August's heat and drought appeared ferocious at first, with widespread triple-digit temperatures and moisture deficits throughout the first half of the month. A strong cold front signaled a pattern change, however, and the heat settled into more seasonable levels for the last half of the month. On the whole, August was still well above normal and contributed to the hottest climatological summer seen in the state since 2011. There was just enough rainfall to provide some drought relief near the end of the month, but not before the coverage of severe drought had expanded to its highest levels in the state since March 5, 2013. The Aug. 9 U.S. Drought Monitor report had $92.5 \%$ of the state in at least severe drought, but that level had diminished to $88 \%$ at month's end. Impacts reported to the Oklahoma Mesonet included dry farm ponds, cattle sell-offs, a lack of hay and grazing, and crop failures. There was some severe weather associated with the rainy periods in the form of damaging winds and hail, but the

August 2022 Statewide Extremes

| Description | Extreme | Station | Day |
| :--- | :---: | :--- | :---: |
| High Temperature | $110^{\circ} \mathrm{F}$ | Hollis | 4 |
| Low Temperature | $51^{\circ} \mathrm{F}$ | Eva | 25 |
| High Precipitation | 8.88 in. | Waurika | -- |
| Low Precipitation | 0.17 in. | Red Rock | -- |

more significant impacts came in the way of heavy rains. Widespread flash flooding occurred over Aug. 22-23 and again on the 29th in parts of central and southern Oklahoma, and necessitated road closures and water rescues for stranded motorists.

The statewide average precipitation total was 2.13 inches according to preliminary data from the Oklahoma Mesonet, 1.1 inches below normal and ranked as the 40th driest August since records began in 1895. As is usually the case in Oklahoma, some parts of the state fared much better than others. South central and southwest Oklahoma saw their 38th and 39th wettest Augusts on record, respectively. Meanwhile, the north central and northeast regions suffered through their third and ninth driest Augusts, respectively. Waurika led all Mesonet sites with 8.88 inches for the month while Red Rock's gauge measured a measly 0.17 inches. Thirty-two of the Mesonet's 120 sites failed to reach at least
an inch of rain during August, and 28 sites saw 3 inches or more. The climatological summer-June 1 through Aug. 31ended as the 30th driest on record at 7.48 inches, 3.21 inches below normal. Deficits of 2-8 inches were common across the state, with a few very localized surpluses of 2-8 inches. The first eight months of the year were equally as dry with a statewide average of 21.34 inches, 3.91 inches below normal and ranked as the 40th driest January-August on record.

The statewide average temperature finished at 81.9 degrees, 1.1 degrees above normal and ranked as the 46th warmest August on record dating back to 1895. Temperatures peaked early in the month with Hollis hitting the month's high mark at 110 degrees on Aug. 4. Triple-digit temperatures occurred on 18 of August's 31 days, and were recorded 826 times at Mesonet sites during the month. The month's lowest temperature of 51 degrees was recorded at Eva on the 25th.

August 2022 Statewide Statistics
Temperature

|  | Average | Depart. | Rank (1895-2022) |
| :--- | :---: | :---: | :--- |
| Month (Aug) | $81.9^{\circ} \mathrm{F}$ | $1.1^{\circ} \mathrm{F}$ | 46th Warmest |
| Season-to-Date <br> (Jun-Aug) | $82.7^{\circ} \mathrm{F}$ | $2.6^{\circ} \mathrm{F}$ | 9th Warmest |
| Year-to-Date <br> (Jan-Aug) | $63.5^{\circ} \mathrm{F}$ | $0.8^{\circ} \mathrm{F}$ | 23rd Warmest |

Precipitation

|  | Total | Deparf. | Rank (1895-2022) |
| :--- | ---: | ---: | :--- |
| Month (Aug) | 2.13 in. | -l.1 in. | 40th Driest |
| Season-fo-Date <br> (Jun-Aug) | 7.48 in. | -3.21 in. | 30th Driest |
| Year-fo-Date <br> (Jan-Aug) | 21.34 in. | -3.91 in. | 40th Driest |

Depart. $=$ departure from 30-year normal

August's heat topped off an uncommonly hot summer, which ended with a statewide average of 82.7 degrees, 2.6 degrees above normal and ranked as the ninth warmest June-August on record. That also marks the summer as the warmest in Oklahoma since 2011's 86.8 degrees, which tied with Texas that year for the hottest summer in any state and any year since records began in 1895. This summer's temperatures
topped out on July 19 at Mangum at 115 degrees, tying the Mesonet's all-time highest reading with six other sites dating back to 1997. Oklahoma had not seen a temperature that high since Kingfisher hit 115 back on Aug. 1, 2012. The heat continued to mount for 2022 with the first eight months of the year finishing at 63.5 degrees, 0.8 degrees above normal and ranking as the 23rd warmest January-August on record.

