OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT

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The influence of the western Oklahoma winter wheat crops was reflected strongly in November's monthly-averaged temperature fields. Temperatures in the wheat-field counties were a solid 1-2 C cooler on average than adjacent counties.
The anomaly was also present in the 9-m temperature field, thanks to the increased coverage of stations with 9-m sensors from OASIS.

	Mesonet QA Report for Standard Variables
TAIR	**Current: #4376 GOOD Sensor stuck at -53.4 C** Resolved:
RELH	**Current: #4375 GOOD Sensor stuck at 0%** Resolved:
WDIR	**Current: #4338 MARS Sensor reporting 180 degrees out of phase on numerous occasions** **Current: #4378 MTHE Sensor stuck at 0 degrees** **Resolved: #4233 BBOW Replaced sensor due to suspect windspeed**
WSPD	**Current: #4377 MTHE Sensor stuck at 0 m/s** **Resolved: #2736 BBOW Replaced sensor due to suspect windspeed**
PRES	**Current: #4118 CHEY No barometer hole drilled, sensor is detecting pressure inside enclosure** Resolved:
SRAD	**Current: #3361 ALTU Monthly QA indicates sensor is reporting ~50 W/m^2 low** **Resolved: #4053 LANE Replaced sensor with low bias**
RAIN	**Current: #4339 TAHL Gauge stuck at 0.0 mm** **Current: #4361 HOLL Gauge tipped 66 times instead of 50 times during drip test** **Resolved: #3840 COPA Replaced bad switch** **Resolved: #3841 NINN Repaired dirt-clogged gauge** **Resolved: #4056 VANO Replaced bad switch**
TA9M	Current: Resolved:
WS2M	**Current: #3670 MEDI Sensor at improper height** **Current: #4296 PORT Sensor stuck at 0.0 m/s** **Current: #4342 PRES Sensor stuck at 0.0 m/s** Resolved:
TS10	**Current: #3003 HOBA Sensor biased 20 C warm** **Current: #4486 WOOD Sensor appears to be cross-wired** **Current: #4490 SLAP Sensor appears to be cross-wired**

	Resolved: #3001 ADAX Replaced sensor damaged by gopher **Resolved: #3019 FTCB Re-wired sensor with sporadic reports below -100.0 C** **Resolved: #4234 BRIS Replaced lightning-damaged sensor**
TB10	**Current: #4487 WOOD Sensor appears to be cross-wired** **Resolved: #3963 FTCB Re-wired sensor stuck below -100.0 C.** **Resolved: #4235 BRIS Replaced lightning-damaged sensor**
TS05	**Current: #2604 HOBA Sensor stuck at -273.1 C** **Current: #4488 WOOD Sensor appears to be cross-wired** **Resolved: #4236 BRIS Replaced lightning-damaged sensor**
TB05	**Current: #4489 WOOD Sensor appears to be cross-wired** **Resolved: #2789 STIG Corrected erosion problem at site** **Resolved: #3967 NINN Removed over-grown grass on bare plot**
TS30	**Current: #2391 HOLL Reported 15 C warm bias for one month, now data seems to be ok** **Current: #3147 TIPT Sensor stuck at -273.1 C** **Current: #4491 SLAP Sensor appears to be cross-wired** Resolved:

	ARS QA Report
TAIR	Current: Resolved:
RELH	Current: Resolved:
SRAD	**Current: #3836 A130 Mesocomp found sensor 7% low** **Current: #3837 A151 Mesocomp found sensor 7% low** Resolved:
RAIN	Current: **Resolved: #3842 A164 Replaced bad switch**
TS05	Current: Resolved:
TS10	Current: Resolved:
TS15	Current: Resolved:
TS30	Current: Resolved:

	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