

April 10, 2015

MEMORANDUM FOR: Distribution Email

FROM: Chris Caruso Magee  
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SUBJECT: Scheduled Operational Changes and Upgrades

The following accelerated items were implemented this past week:

RFC #807 – Himawari-8 HSD data transfer was set up so that the IDP team may retrieve Himawari satellite data from NESDIS/STAR. Implemented on April 2 at 1800Z.

RFC #808 – MRMS v10.0.2 – Performed the seasonal update of the Canadian Cluttermap configuration files, in order to optimize performance. Implemented on April 6 at 1400Z.

RFC #809 – NIDS – in support of Service Change Notices 15-11 and 15-12, updated shapefiles for WWA map generation and forecast application usage. Implemented on April 9 at 1800Z.

RFC #810 – MADIS v2.0.0 – Fixed a break in the MADIS LDM feed to NSSL, which was caused by a hardware failure at NSSL. Implemented on April 8 at 1400Z.

RFC #811 – WCOSS – Change the GPFS tuning parameters to improve I/O performance on the Phase 2 nodes. Nodes will be updated in a rolling manner so no outage is expected. To be implemented on April 10 at 1200Z, and will continue until April 28 at 1200Z.

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The following was postponed due to Critical Weather status being declared on April 8 at 1745Z:

RFC #790 – WCOSS Dataflow v1.61.4, NCODF Dataflow v2.3.3 – Modify the DBNet tables on WCOSS to move the NHC AMSU data from data1 to data on the NCEP ftp/https servers. Implementation was begun on April 6 at 1200Z. Was to have been completed on April 9 but will now be completed on April 10.

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

RFC #719 – Obsproc\_satingest v2.5.0 – Several satellite ingest scripts on WCOSS are being modified to pull data from NESDIS's DDS server instead of the satepsdist1e server, which will shortly be turned off. To be implemented on April 13 at 1200Z. This was postponed from an earlier date..

RFC #812 – WCOSS Dataflow – Modify DBNet on WCOSS to stop sending incoming data from both WCOSS systems to outbound recipients and only send from the primary WCOSS. To be implemented on April 13 at 1200Z.

RFC #813 – Add FTP, web, and FTPS sites for TGFTP for evaluation. To be implemented on April 13 at 1400Z and should be completed on April 14 at 1800Z.

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 #817 – WFO Guam will be connecting to the NCO network. Their current route will be advertised by NCEP and no longer advertised by OPSNet. To be implemented on April 14 at 0500Z and should be completed on April 18 at 0900Z.

RFC #818 – NIDS – Upgrade the point forecast application to 2.5.5 in the NIDS QA environment (preview.weather.gov), in order to begin the 75-day comment period for the Dual Icon forecast. To be implemented on April 14 at 1000Z.

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 #824 – Apply a new /common/data area for MRMS to distribute their content through HTTP. The site will be deployed under mrms.ncep.noaa.gov on the operational web servers and fed from the Idmstore systems. To be implemented on April 14 at 1200Z.

RFC #825 – WCOSS Dataflow – Modify DBNet on WCOSS to begin ingesting Canadian Met Centre (CMC) Quantitative Precipitation Forecast (QPF) verification files in GRIB2, as requested by EMC. To be implemented on April 14 at 1200Z.

RFC #782 – EKDMOS – DBNet currently writes EKDMOS output to NDGD at the TOC. The EKDMOS alerts are being modified to send this data over the SBN to NDGD via their WMO headers. To be implemented on April 14 at 1200Z. This was postponed from an earlier date.

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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RFCs that are security-related are not included in the RFC Memo.

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---- OPERATIONAL ANNOUNCEMENTS ----

1. The WCOSS Implementation Standards are available at

<http://www.nco.ncep.noaa.gov/pmb/docs/>.

Please adhere to these standards when submitting changes for the WCOSS.

2. Upcoming major changes to NCEP's production suite and details on any product or timing changes associated with upcoming implementations can be viewed at the following website:

<http://www.nco.ncep.noaa.gov/pmb/changes/>

Test data for major changes should be available six weeks prior to implementation. Anyone wishing to receive formal notice of the final pre-implementation testing and the opportunity to provide feedback on the proposed changes can subscribe to the Model Evaluation mailing list via:

<https://lstsrv.ncep.noaa.gov/mailman/listinfo/ncep.list.modevalinfo>

3. Maintenance of subscriptions to the Scheduled Operational Changes and Upgrades mailing list can be performed via the following website:

<https://lstsrv.ncep.noaa.gov/mailman/listinfo/ncep.list.rfcmemo>