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TECHNICAL IMPLEMENTATION NOTICE 07-16
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
152 PM EST WED MAR 7 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: FY 2007 SCHEDULE OF RADIOSONDE REPLACEMENT SYSTEM
/RRS/ IMPLEMENTATION WITH TERMINATION OF OPERATIONS OF
RADIOTHEODOLITE TRACKING /ART/ AND RADIO DIRECTION
FINDING RADIOSONDES

THIS FISCAL YEAR NWS WILL TERMINATE UPPER AIR OBSERVATIONS FROM
RADIO DIRECTION FINDING RADIOSONDES AND AUTOMATED RADIOTHEODOLITE
TRACKING AT 13 SITES LISTED BELOW ON OR ABOUT THE DATES
INDICATED.

SID	STATION NAME	OUTAGE DATE
72210	TAMPA BAY FL	12 MAR 2007
72426	WILMINGTON OH	26 MAR 2007
72202	MIAMI FL	23 APR 2007
72327	NASHVILLE TN	07 MAY 2007
74389	TUCSON AZ	22 MAY 2007
72582	ELKO NV	04 JUN 2007
72694	SALEM OR	18 JUN 2007

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 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 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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