# OKLAHOMA
# MONTHLY SUMMARY
# JULY 1992

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## MONTHLY SUMMARY FOR JULY 1992

July 1992 was generally wet across Oklahoma with below normal temperatures and unsettled weather conditions unusual for mid-summer. Statewide averaged precipitation for the month totaled 4.28 inches, exceeding the 30-year normal for the month by 1.66 inches.

Most areas of the state received plenty of rainfall during the month, but several stations in the northwest, notably Buffalo, Fargo and Gage reported totals that were about half of their normal July precipitation amounts. Precipitation for the state during the first seven months of 1992 has averaged 23.73 inches, 3.41 inches above normal.

Despite 14 different days with at least one reported maximum temperature exceeding 100, the 80.2 degree average temperature for the month was 1.9 degrees below normal. The year-to-date average temperature for the state is 60.8 degrees, which is one degree above normal.

A cold front moved through the state on the 2nd, bringing significant cooling to the northwest. A tornado spawned by thunderstorms associated with the front struck Collinsville, destroying seven homes and severely damaging 10 others. Another tornado touched down briefly near Oologah. Substantial wind damage was reported elsewhere in the eastern half of the state. Periods of locally heavy rain continued in eastern Oklahoma through the 5th.

High temperatures reached 100 in parts of western Oklahoma on the 5th through the 9th. Buffalo reported the state's highest temperature for the month on the 7th with a reading of 108. Guymon reported 107 degrees that same day.

A progression of disturbances, culminating in a cold front which moved through the state on the 15th and 16th, produced daily episodes of thunderstorms, many producing locally heavy rains, local flooding, large hail and damaging winds. Daily precipitation amounts in excess of three inches were reported at Elmore City (3.13 inches reported on the morning of the 13th), Apache (3.27 inches reported on the 14th), Caney (3.50 inches reported on the morning of the 15th). Daily precipitation exceeding three inches was reported on the morning of the 17th at Durant (3.74 inches), Tuskahoma (3.11 inches) and Allen (3.05 inches). Hail "the size of silver dollars" was reported in Choctaw County on the 14th.

Strong thunderstorms on the 15th toppled some large trees and led to flash flooding along creeks in the Chickasaw National Recreation Area near Sulphur. Officials in Miami reported flooding along the Neosho River, associated somewhat with heavy rains upstream in Kansas and Missouri.

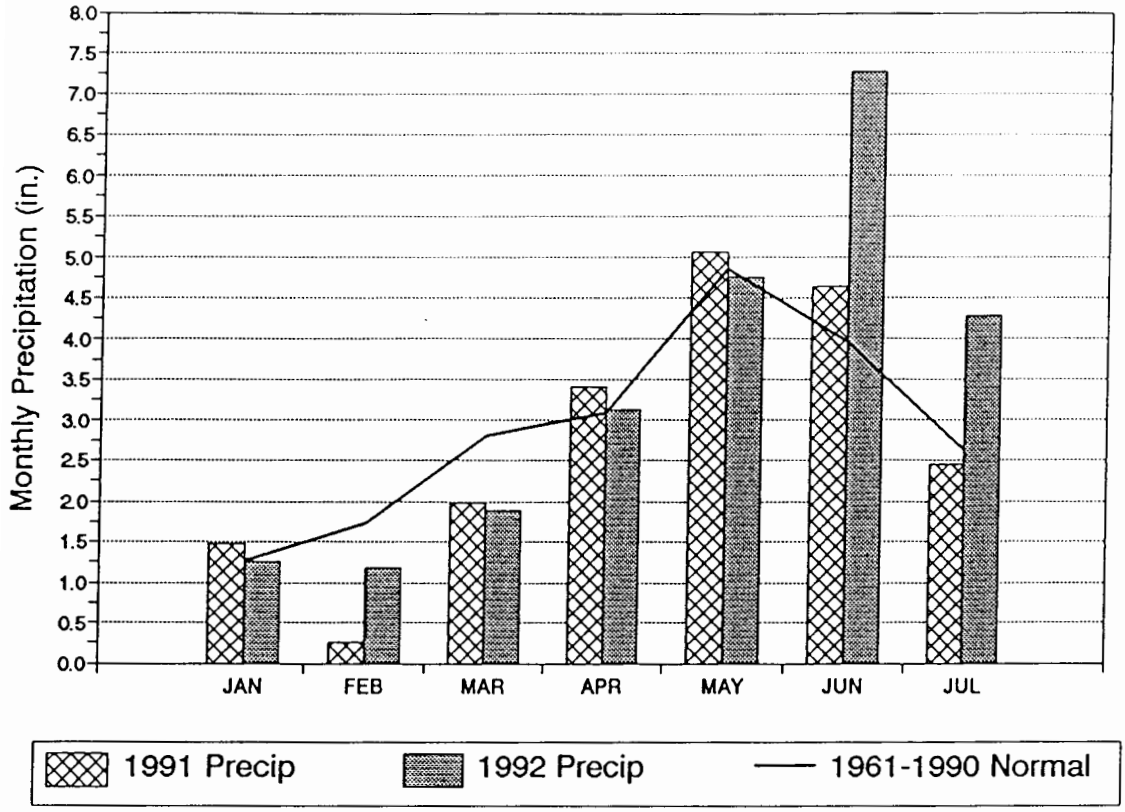
High temperatures on the 16th were in the 70s in many areas of the state. Lows in the upper 50s were reported on the 17th, 18th and 19th. Relatively mild weather persisted through the next week producing high temperatures in the upper 80s to low 90s. Unsettled weather continued, however, as thunderstorms occurred on a daily (or nightly) basis in many areas across the state. A thunderstorm in Pryor on the 20th damaged several structures and caused some street flooding.

Temperatures reached into triple digits in parts of western Oklahoma on the 25th and 26th. A cold front with significant upper-level support entered northwestern Oklahoma early on the 26th and crossed the state over the next two days, producing locally heavy rains and some large hail and strong winds, most notably in central and eastern Oklahoma. Precipitation reports received on the morning of the 26th included 5.1 inches at Stigler (media report), 4.44 inches at Seminole, 4.2 inches at Tuskahoma and 4.04 inches at Eufaula.

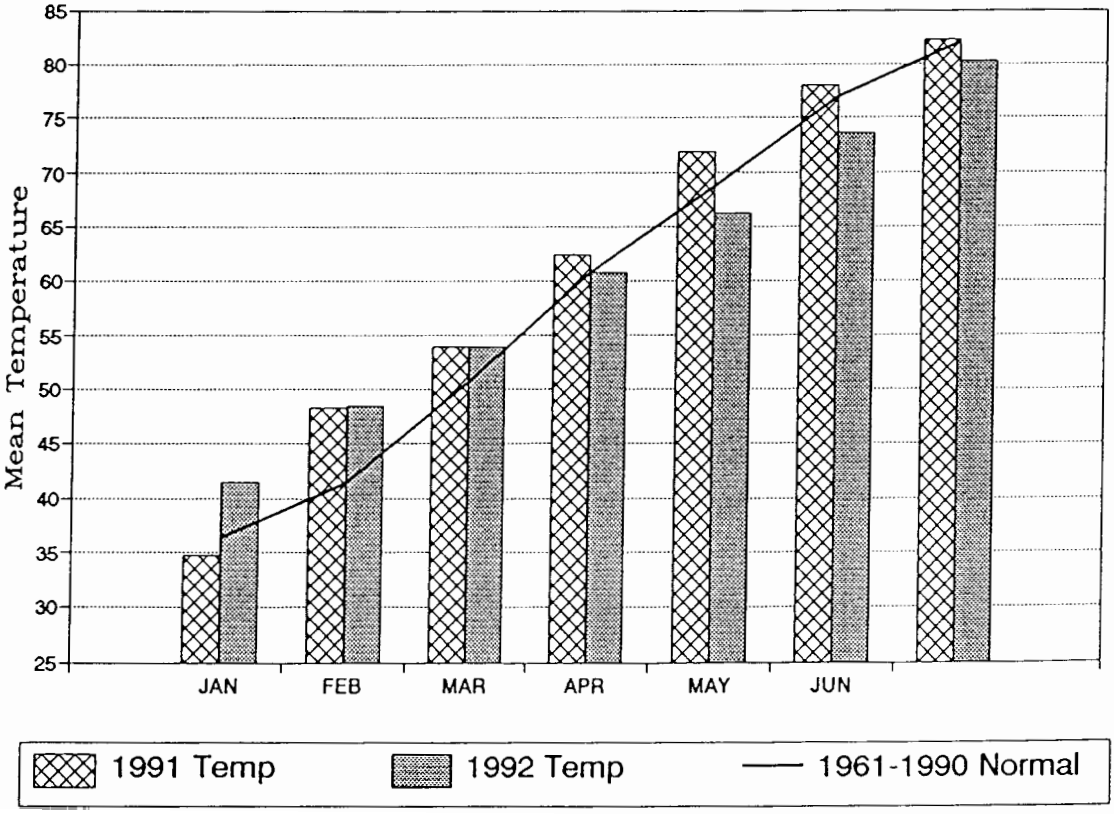
Stormy weather continued for the remainder of the month. An unusually strong mid-summer cold front entered the state on the 30th, leading to another round of strong thunderstorms. A tornado was reported one mile east of Jay. Large hail and wind damage were reported in southwestern, central and northeastern portions of the state. Several stations reported precipitation in excess of two inches for the 24-hours ending on the morning of the 31st, led by 3.92 inches at Broken Bow.

Howard L. Johnson

1991 and 1992 STATEWIDE PRECIPITATION
January Through July Monthly Totals

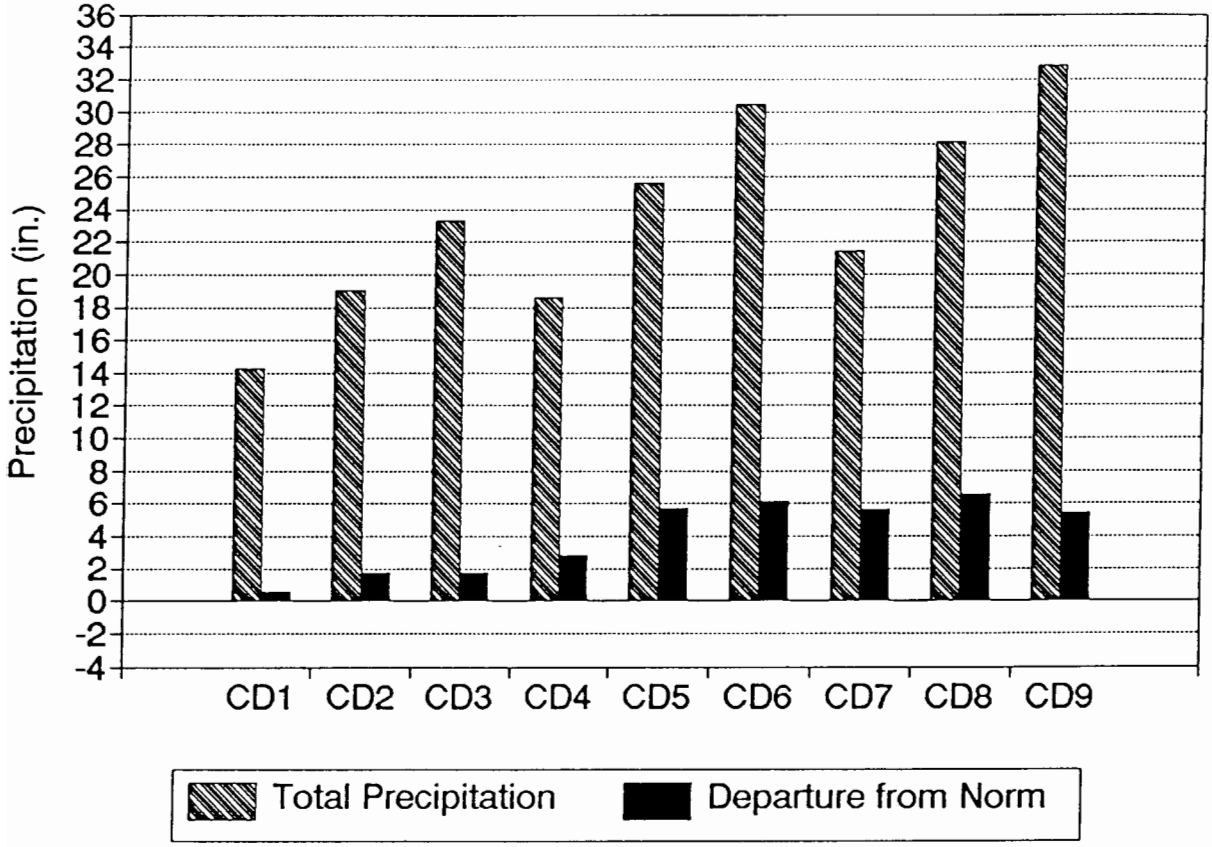



1991 and 1992 STATEWIDE TEMPERATURES
January Through July Monthly Averages

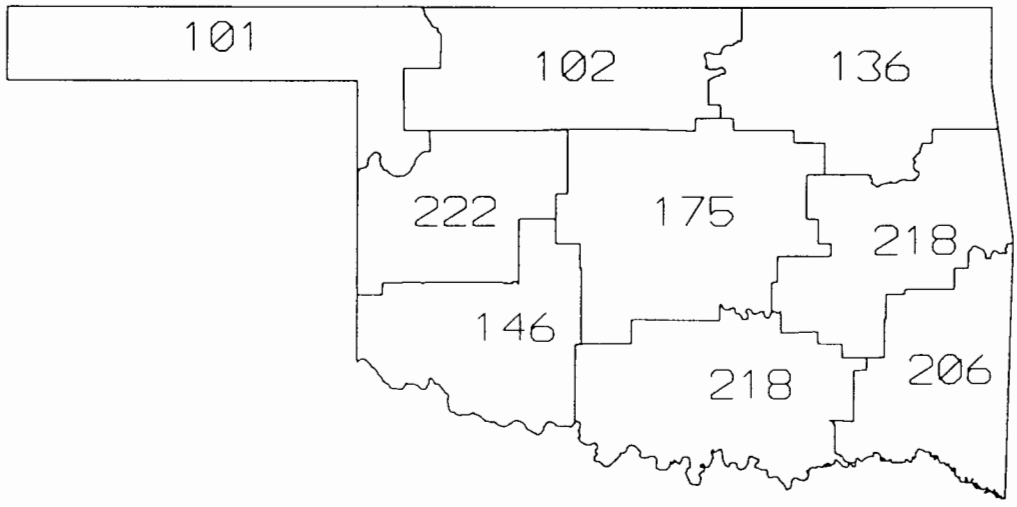


# CD Averaged Precipitation

## January Through July 1992




**JULY 1992 CLIMATE DIVISION PERCENT OF NORMAL PRECIPITATION**



EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION
JULY, 1992

| CD | MAX TEMP | DATE | LOCATION | MIN TEMP | DATE | LOCATION | 24-HOUR PRECIP | DATE | LOCATION | MONTHLY PRECIP | LOCATION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 108 | 7 | BUFFALO | 54 | 3 | GAGE | 2.04 | 14 | GUYMON | 6.41 | GUYMON |
| | | | | 54 | 31 | GAGE | | | | | |
| | | | | 54 | 3 | GUYMON | | | | | |
| 2 | 105 | 2 | CHEROKEE | 53 | 3 | FREEDOM | 2.26 | 16 | RED ROCK | 5.03 | MEDFORD |
| 3 | 96 | 25 | JAY TOWER | 59 | 29 | PAWHUSKA | 2.50 | 5 | PRYOR | 7.27 | KANSAS |
| | 96 | 26 | JAY TOWER | 59 | 19 | VINITA | | | | | |
| | 96 | 27 | JAY TOWER | | | | | | | | |
| 4 | 103 | 1 | TALOGA | 58 | 31 | HAMMON | 3.60 | 27 | ERICK | 7.16 | CORDELL |
| | | | | 58 | 31 | TALOGA | | | | | |
| 5 | 100 | 6 | HENNESSEY | 57 | 31 | HENNESSEY | 4.44 | 27 | SEMINOLE | 8.75 | WEWOKA |
| | 100 | 7 | HENNESSEY | | | | | | | | |
| 6 | 97 | 26 | MCCURTAIN | 61 | 17 | OKMULGEE | 4.04 | 27 | EUFAULA | 9.13 | STILWELL |
| 7 | 106 | 26 | HOLLIS | 59 | 18 | WICHITA MT WLR | 3.27 | 14 | APACHE | 6.87 | APACHE |
| | 106 | 26 | WALTERS | 59 | 19 | WICHITA MT WLR | | | | | |
| 8 | 99 | 15 | WAURIKA DAM | 55 | 4 | TISHOMINGO | 3.74 | 17 | DURANT | 8.71 | DURANT |
| | | | | 55 | 12 | WAURIKA | | | | | |
| 9 | 95 | 26 | BOSWELL | 61 | 14 | HUGO | 4.20 | 27 | TUSKAHOMA | 8.64 | TUSKAHOMA |

