# OKLAHOMA
# MONTHLY SUMMARY
# DECEMBER 1992

**TABLE OF CONTENTS**

## DECEMBER 1992 OKLAHOMA SUMMARY

Wintry weather held its icy grip on Oklahoma during much of December. Snow and ice continued to plague northwest Oklahoma as heavy rains produced widespread flooding across the rest of the state. Precipitation was reported in the state on every day except the 2nd. Two-thirds of the state reported more than twice the normal December precipitation, and all areas of the state were significantly above normal.

Preliminary data show a statewide-average of 3.83 inches of precipitation fell in Oklahoma. This total is 2.17 inches above normal and makes the month the 9th wettest December on record. The annual total stands at 41.70 inches, which is 7.46 inches above normal and the 11th wettest year on record.

Most of the state enjoyed above-normal temperatures during December, but the snow-covered northwest remained cool. Temperatures in the northwest (Climate Division 1) were 3.0 degrees below normal while south central Oklahoma (Climate Division 8) was 2.0 degrees above normal. The statewide-averaged temperature was 40.2 degrees, which is 0.7 degrees above normal. Preliminary figures place 1992's average annual temperature at 60.2 degrees, which is only 0.1 degree below normal and the 43rd coolest on record.

Cool weather prevailed during the early days of the month, with maximum temperatures in northwest Oklahoma remaining in the 20s and minimum temperatures dipping as low as 2 degrees at Hooker on the 6th. The cool weather statewide set conditions for a snow and ice storm which hit nearly all parts of the state on the 5th. Snowfall totals of up to 7 inches were reported near Fairview and 4-5 inches fell across the Panhandle. Roadways in other parts of the state were covered with ice. The storm was responsible for numerous traffic accidents and forced postponement of most of the state high school football playoffs.

A wet pattern became established across the state, with over an inch of precipitation reported daily from the 8th through the 16th. The heaviest precipitation came with a slow-moving low-pressure system which began affecting the state on the 12th. From the 13th through the 15th daily precipitation totals exceeded three inches in southern and eastern Oklahoma, including totals of 4.30 inches at Broken Bow on the 14th and 4.50 inches at Allen on the 15th. Creeks and rivers escaped their banks across much of the state, forcing closing of numerous highways and county roads. Reservoirs in northeast Oklahoma approached capacity levels, with Grand Lake reaching its highest level in seven years.

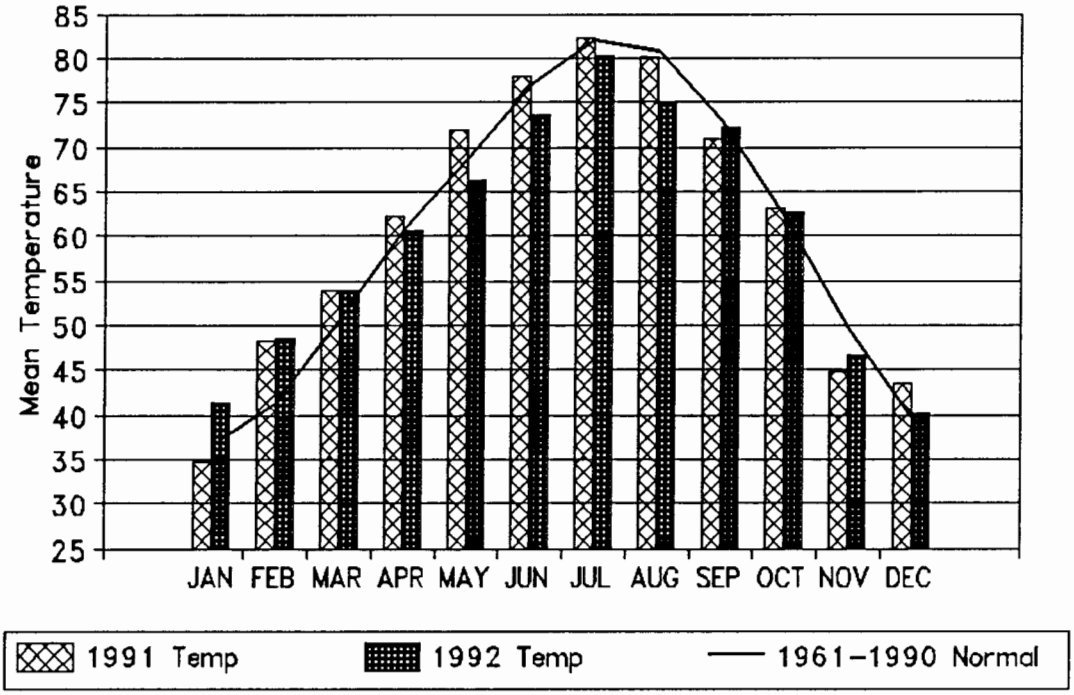
A cold front, which finally cleared the state on the 16th, ended the heavy precipitation but sent temperatures downward. Roadways, wet from the recent rains, froze as the cold air settled in. Snow also fell across northeast Oklahoma on the 15th. Temperatures again dipped to single-digit readings across the Panhandle from the 15th through the 18th. Cold air moved as far south as the Gulf of Mexico, cutting off the moisture supply which had been responsible for much of the heavy precipitation.

The cool air remained entrenched until the 28th, when warm air began surging northward again. The warm, moist air interacted with the cooler air over Oklahoma, forming thick fog which stranded travellers returning from Christmas weekend visits. Long delays were reported at both the Oklahoma City and Tulsa airports as fog reduced visibility and forced the cancellation of flights.

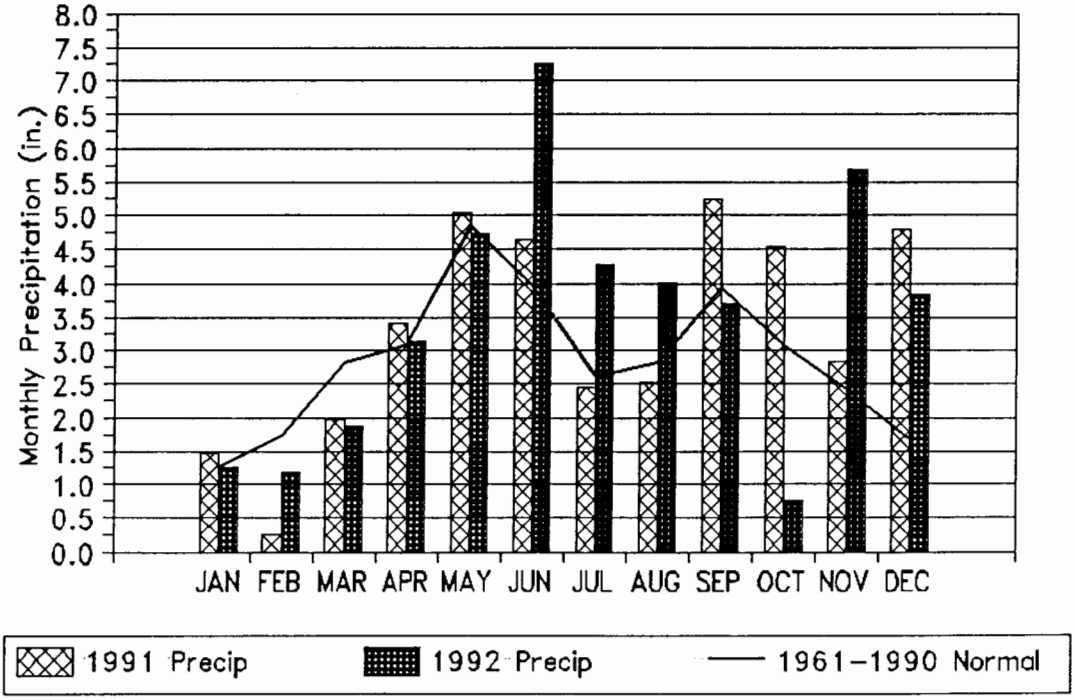
As the warm air continued to push northward, temperatures climbed into the 70s across central and eastern Oklahoma, reaching as high as 76 degrees at Walters on the 29th, Madill on the 30th and Waurika on the 31st. The warmth was short-lived as cold Canadian air moved southward. Temperatures dropped as much as 40 degrees overnight, replacing maximum temperatures in the 70s with readings in the 30s on the 31st and putting a chill on New Year's Eve celebrations.