The September temperature and precipitation outlooks from the Climate Prediction Center aren't full of doom and gloom at least, but they aren't exactly rosy, either. The outlooks show equal odds of above-, below-, and near-normal temperatures and precipitation over the bulk of the state. There are increased odds of above normal temperatures in the western Panhandle and above normal rainfall in far southeastern Oklahoma. CPC's September drought outlook calls for some improvement in the drought across roughly the southeastern one-third of the state, but persistence across the remainder of Oklahoma.

## AUGUST 2022 OBSERVED PRECIPITATION



31-Day Rainfall Accumulation (inches)
Aug 1, 2022 12:00 AM CDT - Sep 1, 2022 12:00 AM CDT

## AUGUST 2022 DEPARTURE FROM NORMAL PRECIPITATION



Departure from 1981-2010 Normal Rainfall Calendar Month to Date

Aug 1, 2022 through Aug 31, 2022
Created 3:4123 AM Seplember 1, 2022 CDT. Copyright 2022

## AUGUST 2022 PERCENT OF NORMAL PRECIPITATION

 Calendar Month to Date

Aug 1, 2022 through Aug 31, 2022
created 3.41 .23 AM September 1.2022 CDT Copynght 2022

## AUGUST 2022 AVERAGE TEMPERATURE



Average Air Temperature

AUGUST 2022 DEPARTURE FROM NORMAL TEMPERATURE


Average Air Temperature
Created 7:25:51 AM Seplember 1, 2022 CDT. © Copyright 2022

