In defiance of spring, Mother Nature slipped right into summer during May, and broke a major record in doing so. Based on preliminary data from the Oklahoma Mesonet, the month finished as the warmest on record with a statewide average of 74.6 degrees, 6.4 degrees above normal. The previous record of 74 degrees was set back in 1962. This abrupt transition was especially jarring coming directly after the second coolest April on record. The heat was unkind to those battling severe drought conditions, but sporadic heavy rains did lend improvements to some. The statewide average precipitation total of 3.99 inches fell 0.83 inches below normal to rank as the 48th driest May on record.

As Mays go in Oklahoma, this year's chapter was relatively quiet, but severe weather did make itself known at times. Oklahoma's longest streak without a tornado to begin a year ended on May 2 with at least 15 tornado touchdowns.

## May 2018 Statewide Extremes

| Description | Extreme | Station | Day |
| :--- | :--- | :--- | :---: |
| High Temperature | $104^{\circ} \mathrm{F}$ | Grandfield | 31 |
| Low Temperature | $37^{\circ} \mathrm{F}$ | Eva | 5 |
| High Precipitation | 9.17 in. | Alva | -- |
| Low Precipitation | 0.87 in. | Kenton | - -- |

The Hollis Mesonet site recorded a wind gust of 81 mph on the 14th, damaging trees and outbuildings. Baseball size hail propelled by winds up to 79 mph produced significant damage around Erick in Beckham County on the 29th.

May's high temperatures rarely reached the extreme category with only a few triple-digit readings during the month's final week. Temperatures consistently rose into the 90s, however, and heat index values thrived in the highmoisture environment common during May, topping out at 113 degrees at Grandfield on the 31st. That site recorded the month's highest temperature of 104 degrees that same day. The lowest temperature of 37 degrees was reported by the Eva Mesonet site on May 5. May also marks the end of climatological spring. Combined with a warm March and chilly April, the record-setting May propelled the season to the 30th warmest spring on record with a statewide average of 60.5 degrees, 1.2 degrees above normal. The first five
months of the year came in 0.3 degrees above normal to rank as the 41st warmest January-May on record.

Rain totals were highly variable across the state, befitting the convective nature of spring rains in Oklahoma. Parts of southeastern Oklahoma fell close to 5 inches below normal, while isolated areas in northwestern Oklahoma were more than 5 inches above. The Mesonet site at Alva in Woods County recorded 9.2 inches for the month while the Fairview site 40 miles away received 1.5 inches. Those tight gradients were evident throughout Oklahoma. The 9.2 inches at Alva led the state, while Kenton brought up the rear with 0.9 inches. Drought was threatening to develop once again across eastern Oklahoma in those areas with significant deficits. Climatological spring ended as the 22 nd driest on record with a statewide average of 8 inches, 3.12 inches below normal. The January-May period was the 49th driest with a statewide average deficit of 1.9 inches.

May 2018 Statewide Statistics
Temperature

|  | Average | Depart. | Rank (1895-2018) |
| :--- | :---: | ---: | :--- |
| Month (May) | $74.5^{\circ} \mathrm{F}$ | $6.3^{\circ} \mathrm{F}$ | 1st Warmest |
| Season-to-Date <br> (Mar-May) | $60.4^{\circ} \mathrm{F}$ | $1.1^{\circ} \mathrm{F}$ | 30th Warmest |
| Year-to-Date <br> (Jan-May) | $51.9^{\circ} \mathrm{F}$ | $0.3^{\circ} \mathrm{F}$ | 42nd Warmest |

Precipitation

|  | Total | Depart. | Rank (1895-2018) |
| :--- | :---: | :---: | :--- |
| Month (May) | 3.99 in. | -0.83 in. | 48th Driest |
| Season-to-Date <br> (Mar-May) | 8.00 in. | -3.12 in. | 22nd Driest |
| Year-to-Date <br> (Jan-May) | 12.60 in. | -1.91 in. | 49th Driest |

