

OKLAHOMA MONTHLY SUMMARY MAY 1993

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MONTHLY SUMMARY FOR MAY 1993

Extremely heavy rains and resultant widespread flooding during the Mother's Day weekend produced the most dramatic weather story in May, a month that was notable for its violent weather. Wet, cool weather dominated Oklahoma during most of the month. The statewide averaged precipitation for the month was 7.72 inches, 2.86 inches above normal and the 10th highest May total since 1892. Temperatures averaged 66.6 degrees, 2.1 degrees below normal. Through the first five months of 1993, Oklahoma precipitation reporting stations had received an average of 19.54 inches (5.79 inches above normal). The year-to-date temperature average of 49.6 degrees is 2.1 degrees below normal. Thus far, 1993 ranks as the 6th wettest and 11 coolest year on record. The months of March, April and May represent the state's 12th wettest and 10th coolest spring. Spring precipitation total was 14.43 inches (3.67 inches above normal). The average temperature was 57.3 degrees (2.7 degrees below normal).

Thunderstorms associated with a cold front and an associated low pressure center developed on the afternoon of the 1st, producing tornadoes in Woodward and Harper Counties, wind damage in Lawton and large hail in several areas of western Oklahoma. Large hail was reported later that same evening in the northeast near Claremore. Over 5 inches of rain fell on Drumright overnight with resulting flash flooding causing extensive damage to the downtown area. Heavy thunderstorms continued in eastern Oklahoma through the 2nd.

A slow-moving trough of low pressure in the upper atmosphere and a related surface frontal system moved through the state from the 5th through the 10th, generating widespread very strong thunderstorms that produced several tornadoes and inundated much of the state. Two large tornadoes were reported in rural Texas County on the 5th, destroying a farm house and killing some cattle. Minor flooding was reported overnight in Okmulgee County. A brief tornado was reported in the vicinity of Lone Grove on the 6th. Ardmore reported 5.2 inches of rain and a state highway was closed north of Healdton after 6 to 7 inches of water covered the roadway. Large hail was reported in Carter, Marshall and Bryan Counties. Madill reported 5.03 inches of precipitation.

Heavy rains on the 8th led to local flooding in several small watersheds and overburdened the already strained stream systems of central Oklahoma. Several creeks in Oklahoma City flooded in response to 7 inches of rain in the southern portions of the city, forcing evacuation of nearly 1000 homes. Flood waters forced evacuation of about 300 residents of Guthrie and Kingfisher. Cottonwood Creek in Guthrie reached a record flood stage. The Cimarron river overflowed its banks in Kingfisher, Logan and Payne Counties. Other tributary streams such as Black Bear Creek near Pawnee overflowed in response to the high level of the Cimarron.

Daily precipitation amounts reported the morning of the 9th included 6.97 inches at Piedmont, 6.56 inches at Lookeba and 6.55 inches at Guthrie. Ardmore received 6.48 inches between 5PM on the 8th and 5PM on the 9th. The Bryan County communities of Durant (7.5 inches) and Bokchito (7 inches) reported heavy precipitation for the 24-hour period ending the morning of the 10th. Bird Creek flooded portions of Skiatook and Sperry as a result of heavy rains in Osage County, including over 6 inches at Hominy and Barnsdall.

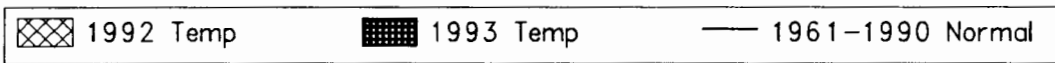
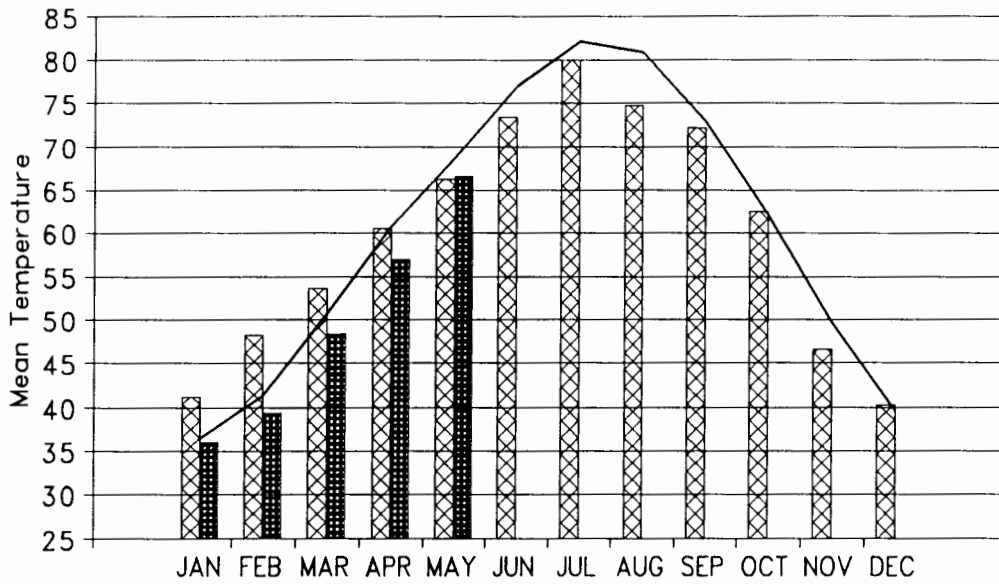
Flooding was reported along the Cimarron, Deep Fork, Neosho, Illinois, Arkansas, Poteau, Caney, North Canadian, Chikaskia, Salt Fork of the Arkansas, North Fork of the Red and Washita Rivers. Local flooding was reported in Bryan County. More than 2700 single family dwellings, mobile homes and apartments were damaged in the weekend flooding. The Federal Emergency Management Agency declared 13 Oklahoma counties to be flood disaster areas. There were five weather-related deaths, all drownings, over the weekend.

The weather for the remainder of the month was more typical of May and much less dramatic. Thunderstorms on the 17th caused considerable wind damage, including hangar doors blown open by 94-mile-per-hour winds at Altus and several roofs blown off of buildings in Nowata. Newkirk, Canton Dam and Leedey all reported over two inches of rain.

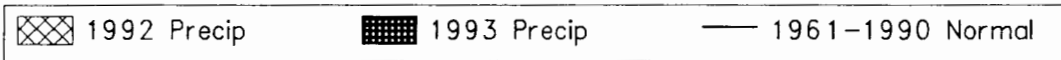
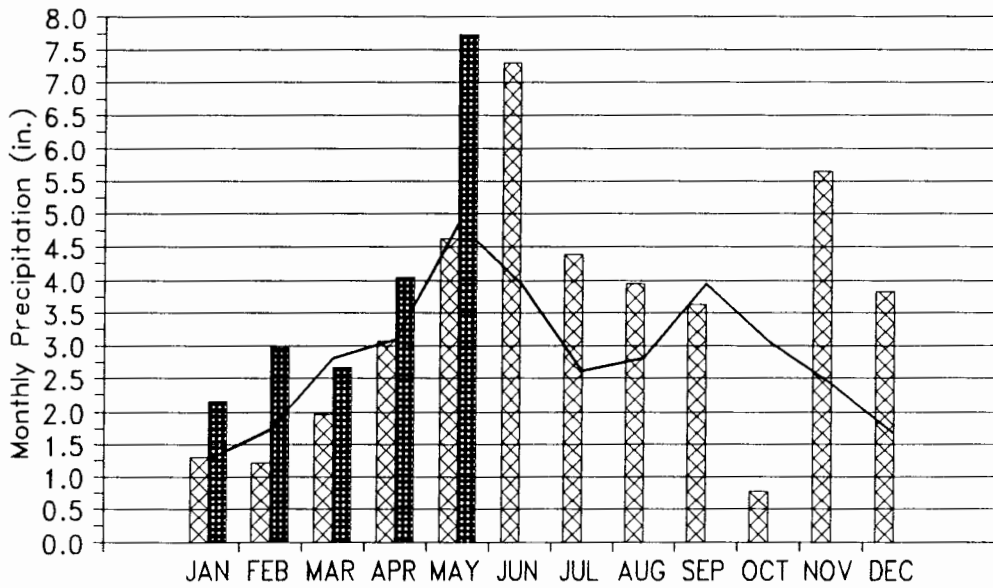
Locally heavy rains and local flooding were reported on the 23rd in Cleveland, McClain and Jefferson Counties. Waurika, Madill, Healdton, Atoka Dam, Lehigh, Norman and Blanchard all reported more than 2 inches of rain. Thunderstorms pounded the state again Memorial Day weekend, although severe weather was minimal. Hardy, Ralston and Upper Spavinaw each reported daily rainfall amounts in excess of two inches. Large hail was reported in Roger Mills County on the 29th, a tornado was spotted east of Jay on the 30th and one and one-half inch hail was reported near Boise City on the 31st.

Howard L. Johnson

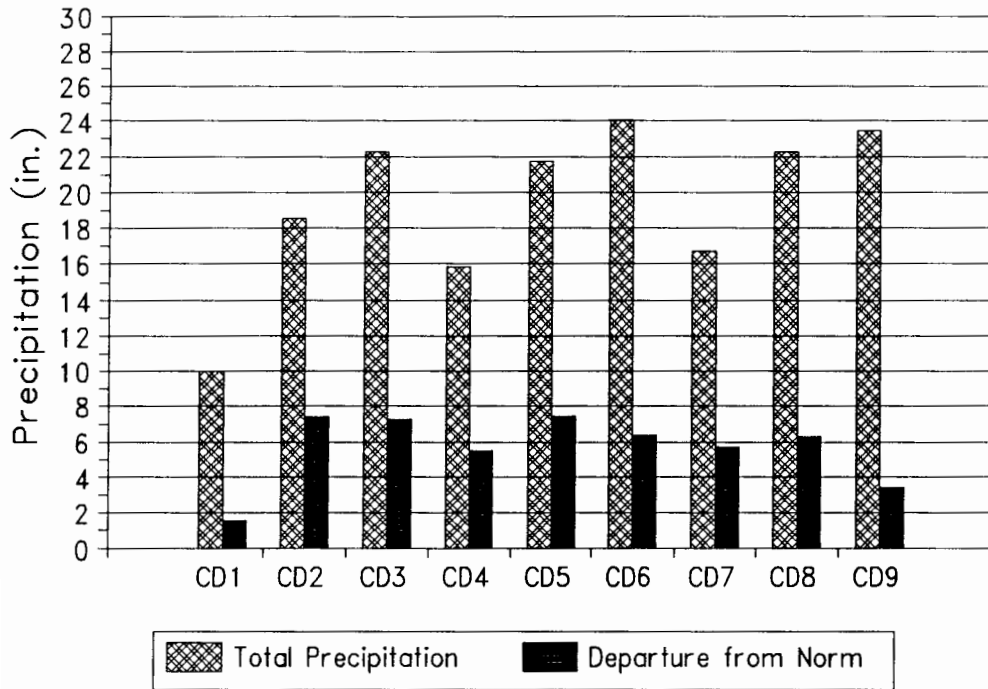
1992 and 1993 STATEWIDE TEMPERATURES Monthly Averages



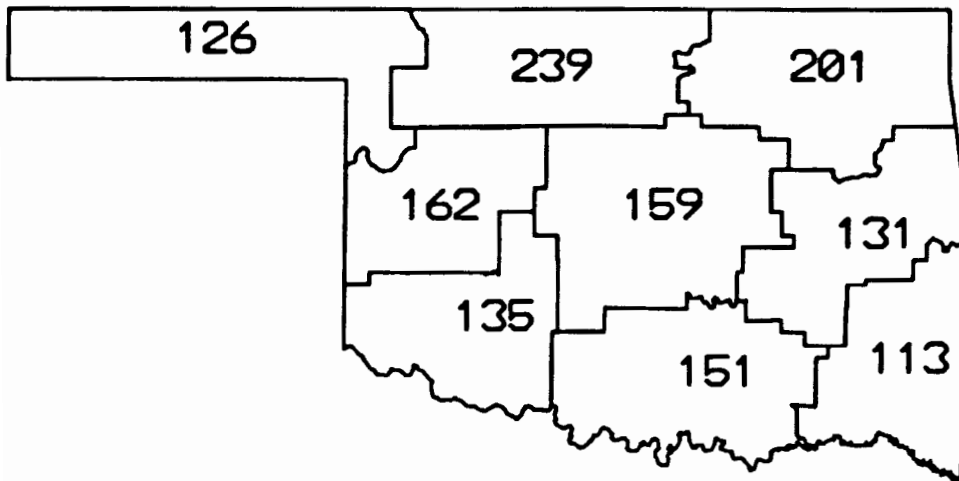
1992 and 1993 STATEWIDE PRECIPITATION Monthly Totals



CD Averaged Precipitation 1993 January through May Totals



CD PERCENT OF NORMAL PRECIPITATION



MAY 1993

EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION
MAY, 1993

| CD | MAX | | | MIN | | | 24-HOUR | | | MONTHLY | |
|----|------|------|--------------|------|------|--------------|---------|------|-------------|---------|------------------|
| | TEMP | DATE | LOCATION | TEMP | DATE | LOCATION | PRECIP | DATE | LOCATION | PRECIP | LOCATION |
| 1 | 94 | 27 | BUFFALO | 33 | 2 | KENTON | 2.10 | 8 | ARNETT | 6.09 | GAGE FAA APT |
| 2 | 91 | 30 | ALVA | 39 | 3 | FT SUPPLY | 4.85 | 9 | MORRISON | 14.81 | GREAT SALT PLAIN |
| 3 | 90 | 2 | UPPER SPAVIN | 42 | 14 | CLAREMORE | 5.65 | 8 | CLEVELAND | 14.13 | WYNONA |
| | 90 | 5 | UPPER SPAVIN | 42 | 14 | JAY TOWER | | | | | |
| | | | | 42 | 15 | PRYOR | | | | | |
| | | | | 42 | 14 | UPPER SPAVIN | | | | | |
| 4 | 91 | 30 | REYDON | 38 | 3 | ERICK | 4.93 | 9 | WEATHERFORD | 11.51 | GEARY |
| | 91 | 31 | WEATHERFORD | | | | | | | | |
| 5 | 91 | 30 | GUTHRIE | 43 | 14 | BRISTOW | 6.97 | 9 | PIEDMONT | 11.92 | GUTHRIE |
| | 91 | 31 | GUTHRIE | 43 | 14 | PURCELL | | | | | |
| 6 | 89 | 15 | MCALESTER | 40 | 14 | STILWELL | 5.33 | 9 | MUSKOGEE | 8.91 | TAHLEQUAH |
| | 89 | 30 | MCCURTAIN | | | | | | | | |
| 7 | 92 | 31 | ALTUS DAM | 41 | 3 | HOLLIS | 6.56 | 9 | LOOKEBA | 11.93 | LOOKEBA |
| | 92 | 30 | CHATTANOOGA | 41 | 3 | MANGUM | | | | | |
| | 92 | 30 | HOLLIS | | | | | | | | |
| 8 | 90 | 17 | DURANT | 42 | 14 | CHICKASAW | 7.50 | 10 | DURANT | 13.91 | ARDMORE |
| | 90 | 17 | WAURIKA DAM | | | | | | | | |
| 9 | 89 | 17 | IDABEL | 42 | 14 | WILBURTON | 6.20 | 10 | BOSWELL | 10.81 | FANSHAWE |