| NAME | MEAN TEMP | HIGH <br> TEMP | 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 | 80.3 | 102 | 3 | 61 | 18 | 0 | 476 | 1.27 | . 91 | 21 | Goodwe 11 | 78.2 | 102 | 6 | 54 | 23 | 0 | 410 | . 57 | . 27 | 29 |
| Beaver | 80.8 | 103 | 6 | 55 | 25 | 0 | 491 | 2.00 | 1.02 | 27 | Hooker | 79.3 | 103 | 6 | 56 | 23 | 0 | 443 | 1.82 | . 65 | 27 |
| Boise City | 75.5 | 98 | 6 | 54 | 24 | 0 | 324 | 1.30 | . 91 | 17 | Kenton | 75.6 | 98 | 6 | 54 | 23 | 0 | 328 | 2.88 | 2.03 | 16 |
| Buffalo | 82.2 | 106 | 6 | 57 | 23 | 0 | 533 | . 55 | . 20 | 19 | Slapout | 80.0 | 102 | 6 | 58 | 24 | 0 | 464 | 1.02 | . 55 | 27 |
| Eva | 76.8 | 103 | 5 | 51 | 25 | 0 | 365 | . 91 | . 46 | 16 |  |  |  |  |  |  |  |  |  |  |  |
| NORTH CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Alva | 47.0 | 104 | 3 | *** | 31 | 0 | 504 | . 30 | . 21 | 27 | May Ranch | 82.0 | 103 | 7 | 61 | 23 | 0 | 526 | . 25 | . 12 | 19 |
| Blackwell | 81.4 | 102 | 3 | 59 | 19 | 0 | 507 | . 28 | . 22 | 27 | Medford | 82.1 | 104 | 3 | 59 | 19 | 0 | 529 | . 32 | . 14 | 27 |
| Breckinridge | 82.2 | 103 | 3 | 59 | 19 | 0 | 534 | . 78 | . 28 | 29 | Newkirk | 81.5 | 102 | 3 | 60 | 18 | 0 | 513 | . 82 | . 61 | 28 |
| Cherokee | 82.5 | 105 | 3 | 58 | 24 | 0 | 541 | . 27 | . 22 | 27 | Red Rock | 81.8 | 104 | 16 | 60 | 19 | 0 | 520 | . 17 | . 14 | 4 |
| Fairview | 82.9 | 105 | 5 | 61 | 24 | 0 | 555 | 1.06 | . 47 | 27 | Seiling | 81.8 | 103 | 5 | 57 | 24 | 0 | 520 | . 77 | . 36 | 21 |
| Freedom | 82.3 | 104 | 5 | 59 | 22 | - | 535 | . 24 | . 12 | 19 | Woodward | 80.9 | 101 | 3 | 59 | 24 | 0 | 494 | . 87 | . 40 | 27 |
| Lahoma | 81.8 | 103 | 3 | 60 | 19 | 0 | 521 | . 53 | . 21 | 27 |  |  |  |  |  |  |  |  |  |  |  |
| NORTHEAST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bixby | 81.3 | 103 | 16 | 62 | 19 | 0 | 506 | . 70 | . 34 | 29 | Pawnee | 82.7 | 104 | 16 | 62 | 25 | 0 | 550 | 1.97 | 1.93 | 29 |
| Burbank | 80.8 | 103 | 16 | 58 | 19 | 0 | 489 | . 20 | . 10 | 28 | Porter | 81.4 | 102 | 16 | 63 | 25 | 0 | 507 | . 69 | . 29 | 4 |
| Copan | 82.1 | 103 | 15 | 59 | 12 | 0 | 530 | 1.91 | 1.42 | 16 | Pryor | 80.0 | 100 | 16 | 60 | 25 | 0 | 465 | 2.44 | 1.49 | 29 |
| Foraker | 81.3 | 103 | 16 | 59 | 18 | 0 | 505 | . 44 | . 19 | 28 | Skiatook | 82.5 | 104 | 16 | 63 | 18 | 0 | 544 | 1.29 | . 74 | 20 |
| Inola | 46.8 | 104 | 16 | *** | 1 | 0 | 496 | . 91 | . 46 | 4 | Talala | 82.0 | 103 | 16 | 61 | 18 | 0 | 526 | . 55 | . 38 | 29 |
| Jay | 78.8 | 97 | 3 | 60 | 25 | 0 | 428 | 3.74 | 1.56 | 9 | Tulsa | 83.6 | 105 | 16 | 65 | 18 | 0 | 575 | 1.11 | . 91 | 29 |
| Miami | 80.4 | 100 | 15 | 58 | 31 | 0 | 478 | 1.36 | . 37 | 16 | Vinita | 80.3 | 101 | 15 | 59 | 25 | 0 | 474 | 2.27 | 1.08 | 16 |
| Nowata | 81.3 | 102 | 16 | 58 | 12 | 0 | 506 | . 48 | . 24 | 29 | Wynona | 82.0 | 103 | 16 | 61 | 19 | 0 | 528 | . 76 | . 73 | 29 |
| WEST CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bessie | 83.3 | 106 | 5 | 63 | 19 | 0 | 567 | 2.95 | 2.13 | 21 | Erick | 82.1 | 105 | 4 | 59 | 19 | 0 | 532 | 1.64 | . 94 | 21 |