Depart. $=$ departure from 30-year normal

Drought decreased across the state by a mere 2 percent during May according to the U.S. Drought Monitor, but "Exceptional" drought - the Monitor's highest intensity level - dropped from 24 percent to 10 percent. A little over 45 percent of the state remained in some level of drought by the end of the month. The Climate Prediction Center (CPC) had
little good to say in their June outlooks. Their temperature outlook had greatly increased odds of above normal temperatures across the entire state, but especially the western half. The precipitation outlook indicated increased odds of below normal precipitation for Oklahoma, with higher odds across the western two-thirds. Those outlooks led to a CPC June drought outlook that called for drought to persist across the northwestern half of the state with development likely across the southeastern half.

## MAY 2018 OBSERVED PRECIPITATION



May 01, 2018 through May 31, 2018

## MAY 2018 DEPARTURE FROM NORMAL PRECIPITATION



Departure from 1981-2010 Normal Rainfall Current Month

## MAY 2018 PERCENT OF NORMAL PRECIPITATION



## MAY 2018 AVERAGE TEMPERATURE



MAY 2018 DEPARTURE FROM NORMAL TEMPERATURE


## MESONET MONTHLY SUMMARY FOR MAY 2018

| 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 | $\begin{aligned} & \text { LOW } \\ & \text { TEMP } \end{aligned}$ | DAY | HDD | CDD | $\begin{aligned} & \text { TOT } \\ & \text { PPT } \end{aligned}$ | $\begin{aligned} & \text { HIGH } \\ & 24-H R \end{aligned}$ | DAY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PANHANDLE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Arnett | 74.7 | 95 | 7 | 46 | 5 | 5 | 305 | 4.67 | 1.36 | 30 | Goodwel 1 | 71.4 | 97 | 26 | 41 | 5 | 16 | 214 | 2.95 | 1.02 | 30 |
| Beaver | 74.5 | 98 | 26 | 42 | 5 | 8 | 302 | 2.82 | . 83 | 30 | Hooker | 72.2 | 99 | 26 | 41 | 5 | 11 | 235 | 1.92 | . 65 | 28 |
| Boise City | 68.4 | 94 | 26 | 39 | 5 | 32 | 137 | 2.47 | 1.12 | 23 | Kenton | 68.1 | 96 | 27 | 38 | 6 | 36 | 133 | . 87 | . 26 | 21 |
| Buffalo | 76.3 | 97 | 9 | 48 | 4 | 4 | 353 | 3.82 | . 90 | 18 | Slapout | 74.1 | 97 | 7 | 45 | 4 | 8 | 290 | 3.23 | . 84 | 2 |
| Eva | 70.3 | 98 | 26 | 37 | 5 | 17 | 179 | 1.91 | . 92 | 30 |  |  |  |  |  |  |  |  |  |  |  |
| NORTH CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Alva | 76.6 | 99 | 14 | 47 | 5 | 1 | 361 | 9.17 | 2.93 | 23 | May Ranch | 75.3 | 96 | 11 | 47 | 4 | 4 | 325 | 6.63 | 1.50 | 25 |
| Blackwell | 74.7 | 95 | 26 | 45 | 5 | 2 | 302 | 3.31 | 1.69 | 31 | Medford | 75.2 | 96 | 14 | 45 | 5 | 2 | 317 | 3.79 | . 85 | 29 |
