OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT
January 2003

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Scheduled rotations of barometers were performed at 11 Mesonet sites. Wind sentries were replaced at 6 sites.

Radios and modems were replaced at 3 bases and/or repeaters to improve communications.

Scheduled replacements of dataloggers and wiring panels were performed at 6 of the ARS Micronet sites.

The Fall Pass 2002 CD is ready for distribution. The CD contains the accomplishments, site photos, interesting findings, and site forms from the pass. The Fall Pass info is also temporarily available on the web:

http://operations.ocs.ou.edu/pub/sitepass/FallPass2002.html .

	Mesonet QA Report for Standard Variables
TAIR	Current: Resolved:
RELH	**Current: #7456 EUFA Monthly QA indicates 5 to 10% low bias at humidities above 70%** **Resolved: #7393 BOIS Replaced sensor reporting humidity values over 115%**
WDIR	Current: Resolved:
WSPD	Current: Resolved:
PRES	Current: **Resolved: #7423 ANTI Rewired barometer that was stuck at 998 mb**
SRAD	**Current: #7525 PAWN Monthly QA indicates a 10% high bias in afternoons** Resolved:
RAIN	**Current: #7526 MARE Monthly QA shows no tips recorded in January** **Current: #7527 KING Monthly QA indicates gauge under-reported during last 4 precipitation events** Resolved:
TA9M	Current: Resolved:
WS2M	Current: **Resolved: #7455 ACME Replaced wind sentry that had fought, and lost battle with shotgun**

TS10	Current: Resolved:
TB10	Current: Resolved:
TS05	Current: **Resolved: #7422 CALV Replaced sensor reporting out-of-range temperatures** **Resolved: #7399 NINN Replaced sensor reporting out-of-range temperatures (cable had been cut in two pieces by a rodent)**
TB05	Current: **Resolved: #7400 EUFA replaces sensor that had a 5 degree C high bias compared to nearby sites**
TS30	Current: Resolved:
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: #7401 A161 Replaced Sensor reporting less than 1 Wm^-2 continually throughout the day** **Resolved: #7402 A124 Tightened analog ground wire that was loose on sensor reporting out of range shortwave down values**

RAIN	Current: Resolved:
TS05	Current: Resolved:
TS10	Current: Resolved:
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