OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT

July 2001

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Northwest and southwest Oklahoma were the hot spots of the state during July. Average 1800 UTC temperatures in those areas were over 36 C (97 F). The 1800 UTC pressure data revealed corresponding localized areas of low pressure (heat lows) in those same areas.

	Mesonet QA Report for Standard Variables
TAIR	Current: Resolved:
RELH	Current: **Resolved: # 5772 STIL Replaced bad sensor** **Resolved: # 5950 BRIS Replaced bad sensor**
WDIR	Current: Resolved:
WSPD	Current: Resolved:
PRES	Current: **Resolved: # 5898 VANO Initial install of barometer**
SRAD	Current: **Resolved: # 5927 MARS Replaced sensor with high bias** **Resolved: # 6002 BUTL Replaced sensor with low bias**
RAIN	**Current: # 6006 GOOD Soil moisture detected rainfall, but gauge did not** **Resolved: # 5778 STIL Fixed double-counting gauge**
TA9M	Current: **Resolved: # 5658 MIAM Tightened wires to sensor**
WS2M	Current: **Resolved: # 5870 WEBB Replaced sensor with noisy bearings** **Resolved: # 5877 NEWK Replaced sensor with high starting threshold** **Resolved: # 5857 MADI Replaced dead sensor**
TS10	Current: Resolved:
TB10	Current: **Resolved: # 5885 DURA Tightened wire to correct erratic data**

TS05	**Current: # 5756 SLAP Sod is consistently warmer than bare plot** **Resolved: # 5858 HOLL Corrected erosion problem**
TB05	**Current: # 5859 ARDM Data suggests sensor is sticking out of ground** **Resolved: # 5859 ARDM Replaced sensor with high bias**
TS30	Current: Resolved:

	ARS QA Report
TAIR	Current: Resolved:
RELH	Current: Resolved:
WDIR	Current: Resolved:
SRAD	Current: **Resolved: # 5983 A133 Replaced sensor with high bias**
RAIN	Current: Resolved:
TS05	Current: **Resolved: # 5909 A166 Replaced defective sensor** **Resolved: # 5966 A130 Replaced sensor with 6 C warm bias**
TS10	**Current: # 6000 A148 Sensor spiking to 50 C** **Current: # 6001 A125 Sensor spiking to 70 C** **Resolved: # 5926 A159 Replaced gopher-damaged sensor** **Resolved: # 5910 A125 Replaced defective sensor**
TS15	Current: **Resolved: # 5956 A159 Replaced gopher-damaged sensor** **Resolved: # 5963 A125 Replaced defective sensor** **Resolved: # 5965 A155 Replaced defective sensor**
TS30	**Current: # 5998 A130 Sensor dipping below 0 C** **Current: # 5999 A154 Sensor has a 10 C cool bias** **Current: # 6004 A122 Sensor reporting erratically and out of range** **Resolved: # 5726 A135 Replaced defective sensor** **Resolved: # 5717 A134 Replaced defective sensor**

“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