## Oklahoma Monthly Climate Summary

 JUNE 2017( OKLAHOMA<br>Climatolocical SURYE

June, normally a pillar of Oklahoma's spring rainy season, was very much a disappointment in that regard.
Unfortunately, that lack of significant moisture fueled a quick return to drought across parts of the state. Central Oklahoma became particularly dry with deficits of more than 8 inches accumulating since the beginning of May. According to preliminary data from the Oklahoma Mesonet, the month finished with a statewide average of 2.97 inches, 1.55 inches below normal to rank as the 43nd driest June since records began in 1895. Central Oklahoma's average of 1.94 inches fell nearly 3 inches below normal to rank as that region's 18th driest June. Oklahoma City experienced its second driest June and driest May-June period on record with 0.11 inches and 1.21 inches, respectively. The Mesonet site at Spencer recorded a hundredth of an inch during June, barely enough to wet the rain gauge. While most of the state was dry, there were a few areas that enjoyed a moisture surplus for the

June 2017 Statewide Extremes

| Description | Extreme | Station | Day |
| :--- | :--- | :--- | :---: |
| High Temperature | $106^{\circ} \mathrm{F}$ | Hooker, <br> Hollis | 17 |
| Low Temperature | $46^{\circ} \mathrm{F}$ | Kenton | 14 |
| High Precipitation | 9.65 in. | Webbers <br> Falls | -- |
| Low Precipitation | 0.01 in. | Spencer | -- |

month. Parts of east central Oklahoma finished 3-5 inches above normal, while isolated areas in the southwest and far western Panhandle came out ahead as well. Webbers Falls led the state with 9.65 inches during June. Despite the dry May and June, 2017 remained above normal through the first six months with a statewide average of 20.91 inches, the 26th wettest such period on record.

In spite of the slant towards dryness during June, there was still plenty of severe weather. The most intense storms were saved for the last week of the month. Hail to the size of baseballs was reported across southwestern Oklahoma on the 30th. There were even a couple of possible tornado sightings in the far western Panhandle on the 25 th. The state's tornado count for the year had climbed to 62 at the start of June according to preliminary data from the National Weather Service, including 50 that touched down during May. The 1950-2016 annual average is 56 .

Mother Nature made up for the disappointing rain totals by offering extended breaks from the summer heat. Highs were mostly in the 70s and 80s the weekend of June 23-25, and some highs only reached the 60s early in the month. Summer still peaked through at times, of course. The Mesonet recorded at least one triple-digit temperature on 14 of the 30 days in June, and heat index values soared as high as 112 degrees on a couple of occasions. The statewide average temperature was 76.7 degrees, 0.2 degrees above normal to rank as the 52nd coolest June on record. The month's highest temperature was 106 degrees at Hooker on the 17th. The lowest temperature was 46 degrees at Kenton on June 14. The year was still on pace to finish as one of the warmest on record. The January-June statewide average of 58.6 degrees was 2.9 degrees above normal, the fourth warmest such period on record.

June 2017 Statewide Statistics
Temperature

|  | Average | Depart. | Rank (1895-2017) |
| :--- | ---: | ---: | :---: |
| Month (Jun | $76.7^{\circ} \mathrm{F}$ | $0.2^{\circ} \mathrm{F}$ | 52nd Coolest |
| Year-to-Date <br> (Jan-Jun) | $58.6^{\circ} \mathrm{F}$ | $2.8^{\circ} \mathrm{F}$ | 4th Warmest |

Precipitation

|  | Total | Depart. | Rank (1895-2017) |
| :--- | :---: | :---: | :--- |
| Month (Jun) | 2.98 in. | -1.56 in. | 43rd Driest |
| Year-to-Date <br> (Jan-Jun) | 21.28 in. | 2.25 in. | 24th Wettest |

Depart. $=$ departure from 30-year normal

The bursts of summer heat, combined with strong winds and lack of rainfall, created a "flash drought" scenario - a relatively rapid return to drought compared to the normal long-term development of the hazard. Per the U.S. Drought Monitor, the state progressed from no drought at the beginning of the month to 13 percent on June's final report. The amount of the state in abnormally dry condition, signaling areas where drought could develop if significant moisture remained absent, exploded from 3 percent to 57 percent during the month.

