

15-year *Map* Making Tool

Mesonet Long-Term Averages - *Maps*

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Answering questions and solving problems for farmers and ranchers often involves weather. The Oklahoma Mesonet has a new mapping tool to view monthly averages as a statewide map. What is unique is that: you pick the data set; you pick the month and year; you pick the average or departure from average.

There are 57 different data sets that can be displayed. These include all of the weather variables measured by the Oklahoma Mesonet and derived data sets, such as evapotranspiration, Fractional Water Index and Plant Available Water.

Months and years available run from January 1999 to the last full month. Long-term averages are based on the fifteen-year period from 1999-2013.

- Average Maximum Air Temperature
- Average Minimum Air Temperature
- Average Air Temperature
- Average 30-foot Air Temperature
- Average Minimum Wind Chill Temperature
- Average Maximum Heat Index Temperature
- Average Heating Degree Days
- Average Cooling Degree Days
- Average Maximum Relative Humidity
- Average Minimum Relative Humidity
- Average Relative Humidity
- Average Maximum Dew Point Temperature
- Average Minimum Dew Point Temperature
- Average Dew Point Temperature
- Average Maximum Wind Speed
- Average Minimum Wind Speed
- Average Wind Speed
- Average Maximum Wind Speed Gust
- Average Maximum 6.5-foot Wind Speed
- Average Minimum 6.5-foot Wind Speed
- Average 6.5-foot Wind Speed
- Average Maximum Station Pressure
- Average Minimum Station Pressure
- Average Station Pressure
- Average Maximum Mean Sea Level Pressure
- Average Minimum Mean Sea Level Pressure
- Average Mean Sea Level Pressure
- Avg. Maximum 2-inch Soil Temperature Below Sod
- Avg. Minimum 2-inch Soil Temperature Below Sod
- Average 2-inch Soil Temperature Below Sod
- Avg. Maximum 4-inch Soil Temperature Below Sod
- Avg. Minimum 4-inch Soil Temperature Below Sod
- Average 4-inch Soil Temperature Below Sod
- Avg. Max. 4-inch Soil Temperature Below Bare Soil
- Avg. Min. 4-inch Soil Temperature Below Bare Soil
- Average 4-inch Soil Temperature Below Bare Soil
- Average 2-inch Fractional Water Index
- Average 10-inch Fractional Water Index
- Average 24-inch Fractional Water Index
- Total Rainfall
- Total Rainfall with Estimates
- Total Evaporation
- Total Potential Evapotranspiration, Long Crop
- Total Potential Evapotranspiration, Short Crop
- Average Maximum Solar Radiation
- Daily Average of Total Solar Radiation
- Daily Average of Estimated Net Radiation
- Percent Sunshine
- Avg. Max. Plant Available Water in Top 4 inches
- Avg. Min. Plant Available Water in Top 4 inches
- Average Plant Available Water in Top 4 inches
- Avg. Max. Plant Available Water in Top 16 inches
- Avg. Min. Plant Available Water in Top 16 inches
- Average Plant Available Water in Top 16 inches
- Avg. Max. Plant Available Water in Top 32 inches
- Avg. Min. Plant Available Water in Top 32 inches
- Average Plant Available Water in Top 32 inches

