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PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 07-39  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
953 AM EDT WED MAY 30 2007

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

SUBJECT: FOURTH QUARTER FY07 SCHEDULE: RADIOSONDE REPLACEMENT  
SYSTEM /RRS/ IMPLEMENTATION WITH TERMINATION OF  
OPERATIONS OF RADIOTHEODOLITE TRACKING /ART/ AND RADIO  
DIRECTION FINDING RADIOSONDES

DURING THIS FOURTH QUARTER NWS WILL TERMINATE UPPER AIR  
OBSERVATIONS FROM RADIO DIRECTION FINDING RADIOSONDES AND  
AUTOMATED RADIOTHEODOLITE TRACKING AT THE SIX SITES LISTED BELOW  
ON OR ABOUT THE DATES INDICATED.

SID	STATION NAME	OUTAGE DATE
72768	GLASGOW MT	02 JUL 2007
74560	LINCOLN IL	16 JUL 2007
72440	SPRINGFIELD MO	30 JUL 2007
72634	GAYLORD MI	13 AUG 2007
72562	NORTH PLATTE NE	28 AUG 2007
72558	VALLEY NE	08 SEP 2007

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 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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