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PNSWSH

Technical Implementation Notice 12-06 Amended  
National Weather Service Headquarters Washington DC  
330 PM EDT Mon Apr 16 2012

To:           Subscribers:  
              -Family of Services  
              -NOAA Weather Wire Service  
              -Emergency Managers Weather Information Network  
              -NOAAPort  
              Other NWS Partners, Users and Employees

From:         Tim McClung  
              Chief, Science Plans Branch  
              Office of Science and Technology

Subject: Amended: Additions, Deletions, Changes to NAM and RUC (RAP) BUFR  
Stations and Additional and Removed Stations in NCEP NAM Soundings  
Collectives on NOAAPort: Effective Date Set for May 1, 2012

Amended to set the implementation date for Tuesday, May 1, 2012. Users  
are cautioned that if a Critical Weather Day (CWD) designation is in  
effect on May 1, this implementation will be delayed until the conclusion  
of CWD. You can monitor the CWD status at the following webpage:

<http://www.nco.ncep.noaa.gov/pmb/cwd/>

Effective on Tuesday, May 1, 2012, 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 both the North American Mesoscale (NAM) and Rapid  
Refresh (RAP) models. The changes will also modify the lists of stations  
in the North American Mesoscale (NAM) model BUFR sounding collectives  
disseminated on NOAAPort.

For the NAM and RAP lists, the new stations are listed in Table 1 and the  
stations being removed are listed in Table 2. This change corresponds  
with the implementation of the Rapid Refresh (RAP) to replace the Rapid  
Update Cycle (RUC).

The NAM and RUC have always used the same station list, but many of the  
stations fall outside of the RUC domain and are not used by the model.  
The larger RAP domain will allow data for many more of the NAM stations to  
be used in the RAP output.

The lists below do not cover existing stations in the list that are  
outside of the RUC domain but inside the RAP domain. It deals only with  
actual changes to the list itself. Also, note that the 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.

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

000228	SWY	Spanaway, WA
000229	WPT	Westport, WA
000230	LUT	Near Lutsen, MN
000231	PWN	Near Port Wing, WI
000232	SDP	Near Sand Point, AK
000233	KISO	Kinston, NC
000234	KMVL	Morrisville-Stowe Airport, VT
000235	KGKL	Meadville, PA
000236	K48I	Sutton, WV
000237	KGXA	Gray Butte Field, CA
000238	EMF	El Mirage Field, CA
000239	ISQ	Manistique, MI
000240	P53	Munising, MI
000241	K3LF	Litchfield, IL
000270	CFC	Colfax Water, CA
000271	MPI	Mariposa, CA
000273	NXD	New Exchequer Dam, CA
000274	PFD	Pine Flat Dam, CA
000275	TPK	Three Peaks, CA
000276	RVD	Ravensdale, WA
000277	SHS	Sacramento ARO Site, CA
000278	TNF	Tahoe National Forest, CA
000279	STA	Shasta Dam, CA
000293	CCR	Concord, CA
098009	KEMP	Emporia, KS
722593	KMHV	Mojave, CA
724456	VIH	Rolla/Vichy Airport, MO
723065	KPGV	Greenville, NC
723069	KOAJ	Jacksonville, NC
724580	KCNK	Concordia/Blosser, KS
725116	KLNS	Lancaster, PA
726134	KHIE	Whitefield, NH
726385	KMBL	Manistee, MI
727883	KELN	Ellensburg/Bowers, WA
747900	KSSC	Shaw AFB/Sumter, SC

Table 2. Stations Being Removed from the NAM and RAP BUFR Lists. The numerical and character identifications are provided:

000620	C20	Canada/Great Lakes
000621	C21	Canada/Great Lakes
072434	STL	St. Louis, MO

The following changes are being made to the station lists:

-Station 000020 (near Watertown, SD) is moved from 44.80 N, 96.70W TO 45.80 N, 97.45 W and will now be known as (Marshall County RAWS). The character identification is changed from WTT to MRLS.

