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PNSWSH

Technical Implementation Notice 14-31 Amended
National Weather Service Headquarters Washington DC
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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: Extra-Tropical Storm Surge (ETSS) Enhancements:
Effective October 14, 2014

Amended to reschedule the ETSS enhancements implementation date to
Tuesday, October 14, 2014.

On Tuesday, October 14, 2014, beginning with the 1200 Coordinated
Universal Time (UTC) cycle, the Extra-Tropical Storm Surge (ETSS) model
will use 0.5 degree instead of one degree gridded wind input from the
Global Forecast System (GFS) model. Additionally, ETSS will use a
corrected mask for merging data over the Bering Sea.

Also on Tuesday, October 14, 2014, ETSS will begin generating 2.5 km
National Digital Forecast Database (NDFD) contiguous U.S. (CONUS) gridded
binary version two (GRIB2) files and three km NDFD Alaska GRIB2 files.

For the NWS FTP server, the 2.5 km CONUS products will be available in the
National Digital Guidance Database (NDGD) here:

<http://weather.noaa.gov/pub/SL.us008001/ST.expr/DF.gr2/DC.ndgd/GT.slosh/AR.conus/ds.etss-2p5.bin>

The five km CONUS products: grib2.mdlsurgegrid.00con,
grib2.mdlsurgegrid.06con, grib2.mdlsurgegrid.12con and
grib2.mdlsurgegrid.18con in that directory will be discontinued. The
three km Alaska products will be available here:

<http://weather.noaa.gov/pub/SL.us008001/ST.expr/DF.gr2/DC.ndgd/GT.slosh/AR.alaska/ds.etss-3p0.bin>

The six km Alaska products: grib2.mdlsurgegrid.00ala,
grib2.mdlsurgegrid.06ala, grib2.mdlsurgegrid.12ala and
grib2.mdlsurgegrid.18ala in that directory will be discontinued. For the
NCEP FTP server, the new products will be available here:

<ftp://ftp.ncep.noaa.gov/pub/data/nccf/com/gfs/prod/gfs.YYYYMMDDHH/>

where YYYY is the current year, MM is the current month, DD is the current day, and HH is the current hour. They will have names of:
grib2.mdlsurgegrid.2.5km.HHcon for CONUS and grib2.mdlsurgegrid.3km.HHala for Alaska.

The new products are already available in parallel here:

<ftp://ftp.ncep.noaa.gov/pub/data/nccf/com/gfs/para/gfs.YYYYMMDDHH/>

The five km CONUS product (grib2.mdlsurgegrid.HHcon) and the six km Alaska product (grib2.mdlsurgegrid.HHala) will be discontinued.

For the Satellite Broadcast Network (SBN) and NOAAPort, both the original and new products will be available. The new products will have World Meteorological Organization (WMO) headers of:

WMO Heading	Region
MHU...KNHC	NDFD CONUS 2.5 km grid
MHR...KNHC	NDFD Alaska 3 km grid

The "... " in the WMO heading will be replaced by DHH, where D is the day of the forecast.

A=Day 0, B=Day 1, ..., F=Day 5 and HH is the hour of day when the forecast is valid. A full chart of the header combinations per forecast cycle is available here:

<http://www.nws.noaa.gov/mdl/etsurge/docs/headers2.xls>

Once the Advanced Weather Interactive Forecast System (AWIPS) is ready, the old products with WMO heading of "LHU...KNHC" and "LHR...KNHC" will be discontinued.

If you have any questions about these changes and additions to the Extra-Tropical Storm Surge guidance, please contact:

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National Technical Implementation Notices are online at:

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

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