

OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT
 March 2008

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- Mesonet Technicians resolved over 100 trouble tickets this month.
 - Techs rotated 17 wind vanes and 6 rain gauges.
 - Power upgrades occurred at 17 sites.
- The Lake Carl Blackwell site (CARL) was commissioned on March 1st. CARL became the 120th Mesonet site and the 4th in Payne County.
- Velma repeater (VELMrptr) was commissioned March 4th.
- A datalogger issue impacted air temperature measured by the Marshall (MRSH) site. TAIR data were flagged from 29 February to 12 March 2008.

Mesonet QA Report for Standard Variables

Variable	Status	Ticket	Site	Remarks
TAIR	Resolved	15798	MRSH	Datalogger caused temperature offset
RELH	N/A			
WSPD	Current	15950	SKIA	Sensor reporting values less than like instrument
WDIR	N/A			
PRES	Current	15927	WIST	Barometer tube impacted by rain
	Current	15945	COOK	Barometer tube impacted by rain
SRAD	N/A			
RAIN	N/A			
TA9M	N/A			
WS2M	N/A			

TS10	Current	15981	HUGO	Sensor has developed a low bias
	Current	15982	TALI	Sensor has developed a low bias
TB10	Resolved	15852	OKCN	Tech cleared vegetation from bare plot
	Resolved	15853	OKCW	Tech cleared vegetation from bare plot
TS05	Current	15979	WILB	Sensor reporting erratic data
TB05	N/A			
TS30	Current	15980	TIPT	Sensor reporting erratic data
TR05	N/A			
TR25	Current	15854	BUTL	Final temperature less than starting temperature
TR60	Current	15907	STUA	Sensor is not heating
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	Resolved	15820	F112	Cleared blockage in gauge
TS05	N/A			
TS10	N/A			
TS15	Resolved	15800	F112	Replaced sensor that had developed a high bias
TS30	Current	16001	F112	Sensor reporting erratic data
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