| Butler | 82.3 | 104 | 5 | 60 | 19 | 0 | 537 | 2.97 | 2.45 | 21 | Putnam | 82.4 | 106 | 5 | 59 | 24 | 0 | 539 | 2.21 | 1.05 | 8 |
| Camargo | 80.7 | 103 | 3 | 57 | 24 | 0 | 488 | 1.60 | . 65 | 27 | Watonga | 83.2 | 105 | 3 | 63 | 23 | 0 | 566 | 1.19 | . 58 | 21 |
| Cheyenne | 82.0 | 103 | 5 | 62 | 24 | 0 | 528 | 3.08 | 2.44 | 21 | Weatherford | 83.3 | 104 | 3 | 64 | 18 | 0 | 566 | 1.95 | 1.66 | 21 |
| Elk City | 82.5 | 105 | 5 | 64 | 19 | 0 | 544 | 2.96 | 2.05 | 21 |  |  |  |  |  |  |  |  |  |  |  |
| CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Acme | 83.2 | 105 | 5 | 59 | 19 | 0 | 565 | 2.85 | 1.34 | 9 | Norman | 83.6 | 103 | 5 | 63 | 19 | 0 | 575 | . 84 | . 42 | 21 |
| Bristow | 80.7 | 104 | 16 | 59 | 19 | 0 | 488 | . 80 | . 21 | 4 | 0ilton | 81.8 | 104 | 16 | 60 | 19 | 0 | 519 | . 73 | . 34 | 29 |
| Lake Carl Blac | 80.6 | 102 | 16 | 57 | 19 | 0 | 484 | 3.88 | 2.65 | 29 | OKC East | 83.6 | 103 | 16 | 62 | 19 | 0 | 576 | 2.57 | 2.28 | 28 |
| Chandler | 82.5 | 103 | 16 | 62 | 19 | 0 | 543 | 2.08 | 1.66 | 28 | Okemah | 82.7 | 104 | 3 | 61 | 19 | 0 | 549 | 1.17 | . 63 | 9 |
| Chickasha | 83.4 | 106 | 3 | 60 | 19 | 0 | 570 | 2.38 | . 79 | 5 | Perkins | 82.9 | 104 | 3 | 62 | 19 | 0 | 555 | 1.65 | . 95 | 29 |
| El Reno | 81.5 | 105 | 16 | 56 | 19 | 0 | 512 | 1.47 | . 63 | 21 | Seminole | 83.1 | 104 | 5 | 61 | 19 | 0 | 560 | . 34 | . 13 | 23 |
| Guthrie | 84.0 | 105 | 3 | 63 | 19 | **** | **** | 2.09 | 1.33 | 28 | Shawnee | 83.7 | 105 | 3 | 62 | 19 | 0 | 578 | 1.49 | . 91 | 29 |
| Kingfisher | 83.9 | 108 | 3 | 59 | 19 | 0 | 585 | . 99 | . 56 | 8 | Spencer | 82.9 | 103 | 16 | 62 | 25 | 0 | 555 | 2.96 | 2.68 | 28 |
| Marena | 82.0 | 104 | 16 | 62 | 19 | 0 | 527 | 3.01 | 1.14 | 29 | Stillwater | 82.1 | 103 | 16 | 61 | 19 | 0 | 531 | 1.49 | . 66 | 29 |
| Minco | 82.7 | 103 | 3 | 63 | 19 | 0 | 550 | 1.49 | . 45 | 21 | Washington | 83.1 | 107 | 5 | 61 | 19 | 0 | 560 | 2.37 | 1.35 | 29 |
| Marshal 1 | 82.6 | 103 | 3 | 58 | 19 | 0 | 544 | 1.90 | 1.47 | 28 | Yukon | 82.5 | 103 | 3 | 62 | 19 | 0 | 544 | 5.62 | 3.02 | 29 |
| EAST CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cookson | 80.5 | 99 | 3 | 61 | 19 | 0 | 480 | 2.26 | 1.43 | 9 | Sallisaw | 80.8 | 100 | 16 | 63 | 19 | 0 | 490 | 1.76 | . 59 | 9 |
| Eufaula | 83.0 | 104 | 16 | 66 | 19 | 0 | 559 | 5.85 | 2.35 | 28 | Stigler | 81.8 | 104 | 16 | 63 | 25 | 0 | 520 | 2.91 | 1.13 | 9 |
| Haskell | 81.1 | 104 | 16 | 62 | 19 | 0 | 500 | . 53 | . 19 | 17 | Stuart | 83.6 | 104 | 16 | 64 | 19 | 0 | 576 | 1.18 | . 44 | 10 |
| Hectorville | 83.7 | 106 | 16 | 65 | 25 | 0 | 579 | . 98 | . 51 | 29 | Tahlequah | 79.6 | 99 | 3 | 62 | 25 | 0 | 452 | 4.79 | 2.82 | 9 |
| Holdenville | 83.4 | 104 | 16 | 63 | 25 | 0 | 569 | . 96 | . 47 | 9 | Webbers Falls | 80.5 | 101 | 3 | 62 | 25 | **** | **** | 3.56 | 2.46 | 9 |
| McAlester | 82.8 | 103 | 5 | 63 | 14 | 0 | 551 | 3.12 | . 87 | 29 | Westville | 79.1 | 98 | 3 | 62 | 12 | 0 | 436 | 4.12 | 1.63 | 9 |
