

NOUS41 KWBC 231912
PNSWSH

Public Information Statement, Comment Request
National Weather Service Headquarters Washington DC
312 PM EDT Mon May 23 2011

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From: Geoff DiMego, Chief
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 NCEP/Environmental Modeling Center

Subject: Soliciting Public Comments through June 30, 2011, on the Removal
of NCEP's Regional Spectral Model for Hawaii

The National Centers for Environmental Prediction (NCEP) is proposing to stop running the Regional Spectral Model (RSM) and discontinue all output products from this model. The RSM is currently only run for a domain over the Hawaiian Islands. NWS Pacific Region has agreed to discontinue the RSM run after NCEP added a Guam domain to its HiResWindow suite in March 2011. Output of the HiResWindow suite includes the Hawaiian Islands and provides an alternative source of information for the RSM. NWS is seeking comments on this proposed change through June 30, 2011.

The RSM is a limited-area atmospheric model using a spectral method for horizontal advection. The model uses hydrostatic dynamics; it is run for Hawaii with the equivalent of 10 km horizontal resolution, at 20 North, using a grid of 97x76 points on 42 levels. Runs are made twice daily from 0000 Coordinated Universal Time (UTC) and 1200 UTC and range to 48 hours.

The RSM has been run operationally since June 1997 to provide numerical guidance for use by NWS Weather Forecast Offices in Hawaii. The Hawaii RSM products (211 fields per output time) are only disseminated via the NWS and NCEP file transfer protocol (FTP) servers. These products are not available on NOAAPort. At this time, the NWS no longer has a requirement to produce these runs or products because newer products have been introduced that meet the needs of forecasters.

The table below lists characteristics of the RSM and other current (and imminent) NCEP Operational Products, all of which are based on nonhydrostatic dynamics that 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
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RSM	2	48 hour	10km/42lev	see URL above
NAM	4	84 hour	12 km/60lev	grid #182
NAM nest*	4	48 hour	3 km/60lev	grid #196
HiResWindow				
WRF-ARW	2	60 hour	5 km/35lev	see URL above
WRF-NMM	2	48 hour	4 km/35lev	see URL above

*NAM nest is planned for implementation in July 2011. See NWS [Technical Implementation Notice \(TIN\) 11-16](#) for more details on the NAM nest.

NWS will evaluate all comments to determine whether to proceed with this change. If approved, a TIN will be issued containing implementation dates.

Send comments on this proposal to:

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National Public Information Statements are online at:

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

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