

December 15, 2016

MEMORANDUM FOR: Distribution Email

FROM: Chris 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

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The following will be implemented the week of December 19, 2016:

None

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The following RFCs are in progress:

None

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The following NCO RFCs to be implemented the week of December 19, 2016 may affect CPC:

RFC #2678 – Install the GNU Nano v2.7.1 text editor on the Crays per developer request. To be implemented on December 19 at 1600Z.

RFC #2679 - IBM installed python 2.7 in the /usrx/local/dev area a few months ago. It is ready to be moved to /usrx/local/prod as it will be used by the NCEP Production Job Suite. IBM will install the same software in the production area. To be implemented on December 21 at 1500Z.

RFC #2694 - Upgrading two CPC workstations from Red Hat 5 to Red Hat 6 since Red Hat 5 is near end of life. CPC's fcst1 workstation will be upgraded on December 21 at 2100Z. The fcst2 workstation will be upgraded on December 27 at 2100Z.

RFC #2698 – Add NCO-provided packages (NetCDF, Perl NetCDF, and Perl Date::Calc) to system CPCCF6. This change supports migration of a model from cpcwork2. To be implemented on December 21 at 2000Z

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

None

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**Ocean Prediction Center**

The following accelerated items were implemented this past week:

RFC #807 – Turned gfs\_exp on in NMAP2 for evaluation as GFSp. Implemented on December 13 at 1600Z.

RFC #810 – Changed the Compute Farm disk space usage notification threshold from 90% to 92% to stop text messages from continuously going to OAB staff. Added a variable to the change notification threshold for forecaster popup notifications so they can also be temporarily disabled. Implemented on December 15 at 1315Z.

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The following will be implemented the week of December 19, 2016:

RFC #808 – 'ncom\_web\_hires.csh' v2016.12.19 - Replace shtml loops for NCOM Gulf Stream images and remove sends to web page for old java loops. The shtml loops for the Gulf Stream had been inadvertently deleted in a recent web update, so they are being restored. To be implemented on December 19 at 1330Z.

RFC #809 – 'get\_sentinel\_data.pl' v16.12.19 - Modify the script that downloads Sentinel-3a altimeter data to improve error reporting and to only extract the required file from the downloaded tar archive. To be implemented on December 19 at 1400Z.

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The following RFCs are in progress:

None

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The following NCO RFCs to be implemented the week of December 19, 2016 may affect OPC:

RFC #2682 – NWSChat goes live in College Park, effective December 19 at 1600Z.

RFC #2685 - The DBNet software on NCOSRV is being modified to begin pulling Cooperative Institute for Meteorological Satellite Studies (CIMMS) Cloud Wind data from NHC and write it to the NetApp for use by OPC. To be implemented on December 20 at 1400Z.

RFC #2692 – Update NWS SPOT to handle the International Date Line properly. Some merchant ships are using SPOT and noticed the error with the Date Line. To be implemented on December 20 at 1700Z.

RFC #2695 – HFFAX goes live in College Park effective December 21 at 1500Z. It will be turned off in Silver Spring at the same time.

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

RFC #2588 - Upgrade Red Hat v5 operational workstations to Red Hat v6 due to the end of life approaching for Red Hat v5. This is an ongoing project with one to two upgrades per week. Upgrades began on November 28 and should be completed by February 28, 2017. No OPC workstations are scheduled for this week.

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**Weather Prediction Center**

The following accelerated items were implemented this past week:

None

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The following will be implemented the week of December 19, 2016:

None

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The following RFCs are in progress:

None

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The following NCO RFCs to be implemented the week of December 19, 2016 may affect WPC:

RFC #2682 – NWSChat goes live in College Park, effective December 19 at 1600Z.

RFC #2688 - Modify the dbnet cleanlist on NCOSRV to keep more satellite imagery for N-AWIPS. This is at the request of WPC to better support their operations. To be implemented on December 20 at 1500Z.

RFC #2690 - Modify DBNet on NCOSRV to retrieve GEMPAK grids of the Galvez-Davison stability index, which are produced at Weather Prediction Center using 1-degree GFS. These grids will then be alerted to Aviation Weather Center for them to pull from NCO. NCO will also store this data on disk. To be implemented on December 20 at 1530Z.

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

RFC #2588 - Upgrade Red Hat v5 operational workstations to Red Hat v6 due to the end of life approaching for Red Hat v5. This is an ongoing project with one to two upgrades per week. Upgrades began on November 28 and should be completed by February 28, 2017. WPC's qpf2 workstation is scheduled to be upgraded on January 10 and the wwd workstation is scheduled to be upgraded on January 12.

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

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---- OPERATIONAL ANNOUNCEMENTS ----

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.

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](mailto:NCWCP.helpdesk@noaa.gov).