Oklahoma Monthly Climate Summary

# MAY 2017

OKLAHOMA CLIMATOLOGICAL SURVEY

May gets top billing as Oklahoma's rowdiest weather month, and it certainly lived up to that notoriety this year. At least three major severe weather outbreaks occurred during May. These short but intense periods of disturbed weather brought the state tornadoes, severe winds, hail to the size of grapefruits, and widespread flooding. Data from the National Weather Service suggest as many as 50 tornadoes touched down during the month, a number that could rise as more possible twisters are investigated. The state's first tornado death since May 9, 2016, occurred with a large EF2 tornado that struck the Elk City area on May 16. The tornado, which reached 1000 yards wide at one point, was on the ground for 18 miles. The fatality occurred as it struck a vehicle, killing the driver who was fleeing the tornado. As many as eight businesses and 200 homes were damaged or destroyed along the twister's path in Beckham County. The Oklahoma Mesonet site at Walters recorded a thunderstorm related wind gust of 104 mph on the 18th, the seventh highest wind gust recorded by the network since its inception in 1994. The small town then suffered a flash flood the following evening. The last severe outbreak of the month hit the state on the 27th into the 28th with damaging hail, severe winds and numerous tornado warnings.

## May 2017 Statewide Extremes

| Description | Extreme | Station | Day |
|---|---|---|---|
| High Temperature | 102°F | Altus, Grandfield | 27 |
| Low Temperature | 29°F | Kenton | 1 |
| High Precipitation | 10.05 in. | Tishomingo | -- |
| Low Precipitation | 0.97 in. | Hooker | -- |

According to preliminary data from the Oklahoma Mesonet, the statewide average precipitation total was just a tad below normal at 4.66 inches. The rainfall totals were quite variable across the state, however. Mesonet sites in the Panhandle and a broad swath from south central into the northeast ranged from 1-4 inches above normal. Interspaced in between was an even larger area of below normal totals, with deficits of 1-4 inches. The far southeast also came in 2-3 inches below normal. Tishomingo led the Mesonet with 10.05 inches while Tipton brought up the rear with an inch. May's totals end a climatological spring season (March-May) that saw impressive surpluses erase equally impressive deficits. The spring statewide average was 13.78 inches, nearly 3 inches above normal to rank as the 19th wettest on record. The northeast and Panhandle areas experienced their fifth and sixth wettest spring on record, respectively. The totals exceeded normal by 8-10 inches across the northeast. There were small pockets of 1-4 inch deficits across southern Oklahoma. The January-May statewide average ended at 18.4 inches, 3.89 inches above normal to rank as the 14th wettest such period on record. The wet spring eradicated the last traces of drought within Oklahoma by the end of May, per the U.S. Drought Monitor. It was the first drought-free report for the state since June 21, 2016. Over 73 percent of the state was in drought at the beginning of March.

The wet, stormy weather ensured Oklahoma's first cooler than normal month since December 2016. The statewide average temperature of 66.6 degrees fell 1.6 degrees below normal to rank as the 34th coolest May on record. While the month itself was mild, one weekend was befitting of mid-summer. Temperatures rose into the upper 90s and 100s from the 25th through the 27th. Combined with a strong flow of moisture from the Gulf of Mexico, the heat index rose even higher, prompting a heat advisory for central and southern

## May 2017 Statewide Statistics

Temperature

| | Average | Depart. | Rank (1895-2017) |
|---|---|---|---|
| Month (May) | 66.6°F | -1.6°F | 34th Coolest |
| Season-to-Date (Mar-May) | 61.3°F | 2.0°F | 17th Warmest |
| Year-to-Date (Jan-May) | 55.0°F | 3.3°F | 3rd Warmest |

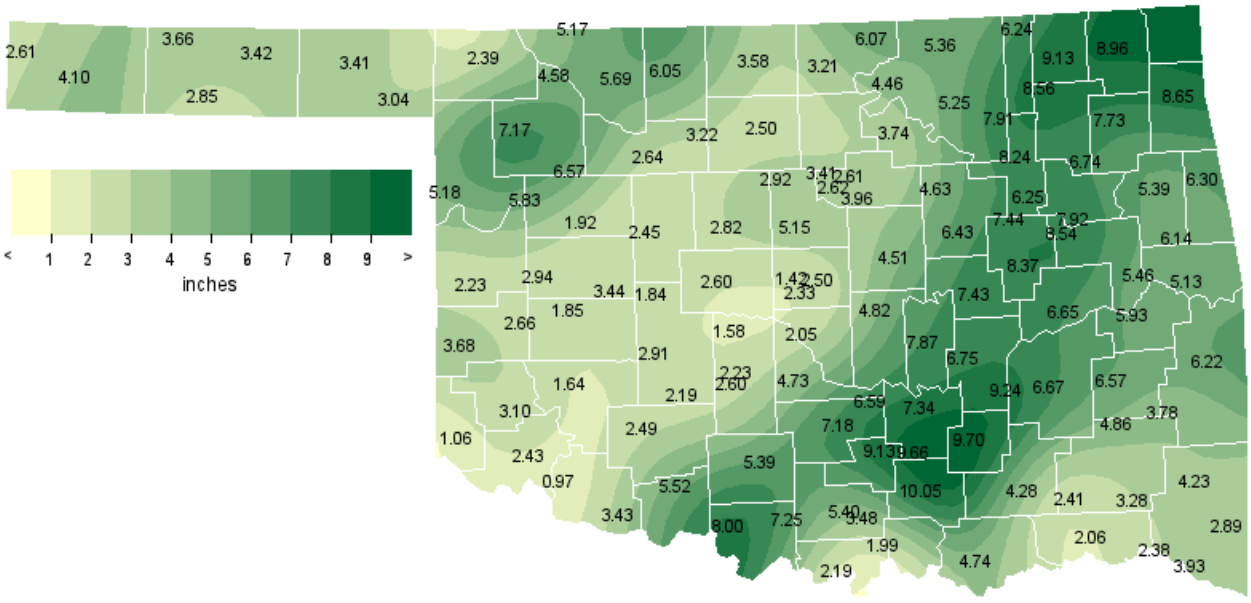
Precipitation

| | Total | Depart. | Rank (1895-2017) |
|---|---|---|---|
| Month (May) | 4.66 in. | 0.16 in. | 2nd Driest |
| Season-to-Date (Mar-May) | 13.78 in. | 2.66 in. | 19th Wettest |
| Year-to-Date (Jan-May) | 18.40 in. | 3.89 in. | 14th Wettest |

