October's weather was highly variable, and a bit too exciting at times as is usually the case during this transition period from summer to winter. Temperatures ranged from the teens to the 90 s and rainfall totals fluctuated from doubledigits to less than a quarter-inch. Flurries in the Panhandle as early as Oct. 11 brought the state its first snow of the season, although the sleds remained stored in the attic. The last of several cold fronts during the month provided trick-or-treaters with a chilly and sometimes damp search for candy. Severe weather seemed to get the most emphatic exclamation point of the month, however. Turbulent weather on the 21st brought severe winds, large hail and at least five tornadoes according to preliminary numbers from the National Weather Service. Twisters are not particularly uncommon during October. From 1950 through 2016, it had the fifth highest tornado count of any month with 130, and stands as the most active fall month. It is more uncommon

## October 2017 Statewide Extremes

| Description | Extreme | Station | Day |
| :--- | :---: | :---: | :---: |
| High Temperature | $94^{\circ} \mathrm{F}$ | Idabel, <br> Valliant | 9 |
| Low Temperature | $18^{\circ} \mathrm{F}$ | Buffalo | 28 |
| High Precipitation | 10.95 in. | Pawnee | -- |
| Low Precipitation | 0.16 in. | Kenton | -- |

to have a tornado strike a venue where The Beach Boys are performing, however. An EF1 tornado touched down on the east side of Newcastle and moved along State Highway 9 into the Norman area, striking the site of the concert at the Riverwind Casino. Minor damage was reported at the facility, and no injuries were noted. Another EF1 tornado moved through the northwest outskirts of Seminole, damaging homes and businesses. An additional three tornadoes were being investigated in southwest Oklahoma. The preliminary count for the year rose to 81 tornadoes, well above the 19502016 annual average of 56.

According to preliminary data from the Oklahoma Mesonet, the statewide average precipitation total finished at 3.43 inches, 0.11 inches below normal to rank as the 42nd wettest October since records began in 1895. Pawnee led the Mesonet with 10.95 inches for the month, more than 7 inches above normal. That surrounding area in the northeast
saw widespread totals of 6-9 inches. Kenton measured a measly 0.16 inches, more than an inch below normal for that portion of the state. Twenty-nine of the Mesonet's 120 stations recorded at least 5 inches of rain, and another 20 had at least 4 inches. Deficits of 1-3 inches were evident across northwestern and southern Oklahoma. The year was still on pace to finish significantly wet with a statewide average of 37.09 inches, 5.16 inches above normal to rank as the 12th wettest January-October since 1895.

Temperatures went on a roller coaster ride during October with wild swings between storm systems and fronts. Those extreme temperature variations were epitomized on Oct. 9 during the passage of a strong cold front. At one point that afternoon, the wind chill was 29 degrees in Boise City and the heat index was 97 degrees in Durant. The Mesonet's actual air temperatures during October ranged from 94

October 2017 Statewide Statistics
Temperature

|  | Average | Depart. | Rank (1895-2017) |
| :--- | :---: | ---: | :--- |
| Month (October) | $61.6^{\circ} \mathrm{F}$ | $0.7^{\circ} \mathrm{F}$ | 58th Coolest |
| Season-to-Date <br> (Sep-Oct) | $67.3^{\circ} \mathrm{F}$ | $0.8^{\circ} \mathrm{F}$ | 59th Warmest |
| Year-to-Date <br> (Jan-Oct) | $64.7^{\circ} \mathrm{F}$ | $1.6^{\circ} \mathrm{F}$ | 18th Warmest |

Precipitation

|  | Total | Depart. | Rank (1895-2017) |
| :--- | :--- | :--- | :--- |
| Month (October) | 3.43 in. | -0.11 in. | 42nd Wettest |
| Season-to-Date <br> (Sep-Oct) | 5.97 in. | -1.10 in. | 61st Driest |
| Year-to-Date <br> (Jan-Oct) | 37.09 in. | -5.16 in. | 12th Wettest |

Depart. = departure from 30-year normal
degrees at Idabel and Valliant to 18 degrees at Buffalo on the 28th. The season's first freeze occurred on Oct. 10 in the far northwest. Most of the state had experienced a hard freeze (at or below 28 degrees) by the end of the month. The statewide average for October finished 0.7 degrees above normal at 61.6 degrees, although that ranked as the 57th coolest on record. The year remained on the warm side with
a January-October statewide average of 64.7 degrees, 1.6 degrees above normal and the 18th warmest such period on record.