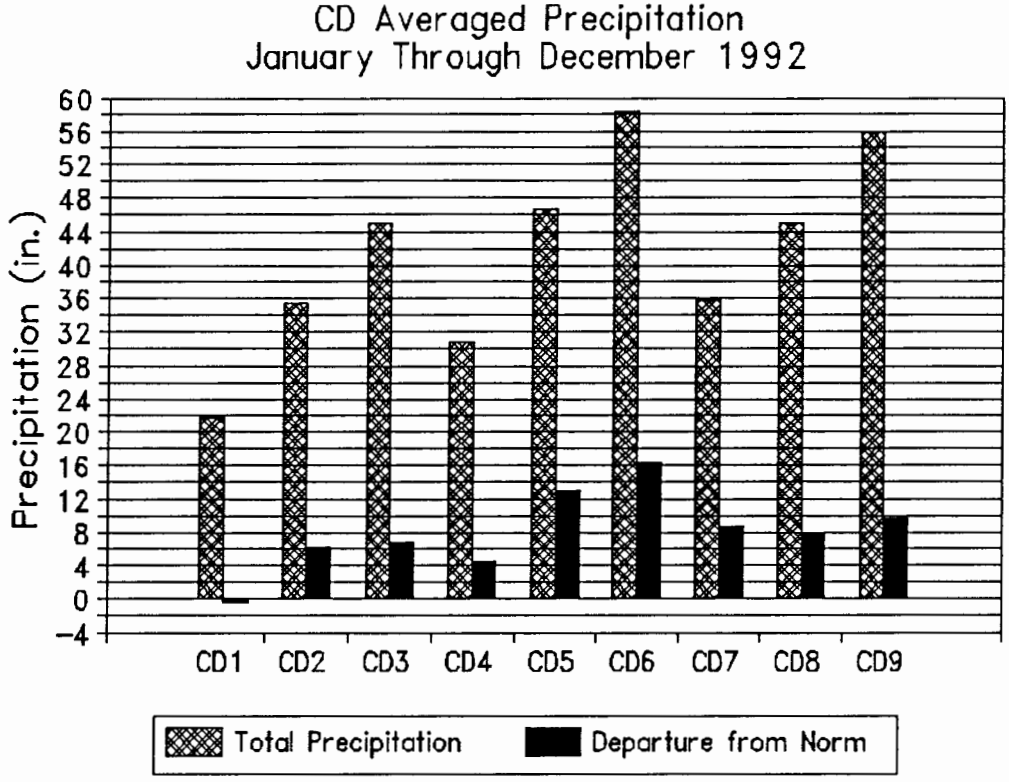
- Mark A. Shafer

1991 and 1992 STATEWIDE TEMPERATURES
January Through December Averages

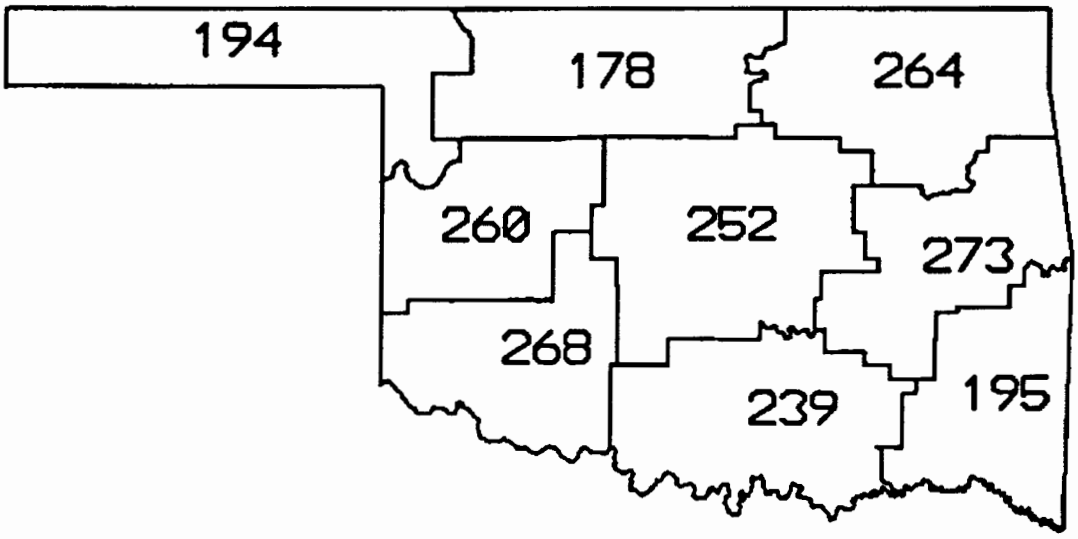



1991 and 1992 STATEWIDE PRECIPITATION
January Through December Totals






CLIMATE DIVISION PERCENT OF NORMAL PRECIPITATION




DECEMBER 1992

## DECEMBER 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 | 33.0 | 31 | -2.4 | 71. | 31 | 10. | 31 | 991.0 | 73.0 | .0 | .0 | 1.610 | 31 | .84 | .57 | 13 |
| BEAVER | 593 | 1 | 30.1 | 31 | -3.9 | 67. | 31 | 3. | 15 | 1080.5 | 119.5 | .0 | .0 | 1.131 | 31 | .54 | .34 | 13 |
| BOISE CITY 2 E | 908 | 1 | 35.5 | 31 | -.2 | 67. | 30 | 7. | 15 | 916.0 | 8.0 | .0 | .0 | .382 | 31 | .00 | .30 | 5 |
| BUFFALO | 1243 | 1 | 34.5 | 31 | -2.6 | 58. | 11 | 8. | 7 | 947.0 | 82.0 | .0 | .0 | 1.300 | 31 | .50 | .40 | 14 |
| FARGO | 3070 | 1 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.590 | 31 | .82 | .61 | 13 |
| GAGE FAA APT | 3407 | 1 | 34.6 | 31 | -2.1 | 73. | 30 | 8. | 7 | 941.5 | 64.5 | .0 | .0 | 1.564 | 31 | .90 | .53 | 13 |
| GATE | 3489 | 1 | 31.7 | 31 | -3.3 | 66. | 31 | 9. | 15 | 1031.5 | 101.5 | .0 | .0 | 1.484 | 30 | ***** | .62 | 14 |
| GOODWELL RES ST | 3628 | 1 | 31.6 | 31 | -2.3 | 67. | 31 | 2. | 15 | 1035.5 | 71.5 | .0 | .0 | .110 | 31 | -.17 | .06 | 14 |
| GUYMON | 3835 | 1 | 34.4 | 26 | ***** | 69. | 30 | 7. | 17 | 794.5 | ****** | .0 | ****** | .241 | 27 | ***** | .20 | 14 |
| HOOKER | 4298 | 1 | 31.0 | 31 | -4.0 | 67. | 31 | 2. | 6 | 1055.5 | 125.5 | .0 | .0 | .632 | 31 | .22 | .37 | 5 |
| KENTON | 4766 | 1 | 35.1 | 31 | 1.4 | 69. | 31 | 7. | 15 | 928.0 | -42.0 | .0 | .0 | .001 | 31 | -.30 | .00 | 5 |
| LAVERNE | 5045 | 1 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.331 | 31 | .60 | .48 | 13 |
| OPTIMA LAKE | 6740 | 1 | 30.7 | 31 | ***** | 70. | 31 | 1. | 15 | 1063.0 | ****** | .0 | ****** | .820 | 28 | ***** | .47 | 6 |
| REGNIER | 7534 | 1 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | .342 | 30 | ***** | .29 | 5 |
| TURPIN 4 SSE | 9017 | 1 | 29.9 | 30 | ***** | 67. | 31 | 3. | 15 | 1052.5 | ****** | .0 | ****** | 1.020 | 30 | ***** | .53 | 14 |

## DECEMBER 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 | 36.4 | 31 | ***** | 61. | 30 | 15. | 31 | 887.5 | ****** | .0 | ****** | .870 | 31 | ***** | .48 | 13 |
| VANCE AFB | 302 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.905 | 31 | ***** | 1.39 | 14 |
| BILLINGS | 755 | 2 | 36.2 | 31 | .2 | 68. | 31 | 14. | 31 | 893.0 | -6.0 | .0 | .0 | 2.321 | 31 | .95 | 1.38 | 14 |
| BLACKWELL 2E | 818 | 2 | 37.3 | 31 | .8 | 67. | 30 | 13. | 31 | 860.0 | -24.0 | .0 | .0 | 1.562 | 31 | .21 | .97 | 14 |
| BRAMAN | 1075 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.382 | 31 | ***** | .97 | 14 |
| CEDARDALE | 1620 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.204 | 31 | ***** | .81 | 14 |
| CHEROKEE | 1724 | 2 | 36.9 | 31 | -.4 | 62. | 30 | 13. | 31 | 872.0 | 13.0 | .0 | .0 | 2.150 | 31 | 1.02 | 1.15 | 13 |
| ENID | 2912 | 2 | 37.5 | 31 | -.5 | 67. | 30 | 12. | 31 | 852.0 | 15.0 | .0 | .0 | 1.710 | 31 | .57 | .97 | 14 |
| FT SUPPLY DAM | 3304 | 2 | 33.2 | 31 | -1.5 | 73. | 31 | 9. | 7 | 987.0 | 48.0 | .0 | .0 | 1.602 | 31 | .88 | .80 | 13 |
| FREEDOM | 3358 | 2 | 32.8 | 31 | -3.6 | 72. | 31 | 9. | 8 | 998.5 | 111.5 | .0 | .0 | 1.410 | 31 | .60 | .54 | 14 |
| GREAT SALT PLNS | 3740 | 2 | 35.8 | 31 | .2 | 64. | 31 | 13. | 31 | 906.0 | -5.0 | .0 | .0 | 1.572 | 26 | ***** | .55 | 14 |
| HARDY | 3909 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.043 | 31 | ***** | .80 | 13 |
| HELENA 1 SSE | 4019 | 2 | 35.4 | 31 | .3 | 65. | 31 | 13. | 31 | 918.5 | -8.5 | .0 | .0 | 1.941 | 31 | .96 | .90 | 14 |
| JEFFERSON | 4573 | 2 | 38.1 | 31 | 1.1 | 67. | 30 | 14. | 31 | 833.5 | -34.5 | .0 | .0 | 1.712 | 31 | .52 | .94 | 13 |
| LAMONT | 5013 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.761 | 31 | ***** | 1.12 | 14 |
| MEDFORD | 5768 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.970 | 31 | ***** | .92 | 13 |
| MORRISON | 6065 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.150 | 31 | ***** | 1.25 | 14 |
| MUTUAL | 6139 | 2 | 34.8 | 31 | -.7 | 71. | 31 | 9. | 7 | 936.5 | 21.5 | .0 | .0 | 1.950 | 31 | 1.21 | .68 | 13 |
| NEWKIRK | 6278 | 2 | 37.6 | 31 | 1.0 | 67. | 30 | 12. | 31 | 849.5 | -30.5 | .0 | .0 | 1.711 | 31 | .28 | .92 | 14 |
| ORIENTA | 6751 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.790 | 31 | .98 | .76 | 14 |
| PERRY | 7012 | 2 | 40.4 | 31 | 1.6 | 71. | 30 | 15. | 31 | 762.5 | -49.5 | .0 | .0 | 2.070 | 31 | .74 | 1.13 | 14 |
| PONCA CITY FAA | 7201 | 2 | 39.2 | 30 | 3.4 | 70. | 30 | 14. | 31 | 775.0 | -130.0 | .0 | .0 | 1.934 | 30 | ***** | .97 | 14 |
| RED ROCK 1 NNE | 7505 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.151 | 31 | .81 | 1.15 | 14 |
| WAYNOKA | 9404 | 2 | 35.2 | 31 | -2.0 | 72. | 30 | 12. | 31 | 924.0 | 62.0 | .0 | .0 | 2.130 | 31 | 1.23 | .64 | 12 |
| WOODWARD | 9760 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.350 | 31 | .51 | .45 | 13 |

## DECEMBER 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 | 39.2 | 31 | 1.1 | 71. | 30 | 13. | 26 | 800.0 | -34.0 | .0 | .0 | 4.724 | 31 | 2.82 | 1.63 | 14 |
| BARTLESVILLE 2W | 548 | 3 | 39.9 | 31 | 1.8 | 72. | 30 | 13. | 26 | 778.0 | -56.0 | .0 | .0 | 5.025 | 31 | 3.39 | 1.51 | 14 |
| BIXBY | 782 | 3 | 39.1 | 31 | .9 | 71. | 31 | 18. | 27 | 802.5 | -28.5 | 1.0 | 1.0 | 4.850 | 31 | 2.89 | 1.98 | 14 |
| BURBANK | 1256 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.643 | 31 | 1.14 | 1.00 | 14 |
| CHELSEA 4 S | 1717 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.230 | 31 | ***** | 3.32 | 14 |
| CLAREMORE | 1828 | 3 | 38.7 | 31 | 1.3 | 73. | 31 | 17. | 27 | 814.0 | -42.0 | .0 | .0 | 6.910 | 31 | 4.73 | 2.80 | 14 |
| CLEVELAND 5 WSW | 1902 | 3 | 42.4 | 27 | ***** | 71. | 30 | 15. | 31 | 612.0 | ****** | 3.0 | ****** | 3.960 | 30 | ***** | 1.54 | 14 |
| FORAKER | 3250 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.960 | 31 | 1.46 | 1.10 | 14 |
| HOLLOW | 4258 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.452 | 31 | 4.42 | 3.65 | 14 |
| HOMINY | 4289 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.931 | 31 | 2.36 | 1.27 | 14 |
| HULAH DAM | 4393 | 3 | 38.0 | 21 | ***** | 72. | 31 | 12. | 28 | 566.0 | ****** | .0 | ****** | 3.922 | 29 | ***** | 1.69 | 14 |
| JAY TOWER | 4567 | 3 | 38.5 | 31 | ***** | 68. | 30 | 16. | 25 | 821.0 | ****** | .0 | ****** | 8.580 | 31 | ***** | 2.30 | 14 |
| KANSAS 1 ESE | 4672 | 3 | 40.7 | 31 | 1.2 | 66. | 30 | 17. | 31 | 753.5 | -37.5 | .0 | .0 | 7.475 | 31 | 4.27 | 3.00 | 14 |
| KEYSTONE DAM | 4812 | 3 | 39.3 | 28 | ***** | 70. | 31 | 14. | 26 | 719.0 | ****** | .0 | ****** | 5.291 | 28 | ***** | 1.20 | 13 |
| LENAPAH | 5118 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.900 | 30 | ***** | 1.74 | 14 |
| MANNFORD 6 NW | 5522 | 3 | 40.5 | 31 | 1.6 | 71. | 30 | 14. | 26 | 760.5 | -48.5 | 2.5 | 2.5 | 4.440 | 31 | 2.65 | 1.31 | 14 |
| MARAMEC | 5540 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.731 | 31 | 2.25 | 1.54 | 14 |
| MIAMI | 5855 | 3 | 40.9 | 31 | 4.3 | 84. | 2 | 16. | 31 | 747.0 | -133.0 | .5 | .5 | 7.270 | 31 | 4.81 | 3.63 | 14 |
| NOWATA | 6485 | 3 | 39.2 | 31 | 1.2 | 71. | 30 | 14. | 31 | 799.5 | -37.5 | .0 | .0 | 4.220 | 31 | 2.20 | 2.10 | 14 |
| ONETA 1 WNW | 6713 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.030 | 31 | ***** | 2.08 | 14 |
| PAWHUSKA | 6935 | 3 | 39.5 | 31 | 1.9 | 71. | 30 | 12. | 26 | 794.0 | -55.0 | 2.5 | 2.5 | 3.900 | 31 | 2.23 | 1.31 | 14 |
| PAWNEE | 6940 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.930 | 31 | 1.40 | 1.00 | 14 |
| PRYOR 6 N | 7309 | 3 | 37.6 | 20 | ***** | 70. | 31 | 17. | 27 | 547.5 | ****** | .0 | ****** | .484 | 21 | ***** | .33 | 25 |
| RALSTON | 7390 | 3 | 40.1 | 31 | 2.2 | 72. | 30 | 14. | 31 | 770.5 | -69.5 | .0 | .0 | 2.521 | 31 | .96 | 1.45 | 14 |
| RAMONA 4 N | 7394 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.432 | 31 | ***** | 2.50 | 11 |
| SKIATOOK | 8258 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.440 | 31 | 2.78 | 2.06 | 14 |
| SPAVINAW | 8380 | 3 | 42.5 | 31 | 2.1 | 70. | 30 | 18. | 31 | 699.0 | -64.0 | 2.5 | 2.5 | 7.942 | 31 | 5.44 | 3.85 | 14 |
| TULSA WSO APT | 8992 | 3 | 39.6 | 31 | .7 | 71. | 30 | 16. | 24 | 789.5 | -19.5 | 2.5 | 2.5 | 5.111 | 31 | 2.95 | 2.04 | 14 |
| UPPER SPAVINAW | 9101 | 3 | 41.4 | 26 | ***** | 70. | 29 | 22. | 26 | 614.0 | ****** | 1.0 | ****** | 8.144 | 29 | ***** | 4.00 | 14 |
| VINITA 2 N | 9203 | 3 | 40.3 | 31 | 2.8 | 69. | 30 | 15. | 26 | 767.5 | -85.5 | 2.0 | 2.0 | 7.160 | 31 | 4.63 | 3.64 | 14 |
| WAGONER | 9247 | 3 | 41.9 | 31 | 1.3 | 72. | 30 | 18. | 31 | 720.5 | -35.5 | 3.0 | 3.0 | 7.172 | 31 | 4.73 | 3.88 | 14 |
| WANN | 9298 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.440 | 31 | ***** | 1.57 | 14 |
| WYNONA | 9792 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.811 | 31 | ***** | 1.34 | 6 |