## TABLE OF 1991/1992 COMPARISONS

| Station | July Temperature (F) 1991 | 1992 | July Precipitation (in.) 1991 | 1992 |
|---|---|---|---|---|
| Arnett | 78.8 | 76.3 | 2.14 | 1.58 |
| Enid | 82.7 | 80.0 | 1.69 | 3.41 |
| Mutual | 82.5 | 78.9 | .99 | 2.38 |
| Tulsa | 85.0 | 82.1 | .35 | 1.79 |
| Elk City | 81.9 | 79.9 | 1.48 | 5.81 |
| Oklahoma City | 82.3 | 81.1 | 1.98 | 4.01 |
| McAlester | 81.8 | 81.4 | 4.33 | 6.45 |
| Altus Irr Sta | 83.7 | 82.1 | 1.74 | 1.71 |
| Durant | 81.8 | 80.1 | 1.79 | 8.71 |
| Ada | 80.6 | 79.7 | 4.52 | 6.21 |
| Antlers | 81.3 | 79.8 | 3.08 | 7.51 |

## EXTREMES

| Variable | Station | Division | Observation | Date |
|---|---|---|---|---|
| Minimum temperature (F) | Boise City | 1 | 52 | 3 |
| Maximum temperature (F) | Optima Lake | 1 | 109 | 8 |
| Maximum 24-hour precipitation | Seminole | 5 | 4.44" | 27 |

## JULY 1992 SUMMARY FOR NORTHWEST DIVISION (CD1)

| NAME | ID | CD | MEAN TEMP | NUM OBS | DEV FROM NORM | MAX TEMP | DAY | MIN TEMP | DAY | HEAT DEG DAY | DEV FROM NORM | COOL DEG DAY | DEV FROM NORM | TOT PPT | NUM OBS | DEV FROM NORM | MAX 24-HR | DAY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ARNETT | 332 | 1 | 76.3 | 31 | -4.1 | 99. | 2 | 55. | 4 | .0 | .0 | 349.5 | -127.5 | 1.582 | 31 | -.31 | 1.07 | 16 |
| BEAVER | 593 | 1 | 77.6 | 31 | -3.1 | 106. | 8 | 55. | 3 | 1.5 | 1.5 | 391.0 | -96.0 | 2.731 | 31 | -.13 | .98 | 14 |
| BOISE CITY 2 E | 908 | 1 | 76.1 | 31 | -1.8 | 104. | 7 | 52. | 3 | .0 | .0 | 344.5 | -55.5 | 2.301 | 31 | -.45 | .38 | 21 |
| BUFFALO | 1243 | 1 | 82.5 | 31 | -.7 | 108. | 7 | 55. | 3 | .0 | .0 | 541.5 | -22.5 | 1.500 | 31 | -1.49 | .80 | 13 |
| FARGO | 3070 | 1 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.023 | 31 | -1.02 | .66 | 16 |
| GAGE FAA APT | 3407 | 1 | 79.3 | 31 | -2.6 | 101. | 7 | 54. | 31 | .0 | .0 | 444.0 | -80.0 | .953 | 31 | -.92 | .87 | 16 |
| GATE | 3489 | 1 | 79.8 | 31 | -2.0 | 108. | 8 | 58. | 3 | .0 | .0 | 460.0 | -61.0 | 1.921 | 31 | -.51 | .68 | 16 |
| GOODWELL RES ST | 3628 | 1 | 76.2 | 31 | -2.3 | 106. | 8 | 55. | 18 | .0 | .0 | 348.0 | -71.0 | 3.964 | 31 | 1.44 | 1.13 | 18 |
| GUYMON | 3835 | 1 | 77.3 | 28 | ***** | 107. | 7 | 54. | 3 | .0 | ****** | 344.0 | ****** | 6.410 | 30 | ***** | 2.04 | 14 |
| HOOKER | 4298 | 1 | 77.3 | 31 | -2.7 | 108. | 8 | 54. | 3 | .0 | .0 | 380.5 | -84.5 | 3.620 | 31 | 1.33 | 1.23 | 16 |
| KENTON | 4766 | 1 | 74.8 | 31 | -2.7 | 104. | 7 | 55. | 20 | .0 | .0 | 303.0 | -85.0 | 2.330 | 30 | ***** | 1.01 | 12 |
| LAVERNE | 5045 | 1 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.223 | 31 | -.31 | 1.33 | 16 |
| OPTIMA LAKE | 6740 | 1 | 78.3 | 31 | ***** | 109. | 8 | 55. | 3 | .0 | ****** | 412.5 | ****** | 6.250 | 31 | ***** | 1.68 | 11 |
| REGNIER | 7534 | 1 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.193 | 31 | .85 | 1.32 | 21 |
| TURPIN 4 SSE | 9017 | 1 | 77.1 | 31 | ***** | 107. | 8 | 54. | 4 | .0 | ****** | 376.5 | ****** | 3.630 | 29 | ***** | 1.15 | 14 |

## JULY 1992 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

| NAME | ID | CD | MEAN TEMP | NUM OBS | DEV FROM NORM | MAX TEMP | DAY | MIN TEMP | DAY | HEAT DEG DAY | DEV FROM NORM | COOL DEG DAY | DEV FROM NORM | TOT PPT | NUM OBS | DEV FROM NORM | MAX 24-HR | DAY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALVA | 193 | 2 | 82.0 | 31 | ***** | 102. | 7 | 56. | 3 | .0 | ****** | 525.5 | ****** | 3.030 | 31 | ***** | 1.65 | 14 |
| VANCE AFB | 302 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.171 | 31 | ***** | 1.56 | 16 |
| BILLINGS | 755 | 2 | 80.2 | 31 | -3.1 | 98. | 8 | 59. | 31 | .0 | .0 | 470.5 | -96.5 | 2.580 | 31 | -.55 | 1.35 | 14 |
| BLACKWELL 2E | 818 | 2 | 80.9 | 31 | -1.7 | 99. | 7 | 59. | 3 | .0 | .0 | 493.5 | -52.5 | 2.403 | 31 | -.74 | 1.15 | 16 |
| CEDARDALE | 1620 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.745 | 31 | ***** | 1.67 | 14 |
| CHEROKEE | 1724 | 2 | 83.0 | 30 | -1.1 | 105. | 2 | 59. | 3 | .0 | .0 | 541.0 | -51.0 | 3.551 | 31 | .81 | 1.50 | 11 |
| ENID | 2912 | 2 | 80.2 | 30 | -3.1 | 98. | 7 | 60. | 17 | .0 | .0 | 455.0 | -112.0 | 3.410 | 31 | .65 | 1.32 | 16 |
| FT SUPPLY DAM | 3304 | 2 | 78.2 | 31 | -2.5 | 99. | 8 | 56. | 3 | .0 | .0 | 409.0 | -78.0 | 2.444 | 31 | .25 | 1.58 | 14 |
| FREEDOM | 3358 | 2 | 79.2 | 31 | -3.8 | 103. | 8 | 53. | 3 | .0 | .0 | 439.0 | -119.0 | 2.784 | 31 | .42 | 1.28 | 14 |
| GREAT SALT PLNS | 3740 | 2 | 81.0 | 31 | -2.0 | 101. | 8 | 58. | 3 | .0 | .0 | 496.0 | -62.0 | 1.730 | 31 | -.96 | .74 | 16 |
| HARDY | 3909 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.590 | 29 | ***** | 1.33 | 15 |
| HELENA 1 SSE | 4019 | 2 | 80.5 | 31 | -1.4 | 101. | 2 | 60. | 3 | .0 | .0 | 480.5 | -43.5 | 1.582 | 31 | -1.04 | 1.04 | 16 |
| JEFFERSON | 4573 | 2 | 81.7 | 31 | -1.8 | 101. | 7 | 58. | 3 | .0 | .0 | 517.5 | -56.5 | 3.470 | 31 | .14 | 1.15 | 31 |
| LAMONT | 5013 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.730 | 31 | ***** | 2.03 | 16 |
| MEDFORD | 5768 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.031 | 31 | ***** | 1.20 | 31 |
| MUTUAL | 6139 | 2 | 78.9 | 31 | -2.9 | 104. | 2 | 57. | 31 | .0 | .0 | 432.0 | -89.0 | 2.380 | 31 | .03 | 1.36 | 14 |
| NEWKIRK | 6278 | 2 | 80.4 | 31 | -2.1 | 97. | 8 | 59. | 3 | .0 | .0 | 477.5 | -65.5 | 2.712 | 31 | -.57 | 1.33 | 16 |
| ORIENTA | 6751 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.730 | 31 | -.87 | .82 | 16 |
| PERRY | 7012 | 2 | 82.0 | 30 | -.7 | 97. | 8 | 62. | 17 | .0 | .0 | 511.0 | -38.0 | 3.040 | 31 | -.05 | 1.72 | 16 |
| PONCA CITY FAA | 7201 | 2 | 82.3 | 31 | -.2 | 99. | 10 | 61. | 17 | .0 | .0 | 535.5 | -7.5 | 2.343 | 31 | -1.36 | 1.19 | 14 |
| RED ROCK 1 NNE | 7505 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.620 | 31 | 1.73 | 2.26 | 16 |
| WAYNOKA | 9404 | 2 | 80.6 | 31 | -2.6 | 102. | 1 | 56. | 3 | .0 | .0 | 483.5 | -80.5 | 2.230 | 31 | -.20 | 1.28 | 16 |
| WOODWARD | 9760 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.473 | 31 | -1.12 | .81 | 16 |

## JULY 1992 SUMMARY FOR NORTHEAST DIVISION (CD3)

| NAME | ID | CD | MEAN TEMP | NUM OBS | DEV FROM NORM | MAX TEMP | DAY | MIN TEMP | DAY | HEAT DEG DAY | DEV FROM NORM | COOL DEG DAY | DEV FROM NORM | TOT PPT | NUM OBS | DEV FROM NORM | MAX 24-HR | DAY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BARNSDALL | 535 | 3 | 79.5 | 31 | -2.7 | 93. | 8 | 60. | 29 | .0 | .0 | 449.0 | -84.0 | 3.300 | 27 | ***** | 2.10 | 17 |
| BARTLESVILLE 2W | 548 | 3 | 80.3 | 31 | -1.8 | 95. | 8 | 59. | 29 | .0 | .0 | 473.5 | -56.5 | 3.084 | 31 | .48 | .83 | 16 |
| BIXBY | 782 | 3 | 79.6 | 31 | -1.4 | 94. | 7 | 61. | 18 | .0 | .0 | 453.5 | -42.5 | 2.430 | 31 | -.44 | .80 | 21 |
| BURBANK | 1256 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.420 | 31 | 2.18 | 2.06 | 13 |
| CHELSEA 4 S | 1717 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.370 | 31 | ***** | 1.98 | 21 |
| CLAREMORE | 1828 | 3 | 79.2 | 31 | -2.0 | 92. | 26 | 63. | 17 | .0 | .0 | 440.0 | -62.0 | 4.220 | 31 | 1.25 | 1.24 | 5 |
| CLEVELAND 5 WSW | 1902 | 3 | 80.9 | 30 | ***** | 94. | 25 | 61. | 17 | .0 | ****** | 478.5 | ****** | 4.280 | 31 | ***** | 1.96 | 14 |
| FORAKER | 3250 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.481 | 31 | 1.41 | 1.55 | 16 |
| HOLLOW | 4258 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.210 | 31 | 4.05 | 2.51 | 11 |
| HOMINY | 4289 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.880 | 31 | .81 | 1.68 | 14 |
| HULAH DAM | 4393 | 3 | 78.9 | 22 | ***** | 93. | 27 | 60. | 29 | .0 | ****** | 306.0 | ****** | 3.380 | 26 | ***** | 1.10 | 14 |
| JAY TOWER | 4567 | 3 | 81.3 | 18 | ***** | 96. | 27 | 64. | 19 | .0 | ****** | 293.5 | ****** | 2.200 | 18 | ***** | 1.20 | 5 |
| KANSAS 1 ESE | 4672 | 3 | 77.3 | 31 | -2.6 | 89. | 26 | 60. | 31 | .0 | .0 | 382.5 | -79.5 | 7.273 | 31 | 4.66 | 2.15 | 31 |
| KEYSTONE DAM | 4812 | 3 | 78.9 | 27 | ***** | 94. | 26 | 62. | 28 | .0 | ****** | 375.5 | ****** | 2.080 | 29 | ***** | .69 | 17 |
| LENAPAH | 5118 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.410 | 31 | ***** | 1.50 | 5 |
| MANNFORD 6 NW | 5522 | 3 | 80.1 | 31 | -1.9 | 93. | 8 | 60. | 18 | .0 | .0 | 468.0 | -59.0 | 3.500 | 31 | .73 | 1.82 | 14 |
| MARAMEC | 5540 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.060 | 31 | .27 | 1.46 | 14 |
| MIAMI | 5855 | 3 | 77.2 | 31 | -2.9 | 90. | 6 | 61. | 28 | .0 | .0 | 377.0 | -91.0 | 5.290 | 31 | 1.76 | 1.30 | 5 |
| NOWATA | 6485 | 3 | 78.8 | 31 | -3.1 | 96. | 24 | 61. | 17 | .0 | .0 | 428.0 | -96.0 | 4.481 | 31 | 1.65 | 1.53 | 5 |
| ONETA 1 WNW | 6713 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.330 | 31 | ***** | 1.52 | 21 |
| PAWHUSKA | 6935 | 3 | 79.7 | 31 | -1.9 | 93. | 25 | 59. | 29 | .0 | .0 | 455.5 | -59.5 | 3.031 | 31 | -.15 | 1.48 | 14 |
| PAWNEE | 6940 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.720 | 31 | 2.99 | 1.92 | 21 |
| PRYOR 6 N | 7309 | 3 | 77.6 | 31 | -3.1 | 91. | 31 | 62. | 27 | .0 | .0 | 392.0 | -95.0 | 5.834 | 31 | 3.08 | 2.50 | 5 |
| RALSTON | 7390 | 3 | 80.5 | 31 | -1.4 | 95. | 15 | 60. | 20 | .0 | .0 | 479.5 | -44.5 | 3.701 | 31 | .76 | 1.52 | 14 |
| RAMONA 4 N | 7394 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.772 | 31 | ***** | .69 | 14 |
| SKIATOOK | 8258 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.280 | 31 | -.86 | 1.25 | 14 |
| SPAVINAW | 8380 | 3 | 80.3 | 31 | -1.7 | 91. | 26 | 63. | 17 | .0 | .0 | 473.0 | -54.0 | 5.341 | 31 | 2.32 | 2.17 | 5 |
| TULSA WSO APT | 8992 | 3 | 82.2 | 31 | -1.1 | 95. | 24 | 64. | 17 | .0 | .0 | 534.0 | -33.0 | 1.794 | 31 | -1.30 | .99 | 16 |
| UPPER SPAVINAW | 9101 | 3 | 82.2 | 31 | ***** | 97. | 10 | 66. | 28 | .0 | ****** | 534.5 | ****** | 6.100 | 31 | ***** | 2.20 | 5 |
| VINITA 2 N | 9203 | 3 | 79.0 | 29 | ***** | 92. | 25 | 59. | 19 | .0 | ****** | 406.5 | ****** | 2.682 | 31 | -.28 | 1.43 | 5 |
| WAGONER | 9247 | 3 | 80.1 | 31 | -1.8 | 95. | 26 | 64. | 28 | .0 | .0 | 469.5 | -54.5 | 4.271 | 31 | 1.44 | 1.33 | 31 |
| WANN | 9298 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.830 | 31 | ***** | 1.54 | 11 |
| WYNONA | 9792 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.342 | 31 | ***** | 1.27 | 16 |

