Official Site Metadata Information

Surface Observing Instrumentation (RSOIS)
Radiosonde Replacement System (RRS)
MicroART

Attachment H

Prepared by
Sterling Field Support Center

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service/Office of Operational Systems
Field Systems Operations Center/Observing Systems Branch

Introduction

Sterling Field Support Center
Upper Air Related Equipment
Surface Observation Instrumentation

SITE SPECIFIC DATA FOR: Weather Forecast Office
Date(s) Recorded:
Survey Team:

Resident Site Specific Data: – RSOIS Site **Position information was determined using a Trimble GPS receiver model 5700.** **Estimated position error less than**	
Site Commentary	
Station Name	
Station Latitude (dd:mm:ss.sssss)	
Station Longitude (ddd:mm:ss.sssss)	
Station Elevation (MSL)	
WMO No	
WMO Region	
Station ID	
Time Zone	
Surface Observation Equipment Type	
Distance from Release Point (m)	
Surface Observation Equipment Elevation (msl)	
Surface Observation Equipment Bearing (Deg)	
Temperature Sensor	
Elevation (AGL)	
Orientation (Bearing)	
Manufacturer	
Model	
Type	
Calibration Date	
Relative Humidity Sensor	
Elevation (AGL)	
Orientation (Bearing)	
Manufacturer	
Model	
Type	
Calibration Date	
Wind Sensor	
Elevation (AGL)	
Orientation (Bearing)	
Manufacturer	
Model	
Type	
Calibration Date	

Barometer	
Elevation (MSL)	
Elevation (AGL)	
Orientation (Bearing)	
Manufacturer	
Model	
Type	
Calibration Date	

Figure 1. RSOIS Tower looking Northwest

Figure 2. Looking North from base of RSOIS Tower

Figure 3. Looking East from base of RSOIS Tower

Figure 4. Looking South from base of RSOIS Tower

Figure 5. Looking West from base of RSOIS Tower

SITE SPECIFIC DATA FOR: Weather Forecast Office
Date(s) Recorded:
Survey Team:

Resident Site Specific Data: Office – RRS Position information was determined using a Trimble GPS receiver model 5700. Estimated position error less than	
Site Commentary	
Station Name	
Station Latitude (dd:mm:ss.sssss)	
Station Longitude (ddd:mm:ss.sssss)	
Station Elevation (MSL)	
WMO No	
WMO Region	
Station ID	
Time Zone	
WBAN	
WSFO ID	
AWIPS XXX (FAA) ID	
Base Pressure (hPa)	
Release Point Latitude (dd:mm:ss.sssss)	
Release Point Longitude (ddd:mm:ss.sssss)	
Release Point Elevation (MSL)	
Release Point Pressure Correction (hPa)	
Basestation GPS Elevation (WGS84)	
Basestation GPS Elevation (MSL)	
Basestation GPS Latitude (N+/S- ddmmss.fffff)	
Basestation GPS Longitude (E+/W- dddmmss.fffff)	
TRS Elevation (m)	
TRS Latitude (N+/S- ddmmss.s)	
TRS Longitude (E+/W- dddmmss.s)	
Orientation Correction Azimuth Angle (Deg)	
Orientation Correction Elevation Angle (Deg)	
Surface Observation Equipment Type	
Distance from Release Point (m)	
Surface Observation Equipment Elevation (MSL)	
Surface Observation Equipment Bearing (Deg)	
Radiosonde Type	
Ground Receiving System	
Ground Receiving System Serial Number	
Radiosonde Tracking Method	