## DECEMBER 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 | 36.4 | 31 | .2 | 70. | 30 | 13. | 31 | 886.0 | -7.0 | .0 | .0 | 2.021 | 29 | ***** | 1.37 | 14 |
| CHEYENNE | 1738 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | .480 | 31 | -.16 | .48 | 8 |
| CLINTON | 1909 | 4 | 40.1 | 31 | .8 | 69. | 30 | 15. | 31 | 771.5 | -25.5 | .0 | .0 | 2.690 | 31 | 1.70 | 1.00 | 14 |
| COLONY | 2039 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.731 | 31 | ***** | 1.50 | 14 |
| CORDELL | 2125 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.413 | 31 | 1.51 | .87 | 14 |
| ELK CITY 1 E | 2849 | 4 | 39.7 | 27 | ***** | 67. | 30 | 14. | 31 | 684.0 | ****** | .0 | ****** | 1.070 | 27 | ***** | .43 | 13 |
| ERICK 4 E | 2944 | 4 | 39.4 | 31 | .4 | 71. | 30 | 16. | 24 | 794.0 | -12.0 | .0 | .0 | 1.041 | 31 | .33 | .37 | 14 |
| GEARY | 3497 | 4 | 41.4 | 31 | 3.0 | 70. | 29 | 18. | 31 | 731.5 | -93.5 | .0 | .0 | 2.960 | 30 | ***** | 1.18 | 14 |
| HAMMON 1 NNE | 3871 | 4 | 34.6 | 31 | -1.6 | 72. | 31 | 13. | 8 | 942.5 | 49.5 | .0 | .0 | 1.530 | 31 | .77 | .55 | 13 |
| LEEDEY | 5090 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.830 | 31 | 2.19 | .87 | 1 |
| MACKIE 4 NNW | 5463 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.400 | 31 | ***** | .52 | 13 |
| MORAVIA 2 NNE | 6035 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.051 | 31 | .23 | .29 | 13 |
| OKEENE | 6629 | 4 | 38.4 | 31 | -.5 | 69. | 29 | 13. | 31 | 826.0 | 17.0 | .0 | .0 | 1.810 | 31 | .76 | 1.25 | 14 |
| RETROP | 7565 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.780 | 31 | ***** | .67 | 14 |
| REYDON | 7579 | 4 | 40.8 | 23 | ***** | 74. | 30 | 14. | 15 | 555.5 | ****** | .0 | ****** | .680 | 24 | ***** | .64 | 14 |
| SAYRE | 7952 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | .970 | 31 | .38 | .27 | 14 |
| SWEETWATER 2 E | 8652 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.870 | 31 | ***** | .82 | 8 |
| TALOGA | 8708 | 4 | 37.1 | 31 | -.2 | 70. | 30 | 10. | 7 | 866.0 | 7.0 | .0 | .0 | 2.381 | 31 | 1.70 | .80 | 14 |
| THOMAS | 8815 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.400 | 31 | ***** | .60 | 14 |
| VICI | 9172 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.701 | 31 | 1.84 | .93 | 14 |
| WATONGA | 9364 | 4 | 39.3 | 31 | 1.2 | 69. | 30 | 14. | 31 | 797.5 | -36.5 | .0 | .0 | 2.653 | 31 | 1.59 | 1.22 | 14 |
| WEATHERFORD | 9422 | 4 | 39.0 | 31 | 1.9 | 69. | 30 | 14. | 31 | 806.5 | -58.5 | .0 | .0 | 3.051 | 31 | 2.16 | 1.08 | 14 |

## DECEMBER 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 | ****** | ****** | ****** | ****** | 3.460 | 31 | ***** | 1.44 | 14 |
| ARCADIA | 288 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.870 | 31 | ***** | 1.27 | 12 |
| TINKER AFB | 325 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.853 | 30 | ***** | 1.14 | 14 |
| BLANCHARD 2 SSW | 830 | 5 | 42.7 | 31 | 1.4 | 73. | 30 | 17. | 31 | 693.0 | -42.0 | 3.0 | 3.0 | 3.074 | 31 | 1.48 | 1.24 | 14 |
| BRISTOW | 1144 | 5 | 41.2 | 31 | 1.1 | 70. | 31 | 14. | 26 | 740.5 | -31.5 | 2.5 | 2.5 | 4.482 | 31 | 2.41 | 1.85 | 14 |
| CHANDLER | 1684 | 5 | 42.2 | 31 | 1.8 | 72. | 30 | 16. | 24 | 710.0 | -53.0 | 3.5 | 3.5 | 4.210 | 31 | 2.68 | 2.00 | 14 |
| CHICKASHA EX ST | 1750 | 5 | 40.6 | 31 | .1 | 72. | 30 | 17. | 31 | 756.5 | -3.5 | 1.5 | 1.5 | 3.841 | 31 | 2.58 | 1.72 | 14 |
| COX CITY 1 E | 2196 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.610 | 31 | ***** | 1.79 | 14 |
| CRESCENT | 2242 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.150 | 31 | ***** | 1.30 | 14 |
| CUSHING | 2318 | 5 | 39.2 | 31 | 1.0 | 70. | 31 | 16. | 31 | 801.5 | -29.5 | 1.0 | 1.0 | 3.060 | 29 | ***** | 1.11 | 14 |
| EL RENO 1 N | 2818 | 5 | 40.5 | 31 | 1.7 | 70. | 29 | 15. | 31 | 758.5 | -53.5 | .0 | .0 | 3.040 | 31 | 2.00 | 1.56 | 14 |
| GUTHRIE | 3821 | 5 | 42.0 | 31 | 2.1 | 74. | 29 | 16. | 31 | 713.5 | -64.5 | .0 | .0 | 4.501 | 31 | 3.00 | 1.50 | 14 |
| HENNESSEY 2 SE | 4055 | 5 | 38.3 | 31 | .2 | 68. | 30 | 13. | 7 | 827.0 | -7.0 | .0 | .0 | 2.430 | 31 | 1.39 | 1.08 | 14 |
| INGALLS | 4489 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.501 | 31 | ***** | 1.18 | 14 |
| KINGFISHER 2 SE | 4861 | 5 | 40.0 | 31 | .9 | 72. | 30 | 15. | 31 | 776.0 | -27.0 | .0 | .0 | 2.660 | 31 | 1.47 | 1.24 | 14 |
| KONAWA | 4915 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.924 | 31 | 3.04 | 2.75 | 14 |
| MARSHALL | 5589 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.350 | 31 | 1.20 | 1.05 | 14 |
| MEEKER 4 W | 5779 | 5 | 41.5 | 31 | 1.3 | 71. | 30 | 15. | 26 | 729.5 | -39.5 | 2.5 | 2.5 | 3.851 | 31 | 2.43 | 1.75 | 13 |
| MULHALL | 6110 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.480 | 31 | ***** | 1.11 | 14 |
| NORMAN 3 S | 6386 | 5 | 41.4 | 31 | .4 | 74. | 30 | 17. | 26 | 733.0 | -11.0 | 2.0 | 2.0 | 3.421 | 31 | 1.84 | 1.45 | 14 |
| OILTON 2 SE | 6616 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.010 | 31 | ***** | 1.40 | 13 |
| OKEMAH | 6638 | 5 | 42.2 | 31 | 1.4 | 71. | 30 | 18. | 31 | 710.0 | -40.0 | 3.0 | 3.0 | 6.130 | 31 | 4.13 | 2.65 | 14 |
| OKLAHOMA CTY WS | 6661 | 5 | 39.8 | 31 | .5 | 72. | 29 | 16. | 31 | 781.5 | -15.5 | 1.0 | 1.0 | 3.084 | 31 | 1.68 | .94 | 13 |
| PERKINS | 7003 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.580 | 31 | 2.05 | 1.32 | 14 |
| PIEDMONT | 7068 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.600 | 31 | ***** | 1.25 | 14 |
| PRAGUE | 7264 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.522 | 31 | 3.70 | 2.45 | 14 |
| PURCELL 5 SW | 7327 | 5 | 42.9 | 31 | 2.4 | 72. | 30 | 17. | 26 | 689.0 | -71.0 | 2.5 | 2.5 | 4.900 | 31 | 3.07 | 1.85 | 9 |
| SEMINOLE | 8042 | 5 | 43.3 | 31 | 1.3 | 72. | 30 | 18. | 31 | 675.0 | -38.0 | 3.5 | 3.5 | 5.771 | 31 | 3.95 | 2.73 | 14 |
| SHAWNEE | 8110 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.612 | 31 | 2.73 | 2.32 | 14 |
| STELLA | 8479 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.030 | 31 | ***** | 1.69 | 14 |
| STILLWATER 2 W | 8501 | 5 | 41.5 | 31 | 4.1 | 74. | 30 | 15. | 31 | 732.0 | -124.0 | 2.0 | 2.0 | 3.491 | 31 | 2.19 | 1.43 | 14 |
| STROUD 1 N | 8563 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.122 | 31 | ***** | 1.75 | 14 |
| TECUMSEH | 8751 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.520 | 29 | ***** | 2.10 | 14 |
| TROUSDALE | 8960 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.980 | 31 | ***** | 2.14 | 14 |
| UNION CITY 1 SE | 9086 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.100 | 31 | 1.75 | 1.43 | 14 |
| WELTY 1 SSE | 9479 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.854 | 31 | ***** | 2.10 | 14 |
| WEWOKA | 9575 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.540 | 31 | 4.64 | 3.65 | 14 |

## APRIL 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 | ****** | ****** | ****** | ****** | 6.742 | 31 | ***** | 2.90 | 14 |
| BEGGS | 631 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.963 | 31 | ***** | 2.82 | 14 |
| BOYNTON | 1027 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.232 | 31 | ***** | 3.20 | 14 |
| CALVIN | 1391 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.065 | 31 | 4.87 | 3.52 | 14 |
| CHECOTAH | 1711 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.181 | 31 | 4.73 | 3.65 | 14 |
| CLAYTON 15 WNW | 1858 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.862 | 31 | ***** | 2.91 | 14 |
| DEWAR 2 NE | 2485 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.070 | 31 | 3.98 | 2.43 | 14 |
| DUSTIN | 2690 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.810 | 31 | ***** | 2.53 | 14 |
| EUFAULA | 2993 | 6 | 44.2 | 27 | ***** | 71. | 31 | 22. | 31 | 564.0 | ****** | 2.5 | ****** | 1.954 | 26 | ***** | .87 | 9 |
| HANNA | 3884 | 6 | 42.2 | 31 | .7 | 72. | 30 | 19. | 26 | 710.5 | -18.5 | 3.5 | 3.5 | 6.562 | 31 | 4.12 | 2.76 | 14 |
| HARTSHORNE | 3946 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.120 | 31 | ***** | 2.88 | 14 |
| HASKELL | 3956 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.502 | 31 | 4.22 | 3.08 | 14 |
| HOLDENVILLE | 4235 | 6 | 41.5 | 31 | -.3 | 71. | 30 | 19. | 31 | 730.5 | 11.5 | 2.5 | 2.5 | 6.531 | 31 | 4.58 | 3.16 | 14 |
| LAKE EUFAULA | 4975 | 6 | 42.5 | 31 | ***** | 73. | 31 | 22. | 26 | 697.0 | ****** | .5 | ****** | 8.133 | 31 | ***** | 3.30 | 14 |
| LYONS 2 N | 5437 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.671 | 31 | 3.92 | 2.18 | 14 |
| MARBLE CITY | 5546 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.774 | 31 | ***** | 2.11 | 15 |
| MCALESTER FAA | 5664 | 6 | 44.7 | 31 | 3.5 | 74. | 30 | 24. | 31 | 634.5 | -103.5 | 5.0 | 5.0 | 7.385 | 31 | 4.76 | 2.99 | 14 |
| MCCURTAIN 1 SE | 5693 | 6 | 43.9 | 31 | 1.4 | 72. | 30 | 21. | 31 | 657.0 | -41.0 | 3.5 | 3.5 | 7.666 | 31 | 4.85 | 2.65 | 15 |
| MUSKOGEE | 6130 | 6 | 41.6 | 31 | 1.0 | 70. | 30 | 18. | 31 | 726.5 | -29.5 | 2.0 | 2.0 | 7.240 | 31 | 4.34 | 3.34 | 13 |
| OKMULGEE W W | 6670 | 6 | 40.6 | 29 | ***** | 71. | 31 | 18. | 27 | 711.0 | ****** | 2.0 | ****** | 6.041 | 29 | ***** | 2.50 | 14 |
| OKTAHA 2 NE | 6678 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.500 | 31 | ***** | 3.96 | 14 |
| QUINTON | 7372 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.982 | 31 | 4.34 | 2.50 | 14 |
| SALLISAW 2 NE | 7862 | 6 | 41.3 | 31 | .0 | 73. | 30 | 20. | 1 | 737.0 | 2.0 | 3.0 | 3.0 | 6.481 | 31 | 3.67 | 2.11 | 15 |
| SCIPIO | 7979 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.490 | 31 | ***** | 3.07 | 14 |
| SCRAPER | 7993 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.220 | 31 | ***** | 2.56 | 13 |
| STILWELL 1 NE | 8506 | 6 | 41.5 | 31 | 1.5 | 69. | 29 | 17. | 24 | 729.0 | -46.0 | .0 | .0 | 6.393 | 31 | 3.23 | 2.01 | 14 |
| TAHLEQUAH | 8677 | 6 | 41.0 | 31 | 1.3 | 67. | 30 | 16. | 24 | 745.5 | -38.5 | .0 | .0 | 6.363 | 31 | 3.36 | 2.25 | 14 |
| WEBBERS FALLS | 9445 | 6 | 40.0 | 30 | .6 | 73. | 31 | 21. | 27 | 751.0 | -43.0 | .0 | .0 | 6.611 | 31 | 3.90 | 2.05 | 14 |
| WESTVILLE | 9523 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.772 | 31 | ***** | 2.52 | 14 |
| WETUMKA 3 NE | 9571 | 6 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.070 | 31 | 3.95 | 2.79 | 14 |

