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To: Subscribers:
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 NWS Office of Science and Technology Integration

Subject: Additions and Changes to the BUFR station lists for the NAM, RAP, HRRR, SREF and Hi-Res Windows: Effective January 10, 2017

Effective on or about Tuesday, January 10, 2017, 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 Binary universal form for the representation of meteorological data (BUFR) data are generated for the following models:

- Rapid Refresh (RAP)
- High-Resolution Rapid Refresh (HRRR)
- Short-Range Ensemble Forecast System (SREF)
- High-Resolution ARW and NMMB Windows (HIRESW)

The changes will also be made to the North American Mesoscale (NAM) model and its nests, but these changes will be made as part of the upcoming NAM upgrade on or about February 1, 2017.

The new stations are listed in Table 1 below. Stations being changed are listed in Table 2 below. No stations are being removed. There will be no accompanying NOAAPort changes to the lists of stations in the North American Mesoscale (NAM) 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 either the CONUS nest output or the Alaska nest output. Please note the special information about Karymksy, AK below.

Table 1: New Stations in the BUFR Lists. The numerical and character identifications are provided:

000771	44.89N	72.23W	KEFK	NEWPORT, VT
000772	43.46N	101.50W	LGVS	LONG VALLEY, SD
000773	43.99N	103.79W	DFDS	DEERFIELD, SD
000774	29.30N	84.04W	S#D	FAR NORTHEAST GULF OF MEXICO
000775	27.90N	96.64W	S#E	FAR WEST GULF OF MEXICO
000776	34.31N	84.42W	KCNI	CANTON/CHEROKEE CITY, GA

000777	34.27N	83.83W	KGVL	GAINESVILLE, GA
000778	41.34N	84.43W	KDFI	DEFIANCE MEMORIAL AIRPORT, OH
000779	41.28N	85.84W	KASW	WARSAW, IN
000780	41.81N	85.44W	KIRS	STURGIS-KIRSCH MUNICIPAL AIRPORT, MI
000781	41.57N	86.73W	KPPO	LA PORTE, IN
000782	48.93N	103.30W	KD50	CROSBY, ND
000783	48.88N	99.62W	K06D	ROLLA, ND
000784	46.19N	103.43W	KBPP	BOWMAN, ND
000785	46.02N	99.35W	KASY	ASHLEY, ND
000786	46.17N	98.07W	K2D5	OAKES, ND
000787	46.01N	83.74W	KDRM	DRUMMOND ISLAND, MI
000788	46.88N	89.32W	ONTM	ONTONAGON, MI
000789	45.58N	87.00W	MSPS	MINNEAPOLIS SHOALS GREEN BAY
000790	34.36N	117.63W	WRD	WRIGHTWOOD, CA
000791	34.94N	119.69W	NCY	NEW CUYAMA, CA
000792	34.48N	120.23W	GVA	GAVIOTA, CA
000793	34.61N	120.08W	KIZA	SANTA YNEZ, CA
000794	43.74N	111.10W	KDIJ	DRIGGS-REED MEMORIAL AIRPORT, ID
000795	34.85N	84.00W	KDZJ	BLAIRSVILLE, GA
000796	44.35N	103.77W	LED	LEAD, SD
000797	44.41N	104.36W	SDNW	SUNDANCE, WY
000798	37.80N	94.77W	KFSK	FORT SCOTT, KS
000799	37.64N	92.65W	KLBO	LEBANON, MO
000800	38.35N	93.34W	KRAW	WARSAW, MO
000848	41.14N	75.38W	KMPO	POCONO MOUNTAINS MUNICIPAL AIRPORT, PA
000849	39.98N	75.82W	COAT	COATESVILLE, PA
000855	42.11N	109.45W	FSN	FARSON, WY
000856	42.49N	107.83W	JFC	JEFFREY CITY, WY
000857	42.48N	108.84W	SOU	SOUTH PASS, WY
000858	43.20N	110.40W	BDT	BONDURANT, WY
000859	40.61N	95.87W	KAFK	NEBRASKA CITY, NE
000860	41.24N	96.59W	KAHQ	WAHOO, NE
000861	41.45N	87.01W	KVPZ	VALPARAISO, IN
000862	41.42N	88.41W	C09	MORRIS, IL
000863	39.76N	98.79W	K82	SMITH CENTER, KS
000864	40.51N	106.87W	KSBS	STEAMBOAT SPRINGS, CO
000865	39.43N	107.38W	K5SM	SUNLIGHT MOUNTAIN, CO
000866	39.48N	106.15W	KCCU	COPPER MOUNTAIN, CO
000867	40.50N	107.52W	KCAG	CRAIG, CO
000868	41.02N	89.39W	KC75	MARSHALL COUNTY AIRPORT, IL
000869	38.72N	88.18W	KOLY	OLNEY NOBLE AIRPORT, IL
000870	39.06N	98.17W	KK71	LINCOLN, KS
000871	37.13N	96.19W	SDN	SEDAN, KS
000872	38.37N	96.54W	CTW	COTTONWOOD FALLS, KS
000873	42.64N	77.05W	KPEO	PENN YAN, NY
000874	41.77N	76.45W	TOW	TOWANDA, PA
000875	40.73N	106.28W	K33V	WALDEN-JACKSON COUNTY AIRPORT, CO
000876	43.45N	76.51W	OSW	OSWEGO, NY
000877	43.08N	94.27W	KAXA	ALGONA, IA
000878	43.40N	94.75W	KEST	ESTERVILLE, IA
000879	40.35N	94.92W	KEVU	NORTHWEST MISSOURI REGIONAL AIRPORT, MO
000880	38.22N	83.59W	KSYM	MOREHEAD-ROWAN REGIONAL AIRPORT, KY
000881	38.71N	93.18W	KDMO	SEDALIA REGIONAL AIRPORT, MO
000882	39.42N	93.13W	KBRN	BRUNSWICK, MO

