OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT
February 2000

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OASIS 2000 for the northeast quadrant of the state began February 22. OASIS 2000 is an NCAR in-field comparison with our OASIS stations.

As part of normal maintenance, the Mesonet Technicians installed updated datalogger operating systems at 24 stations during February. The remainder of the sites will be updated during March.

	Mesonet QA Report for Standard Variables
TAIR	Current: Resolved:
RELH	Current: Resolved:
WDIR	Current: **Resolved: #4338 MARS Replaced to correct WDIR errors**
WSPD	**Current: #4862 NEWK Data indicates low bias** **Current: #4863 WOOD Data indicates** **Resolved: #4832 EUFA Replaced sensor with bad bearings; causing low wspds** **Resolved: #4859 SEIL Replaced sensor with bad bearings; causing low wspds** **Resolved: #4864 STIG Replaced sensor with bad bearings; causing low wspds** **Resolved: #4865 CHEY Replaced sensor with bad bearings; causing low wspds**
PRES	Current: **Resolved: #4680 BBOW Re-tightened wires to correct barometer errors** **Resolved: #4800 BOWL Re-tightened wires to correct barometer errors** **Resolved: #4801 MTHE Restripped/Re-tightened wires to correct barometer errors** **Resolved: #4833 PUTN Reset logger to correct barometer stuck at 0.0 mb** **Resolved: #4842 FREE Reset logger to correct barometer stuck at 0.0 mb** **Resolved: #4866 CHEY Reset logger to correct barometer stuck at 0.0 mb**
SRAD	**Current: #4831 MIAM PM SRAD is consistently 50 W/m^2 higher than neighbors** Resolved:
RAIN	**Current: #4830 ANTL Replaced cable, logger, and wiring panel to correct double-tipping** Resolved:
TA9M	**Current: #4873 WEAT Sensor stuck at -273.1 C** Resolved:
WS2M	Current: **Resolved: #4870 CHIC Replaced dead sensor**

TS10	Current: **Resolved: #4818 STIG Replaced sensor with gopher damage**
TB10	Current: Resolved:
TS05	**Current: #4834 FORA Sensor does not agree with other soil levels** **Resolved: #4875 STIG Replaced sensor that failed in-field comparison**
TB05	**Current: #4872 WYNO Corrected erosion problem** Resolved:
TS30	Current: **Resolved: #4876 STIG Replaced sensor that failed in-field comparison**

	ARS QA Report
TAIR	Current: Resolved:
RELH	Current: Resolved:
SRAD	**Current: #3836 A130 Mesocomp found sensor 7% low** **Current: #3837 A151 Mesocomp found sensor 7% low** Resolved:
RAIN	**Current: #4874 A133 Gauge under-reporting rainfall** 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