeling system please contact:

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National technical Implementation Notices are online at:

<http://www.nws.noaa.gov/om/notif.htm>

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