

OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT January 2008

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- Despite the cold air temperature most of January, Mesonet Technicians were blessed with a few unseasonably warm days to perform site maintenance and scheduled sensor rotations. Rotations included 1 rain gauge, 2 wind monitor nose cones, and 6 wind vanes.

Mesonet QA Report for Standard Variables

Variable	Status	Ticket	Site	Remarks
TAIR	Resolved	15523	MIAM	Replaced air temperature sensor that was susceptible to moisture.
RELH	N/A			
WSPD	N/A			
WDIR	N/A			
PRES	Resolved	15670	NRMN	Fixed barometer tube clogged with ice.
SRAD	Resolved	15654	OKMU	Fixed unlevel sensor.
RAIN	N/A			
TA9M	N/A			
WS2M	N/A			
TS10	Resolved	15661	CLRM	Replaced sensor that reported inconsistent data.
TB10	Current	15701	WEAT	Sensor has a low bias.
	Resolved	15703	CLRM	Replaced sensor that reported inconsistent data.
	Resolved	15724	ELRE	Reburied sensor that was too shallow.
TS05	Resolved	15656	VANO	Replaced sensor that had a low bias.
	Resolved	15727	TIPT	Fixed wiring problem.
	Resolved	15726	ALTU	Fixed wiring problem.
	Resolved	15725	MANG	Fixed wiring problem.

TB05	Current	15707	WYNO	Sensor is too shallow.
	Resolved	15723	ELRE	Reburied sensor that was too shallow.
	Resolved	15658	REDR	Replaced sensor that had a low bias.
	Resolved	15667	TIPT	Fixed wiring problem.
	Resolved	15665	ALTU	Fixed wiring problem.
	Resolved	15666	MANG	Fixed wiring problem.
TS30	N/A			
TR05	Current	15662	LANE	Sensor does not respond well to rain.
TR25	N/A			
TR60	Resolved	15646	WASH	Fixed broken wire.
TR75	N/A			

ARS Little Washita 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	N/A			
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	N/A			
TS30	N/A			
VW05	Resolved	15668	F110	Replaced sensor that failed.
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