Hot and dry weather dominated Oklahoma's weather headlines for much of September, a drastic change from the extraordinarily mild and wet August the state had just experienced. Many wondered if fall's premiere would wait until October, but those fears were soon alleviated with the arrival of a strong storm system during the month's final week. High temperatures in the 50 s and 60 s along with generous rainfall amounts of 2-4 inches provided a pleasant burst of autumn for much of the state and a welcome bout of moisture for Oklahoma's wheat farmers. The gray, rainy weather managed to avoid southeastern Oklahoma, leaving that area of the state stuck in summer mode for a bit longer. Eastern Oklahoma saw dry conditions expand through the end of the month as drought tried to mount a comeback.

According to preliminary data from the Oklahoma Mesonet, the statewide average precipitation total was 2.60 inches,

September 2017 Statewide Extremes

| Description | Extreme | Station | Day |
| :--- | :---: | :--- | :---: |
| High Temperature | $101^{\circ} \mathrm{F}$ | Multiple | Multiple |
| Low Temperature | $44^{\circ} \mathrm{F}$ | Multiple | 7 |
| High Precipitation | 9.87 in. | Grandfield <br> Lloudy, | -- |
| Low Precipitation | 0.00 in. | Clago <br> Hugo |  |

0.93 inches below normal and the 50th driest September since records began in 1895. The statewide average failed to reflect the stark difference in rainfall amounts across the state, however. Much of the eastern third fell 3-4 inches below normal. Southeastern Oklahoma saw its driest September on record with an average of 0.45 inches, 3.82 inches below normal. The previous record low total of 0.57 inches was set during the significant drought years of 1931 and 1956. Parts of east central and south central Oklahoma experienced similar deficits. The Panhandle averaged 3.34 inches, 1.52 inches above normal to rank as their 16 th wettest September. West central and southwestern Oklahoma also saw a significant moisture surplus. The Mesonet sites at Cloudy and Hugo reported no rainfall for the month, and another six had a tenth of an inch or less. Grandfield recorded 9.87 inches to lead the state, a whopping 7.1 inches above normal. Of the 121 Mesonet sites, 46 recorded at least 3 inches of moisture. The year through September remained significantly wet with a statewide average of 33.52 inches, over 5 inches above
normal and the 13th wettest such period on record.

The state registered its last triple-digit temperature of September - and possibly the year - on the 21st with Beaver, Buffalo and Cherokee hitting 100 degrees. The heat was not over yet, however. While the northwestern half of the state cooled down a few days later with the arrival of the large storm system, the rest of the state continued to bake. The heat index rose to as high as 97 degrees on the 27th in Idabel in the far southeast. During that same period, highs across western Oklahoma were in the 50s and 60s. That final week's brush with milder air was enough to bring the September statewide average down to a more respectable 72.9 degrees, 0.6 degrees above normal. The month's highest temperature of 101 degrees occurred at several sites on two separate days. Triple-digit temperatures were uncommon, however. The 121 Mesonet sites reached 100 degrees a mere 10

## September 2017 Statewide Statistics

Temperature

|  | Average | Depart. | Rank (1895-2017) |
| :--- | :---: | :---: | :---: |
| Month <br> (September) | $72.9^{\circ} \mathrm{F}$ | $0.6^{\circ} \mathrm{F}$ | 55th Coolest |
| Year-to-Date <br> (Jan-Sept) | $65.1^{\circ} \mathrm{F}$ | $1.7^{\circ} \mathrm{F}$ | 16th Warmest |

Precipitation

|  | Total | Depart. | Rank (1895-2017) |
| :--- | :---: | :---: | :--- |
| Month <br> (September) | 2.60 in. | 0.93 in. | 50th Driest |
| Year-to-Date <br> (Jan-Sept) | 33.52 in. | 5.13 in. | 13th Wettest |

Depart. $=$ departure from 30-year normal
times during September. The January-September statewide average of 65.1 degrees was 1.7 degrees above normal, the 16th warmest such period on record.

