

**OKLAHOMA MESONET / ARS
QUALITY ASSURANCE REPORT**

April 2014

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- Mesonet technicians completed scheduled rotations of 9 barometers (PRES), 5 relative humidity sensors (RELH), 7 pyranometers (SRAD), 9 fasttherms (TAIR), 3 wind monitor bodies (WDIR), 7 windsentries (WS2M), and 5 wind monitor nose cones (WSPD)
- A multiplexer problem at the Goodwell Mesonet site (GOOD) caused errant spikes in all soil temperature values. The multiplexer was removed and affected data were flagged.
- A problem with the Idabel Mesonet site (IDAB) datalogger causes the clock to drift slow. Operations and QA are closely monitoring the site for data problems.
- The Claremore Mesonet site (CLRM) was decommissioned 30 April 2014.

Mesonet QA Report for Standard Variables

Variable	Status	Site	Ticket	Remarks
TAIR				
RELH				
WSPD				
WDIR				
PRES	Resolved	HUGO	26510	Replaced sensor that reported errors flags.
SRAD				
RAIN				
TA9M				

WS2M	Resolved	WYNO	26503	Replaced sensor that had starting threshold problem.
TB10	Resolved	BIXB	26358	Replaced sensor that reported errant spikes due to damaged wire and was at incorrect depth.
	Resolved	HOOK	26251	Removed tumbleweeds from bare plot.
TS05	Resolved	BRIS	26202	Reburied sensor at correct depth.
	Resolved	BURN	26201	Replaced sensor that was at incorrect depth.
	Resolved	CENT	26203	Reburied sensor at correct depth.
	Resolved	OKCW	26252	Reburied sensor at correct depth.
	Current	DURA	26204	Suspect sensor at incorrect depth.
	Current	PORT	26359	Suspect sensor at incorrect depth.
	Current	STUA	26360	Suspect sensor at incorrect depth.
	Current	VINI	26361	Suspect sensor at incorrect depth.
	Current	WEAT	26205	Suspect sensor at incorrect depth.
TS10				
TS25				
TS60				
TR05				
TR25				

TR60				
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ARS Little Washita Watershed QA Report

Variable	Status	Site	Ticket	Remarks
RAIN	Resolved	A148	26417	Replaced gage that recorded false precip.
VW05				
VW25	Current	A234	26520	Sensor reports small errant spikes.
VW45	Resolved	A253	26401	Replaced sensor that reported small errant spikes.
V05T				
V25T				
V45T				

ARS Fort Cobb Watershed QA Report

Variable	Status	Site	Ticket	Remarks
RAIN				
VW05				

VW25				
VW45				
V05T				
V25T				
V45T				

“Current” tickets are unresolved tickets as of the last day of the month OR tickets added after Monthly QA analysis.
“Resolved” tickets are the sensor problems 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
TB10	Soil temperature measured at 10 cm under bare sod
TS05	Soil temperature measured at 5 cm under native soil
TS10	Soil temperature measured at 10 cm under native soil
TS25	Soil temperature measured at 25 cm under native soil
TS60	Soil temperature measured at 60 cm under native sod
TR05	Soil moisture: Calibrated DeltaT measured at 5 cm under native sod
TR25	Soil moisture: Calibrated DeltaT measured at 25 cm under native sod
TR60	Soil moisture: Calibrated DeltaT measured at 60 cm under native sod
VW05	Soil moisture: Volumetric water content measured at 5 cm under native sod
VW25	Soil moisture: Volumetric water content measured at 25 cm under native sod
VW45	Soil moisture: Volumetric water content measured at 45 cm under native sod
V05T	Soil Temperature measured at 5cm under native sod
V25T	Soil Temperature measured at 25cm under native sod
V45T	Soil Temperature measured at 45cm under native sod