

OKLAHOMA MESONET / ARS QUALITY ASSURANCE REPORT

December 2012

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- Mesonet technicians performed scheduled rotations of 2 barometers (PRES), 1 raingauge (RAIN), 1 temperature and relative humidity sensor (RELH) and 2 windsentries (WS2M).
- Multiplexer at Altus (ALTU) site is causing errant spikes in soil temperature data beginning 11 November 2012, appropriate data flagged as erroneous.
- The data logger at ARS Fort Cobb site F102 was causing erroneous spikes in soil temperature data from 2 October 2012 to 3 December 2012, appropriate data flagged as erroneous.

Mesonet QA Report for Standard Variables

Variable	Status	Site	Ticket	Remarks
TAIR				
RELH				
WSPD				
WDIR				
PRES	Resolved	NRMN	24238	Pressure deviated from neighbors
SRAD	Resolved	GOOD	24261	Sensor had a low bias compared to neighbors
	Current	GOOD	24529	Sensor has a 10% high bias
	Current	BURN	24530	Sensor has a low bias compared to neighbors
RAIN				
TA9M				
WS2M				
TS10	Current	FTCB	24275	Sensor reports errant spikes in data
TB10	Current	WIST	24263	Sensor has a low bias

TS05	Current	WYNO	24219	Sensor has a low bias
	Current	PORT	24264	Sensor has a low bias
	Current	CARL	24272	Sensor has a low bias
TB05	Current	TALI	24189	Sensor has a low bias
	Current	TAHL	24191	Sensor has a low bias
	Current	GUTH	24269	Sensor has a low bias
TS30				
TR05				
TR25				
TR60				

ARS Little Washita Watershed QA Report

Variable	Status	Site	Ticket	Remarks
RAIN				
VW05				
VW25				
VW45				
V05T				
V25T				
V45T				

ARS Ft. Cobb Watershed QA Report

Variable	Status	Site	Ticket	Remarks
RAIN				
VW05				
VW25				
VW45				
V05T				
V25T				
V45T				

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
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
V05T	Soil Temperature measured at 5 cm under native sod
V25T	Soil Temperature measured at 25cm under native sod
V45T	Soil Temperature measured at 45cm under native sod