OCTOBER 2017 OBSERVED PRECIPITATION


Observed Rainfall
Current Month
Oct 01, 2017 through Oct 31, 2017

## OCTOBER 2017 DEPARTURE FROM NORMAL PRECIPITATION



Departure from 1981-2010 Normal Rainfall Current Month

## OCTOBER 2017 PERCENT OF NORMAL PRECIPITATION



## OCTOBER 2017 AVERAGE TEMPERATURE



OCTOBER 2017 DEPARTURE FROM NORMAL TEMPERATURE


## MESONET MONTHLY SUMMARY FOR OCTOBER 2017

| NAME | $\begin{aligned} & \text { MEAN } \\ & \text { TEMP } \end{aligned}$ | $\begin{aligned} & \text { HIGH } \\ & \text { TEMP } \end{aligned}$ | DAY | $\begin{aligned} & \text { LOW } \\ & \text { TEMP } \end{aligned}$ | DAY | HDD | CDD | $\begin{aligned} & \text { TOT } \\ & \text { PPT } \end{aligned}$ | $\begin{aligned} & \text { HIGH } \\ & 24-H R \end{aligned}$ | DAY | NAME | $\begin{aligned} & \text { MEAN } \\ & \text { TEMP } \end{aligned}$ | $\begin{aligned} & \text { HIGH } \\ & \text { TEMP } \end{aligned}$ | DAY | $\begin{aligned} & \text { LOW } \\ & \text { TEMP } \end{aligned}$ | DAY | HDD | CDD |  | $\begin{aligned} & \text { HIGH } \\ & 24-H R \end{aligned}$ | DAY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PANHANDLE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Arnett | 59.9 | 89 | 14 | 21 | 28 | 210 | 52 | 1.72 | 1.07 | 5 | Goodwel 1 | 57.7 | 89 | 12 | 25 | 27 | 264 | 37 | 1.32 | . 64 | 4 |
| Beaver | 58.3 | 91 | 14 | 22 | 28 | 252 | 45 | . 86 | . 51 | 5 | Hooker | 57.6 | 90 | 14 | 24 | 28 | 269 | 38 | 1.09 | . 66 | 4 |
| Boise City | 55.3 | 85 | 12 | 25 | 27 | 310 | 9 | . 61 | . 42 | 4 | Kenton | 55.7 | 86 | 12 | 26 | 27 | 305 | 15 | . 16 | . 08 | 5 |
| Buffalo | 60.5 | 89 | 14 | 18 | 28 | 216 | 75 | . 97 | . 45 | 6 | Slapout | 59.3 | 90 | 12 | 25 | 28 | 214 | 39 | 1.11 | . 50 | 6 |
| Eva | 56.1 | 88 | 12 | 25 | 28 | 304 | 28 | 1.34 | . 95 | 4 |  |  |  |  |  |  |  |  |  |  |  |
| NORTH CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Alva | 61.2 | 89 | 14 | 19 | 28 | 195 | 76 | 1.38 | . 89 | 6 | May Ranch | 60.7 | 88 | 14 | 23 | 28 | 193 | 61 | . 94 | . 61 | 6 |
| Blackwell | 60.9 | 90 | 14 | 22 | 28 | 207 | 79 | 5.28 | 2.68 | 4 | Medford | 61.0 | 91 | 14 | 23 | 28 | 203 | 79 | 2.71 | . 76 | 5 |
| Breckinridge | 61.6 | 90 | 14 | 26 | 28 | 193 | 89 | 3.67 | 1.93 | 4 | Newkirk | 60.5 | 89 | 14 | 23 | 28 | 215 | 76 | 3.43 | 1.43 | 21 |
| Cherokee | 61.9 | 89 | 14 | 22 | 28 | 187 | 92 | 1.14 | . 68 | 6 | Red Rock | 61.5 | 90 | 14 | 24 | 28 | 200 | 92 | 9.72 | 6.93 | 4 |
| Fairview | 62.3 | 92 | 14 | 26 | 28 | 171 | 87 | 2.54 | . 80 | 4 | Seiling | 61.1 | 87 | 13 | 21 | 28 | 199 | 79 | 1.57 | . 90 | 6 |
