

OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT
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| Mesonet QA Report for Standard Variables | |
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| TAIR | Current: Resolved: |
| RELH | Current: #5084 WAUR Sensor found to be 7% high during Spring Pass 2000 comparison Resolved: #5140 MAYR Replaced sensor exceeding 103% |
| WDIR | Current: Resolved: |
| WSPD | Current: Resolved: #5158 MADI Replaced sensor due to noisy bearings Resolved: #5195 SALL Replaced sensor due to noisy bearings |
| PRES | Current: Resolved: #5086 RETR Replaced sensor with high bias |
| SRAD | Current: #5070 HOOK Sensor found to be 6.5% high during Spring Pass 2000 comparison Current: #5072 KETC Monthly QA indicates 5-10% high bias Current: #5091 WIST Sensor found to be 5.5% low during Spring Pass 2000 comparison Current: #5097 BESS Sensor found to be 10% high during Spring Pass 2000 comparison Current: #5099 MEDF Sensor found to be 8% low during Spring Pass 2000 comparison Current: #5101 WALT Sensor found to be 10% low during Spring Pass 2000 comparison Current: #5111 GOOD Sensor found to be 6.7% high during Spring Pass 2000 comparison Current: #5115 FREE Sensor found to be 6% high during Spring Pass 2000 comparison Current: #5159 FAIR Sensor stuck at 0 Resolved: #5079 WASH Replaced sensor with high bias |
| RAIN | Current: #5208 MTHE Gauge double-tipping on one side Resolved: #5078 BURN Removed spider web that was clogging gauge Resolved: #5098 BESS Replaced gauge that was found to be double-tipping on one side of bucket during Spring Pass 2000 test Resolved: #5162 TAHL Replaced gauge that was found to be double-tipping Resolved: #5183 CHAN Replaced suspect switch Resolved: #5184 BOWL Replaced switch found to be double-tipping Resolved: #5185 TIPT Replaced gauge despite 4 successful drip tests because site has had longest dry period |

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| | Resolved: #5188 VINI Replaced gauge found to be double-tipping on one side Resolved: #5202 SKIA Replaced gauge found to double-tip occasionally |
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| TA9M | Current: Resolved: |
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| WS2M | Current: Resolved: #5141 DURA Replaced sensor reporting constant 0 m/s |
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| TS10 | Current: #5178 MADI Sensor sporadically reports +5 C offset Current: #5199 DURA Sensor reporting sporadically and 8 C warm Resolved: |
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| TB10 | Current: Resolved: #5179 SALL Replaced bad sensor Resolved: #5200 GRA2 Repaired cracked ground over bare plot |
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| TS05 | Current: #5194 FAIR Sensor has 5 C cool bias since lightning strike Resolved: |
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| TB05 | Current: #5187 DURA Sensor stuck at -273.1 C Resolved: #5201 GRA2 Repaired cracked ground over bare plot |
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| TS30 | Current: Resolved: |
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| ARS QA Report | |
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| TAIR | Current: #5180 A182 Sensor found to be 2.5 C warm during ARS pass Resolved: |
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| RELH | Current: Resolved: |
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| SRAD | Current: Resolved: |
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| RAIN | Current: Resolved: |
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| TS05 | Current: #5181 A132 Monthly QA indicates 4 C warm bias during all times of day Current: #5203 A167 Sensor reporting erratically and has 10 C warm bias Resolved: |
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| TS10 | Current: #5182 A167 Monthly QA indicates 4 C warm bias during all times of day Resolved: |
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| TS15 | Current: Resolved: |
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| TS30 | Current: #5157 A165 Reporting erratic observations Resolved: |
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“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 |