TECHNICAL IMPLEMENTATION NOTICE 06-64
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
105 PM EDT WED SEP 27 2006

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

SUBJECT: NORMAN OKLAHOMA ELEVATED TO THE 2006 SCHEDULE OF SITES
    TO IMPLEMENT THE RADIOSONDE REPLACEMENT SYSTEM /RRS/

REFER TO: TIN 06-52 TRANSMITTED AUGUST 2 2006

THE NWS WILL TERMINATE UPPER AIR /UA/ OBSERVATIONS FROM AUTOMATED
    RADIOTHEODOLITE TRACKING AND RADIO DIRECTION FINDING RADIOSONDES
AT NORMAN OKLAHOMA ON OR ABOUT NOVEMBER 6 2006.

THE NORMAN UA SITE WILL RELOCATE 4 MILES TO THE NATIONAL WEATHER
    CENTER /NWC/ EFFECTIVE AT THE START OF RRS OPERATIONS ON OR ABOUT
    NOVEMBER 6 2006. THERE WILL BE NO CHANGE TO THE 72357 IDENTIFIER.

COORDINATES OF THE NEW UA RELEASE POINT LOCATION:

<table>
<thead>
<tr>
<th>NAME</th>
<th>SITE</th>
<th>LAT</th>
<th>LON</th>
<th>ELEVATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORMAN</td>
<td>72357</td>
<td>35.18109 N</td>
<td>97.43796 W</td>
<td>345.2 M</td>
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PLEASE UPDATE YOUR METADATA FILES FOR THESE NEW COORDINATES SO
    YOUR UA DERIVED PRODUCTS WILL NOT GIVE ERRONEOUS INFORMATION.

AS WITH ALL SITES THAT PHASE OVER TO RRS OPERATION... THE UA
    CODED MESSAGES WILL BE SIGNIFICANTLY LONGER. NWS HAS COORDINATED
    WITH ITS PARTNERS ON THE LONGER LENGTH OF RRS MESSAGES.

THE FORMAT OF THE MESSAGES WILL BE THE SAME WMO FORMAT FOR CODED
    UPPER AIR MESSAGES FROM 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 MORE 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

IF YOU HAVE QUESTIONS OR FEEDBACK...PLEASE CONTACT:
DOMINIC BOSCO
NATIONAL WEATHER SERVICE/OPS11
1325 EAST WEST HIGHWAY
SILVER SPRING MARYLAND 20910
PHONE: 301-713-1841 EXT. 123
E-MAIL: DOMINIC.BOSCO@NOAA.GOV

THIS AND OTHER NWS TECHNICAL IMPLEMENTATION NOTICES ARE AVAILABLE
AT /USE LOWER CASE LETTERS/:

HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM

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