| Breckinridge | 74.6 | 93 | 14 | 47 | 5 | 3 | 300 | 4.61 | 1.40 | 29 | Newkirk | 73.7 | 92 | 14 | 50 | 5 | 2 | 271 | 6.12 | 2.26 | 14 |
| Cherokee | 76.5 | 98 | 14 | 47 | 5 | 1 | 358 | 5.42 | 1.62 | 25 | Red Rock | 74.9 | 94 | 27 | 48 | 5 | 1 | 308 | 1.78 | . 46 | 31 |
| Fairview | 76.9 | 99 | 26 | 48 | 5 | 0 | 370 | 1.51 | . 80 | 30 | Seiling | 76.3 | 99 | 26 | 45 | 5 | 2 | 354 | 2.34 | . 95 | 30 |
| Freedom | 76.2 | 98 | 26 | 47 | 4 | 2 | 348 | 3.23 | 1.24 | 29 | Woodward | 76.0 | 97 | 26 | 50 | 4 | 3 | 343 | 2.95 | . 62 | 24 |
| Lahoma | 75.2 | 97 | 14 | 48 | 6 | 1 | 317 | 3.13 | . 98 | 25 |  |  |  |  |  |  |  |  |  |  |  |
| NORTHEAST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bixby | 75.2 | 91 | 30 | 51 | 5 | 1 | 316 | 4.81 | 1.50 | 3 | Pawnee | 74.8 | 93 | 29 | 49 | 5 | 0 | 303 | 2.66 | . 69 | 2 |
| Burbank | 73.8 | 92 | 26 | 47 | 5 | 1 | 272 | 3.73 | 1.41 | 31 | Porter | 74.5 | 91 | 26 | 53 | 5 | 1 | 297 | 6.14 | 2.17 | 3 |
| Copan | 73.9 | 91 | 9 | 53 | 5 | 1 | 278 | 5.33 | 1.81 | 20 | Pryor | 74.0 | 91 | 28 | 48 | 5 | 3 | 282 | 3.03 | . 76 | 3 |
| Foraker | 73.4 | 92 | 9 | 53 | 5 | 0 | 260 | 5.12 | 1.62 | 14 | Skiatook | 74.4 | 90 | 26 | 55 | 5 | 1 | 293 | 3.98 | . 82 | 29 |
| Inola | 74.0 | 91 | 26 | 48 | 5 | 2 | 280 | 4.46 | 1.80 | 3 | Talala | 74.0 | 90 | 26 | 51 | 5 | 0 | 281 | 5.19 | 1.46 | 20 |
| Jay | 72.9 | 90 | 27 | 47 | 5 | 6 | 252 | 3.61 | 1.38 | 20 | Tulsa | 76.4 | 93 | 26 | 53 | 5 | 0 | 355 | 2.02 | . 51 | 31 |
| Miami | 73.4 | 90 | 28 | 48 | 5 | 3 | 263 | 3.81 | 1.17 | 20 | Vinita | 73.2 | 90 | 26 | 50 | 5 | 3 | 255 | 3.54 | 1.13 | 20 |
| Nowata | 73.1 | 92 | 28 | 47 | 5 | 2 | 254 | 5.01 | 1.57 | 20 | Wynona | 74.3 | 92 | 30 | 52 | 5 | 0 | 289 | 2.40 | . 85 | 2 |
| WEST CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bessie | 76.2 | 98 | 26 | 51 | 5 | 1 | 347 | 2.04 | . 42 | 29 | Erick | 76.0 | 96 | 7 | 43 | 5 | 2 | 342 | 3.78 | 1.40 | 14 |
| Butler | 76.4 | 97 | 8 | 44 | 5 | 1 | 354 | 3.08 | . 94 | 15 | Putnam | 76.1 | 98 | 26 | 52 | 4 | 1 | 346 | 1.27 | . 48 | 29 |
| Camargo | 75.1 | 97 | 26 | 44 | 5 | 3 | 314 | 3.88 | 1.97 | 30 | Watonga | 75.9 | 95 | 31 | 53 | 5 | 1 | 338 | 2.15 | . 94 | 16 |
| Cheyenne | 75.3 | 96 | 26 | 50 | 4 | 3 | 321 | 2.21 | . 91 | 2 | Weatherford | 76.1 | 97 | 26 | 51 | 4 | 2 | 345 | 1.92 | . 55 | 15 |
| Elk City | 76.0 | 96 | 7 | 51 | 5 | 0 | 340 | 3.57 | 1.27 | 14 |  |  |  |  |  |  |  |  |  |  |  |
| CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Acme | 74.6 | 93 | 30 | 47 | 5 | , | 300 | 4.77 | 1.26 | 3 | Marshal 1 | 75.1 | 94 | 14 | 45 | 5 | 3 | 315 | 4.79 | 1.71 | 25 |