## JULY 1992 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

| NAME | ID | CD | MEAN TEMP | NUM OBS | DEV FROM NORM | MAX TEMP | DAY | MIN TEMP | DAY | HEAT DEG DAY | DEV FROM NORM | COOL DEG DAY | DEV FROM NORM | TOT PPT | NUM OBS | DEV FROM NORM | MAX 24-HR | DAY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CANTON DAM | 1445 | 4 | 79.2 | 31 | -2.9 | 99. | 2 | 60. | 31 | .0 | .0 | 439.5 | -90.5 | 1.830 | 31 | -.52 | .90 | 16 |
| CHEYENNE | 1738 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.560 | 31 | 1.83 | 2.80 | 16 |
| CLINTON | 1909 | 4 | 81.5 | 31 | -2.3 | 102. | 6 | 60. | 17 | .0 | .0 | 510.5 | -72.5 | 5.881 | 31 | 3.79 | 2.88 | 10 |
| COLONY | 2039 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.430 | 31 | ***** | 1.65 | 21 |
| CORDELL | 2125 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.162 | 31 | 5.23 | 2.85 | 14 |
| ELK CITY 1 E | 2849 | 4 | 79.9 | 31 | -2.0 | 100. | 1 | 62. | 17 | .0 | .0 | 462.5 | -61.5 | 5.810 | 31 | 3.92 | 2.55 | 14 |
| ERICK 4 E | 2944 | 4 | 79.3 | 31 | -2.4 | 101. | 1 | 61. | 17 | .0 | .0 | 444.0 | -74.0 | 6.081 | 31 | 4.39 | 3.60 | 27 |
| GEARY | 3497 | 4 | 79.8 | 30 | -2.4 | 96. | 7 | 63. | 17 | .0 | .0 | 444.5 | -88.5 | 3.120 | 31 | 1.06 | 2.40 | 21 |
| HAMMON 1 NNE | 3871 | 4 | 78.2 | 27 | ***** | 101. | 2 | 58. | 31 | .0 | ****** | 356.5 | ****** | 4.420 | 31 | 2.43 | 2.23 | 16 |
| LEEDEY | 5090 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.090 | 31 | 2.31 | 2.32 | 14 |
| MACKIE 4 NNW | 5463 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.510 | 31 | ***** | 1.17 | 16 |
| MORAVIA 2 NNE | 6035 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.211 | 31 | 2.45 | 2.00 | 27 |
| OKEENE | 6629 | 4 | 81.2 | 31 | -2.3 | 100. | 6 | 60. | 4 | .0 | .0 | 502.5 | -71.5 | 3.440 | 31 | 1.08 | 1.34 | 11 |
| RETROP | 7565 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.720 | 31 | ***** | 2.80 | 27 |
| REYDON | 7579 | 4 | 80.3 | 30 | -.3 | 101. | 1 | 59. | 31 | .0 | .0 | 460.0 | -24.0 | 2.270 | 30 | ***** | 1.24 | 16 |
| SAYRE | 7952 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.191 | 31 | 2.52 | 1.61 | 14 |
| SWEETWATER 2 E | 8652 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.730 | 31 | ***** | 2.43 | 13 |
| TALOGA | 8708 | 4 | 79.9 | 31 | -2.1 | 103. | 1 | 58. | 31 | .0 | .0 | 463.0 | -64.0 | 4.470 | 31 | 2.24 | 1.85 | 14 |
| THOMAS | 8815 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.300 | 31 | ***** | 1.22 | 16 |
| VICI | 9172 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.920 | 31 | .76 | 1.95 | 14 |
| WATONGA | 9364 | 4 | 80.8 | 31 | -1.6 | 98. | 7 | 61. | 31 | .0 | .0 | 488.5 | -50.5 | 3.461 | 31 | 1.19 | 1.08 | 16 |
| WEATHERFORD | 9422 | 4 | 80.2 | 31 | -1.9 | 100. | 2 | 62. | 31 | .0 | .0 | 470.0 | -60.0 | 4.460 | 31 | 2.36 | 2.16 | 21 |

## JULY 1992 SUMMARY FOR CENTRAL DIVISION (CD5)

| NAME | ID | CD | MEAN TEMP | NUM OBS | DEV FROM NORM | MAX TEMP | DAY | MIN TEMP | DAY | HEAT DEG DAY | DEV FROM NORM | COOL DEG DAY | DEV FROM NORM | TOT PPT | NUM OBS | DEV FROM NORM | MAX 24-HR | DAY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AMBER | 200 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.590 | 31 | ***** | 1.83 | 27 |
| ARCADIA | 288 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.870 | 31 | ***** | 1.33 | 16 |
| TINKER AFB | 325 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.481 | 31 | ***** | 1.40 | 16 |
| BLANCHARD 2 SSW | 830 | 5 | 80.0 | 31 | -2.6 | 96. | 26 | 60. | 17 | .0 | .0 | 466.0 | -80.0 | 7.580 | 31 | 5.01 | 2.33 | 27 |
| BRISTOW | 1144 | 5 | 80.3 | 31 | -1.7 | 94. | 26 | 61. | 29 | .0 | .0 | 475.0 | -52.0 | 2.950 | 31 | .21 | 1.51 | 17 |
| CHANDLER | 1684 | 5 | 81.0 | 25 | ***** | 96. | 2 | 64. | 31 | .0 | ****** | 401.0 | ****** | 3.430 | 31 | .72 | 1.22 | 21 |
| CHICKASHA EX ST | 1750 | 5 | 81.4 | 31 | -1.5 | 97. | 26 | 62. | 17 | .0 | .0 | 508.0 | -47.0 | 4.250 | 31 | 2.16 | 1.56 | 14 |
| COX CITY 1 E | 2196 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.020 | 31 | ***** | .46 | 31 |
| CRESCENT | 2242 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.640 | 31 | ***** | 1.62 | 14 |
| CUSHING | 2318 | 5 | 79.3 | 30 | -2.6 | 95. | 3 | 63. | 20 | .0 | .0 | 430.0 | -94.0 | 3.060 | 31 | -.06 | 1.21 | 14 |
| EL RENO 1 N | 2818 | 5 | 81.1 | 31 | -1.2 | 96. | 7 | 62. | 18 | .0 | .0 | 500.0 | -36.0 | 2.510 | 31 | .23 | 1.37 | 14 |
| GUTHRIE | 3821 | 5 | 82.7 | 31 | -.6 | 97. | 10 | 62. | 17 | .0 | .0 | 549.5 | -17.5 | 3.451 | 31 | 1.12 | 1.39 | 16 |
| HENNESSEY 2 SE | 4055 | 5 | 81.3 | 31 | -2.0 | 100. | 7 | 57. | 31 | .0 | .0 | 506.0 | -61.0 | 2.570 | 31 | .02 | 1.21 | 14 |
| INGALLS | 4489 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.021 | 31 | ***** | 1.26 | 14 |
| KINGFISHER 2 SE | 4861 | 5 | 80.9 | 31 | -2.5 | 98. | 7 | 61. | 31 | .0 | .0 | 493.5 | -76.5 | 3.341 | 31 | 1.29 | 1.17 | 14 |
| KONAWA | 4915 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.900 | 31 | 5.88 | 2.90 | 16 |
| MARSHALL | 5589 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.080 | 31 | .81 | 1.98 | 16 |
| MEEKER 4 W | 5779 | 5 | 79.6 | 30 | -2.3 | 94. | 2 | 60. | 17 | .0 | .0 | 436.5 | -87.5 | 3.720 | 30 | ***** | .92 | 13 |
| MULHALL | 6110 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.470 | 31 | ***** | 1.40 | 14 |
| NORMAN 3 S | 6386 | 5 | 80.8 | 30 | -1.4 | 99. | 26 | 59. | 17 | .0 | .0 | 475.0 | -58.0 | 6.471 | 31 | 3.71 | 3.27 | 27 |
| OILTON 2 SE | 6616 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.330 | 31 | ***** | 1.97 | 13 |
| OKEMAH | 6638 | 5 | 80.7 | 31 | -.9 | 95. | 26 | 63. | 17 | .0 | .0 | 487.5 | -27.5 | 8.100 | 31 | 4.94 | 2.21 | 21 |
| OKLAHOMA CTY WS | 6661 | 5 | 81.1 | 31 | -.9 | 98. | 2 | 63. | 17 | .0 | .0 | 500.0 | -27.0 | 4.011 | 31 | 1.40 | 1.29 | 14 |
| PERKINS | 7003 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.740 | 31 | .08 | 1.28 | 16 |
| PIEDMONT | 7068 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.580 | 31 | ***** | 1.16 | 14 |
| PRAGUE | 7264 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.300 | 30 | ***** | 1.67 | 27 |
| PURCELL 5 SW | 7327 | 5 | 80.4 | 31 | -2.4 | 97. | 26 | 61. | 17 | .0 | .0 | 477.0 | -75.0 | 4.572 | 31 | 1.81 | 2.00 | 27 |
| SEMINOLE | 8042 | 5 | 81.9 | 31 | -1.5 | 97. | 27 | 62. | 17 | .0 | .0 | 523.5 | -46.5 | 7.330 | 31 | 4.81 | 4.44 | 27 |
| SHAWNEE | 8110 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.880 | 31 | 1.71 | 1.42 | 27 |
| STELLA | 8479 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.900 | 31 | ***** | 2.82 | 27 |
| STILLWATER 2 W | 8501 | 5 | 80.6 | 31 | -1.0 | 95. | 8 | 60. | 31 | .0 | .0 | 483.5 | -31.5 | 2.350 | 31 | -.55 | 1.17 | 14 |
| STROUD 1 N | 8563 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.950 | 31 | ***** | 1.05 | 17 |
| TECUMSEH | 8751 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.011 | 31 | ***** | 2.00 | 27 |
| TROUSDALE | 8960 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.190 | 31 | ***** | 2.60 | 26 |
| UNION CITY 1 SE | 9086 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.251 | 29 | ***** | 2.37 | 14 |
| WELTY 1 SSE | 9479 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.380 | 31 | ***** | 1.70 | 27 |
| WEWOKA | 9575 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 8.750 | 31 | 6.38 | 3.55 | 27 |

## JULY 1992 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

| NAME | ID | CD | MEAN TEMP | NUM OBS | DEV FROM NORM | MAX TEMP | DAY | MIN TEMP | DAY | HEAT DEG DAY | DEV FROM NORM | COOL DEG DAY | DEV FROM NORM | TOT PPT | NUM OBS | DEV FROM NORM | MAX 24-HR | DAY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ASHLAND | 364 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 8.521 | 31 | ***** | 2.61 | 27 |
| BEGGS | 631 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.900 | 31 | ***** | 2.46 | 21 |
| BOYNTON | 1027 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.020 | 22 | ***** | 2.60 | 27 |
| CALVIN | 1391 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.841 | 31 | 3.77 | 2.90 | 17 |
| CHECOTAH | 1711 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.452 | 31 | 1.41 | 2.40 | 27 |
| CLAYTON 15 WNW | 1858 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 8.530 | 31 | ***** | 3.42 | 27 |
| DEWAR 2 NE | 2485 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.890 | 31 | 3.51 | 3.50 | 27 |
| DUSTIN | 2690 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.100 | 31 | ***** | 3.38 | 27 |
| EUFAULA | 2993 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.310 | 31 | 3.02 | 4.04 | 27 |
| HANNA | 3884 | 6 | 79.9 | 31 | -1.9 | 94. | 27 | 63. | 18 | .0 | .0 | 463.0 | -58.0 | 5.890 | 31 | 3.08 | 1.52 | 31 |
| HARTSHORNE | 3946 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.710 | 31 | ***** | 2.79 | 17 |
| HASKELL | 3956 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.970 | 31 | 1.36 | 1.40 | 21 |
| HOLDENVILLE | 4235 | 6 | 79.7 | 31 | -2.2 | 95. | 26 | 62. | 17 | .0 | .0 | 456.0 | -68.0 | 7.430 | 31 | 4.65 | 1.77 | 17 |
| LAKE EUFAULA | 4975 | 6 | 79.8 | 29 | ***** | 95. | 13 | 65. | 18 | .0 | ****** | 429.0 | ****** | 6.711 | 29 | ***** | 2.70 | 27 |
| LYONS 2 N | 5437 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.400 | 31 | 4.49 | 2.22 | 27 |
| MARBLE CITY | 5546 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.812 | 31 | ***** | 1.60 | 17 |
| MCALESTER FAA | 5664 | 6 | 81.4 | 31 | -.5 | 95. | 26 | 66. | 18 | .0 | .0 | 509.5 | -14.5 | 6.451 | 31 | 3.78 | 1.66 | 16 |
| MCCURTAIN 1 SE | 5693 | 6 | 82.2 | 31 | -.2 | 97. | 26 | 63. | 18 | .0 | .0 | 533.5 | -5.5 | 6.361 | 31 | 3.19 | 3.50 | 27 |
| MUSKOGEE | 6130 | 6 | 80.4 | 31 | -1.8 | 95. | 26 | 66. | 17 | .0 | .0 | 478.0 | -55.0 | 6.010 | 30 | ***** | 2.01 | 16 |
| OKMULGEE W W | 6670 | 6 | 78.8 | 29 | ***** | 94. | 27 | 61. | 17 | .0 | ****** | 401.5 | ****** | 5.311 | 31 | 2.62 | 1.67 | 17 |
| OKTAHA 2 NE | 6678 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.360 | 31 | ***** | 2.46 | 27 |
| QUINTON | 7372 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.821 | 31 | 3.36 | 2.89 | 27 |
| SALLISAW 2 NE | 7862 | 6 | 79.2 | 31 | -2.6 | 94. | 26 | 62. | 17 | .0 | .0 | 439.5 | -81.5 | 4.210 | 31 | 1.21 | 1.70 | 17 |
| SCIPIO | 7979 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.120 | 31 | ***** | 1.84 | 17 |
| SCRAPER | 7993 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.970 | 31 | ***** | 2.00 | 4 |
| SHORT | 8170 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.780 | 31 | ***** | 1.64 | 27 |
| STILWELL 1 NE | 8506 | 6 | 78.6 | 31 | -1.3 | 93. | 26 | 63. | 19 | .0 | .0 | 422.5 | -39.5 | 9.131 | 31 | 6.08 | 2.47 | 31 |
| TAHLEQUAH | 8677 | 6 | 79.1 | 31 | -1.4 | 95. | 2 | 64. | 17 | .0 | .0 | 438.5 | -42.5 | 6.730 | 31 | 3.75 | 2.11 | 31 |
| WEBBERS FALLS | 9445 | 6 | 79.5 | 31 | -2.2 | 94. | 27 | 64. | 18 | .0 | .0 | 450.5 | -67.5 | 7.040 | 31 | 4.56 | 2.49 | 17 |
| WESTVILLE | 9523 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 8.742 | 31 | ***** | 2.22 | 31 |
| WETUMKA 3 NE | 9571 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.480 | 31 | 2.56 | 3.25 | 27 |

