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PNSWSH

Technical Implementation Notice 11-21, Amended  
National Weather Service Headquarters Washington DC  
204 PM EDT Fri Aug 12 2011

To:      Subscribers:  
          -Family of Services  
          -NOAA Weather Wire Service  
          -Emergency Managers Weather Information Network  
          -NOAAPORT  
          Other NWS partners, and NWS employees

From:     Tim Mcclung  
          Chief Science Plans Branch  
          Office of Science And Technology

Subject:  Amended: Addition of HIRESW Products to NOAAPORT:  
          Postponed Until Further Notice

Amended to delay the implementation date until further notice due to the need to troubleshoot network issues detected following the NOAAPORT/ Satellite Broadcast Network (SBN) expansion.

Sometime after August 16, 2011, the National Centers for Environmental Prediction (NCEP) will begin disseminating output from the High-Resolution Window Forecast System (HIRESW) on NOAAPORT and SBN.

HIRESW includes runs of the Weather Research and Forecast (WRF) version 3.2 of the Advanced Research WRF (ARW) and the Nonhydrostatic Mesoscale Model (NMM). These runs are made over 6 domains covering the contiguous United States, Alaska, Hawaii, Puerto Rico and Guam. The HIRESW generates gridded output in GRIB2 format for 5km grids for each domain.

Below is the run schedule and the associated domains:

0000 UTC: Eastern US, Hawaii and Guam  
0600 UTC: Western US and Puerto Rico  
1200 UTC: Eastern US, Hawaii and Guam  
1800 UTC: Alaska and Puerto Rico

These HIRESW runs are cancelled on the NCEP operational supercomputer when hurricane models are running during the tropical season.

The HIRESW provides detailed forecasts of low-level temperatures and winds, and increased structure in precipitation forecasts due to a lack of parameterized convection. More information regarding the HIRESW and associated products can be found at:

[http://www.emc.ncep.noaa.gov/mmb/mmbpll/nestpage\\_4km](http://www.emc.ncep.noaa.gov/mmb/mmbpll/nestpage_4km)

The WMO headers for these HIRESW GRIB2 products are L\*x\*\*\* KWBS  
or M\*x\*\*\* KWBS where x =

A for Eastern US  
B for Western US  
C for Alaska  
D for Hawaii  
E for Puerto Rico  
F for Guam

A complete explanation of the WMO headers for all of the  
products is available at:

[www.nco.ncep.noaa.gov/pmb/changes/hiresw\\_wmo\\_headers.shtml](http://www.nco.ncep.noaa.gov/pmb/changes/hiresw_wmo_headers.shtml)

The HIRESW output is currently available on the NCEP server at:

[www.ftp.ncep.noaa.gov/data/nccf/com/hiresw/prod/](http://www.ftp.ncep.noaa.gov/data/nccf/com/hiresw/prod/)  
and  
<ftp://ftp.ncep.noaa.gov/pub/data/nccf/com/hiresw/prod/>

in directories hiresw.YYYYMMDD, where YYYYMMDD is the current  
year, month and day.

The model data for the Guam and Puerto Rico domains will be  
added to NOAAPORT sometime after August 16; however, the data  
will not be displayable in the Advanced Weather Interactive  
Processing System (AWIPS) until future modifications are made.

For questions regarding the HIRESW, please contact:

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For questions regarding the dataflow aspects of these data  
sets, please contact the NCEP/NCO/PMB Dataflow Help Desk at:

email: [ncep.pmb.dataflow@noaa.gov](mailto:ncep.pmb.dataflow@noaa.gov)

All National Technical Implementation Notices are online at:

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

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