

NOUS41 KWBC 021352  
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 05-34  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
955 AM EDT MON MAY 2 2005

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS...NOAA WEATHER  
WIRE SERVICE /NWS/ SUBSCRIBERS...EMERGENCY MANAGERS  
WEATHER INFORMATION NETWORK /EMWIN/ SUBSCRIBERS...  
NOAAPORT SUBSCRIBERS...OTHER NATIONAL WEATHER SERVICE  
/NWS/ CUSTOMERS AND PARTNERS...NWS EMPLOYEES

FROM: JOSEPH FACUNDO  
CHIEF...OBSERVING SYSTEMS BRANCH  
OFFICE OF OPERATIONAL SYSTEMS

SUBJECT: RADIOSONDE REPLACEMENT SYSTEM /RRS/ COMMUNICATIONS  
TEST SCHEDULED TO START MAY 16 2005

NOTE: THE FOLLOWING CHANGES HAVE NO IMPACT ON NOAA WEATHER WIRE  
SERVICE SUBSCRIBERS.

AS PART OF THE RADIOSONDE REPLACEMENT SYSTEM...A COMMUNICATIONS  
TEST WILL TAKE PLACE BEGINNING WITH THE 12Z UPPER AIR SOUNDING ON  
MAY 16 2005. THIS TEST WILL ORIGINATE AT THE CARIBOU... MAINE  
WEATHER FORECAST OFFICE. THE TEST WILL LAST APROXIMATELY 30 DAYS  
AND WILL CONSIST OF DAILY MESSAGES TRANSMITTED DURING THE NORMAL  
SYNOPTIC WINDOW FOR THE 00Z AND 12Z SOUNDINGS...AND AS NECESSARY...  
AT ASYNOPTIC TIMES WHEN WEATHER CONDITIONS AND TEST REQUIREMENTS  
WARRANT. THESE TEST MESSAGES WILL BE IN THE SAME FORMAT AS OPERATIONAL  
MESSAGES BUT WILL HAVE DIFFERENT DATA DUE TO DIFFERENT UPPER AIR  
CONDITIONS AND CODING PRACTICES AS EXPLAINED BELOW.

THE NWS IS INVITING CUSTOMERS OF UPPER AIR DATA COLLECTED FROM  
RADIOSONDES... AS TRANSMITTED BY NOAAPORT OR VIA THE NWS  
TELECOMMUNICATIONS GATEWAY /NWSTG/... TO EVALUATE THE USABILITY OF  
MODIFIED PRODUCTS GENERATED FROM THE RRS. A TEST HEADER FOR  
CARIBOU...MAINE...KCRT /STATION ID 69992/ HAS BEEN ESTABLISHED  
FOR THE RRS. THE OFFICIAL HEADER OF THE CARIBOU OFFICE...KCAR  
/STATION ID 72712/ WILL CONTINUE TO BE USED FOR TRANSMISSION OF  
OFFICIAL PRODUCTS PRODUCED BY THE CURRENT SYSTEM.

MODIFICATIONS OF THESE PRODUCTS ARE A RESULT OF CHANGES MADE TO  
THE WORLD METEOROLOGICAL ORGANIZATION /WMO/ LEVEL SELECTION  
CRITERIA AND UPDATED CODING PRACTICES. ACTUAL MESSAGE FORMAT WILL  
NOT CHANGE. THE BIGGEST IMPACT WILL BE TO THE TTBB AND TTDD WMO  
MESSAGES. DUE TO AN INCREASE IN DATA RESOLUTION AND TIGHTER LEVEL  
SELECTION CRITERIA...THESE TEST MESSAGES CAN BE SIGNIFICANTLY  
LONGER. IN ADDITION...THE 31313 INDICATOR AND ASSOCIATED GROUPS  
WILL BE INCLUDED IN ALL PARTS OF THE MESSAGE. FOR ADDITIONAL  
INFORMATION REGARDING THESE MESSAGES... PLEASE REFERENCE THE

MANUAL ON CODES WMO-NO. 306...SECTION A.

WHEN THE INDIVIDUAL TEST KCRT RRS PRODUCTS ARE RECEIVED BY THE NWSTG... THEY ARE PACKAGED WITH OPERATIONAL UPPER AIR PRODUCTS INTO COLLECTIVE PRODUCTS AND CONVERTED INTO BUFR FORM. THESE PRODUCTS ARE THEN BROADCAST OVER NOAAPORT. THE INDIVIDUAL... COLLECTIVE...AND BUFR MESSAGES ARE ALSO TRANSMITTED FROM THE NWSTG TO NWS CUSTOMERS OVER A VARIETY OF COMMUNICATION SERVICES.