## JULY 1992 SUMMARY FOR SOUTHWEST DIVISION (CD7)

| NAME | ID | CD | MEAN TEMP | NUM OBS | DEV FROM NORM | MAX TEMP | DAY | MIN TEMP | DAY | HEAT DEG DAY | DEV FROM NORM | COOL DEG DAY | DEV FROM NORM | TOT PPT | NUM OBS | DEV FROM NORM | MAX 24-HR | DAY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALTUS IRR STA | 179 | 7 | 82.1 | 31 | -2.4 | 103. | 1 | 63. | 17 | .0 | .0 | 530.0 | -75.0 | 1.710 | 31 | -.05 | .70 | 16 |
| ALTUS DAM | 184 | 7 | 80.6 | 31 | -3.6 | 101. | 2 | 65. | 18 | .0 | .0 | 483.0 | -112.0 | 3.600 | 31 | 1.69 | 1.63 | 27 |
| APACHE | 260 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.870 | 31 | 4.84 | 3.27 | 14 |
| ALTUS AFB | 447 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.082 | 31 | ***** | .87 | 16 |
| CARNEGIE 2 ENE | 1504 | 7 | 81.0 | 29 | ***** | 98. | 6 | 62. | 18 | .0 | ****** | 463.0 | ****** | 5.600 | 29 | ***** | 2.55 | 27 |
| CHATTANOOGA | 1706 | 7 | 83.1 | 31 | -1.2 | 100. | 26 | 62. | 17 | .0 | .0 | 560.0 | -38.0 | 1.860 | 31 | -.26 | .69 | 17 |
| DUNCAN 12 W | 2668 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.501 | 31 | ***** | .97 | 26 |
| FREDERICK | 3353 | 7 | 80.6 | 31 | -3.8 | 101. | 2 | 63. | 17 | .0 | .0 | 485.0 | -116.0 | 1.520 | 31 | -.56 | .60 | 16 |
| GRANDFIELD 4 NW | 3709 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.500 | 31 | -.48 | .70 | 31 |
| HOBART FAA APT | 4204 | 7 | 81.7 | 31 | -2.0 | 100. | 1 | 61. | 17 | .0 | .0 | 517.5 | -62.5 | 4.212 | 31 | 2.13 | 2.10 | 14 |
| HOLLIS | 4249 | 7 | 82.4 | 28 | ***** | 106. | 26 | 60. | 18 | .0 | ****** | 487.5 | ****** | 1.710 | 28 | ***** | .97 | 27 |
| HOLLISTER | 4250 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.170 | 31 | ***** | .75 | 17 |
| LAWTON | 5063 | 7 | 81.4 | 31 | -2.1 | 100. | 3 | 63. | 17 | .0 | .0 | 508.0 | -66.0 | 1.411 | 31 | -.49 | .58 | 14 |
| FORT SILL | 5068 | 7 | 81.4 | 31 | ***** | 100. | 2 | 63. | 17 | .0 | ****** | 507.0 | ****** | 3.411 | 31 | ***** | 1.11 | 26 |
| LOOKEBA 2 ENE | 5329 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.921 | 31 | 3.03 | 1.91 | 14 |
| MANGUM RES STA | 5509 | 7 | 80.3 | 31 | -3.9 | 104. | 1 | 61. | 17 | .0 | .0 | 473.5 | -121.5 | 2.700 | 31 | .67 | 1.32 | 27 |
| RANDLETT 9 E | 7403 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.880 | 31 | ***** | .90 | 3 |
| ROOSEVELT | 7727 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.960 | 31 | 1.90 | 1.58 | 14 |
| SEDAN | 8016 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.960 | 31 | ***** | 2.20 | 14 |
| SNYDER | 8299 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.952 | 31 | -.11 | .80 | 27 |
| VINSON 3 WNW | 9212 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.200 | 31 | -.43 | .54 | 27 |
| WALTERS | 9278 | 7 | 82.3 | 31 | -1.8 | 106. | 26 | 63. | 17 | .0 | .0 | 537.5 | -54.5 | 1.290 | 31 | -1.07 | .46 | 14 |
| WICHITA MT WLR | 9629 | 7 | 78.7 | 31 | -3.5 | 95. | 3 | 59. | 19 | .0 | .0 | 425.0 | -108.0 | 4.220 | 31 | 1.91 | 1.55 | 27 |
| WILLOW | 9668 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.641 | 31 | ***** | .97 | 14 |

## JULY 1992 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

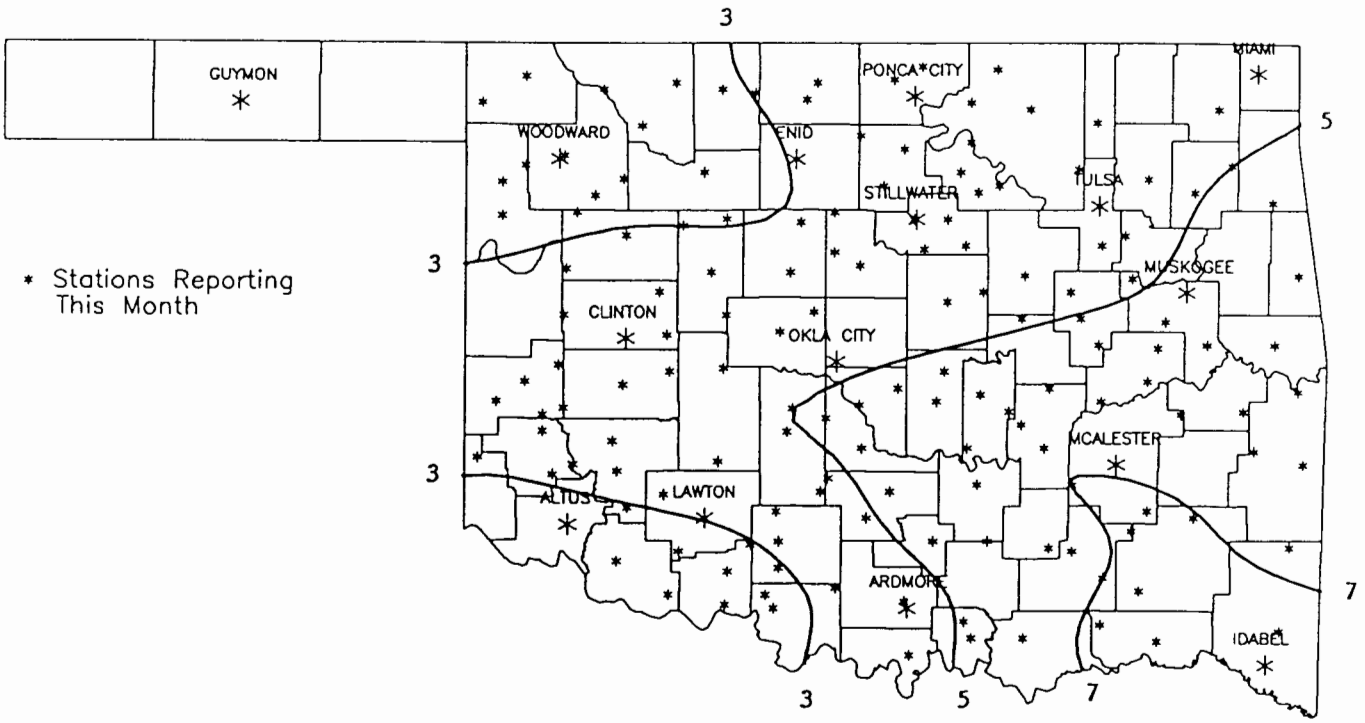
| NAME | ID | CD | MEAN TEMP | NUM OBS | DEV FROM NORM | MAX TEMP | DAY | MIN TEMP | DAY | HEAT DEG DAY | DEV FROM NORM | COOL DEG DAY | DEV FROM NORM | TOT PPT | NUM OBS | DEV FROM NORM | MAX 24-HR | DAY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ADA | 17 | 8 | 79.7 | 31 | -2.5 | 93. | 26 | 64. | 18 | .0 | .0 | 455.0 | -78.0 | 6.210 | 31 | 3.80 | 2.45 | 27 |
| ALLEN | 147 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.450 | 31 | ***** | 3.05 | 17 |
| ARDMORE | 292 | 8 | 80.7 | 30 | -3.3 | 94. | 27 | 63. | 1 | .0 | .0 | 472.0 | -117.0 | 2.781 | 31 | .65 | 1.12 | 16 |
| ATOKA DAM | 394 | 8 | 80.5 | 22 | ***** | 96. | 27 | 66. | 31 | .0 | ****** | 341.0 | ****** | 5.620 | 31 | 3.09 | 2.30 | 17 |
| BOKCHITO | 917 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.720 | 31 | ***** | 2.01 | 10 |
| CANEY | 1437 | 8 | 81.0 | 31 | ***** | 95. | 1 | 64. | 15 | .0 | ****** | 495.0 | ****** | 8.040 | 31 | ***** | 3.50 | 15 |
| CENTRAHOMA | 1648 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 8.650 | 31 | ***** | 2.40 | 27 |
| CHICKASAW NRA | 1745 | 8 | 80.4 | 31 | -1.7 | 96. | 27 | 65. | 29 | .0 | .0 | 476.0 | -54.0 | 6.540 | 31 | 3.87 | 2.55 | 14 |
| COLEMAN | 2011 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.400 | 31 | ***** | 1.25 | 17 |
| COMANCHE | 2054 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.061 | 31 | 1.11 | 1.09 | 3 |
| DAISY 4 ENE | 2354 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.260 | 31 | 2.83 | 2.72 | 17 |
| DUNCAN | 2660 | 8 | 80.3 | 31 | -2.8 | 98. | 3 | 63. | 17 | .0 | .0 | 473.5 | -87.5 | 3.140 | 31 | .89 | 1.10 | 3 |
| DURANT USDA | 2678 | 8 | 80.1 | 31 | -2.2 | 94. | 27 | 63. | 16 | .0 | .0 | 469.5 | -66.5 | 8.710 | 31 | 6.42 | 3.74 | 17 |
| ELMORE CITY | 2872 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.350 | 31 | ***** | 3.13 | 13 |
| FARRIS 3 WNW | 3083 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 8.240 | 31 | 5.61 | 2.91 | 16 |
| GRADY | 3688 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.000 | 31 | ***** | 1.50 | 2 |
| HEALDTON | 4001 | 8 | 80.2 | 20 | ***** | 94. | 15 | 64. | 17 | .0 | ****** | 304.5 | ****** | 1.780 | 20 | ***** | 1.21 | 17 |
| HENNEPIN | 4052 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.920 | 31 | ***** | 1.68 | 14 |
| KETCHUM RANCH | 4780 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.240 | 31 | ***** | 1.55 | 14 |
| KINGSTON | 4865 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.710 | 31 | 1.60 | 1.34 | 31 |
| LEHIGH | 5108 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.252 | 31 | ***** | 1.50 | 17 |
| LINDSAY 2 W | 5216 | 8 | 80.8 | 30 | -1.9 | 97. | 3 | 62. | 17 | .0 | .0 | 474.5 | -74.5 | 2.701 | 31 | .64 | 1.54 | 14 |
| LOCO 6 SE | 5247 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.520 | 31 | ***** | .60 | 17 |
| MADILL | 5468 | 8 | 80.9 | 31 | -2.4 | 95. | 26 | 65. | 15 | .0 | .0 | 492.0 | -75.0 | 3.630 | 31 | 1.44 | 1.37 | 16 |
| MARIETTA | 5563 | 8 | 81.4 | 31 | -1.8 | 96. | 26 | 67. | 31 | .0 | .0 | 509.0 | -55.0 | 4.900 | 31 | 2.79 | 1.22 | 31 |
| MARLOW 1 WSW | 5581 | 8 | 81.2 | 31 | -1.1 | 98. | 26 | 59. | 17 | .0 | .0 | 501.0 | -35.0 | 5.420 | 31 | 3.10 | 2.15 | 14 |
| MCGEE CREEK DAM | 5713 | 8 | 79.2 | 31 | ***** | 95. | 27 | 63. | 15 | .0 | ****** | 439.0 | ****** | 7.200 | 31 | ***** | 2.50 | 17 |
| PAULS VALLEY | 6926 | 8 | 80.6 | 31 | -2.7 | 94. | 26 | 62. | 17 | .0 | .0 | 484.5 | -82.5 | 6.851 | 31 | 4.59 | 2.50 | 14 |
| PONTOTOC | 7214 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.660 | 31 | 5.12 | 2.82 | 16 |
| TISHOMINGO NWLR | 8884 | 8 | 75.1 | 22 | ***** | 95. | 19 | 55. | 4 | .5 | ****** | 223.0 | ****** | 8.050 | 23 | ***** | 2.05 | 25 |
| TUSSY | 9032 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.740 | 31 | ***** | 1.24 | 14 |
| WAURIKA | 9395 | 8 | 82.2 | 31 | -2.1 | 98. | 26 | 63. | 17 | .0 | .0 | 533.5 | -64.5 | 3.410 | 31 | 1.60 | 2.50 | 3 |
| WAURIKA DAM | 9399 | 8 | 81.3 | 27 | ***** | 99. | 15 | 66. | 3 | .0 | ****** | 440.0 | ****** | 3.090 | 31 | ***** | 1.81 | 3 |