| 0 kmulg gee | 81.7 | 105 | 16 | 60 | 25 | 0 | 519 | 1.89 | . 97 | 29 |  |  |  |  |  |  |  |  |  |  |  |
| SOUTHWEST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Altus | 85.0 | 108 | , | 66 | 19 | 0 | 620 | 3.14 | 1.42 | 21 | Hollis | 84.8 | 110 |  | 65 | 19 | 0 | 613 | 2.38 | 1.55 | 21 |
| Apache | 82.7 | 104 | 3 | 62 | 19 | 0 | 549 | 2.14 | 1.53 | 29 | Mangum | 83.6 | 108 | 4 | 58 | 19 | 0 | 575 | 1.93 | 1.24 | 21 |
| Fort Cobb | ***** | *** | *** | *** | *** | **** | **** | 2.25 | 1.04 | 29 | Medicine Park | 84.2 | 106 | 4 | 65 | 19 | 0 | 595 | 2.79 | 1.19 | 21 |
| Grandfield | 85.1 | 108 | 4 | 66 | 19 | 0 | 622 | 3.85 | 2.34 | 21 | Tipton | 84.6 | 107 | 4 | 67 | 19 | 0 | 606 | 4.14 | 1.71 | 21 |
| Hinton | 81.9 | 105 | 3 | 62 | 19 | 0 | 523 | 2.68 | . 95 | 21 | Walters | 84.5 | 107 | 5 | 65 | 19 | 0 | 605 | 4.62 | 3.32 | 21 |
| Hobart | 84.3 | 107 | 4 | 61 | 19 | 0 | 599 | 2.06 | 1.36 | 21 |  |  |  |  |  |  |  |  |  |  |  |
| SOUTH CENTRAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ada | 83.5 | 104 | 5 | 63 | 25 | 0 | 574 | 1.45 | . 59 | 21 | Lane | 83.1 | 103 | 16 | 64 | 14 | 0 | 561 | 3.23 | 2.41 | 21 |
| Ardmore | 83.7 | 103 | 5 | 67 | 14 | 0 | 580 | 3.78 | 2.36 | 21 | Madil1 | 83.8 | 104 | 5 | 67 | 19 | **** | **** | 5.00 | 3.81 | 21 |
| Burneyville | 83.1 | 105 | 5 | 63 | 19 | 0 | 561 | 3.65 | 2.24 | 21 | Newport | 84.1 | 105 | 5 | 66 | 19 | 0 | 593 | 3.89 | 1.99 | 21 |
| Byars | 83.6 | 105 | 5 | 64 | 25 | 0 | 577 | 2.59 | 1.52 | 29 | Pauls Valley | 83.9 | 105 | 5 | 64 | 19 | 0 | 586 | 2.06 | 1.63 | 21 |
| Centrahoma | 83.7 | 105 | 16 | 64 | 25 | 0 | 579 | . 95 | . 62 | 21 | Ringling | 84.2 | 104 | 5 | 66 | 19 | 0 | 596 | 5.46 | 4.25 | 21 |
| Durant | 84.0 | 103 | 5 | 69 | 14 | 0 | 588 | 2.41 | 1.42 | 21 | Sulphur | 83.7 | 104 | 5 | 64 | 25 | 0 | 581 | 1.16 | . 99 | 21 |
| Fittstown | 81.9 | 104 | 5 | 61 | 19 | 0 | 525 | 2.06 | . 85 | 21 | Tishomingo | 83.0 | 104 | 5 | 64 | 19 | 0 | 558 | 1.30 | 1.20 | 21 |
| Ketchum Ranch | 84.3 | 106 | 5 | 63 | 19 | 0 | 597 | 3.11 | 1.74 | 21 | Waurika | 84.7 | 108 | 5 | 66 | 19 | 0 | 612 | 8.88 | 4.10 | 21 |
| SOUTHEAST |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Antlers | 81.9 | 104 | 16 | 62 | 14 | 0 | 523 | 3.23 | 2.34 | 21 | Mt Herman | 80.4 | 99 | 3 | 62 | 14 | 0 | 478 | 5.67 | 2.31 | 21 |
| Broken Bow | 82.1 | 102 | 3 | 61 | 14 | 0 | 530 | 3.76 | 2.23 | 22 | Talihina | 82.7 | 102 | 15 | 63 | 14 | 0 | 550 | 2.24 | . 90 | 9 |
| Clayton | 82.4 | 103 | 5 | 65 | 25 | 0 | 538 | 2.67 | 1.05 | 9 | Valliant | 82.9 | 103 | 5 | 62 | 14 | 0 | 554 | 2.86 | 1.92 | 22 |
| Cloudy | 81.6 | 101 | 16 | 64 | 14 | 0 | 515 | 5.32 | 3.79 | 21 | Wilburton | 83.2 | 105 | 5 | 64 | 14 | 0 | 566 | 1.47 | . 55 | 9 |
| Hugo | 83.2 | 103 | 16 | 67 | 14 | 0 | 564 | 2.66 | 1.64 | 21 | Wister | 81.3 | 103 | 3 | 61 | 14 | 0 | 505 | 3.55 | 2.30 | 9 |
| Idabe 1 | 82.7 | 102 | 5 | 63 | 14 | 0 | 548 | 5.15 | 3.68 | 22 |  |  |  |  |  |  |  |  |  |  |  |