Barometer Height (MSL)	
Balloon Shelter Type	
Balloon Gas	
Operating Frequencies (MHz)	
Rooftop Release	
WMO Header (FZL)	
WMO Header (MAN)	
WMO Header (SGL)	
WMO Header (ABV)	
WMO Header (ULG)	
WMO Header (DD1)	
WMO Header (DD2)	
RRS Application Offline Maintenance Site Specific Data	
RRS Station ID (Kxxx)	
TRS Position Latitude (ddmmss.x)	
TRS Position Longitude (dddmmss.x)	
TRS Elevation (m)	
TRS Bearing to Baseline area - AZ	
TRS Bearing to Baseline area - El	
TRS Bearing to Release area - AZ	
TRS Bearing to Release area - El	
RWS Site Specific Data	
RWS IP Address	
RWS Computer Name	
Default Gateway	
Subnet Mask	
Preferred DNS Server	
Alternate DNS Server	
Primary AWIPS Data Type	
Primary AWIPS Data Phone No.	
Primary AWIPS Data Server IP	
Primary AWIPS User Name	
Back Up 1 AWIPS Data Type	
Back Up 1 AWIPS Data Phone No.	
Back Up 1 AWIPS Data Server IP	
Back Up 1 AWIPS User Name	
Back Up 2 AWIPS Data Type	
Back Up 2 AWIPS Data Phone No.	
Back Up 2 AWIPS Data Server IP	
Back Up 2 AWIPS User Name	
Back Up 3 AWIPS Data Type	
Back Up 3 AWIPS Data Phone No.	
Back Up 3 AWIPS Data Server IP	
Back Up 3 AWIPS User Name	

GPS Repeater Site Specific Data	
GPS Repeater Amplifier Gain Setting	
TRS Adjustable Coefficients	
cc@0	
cc@1	
ccv	
cci	
cm@0	
cm@1	
cmv	
aai	
aei	
cs@0	
cr@0	
cr@1	
cr@2	
cr@3	
crv	
cris	
crqs	
crqo	
crcd	
crc0	
crqd	
crqc	
crqr	
crd	
cro	
crlo1	
crlo2	
crlo3	
cl@0	
cl@1	
clbv	
clbf	
clv	
cl1	
c2@0	
c2@1	
c2bv	
c2bf	
c2v	
c2l	
TRS Site Specific Coefficients	

ccsf	
ccsq	
ccsa	
ccse	
cma	
cmu	
cmn	
cmoa	
cmoe	
cmia	
TRS Special Coefficients for Scanner/LNA Modifications	
crqw	
crql	

Figure 6. Looking North from designed release area

Figure 7. Looking East from designed release area

Figure 8. Looking South from release area

Figure 9. Looking West from release area

SITE SPECIFIC DATA FOR: Weather Forecast Office
Date(s) Recorded:
Survey Team:

Resident Site Specific Data: –MicroART **Position information was determined using a Trimble GPS receiver model 5700.** **Estimated position error less than**	
Site Commentary	
Station Name	
Station Latitude (dd:mm:ss.sssss)	
Station Longitude (ddd:mm:ss.sssss)	
Station Elevation (msl)	
WMO No	
WMO Region	
Station ID	
Time Zone	
WBAN	
Base Pressure (hPa)	
Release Point Latitude (dd:mm:ss.sssss)	
Release Point Longitude (ddd:mm:ss.sssss)	
Release Point Elevation (msl)	
Release Point Pressure Correction (hPa)	
Target Antenna Azimuth Angle (deg)	
Target Antenna Elevation Angle (deg)	
MicroART Elevation (m)	
MicroART Latitude (N+/S- ddmmss.s)	
MicroART Longitude (E+/W- dddmmss.s)	
Orientation Correction Azimuth Angle (Deg)	
Orientation Correction Elevation Angle (Deg)	
Surface Observation Equipment Type	
Distance from Release Point (m)	
Surface Observation Equipment Elevation (MSL)	
Surface Observation Equipment Bearing (Deg)	
Radiosonde Type	
Ground Receiving System	
Radiosonde Tracking Method	
Barometer Height (MSL)	
Balloon Shelter Type	
Balloon Gas	
Operating Frequencies (MHz)	
Rooftop Release	

WMO Header (FZL)	
WMO Header (MAN)	
WMO Header (SGL)	
WMO Header (ABV)	
WMO Header (ULG)	
WMO Header (DD1)	
WMO Header (DD2)	
Host Computer	

Figure 10. Looking North from base of elevated MicroART system

Figure 11. Looking East from base of elevated MicroART system

Figure 12. Looking South from base of elevated MicroART system

Figure 13. Looking West from base of elevated MicroART system