

OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT
 March 2000

Prepared by Chris Fiebrich
gamgr@mesonet.org

One last ice storm... Mother Nature coated much of western Oklahoma with freezing rain on March 16-17, causing upwards of 40 wind monitors to freeze solid. These observations were flagged in Qualparm to indicate their suspicious readings.

Mesonet QA Report for Standard Variables	
TAIR	Current: Resolved:
RELH	Current: #4927 WASH Monthly QA indicates 1 C high TDEW bias Resolved:
WDIR	Current: Resolved: #4890 TISH Repaired sensor stuck at 355 degrees
WSPD	Current: #4863 WOOD Data indicates low bias Resolved: #4862 NEWK Bearings found noisy and replaced nose cone
PRES	Current: #4920 ACME Monthly QA indicates 1 mb high bias Current: #4921 JAYX Monthly QA indicates 1 mb high bias Resolved:
SRAD	Current: #4924 WIST Monthly QA indicates 50 W/m² low bias Current: #4925 COPA Monthly QA indicates 75 W/m² low bias Current: #4926 MIAM Monthly QA continues to indicates 50 W/m² high bias Resolved: #4831 MIAM Replaced sensor to correct high bias
RAIN	Current: #4923 JAYX Check for possible clog Resolved: #4901 FTCB Replaced reed switch that was causing gauge to be stuck at 0.
TA9M	Current: #4902 BYAR Sensor reporting 6 C cool bias Resolved: #4873 WEAT Replaced bad logger port to correct TA9M problem
WS2M	Current: Resolved: #4879 NORM Corrected bent boom
TS10	Current: #4915 WEST Sensor warmer than TS05 in the afternoon Resolved:
TB10	Current: Resolved:

TS05	Current: #4916 WEST Sensor cooler than TS10 in the afternoon Resolved: #4834 FORA Replaced sensor with cool bias
TB05	Current: #4872 WYNO Erosion problem over bare plot Current: #4922 ANTL Possible erosion due to high afternoon bias Current: #4928 MEDF Possible erosion due to high afternoon bias Resolved:
TS30	Current: Resolved:

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: #4874 A133 Fixed loose wire
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