Oklahoma was drought free at the beginning of the month, and only 2 percent of the state was considered "abnormally dry" by the U.S. Drought Monitor. While not a drought designation, abnormally dry can indicate areas where drought development is likely. September's last Drought Monitor report listed 33 percent of the state in abnormally dry conditions and a little less than 1 percent suffering from moderate drought.

## SEPTEMBER 2017 OBSERVED PRECIPITATION



## SEPTEMBER 2017 DEPARTURE FROM NORMAL PRECIPITATION



## SEPTEMBER 2017 PERCENT OF NORMAL PRECIPITATION



## SEPTEMBER 2017 AVERAGE TEMPERATURE



## SEPTEMBER 2017 DEPARTURE FROM NORMAL TEMPERATURE



## MESONET MONTHLY SUMMARY FOR SEPTEMBER 2017

| NAME | $\begin{aligned} & \text { MEAN } \\ & \text { TFMP } \end{aligned}$ | $\begin{aligned} & \text { HIGH } \\ & \text { TEMP } \end{aligned}$ | 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 |  | $\begin{aligned} & \mathrm{HIGH} \\ & 24-\mathrm{HR} \end{aligned}$ | DAY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PANHANDLE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Arnett | 71.1 | 97 | 4 | 46 | 6 | 22 | 204 | 2.90 | 1.16 | 25 | Goodwe 11 | 70.1 | 98 | 14 | 47 | 6 | 40 | 194 | 5.23 | 2.25 | 23 |
| Beaver | 71.9 | 100 | 21 | 44 | 6 | 30 | 238 | 2.20 | 1.28 | 24 | Hooker | 70.3 | 98 | 14 | 46 | 6 | 37 | 197 | 2.72 | . 69 | 24 |
| Boise City | 66.7 | 92 | 14 | 45 | 20 | 66 | 117 | 4.96 | 1.91 | 23 | Kenton | 67.6 | 94 | 14 | 45 | 21 | 59 | 139 | 3.34 | 1.12 | 24 |
| Buffalo | 73.9 | 101 | 4 | 43 | 6 | 14 | 280 | 2.14 | 1.77 | 25 | Slapout | 71.8 | 99 | 4 | 48 | 6 | 28 | 233 | 3.25 | 2.22 | 25 |
| Eva | 67.9 | 97 | 14 | 45 | 6 | 51 | 138 | 3.29 | 1.12 | 25 |  |  |  |  |  |  |  |  |  |  |  |
| NORTH CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Alva | 73.7 | 100 | 14 | 45 | 6 | 9 | 269 | 1.75 | 1.13 | 25 | May Ranch | 73.2 | 99 | 14 | 48 | 6 | 13 | 260 | 3.12 | 2.34 | 25 |
| Blackwel 1 | 73.0 | 96 | 4 | 45 | 6 | 7 | 245 | 4.30 | 1.22 | 17 | Medford | 73.4 | 98 | 21 | 45 | 6 | 8 | 260 | 3.55 | 2.15 | 25 |
| Breckinridge | 73.9 | 98 | 21 | 46 | 6 | 8 | 274 | 3.40 | 1.46 | 25 | Newkirk | 72.6 | 93 | 19 | 47 | 6 | 8 | 235 | 1.93 | . 51 | 26 |
| Cherokee | 74.4 | 100 | 21 | 49 | 6 | 5 | 287 | 1.80 | . 88 | 2 | Red Rock | 74.0 | 99 | 4 | 46 | 6 | 5 | 275 | 4.29 | 2.09 | 26 |
| Fairview | 73.7 | 99 | 14 | 46 | 6 | 8 | 268 | 2.18 | . 96 | 25 | Seiling | 72.7 | 98 | 14 | 43 | 6 | 13 | 245 | 2.10 | 1.38 | 25 |
