

Oklahomans are growing accustomed to Mother Nature’s October weather shenanigans following a snowstorm of up to 13 inches in 2019 and a crippling ice storm in 2020. A spring severe weather motif was chosen for October 2021 with at least 31 tornadoes touching down during the month, besting the previous October record total of 27 set back in 1998. That preliminary total also surpasses the 25 twisters tallied during the first nine months of the year. While most of the tornadoes were considered weak—rated EF0 or EF1 on the Enhanced Fujita Scale—they were damaging, nonetheless. Oct. 10 was the most active day with 17 confirmed tornadoes along the Interstate 44 corridor. The most intense twister, rated an EF2, touched down near Anadarko and created “substantial” damage throughout the town according to Anadarko city officials. Two EF1 twisters struck Coweta and Webbers Falls later that night and damaged numerous homes and businesses, as well as Coweta High School.

The statewide average rainfall total of 3.76 inches was 0.4 inches above normal and ranked as the 37th wettest October since records began in 1895. Totals of 4-8 inches were common across central and eastern Oklahoma, as well as parts of the southwestern corner to the state. Several areas across western Oklahoma failed to eclipse the 2-inch mark, however. The Mesonet site at Cookson led the state with 8.82 inches while the site at Kenton had the low end of the sites at 0.36 inches. Fifty-eight Mesonet sites recorded at least 4 inches for the month, and another 18 reported at least 3 inches. The statewide average for the first 10 months of the year was 31.51 inches, 0.42 inches below normal and ranked as the 47th wettest January-October on record.

Summer seemed reluctant to give way to fall during October. Triple-digit temperatures occurred as late as October 9, and Hollis reached 92 degrees on the 26th. The statewide

October 2021 Statewide Extremes

| Description | Extreme | Station | Day |
|--------------------|----------|---------|-----|
| High Temperature | 102°F | Freedom | 9 |
| Low Temperature | 26°F | Eva | 16 |
| High Precipitation | 8.83 in. | Cookson | -- |
| Low Precipitation | 0.36 in. | Kenton | -- |

Severe winds and large hail were also quite fierce that evening. Norman was hit with hail up to the size of baseballs that caused significant damage to a large swath of the city. It was Norman’s second disastrous hailstorm in 6 months. Another severe weather outbreak struck the evening of the 12th overnight into the 13th, producing another 13 tornadoes which were also accompanied by large hail and severe winds. These tornadoes traversed southwest through central Oklahoma, damaging houses and businesses along the way. The month’s final tornado struck northeast Norman just after midnight on Oct. 27, damaging trees, fences and homes. The preliminary total for the year now stands at 56. The annual average for Oklahoma is 57.2 tornadoes based off of 1950-2020 data. Non-thunderstorm related winds buffeted the state on Oct. 28. Fifty-seven of the Mesonet’s 120 sites recorded wind gusts of at least 50 mph. The site at May Ranch in northern Woods County reported a gust of 74 mph that afternoon.

October 2021 Statewide Statistics

Temperature

| | Average | Depart. | Rank (1895-2021) |
|---------------------------|---------|---------|------------------|
| Month (October) | 64°F | 2.7°F | 22nd Warmest |
| Season-to-Date (Sept-Oct) | 70.2°F | 3.2°F | 12th Warmest |
| Year-to-Date (Jan-Oct) | 63°F | -0.6°F | 61st Coolest |

Precipitation

| | Total | Depart. | Rank (1895-2021) |
|---------------------------|-----------|-----------|------------------|
| Month (October) | 3.76 in. | 0.40 in. | 37th Wettest |
| Season-to-Date (Sept-Oct) | 4.89 in. | -1.79 in. | 42nd Driest |
| Year-to-Date (Jan-Oct) | 31.51 in. | -0.42 in. | 47th Wettest |

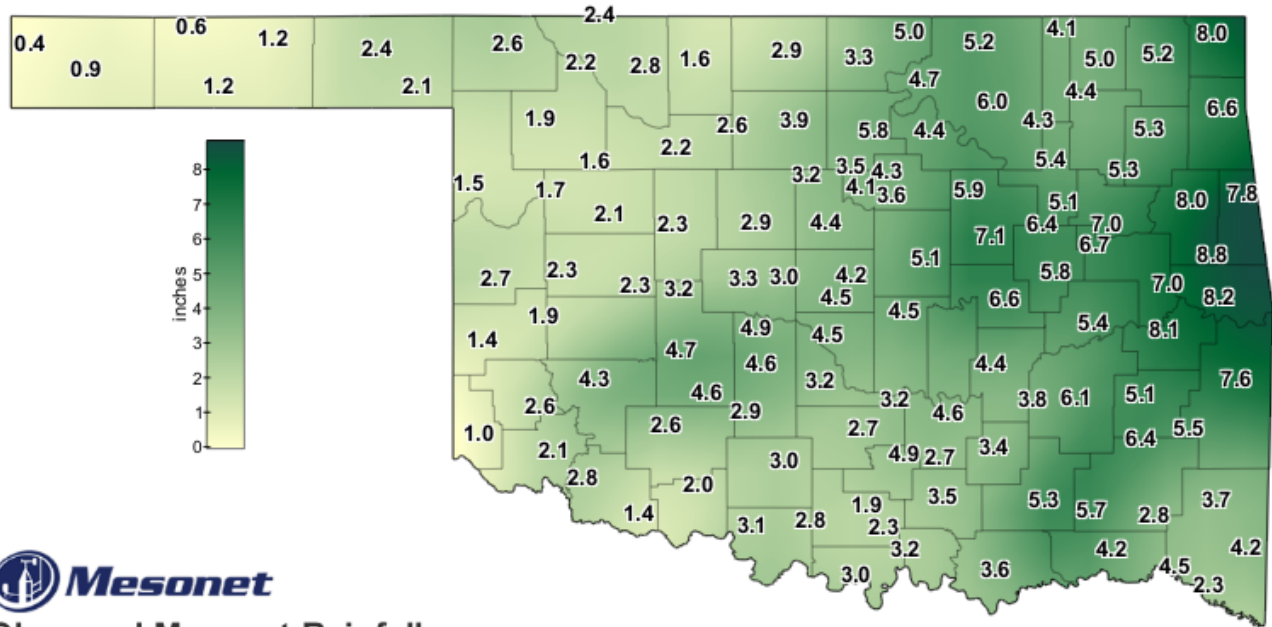
Depart. = departure from 30-year normal

average temperature finished at 64 degrees, 2.7 degrees above normal and ranked as the 22nd warmest October on record. The highest temperature of the month, 102 degrees, was recorded at Freedom on Oct. 9, one of five sites to reach at least 100 degrees on that date. The first freeze of the fall season occurred at Eva on Oct. 14 with a low of 32 degrees. The lowest temperature of the month was 26 degrees at Eva

on the 16th. The first 10 months of the year ranked as the 61st coolest on record at 63 degrees, 0.6 degrees below normal.

