

**OKLAHOMA MESONET QUALITY ASSURANCE REPORT**  
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Welcome to the first (late) installment of the monthly QA report under the regime of Jeff Basara. I hope that I can complete my responsibilities as QA Manager as well as those who have gone ahead of me.

Well enough already with the poetical jargon, it's time for the good stuff. It would appear that the Mesonet continues to roll on with little in the way of problems. WEBB is back on line with a new array of sensors after its vandalism incident. With the exception of a few minor sensor problems, all is well across the state.

On to the sensors...

<b>Mesonet QA Report for Standard Variables</b>	
<b>TAIR</b>	Current: <b>Resolved: #1162 WEBB Sensor Replaced.</b> <b>Resolved: #1107 BBOW Ticket Dismissed - No need to replace inst</b> <b>Resolved: #1108 NORM " " " " " " "</b> <b>Resolved: #1109 NOWA " " " " " " "</b> <b>Resolved: #1110 WEBB " " " " " " "</b> <b>Resolved: #1178 PUTN Excite wire broken</b>
<b>RELH</b>	<b>Current: #1139 TIPT MAX RH up to 107.3%</b> <b>Resolved: #1163 WEBB Sensor Replaced</b>
<b>WDIR</b>	Current: Resolved:
<b>WSPD</b>	Current: <b>Resolved: #1166 ACME Replaced (loud bearings)</b>
<b>PRES</b>	<b>Current: #1177 WYNO erratic Pressure Readings for an extended period of time</b> <b>Resolved: #1167 CHEY Found small bug in brass nipple. He/she was blocking air flow</b>
<b>SRAD</b>	Current: Resolved:
<b>RAIN</b>	<b>Current: #1116 BOWL Drip test produced only 41 tips (too low). Bucket has internal H2O</b> <b>Resolved: #1092 SALL Bearing failure - temporary fix. Calibration Questionable</b> <b>Resolved: #1170 MTHE Ticket dismissed due to technical misunderstanding</b> <b>Resolved: #1171 SALL " " " " " " "</b> <b>Resolved: #1146 COPA Installed at 27". Drip test = 50 tips</b> <b>Resolved: #1181 WEBB " " " " " " " . No drip test, too dark</b> <b>Resolved: #1145 BUTL Replaced due to temporary field rotation</b>
<b>TA9M</b>	<b>Current: #1126 HUGO QA continues to indicate sensor reads too cool</b>

	<b>Resolved: #1182 WEBB Replaced to match TA15</b> <b>Resolved: #1158 PUTN Bad spot on heat sink could cause a short</b>
<b>WS2M</b>	<b>Current: #1129 Temporary Fix after vandalism. Please replace when possible</b> <b>Resolved: #1164 WEBB Replaced stolen sensor</b>
<b>TS10</b>	<b>Current: #1172 MIAM Short-lived erratic readings</b> <b>Current: #1193 STUA QA suggests a ~3 degree warm bias</b> <b>Resolved:</b>
<b>TB10</b>	<b>Current:</b> <b>Resolved: #1580 TIPT Sensor malfunctioning due to bad mux channel</b>
<b>TS05</b>	<b>Current: #967 NORM QA shows ~4 degree warm bias.</b> <b>Current: #1149 MARE Sensor Stopped reporting</b> <b>Current: #1174 MIAM Short-lived erratic readings</b> <b>Current: #1190 MADI QA suggests a ~3 degree warm bias</b> <b>Current: #1191 CALV QA suggests a ~3 degree warm bias</b> <b>Current: #1192 STUA QA suggests a ~3 degree warm bias</b> <b>Resolved: #1161 CHER Stopped working during soil moisture install</b>
<b>TB05</b>	<b>Current: #1127 OKEM QA suggests ~2-3 degrees warm bias</b> <b>Current: #1169 KING QA suggests ~4 degree warm bias</b> <b>Current: #1175 MIAM Short-lived erratic readings</b> <b>Resolved: #1157 Not wired correctly during soil moisture install</b>
<b>TS30</b>	<b>Current: #1176 MIAM Short-lived erratic readings</b> <b>Resolved:</b>

“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
TS30	Soil temperature measured at 30 cm under native sod