

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
OTHER NWS PARTNERS...AND NWS 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 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.

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

NWS UPPER AIR OBSERVATIONS WILL RESUME APPROXIMATELY 2 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 2 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 AWIPS TEXT PRODUCTS WILL INCREASE IN SIZE: SGL AND ABV. THE
NUMBER OF LEVELS IN THE TTA...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 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 LOWERCASE LETTERS/:

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

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

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NWS TECHNICAL IMPLEMENTATION NOTICES ARE 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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