| Freedom | 73.5 | 101 | 14 | 44 | 6 | 11 | 266 | 1.69 | 1.03 | 25 | Woodward | 72.6 | 97 | 4 | 45 | 6 | 18 | 246 | 1.50 | . 80 | 25 |
| Lahoma | 73.6 | 97 | 21 | 50 | 6 | 8 | 264 | 2.11 | . 98 | 2 |  |  |  |  |  |  |  |  |  |  |  |
| NORTHEAST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bixby | 73.0 | 94 | 4 | 47 | 6 | 3 | 242 | 1.35 | . 67 | 27 | Pawnee | 73.1 | 94 | 4 | 47 | 6 | 5 | 249 | 4.34 | 2.27 | 26 |
| Burbank | 72.9 | 97 | 4 | 44 | 6 | 7 | 244 | 3.56 | 1.65 | 26 | Porter | 73.7 | 94 | 4 | 49 | 7 | 1 | 261 | . 50 | . 27 | 17 |
| Copan | 72.6 | 94 | 4 | 46 | 6 | 7 | 234 | 1.66 | . 75 | 17 | Pryor | 72.3 | 94 | 20 | 43 | 6 | 7 | 227 | . 49 | . 42 | 17 |
| Foraker | 72.3 | 93 | 4 | 46 | 6 | 9 | 228 | 2.10 | 1.51 | 26 | Skiatook | 73.9 | 93 | 16 | 49 | 6 | 5 | 271 | 1.93 | . 85 | 17 |
| Inola | 72.7 | 94 | 20 | 47 | 7 | 4 | 234 | . 51 | . 29 | 17 | Talala | 73.3 | 95 | 20 | 48 | 6 | 5 | 254 | 1.58 | 1.04 | 27 |
| Jay | 71.8 | 92 | 20 | 43 | 6 | 13 | 217 | 1.62 | 1.59 | 17 | Tulsa | 75.0 | 96 | 4 | 52 | 7 | 1 | 300 | 1.74 | . 86 | 27 |
| Miami | 71.5 | 92 | 20 | 46 | 6 | 10 | 205 | 3.41 | 2.00 | 17 | Vinita | 72.0 | 95 | 4 | 44 | 7 | 9 | 218 | 2.16 | 1.18 | 17 |
| Nowata | 71.5 | 93 | 4 | 43 | 6 | 12 | 206 | 2.77 | 1.77 | 17 | Wynona | 73.0 | 94 | 16 | 48 | 6 | 5 | 243 | 3.26 | 1.50 | 17 |
| WEST CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bessie | 72.6 | 96 | 14 | 49 | 6 | 9 | 237 | 2.37 | . 89 | 25 | Erick | 71.0 | 97 | 4 | 45 | 6 | 11 | 190 | 4.07 | 2.79 | 25 |
| Butler | 72.1 | 97 | 14 | 45 | 6 | 10 | 222 | 3.20 | 2.06 | 25 | Putnam | 72.4 | 97 | 14 | 45 | 6 | 14 | 236 | 2.69 | 1.41 | 25 |
| Camargo | 71.4 | 97 | 14 | 42 | 6 | 15 | 207 | 2.79 | 1.38 | 25 | Watonga | 72.9 | 95 | 14 | 50 | 6 | 12 | 248 | 2.31 | . 77 | 26 |
| Cheyenne | 71.9 | 94 | 14 | 49 | 6 | 16 | 222 | 4.20 | 2.56 | 25 | Weatherford | 73.1 | 97 | 14 | 51 | 6 | 13 | 255 | 2.21 | . 76 | 25 |
| Elk City | 72.1 | 95 | 14 | 51 | 6 | 9 | 221 | 3.21 | 1.79 | 25 |  |  |  |  |  |  |  |  |  |  |  |
| CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Acme | 73.1 | 95 | 14 | 47 | 6 | 7 | 249 | 4.46 | 1.86 | 27 | Ninnekah | 73.6 | 97 | 14 | 49 | 13 | 4 | 262 | 5.79 | 2.08 | 27 |
| Bowlegs | 73.2 | 95 | 16 | 47 | 6 | 6 | 251 | 3.46 | 1.54 | 26 | Norman | 73.6 | 93 | 14 | 50 | 6 | 5 | 263 | 2.94 | 1.30 | 27 |
| Bristow | 71.9 | 93 | 16 | 44 | 7 | 9 | 216 | 1.06 | . 49 | 27 | 0ilton | 72.0 | 93 | 4 | 42 | 6 | 12 | 222 | 1.63 | . 64 | 17 |