| Freedom | 60.8 | 90 | 14 | 19 | 28 | 200 | 70 | 1.30 | . 73 | 6 | Woodward | 61.1 | 89 | 14 | 21 | 28 | 193 | 73 | 1.16 | . 56 | 5 |
| Lahoma | 61.7 | 91 | 14 | 24 | 28 | 184 | 83 | 2.27 | . 56 | 5 |  |  |  |  |  |  |  |  |  |  |  |
| NORTHEAST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bixby | 61.6 | 89 | 9 | 29 | 29 | 195 | 91 | 6.10 | 3.16 | 4 | Pawnee | 62.0 | 90 | 14 | 28 | 28 | 192 | 98 | 10.95 | 7.72 | 4 |
| Burbank | 60.8 | 90 | 14 | 24 | 28 | 216 | 84 | 6.55 | 3.54 | 4 | Porter | 62.6 | 90 | 9 | 29 | 28 | 178 | 102 | 6.33 | 3.25 | 4 |
| Copan | 61.2 | 89 | 14 | 27 | 31 | 202 | 84 | 4.16 | 1.48 | 21 | Pryor | 60.7 | 90 | 9 | 26 | 28 | 219 | 85 | 7.22 | 3.06 | 4 |
| Foraker | 60.7 | 89 | 14 | 24 | 28 | 212 | 79 | 4.24 | 1.64 | 21 | Skiatook | 62.0 | 88 | 14 | 27 | 28 | 182 | 89 | 9.78 | 6.88 | 4 |
| Inola | 61.0 | 89 | 9 | 27 | 28 | 209 | 84 | 6.77 | 3.10 | 4 | Talala | 61.2 | 89 | 14 | 24 | 28 | 205 | 88 | 5.37 | 2.20 | 4 |
| Jay | 60.5 | 88 | 9 | 26 | 28 | 224 | 86 | 3.87 | 1.16 | 21 | Tulsa | 63.0 | 89 | 14 | 29 | 28 | 164 | 102 | 7.13 | 3.81 | 4 |
| Miami | 60.1 | 87 | 9 | 27 | 29 | 227 | 76 | 4.20 | . 93 | 21 | Vinita | 59.8 | 88 | 9 | 23 | 28 | 236 | 73 | 4.96 | 1.32 | 21 |
| Nowata | 60.0 | 88 | 14 | 25 | 28 | 231 | 76 | 4.27 | 1.48 | 4 | Wynona | 61.7 | 90 | 14 | 27 | 28 | 191 | 88 | 6.33 | 3.67 | 4 |
| WEST CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bessie | 61.9 | 89 | 14 | 23 | 28 | 176 | 80 | 2.36 | 1.20 | 4 | Erick | 61.1 | 88 | 14 | 25 | 28 | 193 | 71 | 2.34 | 1.24 | 4 |
| Butler | 61.6 | 89 | 14 | 20 | 28 | 189 | 85 | 2.61 | 1.08 | 5 | Putnam | 61.1 | 89 | 14 | 22 | 28 | 193 | 73 | 2.21 | . 78 | 6 |
| Camargo | 60.0 | 89 | 14 | 20 | 28 | 215 | 61 | 3.11 | 1.24 | 4 | Watonga | 62.0 | 88 | 14 | 27 | 28 | 180 | 85 | ***** | ***** | *** |
| Cheyenne | 61.2 | 87 | 14 | 29 | 28 | 178 | 59 | 1.97 | 1.07 | 5 | Weatherford | 61.0 | 86 | 14 | 24 | 28 | 195 | 70 | 5.33 | 2.52 | 4 |
| Elk City | 61.5 | 89 | 14 | 30 | 28 | 178 | 68 | 2.18 | . 91 | 4 |  |  |  |  |  |  |  |  |  |  |  |
| CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Acme | 62.4 | 89 | 14 | 22 | 28 | 187 | 105 | 2.65 | 1.33 | 21 |  |  |  |  |  |  |  |  |  |  |  |
| Bowlegs | 62.1 | 89 | 14 | 27 | 28 | 187 | 98 | 3.52 | 1.40 | 21 | Norman | 62.8 | 89 | 14 | 27 | 28 | 171 | 103 | 4.47 | 2.33 | 4 |
| Bristow | 60.9 | 90 | 14 | 24 | 28 | 215 | 87 | 5.67 | 3.00 | 4 | 0ilton | 61.4 | 89 | 14 | 24 | 28 | 207 | 96 | 6.90 | 3.44 | 4 |