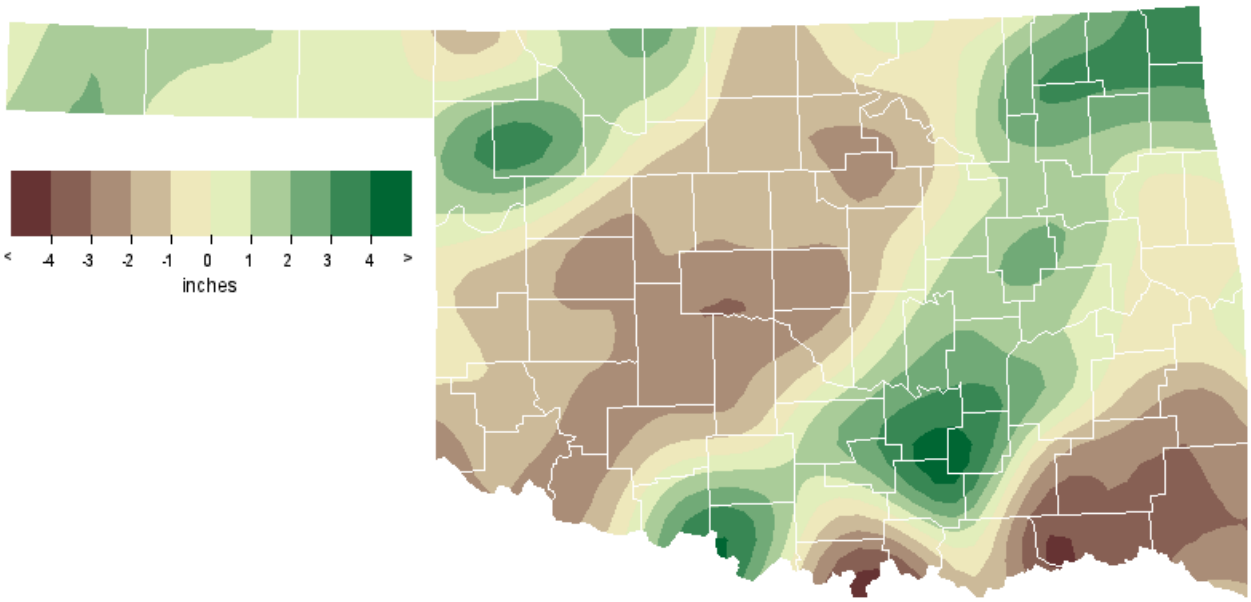
Depart. = departure from 30-year normal

Oklahoma. Burneyville registered a heat index of 110 degrees on the 27th. Altus and Grandfield recorded the highest actual air temperature of 102 degrees that same day. The lowest reading was 29 degrees at Kenton on May 1 – also the state's last freeze. The first five months of the year ended at 55 degrees, the third warmest such period on record.