| Bowlegs | 73.9 | 92 | 30 | 52 | 5 | 1 | 278 | 7.24 | 2.12 | 3 | Norman | 74.8 | 94 | 30 | 51 | 5 | 0 | 305 | 4.18 | 1.26 | 3 |
| Bristow | 74.3 | 93 | 30 | 47 | 5 | **** | **** | 1.89 | . 60 | 30 | Oilton | 74.1 | 92 | 30 | 46 | 5 | 3 | 285 | 3.65 | 1.07 | 29 |
| Lake Carl Blac | 74.6 | 93 | 27 | 46 | 5 | 2 | 300 | 2.98 | 1.00 | 31 | OKC East | 75.3 | 93 | 30 | 50 | 5 | 1 | 321 | 4.64 | 1.60 | 25 |
| Chandler | 75.0 | 93 | 30 | 50 | 5 | 0 | 312 | 4.34 | 1.25 | 3 | Oklahoma City | ***** | *** | *** | *** | *** | **** | **** | ***** | ***** | *** |
| Chickasha | 74.5 | 95 | 30 | 50 | 5 | 1 | 297 | 6.45 | 2.71 | 15 | Okemah | 74.3 | 95 | 30 | 50 | 5 | 1 | 291 | 4.99 | 2.48 | 3 |
| E1 Reno | 73.6 | 94 | 30 | 46 | 5 | 5 | 271 | 1.82 | . 69 | 2 | Perkins | 75.3 | 93 | 30 | 49 | 5 | 0 | 318 | 3.92 | 1.48 | 31 |
| Guthrie | 75.5 | 93 | 30 | 49 | 5 | 0 | 326 | 5.09 | 1.87 | 31 | Shawnee | 74.5 | 94 | 30 | 52 | 5 | 0 | 296 | 4.79 | . 94 | 3 |
| Kingfisher | 76.0 | 98 | 30 | 43 | 5 | 4 | 344 | 3.27 | . 95 | 31 | Spencer | 74.9 | 92 | 30 | 51 | 5 | 1 | 308 | 4.80 | 1.56 | 25 |
| Marena | 74.6 | 91 | 7 | 51 | 5 | 0 | 296 | 3.85 | 1.23 | 31 | Stillwater | 75.5 | 93 | 27 | 48 | 5 | 0 | 325 | 3.88 | 1.04 | 2 |
| Minco | 74.5 | 94 | 30 | 51 | 5 | 1 | 297 | 4.39 | 2.82 | 2 | Washington | 74.3 | 92 | 30 | 52 | 5 | 1 | 287 | 7.43 | 2.07 | 3 |
| EAST CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cookson | 72.9 | 90 | 30 | 48 | 5 | 6 | 249 | 7.12 | 2.20 | 15 | Sallisaw | 74.7 | 93 | 30 | 51 | 6 | 3 | 304 | 3.49 | 1.23 | 3 |
| Eufaula | 74.6 | 93 | 30 | 53 | 5 | 2 | 298 | 6.16 | 2.36 | 2 | Stigler | 74.4 | 92 | 30 | 51 | 5 |  | 293 | 4.78 | 1.45 | 15 |
| Haskell | ***** | *** | *** | *** | *** | **** | **** | 5.31 | 1.94 | 3 | Stuart | 74.5 | 92 | 30 | 54 | 5 | 2 | 296 | 3.55 | 1.11 | 3 |
| Hectorville | 74.8 | 91 | 30 | 54 | 5 | 1 | 304 | 5.03 | 2.22 | 3 | Tahlequah | 73.1 | 91 | 28 | 48 | 5 |  | 256 | 6.11 | 2.51 | 3 |
| Holdenville | 74.5 | 92 | 30 | 55 | 5 | 1 | 297 | 4.96 | 1.16 | 2 | Webbers Falls | 76.0 | 95 | 30 | 53 | 5 | 1 | 342 | 5.63 | 1.56 | 15 |
| McAlester | 74.4 | 92 | 30 | 49 | 5 | 4 | 295 | 3.27 | 1.37 | 3 | Westville | 72.4 | 88 | 28 | 48 | 5 | 4 | 233 | 5.17 | 2.23 | 3 |
| 0 kmulgee | 73.7 | 92 | 30 | 51 | 5 | 3 | 271 | 5.37 | 2.39 | 3 |  |  |  |  |  |  |  |  |  |  |  |
| SOUTHWEST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Altus | 78.7 | 103 | 31 | 52 | 5 | 0 | 424 | 3.62 | 1.81 | 15 | Holl is | 78.3 | 101 | 25 | 48 | 5 | 0 | 413 | 2.58 | . 81 | 20 |