| Lake Carl Blac | 61.2 | 91 | 14 | 24 | 28 | 207 | 90 | 6.93 | 4.15 | 4 | OKC East | 62.5 | 88 | 14 | 29 | 28 | 178 | 102 | 3.81 | 1.47 | 21 |
| Chandler | 62.3 | 89 | 14 | 27 | 28 | 182 | 98 | 4.76 | 1.87 | 4 | OKC North | 63.6 | 89 | 14 | 28 | 28 | 159 | 114 | 5.04 | 2.75 | 4 |
| Chickasha | 62.4 | 90 | 14 | 28 | 28 | 181 | 102 | 3.49 | 1.86 | 21 | Okemah | 61.8 | 89 | , | 27 | 28 | 192 | 94 | 3.54 | 1.24 | 4 |
| E1 Reno | 61.2 | 88 | 14 | 23 | 28 | 202 | 85 | 4.28 | 2.43 | 4 | Perkins | 62.2 | 91 | 14 | 27 | 28 | 186 | 101 | 5.66 | 2.63 | 4 |
| Guthrie | 62.6 | 89 | 14 | 26 | 28 | 179 | 105 | 6.43 | 3.76 | 4 | Shawnee | 62.5 | 89 | 14 | 29 | 28 | 175 | 98 | 5.50 | 2.32 | 4 |
| Kingfisher | 62.4 | 91 | 14 | 27 | 28 | 179 | 98 | 4.51 | 2.14 | 4 | Spencer | 62.9 | 89 | 14 | 25 | 28 | 176 | 110 | 5.18 | 2.15 | 4 |
| Marena | 61.7 | 90 | 14 | 25 | 28 | 191 | 88 | 5.49 | 3.22 | 4 | Stillwater | 61.9 | 90 | 14 | 28 | 28 | 193 | 96 | 6.36 | 3.56 | 4 |
| Minco | 61.8 | 87 | 14 | 27 | 28 | 180 | 81 | 4.63 | 2.33 | 4 | Washington | 62.2 | 89 | 14 | 28 | 28 | 181 | 93 | 2.26 | 1.15 | 21 |
| Marshal 1 | 61.9 | 90 | 14 | 25 | 28 | 194 | 97 | 5.01 | 2.56 | 4 |  |  |  |  |  |  |  |  |  |  |  |
| EAST CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cookson | 61.0 | 90 | 9 | 23 | 28 | 209 | 86 | 4.58 | 1.20 | 22 | Sallisaw | 62.3 | 92 | 9 | 27 | 29 | 184 | 100 | 3.41 | 1.15 | 22 |
| Eufaula | 63.1 | 90 | 9 | 30 | 28 | 166 | 107 | 5.99 | 2.28 | 3 | Stigler | 61.3 | 91 |  | 26 | 29 | 196 | 82 | 3.01 | 1.22 | 21 |
| Haskel 1 | 61.3 | 90 | 9 | 27 | 28 | 205 | 89 | 5.47 | 2.76 | 4 | Stuart | 63.0 | 89 |  | 28 | 28 | 170 | 107 | 3.08 | 1.14 | 3 |
| Hectorville | 62.8 | 89 | 9 | 28 | 28 | 171 | 102 | 5.69 | 2.81 | 4 | Tahlequah | 60.8 | 88 |  | 23 | 28 | 214 | 84 | 4.59 | 1.80 | 4 |
| Holdenville | 62.7 | 89 | 9 | 28 | 28 | 176 | 105 | 3.73 | 1.65 | 4 | Webbers Falls | 62.3 | 92 | , | 27 | 28 | 185 | 101 | 3.15 | 1.03 | 21 |
| McAlester | 62.2 | 90 | 9 | 25 | 28 | 188 | 101 | 6.43 | 2.69 | 21 | Westville | 61.0 | 87 | 9 | 25 | 28 | 209 | 83 | 3.98 | 1.17 | 22 |
| 0 kmul gee | 60.9 | 90 | 9 | 26 | 28 | 212 | 85 | 4.65 | 2.22 | 4 |  |  |  |  |  |  |  |  |  |  |  |
| SOUTHWEST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Altus | 63.1 | 90 | 14 | 27 | 28 | 164 | 106 | 2.46 | 1.29 | 4 | Holl is | 62.7 | 90 | 14 | 27 | 28 | 170 | 98 | 1.33 | . 88 | 4 |
| Apache | 62.3 | 88 | 14 | 25 | 28 | 177 | 93 | 4.53 | 2.54 | 21 | Mangum | 62.9 | 92 | 14 | 24 | 28 | **** | **** | 1.49 | . 80 | , |
