

November 25, 2015

MEMORANDUM FOR: Distribution Email

FROM: Christine Caruso Magee
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SUBJECT: Scheduled Operational Changes and Upgrades for
CPC, OPC, and WPC

The following accelerated items were implemented this past week:

RFC #508 - Added to IDP processing an alternate method of producing Altika and Cryosat ASCII files of significant wave height and wind speed suitable for display using NMAP2 by decoding operational BUFR files of Altika and Cryosat data into ASCII. Also, deactivated the currently scheduled cron scripts producing the non-operational data. Note, the non-operational feed failed on 11/20. Implemented on November 24 at 1930Z. (OPC)

The following will be implemented the week of November 30, 2015:

RFC #509 - Update gempak grib2 translation tables used in 'make_opc_sref_ens.pl' to account for changes to the SREF's product definition template number. To be implemented on November 30 at 1230Z. (OPC)

RFC #510 - Update 'send_to_TOC.pl' processing and associated utilities to test the FTPS connections to the TOC's new operational IDP server. This change will test connections in parallel. To be implemented on November 30 at 1430Z. (OPC)

RFC #511 – Update web page
<http://www.cpc.ncep.noaa.gov/products/wesley/wgrib2/index.html> with more current information. Correct grammar; update links. To be implemented on November 30 at 1500Z. (CPC)

RFC #512 - Move the Probabilistic Winter Precipitation Forecast (PWPF) Day 4-7 page from the password-protected winter weather directory on the rzdm into a public space. This product is officially going experimental December 1. This will involve minor changes to a few scripts to copy files to new directories, as well as

minor changes to WPC's winter weather web page and an announcement of the new product. To be implemented on December 1 at 1400Z. (WPC)

RFC #513 - OPC's process to send forecasters popup notifications has been changed to remove all ssh connections. This will improve the reliability of the process as well as reduce the number of ssh connections into NCOSRV by 200-300 per day. To be implemented on December 1 at 1500Z. (OPC)

RFC #514 - Add 0.5 deg GEFS to NAWIPS tables. Remove 1 deg GEFS from the ENSEMBLE list. Also repair the ETSS conus name and remove non-working SREF 925mb entry in 'model_group.tbl' for the ENSEMBLE part of nmap2. These changes must be done after the GEFS implementation. To be implemented on December 2 at 1715Z. (OPC)

The following CPC OPC WPC RFC(s) are in progress:

RFC #502 – Implement the WPC WWD QPF Collaborative Tool for internal collaboration. Scripts will be tested and implemented to generate preliminary snow/ice forecast for Day 1,2 and 3, then disaggregate and convert into 6 hr liquid QPF. The resultant 6 hr files will be available in NMAP so forecasters on the Winter Weather Desk (WWD) can collaborate with WPC QPF forecasters to make a consensus QPF. Implementation began on November 16 at 1500Z and should be completed on December 1. (WPC)

The following NCO RFCs to be implemented the week of November 30, 2015 may affect CPC, OPC, and/or WPC:

RFC #1520 – HREF v1.1.0 - Add the generation of NAWIPS/GEMPAK products to the HREF. Also fix a bug in the time labeling of accumulated precipitation for non-00Z cycles. Dataflow will modify DBNet tables to disseminate these products as requested by WPC. To be implemented on November 30 at 1200Z.

RFC #1522 – MRMS v10.5.1 - Update MRMS to version 10.5.1, to begin production of the RIDGE2 (Radar Integrated Display with Geospatial Elements version 2) products operationally. Implementation to begin on November 30 at 1300Z and should be completed by December 28.

RFC #1370 – GEFS v11.0.3 – Major GEFS upgrade. See the TIN at: <http://www.nws.noaa.gov/os/notification/tin15-43gefsaad.htm> for specifics. Implementation is scheduled for December 2 at 1200Z.

RFC #1527 - obsproc_satingest v3.0.0 – Upgrade the obsproc_satingest processing to v3.0.0 to add "BURNED_AREA", "BURNING_EMISSIONS" and "SAT_COMP_MOSAIC_IMGRY" on /dcom on for burned area product, blended global biomass burning emissions product and global geostationary satellite composite mosaic imagery, resp. from NESDIS servers. (JIAEROSOL); update the family "NAVY_AVHRR" to pick up NAVOCEANO sst retrievals via new route (JIPOES_SST); other improvements and bug fixes. To be implemented on December 1 at 1200Z.

The following NCO RFC(s) are in progress and may affect the local Centers:

RFC #1435 – GPFS v4.1 (on Tide) - Enhance the existing WCOSS - Tide phase-1 and phase-2 storage solution by adding metadata-only GPFS NSD servers and changing the existing data-and-metadata NSD to data-only servers. Existing data will be "restriped" to separate the data and metadata. Implementation began on November 4 at 1200Z and should be completed by December 20. NCO/IDSB will send notification to users via the WCOSS-announce mailing list should planned work be impactful to users

The following NCO RFC(s), which may affect the local Centers, was approved with an implementation date TBD:

RFC #1357 – RTOFS global v1.1.0 – Major upgrade of the Global RTOFS model. See the TIN at: <http://www.nws.noaa.gov/os/notification/tin15-36global-rtofsaaa.htm> for details. This was advertised as having an October 6 implementation date but this implementation is being postponed due to a delay in the Navy's HYCOM model upgrade. Once the HYCOM upgrade is implemented, the Global RTOFS will be scheduled for implementation. Notification will be given in advance so users may prepare for any changes which may affect them. This upgrade of the Global RTOFS was approved by the NCEP Director.

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

1. The CPC/OPC/WPC Configuration Management documents are available at <https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/>.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.