## DECEMBER 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 | 42.5 | 31 | .7 | 71. | 30 | 20. | 26 | 698.0 | -21.0 | .0 | .0 | 2.180 | 31 | 1.27 | .90 | 9 |
| ALTUS DAM | 184 | 7 | 37.9 | 29 | ***** | 65. | 31 | 20. | 27 | 784.5 | ****** | .0 | ****** | 2.120 | 31 | 1.26 | .90 | 9 |
| ANADARKO | 224 | 7 | 40.9 | 29 | ***** | 70. | 30 | 16. | 31 | 699.0 | ****** | .0 | ****** | 3.423 | 30 | ***** | 1.63 | 14 |
| APACHE | 260 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.210 | 31 | 3.05 | 2.28 | 14 |
| ALTUS AFB | 447 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.204 | 30 | ***** | 2.03 | 14 |
| CARNEGIE 2 ENE | 1504 | 7 | 41.5 | 31 | 1.6 | 72. | 29 | 16. | 26 | 728.5 | -49.5 | .0 | .0 | 3.050 | 31 | 1.99 | 1.03 | 14 |
| CHATTANOOGA | 1706 | 7 | 43.9 | 31 | 2.4 | 74. | 30 | 21. | 31 | 655.5 | -73.5 | .0 | .0 | 4.082 | 31 | 2.90 | 2.25 | 14 |
| DUNCAN 12 W | 2668 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.281 | 31 | ***** | 1.63 | 13 |
| FREDERICK | 3353 | 7 | 41.1 | 31 | .7 | 74. | 31 | 21. | 31 | 739.5 | -23.5 | .0 | .0 | 2.280 | 31 | 1.25 | 1.10 | 14 |
| GRANDFIELD 4 NW | 3709 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.370 | 31 | 2.14 | 2.24 | 14 |
| HOBART FAA APT | 4204 | 7 | 40.7 | 31 | .8 | 70. | 30 | 19. | 31 | 752.0 | -26.0 | .0 | .0 | 2.801 | 31 | 1.96 | 1.27 | 14 |
| HOLLIS | 4249 | 7 | 40.5 | 22 | ***** | 73. | 29 | 17. | 26 | 539.0 | ****** | .0 | ****** | .590 | 23 | ***** | .43 | 9 |
| LAWTON | 5063 | 7 | 41.9 | 30 | 2.0 | 74. | 31 | 21. | 31 | 692.0 | -86.0 | .0 | .0 | 4.180 | 30 | ***** | 1.73 | 14 |
| FORT SILL | 5068 | 7 | 42.6 | 31 | ***** | 75. | 30 | 20. | 31 | 696.5 | ****** | 1.0 | ****** | 4.224 | 31 | ***** | 2.13 | 13 |
| LOOKEBA 2 ENE | 5329 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.910 | 31 | 1.89 | 1.52 | 14 |
| MANGUM RES STA | 5509 | 7 | 41.0 | 31 | .2 | 74. | 30 | 18. | 31 | 743.5 | -6.5 | .0 | .0 | 1.820 | 31 | 1.03 | .78 | 9 |
| RANDLETT 9 E | 7403 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.403 | 31 | ***** | 1.12 | 9 |
| ROOSEVELT | 7727 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.640 | 30 | ***** | 1.13 | 14 |
| SEDAN | 8016 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.510 | 31 | ***** | .87 | 9 |
| SNYDER | 8299 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 2.650 | 31 | 1.67 | 1.30 | 14 |
| VINSON 3 WNW | 9212 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.142 | 31 | .44 | .42 | 14 |
| WALTERS | 9278 | 7 | 43.0 | 31 | .5 | 72. | 30 | 21. | 31 | 681.5 | -16.5 | .0 | .0 | 1.870 | 31 | .47 | 1.20 | 14 |
| WICHITA MT WLR | 9629 | 7 | 38.0 | 31 | -.5 | 70. | 31 | 14. | 24 | 835.5 | 13.5 | .0 | .0 | 2.870 | 31 | 1.61 | 1.40 | 9 |
| WILLOW | 9668 | 7 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 1.903 | 31 | ***** | .87 | 14 |

## DECEMBER 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 | 42.8 | 31 | .6 | 71. | 30 | 20. | 26 | 691.5 | -15.5 | 2.0 | 2.0 | 5.673 | 31 | 3.69 | 3.37 | 14 |
| ALLEN | 147 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.900 | 31 | ***** | 4.50 | 15 |
| ARDMORE | 292 | 8 | 45.9 | 30 | 1.2 | 74. | 30 | 23. | 24 | 577.5 | -51.5 | 3.5 | 3.5 | 4.353 | 30 | ***** | 2.00 | 14 |
| ATOKA DAM | 394 | 8 | 45.8 | 21 | ***** | 72. | 31 | 27. | 1 | 403.0 | ****** | .0 | ****** | 5.071 | 21 | ***** | 2.55 | 14 |
| BOKCHITO | 917 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.260 | 31 | ***** | 1.62 | 14 |
| CANEY | 1437 | 8 | 44.1 | 18 | ***** | 63. | 1 | 31. | 1 | 376.5 | ****** | .0 | ****** | 4.510 | 19 | ***** | 2.00 | 14 |
| CENTRAHOMA | 1648 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.250 | 31 | ***** | 2.00 | 14 |
| CHICKASAW NRA | 1745 | 8 | 42.2 | 31 | 1.4 | 72. | 31 | 22. | 26 | 709.5 | -40.5 | 1.5 | 1.5 | 5.280 | 31 | 3.41 | 3.31 | 14 |
| COLEMAN | 2011 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.840 | 31 | ***** | 2.45 | 14 |
| COMANCHE | 2054 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.490 | 31 | 1.89 | 1.55 | 13 |
| DAISY 4 ENE | 2354 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.095 | 31 | 4.18 | 2.87 | 14 |
| DUNCAN | 2660 | 8 | 42.8 | 31 | 1.5 | 73. | 30 | 22. | 31 | 689.5 | -45.5 | 1.0 | 1.0 | 3.653 | 31 | 2.16 | 1.68 | 14 |
| DURANT USDA | 2678 | 8 | 45.0 | 31 | 2.8 | 73. | 31 | 24. | 24 | 620.5 | -86.5 | 1.5 | 1.5 | 4.480 | 31 | 2.26 | 1.90 | 14 |
| ELMORE CITY | 2872 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.060 | 31 | ***** | 2.15 | 13 |
| FARRIS 3 WNW | 3083 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.340 | 31 | 2.91 | 1.95 | 14 |
| GRADY | 3688 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.210 | 27 | ***** | 2.43 | 13 |
| HEALDTON | 4001 | 8 | 44.6 | 31 | 2.3 | 74. | 30 | 22. | 31 | 637.5 | -66.5 | 4.5 | 4.5 | 3.950 | 31 | 2.30 | 3.04 | 14 |
| HENNEPIN | 4052 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.320 | 31 | ***** | 2.12 | 14 |
| KETCHUM RANCH | 4780 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.662 | 31 | ***** | 1.60 | 9 |
| KINGSTON | 4865 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.170 | 31 | 4.05 | 3.85 | 14 |
| LEHIGH | 5108 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 4.609 | 31 | ***** | 1.80 | 14 |
| LINDSAY 2 W | 5216 | 8 | 42.6 | 29 | ***** | 73. | 29 | 19. | 31 | 652.0 | ****** | 2.0 | ****** | 3.665 | 29 | ***** | 1.55 | 14 |
| LOCO 6 SE | 5247 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.400 | 31 | ***** | 2.01 | 14 |
| MADILL | 5468 | 8 | 45.8 | 31 | 2.0 | 76. | 30 | 24. | 31 | 598.5 | -58.5 | 3.0 | 3.0 | 5.252 | 31 | 3.24 | 2.80 | 12 |
| MARIETTA | 5563 | 8 | 46.3 | 31 | 2.5 | 74. | 30 | 24. | 31 | 584.0 | -73.0 | 4.0 | 4.0 | 5.061 | 31 | 3.21 | 3.75 | 14 |
| MARLOW 1 WSW | 5581 | 8 | 42.5 | 31 | 1.0 | 73. | 29 | 16. | 31 | 699.0 | -30.0 | .0 | .0 | 3.463 | 31 | 2.07 | 1.55 | 14 |
| MCGEE CREEK DAM | 5713 | 8 | 42.6 | 7 | ***** | 70. | 31 | 32. | 10 | 157.0 | ****** | .0 | ****** | 5.663 | 31 | ***** | 2.12 | 14 |
| PAULS VALLEY | 6926 | 8 | 44.1 | 31 | 2.3 | 73. | 30 | 19. | 26 | 650.5 | -68.5 | 3.5 | 3.5 | 4.430 | 31 | 2.63 | 2.10 | 14 |
| PONTOTOC | 7214 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.690 | 30 | ***** | 3.13 | 13 |
| TISHOMINGO NWLR | 8884 | 8 | 45.9 | 20 | ***** | 72. | 30 | 25. | 24 | 383.0 | ****** | 1.0 | ****** | 5.770 | 23 | ***** | 3.73 | 14 |
| TUSSY | 9032 | 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 3.691 | 31 | ***** | 1.97 | 14 |
| WAURIKA | 9395 | 8 | 46.2 | 31 | 2.8 | 75. | 30 | 22. | 24 | 587.5 | -82.5 | 6.0 | 6.0 | 2.701 | 31 | 1.15 | 1.10 | 13 |
| WAURIKA DAM | 9399 | 8 | 44.9 | 22 | ***** | 76. | 31 | 24. | 31 | 445.5 | ****** | 2.5 | ****** | 3.380 | 27 | ***** | 1.68 | 14 |

## DECEMBER 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 | 43.9 | 31 | .8 | 69. | 30 | 23. | 1 | 654.5 | -24.5 | 1.0 | 1.0 | 4.880 | 31 | 2.00 | 2.01 | 14 |
| BATTIEST 1 SSW | 567 | 9 | 41.2 | 31 | ***** | 63. | 31 | 18. | 1 | 738.5 | ****** | .0 | ****** | 7.880 | 31 | ***** | 3.15 | 15 |
| BEAR MT TWR | 584 | 9 | 43.8 | 30 | -.8 | 66. | 31 | 27. | 18 | 637.5 | 1.5 | .0 | .0 | 7.490 | 28 | ***** | 3.65 | 15 |
| BENGAL | 670 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.060 | 31 | ***** | 2.24 | 15 |
| BOSWELL 4 NNW | 980 | 9 | 44.1 | 31 | .3 | 72. | 30 | 23. | 1 | 649.5 | -7.5 | 3.0 | 3.0 | 4.699 | 31 | 1.92 | 1.63 | 15 |
| BROKEN BOW 1 N | 1162 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.370 | 31 | 3.39 | 4.20 | 14 |
| BROKEN BOW DAM | 1168 | 9 | 44.6 | 31 | 1.9 | 68. | 31 | 25. | 2 | 631.0 | -60.0 | .0 | .0 | 7.730 | 31 | 3.63 | 3.65 | 14 |
| CARNASAW TWR | 1499 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 7.600 | 31 | 3.49 | 3.74 | 15 |
| CARTER TWR | 1544 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.950 | 31 | 2.83 | 3.00 | 15 |
| FANSHAWE | 3065 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 6.680 | 31 | 3.47 | 2.43 | 15 |
| HEAVENER 1 SE | 4008 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.220 | 31 | 1.73 | 2.24 | 15 |
| HEE MT TWR | 4017 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 8.913 | 31 | 4.51 | 3.86 | 16 |
| HUGO | 4384 | 9 | 43.5 | 27 | ***** | 65. | 29 | 27. | 25 | 580.5 | ****** | .0 | ****** | 6.552 | 30 | ***** | 2.47 | 15 |
| IDABEL | 4451 | 9 | 43.8 | 31 | .5 | 70. | 31 | 23. | 1 | 658.5 | -14.5 | .0 | .0 | 7.531 | 31 | 3.85 | 3.80 | 15 |
| POTEAU W W | 7254 | 9 | 43.9 | 28 | ***** | 75. | 31 | 24. | 26 | 595.5 | ****** | 4.5 | ****** | 4.072 | 29 | ***** | 1.03 | 14 |
| SMITHVILLE 1 W | 8285 | 9 | 42.1 | 31 | .4 | 65. | 31 | 18. | 1 | 709.0 | -13.0 | .0 | .0 | 7.906 | 31 | 3.56 | 3.75 | 15 |
| SPIRO | 8416 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.680 | 31 | 2.62 | 1.90 | 15 |
| TUSKAHOMA | 9023 | 9 | 44.4 | 31 | 1.2 | 70. | 30 | 21. | 1 | 641.5 | -34.5 | 2.5 | 2.5 | 6.793 | 31 | 3.97 | 2.31 | 14 |
| VALLIANT 3 W | 9118 | 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ****** | ****** | ****** | ****** | 5.143 | 31 | 1.43 | 2.44 | 15 |
| WILBURTON 9 ENE | 9634 | 9 | 43.5 | 31 | 1.7 | 70. | 30 | 21. | 31 | 668.5 | -50.5 | 2.0 | 2.0 | 6.614 | 31 | 3.62 | 2.16 | 14 |