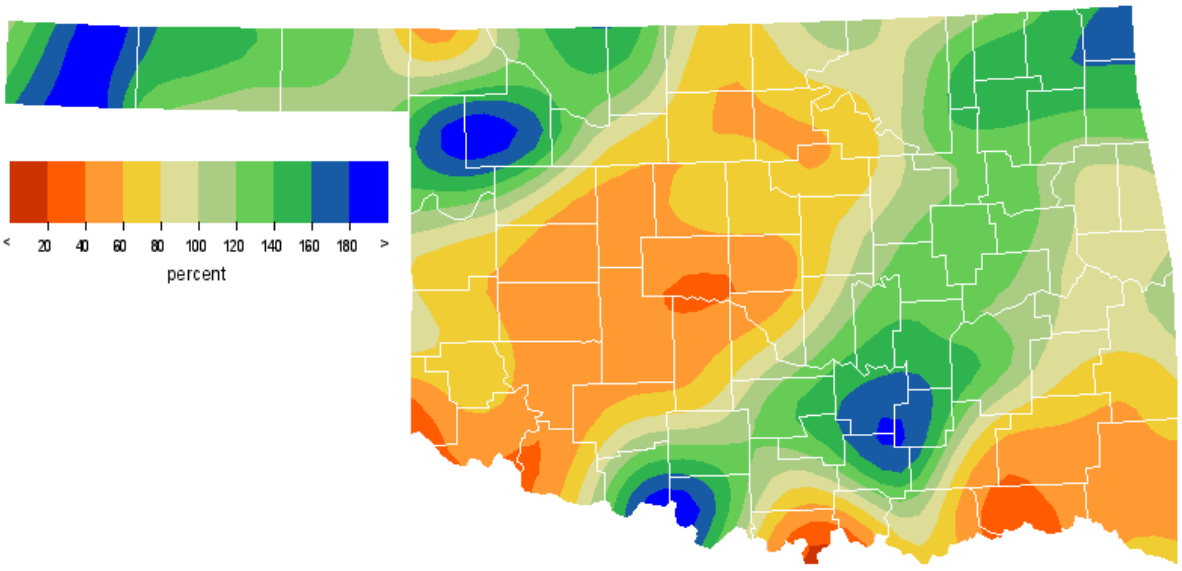
## MAY 2017 OBSERVED PRECIPITATION



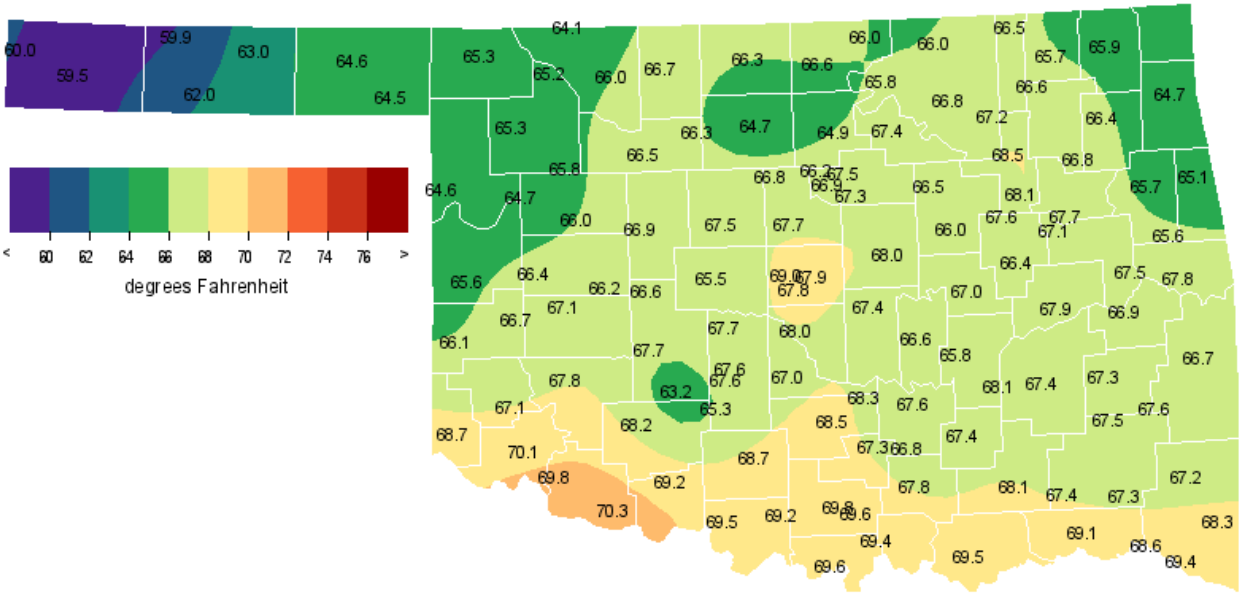

## MAY 2017 DEPARTURE FROM NORMAL PRECIPITATION



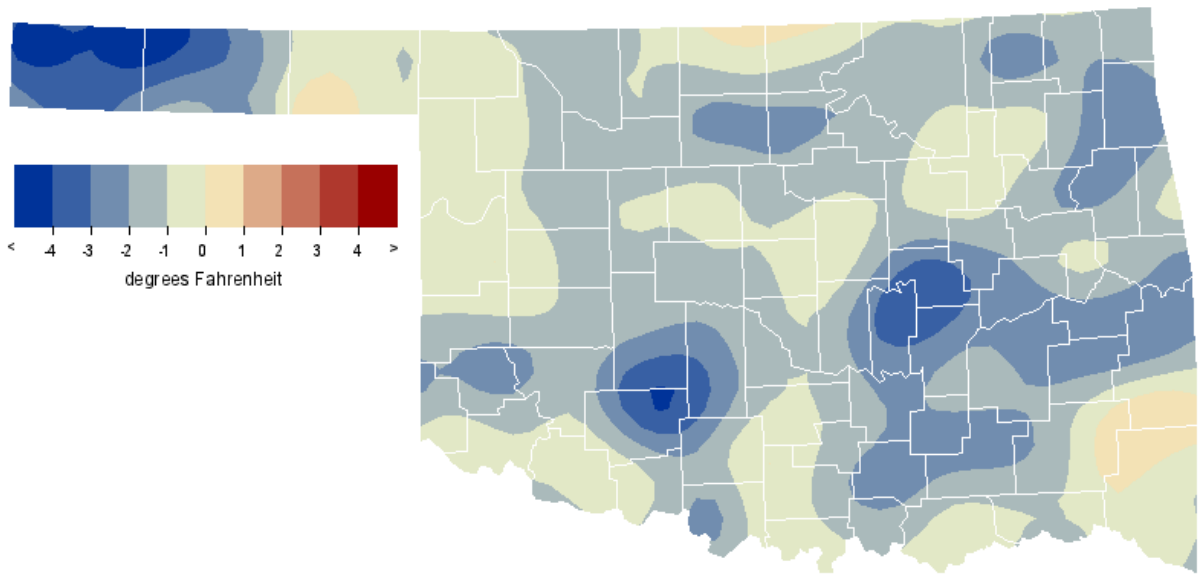
## MAY 2017 PERCENT OF NORMAL PRECIPITATION