## JUNE 2017 OBSERVED PRECIPITATION



JUNE 2017 DEPARTURE FROM NORMAL PRECIPITATION


## JUNE 2017 PERCENT OF NORMAL PRECIPITATION



## JUNE 2017 AVERAGE TEMPERATURE



JUNE 2017 DEPARTURE FROM NORMAL TEMPERATURE


MESONET MONTHLY SUMMARY FOR JUNE 2017

| NAME | MEAN TEMP | $\begin{aligned} & \text { HIGH } \\ & \text { TEMP } \end{aligned}$ | 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 | MEAN TEMP | $\begin{aligned} & \text { HIGH } \\ & \text { TEMP } \end{aligned}$ | DAY | LOW <br> TEMP | DAY | HDD | CDD | $\begin{aligned} & \text { TOT } \\ & \text { PPT } \end{aligned}$ | $\begin{aligned} & \text { HIGH } \\ & 24-H R \end{aligned}$ | DAY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PANHANDLE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Arnett | 76.5 | 100 | 29 | 55 | 6 | 0 | 344 | 1.00 | . 32 | 13 | Goodwe 11 | 75.5 | 104 | 17 | 51 | 14 | 0 | 314 | . 96 | . 56 | 21 |
| Beaver | 77.3 | 104 | 12 | 55 | 2 | 0 | 369 | . 90 | . 33 | 20 | Hooker | 76.9 | 106 | 17 | 56 | 14 | 0 | 357 | 2.02 | 1.04 | 21 |
| Boise City | 73.0 | 100 | 22 | 51 | 15 | 0 | 241 | 1.11 | . 77 | 6 | Kenton | 72.4 | 101 | 22 | 46 | 14 | 0 | 221 | 3.52 | 1.27 | 25 |
| Buffalo | 78.5 | 102 | 17 | 55 | 2 | 0 | 404 | 1.12 | . 34 | 21 | Stapout | 77.3 | 103 | 17 | 55 | 2 | 0 | 369 | . 53 | . 22 | 21 |
| Eva | 73.0 | 101 | 17 | 49 | 14 | 0 | 239 | 1.97 | 1.08 | 21 |  |  |  |  |  |  |  |  |  |  |  |
| NORTH CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Alva | 78.2 | 100 | 17 | 57 | 2 | 0 | 396 | 1.69 | . 49 | 3 | May Ranch | 76.9 | 99 | 17 | 58 | 26 | 0 | 356 | 5.01 | 1.52 | 29 |
| B1ackwel1 | 77.5 | 97 | 16 | 56 | 8 | 0 | 375 | 2.49 | . 95 | 4 | Medford | 78.3 | 100 | 16 | 58 | 8 | 0 | 398 | 3.11 | 1.29 | 3 |
| Breckinridge | 78.1 | 99 | 16 | 53 | 8 | 0 | 394 | 2.33 | 1.15 | 18 | Newkirk | 75.8 | 94 | 15 | 57 | 8 | 0 | 324 | 3.02 | . 73 | 15 |
| Cherokee | 79.1 | 100 | 29 | 59 | 19 | 0 | 422 | 2.93 | 1.51 | 3 | Red Rock | 77.5 | 98 | 16 | 53 | 8 | 0 | 375 | 1.89 | . 49 | 18 |
| Fairview | 78.8 | 100 | 17 | 57 | 2 | 0 | 414 | 2.27 | 1.65 | 6 | Seiling | 77.4 | 100 | 17 | 56 | 19 | 0 | 372 | 1.40 | . 58 | 27 |
| Freedom | 77.1 | 101 | 17 | 55 | 2 | 0 | 362 | 2.80 | . 89 | 6 | Woodward | 76.8 | 97 | 29 | 58 | 6 | 0 | 354 | 1.21 | . 72 | 3 |
| Lahoma | 78.3 | 99 | 16 | 58 | 8 | 0 | 398 | 2.56 | . 75 | 18 |  |  |  |  |  |  |  |  |  |  |  |