## DECEMBER 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 | 32.5 | 11 | -2.7 | 73.0 | 30 | 1.0 | 15 | 1003.8 | 79.0 | .0 | .0 | .97 | 10 | .41 | .62 | 14 |
| 2 | 36.4 | 15 | -.1 | 73.0 | 31 | 9.0 | 7 | 883.7 | 1.6 | .0 | .0 | 1.91 | 23 | .83 | 1.39 | 14 |
| 3 | 40.1 | 15 | 1.9 | 84.0 | 2 | 12.0 | 26 | 774.5 | -58.4 | 1.1 | 1.1 | 5.16 | 27 | 3.21 | 4.00 | 14 |
| 4 | 38.4 | 9 | .3 | 74.0 | 30 | 10.0 | 7 | 824.6 | -10.3 | .0 | .0 | 1.99 | 18 | 1.18 | 1.50 | 14 |
| 5 | 41.2 | 16 | 1.2 | 74.0 | 30 | 13.0 | 7 | 739.2 | -36.5 | 1.8 | 1.8 | 3.89 | 34 | 2.34 | 3.65 | 14 |
| 6 | 42.0 | 10 | 1.1 | 74.0 | 30 | 16.0 | 24 | 711.8 | -34.2 | 2.0 | 2.0 | 6.76 | 28 | 4.22 | 3.96 | 14 |
| 7 | 41.6 | 10 | 1.1 | 75.0 | 30 | 14.0 | 24 | 722.3 | -37.8 | .1 | .1 | 2.72 | 19 | 1.69 | 2.28 | 14 |
| 8 | 44.4 | 11 | 2.0 | 76.0 | 31 | 16.0 | 31 | 640.5 | -59.9 | 2.8 | 2.8 | 4.59 | 25 | 2.66 | 4.50 | 15 |
| 9 | 43.5 | 9 | .3 | 75.0 | 31 | 18.0 | 1 | 665.4 | -10.1 | .9 | .9 | 6.69 | 17 | 3.08 | 4.20 | 14 |

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

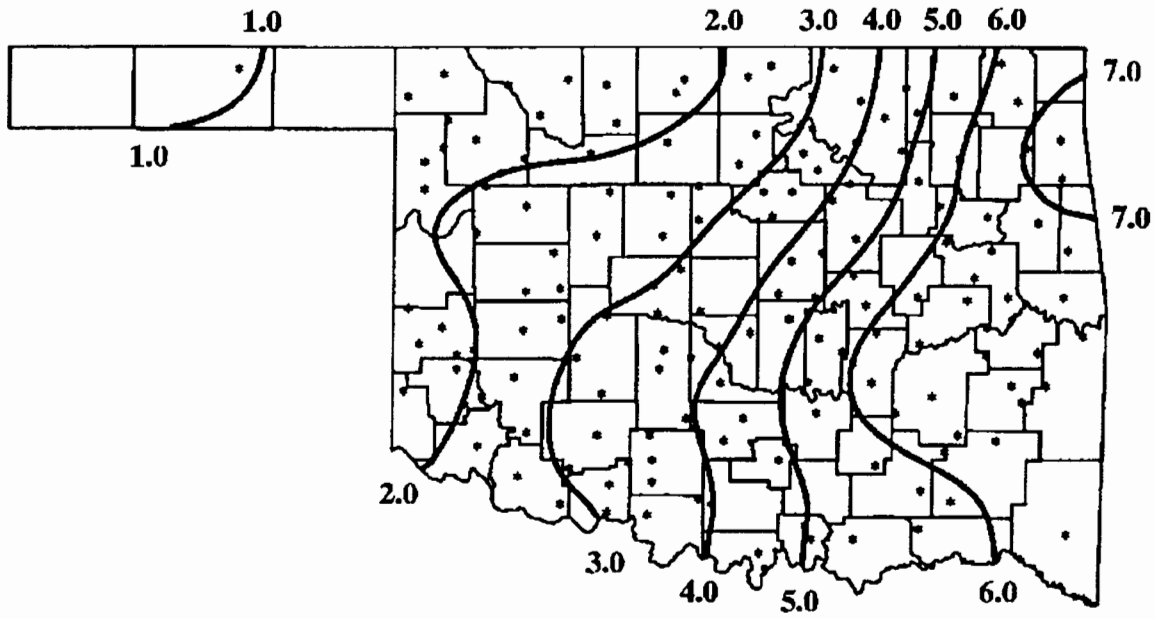
| CD | MAX TEMP | DATE | LOCATION | MIN TEMP | DATE | LOCATION | 24-HOUR PRECIP | DATE | LOCATION | MONTHLY PRECIP | LOCATION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 73 | 30 | GAGE FAA APT | 1 | 15 | OPTIMA LAKE | .62 | 14 | GATE | 1.61 | ARNETT |
| 2 | 73 | 31 | FT SUPPLY | 9 | 7 | FT SUPPLY | 1.39 | 14 | VANCE AFB | 3.15 | MORRISON |
| | | | | 9 | 8 | FREEDOM | | | | | |
| | | | | 9 | 7 | MUTUAL | | | | | |
| 3 | 84 | 2 | MIAMI | 12 | 28 | HULAH DAM | 4.00 | 14 | UPR SPAVINAW | 8.58 | JAY TOWER |
| | | | | 12 | 26 | PAWHUSKA | | | | | |
| 4 | 74 | 30 | REYDON | 10 | 7 | TALOGA | 1.50 | 14 | COLONY | 3.73 | COLONY |
| 5 | 74 | 29 | GUTHRIE | 13 | 7 | HENNESSEY | 3.65 | 14 | WEWOKA | 6.54 | WEWOKA |
| | 74 | 30 | NORMAN | | | | | | | | |
| | 74 | 30 | STILLWATER | | | | | | | | |
| 6 | 74 | 30 | MCALESTER | 16 | 24 | TAHLEQUAH | 3.96 | 14 | OKTAHA | 8.13 | LAKE EUFAULA |
| 7 | 75 | 30 | FORT SILL | 14 | 17 | WICHITA MT | 2.28 | 14 | APACHE | 4.22 | FORT SILL |
| | | | | 14 | 18 | WICHITA MT | | | | | |
| | | | | 14 | 24 | WICHITA MT | | | | | |
| 8 | 76 | 30 | MADILL | 16 | 31 | MARLOW | 4.50 | 15 | ALLEN | 7.09 | DAISY |
| | 76 | 31 | WAURIKA DAM | | | | | | | | |
| 9 | 75 | 31 | POTEAU | 18 | 1 | BATTIEST | 4.20 | 14 | BROKEN BOW | 8.91 | HEE MT TWR |
| | | | | 18 | 1 | SMITHVILLE | | | | | |

## TABLE OF 1991/1992 COMPARISONS

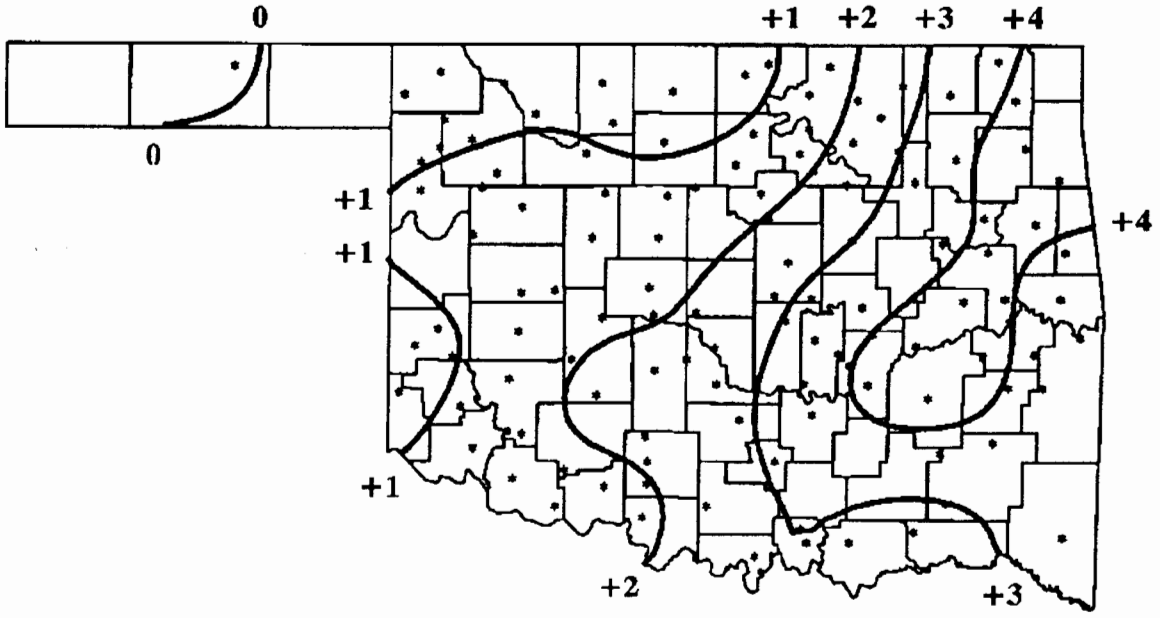
| Station | December Temperature (F) 1991 | 1992 | December Precipitation (in.) 1991 | 1992 |
|---|---|---|---|---|
| Arnett | 38.2 | 33.0 | 2.07 | 1.61 |
| Enid | 41.4 | 37.5 | 4.02 | 1.71 |
| Mutual | 39.1 | 34.8 | 2.78 | 1.95 |
| Tulsa | 45.3 | 39.6 | 3.31 | 5.11 |
| Elk City | 42.3 | 39.7 | 3.43 | 1.07 |
| Oklahoma City | 44.1 | 39.8 | 5.90 | 3.08 |
| McAlester | 46.7 | 44.7 | 4.76 | 7.39 |
| Altus Irr Sta | 44.3 | 42.5 | 4.07 | 2.18 |
| Durant | 46.3 | 45.0 | 8.14 | 4.48 |
| Ada | 44.9 | 42.8 | 6.60 | 5.67 |
| Antlers | 47.5 | 43.9 | 6.29 | 4.88 |

## EXTREMES

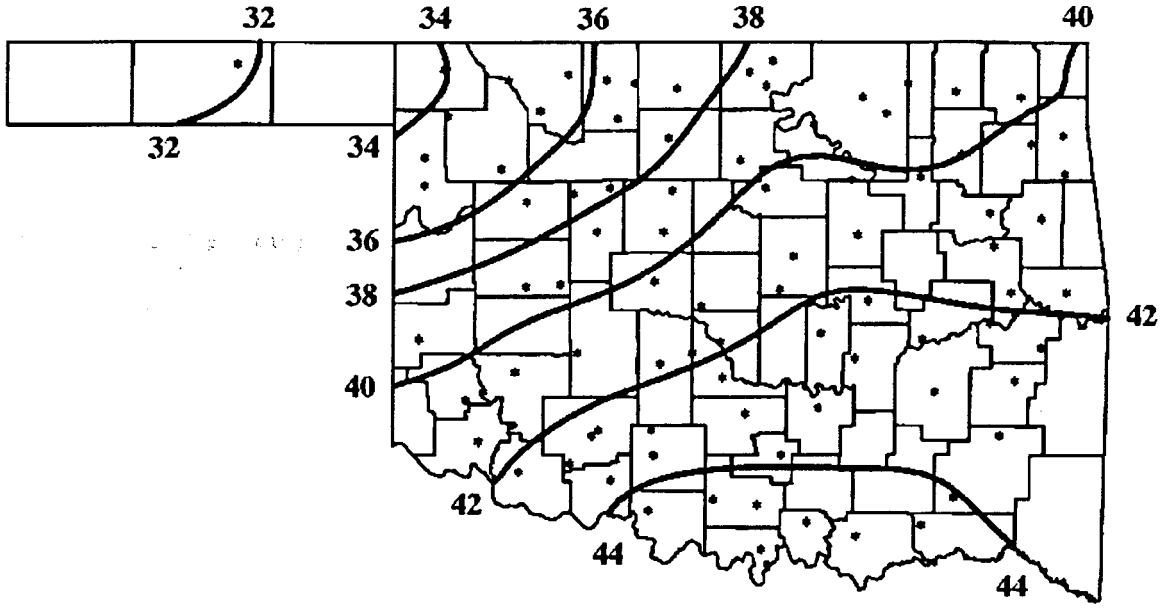
| Variable | Station | Division | Observation | Date |
|---|---|---|---|---|
| Minimum temperature (F) | Optima Lake | 1 | 1 | 15 |
| Maximum temperature (F) | Miami | 3 | 84 | 2 |
| Maximum 24-hour precipitation | Allen | 8 | 4.50" | 15 |



