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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 NWS CUSTOMERS...PARTNERS AND EMPLOYEES

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

SUBJECT: RADIOSONDE REPLACEMENT SYSTEM 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 /RRS/...A COMMUNICATIONS TEST
WILL TAKE PLACE BEGINNING WITH THE 1200 COORDINATED UNIVERSAL TIME /UTC/
UPPER AIR SOUNDING ON MAY 16 2005. THIS TEST WILL ORIGINATE AT THE
CARIBOU MAINE WEATHER FORECAST OFFICE /WFO/. THE TEST WILL LAST
APROXIMATELY 30 DAYS AND WILL CONSIST OF DAILY MESSAGES TRANSMITTED DURING
THE NORMAL SYNOPTIC WINDOW FOR THE 00 UTC AND 12 UTC 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 BINARY UNIVERSAL FORM FOR THE
 REPRESENTATION OF METEOROLOGICAL DATA /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
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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
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NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE/:

[HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE](https://www.weather.gov/notification/archive)

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