TABLE OF 1992/1993 COMPARISONS

| Station | May Temperature (°F) | | May Precipitation (in.) | |
|---------------|-------------------------|------|----------------------------|-------|
| | 1992 | 1993 | 1992 | 1993 |
| Arnett | 63.1 | 63.1 | 6.50 | 6.05 |
| Enid | 65.7 | 66.7 | 3.63 | 9.20 |
| Mutual | 66.0 | 63.5 | 3.36 | 8.58 |
| Tulsa | 67.5 | 66.6 | 4.24 | 7.00 |
| Elk City | 65.6 | 67.1 | 2.58 | 5.10 |
| Oklahoma City | 66.5 | 66.0 | 4.88 | 10.90 |
| McAlester | 66.9 | 69.4 | 5.05 | 4.99 |
| Altus Irr Sta | 68.1 | 68.8 | 5.62 | 7.87 |
| Durant | 67.8 | 67.5 | 7.50 | 11.33 |
| Ada | 66.2 | 66.6 | 7.80 | 3.68 |
| Antlers | 67.7 | 68.8 | 4.27 | 0.82 |

EXTREMES

| Variable | Station | Division | Observation | Date |
|----------------------------------|---------|----------|-------------|------|
| Minimum temperature (°F) | Kenton | 1 | 33 | 02 |
| Maximum temperature (°F) | Buffalo | 1 | 94 | 27 |
| Maximum 24-hour precipitation | Durant | 8 | 7.50" | 10 |

MAY 1993 SUMMARY FOR NORTHWEST DIVISION (CD1)

| NAME | ID | CD | DEV | | | | | MIN | DAY | HEAT DEG DAY | DEV FROM NORM | COOL DEG DAY | DEV FROM NORM | TOT PPT | NUM OBS | DEV FROM NORM | MAX 24-HR | DAY |
|-----------------|------|----|--------------|------------|--------------|-------------|-----|------|-----|--------------------|---------------------|--------------------|---------------------|------------|------------|---------------------|--------------|-----|
| | | | MEAN TEMP | NUM OBS | FROM NORM | MAX TEMP | DAY | | | | | | | | | | | |
| ARNETT | 332 | 1 | 63.1 | 31 | -2.6 | 87. | 31 | 40. | 3 | 116.5 | 30.5 | 58.5 | -49.5 | 6.050 | 31 | 1.92 | 2.10 | 8 |
| BEAVER | 593 | 1 | 64.5 | 31 | -.4 | 90. | 29 | 37. | 4 | 89.0 | -9.0 | 74.0 | -21.0 | 3.360 | 31 | .32 | 1.92 | 1 |
| BOISE CITY 2 E | 908 | 1 | 62.6 | 31 | -.7 | 89. | 28 | 35. | 1 | 111.5 | -8.5 | 38.0 | -30.0 | 3.421 | 31 | .84 | .70 | 9 |
| BUFFALO | 1243 | 1 | 67.2 | 31 | -1.0 | 94. | 27 | 39. | 3 | 66.0 | 9.0 | 134.5 | -21.5 | 4.050 | 31 | -.31 | 1.25 | 1 |
| FARGO | 3070 | 1 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 5.540 | 31 | 1.85 | 1.53 | 2 |
| GAGE FAA APT | 3407 | 1 | 65.0 | 31 | -2.2 | 91. | 30 | 37. | 3 | 86.5 | 21.5 | 85.5 | -47.5 | 6.088 | 31 | 2.74 | 2.07 | 1 |
| GATE | 3489 | 1 | 65.4 | 31 | -.9 | 93. | 28 | 40. | 3 | 92.0 | 5.0 | 105.5 | -21.5 | 2.963 | 31 | -.07 | 1.41 | 1 |
| GOODWELL RES ST | 3628 | 1 | 62.5 | 31 | -.7 | 89. | 28 | 35. | 4 | 123.5 | -2.5 | 44.5 | -26.5 | 2.391 | 31 | -.72 | .40 | 1 |
| GUYMON | 3835 | 1 | 65.6 | 25 | ***** | 92. | 27 | 37. | 3 | 65.5 | ***** | 79.5 | ***** | 2.820 | 26 | ***** | .89 | 1 |
| HOOVER | 4298 | 1 | 63.8 | 31 | -1.3 | 91. | 28 | 40. | 3 | 110.0 | 16.0 | 72.0 | -25.0 | 2.512 | 31 | -.45 | .70 | 2 |
| KENTON | 4766 | 1 | 63.2 | 29 | ***** | 88. | 27 | 33. | 2 | 86.0 | ***** | 35.0 | ***** | 1.580 | 30 | ***** | .96 | 24 |
| LAVERNE | 5045 | 1 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 3.202 | 31 | -.09 | 1.42 | 1 |
| OPTIMA LAKE | 6740 | 1 | 64.5 | 31 | ***** | 92. | 28 | 37. | 3 | 111.5 | ***** | 95.0 | ***** | 2.804 | 31 | ***** | 1.47 | 1 |
| REGNIER | 7534 | 1 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 3.271 | 31 | 1.02 | 1.10 | 24 |
| TURPIN 4 SSE | 9017 | 1 | 64.1 | 31 | ***** | 91. | 28 | 40. | 3 | 105.0 | ***** | 77.0 | ***** | 3.391 | 31 | ***** | 1.26 | 1 |

MAY 1993 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

| NAME | ID | CD | DEV | | | | | MIN | DAY | HEAT DEG DAY | DEV FROM NORM | COOL DEG DAY | DEV FROM NORM | TOT PPT | NUM OBS | DEV FROM NORM | MAX 24-HR | DAY |
|-----------------|------|----|--------------|------------|--------------|-------------|-----|------|-----|--------------------|---------------------|--------------------|---------------------|------------|------------|---------------------|--------------|-----|
| | | | MEAN TEMP | NUM OBS | FROM NORM | MAX TEMP | DAY | | | | | | | | | | | |
| ALVA | 193 | 2 | 66.5 | 31 | ***** | 91. | 30 | 46. | 4 | 60.5 | ***** | 105.5 | ***** | 11.160 | 31 | ***** | 2.45 | 1 |
| VANCE AFB | 302 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 10.384 | 31 | ***** | 3.26 | 9 |
| BILLINGS | 755 | 2 | 64.1 | 31 | -3.5 | 85. | 31 | 44. | 14 | 101.5 | 37.5 | 73.0 | -72.0 | 11.484 | 31 | 6.97 | 3.20 | 8 |
| BLACKWELL 2E | 818 | 2 | 64.8 | 31 | -2.7 | 85. | 30 | 44. | 20 | 76.5 | 20.5 | 71.5 | -62.5 | 11.060 | 31 | 6.32 | 2.45 | 8 |
| BRAMAN | 1075 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 7.354 | 31 | ***** | 1.51 | 10 |
| CEDARDALE | 1620 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 8.865 | 30 | ***** | 2.00 | 9 |
| CHEROKEE | 1724 | 2 | 66.5 | 28 | ***** | 90. | 30 | 47. | 10 | 58.5 | ***** | 100.5 | ***** | 14.420 | 31 | 10.53 | 2.97 | 1 |
| ENID | 2912 | 2 | 66.7 | 31 | -2.4 | 87. | 31 | 47. | 20 | 58.0 | 28.0 | 110.0 | -47.0 | 9.200 | 31 | 4.40 | 2.70 | 9 |
| FT SUPPLY DAM | 3304 | 2 | 64.4 | 31 | -1.5 | 89. | 31 | 39. | 3 | 101.5 | 26.5 | 82.0 | -21.0 | 4.763 | 31 | 1.07 | 1.64 | 2 |
| FREEDOM | 3358 | 2 | 63.8 | 31 | -4.9 | 89. | 31 | 40. | 14 | 115.0 | 75.0 | 76.5 | -78.5 | 6.832 | 31 | 3.35 | 1.92 | 1 |
| GREAT SALT PLNS | 3740 | 2 | 64.7 | 31 | -3.1 | 90. | 31 | 45. | 1 | 87.5 | 30.5 | 78.0 | -65.0 | 14.812 | 31 | 10.96 | 3.58 | 1 |
| HARDY | 3909 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 10.732 | 31 | ***** | 2.34 | 29 |
| HELENA 1 SSE | 4019 | 2 | 63.9 | 31 | -2.6 | 89. | 31 | 46. | 20 | 95.5 | 17.5 | 60.0 | -65.0 | 11.123 | 31 | 7.10 | 3.00 | 9 |
| JEFFERSON | 4573 | 2 | 68.1 | 27 | ***** | 89. | 30 | 46. | 20 | 25.5 | ***** | 109.0 | ***** | 8.372 | 31 | 3.85 | 2.55 | 3 |
| LAMONT | 5013 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 9.811 | 31 | ***** | 1.72 | 9 |
| MEDFORD | 5768 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 10.632 | 31 | ***** | 2.07 | 8 |
| MORRISON | 6065 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 9.940 | 31 | ***** | 4.85 | 9 |
| MUTUAL | 6139 | 2 | 63.5 | 31 | -2.5 | 88. | 31 | 43. | 3 | 107.5 | 26.5 | 60.5 | -51.5 | 8.580 | 31 | 4.56 | 2.07 | 2 |
| NEWKIRK | 6278 | 2 | 65.2 | 31 | -2.9 | 85. | 30 | 43. | 19 | 78.0 | 28.0 | 85.0 | -61.0 | 13.271 | 31 | 8.38 | 2.97 | 8 |
| ORIENTA | 6751 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 10.680 | 31 | 6.90 | 2.80 | 9 |
| PERRY | 7012 | 2 | 67.8 | 31 | -1.4 | 89. | 30 | 49. | 19 | 41.5 | 4.5 | 127.0 | -40.0 | 8.341 | 31 | 3.07 | 3.92 | 9 |
| PONCA CITY FAA | 7201 | 2 | 66.6 | 31 | -1.2 | 88. | 30 | 46. | 20 | 60.0 | -8.0 | 109.0 | -46.0 | 12.384 | 31 | 7.82 | 3.47 | 8 |
| RED ROCK 1 NNE | 7505 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 8.300 | 31 | 3.69 | 3.38 | 9 |
| WAYNOKA | 9404 | 2 | 65.6 | 31 | -3.3 | 89. | 30 | 42. | 3 | 72.0 | 34.0 | 89.5 | -69.5 | 12.270 | 31 | 8.17 | 2.71 | 1 |
| WOODWARD | 9760 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 3.031 | 31 | -.93 | 1.31 | 8 |

MAY 1993 SUMMARY FOR NORTHEAST DIVISION (CD3)

| NAME | ID | CD | DEV | | | | | HEAT | | DEV | | COOL | | DEV | | TOT PPT | NUM OBS | DEV | |
|-----------------|------|----|-----------|---------|-----------|----------|---------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|---------|-----------|-----|
| | | | MEAN TEMP | NUM OBS | FROM NORM | MAX TEMP | MIN DAY | DEG DAY | FROM NORM | DEG DAY | FROM NORM | DEG DAY | FROM NORM | DEG DAY | FROM NORM | | | 24-HR MAX | DAY |
| BARNSDALL | 535 | 3 | 65.7 | 31 | -2.9 | 84. | 15 | 43. | 14 | 65.0 | 32.0 | 86.0 | -59.0 | 12.718 | 31 | 7.92 | 4.94 | 9 | |
| BARTLESVILLE 2W | 548 | 3 | 66.5 | 31 | -2.2 | 86. | 15 | 45. | 20 | 52.0 | 17.0 | 98.0 | -51.0 | 9.512 | 31 | 5.11 | 3.55 | 9 | |
| BIXBY | 782 | 3 | 65.3 | 31 | -2.3 | 87. | 31 | 44. | 15 | 72.0 | 22.0 | 81.5 | -49.5 | 7.540 | 31 | 2.54 | 2.60 | 9 | |
| BURBANK | 1256 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 9.261 | 31 | 4.53 | 2.59 | 8 | |
| CHELSEA 4 S | 1717 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 9.830 | 31 | ***** | 4.14 | 9 | |
| CLAREMORE | 1828 | 3 | 65.1 | 31 | -1.9 | 84. | 16 | 42. | 14 | 79.0 | 12.0 | 82.0 | -47.0 | 11.450 | 31 | 6.81 | 4.73 | 9 | |
| CLEVELAND 5 WSW | 1902 | 3 | 68.0 | 12 | ***** | 85. | 30 | 45. | 22 | 11.0 | ***** | 47.0 | ***** | 13.780 | 31 | ***** | 5.65 | 8 | |
| FORAKER | 3250 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 12.111 | 31 | 7.01 | 2.62 | 30 | |
| HOLLOW | 4258 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 12.312 | 31 | 7.29 | 3.12 | 9 | |
| HOMINY | 4289 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 11.942 | 31 | 7.39 | 4.84 | 9 | |
| HULAH DAM | 4393 | 3 | 65.6 | 29 | ***** | 85. | 16 | 46. | 19 | 66.5 | ***** | 85.0 | ***** | 10.310 | 31 | 5.77 | 4.23 | 9 | |
| JAY TOWER | 4567 | 3 | 65.4 | 31 | ***** | 86. | 16 | 42. | 14 | 75.0 | ***** | 86.0 | ***** | 8.640 | 31 | ***** | 3.00 | 9 | |
| KANSAS 1 ESE | 4672 | 3 | 64.8 | 31 | -2.4 | 82. | 15 | 43. | 14 | 68.5 | 14.5 | 62.0 | -60.0 | 7.337 | 31 | 1.95 | 3.05 | 9 | |
| KEYSTONE DAM | 4812 | 3 | 65.1 | 30 | -2.2 | 83. | 31 | 43. | 14 | 79.0 | 23.0 | 82.0 | -45.0 | 6.814 | 31 | 1.82 | 2.60 | 9 | |
| LENAPAH | 5118 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 10.400 | 31 | ***** | 3.75 | 9 | |
| MANNFORD 6 NW | 5522 | 3 | 65.3 | 29 | ***** | 85. | 30 | 45. | 14 | 63.0 | ***** | 73.0 | ***** | 8.590 | 31 | 3.77 | 3.88 | 8 | |
| MARAMEC | 5540 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 13.650 | 31 | 8.86 | 5.48 | 9 | |
| MIAMI | 5855 | 3 | 65.4 | 31 | -1.3 | 84. | 16 | 45. | 15 | 52.0 | -22.0 | 65.0 | -61.0 | 9.820 | 31 | 4.81 | 3.36 | 9 | |
| NOWATA | 6485 | 3 | 65.4 | 30 | -2.7 | 84. | 16 | 45. | 15 | 58.5 | 9.5 | 71.5 | -73.5 | 7.702 | 31 | 3.22 | 1.69 | 10 | |
| ONETA 1 WNW | 6713 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 7.320 | 31 | ***** | 3.16 | 9 | |
| PAWHUSKA | 6935 | 3 | 66.0 | 31 | -2.0 | 84. | 31 | 44. | 19 | 60.5 | 14.5 | 92.0 | -47.0 | 12.561 | 31 | 7.72 | 4.40 | 9 | |
| PAWNEE | 6940 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 9.980 | 31 | 5.08 | 4.20 | 9 | |
| PRYOR 6 N | 7309 | 3 | 65.2 | 26 | ***** | 88. | 5 | 42. | 15 | 67.0 | ***** | 71.0 | ***** | 7.482 | 31 | 2.81 | 3.60 | 9 | |
| RALSTON | 7390 | 3 | 66.3 | 31 | -2.5 | 86. | 30 | 45. | 14 | 55.5 | 15.5 | 94.5 | -63.5 | 10.012 | 31 | 5.25 | 3.22 | 9 | |
| RAMONA 4 N | 7394 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 7.582 | 31 | ***** | 4.40 | 9 | |
| SKIATOOK | 8258 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 7.310 | 31 | 2.62 | 3.08 | 9 | |
| SPAVINAW | 8380 | 3 | 67.2 | 31 | -1.5 | 85. | 16 | 45. | 14 | 48.0 | 7.0 | 116.0 | -40.0 | 8.292 | 31 | 3.52 | 3.13 | 9 | |
| TULSA WSO APT | 8992 | 3 | 66.6 | 31 | -2.7 | 84. | 30 | 46. | 14 | 53.5 | 12.5 | 102.5 | -71.5 | 7.006 | 31 | 1.41 | 2.96 | 9 | |
| UPPER SPAVINAW | 9101 | 3 | 65.3 | 31 | ***** | 90. | 5 | 42. | 14 | 84.0 | ***** | 94.0 | ***** | 8.733 | 31 | ***** | 2.75 | 9 | |
| VINITA 2 N | 9203 | 3 | 65.4 | 29 | ***** | 83. | 15 | 42. | 14 | 46.5 | ***** | 58.0 | ***** | 9.111 | 31 | 4.00 | 2.95 | 9 | |
| WAGONER | 9247 | 3 | 67.1 | 31 | -1.9 | 83. | 31 | 45. | 14 | 55.0 | 21.0 | 120.5 | -37.5 | 7.980 | 31 | 3.03 | 3.81 | 9 | |
| WANN | 9298 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 12.001 | 31 | ***** | 3.53 | 9 | |
| WYONONA | 9792 | 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 14.133 | 31 | ***** | 4.85 | 9 | |

