

NOUS41 KWBC 041216 CAA  
PNSWSH

Technical Implementation Notice 13-35 Corrected  
National Weather Service Headquarters Washington DC  
715 AM EST Mon Nov 4 2013

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

Subject: Corrected: Additions and Changes to the NAM and RAP  
BUFR Soundings: Effective December 17, 2013

Station 726710, KBPI, is Big Piney, WY not CA, as listed previously. Station 000351, JHN is Johnsondale, CA, not Johnsonville, as listed previously.

Effective on or about Tuesday, December 17, 2013, 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.

The new stations are listed in Table 1, and the stations being changed are listed in Table 2. No stations are being removed. This set of changes to the NAM and RAP will correspond with the implementation of version 2 of the RAP, currently scheduled for December 17.

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. In this implementation, all of the modified sites are in the CONUS nest output. All of the new stations are in the CONUS nest output, except for station 000367 which will appear in the Puerto Rico nest output.

The changes to the BUFR station lists will result in no changes to the WMO headers of the NOAAPORT NAM 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 appear in Table 4.

The Short-Range Ensemble Forecast system (SREF) station list will be updated in early 2014. The changes to that list will be discussed in the upcoming SREF TIN.

Table 1. New stations in the NAM and RAP BUFR lists. The numerical and character identifications are provided:

000345	KPNA	Pinedale WY
000346	WLM	William CA
000347	BNY	Burney CA
000348	SON	Sonora CA
000349	YSV	Yosemite Valley CA
000350	LSY	Lindsay CA
000351	JHN	Johnsondale CA
000352	FZP	Frazier Park CA
000353	COA	Coalinga CA
000354	TBM	Table Mountain CA
000355	KPSF	Pittsfield MA
000356	KUNI	Athens/Albany OH
000357	K36U	Heber Valley Municipal Apt UT
000358	B40	Yuma AZ
000359	B41	Ft Huachuca AZ
000360	B42	Deming NM
000361	B43	Marfa TX
000362	B44	Eagle Pass TX
000363	B45	Rio Grande City TX
000364	B46	Matagorda TX
000365	B47	Morgan City LA
000366	B48	Cudjoe Key FL
000367	B49	Lajas PR
723066	KGSB	Seymour-Johnson AFB NC
724397	KBMI	Bloomington/Normal IL
725490	KFOD	Fort Dodge IA
725635	KAIA	Alliance NE
726710	KBPI	Big Piney WY

Table 2. Changes to existing sites being made to the NAM and RAP BUFR lists. The numerical and character identifications are provided:

-Station 000037 (near Carroll, IA) is moved from 42.00 N, 95.00 W to 42.04 N, 94.79 W and will now be known as Carroll, IA. This puts the BUFR point at the local airport instead of the current rural location.

-Station 000050 (near Albia, IA) is moved from 40.90 N, 92.8 W to 42.11 N, 92.92 W and will now be known as Marshalltown, IA. The character identifier is changed from AIA to MAR.

-Station 000080 (Redding, IA) is moved from 40.69 N, 94.47 W to 41.02 N, 94.36 W and will now be known as Creston, IA. The character identifier is changed from RDD to CSQ.

- Station 724754 (Saint George AWOS, UT) is moved from 37.08 N, 113.6 W to 37.04N, 113.5W to match the new location of the airport.

Table 3. WMO communication identifiers for the NAM BUFR collectives:

JUSA41 KWNO  
JUSA42 KWNO  
JUSB43 KWNO  
JUSB44 KWNO  
JUSB45 KWNO  
JUSB46 KWNO  
JUSX47 KWNO  
JUSX49 KWNO

Table 4. Additions to NAM BUFR sounding collectives:

Collective 1 (JUSA41):

STATION NUMBER	STATION ID	STATION NAME
000366	B48	Cudjoe Key FL
000367	B49	Lajas PR
723066	KGSB	Seymour-Johnson AFB NC

Collective 2 (JUSA42):

STATION NUMBER	STATION ID	STATION NAME
000355	KPSF	Pittsfield MA
000356	KUNI	Athens/Albany OH
724397	KBMI	Bloomington/Normal IL

Collective 3 (JUSB43):

STATION NUMBER	STATION ID	STATION NAME
000360	B42	Deming NM
000361	B43	Marfa TX
000363	B45	Rio Grande City TX
000364	B46	Matagorda TX
000365	B47	Morgan City LA

Collective 4 (JUSB44):

STATION NUMBER	STATION ID	STATION NAME
725490	KFOD	Fort Dodge IA
725635	KAIA	Alliance NE

Collective 5 (JUSB45):

ADDED:

STATION NUMBER	STATION ID	STATION NAME
000346	WLM	William CA
000347	BNY	Burney CA
000348	SON	Sonora CA
000349	YSV	Yosemite Valley CA
000350	LSY	Lindsay CA
000351	JHN	Johnsondale CA
000352	FZP	Frazier Park CA
000353	COA	Coalinga CA
000354	TBM	Table Mountain CA
000357	K36U	Heber Valley Municipal Apt UT
000358	B40	Yuma AZ
000359	B41	Ft Huachuca AZ
000362	B44	Eagle Pass TX

Collective 6 (JUSB46):

STATION NUMBER	STATION ID	STATION NAME
000345	KPNA	Pinedale WY
726710	KBPI	Big Piney WY

There are no changes to collectives 7 or 9, and 8 does not exist.

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

Geoff Manikin  
NCEP/Environmental Modeling Center  
College Park, Maryland 20746  
301-683-3695  
geoffrey.manikin@noaa.gov

If you have questions about the NOAAPORT activation of these products, please contact:

Brian Gockel  
NWS/Office of Science and Technology  
Silver Spring, Maryland 20910  
301-713-0304 X 158  
brian.gockel@noaa.gov

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