OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT

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	Mesonet QA Report for Standard Variables
TAIR	**Current: #5323 TIPT Sensor has 6 C high bias** Resolved:
RELH	**Current: #5293 CATO Reporting 105% or higher** **Current: #5316 WEBB Reporting 40% low bias** **Current: #5332 MEDI Monthly QA indicates 5% high bias** **Resolved: #5264 WEBB Replaced sensor with 5-10% high bias**
WDIR	Current: Resolved:
WSPD	Current: Resolved:
PRES	Current: Resolved:
SRAD	**Current: #5070 HOOK Sensor found to be 6.5% high during Spring Pass 2000 comparison** **Current: #5072 KETC Monthly QA indicates 5-10% high bias** **Current: #5091 WIST Sensor found to be 5.5% low during Spring Pass 2000 comparison** **Current: #5097 BESS Sensor found to be 10% high during Spring Pass 2000 comparison** **Current: #5099 MEDF Sensor found to be 8% low during Spring Pass 2000 comparison** **Current: #5101 WALT Sensor found to be 10% low during Spring Pass 2000 comparison** **Current: #5111 GOOD Sensor found to be 6.7% high during Spring Pass 2000 comparison** **Current: #5115 FREE Sensor found to be 6% high during Spring Pass 2000 comparison** **Current: #5159 FAIR Sensor stuck at 0** Resolved:
RAIN	**Current: #5297 BREC Under-reported rain event** **Resolved: #5272 BLAC Replaced bad switch** **Resolved: #5277 STIL Gauge checked and no problem found after apparent under-reporting** **Resolved: #5278 BRIS Removed spider web that prevented gauge from tipping** **Resolved: #5296 KETC Replaced bad gauge** **Resolved: #5314 ACME Replaced bad switch**

TA9M	Current: Resolved:
WS2M	Current: Resolved:
TS10	**Current: #5178 MADI Sensor sporadically reports +5 C offset** **Current: #5281 FTCB Stuck at -273.1 C** **Resolved: #5279 BIXB Sensor found to have 1 C cool bias**
TB10	**Current: #5216 PUTN Sensor erratic and dropping to as low as -17.2 C** **Current: #5282 FTCB Stuck at -273.1** **Resolved: #5261 WEST Repaired excitation wire**
TS05	**Current: #5194 FAIR 5 C cool bias** **Current: #5283 FTCB Stuck at -273.1 C** **Resolved: #5262 BRIS Sensor found to have 5 C cool bias** **Resolved: #5263 BIXB Sensor found to have 2 C warm bias**
TB05	**Current: #5215 PUTN Sensor erratic and dropping to as low as -87.5 C** **Current: #5284 FTCB Stuck at -273.1 C** Resolved:
TS30	**Current: #5285 FTCB Stuck at -273.1 C** **Current: #5301 WASH 9 C warm bias** **Resolved: #5273 APAC Replaced gopher-damaged sensor**

	ARS QA Report
TAIR	Current: **Resolved: #5180 A182 Replaced sensor with 2.5 C warm bias**
RELH	Current: Resolved:
SRAD	**Current: #5255 A151 Mesocomp found 6% difference** **Current: #5294 A166 Stuck at 1 W/m^2** Resolved:
RAIN	**Current: #5319 A182 Dramatically over-estimates rainfall** **Current: #5325 A156 Gauge appears to have over reported** **Current: #5324 A151 Gauge stuck at 0 during rain event** **Resolved: #5295 A155 Replaced switch found to be double tipping** **Resolved: #5232 A150 Replaced defective switch**
TS05	Current: **Resolved: #5243 A136 Replaced defective sensor** **Resolved: #5265 A135 Replaced sensor reporting erratically**

TS10	**Current: #5267 A111 Possible 3 C cool bias** **Resolved: #5266 A165 Corrected wiring problem**
TS15	**Current: #5318 A167 Stuck at -90 C** Resolved:
TS30	Current: **Resolved: #5157 A165 Replaced bad sensor**

"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