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PNSWSH

Technical Implementation Notice 12-33 Amended
National Weather Service Headquarters Washington DC
1110 AM 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: 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 Technical Implementation Notice (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:

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

MDL's Gridded Local Area Model Output Statistics (MOS) Program (LAMP): When SREF data are missing for a particular cycle, it will automatically use a previous cycle's SREF data as input.

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

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

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 webpage which lists the latest cycle time from which output is available:

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

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:

Geoff Dimego
NCEP/EMC
Camp Springs, MD
Phone: 301-763-8000, x 7221
geoff.dimego@noaa.gov

or

Jun Du
NCEP/EMC
Camp Springs, MD
Phone: 301-763-8000, x 7593
jun.du@noaa.gov

For questions regarding the dataflow aspects of these data sets, please contact:

NCEP/NCO Dataflow Team
Camp Springs, MD
Phone: 301-763-8000, x 7198
Email: ncep.list.pmb-dataflow@noaa.gov

National Technical Implementation Notices are online at:

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

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