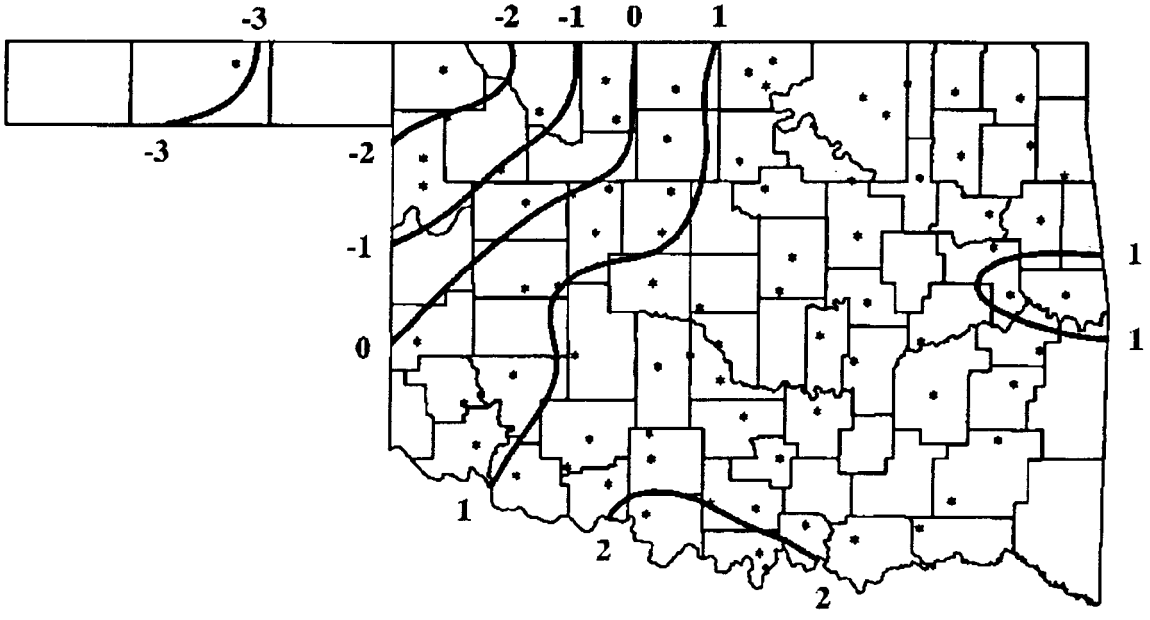

DECEMBER 1992 TOTAL PRECIPITATION
(Inches)



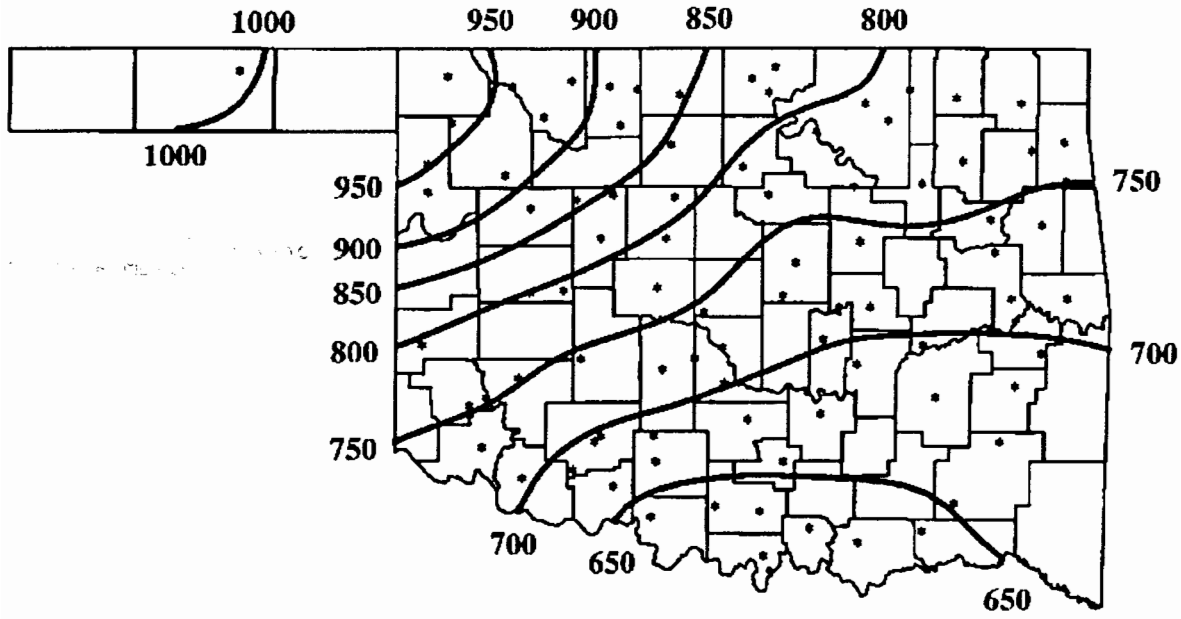

DECEMBER 1992 DEVIATION FROM NORMAL PRECIPITATION
(Inches)



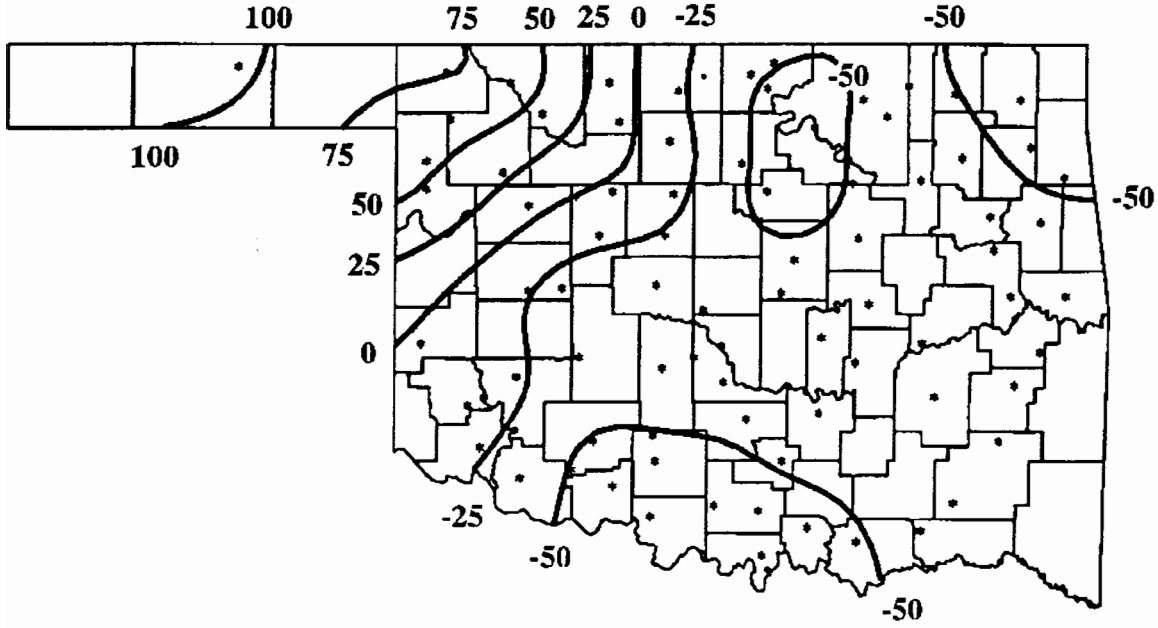

DECEMBER 1992 AVERAGE MONTHLY TEMPERATURES
(Degrees F)




DECEMBER 1992 DEVIATION FROM NORMAL TEMPERATURES
(Degrees F)

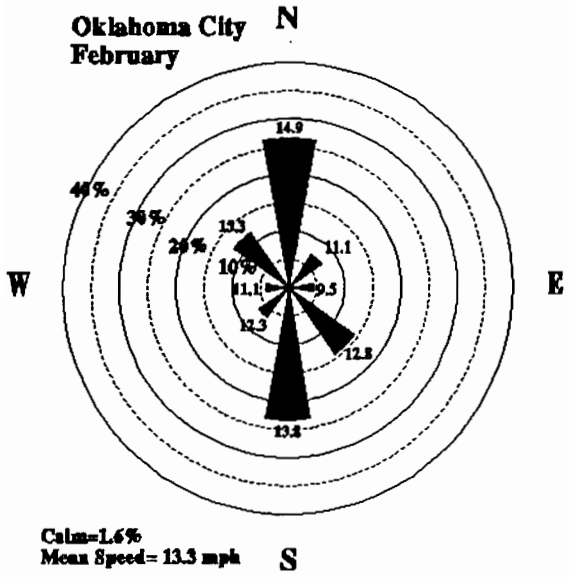


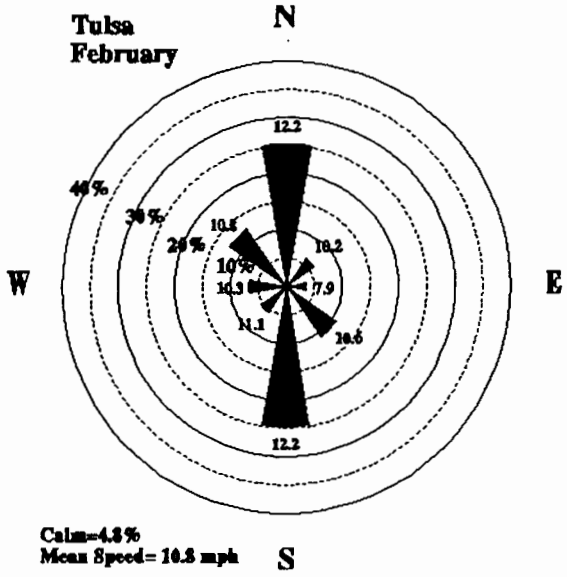

DECEMBER 1992 HEATING DEGREE DAYS




DECEMBER 1992 DEVIATION FROM NORMAL HEATING DEGREE DAYS

**February Wind Roses for Oklahoma City and Tulsa.** Percents represent the frequency of winds from each direction. The numbers at the ends of the bars indicate the average wind speed (miles per hour) from that direction.