| Fort Cobb | 61.7 | 88 | 14 | 25 | 28 | 182 | 81 | 4.02 | 1.72 | 4 | Medicine Park | 63.2 | 88 | 14 | 32 | 28 | 150 | 95 | 4.57 | 2.91 | 21 |
| Grandfield | 64.2 | 91 | 14 | 29 | 28 | 142 | 118 | . 70 | . 32 | 4 | Tipton | 63.7 | 91 | 14 | 26 | 28 | 158 | 118 | 2.01 | . 87 | 5 |
| Hinton | 61.6 | 88 | 14 | 25 | 28 | 186 | 81 | 5.39 | 3.57 | 4 | Walters | 63.6 | 91 | 14 | 28 | 28 | 155 | 111 | 1.06 | . 67 | 21 |
| Hobart | 62.6 | 90 | 14 | 27 | 28 | 171 | 96 | 1.98 | 1.13 | 4 |  |  |  |  |  |  |  |  |  |  |  |
| SOUTH CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ada | 62.9 | 89 | 9 | 28 | 28 | 174 | 109 | 2.66 | 1.38 | 21 | Lane | 63.2 | 93 |  | 26 | 29 | 170 | 114 | 2.32 | . 69 | 21 |
| Ardmore | 64.3 | 92 | 9 | 28 | 28 | 148 | 126 | 2.13 | . 65 | 21 | Madil 1 | 64.1 | 91 | 9 | 25 | 28 | 158 | 129 | 2.08 | . 79 | 21 |
| Burneyville | 64.1 | 93 | 9 | 22 | 28 | 166 | 137 | 1.18 | . 52 | 21 | Newport | 64.3 | 91 | 9 | 29 | 28 | 152 | 130 | 1.02 | . 53 | 21 |
| Byars | 63.6 | 90 | 9 | 29 | 28 | 163 | 120 | 2.38 | 1.30 | 21 | Pauls Valley | 63.5 | 90 | 14 | 28 | 28 | 164 | 118 | 2.28 | 1.39 | 21 |
| Centrahoma | 62.6 | 92 | 9 | 24 | 28 | 186 | 112 | 2.55 | 1.31 | 21 | Ringling | 63.9 | 90 | 14 | 26 | 28 | 161 | 126 | . 77 | . 60 | 21 |
| Durant | 64.9 | 93 | 9 | 28 | 28 | 136 | 133 | 3.72 | 1.40 | 21 | Sulphur | 62.5 | 90 |  | 23 | 28 | 193 | 114 | 1.60 | . 88 | 21 |
| Fittstown | 62.4 | 90 | 9 | 27 | 28 | 174 | 95 | 2.26 | . 78 | 4 | Tishomingo | 62.8 | 92 | 9 | 28 | 29 | 178 | 111 | 1.83 | . 95 | 21 |
| Ketchum Ranch | 63.5 | 90 | 14 | 27 | 28 | 164 | 117 | 2.52 | 1.36 | 21 | Waurika | 64.4 | 93 | 14 | 26 | 28 | 152 | 134 | 1.79 | . 64 | 3 |
| SOUTHEAST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Antlers | 62.0 | 91 | 9 | 25 | 29 | 184 | 92 | 4.91 | 1.81 | 21 | Mt Herman | 63.1 | 91 | , | 27 | 29 | 170 | 112 | 3.53 | 2.01 | 22 |
| Broken Bow | 62.6 | 92 | 9 | 25 | 29 | 176 | 103 | 2.18 | 1.51 | 22 | Talihina | 62.5 | 93 | 9 | 23 | 29 | 194 | 118 | 4.08 | 1.31 | 22 |
| Clayton | 63.1 | 92 | 9 | 26 | 29 | 168 | 109 | 3.76 | 1.11 | 3 | Valliant | 63.6 | 94 |  | 24 | 29 | 167 | 125 | 3.18 | 2.08 | 22 |
| Cloudy | 62.7 | 93 | 9 | 25 | 29 | 174 | 102 | 3.59 | 1.35 | 22 | Wilburton | 62.1 | 90 | 9 | 26 | 28 | 190 | 99 | 4.58 | 2.02 | 21 |
| Hugo | 64.3 | 92 | 9 | 28 | 29 | 143 | 121 | 3.30 | 1.14 | 22 | Wister | 61.1 | 93 | 9 | 23 | 29 | 205 | 84 | 4.25 | 1.63 | 22 |
| Idabe 1 | 64.1 | 94 | 9 | 26 | 29 | 156 | 128 | 2.01 | 1.67 |  |  |  |  |  |  |  |  |  |  |  |  |

