

NOUS41 KWBC 211820
PNSWSH

Technical Implementation Notice 11-34
National Weather Service Headquarters, Washington, DC
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From: Geoff DiMego
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 NCEP/Environmental Modeling Center

Subject: Termination of NCEP's Regional Spectral Model for
 Hawaii: Effective September 13, 2011

Effective Tuesday, September 13, 2011, with the 1200 Universal Coordinated Time (UTC) cycle, the National Centers for Environmental Prediction (NCEP) will stop running the Regional Spectral Model (RSM) for Hawaii and discontinue all output products from this model run.

A Public Information Statement was issued on May 23, 2011, requesting comments on the proposed termination of the RSM for Hawaii. Please see:

http://www.weather.gov/os/notification/pns11rsm_removal.htm

Based on the responses received, the decision was made to terminate the RSM run and associated output products for Hawaii.

The RSM is a hydrostatic limited-area atmospheric model using a spectral method for horizontal advection. It is run to 48 hours twice daily over Hawaii with an equivalent grid spacing of 10 km on 42 levels.

The table below lists characteristics of the RSM and other current, and imminent, NCEP Operational Products, all of which are based on nonhydrostatic dynamics, and all of which provide similar or better guidance than the Hawaii RSM. More details about the exact grids and products available for each of the items listed in the table below are available at:

http://www.nco.ncep.noaa.gov/pmb/changes/rsm_removal.shtml

| Product | Runs/day | Range | Resolution | Grid |
|---------|----------|-------|-------------|---------------|
| RSM | 2 | 48hr | 10 km/42lev | see URL above |
| NAM | 4 | 84hr | 12 km/60lev | grid #182 |

| | | | | |
|-------------|---|------|------------|---------------|
| NAM nest* | 4 | 60hr | 3 km/60lev | grid #196 |
| HiResWindow | | | | |
| WRF-ARW | 2 | 48hr | 5 km/35lev | see URL above |
| WRF-NMM | 2 | 48hr | 4 km/35lev | see URL above |

* NAM nest is planned for implementation in August or September 2011. See NWS TIN 11-16 for more details on the NAM nest.

If you have questions about this termination, please contact:

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National Public Information Statements are online at:

<http://www.weather.gov/os/notif.htm>

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