## JULY 1992 SUMMARY FOR SOUTHEAST DIVISION (CD9)

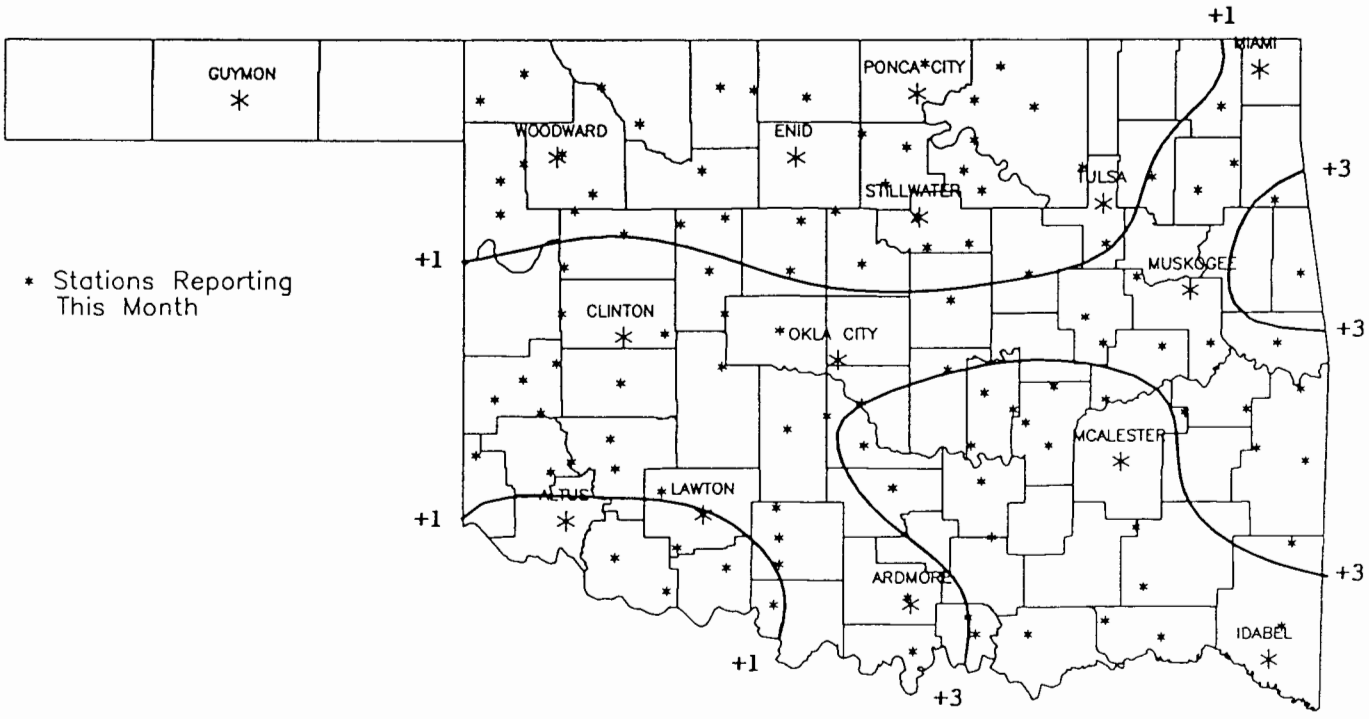
| NAME | ID | CD | MEAN TEMP | NUM OBS | DEV FROM NORM | MAX TEMP | DAY | MIN TEMP | DAY | HEAT DEG DAY | DEV FROM NORM | COOL DEG DAY | DEV FROM NORM | TOT PPT | NUM OBS | DEV FROM NORM | MAX 24-HR | DAY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANTLERS | 256 | 9 | 79.8 | 31 | -1.5 | 94. | 26 | 66. | 31 | .0 | .0 | 459.5 | -45.5 | 7.510 | 31 | 4.24 | 2.25 | 3 |
| BATTIEST 1 SSW | 567 | 9 | 76.4 | 31 | ***** | 90. | 26 | 63. | 18 | .0 | ****** | 352.0 | ****** | 6.120 | 30 | ***** | 1.90 | 17 |
| BEAR MT TWR | 584 | 9 | 78.7 | 16 | ***** | 96. | 15 | 61. | 13 | .0 | ****** | 218.5 | ****** | 7.132 | 19 | ***** | 2.72 | 17 |
| BENGAL | 670 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 8.760 | 31 | ***** | 3.32 | 27 |
| BOSWELL 4 NNW | 980 | 9 | 80.0 | 31 | -1.9 | 95. | 26 | 63. | 15 | .0 | .0 | 465.5 | -58.5 | 8.254 | 31 | 5.73 | 2.66 | 17 |
| BROKEN BOW 1 N | 1162 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 8.640 | 31 | 5.11 | 3.92 | 31 |
| BROKEN BOW DAM | 1168 | 9 | 79.6 | 31 | -.9 | 95. | 26 | 64. | 31 | .0 | .0 | 452.0 | -29.0 | 12.050 | 31 | 8.15 | 4.03 | 30 |
| CARNASAW TWR | 1499 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 10.230 | 31 | 6.22 | 3.43 | 17 |
| CARTER TWR | 1544 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.440 | 31 | 3.45 | 3.09 | 17 |
| FANSHAWE | 3065 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.750 | 31 | 1.14 | 2.42 | 27 |
| FLAGPOLE TWR | 3169 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.610 | 31 | ***** | 2.65 | 27 |
| HEAVENER 1 SE | 4008 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.180 | 31 | 2.74 | 2.46 | 27 |
| HEE MT TWR | 4017 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.210 | 31 | 3.39 | 2.38 | 29 |
| HUGO | 4384 | 9 | 79.9 | 31 | -2.4 | 93. | 26 | 61. | 14 | .0 | .0 | 463.0 | -73.0 | 7.393 | 31 | 4.60 | 2.91 | 17 |
| IDABEL | 4451 | 9 | 79.9 | 31 | -1.0 | 94. | 26 | 65. | 31 | .0 | .0 | 463.0 | -30.0 | 7.302 | 31 | 3.96 | 2.22 | 17 |
| POTEAU W W | 7254 | 9 | 79.4 | 31 | ***** | 95. | 26 | 60. | 31 | .0 | ****** | 446.5 | ****** | 6.050 | 31 | ***** | 1.90 | 26 |
| SMITHVILLE 1 W | 8285 | 9 | 76.9 | 31 | -2.3 | 90. | 26 | 62. | 18 | .0 | .0 | 369.0 | -71.0 | 5.556 | 31 | 1.25 | 1.75 | 17 |
| SPIRO | 8416 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.740 | 31 | 1.50 | 1.75 | 17 |
| TUSKAHOMA | 9023 | 9 | 79.6 | 31 | -2.1 | 93. | 26 | 62. | 18 | .0 | .0 | 454.0 | -64.0 | 8.641 | 31 | 4.93 | 4.20 | 27 |
| VALLIANT 3 W | 9118 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.763 | 31 | 4.30 | 1.96 | 17 |
| WILBURTON 9 ENE | 9634 | 9 | 79.9 | 31 | -1.3 | 95. | 26 | 61. | 18 | .0 | .0 | 463.0 | -39.0 | 8.190 | 31 | 4.43 | 4.00 | 26 |

## JULY 1992 CLIMATE DIVISION SUMMARY

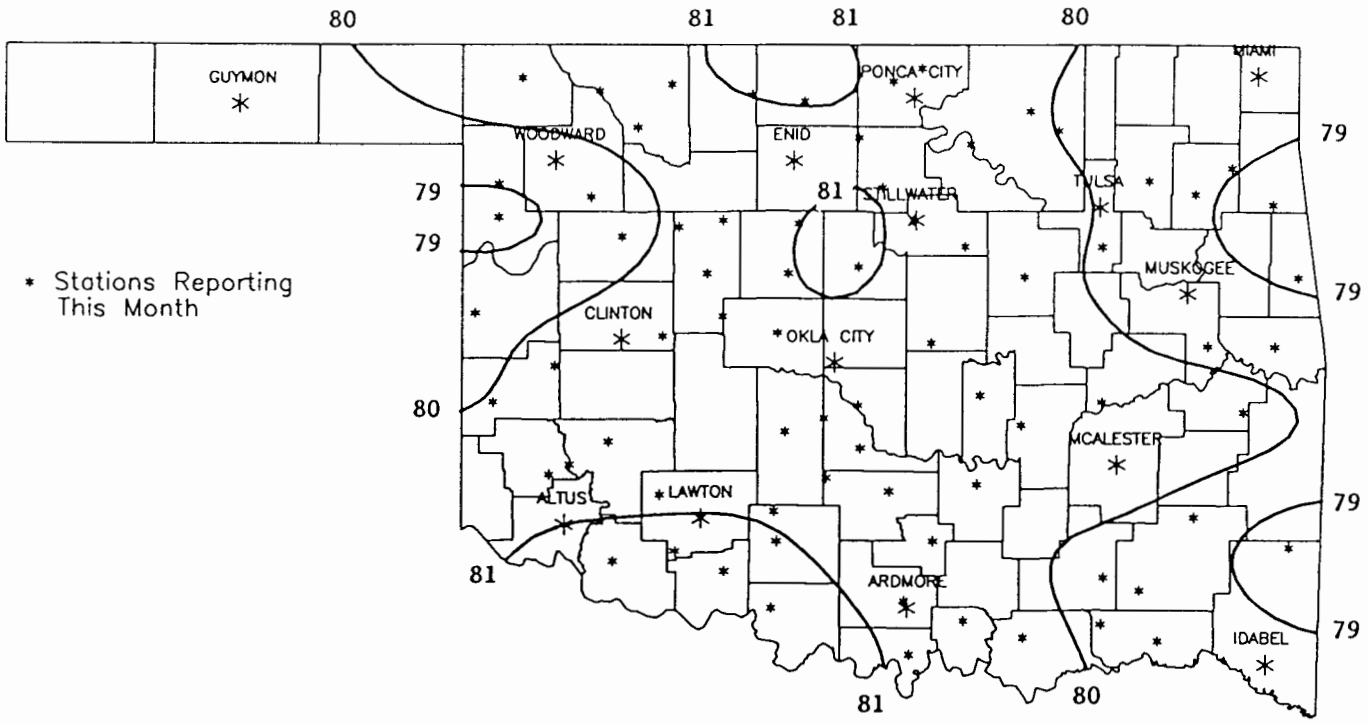
| CLIMATE DIV | MEAN TEMP | NUM STA | DEV FROM NORM | MAX TEMP | DAY | MIN TEMP | DAY | HEAT DEGREE DAYS | DEV FROM NORM | COOL DEGREE DAYS | DEV FROM NORM | TOT PPT | NUM STA | DEV FROM NORM | MAX 24-HR | DAY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 77.8 | 11 | -2.5 | 109.0 | 8 | 52.0 | 3 | .1 | .1 | 395.5 | -76.1 | 2.61 | 12 | .12 | 2.04 | 14 |
| 2 | 80.7 | 15 | -2.0 | 105.0 | 2 | 53.0 | 3 | .0 | .0 | 484.5 | -64.3 | 2.83 | 22 | .01 | 2.26 | 16 |
| 3 | 79.7 | 16 | -1.7 | 97.0 | 10 | 59.0 | 19 | .0 | .0 | 455.5 | -53.3 | 4.36 | 29 | 1.43 | 2.51 | 11 |
| 4 | 80.2 | 10 | -2.1 | 103.0 | 1 | 58.0 | 31 | .0 | .0 | 468.5 | -68.8 | 4.32 | 21 | 2.33 | 3.60 | 27 |
| 5 | 80.8 | 15 | -1.5 | 100.0 | 7 | 57.0 | 31 | .0 | .0 | 487.4 | -51.0 | 4.43 | 34 | 1.91 | 4.44 | 27 |
| 6 | 80.0 | 9 | -1.6 | 97.0 | 26 | 61.0 | 17 | .0 | .0 | 465.7 | -50.4 | 6.37 | 28 | 3.42 | 4.04 | 27 |
| 7 | 81.2 | 10 | -2.6 | 106.0 | 26 | 59.0 | 19 | .0 | .0 | 502.6 | -80.6 | 2.84 | 22 | .85 | 3.27 | 14 |
| 8 | 80.6 | 13 | -2.3 | 99.0 | 15 | 55.0 | 4 | .0 | .0 | 482.7 | -73.4 | 5.11 | 31 | 2.77 | 3.74 | 17 |
| 9 | 79.2 | 10 | -2.0 | 96.0 | 15 | 60.0 | 31 | .0 | .0 | 438.8 | -62.0 | 7.49 | 19 | 3.93 | 4.20 | 27 |