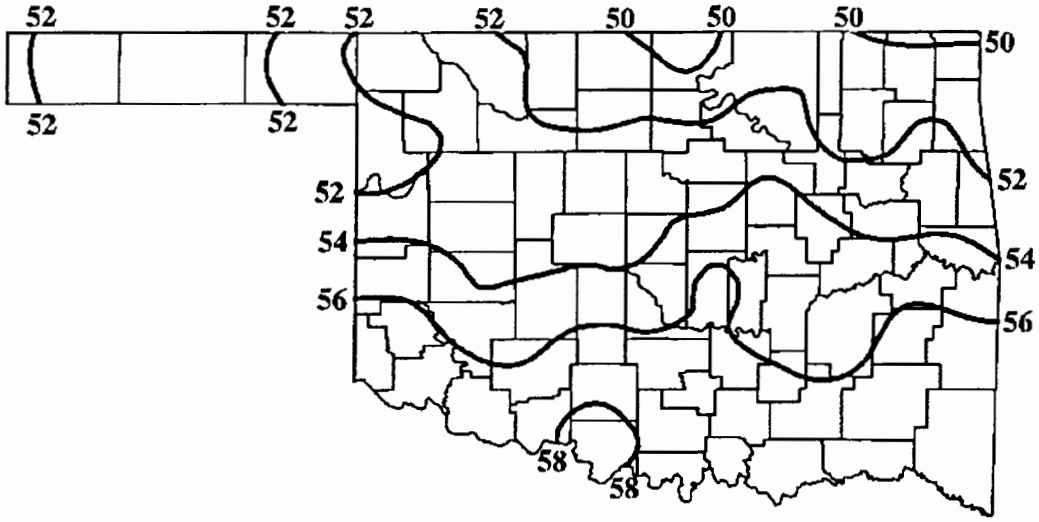

## FEBRUARY 1993 SUNRISE AND SUNSET

### OKLAHOMA CITY

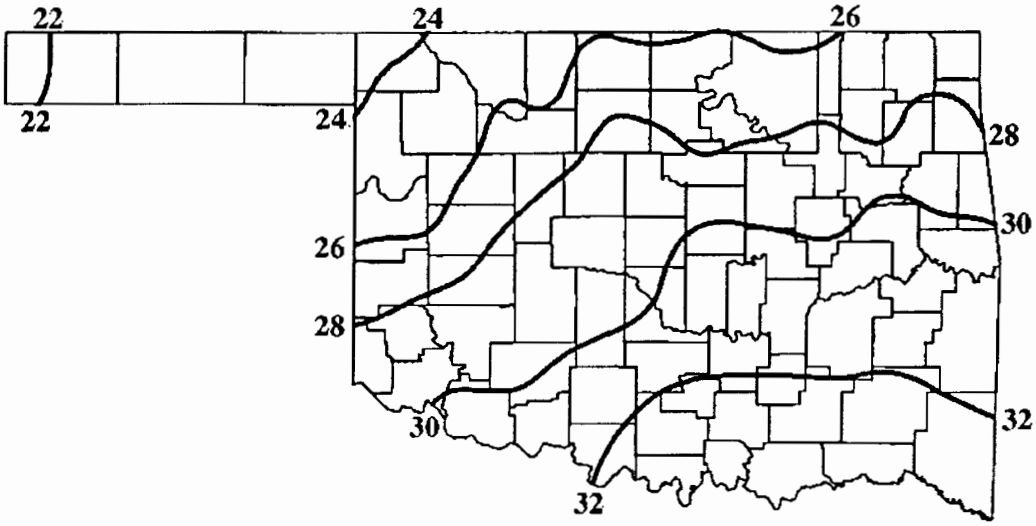
| DATE | SUNRISE | SUNSET | DAYLIGHT |
|---|---|---|---|
| 93 2 1 | 7:30AM | 5:58PM CST | 10 hrs 28 mins |
| 93 2 2 | 7:29AM | 5:59PM CST | 10 hrs 29 mins |
| 93 2 3 | 7:28AM | 6: 0PM CST | 10 hrs 31 mins |
| 93 2 4 | 7:28AM | 6: 1PM CST | 10 hrs 33 mins |
| 93 2 5 | 7:27AM | 6: 2PM CST | 10 hrs 35 mins |
| 93 2 6 | 7:26AM | 6: 3PM CST | 10 hrs 36 mins |
| 93 2 7 | 7:25AM | 6: 4PM CST | 10 hrs 38 mins |
| 93 2 8 | 7:24AM | 6: 5PM CST | 10 hrs 40 mins |
| 93 2 9 | 7:24AM | 6: 6PM CST | 10 hrs 42 mins |
| 93 210 | 7:23AM | 6: 7PM CST | 10 hrs 44 mins |
| 93 211 | 7:22AM | 6: 8PM CST | 10 hrs 46 mins |
| 93 212 | 7:21AM | 6: 9PM CST | 10 hrs 48 mins |
| 93 213 | 7:20AM | 6:10PM CST | 10 hrs 50 mins |
| 93 214 | 7:19AM | 6:11PM CST | 10 hrs 52 mins |
| 93 215 | 7:18AM | 6:12PM CST | 10 hrs 54 mins |
| 93 216 | 7:17AM | 6:13PM CST | 10 hrs 56 mins |
| 93 217 | 7:16AM | 6:13PM CST | 10 hrs 58 mins |
| 93 218 | 7:15AM | 6:14PM CST | 11 hrs 0 mins |
| 93 219 | 7:14AM | 6:15PM CST | 11 hrs 2 mins |
| 93 220 | 7:13AM | 6:16PM CST | 11 hrs 4 mins |
| 93 221 | 7:11AM | 6:17PM CST | 11 hrs 6 mins |
| 93 222 | 7:10AM | 6:18PM CST | 11 hrs 8 mins |
| 93 223 | 7: 9AM | 6:19PM CST | 11 hrs 10 mins |
| 93 224 | 7: 8AM | 6:20PM CST | 11 hrs 12 mins |
| 93 225 | 7: 7AM | 6:21PM CST | 11 hrs 14 mins |
| 93 226 | 7: 5AM | 6:22PM CST | 11 hrs 16 mins |
| 93 227 | 7: 4AM | 6:23PM CST | 11 hrs 19 mins |
| 93 228 | 7: 3AM | 6:24PM CST | 11 hrs 21 mins |

### TULSA

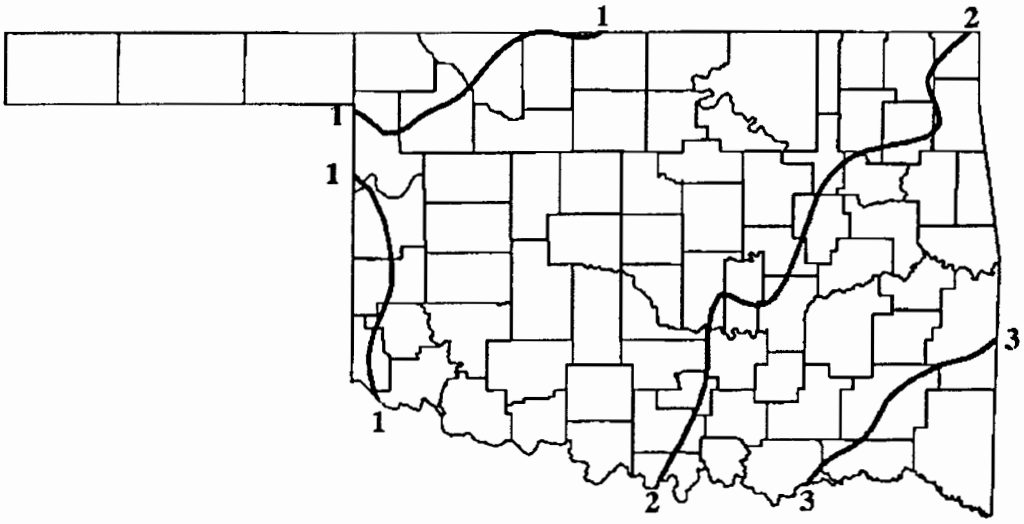
| DATE | SUNRISE | SUNSET | DAYLIGHT |
|---|---|---|---|
| 93 2 1 | 7:25AM | 5:49PM CST | 10 hrs 25 mins |
| 93 2 2 | 7:24AM | 5:50PM CST | 10 hrs 27 mins |
| 93 2 3 | 7:23AM | 5:51PM CST | 10 hrs 28 mins |
| 93 2 4 | 7:22AM | 5:52PM CST | 10 hrs 30 mins |
| 93 2 5 | 7:22AM | 5:54PM CST | 10 hrs 32 mins |
| 93 2 6 | 7:21AM | 5:55PM CST | 10 hrs 34 mins |
| 93 2 7 | 7:20AM | 5:56PM CST | 10 hrs 36 mins |
| 93 2 8 | 7:19AM | 5:57PM CST | 10 hrs 38 mins |
| 93 2 9 | 7:18AM | 5:58PM CST | 10 hrs 40 mins |
| 93 210 | 7:17AM | 5:59PM CST | 10 hrs 42 mins |
| 93 211 | 7:16AM | 6: 0PM CST | 10 hrs 43 mins |
| 93 212 | 7:15AM | 6: 1PM CST | 10 hrs 45 mins |
| 93 213 | 7:14AM | 6: 2PM CST | 10 hrs 47 mins |
| 93 214 | 7:13AM | 6: 3PM CST | 10 hrs 50 mins |
| 93 215 | 7:12AM | 6: 4PM CST | 10 hrs 52 mins |
| 93 216 | 7:11AM | 6: 5PM CST | 10 hrs 54 mins |
| 93 217 | 7:10AM | 6: 6PM CST | 10 hrs 56 mins |
| 93 218 | 7: 9AM | 6: 7PM CST | 10 hrs 58 mins |
| 93 219 | 7: 8AM | 6: 8PM CST | 11 hrs 0 mins |
| 93 220 | 7: 7AM | 6: 9PM CST | 11 hrs 2 mins |
| 93 221 | 7: 5AM | 6:10PM CST | 11 hrs 4 mins |
| 93 222 | 7: 4AM | 6:11PM CST | 11 hrs 6 mins |
| 93 223 | 7: 3AM | 6:12PM CST | 11 hrs 8 mins |
| 93 224 | 7: 2AM | 6:13PM CST | 11 hrs 11 mins |
| 93 225 | 7: 1AM | 6:13PM CST | 11 hrs 13 mins |
| 93 226 | 6:59AM | 6:14PM CST | 11 hrs 15 mins |
| 93 227 | 6:58AM | 6:15PM CST | 11 hrs 17 mins |
| 93 228 | 6:57AM | 6:16PM CST | 11 hrs 19 mins |




**February Normal Daily Maximum Temperatures (°F)**




**February Normal Daily Minimum Temperatures (°F)**




February Normal Monthly Precipitation (inches)

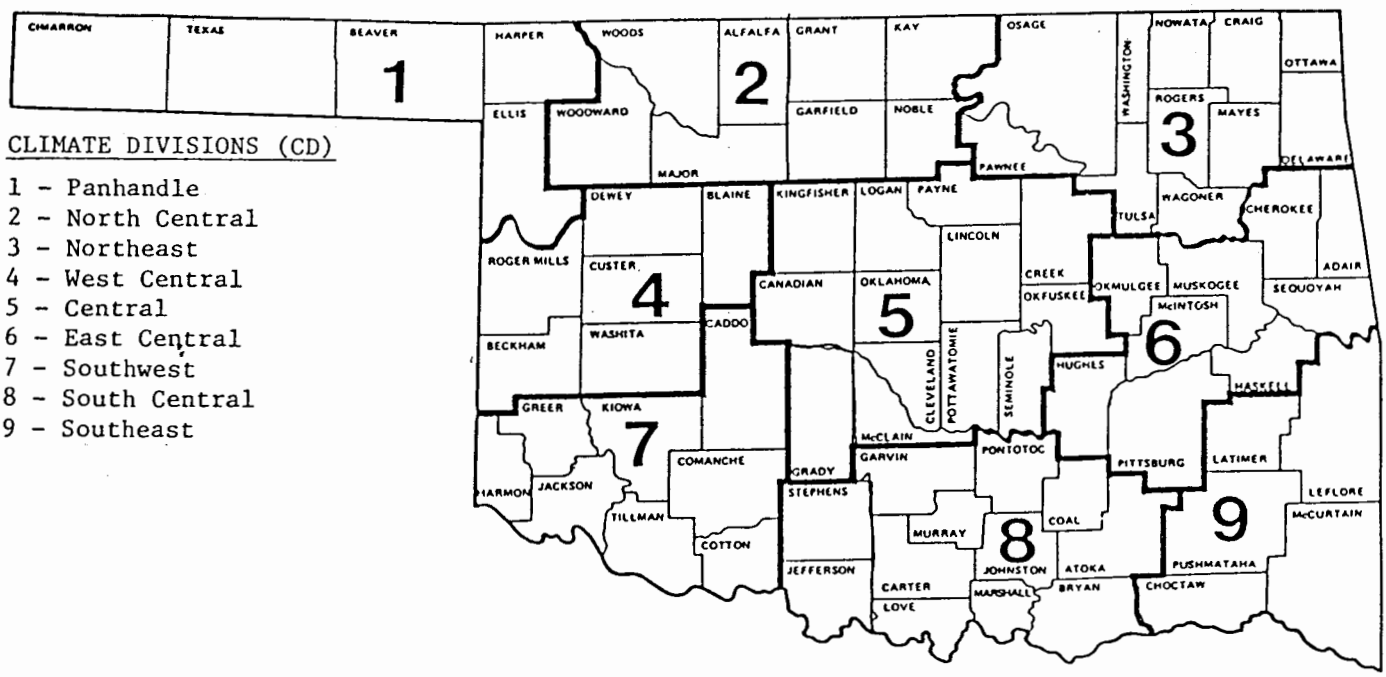
## 90-DAY NATIONAL WEATHER SERVICE OUTLOOK

(JANUARY 1993 - MARCH 1993)

Precipitation - Near Normal Statewide

Temperature - Above Normal Southeast
Near Normal Elsewhere

# 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

**February 1993**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48.4 max | | 45.2 max | | 47.1 max | | 49.6 max | | 47.5 max | | 45.0 max | | 47.3 max | |
| 27.5 min | | 26.1 min | | 26.6 min | | 28.5 min | | 28.3 min | | 26.3 min | | 24.9 min | |
| .04 ppt | | .03 ppt | | .06 ppt | | .07 ppt | | .09 ppt | | .02 ppt | | .05 ppt | |
| 27 hdd | | 29 hdd | | 28 hdd | | 26 hdd | | 27 hdd | | 29 hdd | | 29 hdd | |
| 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | |
| Highest Max | 90-1911 | Highest Max | 76-1924 | Highest Max | 78-1962 | Highest Max | 77-1962 | Highest Max | 77-1942 | Highest Max | 73-1904 | Highest Max | 76-1937 |
| Lowest Max | 14-1918 | Lowest Max | 10-1905 | Lowest Max | 7-1905 | Lowest Max | 15-1989 | Lowest Max | 16-1982 | Lowest Max | 16-1905 | Lowest Max | 6-1933 |
| Lowest Min | -2-1951 | Lowest Min | -4-1895 | Lowest Min | 0-1989 | Lowest Min | -1-1895 | Lowest Min | 3-1989 | Lowest Min | 3-1895 | Lowest Min | -8-1895 |
| Highest Min | 59-1986 | Highest Min | 58-1986 | Highest Min | 58-1986 | Highest Min | 58-1927 | Highest Min | 57-1938 | Highest Min | 54-1931 | Highest Min | 50-1894 |
| Greatest ppt | .71-1990 | Greatest ppt | .88-1943 | Greatest ppt | 1.13-1960 | Greatest ppt | 1.32-1964 | Greatest ppt | 1.05-1987 | Greatest ppt | 1.38-1892 | Greatest ppt | .84-1980 |

| Normal 8 | Actual | Normal 9 | Actual | Normal 10 | Actual | Normal 11 | Actual | Normal 12 | Actual | Normal 13 | Actual | Normal 14 | Actual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48.8 max | | 50.8 max | | 53.1 max | | 49.4 max | | 52.2 max | | 53.5 max | | 52.4 max | |
| 28.1 min | | 27.8 min | | 27.1 min | | 28.1 min | | 28.9 min | | 30.3 min | | 31.9 min | |
| .06 ppt | | .04 ppt | | .03 ppt | | .06 ppt | | .08 ppt | | .04 ppt | | .10 ppt | |
| 27 hdd | | 26 hdd | | 25 hdd | | 26 hdd | | 25 hdd | | 23 hdd | | 23 hdd | |
| 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | |
| Highest Max | 73-1943 | Highest Max | 84-1932 | Highest Max | 79-1922 | Highest Max | 82-1962 | Highest Max | 84-1962 | Highest Max | 82-1962 | Highest Max | 81-1954 |
| Lowest Max | 12-1929 | Lowest Max | 16-1899 | Lowest Max | 16-1933 | Lowest Max | 15-1899 | Lowest Max | 2-1905 | Lowest Max | 21-1905 | Lowest Max | 18-1951 |
| Lowest Min | -5-1933 | Lowest Min | -3-1979 | Lowest Min | 4-1929 | Lowest Min | -12-1899 | Lowest Min | -17-1899 | Lowest Min | -11-1905 | Lowest Min | 1-1936 |
| Highest Min | 53-1966 | Highest Min | 51-1932 | Highest Min | 52-1952 | Highest Min | 57-1938 | Highest Min | 57-1962 | Highest Min | 54-1976 | Highest Min | 55-1954 |
| Greatest ppt | .62-1965 | Greatest ppt | 2.10-1898 | Greatest ppt | .50-1953 | Greatest ppt | 1.12-1977 | Greatest ppt | 2.21-1978 | Greatest ppt | .76-1908 | Greatest ppt | .89-1938 |

