

OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT
 May 2003

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Over 70 trouble tickets were cleared up in May by Ken, Leslie, Kris, Thomas and Bill. In addition to the work detailed below, scheduled rotations of 7 T&RH and 4 barometers were performed. Several heat flux plates and PRTs were replaced because of rodent damage.

By the end of May, a total of 95 sites had been visited for Spring Pass 2003.

The testing of the new narrow-band VHF radios continued this month. The radios were installed at the Foraker network.

Janet

Mesonet QA Report for Standard Variables	
TAIR	Current: Resolved:
RELH	Current: Resolved: #7769 HECT Replaced sensor that was stuck at 0% humidity since last rain event
WDIR	Current: Resolved: #7813 ACME Replaced tail of anemometer that lost a battle with a shotgun
WSPD	Current: Resolved:
PRES	Current: #7768 MADI Pressure varying with temperature Resolved: #7756 SEIL Replaced barometer that was stuck at 944mb after a period of missing data
SRAD	Current: Resolved: #7751 SLAP Replaced sensor that had 50 to 100 W m-2 low bias in afternoons
RAIN	Current: Resolved: #7758 STUA Replaced reed switch on gauge that had reported no tips during rain event Resolved: #7759 TAHL Removed spider and web (again!) that had prevented bucket from tipping
TA9M	Current: Resolved:

WS2M	Current: Resolved: #7752 ANTL Replaced sensor that had starting threshold problems
TS10	Current: Resolved:
TB10	Current: Resolved: #7754 SALL Replaced sensor and cable that had been damaged by gopher
TS05	Current: Resolved:
TB05	Current: #7852 BURN Monthly QA shows that 5cm temperatures are 4 degrees C lower than 10 cm temperatures each afternoon Resolved:
TS30	Current: Resolved: #7761 OILT Replaced sensor that had been damaged by gopher
TR05	Current: Resolved:
TR25	Current: Resolved:
TR60	Current: Resolved:
TR75	Current: Resolved:

ARS QA Report	
TAIR	Current: Resolved:
RELH	Current: Resolved:
WDIR	Current: Resolved:
SRAD	Current: Resolved:

RAIN	Current: Resolved: #7770 A162 Evicted spider and web that had blocked flow to buckets
TS05	Current: Resolved: #7851 A148 Replaced sensor that had been cross wired with TS10 and had reported out-of-range temperatures Resolved: #7802 A144 Replaced sensor that had reported out-of-range temperatures
TS10	Current: Resolved: #7755 A148 Rewired sensor that had been cross-wired with TS05
TS15	Current: Resolved:
TS30	Current: Resolved:

“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