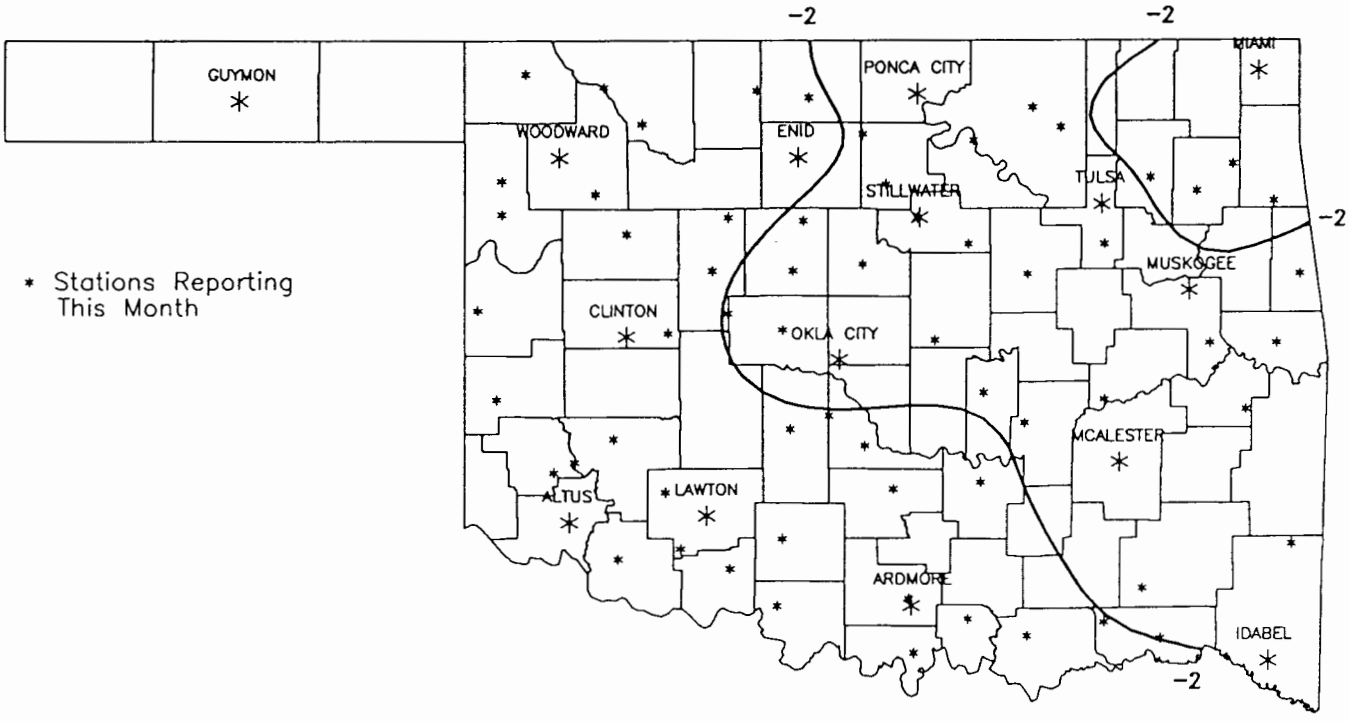

**JULY 1992 TOTAL PRECIPITATION**
**(Inches)**



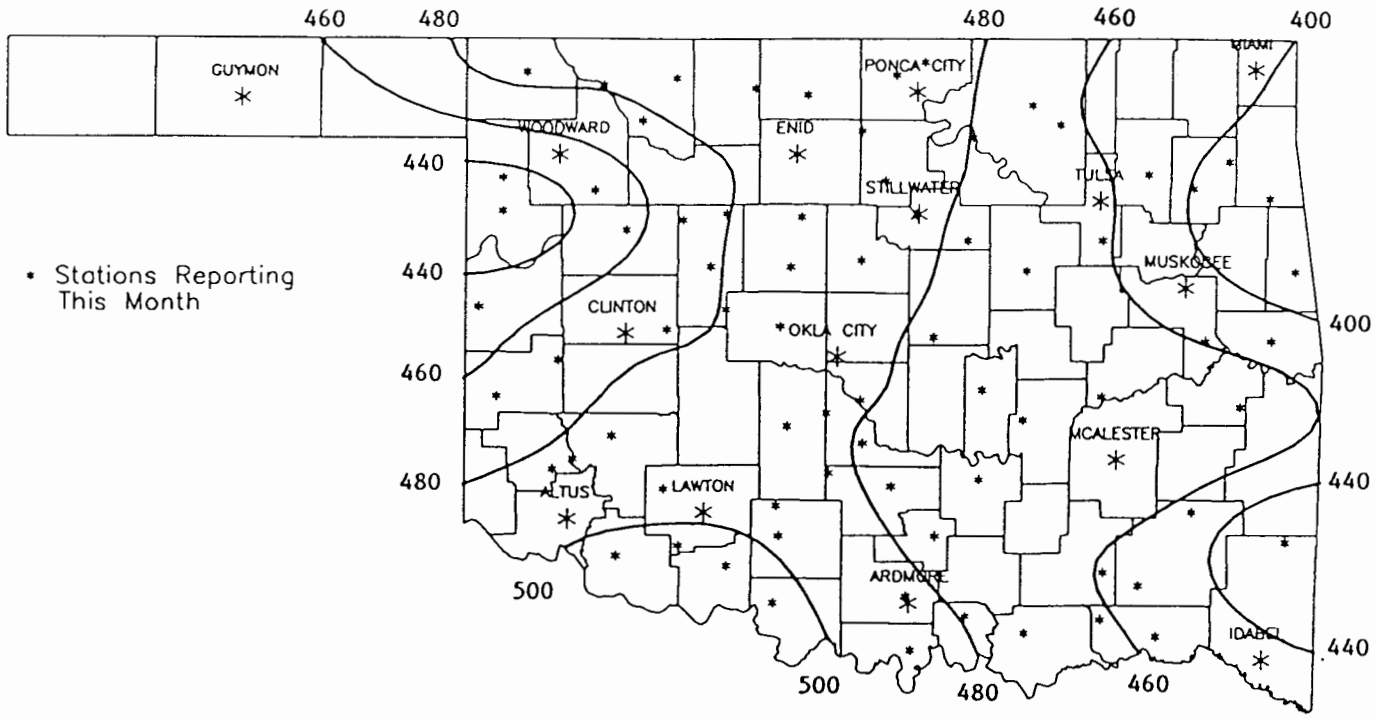

**JULY 1992 DEVIATION FROM NORMAL PRECIPITATION**
**(Inches)**



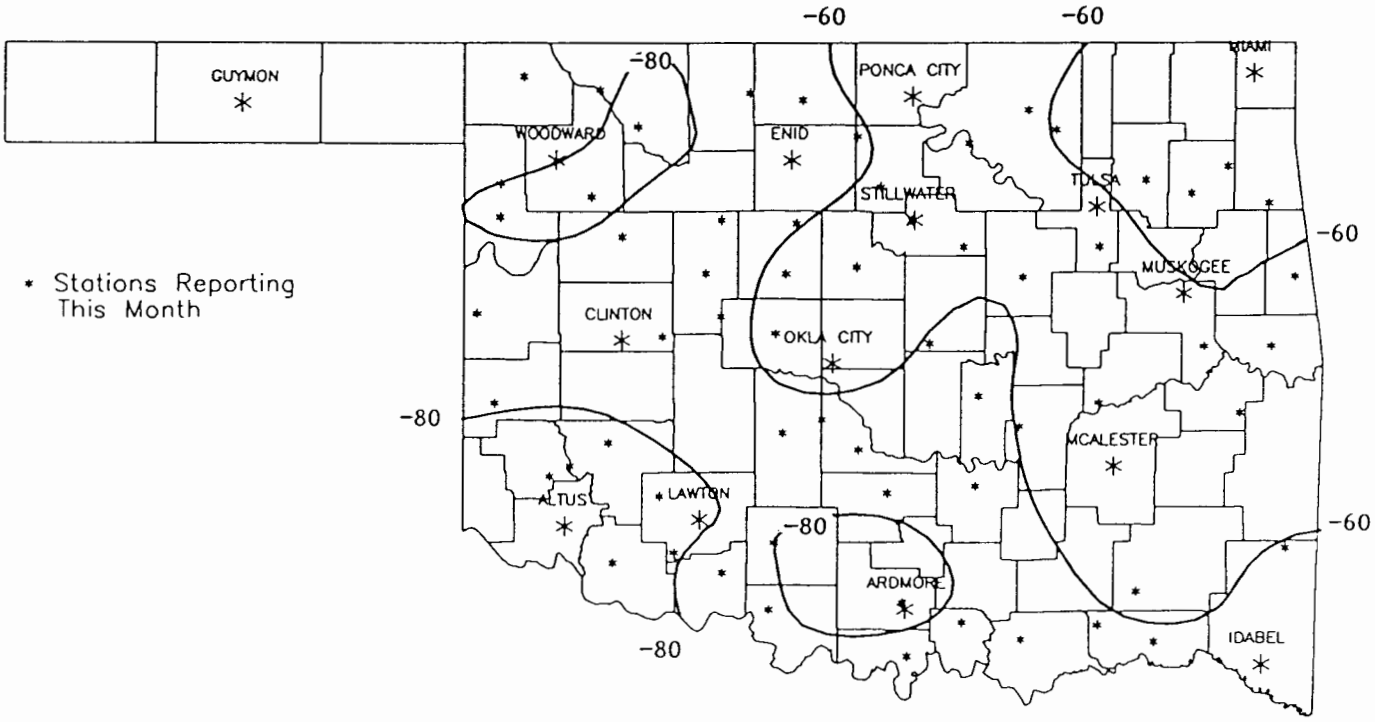

**JULY 1992 AVERAGE MONTHLY TEMPERATURES**
**(Degrees F)**




**JULY 1992 DEVIATION FROM NORMAL TEMPERATURES**
**(Degrees F)**

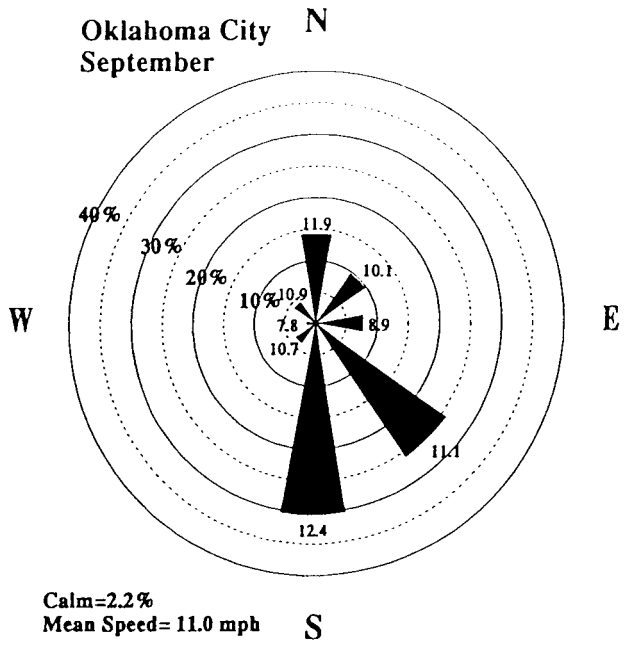


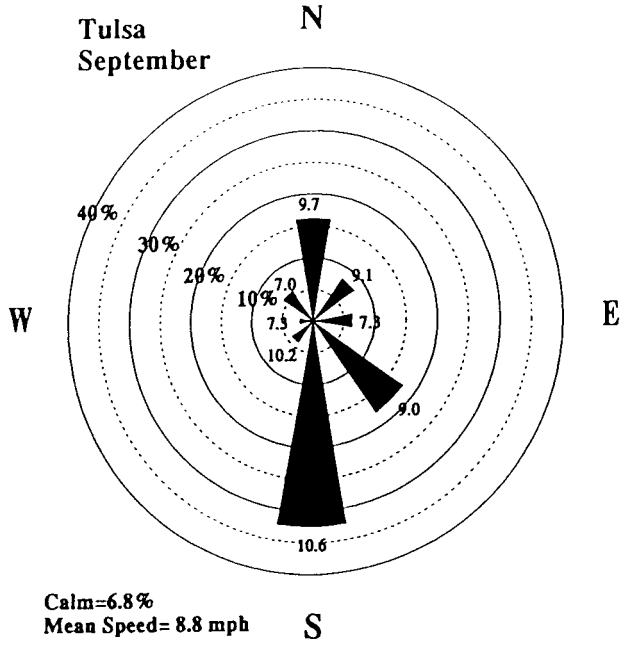

**JULY 1992 COOLING DEGREE DAYS**




**JULY 1992 DEVIATION FROM NORMAL COOLING DEGREE DAYS**

September wind roses for Oklahoma City and Tulsa. Percents represent the percentage of winds coming from a direction. The numbers at the end of the bars indicate the average speed (miles per hour) of winds from that direction.



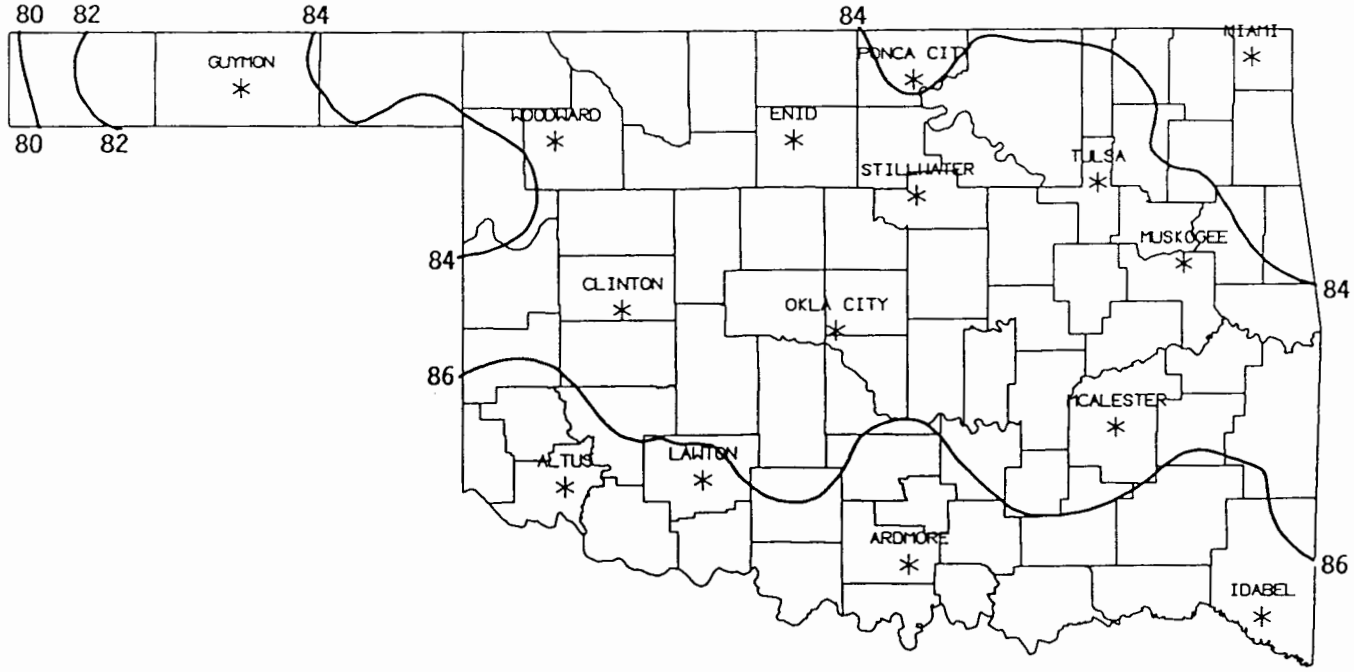

## SEPTEMBER 1992 SUNRISE AND SUNSET

### Oklahoma City

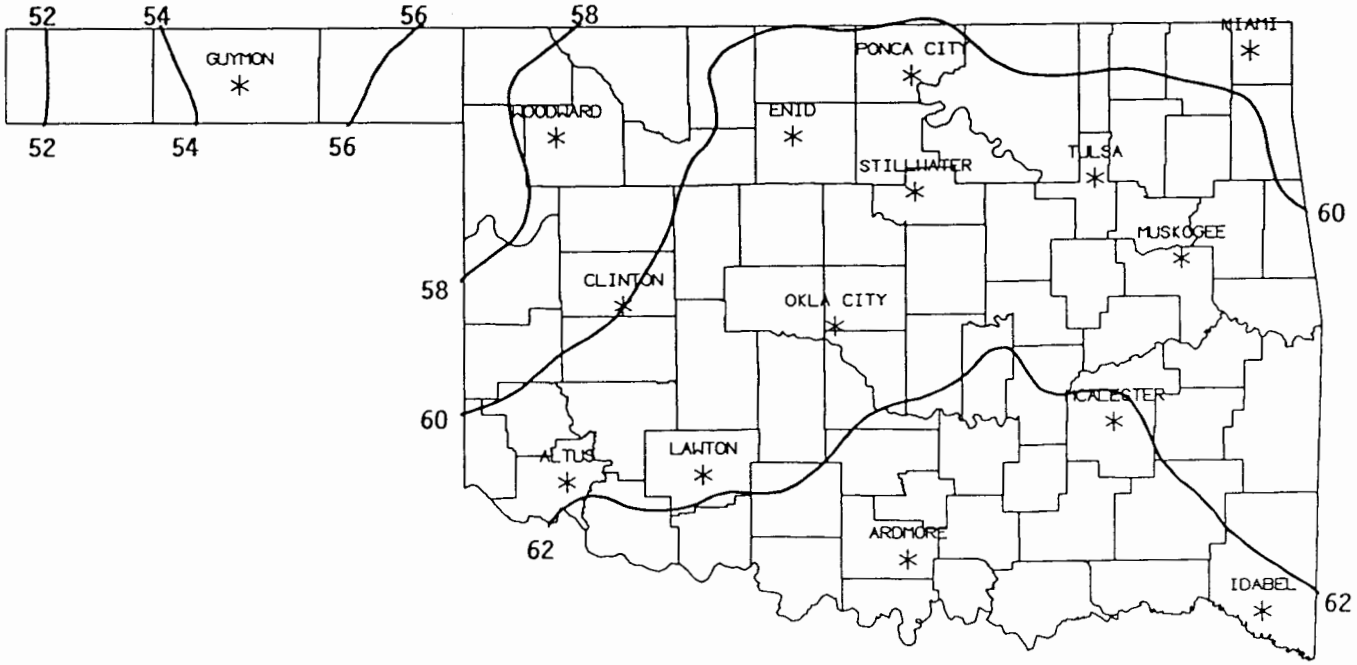
| DATE | SUNRISE | SUNSET | DAYLIGHT |
|---|---|---|---|
| 92 9 1 | 7: 2AM | 7:58PM CDT | 12 hrs 56 mins |
| 92 9 2 | 7: 3AM | 7:56PM CDT | 12 hrs 53 mins |
| 92 9 3 | 7: 4AM | 7:55PM CDT | 12 hrs 51 mins |
| 92 9 4 | 7: 4AM | 7:54PM CDT | 12 hrs 49 mins |
| 92 9 5 | 7: 5AM | 7:52PM CDT | 12 hrs 47 mins |
| 92 9 6 | 7: 6AM | 7:51PM CDT | 12 hrs 45 mins |
| 92 9 7 | 7: 7AM | 7:49PM CDT | 12 hrs 43 mins |
| 92 9 8 | 7: 7AM | 7:48PM CDT | 12 hrs 41 mins |
| 92 9 9 | 7: 8AM | 7:46PM CDT | 12 hrs 38 mins |
| 92 910 | 7: 9AM | 7:45PM CDT | 12 hrs 36 mins |
| 92 911 | 7: 9AM | 7:44PM CDT | 12 hrs 34 mins |
| 92 912 | 7:10AM | 7:42PM CDT | 12 hrs 32 mins |
| 92 913 | 7:11AM | 7:41PM CDT | 12 hrs 30 mins |
| 92 914 | 7:12AM | 7:39PM CDT | 12 hrs 28 mins |
| 92 915 | 7:12AM | 7:38PM CDT | 12 hrs 25 mins |
| 92 916 | 7:13AM | 7:36PM CDT | 12 hrs 23 mins |
| 92 917 | 7:14AM | 7:35PM CDT | 12 hrs 21 mins |
| 92 918 | 7:15AM | 7:33PM CDT | 12 hrs 19 mins |
| 92 919 | 7:15AM | 7:32PM CDT | 12 hrs 16 mins |
| 92 920 | 7:16AM | 7:30PM CDT | 12 hrs 14 mins |
| 92 921 | 7:17AM | 7:29PM CDT | 12 hrs 12 mins |
| 92 922 | 7:18AM | 7:27PM CDT | 12 hrs 10 mins |
| 92 923 | 7:18AM | 7:26PM CDT | 12 hrs 8 mins |
| 92 924 | 7:19AM | 7:24PM CDT | 12 hrs 5 mins |
| 92 925 | 7:20AM | 7:23PM CDT | 12 hrs 3 mins |
| 92 926 | 7:21AM | 7:21PM CDT | 12 hrs 1 mins |
| 92 927 | 7:21AM | 7:20PM CDT | 11 hrs 59 mins |
| 92 928 | 7:22AM | 7:19PM CDT | 11 hrs 57 mins |
| 92 929 | 7:23AM | 7:17PM CDT | 11 hrs 54 mins |
| 92 930 | 7:24AM | 7:16PM CDT | 11 hrs 52 mins |