MAY 1993 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

| NAME | ID | CD | DEV | | | | | HEAT | | DEV | | COOL | | DEV | | TOT PPT | NUM OBS | DEV | |
|----------------|------|----|-----------|---------|-----------|----------|---------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|---------|-----------|-----|
| | | | MEAN TEMP | NUM OBS | FROM NORM | MAX TEMP | MIN DAY | DEG DAY | FROM NORM | DEG DAY | FROM NORM | DEG DAY | FROM NORM | DEG DAY | FROM NORM | | | 24-HR MAX | DAY |
| CANTON DAM | 1445 | 4 | 64.2 | 31 | -3.2 | 86. | 31 | 46. | 10 | 92.5 | 38.5 | 68.0 | -60.0 | 9.971 | 31 | 5.63 | 2.80 | 9 | |
| CHEYENNE | 1738 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 3.510 | 31 | -.52 | 1.69 | 11 | |
| CLINTON | 1909 | 4 | 67.0 | 31 | -2.5 | 89. | 30 | 41. | 3 | 47.0 | 17.0 | 110.0 | -60.0 | 6.942 | 31 | 2.01 | 3.15 | 9 | |
| COLONY | 2039 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 9.513 | 31 | ***** | 4.50 | 9 | |
| CORDELL | 2125 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 7.032 | 31 | 2.34 | 3.58 | 9 | |
| ELK CITY 1 E | 2849 | 4 | 67.1 | 30 | -1.5 | 89. | 31 | 43. | 3 | 51.0 | 24.0 | 114.5 | -24.5 | 5.103 | 31 | .53 | 1.16 | 8 | |
| ERICK 4 E | 2944 | 4 | 67.1 | 31 | -1.2 | 89. | 30 | 38. | 3 | 47.0 | 7.0 | 112.0 | -30.0 | 5.370 | 31 | 1.28 | 1.42 | 8 | |
| GEARY | 3497 | 4 | 69.1 | 31 | .8 | 90. | 30 | 53. | 14 | 27.5 | -10.5 | 154.5 | 14.5 | 11.510 | 31 | 7.01 | 4.67 | 9 | |
| HAMMON 1 NNE | 3871 | 4 | 63.5 | 30 | -3.4 | 86. | 18 | 41. | 3 | 103.0 | 41.0 | 57.0 | -64.0 | 5.571 | 30 | ***** | 1.26 | 2 | |
| LEEDEY | 5090 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 7.250 | 31 | 2.83 | 2.06 | 18 | |
| MACKIE 4 NNW | 5463 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 5.800 | 31 | ***** | 1.98 | 18 | |
| MORAVIA 2 NNE | 6035 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.321 | 31 | 1.65 | 3.01 | 9 | |
| OKEENE | 6629 | 4 | 66.4 | 31 | -2.9 | 88. | 30 | 46. | 14 | 52.0 | 22.0 | 95.5 | -67.5 | 8.540 | 31 | 4.10 | 2.25 | 9 | |
| RETROP | 7565 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.790 | 31 | ***** | 4.35 | 9 | |
| REYDON | 7579 | 4 | 70.0 | 31 | 3.0 | 91. | 30 | 46. | 3 | 23.5 | -37.5 | 177.0 | 54.0 | 4.910 | 31 | .98 | 1.41 | 2 | |
| SAYRE | 7952 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.710 | 31 | 2.38 | 1.75 | 9 | |
| SWEETWATER 2 E | 8652 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.300 | 31 | ***** | .85 | 22 | |
| TALOGA | 8708 | 4 | 65.3 | 31 | -2.3 | 90. | 30 | 43. | 10 | 72.5 | 21.5 | 82.0 | -50.0 | 8.473 | 31 | 3.73 | 3.65 | 9 | |
| THOMAS | 8815 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.960 | 31 | ***** | 3.08 | 9 | |
| VICI | 9172 | 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.930 | 31 | 2.52 | 1.76 | 2 | |
| WATONGA | 9364 | 4 | 65.7 | 31 | -2.7 | 87. | 30 | 46. | 14 | 64.0 | 28.0 | 86.5 | -55.5 | 8.870 | 31 | 4.25 | 3.02 | 9 | |
| WEATHERFORD | 9422 | 4 | 66.0 | 31 | -2.3 | 91. | 31 | 46. | 3 | 62.5 | 25.5 | 94.0 | -45.0 | 9.031 | 31 | 4.42 | 4.93 | 9 | |

MAY 1993 SUMMARY FOR CENTRAL DIVISION (CD5)

| NAME | ID | CD | DEV | | | | | | HEAT | | | | COOL | | | | TOT PPT | NUM OBS | DEV | | |
|-----------------|------|----|-----------|---------|-----------|----------|----------|------|---------|---------------|---------|---------------|---------|---------------|---------|---------------|---------|---------|-------|-----|--|
| | | | MEAN TEMP | NUM OBS | FROM NORM | MAX TEMP | MIN TEMP | DAY | DEG DAY | DEV FROM NORM | DEG DAY | DEV FROM NORM | DEG DAY | DEV FROM NORM | DEG DAY | DEV FROM NORM | | | 24-HR | DAY | |
| AMBER | 200 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | ***** | 6.720 | 31 | ***** | 3.20 | 9 | | |
| ARCADIA | 288 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | ***** | 8.912 | 31 | ***** | 5.97 | 9 | | |
| TINKER AFB | 325 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | ***** | 6.054 | 30 | ***** | 3.25 | 9 | | |
| BLANCHARD 2 SSW | 830 | 5 | 67.4 | 31 | -2.2 | 88.0 | 30 | 45. | 19 | 36.5 | 15.5 | 112.0 | -52.0 | 7.341 | 31 | 2.39 | 1.98 | 23 | | | |
| BRISTOW | 1144 | 5 | 66.8 | 31 | -2.4 | 86.0 | 15 | 43. | 14 | 54.5 | 27.5 | 109.5 | -47.5 | 5.635 | 31 | .13 | 2.38 | 9 | | | |
| CHANDLER | 1684 | 5 | 67.5 | 31 | -1.7 | 87.0 | 31 | 46. | 19 | 33.0 | 6.0 | 112.0 | -45.0 | 7.620 | 31 | 2.34 | 4.42 | 9 | | | |
| CHICKASHA EX ST | 1750 | 5 | 67.2 | 31 | -3.2 | 89.0 | 30 | 48. | 14 | 41.5 | 28.5 | 110.5 | -70.5 | 8.400 | 31 | 3.72 | 3.85 | 9 | | | |
| COX CITY 1 E | 2196 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.880 | 31 | ***** | 3.36 | 9 | | | |
| CRESCENT | 2242 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 10.610 | 31 | ***** | 5.95 | 9 | | | |
| CUSHING | 2318 | 5 | 65.1 | 30 | -2.9 | 84.0 | 17 | 50. | 21 | 72.0 | 23.0 | 74.5 | -67.5 | 9.951 | 31 | 4.55 | 4.70 | 9 | | | |
| EL RENO 1 N | 2818 | 5 | 67.3 | 31 | -1.4 | 88.0 | 30 | 47. | 14 | 40.0 | 14.0 | 111.0 | -30.0 | 8.530 | 31 | 3.12 | 4.48 | 9 | | | |
| GUTHRIE | 3821 | 5 | 68.6 | 31 | -1.1 | 91.0 | 31 | 47. | 14 | 35.5 | 7.5 | 148.0 | -26.0 | 11.921 | 31 | 6.95 | 6.55 | 9 | | | |
| HENNESSEY 4 ESE | 4055 | 5 | 65.4 | 21 | ***** | 85.0 | 29 | 47. | 20 | 51.0 | ***** | 59.5 | ***** | 11.761 | 31 | 7.02 | 5.55 | 9 | | | |
| INGALLS | 4489 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 9.215 | 31 | ***** | 4.12 | 9 | | | |
| KINGFISHER 2 SE | 4861 | 5 | 66.2 | 29 | ***** | 89.0 | 30 | 48. | 19 | 49.5 | ***** | 85.0 | ***** | 9.870 | 31 | 5.24 | 4.40 | 9 | | | |
| KONAWA | 4915 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 5.502 | 31 | -2.0 | 2.62 | 9 | | | |
| MARSHALL | 5589 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 9.360 | 31 | 4.48 | 3.71 | 9 | | | |
| MEEKER 4 W | 5779 | 5 | 65.8 | 31 | -3.2 | 84.0 | 30 | 46. | 19 | 63.5 | 34.5 | 87.0 | -66.0 | 9.010 | 31 | 3.44 | 4.36 | 8 | | | |
| MULHALL | 6110 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 9.870 | 31 | ***** | 5.53 | 9 | | | |
| NORMAN 3 S | 6386 | 5 | 66.6 | 31 | -3.1 | 89.0 | 30 | 45. | 14 | 51.5 | 36.5 | 101.0 | -60.0 | 7.030 | 31 | 1.87 | 2.45 | 9 | | | |
| OILTON 2 SE | 6616 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 11.574 | 31 | ***** | 4.27 | 8 | | | |
| OKEMAH | 6638 | 5 | 67.9 | 31 | -1.1 | 88.0 | 15 | 49. | 14 | 37.0 | 13.0 | 128.0 | -20.0 | 6.361 | 31 | 1.06 | 2.03 | 9 | | | |
| OKLAHOMA CTY WS | 6661 | 5 | 66.0 | 31 | -2.4 | 88.0 | 30 | 48. | 19 | 56.0 | 25.0 | 85.5 | -50.5 | 10.903 | 31 | 5.68 | 6.64 | 8 | | | |
| PERKINS | 7003 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 10.180 | 31 | 4.69 | 4.87 | 9 | | | |
| PIEDMONT | 7068 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 11.260 | 31 | ***** | 6.97 | 9 | | | |
| PRAGUE | 7264 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 3.062 | 31 | -2.23 | .67 | 23 | | | |
| PURCELL 5 SW | 7327 | 5 | 67.6 | 31 | -2.4 | 89.0 | 31 | 43. | 14 | 31.5 | 17.5 | 112.5 | -56.5 | 8.853 | 31 | 3.28 | 3.40 | 9 | | | |
| SEMINOLE | 8042 | 5 | 68.5 | 31 | -2.1 | 87.0 | 18 | 46. | 14 | 32.0 | 17.0 | 141.0 | -48.0 | 5.370 | 31 | .14 | 1.93 | 9 | | | |
| SHAWNEE | 8110 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 5.590 | 31 | -.08 | 2.11 | 9 | | | |
| STELLA | 8479 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 9.200 | 30 | ***** | 4.13 | 8 | | | |
| STILLWATER 2 W | 8501 | 5 | 66.1 | 31 | -1.6 | 88.0 | 31 | 45. | 14 | 61.0 | 12.0 | 94.0 | -39.0 | 9.470 | 31 | 4.34 | 4.75 | 9 | | | |
| STROUD 1 N | 8563 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 8.731 | 31 | ***** | 3.54 | 9 | | | |
| TECUMSEH | 8751 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.850 | 31 | ***** | 2.14 | 9 | | | |
| TROUSDALE | 8960 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 5.440 | 31 | ***** | 1.72 | 9 | | | |
| UNION CITY 1 SE | 9086 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 8.792 | 31 | 3.20 | 4.73 | 9 | | | |
| WELTY 1 SSE | 9479 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.403 | 31 | ***** | 2.20 | 9 | | | |
| WEWOKA | 9575 | 5 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 8.240 | 31 | 3.03 | 4.30 | 9 | | | |