| NORTHEAST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bixby | 77.4 | 93 | 12 | 55 | 8 | 0 | 373 | 1.75 | . 63 | 15 | Pawnee | 77.0 | 95 | 16 | 55 | 8 | 0 | 360 | 2.03 | . 67 | 18 |
| Burbank | 75.4 | 93 | 16 | 53 | 8 | 0 | 311 | 4.39 | 2.43 | 4 | Porter | 76.1 | 93 | 16 | 55 | 8 | 0 | 334 | 3.19 | 1.04 | 30 |
| Copan | 75.9 | 95 | 15 | 52 | 8 | 0 | 328 | 3.07 | 1.30 | 30 | Pryor | 74.8 | 91 | 16 | 54 | 8 | 0 | 293 | 5.06 | 1.48 | 1 |
| Foraker | 75.1 | 93 | 15 | 55 | 8 | 0 | 304 | 2.81 | . 89 | 18 | Skiatook | 76.1 | 92 | 16 | 59 | 8 | 0 | 334 | 4.06 | 1.14 | 30 |
| Inola | 75.2 | 91 | 16 | 56 | 8 | 0 | 307 | 3.96 | 1.32 | 18 | Talala | 75.5 | 92 | 16 | 54 | 8 | 0 | 314 | 2.48 | . 90 | 15 |
| Jay | 73.3 | 89 | 16 | 50 | 8 | 0 | 249 | 3.88 | 1.25 | 30 | Tulsa | 77.4 | 94 | 16 | 58 | 8 | 0 | 371 | 2.37 | . 87 | 30 |
| Miami | 74.0 | 90 | 16 | 52 | 8 | 0 | 270 | 4.89 | 1.54 | 17 | Vinita | 73.9 | 90 | 16 | 52 | 8 | 0 | 266 | 2.43 | 1.07 | 30 |
| Nowata | 74.9 | 91 | 15 | 50 | 8 | **** | **** | 2.76 | 1.04 | 15 | Wynona | 76.3 | 94 | 16 | 54 | 8 | 0 | 340 | 2.02 | . 68 | 18 |
| WEST CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bessie | 78.3 | 99 | 17 | 60 | 8 | 0 | 398 | 2.29 | . 63 | 7 | Erick | 78.0 | 103 | 17 | 57 | 8 | 0 | 389 | . 80 | . 50 | 24 |
| Butler | 77.4 | 97 | 17 | 57 | 8 | 0 | 371 | 5.61 | 3.54 | 3 | Putnam | 77.4 | 98 | 17 | 59 | 8 | 0 | 373 | 1.65 | . 59 | 3 |
| Camargo | 76.6 | 97 | 17 | 55 | 19 | 0 | 347 | 2.24 | . 70 | 3 | Watonga | 77.9 | 97 | 17 | 60 | 2 | 0 | 387 | 2.50 | 1.84 | 6 |
| Cheyenne | 77.2 | 100 | 17 | 59 | 19 | 0 | 366 | . 90 | . 43 | 8 | Weatherford | 78.4 | 99 | 17 | 61 | 8 | 0 | 402 | 1.14 | . 37 | 3 |
| Elk City | 77.9 | 100 | 17 | 59 | 1 | 0 | 387 | 1.07 | . 23 | 13 |  |  |  |  |  |  |  |  |  |  |  |
| CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Acme | 77.3 | 96 | 16 | 55 | 8 | 0 | 368 | 1.31 | . 88 | 2 | Ninnekah | 77.9 | 96 | 16 | 56 | 8 | 0 | 387 | 1.78 | . 85 | 2 |
| Bowlegs | 76.5 | 96 | 16 | 53 | 8 | 0 | 346 | . 50 | . 35 | 30 | Norman | 77.8 | 95 | 16 | 54 | 8 | 0 | 384 | . 66 | . 42 | 30 |
| Bristow | 75.7 | 95 | 16 | 49 | 8 | 0 | 322 | . 87 | . 62 | 30 | 0ilton | 76.0 | 94 | 16 | 50 | 8 | 0 | 329 | 1.40 | . 57 | 30 |
| Lake Carl Blac | 76.7 | 96 | 16 | 53 | 8 | 0 | 350 | 3.57 | 1.13 | 3 | OKC East | 78.2 | 96 | 16 | 55 | 8 | 0 | 395 | . 62 | . 39 | 4 |