### Tulsa

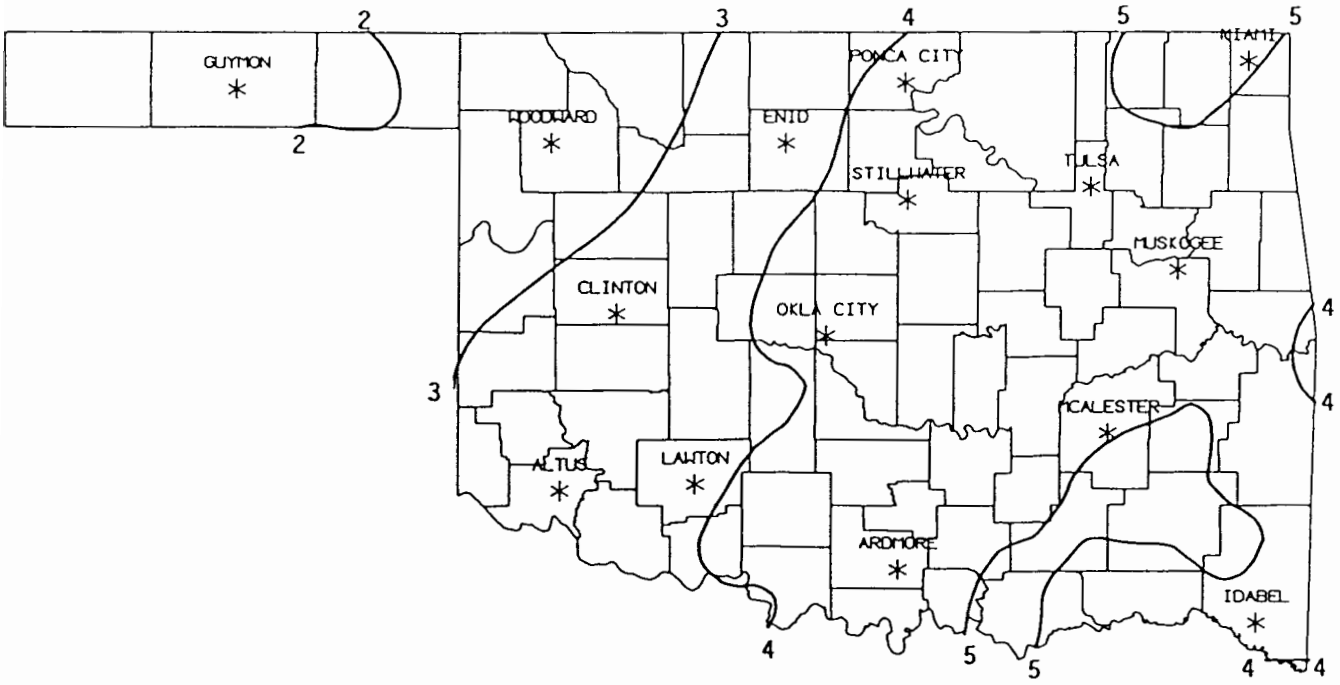
| DATE | SUNRISE | SUNSET | DAYLIGHT |
|---|---|---|---|
| 92 9 1 | 6:55AM | 7:52PM CDT | 12 hrs 57 mins |
| 92 9 2 | 6:56AM | 7:50PM CDT | 12 hrs 55 mins |
| 92 9 3 | 6:56AM | 7:49PM CDT | 12 hrs 53 mins |
| 92 9 4 | 6:57AM | 7:48PM CDT | 12 hrs 50 mins |
| 92 9 5 | 6:58AM | 7:46PM CDT | 12 hrs 48 mins |
| 92 9 6 | 6:59AM | 7:45PM CDT | 12 hrs 46 mins |
| 92 9 7 | 6:59AM | 7:43PM CDT | 12 hrs 44 mins |
| 92 9 8 | 7: 0AM | 7:42PM CDT | 12 hrs 42 mins |
| 92 9 9 | 7: 1AM | 7:40PM CDT | 12 hrs 39 mins |
| 92 910 | 7: 2AM | 7:39PM CDT | 12 hrs 37 mins |
| 92 911 | 7: 2AM | 7:37PM CDT | 12 hrs 35 mins |
| 92 912 | 7: 3AM | 7:36PM CDT | 12 hrs 33 mins |
| 92 913 | 7: 4AM | 7:34PM CDT | 12 hrs 30 mins |
| 92 914 | 7: 5AM | 7:33PM CDT | 12 hrs 28 mins |
| 92 915 | 7: 5AM | 7:31PM CDT | 12 hrs 26 mins |
| 92 916 | 7: 6AM | 7:30PM CDT | 12 hrs 24 mins |
| 92 917 | 7: 7AM | 7:28PM CDT | 12 hrs 21 mins |
| 92 918 | 7: 8AM | 7:27PM CDT | 12 hrs 19 mins |
| 92 919 | 7: 8AM | 7:25PM CDT | 12 hrs 17 mins |
| 92 920 | 7: 9AM | 7:24PM CDT | 12 hrs 15 mins |
| 92 921 | 7:10AM | 7:22PM CDT | 12 hrs 12 mins |
| 92 922 | 7:11AM | 7:21PM CDT | 12 hrs 10 mins |
| 92 923 | 7:11AM | 7:19PM CDT | 12 hrs 8 mins |
| 92 924 | 7:12AM | 7:18PM CDT | 12 hrs 5 mins |
| 92 925 | 7:13AM | 7:16PM CDT | 12 hrs 3 mins |
| 92 926 | 7:14AM | 7:15PM CDT | 12 hrs 1 mins |
| 92 927 | 7:15AM | 7:13PM CDT | 11 hrs 59 mins |
| 92 928 | 7:15AM | 7:12PM CDT | 11 hrs 56 mins |
| 92 929 | 7:16AM | 7:10PM CDT | 11 hrs 54 mins |
| 92 930 | 7:17AM | 7: 9PM CDT | 11 hrs 52 mins |




SEPTEMBER 30-YEAR MEAN DAILY MAXIMUM TEMPERATURE




SEPTEMBER 30-YEAR MEAN DAILY MINIMUM TEMPERATURE




SEPTEMBER 30-YEAR MEAN MONTHLY PRECIPITATION

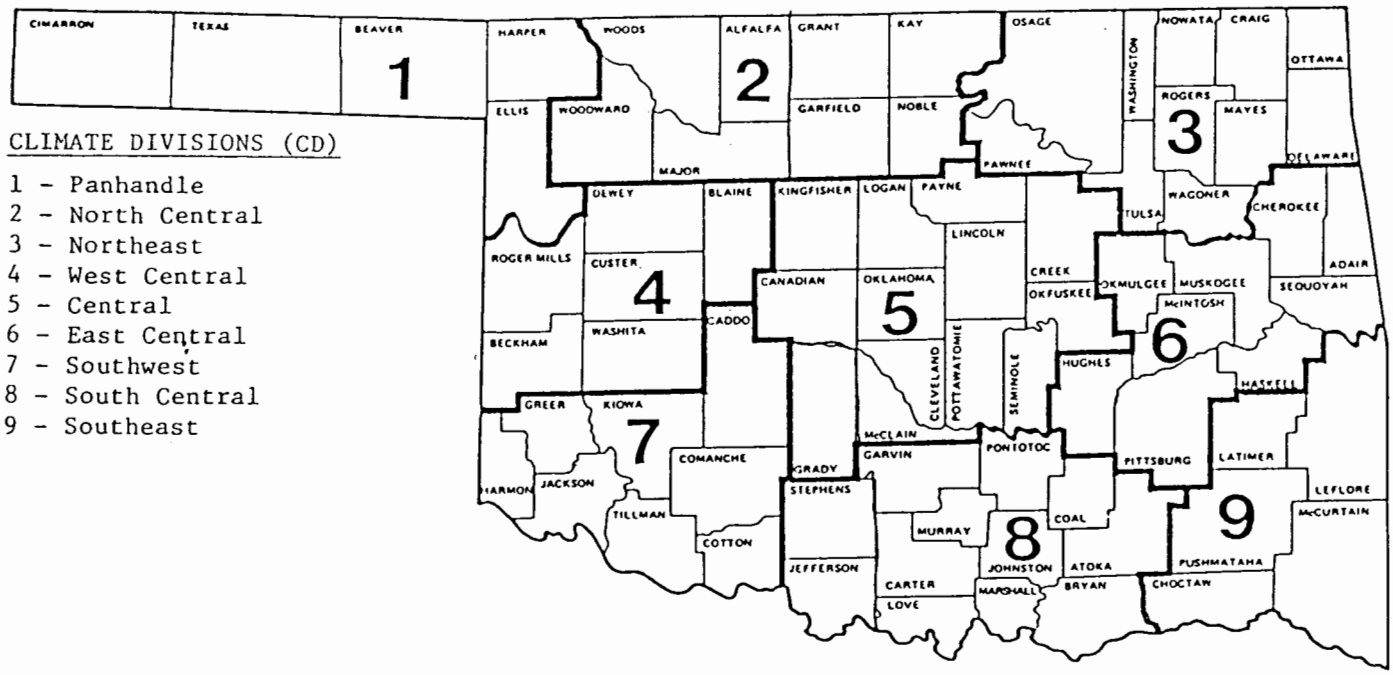
## 90-DAY NATIONAL WEATHER SERVICE OUTLOOK

**(August - October 1992)**

**Precipitation - Above Normal Statewide**

**Temperature - Below Normal Statewide**

# O K L A H O M A




CLIMATE DIVISIONS (CD)

1 - Panhandle
2 - North Central
3 - Northeast
4 - West Central
5 - Central
6 - East Central
7 - Southwest
8 - South Central
9 - Southeast

## EXPLANATION OF TABLES

Two kinds of tables appear in this summary. The first is a set of tables containing all reporting stations grouped by climate division. The figure above shows the locations of the climate divisions. Each table contains the following information for each station:

Station Name:

Station Identification Number: These are usually assigned by the National Climatic Data Center.

Climate Division: See the figure above.

Number of Temperature Observations: These are the actual number of temperature reports recorded at the station during the current month. Missing observations may result in artificially high or low mean monthly temperatures.

Deviation from Normal: The deviation of the observed mean monthly temperature from the monthly station normal. A positive value indicates the month was warmer than normal. A negative value indicates the month was cooler than normal. Normal monthly temperatures may be calculated by subtracting the deviation from the observed temperature.

Maximum Daily Maximum: The maximum daily maximum temperature observed during the current month and year and the day which it occurred.

Minimum Daily Minimum: The minimum daily minimum temperature observed during the current month and year and the day which it occurred.

Heating Degree Days: HDD are calculated each day of the month for which there is a temperature report and summed. They are a qualitative measure of how much heat was required to maintain a comfortable indoor temperature. Missing observations may result in an artificially high or low value. For February 1984 HDD would be calculated as:

$$\sum_{i=1}^{29} 65-((TMAX_i + TMIN_i)/2)$$

Deviation from Normal Heating Degree Days: A positive value indicates higher than normal heating requirements for the month as a whole. A negative value indicates lower than normal heating requirements for the month as a whole. Normal HDD may be calculated by subtracting the deviation from observed HDD.

Cooling Degree Days: CDD are calculated each day of the month for which there is a temperature report and summed. They are a proxy measure of how much cooling was required to maintain a comfortable indoor temperature. Missing observations may result in an artificially high or low value. For June, CDD would be calculated as:

$$\sum_{i=1}^{30} ((TMAX_i + TMIN_i)/2)-65$$

Deviation from Normal Cooling Degree Days: A positive value indicates higher than normal cooling requirements for the month as a whole. A negative value indicates lower than normal cooling requirements for the month as a whole. Normal cooling degree days may be found by subtracting the deviation from the observed cooling degree days.

Total Precipitation: Often incorrectly referred to as mean precipitation, this value is the sum of all precipitation reported during the month at a station. If snow occurred, it is to be melted and its water equivalent recorded.

Number of Precipitation Observations: The number of days a rain or no-rain observation was reported. Missing observations frequently result in artificially low total precipitation values.

Deviation from Normal Precipitation: A positive value indicates more rain than normal was received. A negative value indicates less than was expected rainfall was received. Normal rainfall may be calculated by subtracting the deviation from monthly total.

Maximum 24-Hour Report and Day: The maximum amount of precipitation recorded during the station's 24-hour observation period for the current month and year and the day on which it was recorded.

The second set of tables contain similar information but are the average or extreme over all the stations reporting in each climate division.

# OKLAHOMA CITY CLIMATE CALENDAR

## September 1992

The data on this calendar are for Oklahoma City. Normal values are calculated for the period 1961-1990. Extremes are found for the period of record (1891-present).

| Normal 1 | Actual | Normal 2 | Actual | Normal 3 | Actual | Normal 4 | Actual | Normal 5 | Actual | Normal 6 | Actual | Normal 7 | Actual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90.0 max | | 89.0 max | | 90.0 max | | 89.0 max | | 89.0 max | | 89.0 max | | 88.0 max | |
| 66.0 min | | 66.0 min | | 66.0 min | | 66.0 min | | 66.0 min | | 66.0 min | | 66.0 min | |
| .15 ppt | | .12 ppt | | .25 ppt | | .07 ppt | | .05 ppt | | .03 ppt | | .07 ppt | |
| 0 hdd | | 0 hdd | | 0 hdd | | 0 hdd | | 0 hdd | | 0 hdd | | 0 hdd | |
| 13 cdd | | 13 cdd | | 13 cdd | | 13 cdd | | 12 cdd | | 13 cdd | | 12 cdd | |
| Highest Max 105-1951 | | Highest Max 105-1951 | | Highest Max 105-1947 | | Highest Max 106-1947 | | Highest Max 103-1931 | | Highest Max 106-1947 | | Highest Max 102-1936 | |
| Lowest Max 69-1932 | | Lowest Max 68-1967 | | Lowest Max 71-1974 | | Lowest Max 66-1961 | | Lowest Max 64-1962 | | Lowest Max 71-1918 | | Lowest Max 66-1962 | |
| Lowest Min 53-1956 | | Lowest Min 52-1974 | | Lowest Min 47-1974 | | Lowest Min 46-1974 | | Lowest Min 47-1974 | | Lowest Min 51-1974 | | Lowest Min 49-1898 | |
| Highest Min 80-1951 | | Highest Min 78-1961 | | Highest Min 80-1939 | | Highest Min 79-1970 | | Highest Min 77-1939 | | Highest Min 76-1970 | | Highest Min 77-1936 | |
| Greatest ppt 2.53-1974 | | Greatest ppt 4.08-1991 | | Greatest ppt 3.16-1926 | | Greatest ppt 1.74-1940 | | Greatest ppt .85-1991 | | Greatest ppt 2.20-1895 | | Greatest ppt 1.37-1905 | |

| Normal 8 | Actual | Normal 9 | Actual | Normal 10 | Actual | Normal 11 | Actual | Normal 12 | Actual | Normal 13 | Actual | Normal 14 | Actual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 88.0 max | | 88.0 max | | 86.0 max | | 87.0 max | | 85.0 max | | 84.0 max | | 83.0 max | |
| 65.0 min | | 65.0 min | | 64.0 min | | 63.0 min | | 63.0 min | | 62.0 min | | 62.0 min | |
| .03 ppt | | .06 ppt | | .09 ppt | | .04 ppt | | .22 ppt | | .18 ppt | | .20 ppt | |
| 0 hdd | | 0 hdd | | 0 hdd | | 0 hdd | | 0 hdd | | 1 hdd | | 1 hdd | |
| 12 cdd | | 11 cdd | | 10 cdd | | 10 cdd | | 10 cdd | | 9 cdd | | 9 cdd | |
| Highest Max 101-1922 | | Highest Max 99-1970 | | Highest Max 101-1936 | | Highest Max 100-1909 | | Highest Max 102-1930 | | Highest Max 102-1965 | | Highest Max 102-1965 | |
| Lowest Max 75-1957 | | Lowest Max 67-1929 | | Lowest Max 64-1929 | | Lowest Max 60-1898 | | Lowest Max 64-1989 | | Lowest Max 53-1989 | | Lowest Max 58-1975 | |
| Lowest Min 48-1957 | | Lowest Min 51-1962 | | Lowest Min 47-1962 | | Lowest Min 48-1940 | | Lowest Min 45-1898 | | Lowest Min 45-1902 | | Lowest Min 47-1961 | |
| Highest Min 80-1896 | | Highest Min 77-1896 | | Highest Min 77-1938 | | Highest Min 77-1936 | | Highest Min 78-1930 | | Highest Min 78-1978 | | Highest Min 77-1965 | |
| Greatest ppt 2.66-1941 | | Greatest ppt 1.88-1891 | | Greatest ppt 2.40-1925 | | Greatest ppt 2.36-1906 | | Greatest ppt 3.03-1961 | | Greatest ppt 1.88-1985 | | Greatest ppt 3.61-1957 | |

