Subject: Corrected: NOS/CO-OPS is Implementing Model Guidance Standard Hydrometeorological Exchange Format (SHEF) Bulletins: Effective December 5, 2012

Corrected to indicate 12 Operational Forecast System (OFS) models will be released in SHEF Bulletins, not 13, and to include Advanced Weather Interactive Processing System (AWIPS) Identifiers (AI) and World Meteorological Organization (WMO) Headers for each SHEF Bulletin and the SHEF type-source code.

Effective December 5, 2012 at 1500 Coordinated Universal Time (UTC), the National Ocean Service (NOS)/CO-OPS will implement SHEF Bulletins using type-source code HMIFU for CO-OPS 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 website. 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):

<table>
<thead>
<tr>
<th>WMO Header</th>
<th>AI</th>
<th>OFS name</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOUS41 KWBC</td>
<td>TIDCB</td>
<td>Chesapeake Bay</td>
</tr>
<tr>
<td>SOUS41 KWBC</td>
<td>TIDDB</td>
<td>Delaware Bay</td>
</tr>
<tr>
<td>SOUS41 KWBC</td>
<td>TIDNY</td>
<td>New York and New Jersey</td>
</tr>
<tr>
<td>SOUS41 KWBC</td>
<td>TIDNJ</td>
<td>St. Johns River</td>
</tr>
<tr>
<td>SOUS42 KWBC</td>
<td>TIDTB</td>
<td>Tampa Bay</td>
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<td>TIDNG</td>
<td>Northern Gulf of Mexico</td>
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<td>SOUS43 KWBC</td>
<td>TIDCR</td>
<td>Columbia River Estuary</td>
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<tr>
<td>SOUS44 KWBC</td>
<td>TIDLS</td>
<td>Lake Superior</td>
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</tbody>
</table>

The NWS Directive 10-944 SHEF Manual can be found at:


Information about NOS/CO-OPS Operational Forecast System can be found at:

https://www.tidesandcurrents.noaa.gov/models.html

Information about NOS/CO-OPS Products and Services can be found at

https://www.tidesandcurrents.noaa.gov/index.shtml
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National Service Change Notices are online at:

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

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