

OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT
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Overall, it was a pretty good month for the Oklahoma Mesonet. The fun will be next month's report. The monthly objective analysis revealed a quasi-front stretching across portions of Southwest Oklahoma. A tight gradient existed in the region for both TAIR and RELH, and the wind direction showed convergence with winds in a northerly direction to the west of the gradient and easterly winds to the east of the gradient.

After a few months of below average precipitation statewide, the sky opened and the rains came.

The ARS QA is now available at the bottom of this page. This will be a regular occurrence beginning this month.

Mesonet QA Report for Standard Variables	
TAIR	Current: Resolved:
RELH	Current: #1194 CHEY Sensor readings dropped to ~3% Current: #1196 IDAB Sensor not reporting Resolved: #1194 CHEY Sensor replaced
WDIR	Current: Resolved:
WSPD	Current: Resolved:
PRES	Current: #1177 WYNO Erratic Pressure Readings Resolved: #1188 MARS Barometer moved to battery box
SRAD	Current: Resolved:
RAIN	Current: #1116 BOWL Drip test yielded only 41 tips (50 typical). Bucket had internal H2O Current: #1197 PUTN Possible Mechanical inhibition. Spatial analysis revealed a major discrepancy in precipitation Current: #1198 MEDF Possible Mechanical inhibition. Spatial analysis revealed a major discrepancy in precipitation Resolved: #1154 KENT Drip test gave 51 tips Resolved: #1155 BOIS Drip test gave 48 tips Resolved: #1185 ANTL Drip test gave 56 tips Resolved: #1199 HOBA Gauge found plugged with dirt and grass
TA9M	Current: #1126 HUGO QA repeatedly indicates sensor may read ~2-3 degrees cool Resolved: #1209 WEBB Caps on sensor removed

WS2M	Current: #1129 PRES Temporary fix after vandalism Resolved: #1203 NPIT Replaced stolen wind sentry
TS10	Current: #1168 MARE Became stuck @ 5.5 degrees, then stopped reporting Current: #1193 STUA QA suggests a ~3 degree warm bias Resolved: #1172 MIAM Tightened MUX wires
TB10	Current: #1076 WALT Began drifting and then failed range test Current: #1189 WYNO QA suggests a ~3 degree warm bias Current: #1200 TALI Sensor reading nearly ~10 degrees warmer than it's neighbors Resolved: #1173 MAIM Tightened MUX wires
TS05	Current: #1089 MADI QA suggests sensor reading ~5-6 degrees warm Current: #967 NORM QA suggests sensor reading ~4 degrees warm Current: #1190 MADI QA suggests sensor reading ~3 degrees warm Current: #1191 CALV QA suggests sensor reading ~3 degrees warm Current: #1192 STUA QA suggests sensor reading ~3 degrees warm Current: #1206 LANE Sensor reading ~10+ degrees warmer than neighboring sites Resolved: #TS05 ANTL Cable chewed by underground critter Resolved: #1174 MIAM Tightened MUX wires
TB05	Current: #1127 OKEM QA repeatedly indicates sensor may read ~2-3 degrees cool Current: #1169 KING QA suggests sensor reading ~3 degrees warm Resolved: #1175 MIAM Tightened MUX wires
TS30	Current: Resolved: #1176 MAIM Tightened MUX wires

ARS QA Report	
TAIR	Current: Resolved:
RELH	Current: Resolved: #1204 A123 Sensor Replaced
SRAD	Current: #1132 A182 QA suggests sensor ~30% high Resolved:
RAIN	Current: Resolved:
TS05	Current: Resolved:
TS10	Current: Resolved:

TS15	Current: #1136 A182 QA suggests a ~6 degree warm bias Resolved:
TS30	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.

Variable	Description
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