000883	43.71N	108.39W	KHSG	THERMOPOLIS, WY
000884	43.18N	111.04W	K46U	ALPINE, WY
000885	45.59N	103.55W	K2WX	BUFFALO, SD
000886	60.82N	152.72W	LCLP	LAKE CLARK PASS, AK
000887	69.00N	160.00W	WBR	WESTERN BROOKS RANGE, AK
000888	52.00N	177.55E	KISK	KISKA ISLAND, AK
000889	57.00N	166.00W	SEBE	SOUTHEAST BERING SEA
000890	62.22N	153.08W	RAPS	RAINY PASS, AK
000891	59.73N	157.26W	PAJZ	KOLIGANEK, AK
000892	61.89N	147.32W	TAPS	TAHNETA PASS, AK
000893	66.27N	166.05W	PASH	SHISHMAREF, AK
000894	34.10N	117.23W	KSBD	SAN BERNARDINO, CA
000895	40.63N	93.90W	KLWD	LAMONI, IA
000896	33.40N	110.77W	KGLO	GLOBE, AZ
000897	33.97N	112.74W	KWKB	WICKENBURG, AZ
000898	38.80N	76.07W	KESN1	EASTON, MD
000899	41.05N	74.63W	SPA	SPARTA, NJ
722920	33.40N	118.42W	KAVX	AVALON/CATALINA, CA
723200	34.35N	85.16W	KRMG	ROME/RUSSELL, GA
723927	34.21N	119.20W	KOXR	OXNARD, CA
724354	37.05N	84.61W	KSME	SOMERSET/LK_CUMBERLAND, KY
724475	38.83N	94.89W	KIXD 11	OLATHE/NEW CENTURY AIRPORT, KS
725347	42.42N	87.87W	KUGN 11	WAUKEGAN, IL
725527	41.76N	96.18W	KTQE 11	TEKAMAH, NE
726155	43.57N	71.42W	KLCI 11	LACONIA, NH
726165	42.90N	72.27W	KEEN 11	KEENE/DILLANT, NH
726355	42.14N	86.44W	KBEH 11	BENTON_HARBOR/ROSS, MI
726380	44.36N	84.67W	KHTL 11	HOUGHTON_LAKE_AIRPORT, MI
726395	44.45N	83.40W	KOSC 11	WURTSMITH_AIR_FORCE_BASE, MI
727677	47.65N	101.43W	N60 11	GARRISON, ND
745310	38.97N	104.82W	KAFF 12	AIR_FORCE_ACADEMY, CO

Table 2: Changes to Existing Sites Being Made to the BUFR Lists. The numerical and character identifications are provided:

Station 000237 (KGXA: Gray Butte Field, CA) is moved from 34.34N, 117.40W to 34.57N, 117.67W.

The character identifier for station 000239 (Manistique, MI) is changed from ISQ to KISQ.

The character identifier for station 000296 (Oscura Range Camp, NM) is changed from OSC to OSCR.

Station 000373 (PEV: Peever, SD) is moved from 45.46N, 91.74W to 45.46N, 96.99W.

Station 000396 (KLNL: Land O'Lakes, WI) is moved from 46.15N, 98.21W to 46.15N, 89.21W.

Station 000699 (MTG: Montague, NY) is moved from 43.49N, 76.22W to 43.76N, 75.68W

Station 000769 (SHIVL: Shiveluch, AK) is moved from 56.65N, 161.37W to

56.65N, 161.37E

Station 000770 (KYYM: Karymsky, AK) is moved from 54.05N, 159.43W to 54.05N, 159.43E. Note that the correction of the location for this station results in the station no longer appearing in the BUFR data for the NAM Alaska nest and the Alaskan Hi-Resolution Window. The station is actually outside of the domain; the incorrect longitude being used causes the station to be placed inside the domain in the current operational version.

Station 722950 (Los Angeles International, CA) is now designated as a water point to best represent weather conditions at the site.

Send questions or comments to:

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