

# OKLAHOMA MONTHLY SUMMARY MAY 1994

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## **MONTHLY SUMMARY FOR MAY 1994**

Relatively cool, dry weather dominated Oklahoma during May. Severe weather activity was much less than usual during the month, but the relative absence of large thunderstorms also led to below normal precipitation at most reporting locations. Precipitation across the state averaged 4.02 inches, a deficit from normal of .84 inch. Locally heavy rains and some small tornadoes occurred during the passage of the month's only two major weather systems. Temperatures were also lower than normal. The statewide average temperature of 67.5 degrees for the month was 1.2 degrees below normal.

Precipitation for the first five months of the year totaled 14.29 inches (.54 inch above normal). The spring total of 11.65 inches is .89 inch above normal. Average temperature for the year and for the spring season are both within .3 degree of normal.

Cool, rainy weather dominated much of the state during the first few days of the month. Several locations in northwestern Oklahoma reported sub-freezing minimum temperatures on the first and second, while a number of reporting stations in the south reported daily rainfall amounts in excess of two inches, including Broken Bow with 3.12 inches reported on the 3rd.

A major weather-producing system crossed the state on the 6th, spawning small tornadoes in rural areas of Osage, Payne, Pawnee, Creek and Washington counties. Softball-sized hail was reported in Okfuskee and Pawnee counties. Locally heavy rain caused local flooding in northern Nowata County. Lenapah reported 5 inches of precipitation and Wann received 3.4 inches in 90 minutes. Several locations in eastern Oklahoma reported daily rainfall amounts in excess of two inches on the 7th and 8th. Kenton, in the western Panhandle reported 3.18 inches of precipitation on the 9th.

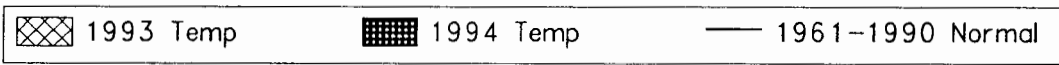
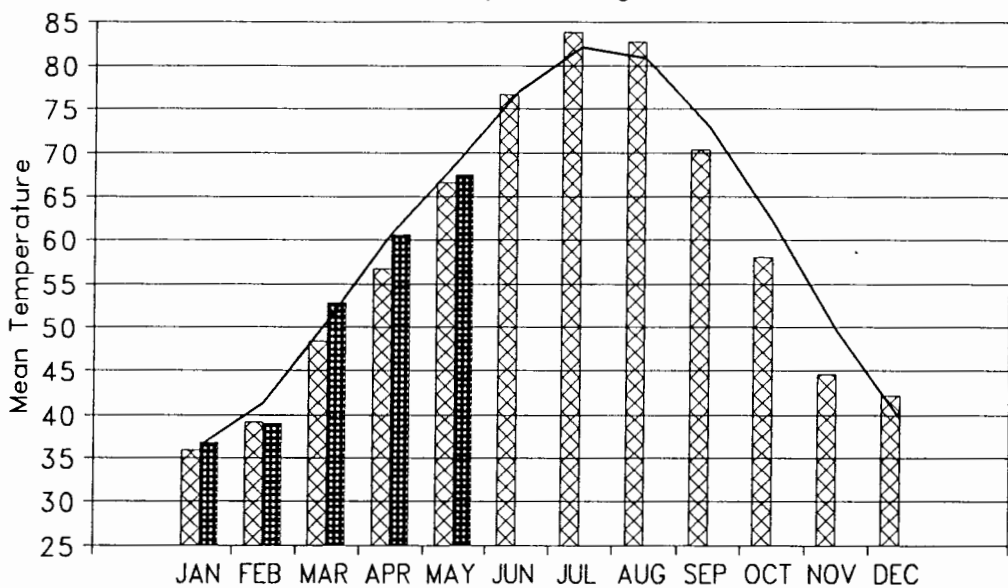
A weaker and considerably less active system just before the middle of the month produced scattered rainfall amounts of over one inch, including 1.64 inches reported at Arnett on the 14th. Warm, dry weather then dominated the state for the next 10 days. Daytime temperatures in the 90s were common, led by 95 at Upper Spavinaw on the 25th and 94 at Buffalo on the 24th.

The state's weather turned more seasonal during the last week of the month, most notably on the 24th when strong thunderstorms deposited large hail or locally heavy rain at many locations throughout the state. Three children were drowned in a flash flood near Duncan, which received 3.9 inches of rain. Four to six inches of rain fell in rural areas of Delaware County, and residents in Custer County reported as much as 6 inches of rain, most of it falling in a few hours. Local flooding was reported in Tulsa and Rogers County.

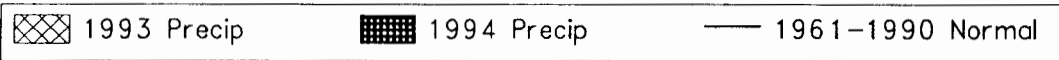
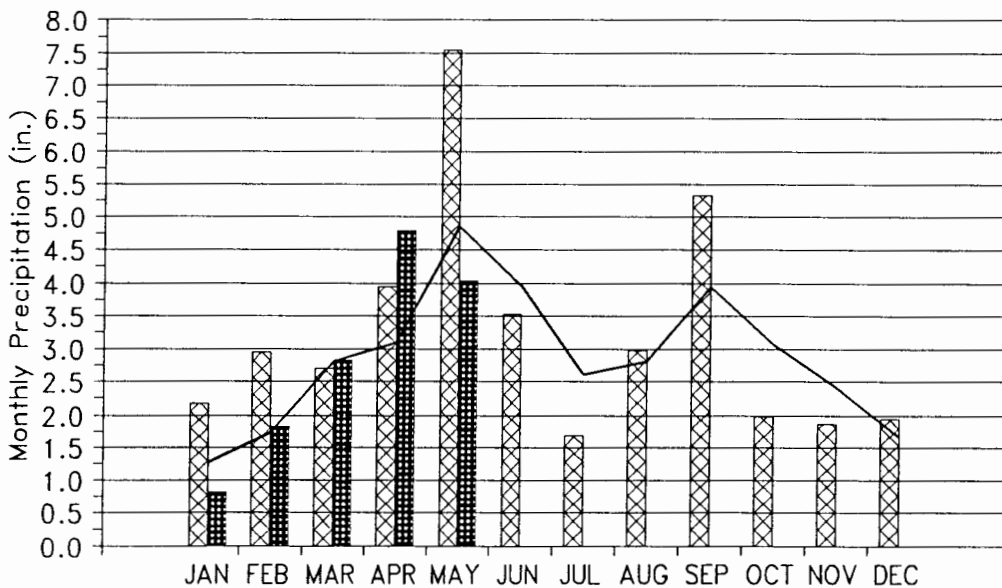
Thunderstorms were common over the state during the remainder of the month with several locations reporting daily precipitation amounts in excess of 2 inches on the 29th. Western Oklahoma experienced summer-like temperatures on the 30th and 31st. Mesonet stations at Beaver, Slapout, and Hooker reported temperatures over 100 degrees on the last day of the month. Hollis reported 99 degrees on the 31st, the highest report from the conventional temperature observing stations.

Howard L. Johnson

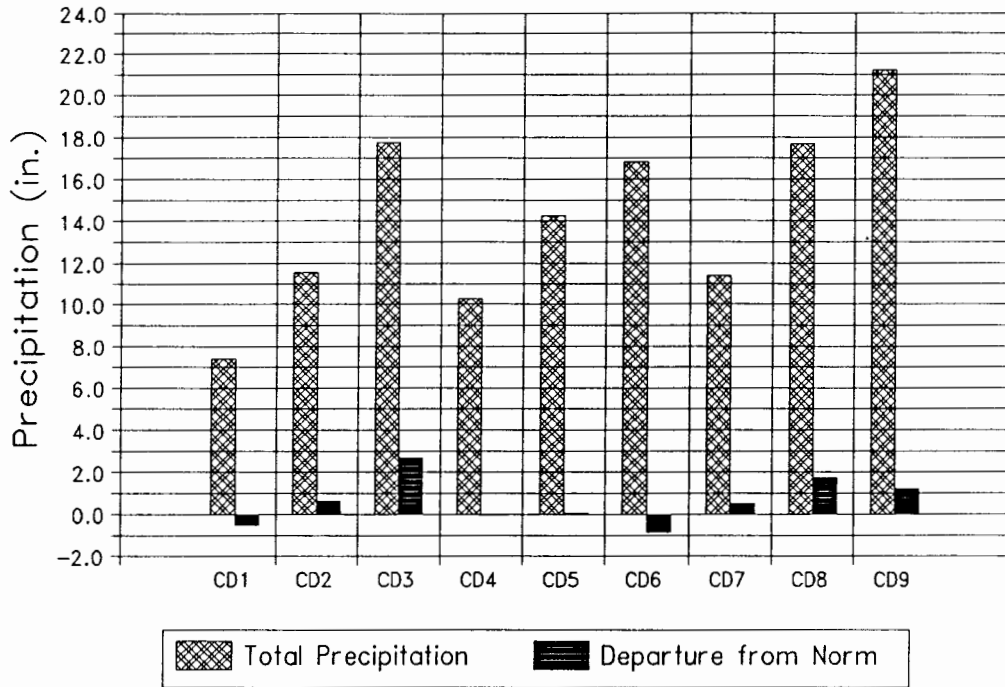
### 1993 and 1994 STATEWIDE TEMPERATURES Monthly Averages



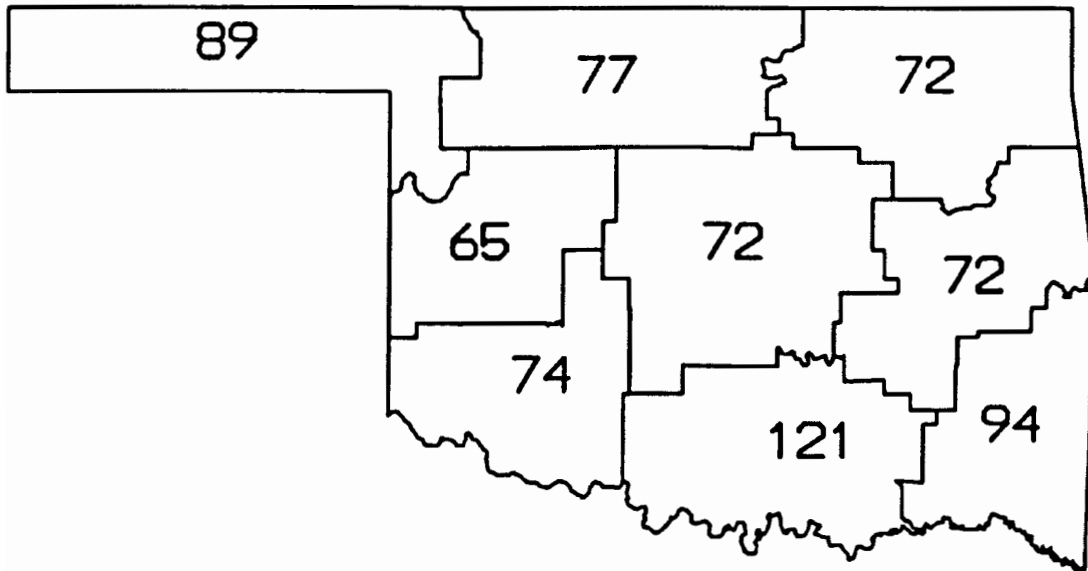
### 1993 and 1994 STATEWIDE PRECIPITATION Monthly Totals



### CD Averaged Precipitation January through May 1994



### CD PERCENT OF NORMAL PRECIPITATION



MAY 1994

-5-  
 EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION  
 MAY, 1994

| CD | MAX  |      |              | MIN  |      |            | 24-HOUR |      |             | MONTHLY |            |
|----|------|------|--------------|------|------|------------|---------|------|-------------|---------|------------|
|    | TEMP | DATE | LOCATION     | TEMP | DATE | LOCATION   | PRECIP  | DATE | LOCATION    | PRECIP  | LOCATION   |
| 1  | 98   | 31   | BEAVER       | 30   | 1    | BUFFALO    | 3.18    | 9    | KENTON      | 4.51    | KENTON     |
|    | 98   | 31   | BUFFALO      |      |      |            |         |      |             |         |            |
| 2  | 97   | 31   | ALVA         | 27   | 1    | FREEDOM    | 2.55    | 24   | WOODWARD    | 4.97    | MUTUAL     |
| 3  | 95   | 25   | UPPER SPAVIN | 33   | 1    | RALSTON    | 5.00    | 7    | LENAPAH     | 6.35    | LENAPAH    |
| 4  | 98   | 30   | REYDON       | 30   | 1    | HAMMON     | 2.81    | 26   | CANTON DAM  | 6.83    | CANTON DAM |
|    |      |      |              | 30   |      | TALOGA     |         |      |             |         |            |
| 5  | 94   | 30   | GUTHRIE      | 38   | 1    | HENNESSEY  | 2.09    | 29   | HENNESSEY   | 6.68    | COX CITY   |
|    | 94   | 31   | GUTHRIE      |      |      |            |         |      |             |         |            |
| 6  | 93   | 30   | EUFAULA      | 40   | 1    | STILWELL   | 1.90    | 26   | SALLISAW    | 6.71    | WETUMKA    |
|    | 93   | 31   | EUFAULA      | 40   | 2    | STILWELL   |         |      |             |         |            |
| 7  | 99   | 31   | HOLLIS       | 33   | 1    | ALTUS DAM  | 3.39    | 26   | CHATTANOOGA | 7.18    | DUNCAN     |
|    |      |      |              | 33   |      | MANGUM RES |         |      |             |         |            |
| 8  | 91   | 19   | WAURIKA      | 39   | 1    | WAURIKA    | 4.20    | 26   | HENNEPIN    | 9.94    | TISHOMINGO |
|    | 91   | 20   | WAURIKA      |      |      |            |         |      |             |         |            |
| 9  | 90   | 31   | BOSWELL      | 40   | 1    | TUSKAHOMA  | 3.12    | 3    | BROKEN BOW  | 9.54    | CARTER TWR |
|    | 90   | 25   | WILBURTON    |      |      |            |         |      |             |         |            |

