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PNSWSH

PUBLIC INFORMATION STATEMENT AMENDED
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
246 PM EDT TUE JUL 20 2010

TO: SUBSCRIBERS:
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OTHER NWS PARTNERS...USERS AND EMPLOYEES

FROM: RICHARD THOMAS
ACTING CHIEF...TEST AND EVALUATION BRANCH
OFFICE OF OPERATIONAL SYSTEMS

SUBJECT: SCHEDULED RADIOSONDE REPLACEMENT SYSTEM /RRS/ WORKSTATION
SUBSYSTEM /RWS/ BUILD 2 FOLLOW ON SYSTEM TEST SCHEDULED FOR AUGUST 2010
USING TEST HEADERS

AS PART OF RRS BUILD 2 SOFTWARE UPGRADE FOLLOW ON SYSTEM TEST...NWS WILL
CONDUCT A DATA COMMUNICATIONS TEST IN AUGUST 2010 USING TEST HEADERS.

THIS TEST WILL ORIGINATE FROM THE NWS STERLING FIELD SUPPORT CENTER
/SFSC/. THE TEST WILL CONSIST OF DAILY UPPER AIR CODED MESSAGES
TRANSMITTED DURING THE ASYNOPTIC AND NORMAL SYNOPTIC TIMES FOR SOUNDINGS
FROM 1400 COORDINATED UNIVERSAL TIME /UTC/ TO 2000 UTC...AND AS
NECESSARY...WHEN WEATHER CONDITIONS AND TEST REQUIREMENTS WARRANT. THESE
TEST MESSAGES WILL BE IN THE SAME FORMAT AS OPERATIONAL MESSAGES BUT WILL
HAVE DIFFERENT DATA REFLECTING UPPER AIR CONDITIONS AND CODING PRACTICES
AS EXPLAINED BELOW.

TWO TEST HEADERS HAVE BEEN ESTABLISHED FOR THE TEST: KSTA /STATION ID
69990/ AND KSTB /STATION ID 69991/ FOR THE SFSC. THE KSTA AND KSTB TEST
CODED MESSAGE FORMAT WILL BE IN THE RRS FORMAT NOW IN SERVICE AT OVER 60
UPPER AIR SITES. RRS FORMATTED PRODUCTS ARE A RESULT OF CHANGES MADE TO
THE WORLD METEOROLOGICAL ORGANIZATION /WMO/ LEVEL SELECTION CRITERIA AND
UPDATED CODING PRACTICES. FOR ADDITIONAL INFORMATION REGARDING THESE
MESSAGES...PLEASE REFERENCE THE MANUAL ON CODES WMO NO. 306 SECTION A.

WHEN THE INDIVIDUAL KSTA AND KSTB RRS PRODUCTS ARE RECEIVED BY THE NWS
TELECOMMUNICATIONS GATEWAY...THEY ARE PACKAGED WITH OPERATIONAL UPPER AIR
PRODUCTS INTO COLLECTIVE PRODUCTS 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 NWS TELECOMMUNICATIONS
GATEWAY /NWSTG/ TO NWS USERS OVER A VARIETY OF COMMUNICATION SERVICES.

THE FOLLOWING PRODUCTS WILL BE ISSUED DURING THE TEST:

PIL	INDIVIDUAL	COLLECTIVE
---	WMO HEADER	WMO HEADER
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STAMANSTA	USUS97 KSTA	USUS01 KWBC USUS50 KWBC USUS90 KWBC UPUS50 KWBC UPUS90 KWBC
STASGLSTA	UMUS97 KSTA	UKUS01 KWBC UKUS50 KWBC UKUS90 KWBC ULUS01 KWBC ULUS50 KWBC ULUS90 KWBC UGUS01 KWBC UGUS50 KWBC UGUS90 KWBC UHUS50 KWBC UHUS90 KWBC
STAABVSTA	UFUS97 KSTA	UEUS01 KWBC UEUS50 KWBC UEUS90 KWBC UQUS50 KWBC UQUS90 KWBC
STAFZLSTA	UXUS97 KSTA	
BUFR COLLECTIVES:		IUST41 KWBC IUST42 KWBC IUST43 KWBC IUST44 KWBC IUST46 KWBC IUST48 KWBC
STBMANSTB	USUS97 KSTB	USUS01 KWBC USUS50 KWBC USUS90 KWBC UPUS50 KWBC UPUS90 KWBC
STBSGLSTB	UMUS97 KSTB	UKUS01 KWBC UKUS50 KWBC UKUS90 KWBC ULUS01 KWBC ULUS50 KWBC ULUS90 KWBC UGUS01 KWBC UGUS50 KWBC UGUS90 KWBC UHUS50 KWBC

UHUS90 KWBC

STBABVSTB UFUS97 KSTB UEUS01 KWBC
UEUS50 KWBC
UEUS90 KWBC
UQUS50 KWBC
UQUS90 KWBC

STBFZLSTB UXUS97 KSTB

BUFR COLLECTIVES: IUST41 KWBC
IUST42 KWBC
IUST43 KWBC
IUST44 KWBC
IUST46 KWBC
IUST48 KWBC

THE FORMAT OF THE TEST MESSAGES WILL BE THE SAME WMO FORMAT FOR CODED UPPER AIR MESSAGES AS USED BY RRS SYSTEMS SINCE 2005. THE NUMBER OF LEVELS IN THE KSTA AND KSTB CODED MESSAGES WILL BE SIMILAR TO THE CODED MESSAGES ROUTINELY TRANSMITTED FROM THE OPERATIONAL RRS SITES.

IF YOU HAVE QUESTIONS ABOUT THESE CHANGES...CONTACT:

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NATIONAL PUBLIC INFORMATION STATEMENTS ARE ONLINE AT /USE LOWER CASE/:

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

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