| Normal 15 | Actual | Normal 16 | Actual | Normal 17 | Actual | Normal 18 | Actual | Normal 19 | Actual | Normal 20 | Actual | Normal 21 | Actual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83.0 max | | 84.0 max | | 82.0 max | | 85.0 max | | 84.0 max | | 84.0 max | | 82.0 max | |
| 63.0 min | | 62.0 min | | 62.0 min | | 62.0 min | | 63.0 min | | 61.0 min | | 61.0 min | |
| .12 ppt | | .12 ppt | | .14 ppt | | .09 ppt | | .07 ppt | | .17 ppt | | .14 ppt | |
| 1 hdd | | 1 hdd | | 1 hdd | | 1 hdd | | 0 hdd | | 1 hdd | | 1 hdd | |
| 9 cdd | | 8 cdd | | 8 cdd | | 9 cdd | | 9 cdd | | 8 cdd | | 7 cdd | |
| Highest Max 100-1965 | | Highest Max 101-1978 | | Highest Max 99-1972 | | Highest Max 99-1952 | | Highest Max 98-1954 | | Highest Max 100-1954 | | Highest Max 97-1980 | |
| Lowest Max 57-1903 | | Lowest Max 59-1903 | | Lowest Max 58-1973 | | Lowest Max 53-1971 | | Lowest Max 56-1971 | | Lowest Max 52-1896 | | Lowest Max 61-1934 | |
| Lowest Min 46-1916 | | Lowest Min 44-1903 | | Lowest Min 44-1903 | | Lowest Min 42-1981 | | Lowest Min 44-1971 | | Lowest Min 41-1971 | | Lowest Min 39-1983 | |
| Highest Min 76-1956 | | Highest Min 76-1965 | | Highest Min 78-1978 | | Highest Min 78-1978 | | Highest Min 76-1978 | | Highest Min 76-1954 | | Highest Min 76-1931 | |
| Greatest ppt 2.35-1925 | | Greatest ppt 1.97-1991 | | Greatest ppt 1.42-1936 | | Greatest ppt 3.10-1923 | | Greatest ppt 1.81-1942 | | Greatest ppt 3.82-1990 | | Greatest ppt 2.04-1990 | |

| Normal 22 | Actual | Normal 23 | Actual | Normal 24 | Actual | Normal 25 | Actual | Normal 26 | Actual | Normal 27 | Actual | Normal 28 | Actual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 82.0 max | | 81.0 max | | 80.0 max | | 81.0 max | | 80.0 max | | 81.0 max | | 80.0 max | |
| 60.0 min | | 59.0 min | | 58.0 min | | 59.0 min | | 58.0 min | | 59.0 min | | 58.0 min | |
| .27 ppt | | .06 ppt | | .17 ppt | | .06 ppt | | .15 ppt | | .11 ppt | | .05 ppt | |
| 1 hdd | | 1 hdd | | 2 hdd | | 1 hdd | | 1 hdd | | 2 hdd | | 2 hdd | |
| 7 cdd | | 6 cdd | | 6 cdd | | 6 cdd | | 5 cdd | | 6 cdd | | 6 cdd | |
| Highest Max 95-1956 | | Highest Max 97-1931 | | Highest Max 98-1939 | | Highest Max 97-1939 | | Highest Max 98-1977 | | Highest Max 96-1953 | | Highest Max 104-1953 | |
| Lowest Max 62-1915 | | Lowest Max 58-1925 | | Lowest Max 56-1974 | | Lowest Max 53-1926 | | Lowest Max 46-1926 | | Lowest Max 47-1927 | | Lowest Max 53-1984 | |
| Lowest Min 45-1975 | | Lowest Min 40-1895 | | Lowest Min 36-1989 | | Lowest Min 41-1989 | | Lowest Min 35-1912 | | Lowest Min 38-1942 | | Lowest Min 37-1896 | |
| Highest Min 76-1931 | | Highest Min 75-1931 | | Highest Min 74-1958 | | Highest Min 74-1933 | | Highest Min 72-1923 | | Highest Min 72-1923 | | Highest Min 73-1977 | |
| Greatest ppt 7.53-1970 | | Greatest ppt 1.47-1988 | | Greatest ppt 3.87-1959 | | Greatest ppt 1.41-1893 | | Greatest ppt 1.74-1973 | | Greatest ppt 1.75-1936 | | Greatest ppt 2.88-1945 | |

| Normal 29 | Actual | Normal 30 | Actual |
|---|---|---|---|
| 80.0 max | | 79.0 max | |
| 57.0 min | | 55.0 min | |
| .10 ppt | | .09 ppt | |
| 2 hdd | | 2 hdd | |
| 5 cdd | | 5 cdd | |
| Highest Max 98-1953 | | Highest Max 100-1977 | |
| Lowest Max 47-1945 | | Lowest Max 54-1985 | |
| Lowest Min 39-1916 | | Lowest Min 36-1895 | |
| Highest Min 71-1933 | | Highest Min 72-1977 | |
| Greatest ppt 2.90-1986 | | Greatest ppt 1.79-1986 | |

## SEPTEMBER AVERAGES

| | | |
|---|---|---|
| TEMPERATURE | : | 73.3°F |
| PRECIPITATION | : | 3.47" |
| HEATING DEGREE DAYS | : | 22 |
| COOLING DEGREE DAYS | : | 270 |

TULSA CLIMATE CALENDAR

September 1992

The data on this calendar are for Tulsa. Normal values are calculated for the period 1948-1991. Temperature extremes are for the period 1905-1992; precipitation extremes are for the period 1948-1991.

| Normal 1 | Actual | Normal 2 | Actual | Normal 3 | Actual | Normal 4 | Actual | Normal 5 | Actual | Normal 6 | Actual | Normal 7 | Actual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90.0 max | | 89.0 max | | 89.0 max | | 89.0 max | | 88.0 max | | 89.0 max | | 87.0 max | |
| 67.0 min | | 67.0 min | | 67.0 min | | 67.0 min | | 67.0 min | | 67.0 min | | 67.0 min | |
| .16 ppt | | .18 ppt | | .19 ppt | | .22 ppt | | .10 ppt | | .16 ppt | | .06 ppt | |
| 0 hdd | | 0 hdd | | 0 hdd | | 0 hdd | | 0 hdd | | 0 hdd | | 0 hdd | |
| 14 cdd | | 13 cdd | | 14 cdd | | 14 cdd | | 13 cdd | | 13 cdd | | 12 cdd | |
| Highest Max 105-1985 | | Highest Max 109-1939 | | Highest Max 109-1939 | | Highest Max 107-1947 | | Highest Max 107-1913 | | Highest Max 107-1907 | | Highest Max 105-1936 | |
| Lowest Max 77-1974 | | Lowest Max 68-1974 | | Lowest Max 70-1974 | | Lowest Max 66-1967 | | Lowest Max 70-1962 | | Lowest Max 69-1962 | | Lowest Max 65-1986 | |
| Lowest Min 48-1967 | | Lowest Min 51-1974 | | Lowest Min 47-1934 | | Lowest Min 46-1974 | | Lowest Min 49-1974 | | Lowest Min 52-1974 | | Lowest Min 50-1918 | |
| Highest Min 78-1982 | | Highest Min 78-1985 | | Highest Min 76-1963 | | Highest Min 78-1983 | | Highest Min 79-1985 | | Highest Min 80-1990 | | Highest Min 79-1985 | |
| Greatest ppt 2.24-1974 | | Greatest ppt 2.06-1974 | | Greatest ppt 3.27-1962 | | Greatest ppt 2.80-1971 | | Greatest ppt 1.16-1977 | | Greatest ppt 4.05-1971 | | Greatest ppt 1.30-1962 | |

| Normal 8 | Actual | Normal 9 | Actual | Normal 10 | Actual | Normal 11 | Actual | Normal 12 | Actual | Normal 13 | Actual | Normal 14 | Actual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 88.0 max | | 88.0 max | | 87.0 max | | 87.0 max | | 86.0 max | | 84.0 max | | 84.0 max | |
| 66.0 min | | 65.0 min | | 64.0 min | | 64.0 min | | 63.0 min | | 62.0 min | | 63.0 min | |
| .07 ppt | | .13 ppt | | .03 ppt | | .14 ppt | | .15 ppt | | .16 ppt | | .25 ppt | |
| 0 hdd | | 0 hdd | | 0 hdd | | 0 hdd | | 0 hdd | | 0 hdd | | 1 hdd | |
| 12 cdd | | 12 cdd | | 10 cdd | | 10 cdd | | 10 cdd | | 9 cdd | | 10 cdd | |
| Highest Max 103-1925 | | Highest Max 102-1909 | | Highest Max 105-1936 | | Highest Max 103-1909 | | Highest Max 102-1930 | | Highest Max 103-1965 | | Highest Max 103-1965 | |
| Lowest Max 75-1949 | | Lowest Max 77-1962 | | Lowest Max 75-1989 | | Lowest Max 74-1957 | | Lowest Max 68-1989 | | Lowest Max 55-1989 | | Lowest Max 57-1989 | |
| Lowest Min 50-1956 | | Lowest Min 51-1943 | | Lowest Min 48-1968 | | Lowest Min 45-1940 | | Lowest Min 48-1959 | | Lowest Min 49-1960 | | Lowest Min 46-1961 | |
| Highest Min 78-1983 | | Highest Min 76-1991 | | Highest Min 75-1991 | | Highest Min 77-1983 | | Highest Min 77-1991 | | Highest Min 77-1978 | | Highest Min 77-1956 | |
| Greatest ppt 1.45-1984 | | Greatest ppt 2.67-1951 | | Greatest ppt .74-1958 | | Greatest ppt 1.88-1977 | | Greatest ppt 1.75-1988 | | Greatest ppt 2.03-1961 | | Greatest ppt 2.15-1957 | |

| Normal 15 | Actual | Normal 16 | Actual | Normal 17 | Actual | Normal 18 | Actual | Normal 19 | Actual | Normal 20 | Actual | Normal 21 | Actual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83.0 max | | 84.0 max | | 83.0 max | | 85.0 max | | 85.0 max | | 85.0 max | | 82.0 max | |
| 62.0 min | | 63.0 min | | 63.0 min | | 62.0 min | | 64.0 min | | 62.0 min | | 61.0 min | |
| .25 ppt | | .25 ppt | | .09 ppt | | .11 ppt | | .20 ppt | | .07 ppt | | .07 ppt | |
| 1 hdd | | 0 hdd | | 1 hdd | | 1 hdd | | 0 hdd | | 0 hdd | | 1 hdd | |
| 8 cdd | | 9 cdd | | 9 cdd | | 9 cdd | | 10 cdd | | 9 cdd | | 8 cdd | |
| Highest Max 103-1956 | | Highest Max 103-1956 | | Highest Max 104-1931 | | Highest Max 100-1952 | | Highest Max 100-1954 | | Highest Max 102-1954 | | Highest Max 98-1980 | |
| Lowest Max 60-1949 | | Lowest Max 67-1966 | | Lowest Max 61-1971 | | Lowest Max 56-1971 | | Lowest Max 58-1971 | | Lowest Max 65-1991 | | Lowest Max 62-1975 | |
| Lowest Min 46-1961 | | Lowest Min 45-1934 | | Lowest Min 44-1981 | | Lowest Min 42-1981 | | Lowest Min 45-1991 | | Lowest Min 39-1938 | | Lowest Min 38-1918 | |
| Highest Min 79-1956 | | Highest Min 77-1956 | | Highest Min 79-1978 | | Highest Min 80-1978 | | Highest Min 79-1954 | | Highest Min 76-1954 | | Highest Min 78-1980 | |
| Greatest ppt 2.87-1962 | | Greatest ppt 5.78-1971 | | Greatest ppt 1.32-1971 | | Greatest ppt 2.39-1971 | | Greatest ppt 4.30-1974 | | Greatest ppt 1.05-1990 | | Greatest ppt 1.56-1965 | |

| Normal 22 | Actual | Normal 23 | Actual | Normal 24 | Actual | Normal 25 | Actual | Normal 26 | Actual | Normal 27 | Actual | Normal 28 | Actual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 82.0 max | | 82.0 max | | 81.0 max | | 81.0 max | | 82.0 max | | 80.0 max | | 80.0 max | |
| 60.0 min | | 59.0 min | | 59.0 min | | 60.0 min | | 59.0 min | | 59.0 min | | 58.0 min | |
| .16 ppt | | .13 ppt | | .14 ppt | | .11 ppt | | .14 ppt | | .10 ppt | | .03 ppt | |
| 1 hdd | | 1 hdd | | 1 hdd | | 1 hdd | | 1 hdd | | 1 hdd | | 2 hdd | |
| 7 cdd | | 6 cdd | | 6 cdd | | 6 cdd | | 7 cdd | | 6 cdd | | 6 cdd | |
| Highest Max 99-1921 | | Highest Max 101-1931 | | Highest Max 99-1931 | | Highest Max 99-1939 | | Highest Max 96-1938 | | Highest Max 96-1954 | | Highest Max 102-1953 | |
| Lowest Max 61-1989 | | Lowest Max 63-1974 | | Lowest Max 58-1974 | | Lowest Max 66-1962 | | Lowest Max 57-1984 | | Lowest Max 54-1984 | | Lowest Max 55-1984 | |
| Lowest Min 44-1918 | | Lowest Min 44-1989 | | Lowest Min 37-1989 | | Lowest Min 43-1926 | | Lowest Min 37-1912 | | Lowest Min 35-1942 | | Lowest Min 38-1908 | |
| Highest Min 73-1980 | | Highest Min 73-1986 | | Highest Min 76-1958 | | Highest Min 75-1986 | | Highest Min 73-1981 | | Highest Min 73-1977 | | Highest Min 73-1986 | |
| Greatest ppt 3.78-1970 | | Greatest ppt 1.90-1968 | | Greatest ppt 1.84-1959 | | Greatest ppt 2.07-1959 | | Greatest ppt 1.70-1973 | | Greatest ppt 1.09-1961 | | Greatest ppt .58-1987 | |

| Normal 29 | Actual | Normal 30 | Actual |
|---|---|---|---|
| 80.0 max | | 79.0 max | |
| 57.0 min | | 55.0 min | |
| .16 ppt | | .09 ppt | |
| 2 hdd | | 2 hdd | |
| 6 cdd | | 5 cdd | |
| Highest Max 98-1953 | | Highest Max 99-1979 | |
| Lowest Max 57-1984 | | Lowest Max 59-1959 | |
| Lowest Min 37-1916 | | Lowest Min 35-1984 | |
| Highest Min 73-1955 | | Highest Min 72-1977 | |
| Greatest ppt 4.45-1986 | | Greatest ppt 1.85-1959 | |

## SEPTEMBER AVERAGES

| | | |
|---|---|---|
| TEMPERATURE | : | 73.6°F |
| PRECIPITATION | : | 4.10" |
| HEATING DEGREE DAYS | : | 17 |
| COOLING DEGREE DAYS | : | 283 |