**TABLE OF 1993/1994 COMPARISONS**

| Station       | MAY              |      | MAY                 |      |
|---------------|------------------|------|---------------------|------|
|               | Temperature (°F) |      | Precipitation (in.) |      |
|               | 1993             | 1994 | 1993                | 1994 |
| Arnett        | 63.1             | 63.7 | 6.05                | 3.92 |
| Enid          | 66.7             | 68.2 | 9.20                | 3.70 |
| Mutual        | 63.5             | 64.8 | 8.58                | 4.97 |
| Tulsa         | 66.6             | 67.4 | 7.00                | 2.92 |
| Elk City      | 67.1             | 67.8 | 5.10                | 2.11 |
| Oklahoma City | 66.0             | 66.7 | 10.90               | 2.69 |
| McAlester     | 69.4             | 68.3 | 4.99                | 3.99 |
| Altus Irr Sta | 68.8             | 69.5 | 7.87                | 2.48 |
| Durant        | 67.5             | 67.4 | 11.33               | 6.80 |
| Ada           | 66.6             | 67.4 | 3.68                | 5.91 |
| Hugo          | 69.1             | 69.2 | 6.80                | 5.14 |

**EXTREMES**

| Variable                      | Station | Division | Observation | Date |
|-------------------------------|---------|----------|-------------|------|
| Minimum temperature (°F)      | Freedom | 2        | 27          | 1    |
| Maximum temperature (°F)      | Hollis  | 7        | 99          | 31   |
| Maximum 24-hour precipitation | Lenapah | 3        | 5.00"       | 7    |

**MAY 1994 SUMMARY FOR NORTHWEST DIVISION (CD1)**

| 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 DAY | DAY TEMP | DEG DAY | FROM NORM | DEG DAY | FROM NORM | DEG DAY | FROM NORM | DEG DAY |       |         |         |               |           |     |
| ARNETT          | 332  | 1  | 63.7      | 31      | -2.0      | 92.      | 31      | 31.      | 1       | 103.5     | 17.5    | 63.0      | -45.0   | 3.920     | 31      | -.21  | 1.64    | 14      |               |           |     |
| BEAVER          | 593  | 1  | 65.9      | 31      | 1.0       | 98.      | 31      | 33.      | 1       | 84.0      | -14.0   | 113.0     | 18.0    | 1.382     | 31      | -1.66 | .65     | 29      |               |           |     |
| BOISE CITY 2 E  | 908  | 1  | 64.8      | 31      | 1.5       | 94.      | 31      | 36.      | 1       | 75.0      | -45.0   | 68.5      | .5      | 3.691     | 31      | 1.11  | 1.65    | 10      |               |           |     |
| BUFFALO         | 1243 | 1  | 68.9      | 31      | .7        | 98.      | 31      | 30.      | 1       | 45.5      | -11.5   | 165.0     | 9.0     | 2.050     | 31      | -2.31 | .80     | 24      |               |           |     |
| FARGO           | 3070 | 1  | *****     | 0       | *****     | *****    | 0       | *****    | 0       | *****     | *****   | *****     | *****   | 3.774     | 31      | .08   | 1.78    | 24      |               |           |     |
| GAGE FAA APT    | 3407 | 1  | 66.5      | 31      | -.7       | 94.      | 31      | 34.      | 1       | 65.5      | .5      | 111.0     | -22.0   | 3.464     | 31      | .11   | 1.44    | 25      |               |           |     |
| GATE            | 3489 | 1  | 66.8      | 31      | .5        | 97.      | 31      | 34.      | 1       | 83.5      | -3.5    | 138.5     | 11.5    | 2.350     | 31      | -.68  | 1.62    | 29      |               |           |     |
| GOODWELL RES ST | 3628 | 1  | 65.7      | 31      | 2.5       | 94.      | 31      | 32.      | 1       | 84.5      | -41.5   | 105.0     | 34.0    | 2.000     | 31      | -1.11 | .94     | 26      |               |           |     |
| GUYMON          | 3835 | 1  | 66.8      | 28      | *****     | 95.      | 30      | 34.      | 1       | 51.0      | *****   | 101.0     | *****   | 2.560     | 29      | ***** | 1.97    | 26      |               |           |     |
| HOOKER          | 4298 | 1  | 65.2      | 31      | .1        | 95.      | 31      | 33.      | 2       | 96.5      | 2.5     | 104.0     | 7.0     | 1.401     | 31      | -1.56 | .72     | 26      |               |           |     |
| KENTON          | 4766 | 1  | 64.8      | 29      | *****     | 93.      | 31      | 36.      | 1       | 74.5      | *****   | 69.5      | *****   | 4.511     | 31      | 2.02  | 3.18    | 9       |               |           |     |
| LAVERNE         | 5045 | 1  | *****     | 0       | *****     | *****    | 0       | *****    | 0       | *****     | *****   | *****     | *****   | 3.900     | 31      | .61   | 1.42    | 29      |               |           |     |
| OPTIMA LAKE     | 6740 | 1  | 66.4      | 30      | *****     | 94.      | 31      | 46.      | 3       | 60.5      | *****   | 102.5     | *****   | 3.852     | 31      | ***** | 2.31    | 10      |               |           |     |
| REGNIER         | 7534 | 1  | *****     | 0       | *****     | *****    | 0       | *****    | 0       | *****     | *****   | *****     | *****   | 2.011     | 31      | -.24  | 1.08    | 10      |               |           |     |
| TURPIN 4 SSE    | 9017 | 1  | 65.4      | 31      | *****     | 95.      | 31      | 32.      | 1       | 97.5      | *****   | 110.5     | *****   | 1.381     | 31      | ***** | 1.20    | 26      |               |           |     |

**MAY 1994 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)**

| 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 DAY | DAY TEMP | DEG DAY | FROM NORM | DEG DAY | FROM NORM | DEG DAY | FROM NORM | DEG DAY |       |         |         |               |           |     |
| ALVA            | 193  | 2  | 69.0      | 31      | *****     | 97.      | 31      | 38.      | 1       | 45.5      | *****   | 170.0     | *****   | 3.580     | 31      | ***** | 1.12    | 29      |               |           |     |
| VANCE AFB       | 302  | 2  | *****     | 0       | *****     | *****    | 0       | *****    | 0       | *****     | *****   | *****     | *****   | 4.480     | 31      | ***** | 1.82    | 29      |               |           |     |
| BILLINGS        | 755  | 2  | 65.4      | 31      | -2.2      | 91.      | 31      | 34.      | 1       | 88.5      | 24.5    | 102.0     | -43.0   | 2.262     | 31      | -2.25 | .90     | 29      |               |           |     |
| BLACKWELL 2E    | 818  | 2  | 66.9      | 31      | -.6       | 92.      | 30      | 33.      | 1       | 65.0      | 9.0     | 125.0     | -9.0    | 2.590     | 31      | -2.15 | 2.08    | 29      |               |           |     |
| BRAMAN          | 1075 | 2  | *****     | 0       | *****     | *****    | 0       | *****    | 0       | *****     | *****   | *****     | *****   | 1.410     | 29      | ***** | 1.18    | 29      |               |           |     |
| CEDARDALE       | 1620 | 2  | *****     | 0       | *****     | *****    | 0       | *****    | 0       | *****     | *****   | *****     | *****   | 3.020     | 31      | ***** | 1.28    | 24      |               |           |     |
| CHEROKEE        | 1724 | 2  | 67.7      | 31      | -1.3      | 94.      | 31      | 41.      | 1       | 52.5      | 16.5    | 137.5     | -22.5   | 4.460     | 31      | .57   | 1.05    | 29      |               |           |     |
| ENID            | 2912 | 2  | 68.2      | 31      | -.9       | 91.      | 31      | 39.      | 1       | 53.0      | 23.0    | 151.5     | -5.5    | 3.700     | 31      | -1.10 | 1.39    | 24      |               |           |     |
| FT SUPPLY DAM   | 3304 | 2  | 66.2      | 31      | .3        | 94.      | 31      | 34.      | 2       | 79.0      | 4.0     | 117.0     | 14.0    | 2.042     | 31      | -1.65 | .75     | 29      |               |           |     |
| FREEDOM         | 3358 | 2  | 64.6      | 31      | -4.1      | 94.      | 31      | 27.      | 1       | 105.0     | 65.0    | 92.5      | -62.5   | 3.330     | 31      | -.15  | 1.79    | 29      |               |           |     |
| GREAT SALT PLNS | 3740 | 2  | 66.7      | 31      | -1.1      | 93.      | 31      | 36.      | 1       | 77.5      | 20.5    | 129.0     | -14.0   | 2.041     | 31      | -1.81 | .45     | 24      |               |           |     |
| HARDY           | 3909 | 2  | *****     | 0       | *****     | *****    | 0       | *****    | 0       | *****     | *****   | *****     | *****   | 1.033     | 31      | ***** | .60     | 28      |               |           |     |
| HELENA 1 SSE    | 4019 | 2  | 67.3      | 31      | .8        | 93.      | 31      | 38.      | 1       | 71.5      | -6.5    | 144.0     | 19.0    | 4.181     | 31      | .16   | 1.75    | 29      |               |           |     |
| JEFFERSON       | 4573 | 2  | 68.4      | 31      | -.3       | 94.      | 31      | 35.      | 1       | 46.0      | 4.0     | 151.5     | -5.5    | 2.011     | 31      | -2.51 | .92     | 28      |               |           |     |
| LAMONT          | 5013 | 2  | *****     | 0       | *****     | *****    | 0       | *****    | 0       | *****     | *****   | *****     | *****   | 2.601     | 31      | ***** | 1.39    | 29      |               |           |     |
| MEDFORD         | 5768 | 2  | *****     | 0       | *****     | *****    | 0       | *****    | 0       | *****     | *****   | *****     | *****   | 2.380     | 31      | ***** | 1.25    | 28      |               |           |     |
| MORRISON        | 6065 | 2  | *****     | 0       | *****     | *****    | 0       | *****    | 0       | *****     | *****   | *****     | *****   | 3.840     | 31      | ***** | 1.60    | 7       |               |           |     |
| MUTUAL          | 6139 | 2  | 64.8      | 31      | -1.2      | 94.      | 31      | 31.      | 1       | 97.0      | 16.0    | 92.0      | -20.0   | 4.970     | 31      | .95   | 1.81    | 24      |               |           |     |
| NEWKIRK         | 6278 | 2  | 66.8      | 31      | -1.3      | 90.      | 31      | 31.      | 1       | 71.5      | 21.5    | 128.5     | -17.5   | 3.340     | 31      | -1.55 | 2.02    | 29      |               |           |     |
| ORIENTA         | 6751 | 2  | *****     | 0       | *****     | *****    | 0       | *****    | 0       | *****     | *****   | *****     | *****   | 4.580     | 31      | .80   | 1.80    | 24      |               |           |     |
| PERRY           | 7012 | 2  | 69.4      | 31      | .2        | 93.      | 31      | 37.      | 1       | 46.0      | 9.0     | 182.0     | 15.0    | 3.950     | 31      | -1.32 | 2.11    | 26      |               |           |     |
| PONCA CITY FAA  | 7201 | 2  | 69.0      | 31      | 1.2       | 94.      | 30      | 33.      | 1       | 53.0      | -15.0   | 178.5     | 23.5    | 2.603     | 31      | -1.96 | 2.06    | 29      |               |           |     |
| RED ROCK 1 NNE  | 7505 | 2  | *****     | 0       | *****     | *****    | 0       | *****    | 0       | *****     | *****   | *****     | *****   | 4.270     | 31      | -.34  | 1.97    | 26      |               |           |     |
| WAYNOKA         | 9404 | 2  | 67.4      | 31      | -1.5      | 94.      | 31      | 32.      | 1       | 61.0      | 23.0    | 136.5     | -22.5   | 3.080     | 31      | -1.02 | 1.33    | 29      |               |           |     |
| WOODWARD        | 9760 | 2  | *****     | 0       | *****     | *****    | 0       | *****    | 0       | *****     | *****   | *****     | *****   | 4.110     | 31      | .15   | 2.55    | 24      |               |           |     |