## MAY 2017 AVERAGE TEMPERATURE




## MAY 2017 DEPARTURE FROM NORMAL TEMPERATURE

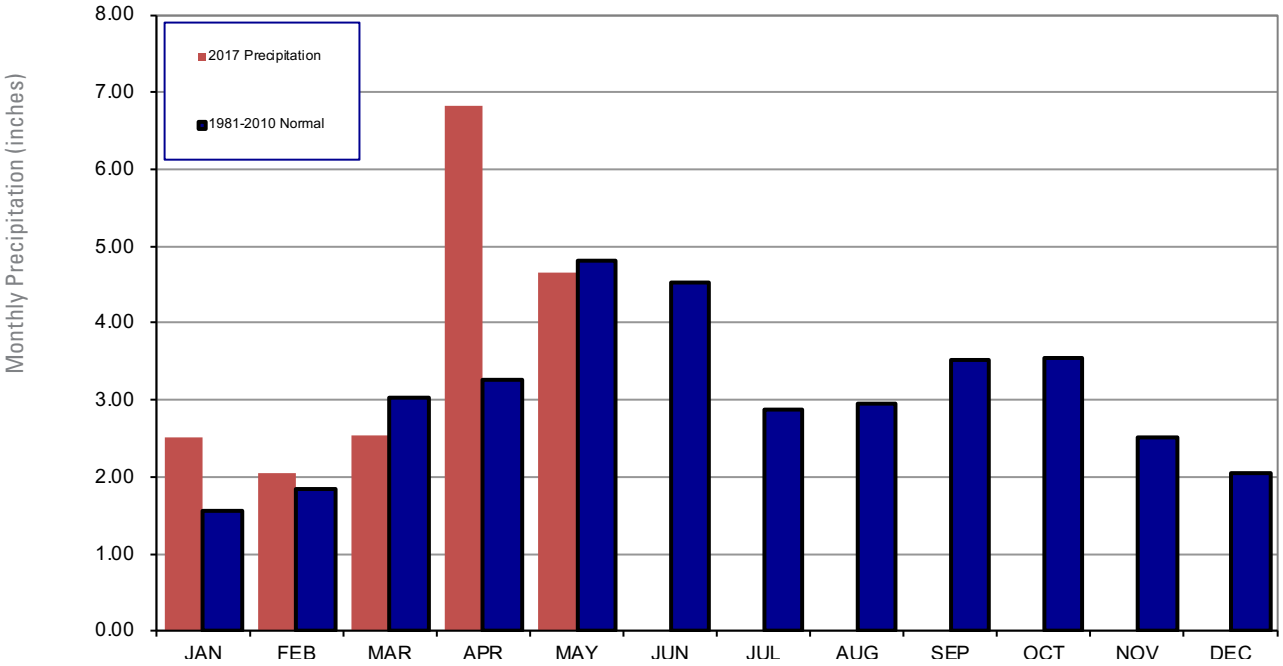


# MESONET MONTHLY SUMMARY FOR MAY 2017

| NAME | MEAN TEMP | HIGH TEMP | HIGH DAY | LOW TEMP | LOW DAY | HDD | CDD | TOT PPT | HIGH 24-HR | HIGH DAY |
|---|---|---|---|---|---|---|---|---|---|---|
| **PANHANDLE** | | | | | | | | | | |
| Arnett | 64.5 | 88 | 15 | 35 | 1 | 93 | 78 | 5.18 | 1.46 | 10 |
| Beaver | 64.5 | 98 | 25 | 31 | 1 | 112 | 97 | 3.41 | 1.18 | 27 |
| Boise City | 59.5 | 91 | 25 | 30 | 1 | 189 | 18 | 4.10 | 1.01 | 9 |
| Buffalo | 65.3 | 92 | 25 | 33 | 1 | 99 | 107 | 2.39 | .73 | 2 |
| Eva | 59.8 | 93 | 25 | 31 | 1 | 189 | 28 | 3.66 | .80 | 21 |
| **NORTH CENTRAL** | | | | | | | | | | |
| Alva | 65.9 | 91 | 15 | 37 | 1 | 75 | 105 | 5.69 | 2.33 | 10 |
| Blackwell | 66.7 | 90 | 31 | 41 | 4 | 68 | 120 | 3.21 | 1.02 | 3 |
| Breckinridge | 66.9 | 93 | 27 | 36 | 1 | **** | **** | 2.47 | .94 | 3 |
| Cherokee | 66.6 | 90 | 31 | 37 | 1 | 67 | 118 | 6.05 | 1.93 | 3 |
| Fairview | 66.5 | 90 | 31 | 37 | 1 | 64 | 111 | 2.64 | 1.10 | 11 |
| Freedom | 65.3 | 92 | 31 | 33 | 1 | 85 | 95 | 4.58 | 1.05 | 18 |
| Lahoma | 66.4 | 91 | 31 | 35 | 1 | 68 | 112 | 3.22 | .99 | 11 |
| **NORTHEAST** | | | | | | | | | | |
| Bixby | 68.1 | 92 | 27 | 44 | 2 | 42 | 138 | 6.25 | 2.94 | 19 |
| Burbank | 65.8 | 91 | 27 | 40 | 4 | 77 | 100 | 4.46 | 1.20 | 3 |
| Copan | 66.5 | 88 | 27 | 41 | 4 | 65 | 112 | 6.24 | 2.17 | 3 |
| Foraker | 66.0 | 89 | 27 | 40 | 1 | 75 | 105 | 5.36 | 1.88 | 3 |
| Inola | 66.8 | 90 | 27 | 43 | 1 | 56 | 110 | 6.74 | 2.83 | 19 |
| Jay | 64.7 | 86 | 27 | 40 | 1 | 95 | 85 | 8.65 | 3.59 | 19 |
| Miami | ***** | *** | *** | *** | *** | **** | **** | ***** | ***** | *** |
| Nowata | 65.7 | 88 | 27 | 41 | 2 | 75 | 97 | 9.13 | 2.18 | 11 |
| **WEST CENTRAL** | | | | | | | | | | |
| Bessie | 67.1 | 92 | 27 | 36 | 1 | 55 | 122 | 1.85 | .71 | 18 |
| Butler | 66.4 | 91 | 27 | 34 | 1 | 66 | 110 | 2.94 | 1.06 | 10 |
| Camargo | 64.7 | 88 | 15 | 32 | 1 | 87 | 78 | 5.83 | 3.18 | 16 |
| Cheyenne | 65.6 | 89 | 27 | 38 | 1 | 73 | 93 | 2.23 | 1.01 | 16 |
| Elk City | 66.7 | 91 | 27 | 35 | 1 | 52 | 104 | 2.66 | .71 | 22 |
| **CENTRAL** | | | | | | | | | | |
| Acme | 33.2 | 94 | 27 | *** | 1 | 51 | 125 | 2.18 | .80 | 10 |
| Bowlegs | 66.6 | 91 | 27 | 42 | 1 | 60 | 108 | 7.87 | 5.33 | 19 |
| Bristow | 66.0 | 91 | 27 | 40 | 2 | 70 | 101 | 6.43 | 2.12 | 19 |
| Lake Carl Blac | 66.1 | 94 | 27 | 40 | 1 | 77 | 112 | 3.41 | 1.17 | 10 |
| Chandler | 68.0 | 92 | 27 | 42 | 1 | 47 | 139 | 4.51 | .93 | 10 |