The flash drought that had surged across the state during September was greatly diminished during October, dropping from 73% to just under 41% throughout the month according to the U.S. Drought Monitor. However, an additional 54% of the state remained under abnormally dry conditions according to the report. The Climate Prediction Center's November outlooks indicate increased odds for above normal temperatures across the entire state, and below normal precipitation across southwestern Oklahoma and the western Panhandle. CPC's November drought outlook sees drought persisting through the month where it is already established, but also developing across all the remaining western two-thirds of the state.

OCTOBER 2021 OBSERVED PRECIPITATION

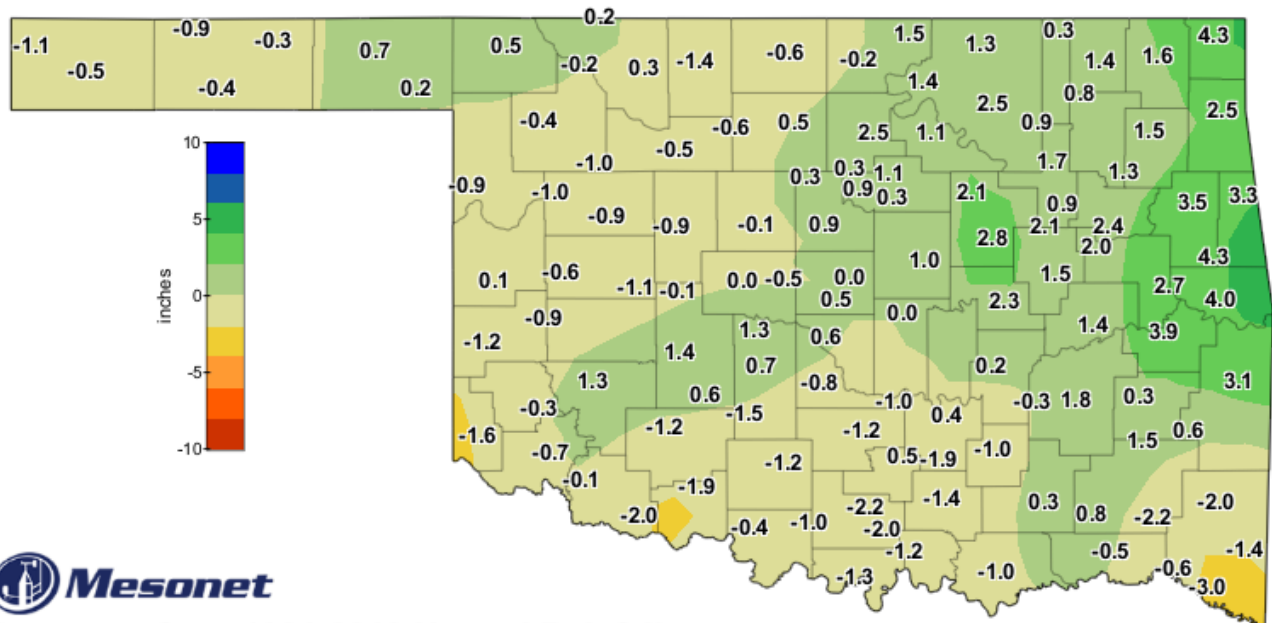


Observed Mesonet Rainfall
Calendar Month to Date

Oct 1, 2021 through Oct 31, 2021

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OCTOBER 2021 DEPARTURE FROM NORMAL PRECIPITATION

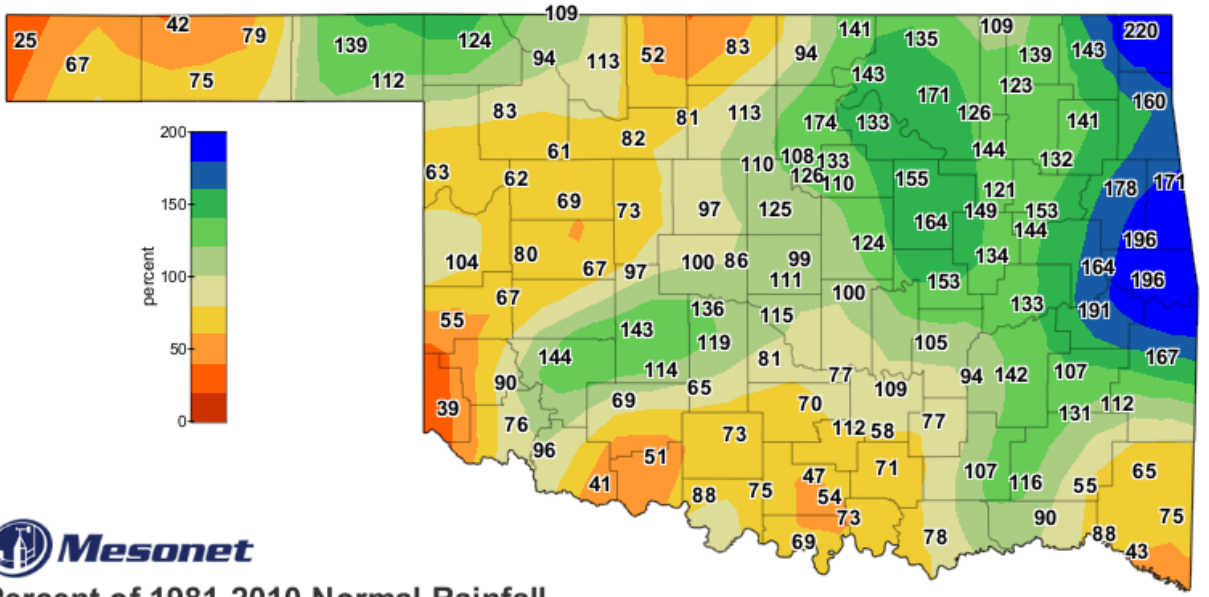


Departure from 1981-2010 Normal Rainfall
Calendar Month to Date

Oct 1, 2021 through Oct 31, 2021

Created 3:41:02 AM November 1, 2021 CDT. Copyright 2021

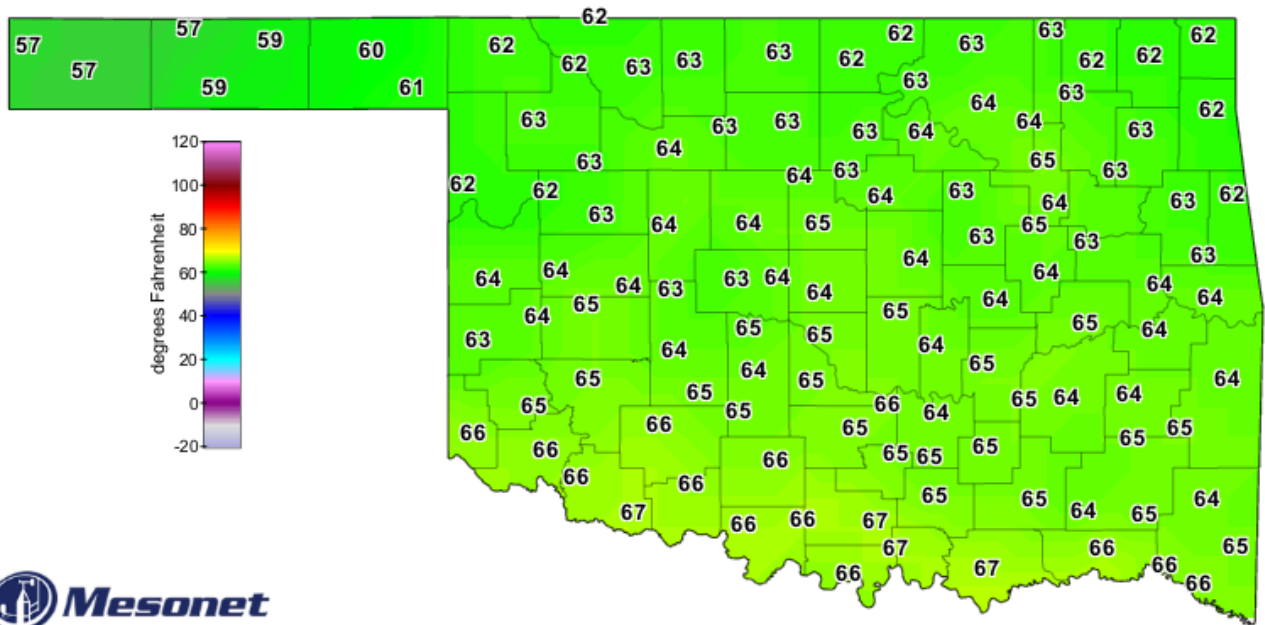
OCTOBER 2021 PERCENT OF NORMAL PRECIPITATION



Percent of 1981-2010 Normal Rainfall
Calendar Month to Date

Oct 1, 2021 through Oct 31, 2021
Created 3:41:02 AM November 1, 2021 CDT. Copyright 2021