MAY 1993 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

| NAME | ID | CD | DEV | | | | | | HEAT | | | | COOL | | | | TOT PPT | NUM OBS | DEV | | |
|----------------|------|----|-----------|---------|-----------|----------|----------|------|---------|---------------|---------|---------------|---------|---------------|---------|---------------|---------|---------|-------|-----|--|
| | | | MEAN TEMP | NUM OBS | FROM NORM | MAX TEMP | MIN TEMP | DAY | DEG DAY | DEV FROM NORM | DEG DAY | DEV FROM NORM | DEG DAY | DEV FROM NORM | DEG DAY | DEV FROM NORM | | | 24-HR | DAY | |
| ASHLAND | 364 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.465 | 31 | ***** | 2.40 | 9 | | | |
| BEGGS | 631 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.901 | 31 | ***** | 2.30 | 8 | | | |
| BOYNTON | 1027 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 8.514 | 31 | ***** | 3.30 | 9 | | | |
| CALVIN | 1391 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.831 | 31 | -3.85 | .95 | 24 | | | |
| CHECOTAH | 1711 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 8.354 | 31 | 2.93 | 2.82 | 9 | | | |
| CLAYTON 14 WNW | 1858 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 7.182 | 31 | ***** | 3.27 | 10 | | | |
| DEWAR 2 NE | 2485 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.760 | 31 | 1.53 | 2.45 | 9 | | | |
| DUSTIN | 2690 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 8.460 | 31 | ***** | 3.00 | 9 | | | |
| EUFULA | 2993 | 6 | 68.3 | 31 | -2.1 | 87.0 | 15 | 46. | 14 | 35.0 | 18.0 | 138.0 | -46.0 | 7.330 | 31 | 1.65 | 2.60 | 9 | | | |
| HANNA | 3884 | 6 | 67.7 | 31 | -1.8 | 87.0 | 15 | 45. | 14 | 44.5 | 26.5 | 128.5 | -29.5 | 6.804 | 31 | .79 | 2.06 | 9 | | | |
| HARTSHORNE | 3946 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.700 | 31 | ***** | 2.85 | 10 | | | |
| HASKELL | 3956 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 8.503 | 31 | 3.29 | 2.62 | 9 | | | |
| HOLDENVILLE | 4235 | 6 | 67.8 | 31 | -1.6 | 86.0 | 17 | 44. | 14 | 35.0 | 15.0 | 123.0 | -33.0 | 6.281 | 31 | .89 | 1.79 | 9 | | | |
| LAKE EUFAULA | 4975 | 6 | 67.4 | 31 | ***** | 87.0 | 31 | 48. | 14 | 51.0 | ***** | 125.5 | ***** | 7.752 | 31 | ***** | 2.62 | 9 | | | |
| LYONS 2 N | 5437 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 8.832 | 31 | 3.22 | 4.52 | 9 | | | |
| MARBLE CITY | 5546 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 8.116 | 31 | ***** | 2.72 | 10 | | | |
| MCALESTER FAA | 5664 | 6 | 69.4 | 31 | .3 | 89.0 | 15 | 44. | 14 | 28.5 | -6.5 | 165.0 | 3.0 | 4.985 | 31 | -.91 | 1.76 | 10 | | | |
| MCCURTAIN 1 SE | 5693 | 6 | 69.0 | 31 | -.7 | 89.0 | 30 | 46. | 14 | 35.0 | 9.0 | 159.0 | -12.0 | 6.687 | 31 | .65 | 2.52 | 10 | | | |
| MUSKOGEE | 6130 | 6 | 67.6 | 31 | -1.5 | 86.0 | 30 | 45. | 14 | 48.5 | 15.5 | 130.0 | -30.0 | 8.400 | 31 | 3.28 | 5.33 | 9 | | | |
| OKMULGEE W W | 6670 | 6 | 65.5 | 28 | ***** | 85.0 | 16 | 47. | 14 | 64.5 | ***** | 78.5 | ***** | 7.611 | 30 | ***** | 2.50 | 9 | | | |
| OKTAHA 2 NE | 6678 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.910 | 31 | ***** | 2.61 | 9 | | | |
| QUINTON | 7372 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.614 | 31 | .72 | 2.34 | 10 | | | |
| SALLISAW 2 NE | 7862 | 6 | 67.2 | 31 | -2.2 | 87.0 | 30 | 43. | 14 | 44.0 | 17.0 | 112.5 | -51.5 | 5.633 | 31 | -.18 | 2.17 | 9 | | | |
| SCIPIO | 7979 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 5.790 | 31 | ***** | 1.72 | 10 | | | |
| SCRAPER | 7993 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 7.700 | 31 | ***** | 3.20 | 10 | | | |
| SHORT | 8170 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 5.333 | 31 | ***** | 2.23 | 10 | | | |
| STILWELL 1 NE | 8506 | 6 | 65.8 | 31 | -1.6 | 83.0 | 15 | 40. | 14 | 65.0 | 13.0 | 89.0 | -37.0 | 8.211 | 31 | 2.54 | 2.82 | 9 | | | |
| TAHLEQUAH | 8677 | 6 | 65.8 | 31 | -2.2 | 85.0 | 30 | 42. | 14 | 60.0 | -2.0 | 85.5 | -69.5 | 8.910 | 31 | 3.53 | 3.95 | 9 | | | |
| WEBBERS FALLS | 9445 | 6 | 65.8 | 31 | -2.7 | 87.0 | 31 | 43. | 15 | 71.0 | 29.0 | 96.5 | -53.5 | 6.870 | 31 | 1.23 | 2.26 | 10 | | | |
| WESTVILLE | 9523 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 8.254 | 31 | ***** | 2.76 | 9 | | | |
| WETUMKA 3 NE | 9571 | 6 | ***** | 0 | ***** | 88.0 | 0 | **** | 0 | ***** | ***** | ***** | ***** | 7.940 | 31 | 2.65 | 3.75 | 9 | | | |

MAY 1993 SUMMARY FOR SOUTHWEST DIVISION (CD7)

| NAME | ID | CD | DEV | | | | | HEAT | | DEV | | COOL | | DEV | | TOT PPT | NUM OBS | DEV FROM NORM | MAX 24-HR | DAY |
|----------------|--------|----|-----------|---------|-----------|----------|----------|-------|---------|-----------|---------|-----------|---------|-----------|----|---------|---------|---------------|-----------|-----|
| | | | MEAN TEMP | NUM OBS | FROM NORM | MAX TEMP | MIN TEMP | DAY | DEG DAY | FROM NORM | DEG DAY | FROM NORM | DEG DAY | FROM NORM | | | | | | |
| ALTUS IRR STA | 179 | 7 | 68.8 | 31 | -2.8 | 91. | 30 | 42. | 3 | 34.5 | 22.5 | 153.0 | -63.0 | 7.870 | 31 | 3.64 | 2.03 | 9 | | |
| ALTUS DAM | 184 | 7 | 67.9 | 31 | -2.2 | 92. | 31 | 42. | 3 | 56.0 | 35.0 | 145.0 | -34.0 | 6.990 | 31 | 2.58 | 3.48 | 9 | | |
| ANADARKO | 224 | 7 | 66.7 | 29 | ***** | 88. | 31 | 46. | 14 | 39.5 | ***** | 88.0 | ***** | 5.362 | 30 | ***** | 2.30 | 9 | | |
| APACHE | 260 | 7 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 5.130 | 31 | .12 | 2.00 | 9 | | |
| ALTUS AFB | 447 | 7 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 7.845 | 31 | ***** | 2.67 | 9 | | |
| CARNEGIE 2 ENE | 1504 | 7 | 68.0 | 30 | -1.8 | 91. | 30 | 46. | 19 | 27.5 | 10.5 | 118.5 | -47.5 | 6.611 | 30 | ***** | 2.63 | 9 | | |
| CHATTANOOGA | 1706 | 7 | 69.5 | 29 | ***** | 92. | 30 | 45. | 3 | 22.5 | ***** | 152.5 | ***** | 4.042 | 29 | ***** | 2.12 | 9 | | |
| DUNCAN 11 W | 2668 | 7 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 5.164 | 31 | ***** | 2.17 | 8 | | |
| FREDERICK | 3353 | 7 | 67.1 | 31 | -3.2 | 89. | 31 | 45. | 3 | 53.5 | 34.5 | 118.0 | -65.0 | 4.780 | 31 | .48 | 2.10 | 2 | | |
| GRANDFIELD 4 | NW3709 | 7 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 3.180 | 31 | -1.23 | 2.20 | 9 | | |
| HEADRICK | 3998 | 7 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 5.702 | 31 | ***** | 2.02 | 9 | | |
| HOBART FAA APT | 4204 | 7 | 66.9 | 31 | -3.0 | 89. | 30 | 42. | 3 | 51.5 | 28.5 | 109.0 | -66.0 | 8.913 | 31 | 4.41 | 4.08 | 9 | | |
| HOLLIS | 4249 | 7 | 69.0 | 31 | -2.2 | 92. | 30 | 41. | 3 | 32.0 | 15.0 | 156.5 | -52.5 | 4.482 | 31 | .96 | 1.87 | 9 | | |
| LAWTON | 5063 | 7 | 68.1 | 31 | -1.9 | 90. | 31 | 49. | 14 | 39.0 | 24.0 | 136.5 | -33.5 | 4.321 | 31 | -.60 | 1.57 | 9 | | |
| FORT SILL | 5068 | 7 | 68.0 | 31 | ***** | 89. | 30 | 50. | 14 | 33.5 | ***** | 125.5 | ***** | 5.905 | 31 | ***** | 1.81 | 23 | | |
| LOOKEBA 2 ENE | 5329 | 7 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 11.930 | 31 | 7.12 | 6.56 | 9 | | |
| MANGUM RES STA | 5509 | 7 | 67.1 | 31 | -4.3 | 90. | 30 | 41. | 3 | 39.0 | 25.0 | 104.5 | -108.5 | 5.840 | 31 | 1.59 | 2.71 | 9 | | |
| RANDLETT 9 E | 7403 | 7 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 6.771 | 31 | ***** | 3.78 | 9 | | |
| ROOSEVELT | 7727 | 7 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 6.800 | 31 | 1.95 | 2.68 | 9 | | |
| SEDAN | 8016 | 7 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 7.230 | 31 | ***** | 3.62 | 9 | | |
| SNYDER | 8299 | 7 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 4.063 | 31 | -.62 | 1.93 | 9 | | |
| VINSON 3 WNW | 9212 | 7 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 5.260 | 31 | 1.29 | 1.40 | 9 | | |
| WALTERS | 9278 | 7 | 68.8 | 31 | -2.7 | 90. | 30 | 48. | 3 | 23.0 | 14.0 | 139.5 | -71.5 | 2.920 | 31 | -2.20 | .86 | 3 | | |
| WICHITA MT WLR | 9629 | 7 | 65.3 | 30 | -2.9 | 89. | 31 | 43. | 14 | 75.5 | 43.5 | 85.5 | -45.5 | 5.552 | 31 | .57 | 1.72 | 9 | | |
| WILLOW | 9668 | 7 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 8.941 | 31 | ***** | 4.14 | 9 | | |

MAY 1993 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

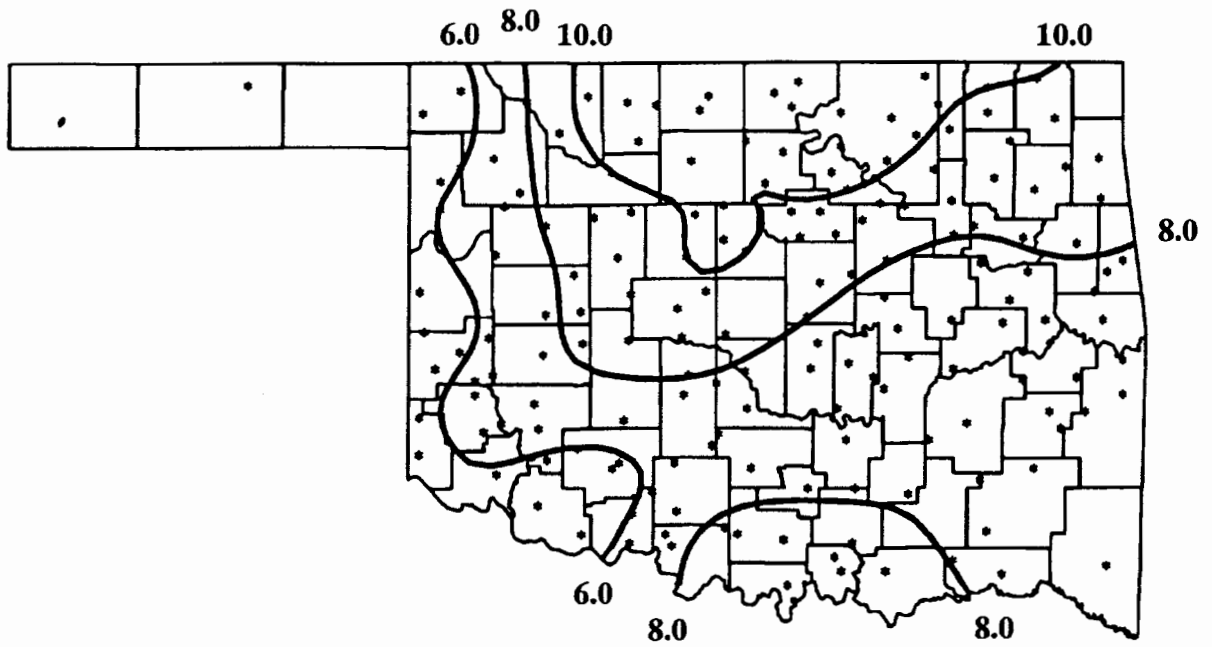
| NAME | ID | CD | DEV | | | | | HEAT | | DEV | | COOL | | DEV | | TOT PPT | NUM OBS | DEV FROM NORM | MAX 24-HR | DAY |
|------------------|------|----|-----------|---------|-----------|----------|----------|-------|---------|-----------|---------|-----------|---------|-----------|----|---------|---------|---------------|-----------|-----|
| | | | MEAN TEMP | NUM OBS | FROM NORM | MAX TEMP | MIN TEMP | DAY | DEG DAY | FROM NORM | DEG DAY | FROM NORM | DEG DAY | FROM NORM | | | | | | |
| ADA | 17 | 8 | 66.6 | 31 | -3.0 | 85. | 17 | 46. | 14 | 38.5 | 18.5 | 89.5 | -73.5 | 3.683 | 31 | -1.94 | 1.78 | 9 | | |
| ALLEN | 147 | 8 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 5.110 | 31 | ***** | 1.76 | 10 | | |
| ARDMORE | 292 | 8 | 68.6 | 30 | -3.4 | 87. | 16 | 49. | 10 | 23.0 | 18.0 | 129.5 | -92.5 | 13.912 | 31 | 8.93 | 6.48 | 9 | | |
| ATOKA DAM | 394 | 8 | 67.4 | 21 | ***** | 89. | 17 | 49. | 14 | 27.0 | ***** | 77.5 | ***** | 8.153 | 23 | ***** | 3.98 | 10 | | |
| BOKCHITO | 917 | 8 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 8.330 | 31 | ***** | 7.00 | 10 | | |
| CANEY | 1437 | 8 | 69.9 | 31 | ***** | 85. | 30 | 55. | 3 | 15.5 | ***** | 167.0 | ***** | 8.880 | 31 | ***** | 4.20 | 9 | | |
| CENTRAHOMA | 1648 | 8 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 7.250 | 31 | ***** | 3.00 | 9 | | |
| CHICKASAW NRA | 1745 | 8 | 66.3 | 31 | -2.7 | 85. | 18 | 42. | 14 | 61.5 | 43.5 | 100.5 | -41.5 | 5.551 | 31 | -.20 | 2.92 | 9 | | |
| COLEMAN | 2011 | 8 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 7.390 | 31 | ***** | 4.25 | 9 | | |
| COMANCHE | 2054 | 8 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 6.710 | 31 | 1.70 | 3.02 | 9 | | |
| DAISY 4 ENE | 2354 | 8 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 8.762 | 31 | 1.85 | 3.42 | 10 | | |
| DUNCAN | 2660 | 8 | 66.2 | 22 | ***** | 85. | 31 | 47. | 10 | 32.5 | ***** | 59.5 | ***** | 5.463 | 30 | ***** | 2.26 | 9 | | |
| DURANT USDA | 2678 | 8 | 67.5 | 31 | -2.2 | 90. | 17 | 48. | 4 | 38.5 | 18.5 | 116.5 | -49.5 | 11.330 | 31 | 5.75 | 7.50 | 10 | | |
| ELMORE CITY | 2872 | 8 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 4.427 | 31 | ***** | 1.55 | 8 | | |
| FARRIS 3 WNW | 3083 | 8 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 8.500 | 31 | 3.13 | 4.73 | 10 | | |
| GRADY | 3688 | 8 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 4.610 | 31 | ***** | 1.74 | 9 | | |
| HEALDTON | 4001 | 8 | 69.4 | 23 | ***** | 89. | 16 | 45. | 13 | 10.5 | ***** | 112.5 | ***** | 11.872 | 31 | 6.78 | 4.51 | 9 | | |
| KETCHUM RANCH | 4780 | 8 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 5.610 | 31 | ***** | 2.65 | 9 | | |
| KINGSTON | 4865 | 8 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 9.230 | 31 | 3.94 | 3.40 | 10 | | |
| LEHIGH | 5108 | 8 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 8.954 | 31 | ***** | 3.15 | 10 | | |
| LINDSAY 2 W | 5216 | 8 | 67.7 | 31 | -2.3 | 87. | 30 | 46. | 4 | 29.5 | 15.5 | 114.5 | -54.5 | 6.913 | 31 | 1.47 | 3.87 | 9 | | |
| LOCO 6 SE | 5247 | 8 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 7.940 | 31 | ***** | 3.60 | 9 | | |
| MADILL | 5468 | 8 | 68.3 | 31 | -2.6 | 88. | 15 | 46. | 14 | 23.0 | 14.0 | 126.0 | -65.0 | 9.021 | 31 | 3.67 | 5.03 | 8 | | |
| MARIETTA | 5563 | 8 | 69.3 | 31 | -1.4 | 89. | 16 | 51. | 14 | 17.5 | 6.5 | 149.5 | -38.5 | 8.532 | 31 | 3.60 | 5.50 | 9 | | |
| MARLOW 1 WSW | 5581 | 8 | 66.4 | 31 | -3.1 | 87. | 31 | 43. | 10 | 47.0 | 31.0 | 90.5 | -65.5 | 7.300 | 31 | 2.15 | 3.58 | 9 | | |
| MC GEE CREEK DAM | 5713 | 8 | 68.1 | 31 | ***** | 89. | 16 | 48. | 14 | 36.5 | ***** | 132.0 | ***** | 8.334 | 31 | ***** | 4.69 | 10 | | |
| PAULS VALLEY | 6926 | 8 | 68.3 | 31 | -2.3 | 87. | 30 | 44. | 14 | 26.0 | 9.0 | 127.5 | -63.5 | 5.191 | 31 | -.55 | 2.10 | 10 | | |
| PONTOTOC | 7214 | 8 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 7.260 | 31 | 1.55 | 3.90 | 8 | | |
| TISHOMINGO NWLR | 8884 | 8 | 67.6 | 20 | ***** | 89. | 4 | 49. | 10 | 20.0 | ***** | 71.5 | ***** | 10.481 | 31 | 5.44 | 5.70 | 9 | | |
| TUSSY | 9032 | 8 | ***** | 0 | ***** | ***** | 0 | ***** | 0 | ***** | ***** | ***** | ***** | 5.550 | 31 | ***** | 2.19 | 9 | | |
| WAURIKA | 9395 | 8 | 69.1 | 31 | -2.6 | 89. | 16 | 48. | 10 | 15.0 | 7.0 | 141.0 | -75.0 | 9.031 | 31 | 4.63 | 4.48 | 9 | | |
| WAURIKA DAM | 9399 | 8 | 68.2 | 31 | ***** | 90. | 17 | 48. | 10 | 35.0 | ***** | 133.0 | ***** | 9.760 | 31 | ***** | 4.58 | 9 | | |

