

**OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT
February 2008**

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- Mesonet Technicians conducted scheduled rotations of 1 rain gauge, 18 wind vanes, and 6 wind monitor nose cones.
- An expansion board problem caused errant spikes in TS05 and TS15 data at F113 from 31 January - 27 February 2008.

Mesonet QA Report for Standard Variables

Variable	Status	Ticket	Site	Remarks
TAIR	Current	15798	MRSH	Sensor has low bias when wet.
RELH	N/A			
WSPD	Resolved	15664	OKMU	Replaced sensor with errant data spikes.
WDIR	N/A			
PRES	N/A			
SRAD	Resolved	15669	ALV2	Removed bird droppings from sensor.
RAIN	N/A			
TA9M	N/A			
WS2M	N/A			
TS10	N/A			
TB10	Resolved	15734	WALT	Replaced sensor with high bias.
	Resolved	15701	WEAT	Replaced sensor with low bias.
TS05	Current	15801	COPA	Sensor has a low bias.

TB05	Resolved	15671	WALT	Replaced sensor with low bias.
	Resolved	15736	WEAT	Replaced sensor with low bias.
	Resolved	15707	WYNO	Reburied exposed sensor.
TS30	N/A			
TR05	Resolved	15662	LANE	Replaced failing sensor.
TR25	Resolved	15743	LANE	Reburied sensor.
TR60	N/A			
TR75	N/A			

ARS Little Washita Watershed QA Report

Variable	Status	Ticket	Site	Remarks
TAIR	N/A			
RELH	N/A			
SRAD	N/A			
RAIN	Resolved	15698	A134	Repaired rain gauge that failed during rain event.
TS05	N/A			
TS10	Resolved	15744	A153	Replaced sensor damaged by gopher.
TS15	Resolved	15735	A153	Replaced sensor damaged by gopher.
TS30	N/A			
VW05	N/A			
VW25	N/A			
VW45	N/A			

ARS Ft. Cobb Watershed QA Report

Variable	Status	Ticket	Site	Remarks
TAIR	N/A			
RELH	N/A			
SRAD	N/A			
RAIN	N/A			
TS05	N/A			
TS10	N/A			
TS15	Current	15800	F112	Sensor has a low bias.
TS30	N/A			
VW05	N/A			
VW25	N/A			
VW45	N/A			

“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
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
TR75	Soil moisture: Calibrated DeltaT measured at 75 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