OCTOBER 2021 AVERAGE TEMPERATURE

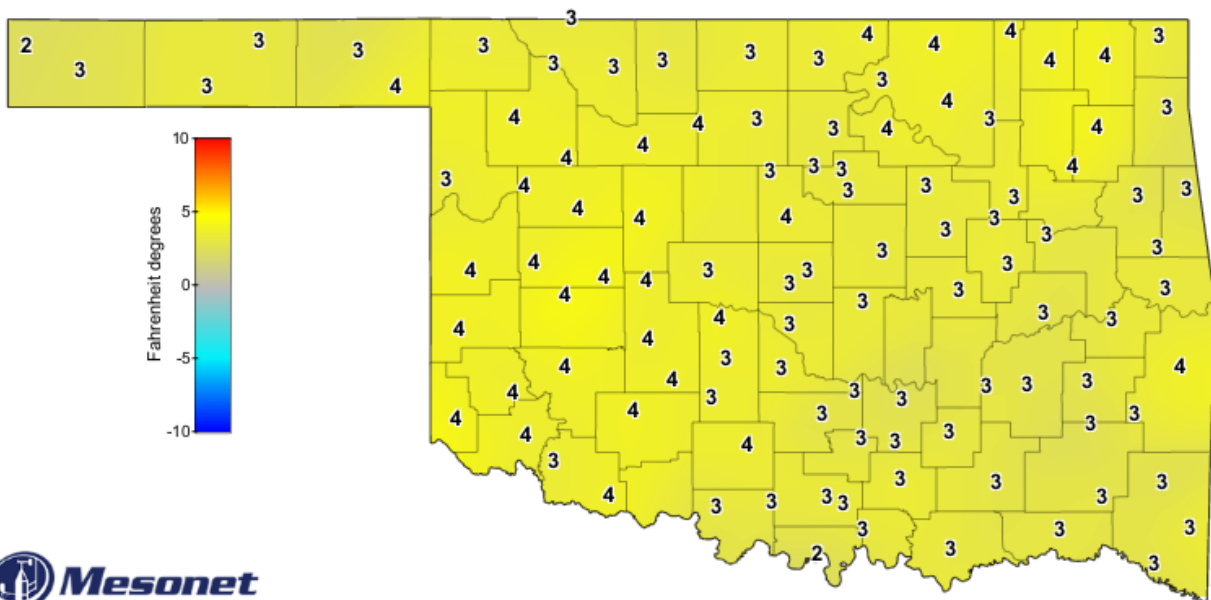


Average Air Temperature

October 2021

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OCTOBER 2021 DEPARTURE FROM NORMAL TEMPERATURE



Average Air Temperature

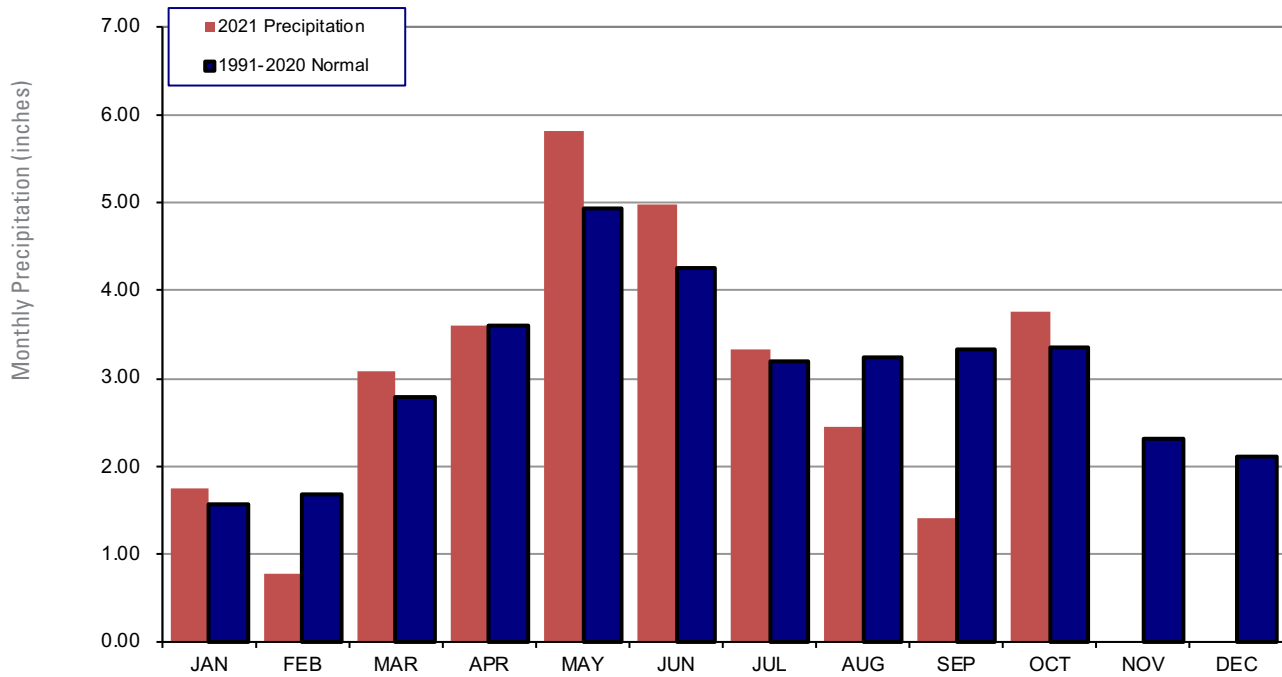
Departure from Average, October 2021

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MESONET MONTHLY SUMMARY FOR OCTOBER 2021

