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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 /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: FOURTH QUARTER FY 2007 SCHEDULE: RADIOSONDE REPLACEMENT SYSTEM  
/RRS/ IMPLEMENTATION WITH TERMINATION OF OPERATIONS OF RADIOTHEODOLITE  
TRACKING /ART/ AND RADIO DIRECTION FINDING RADIOSONDES

DURING THIS FOURTH QUARTER OF 2007...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
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72768	GLASGOW MT	JULY 2 2007
74560	LINCOLN IL	JULY 16 2007
72440	SPRINGFIELD MO	JULY 30 2007
72634	GAYLORD MI	AUGUST 13 2007
72562	NORTH PLATTE NE	AUGUST 28 2007
72558	VALLEY NE	SEPTEMBER 8 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 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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