

OKLAHOMA MESONET/ARS QUALITY ASSURANCE REPORT
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The Mesonet's Top 3 Most Wanted (Gophers, that is):

1. 'Chubby', 8"
Charges: Cut TS10 and TS05 cables
Last seen in Fairview, OK
2. 'Shorty', 7"
Charges: Chewed TS30 cable in half
Last seen in Tipton, OK
3. 'Gnaws', 12"
Charges: Damaged TS05, TS10, and TS15 sensors
Last seen near Chickasha, OK (A110)

Mesonet QA Report for Standard Variables	
TAIR	Current: Resolved: #2189 SLAP Replaced sensor with 1.5 C warm bias
RELH	Current: #2151 RING Sensor sporadically reporting ~30% too low Current: #2228 STIG Sensor reporting data dips to near 0% RELH frequently Resolved:
WDIR	Current: Resolved:
WSPD	Current: Resolved:
PRES	Current: Resolved: #2186 SLAP Replaced sensor with 1.0 mb low bias
SRAD	Current: #2212 SPEN Sensor consistently reports lower than neighboring sites Resolved:
RAIN	Current: Resolved: #2211 NOWA Replaced bad switch which was causing under-reporting
TA9M	Current: Resolved:
WS2M	Current: Resolved:
TS10	Current: #2188 HINT Long-term QA indicates 2-3 C cool bias Current: #2234 MINC Monthly QA indicates 3 C warm bias Resolved: #2161 FAIR Sensor cable cut by gopher

TB10	Current: #2213 GUTH Long-term QA indicates 2-3 C warm bias Resolved: #2219 VINI Sensor found to be 6 C high; replaced
TS05	Current: #2187 HINT Long-term QA indicates 2 C cool bias Resolved: #2160 FAIR Sensor cable cut by gopher; replaced
TB05	Current: #2015 ELRE Sensor reporting 2 C warmer than neighboring sites Resolved:
TS30	Current: #2184 FTCB Long-term QA indicates 1-2 C cool bias Resolved: #2157 TIPT Sensor cable chewed in half by gopher

ARS QA Report	
TAIR	Current: Resolved:
RELH	Current: #2179 A155 Sensor reports as high as 105% during conditions of high relative humidity Resolved:
SRAD	Current: Resolved:
RAIN	Current: Resolved:
TS05	Current: Resolved: #2222 A110 Found gopher damage; replaced sensor
TS10	Current: Resolved: #2214 A110 Gopher damage causing 6 C warm bias; replaced sensor
TS15	Current: Resolved: #2223 A110 Found gopher damage; replaced sensor
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
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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