| NAME | MEAN TEMP | HIGH TEMP | LOW TEMP | DAY | DAY | HDD | CDD | TOT PPT | HIGH 24-HR | DAY | NAME | MEAN TEMP | HIGH TEMP | LOW TEMP | DAY | DAY | HDD | CDD | TOT PPT | HIGH 24-HR | DAY | |
|----------------------|-----------|-----------|----------|-----|-----|------|------|---------|------------|-----|---------------|-----------|-----------|----------|-----|-----|------|------|---------|------------|-----|--|
| PANHANDLE | | | | | | | | | | | | | | | | | | | | | | |
| Arnett | 62.7 | 98 | 9 | 32 | 16 | 129 | 59 | 1.51 | .71 | 1 | Goodwell | 60.4 | 94 | 9 | 29 | 16 | 184 | 41 | 1.17 | .76 | 10 | |
| Beaver | 61.3 | 96 | 9 | 29 | 16 | 157 | 42 | 2.44 | 1.22 | 12 | Hooker | 60.4 | 97 | 9 | 31 | 30 | 178 | 36 | 1.23 | .45 | 10 | |
| Boise City | 57.3 | 90 | 9 | 29 | 16 | 255 | 15 | .92 | .61 | 1 | Kenton | 56.7 | 89 | 9 | 27 | 16 | 268 | 12 | .36 | .21 | 10 | |
| Buffalo | 63.0 | 100 | 9 | 32 | 30 | 127 | 64 | 2.62 | 1.27 | 12 | Slapout | 62.3 | 97 | 9 | 33 | 16 | 139 | 54 | 2.06 | .92 | 12 | |
| Eva | 58.1 | 95 | 9 | 26 | 16 | 237 | 23 | .61 | .27 | 1 | | | | | | | | | | | | |
| NORTH CENTRAL | | | | | | | | | | | | | | | | | | | | | | |
| Alva | 63.1 | 100 | 9 | 35 | 30 | 120 | 60 | 2.78 | 1.11 | 26 | May Ranch | 62.9 | 99 | 9 | 39 | 16 | 121 | 57 | 2.36 | 1.24 | 13 | |
| Blackwell | 62.5 | 96 | 8 | 31 | 30 | 135 | 58 | 3.28 | 1.30 | 10 | Medford | 63.1 | 96 | 9 | 34 | 30 | 122 | 63 | 2.88 | .97 | 13 | |
| Breckinridge | 63.3 | 97 | 8 | 33 | 30 | 123 | 70 | 3.91 | 2.03 | 10 | Newkirk | 63.0 | 94 | 8 | 36 | 30 | 124 | 61 | 5.03 | 2.01 | 10 | |
| Cherokee | 63.2 | 97 | 9 | 33 | 30 | 123 | 66 | 1.56 | .70 | 10 | Red Rock | 63.7 | 96 | 8 | 33 | 30 | 113 | 72 | 5.79 | 1.67 | 10 | |
| Fairview | 64.7 | 97 | 9 | 35 | 30 | 89 | 78 | 2.16 | .67 | 13 | Seiling | 63.2 | 97 | 9 | 31 | 30 | 119 | 63 | 1.59 | .55 | 13 | |
| Freedom | 63.3 | 102 | 9 | 32 | 16 | 119 | 67 | 2.19 | .90 | 26 | Woodward | 63.8 | 101 | 9 | 34 | 16 | 107 | 70 | 1.92 | .64 | 13 | |
| Lahoma | 63.6 | 95 | 9 | 39 | 30 | 114 | 72 | 2.57 | .69 | 10 | | | | | | | | | | | | |
| NORTHEAST | | | | | | | | | | | | | | | | | | | | | | |
| Bixby | 64.2 | 93 | 9 | 35 | 30 | 112 | 85 | 5.12 | 1.36 | 13 | Pawnee | 64.3 | 94 | 8 | 33 | 30 | **** | **** | 4.42 | 1.03 | 10 | |
| Burbank | 63.0 | 95 | 8 | 31 | 30 | 127 | 66 | 4.73 | 1.58 | 11 | Porter | 64.3 | 92 | 9 | 39 | 30 | 107 | 87 | 7.04 | 2.14 | 10 | |
| Copan | 63.1 | 91 | 8 | 33 | 30 | 123 | 63 | 4.10 | 1.15 | 10 | Pryor | 63.1 | 92 | 8 | 34 | 30 | 134 | 74 | 5.29 | 1.32 | 27 | |
| Foraker | 63.3 | 92 | 8 | 36 | 30 | 121 | 67 | 5.17 | 1.28 | 27 | Skiatook | 64.2 | 90 | 9 | 36 | 30 | 103 | 78 | 4.34 | 1.20 | 13 | |
| Inola | 63.3 | 92 | 8 | 34 | 30 | 126 | 74 | 5.27 | 1.07 | 10 | Talala | 63.4 | 93 | 9 | 36 | 30 | 120 | 71 | 4.37 | 1.54 | 13 | |
| Jay | 62.2 | 89 | 8 | 34 | 30 | 155 | 67 | 6.58 | 1.92 | 28 | Tulsa | 65.1 | 92 | 8 | 39 | 30 | 96 | 99 | 5.40 | 1.53 | 2 | |
| Miami | 62.1 | 90 | 9 | 35 | 30 | 150 | 61 | 7.95 | 1.92 | 28 | Vinita | 62.5 | 93 | 9 | 33 | 30 | 147 | 69 | 5.18 | 1.54 | 13 | |
| Nowata | 62.3 | 92 | 9 | 32 | 30 | 146 | 62 | 4.97 | 1.60 | 13 | Wynona | 63.9 | 93 | 9 | 34 | 30 | 107 | 74 | 6.03 | 2.22 | 10 | |
| WEST CENTRAL | | | | | | | | | | | | | | | | | | | | | | |
| Bessie | 65.7 | 96 | 8 | 38 | 30 | **** | **** | .67 | .44 | 2 | Erick | 63.8 | 97 | 9 | 32 | 30 | 113 | 75 | 1.43 | .65 | 2 | |
| Butler | 64.0 | 98 | 8 | 31 | 30 | 109 | 78 | 2.34 | 1.20 | 13 | Putnam | 63.7 | 95 | 8 | 37 | 16 | 107 | 67 | 2.06 | .95 | 2 | |
| Camargo | 62.6 | 98 | 8 | 31 | 30 | 127 | 52 | 1.69 | .63 | 13 | Watonga | 64.9 | 95 | 8 | 42 | 30 | 84 | 82 | 2.32 | .68 | 26 | |
| Cheyenne | 64.5 | 95 | 9 | 40 | 16 | 95 | 80 | 2.65 | .95 | 13 | Weatherford | 65.1 | 96 | 8 | 37 | 16 | 88 | 91 | 2.26 | .92 | 2 | |
| Elk City | 64.8 | 97 | 9 | 38 | 16 | 85 | 79 | 1.87 | .72 | 13 | | | | | | | | | | | | |
| CENTRAL | | | | | | | | | | | | | | | | | | | | | | |
| Acme | 64.8 | 95 | 8 | 33 | 30 | 98 | 91 | 2.85 | 1.03 | 13 | Norman | 64.9 | 94 | 8 | 36 | 30 | 87 | 85 | 4.48 | 1.57 | 10 | |
| Bristow | 63.2 | 93 | 9 | 32 | 30 | 120 | 65 | 7.13 | 2.14 | 15 | Oilton | 63.2 | 92 | 9 | 32 | 30 | 126 | 69 | 5.86 | 1.76 | 27 | |
| Lake Carl Blac | 62.8 | 94 | 8 | 30 | 30 | 130 | 61 | 3.45 | 1.35 | 10 | OKC East | 64.3 | 93 | 8 | 35 | 30 | 99 | 78 | 4.48 | 1.35 | 10 | |
| Chandler | 64.6 | 92 | 8 | 35 | 30 | 88 | 76 | 5.05 | 1.23 | 2 | Okemah | 64.3 | 91 | 9 | 32 | 30 | 100 | 77 | 6.63 | 3.08 | 10 | |
| Chickasha | 64.7 | 97 | 8 | 32 | 30 | 97 | 89 | 4.60 | 1.89 | 10 | Perkins | 64.6 | 95 | 8 | 35 | 30 | 93 | 82 | 3.63 | 1.08 | 10 | |