MAY 1993 SUMMARY FOR SOUTHEAST DIVISION (CD9)

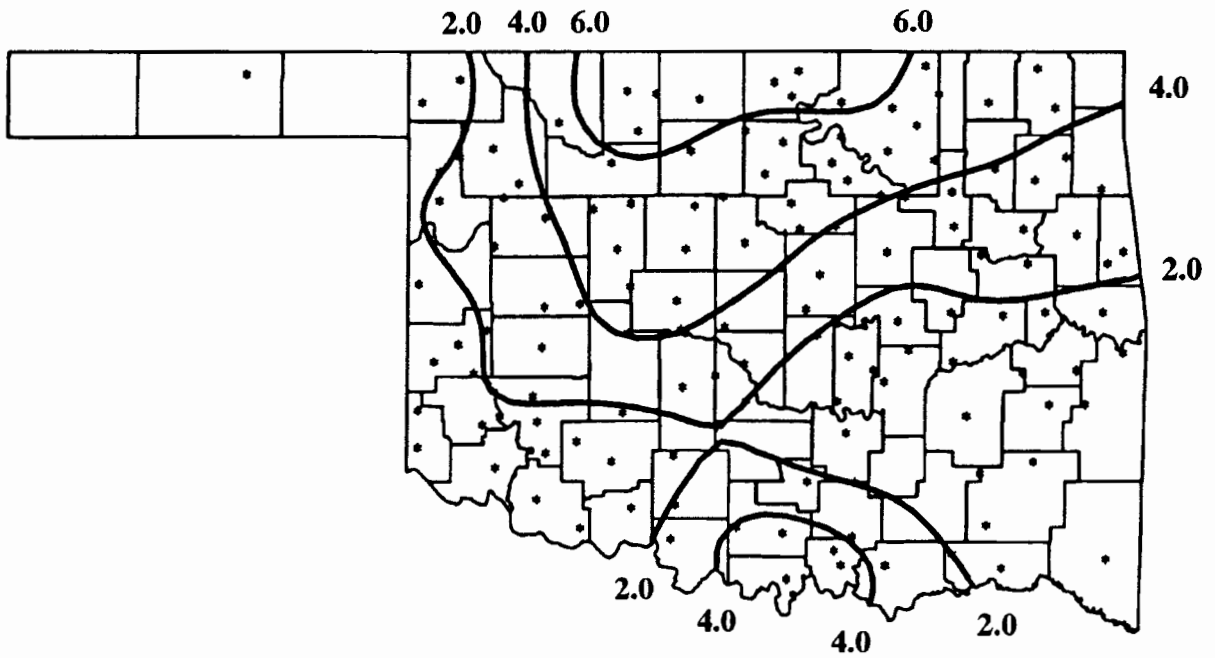
| NAME | ID CD | DEV | | | | HEAT | | | DEV | | | COOL | | | DEV | | | TOT PPT | NUM OBS | DEV FROM NORM | MAX 24-HR | DAY |
|---------------------|--------|-----------|---------|-----------|----------|----------|---------|---------------|--------------|---------------|---------|---------|---------------|-----------|-------|------|----|---------|---------|---------------|-----------|-----|
| | | MEAN TEMP | NUM OBS | FROM NORM | MAX TEMP | MIN TEMP | 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 | 68.8 | 31 | -.9 | 86. | 26 | 46. | 14 | 30.0 | 14.0 | 146.5 | -14.5 | .820 | 31 | -5.38 | .45 | 18 | | | | | |
| BATTIEST 1 SSW | 567 9 | 66.3 | 25 | ***** | 83. | 30 | 45. | 21 | 32.5 | ***** | 66.0 | ***** | 7.412 | 31 | ***** | 3.39 | 10 | | | | | |
| BEAR MT TWR | 584 9 | 66.5 | 22 | ***** | 85. | 17 | 50. | 2 | 29.5 | ***** | 62.0 | ***** | 5.031 | 30 | ***** | 2.52 | 10 | | | | | |
| BENGAL | 670 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 8.400 | 31 | ***** | 3.15 | 10 | | | | | |
| BOSWELL 4 NNW | 980 9 | 68.2 | 31 | -1.7 | 87. | 15 | 47. | 14 | 32.5 | 18.5 | 132.5 | -33.5 | 10.017 | 31 | 4.35 | 6.20 | 10 | | | | | |
| BROKEN BOW 1 N | 1162 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.870 | 31 | .55 | 3.36 | 10 | | | | | |
| BROKEN BOW DAM | 1168 9 | 66.9 | 31 | -2.1 | 88. | 18 | 50. | 27 | 31.5 | 3.5 | 90.5 | -61.5 | 5.680 | 27 | ***** | 2.85 | 10 | | | | | |
| CARNASAW TWR | 1499 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.012 | 31 | -.78 | 3.40 | 10 | | | | | |
| CARTER TWR | 1544 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.730 | 14 | ***** | 1.14 | 24 | | | | | |
| FANSHAWE | 3065 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 10.810 | 31 | 4.18 | 4.02 | 3 | | | | | |
| HEAVENER 1 SE | 4008 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 10.612 | 31 | 4.11 | 3.68 | 10 | | | | | |
| HEE MT TWR | 4017 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 7.680 | 31 | .97 | 2.92 | 10 | | | | | |
| HUGO | 4384 9 | 69.1 | 31 | -1.9 | 87. | 30 | 51. | 16 | 17.5 | 7.5 | 146.0 | -50.0 | 6.803 | 31 | .82 | 4.36 | 10 | | | | | |
| IDABEL | 4451 9 | 68.5 | 31 | -1.2 | 89. | 17 | 50. | 14 | 23.5 | 4.5 | 133.0 | -31.0 | 8.042 | 31 | 2.14 | 3.59 | 10 | | | | | |
| JADIE TOWER | 4560 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 4.810 | 31 | ***** | 2.03 | 24 | | | | | |
| POTEAU W W | 7254 9 | 67.6 | 31 | ***** | 87. | 15 | 43. | 14 | 32.0 | ***** | 113.0 | ***** | 5.852 | 31 | ***** | 3.53 | 9 | | | | | |
| SMITHVILLE 1 W | 8285 9 | 66.2 | 22 | ***** | 83. | 30 | 44. | 21 | 33.5 | ***** | 59.0 | ***** | 7.606 | 31 | .64 | 3.50 | 10 | | | | | |
| SPIRO | 8416 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 5.690 | 31 | -.03 | 2.45 | 10 | | | | | |
| TUSKAHOMA | 9023 9 | 68.0 | 31 | -1.7 | 85. | 30 | 43. | 14 | 37.0 | 21.0 | 131.0 | -31.0 | 8.271 | 31 | 1.57 | 3.97 | 10 | | | | | |
| VALLIANT 3 W | 9118 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 6.310 | 31 | .13 | 3.33 | 10 | | | | | |
| WILBURTON 9 ENE9634 | 9 | 68.1 | 31 | -.8 | 88. | 30 | 42. | 14 | 36.0 | -2.0 | 131.0 | -28.0 | 5.782 | 31 | -.31 | 2.63 | 9 | | | | | |

MAY 1993 CLIMATE DIVISION SUMMARY

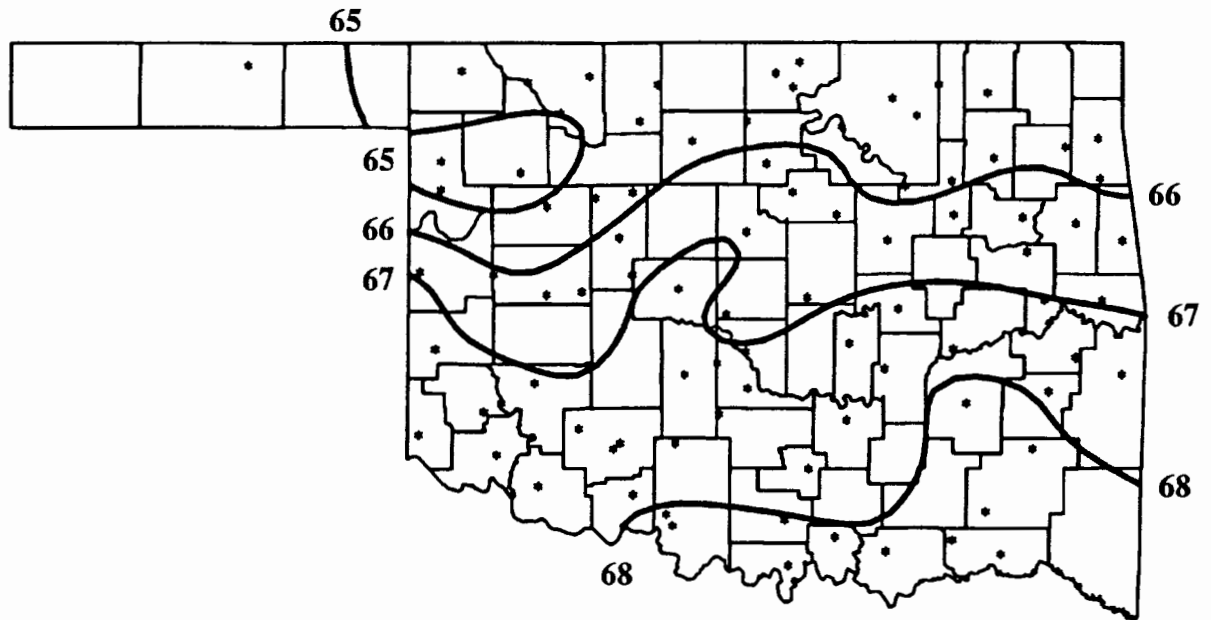
| CLIMATE DIV | MEAN TEMP | NUM STA | DEV | | | | HEAT DEGREE | | | DEV | | | COOL | | | DEV | | |
|-------------|-----------|---------|-----------|----------|----------|------|-------------|-----------|---------------|--------------|---------|---------|---------------|-----------|------|-----|--|--|
| | | | FROM NORM | MAX TEMP | MIN TEMP | DAY | DEGREE DAYS | FROM NORM | DEV FROM NORM | COOL DEG DAY | TOT PPT | NUM STA | DEV FROM NORM | MAX 24-HR | DAY | | | |
| 1 | 64.3 | 10 | -.9 | 94.0 | 27 | 33.0 | 2 | 101.2 | 5.9 | 78.4 | -21.0 | 3.77 | 13 | .58 | 2.10 | 8 | | |
| 2 | 65.2 | 13 | -2.8 | 91.0 | 30 | 39.0 | 3 | 81.2 | 28.0 | 86.7 | -57.5 | 9.96 | 24 | 5.68 | 4.85 | 9 | | |
| 3 | 65.8 | 15 | -2.1 | 90.0 | 5 | 42.0 | 14 | 63.8 | 12.7 | 88.9 | -51.5 | 9.79 | 33 | 4.94 | 5.65 | 8 | | |
| 4 | 66.5 | 11 | -1.8 | 91.0 | 31 | 38.0 | 3 | 58.4 | 17.6 | 104.6 | -37.7 | 6.99 | 21 | 2.55 | 4.93 | 9 | | |
| 5 | 67.0 | 14 | -2.1 | 91.0 | 31 | 43.0 | 14 | 46.1 | 18.9 | 109.0 | -47.5 | 8.32 | 35 | 3.08 | 6.97 | 9 | | |
| 6 | 67.4 | 11 | -1.5 | 89.0 | 30 | 40.0 | 14 | 47.0 | 13.8 | 123.0 | -33.3 | 7.10 | 30 | 1.52 | 5.33 | 9 | | |
| 7 | 67.7 | 11 | -2.6 | 92.0 | 30 | 41.0 | 3 | 42.3 | 24.8 | 126.5 | -57.0 | 6.16 | 22 | 1.60 | 6.56 | 9 | | |
| 8 | 68.0 | 13 | -2.3 | 90.0 | 17 | 42.0 | 14 | 31.3 | 16.8 | 124.4 | -54.0 | 7.85 | 30 | 2.49 | 7.50 | 10 | | |
| 9 | 68.2 | 8 | -1.3 | 89.0 | 17 | 42.0 | 14 | 30.0 | 7.7 | 127.9 | -32.1 | 7.10 | 18 | .74 | 6.20 | 10 | | |



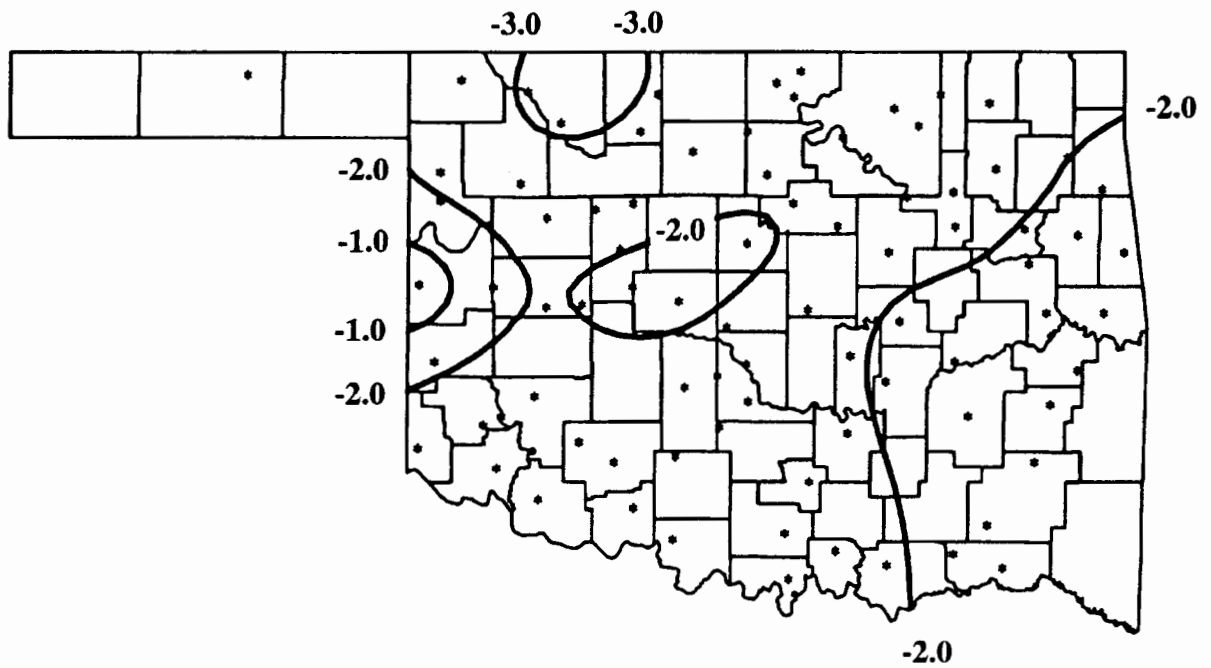
**MAY 1993 TOTAL PRECIPITATION
(Inches)**



