

NOUS41 KWBC 091706  
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 08-41  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
106 PM EDT FRI MAY 09 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: 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	12 JUN 2008
70273	ANCHORAGE AK	13 JUL 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 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 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/:

[HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM](http://www.nws.noaa.gov/om/notif.htm)

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