| El Reno | 63.1 | 95 | 8 | 33 | 30 | 120 | 62 | 3.30 | 1.24 | 10 | Seminole | 64.9 | 91 | 8 | 38 | 30 | 85 | 80 | 4.06 | 1.61 | 27 | |
| Guthrie | 64.9 | 94 | 8 | 34 | 30 | 94 | 90 | 4.41 | 1.38 | 2 | Shawnee | 65.2 | 92 | 8 | 38 | 30 | 79 | 84 | 4.50 | 1.26 | 13 | |
| Kingfisher | 64.4 | 95 | 8 | 34 | 30 | 103 | 86 | 2.90 | 1.27 | 10 | Spencer | 65.1 | 95 | 8 | 35 | 30 | 85 | 87 | 4.17 | 1.33 | 10 | |
| Marena | 64.4 | 96 | 8 | 35 | 30 | 99 | 79 | 4.10 | 1.23 | 10 | Stillwater | 63.8 | 95 | 8 | 34 | 30 | 109 | 72 | 4.29 | 1.79 | 10 | |
| Mingo | 64.7 | 94 | 8 | 40 | 30 | 90 | 82 | 4.92 | 1.38 | 10 | Washington | 65.5 | 94 | 8 | 38 | 30 | 78 | 93 | 3.24 | 1.28 | 10 | |
| Marshall | 63.7 | 96 | 8 | 33 | 30 | 114 | 73 | 3.18 | 1.49 | 10 | Yukon | 64.5 | 94 | 8 | 35 | 30 | 96 | 81 | 3.03 | 1.11 | 10 | |
| EAST CENTRAL | | | | | | | | | | | | | | | | | | | | | | |
| Cookson | 63.4 | 94 | 9 | 36 | 30 | 135 | 87 | 8.83 | 2.56 | 13 | Sallisaw | 64.5 | 94 | 9 | 38 | 31 | 107 | 93 | 8.21 | 3.31 | 13 | |
| Eufaula | 65.0 | 92 | 9 | 37 | 30 | 90 | 90 | 5.43 | 1.48 | 27 | Stigler | 64.3 | 95 | 9 | 37 | 31 | 110 | 87 | 8.11 | 4.05 | 13 | |
| Haskell | 63.4 | 93 | 9 | 36 | 30 | 121 | 73 | 6.65 | 2.50 | 10 | Stuart | 65.4 | 91 | 8 | 39 | 30 | 83 | 94 | 3.75 | 1.45 | 13 | |
| Hectorville | 65.1 | 93 | 9 | 36 | 30 | 92 | 96 | 6.38 | 2.21 | 15 | Tahlequah | 62.6 | 92 | 9 | 34 | 30 | 146 | 73 | 8.04 | 1.93 | 13 | |
| Holdenville | 65.4 | 91 | 8 | 38 | 30 | 77 | 91 | 4.39 | 1.53 | 13 | Webbers Falls | 64.0 | 96 | 9 | 38 | 31 | 116 | 85 | 7.04 | 2.68 | 13 | |
| McAlester | 65.0 | 92 | 9 | 34 | 30 | 92 | 93 | 6.12 | 3.74 | 13 | Westville | 62.3 | 91 | 8 | 37 | 30 | 149 | 66 | 7.82 | 2.26 | 13 | |
| Okmulgee | 63.6 | 93 | 9 | 35 | 30 | 117 | 73 | 5.78 | 2.82 | 10 | | | | | | | | | | | | |
| SOUTHWEST | | | | | | | | | | | | | | | | | | | | | | |
| Altus | 66.5 | 99 | 8 | 36 | 30 | 70 | 117 | 2.07 | .74 | 2 | Hollis | 66.2 | 100 | 9 | 37 | 16 | 70 | 108 | 1.01 | .53 | 13 | |
| Apache | 65.3 | 95 | 8 | 40 | 30 | 80 | 89 | 4.56 | 2.48 | 10 | Mangum | 65.1 | 97 | 8 | 32 | 30 | 92 | 94 | 2.55 | 1.57 | 2 | |
| Fort Cobb | 64.6 | 96 | 8 | 35 | 30 | 92 | 80 | 4.72 | 1.31 | 10 | Medicine Park | 67.1 | 95 | 8 | 45 | 30 | 54 | 118 | 2.57 | .92 | 13 | |
| Grandfield | 67.6 | 100 | 8 | 39 | 30 | 59 | 141 | 1.35 | .51 | 13 | Tipton | 66.6 | 98 | 8 | 37 | 30 | 70 | 121 | 2.83 | .95 | 2 | |
| Hinton | 64.2 | 95 | 8 | 36 | 30 | 101 | 76 | 3.21 | 1.00 | 10 | Walters | 66.6 | 96 | 8 | 38 | 30 | 65 | 114 | 1.95 | .60 | 26 | |
| Hobart | 65.5 | 97 | 8 | 36 | 30 | 84 | 101 | 4.28 | 1.62 | 10 | | | | | | | | | | | | |
| SOUTH CENTRAL | | | | | | | | | | | | | | | | | | | | | | |
| Ada | 64.8 | 92 | 8 | 35 | 30 | 86 | 81 | 4.59 | 1.80 | 27 | Lane | 65.5 | 91 | 9 | 36 | 30 | 76 | 91 | 5.33 | 2.89 | 13 | |
| Ardmore | 67.1 | 93 | 8 | 38 | 30 | 53 | 120 | 2.29 | 1.23 | 27 | Madill | 66.7 | 93 | 8 | 33 | 30 | 61 | 115 | 3.22 | 1.79 | 13 | |
| Burneyville | 66.3 | 93 | 8 | 33 | 30 | 71 | 111 | 2.97 | 1.71 | 13 | Newport | 67.2 | 94 | 8 | 37 | 30 | 54 | 122 | 1.93 | 1.21 | 27 | |
| Byars | 66.0 | 92 | 8 | 38 | 30 | 66 | 98 | 3.17 | 1.46 | 27 | Pauls Valley | 65.4 | 92 | 8 | 35 | 30 | 75 | 89 | 2.72 | 1.05 | 27 | |
| Centrahoma | 65.1 | 92 | 8 | 32 | 30 | 84 | 87 | 3.38 | 1.56 | 13 | Ringling | 67.0 | 92 | 9 | 35 | 30 | 63 | 124 | 2.82 | 1.55 | 27 | |
| Durant | 67.6 | 92 | 9 | 38 | 30 | 48 | 128 | 3.55 | 1.88 | 13 | Sulphur | 65.0 | 92 | 8 | 31 | 30 | 84 | 85 | 4.94 | 2.31 | 10 | |
| Fittstown | 65.0 | 91 | 9 | 37 | 30 | 77 | 77 | 2.67 | 1.23 | 13 | Tishomingo | 65.7 | 91 | 8 | 37 | 30 | 69 | 90 | 3.45 | 1.84 | 13 | |
| Ketchum Ranch | 66.4 | 93 | 8 | 36 | 30 | 69 | 111 | 3.03 | 1.07 | 13 | Waurika | 66.9 | 95 | 8 | 36 | 30 | 66 | 125 | 3.05 | .90 | 13 | |
| SOUTHEAST | | | | | | | | | | | | | | | | | | | | | | |
| Antlers | 65.0 | 91 | 9 | 37 | 31 | 83 | 82 | 5.70 | 2.81 | 13 | Mt Herman | 65.0 | 90 | 9 | 38 | 30 | 93 | 92 | 3.65 | 1.31 | 27 | |
| Broken Bow | 65.9 | 91 | 9 | 37 | 31 | 74 | 101 | 4.17 | 1.18 | 27 | Talihina | 65.2 | 93 | 9 | 35 | 30 | 94 | 100 | 5.46 | 3.12 | 13 | |
| Clayton | 64.8 | 93 | 9 | 36 | 30 | 92 | 88 | 6.40 | 3.52 | 13 | Valliant | 66.4 | 93 | 9 | 37 | 30 | 72 | 117 | 4.51 | 1.20 | 27 | |
| Cloudy | 65.1 | 91 | 9 | 38 | 17 | 88 | 91 | 2.75 | 1.23 | 27 | Wilburton | 64.6 | 93 | 9 | 35 | 30 | 98 | 84 | 5.10 | 2.88 | 13 | |
| Hugo | 66.6 | 91 | 9 | 40 | 30 | 62 | 113 | 4.20 | 1.48 | 27 | Wister | 64.3 | 94 | 9 | 36 | 31 | 111 | 90 | 7.62 | 3.79 | 13 | |
| Idabel | 66.4 | 92 | 9 | 37 | 31 | 76 | 119 | 2.29 | .73 | 10 | | | | | | | | | | | | |

