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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 /NWWS/ SUBSCRIBERS...EMERGENCY MANAGERS
WEATHER INFORMATION NETWORK /EMWIN/ SUBSCRIBERS...
NOAAPORT SUBSCRIBERS...OTHER NATIONAL WEATHER SERVICE
/NWS/ CUSTOMERS AND PARTNERS...NWS 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 4 SITES LISTED BELOW ON THE DATES INDICATED.

SID	STATION NAME	SONDE TYPE	TEAR DOWN DATE
72672	RIVERTON-WY	VSL RS80	08 SEPTEMBER 2006
72476	GRAND JUNCTION-CO	VSL RS80	22 SEPTEMBER 2006
74389	GRAY-ME	VSL RS80	06 OCTOBER 2006
72528	BUFFALO-NY	VSL RS80	20 OCTOBER 2006

NWS UPPER AIR OBSERVATIONS WILL RESUME APPROXIMATELY 2 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 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 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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THIS AND OTHER NWS TECHNICAL IMPLEMENTATION NOTICES ARE AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

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

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