**MAY 1994 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 TEMP | DAY  | DEG DAY | FROM NORM | DEG DAY | FROM NORM | DEG DAY | FROM NORM | 24-HR MAX |         |         | DAY |  |
| BARNSDALL       | 535  | 3  | 66.6      | 31      | -2.0      | 89.      | 31       | 37.  | 1       | 63.5      | 30.5    | 113.0     | -32.0   | 2.621     | 31        | -2.18   | 1.04    | 26  |  |
| BARTLESVILLE 2W | 548  | 3  | 67.5      | 31      | -1.2      | 91.      | 31       | 39.  | 1       | 51.0      | 16.0    | 128.5     | -20.5   | .832      | 31        | -3.57   | .28     | 7   |  |
| BIXBY           | 782  | 3  | 65.7      | 31      | -1.9      | 88.      | 31       | 42.  | 2       | 78.5      | 28.5    | 101.0     | -30.0   | 3.510     | 31        | -1.49   | 1.11    | 29  |  |
| BURBANK         | 1256 | 3  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 4.760     | 31        | .03     | 2.58    | 6   |  |
| CHELSEA 4 S     | 1717 | 3  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 1.520     | 31        | *****   | .52     | 15  |  |
| CLAREMORE       | 1828 | 3  | 64.8      | 31      | -2.2      | 88.      | 26       | 41.  | 8       | 91.0      | 24.0    | 85.0      | -44.0   | 2.810     | 31        | -1.83   | 1.07    | 26  |  |
| CLEVELAND 5 WSW | 1902 | 3  | 68.2      | 31      | *****     | 89.      | 31       | 37.  | 1       | 50.0      | *****   | 148.5     | *****   | 4.830     | 31        | *****   | 2.10    | 29  |  |
| FORAKER         | 3250 | 3  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | .351      | 30        | *****   | .30     | 7   |  |
| HOLLOW          | 4258 | 3  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 2.911     | 31        | -2.11   | 1.54    | 7   |  |
| HOMINY          | 4289 | 3  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 2.873     | 31        | -1.68   | 1.24    | 30  |  |
| HULAH DAM       | 4393 | 3  | 65.7      | 31      | -.8       | 91.      | 31       | 37.  | 2       | 81.0      | 7.0     | 104.0     | -17.0   | .830      | 30        | *****   | .39     | 29  |  |
| JAY TOWER       | 4567 | 3  | 63.2      | 20      | *****     | 88.      | 31       | 41.  | 3       | 83.0      | *****   | 47.0      | *****   | 3.300     | 31        | *****   | 2.20    | 1   |  |
| KANSAS 1 ESE    | 4672 | 3  | 65.2      | 31      | -2.0      | 86.      | 31       | 40.  | 1       | 74.5      | 20.5    | 80.0      | -42.0   | 3.255     | 31        | -2.13   | 1.43    | 13  |  |
| KEYSTONE DAM    | 4812 | 3  | 64.8      | 31      | -2.5      | 89.      | 26       | 39.  | 1       | 87.0      | 31.0    | 82.0      | -45.0   | 3.911     | 29        | *****   | 2.04    | 29  |  |
| LENAPAH         | 5118 | 3  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 6.350     | 31        | *****   | 5.00    | 7   |  |
| MANNFORD 6 NW   | 5522 | 3  | 67.2      | 31      | -1.3      | 88.      | 31       | 38.  | 1       | 52.5      | 14.5    | 121.0     | -25.0   | 5.340     | 29        | *****   | 2.07    | 29  |  |
| MARAMEC         | 5540 | 3  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 4.051     | 31        | -.74    | 2.10    | 7   |  |
| MIAMI           | 5855 | 3  | 64.9      | 31      | -1.8      | 93.      | 26       | 35.  | 1       | 87.0      | 13.0    | 84.5      | -41.5   | 2.372     | 31        | -2.64   | 1.08    | 7   |  |
| NOWATA          | 6485 | 3  | 66.6      | 31      | -1.5      | 89.      | 31       | 41.  | 3       | 69.0      | 20.0    | 119.5     | -25.5   | 3.251     | 31        | -1.23   | 1.34    | 7   |  |
| PAWUSKA         | 6935 | 3  | 66.6      | 31      | -1.4      | 89.      | 31       | 34.  | 1       | 64.0      | 18.0    | 114.5     | -24.5   | 2.390     | 31        | -2.45   | 1.01    | 29  |  |
| PAWNEE          | 6940 | 3  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 5.080     | 31        | .18     | 2.55    | 7   |  |
| PRYOR 6 N       | 7309 | 3  | 64.6      | 31      | -2.4      | 89.      | 31       | 40.  | 9       | 89.5      | 21.5    | 78.0      | -52.0   | 2.733     | 31        | -1.94   | .64     | 13  |  |
| RALSTON         | 7390 | 3  | 67.3      | 31      | -1.5      | 90.      | 31       | 33.  | 1       | 50.5      | 10.5    | 121.0     | -37.0   | 5.251     | 31        | .49     | 2.90    | 7   |  |
| RAMONA 4 N      | 7394 | 3  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 1.090     | 31        | *****   | .54     | 18  |  |
| SKIATOOK        | 8258 | 3  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 2.350     | 31        | -2.34   | 1.09    | 29  |  |
| SPAVINAW        | 8380 | 3  | 68.0      | 31      | -.7       | 88.      | 31       | 41.  | 1       | 47.5      | 6.5     | 140.0     | -16.0   | 1.824     | 31        | -2.95   | .82     | 30  |  |
| TULSA WSO APT   | 8992 | 3  | 67.4      | 31      | -1.9      | 89.      | 25       | 43.  | 1       | 58.0      | 17.0    | 133.5     | -40.5   | 2.920     | 31        | -2.68   | 1.49    | 26  |  |
| UPPER SPAVINAW  | 9101 | 3  | 69.1      | 30      | *****     | 95.      | 25       | 40.  | 1       | 43.0      | *****   | 165.0     | *****   | 3.472     | 31        | *****   | .80     | 15  |  |
| VINITA 2 N      | 9203 | 3  | 65.3      | 31      | -1.7      | 88.      | 25       | 36.  | 1       | 78.5      | 9.5     | 87.0      | -44.0   | 2.720     | 31        | -2.39   | 1.12    | 13  |  |
| WAGONER         | 9247 | 3  | 66.9      | 31      | -2.1      | 87.      | 31       | 43.  | 1       | 52.5      | 18.5    | 112.5     | -45.5   | 4.183     | 31        | -.77    | 2.39    | 26  |  |
| WANN            | 9298 | 3  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 4.560     | 31        | *****   | 3.85    | 7   |  |
| WYONONA         | 9792 | 3  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 3.152     | 31        | *****   | 1.62    | 29  |  |

**MAY 1994 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 TEMP | DAY  | DEG DAY | FROM NORM | DEG DAY | FROM NORM | DEG DAY | FROM NORM | 24-HR MAX |         |         | DAY |  |
| CANTON DAM     | 1445 | 4  | 65.1      | 31      | -2.3      | 93.      | 31       | 32.  | 1       | 101.0     | 47.0    | 103.5     | -24.5   | 6.830     | 31        | 2.49    | 2.81    | 26  |  |
| CHEYENNE       | 1738 | 4  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 1.320     | 31        | -2.71   | .60     | 24  |  |
| CLINTON        | 1909 | 4  | 68.0      | 31      | -1.5      | 95.      | 31       | 33.  | 1       | 49.5      | 19.5    | 144.0     | -26.0   | 1.621     | 31        | -3.31   | .58     | 3   |  |
| COLONY         | 2039 | 4  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 2.352     | 31        | *****   | .81     | 3   |  |
| CORDELL        | 2125 | 4  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 1.525     | 31        | -3.16   | .70     | 3   |  |
| ELK CITY 1 E   | 2849 | 4  | 67.8      | 30      | -.8       | 93.      | 31       | 33.  | 1       | 47.0      | 20.0    | 132.0     | -7.0    | 2.112     | 31        | -2.46   | .79     | 26  |  |
| ERICK 4 E      | 2944 | 4  | 68.0      | 31      | -.3       | 95.      | 31       | 33.  | 1       | 45.5      | 5.5     | 137.5     | -4.5    | 1.201     | 31        | -2.89   | .81     | 3   |  |
| GEARY          | 3497 | 4  | 69.0      | 31      | .7        | 92.      | 31       | 41.  | 1       | 46.0      | 8.0     | 169.5     | 29.5    | 3.910     | 31        | -.59    | 1.82    | 26  |  |
| HAMMON 1 NNE   | 3871 | 4  | 64.9      | 30      | -2.0      | 94.      | 31       | 30.  | 1       | 98.0      | 36.0    | 96.0      | -25.0   | 1.183     | 31        | -3.06   | .63     | 13  |  |
| LEEDEY         | 5090 | 4  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 3.150     | 31        | -1.27   | 1.49    | 26  |  |
| MACKIE 4 NNW   | 5463 | 4  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 1.370     | 31        | *****   | .73     | 14  |  |
| MORAVIA 2 NNE  | 6035 | 4  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 2.170     | 31        | -2.50   | .97     | 26  |  |
| OKEENE         | 6629 | 4  | 67.2      | 31      | -2.1      | 92.      | 31       | 41.  | 1       | 56.5      | 26.5    | 126.0     | -37.0   | 6.480     | 31        | 2.04    | 2.20    | 29  |  |
| RETROP         | 7565 | 4  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 1.380     | 31        | *****   | .88     | 3   |  |
| REYDON         | 7579 | 4  | 71.6      | 31      | 4.6       | 98.      | 30       | 40.  | 1       | 24.5      | -36.5   | 228.5     | 105.5   | .882      | 30        | *****   | .46     | 26  |  |
| SAYRE          | 7952 | 4  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 1.161     | 31        | -3.17   | .58     | 3   |  |
| SWEETWATER 2 E | 8652 | 4  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 1.002     | 31        | *****   | .60     | 26  |  |
| TALOGA         | 8708 | 4  | 66.3      | 31      | -1.3      | 93.      | 30       | 30.  | 1       | 72.5      | 21.5    | 111.5     | -20.5   | 5.542     | 31        | .80     | 2.36    | 26  |  |
| THOMAS         | 8815 | 4  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 4.210     | 31        | *****   | 1.25    | 26  |  |
| VICI           | 9172 | 4  | *****     | 0       | *****     | ****     | 0        | **** | 0       | *****     | *****   | *****     | *****   | 3.751     | 31        | -.66    | 2.17    | 26  |  |
| WATONGA        | 9364 | 4  | 68.0      | 31      | -.4       | 93.      | 31       | 42.  | 1       | 60.0      | 24.0    | 152.0     | 10.0    | 3.491     | 31        | -1.13   | 1.10    | 24  |  |
| WEATHERFORD    | 9422 | 4  | 68.8      | 31      | .5        | 94.      | 31       | 38.  | 1       | 68.5      | 31.5    | 187.5     | 48.5    | 3.060     | 31        | -1.55   | .89     | 24  |  |

**MAY 1994 SUMMARY FOR CENTRAL DIVISION (CD5)**

| 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 DAY | DEG DAY | FROM NORM | DEG DAY | FROM NORM | DEG DAY | FROM NORM | DEG DAY |       |         |         |               |           |     |
| AMBER           | 200  | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | *****   | 2.450 | 31      | *****   | .75           | 3         |     |
| ARCADIA         | 288  | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | *****   | 4.341 | 31      | *****   | 1.42          | 29        |     |
| TINKER AFB      | 325  | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | *****   | 2.960 | 31      | *****   | 1.24          | 29        |     |
| BLANCHARD 2 SSW | 830  | 5  | 67.8      | 31      | -1.8      | 88.      | 31      | 42.     | 1         | 45.0    | 24.0      | 131.0   | -33.0     | 2.910   | 31    | -2.04   | .75     | 3             |           |     |
| BRISTOW         | 1144 | 5  | 67.3      | 31      | -1.9      | 88.      | 31      | 41.     | 4         | 54.5    | 27.5      | 126.0   | -31.0     | 4.581   | 31    | -.93    | 1.67    | 3             |           |     |
| CHANDLER        | 1684 | 5  | 67.9      | 31      | -1.3      | 89.      | 31      | 41.     | 1         | 48.5    | 21.5      | 137.0   | -20.0     | 4.212   | 31    | -1.07   | 1.53    | 3             |           |     |
| CHICKASHA EX ST | 1750 | 5  | 67.7      | 31      | -2.7      | 91.      | 31      | 43.     | 1         | 54.0    | 41.0      | 137.0   | -44.0     | 3.814   | 31    | -.87    | .91     | 29            |           |     |
| COX CITY 1 E    | 2196 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 6.680   | 31    | *****   | 1.20    | 24            |           |     |
| CRESCENT        | 2242 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 3.780   | 31    | *****   | 1.75    | 29            |           |     |
| CUSHING         | 2318 | 5  | 66.9      | 31      | -1.1      | 89.      | 31      | 40.     | 2         | 71.0    | 22.0      | 129.5   | -12.5     | 3.830   | 31    | -1.57   | 1.45    | 7             |           |     |
| EL RENO 1 N     | 2818 | 5  | 67.6      | 31      | -1.1      | 91.      | 31      | 45.     | 3         | 49.0    | 23.0      | 129.5   | -11.5     | 3.580   | 31    | -1.83   | 1.20    | 26            |           |     |
| GUTHRIE         | 3821 | 5  | 69.9      | 31      | .2        | 94.      | 31      | 41.     | 1         | 39.5    | 11.5      | 190.0   | 16.0      | 3.241   | 31    | -1.73   | 1.43    | 29            |           |     |
| HENNESSEY 4 ESE | 4055 | 5  | 67.3      | 31      | -1.6      | 92.      | 31      | 38.     | 1         | 57.5    | 18.5      | 129.0   | -31.0     | 5.400   | 31    | .66     | 2.09    | 29            |           |     |
| INGALLS         | 4489 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 4.292   | 31    | *****   | 2.00    | 7             |           |     |
| KINGFISHER 2 SE | 4861 | 5  | 68.1      | 31      | -1.3      | 92.      | 30      | 43.     | 1         | 50.5    | 20.5      | 147.0   | -20.0     | 4.600   | 31    | -.03    | 1.94    | 29            |           |     |
| KONAWA          | 4915 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 4.521   | 31    | -1.18   | 1.83    | 3             |           |     |
| MARSHALL        | 5589 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 2.760   | 31    | -2.12   | 1.32    | 29            |           |     |
| MEEKER 4 W      | 5779 | 5  | 66.7      | 31      | -2.3      | 89.      | 30      | 42.     | 1         | 56.5    | 27.5      | 109.5   | -43.5     | 2.950   | 31    | -2.62   | 1.30    | 28            |           |     |
| MULHALL         | 6110 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 2.670   | 31    | *****   | 1.33    | 29            |           |     |
| NORMAN 3 S      | 6386 | 5  | 67.0      | 31      | -2.7      | 91.      | 31      | 41.     | 1         | 58.5    | 43.5      | 119.5   | -41.5     | 2.743   | 31    | -2.42   | 1.27    | 29            |           |     |
| OILTON 2 SE     | 6616 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 4.960   | 31    | *****   | 2.00    | 6             |           |     |
| OKEMAH          | 6638 | 5  | 68.6      | 31      | -.4       | 88.      | 31      | 43.     | 1         | 43.0    | 19.0      | 153.5   | 5.5       | 4.700   | 31    | -.60    | 1.33    | 29            |           |     |
| OKLAHOMA CTY WS | 6661 | 5  | 66.7      | 31      | -1.7      | 88.      | 31      | 42.     | 1         | 55.5    | 24.5      | 109.5   | -26.5     | 2.693   | 31    | -2.53   | 1.30    | 29            |           |     |
| PERKINS         | 7003 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 3.090   | 31    | -2.40   | 1.46    | 29            |           |     |
| PIEDMONT        | 7068 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 4.810   | 31    | *****   | 1.40    | 26            |           |     |
| PRAGUE          | 7264 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 2.701   | 31    | -2.59   | 1.30    | 2             |           |     |
| PURCELL 5 SW    | 7327 | 5  | 67.5      | 31      | -2.5      | 89.      | 31      | 41.     | 1         | 45.5    | 31.5      | 123.5   | -45.5     | 5.652   | 31    | .08     | 1.35    | 25            |           |     |
| SEMINOLE        | 8042 | 5  | 68.8      | 31      | -1.8      | 90.      | 31      | 42.     | 1         | 44.0    | 29.0      | 161.0   | -28.0     | 3.051   | 31    | -2.18   | 1.41    | 3             |           |     |
| SHAWNEE         | 8110 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 3.101   | 31    | -2.57   | 1.35    | 29            |           |     |
| STELLA          | 8479 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 2.880   | 31    | *****   | 1.36    | 29            |           |     |
| STILLWATER 2 W  | 8501 | 5  | 66.9      | 31      | -.8       | 92.      | 31      | 40.     | 8         | 79.0    | 30.0      | 139.0   | 6.0       | 2.833   | 31    | -2.30   | 1.21    | 29            |           |     |
| STROUD 1 N      | 8563 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 3.812   | 31    | *****   | 1.67    | 3             |           |     |
| TECUMSEH        | 8751 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 3.560   | 31    | *****   | 1.40    | 29            |           |     |
| TROUSDALE       | 8960 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 4.540   | 31    | *****   | 1.26    | 3             |           |     |
| UNION CITY 1 SE | 9086 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 3.071   | 31    | -2.52   | .86     | 26            |           |     |
| WELTY 1 SSE     | 9479 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 3.582   | 31    | *****   | 1.22    | 3             |           |     |
| WEWOKA          | 9575 | 5  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 3.450   | 31    | -1.76   | 1.56    | 3             |           |     |

