

OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT
November 2007

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- Mesonet Technicians rotated 8 wind sentries, 6 wind monitor nose cones, 4 barometers, 3 fasttherms, 1 pyranometer, and 1 wind vane.

Mesonet QA Report for Standard Variables

Variable	Status	Ticket	Site	Remarks
TAIR	N/A			
RELH	N/A			
WSPD	Current	15633	COOK	Sensor has developed a starting threshold problem
	Resolved	15584	PAWN	Tightened loose propeller
WDIR	N/A			
PRES	N/A			
SRAD	N/A			
RAIN	Resolved	15574	SKIA	Rewired gauge
	Resolved	15629	TAHL	Fixed gauge that had missed a rain event
TA9M	Resolved	15575	STIG	Fixed wiring on sensor
WS2M	N/A			
TS10	N/A			
TB10	Resolved	15536	ALV2	Replaced sensor that had developed a low bias

TS05	Resolved	15543	HOBA	Repaired malfunctioning sensor
	Resolved	15600	FREE	Fixed sensor that had a wiring problem
TB05	N/A			
TS30	Current	15529	GRA2	Sensor reports erratic data
TR05	Current	15636	SLAP	Sensor reports erratic data
	Resolved	15611	ADAX	Replaced sensor that had failed
TR25	Current	15605	WEAT	Sensor is malfunctioning
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	N/A			
TS05	Resolved	15586	A135	No problem found with sensor that appeared to have a bias
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	Current	15634	F115	Sensor reporting erroneous rain measurements
TS05	N/A			
TS10	N/A			
TS15	N/A			
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