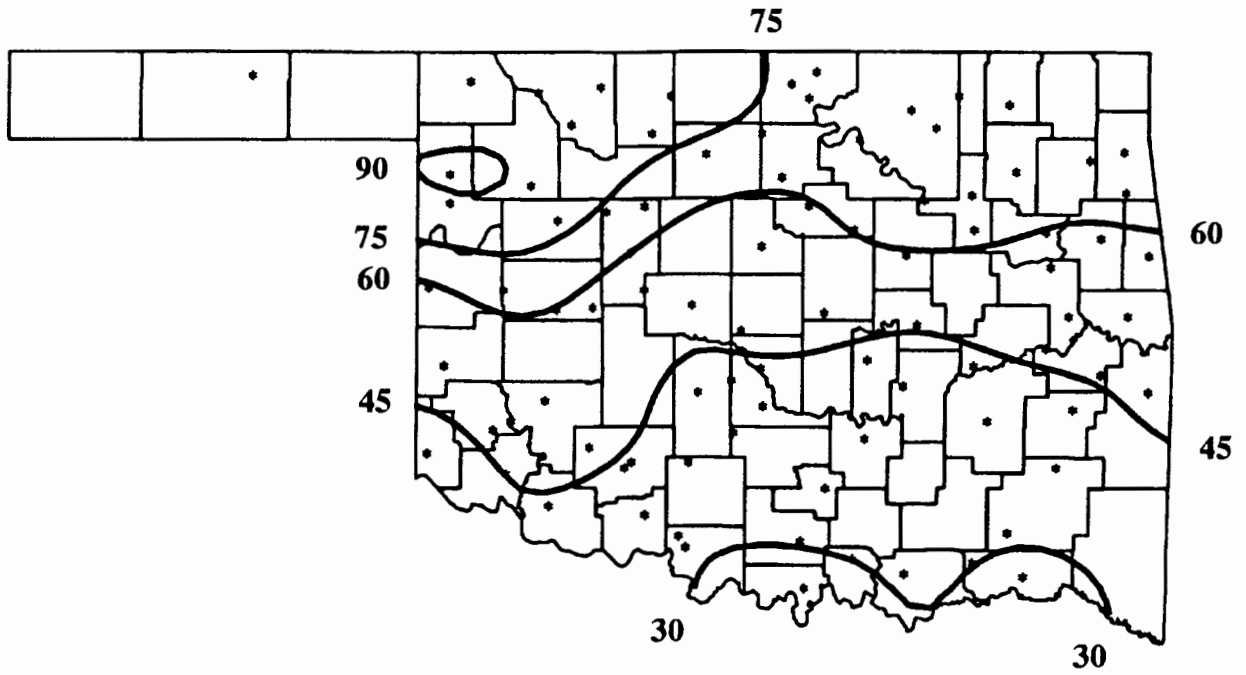
**MAY 1993 DEVIATION FROM NORMAL PRECIPITATION
(Inches)**



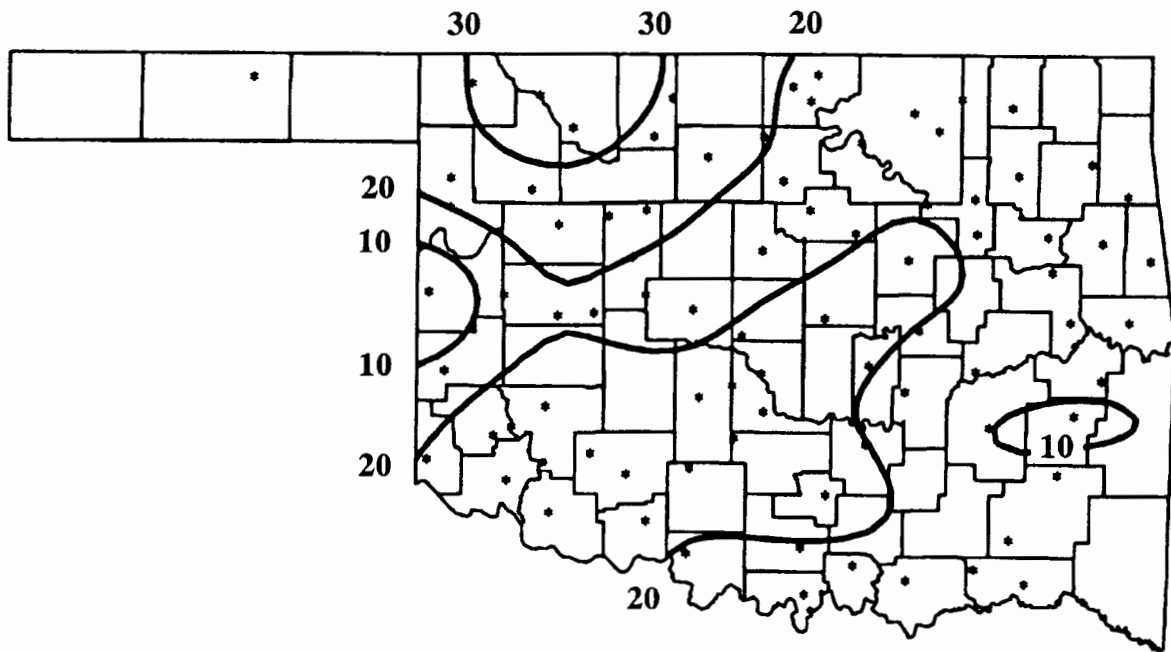
**MAY 1993 AVERAGE MONTHLY TEMPERATURES
(Degrees F)**



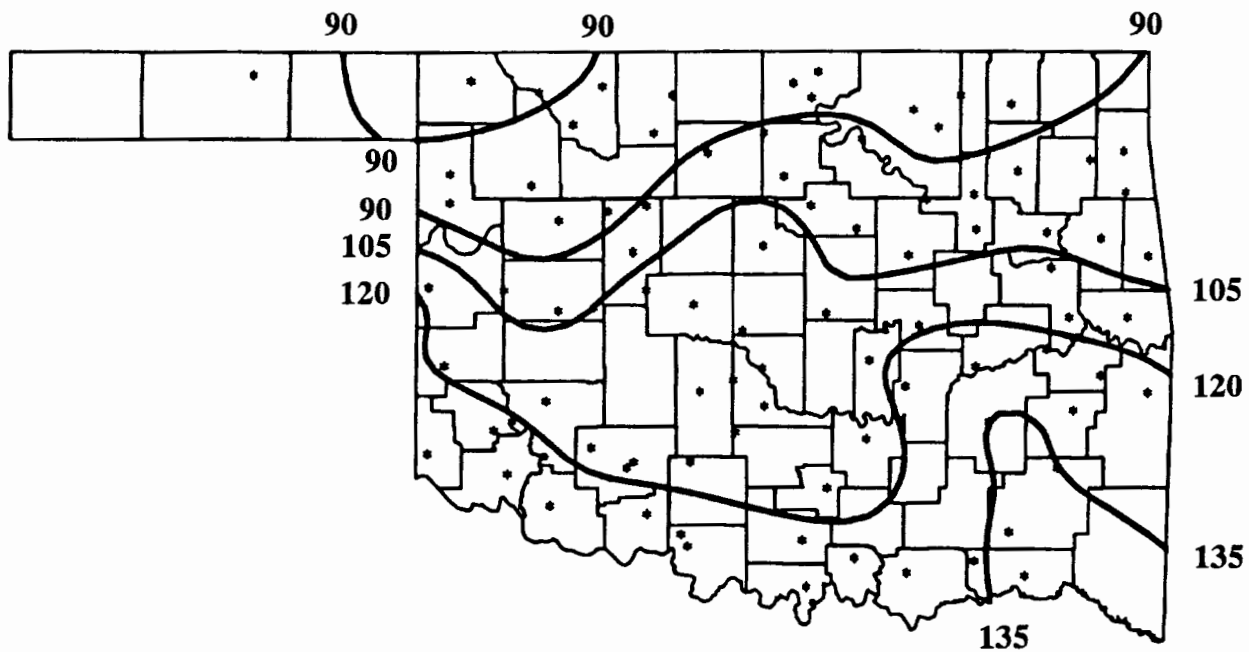
**MAY 1993 DEVIATION FROM NORMAL TEMPERATURES
(Degrees F)**



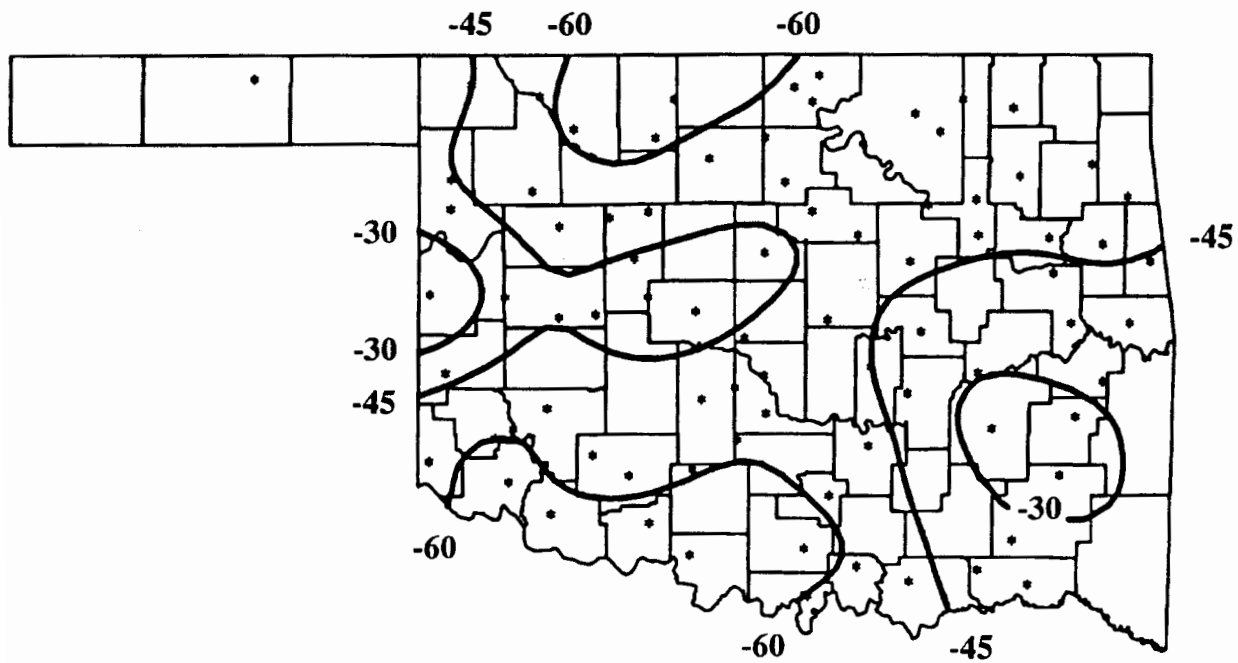
MAY 1993 HEATING DEGREE DAYS



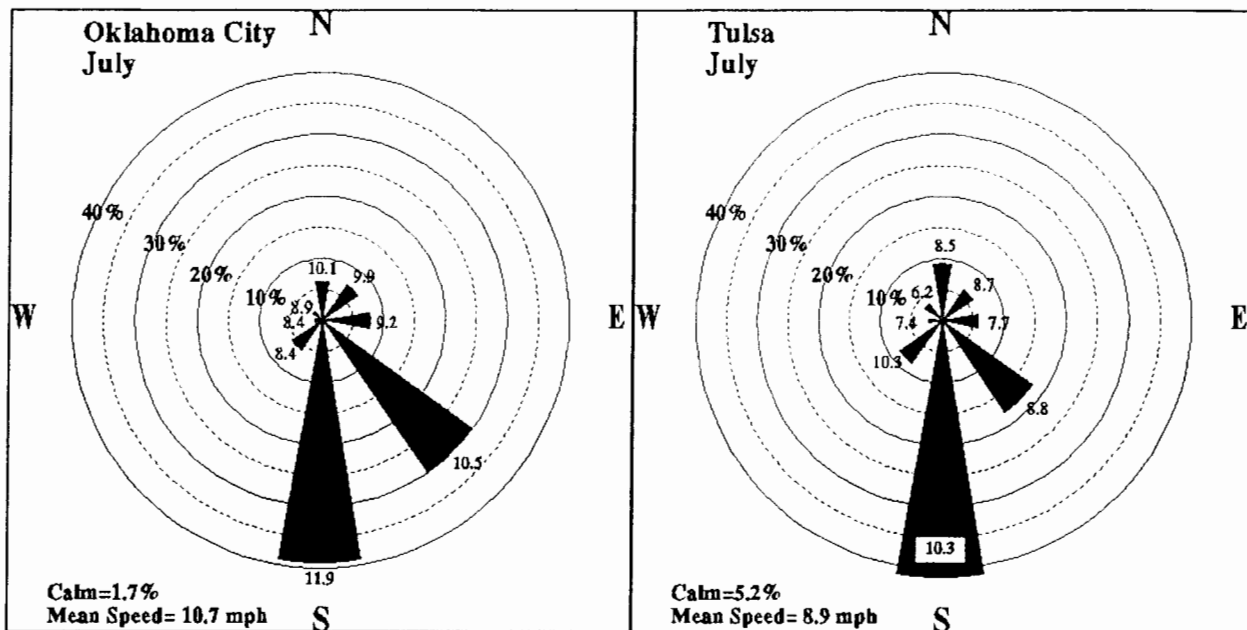
MAY 1993 DEVIATION FROM NORMAL HEATING DEGREE DAYS



MAY 1993 COOLING DEGREE DAYS



MAY 1993 DEVIATION FROM NORMAL COOLING DEGREE DAYS



July 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.

