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

FROM: KEVIN SCHRAB
CHIEF... OBSERVING SERVICES DIVISION
OFFICE OF CLIMATE WATER AND WEATHER SERVICES

SUBJECT: THIRD QUARTER 2010 DATES FOR TERMINATION OF
RADIOTHEODOLITE TRACKING /ART/ AND RADIO DIRECTION
FINDING RADIOSONDES /RDF/ INCLUDING TERMINATION OF
LORAN BASED RADIOSONDES AND TRACKING AT ALBANY
WITH INSTALLATION OF RADIOSONDE REPLACEMENT
SYSTEMS /RRS/

THE ALBANY UPPER AIR /UA/ SITE WAS ADDED TO THE RRS
SCHEDULE. THEREFORE THE TOTAL NUMBER OF UA SITES TO
UPGRADE IN THIRD QUARTER IS FOUR. OUR NEXT TECHNICAL
IMPLEMENTATION NOTICE /TIN/ WILL BE ISSUED IN MAY.

<table>
<thead>
<tr>
<th>SID</th>
<th>STATION NAME</th>
<th>OUTAGE DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>72518</td>
<td>ALBANY NY</td>
<td>12 APR 2010</td>
</tr>
<tr>
<td>72293</td>
<td>SAN DIEGO CA</td>
<td>23 APR 2010</td>
</tr>
<tr>
<td>72776</td>
<td>GREAT FALLS MT</td>
<td>14 MAY 2010</td>
</tr>
<tr>
<td>72451</td>
<td>DODGE CITY KS</td>
<td>11 JUN 2010</td>
</tr>
</tbody>
</table>

THESE UA SITES MAY BE OUT OF SERVICE FOR AS LONG AS 10
DAYS. WHEN NWS UA OBSERVATIONS RESUME THE RRS WILL BE
GATHERING METEOROLOGICAL DATA FROM GLOBAL POSITIONING
SYSTEM /GPS/ RADIOSONDES.

NWS DESCRIBES THE RRS RELEASE POINT LOCATION WITH THE
NATIONAL GEODE蒂C SURVEY /NGS/ OPUS SOLUTION. THIS IS A
DATUM COMBINATION THAT RELIES ON NORTH AMERICAN DATUM OF
1983 /NAD83/ FOR LATITUDE AND LONGITUDE WHEREAS THE RELEASE
POINT ELEVATION IS BASED ON NORTH AMERICAN VERTICAL DATUM
1988 /NAVD88/ WITH THE GEOID03 MODEL. BY CONTRAST THE GPS
RADIOSONDE FLIGHT INFORMATION OF LATITUDE AND LONGITUDE AND
ALTITUDE WILL RELY ON THE WORLD GEODE蒂C SYSTEM 1984
/WGS84/ STANDARD.

BE ADVISED PARTS OF THE UPPER AIR CODED MESSAGES WILL BE
SIGNIFICANTLY LONGER WITH RRS CONVERSION. 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 USED 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...
/USE LOWERCASE/:

HTTP://WWW.UA.NWS.NOAA.GOV

IF YOU HAVE QUESTIONS OR FEEDBACK...PLEASE CONTACT:

IVAN NAVARRO
NATIONAL WEATHER SERVICE / OPS11
1325 EAST WEST HIGHWAY
SILVER SPRING MARYLAND 20910
301-713-1843 EXT. 134
IVAN.NAVARRO@NOAA.GOV

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

HTTP://WWW.WEATHER.GOV/OS/NOTIF.HTM

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NNNN