**MAY 1994 SUMMARY FOR EAST CENTRAL DIVISION (CD6)**

| 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 DAY | DEG DAY | FROM NORM | DEG DAY | FROM NORM | DEG DAY | FROM NORM | DEG DAY |       |         |         |               |           |     |
| ASHLAND        | 364  | 6  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | *****   | 3.613 | 31      | *****   | 1.82          | 3         |     |
| BEGGS          | 631  | 6  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | *****   | 3.100 | 31      | *****   | 1.49          | 3         |     |
| BOYNTON        | 1027 | 6  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | *****   | 3.173 | 31      | *****   | 1.20          | 3         |     |
| CHECOTAH       | 1711 | 6  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | *****   | 3.410 | 31      | -2.01   | 1.21          | 3         |     |
| CLAYTON 14 WNW | 1858 | 6  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | *****   | 3.070 | 31      | *****   | 1.64          | 30        |     |
| DEWAR 2 NE     | 2485 | 6  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | *****   | 4.010 | 31      | -1.22   | 1.20          | 3         |     |
| DUSTIN         | 2690 | 6  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | *****   | 4.320 | 31      | *****   | 1.57          | 3         |     |
| EUFULA         | 2993 | 6  | 74.0      | 31      | 3.6       | 93.      | 31      | 50.     | 2         | 17.5    | .5        | 295.0   | 111.0     | 5.010   | 31    | -.67    | 1.63    | 3             |           |     |
| HANNA          | 3884 | 6  | 67.2      | 31      | -2.3      | 87.      | 25      | 44.     | 1         | 44.0    | 26.0      | 112.0   | -46.0     | 5.382   | 31    | -.63    | 1.80    | 3             |           |     |
| HARTSHORNE     | 3946 | 6  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 5.120   | 31    | *****   | 1.64    | 3             |           |     |
| HASKELL        | 3956 | 6  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 3.391   | 31    | -1.82   | 1.14    | 3             |           |     |
| HOLDENVILLE    | 4235 | 6  | 67.4      | 31      | -2.0      | 88.      | 31      | 44.     | 1         | 44.0    | 24.0      | 117.5   | -38.5     | 3.661   | 31    | -1.73   | 1.62    | 3             |           |     |
| LAKE EUFULA    | 4975 | 6  | 66.6      | 31      | *****     | 89.      | 27      | 42.     | 4         | 76.5    | *****     | 127.0   | *****     | 4.981   | 31    | *****   | 1.69    | 3             |           |     |
| LYONS 2 N      | 5437 | 6  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 2.690   | 31    | -2.92   | 1.26    | 26            |           |     |
| MARBLE CITY    | 5546 | 6  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 2.548   | 31    | *****   | 1.19    | 8             |           |     |
| MCALESTER FAA  | 5664 | 6  | 68.3      | 31      | -.8       | 89.      | 31      | 46.     | 3         | 40.5    | 5.5       | 144.0   | -18.0     | 3.993   | 31    | -1.90   | 1.53    | 29            |           |     |
| MCCURTAIN 1 SE | 5693 | 6  | 68.4      | 31      | -1.3      | 89.      | 25      | 42.     | 2         | 46.5    | 20.5      | 152.0   | -19.0     | 4.951   | 31    | -1.09   | 1.65    | 8             |           |     |
| MUSKOGEE       | 6130 | 6  | 67.7      | 31      | -1.4      | 89.      | 31      | 44.     | 8         | 49.5    | 16.5      | 133.5   | -26.5     | 4.460   | 31    | -.66    | 1.14    | 2             |           |     |
| OKMULGEE W W   | 6670 | 6  | 64.8      | 31      | -3.4      | 88.      | 26      | 43.     | 1         | 80.0    | 46.0      | 73.5    | -59.5     | 2.571   | 30    | *****   | 1.12    | 3             |           |     |
| OKTAHA 2 NE    | 6678 | 6  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 4.840   | 31    | *****   | 1.37    | 13            |           |     |
| SALLISAW 2 NE  | 7862 | 6  | 67.8      | 16      | *****     | 88.      | 30      | 44.     | 8         | 18.5    | *****     | 63.0    | *****     | 2.790   | 31    | -3.02   | 1.90    | 26            |           |     |
| SCIPIO         | 7979 | 6  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 3.710   | 31    | *****   | 1.61    | 29            |           |     |
| SHORT          | 8170 | 6  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 5.000   | 31    | *****   | 1.63    | 26            |           |     |
| STILWELL 1 NE  | 8506 | 6  | 64.2      | 31      | -3.2      | 87.      | 31      | 40.     | 2         | 79.0    | 27.0      | 54.0    | -72.0     | 2.700   | 31    | -2.97   | 1.21    | 26            |           |     |
| TAHLEQUAH      | 8677 | 6  | 65.4      | 31      | -2.6      | 89.      | 17      | 41.     | 8         | 77.0    | 15.0      | 88.0    | -67.0     | 1.620   | 31    | -3.76   | .67     | 3             |           |     |
| WEBBERS FALLS  | 9445 | 6  | 65.5      | 31      | -3.0      | 87.      | 31      | 44.     | 8         | 80.0    | 38.0      | 95.5    | -54.5     | 4.881   | 31    | -.76    | 1.31    | 13            |           |     |
| WESTVILLE      | 9523 | 6  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 1.200   | 31    | *****   | .50     | 29            |           |     |
| WETUMKA 3 NE   | 9571 | 6  | *****     | 0       | *****     | ****     | 0       | ****    | 0         | *****   | *****     | *****   | *****     | 6.710   | 31    | 1.42    | 1.86    | 7             |           |     |



MAY 1994 SUMMARY FOR SOUTHWEST DIVISION (CD7)

| NAME            | ID   | CD | DEV       |         |           |          |         |      | HEAT DEG DAY | DEV FROM NORM DAY | 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 | MIN DAY | DAY  |              |                   |              |               |         |         |               |           |      |    |
| ALTUS IRR STA   | 179  | 7  | 69.5      | 31      | -2.1      | 96.      | 31      | 35.  | 1            | 41.0              | 29.0         | 179.0         | -37.0   | 2.480   | 31            | -1.75     | 1.12 | 26 |
| ALTUS DAM       | 184  | 7  | 68.9      | 31      | -1.2      | 94.      | 31      | 33.  | 1            | 72.5              | 51.5         | 194.5         | 15.5    | 3.210   | 31            | -1.20     | 1.68 | 26 |
| ANADARKO        | 224  | 7  | 67.6      | 31      | -2.1      | 89.      | 31      | 42.  | 2            | 48.0              | 25.0         | 130.0         | -39.0   | 2.641   | 31            | -2.04     | 1.22 | 3  |
| APACHE          | 260  | 7  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 2.720   | 31            | -2.29     | .88  | 13 |
| ALTUS AFB       | 447  | 7  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 1.934   | 30            | *****     | .62  | 26 |
| CARNEGIE 2 ENE  | 1504 | 7  | 68.5      | 31      | -1.3      | 94.      | 31      | 39.  | 1            | 43.0              | 26.0         | 153.0         | -13.0   | 2.870   | 31            | -2.25     | 1.03 | 2  |
| CHATTANOOGA     | 1706 | 7  | 69.7      | 31      | -1.3      | 93.      | 25      | 37.  | 1            | 36.5              | 27.5         | 182.5         | -12.5   | 5.530   | 31            | 1.08      | 3.39 | 26 |
| DUNCAN 11 W     | 2668 | 7  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 7.180   | 31            | *****     | 3.17 | 25 |
| FREDERICK       | 3353 | 7  | 66.9      | 31      | -3.4      | 93.      | 25      | 37.  | 2            | 70.5              | 51.5         | 130.5         | -52.5   | 4.420   | 31            | .12       | 2.20 | 3  |
| GRANDFIELD 4 NW | 3709 | 7  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 4.720   | 31            | .31       | 2.92 | 26 |
| HEADRICK        | 3998 | 7  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 2.601   | 31            | *****     | .80  | 27 |
| HOBART FAA APT  | 4204 | 7  | 68.5      | 31      | -1.4      | 95.      | 31      | 34.  | 1            | 54.5              | 31.5         | 163.0         | -12.0   | 1.563   | 31            | -2.94     | .72  | 2  |
| HOLLIS          | 4249 | 7  | 69.2      | 31      | -2.0      | 99.      | 31      | 35.  | 1            | 43.0              | 26.0         | 173.0         | -36.0   | 1.250   | 31            | -2.27     | .55  | 13 |
| LAWTON          | 5063 | 7  | 67.6      | 31      | -2.4      | 90.      | 31      | 43.  | 1            | 63.0              | 48.0         | 143.0         | -27.0   | 4.502   | 31            | -.42      | 1.08 | 26 |
| FORT SILL       | 5068 | 7  | 68.0      | 31      | *****     | 88.      | 31      | 43.  | 1            | 44.5              | *****        | 139.0         | *****   | 4.584   | 31            | *****     | 1.53 | 12 |
| LOOKEBA 2 ENE   | 5329 | 7  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 4.730   | 31            | -.08      | 1.20 | 24 |
| MANGUM RES STA  | 5509 | 7  | 68.8      | 31      | -2.6      | 96.      | 31      | 33.  | 1            | 45.5              | 31.5         | 163.5         | -49.5   | 2.100   | 31            | -2.15     | .55  | 3  |
| RANDLETT 9 E    | 7403 | 7  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 2.800   | 31            | *****     | 1.25 | 3  |
| ROOSEVELT       | 7727 | 7  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 2.170   | 31            | -2.68     | .97  | 26 |
| SEDAN           | 8016 | 7  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 1.850   | 31            | *****     | .72  | 3  |
| SNYDER          | 8299 | 7  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 3.791   | 31            | -.89      | 1.55 | 26 |
| VINSON 3 WNW    | 9212 | 7  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 1.570   | 31            | -2.40     | .53  | 26 |
| WALTERS         | 9278 | 7  | 67.2      | 31      | -4.3      | 91.      | 25      | 42.  | 1            | 64.0              | 55.0         | 133.5         | -77.5   | 5.450   | 29            | *****     | 1.60 | 28 |
| WICHITA MT WLR  | 9629 | 7  | 65.1      | 31      | -3.1      | 88.      | 31      | 36.  | 1            | 84.0              | 52.0         | 87.5          | -43.5   | 3.321   | 31            | -1.66     | 1.38 | 13 |
| WILLOW          | 9668 | 7  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 2.110   | 31            | *****     | .91  | 3  |

