

NOUS41 KWBC 081536
PNSWSH

Service Change Notice 13-41
NOAA's National Ocean Service Headquarters Washington DC
Relayed by National Weather Service Headquarters Washington DC
1136 AM EDT Mon Jul 8 2013

To: Subscribers:
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 -NOAA Weather Wire Service
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From: Peter Stone
 Chief, Oceanographic Division
 National Ocean Service (NOS)
 Center for Operational Oceanographic Products and Services
 (CO-OPS)

Subject: NOS/CO-OPS is Implementing New Character Form for the
Representation and EXchange of Data (CREX) Products: Effective August 7,
2013

Effective August 7, 2013 at 1500 Coordinated Universal Time (UTC), CO-OPS will release CREX messages containing one-minute water level data (total water levels) from approximately 200 water level stations around the U.S. Coast, including ocean islands. These products are transmitted every three minutes on the Global Telecommunications System (GTS) and will not be ingested by the Advanced Weather Interactive Processing System (AWIPS). The World Meteorological Organization (WMO) headers for these one-minute water level data products are:

SZNT31 KWBC (Atlantic Coast)
SZGX32 KWBC (Gulf Coast)
SZCA33 KWBC (Caribbean Islands)
SZPZ34 KWBC (Pacific Coast)
SZAK35 KWBC (Alaska Coast)
SZHW36 KWBC (Hawaii)
SZPA37 KWBC (Pacific Islands)

Effective August 7, 2013, 1500 UTC, CO-OPS will release CREX products containing six-minute water level data and residuals (total water level minus astronomical tide) from approximately 300 water level stations, which includes the Great Lakes. These messages will be released every six minutes on the GTS and will not be ingested by AWIPS. Every 30 minutes, CO-OPS will also release a supplemental meteorological message containing wind speed and direction, air temperature and barometric pressure collected at the water level stations. WMO headers for these six-minute water level and 30-minute meteorological data products are:

KSAA30 KWBC, Atlantic Coast (0-90 W Northern Hemisphere)
KSAA31 KWBC, Gulf Coast (0-90 W Northern Hemisphere)

KSAA32 KWBC, Great Lakes (0-90 W Northern Hemisphere)
KSAB30 KWBC, Great Lakes (90 W - 180 Northern Hemisphere)
KSAB31 KWBC, Gulf Coast (90 W - 180 Northern Hemisphere)
KSAB32 KWBC, Pacific Coast
KSAB33 KWBC, Alaska
KSAE30 KWBC, Caribbean Islands
KSAF30 KWBC, Hawaii
KSAG30 KWBC, Pacific Islands (180 - 90 E Tropical)
KSAJ30 KWBC, Pacific Islands (90 - 180 Southern Hemisphere)

All messages will use Edition 1 formats.

The one-minute water level messages use sequence identifier B22038 (water level elevation) replicated six times.

The six-minute messages use D06025, which includes B22038 and B22039 (residual). Meteorological messages use D06021.

All bulletins contain latitude/longitude information using D01021. All stations are identified by the same identifier that CO-OPS uses in its Standard Hydrometeorological Exchange Format (SHEF) messages.

The identifier is a NWS Location Identifier (NWSLI), but is referred to as a "SHEF ID" in NOS applications. You can map the SHEF ID to the seven-digit NOS identifier Web Services Active Stations ExTensible Markup Language (XML) query:

<http://opendap.co-ops.nos.noaa.gov/axis/webservices/activestations/response.jsp?v=2&format=xml&Submit=Submit>

Effective September 30, 2013 at 1500 UTC, CO-OPS will discontinue the existing hourly CREX bulletins distributed under the WMO headers SOUS5i, SOAK5i, and SOPA5i KWBC.

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

<https://www.tidesandcurrents.noaa.gov/index.shtml>

The WMO Manual on Codes that describes CREX formats can be found at:

<http://www.wmo.int/pages/prog/www/WMOCodes.html>

For questions concerning these changes, 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:

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

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