

NOUS41 KWBC 311720
PNSWSH

Service Change Notice 18-57
National Weather Service Headquarters Silver Spring MD
120 PM EDT Thu May 31 2018

To: Subscribers:
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From: Dave Myrick
 NWS Office of Science and Technology Integration

Subject: Additions and Changes to the BUFR station lists for the NAM, GFS, RAP, HRRR, SREF and Hi-ResW: Effective July 11, 2018

Effective on or about Wednesday, July 11, 2018, beginning with the 1200 Coordinated Universal Time (UTC) model distribution, the National Centers for Environmental Prediction (NCEP) will modify the list of stations for which station time series Binary Universal Form for the Representation of meteorological data (BUFR) data are generated for the North American Mesoscale (NAM) model, the Global Forecast System (GFS), Short-Range Ensemble Forecast System (SREF), and the High-Resolution Window (Hi-ResW) system.

The changes will also be made to the Rapid Refresh (RAP) and High-Resolution Rapid Refresh (HRRR) models as part of their scheduled larger updates on the same day. The Service Change Notice for the RAPv4, HRRRv3 can be found here:

https://www.weather.gov/media/notification/pdfs/scn18-58rap_hrrr.pdf

The new stations being added to all of the models mentioned above are listed in Table 1 below. A short set of international stations being added to only the GFS is listed in Table 2 below. Stations being changed are listed in Table 3 below. No stations are being removed. There will be no accompanying NOAAPort changes to the lists of stations in the NAM or GFS model BUFR sounding collectives.

The high-resolution NAM nests use the same station list as the parent 12 km NAM, so any changes to the list involving locations within a particular nest impact that nest's BUFR output as well. All of the new and modified sites are in the CONUS nest; no other nests have any changes.

Table 1: New Stations Added to the Station Time Series BUFR Output Lists for All of the Models Listed Above. The numerical and character identifications are provided:

000503	MTSL	Manti Skyline, UT
000504	RTN	Raton/Crews Field, NM
000505	KAKQ	Wakefield, VA
000506	KXSA	Tappahannock, VA
000507	KCGE	Cambridge, MD
000508	KLVL	Lawrenceville, VA
000509	MSM1	Matinicus Rock, Atlantic Ocean
000510	SNWS	Snowshoe, WV
000960	RPL2	Rappahannock Light, VA
000961	KSHA	Spaceport America, NM
000962	WLCX	Willcox Playa, AZ
000963	KOZW	Howell, MI
000964	KRNP	Owosso, MI
000965	KONZ	Grosse Isle, MI
000966	KADG	Adrian, MI
000967	GSL	Gravelly Shoal Light, Lake Huron
000968	KCFS	Caro, MI
000969	KTTF	Monroe, MI
000970	KSTK	Sterling, CO
000971	KFMM	Fort Morgan, CO
000972	KTRX	Trenton, MO
000973	KUV1	Unionville, MO
000974	KAY1	Albany, MO
000975	KTVK	Centerville, IA
000976	KGFI	Grinnell, IA
000977	KIFA	Iowa Falls, IA
000978	KFOA	Flora, IL
000979	KRSV	Crawford County Airport, IL
000980	KTAZ	Taylorville, IL
000981	CWH	Crowheart, WY
000982	WAM	Wamsutter, WY
000983	TTP	Teton Pass, WY
000984	K61	Beloit, KS
000985	KNVD	Nevada, MO
000986	KDKB	Dekalb, IL
000987	KU96	Halls Crossing, UT
000988	K3MW	Mount Werner, CO
000989	KEGT	Wellington, KS
000990	KCPW	Wolf Creek Pass, CO
000991	TNS	Ten Sleep, WY
000992	CKV	Cokeville, WY
000993	KAJZ	Delta, CO
000994	KC07	Walton Peak, CO
000995	KMIS	MP_140B_Oil_Platform, Gulf of Mexico
044007	B#PM	Buoy Near Portland, ME, Atlantic Ocean
044089	B#I	Buoy Wallops Island, VA, Atlantic Ocean
722119	KLAL	Lakeland, FL
722293	7R5	Cameron Heliport, LA
722308	9F2	Fourchon, LA
722320	BVE	Boothville, LA

723600 CAO Clayton, NM
724033 KEZF Fredericksburg/Shannon, VA
724115 HSP Hot Springs/Ingalls, VA
724265 KHNB Huntingburg, IN
724459 KAIZ Osage Beach, MO
724509 KEWK Newton, KS
726585 KMKT Mankato, MN

Table 2: New Stations Added to the Station Time Series BUFR Output List for Only the GFS:

133001 SOF Sofia, Bulgaria
133002 BOJ Burgas, Bulgaria
133003 VAR Varna, Bulgaria
133004 PDV Plovdiv, Bulgaria
488100 Ha Giang, Vietnam (no character ID is required for this site)

Table 3: Changes to Existing Sites being made to the BUFR Lists. The numerical and character identifications are provided:

The location of station 362 (B44, Eagle Pass, TX) is corrected from 28.39N, 110.29W to 28.39N, 100.29W.

The location of station 366 (B48, Cudjoe Key, FL) is corrected from 24.70N, 80.51W to 24.70N, 81.51W.

The character identifier for station 862 (Morris, IL) is changed from C09 to KC09 to avoid a conflict.

Station 726685 (Mobridge, SD) is moved from 45.53N, 100.43W to 45.55N, 100.41W and the character identifier is changed from KY26 to KMBG.

NCEP will evaluate all comments to determine whether to proceed with this upgrade.

Questions or comments concerning this implementation should be directed to the contact below.

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National Service Change Notices are online at:

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

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