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PNSWSH

Technical Implementation Notice 14-31 Amended  
National Weather Service Headquarters Washington DC  
1015 AM EDT Fri Aug 8 2014

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

Subject: Amended: Extra-Tropical Storm Surge (ETSS)  
Enhancements: Effective September 23, 2014

Amended to reschedule the ETSS enhancements implementation date to Tuesday, September 23, 2014

On Tuesday, September 23, 2014, beginning with the 1200 Universal Coordinated Time (UTC) cycle, the Extra-Tropical Storm Surge (ETSS) model will use 0.5 degree instead of 1 degree gridded wind input from the Global Forecast System model. Additionally, ETSS will use a corrected mask for merging data over the Bering Sea.

Also on Tuesday September 23, 2014, ETSS will begin generating 2.5 km National Digital Forecast Database (NDFD) CONUS GRIB2 files and 3 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 5 km CONUS products: grib2.mdlsurgegrid.00con, grib2.mdlsurgegrid.06con, grib2.mdlsurgegrid.12con and grib2.mdlsurgegrid.18con in that directory will be discontinued.

The 3 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 6 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 5 km CONUS product (grib2.mdlsurgegrid.HHcon) and the 6 km Alaska product (grib2.mdlsurgegrid.HHala) will be discontinued.

For the Satellite Broadcast Network and NOAAPORT both the original and new products will be available. The new products will have 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 AWIPS is ready, NWS will discontinue the old products with WMO heading of LHU... KNHC and LHR... KNHC.

For questions about these changes and additions to the Extra-Tropical Storm Surge guidance, please contact:

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NWS Technical Implementation Notices are available online:

<http://www.nws.noaa.gov/om/notif.htm>

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