

OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT
 May 2000

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The Mesonet Technicians continued site visits during May as part of "Spring Pass 2000". All stations will have received maintenance by the end of June.

A cow broke through the enclosure at JAYX on May 12. I've been meaning to tell Ken Meyers I found somebody looking like they were up to no good at the nearby Pryor site:

<http://radar.metr.ou.edu/cgi-bin/sitephoto.cgi?site=pryo&dir=ne&info=photos>

Do you think we have our first suspect?

(That link comes from our online site photo gallery accessible through the main Mesonet web page at <http://okmesonet.ocs.ou.edu>.)

Mesonet QA Report for Standard Variables	
TAIR	Current: #5011 SLAP Sensor reporting -7999 during most observations Resolved: #4965 JAYX Replaced cow-damaged sensor
RELH	Current: #4948 MAYR Sensor dropping to 0% Current: #5006 CAMA Sensor reported near 0% RH intermittently Current: #5010 SLAP RELH to 105% Current: #5013 ARDM Sensor reporting over 103% Current: #5014 ALV2 RELH to 108% Resolved: #4947 ELRE Replaced sensor reporting over 106% Resolved: #4964 JAYX Replaced cow-damaged sensor
WDIR	Current: Resolved:
WSPD	Current: #4976 BYAR Sensor sporadically 4-5 m/s slower than speed at 9 m Resolved: #4993 CHIC Replaced noisy bearings Resolve: #5023 ALTU Replaced noisy bearings
PRES	Current: #4980 RETR Sensor dropped 100 mb on May 18-19 Resolved: #4940 FTCB Replaced barometer stuck at 956.03 mb
SRAD	Current: #5009 SLAP Sensor reporting below 0 Current: #5072 KETC Monthly QA indicates 5-10% high bias Resolved:
RAIN	Current: Resolved: #4962 JAYX Repaired broken wire on cable Resolved: #4988 TAHL Replaced failed switch Resolved: #5026 ALTU Replaced intermittently failing switch
TA9M	Current: #5008 SLAP Sensor reporting below 0 Resolved:

WS2M	Current: Resolved:
TS10	Current: #5007 SLAP Sensor has 6 C warm bias Resolved: #4982 SALL Replaced gopher-damaged sensor
TB10	Current: Resolved: #4968 NORM Reset depth indicator; sensor was 1 cm high Resolved: #4984 SALL Repaired erosion; sensor was 2 cm high
TS05	Current: #4953 SALL Check for possible wiring problem Resolved: #4916 WEST Corrected wiring problem
TB05	Current: Resolved: #4928 MEDF Corrected erosion problem Resolved: #4965 NORM Reset depth indicator; sensor was 1 cm high Resolved: #4985 SALL Repaired erosion; sensor was 2 cm high
TS30	Current: #5005 CHIC Sensor stuck at -273.1 Resolved: #4983 SALL Replaced gopher-damaged sensor

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: Resolved:
TS05	Current: Resolved:
TS10	Current: Resolved:
TS15	Current: #5071 A136 Monthly QA indicates 3-4 C warm bias Resolved:
TS30	Current: Resolved: #4966 A131 Replaced sensor with warm bias

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“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