| Chickasha | 67.6 | 96 | 27 | 36 | 1 | 51 | 131 | 2.23 | .81 | 10 |
| El Reno | 65.4 | 90 | 27 | 37 | 1 | 83 | 96 | 2.60 | 1.04 | 10 |
| Guthrie | 67.6 | 92 | 27 | 37 | 1 | 59 | 141 | 5.15 | 2.66 | 19 |
| Kingfisher | 67.4 | 96 | 27 | 38 | 1 | 62 | 137 | 2.82 | 1.03 | 11 |
| Marena | 67.0 | 93 | 27 | 40 | 1 | 60 | 121 | 2.62 | .58 | 10 |
| Minco | 67.7 | 94 | 27 | 37 | 1 | 46 | 129 | 1.58 | .89 | 16 |
| Marshall | 66.8 | 95 | 27 | 36 | 1 | 78 | 133 | 2.92 | 1.37 | 11 |
| **EAST CENTRAL** | | | | | | | | | | |
| Cookson | 65.6 | 89 | 27 | 42 | 5 | 77 | 96 | 6.14 | 3.02 | 19 |
| Eufaula | 67.9 | 90 | 26 | 43 | 1 | 44 | 133 | 6.65 | 4.05 | 19 |
| Haskell | 67.1 | 92 | 26 | 43 | 5 | 55 | 121 | 8.54 | 4.49 | 19 |
| Hectorville | 67.6 | 89 | 27 | 44 | 1 | 46 | 127 | 7.44 | 3.67 | 19 |
| Holdenville | 68.0 | 92 | 26 | 41 | 1 | **** | **** | 6.34 | 4.20 | 19 |
| McAlester | 67.4 | 91 | 26 | 42 | 5 | 46 | 122 | 6.67 | 2.25 | 18 |
| Okmulgee | 66.4 | 90 | 26 | 41 | 2 | 62 | 105 | 8.37 | 4.46 | 19 |
| **SOUTHWEST** | | | | | | | | | | |
| Altus | 70.1 | 102 | 27 | 37 | 1 | 25 | 182 | 2.43 | 2.03 | 10 |
| Apache | 67.6 | 96 | 27 | 36 | 1 | **** | **** | 2.19 | 1.13 | 16 |
| Fort Cobb | 67.6 | 96 | 27 | 37 | 1 | 50 | 132 | 2.91 | 2.32 | 10 |
| Grandfield | 70.2 | 102 | 27 | 37 | 1 | 23 | 185 | 3.43 | 1.52 | 18 |
| Hinton | 66.6 | 92 | 27 | 37 | 1 | 64 | 114 | 1.84 | .64 | 10 |
| Hobart | 67.8 | 95 | 27 | 35 | 1 | 54 | 141 | 1.64 | .73 | 10 |
| **SOUTH CENTRAL** | | | | | | | | | | |
| Ada | 67.6 | 92 | 26 | 41 | 1 | 52 | 133 | 7.34 | 4.88 | 19 |
| Ardmore | 69.6 | 95 | 26 | 39 | 1 | 27 | 168 | 3.48 | 1.23 | 19 |
| Burneyville | 69.7 | 100 | 26 | 35 | 1 | 37 | 183 | 2.19 | .94 | 28 |
| Byars | 68.4 | 92 | 27 | 39 | 1 | 42 | 148 | 6.59 | 4.05 | 19 |
| Centrahoma | 67.3 | 92 | 26 | 41 | 5 | 53 | 126 | 9.70 | 4.63 | 19 |
| Durant | 69.5 | 93 | 26 | 43 | 1 | 24 | 165 | 4.74 | 2.73 | 20 |
| Fittstown | 66.8 | 92 | 26 | 38 | 1 | 54 | 109 | 9.66 | 4.92 | 19 |
| Ketchum Ranch | 68.7 | 95 | 27 | 36 | 1 | 36 | 149 | 5.39 | 3.37 | 19 |
| **SOUTHEAST** | | | | | | | | | | |
| Antlers | 67.3 | 92 | 26 | 40 | 6 | 39 | 111 | 2.41 | .53 | 27 |
| Broken Bow | 68.3 | 88 | 27 | 42 | 6 | 30 | 134 | 2.89 | 1.52 | 11 |
| Clayton | 67.5 | 90 | 26 | 42 | 2 | 41 | 119 | 4.86 | 1.92 | 20 |
| Cloudy | 67.2 | 88 | 26 | 42 | 1 | 42 | 110 | 3.28 | 1.15 | 20 |
| Hugo | 69.2 | 91 | 26 | 44 | 1 | 25 | 154 | 2.06 | .70 | 11 |
| Idabel | 69.3 | 92 | 26 | 44 | 6 | 25 | 159 | 3.93 | 2.15 | 11 |

