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PNSWSH

Technical Implementation Notice 13-43
National Weather Service Headquarters Washington DC
Relayed for the National Ocean Service
700 AM EST Mon Nov 25 2013

To: Subscribers:
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From: Frank Aikman
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NOS Office of Coast Survey

Subject: Change to the delivery time of Extratropical Surge and Tide Operational Forecast System for the Atlantic and Gulf coasts (ESTOFS Atlantic) effective January 7, 2014. ESTOFS Atlantic will be provided over SBN and NOAAPORT effective February 18, 2014

Effective January 7, 2014, beginning with the 1200 Coordinated Universal Time (UTC) model cycle, the Extratropical Surge and Tide Operational Forecast System for the Atlantic and Gulf coasts (ESTOFS Atlantic) model output will be delivered 20 minutes earlier than the current delivery time. This change in delivery time is a result of optimization of the model code.

Effective February 18, 2014, beginning with the 1200 Coordinated Universal Time (UTC) cycle, ESTOFS Atlantic will be added to the Satellite Broadcast Network (SBN)and NOAAPORT. These grids will be disseminated in GRIB2 format.

For technical details about ESTOFS please see: Technical Information Notice (TIN) 12-43:

http://www.nws.noaa.gov/om/notification/tin12-43estofs.htm

ESTOFS output will be reprojected from the ADvanced CIRCulation (ADCIRC) native finite element grid to the 2.5 km National Digital Forecast Database (NDFD) Continental United States grid and the 1.25 km NDFD Puerto Rico grid.

GRIB2 files will be created for each hourly prediction (astronomical tides), and sub-tidal water levels (the isolated surge). GRIB2 files will be available 6.5 hours after the synoptic time (OO, 06, 12, 18 UTC.) The per cycle data volume will be approximately 500 MB.

The WMO Headings for these products will be as follows:

T1: Data Format of GRIB2 - E
T2: Parameter code - C, E, or H
A1: Grid code - P for Puerto Rico or I for CONUS
A2: Forecast time interval- one of
ABCDEFGHIJKLMNOPQRSTUVWXYZ
II: Layer or level: 88
CCCC: KWBM

For a complete listing of ESTOFS WMO Headings please refer to the following web page:

http://www.nco.ncep.noaa.gov/pmb/changes/estofswmo_headers.shtml

For questions concerning the technical details of ESTOFS contact:

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For questions regarding the dataflow aspect of ESTOFS contact:

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National TINs are online at:

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

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