

NOUS41 KWBC 291434
PNSWSH

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

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS...NOAA WEATHER
WIRE SERVICE /NWS/ 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 WEATHER SERVICES

SUBJECT: TERMINATION OF MICROART UPPER AIR LEGACY SYSTEM IN
PREPARATION FOR OPERATION ASSESSMENT TEST /OAT/
RADIOSONDE REPLACEMENT SYSTEM /RRS/ AND FLIGHT
OF RECORD: EFFECTIVE SEPTEMBER 09 2005

EFFECTIVE SEPTEMBER 09 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 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 CHANGE NOTICE TIN05-34 FOR SPECIFICS OF THIS CHANGE. AS A
CONSEQUENCE OF THE CARIBOU TEST... CHANGE NOTICES TIN05-47 and
TIN05-48 ISSUED JUN 17 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 03 2005... FOR CORPUS CHRISTI... TEXAS... THE
IMPLEMENTATION OF THE RADIOSONDE REPLACEMENT SYSTEM 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 RADIOSONDE REPLACEMENT SYSTEM /USE LOWERCASE LETTERS/.

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

IF YOU HAVE QUESTIONS OR FEEDBACK... CONTACT:

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THIS AND OTHER NWS TECHNICAL IMPLEMENTATION NOTICES ARE AVAILABLE 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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