| NAME | MEAN TEMP | HIGH TEMP | HIGH DAY | LOW TEMP | LOW DAY | HDD | CDD | TOT PPT | HIGH 24-HR | HIGH DAY |
|---|---|---|---|---|---|---|---|---|---|---|
| Goodwell | 62.0 | 94 | 25 | 31 | 1 | 141 | 48 | 2.85 | .65 | 2 |
| Hooker | 63.0 | 95 | 25 | 31 | 1 | 127 | 64 | 3.42 | .62 | 15 |
| Kenton | 60.0 | 90 | 25 | 29 | 1 | 185 | 30 | 2.61 | .54 | 9 |
| Slapout | 64.4 | 93 | 14 | 34 | 1 | 106 | 89 | 3.04 | .90 | 2 |
| May Ranch | 31.9 | 90 | 15 | *** | 24 | 71 | 105 | 5.17 | 1.09 | 18 |
| Medford | 66.4 | 91 | 31 | 38 | 1 | 73 | 116 | 3.58 | 1.31 | 3 |
| Newkirk | 66.0 | 88 | 31 | 40 | 4 | 74 | 104 | 6.07 | 1.95 | 10 |
| Red Rock | 67.1 | 93 | 27 | 40 | 4 | **** | **** | 2.90 | 1.38 | 3 |
| Seiling | 65.8 | 90 | 15 | 36 | 1 | 73 | 98 | 6.57 | 3.36 | 16 |
| Woodward | 65.2 | 88 | 15 | 35 | 1 | 86 | 93 | 7.17 | 1.62 | 18 |
| Pawnee | 67.3 | 94 | 27 | 40 | 4 | 63 | 134 | 3.74 | .94 | 10 |
| Porter | 67.7 | 91 | 26 | 44 | 1 | 45 | 129 | 7.92 | 4.35 | 19 |
| Pryor | 66.4 | 90 | 27 | 42 | 2 | 67 | 109 | 7.73 | 2.40 | 19 |
| Skiatook | 67.2 | 90 | 27 | 42 | 1 | 58 | 126 | 7.91 | 2.39 | 19 |
| Talala | 66.6 | 92 | 27 | 42 | 4 | 62 | 113 | 8.56 | 2.31 | 19 |
| Tulsa | 68.5 | 92 | 27 | 42 | 1 | 46 | 156 | 8.24 | 2.19 | 19 |
| Vinita | 65.8 | 90 | 27 | 41 | 1 | 72 | 98 | 8.96 | 2.01 | 19 |
| Wynona | 66.8 | 91 | 27 | 42 | 1 | 59 | 116 | 5.25 | 1.64 | 10 |
| Erick | 66.1 | 95 | 27 | 33 | 1 | 68 | 103 | 3.68 | 1.40 | 16 |
| Putnam | 66.0 | 89 | 27 | 35 | 1 | 75 | 106 | 1.92 | 1.12 | 10 |
| Watonga | 66.8 | 91 | 27 | 36 | 1 | 71 | 128 | 2.45 | 1.15 | 10 |
| Weatherford | 66.3 | 90 | 27 | 34 | 1 | 70 | 109 | 3.44 | 2.11 | 18 |
| Ninnekah | 67.6 | 96 | 27 | 37 | 1 | 48 | 128 | 2.60 | .89 | 10 |
| Norman | 68.0 | 93 | 27 | 38 | 1 | 51 | 143 | 2.05 | .68 | 17 |
| Oilton | 66.5 | 91 | 27 | 41 | 5 | 69 | 114 | 4.63 | 1.54 | 19 |
| OKC East | 67.8 | 93 | 27 | 41 | 1 | 54 | 141 | 2.33 | .58 | 17 |
| OKC West | 69.0 | 94 | 27 | 41 | 1 | 42 | 165 | 1.42 | .53 | 18 |
| Okemah | 67.0 | 92 | 27 | 42 | 2 | 58 | 121 | 7.43 | 4.88 | 19 |
| Perkins | 67.4 | 93 | 27 | 41 | 4 | 60 | 133 | 3.96 | 1.96 | 19 |
| Shawnee | 67.3 | 91 | 27 | 41 | 1 | 56 | 128 | 4.82 | 2.18 | 19 |
| Spencer | 67.9 | 92 | 27 | 40 | 1 | 57 | 147 | 2.50 | .72 | 19 |
| Stillwater | 67.4 | 93 | 27 | 41 | 4 | 59 | 134 | 2.61 | .63 | 19 |
| Washington | 67.0 | 93 | 27 | 38 | 1 | 50 | 112 | 4.73 | 1.72 | 19 |
| Sallisaw | 67.7 | 91 | 27 | 43 | 2 | 42 | 126 | 5.13 | 1.55 | 19 |
| Stigler | 66.9 | 90 | 27 | 42 | 2 | 56 | 114 | 5.93 | 2.46 | 19 |
| Stuart | 68.2 | 92 | 26 | 43 | 1 | 39 | 137 | 9.24 | 5.16 | 19 |
| Tahlequah | 65.7 | 88 | 26 | 43 | 6 | 76 | 99 | 5.39 | 2.50 | 19 |
| Webbers Falls | 67.5 | 94 | 27 | 43 | 2 | 47 | 125 | 5.46 | 2.78 | 19 |
| Westville | 65.1 | 87 | 27 | 41 | 1 | 86 | 89 | 6.30 | 2.61 | 19 |
| Hollis | 68.7 | 100 | 25 | 35 | 1 | 34 | 148 | 1.06 | .99 | 10 |
| Mangum | 67.0 | 97 | 27 | 33 | 1 | 52 | 116 | 3.10 | 1.46 | 16 |
| Medicine Park | 68.2 | 96 | 27 | 39 | 1 | 38 | 138 | 2.49 | .92 | 10 |
| Tipton | 69.8 | 100 | 27 | 35 | 1 | 31 | 179 | .97 | .50 | 10 |
| Walters | 69.2 | 98 | 27 | 39 | 1 | 28 | 158 | 5.52 | 2.13 | 18 |
| Lane | 68.0 | 92 | 26 | 42 | 6 | 36 | 131 | 4.28 | 1.74 | 20 |
| Madill | 69.3 | 97 | 26 | 40 | 1 | 32 | 167 | 1.99 | .61 | 28 |
| Newport | 69.8 | 96 | 27 | 37 | 1 | 28 | 178 | 5.40 | 2.04 | 19 |
| Pauls Valley | 68.5 | 94 | 27 | 40 | 1 | 37 | 147 | 7.18 | 4.08 | 19 |
| Ringling | 69.2 | 95 | 27 | 38 | 1 | 34 | 164 | 7.25 | 3.64 | 19 |
| Sulphur | 67.3 | 92 | 27 | 38 | 5 | 58 | 128 | 9.13 | 4.51 | 19 |
| Tishomingo | 67.8 | 94 | 26 | 38 | 1 | 43 | 131 | 10.05 | 4.57 | 19 |
| Waurika | 69.6 | 98 | 27 | 37 | 1 | 27 | 169 | 8.00 | 3.10 | 18 |
| Mt Herman | 67.1 | 89 | 27 | 41 | 1 | 48 | 115 | 4.23 | 1.90 | 11 |
| Talihina | 67.6 | 90 | 27 | 41 | 2 | 41 | 121 | 3.78 | 1.76 | 20 |
| Valliant | 68.6 | 90 | 26 | 42 | 6 | 31 | 142 | 2.38 | .98 | 11 |
| Wilburton | 67.3 | 90 | 26 | 42 | 5 | 49 | 120 | 6.57 | 2.63 | 20 |
| Wister | 66.8 | 90 | 27 | 40 | 2 | 50 | 105 | 6.22 | 3.64 | 20 |

