

OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT

June 2001

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Spring Pass 2001 was completed in June. All 114 stations have now been visited, inspected, and maintained. In addition, over 1500 digital photos were taken to document the vegetation conditions at each site.

The technicians now embark on Summer Pass 2001...

Mesonet QA Report for Standard Variables	
TAIR	Current: Resolved: # 5724 SALL Replaced bad sensor
RELH	Current: # 5772 STIL Sensor stuck at 0% Resolved: # 5639 NINN Replaced erratic sensor Resolved: # 5707 ALTU Replaced bad sensor
WDIR	Current: Resolved: # 5723 FREE Replaced defective sensor
WSPD	Current: Resolved:
PRES	Current: Resolved: # 5769 HECT Initial installation of barometer
SRAD	Current: Resolved: # 5702 OILT Replaced bad sensor Resolved: # 5851 FREE Replaced lightning-damaged sensor
RAIN	Current: # 5778 STIL Double counts on one bucket Resolved: # 5746 JAYX Fixed clogged gauge Resolved: # 5776 CLAR Repaired stuck buckets Resolved: # 5758 LANE Fixed double-tipping gauge Resolved: # 5771 MEDF Cleaned clogged gauge Resolved: # 5708 COPA Replaced suspect gauge Resolved: # 5666 GOOD Removed spider that was preventing buckets from tipping
TA9M	Current: Resolved: # 5658 MIAM Tightened wires to sensor
WS2M	Current: # 5857 MADI Stuck at 0 Resolved: # 5784 STIL Replaced sensor with noisy bearings
TS10	Current: Resolved:

TB10	Current: # 5885 DURA Many erratic data dips Resolved: # 5762 WIST Corrected erosion problem Resolved: # 5764 TALI Corrected erosion problem Resolved: # 5665 APAC Replaced defective sensor
TS05	Current: # 5756 SLAP Sod is consistently warmer than bare plot Current: # 5858 HOLL Sod is consistently warmer than bare plot Resolved:
TB05	Current: # 5859 ARDM Data suggests sensor is sticking out of ground Resolved: # 5761 WIST Corrected erosion problem Resolved: # 5763 TALI Corrected erosion problem
TS30	Current: Resolved:

ARS QA Report	
TAIR	Current: Resolved:
RELH	Current: Resolved: # 5714 A156 Replaced lightning-damaged sensor
WDIR	Current: Resolved:
SRAD	Current: Resolved:
RAIN	Current: Resolved: # 5669 B123 Replaced defective switch
TS05	Current: Resolved: # 5725 A111 Replaced defective sensor
TS10	Current: Resolved: # 5671 A125 Replaced defective sensor
TS15	Current: Resolved:
TS30	Current: 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