-Station 727790 (KGPI) now represents Glacier Park International instead of Kalispell/Glacier. There is no change to the numerical or character

identification.

-Station 000057 (Lewis Range of Rockies, MT) is moved from 48.00 N, 113.00 W to 48.32N, 113.35 W and will now be known as Marias Pass, MT. The character identification is changed from LRR TO MRP.

-Station 000617 (Northern Rockies, MT) is moved from 46.00 N, 114.00 W to 46.25 N, 114.15 W and will now be known as Hamilton, MT. The character identification is changed from C17 to HMM.

The changes to the BUFR station lists will result in no changes to the World Meteorological Organization (WMO) headers of the NOAAPort soundings collectives. The headers listed in Table 3, below, are used today and these headers will continue to be used. There will also be no change to the BUFR format of the products, except that new stations will be included in the collectives. The new stations as well as those being eliminated appear in Table 4, below.

Table 3. WMO Communication Identifiers for the NAM BUFR Collectives:

JUSA41 KWNO  
JUSA42 KWNO  
JUSB43 KWNO  
JUSB44 KWNO  
JUSB45 KWNO  
JUSB46 KWNO  
JUSX49 KWNO

Table 4. Additions/Deletions to NAM BUFR Sounding Collectives:

Collective 1 (JUSA41):

ADDED:

Station #	Station ID	Station Name
-----	-----	-----
000233	KISO	Kinston, NC
722235	KBFM	Mobile Downtown (ASOS), AL
723065	KPGV	Greenville, NC
723069	KOAJ	Jacksonville, NC
724456	VIH	Rolla/Vichy Airport, MO
747900	KSSC	Shaw AFB/Sumter, SC

DELETED:

072434	STL	St. Louis, MO
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Note that station 722235 (Mobile Downtown (ASOS), AL) is already generated in NAM/RAP BUFR output. The station had been mistakenly omitted from the collectives, and this is now corrected.

Collective 2 (JUSA42):

ADDED:

Station #	Station ID	Station Name
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000234	KMVL	Morrisville-Stowe Airport, VT
000235	KGKL	Meadville, PA

000236	K48I	Sutton, WV
000239	ISQ	Manistique, MI
000240	P53	Munising, MI
000241	K3LF	Litchfield, IL
725116	KLNS	Lancaster, PA
726134	KHIE	Whitefield, NH
726385	KMBL	Manistee, MI

DELETED:  
NONE

Collective 3 (JUSB43):

ADDED:  
NONE

DELETED:  
NONE

Collective 4 (JUSB44):

Station #	Station ID	Station Name
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000230	LUT	Near Lutsen, MN
000231	PWN	Near Port Wing, WI
098009	KEMP	Emporia, KS
724580	KCNK	Concordia/Blosser, KS

DELETED:

000620	C20	Canada/Great Lakes
000621	C21	Canada/Great Lakes

Collective 5 (JUSB45):

Station #	Station ID	Station Name
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000237	KGXA	Gray Butte Field, CA
000238	EMF	El Mirage Field, CA
000270	CFC	Colfax Water, CA
000271	MPI	Mariposa, CA
000273	NXD	New Exchequer Dam, CA
000274	PFD	Pine Flat Dam, CA
000275	TPK	Three Peaks, CA
000277	SHS	Sacramento ARO Site, CA
000278	TNF	Tahoe National Forest, CA
000279	STA	Shasta Dam, CA
000293	CCR	Concord, CA

DELETED:  
NONE

Collective 6 (JUSB46):

ADDED:

Station #	Station ID	Station Name
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000228	SWY	Spanaway, WA
000229	WPT	Westport, WA
000276	RVD	Ravensdale, WA
722593	KMHV	Mojave, CA
727883	KELN	Ellensburg/Bowers, WA

DELETED:

NONE

Collective 9 (JUSX49):

ADDED:

Station #	Station ID	Station Name
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000232	SDP	Near Sand Point, AK

DELETED:

NONE

If you have any questions concerning these changes, please contact:

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If you have questions about the NOAAPort activation of these products,  
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National Technical Implementation Notices are online at:

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

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