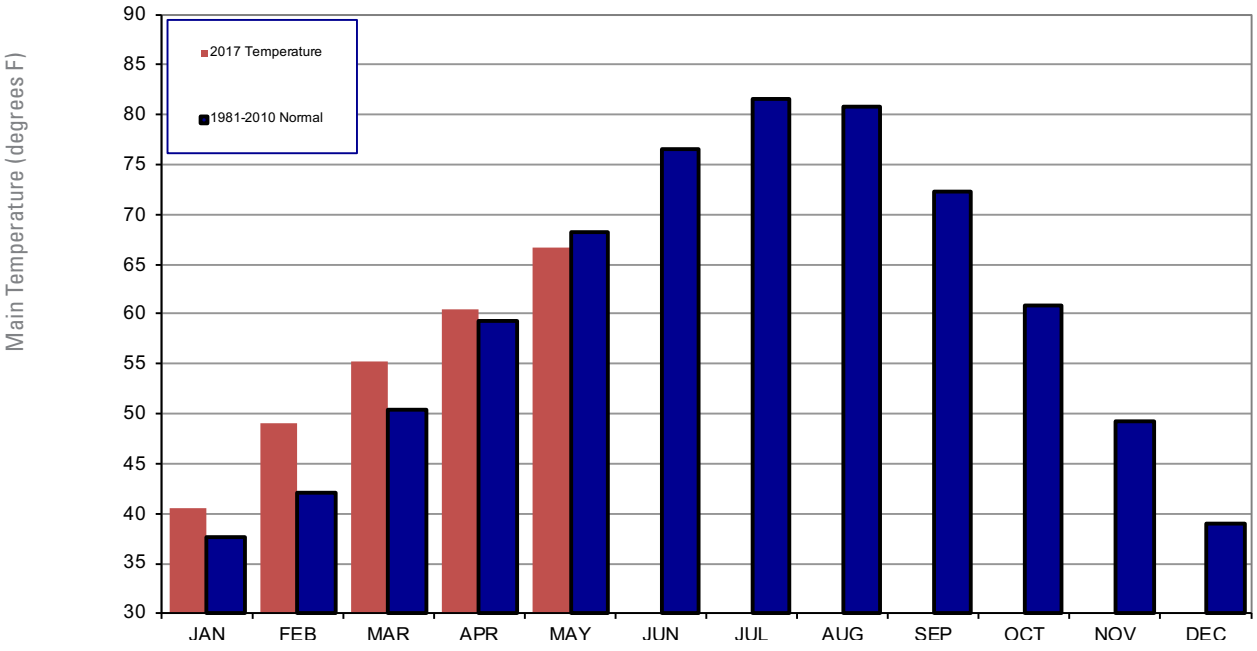
## 2017 STATEWIDE PRECIPITATION MONTHLY TOTALS VS. NORMAL




### May 2017 Mesonet Precipitation Comparison

| Climate Division | Precipitation (inches) | Departure from Normal (inches) | Rank since 1895 | Wettest on Record (Year) | Driest on Record (Year) | May-16 (inches) |
|---|---|---|---|---|---|---|
| Panhandle | 3.41 | 0.71 | 41st Wettest | 7.12 (2015) | 0.19 (2004) | 1.68 |
| North Central | 4.70 | 0.34 | 42nd Wettest | 11.11 (1957) | 0.63 (1970) | 3.59 |
| Northeast | 7.01 | 1.32 | 26th Wettest | 17.98 (1943) | 1.45 (1911) | 5.03 |
| West Central | 3.00 | -1.07 | 51st Driest | 12.10 (1982) | 0.42 (1966) | 2.40 |
| Central | 3.69 | -1.33 | 43rd Driest | 15.50 (2015) | 0.92 (1988) | 3.44 |
| East Central | 6.77 | 0.94 | 42nd Wettest | 17.48 (2015) | 1.56 (1921) | 4.13 |
| Southwest | 2.51 | -1.70 | 35th Driest | 16.40 (2015) | 0.44 (1966) | 4.47 |
| South Central | 6.40 | 1.08 | 43rd Wettest | 20.69 (2015) | 0.58 (1988) | 5.87 |
| Southeast | 3.87 | -2.28 | 28th Driest | 20.03 (2015) | 1.21 (1988) | 3.77 |
| Statewide | 4.66 | -0.16 | 62nd Driest | 14.42 (2015) | 1.23 (1988) | 3.85 |

