

NOUS41 KWBC DDHHMM AAC
PNSWSH

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

To: Subscribers:
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-NOAA Weather Wire Service
-Emergency Managers Weather Information Network
-NOAAPORT
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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 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 Apt 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 (nr. Watertown, SD) is moved from 44.80 N, 96.70

W 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 Intl 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 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 NUMBER	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

Note that station 722235 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 NUMBER	STATION ID	STATION NAME
000234	KMVL	Morrisville-Stowe Apt, 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):

ADDED:

STATION NUMBER	STATION ID	STATION NAME
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):

ADDED:

STATION NUMBER	STATION ID	STATION NAME
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
NUMBER ID STATION NAME
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
NUMBER ID STATION NAME
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, please contact:

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This and other NWS technical implementation notices are available
online at:

<http://www.nws.noaa.gov/om/notif.htm>

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