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Technical Implementation Notice 11-21 Amended  
National Weather Service Headquarters Washington DC  
1225 PM EDT Tue Nov 1 2011

To:           Subscribers:  
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              -NOAA Weather Wire Service  
              -Emergency Managers Weather Information Network  
              -NOAAPort  
              Other NWS Partners, Users and Employees

From:        Tim McClung  
              Chief, Science Plans Branch  
              Office of Science and Technology

Subject: Amended: Addition of HIRESW Products to NOAAPort: Scheduled for  
November 8, 2011

Amended to schedule the implementation date to activate these products on  
NOAAPort/Satellite Broadcast Network (SBN) expansion on November 8, 2011.

On Tuesday, November 8, 2011, the National Centers for Environmental  
Prediction (NCEP) will begin disseminating output from the High-Resolution  
Window Forecast System (HIRESW) on NOAAPort and the 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 six domains covering the contiguous  
United States (CONUS), Alaska, Hawaii, Puerto Rico and Guam. The HIRESW  
generates gridded output in gridded binary version 2 (GRIB2) format for  
5km grids for each domain.

Below is the run schedule and the associated domains:

0000 Coordinated Universal Time (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/mmbp11/nestpage\\_4km](http://www.emc.ncep.noaa.gov/mmb/mmbp11/nestpage_4km)

The World Meteorological Organization (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 on November 8th; 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 [ncep.pmb.dataflow@noaa.gov](mailto:ncep.pmb.dataflow@noaa.gov).

National Technical Implementation Notices are online at:

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

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