| Lake Carl Blac | 73.1 | 97 | 19 | 44 | 6 | 6 | 249 | 3.13 | 1.85 | 26 | OKC East | 73.5 | 93 | 19 | 50 | 6 | 4 | 260 | 4.23 | 2.24 | 27 |
| Chandler | 73.2 | 93 | 19 | 49 | 6 | 4 | 251 | 2.65 | . 99 | 17 | OKC North | 74.8 | 95 | 19 | 53 | 6 | 4 | 296 | 4.65 | 2.33 | 27 |
| Chickasha | 73.7 | 98 | 14 | 50 | 6 | 4 | 264 | 5.99 | 2.19 | 27 | Okemah | 73.5 | 95 | , | 47 | 7 | 3 | 258 | 1.92 | 1.30 | 17 |
| E1 Reno | 71.3 | 93 | 14 | 44 | 6 | 14 | 203 | 4.69 | 2.79 | 26 | Perkins | 74.0 | 97 | 19 | 48 | 6 | 5 | 276 | 2.70 | 1.22 | 26 |
| Guthrie | 74.8 | 97 | 19 | 49 | 6 | 4 | 299 | 3.24 | 2.23 | 26 | Shawnee | 73.8 | 95 | 16 | 48 | 6 | 7 | 270 | 2.85 | 1.15 | 17 |
| Kingfisher | 74.4 | 98 | 21 | 49 | 6 | 6 | 289 | 1.99 | . 88 | 26 | Spencer | 73.8 | 94 | 14 | 48 | 6 | 5 | 270 | 2.89 | 1.34 | 27 |
| Marena | 74.0 | 96 | 19 | 50 | 6 | 5 | 276 | 3.92 | 2.62 | 26 | Stillwater | 73.5 | 96 | 19 | 47 | 6 | 5 | 259 | 3.77 | 2.40 | 26 |
| Minco | 72.9 | 94 | 14 | 52 | 6 | 7 | 244 | 4.01 | 1.67 | 27 | Washington | 73.2 | 96 | 14 | 50 | 7 | 4 | 249 | 4.43 | 1.58 | 26 |
| Marshal 1 | 74.4 | 98 | 19 | 46 | 6 | 6 | 288 | 3.04 | 1.59 | 26 |  |  |  |  |  |  |  |  |  |  |  |
| EAST CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cookson | 71.7 | 93 | 20 | 44 | 6 | 13 | 213 | . 15 | . 08 | 17 | Sallisaw | 73.6 | 95 | 20 | 49 | 7 | *** | **** | . 17 | . 07 | 28 |
| Eufaula | 73.7 | 93 | 20 | 51 | 7 | 3 | 265 | . 66 | . 29 | 17 | Stigler | 72.7 | 94 | 20 | 48 | 7 | 6 | 236 | . 85 | . 57 | 28 |
| Haskel 1 | ***** | *** | *** | *** | *** | **** | **** | ***** | ***** | *** | Stuart | 74.1 | 94 | 4 | 51 | 7 | 3 | 275 | 2.16 | 1.30 | 28 |
| Hectorville | 74.0 | 93 | 21 | 52 | 6 | 1 | 271 | 1.51 | . 85 | 27 | Tahlequah | 72.4 | 93 | 20 | 44 | 6 | 8 | 229 | . 41 | . 21 | 26 |
| Holdenville | 73.4 | 92 | 4 | 49 | 6 | 6 | 259 | 3.35 | 2.18 | 17 | Webbers Falls | 72.9 | 93 | 20 | 49 | 7 | **** | **** | . 30 | . 20 | 17 |
| McAlester | 73.3 | 92 | 4 | 48 | 7 | 4 | 252 | 1.39 | . 80 | 17 | Westville | 72.3 | 93 | 20 | 48 | 6 | 6 | 224 | . 10 | . 09 | 17 |
| 0 kmulgee | 72.1 | 93 | 4 | 46 | 7 | 7 | 220 | 2.35 | 1.14 | 27 |  |  |  |  |  |  |  |  |  |  |  |
| SOUTHWEST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Altus | 73.6 | 97 | 14 | 51 | 6 | 4 | 263 | 2.48 | . 93 | 17 | Holl is | 73.2 | 99 | 21 | 51 | 6 | 6 | 253 | 4.02 | 1.22 | 25 |
| Apache | 72.7 | 95 | 14 | 48 | 6 | 9 | 238 | 5.03 | 1.66 | 27 | Mangum | 72.3 | 97 | 14 | 48 | 6 | 6 | 225 | 4.37 | 1.90 | 17 |
