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PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 06-52  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
940 AM EDT TUE AUG 2 2006

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

FROM: MIKE CAMPBELL  
CHIEF...OBSERVING SERVICES DIVISION  
OFFICE OF CLIMATE...WATER AND WEATHER SERVICES

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

THIS FALL...NWS WILL TERMINATE UPPER AIR OBSERVATIONS FROM RADIO DIRECTION  
FINDING RADIOSONDES AND AUTOMATED RADIOTHEODOLITE TRACKING AT FOUR SITES  
LISTED BELOW ON THE DATES INDICATED:

SID	STATION NAME	SONDE TYPE	TEAR DOWN DATE
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72672	RIVERTON WY	VSL RS80	SEPTEMBER 8 2006
72476	GRAND JUNCTION CO	VSL RS80	SEPTEMBER 22 2006
74389	GRAY ME	VSL RS80	OCTOBER 6 2006
72528	BUFFALO NY	VSL RS80	OCTOBER 20 2006

NWS UPPER AIR OBSERVATIONS WILL RESUME APPROXIMATELY TWO WEEKS LATER. NWS  
WILL USE THE RADIOSONDE REPLACEMENT SYSTEM /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 ADVANCED WEATHER INTERACTIVE PROCESSING SYSTEM /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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