| Chandler | 76.8 | 93 | 16 | 58 | 8 | 0 | 355 | 4.91 | 2.12 | 15 | OKC North | 79.1 | 97 | 16 | 58 | 8 | 0 | 422 | . 35 | . 22 | 30 |
| Chickasha | 78.0 | 98 | 16 | 55 | 8 | 0 | 391 | 2.66 | 2.01 | 30 | Okemah | 76.5 | 94 | 16 | 57 | 8 | 0 | 344 | 3.15 | 1.32 | 4 |
| E1 Reno | 76.0 | 94 | 15 | 54 | 19 | 0 | 330 | 5.34 | 3.24 | 3 | Perkins | 78.1 | 98 | 16 | 55 | 8 | 0 | 392 | 2.08 | . 59 | 14 |
| Guthrie | 78.4 | 98 | 16 | 58 | 8 | 0 | 403 | . 90 | . 41 | 18 | Shawnee | 77.3 | 96 | 16 | 56 | 8 | 0 | 370 | 1.79 | . 86 | 4 |
| Kingfisher | 79.7 | 101 | 16 | 56 | 8 | 0 | 440 | . 62 | . 27 | 3 | Spencer | 77.7 | 96 | 16 | 55 | 8 | 0 | 382 | . 01 | . 01 | 18 |
| Marena | 76.8 | 95 | 16 | 56 | 8 | 0 | 354 | 3.02 | 1.41 | 30 | Stillwater | 78.0 | 95 | 16 | 55 | 8 | **** | **** | 2.88 | 1.22 | 30 |
| Minco | 78.0 | 96 | 16 | 62 | 8 | 0 | 389 | 1.40 | . 62 | 30 | Washington | 76.8 | 94 | 16 | 56 | 8 | 0 | 353 | 2.51 | 1.02 | 30 |
| Marshal 1 | 78.0 | 98 | 16 | 53 | 8 | 0 | 391 | 2.23 | 1.62 | 18 |  |  |  |  |  |  |  |  |  |  |  |
| EAST CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cookson | 73.8 | 90 | 16 | 52 | 8 | 0 | 264 | 7.32 | 2.43 | 4 | Sallisaw | 76.1 | 92 | 16 | 55 | 8 | 0 | 332 | 7.60 | 3.59 | 30 |
| Eufaula | 76.3 | 93 | 16 | 56 | 8 | 0 | 340 | 6.06 | 2.46 | 30 | Stigler | 74.9 | 92 | 16 | 54 | 8 | 0 | 298 | 7.82 | 2.37 | 18 |
| Haskel 1 | 75.7 | 92 | 16 | 53 | 8 | 0 | 320 | 2.95 | 1.38 | 30 | Stuart | 76.8 | 94 | 23 | 58 | 8 | 0 | 354 | 2.79 | 1.45 | 30 |
| Hectorville | 76.8 | 94 | 16 | 57 | 8 | 0 | 355 | 1.31 | . 67 | 30 | Tahlequah | 74.2 | 90 | 16 | 53 | 8 | 0 | 277 | 7.90 | 2.78 | 17 |
| Holdenville | 76.5 | 93 | 16 | 58 | 8 | 0 | 346 | 3.03 | 1.64 | 1 | Webbers Falls | 76.9 | 96 | 16 | 56 | 8 | 0 | 356 | 9.65 | 3.14 | 30 |
| McAlester | 76.5 | 95 | 23 | 54 | 8 | 0 | 344 | 3.66 | 1.91 | 30 | Westville | 73.7 | 89 | 16 | 54 | 8 | 0 | 261 | 5.37 | 2.32 | 30 |
| Okmulgee | 75.5 | 93 | 16 | 53 | 8 | 0 | 314 | 3.36 | 1.50 | 30 |  |  |  |  |  |  |  |  |  |  |  |
| SOUTHWEST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Altus | 80.2 | 102 | 17 | 61 | 8 | 0 | 455 | 5.19 | 2.56 | 30 | Hollis | 80.7 | 106 | 17 | 61 | 1 | 0 | 471 | 2.84 | 1.98 | 30 |
| Apache | 77.0 | 95 | 16 | 59 | 8 | **** | **** | 2.87 | 1.17 | 2 | Mangum | 78.1 | 100 | 17 | 56 | 8 | 0 | 392 | 3.95 | 2.26 | 30 |
| Fort Cobb | 78.0 | 97 | 16 | 59 | 8 | 0 | 390 | 2.40 | 1.16 | 3 | Medicine Park | 76.9 | 96 | 23 | 62 | 1 | **** | **** | 4.87 | 1.63 | 2 |
