

June 10, 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 June 13, 2016:

RFC #675 – mpp-driver v1.3 – For the Extended Range Forecast, add support for 500mb heights and plotting forecast anomalies. To be implemented on June 13 at 1400Z.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of June 13, 2016 may affect CPC:

RFC #2020 – grib_util v1.0.3 - A new version of grib utilities will be installed on the Cray systems. The version was recompiled with current system libraries and linked (in all cases except wgrib2) with Cray's IOBUF library for more efficient I/O operations. The new version (v1.0.3) will be available in nwprod along with the current version (v1.0.2). The default modulefile "grib_util" will be removed so that the version number must be explicitly specified by the user. To be implemented on June 14 at 1400Z.

RFC #2021 – GEMPAK v7.3.0 - A new version of GEMPAK will be installed on the Cray systems. The new version (v7.3.0) will be available in nwprod along with the current version (v6.32.0). The default modulefile "gempak" will be removed so that the version number must be explicitly specified by the user. To be implemented on June 14 at 1400Z.

RFC #2025 – Implement redirects for <http://weather.noaa.gov> to <http://www.weather.gov> and for <http://weather.noaa.gov/pub/> to <http://tgftp.nws.noaa.gov/pub/> in support of the decommissioning of weather.noaa.gov. To be implemented on June 15 at 1600Z.

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 16.

RFC #1980 – For WCOSS Phase 1, update the firmware on the DCS3700 storage *p1, *d1, *d2, and *mv. This work will require a 14-20 hour outage. Implementation began June 8 at 1200Z on Tide. This work should be completed on both WCOSS systems by June 30.

Ocean Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of June 13, 2016:

RFC #668 – many scripts - Update OPC web pages displaying ESTOFS and ET_SURGE data to improve animated loops and to consolidate instances of duplicate code. To be implemented on June 13 at 1130Z.

RFC #669 - Vibrioprob_avg1m.m v2016.06.13 - Implement the beginning of season salinity correction to CBOFS output for Chesapeake Bay Vibrio models. To be implemented on June 13 at 1330Z.

RFC #670 - Ncom_Grib2toGEMPAK.csh v2016.06.13 - Move NCOM GRIB2 to GEMPAK processing to the OPC operational compute farm. This has been tested

and running from cron on the OPC test compute farm. To be implemented on June 13 at 1400Z.

RFC #671 – many scripts – Transition the National Blend of Models (NBM) wind speed grid production to opcps from opc_test and enable N-AWIPS to display NBM wind speed grid data. To be implemented on June 15 at 1400Z.

RFC #672 – datatype.tbl v2016.06.15 - Modify configuration file 'datatype.tbl' to enable display of GFS Maximum Wind Speed Composites grid data in N-AWIPS. To be implemented on June 15 at 1700Z.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of June 13, 2016 may affect OPC:

RFC #2020 – grib_util v1.0.3 - A new version of grib utilities will be installed on the Cray systems. The version was recompiled with current system libraries and linked (in all cases except wgrib2) with Cray's IOBUF library for more efficient I/O operations. The new version (v1.0.3) will be available in nwprod along with the current version (v1.0.2). The default modulefile "grib_util" will be removed so that the version number must be explicitly specified by the user. To be implemented on June 14 at 1400Z.

RFC #2021 – GEMPAK v7.3.0 - A new version of GEMPAK will be installed on the Cray systems. The new version (v7.3.0) will be available in nwprod along with the current version (v6.32.0). The default modulefile "gempak" will be removed so that the version number must be explicitly specified by the user. To be implemented on June 14 at 1400Z.

RFC #2022 – Implement redirects for some old URLs at www.nws.noaa.gov to equivalent functionality on www.weather.gov. Specific URLs affected will be provided upon request. To be implemented on June 14 at 1400Z.

RFC #2025 – Implement redirects for <http://weather.noaa.gov> to <http://www.weather.gov> and for <http://weather.noaa.gov/pub/> to <http://tgftp.nws.noaa.gov/pub/> in support of the decommissioning of weather.noaa.gov. To be implemented on June 15 at 1600Z.

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 16.

RFC #1980 – For WCOSS Phase 1, update the firmware on the DCS3700 storage *p1, *d1, *d2, and *mv. This work will require a 14-20 hour outage. Implementation began June 8 at 1200Z on Tide. This work should be completed on both WCOSS systems by June 30.

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 June 13, 2016:

RFC #673 – Re-introduce a disclaimer to WPC's tropical QPF graphics indicating that localized heavier rain is possible. To be implemented on June 13 at 1130Z.

RFC #674 - send_medr5km_winds v2016.06.14 - Move WPC-HRRR wind speed bias processing to the Compute Farm. Apply the WPC-HRRR wind speed bias to

the WPC medium range wind speed bias over West Virginia (WV). This is being done to remove large wind speeds over central WV caused by the URMA analysis over WV. To be implemented on June 14 at 1200Z.

The following RFCs are in progress:

RFC #667 - Add a dynamically downscaled transformation of the WPC 6-h QPFs for forecaster evaluation. The consensus dynamic downscaling is proposed to replace the current PRISM (Parameter-elevation Regressions on Independent Slopes Model) statistical downscaling. Implementation was to begin June 7 at 1200Z; postponed to June 9 due to CWD, and should be completed by June 16.

The following NCO RFCs to be implemented the week of June 13, 2016 may affect WPC:

RFC #2022 – Implement redirects for some old URLs at www.nws.noaa.gov to equivalent functionality on www.weather.gov. Specific URLs affected will be provided upon request. To be implemented on June 14 at 1400Z.

RFC #2025 – Implement redirects for <http://weather.noaa.gov> to <http://www.weather.gov> and for <http://weather.noaa.gov/pub/> to <http://tgftp.nws.noaa.gov/pub/> in support of the decommissioning of weather.noaa.gov. To be implemented on June 15 at 1600Z.

RFC #2026 - Route WMO header ASUS02 (WPC Frontal Map) to the NextGen project via LDM. This data is being used for the NextGen project and was requested because it is not available on NOAAPORT so NextGen needs NCO/IDSB/Dataflow to get it to them. To be implemented on June 16 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 ----

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.