

April 10, 2015

MEMORANDUM FOR: Distribution Email

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

The following accelerated items were implemented last week:

RFC #256 – Add cleanup of NCOM Alaska files being delivered to the OPC ftp site. Implemented on April 8 at 1800Z. (OPC)

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

RFC #257 – Update the Compute Farm find\_large\_log\_files.pl script to check logs on the Compute Farm itself, in addition to the operational NAWIPS machines. GEMPAK will occasionally spiral out of control and create a log file that fills an entire disk partition. To be implemented on April 13 at 1130Z. (OPC)

RFC #258 – Modify the fill interval and color scale of the 6- and 24-hour percentile accumulation PQPF gif images to match the scale of the WPC QPF. To be implemented on April 13 at 1200Z. (WPC)

RFC #259 – Add total cloud cover from the upgraded RTMA to NMAP. To be implemented on April 13 at 1200Z. (WPC)

RFC #260 - Install a Compute Farm cron script to degrib parallel GEFSp members and create a GEFSp ensemble mean. The resultant ensemble mean and GEFSp members will be available for WPC forecasters to evaluate prior to the official GEFSp evaluation period. To be implemented on April 13 at 1600Z. (WPC)

RFC #261 – Modify the Compute Farm ftp process to add Global Precipitation Monitoring to the mirror to CPRZDM. To be implemented on April 14 at 1100Z. (CPC)

RFC #262 – Forecast webpage modification: automate label changes on the page to occur on the following dates: April 1: Heat Index; October 1: Wind Chill Index. To be implemented on April 14 at 1130Z. (CPC)

RFC #263 – In preparation for the RTMA/URMA upgrade, remove the local adjustments that were in place to alleviate many of the problems with the previous version of the RTMA. To be implemented on April 14 at 1200Z. (WPC)

RFC #264 – Add a new web page to allow users to zoom, pan, and navigate the large (4000 x 3000 pixels) WPC North American surface analysis. Links will be added to it from WPC's surface analysis and surface archive page. To be implemented on April 15 at 2000Z. (WPC)

The following NCO RFC(s) will be implemented the week of April 13, 2015 and directly affect the local Centers:

RFC #814 – MRMS – Add Precipitation Rate and WarmRain Probability to the list of MRMS products to be written out to the NCWCP NetApp. To be implemented on April 13 at 1400Z

RFC #819 – seaice\_concentration v4.1.5 – Add a new seaice\_concentration\_filter job which will run before the seaice concentration analysis, to remove bogus ice points from the analysis and thus prevent the downstream wave model jobs from producing bad guidance. To be implemented on April 14 at 1100Z.

RFC #820 – RTMA/URMA v2.3.1 – Upgrade the RTMA/URMA analyses. This upgrade includes a HRRR/NAM Nest blend for the first guess, addition of the analysis of total cloud amount for RTMA CONUS and URMA, extends the look-back period for URMA precipitation to 7 days, and adds RTMA 'ascatw' dump and prepbufr files. To be implemented on April 14 at 1200Z.

RFC #821 – Add /common/data/model mount points to the OPC compute farm, ldm, ml, and ops boxes. To be implemented on April 14 at 1200Z.

RFC #823 – Add /common/data/model mount points to the WPC compute farm and Hydrometeorological Testbed (HMT) compute farm. To be implemented on April 14 at 1200Z.

RFC #827 – NWSChat v4849 – Update the NWSBot ingest code to handle tornadoes with the CONSIDERABLE tag. To be implemented on April 14 at 1500Z.

RFC #826 – QGIS v2.8 – Install QGIS on 5 CPC machines, to provide GIS training to trainees at the CPC International Desk. To be implemented on April 17 at 1300Z.

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

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---- 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.