| Grandfield | 79.4 | 102 | 23 | 61 | 8 | **** | **** | 4.45 | 2.39 | 9 | Tipton | 80.3 | 100 | 17 | 63 | 8 | 0 | 458 | 4.66 | 2.01 | 30 |
| Hinton | 78.1 | 98 | 16 | 59 | 8 | 0 | 393 | 1.53 | . 47 | 30 | Walters | 77.8 | 97 | 23 | 61 | 8 | **** | **** | 4.78 | 1.93 | 9 |
| Hobart | 78.5 | 98 | 17 | 60 | 8 | 0 | 405 | 5.81 | 2.79 | 9 |  |  |  |  |  |  |  |  |  |  |  |
| SOUTH CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ada | 76.8 | 96 | 23 | 54 | 8 | 0 | 355 | 1.10 | . 29 | 1 | Lane | 77.2 | 96 | 23 | 58 | 8 | 0 | 366 | 2.94 | . 89 | 19 |
| Ardmore | 78.1 | 98 | 23 | 59 | 8 | 0 | 393 | 1.57 | . 47 | 24 | Madill | 78.5 | 98 | 23 | 60 | 8 | **** | **** | 2.26 | . 69 | 30 |
| Burneyville | 78.7 | 99 | 23 | 56 | 8 | 0 | 410 | 4.00 | 1.52 | 19 | Newport | 78.3 | 98 | 16 | 61 | 8 | 0 | 400 | 2.33 | 1.02 | 30 |
| Byars | 76.9 | 95 | 16 | 57 | 8 | 0 | 356 | 1.57 | . 84 | 1 | Pauls Valley | 77.8 | 96 | 16 | 57 | 8 | 0 | 383 | . 85 | . 31 | 2 |
| Centrahoma | 77.1 | 95 | 23 | 56 | 8 | 0 | 362 | 2.64 | . 84 | 30 | Ringling | 77.9 | 98 | 23 | 60 | 8 | 0 | 387 | 1.96 | . 63 | 30 |
| Durant | 77.9 | 96 | 23 | 59 | 8 | 0 | 386 | 3.87 | 1.41 | 19 | Sulphur | 76.6 | 94 | 23 | 56 | 8 | 0 | 348 | 2.30 | 1.47 | 1 |
| Fittstown | 75.8 | 94 | 23 | 57 | 8 | **** | **** | 3.35 | 1.30 | 30 | Tishomingo | 77.3 | 96 | 16 | 58 | 8 | 0 | 370 | 3.40 | 1.18 | 4 |
| Ketchum Ranch | 77.4 | 96 | 16 | 59 | 8 | 0 | 372 | 2.84 | 1.23 | 19 | Waurika | 78.1 | 99 | 23 | 59 | 8 | **** | **** | 4.60 | 1.01 | 30 |
| SOUTHEAST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Antlers | 76.3 | 95 | 23 | 53 | 8 | 0 | 340 | 4.50 | 2.22 | 19 | Mt Herman | 75.8 | 92 | 23 | 54 | 8 | 0 | 325 | 2.72 | . 89 | 5 |
| Broken Bow | 76.1 | 93 | 16 | 54 | 8 | 0 | 333 | 2.27 | . 76 | 4 | Talihina | 76.6 | 94 | 23 | 53 | 8 | 0 | 348 | 6.26 | 2.01 | 30 |
| Clayton | 76.1 | 93 | 16 | 54 | 8 | 0 | 332 | 5.89 | 1.64 | 4 | Valliant | 77.3 | 94 | 16 | 56 | 8 | 0 | 370 | 2.46 | . 58 | 19 |
| Cloudy | 75.7 | 92 | 23 | 55 | 8 | 0 | 321 | 2.94 | . 90 | 3 | Wilburton | 76.0 | 93 | 16 | 54 | 8 | 0 | 329 | 7.04 | 1.91 | 18 |
| Hugo | 77.3 | 94 | 23 | 59 | 8 | 0 | 369 | 6.25 | 2.01 | 19 | Wister | 75.0 | 93 | 16 | 52 | 8 | 0 | 299 | 7.80 | 2.92 | 18 |
| Idabe 1 | 77.9 | 94 | 16 | 58 | 8 | 0 | 388 | 3.40 | 1.29 | 4 |  |  |  |  |  |  |  |  |  |  |  |

