

NOUS41 KWBC 091706
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
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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