| Apache | 74.8 | 95 | 31 | 52 | 5 | 0 | 304 | 4.32 | 1.45 | 2 | Mangum | 76.5 | 99 | 30 | 46 | 5 | 1 | 359 | 3.82 | . 79 | 20 |
| Fort Cobb | 75.9 | 96 | 30 | 50 | 5 | 0 | 339 | 3.50 | 1.27 | 15 | Medicine Park | 75.0 | 95 | 31 | 57 | 5 | , | 310 | 5.26 | 1.64 | 2 |
| Grandfield | 77.2 | 104 | 31 | 52 | 6 | 0 | 377 | 4.23 | 1.34 | 2 | Tipton | 78.4 | 103 | 31 | 52 | 5 | 0 | 416 | 3.25 | 1.29 | 3 |
| Hinton | 75.2 | 96 | 31 | 48 | 5 | 2 | 319 | 2.64 | . 95 | 15 | Walters | 75.7 | 97 | 30 | 53 | 5 | 0 | 333 | 4.35 | 1.99 | 19 |
| Hobart | 76.3 | 96 | 30 | 49 | 5 | 1 | 350 | 5.13 | 1.21 | 29 |  |  |  |  |  |  |  |  |  |  |  |
| SOUTH CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ada | 74.3 | 93 | 30 | 50 | 5 | 2 | 289 | 4.20 | 1.14 | 3 | Lane | 74.3 | 92 | 30 | 50 | 6 | 3 | 292 | 3.17 | 1.38 | 15 |
| Ardmore | 75.7 | 93 | 31 | 54 | 5 | 0 | 331 | 6.84 | 2.52 | 3 | Madil1 | 75.2 | 93 | 30 | 50 | 6 | 1 | 316 | 3.93 | 1.70 | 3 |
| Burneyville | 76.1 | 97 | 30 | 51 | 6 | 0 | 346 | 5.54 | 3.11 | 3 | Newport | 75.3 | 94 | 30 | 53 | 5 | 0 | 320 | 6.04 | 1.49 | 15 |
| Byars | 74.6 | 93 | 30 | 54 | 5 | 1 | 300 | 4.10 | 1.33 | 20 | Pauls Valley | 75.0 | 94 | 30 | 53 | 5 | 0 | 311 | 5.67 | 1.86 | 15 |
| Centrahoma | 74.4 | 93 | 30 | 50 | 5 | 3 | 296 | 5.06 | 2.68 | 3 | Ringling | 75.7 | 96 | 30 | 52 | 5 | 0 | 332 | 2.44 | 1.03 | 3 |
| Durant | 75.4 | 92 | 26 | 54 | 5 | 1 | 324 | 4.86 | 1.24 | 15 | Sulphur | 74.3 | 91 | 30 | 50 | 5 | 2 | 290 | 7.57 | 2.37 | 15 |
| Fittstown | 73.8 | 93 | 30 | 51 | 5 | 3 | 275 | 4.15 | 2.36 | 3 | Tishomingo | 74.6 | 92 | 30 | 52 | 5 | 1 | 298 | 6.82 | 2.55 | 3 |
| Ketchum Ranch | 74.9 | 93 | 30 | 52 | 5 | 0 | 306 | 6.74 | 2.43 | 19 | Waurika | 76.6 | 97 | 30 | 52 | 5 | 0 | 360 | 4.58 | 1.40 | 3 |
| SOUTHEAST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Antlers | 74.0 | 92 | 30 | 48 | 6 | 3 | 282 | 3.56 | 1.24 | 15 | Mt Herman | 74.2 | 92 | 30 | 52 | 6 | 1 | 285 | 5.70 | 3.73 | 22 |
| Broken Bow | 74.4 | 95 | 26 | 51 | 6 | 0 | 292 | 1.38 | . 72 | 3 | Talihina | 74.7 | 94 | 30 | 49 | 6 | 2 | 302 | 2.40 | 1.20 | 3 |
| Clayton | 74.7 | 93 | 30 | 49 | 6 | 3 | 304 | 3.31 | 1.16 | 3 | Valliant | 74.8 | 96 | 30 | 49 | 6 | 0 | 304 | 1.41 | . 53 | 15 |
| Cloudy | 74.1 | 93 | 30 | 51 | 6 | 2 | 284 | 3.55 | 1.61 | 15 | Wilburton | 75.1 | 93 | 30 | 51 | 6 | 2 | 314 | 2.61 | 1.36 | 3 |
| Hugo | 75.5 | 92 | 30 | 54 | 5 | 1 | 325 | 2.49 | . 78 | 15 | Wister | 73.2 | 94 | 30 | 49 | 6 | 4 | 257 | 3.13 | 1.63 | 15 |
| I dabe 1 | 75.3 | 97 | 30 | 52 | 6 | 0 | 318 | 2.05 | 1.28 | 3 |  |  |  |  |  |  |  |  |  |  |  |

