

NOUS41 KWBC 101826
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 07-68
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
226 PM EDT MON SEP 10 2007

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

FROM: JIM O'SULLIVAN
ACTING CHIEF...OBSERVING SERVICES DIVISION
OFFICE OF CLIMATE...WATER AND WEATHER SERVICES

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

THIS FIRST 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
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72797	QUILLAYUTE WA	OCTOBER 12 2007
74455	DAVENPORT IA	OCTOBER 26 2007
72249	FT. WORTH TX	NOVEMBER 30 2007

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 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 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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