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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
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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

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

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

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.

National Technical Implementation Notices are online at:

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

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