

OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT
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Mesonet QA Report for Standard Variables	
TAIR	Current: Resolved:
RELH	Current: #2151 RING Sensor sporadically reporting data spikes Current: #2295 PAWN Sensor damaged by storm Current: #2376 KING 2 C warm TDEW bias suspected Current: #2377 MAYR 1.5 C low TDEW bias suspected Current: #2394 BRIS Data sporadically drops to less than 10% RH Current: #2486 ALV2 Sensor reporting constant 0% RH Resolved: #2297 CHIC Replaced sensor stuck at 0% RH
WDIR	Current: #2276 BBOW Sensor possibly sticking during low winds Current: #2393 CHER Sensor reporting easterly winds during periods of strong westerlies Resolved:
WSPD	Current: Resolved: #2407 NORM Tightened wires at site to remedy false wind observations of 0 m/s Resolved: #2408 NOWA Replaced nose cone to fix sticking
PRES	Current: #2441 GUTH Sensor reported 40 mb drop in 12 h Current: #2442 WEAT Sensor reported 80 mb drop in 12 h Current: #2487 OILT Sensor reporting long-duration data dips of as much as 80 mb daily Resolved:
SRAD	Current: #2440 WALT Sensor reporting numerous data spikes daily Current: #2501 CHIC Sensor reporting recurrent data dips to 0 W/m during daytime hours Resolved:
RAIN	Current: #2405 ANTL Gauge suspected to be double-tipping Resolved:
TA9M	Current: #2326 CLAY Sensor stuck at -459 C Resolved:
WS2M	Current: Resolved:
TS10	Current: #2188 HINT Long-term QA indicates 1-2 C cool bias Current: #2234 MINC Monthly QA indicates 5-10 C warm bias

	Current: #2260 BOWL Sensor reporting data spikes and 5 C warm bias Resolved: #2434 SEIL Repaired wiring problem
TB10	Current: #2213 GUTH Long-term QA indicates 10 C warm bias Resolved: #2433 SEIL Repaired wiring problem Resolved: #2329 IDAB Replaced sensor with warm bias Resolved: #2325 MARE Sensor tested fine during site visit
TS05	Current: #2187 HINT Long-term QA indicates 1-2 C cool bias Resolved: #2432 SEIL Repaired wiring problem
TB05	Current: Resolved: #2435 SEIL Repaired wiring problem Resolved: #2328 HOBA Rock in soil causing erroneous sensor depth; removed rock and re-installed sensor
TS30	Current: #2184 FTCB Long-term QA indicates 1-2 C warm bias Current: #2274 SALL Sensor damaged by lightning Current: #2391 HOLL Reporting 15 C warm bias Resolved:

ARS QA Report	
TAIR	Current: Resolved:
RELH	Current: #2539 A149 Monthly QA indicates 1.0 C low TDEW bias Resolved:
SRAD	Current: Resolved:
RAIN	Current: Resolved: #2296 A148 Replaced bad switch
TS05	Current: #2438 A155 Sensor biased 10 C warm Resolved:
TS10	Current: Resolved:
TS15	Current: Resolved:
TS30	Current: 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