2022 STATEWIDE PRECIPITATION MONTHLY TOTALS VS. NORMAL


August 2022 Mesonet Precipitation Comparison

| Climate Division | Precipitation (inches) | Departure from Normal (inches) | Rank since 1895 | Wettest on Record (Year) | $\begin{aligned} & \text { Driest on } \\ & \text { Record (Year) } \end{aligned}$ | Aug-21 <br> (inches) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Panhandle | 1.37 | -1.52 | 24th Driest | 5.81 (1917) | 0.54 (1936) | 1.40 |
| North Central | 0.51 | -2.93 | 3rd Driest | 8.10 (1974) | 0.14 (2000) | 1.81 |
| Northeast | 1.30 | -2.35 | 9th Driest | 8.86 (2019) | 0.03 (2000) | 1.58 |
| West Central | 2.28 | -0.90 | 60th Driest | 6.93 (2017) | 0.02 (2000) | 2.72 |
| Central | 2.01 | -1.34 | 41st Driest | 8.18 (1906) | 0.02 (2000) | 2.25 |
| East Central | 2.61 | -0.84 | 51st Driest | 10.88 (1915) | 0.02 (2000) | 3.29 |
| Southwest | 2.91 | 0.03 | 39th Wettest | 7.38 (1996) | 0.00 (2000) | 2.29 |
| South Central | 3.19 | 0.35 | 38th Wettest | 8.72 (1906) | 0.01 (2000) | 3.94 |
| Southeast | 3.51 | 0.21 | 52nd Wettest | 9.68 (1915) | 0.25 (1936) | 4.24 |
| Statewide | 2.13 | -1.10 | 40th Driest | 6.47 (1915) | 0.12 (2000) | 2.56 |

2022 STATEWIDE TEMPERATURE MONTHLY TOTALS VS. NORMAL


August 2022 Mesonet Temperature Comparison

| Climate Division | Average Temp (F) | Departure from Normal (F) | Rank since 1895 | Hottest on Record (Year) | Coldest on Record (Year) | Aug-21 (F) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Panhandle | 78.7 | 0.8 | 53rd Warmest | 83.7 (1937) | 71.4 (1915) | 78.9 |
| North Central | 81.7 | 1.1 | 47th Warmest | 88.2 (1936) | 72.9 (1915) | 81.8 |
| Northeast | 81.2 | 1.1 | 51st Warmest | 88.8 (1936) | 72.7 (1915) | 81.4 |
| West Central | 82.4 | 1.5 | 36th Warmest | 87.9 (2011) | 73.6 (1915) | 81.1 |
| Central | 82.3 | 0.9 | 48th Warmest | 88.7 (1936) | 74.1 (1915) | 81.7 |
| East Central | 81.1 | 0.3 | 6lst Warmest | 88.6 (1936) | 73.5 (1915) | 81.5 |
| Southwest | 84.1 | 1.4 | 31st Warmest | 91.4 (2011) | 76.1 (1915) | 82.2 |
| South Central | 83.3 | 0.8 | 47th Warmest | 90.8 (2011) | 76.1 (1992) | 81.8 |
| Southeust | 82.2 | 1.6 | 34th Warmest | 87.5 (2011) | 74.2 (1915) | 81.5 |
| Statewide | 81.9 | 1.1 | 46th Warmest | 87.7 (2011) | 73.9 (1915) | 81.3 |