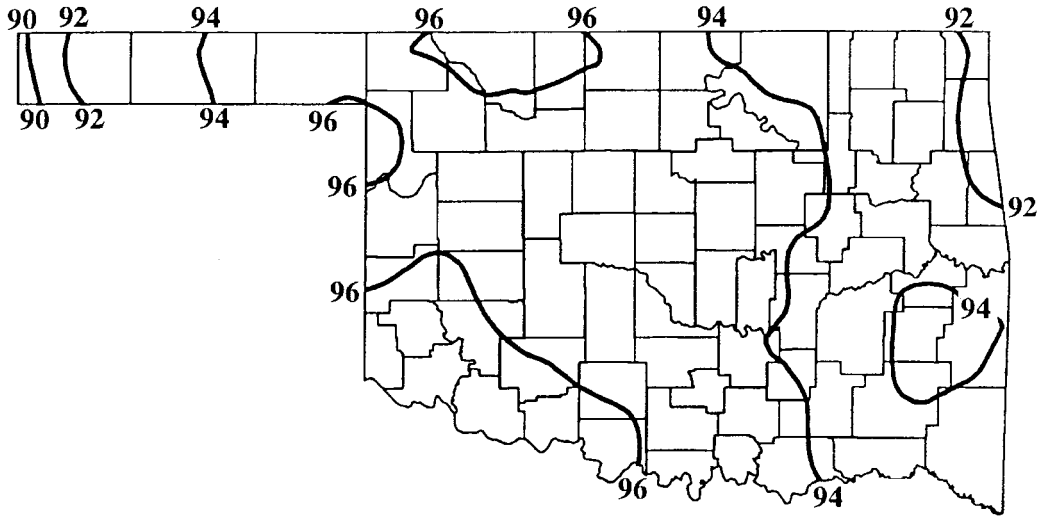
JULY 1993 SUNRISE AND SUNSET

OKLAHOMA CITY

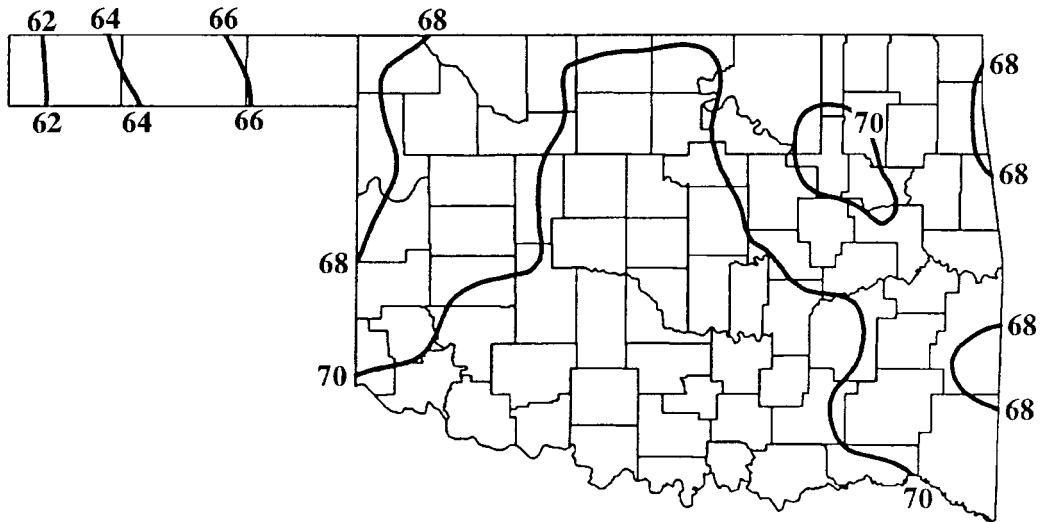
| DATE | SUNRISE | SUNSET | DAYLIGHT |
|---------|---------|------------|----------------|
| 93 7 1 | 6:21AM | 8:47PM CDT | 14 hrs 27 mins |
| 93 7 2 | 6:21AM | 8:47PM CDT | 14 hrs 26 mins |
| 93 7 3 | 6:22AM | 8:47PM CDT | 14 hrs 26 mins |
| 93 7 4 | 6:22AM | 8:47PM CDT | 14 hrs 25 mins |
| 93 7 5 | 6:22AM | 8:47PM CDT | 14 hrs 25 mins |
| 93 7 6 | 6:23AM | 8:47PM CDT | 14 hrs 24 mins |
| 93 7 7 | 6:23AM | 8:47PM CDT | 14 hrs 23 mins |
| 93 7 8 | 6:24AM | 8:47PM CDT | 14 hrs 23 mins |
| 93 7 9 | 6:24AM | 8:46PM CDT | 14 hrs 22 mins |
| 93 7 10 | 6:25AM | 8:46PM CDT | 14 hrs 21 mins |
| 93 7 11 | 6:25AM | 8:46PM CDT | 14 hrs 20 mins |
| 93 7 12 | 6:26AM | 8:46PM CDT | 14 hrs 20 mins |
| 93 7 13 | 6:27AM | 8:45PM CDT | 14 hrs 19 mins |
| 93 7 14 | 6:27AM | 8:45PM CDT | 14 hrs 18 mins |
| 93 7 15 | 6:28AM | 8:45PM CDT | 14 hrs 17 mins |
| 93 7 16 | 6:28AM | 8:44PM CDT | 14 hrs 16 mins |
| 93 7 17 | 6:29AM | 8:44PM CDT | 14 hrs 15 mins |
| 93 7 18 | 6:30AM | 8:43PM CDT | 14 hrs 14 mins |
| 93 7 19 | 6:30AM | 8:43PM CDT | 14 hrs 13 mins |
| 93 7 20 | 6:31AM | 8:42PM CDT | 14 hrs 12 mins |
| 93 7 21 | 6:32AM | 8:42PM CDT | 14 hrs 10 mins |
| 93 7 22 | 6:32AM | 8:41PM CDT | 14 hrs 9 mins |
| 93 7 23 | 6:33AM | 8:41PM CDT | 14 hrs 8 mins |
| 93 7 24 | 6:34AM | 8:40PM CDT | 14 hrs 7 mins |
| 93 7 25 | 6:34AM | 8:40PM CDT | 14 hrs 5 mins |
| 93 7 26 | 6:35AM | 8:39PM CDT | 14 hrs 4 mins |
| 93 7 27 | 6:36AM | 8:38PM CDT | 14 hrs 3 mins |
| 93 7 28 | 6:36AM | 8:38PM CDT | 14 hrs 1 mins |
| 93 7 29 | 6:37AM | 8:37PM CDT | 14 hrs 0 mins |
| 93 7 30 | 6:38AM | 8:36PM CDT | 13 hrs 58 mins |
| 93 7 31 | 6:38AM | 8:35PM CDT | 13 hrs 57 mins |

TULSA

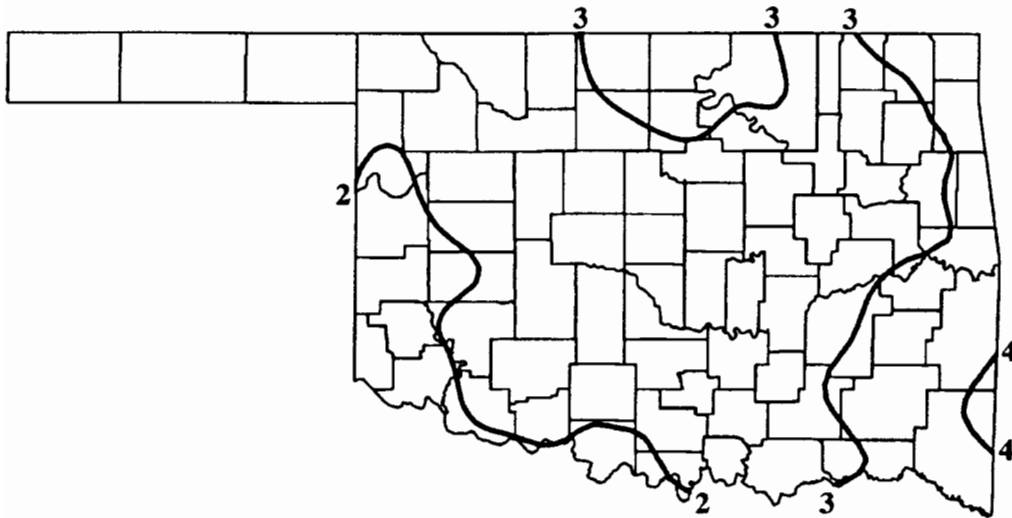
| DATE | SUNRISE | SUNSET | DAYLIGHT |
|---------|---------|------------|----------------|
| 93 7 1 | 6:12AM | 8:43PM CDT | 14 hrs 31 mins |
| 93 7 2 | 6:12AM | 8:43PM CDT | 14 hrs 30 mins |
| 93 7 3 | 6:13AM | 8:43PM CDT | 14 hrs 30 mins |
| 93 7 4 | 6:13AM | 8:42PM CDT | 14 hrs 29 mins |
| 93 7 5 | 6:14AM | 8:42PM CDT | 14 hrs 29 mins |
| 93 7 6 | 6:14AM | 8:42PM CDT | 14 hrs 28 mins |
| 93 7 7 | 6:14AM | 8:42PM CDT | 14 hrs 28 mins |
| 93 7 8 | 6:15AM | 8:42PM CDT | 14 hrs 27 mins |
| 93 7 9 | 6:16AM | 8:42PM CDT | 14 hrs 26 mins |
| 93 7 10 | 6:16AM | 8:41PM CDT | 14 hrs 25 mins |
| 93 7 11 | 6:17AM | 8:41PM CDT | 14 hrs 25 mins |
| 93 7 12 | 6:17AM | 8:41PM CDT | 14 hrs 24 mins |
| 93 7 13 | 6:18AM | 8:41PM CDT | 14 hrs 23 mins |
| 93 7 14 | 6:18AM | 8:40PM CDT | 14 hrs 22 mins |
| 93 7 15 | 6:19AM | 8:40PM CDT | 14 hrs 21 mins |
| 93 7 16 | 6:20AM | 8:39PM CDT | 14 hrs 20 mins |
| 93 7 17 | 6:20AM | 8:39PM CDT | 14 hrs 19 mins |
| 93 7 18 | 6:21AM | 8:39PM CDT | 14 hrs 18 mins |
| 93 7 19 | 6:22AM | 8:38PM CDT | 14 hrs 17 mins |
| 93 7 20 | 6:22AM | 8:38PM CDT | 14 hrs 15 mins |
| 93 7 21 | 6:23AM | 8:37PM CDT | 14 hrs 14 mins |
| 93 7 22 | 6:24AM | 8:36PM CDT | 14 hrs 13 mins |
| 93 7 23 | 6:24AM | 8:36PM CDT | 14 hrs 12 mins |
| 93 7 24 | 6:25AM | 8:35PM CDT | 14 hrs 10 mins |
| 93 7 25 | 6:26AM | 8:35PM CDT | 14 hrs 9 mins |
| 93 7 26 | 6:26AM | 8:34PM CDT | 14 hrs 8 mins |
| 93 7 27 | 6:27AM | 8:33PM CDT | 14 hrs 6 mins |
| 93 7 28 | 6:28AM | 8:32PM CDT | 14 hrs 5 mins |
| 93 7 29 | 6:28AM | 8:32PM CDT | 14 hrs 3 mins |
| 93 7 30 | 6:29AM | 8:31PM CDT | 14 hrs 2 mins |
| 93 7 31 | 6:30AM | 8:30PM CDT | 14 hrs 0 mins |



July Normal Daily Maximum Temperatures (°F)



July Normal Daily Minimum Temperatures (°F)



July Normal Monthly Precipitation (inches)

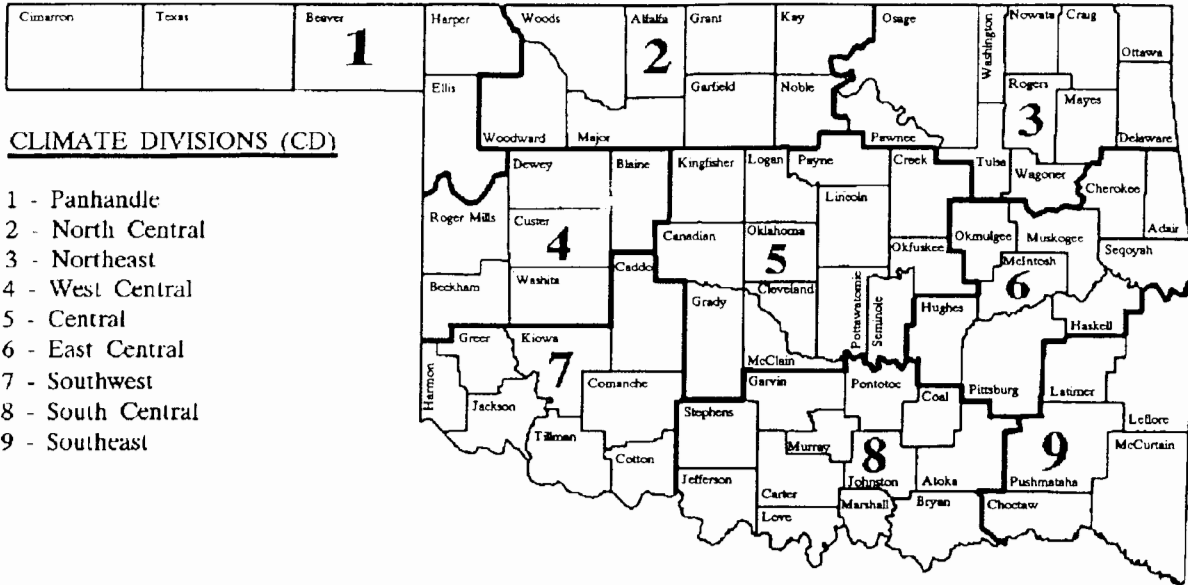
90-DAY NATIONAL WEATHER SERVICE OUTLOOK

(JUNE 1993 - AUGUST 1993)

Precipitation - Above Normal Statewide

**Temperature - Much Below Normal Northeast
Below Normal Elsewhere**

OKLAHOMA



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 the average temperature for the day exceeds 65 degrees. Daily values are summed to arrive at a monthly total. 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 the average temperature for the day is less than 65 degrees. Daily values are summed to give a monthly total. 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.

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).

