

OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT
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Rotations of the wind speed sensors are coming to a close. Most all Mesonet sites have had their nose cones replaced. Pyranometers are now beginning to be rotated statewide. Most stations should have newly calibrated pyranometers by the end of the summer.

Mesonet QA Report for Standard Variables	
TAIR	Current: Resolved:
RELH	Current: # 5639 NINN Sensor reporting many small spikes and dips not observed at nearby A122 Current: # 5707 ALTU Sensor stuck at 10-15% Resolved:
WDIR	Current: Resolved: # 5590 BURB Repaired erroneous WDIR by fixing TA15 port
WSPD	Current: Resolved: # 5673 CALV Replaced sensor with noisy bearings
PRES	Current: Resolved: # 5644 CLAY Replaced bad barometer
SRAD	Current: Resolved:
RAIN	Current: # 5666 GOOD Gauge missed rain event Resolved: # 5662 BURB Replaced bad switch Resolved: # 5698 CLAY Replaced bad switch
TA9M	Current: # 5658 MIAM Sensor reporting 20 C cool bias Resolved: 5658 MIAM Sensor reporting 20 C cool bias
WS2M	Current: Resolved: # 5664 MARE Replaced sensor with noisy bearings Resolved: # 5670 EUFA Replaced sensor with noisy bearings Resolved: # 5676 CALV Replaced sensor with noisy bearings Resolved: # 5685 CLAY Replaced sensor with dirty bearings
TS10	Current: Resolved: # 5589 BURB Repaired erratic readings by fixing TA15 port
TB10	Current: # 5665 APAC Sensor reporting 10 C warm bias Resolved:

TS05	Current: Resolved:
TB05	Current: Resolved:
TS30	Current: Resolved:

ARS QA Report	
TAIR	Current: Resolved:
RELH	Current: Resolved:
WDIR	Current: Resolved:
SRAD	Current: Resolved:
RAIN	Current: # 5669 B123 Gauge reported rain in excess of 8 inches Resolved:
TS05	Current: Resolved:
TS10	Current: # 5671 A125 New sensor (installed via trouble ticket #5634) is also reporting erratic obs Resolved: # 5634 A125 Replaced bad sensor
TS15	Current: Resolved:
TS30	Current: # 5727 A135 Monthly QA indicates 4 C cool bias 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