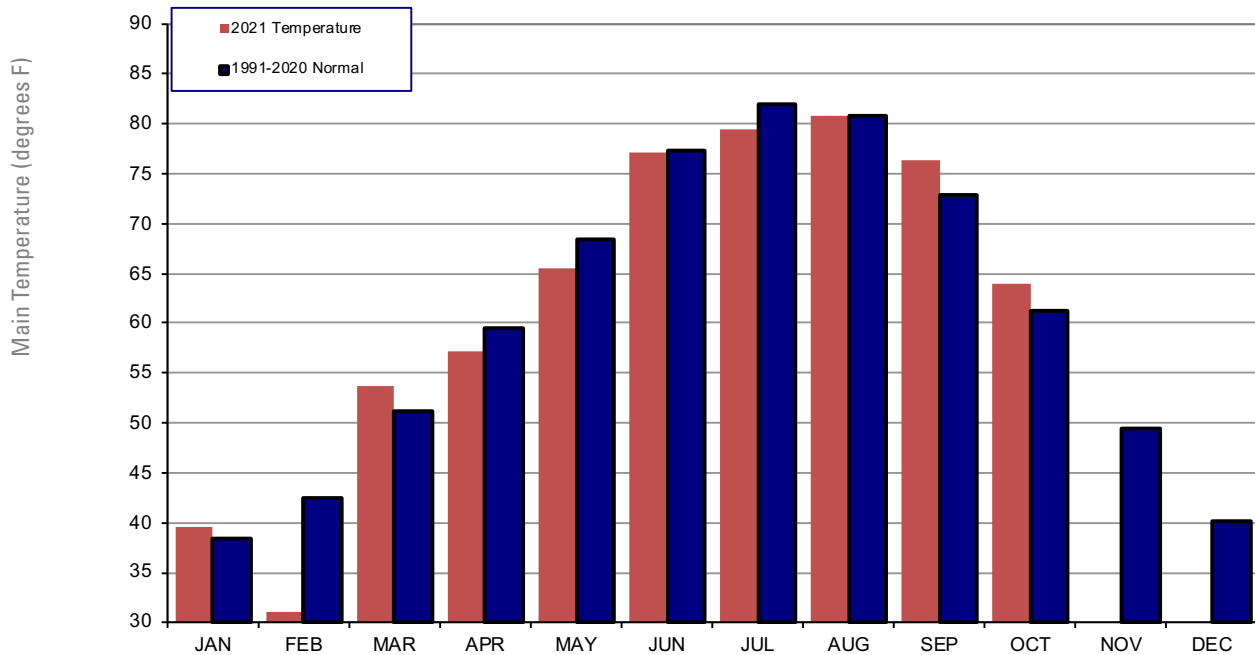
2021 STATEWIDE PRECIPITATION MONTHLY TOTALS VS. NORMAL