OKLAHOMA CITY CLIMATE CALENDAR

July 1993

| Normal | Actual | Normal | Actual | Normal | Actual | Normal | Actual | Normal | Actual | Normal | Actual | Normal | Actual | Normal | Actual | Normal | Actual |
|---|---|--|--|--|---|---|---|--|--|--|--|--|--|---|---|--|--|
| 92.3 max 69.5 min 1.9 ppt 0 hdd 15 cdd Highest Max 103-1917 Lowest Max 57-1951 Lowest Min 57-1951 Highest Min 96-1937 Greatest ppt 5.06-1913 | 92.5 max 70.3 min 0.8 ppt 0 hdd 16 cdd Highest Max 105-1980 Lowest Max 72-1924 Lowest Min 58-1924 Highest Min 78-1980 Greatest ppt 1.70-1922 | 91.3 max 70.0 min -0.7 ppt 0 hdd 16 cdd Highest Max 104-1931 Lowest Max 73-1915 Lowest Min 57-1924 Highest Min 80-1980 Greatest ppt 1.37-1900 | 91.4 max 69.5 min -1.0 ppt 0 hdd 15 cdd Highest Max 103-1911 Lowest Max 77-1958 Lowest Min 55-1915 Highest Min 80-1933 Greatest ppt 3.21-1979 | 92.0 max 69.9 min -0.7 ppt 0 hdd 16 cdd Highest Max 105-1953 Lowest Max 73-1959 Lowest Min 55-1972 Highest Min 80-1953 Greatest ppt 1.84-1929 | 92.5 max 70.3 min 0.6 ppt 0 hdd 16 cdd Highest Max 105-1970 Lowest Max 76-1960 Lowest Min 57-1952 Highest Min 78-1909 Greatest ppt 2.03-1895 | 93.1 max 70.5 min 0.4 ppt 0 hdd 17 cdd Highest Max 106-1964 Lowest Max 71-1905 Lowest Min 56-1891 Highest Min 80-1933 Greatest ppt 2.14-1898 | 93.4 max 70.4 min 0.5 ppt 0 hdd 17 cdd Highest Max 104-1933 Lowest Max 66-1895 Lowest Min 56-1905 Highest Min 80-1933 Greatest ppt 1.90-1945 | 92.9 max 70.7 min -0.8 ppt 0 hdd 17 cdd Highest Max 107-1954 Lowest Max 62-1953 Lowest Min 56-1975 Highest Min 82-1933 Greatest ppt 1.80-1926 | 92.6 max 69.9 min -1.2 ppt 0 hdd 16 cdd Highest Max 106-1954 Lowest Max 73-1953 Lowest Min 56-1975 Highest Min 81-1934 Greatest ppt 2.10-1965 | 92.8 max 69.8 min -0.6 ppt 0 hdd 16 cdd Highest Max 107-1954 Lowest Max 80-1926 Lowest Min 57-1950 Highest Min 80-1934 Greatest ppt 1.29-1992 | 93.2 max 70.9 min -1.5 ppt 0 hdd 17 cdd Highest Max 106-1980 Lowest Max 74-1967 Lowest Min 61-1891 Highest Min 79-1939 Greatest ppt 3.54-1900 | 93.5 max 71.0 min -0.8 ppt 0 hdd 17 cdd Highest Max 108-1986 Lowest Max 76-1925 Lowest Min 57-1971 Highest Min 80-1986 Greatest ppt 0.71-1933 | 93.3 max 70.9 min -0.5 ppt 0 hdd 17 cdd Highest Max 107-1936 Lowest Max 77-1944 Lowest Min 60-1970 Highest Min 78-1934 Greatest ppt 1.48-1897 | 93.7 max 71.3 min -0.25 ppt 0 hdd 18 cdd Highest Max 106-1978 Lowest Max 75-1959 Lowest Min 63-1911 Highest Min 79-1981 Greatest ppt 0.88-1978 | 93.7 max 71.3 min -0.25 ppt 0 hdd 18 cdd Highest Max 106-1978 Lowest Max 75-1959 Lowest Min 63-1911 Highest Min 79-1981 Greatest ppt 0.88-1978 | 93.4 max 71.0 min -1.6 ppt 0 hdd 17 cdd Highest Max 109-1986 Lowest Max 76-1992 Lowest Min 61-1971 Highest Min 79-1966 Greatest ppt 2.02-1975 | 93.4 max 71.0 min -1.6 ppt 0 hdd 17 cdd Highest Max 109-1986 Lowest Max 76-1992 Lowest Min 61-1971 Highest Min 79-1966 Greatest ppt 2.02-1975 |
| JULY AVERAGES | | | | | | | | | | | | | | | | | |
| TEMPERATURE : 81.8°F | | | | | | | | | | | | | | | | | |
| PRECIPITATION : 2.84" | | | | | | | | | | | | | | | | | |
| HEATING DEGREE DAYS : 0 | | | | | | | | | | | | | | | | | |
| COOLING DEGREE DAYS : 520 | | | | | | | | | | | | | | | | | |

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 1948-1992.

TULSA CLIMATE CALENDAR

July 1993

| Normal | 1 | Actual | Normal | 2 | Actual | Normal | 3 | Actual | Normal | 4 | Actual | Normal | 5 | Actual | Normal | 6 | Actual | Normal | 7 | Actual | | | | | |
|--------|--------------|-----------|--------|--------------|-----------|--------|--------------|-----------|--------|--------------|-----------|--------|--------------|-----------|--------|--------------|-----------|--------|--------------|--------|--------------|-----------|--------|------|-----|
| 91.0 | max | | 93.0 | max | | 93.0 | max | | 92.0 | max | | 92.0 | max | | 93.0 | max | | 93.0 | max | | 93.0 | max | | | |
| 71.0 | min | | 72.0 | min | | 72.0 | min | | 72.0 | min | | 72.0 | min | | 71.0 | min | | 72.0 | min | | 72.0 | min | | | |
| .10 | ppt | | .07 | ppt | | .14 | ppt | | .10 | ppt | | .10 | ppt | | .10 | ppt | | .07 | ppt | | .07 | ppt | | | |
| 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | | |
| 16 | cdd | | 17 | cdd | | 18 | cdd | | 17 | cdd | | 16 | cdd | | 17 | cdd | | 18 | cdd | | 18 | cdd | | | |
| | Highest Max | 106-1917 | | Highest Max | 105-1933 | | Highest Max | 107-1911 | | Highest Max | 108-1911 | | Highest Max | 108-1911 | | Highest Max | 105-1917 | | Highest Max | | Highest Max | 105-1917 | | | |
| | Lowest Max | 73-1951 | | Lowest Max | 78-1951 | | Lowest Max | 81-1972 | | Lowest Max | 76-1972 | | Lowest Max | 77-1972 | | Lowest Max | 78-1950 | | Lowest Max | | Lowest Max | 79-1958 | | | |
| | Lowest Min | 57-1924 | | Lowest Min | 54-1924 | | Lowest Min | 54-1924 | | Lowest Min | 56-1924 | | Lowest Min | 53-1915 | | Lowest Min | 55-1972 | | Lowest Min | | Lowest Min | 58-1967 | | | |
| | Highest Min | 82-1980 | | Highest Min | 85-1980 | | Highest Min | 80-1983 | | Highest Min | 85-1980 | | Highest Min | 82-1990 | | Highest Min | 82-1980 | | Highest Min | | Highest Min | 84-1980 | | | |
| | Greatest ppt | .90-1959 | | Greatest ppt | 1.41-1972 | | Greatest ppt | 1.89-1960 | | Greatest ppt | 1.30-1960 | | Greatest ppt | 1.55-1950 | | Greatest ppt | 1.52-1955 | | Greatest ppt | | Greatest ppt | .97-1953 | | | |
| Normal | 8 | Actual | Normal | 9 | Actual | Normal | 10 | Actual | Normal | 11 | Actual | Normal | 12 | Actual | Normal | 13 | Actual | Normal | 14 | Actual | Normal | 14 | Actual | | |
| 93.0 | max | | 94.0 | max | | 94.0 | max | | 94.0 | max | | 94.0 | max | | 93.0 | max | | 94.0 | max | | 94.0 | max | | 94.0 | max |
| 72.0 | min | | 72.0 | min | | 72.0 | min | | 73.0 | min | | 73.0 | min | | 72.0 | min | | 72.0 | min | | 72.0 | min | | 72.0 | min |
| .04 | ppt | | .05 | ppt | | .12 | ppt | | .10 | ppt | | .13 | ppt | | .12 | ppt | | .15 | ppt | | .15 | ppt | | .15 | ppt |
| 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd |
| 18 | cdd | | 18 | cdd | | 18 | cdd | | 18 | cdd | | 18 | cdd | | 18 | cdd | | 18 | cdd | | 18 | cdd | | 18 | cdd |
| | Highest Max | 106-1917 | | Highest Max | 107-1925 | | Highest Max | 105-1933 | | Highest Max | 107-1954 | | Highest Max | 109-1954 | | Highest Max | 111-1954 | | Highest Max | | Highest Max | 112-1954 | | | |
| | Lowest Max | 81-1958 | | Lowest Max | 73-1950 | | Lowest Max | 75-1950 | | Lowest Max | 72-1963 | | Lowest Max | 66-1953 | | Lowest Max | 76-1953 | | Lowest Max | | Lowest Max | 77-1961 | | | |
| | Lowest Min | 61-1958 | | Lowest Min | 59-1952 | | Lowest Min | 59-1961 | | Lowest Min | 59-1965 | | Lowest Min | 59-1975 | | Lowest Min | 54-1975 | | Lowest Min | | Lowest Min | 54-1967 | | | |
| | Highest Min | 81-1980 | | Highest Min | 82-1980 | | Highest Min | 84-1980 | | Highest Min | 82-1969 | | Highest Min | 84-1980 | | Highest Min | 85-1980 | | Highest Min | | Highest Min | 85-1954 | | | |
| | Greatest ppt | 60-1953 | | Greatest ppt | .85-1949 | | Greatest ppt | 1.17-1962 | | Greatest ppt | 2.30-1963 | | Greatest ppt | 1.35-1963 | | Greatest ppt | 1.57-1961 | | Greatest ppt | | Greatest ppt | 1.35-1951 | | | |
| Normal | 15 | Actual | Normal | 16 | Actual | Normal | 17 | Actual | Normal | 18 | Actual | Normal | 19 | Actual | Normal | 20 | Actual | Normal | 21 | Actual | Normal | 21 | Actual | | |
| 92.0 | max | | 93.0 | max | | 94.0 | max | | 94.0 | max | | 95.0 | max | | 94.0 | max | | 94.0 | max | | 94.0 | max | | 94.0 | max |
| 72.0 | min | | 73.0 | min | | 73.0 | min | | 74.0 | min | | 74.0 | min | | 72.0 | min | | 72.0 | min | | 73.0 | min | | 73.0 | min |
| .22 | ppt | | .12 | ppt | | .09 | ppt | | .04 | ppt | | .02 | ppt | | .06 | ppt | | .09 | ppt | | .09 | ppt | | .09 | ppt |
| 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd |
| 18 | cdd | | 18 | cdd | | 18 | cdd | | 20 | cdd | | 20 | cdd | | 19 | cdd | | 19 | cdd | | 19 | cdd | | 19 | cdd |
| | Highest Max | 111-1936 | | Highest Max | 109-1980 | | Highest Max | 110-1936 | | Highest Max | 113-1936 | | Highest Max | 113-1936 | | Highest Max | 109-1936 | | Highest Max | | Highest Max | 109-1939 | | | |
| | Lowest Max | 78-1959 | | Lowest Max | 72-1967 | | Lowest Max | 82-1950 | | Lowest Max | 74-1967 | | Lowest Max | 83-1950 | | Lowest Max | 78-1970 | | Lowest Max | | Lowest Max | 77-1950 | | | |
| | Lowest Min | 54-1967 | | Lowest Min | 57-1967 | | Lowest Min | 59-1967 | | Lowest Min | 64-1984 | | Lowest Min | 61-1947 | | Lowest Min | 56-1971 | | Lowest Min | | Lowest Min | 55-1970 | | | |
| | Highest Min | 85-1980 | | Highest Min | 87-1980 | | Highest Min | 82-1980 | | Highest Min | 84-1954 | | Highest Min | 83-1980 | | Highest Min | 82-1981 | | Highest Min | | Highest Min | 83-1954 | | | |
| | Greatest ppt | 3.91-1961 | | Greatest ppt | 2.55-1967 | | Greatest ppt | 1.85-1989 | | Greatest ppt | .77-1987 | | Greatest ppt | 1.37-1988 | | Greatest ppt | 1.05-1966 | | Greatest ppt | | Greatest ppt | 1.77-1959 | | | |
| Normal | 22 | Actual | Normal | 23 | Actual | Normal | 24 | Actual | Normal | 25 | Actual | Normal | 26 | Actual | Normal | 27 | Actual | Normal | 28 | Actual | Normal | 28 | Actual | | |
| 94.0 | max | | 94.0 | max | | 94.0 | max | | 94.0 | max | | 94.0 | max | | 94.0 | max | | 94.0 | max | | 93.0 | max | | 93.0 | max |
| 73.0 | min | | 73.0 | min | | 73.0 | min | | 74.0 | min | | 74.0 | min | | 73.0 | min | | 73.0 | min | | 73.0 | min | | 73.0 | min |
| .17 | ppt | | .10 | ppt | | .11 | ppt | | .14 | ppt | | .10 | ppt | | .29 | ppt | | .16 | ppt | | .16 | ppt | | .16 | ppt |
| 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd |
| 19 | cdd | | 19 | cdd | | 19 | cdd | | 19 | cdd | | 19 | cdd | | 19 | cdd | | 18 | cdd | | 18 | cdd | | 18 | cdd |
| | Highest Max | 109-1974 | | Highest Max | 107-1936 | | Highest Max | 110-1934 | | Highest Max | 108-1934 | | Highest Max | 108-1978 | | Highest Max | 105-1936 | | Highest Max | | Highest Max | 109-1936 | | | |
| | Lowest Max | 77-1959 | | Lowest Max | 79-1960 | | Lowest Max | 76-1962 | | Lowest Max | 80-1950 | | Lowest Max | 75-1959 | | Lowest Max | 76-1977 | | Lowest Max | | Lowest Max | 80-1968 | | | |
| | Lowest Min | 57-1970 | | Lowest Min | 58-1970 | | Lowest Min | 60-1927 | | Lowest Min | 54-1911 | | Lowest Min | 60-1905 | | Lowest Min | 59-1971 | | Lowest Min | | Lowest Min | 61-1920 | | | |
| | Highest Min | 85-1954 | | Highest Min | 83-1954 | | Highest Min | 80-1983 | | Highest Min | 81-1986 | | Highest Min | 81-1981 | | Highest Min | 81-1986 | | Highest Min | | Highest Min | 83-1986 | | | |
| | Greatest ppt | 3.12-1960 | | Greatest ppt | 1.95-1973 | | Greatest ppt | 1.95-1973 | | Greatest ppt | 2.20-1967 | | Greatest ppt | 1.33-1959 | | Greatest ppt | 7.54-1953 | | Greatest ppt | | Greatest ppt | 2.72-1976 | | | |
| Normal | 29 | Actual | Normal | 30 | Actual | Normal | 31 | Actual | Normal | 31 | Actual | Normal | 31 | Actual | Normal | 31 | Actual | Normal | 31 | Actual | Normal | 31 | Actual | | |
| 94.0 | max | | 94.0 | max | | 94.0 | max | | 94.0 | max | | 94.0 | max | | 94.0 | max | | 94.0 | max | | 94.0 | max | | 94.0 | max |
| 73.0 | min | | 72.0 | min | | 72.0 | min | | 72.0 | min | | 72.0 | min | | 72.0 | min | | 72.0 | min | | 72.0 | min | | 72.0 | min |
| .08 | ppt | | .15 | ppt | | .09 | ppt | | .09 | ppt | | .09 | ppt | | .09 | ppt | | .09 | ppt | | .09 | ppt | | .09 | ppt |
| 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd | | 0 | hdd |
| 19 | cdd | | 18 | cdd | | 18 | cdd | | 18 | cdd | | 18 | cdd | | 18 | cdd | | 18 | cdd | | 18 | cdd | | 18 | cdd |
| | Highest Max | 110-1986 | | Highest Max | 110-1986 | | Highest Max | 108-1980 | | Highest Max | 108-1980 | | Highest Max | 108-1980 | | Highest Max | 108-1980 | | Highest Max | | Highest Max | 108-1980 | | | |
| | Lowest Max | 79-1981 | | Lowest Max | 79-1981 | | Lowest Max | 81-1979 | | Lowest Max | 81-1979 | | Lowest Max | 81-1979 | | Lowest Max | 81-1979 | | Lowest Max | | Lowest Max | 81-1979 | | | |
| | Lowest Min | 60-1959 | | Lowest Min | 60-1959 | | Lowest Min | 51-1971 | | Lowest Min | 51-1971 | | Lowest Min | 51-1971 | | Lowest Min | 51-1971 | | Lowest Min | | Lowest Min | 51-1971 | | | |
| | Highest Min | 81-1986 | | Highest Min | 85-1980 | | Highest Min | 81-1958 | | Highest Min | 81-1958 | | Highest Min | 81-1958 | | Highest Min | 81-1958 | | Highest Min | | Highest Min | 81-1958 | | | |
| | Greatest ppt | 1.24-1950 | | Greatest ppt | 3.78-1981 | | Greatest ppt | 1.04-1979 | | Greatest ppt | 1.04-1979 | | Greatest ppt | 1.04-1979 | | Greatest ppt | 1.04-1979 | | Greatest ppt | | Greatest ppt | 1.04-1979 | | | |

JULY AVERAGES

TEMPERATURE : 83.0°F
 PRECIPITATION : 3.42"
 HEATING DEGREE DAYS : 0
 COOLING DEGREE DAYS : 564