2018 STATEWIDE PRECIPITATION MONTHLY TOTALS VS. NORMAL


May 2018 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) | May-17 <br> (inches) |
| :--- | :---: | :---: | :--- | :--- | :--- | :--- |
| Panhandle | 2.74 | 0.04 | 52nd Wettest | 7.12 (2015) | $0.19(2004)$ | 2.78 |
| North Central | 4.15 | -0.21 | 55th Wettest | $11.11(1957)$ | $0.63(1970)$ | 4.26 |
| Northeast | 4.05 | -1.64 | 43rd Driest | $17.98(1943)$ | $1.45(1911)$ | 6.96 |
| West Central | 2.66 | -1.41 | 41st Driest | $12.10(1982)$ | $0.42(1966)$ | 2.94 |
| Central | 4.42 | -0.60 | 56th Driest | $15.50(2015)$ | $0.92(1988)$ | 4.18 |
| East Central | 5.07 | -0.76 | 59th Driest | $17.48(2015)$ | $1.56(1921)$ | 6.35 |
| Southwest | 3.88 | -0.33 | 61st Wettest | $16.40(2015)$ | $0.44(1966)$ | 2.54 |
| South Central | 5.11 | -0.21 | 61st Wettest | $20.69(2015)$ | $0.58(1988)$ | 5.76 |
| Southeast | 2.87 | -3.28 | 14th Driest | $20.03(2015)$ | $1.21(1988)$ | 3.98 |
| Statewide | 3.95 | -0.87 | 46th Driest | $14.42(2015)$ | $1.23(1988)$ | 4.49 |



