

NOUS41 KWBC 291315  
PNSWSH

PUBLIC INFORMATION STATEMENT  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
915 AM EDT MON JUN 29 2009

TO: SUBSCRIBERS:  
-FAMILY OF SERVICES  
-NOAA WEATHER WIRE SERVICE  
-EMERGENCY MANAGERS WEATHER INFORMATION NETWORK  
-NOAAPORT  
OTHER NWS PARTNERS...USERS AND EMPLOYEES

FROM: JERALD DINGES  
CHIEF...TEST AND EVALUATION BRANCH  
OFFICE OF OPERATIONAL SYSTEMS

SUBJECT: RADIOSONDE REPLACEMENT SYSTEM /RRS/ COMMUNICATIONS TEST SCHEDULED  
FOR SEPTEMBER AND OCTOBER 2009 USING TEST HEADERS

AS PART OF RRS BUILD 2 SOFTWARE UPGRADE TEST...NWS WILL CONDUCT A DATA  
COMMUNICATIONS TEST IN SEPTEMBER AND OCTOBER 2009 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 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 REFLECTING  
UPPER AIR CONDITIONS AND CODING PRACTICES AS EXPLAINED BELOW.

A TEST HEADER HAS BEEN ESTABLISHED FOR THE TEST: KSTA /STATION ID 69990/  
WAS ESTABLISHED FOR THE STERLING FIELD SUPPORT CENTER /SFSC/. THE KSTA  
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 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 CUSTOMERS 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	USUS41 KSTA	USUS01 KWBC USUS50 KWBC

USUS90 KWBC  
UPUS50 KWBC  
UPUS90 KWBC

STASGLSTA      UMUS41 KSTA      UKUS01 KWBC  
   UKUS50 KWBC  
   UKUS90 KWBC  
   ULUS01 KWBC  
   ULUS50 KWBC  
   ULUS90 KWBC  
   UGUS01 KWBC  
   UGUS50 KWBC  
   UGUS90 KWBC  
   UHUS50 KWBC  
   UHUS90 KWBC

STAABVSTA      UFUS41 KSTA      UEUS01 KWBC  
   UEUS50 KWBC  
   UEUS90 KWBC  
   UQUS50 KWBC  
   UQUS90 KWBC

STAFZLSTA      UXUS41 KSTA

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 CODED MESSAGES WILL BE SIMILAR TO THE CODED MESSAGES ROUTINELY TRANSMITTED FROM THE OPERATIONAL RRS SITES.

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

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OR

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NWS 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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