| Fort Cobb | 72.7 | 95 | 14 | 52 | 13 | * | **** | 3.28 | 1.13 | 25 | Medicine Park | 73.4 | 95 | 14 | 57 | 7 | 7 | 258 | 7.22 | 2.44 | 27 |
| Grandfield | 75.5 | 101 | 14 | 55 | 7 | 3 | 317 | 9.87 | 4.83 | 26 | Tipton | 74.7 | 101 | 14 | 50 | 6 | 3 | 293 | 4.45 | 1.66 | 17 |
| Hinton | 72.1 | 95 | 14 | 48 | 6 | 12 | 224 | 2.95 | 1.50 | 26 | Walters | 74.5 | 97 | 14 | 53 | 7 | 2 | 288 | 5.87 | 1.68 | 26 |
| Hobart | 73.8 | 99 | 14 | 51 | 6 | 7 | 271 | 3.36 | 1.19 | 17 |  |  |  |  |  |  |  |  |  |  |  |
| SOUTH CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ada | 73.8 | 94 | 17 | 48 | 6 | 5 | 271 | 2.92 | 1.18 | 28 | Lane | 74.1 | 94 | 20 | 47 | 7 | 1 | 274 | . 05 | . 05 | 28 |
| Ardmore | 74.8 | 94 | 19 | 52 | 7 | 2 | 296 | 1.28 | . 88 | 28 | Madil 1 | 74.8 | 94 | 20 | 48 | 7 | 1 | 294 | . 18 | . 08 | 26 |
| Burneyville | 74.6 | 97 | 19 | 48 | 7 | 1 | 289 | . 72 | . 41 | 29 | Newport | 75.0 | 96 | 19 | 53 | 7 | 2 | 301 | 2.06 | 1.56 | 28 |
| Byars | 74.1 | 94 | 16 | 51 | 6 | 5 | 279 | 2.45 | 1.03 | 26 | Pauls Valley | 74.1 | 94 | 14 | 52 | 7 | 3 | 277 | 3.52 | 1.35 | 26 |
| Centrahoma | 73.8 | 94 | 4 | 47 | 7 | 1 | 264 | 2.77 | 1.97 | 17 | Ringling | 74.9 | 96 | 19 | 51 | 13 | 3 | 299 | 4.12 | 2.65 | 28 |
| Durant | 75.3 | 94 | 20 | 51 | 7 | 0 | 309 | . 05 | . 04 | 23 | Sulphur | 73.4 | 93 | 19 | 48 | 7 | 4 | 257 | 3.52 | 1.99 | 28 |
| Fittstown | 73.0 | 93 | 19 | 49 | 13 | 4 | 244 | 2.09 | 1.05 | 28 | Tishomingo | 74.0 | 94 | 20 | 48 | 7 | 2 | 272 | . 96 | . 42 | 27 |
| Ketchum Ranch | 74.4 | 96 | 14 | 52 | 13 | 3 | 284 | 5.80 | 2.96 | 26 | Waurika | 75.0 | 98 | 14 | 49 | 7 | 2 | 302 | 2.84 | 1.71 | 26 |
| SOUTHEAST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Antlers | 72.9 | 92 | 20 | 46 | 7 | 5 | 243 | . 49 | . 38 | 28 | Mt Herman | 73.9 | 92 | 23 | 50 | 7 | 2 | 271 | . 13 | . 12 | 3 |
| Broken Bow | 73.9 | 94 | 23 | 48 | 7 | 1 | 267 | . 47 | . 45 | 27 | Talihina | 73.4 | 95 | 20 | 44 | 7 | 8 | 261 | 1.07 | . 69 | 27 |
| Clayton | 73.8 | 94 | 20 | 47 | 7 | 3 | 267 | . 09 | . 07 | 28 | Valliant | 74.5 | 94 | 20 | 47 | 7 | 2 | 287 | . 14 | . 06 | 27 |
| Cloudy | 73.8 | 94 | 23 | 46 | 7 | 3 | 266 | . 00 | . 00 | 1 | Wilburton | 73.6 | 93 | 23 | 48 | 7 | **** | **** | 2.51 | 2.48 | 28 |
| Hugo | 74.9 | 93 | 20 | 51 | 7 | 0 | 297 | . 00 | . 00 | 1 | Wister | 72.2 | 96 | 20 | 45 | 7 | 7 | 222 | . 05 | . 04 | 28 |
| Idabe 1 | 74.9 | 93 | 20 | 49 | 7 | 0 | 296 | . 01 | . 01 | 24 |  |  |  |  |  |  |  |  |  |  |  |