## 2017 STATEWIDE TEMPERATURE MONTHLY TOTALS VS. NORMAL



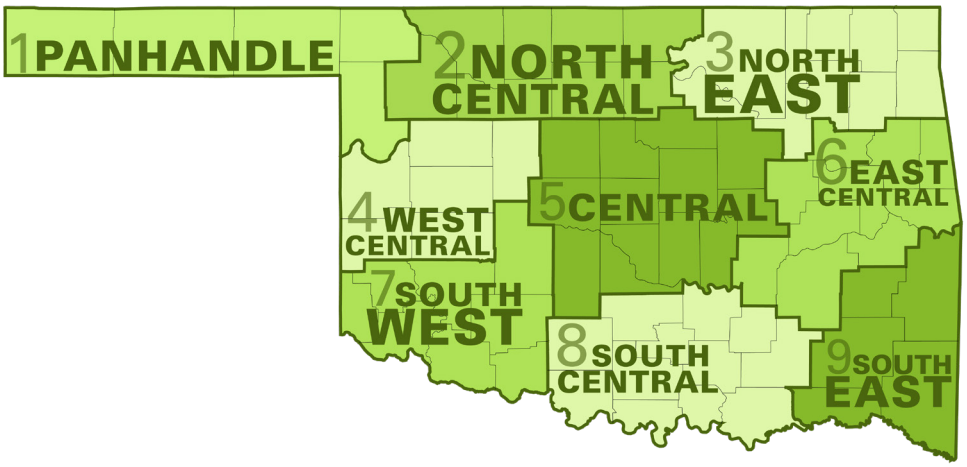

## May 2017 Mesonet Temperature Comparison

| Climate Division | Average Temp (F) | Departure from Normal (F) | Rank since 1895 | Hottest on Record (Year) | Coldest on Record (Year) | May-16 (F) |
|---|---|---|---|---|---|---|
| Panhandle | 62.6 | -2.5 | 29th Coolest | 71.1 (1896) | 58.0 (1907) | 62.5 |
| North Central | 65.7 | -1.7 | 41st Coolest | 74.5 (1962) | 60.6 (1907) | 65.3 |
| Northeast | 66.7 | -0.8 | 45th Coolest | 74.4 (1962) | 61.7 (1917) | 65.0 |
| West Central | 66.2 | -1.7 | 34th Coolest | 75.0 (1896) | 60.9 (1907) | 66.2 |
| Central | 67.2 | -1.4 | 34th Coolest | 74.6 (1962) | 62.0 (1907) | 66.9 |
| East Central | 66.8 | -1.7 | 28th Coolest | 74.3 (1962) | 63.2 (1917) | 66.5 |
| Southwest | 68.1 | -1.9 | 30th Coolest | 76.4 (1996) | 63.5 (1907) | 68.2 |
| South Central | 68.6 | -1.5 | 28th Coolest | 75.1 (1996) | 63.5 (1907) | 67.7 |
| Southeast | 67.9 | -0.7 | 44th Coolest | 73.1 (1899) | 62.8 (1917) | 67.2 |
| Statewide | 66.6 | -1.6 | 34th Coolest | 74.0 (1962) | 61.9 (1907) | 66.1 |

## MESONET EXTREMES FOR MAY 2017

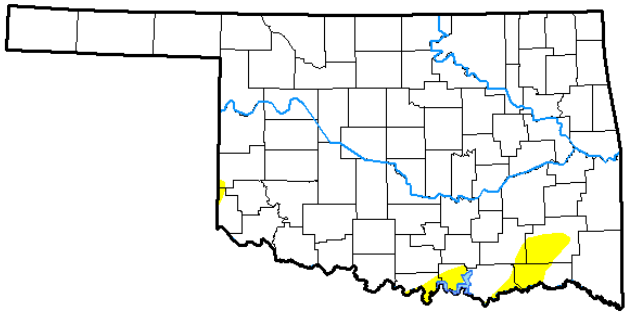
| Climate Division | High Temp (F) | Day | Station | Low Temp (F) | Day | Station | High Monthly Rainfall (inches) | Station | High Daily Rainfall (inches) | Day | Station |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Panhandle | 98 | 25th | Beaver | 29 | 1st | Kenton | 5.18 | Arnett | 1.46 | 10th | Arnett |
| North Central | 93 | 27th | Breckinridge | 33 | 1st | Freedom | 7.17 | Woodward | 3.36 | 16th | Seiling |
| Northeast | 94 | 27th | Pawnee | 40 | 4th | Pawnee | 9.13 | Nowata | 4.35 | 19th | Porter |
| West Central | 95 | 27th | Erick | 32 | 1st | Camargo | 5.83 | Camargo | 3.18 | 16th | Camargo |
| Central | 96 | 27th | Ninnekah | 36 | 1st | Chickasha | 7.87 | Bowlegs | 5.33 | 19th | Bowlegs |
| East Central | 94 | 27th | Webbers Falls | 41 | 2nd | Okmulgee | 9.24 | Stuart | 5.16 | 19th | Stuart |
| Southwest | 102 | 27th | Altus | 33 | 1st | Mangum | 5.52 | Walters | 2.32 | 10th | Fort Cobb |
| South Central | 100 | 26th | Burneyville | 35 | 1st | Burneyville | 10.05 | Tishomingo | 4.92 | 19th | Fittstown |
| Southeast | 92 | 26th | Antlers | 40 | 6th | Antlers | 6.57 | Wilburton | 3.64 | 20th | Wister |
| Statewide | 102 | 27th | Altus | 29 | 1st | Kenton | 10.05 | Tishomingo | 5.33 | 19th | Bowlegs |

**Oklahoma Climate Divisions**



## *U.S. Drought Monitor*

# Oklahoma



## May 30, 2017

*(Released Thursday, Jun. 1, 2017)*

Valid 8 a.m. EDT

*Drought Conditions (Percent Area)*

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|---|---|---|---|---|---|---|
| **Current** | 97.17 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Last Week** 05-23-2017 | 97.17 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| **3 Months Ago** 02-28-2017 | 12.64 | 87.36 | 73.14 | 28.77 | 0.18 | 0.00 |
| **Start of Calendar Year** 01-03-2017 | 5.61 | 94.39 | 83.21 | 55.75 | 5.55 | 0.00 |
| **Start of Water Year** 09-27-2016 | 57.82 | 42.18 | 19.04 | 3.05 | 0.00 | 0.00 |
| **One Year Ago** 05-31-2016 | 97.18 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 |

*Intensity:*

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.*

*Author:*

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NCEI/NESDIS/NOAA

**http://droughtmonitor.unl.edu/**

## INTERPRETATION INFORMATION

**MEAN DAILY TEMPERATURE:** Calculated from an average of the daily maximum and minimum temperatures. Daily averages are summed for each day, and then divided by the number of valid data points – typically the number of days in the month. Although this November differ from the "true" daily average, it is consistent with historical methods of observation and comparable to the normals and extremes for stations and regions of the state.

**DEGREE DAYS:** Degree Days are calculated each day of the month for which there is a temperature report and the mean temperature for the day is less than (Heating Degree Days) or greater than (Cooling Degree Days) 65 degrees. Daily values are summed to arrive at a monthly total. HDD/CDD are qualitative measures of how much heating/cooling was required to maintain a comfortable indoor temperature. Missing observations November result in an artificially high or low value.

## ADDITIONAL RESOURCES

**SUNRISE / SUNSET TABLES**
U.S. Naval Observatory: http://aa.usno.navy.mil/data

**SEVERE STORM REPORTS**
Storm Prediction Center: http://spc.noaa.gov/climo/

National Centers for Environmental Information:
https://www.ncdc.noaa.gov/stormevents/

**SEASONAL OUTLOOKS**
Climate Prediction Center:
http://www.cpc.ncep.noaa.gov/products/OUTLOOKS_index.shtml

**CLIMATE CALENDARS AND OTHER LOCAL WEATHER AND CLIMATE INFORMATION**
Oklahoma Climatological Survey:
http://climate.mesonet.org or http://climate.ok.gov/

OKLAHOMA CLIMATOLOGICAL SURVEY

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