

November 13, 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 #497 - Alaska Region is no longer providing weather support for BOEM (Bureau of Ocean Energy Management). Therefore, production of the 72-hour Pacific Arctic surface chart forecast is no longer needed. This RFC effectively undoes the original RFC #368. Implemented on November 12 at 1845Z. (OPC)

The following will be implemented the week of November 13, 2015:

RFC #492 – Metwatch GUI – Implement changes to WPC’s MPD (Mesoscale Precipitation Discussion) GUI to allow inclusion of satellite imagery in WPC MPDs for CONUS West Coast Atmospheric River events. To be implemented on November 16 at 1200Z. (WPC)

RFC #498 - Update OPC’s monitoring script that checks for WOC mirrors being out of sync with each other. Improved logging helps troubleshooting. Some code cleanup was also done. To be implemented on November 16 at 1230Z. (OPC)

RFC #499 - Script ‘daily_cf_cron_report.pl’ was used to troubleshoot an old Compute Farm problem that has been resolved for many months now. Comment out the ‘daily_cf_cron_report.pl’ entry from ‘crontab_compute_farm.dat and ‘crontab.etc’. Move ‘daily_cf_cron_report.pl’ to the “old” subdirectory. To be implemented on November 16 at 1230Z. (OPC)

RFC #500 - The SDM no longer requires formal outage reports every morning. Remove the cron on atlreg accounts that was prompting the forecaster to write the report or send a null report every morning. To be implemented on November 16 at 1245Z. (OPC)

RFC #501 – For the product deadline reminder script, fixed an issue where popup messages for two different products were writing to the same file by making the file names more unique. Also fixed a misspelling in one of the popup messages. To be implemented on November 16 at 1430Z. (OPC)

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 to begin on November 16 at 1500Z and be completed on December 1. (WPC)

RFC #503 – Modify the LRF Multi-panel Page2 to add further documentation, version number, set to use `status` flag, correct a minor typo, and set to remove previous versions of revision graphic from local directory. To be implemented on November 17 at 1200Z. (CPC)

RFC #504 - For CPC International region forecasts, modify cron entries to automatically account for Daylight Savings Time. To be implemented on November 16 at 1200Z. (CPC)

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

None

The following NCO RFCs to be implemented the week of November 16, 2015 may affect CPC, OPC, and/or WPC:

RFC #1471 - Modify the DBNet and LDM tables on NCOSRV to begin routing the Cryosat BUFR ENVISAT wind/wave data for OPC. Data Management will also make a change to begin routing this data to line 291. To be implemented on November 16 at 1300Z.

RFC #1476 - Begin disseminating the NWPS (Nearshore Wave Prediction System) parallel model to NOMADS and TNCF. This is in support of the upcoming 30-day evaluation. The IDSB-SS Data Management team will also perform work on the NWSTG switching directory to route new WMO headers to the TNCF. To be implemented on November 17 at 1200Z.

RFC #1482 – EnKF v2.0.3 – Implement an update to turn off dissipative heating in the EnKF forecast. To be implemented on November 17 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 4. NCO/IDSB will send notification to users via the WCOSS-announce mailing list should planned work be impactful to users

RFC #1448 – Old (non-production) versions of source code in /nwprod and /nwprod2 on WCOSS will be removed. This is being done to free up disk space on WCOSS. Implementation began on November 9 at 1200Z and should be completed the week of November 16.

RFC #1458 – WCOSS Dataflow v1.73.0 – NCO's SPA and Dataflow teams will make changes to WCOSS in preparation for CPC making a file name change to their RCDAS data. The changes were implemented in parallel on November 10 at 1300Z and will run 1 week in parallel before moving permanently on November 17.

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.

The following NCO RFC(s), which may affect the local Centers, are on hold:

RFC #1370 – GEFS v11.0.3 – Major GEFS upgrade. See the TIN at: <http://www.nws.noaa.gov/os/notification/tin15-43gefsaab.htm> for specifics. This was scheduled for an October 14 implementation and was conditionally approved at the October 8 NCO CCB, but it was not approved by the NCEP Director at the October 9 briefing. The NCEP Director was rebriefed on November 12 and approved this implementation moving forward. An implementation date for the GEFS should be determined the week of November 16 and implementation should occur in early-mid December.

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.