THE FOLLOWING PRODUCTS WILL BE ISSUED DURING THE TEST:

	INDIVIDUAL	COLLECTIVE
PIL	WMO HEADER	WMO HEADER
CRTMANCRT	USUS41 KCRT	USUS05 KWBC
CRTSGLCRT	UMUS41 KCRT	UKUS50 KWBC AND UGUS50 KWBC
CRTABVCRT	UFUS41 KCRT	ULUS05 KWBC...UEUS05 KWBC... ULUS50 KWBC AND UEUS50 KWBC
CRTFZLCRT	UXUS41 KCRT	UXUS70 KWBC

BUFR COLLECTIVES: IUST41 KWBC...IUST42 KWBC AND IUST46 KWBC

BELOW ARE EXAMPLES OF INDIVIDUAL PRODUCTS ISSUED BY RRS:

UXUSII KSTA 180001  
FZLSTA

RADAT 83145=

USUSII KSTA 180001  
MANSTA

69990 TTAA 68001 69990 99005 26427 15506 00127 25429 13507  
92815 24456 27508 85551 18835 29022 70187 08426 29027 50589  
06758 26039 40760 17164 27043 30970 30990 26536 25097 41786  
26534 20244 52760 27029 15423 69558 25030 10661 64759 29522  
88135 75358 24534 77999 31313 58708 82310 51515 10164 00051  
10181 10194 27509 28525=

UMUSII KSTA 180001  
SGLSTA

69990 TTBB 68000 69990 00005 26427 11982 24212 22980 24211  
33977 24839 44971 26250 55967 26656 66952 25857 77944 25656  
88911 23244 99883 21650 11824 16821 22814 16232 33795 14413  
44765 12026 55760 11408 66745 10219 77744 10236 88741 10039  
99740 09812 11738 09609 22722 09025 33719 09450 44707 08243  
55703 08219 66686 07849 77685 07650 88680 07042 99677 06420  
11672 06018 22665 05620 33650 05031 44644 05257 55640 05057  
66637 04657 77622 03056 88613 01824 99611 01614 11607 01411  
22604 01221 33601 01211 44594 01026 55589 00428 66573 00923  
77562 02310 88560 02306 99555 02123 11553 02326 22518 04756  
33513 05157 44512 05159 55511 05159 66505 05960 77494 07356  
88488 08160 99483 08561 11465 10556 22460 11157 33458 11159  
44451 11959 55449 12157 66448 12158 77446 12362 88438 13165

99434 13764 11431 13960 22427 14761 33425 14759 44422 14773  
55420 14761 66415 14960 77413 15359 88404 16758 99403 16963  
11401 17165 22398 17362 33386 18965 44378 19758 55377 19966  
66376 20159 77375 20158 88363 21565 99360 21563 11355 22366  
22352 22763 33332 25965 44328 26391 55312 28591 66284 33789  
77245 43186 88240 43986 99224 47564 11207 50961 22203 52160  
33135 75358 44130 74358 55126 76158 66121 76558 77116 73758  
88114 71158 99111 69558 11106 68959 22105 66159 33102 66559  
31313 58708 82310 41414 79692 51515 10181=

PPBB 68000 69990 90012 15506 21009 25008 90346 29009 29515  
28523 90789 28022 28026 28529 91024 28530 28526 28533 916//  
28035 92059 26536 27042 26547 93057 26546 27538 28039 94024  
25026 27024 26036 94568 25524 25528 23531 95012 26534 27032  
29047=

UFUSII KSTA 180001  
ABVSTA

69990 TTCC 68002 69990 70878 63961 28505 50088 59766 06509  
30412 54782 06522 20674 49384 09529 88999 77999 31313 58708  
82310 51515 10182=

TTDD 6800/ 69990 11965 64160 22874 69559 33844 66360 44703  
64161 55666 62562 66648 59562 77589 57564 88533 61165 99368  
55182 11359 54782 22315 56382 33295 54583 44255 55782 55229  
49184 66197 49384 77192 46985 88169 45185 99157 41986 11135  
42986 22130 41187 31313 58708 82310=

PPDD 68000 69990 9569/ 29502 00000 96046 17007 03510 09016  
96789 08012 11015 05512 97012 09018 08020 10516 97345 08018  
06517 08021 976// 05527 98034 07019 05519 07024 98589 07027  
10033 11028 99012 10526 11029 10521 99367 09027 10033 11021=

ANOTHER MESSAGE ON THIS RRS WILL BE TRANSMITTED AFTER THIS  
COMMUNICATIONS TEST IS CONCLUDED.

IF YOU OR YOUR ORGANIZATION WISH TO PARTICIPATE IN THIS TEST BY  
PROVIDING FEEDBACK... OR IF YOU HAVE ANY QUESTIONS ABOUT THESE  
CHANGES...PLEASE CONTACT:

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OR

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W/OS12

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THIS AND OTHER NWS TECHNICAL IMPLEMENTATION NOTICES ARE AVAILABLE  
ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM](http://www.nws.noaa.gov/om/notif.htm)

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