2017 STATEWIDE PRECIPITATION MONTHLY TOTALS VS. NORMAL


June 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) | Jun-16 <br> (inches) |
| :--- | :---: | :---: | :--- | :--- | :--- | :--- |
| Panhandle | 1.46 | -1.71 | 21st Driest | $7.09(1962)$ | $0.29(1911)$ | 3.41 |
| North Central | 2.52 | -2.01 | 34th Driest | $10.87(2007)$ | $0.40(1933)$ | 2.57 |
| Northeast | 3.20 | -2.03 | 35th Driest | $12.64(2007)$ | $0.28(1933)$ | 1.66 |
| West Central | 2.02 | -2.13 | 31st Driest | $8.90(1962)$ | $0.30(1933)$ | 4.29 |
| Central | 1.94 | -2.98 | 18th Driest | $12.63(2007)$ | $0.41(1933)$ | 2.52 |
| East Central | 5.29 | 0.49 | 39th Wettest | $12.47(1935)$ | $0.69(2011)$ | 2.27 |
| Southwest | 3.94 | -0.33 | 48th Wettest | $9.96(2007)$ | $0.43(1911)$ | 5.51 |
| South Central | 2.60 | -2.13 | 31st Driest | $11.30(1908)$ | $0.25(1933)$ | 4.62 |
| Southeast | 4.68 | 0.03 | 38th Wettest | $11.51(1935)$ | $0.77(1933)$ | 3.17 |
| Statewide | 2.98 | -1.54 | 43rd Driest | $9.52(2007)$ | $0.44(1933)$ | 3.26 |



