

October 14, 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

The following will be implemented the week of October 17, 2016:

RFC #738 – GlobalPrecipitationSummary v1.0.1 - A 14-day accumulation climatology was requested for a CPC project. This change adds scripts to the GlobalPrecipitationSummary application that can create the climatology, copies the climatology to the central data storage, and updates the GrADS ctl files available in the application to include the new climatologies. Was to be implemented on October 6 at 1300Z; postponed to October 13 at 1300Z due to CWD; postponed again to October 20 at 1300Z due to CWD and personnel availability.

RFC #747 - model-data-retrieval v2.4.3 - Change all exit statements in the Perl driver script to return the correct exit status codes (1 for error, 0 for no error). This makes it easier to deal with errors externally, since it'll be clearer now when an error occurs, because the exit status will be 1 instead of 0. To be implemented on October 17 at 1400Z.

RFC #748 – calc-data-stats v1.0 – Move to separate cron jobs for each variable/lead, instead of them all being run by a single script. Some data is in by different times, so the cron jobs should be separate so that they can be executed at different times. To be implemented on October 17 at 1430Z.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of October 17, 2016 may affect CPC:

RFC #2443 – Shut down the Telecommunications Gateway systems in Silver Spring, in preparation for the move to Boulder. To be implemented on October 17 at 1200Z.

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

None

Ocean Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of October 17, 2016:

RFC #757 - Update script 'send_to_TOC.pl' to stop sending to TOC Silver Spring and to incorporate the ftps send to TOC NCWCP. The 'send_to_TOC_ftps.pl' utility is being retired. This update does not start a dual push to Boulder; another RFC will add that later. To be implemented on October 17 at 1200Z.

RFC #758 – get_facebook_rss.pl v2016.10.17 - Remove hashtags (#) from the Top News headlines to improve legibility. To be implemented on October 17 at 1230Z.

RFC #759 - NAWIPS tables are being updated for additional Satellite Proving Ground products for OPC, WPC, and SAB. The changes will add new MODIS imagery for the MODIS Alaska, CONUS, and NATL domains. Add new IASI and NUCAPS ozone and tropopause level products. Add new pqact entries to combine the CONUS MODIS, VIIRS, and AVHRR products. Add the SWIR imagery for the GOES-14 SRSOR data collection in August 2016. A new NASA satellite soil moisture product is being added and requires changes to the datatype, mod_res, and grid_cat tables. The addition of the soil moisture and new

MODIS/AVHRR/VIIRS imagery requires changes to both LDMs, one for the NetAPP (opclm1) and the other for the satellite archive (opclm2). To be implemented on October 17 at 1400Z.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of October 17, 2016 may affect OPC:

RFC #2443 – Shut down the Telecommunications Gateway systems in Silver Spring, in preparation for the move to Boulder. To be implemented on October 17 at 1200Z.

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

None

Weather Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of October 17, 2016:

RFC #759 - NAWIPS tables are being updated for additional Satellite Proving Ground products for OPC, WPC, and SAB. The changes will add new MODIS imagery for the MODIS Alaska, CONUS, and NATL domains. Add new IASI and NUCAPS ozone and tropopause level products. Add new pqact entries to combine the CONUS MODIS, VIIRS, and AVHRR products. Add the SWIR imagery for the GOES-14 SRSOR data collection in August 2016. A new NASA satellite soil moisture product is being added and requires changes to the datatype, mod_res, and grid_cat tables. The addition of the soil moisture and new MODIS/AVHRR/VIIRS imagery requires changes to both LDMs, one for the

NetAPP (opclm1) and the other for the satellite archive (opclm2). To be implemented on October 17 at 1400Z.

RFC #760 – Implement changes to 'datatype.tbl' and 'mod_res.tbl' that take the soil moisture fields that were added several weeks ago and create a new grid that shows differences or increases in the soil moisture/saturation. This will be displayed in NMAP for forecasters' use. To be implemented on October 17 at 1300Z.

The following RFCs are in progress:

RFC #756 - WPC Winter Weather Desk Scripts v2016.10.10 – Implement a few updates to the winter weather scripts: Bug Fixes: add cleanup logic to the GRIB2 generation scripts to ensure only the 8 most recent cycles are kept on the ftp site. Fix an issue with the ftp GRIB2 status file not updating correctly. Status file was showing the "final" grids as "pre-collaboration". Enhancements: add ice-to-liquid ratio (ILR) parameter to the GEMPAK grids generated by the winter weather blender. To be implemented on October 11 at 1400Z and should be completed by October 14.

The following NCO RFCs to be implemented the week of October 17, 2016 may affect WPC:

RFC #2443 – Shut down the Telecommunications Gateway systems in Silver Spring, in preparation for the move to Boulder. To be implemented on October 17 at 1200Z.

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 ----

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.