October 2021 Mesonet Precipitation Comparison

| Climate Division | Precipitation (inches) | Departure from Normal (inches) | Rank since 1895 | Wettest on Record (Year) | Driest on Record (Year) | Oct-20 (inches) |
|------------------|------------------------|--------------------------------|-----------------|--------------------------|-------------------------|-----------------|
| Panhandle | 1.44 | -0.41 | 56th Wettest | 6.84 (1923) | 0.03 (2001) | 1.84 |
| North Central | 2.92 | 0.00 | 42nd Wettest | 8.97 (1998) | 0.00 (1952) | 3.79 |
| Northeast | 5.37 | 1.60 | 23rd Wettest | 14.98 (1941) | 0.05 (1952) | 4.64 |
| West Central | 2.08 | -0.54 | 59th Wettest | 9.57 (1923) | 0.00 (1952) | 2.25 |
| Central | 4.28 | 0.87 | 30th Wettest | 13.34 (1941) | 0.03 (1952) | 3.90 |
| East Central | 6.66 | 2.43 | 20th Wettest | 14.00 (1941) | 0.15 (1963) | 4.00 |
| Southwest | 2.83 | 0.06 | 44th Wettest | 11.03 (1983) | 0.00 (1952) | 2.64 |
| South Central | 3.32 | -0.68 | 64th Driest | 14.83 (1981) | 0.09 (1921) | 2.08 |
| Southeast | 4.71 | 0.05 | 42nd Wettest | 12.89 (1984) | 0.20 (1924) | 3.30 |
| Statewide | 3.76 | 0.40 | 37th Wettest | 10.75 (1941) | 0.14 (1952) | 3.21 |