| Normal 15 | Actual | Normal 16 | Actual | Normal 17 | Actual | Normal 18 | Actual | Normal 19 | Actual | Normal 20 | Actual | Normal 21 | Actual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50.4 max | | 51.3 max | | 53.8 max | | 54.6 max | | 53.9 max | | 54.7 max | | 51.3 max | |
| 30.5 min | | 29.8 min | | 30.0 min | | 32.4 min | | 32.0 min | | 31.7 min | | 30.6 min | |
| .06 ppt | | .02 ppt | | .04 ppt | | .04 ppt | | .05 ppt | | .08 ppt | | .10 ppt | |
| 25 hdd | | 24 hdd | | 23 hdd | | 22 hdd | | 22 hdd | | 22 hdd | | 24 hdd | |
| 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | |
| Highest Max | 81-1954 | Highest Max | 81-1927 | Highest Max | 79-1991 | Highest Max | 78-1986 | Highest Max | 83-1986 | Highest Max | 84-1981 | Highest Max | 79-1935 |
| Lowest Max | 17-1909 | Lowest Max | 15-1903 | Lowest Max | 17-1936 | Lowest Max | 24-1936 | Lowest Max | 21-1929 | Lowest Max | 25-1918 | Lowest Max | 25-1911 |
| Lowest Min | 7-1909 | Lowest Min | 4-1903 | Lowest Min | 5-1900 | Lowest Min | -1-1978 | Lowest Min | 7-1903 | Lowest Min | 9-1918 | Lowest Min | 9-1939 |
| Highest Min | 53-1976 | Highest Min | 63-1911 | Highest Min | 50-1926 | Highest Min | 53-1971 | Highest Min | 49-1906 | Highest Min | 55-1894 | Highest Min | 58-1922 |
| Greatest ppt | .93-1938 | Greatest ppt | 2.15-1940 | Greatest ppt | .88-1961 | Greatest ppt | .88-1946 | Greatest ppt | .68-1954 | Greatest ppt | 1.31-1985 | Greatest ppt | 1.63-1971 |

| Normal 22 | Actual | Normal 23 | Actual | Normal 24 | Actual | Normal 25 | Actual | Normal 26 | Actual | Normal 27 | Actual | Normal 28 | Actual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54.0 max | | 54.4 max | | 53.9 max | | 57.8 max | | 58.6 max | | 58.3 max | | 56.9 max | |
| 31.6 min | | 32.6 min | | 32.0 min | | 33.9 min | | 34.4 min | | 34.4 min | | 34.3 min | |
| .07 ppt | | .03 ppt | | .05 ppt | | .02 ppt | | .03 ppt | | .08 ppt | | .07 ppt | |
| 22 hdd | | 22 hdd | | 22 hdd | | 19 hdd | | 19 hdd | | 19 hdd | | 19 hdd | |
| 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | |
| Highest Max | 83-1982 | Highest Max | 88-1918 | Highest Max | 87-1918 | Highest Max | 84-1917 | Highest Max | 78-1986 | Highest Max | 83-1918 | Highest Max | 90-1904 |
| Lowest Max | 24-1968 | Lowest Max | 21-1914 | Lowest Max | 19-1960 | Lowest Max | 27-1960 | Lowest Max | 21-1934 | Lowest Max | 25-1962 | Lowest Max | 19-1922 |
| Lowest Min | 11-1963 | Lowest Min | 7-1910 | Lowest Min | 7-1965 | Lowest Min | 10-1960 | Lowest Min | 10-1891 | Lowest Min | 12-1962 | Lowest Min | 7-1962 |
| Highest Min | 55-1985 | Highest Min | 52-1956 | Highest Min | 58-1930 | Highest Min | 56-1944 | Highest Min | 59-1981 | Highest Min | 56-1981 | Highest Min | 62-1904 |
| Greatest ppt | 1.15-1985 | Greatest ppt | .81-1985 | Greatest ppt | .94-1952 | Greatest ppt | .74-1936 | Greatest ppt | 1.34-1903 | Greatest ppt | 1.32-1966 | Greatest ppt | .98-1990 |

## FEBRUARY AVERAGES

| | | |
|---|---|---|
| TEMPERATURE | : | 41.0°F |
| PRECIPITATION | : | 1.51" |
| HEATING DEGREE DAYS | : | 674 |
| COOLING DEGREE DAYS | : | 0 |

TULSA CLIMATE CALENDAR

February 1993

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

| Normal 1 | Actual | Normal 2 | Actual | Normal 3 | Actual | Normal 4 | Actual | Normal 5 | Actual | Normal 6 | Actual | Normal 7 | Actual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48.0 max | | 46.0 max | | 48.0 max | | 50.0 max | | 48.0 max | | 46.0 max | | 47.0 max | |
| 27.0 min | | 26.0 min | | 27.0 min | | 29.0 min | | 29.0 min | | 27.0 min | | 26.0 min | |
| .09 ppt | | .02 ppt | | .03 ppt | | .12 ppt | | .09 ppt | | .04 ppt | | .07 ppt | |
| 27 hdd | | 29 hdd | | 27 hdd | | 25 hdd | | 26 hdd | | 28 hdd | | 28 hdd | |
| 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | |
| Highest Max | 90-1911 | Highest Max | 76-1924 | Highest Max | 79-1934 | Highest Max | 77-1962 | Highest Max | 75-1942 | Highest Max | 73-1925 | Highest Max | 78-1909 |
| Lowest Max | 15-1951 | Lowest Max | 25-1985 | Lowest Max | 13-1989 | Lowest Max | 15-1989 | Lowest Max | 19-1982 | Lowest Max | 21-1989 | Lowest Max | 27-1985 |
| Lowest Min | -7-1979 | Lowest Min | 0-1917 | Lowest Min | 1-1989 | Lowest Min | 2-1989 | Lowest Min | 4-1979 | Lowest Min | 4-1985 | Lowest Min | 0-1933 |
| Highest Min | 53-1986 | Highest Min | 56-1986 | Highest Min | 59-1986 | Highest Min | 51-1991 | Highest Min | 47-1974 | Highest Min | 48-1965 | Highest Min | 49-1970 |
| Greatest ppt | .63-1968 | Greatest ppt | .16-1975 | Greatest ppt | .53-1960 | Greatest ppt | 2.27-1971 | Greatest ppt | 1.36-1964 | Greatest ppt | .36-1979 | Greatest ppt | .76-1980 |

| Normal 8 | Actual | Normal 9 | Actual | Normal 10 | Actual | Normal 11 | Actual | Normal 12 | Actual | Normal 13 | Actual | Normal 14 | Actual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49.0 max | | 49.0 max | | 53.0 max | | 50.0 max | | 50.0 max | | 53.0 max | | 52.0 max | |
| 27.0 min | | 28.0 min | | 27.0 min | | 28.0 min | | 29.0 min | | 29.0 min | | 32.0 min | |
| .03 ppt | | .06 ppt | | .03 ppt | | .08 ppt | | .09 ppt | | .03 ppt | | .06 ppt | |
| 27 hdd | | 26 hdd | | 25 hdd | | 26 hdd | | 25 hdd | | 24 hdd | | 23 hdd | |
| 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | |
| Highest Max | 76-1990 | Highest Max | 82-1932 | Highest Max | 81-1922 | Highest Max | 77-1951 | Highest Max | 86-1962 | Highest Max | 84-1962 | Highest Max | 80-1910 |
| Lowest Max | 16-1971 | Lowest Max | 23-1982 | Lowest Max | 23-1986 | Lowest Max | 21-1981 | Lowest Max | 28-1948 | Lowest Max | 31-1951 | Lowest Max | 23-1951 |
| Lowest Min | -5-1933 | Lowest Min | -3-1979 | Lowest Min | -3-1929 | Lowest Min | -3-1981 | Lowest Min | 0-1905 | Lowest Min | -15-1905 | Lowest Min | -10-1905 |
| Highest Min | 58-1966 | Highest Min | 50-1957 | Highest Min | 47-1976 | Highest Min | 49-1984 | Highest Min | 47-1952 | Highest Min | 49-1976 | Highest Min | 59-1954 |
| Greatest ppt | .28-1965 | Greatest ppt | .78-1959 | Greatest ppt | .59-1953 | Greatest ppt | 1.18-1977 | Greatest ppt | 1.78-1978 | Greatest ppt | .52-1951 | Greatest ppt | 1.01-1951 |

| Normal 15 | Actual | Normal 16 | Actual | Normal 17 | Actual | Normal 18 | Actual | Normal 19 | Actual | Normal 20 | Actual | Normal 21 | Actual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51.0 max | | 51.0 max | | 54.0 max | | 55.0 max | | 55.0 max | | 55.0 max | | 52.0 max | |
| 31.0 min | | 30.0 min | | 29.0 min | | 32.0 min | | 31.0 min | | 32.0 min | | 31.0 min | |
| .08 ppt | | .03 ppt | | .05 ppt | | .06 ppt | | .07 ppt | | .09 ppt | | .10 ppt | |
| 24 hdd | | 25 hdd | | 23 hdd | | 21 hdd | | 21 hdd | | 22 hdd | | 23 hdd | |
| 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | |
| Highest Max | 80-1976 | Highest Max | 78-1976 | Highest Max | 79-1907 | Highest Max | 78-1930 | Highest Max | 77-1981 | Highest Max | 83-1981 | Highest Max | 80-1982 |
| Lowest Max | 29-1958 | Lowest Max | 16-1979 | Lowest Max | 21-1979 | Lowest Max | 26-1978 | Lowest Max | 31-1959 | Lowest Max | 33-1978 | Lowest Max | 28-1968 |
| Lowest Min | 3-1905 | Lowest Min | 3-1920 | Lowest Min | 9-1978 | Lowest Min | 2-1936 | Lowest Min | 9-1978 | Lowest Min | 9-1918 | Lowest Min | 7-1939 |
| Highest Min | 60-1976 | Highest Min | 50-1976 | Highest Min | 49-1992 | Highest Min | 60-1971 | Highest Min | 48-1951 | Highest Min | 50-1983 | Highest Min | 58-1985 |
| Greatest ppt | .92-1974 | Greatest ppt | .75-1975 | Greatest ppt | 1.37-1961 | Greatest ppt | 1.35-1974 | Greatest ppt | 1.31-1955 | Greatest ppt | 1.05-1951 | Greatest ppt | 1.08-1971 |

| Normal 22 | Actual | Normal 23 | Actual | Normal 24 | Actual | Normal 25 | Actual | Normal 26 | Actual | Normal 27 | Actual | Normal 28 | Actual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54.0 max | | 55.0 max | | 53.0 max | | 57.0 max | | 58.0 max | | 58.0 max | | 56.0 max | |
| 31.0 min | | 33.0 min | | 32.0 min | | 33.0 min | | 34.0 min | | 35.0 min | | 35.0 min | |
| .14 ppt | | .07 ppt | | .07 ppt | | .02 ppt | | .07 ppt | | .16 ppt | | .08 ppt | |
| 22 hdd | | 21 hdd | | 22 hdd | | 20 hdd | | 19 hdd | | 19 hdd | | 19 hdd | |
| 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | | 0 cdd | |
| Highest Max | 80-1982 | Highest Max | 81-1982 | Highest Max | 85-1918 | Highest Max | 82-1917 | Highest Max | 79-1986 | Highest Max | 81-1976 | Highest Max | 82-1972 |
| Lowest Max | 28-1968 | Lowest Max | 32-1975 | Lowest Max | 24-1965 | Lowest Max | 31-1950 | Lowest Max | 30-1960 | Lowest Max | 28-1962 | Lowest Max | 22-1962 |
| Lowest Min | 11-1963 | Lowest Min | 10-1910 | Lowest Min | 8-1965 | Lowest Min | 10-1965 | Lowest Min | 11-1960 | Lowest Min | 13-1962 | Lowest Min | 6-1962 |
| Highest Min | 57-1985 | Highest Min | 51-1992 | Highest Min | 45-1977 | Highest Min | 52-1951 | Highest Min | 58-1981 | Highest Min | 59-1981 | Highest Min | 53-1976 |
| Greatest ppt | 2.99-1985 | Greatest ppt | 1.40-1985 | Greatest ppt | .86-1952 | Greatest ppt | .20-1971 | Greatest ppt | 1.25-1984 | Greatest ppt | 1.12-1950 | Greatest ppt | 2.00-1987 |

## FEBRUARY AVERAGES

| | | |
|---|---|---|
| TEMPERATURE | : | 40.9°F |
| PRECIPITATION | : | 1.93" |
| HEATING DEGREE DAYS | : | 667 |
| COOLING DEGREE DAYS | : | 0 |