May 2018 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) | May-17 (F) |
| :--- | :---: | :---: | :--- | :--- | :--- | :--- |$|$| Panhandle | 72.2 | 7.1 | 1st Warmest | $71.1(1896)$ | $58.0(1907)$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| North Central | 75.5 | 8.1 | 1st Warmest | $74.5(1962)$ | $60.6(1907)$ |
| Northeast | 74.1 | 6.6 | 2nd Warmest | $74.4(1962)$ | $61.7(1917)$ |
| West Central | 75.9 | 8.0 | 1st Warmest | $75.0(1896)$ | $60.9(1907)$ |
| Central | 74.4 | 5.8 | 2nd Warmest | $74.6(1962)$ | $62.0(1907)$ |
| East Central | 74.1 | 5.6 | 2nd Warmest | $74.3(1962)$ | $63.2(1917)$ |
| Southwest | 76.6 | 6.6 | 1st Warmest | $76.4(1996)$ | $63.5(1907)$ |
| South Central | 75.0 | 4.9 | 2nd Warmest | $75.1(1996)$ | $63.5(1907)$ |
| Southeast | 74.5 | 5.9 | 1st Warmest | $73.1(1899)$ | $62.8(1917)$ |
| Statewide | 74.7 | 6.5 | 1st Warmest | $74.0(1962)$ | $61.9(1907)$ |

MESONET EXTREMES FOR MAY 2018

| Climate Division | High <br> Temp <br> (F) | Day | Station | Low <br> (F) | Day | Station | High Monthly Rainfall (inches | Station | High Daily Rainfall (inches) (inches) | Day | Station |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Panhandle | 99 | 26th | Hooker | 37 | 5th | Eva | 4.67 | Arnett | 1.36 | 30th | Arnett |
| North Central | 99 | 26th | Fairview | 45 | 5th | Blackwell | 9.17 | Alva | 2.93 | 23rd | Alva |
| Northeast | 93 | 26th | Tulsa | 47 | 5th | Jay | 6.14 | Porter | 2.17 | 3 rd | Porter |
| West Central | 98 | 26th | Putnam | 43 | 5th | Erick | 3.88 | Camargo | 1.97 | 30th | Camargo |
| Central | 98 | 30th | Kingfisher | 43 | 5th | Kingfisher | 7.43 | Washington | 2.82 | 2nd | Minco |
| East Central | 95 | 30th | Webbers Falls | 48 | 5th | Tahlequah | 7.12 | Cookson | 2.51 | 3rd | Tahlequah |
| Southwest | 104 | 31st | Grandfield | 46 | 5th | Mangum | 5.26 | Medicine Park | 1.99 | 19th | Walters |
| South Central | 97 | 30th | Waurika | 50 | 5th | Sulphur | 7.57 | Sulphur | 3.11 | 3 rd | Burneyville |
| Southeast | 97 | 30th | Idabel | 48 | 6th | Antlers | 5.70 | Mt Herman | 3.73 | 22nd | Mt Herman |
| Statewide | 104 | 31st | Grandfield | 37 | 5th | Eva | 9.17 | Alva | 3.73 | 22nd | Mt Herman |

Oklahoma Climate Divisions


## U.S. Drought Monitor Oklahoma



May 29, 2018
(Released Thursday, May. 31, 2018) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

|  |  | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Current | 37.27 | 62.73 | 45.53 | 40.54 | 29.71 | 9.81 |
| Last Week <br> 05-22-2018 | 46.24 | 53.76 | 45.55 | 40.54 | 31.09 | 14.25 |
| 3 Months Ago <br> 02-27-2018 | 7.72 | 92.28 | 66.20 | 43.87 | 32.91 | 0.00 |
| Start of <br> Calendar Year <br> 01-02-2018 | 0.00 | 100.00 | 77.15 | 38.76 | 0.00 | 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> 05-30-2017 | 97.17 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 |

Intensity:

| D0 Abnormally Dry |  |
| :--- | :--- |
| D1 Moderate Drought |  |
| D2 Severe Drought |  |
| D2 Extreme Drought |  |
| D2 Exceptional Drought |  |

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

Author:
Anthony Artusa
NOAA/NWS/NCEP/CPC


## 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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