2021 STATEWIDE TEMPERATURE MONTHLY TOTALS VS. NORMAL



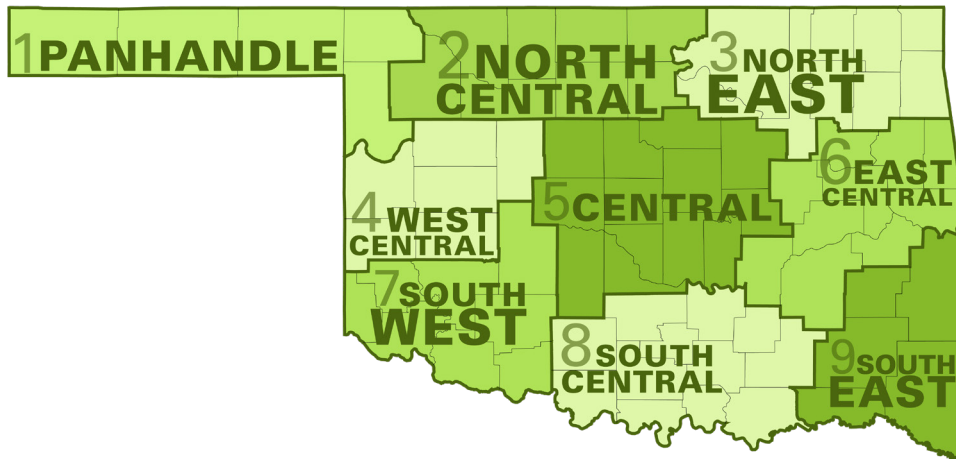
October 2021 Mesonet Temperature Comparison

| Climate Division | Average Temp (F) | Departure from Normal (F) | Rank since 1895 | Hottest on Record (Year) | Coldest on Record (Year) | Oct-20 (F) |
|------------------|------------------|---------------------------|-----------------|--------------------------|--------------------------|------------|
| Panhandle | 60.3 | 2.7 | 22nd Warmest | 65.9 (1963) | 50.1 (1925) | 54.7 |
| North Central | 63.4 | 3.3 | 17th Warmest | 68.9 (1963) | 51.6 (1925) | 56.7 |
| Northeast | 63.3 | 2.8 | 32nd Warmest | 70.2 (1963) | 53.9 (1925) | 57.1 |
| West Central | 63.6 | 2.9 | 17th Warmest | 68.5 (1963) | 52.1 (1925) | 57.2 |
| Central | 64.3 | 2.5 | 29th Warmest | 70.2 (1963) | 55.0 (2009) | 59.0 |
| East Central | 64.2 | 2.2 | 36th Warmest | 70.9 (1963) | 55.5 (1976) | 59.0 |
| Southwest | 65.9 | 3.0 | 17th Warmest | 70.2 (1963) | 55.4 (1925) | 59.8 |
| South Central | 66.1 | 2.6 | 27th Warmest | 71.0 (1963) | 56.8 (1976) | 60.2 |
| Southeast | 65.4 | 3.0 | 19th Warmest | 69.8 (1963) | 55.3 (1976) | 60.3 |
| Statewide | 64.0 | 2.7 | 22nd Warmest | 69.5 (1963) | 54.6 (1925) | 58.2 |

MESONET EXTREMES FOR OCTOBER 2021

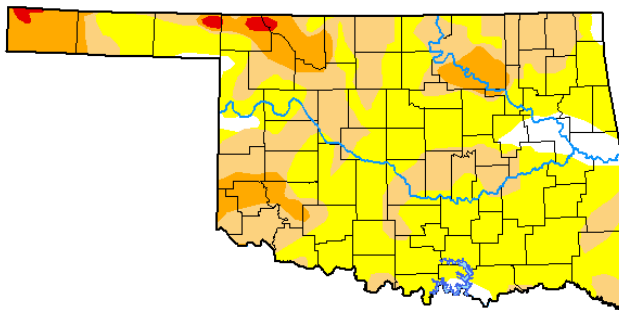
| Climate Division | High Temp (F) | Day | Station | Low Temp (F) | Day | Station | High Monthly Rainfall (inches) | Station | High Daily Rainfall (inches) | Day | Station |
|------------------|---------------|-----|---------------|--------------|------|---------------------|--------------------------------|-----------|------------------------------|------|--------------|
| Panhandle | 100 | 9th | Buffalo | 26 | 16th | Eva | 2.62 | Buffalo | 1.27 | 12th | Buffalo |
| North Central | 102 | 9th | Freedom | 31 | 30th | Blackwell | 5.79 | Red Rock | 2.03 | 10th | Breckinridge |
| Northeast | 95 | 8th | Burbank | 31 | 30th | Burbank | 7.95 | Miami | 2.22 | 10th | Wynona |
| West Central | 98 | 8th | Camargo | 31 | 30th | Camargo | 2.65 | Cheyenne | 1.20 | 13th | Butler |
| Central | 97 | 8th | Chickasha | 30 | 30th | Lake Carl Blackwell | 7.13 | Bristow | 3.08 | 10th | Okemah |
| East Central | 96 | 9th | Webbers Falls | 34 | 30th | McAlester | 8.83 | Cookson | 4.05 | 13th | Stigler |
| Southwest | 100 | 8th | Grandfield | 32 | 30th | Mangum | 4.72 | Fort Cobb | 2.48 | 10th | Apache |
| South Central | 95 | 8th | Waurika | 31 | 30th | Sulphur | 5.33 | Lane | 2.89 | 13th | Lane |
| Southeast | 94 | 9th | Wister | 35 | 30th | Wilburton | 7.62 | Wister | 3.79 | 13th | Wister |
| Statewide | 102 | 9th | Freedom | 26 | 16th | Eva | 8.83 | Cookson | 4.05 | 13th | Stigler |

Oklahoma Climate Divisions



U.S. Drought Monitor Oklahoma

October 26, 2021
(Released Thursday, Oct. 28, 2021)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|---|-------|-------|-------|-------|-------|------|
| Current | 5.05 | 94.95 | 40.74 | 10.90 | 0.77 | 0.00 |
| Last Week 10-19-2021 | 6.04 | 93.96 | 38.42 | 10.90 | 0.77 | 0.00 |
| 3 Months Ago 07-27-2021 | 91.45 | 8.55 | 1.13 | 0.00 | 0.00 | 0.00 |
| Start of Calendar Year 12-29-2020 | 56.83 | 43.17 | 25.21 | 7.75 | 1.45 | 0.00 |
| Start of Water Year 09-28-2021 | 6.45 | 93.55 | 73.23 | 23.72 | 2.65 | 0.00 |
| One Year Ago 10-27-2020 | 47.94 | 52.06 | 32.42 | 15.58 | 3.61 | 0.00 |

Intensity:

- None
- 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. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

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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 is the State Climate Office for Oklahoma

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