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PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 05-58  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
1035 AM EDT FRI JUL 29 2005

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

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

SUBJECT: TERMINATION OF MICROART UPPER AIR LEGACY SYSTEM IN PREPARATION  
FOR OPERATIONAL ASSESSMENT TEST /OAT/ RADIOSONDE REPLACEMENT SYSTEM /RRS/  
AND FLIGHT OF RECORD: EFFECTIVE SEPTEMBER 9 2005

EFFECTIVE SEPTEMBER 9 2005...NWS WILL TERMINATE UPPER AIR OBSERVATIONS  
USING THE RADIO DIRECTION FINDING RADIOSONDES AND TRACKING SYSTEM AT SALT  
LAKE CITY UTAH. APPROXIMATELY TWO WEEKS LATER...EFFECTIVE SEPTEMBER 23  
2005...NWS WILL TERMINATE UPPER AIR OBSERVATIONS USING THE RADIO DIRECTION  
FINDING RADIOSONDES AND TRACKING SYSTEM AT CORPUS CHRISTI TEXAS. UPPER  
AIR OPERATIONS WILL BE RESTORED USING THE RADIOSONDE REPLACEMENT SYSTEM  
/RRS/ WITH NEW GLOBAL POSITIONING SYSTEM /GPS/ RADIOSONDES. BOTH SITES  
WILL BE OUT OF SERVICE UP TO TWO WEEKS. WHEN RESTORED...SOME PARTS OF THE  
UPPER AIR CODED MESSAGES WILL BE SIGNIFICANTLY LONGER.

SEE [TECHNICAL IMPLEMENTATION NOTICE /TIN/ 05-34](#) FOR SPECIFICS OF THIS  
CHANGE. AS A CONSEQUENCE OF THE CARIBOU TEST...[TIN 05-47](#) AND [TIN 05-48](#)  
ISSUED JUNE 17 2005 ALSO PROVIDE THE SPECIFICS OF THIS CHANGE. NWS HAS  
BEEN COORDINATING WITH PARTNERS OVER THE LENGTH OF THESE MESSAGES BECAUSE  
THEY ARE LARGER THAN ANTICIPATED. THE FORMAT HAS NOT CHANGED.

STARTING NO SOONER THAN THE 0000 COORDINATED UNIVERSAL TIME /UTC/ ON OR  
ABOUT SEPTEMBER 19 2005...FOR SALT LAKE CITY AND NO SOONER THAN THE 0000  
COORDINATED UNIVERSAL TIME /UTC/ ON OR ABOUT OCTOBER 3 2005...FOR CORPUS  
CHRISTI TEXAS...THE IMPLEMENTATION OF THE RRS WILL RESULT IN A CHANGE IN  
THE LENGTH OF CODED MESSAGES. THE WORLD METEOROLOGICAL ORGANIZATION /WMO/  
NUMBER FOR SALT LAKE CITY IS 72572. THE WMO NUMBER FOR CORPUS CHRISTI IS  
72251. 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. 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 FOLLOW:

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 THE 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 AT THE FOLLOWING SITE UNDER THE NWS RRS TAB /USE LOWER CASE/:

[HTTP://WWW.UA.NWS.NOAA.GOV](http://www.ua.nws.noaa.gov)

IF YOU HAVE QUESTIONS OR FEEDBACK...CONTACT:

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NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE/:

[HTTPS://WWW.WEATHER.GOV/NOTIFICATIONS/ARCHIVE](https://www.weather.gov/notifications/archive)

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