MESONET EXTREMES FOR AUGUST 2022

| Climate Division | High <br> Temp <br> (F) | Day | Station | $\underset{\substack{\text { Temp } \\ \text { (F) }}}{\text { Low }}$ | Day | Station | High <br> Monthly <br> Rainfal <br> (inches) | Station | High Daily Rainfall (inches) | Day | Station |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Panhandle | 106 | 6th | Buffalo | 51 | 25th | Eva | 2.88 | Kenton | 2.03 | 16th | Kenton |
| North Central | 105 | 3rd | Cherokee | 57 | 24th | Seiling | 1.06 | Fairview | 0.61 | 28th | Newkirk |
| Northeast | 105 | 16th | Tulsa | 58 | 31st | Miami | 3.74 | Jay | 1.93 | 29th | Pawnee |
| West Central | 106 | 5th | Bessie | 57 | 24th | Camargo | 3.08 | Cheyenne | 2.45 | 21st | Butler |
| Central | 108 | 3rd | Kingfisher | 56 | 19th | El Reno | 5.62 | Yukon | 3.02 | 29th | Yukon |
| East Central | 106 | 16th | Hectorville | 60 | 25th | Okmulgee | 5.85 | Eufaula | 2.82 | 9th | Tahlequah |
| Southwest | 110 | 4th | Hollis | 58 | 19th | Mangum | 4.62 | Walters | 3.32 | 21st | Walters |
| South Central | 108 | 5th | Waurika | 61 | 19th | Fittstown | 8.88 | Waurika | 4.25 | 21st | Ringling |
| Southeast | 105 | 5th | Wilburton | 61 | 14th | Broken Bow | 5.67 | Mt Herman | 3.79 | 21st | Cloudy |
| Statewide | 110 | 4th | Hollis | 51 | 25th | Eva | 8.88 | Waurika | 4.25 | 21st | Ringling |

Oklahoma Climate Divisions


## U.S. Drought Monitor Oklahoma

## August 30, 2022

(Released Thursday, Sep. 1, 2022) Valid 8 a.m. EDT

|  | Drought Conditions (Percent Area) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
| Current | 0.02 | 99.98 | 98.98 | 88.22 | 47.13 | 2.19 |
| Last Week <br> 08-23-2022 | 0.02 | 99.98 | 98.64 | 89.68 | 48.60 | 2.19 |
| 3 Month Ago <br> 05-31-2022 | 51.02 | 48.98 | 42.58 | 34.82 | 17.16 | 2.93 |
| Start of <br> Calendar Year <br> 01-04-2022 | 5.02 | 94.98 | 88.14 | 72.26 | 40.44 | 0.00 |
| Start of <br> Water Year <br> 09-28-2021 | 6.45 | 93.55 | 73.23 | 23.72 | 2.65 | 0.00 |
| One Year Ago <br> 08-31-2021 | 81.57 | 18.43 | 6.61 | 0.72 | 0.00 | 0.00 |

Intensity:

| $\square$ None | $\square$ D2 Severe Drought |  |
| :--- | :--- | :--- |
| $\square$ D0 Abnormally Dry | $\square$ | D3 Extreme Drought |
| $\square$ | D1 Moderate Drought | $\square$ |

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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## 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: hitp://aa.usno.navy.mil/data

## SEVERE STORM REPORTS

Storm Prediction Center: hitp://spc.noca.gov/limo/

## National Centers for Environmental Information:

https://www.ncedc.noca.gov/stormevents/

## SEASONAL OUTLOOKS

Climate Prediction Center:
hitp://www.cpc.ncep.nooa.gov/products/OUTLOOKS index.shtml

CLIMATE CALENDARS AND OTHER LOCAL WEATHER AND CLIMATE INFORMATION Oklahoma Climatological Survey:
hitp://climate.mesonet.orgor hitp://climate.ok.gov/

Oklahoma Climatological Survey is the State Climate Office for Oklahoma

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