June 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) | Jun-16 (F) |
| :--- | :---: | :---: | :---: | :--- | :--- | :--- |
| Panhandle | 75.6 | 1.4 | 48th Warmest | $82.9(1953)$ | $67.0(1903)$ | 76.6 |
| North Central | 77.7 | 1.1 | 42nd Warmest | $85.2(1953)$ | $69.1(1903)$ | 79.8 |
| Northeast | 75.2 | -0.6 | 40th Coolest | $84.4(1911)$ | $70.3(1903)$ | 79.6 |
| West Central | 77.7 | 1.0 | 48th Warmest | $85.7(1953)$ | $70.0(1903)$ | 79.0 |
| Central | 77.3 | 0.5 | 62nd Coolest | $85.2(1911)$ | $71.1(1903)$ | 79.5 |
| East Central | 75.6 | -0.8 | 33rd Coolest | $84.5(1953)$ | $70.3(1903)$ | 79.6 |
| Southwest | 77.7 | -0.6 | 45th Coolest | $87.3(2011)$ | $72.4(1903)$ | 79.9 |
| South Central | 77.0 | -0.9 | 34th Coolest | $85.7(1911)$ | $72.0(1903)$ | 79.6 |
| Southeast | 76.4 | 0.3 | 58th Coolest | $83.5(1953)$ | $70.6(1903)$ | 79.0 |
| Statewide | 76.7 | 0.2 | 52nd Coolest | $84.8(1953)$ | $70.3(1903)$ | 79.2 |

MESONET EXTREMES FOR JUNE 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 | 106 | 17th | Hooker | 46 | 14th | Kenton | 3.52 | Kenton | 1.27 | 25th | Kenton |
| North Central | 101 | 17th | Freedom | 53 | 8th | Breckinridge | 5.01 | May Ranch | 1.65 | 6th | Fairview |
| Northeast | 95 | 15th | Copan | 50 | 8th | Nowata | 5.06 | Pryor | 2.43 | 4th | Burbank |
| West Central | 103 | 17th | Erick | 55 | 19th | Camargo | 5.61 | Butler | 3.54 | 3rd | Butler |
| Central | 101 | 16th | Kingfisher | 49 | 8th | Bristow | 5.34 | El Reno | 3.24 | 3 rd | El Reno |
| East Central | 96 | 16th | Webbers Falls | 52 | 8th | Cookson | 9.65 | Webbers Falls | 3.59 | 30th | Sallisaw |
| Southwest | 106 | 17th | Hollis | 56 | 8th | Mangum | 5.81 | Hobart | 2.79 | 9th | Hobart |
| South Central | 99 | 23rd | Burneyville | 54 | 8th | Ada | 4.60 | Waurika | 1.52 | 19th | Burneyville |
| Southeast | 95 | 23rd | Antlers | 52 | 8th | Wister | 7.80 | Wister | 2.92 | 18th | Wister |
| Statewide | 106 | 17th | Hooker | 46 | 14th | Kenton | 9.65 | Webbers Falls | 3.59 | 30th | Sallisaw |

Oklahoma Climate Divisions


## U.S. Drought Monitor Oklahoma



June 27, 2017
(Released Thursday, Jun. 29, 2017) Valid 8 a.m. EDT

|  | Drought Conditions (Percent Area) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
| Current | 30.33 | 69.67 | 12.25 | 0.00 | 0.00 | 0.00 |
| Last Week <br> 06-20-2017 | 73.11 | 26.89 | 3.18 | 0.00 | 0.00 | 0.00 |
| 3 Months Ago <br> 03-28-2017 | 7.24 | 92.76 | 77.80 | 36.07 | 2.99 | 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> 09-27-2016 | 57.82 | 42.18 | 19.04 | 3.05 | 0.00 | 0.00 |
| One Year Ago <br> 06-28-2016 | 77.65 | 22.35 | 5.86 | 0.00 | 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:
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NCEI/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/

## C OKLAHOMA CLIMATOLOGICAL SURVEY

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