2017 STATEWIDE PRECIPITATION MONTHLY TOTALS VS. NORMAL


October 2017 Mesonet Precipitation Comparison

| Climate Division | Precipitation <br> (inches) | Departure from <br> Normal (inches) | Rank since 1895 | Wettest on Record <br> (Year) | Driest on <br> Record (Year) | Oct-16 <br> (inches) |
| :--- | :---: | :---: | :--- | :--- | :--- | :--- |
| Panhandle | 1.02 | -0.68 | 57th Driest | $6.84(1923)$ | $0.03(2001)$ | 0.26 |
| North Central | 2.85 | -0.06 | 38th Wettest | $8.97(1998)$ | $0.00(1952)$ | 2.27 |
| Northeast | 6.14 | 2.36 | 15th Wettest | $14.98(1941)$ | $0.05(1952)$ | 4.86 |
| West Central | 2.76 | 0.00 | 36th Wettest | $9.57(1923)$ | $0.00(1952)$ | 0.67 |
| Central | 4.66 | 0.91 | 25th Wettest | $13.34(1941)$ | $0.03(1952)$ | 1.49 |
| East Central | 4.44 | 0.00 | 44th Wettest | $14.00(1941)$ | $0.15(1963)$ | 2.81 |
| Southwest | 2.80 | -0.35 | 44th Wettest | $11.03(1983)$ | $0.00(1952)$ | 0.94 |
| South Central | 2.07 | -2.30 | 42nd Driest | $14.83(1981)$ | $0.09(1921)$ | 1.95 |
| Southeast | 3.58 | -1.38 | 61st Wettest | $12.89(1984)$ | $0.20(1924)$ | 1.04 |
| Statewide | 3.43 | -0.11 | 42nd Wettest | $10.75(1941)$ | $0.14(1952)$ | 1.87 |

