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PNSWSH

Technical Implementation Notice 12-40
National Weather Service Headquarters Washington DC
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From: Geoff DiMego
 Chief, Mesoscale Modeling Branch
 NCEP/Environmental Modeling Center

Subject: Termination of NCEP's Rapid Update Cycle Surface Analysis System:
Effective October 2, 2012

Effective Tuesday, October 2, 2012, with the 1200 Coordinated Universal Time (UTC) cycle, the National Centers for Environmental Prediction (NCEP) will stop running the legacy analysis system known as Rapid Update Cycle Surface (RUCS), also known as the RUC Surface Assimilation System (RSAS), and discontinue all output products from this system.

A Public Information Statement (PNS) was issued on June 28, 2012, requesting comments on the proposed termination of the RUCS:

https://www.weather.gov/media/notification/pdfs/pnsl2rucsurface_anaysis.pdf

Based on responses received, NWS will terminate RUCS and all associated output products on October 2, 2012.

The RUCS analysis uses optimum interpolation in 2-dimensions to update its hourly products, resulting in output products on multiple grids. As outlined in the PNS referenced above, similar analyses of surface parameters using the state-of-the-art Gridpoint Statistical Interpolation (GSI) analysis scheme are available from the 12 km North American Mesoscale (NAM) model and its higher resolution nests, the 13 km Rapid Refresh (RAP), and the various domains covered by 2.5 km-5 km Real Time Mesoscale Analysis (RTMA).

The RUCS output is disseminated via the NWS and NCEP file transfer protocol (FTP) servers. No RUCS products are sent on NOAAPort. Details about the exact RUCS products that will be removed can be found at:

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

More information about the NAM, RAP and RTMA products that are available as replacements can be found at:

<http://www.nco.ncep.noaa.gov/pmb/products/nam/>
<http://www.nco.ncep.noaa.gov/pmb/products/rap/>
<http://www.nco.ncep.noaa.gov/pmb/products/rtma/>

If you have questions about this termination, please contact:

Geoff DiMego
NWS/NCEP Environmental Modeling Center
College Park, MD
geoff.dimego@noaa.gov

or

Rebecca Cosgrove
NWS/NCEP Central Operations
College Park, MD
rebecca.cosgrove@noaa.gov

National Technical Implementation Notices are online at:

<https://www.weather.gov/notification/archive>

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