NOUS41 KWBC DDHHMM CCA
PNSWSH

Service Change Notice 12-40: Corrected
National Weather Service Headquarters Washington DC
1253 PM EST Tue Nov 20 2012
Relayed by the National Weather Service

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From: Peter Stone
Chief, Oceanographic Division
NOS Center for Operational Oceanographic Products
and Services (CO-OPS)

Subject: Corrected: NOS/CO-OPS is implementing model guidance
Standard Hydrometeorological Exchange Format (SHEF)
Bulletins, Effective December 5, 2012

Corrected to indicate 12 OFS models will be released in SHEF Bulletins, not 13, and to include AWIPS Identifiers (AI) and WMO Headers for each SHEF Bulletin and the SHEF type-source code.

Effective December 5, 2012 at 1500 Coordinated Universal Time (UTC), NOS/CO-OPS will implement SHEF Bulletins using type-source code HMIFU for CO-OPS Operational Forecast System (OFS) water level model guidance.

CO-OPS currently produces SHEF bulletins of observed water level and meteorological data as well as astronomical tides. A new set of SHEF bulletins will be generated with total water level model guidance from the 12 operational CO-OPS OFS models. Ten OFS models (Chesapeake Bay, Delaware Bay, Tampa Bay, Northern Gulf of Mexico, Columbia River Estuary, and the five Great Lakes models) produce 48-hour model guidance of time series data updated every 6 hours, and two models (New York/New Jersey and St. Johns River) provide 24-hour model guidance updated every 6 hours.

Model guidance is provided at the CO-OPS tide gauge locations. Thus, the OFS Water Level SHEF bulletins will contain the full 48-hour or 24-hour model guidance of 30-minute data and will be issued every 6 hours to remain consistent with the OFS output. Modeled water levels are total water levels (astronomical tide plus surge). It is noted that CO-OPS models are not designed as a storm surge model, though meteorological parameters such as winds and air pressure are taken into account. Although the Operational Forecast Systems produce model guidance of currents, water temperature, and salinity, these data will not be included in the

SHEF bulletins; however, they can be viewed and downloaded at the CO-OPS web site. The Great Lakes SHEF OFS data will be in Local Standard Time (LST), whereas the rest of the OFS data will be in UTC, to meet user requirements.

The WMO header and AWIPS Identifiers (AI) for each OFS SHEF Bulletin (bulletins are grouped by OFS):

WMO Header	AI	OFS name
SOUS41 KWBC	TIDCB	Chesapeake Bay
SOUS41 KWBC	TIDDB	Delaware Bay
SOUS41 KWBC	TIDNY	New York and New Jersey
SOUS41 KWBC	TIDSJ	St. Johns River
SOUS42 KWBC	TIDTB	Tampa Bay
SOUS42 KWBC	TIDNG	Northern Gulf of Mexico
SOUS43 KWBC	TIDCR	Columbia River Estuary
SOUS44 KWBC	TIDLE	Lake Erie
SOUS44 KWBC	TIDLH	Lake Huron
SOUS44 KWBC	TIDLM	Lake Michigan
SOUS44 KWBC	TIDLO	Lake Ontario
SOUS44 KWBC	TIDLS	Lake Superior

The NWS Directive 10-944 SHEF Manual can be found at
http://www.nws.noaa.gov/directives/sym/pd01009044curr.pdf

Information about NOS/CO-OPS Operational Forecast System can be found at
http://www.tidesandcurrents.noaa.gov/models.html

Information about NOS/CO-OPS Products and Services can be found at
http://www.tidesandcurrents.noaa.gov/index.shtml

If you have any questions concerning these changes, please contact:
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For questions on the CO-OPS OFS products and modeled water level data, please contact:
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For general questions on CO-OPS products and services, please contact:
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National Service Change Notices are online at:

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

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