

NOUS41 KWBC 101915  
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 08-20  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
315 PM EDT MON MAR 10 2008

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

FROM: KEVIN SCHRAB  
CHIEF...OBSERVING SERVICES DIVISION  
OFFICE OF CLIMATE...WATER AND WEATHER SERVICES

SUBJECT: THIRD QUARTER FY08 SCHEDULE: RADIOSONDE REPLACEMENT SYSTEM /RRS/  
IMPLEMENTATION WITH TERMINATION OF OPERATIONS OF RADIOTHEODOLITE TRACKING  
/ART/ AND RADIO DIRECTION FINDING RADIOSONDES

IN THE THIRD QUARTER FISCAL YEAR /FY/ 2008...NWS WILL TERMINATE UPPER AIR  
OBSERVATIONS FROM RADIO DIRECTION FINDING RADIOSONDES AND AUTOMATED  
RADIOTHEODOLITE TRACKING AT THE THREE SITES LISTED BELOW ON OR ABOUT THE  
DATES INDICATED:

SITE ID	STATION NAME	OUTAGE DATE
-----	-----	-----
72215	PEACHTREE CITY GA	APRIL 10 2008
72365	ALBUQUERQUE NM	APRIL 24 2008
72364	SANTA TERESA NM	MAY 8 2008
72261	DEL RIO TX	MAY 30 2008

NWS UPPER AIR OBSERVATIONS WILL RESUME APPROXIMATELY TWO WEEKS LATER. NWS  
WILL USE THE RRS WITH GLOBAL POSITIONING SYSTEM /GPS/ RADIOSONDES. EACH  
OF THESE SITES WILL BE OUT OF SERVICE FOR UP TO TWO WEEKS. WHEN  
RESTORED...PARTS OF THE UPPER AIR CODED MESSAGES WILL BE SIGNIFICANTLY  
LONGER.

NWS HAS COORDINATED WITH ITS PARTNERS ON THE LONGER LENGTH OF THESE  
MESSAGES.

THE FORMAT OF THE MESSAGES WILL BE THE SAME WMO FORMAT FOR CODED UPPER AIR  
MESSAGES IN USE WITH THE MICROART LEGACY SYSTEM. THE NUMBER OF LEVELS IN  
THE CODED MESSAGES WILL BE TWO TO THREE TIMES GREATER FOR THE TTBB AND  
TTDD. AS A RESULT...TWO CATEGORIES OF ADVANCED WEATHER INTERACTIVE  
PROCESSING SYSTEM /AWIPS/ TEXT PRODUCTS WILL INCREASE IN SIZE: SGL AND  
ABV. THE NUMBER OF LEVELS IN THE TTAA...TTCC...PPBB AND PPDD PARTS WILL  
BE RELATIVELY UNCHANGED. THESE CHANGES REFLECT UPDATED CODING PRACTICES  
AND HIGHER RESOLUTION LEVEL SELECTION CRITERIA. THE MAXIMUM SIZE LIMITS  
OF THE PARTS OF THE CODED MESSAGES ARE AS FOLLOWS:

TTAA: 15 LEVELS

TTCC: 10 LEVELS  
TTBB: 135 LEVELS  
TTDD: 40 LEVELS  
PPBB: 40 LEVELS  
PPDD: 40 LEVELS

IN ADDITION...THE 31313 MESSAGE INDICATOR ASSOCIATED WITH VARIOUS PARTS OF THE MESSAGE WILL BE INCLUDED WITH EACH PART OF THE THERMODYNAMIC MESSAGE PARTS. FOR ADDITIONAL INFORMATION ON THE MESSAGE REQUIREMENTS...REFERENCE WORLD METEOROLOGICAL ORGANIZATION /WMO/ 306...MANUAL ON CODES...INTERNATIONAL CODES...VOLUME 1.1 PART A-ALPHANUMERIC CODES AND WMO 306...MANUAL ON CODES...REGIONAL CODES AND NATIONAL CODING PRACTICES...VOLUME II. USERS CAN FIND INFORMATION ON THE LEVELS SELECTION CRITERIA USED IN NWS CODING SOFTWARE ONLINE AT /USE LOWER CASE/:

[HTTP://WWW.UA.NWS.NOAA.GOV](http://www.ua.nws.noaa.gov)

IF YOU HAVE QUESTIONS OR FEEDBACK...PLEASE CONTACT:

DOMINIC BOSCO  
NATIONAL WEATHER SERVICE  
SILVER SPRING MARYLAND  
PHONE: 301-713-1841 EXT. 123  
EMAIL: [DOMINIC.BOSCO@NOAA.GOV](mailto:DOMINIC.BOSCO@NOAA.GOV)

NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE/:

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

\$\$  
NNNN