|  |  |  |
| --- | --- | --- |
| WORLD METEOROLOGICAL ORGANIZATIONCOMMISSION FOR BASIC SYSTEMS-----------------------------FIRST MEETING OFINTER-PROGRAMME EXPERT TEAM ONCODES MAINTENANCEGENEVA, SWITZERLAND, 24 - 28 JULY 2017 |  | IPET-CM-I / Doc. 8.2.4 (1) rev(18. 7. 2017)-------------------------ITEM 2.5ENGLISH ONLY |

Status of migration in RA IV

**Availability of high-resolution radiosonde data from U.S.A.**

*Submitted by* *J. Ator (USA)*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Summary and Purpose of Document**

This document summarizes the status of the U.S. National Weather Service program to make high-resolution radiosonde data available to the GTS community.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**ACTION PROPOSED**

The meeting is invited to take note of the contents for possible further discussion.

**DISCUSSION**

Following the successful completion of system and field testing, the U.S. National Weather service has begun disseminating high-resolution radiosonde data from many of its upperair observing sites.  At the moment, the following sites are disseminating operational data in real time on the GTS, with the product headers listed below for each one:

|  |  |  |
| --- | --- | --- |
| **WMO block/station ID** | **GTS headers** | **Site location** |
| 70133 | IU[KS]N05 PAOT | Koztebue, AK |
| 70200 | IU[KS]N05 PAOM | Nome, AK |
| 70261 | IU[KS]N05 PAFA | Fairbanks, AK |
| 70308 | IU[KS]N05 PASN | St. Paul Island, AK |
| 70398 | IU[KS]N05 PANT | Annette Island, AK |
| 72206 | IU[KS]N02 KJAX | Jacksonville, FL |
| 72208 | IU[KS]N01 KCHS | Charleston, SC |
| 72215 | IU[KS]N02 KFFC | Peachtree City, GA |
| 72230 | IU[KS]N02 KBMX | Birmingham, AL |
| 72233 | IU[KS]N02 KLIX | Slidell, LA |
| 72235 | IU[KS]N02 KJAN | Jackson, MS |
| 72248 | IU[KS]N02 KSHV | Shreveport, LA |
| 72317 | IU[KS]N01 KGSO | Greensboro, NC |
| 72363 | IU[KS]N02 KAMA | Amarillo, TX |
| 72426 | IU[KS]N01 KILN | Wilmington, OH |
| 72489 | IU[KS]N04 KREV | Reno, NV |
| 72501 | IU[KS]N01 KOKX | Upton, NY |
| 72518 | IU[KS]N01 KALY | Albany, NY |
| 72520 | IU[KS]N01 KPBZ | Pittsburgh, PA |
| 72528 | IU[KS]N01 KBUF | Buffalo, NY |
| 72634 | IU[KS]N03 KAPX | Gaylord, MI |
| 72712 | IU[KS]N01 KCAR | Caribou, ME |
| 74389 | IU[KS]N01 KGYX | Gray, ME |
| 74494 | IU[KS]N01 KCHH | Chatham, MA |
| 78526 | IU[KS]N02 TJSJ | San Juan, PR |

Note that the high-resolution products all use the ICAO identifier of the actual site in the CCCC of the product header, as opposed to the similarly-headed GTS products with CCCC=KWBC which aren't high-resolution but rather are converted from TAC at RTH Washington.  The WMO community is invited to begin using the above high-resolution products, all of which use the new BUFR 3-01-128 sequence descriptor for radiosonde ascent metadata preceding the standard 3-09-052 sequence descriptor for radiosonde level data. To make arrangements to begin receiving these products, please contact RTH Washington.

Additional sites are coming on-line every month, with the roll-out of updated software to all sites progressing in a nominally East-to-West direction across the U.S. Sites mostly in the Eastern U.S. are being migrated first, followed by sites in the Southern, Central and Western regions, and concluding with the Alaskan and Pacific region sites sometime in early-mid 2018.  As the roll-out progresses, corresponding TAC-converted reports which use the CCCC=KWBC originator will begin to be removed from the GTS.

Finally, please note that the above migration only covers sites operated and managed by the U.S. National Weather Service. Sites operated by the U.S. military (mostly in block 74) will move to native high-resolution capability under a separate program at some later date still to-be-determined.