2017 STATEWIDE PRECIPITATION MONTHLY TOTALS VS. NORMAL


September 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) | Sep-16 <br> (inches) |
| :--- | :---: | :---: | :--- | :--- | :--- | :--- |
| Panhandle | 3.34 | 1.52 | 16th Wettest | $5.03(1925)$ | $0.04(1956)$ | 1.32 |
| North Central | 2.59 | -0.25 | 61st Wettest | $7.43(1923)$ | $0.07(2000)$ | 4.22 |
| Northeast | 2.06 | -2.44 | 25th Driest | $12.12(1986)$ | $0.29(1948)$ | 3.45 |
| West Central | 3.01 | 0.26 | 44th Wettest | $8.68(1923)$ | $0.06(1956)$ | 4.90 |
| Central | 3.45 | -0.41 | 51st Wettest | $9.81(1945)$ | $0.21(1956)$ | 3.65 |
| East Central | 1.12 | -3.55 | 9th Driest | $10.16(1993)$ | $0.24(1948)$ | 2.83 |
| Southwest | 4.81 | 1.83 | 23rd Wettest | $8.48(1936)$ | $0.04(1939)$ | 4.66 |
| South Central | 2.19 | -1.74 | 44th Driest | $9.69(1936)$ | $0.13(1956)$ | 4.21 |
| Southeast | 0.45 | -3.82 | 1st Driest | $11.97(1974)$ | $0.57(1931)$ | 2.71 |
| Statewide | 2.60 | -0.93 | 50th Driest | $7.77(1945)$ | $0.25(1956)$ | 3.53 |



