

OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT

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The Mesonet Technicians are beginning their Spring Pass of all Mesonet and ARS stations. All sites will be visited over the next 2 months to perform routine maintenance, along with point data comparisons of many parameters. In addition, site photos are being taken to document ground cover and a new procedure is being performed to recalibrate our site elevations via test barometers.

| Mesonet QA Report for Standard Variables | |
|---|--|
| TAIR | Current: Resolved: |
| RELH | Current: #4947 ELRE Sensor reporting over 106% during high humidity Current: #4948 MAYR Sensor dropping to 0% Resolved: #4927 WASH Replaced sensor with 1 C high TDEW bias |
| WDIR | Current: Resolved: |
| WSPD | Current: Resolved: #4863 WOOD Replaced sensor suspected of low bias |
| PRES | Current: #4940 FTCB Sensor stuck at 956.0 mb Resolved: #4920 ACME Barometer tested ok, site elevation recalibrated Resolved: #4921 JAYX Barometer tested ok, site elevation recalibrated |
| SRAD | Current: Resolved: #4924 WIST Replaced sensor with low bias Resolved: #4925 COPA Replaced sensor with low bias Resolved: #4926 MIAM Replaced sensor with high bias |
| RAIN | Current: Resolved: #4923 JAYX Removed debris from funnel |
| TA9M | Current: Resolved: #4902 BYAR Replaced sensor and removed mud-dobber nest from shield |
| WS2M | Current: Resolved: |
| TS10 | Current: Resolved: #4914 SEIL Corrected wiring problem Resolved: #4915 WEST Corrected wiring problem |
| TB10 | Current: |

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|-------------|---|
| | Resolved: #4913 SEIL Corrected wiring problem Resolved: #4944 ANTL Corrected erosion problem |
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| TS05 | Current: #4953 SALL Check for possible wiring problem Resolved: #4916 WEST Corrected wiring problem |
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| TB05 | Current: #4928 MEDF Possible erosion due to high afternoon bias Resolved: #4872 WYNO Corrected erosion problem Resolved: #4922 ANTL Corrected erosion problem |
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| TS30 | Current: Resolved: |
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| ARS QA Report | |
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| TAIR | Current: Resolved: |
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| RELH | Current: Resolved: |
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| SRAD | Current: #3836 A130 Mesocomp found sensor 7% low Current: #3837 A151 Mesocomp found sensor 7% low Resolved: |
| | |
| RAIN | Current: Resolved: #4903 A110 Replaced rusty switch Resolved: #4908 A135 Replaced stuck switch |
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| TS05 | Current: Resolved: |
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| TS10 | Current: #4949 A151 Sensor jumping erratically from -273 to 70 C Resolved: |
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| TS15 | Current: Resolved: |
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| TS30 | Current: 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 |