

OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT

April 2007

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- During April, Mesonet technicians resolved over 140 trouble tickets!
- Technicians performed scheduled rotations of 5 barometers, 1 air temperature sensor, 15 relative humidity sensors, and 5 wind sentries.
- Two new sites were added to the Oklahoma Mesonet – Oklahoma City West (OKCW) and Oklahoma City East (OKCE). OKCW was commissioned 6 April 2007 at 00:00 UTC and OKCE was commissioned 20 April at 00:00 UTC. The two new stations bring the total number of Mesonet sites to 119.
- Spring pass began in April.

Mesonet QA Report for Standard Variables

Variable	Status	Ticket	Site	Remarks
TAIR	N/A			
RELH	Current	15017	WEBB	Sensor has wiring problem.
	Resolved	14880	NEWP	Replaced faulty sensor.
WSPD	N/A			
WDIR	N/A			
PRES	Resolved	14898	BURB	Replaced faulty sensor.
SRAD	N/A			
RAIN	Resolved	14928	NEWK	Fixed sensor that stopped reporting.
	Resolved	14904	CLAY	Fixed sensor that stopped reporting.
TA9M	N/A			

WS2M	N/A			
TS10	Current	14996	BOWL	Sensor reports errant data.
	Resolved	14975	BYAR	Replaced sensor that had a low bias.
TB10	Current	15055	SHAW	Sensor has a low bias.
	Resolved	14963	MIAM	Reburied sensor that was too shallow.
	Resolved	14901	COPA	Fixed wiring problem.
TS05	Resolved	15016	PUTN	Replaced damaged sensor.
TB05	Current	15054	BRIS	Sensor has a high bias.
	Resolved	14929	MIAM	Reburied sensor that heaved out of ground.
	Resolved	14964	COPA	Fixed wiring problem.
TS30	Current	15027	OKMU	Sensor has a low bias.
	Resolved	14842	BIXB	Replaced damaged sensor.
	Resolved	15015	PUTN	Replaced sensor that had a low bias.
	Resolved	14930	KETC	Fixed wiring problem.
TR05	Current	14900	FREE	Sensor reports errant data.
	Current	14841	ANTL	Sensor reports errant data.
TR25	N/A			
TR60	Current	14846	WEST	Sensor has preferential flow.
	Resolved	14790	WALT	Replaced sensor that stopped working.
TR75	Current	15000	WATO	Sensor stopped working.

ARS Little Washita Watershed QA Report

Variable	Status	Ticket	Site	Remarks
TAIR	N/A			
RELH	Resolved	14882	A132	Replaced sensor that reported errant data.
SRAD	N/A			
RAIN	Resolved	14905	A149	Repaired rain gauge that stopped reporting.
TS05	N/A			
TS10	N/A			
TS15	N/A			
TS30	N/A			
VW05	Resolved	14856	A149	Fixed wiring problem.
	Resolved	14931	A162	Replaced broken sensor.
VW25	N/A			
VW45	N/A			

ARS Ft. Cobb Watershed QA Report

Variable	Status	Ticket	Site	Remarks
TAIR	N/A			
RELH	N/A			
SRAD	Current	14962	F106	Sensor has a low bias.

RAIN	N/A			
TS05	N/A			
TS10	N/A			
TS15	N/A			
TS30	N/A			
VW05	N/A			
VW25	N/A			
VW45	Resolved	14881	F115	Fixed wiring problem.

“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