

May 27, 2016

MEMORANDUM FOR: Distribution Email

FROM: Christine Caruso Magee
Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for
CPC, OPC, and WPC

Climate Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of May 30, 2016:

None

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of May 30, 2016 may affect CPC:

RFC #1977 – prod_envir v1.0.0 - NCO has provided a prod_envir module on the Cray XC40 systems to facilitate access to production model data. The prod_envir module will also be made available on the Phase 1 and 2 systems, at developers' request. To be implemented on May 31 at 1330Z.

The following NCO RFCs are in progress and may affect CPC:

RFC #1864 – WCOSS – Work is being done on the Crays to add 2 new service blades containing 2 nodes each for DVS/GPFS services. This work should be completed by June 7.

Ocean Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of May 30, 2016:

RFC #661 - estofs_image_surge.csh v2016.05.31 - Modify ESTOFS storm surge web image creation scripts to include 97 to 180 hour forecasts for all regions. Gulf of Mexico regions were missing forecast hours > 96. To be implemented on May 31 at 1400Z.

RFC #662 - imgtyp.tbl, mod_res.tbl, datatype.tbl, ash.tbl, enhance.tbl, grid_cat.tbl, qpe_15min, qpe_[1,3,6,12]hr, qpe_[1,3,7]day v16.05.31 - NAWIPS tables are being updated for additional Satellite Proving Ground products for OPC, WPC, and SAB. The changes will add new AVHRR and MODIS RGB imagery for the MODIS_VIIRS Alaska domain, a Himawari Volcanic Ash enhancement, and gridded QPE/Rain Rate displays. To be implemented on May 31 at 1400Z.

RFC #663 - Vpara_DoublingTimes_LI.csh v2016.05.31 - Include cropping commands to remove excess white space in images for Vibrio Long Island Sound web pages to improve the appearance of image loops on web and mobile devices. To be implemented on May 31 at 1500Z.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of May 30, 2016 may affect OPC:

RFC #1975 - Deploy the GMDSS (Global Maritime Distress and Safety System) Operator Interface (web application) to the production Tomcat servers. To be implemented on May 31 at 1300Z.

RFC #1977 – prod_envir v1.0.0 - NCO has provided a prod_envir module on the Cray XC40 systems to facilitate access to production model data. The prod_envir module will also be made available on the Phase 1 and 2 systems, at developers' request. To be implemented on May 31 at 1330Z.

The following NCO RFCs are in progress and may affect OPC:

RFC #1864 – WCOSS – Work is being done on the Crays to add 2 new service blades containing 2 nodes each for DVS/GPFS services. This work should be completed by June 7.

The following NCO RFCs, which may affect OPC, were 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. The Navy hopes to upgrade HYCOM in FY16Q3. 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.

Weather Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of May 30, 2016:

RFC #664 - masterblender.tcl v8.0 - This change allows the user to select different increments for blending models. The previous increment was only 10 percent. This change allows for 5, 10, or 25 percent. To be implemented on June 1 at 1200Z.

RFC #665 - Add 14 scripts to the compute farm cron. These involve forecaster tools and ensemble verification sometimes used in operations, some of which will be made available on the public WPC page. To be implemented on June 2 at 1800Z.

The following RFCs are in progress:

RFC #649 - EMC is making a beta version of the GEFS which contains bias corrected QPF and PQPF. EMC is also making this data available downscaled to 5km. WPC will pipe the grib2 data (QPF and PQPF only) to the Compute Farm, where it will be de-gribbed and made available in NMAP2 for the FFaiR and WPC forecasters for testing. Implementation began May 12 at 1600Z and was to be completed by May 26.

The following NCO RFCs to be implemented the week of May 30, 2016 may affect WPC:

None

The following NCO RFCs are in progress and may affect WPC:

None

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.

2. Users who wish to view their network utilization via the Scrutinizer appliance may request access from NCO/IWSB. Please send an account request to the NCWCP Helpdesk at NCWCP.helpdesk@noaa.gov.