2017 STATEWIDE TEMPERATURE MONTHLY TOTALS VS. NORMAL


October 2017 Mesonet Temperature Comparison

| Climate Division | Average <br> Temp (F) | Departure from Normal (F) | Rank since 1895 | Hottest on Record (Year) | Coldest on Record (Year) | Oct-16 (F) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Panhandle | 57.8 | 0.4 | 55th Coolest | 65.9 (1963) | 50.1 (1925) | 63.8 |
| North Central | 61.3 | 1.6 | 44th Warmest | 68.9 (1963) | 51.6 (1925) | 65.6 |
| Northeast | 61.2 | 1.0 | 60th Warmest | 70.2 (1963) | 53.9 (1925) | 66.3 |
| West Central | 61.3 | 1.0 | 57th Warmest | 68.5 (1963) | 52.1 (1925) | 65.9 |
| Central | 61.9 | 0.5 | 55th Coolest | 70.2 (1963) | 55.0 (2009) | 67.7 |
| East Central | 61.9 | 0.2 | 51st Coolest | 70.9 (1963) | 55.5 (1976) | 68.2 |
| Southwest | 62.7 | 0.2 | 54th Coolest | 70.2 (1963) | 55.4 (1925) | 68.0 |
| South Central | 63.6 | 0.3 | 53rd Coolest | 71.0 (1963) | 56.8 (1976) | 68.7 |
| Southeast | 62.9 | 0.9 | 58th Warmest | 69.8 (1963) | 55.3 (1976) | 68.3 |
| Statewide | 61.6 | 0.7 | 58th Coolest | 69.5 (1963) | 54.6 (1925) | 66.9 |

MESONET EXTREMES FOR OCTOBER 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 | 91 | 14th | Beaver | 18 | 28th | Buffalo | 1.72 | Arnett | 1.07 | 5th | Arnett |
| North Central | 92 | 14th | Fairview | 19 | 28th | Alva | 9.72 | Red Rock | 6.93 | 4th | Red Rock |
| Northeast | 90 | 9th | Porter | 23 | 28th | Vinita | 10.95 | Pawnee | 7.72 | 4th | Pawnee |
| West Central | 89 | 14th | Butler | 20 | 28th | Camargo | 5.33 | Weatherford | 2.52 | 4th | Weatherford |
| Central | 91 | 14th | Perkins | 22 | 28th | Acme | 6.93 | Lake Carl Blackwell | 4.15 | 4th | Lake Carl Blackwell |
| East Central | 92 | 9th | Webbers Falls | 23 | 28th | Cookson | 6.43 | McAlester | 2.81 | 4th | Hectorville |
| Southwest | 92 | 14th | Mangum | 24 | 28th | Mangum | 5.39 | Hinton | 3.57 | 4th | Hinton |
| South Central | 93 | 9th | Lane | 22 | 28th | Burneyville | 3.72 | Durant | 1.40 | 21st | Durant |
| Southeast | 94 | 9th | Valliant | 23 | 29th | Talihina | 4.91 | Antlers | 2.08 | 22nd | Valliant |
| Statewide | 94 | 9th | Valliant | 18 | 28th | Buffalo | 10.95 | Pawnee | 7.72 | 4th | Pawnee |

Oklahoma Climate Divisions


## U.S. Drought Monitor Oklahoma



October 24, 2017
(Released Thursday, Oct. 26, 2017) Valid 8 a.m. EDT

|  | Drought Conditions (Percent Area) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
| Current | 79.57 | 20.43 | 2.75 | 0.00 | 0.00 | 0.00 |
| Last Week <br> 10-17-2017 | 70.28 | 29.72 | 11.57 | 0.00 | 0.00 | 0.00 |
| 3 Months Ago <br> 07-25-2017 | 47.74 | 52.26 | 16.15 | 3.99 | 0.00 | 0.00 |
| Start of <br> Calendar Year <br> 01-03-2017 | 5.61 | 94.39 | 83.21 | 55.75 | 5.55 | 0.00 |
| Start of <br> water Year <br> 09-26-2017 | 64.46 | 35.54 | 0.77 | 0.00 | 0.00 | 0.00 |
| One Year Ago <br> 10-25-2016 | 47.43 | 52.57 | 25.04 | 4.26 | 0.00 | 0.00 |

Intensity:


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

Author:
Eric Luebehusen
U.S. Department of Agric ulture

## USDA U <br> 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/

## C OKLAHOMA CLIMATOLOGICAL SURVEY

Oklahoma Climatological Survey is the State Climate Office for Oklahoma

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