

OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT
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It was recently discovered that an error occurred while sending this report a couple of weeks ago. Therefore, most of you never received it. I apologize for this delay.

February turned out to be another mild month weather-wise. Average 1800 UTC temperatures were about 50 F for the month -- not bad for February. The northern 1/3 of the state was quite dry with most stations there reporting less than 1 inch of accumulated rainfall for the month. This contrasts with many 3+ inch totals observed at the southwest and southeast Oklahoma sites.

The monthly averaged fields for February looked quite smooth. They did, however, seem to indicate a slight pressure bias at WEBB and a TS30 bias at A181.

7 T/RH sensors were replaced across the ARS and MESOnetworks after biases were found by on-site meso-comparison tests. The TB10 sensor at MCAL was stolen by a gopher in early February. No arrests have been made at this time.

Mesonet QA Report for Standard Variables	
TAIR	Current: #1694 ALVA Temperature fell to -64 C Resolved:
RELH	Current: #1669 MADI RH sensor reporting -7999 on 3 occasions Resolved: #1690 CENT Test probe showed 7% RH error; replaced Resolved: #1691 MCAL Test probe showed 5.4% RH error; replaced
WDIR	Current: Resolved:
WSPD	Current: Resolved:
PRES	Current: #1702 WEBB Monthly QA indicates 0.6 - 1.0 mb bias Resolved:
SRAD	Current: #1695 ALVA values dropping well below 0 Resolved:
RAIN	Current: Resolved:
TA9M	Current: Resolved:
WS2M	Current: Resolved:

TS10	Current: Resolved: #1604 BLAC Replaced to correct suspected warm bias Resolved: #1679 ARNE Replaced after sudden drop in temp. reported
TB10	Current: Resolved: #1676 MCAL Replaced after gopher stole probe
TS05	Current: Resolved:
TB05	Current: Resolved: #1605 MEDI Old sensor too shallow; replaced
TS30	Current: Resolved:

ARS QA Report	
TAIR	Current: Resolved:
RELH	Current: Resolved: #1659 A181 RH reporting above 100%; replaced Resolved: #1678 A131 Test probe showed 1.2C Td error; replaced Resolved: #1681 A146 Test probe showed 1.5C Td error; replaced Resolved: #1682 A145 Test probe showed 1.8C Td error; replaced Resolved: #1683 A136 Test probe showed 2.6C Td error; replaced
SRAD	Current: #1606 A123 Monthly plots show about 75 W/m2 too low Resolved: #1668 A131 Sensor inspected and tested ok
RAIN	Current: Resolved: #1693 A168 Spider and webs cleaned out
TS05	Current: Resolved:
TS10	Current: Resolved:
TS15	Current: Resolved:
TS30	Current: #1701 A181 Long term QA indicates 2-4 C warm 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