September 2017 Mesonet Temperature Comparison

| Climate Division | Average <br> Temp (F) | Departure from <br> Normal (F) | Rank since 1895 | Hottest on Record <br> (Year) | Coldest on <br> Record (Year) | Sep-16 (F) |
| :--- | :---: | :---: | :---: | :--- | :--- | :--- |$|$| Panhandle | 70.2 | 0.8 | 54th Warmest | $76.9(1931)$ | $62.3(1974)$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| North Central | 73.4 | 1.5 | 45th Warmest | $80.6(1931)$ | $63.6(1974)$ |
| Northeast | 72.8 | 1.2 | 61st Warmest | $79.8(1939)$ | $63.9(1974)$ |
| West Central | 72.1 | 0.1 | 55th Coolest | $80.2(1931)$ | $64.5(1974)$ |
| Central | 73.5 | 0.7 | 54th Coolest | $81.7(1931)$ | $64.9(1974)$ |
| East Central | 72.6 | 0.0 | 43rd Coolest | $81.8(1939)$ | $65.1(1974)$ |
| Southwest | 73.3 | -0.6 | 41st Coolest | $81.6(1931)$ | $66.2(1974)$ |
| South Central | 74.3 | 0.2 | 45th Coolest | $81.8(1939)$ | $66.6(1974)$ |
| Southeast | 73.6 | 0.9 | 61st Coolest | $81.0(1939)$ | $65.8(1974)$ |
| Statewide | 72.9 | 0.6 | 55th Coolest | $80.1(1931)$ | $64.7(1974)$ |
|  |  |  |  |  | 76.2 |

MESONET EXTREMES FOR SEPTEMBER 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 | 101 | 4th | Buffalo | 43 | 6th | Buffalo | 5.23 | Goodwell | 2.25 | 23rd | Goodwell |
| North Central | 101 | 14th | Freedom | 43 | 6th | Seiling | 4.3 | Blackwell | 2.34 | 25th | May Ranch |
| Northeast | 97 | 4th | Burbank | 43 | 6th | Pryor | 4.34 | Pawnee | 2.27 | 26th | Pawnee |
| West Central | 97 | 14th | Weatherford | 42 | 6th | Camargo | 4.2 | Cheyenne | 2.79 | 25th | Erick |
| Central | 98 | 19th | Marshall | 42 | 6th | Oilton | 5.99 | Chickasha | 2.79 | 26th | El Reno |
| East Central | 95 | 20th | Sallisaw | 44 | 6th | Cookson | 3.35 | Holdenville | 2.18 | 17th | Holdenville |
| Southwest | 101 | 14th | Grandfield | 48 | 6th | Apache | 9.87 | Grandfield | 4.83 | 26th | Grandfield |
| South Central | 98 | 14th | Waurika | 47 | 7th | Lane | 5.8 | Ketchum Ranch | 2.96 | 26th | Ketchum Ranch |
| Southeast | 96 | 20th | Wister | 44 | 7th | Talihina | 2.51 | Wilburton | 2.48 | 28th | Wilburton |
| Statewide | 101 | 14th | Grandfield | 42 | 6th | Camargo | 9.87 | Grandfield | 4.83 | 26th | Grandfield |

Oklahoma Climate Divisions


## U.S. Drought Monitor Oklahoma



September 26, 2017
(Released Thursday, Sep. 28, 2017) Valid 8 a.m. EDT

|  | Drought Conditions (Percent Area) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
| Current | 64.46 | 35.54 | 0.77 | 0.00 | 0.00 | 0.00 |
| Last Week <br> 09-19-2017 | 71.28 | 28.72 | 2.04 | 0.00 | 0.00 | 0.00 |
| 3 Months Ago <br> O6-27-2017 | 30.33 | 69.67 | 12.25 | 0.00 | 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> Mater Year <br> 09-27-2076 | 57.82 | 42.18 | 19.04 | 3.05 | 0.00 | 0.00 |
| One Year Ago <br> 09-27-2016 | 57.82 | 42.18 | 19.04 | 3.05 | 0.00 | 0.00 |

Intensity.
D0 Abnormally Dry
D1 Moderate Drought
D3 Extreme Drought
D2 Severe Drought
The Exceptional Drought
Local conditions may moryser on broad scale conditions.
for forecast statements. for forec ast statements.

Author:
Brad Rippey
U.S. Department of Agriculture

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

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