

NOUS41 KWBC DDHHMM AAA
PNSWSH

Technical Implementation Notice 12-33 Amended
National Weather Service Headquarters Washington DC
1110 AN EDT Tue Jul 31 2012

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

From: Timothy McClung
Chief, Science Plans Branch
Office of Science and Technology

Subject: Amended Date: Impact on Downstream Jobs When a Cycle
of Short Range Ensemble Forecast System Is Missing
Effective August 21, 2012

Amended to reschedule the implementation to Tuesday, August 21, 2012,
to allow for additional testing of the upgrade to the Short Range
Ensemble Forecast System (NWS TIN 12-30).

On or about Tuesday, August 21, 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.

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 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.

Listed below are the impacts to customers of missing a SREF cycle,
including effects to downstream products that use the SREF as input:

1. Dissemination: No SREF products for that cycle will be
disseminated. This 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 available at:

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

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

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National NWS Technical Implementation Notices are online at:

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

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