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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
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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