MAY 1994 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

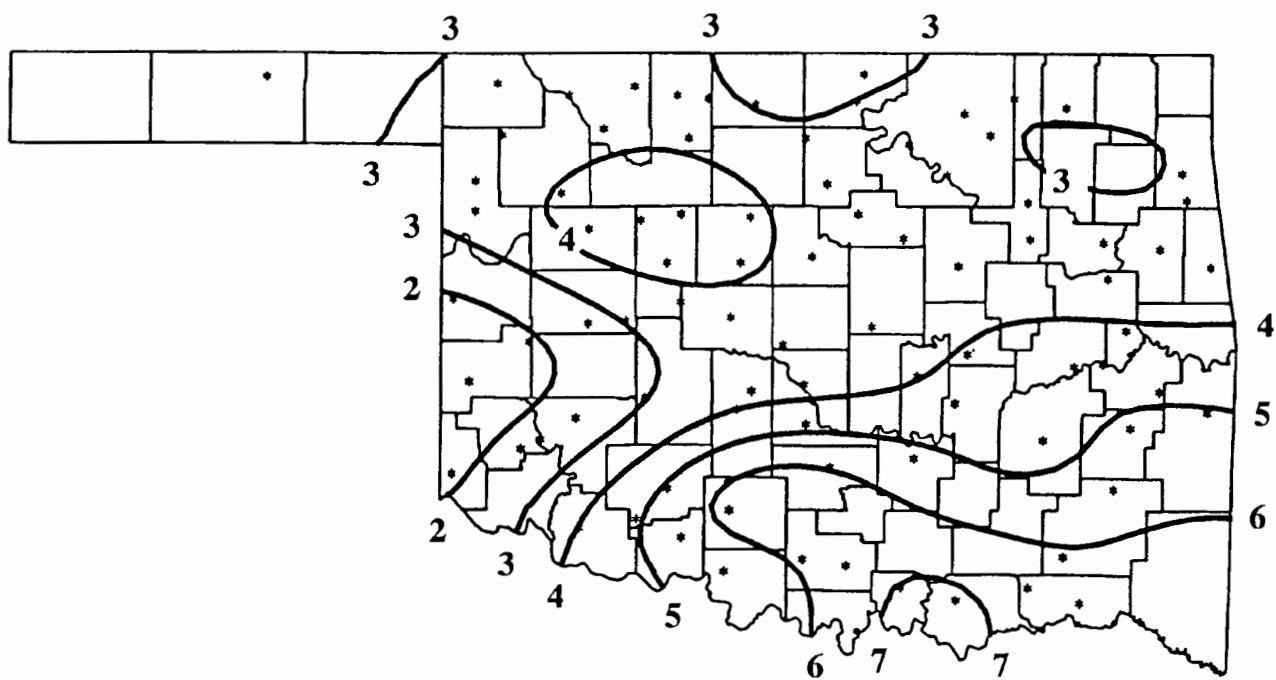
| NAME             | ID   | CD | DEV       |         |           |          |         |      | HEAT DEG DAY | DEV FROM NORM DAY | COOL DEG DAY | DEV FROM NORM | TOT PPT | NUM OBS | DEV FROM NORM | MAX 24-HR | DAY  |    |
|------------------|------|----|-----------|---------|-----------|----------|---------|------|--------------|-------------------|--------------|---------------|---------|---------|---------------|-----------|------|----|
|                  |      |    | MEAN TEMP | NUM OBS | FROM NORM | MAX TEMP | MIN DAY | DAY  |              |                   |              |               |         |         |               |           |      |    |
| ADA              | 17   | 8  | 67.4      | 31      | -2.2      | 87.      | 31      | 42.  | 1            | 49.5              | 29.5         | 122.5         | -40.5   | 5.913   | 31            | .29       | 2.12 | 30 |
| ALLEN            | 147  | 8  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 6.450   | 31            | *****     | 1.70 | 3  |
| ARDMORE          | 292  | 8  | 68.4      | 31      | -3.6      | 88.      | 31      | 45.  | 1            | 41.5              | 36.5         | 146.0         | -76.0   | 7.510   | 31            | 2.53      | 1.63 | 30 |
| ATOKA DAM        | 394  | 8  | 68.2      | 21      | *****     | 89.      | 26      | 45.  | 3            | 36.5              | *****        | 103.0         | *****   | 8.170   | 21            | *****     | 2.18 | 2  |
| BOKCHITO         | 917  | 8  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 8.030   | 31            | *****     | 2.02 | 3  |
| CENTRAHOMA       | 1648 | 8  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 4.250   | 31            | *****     | 1.80 | 3  |
| CHICKASAW NRA    | 1745 | 8  | 69.0      | 30      | .0        | 89.      | 31      | 49.  | 1            | 17.5              | -.5          | 136.5         | -5.5    | 9.221   | 30            | *****     | 2.81 | 25 |
| COLEMAN          | 2011 | 8  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 7.480   | 31            | *****     | 2.70 | 26 |
| COMANCHE         | 2054 | 8  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 4.980   | 31            | -.03      | 1.35 | 2  |
| DAISY 4 ENE      | 2354 | 8  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 6.833   | 31            | -.08      | 2.20 | 3  |
| DUNCAN           | 2660 | 8  | 66.9      | 31      | -3.1      | 88.      | 31      | 42.  | 1            | 70.0              | 55.0         | 127.5         | -42.5   | 9.521   | 31            | 4.38      | 3.90 | 26 |
| DURANT USDA      | 2678 | 8  | 67.4      | 31      | -2.3      | 85.      | 31      | 45.  | 1            | 59.0              | 39.0         | 132.5         | -33.5   | 6.800   | 31            | 1.22      | 2.05 | 3  |
| FARRIS 3 WNW     | 3083 | 8  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 6.710   | 31            | 1.34      | 2.50 | 26 |
| GRADY            | 3688 | 8  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 3.980   | 31            | *****     | 1.20 | 26 |
| HEALDTON         | 4001 | 8  | 67.7      | 30      | -2.7      | 87.      | 31      | 44.  | 1            | 42.5              | 29.5         | 123.5         | -56.5   | 5.390   | 31            | .30       | 1.40 | 26 |
| HENNEPIN         | 4052 | 8  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 9.780   | 31            | *****     | 4.20 | 26 |
| KETCHUM RANCH    | 4780 | 8  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 8.090   | 31            | *****     | 2.45 | 26 |
| KINGSTON         | 4865 | 8  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 8.900   | 31            | 3.61      | 2.75 | 26 |
| LEHIGH           | 5108 | 8  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 5.975   | 31            | *****     | 1.97 | 25 |
| LINDSAY 2 W      | 5216 | 8  | 67.9      | 31      | -2.1      | 89.      | 31      | 44.  | 1            | 43.0              | 29.0         | 132.5         | -36.5   | 4.600   | 29            | *****     | 1.23 | 29 |
| LOCO 6 SE        | 5247 | 8  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 4.890   | 31            | *****     | 1.48 | 3  |
| MADILL           | 5468 | 8  | 69.0      | 30      | -1.9      | 89.      | 17      | 44.  | 8            | 42.0              | 33.0         | 162.0         | -29.0   | 6.540   | 30            | *****     | 2.69 | 2  |
| MARIETTA         | 5563 | 8  | 69.3      | 31      | -1.4      | 88.      | 31      | 46.  | 1            | 37.0              | 26.0         | 169.0         | -19.0   | 6.840   | 31            | 1.91      | 3.40 | 26 |
| MARLOW 1 WSW     | 5581 | 8  | 68.7      | 31      | -.8       | 89.      | 31      | 41.  | 1            | 39.0              | 23.0         | 154.5         | -1.5    | 7.550   | 31            | 2.40      | 2.38 | 25 |
| MC GEE CREEK DAM | 5713 | 8  | 68.1      | 31      | *****     | 88.      | 26      | 44.  | 3            | 56.0              | *****        | 153.5         | *****   | 8.190   | 31            | *****     | 3.25 | 26 |
| PAULS VALLEY     | 6926 | 8  | 68.0      | 31      | -2.6      | 90.      | 31      | 43.  | 1            | 37.5              | 20.5         | 130.5         | -60.5   | 6.780   | 31            | 1.04      | 1.40 | 25 |
| PONTOTOC         | 7214 | 8  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 5.930   | 31            | .24       | 1.67 | 2  |
| TISHOMINGO NWLR  | 8884 | 8  | 68.0      | 21      | *****     | 89.      | 31      | 46.  | 2            | 31.0              | *****        | 93.0          | *****   | 9.940   | 22            | *****     | 2.50 | 26 |
| TUSSY            | 9032 | 8  | *****     | 0       | *****     | ****     | 0       | **** | 0            | *****             | *****        | *****         | *****   | 8.220   | 31            | *****     | 2.12 | 24 |
| WAURIKA          | 9395 | 8  | 69.5      | 31      | -2.2      | 91.      | 20      | 39.  | 1            | 36.5              | 28.5         | 175.5         | -40.5   | 3.861   | 31            | -.54      | 1.28 | 2  |
| WAURIKA DAM      | 9399 | 8  | 68.5      | 31      | *****     | 90.      | 31      | 44.  | 1            | 55.0              | *****        | 165.0         | *****   | 3.982   | 31            | *****     | 1.33 | 3  |

**MAY 1994 SUMMARY FOR SOUTHEAST DIVISION (CD9)**

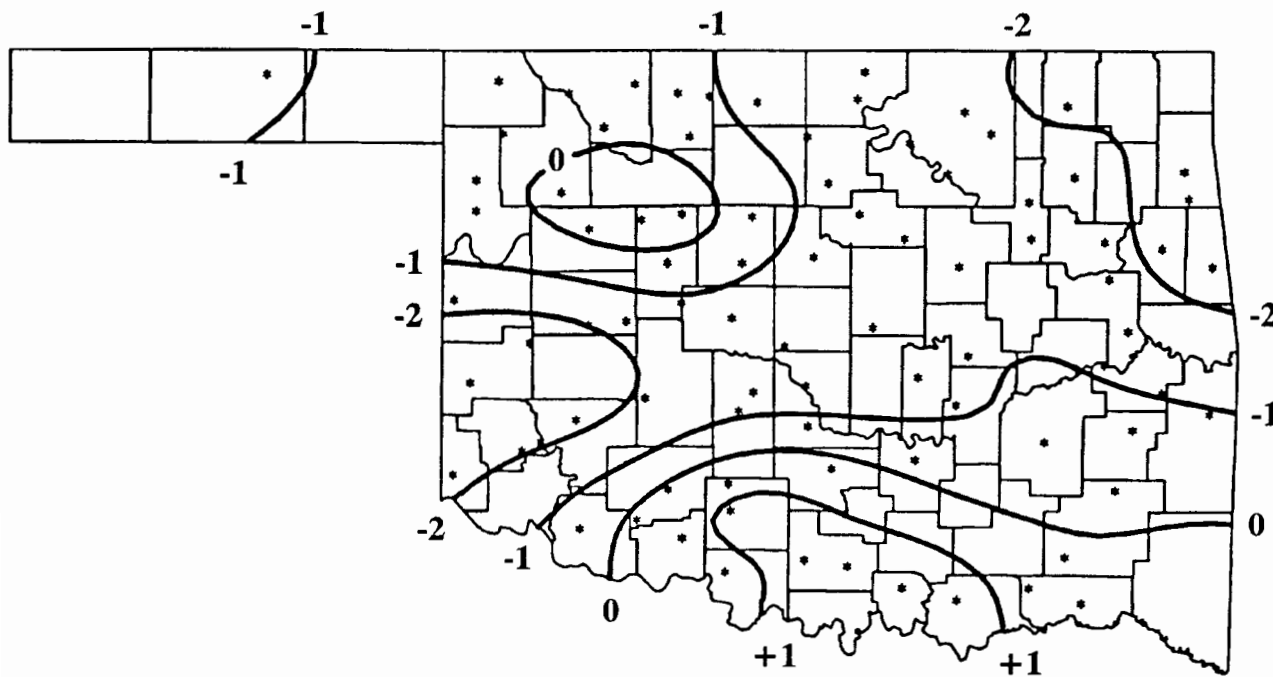
| NAME                | ID   | CD | DEV       |         |           |          |         |          | HEAT    |               | DEV     |               | COOL    |               | DEV           |       | TOT PPT | NUM OBS | FROM NORM | MAX 24-HR | DAY |
|---------------------|------|----|-----------|---------|-----------|----------|---------|----------|---------|---------------|---------|---------------|---------|---------------|---------------|-------|---------|---------|-----------|-----------|-----|
|                     |      |    | MEAN TEMP | NUM OBS | FROM NORM | MAX TEMP | MIN DAY | MIN TEMP | DEG DAY | DEG FROM NORM | DEG DAY | DEG FROM NORM | DEG DAY | DEG FROM NORM | DEG FROM NORM |       |         |         |           |           |     |
| ANTLERS             | 256  | 9  | 68.0      | 31      | -1.7      | 88.      | 31      | 41.      | 1       | 41.5          | 25.5    | 135.0         | -26.0   | 8.100         | 31            | 1.90  | 3.00    | 26      |           |           |     |
| BATTIEST 1 SSW      | 567  | 9  | 65.0      | 31      | *****     | 85.      | 30      | 41.      | 2       | 68.0          | *****   | 68.5          | *****   | 8.910         | 30            | ***** | 2.70    | 26      |           |           |     |
| BEAR MT TWR         | 584  | 9  | 67.3      | 30      | -2.3      | 88.      | 26      | 42.      | 2       | 52.0          | 35.0    | 122.5         | -37.5   | 7.780         | 29            | ***** | 2.27    | 3       |           |           |     |
| BENGAL              | 670  | 9  | *****     | 0       | *****     | ****     | 0       | ****     | 0       | *****         | *****   | *****         | *****   | 5.030         | 31            | ***** | 2.26    | 8       |           |           |     |
| BOSWELL 4 NNW       | 980  | 9  | 68.0      | 31      | -1.9      | 90.      | 31      | 44.      | 1       | 52.5          | 38.5    | 145.0         | -21.0   | 6.813         | 31            | 1.14  | 2.33    | 3       |           |           |     |
| BROKEN BOW 1 N      | 1162 | 9  | *****     | 0       | *****     | ****     | 0       | ****     | 0       | *****         | *****   | *****         | *****   | 8.610         | 31            | 2.29  | 3.12    | 3       |           |           |     |
| BROKEN BOW DAM      | 1168 | 9  | 68.1      | 31      | -.9       | 88.      | 31      | 42.      | 1       | 48.0          | 20.0    | 145.0         | -7.0    | 8.661         | 30            | ***** | 2.47    | 26      |           |           |     |
| CARNASAW TWR        | 1499 | 9  | *****     | 0       | *****     | ****     | 0       | ****     | 0       | *****         | *****   | *****         | *****   | 8.330         | 31            | 1.54  | 2.83    | 26      |           |           |     |
| CARTER TWR          | 1544 | 9  | *****     | 0       | *****     | ****     | 0       | ****     | 0       | *****         | *****   | *****         | *****   | 9.540         | 31            | 2.72  | 2.66    | 3       |           |           |     |
| FANSHAW             | 3065 | 9  | *****     | 0       | *****     | ****     | 0       | ****     | 0       | *****         | *****   | *****         | *****   | 5.700         | 31            | -.93  | 2.64    | 8       |           |           |     |
| HEAVENER 1 SE       | 4008 | 9  | *****     | 0       | *****     | ****     | 0       | ****     | 0       | *****         | *****   | *****         | *****   | 6.000         | 31            | -.50  | 1.45    | 3       |           |           |     |
| HEE MT TWR          | 4017 | 9  | *****     | 0       | *****     | ****     | 0       | ****     | 0       | *****         | *****   | *****         | *****   | 7.292         | 31            | .58   | 2.57    | 3       |           |           |     |
| HUGO                | 4384 | 9  | 69.2      | 31      | -1.8      | 87.      | 25      | 44.      | 2       | 38.0          | 28.0    | 168.5         | -27.5   | 5.142         | 31            | -.84  | 1.79    | 3       |           |           |     |
| IDABEL              | 4451 | 9  | 68.2      | 31      | -1.5      | 88.      | 31      | 43.      | 1       | 51.5          | 32.5    | 152.0         | -12.0   | 5.863         | 31            | -.04  | 2.18    | 3       |           |           |     |
| POTEAU W W          | 7254 | 9  | 66.9      | 31      | *****     | 89.      | 30      | 43.      | 2       | 67.0          | *****   | 124.5         | *****   | 4.742         | 31            | ***** | 1.60    | 3       |           |           |     |
| SMITHVILLE 1 W      | 8285 | 9  | 65.2      | 31      | -2.3      | 86.      | 30      | 41.      | 2       | 72.0          | 29.0    | 77.0          | -43.0   | 5.953         | 31            | -1.02 | 2.20    | 3       |           |           |     |
| SPIRO               | 8416 | 9  | *****     | 0       | *****     | ****     | 0       | ****     | 0       | *****         | *****   | *****         | *****   | 4.431         | 31            | -1.29 | 1.46    | 3       |           |           |     |
| TUSKAHOMA           | 9023 | 9  | 67.5      | 31      | -2.2      | 89.      | 25      | 40.      | 1       | 44.0          | 28.0    | 122.0         | -40.0   | 6.191         | 31            | -.51  | 2.36    | 3       |           |           |     |
| VALLIANT 3 W        | 9118 | 9  | *****     | 0       | *****     | ****     | 0       | ****     | 0       | *****         | *****   | *****         | *****   | 6.492         | 31            | .31   | 2.12    | 3       |           |           |     |
| WILBURTON 9 ENE9634 | 9    | 9  | 67.3      | 31      | -1.6      | 90.      | 25      | 41.      | 1       | 46.0          | 8.0     | 116.0         | -43.0   | 5.660         | 31            | -.43  | 2.45    | 7       |           |           |     |

