

# OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT

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The Catoosa station (CATO) was decommissioned on April 19 due to poor site exposure and the end of the EPSCOR project.

| <b>Mesonet QA Report for Standard Variables</b> |   |
|---|---|
| <b>TAIR</b>                                     | Current:<br>Resolved: # 5525 HUGO Replaced erratic sensor   |
| <b>RELH</b>                                     | Current:<br>Resolved:   |
| <b>WDIR</b>                                     | Current: # 5590 BURB Sensor reporting out of phase<br>Resolved:   |
| <b>WSPD</b>                                     | Current:<br>Resolved:   |
| <b>PRES</b>                                     | Current:<br>Resolved: # 5588 BBOW Replaced plugged-up barometer   |
| <b>SRAD</b>                                     | Current:<br>Resolved: # 5519 MEDF Replaced sensor with low bias   |
| <b>RAIN</b>                                     | Current:<br>Resolved: # 5511 HUGO Replaced gauge that occasionally double tips<br>Resolved: # 5592 HASK Replaced bad switch   |
| <b>TA9M</b>                                     | Current:<br>Resolved:   |
| <b>WS2M</b>                                     | Current:<br>Resolved: # 5623 BBOW Replaced sensor with noisy bearings   |
| <b>TS10</b>                                     | Current: # 5589 BURB Sensor has erratic 10 C warm bias<br>Resolved: # 5556 EUFA Replaced suspect sensor   |
| <b>TB10</b>                                     | Current:<br>Resolved: # 5518 MEDF Replaced sensor with 3 C warm bias<br>Resolved: # 5553 NORM Repaired erosion problem<br>Resolved: # 5558 EUFA Replaced suspect sensor |
| <b>TS05</b>                                     | Current:<br>Resolved: # 5194 FAIR Replaced lightning-damaged sensor<br>Resolved: # 5557 EUFA Replaced suspect sensor  |

|             |   |
|-------------|---|
| <b>TB05</b> | <b>Current:</b><br><b>Resolved: # 5515 STIG Replaced erratic sensor</b><br><b>Resolved: # 5547 NORM Repaired erosion problem</b><br><b>Resolved: # 5559 EUFA Replaced suspect sensor</b><br><b>Resolved: # 5570 BREC Repaired erosion problem</b> |
| <b>TS30</b> | <b>Current:</b><br><b>Resolved: # 5517 EUFA Replaced suspect sensor</b>   |

| <b>ARS QA Report</b> |                                     |
|----------------------|-------------------------------------|
| <b>TAIR</b>          | <b>Current:</b><br><b>Resolved:</b> |
| <b>RELH</b>          | <b>Current:</b><br><b>Resolved:</b> |
| <b>WDIR</b>          | <b>Current:</b><br><b>Resolved:</b> |
| <b>SRAD</b>          | <b>Current:</b><br><b>Resolved:</b> |
| <b>RAIN</b>          | <b>Current:</b><br><b>Resolved:</b> |
| <b>TS05</b>          | <b>Current:</b><br><b>Resolved:</b> |
| <b>TS10</b>          | <b>Current:</b><br><b>Resolved:</b> |
| <b>TS15</b>          | <b>Current:</b><br><b>Resolved:</b> |
| <b>TS30</b>          | <b>Current:</b><br><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   |
| TS15            | Soil temperature measured at 15 cm under native sod |
| TS30            | Soil temperature measured at 30 cm under native sod |