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PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 08-41  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
106 PM EDT FRI MAY 9 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: FY08 SCHEDULE RADIOSONDE REPLACEMENT SYSTEM /RRS/ IMPLEMENTATION  
WITH TERMINATION OF OPERATIONS OF RADIOTHEODOLITE TRACKING /ART/ AND RADIO  
DIRECTION FINDING RADIOSONDES

NWS CHARLESTON SOUTH CAROLINA AND ANCHORAGE ALASKA WILL CONVERT TO RRS  
TECHNOLOGY IN FY08. NWS WILL TERMINATE UPPER AIR OBSERVATIONS FROM RADIO  
DIRECTION FINDING RADIOSONDES AND AUTOMATED RADIOTHEODOLITE TRACKING AT  
THE TWO SITES LISTED BELOW ON OR ABOUT THE DATES INDICATED.

SID	STATION NAME	OUTAGE DATE
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72208	CHARLESTON SC	JUNE 12 2008
70273	ANCHORAGE AK	JULY 13 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 WORLD METEOROLOGICAL  
ORGANIZATION /WMO/ FORMAT FOR CODED UPPER AIR MESSAGES USED 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 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 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:

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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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