**MAY 1994 CLIMATE DIVISION SUMMARY**

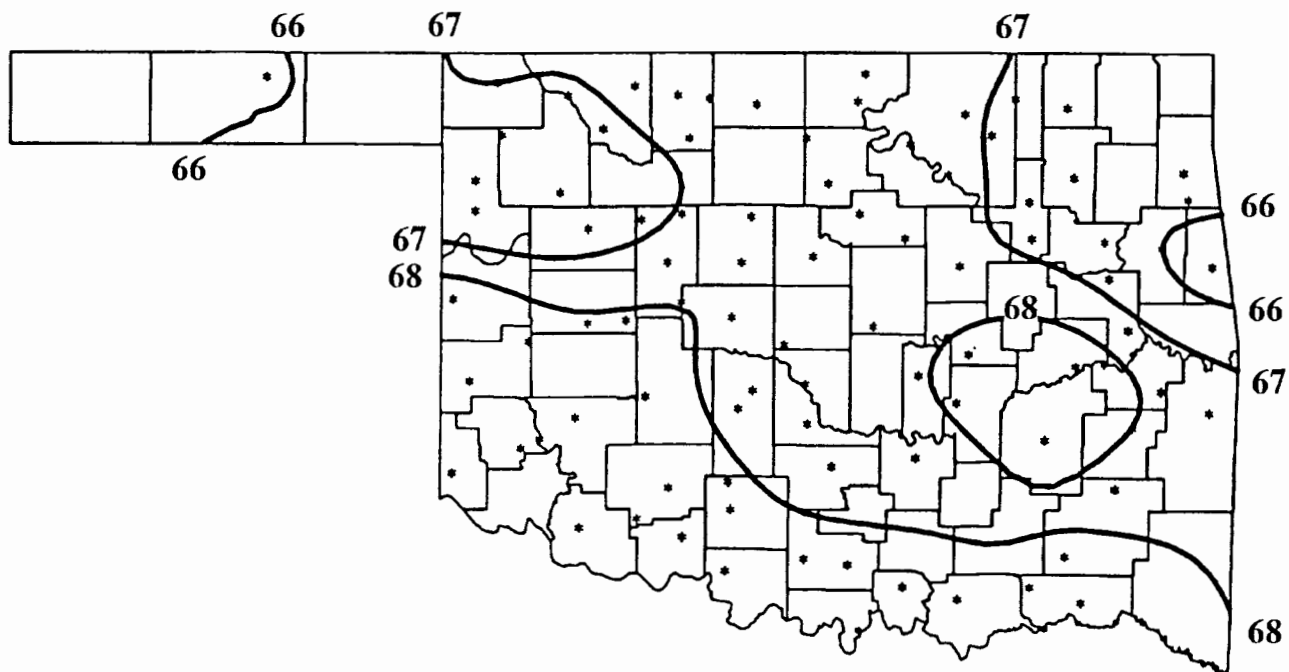
| CLIMATE DIV | MEAN TEMP | NUM STA | DEV       |          |          | MIN TEMP | DAY | HEAT DEGREE |        | DEV    |        | COOL DEGREE |        | DEV   |      | TOT PPT | NUM STA | FROM NORM | MAX 24-HR | DAY |
|-------------|-----------|---------|-----------|----------|----------|----------|-----|-------------|--------|--------|--------|-------------|--------|-------|------|---------|---------|-----------|-----------|-----|
|             |           |         | FROM NORM | MAX TEMP | MIN TEMP |          |     | DEGREE      | DEGREE | DEGREE | DEGREE | DEGREE      | DEGREE |       |      |         |         |           |           |     |
| 1           | 65.9      | 10      | .8        | 98.0     | 31       | 30.0     | 1   | 79.6        | -15.6  | 108.1  | 8.7    | 2.83        | 14     | -.36  | 3.18 | 9       |         |           |           |     |
| 2           | 67.2      | 15      | -.7       | 97.0     | 31       | 27.0     | 1   | 67.5        | 14.3   | 135.8  | -8.4   | 3.27        | 24     | -1.01 | 2.55 | 24      |         |           |           |     |
| 3           | 66.5      | 19      | -1.4      | 95.0     | 25       | 33.0     | 1   | 66.8        | 15.6   | 111.5  | -28.9  | 3.25        | 28     | -1.61 | 5.00 | 7       |         |           |           |     |
| 4           | 67.7      | 11      | -.6       | 98.0     | 30       | 30.0     | 1   | 60.8        | 20.0   | 144.4  | 2.0    | 2.80        | 21     | -1.64 | 2.81 | 26      |         |           |           |     |
| 5           | 67.7      | 16      | -1.5      | 94.0     | 31       | 38.0     | 1   | 53.2        | 26.1   | 135.7  | -20.8  | 3.75        | 37     | -1.49 | 2.09 | 29      |         |           |           |     |
| 6           | 67.2      | 11      | -1.8      | 93.0     | 31       | 40.0     | 2   | 57.7        | 24.4   | 126.5  | -29.7  | 3.86        | 27     | -1.69 | 1.90 | 26      |         |           |           |     |
| 7           | 68.1      | 13      | -2.2      | 99.0     | 31       | 33.0     | 1   | 54.6        | 37.2   | 151.7  | -31.8  | 3.25        | 23     | -1.32 | 3.39 | 26      |         |           |           |     |
| 8           | 68.3      | 14      | -2.0      | 91.0     | 20       | 39.0     | 1   | 44.7        | 30.3   | 145.1  | -33.3  | 6.65        | 26     | 1.29  | 4.20 | 26      |         |           |           |     |
| 9           | 67.3      | 11      | -2.1      | 90.0     | 25       | 40.0     | 1   | 52.8        | 30.4   | 125.1  | -34.9  | 6.46        | 17     | .11   | 3.12 | 3       |         |           |           |     |



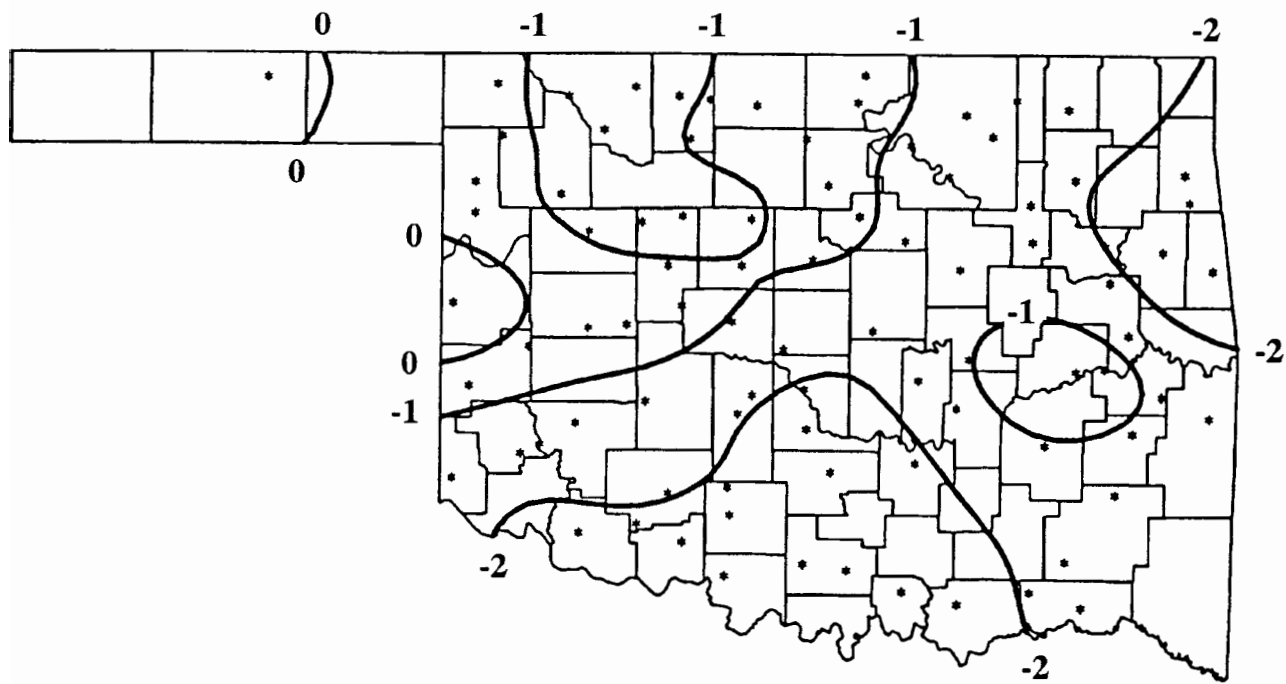
MAY 1994 TOTAL PRECIPITATION  
(Inches)



