

**OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT**  
January 2000

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The Preston site was removed on 20 January due to repeated vandalism that has occurred there.

Other vandalism incidents:

4 January: A149 TAIR and RELH sensor damaged 16 January: CHIC WS2M stolen and datalogger damaged.

Many improvements were made in January to our soil moisture data. 6 stations had their faulty sensors replaced or repaired during the month.

<b>Mesonet QA Report for Standard Variables</b>	
<b>TAIR</b>	Current: Resolved:
<b>RELH</b>	Current: Resolved:
<b>WDIR</b>	Current: <b>#4338 MARS Sensor reporting 180 degrees out of phase on numerous occasions</b> Resolved:
<b>WSPD</b>	Current: <b>#4832 EUFA Sensor consistently 1-2 m/s slower than WS2M and is local minimum compared to neighbors</b> Resolved:
<b>PRES</b>	Current: <b>#4118 CHEY No barometer hole drilled, sensor is detecting pressure inside enclosure</b> <b>#4680 BBOW Observed 32 barometer errors, probably a lose wire</b> <b>#4801 MTHE Observed 75 barometer errors, probably a lose wire</b> Resolved:
<b>SRAD</b>	Current: <b>#4831 MIAM PM SRAD is consistently 50 W/m<sup>2</sup> higher than neighbors</b> Resolved:
<b>RAIN</b>	Current: <b>#4830 ANTL Site received double the rainfall as neighbors in January. Gauge may be double-tipping again.</b> Resolved:
<b>TA9M</b>	Current: Resolved:
<b>WS2M</b>	Current: <b>#4769 CHIC Replaced stolen sensor</b> Resolved:

<b>TS10</b>	Current: Resolved:
<b>TB10</b>	<b>Current: #4818 STIG Sensor has 15 C warm bias</b> Resolved:
<b>TS05</b>	<b>Current: #4834 FORA Sensor does not agree with other soil levels</b> Resolved:
<b>TB05</b>	Current: Resolved:
<b>TS30</b>	<b>Current: #3147 TIPT Corrected wiring problem</b> Resolved:

<b>ARS QA Report</b>	
<b>TAIR</b>	Current: <b>Resolved: #4670 A149 Replaced vandalized sensor</b>
<b>RELH</b>	Current: <b>Resolved: #4669 A149 Replaced vandalized sensor</b>
<b>SRAD</b>	<b>Current: #3836 A130 Mesocomp found sensor 7% low</b> <b>Current: #3837 A151 Mesocomp found sensor 7% low</b> Resolved:
<b>RAIN</b>	Current: Resolved:
<b>TS05</b>	Current: Resolved:
<b>TS10</b>	Current: Resolved:
<b>TS15</b>	Current: Resolved:
<b>TS30</b>	Current: Resolved:

“Current” tickets are the unresolved tickets as of the last day of the month OR those tickets added based on the Monthly QA analysis.

“Resolved” tickets are the sensor problems that were fixed during the entire month.

<b>Variable</b>	<b>Description</b>
TAIR	Air temperature measured at 1.5 meters
RELH	Relative humidity measured at 1.5 meters
WDIR	Wind direction measured at 10 meters
WSPD	Wind speed measured at 10 meters
PRES	Pressure
SRAD	Incident solar radiation
RAIN	Rainfall
TA9M	Air temperature measured at 9 meters
WS2M	Wind speed measured at 2 meters
TS10	Soil temperature measured at 10 cm under native sod
TB10	Soil temperature measured at 10 cm under bare soil
TS05	Soil temperature measured at 5 cm under native sod
TB05	Soil temperature measured at 5 cm under bare soil
TS15	Soil temperature measured at 15 cm under native sod
TS30	Soil temperature measured at 30 cm under native sod