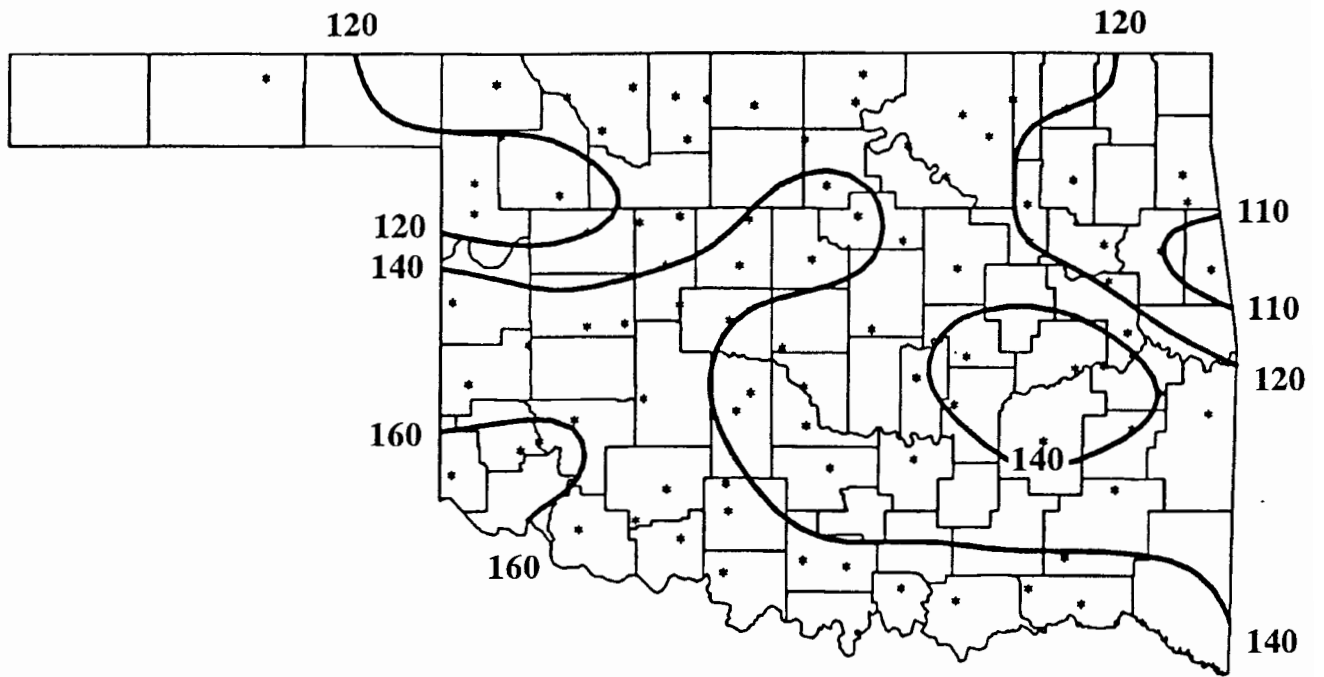
MAY 1994 DEVIATION FROM NORMAL PRECIPITATION  
(Inches)



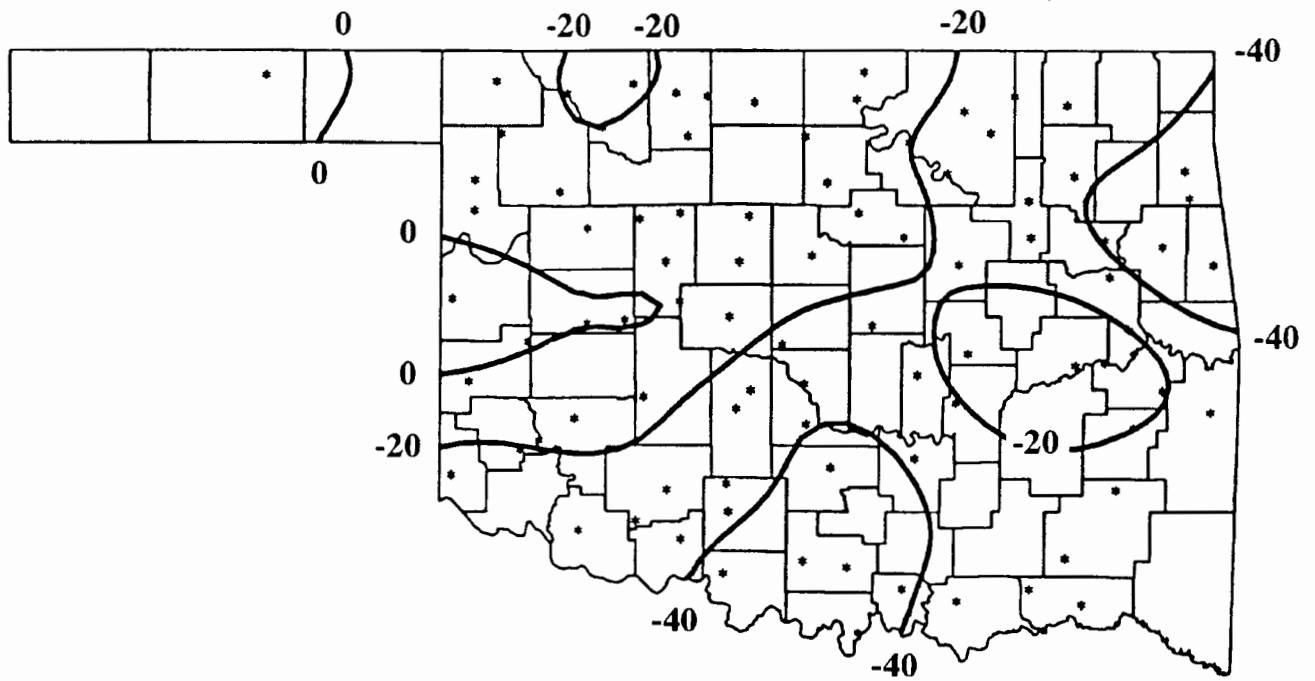
MAY 1994 AVERAGE MONTHLY TEMPERATURES  
(Degrees F)



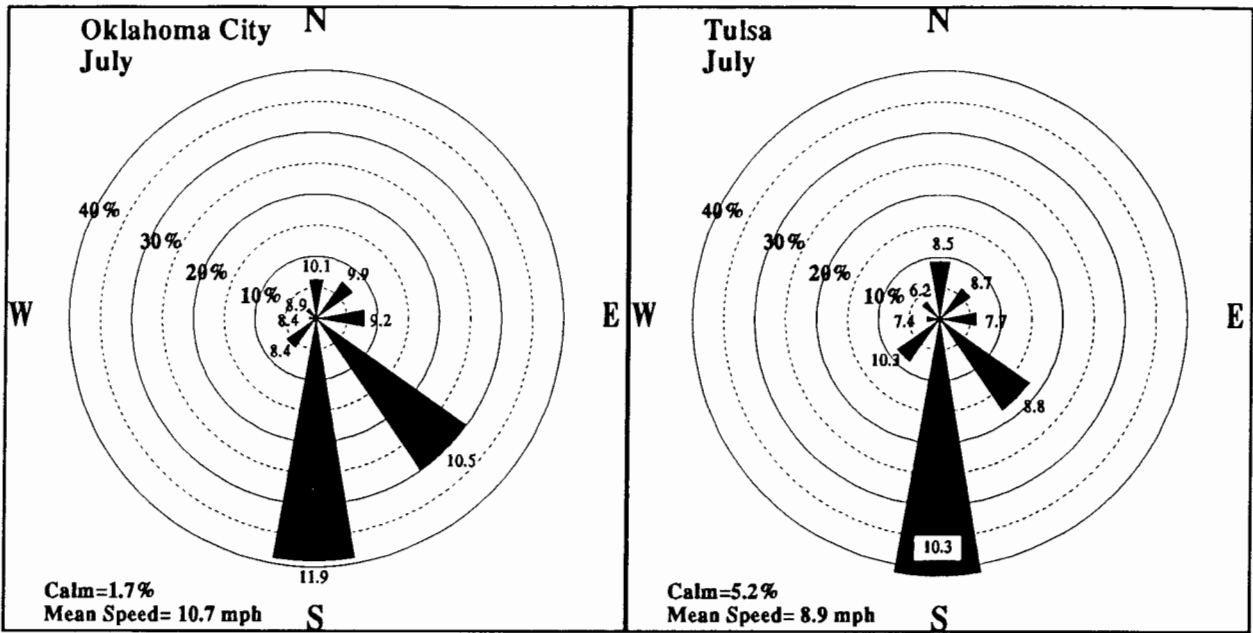
MAY 1994 DEVIATION FROM NORMAL TEMPERATURES  
(Degrees F)



MAY 1994 COOLING DEGREE DAYS



MAY 1994 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.

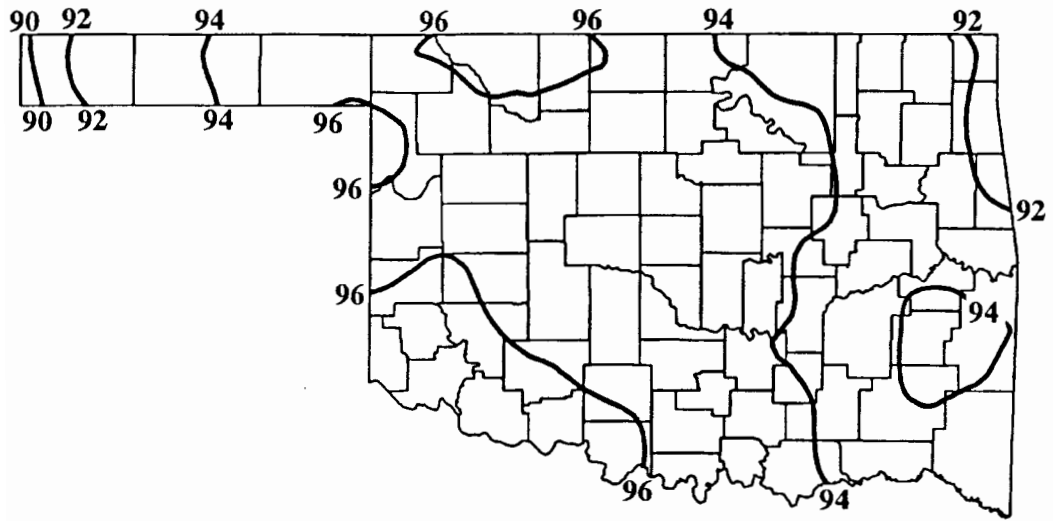
**JULY 1994 SUNRISE AND SUNSET**

**OKLAHOMA CITY**

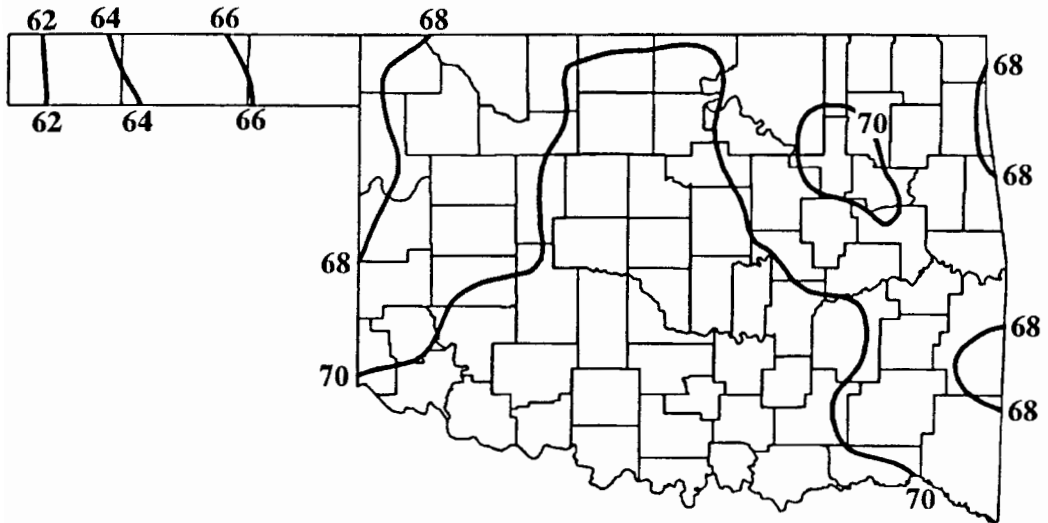
**TULSA**

| DATE   | SUNRISE | SUNSET     | DAYLIGHT       |
|--------|---------|------------|----------------|
| 94 7 1 | 6:21AM  | 8:47PM CDT | 14 hrs 27 mins |
| 94 7 2 | 6:21AM  | 8:47PM CDT | 14 hrs 26 mins |
| 94 7 3 | 6:22AM  | 8:47PM CDT | 14 hrs 26 mins |
| 94 7 4 | 6:22AM  | 8:47PM CDT | 14 hrs 25 mins |
| 94 7 5 | 6:22AM  | 8:47PM CDT | 14 hrs 25 mins |
| 94 7 6 | 6:23AM  | 8:47PM CDT | 14 hrs 24 mins |
| 94 7 7 | 6:23AM  | 8:47PM CDT | 14 hrs 23 mins |
| 94 7 8 | 6:24AM  | 8:47PM CDT | 14 hrs 23 mins |
| 94 7 9 | 6:24AM  | 8:46PM CDT | 14 hrs 22 mins |
| 94 710 | 6:25AM  | 8:46PM CDT | 14 hrs 21 mins |
| 94 711 | 6:25AM  | 8:46PM CDT | 14 hrs 20 mins |
| 94 712 | 6:26AM  | 8:46PM CDT | 14 hrs 20 mins |
| 94 713 | 6:27AM  | 8:45PM CDT | 14 hrs 19 mins |
| 94 714 | 6:27AM  | 8:45PM CDT | 14 hrs 18 mins |
| 94 715 | 6:28AM  | 8:45PM CDT | 14 hrs 17 mins |
| 94 716 | 6:28AM  | 8:44PM CDT | 14 hrs 16 mins |
| 94 717 | 6:29AM  | 8:44PM CDT | 14 hrs 15 mins |
| 94 718 | 6:30AM  | 8:43PM CDT | 14 hrs 14 mins |
| 94 719 | 6:30AM  | 8:43PM CDT | 14 hrs 13 mins |
| 94 720 | 6:31AM  | 8:42PM CDT | 14 hrs 12 mins |
| 94 721 | 6:32AM  | 8:42PM CDT | 14 hrs 10 mins |
| 94 722 | 6:32AM  | 8:41PM CDT | 14 hrs 9 mins  |
| 94 723 | 6:33AM  | 8:41PM CDT | 14 hrs 8 mins  |
| 94 724 | 6:34AM  | 8:40PM CDT | 14 hrs 7 mins  |
| 94 725 | 6:34AM  | 8:40PM CDT | 14 hrs 5 mins  |
| 94 726 | 6:35AM  | 8:39PM CDT | 14 hrs 4 mins  |
| 94 727 | 6:36AM  | 8:38PM CDT | 14 hrs 3 mins  |
| 94 728 | 6:36AM  | 8:38PM CDT | 14 hrs 1 mins  |
| 94 729 | 6:37AM  | 8:37PM CDT | 14 hrs 0 mins  |
| 94 730 | 6:38AM  | 8:36PM CDT | 13 hrs 58 mins |
| 94 731 | 6:38AM  | 8:35PM CDT | 13 hrs 57 mins |

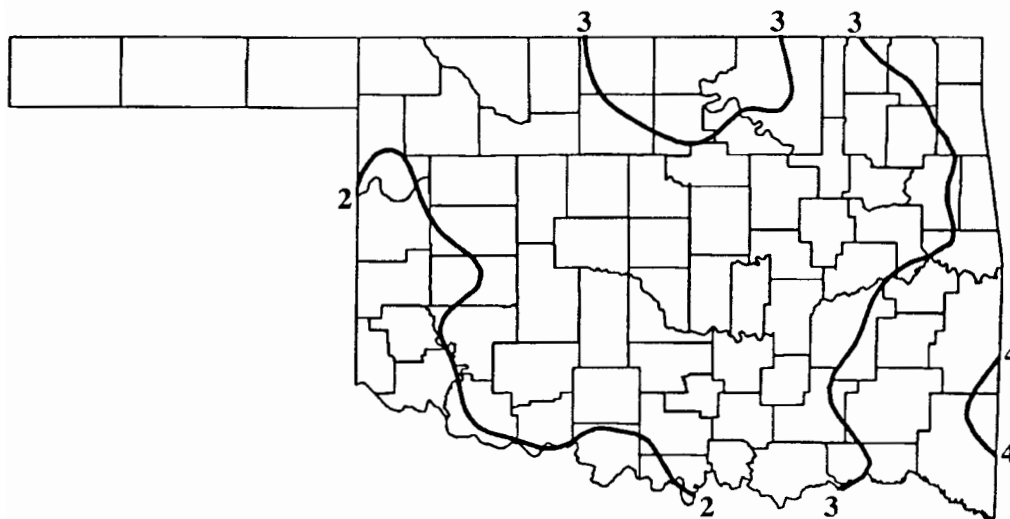
| DATE   | SUNRISE | SUNSET     | DAYLIGHT       |
|--------|---------|------------|----------------|
| 94 7 1 | 6:12AM  | 8:43PM CDT | 14 hrs 31 mins |
| 94 7 2 | 6:12AM  | 8:43PM CDT | 14 hrs 30 mins |
| 94 7 3 | 6:13AM  | 8:43PM CDT | 14 hrs 30 mins |
| 94 7 4 | 6:13AM  | 8:42PM CDT | 14 hrs 29 mins |
| 94 7 5 | 6:14AM  | 8:42PM CDT | 14 hrs 29 mins |
| 94 7 6 | 6:14AM  | 8:42PM CDT | 14 hrs 28 mins |
| 94 7 7 | 6:14AM  | 8:42PM CDT | 14 hrs 28 mins |
| 94 7 8 | 6:15AM  | 8:42PM CDT | 14 hrs 27 mins |
| 94 7 9 | 6:16AM  | 8:42PM CDT | 14 hrs 26 mins |
| 94 710 | 6:16AM  | 8:41PM CDT | 14 hrs 25 mins |
| 94 711 | 6:17AM  | 8:41PM CDT | 14 hrs 25 mins |
| 94 712 | 6:17AM  | 8:41PM CDT | 14 hrs 24 mins |
| 94 713 | 6:18AM  | 8:41PM CDT | 14 hrs 23 mins |
| 94 714 | 6:18AM  | 8:40PM CDT | 14 hrs 22 mins |
| 94 715 | 6:19AM  | 8:40PM CDT | 14 hrs 21 mins |
| 94 716 | 6:20AM  | 8:39PM CDT | 14 hrs 20 mins |
| 94 717 | 6:20AM  | 8:39PM CDT | 14 hrs 19 mins |
| 94 718 | 6:21AM  | 8:39PM CDT | 14 hrs 18 mins |
| 94 719 | 6:22AM  | 8:38PM CDT | 14 hrs 17 mins |
| 94 720 | 6:22AM  | 8:38PM CDT | 14 hrs 15 mins |
| 94 721 | 6:23AM  | 8:37PM CDT | 14 hrs 14 mins |
| 94 722 | 6:24AM  | 8:36PM CDT | 14 hrs 13 mins |
| 94 723 | 6:24AM  | 8:36PM CDT | 14 hrs 12 mins |
| 94 724 | 6:25AM  | 8:35PM CDT | 14 hrs 10 mins |
| 94 725 | 6:26AM  | 8:35PM CDT | 14 hrs 9 mins  |
| 94 726 | 6:26AM  | 8:34PM CDT | 14 hrs 8 mins  |
| 94 727 | 6:27AM  | 8:33PM CDT | 14 hrs 6 mins  |
| 94 728 | 6:28AM  | 8:32PM CDT | 14 hrs 5 mins  |
| 94 729 | 6:28AM  | 8:32PM CDT | 14 hrs 3 mins  |
| 94 730 | 6:29AM  | 8:31PM CDT | 14 hrs 2 mins  |
| 94 731 | 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**

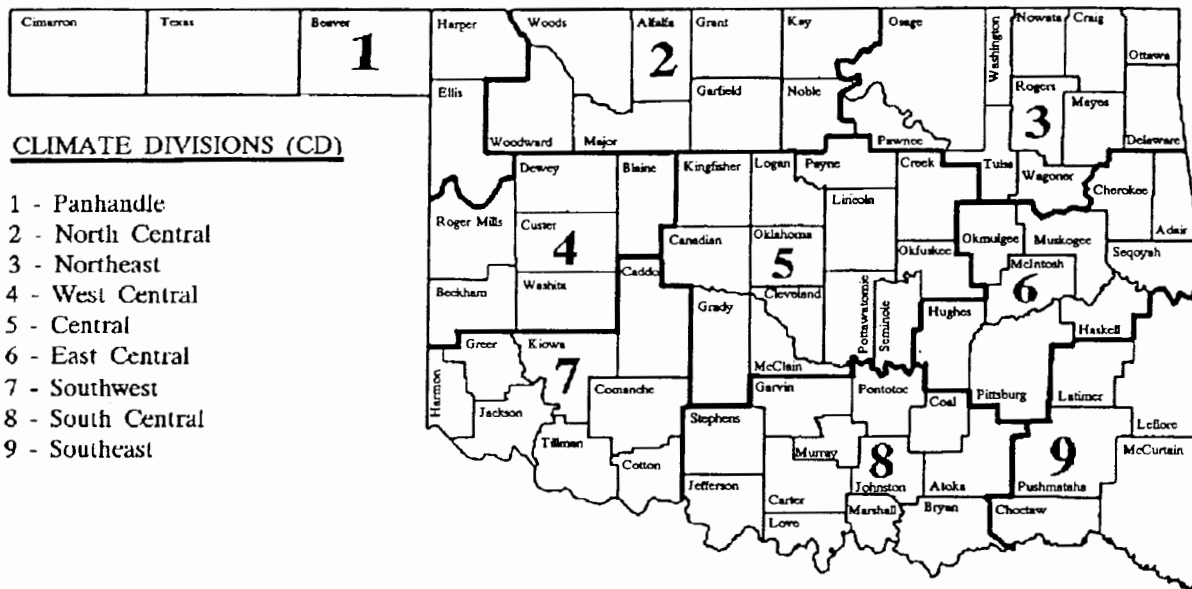
**(JUNE 1994 - AUGUST 1994)**

**Precipitation - Above Normal Statewide**

**Temperature - Near Normal Statewide**



# 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 is less than 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 exceeds 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 1994**

|               | <b>1</b>   | <b>2</b>   | <b>3</b>   | <b>4</b>   | <b>5</b>   | <b>6</b>   | <b>7</b>   | <b>8</b>   | <b>9</b>   | <b>10</b>  | <b>11</b>  | <b>12</b>  | <b>13</b>  | <b>14</b>  | <b>15</b>  | <b>16</b>  | <b>17</b>  | <b>18</b>  | <b>19</b>  | <b>20</b>  | <b>21</b>  | <b>22</b>  | <b>23</b>  | <b>24</b>  | <b>25</b>  | <b>26</b>  | <b>27</b>  | <b>28</b>  | <b>29</b>  | <b>30</b>  | <b>31</b>  |
|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Normal</b> | 90.3<br>69.5<br>70.3<br>.19<br>0<br>15<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 92.0<br>70.3<br>.08<br>0<br>15<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 92.6<br>71.2<br>.06<br>0<br>17<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 91.3<br>70.0<br>.07<br>0<br>16<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 91.4<br>69.5<br>.10<br>0<br>15<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 92.0<br>69.9<br>.07<br>0<br>16<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 92.5<br>70.3<br>.06<br>0<br>16<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 92.8<br>70.5<br>.03<br>0<br>17<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 93.1<br>70.5<br>.04<br>0<br>17<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 93.4<br>70.4<br>.05<br>0<br>17<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 93.1<br>70.8<br>.04<br>0<br>17<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 92.9<br>70.7<br>.08<br>0<br>17<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 92.9<br>70.7<br>.08<br>0<br>17<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 92.5<br>69.9<br>.12<br>0<br>16<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 92.8<br>69.8<br>.06<br>0<br>16<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 92.5<br>69.7<br>.12<br>0<br>16<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 92.8<br>69.8<br>.06<br>0<br>16<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 93.2<br>70.9<br>.15<br>0<br>17<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 93.6<br>71.8<br>.06<br>0<br>18<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 93.4<br>71.4<br>.06<br>0<br>17<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 93.3<br>70.9<br>.05<br>0<br>17<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 93.1<br>70.7<br>.14<br>0<br>17<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 92.8<br>71.0<br>.10<br>0<br>17<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 92.4<br>70.1<br>.17<br>0<br>16<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 92.4<br>70.1<br>.17<br>0<br>16<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 93.7<br>72.0<br>.08<br>0<br>18<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 93.7<br>72.0<br>.08<br>0<br>18<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 93.7<br>71.3<br>.25<br>0<br>18<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 93.4<br>71.0<br>.16<br>0<br>17<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 93.5<br>71.0<br>.08<br>0<br>17<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt | 92.7<br>70.8<br>.06<br>0<br>17<br>Highest Max<br>Lowest Max<br>Lowest Min<br>Highest Min<br>Greatest ppt |
| <b>Actual</b> | 103-1917<br>67-1951<br>57-1951<br>86-1927<br>5-06-1913   | 105-1980<br>72-1924<br>58-1924<br>78-1980<br>1-70-1922   | 105-1980<br>75-1908<br>57-1906<br>79-1953<br>2-97-1947   | 104-1931<br>79-1915<br>57-1924<br>80-1980<br>1-37-1900   | 103-1911<br>77-1958<br>55-1915<br>80-1933<br>3-21-1979   | 105-1953<br>73-1958<br>55-1972<br>80-1953<br>1-84-1929   | 105-1970<br>76-1960<br>57-1952<br>78-1900<br>2-03-1995   | 105-1964<br>70-1905<br>57-1958<br>78-1970<br>1-32-1959   | 106-1964<br>71-1905<br>56-1991<br>80-1933<br>2-14-1989   | 104-1933<br>66-1895<br>56-1905<br>80-1933<br>1-90-1945   | 107-1933<br>67-1995<br>58-1905<br>81-1933<br>2-65-1906   | 107-1954<br>62-1953<br>56-1953<br>82-1933<br>1-80-1926   | 106-1954<br>73-1953<br>56-1975<br>81-1934<br>2-10-1963   | 107-1954<br>80-1926<br>57-1950<br>80-1934<br>1-29-1982   | 108-1936<br>71-1891<br>59-1967<br>82-1936<br>2-30-1921   | 106-1980<br>74-1967<br>61-1901<br>79-1939<br>3-54-1900   | 106-1980<br>80-1950<br>63-1992<br>79-1943<br>1-71-1959   | 108-1936<br>72-1967<br>82-1911<br>81-1936<br>1-53-1893   | 109-1936<br>74-1953<br>63-1898<br>82-1936<br>2-77-1916   | 107-1936<br>77-1944<br>60-1970<br>79-1934<br>1-49-1897   | 107-1939<br>78-1970<br>54-1970<br>80-1981<br>1-47-1950   | 107-1974<br>73-1947<br>57-1970<br>79-1981<br>2-49-1899   | 104-1981<br>77-1989<br>55-1970<br>79-1981<br>3-02-1960   | 106-1943<br>73-1947<br>61-1970<br>79-1993<br>2-92-1975   | 106-1977<br>76-1906<br>58-1911<br>83-1934<br>1-96-1906   | 106-1978<br>75-1959<br>63-1911<br>79-1981<br>0-89-1978   | 105-1986<br>75-1959<br>64-1900<br>78-1939<br>5-60-1981   | 108-1986<br>75-1981<br>64-1900<br>80-1986<br>1-80-1963   | 109-1986<br>76-1892<br>61-1971<br>79-1966<br>2-02-1975   | 108-1985<br>73-1925<br>57-1971<br>80-1986<br>0-71-1933   | 107-1980<br>76-1925<br>53-1971<br>73-1943<br>1-07-1978   |

**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 1948-1992. Temperature extremes are for the period 1905-1993; precipitation extremes are for the period 1948-1993.

TULSA CLIMATE CALENDAR

July 1994

Table with 31 columns (Normal 1-31) and 3 rows (Normal, Actual, Actual). Each cell contains weather data (max, min, ppt, hdd, cdd) and dates. Includes sub-sections for Normal 13-14, Normal 20-21, Normal 26-27, and Normal 29-30.

JULY AVERAGES

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