

OKLAHOMA

MONTHLY SUMMARY

December 1988

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DECEMBER 1988 OKLAHOMA SUMMARY

1988 ended on an unseasonably warm note, with December temperatures averaging 1 to 3.5 degrees above normal throughout the State. December 1988 ranks high in the warmest 10 of the last 40 years of record in Oklahoma. The unusual mean temperatures resulted from a large number of warmer than expected December days rather than a few extremely warm events. For instance, 1988 December maximum daily temperatures ranged from 75 to 79 degrees. Record daily December temperatures range from 80 to 89 degrees. As a result, December 1988 was a warm, but not record setting month that is typical of Oklahoma's naturally variable year-to-year climate.

Precipitation during December was notably less than normal in western and north central portions of Oklahoma. The Panhandle of the State received only 13% of its average December precipitation. Wheat farmers in these regions, encouraged by a wet September, have now seen two, and in some cases three, consecutive months of below normal fall and early winter precipitation. Moisture during these months is critical for successful wheat plant growth, development and winter survival. The January Oklahoma Crop-Weather Summary reports that dry weather during December has lowered 1989 wheat prospects. The National Weather Service 30- and 90-day precipitation outlooks for western Oklahoma do not appear to be encouraging. Normal January and below normal January through March precipitation is anticipated for northwestern Oklahoma (see 30- and 90-day outlook).

Colder temperatures and dry air moved into the State late on December 7. An upper level storm system over the southwest helped to trigger central Oklahoma's second snowfall of the season. Snow was confined mostly to a narrow band from southwestern sections into central Oklahoma. A maximum accumulation of 1.5 inches of snow was reported at Vinson, in southwestern Oklahoma. Moderate to heavy rain fell in southeastern counties and light rain fell in northeastern and southwestern sections.

A second storm passed through the State December 11. Snow accumulations were generally less than 1 inch, but did include a 3 inch snowfall at Stroud in central Oklahoma.

On December 20, winds ranging from 30 to 40 mph were reported in Tulsa. These persistent high winds fueled grass fires, knocked down Christmas lights and carried debris through the streets. Numerous other grass fires were reported across the State through the remainder of the month.

A strong winter storm accompanied by freezing rain and snow entered the State on December 27, but hazardous conditions resulting from the storm were largely confined to northeastern portions of Oklahoma. A maximum accumulation of 3 inches of snow was reported at Chelsea and Miami, Oklahoma.

*** NEW SERVICE ***

Beginning January 15, 1989 a 24-hour message service will be available at OCS. An answering machine will be on line outside of normal business hours to receive all incoming calls. Any in-state calls received by the machine will be returned at the earliest possible time by OCS staff. Please leave a brief message with a description of the kind of climatological information you require, as well as your name, phone number and address at which you can be contacted. The answering service will be operated on a trial basis until the end of July 1989. If the response is great enough, it will be considered as a permanent part of our day-to-day client service.

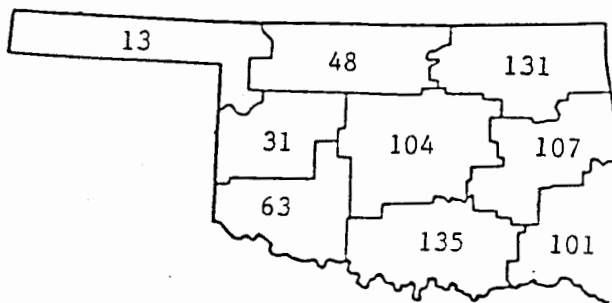
OCS Business Hours

Monday-Friday

8:00 a.m. to 12 noon

1:00 p.m. to 5:00 p.m.

As part of the University of Oklahoma, OCS observes all designated University holidays.



Percent of normal precipitation by CD.
(December 1988)

TABLE OF 1987/1988 COMPARISONS

| STATION | December Temperatures (F) | | December Precipitation (in.) | |
|---------------|------------------------------|------|---------------------------------|-------|
| | 1987 | 1988 | 1987 | 1988 |
| Arnett | 34.8 | 39.2 | 2.460 | .040 |
| Enid | 38.1 | 43.1 | 3.260 | .661 |
| Mutual | 35.1 | 39.5 | 1.700 | .012 |
| Tulsa | 41.8 | 44.1 | 5.452 | 1.843 |
| Elk City | 38.4 | 43.1 | 1.902 | .102 |
| Oklahoma City | 41.3 | 44.9 | 3.753 | 1.394 |
| McAlester | 44.0 | 45.5 | 8.342 | 2.843 |
| Altus Irr Sta | 39.9 | 44.6 | 3.270 | .772 |
| Durant | 43.4 | 43.9 | 6.540 | 2.850 |
| Ada | 43.0 | 44.6 | 5.521 | 2.670 |
| Antlers | 46.8 | 45.7 | 6.880 | 2.740 |

EXTREMES

| Variable | Station | Division | Observation | Date |
|----------------------------------|--------------|----------|-------------|------|
| Minimum temperature (F) | Kenton | 1 | 2 | 29 |
| Maximum temperature (F) | Pauls Valley | 8 | 86 | 26 |
| Maximum 24-hour precipitation | Quapaw | 3 | 2.15" | 22 |

DECEMBER 1988 SUMMARY FOR NORTHWEST DIVISION (CD1)

| NAME | ID | CD | DEV | | | | MIN | | HEAT DEG DAY | DEV FROM NORM | COOL | | DEV FROM NORM | TOT PPT | NUM OBS | DEV | | 24-HR DAY |
|----------------|--------|----|--------------|------------|--------------|-------------|-----|------|--------------------|---------------------|--------|-------|---------------------|------------|------------|-------|-----|--------------|
| | | | MEAN TEMP | NUM OBS | FROM NORM | MAX TEMP | DAY | TEMP | | | DAY | DEG | | | | FROM | DEG | |
| ARNETT | 332 | 1 | 39.2 | 31 | 2.0 | 72. | 3 | 10. | 29 | 800.5 | -61.5 | .0 | .0 | .040 | 31 | -.59 | .02 | 20 |
| BEAVER | 593 | 1 | 37.0 | 31 | .8 | 73. | 3 | 4. | 29 | 869.5 | -23.5 | .0 | .0 | .000 | 31 | -.45 | .00 | 31 |
| BOISE CITY 2 E | 908 | 1 | 38.0 | 31 | 1.2 | 69. | 18 | 7. | 27 | 838.5 | -35.5 | .0 | .0 | .000 | 31 | -.40 | .00 | 31 |
| BUFFALO | 1243 | 1 | 40.7 | 31 | 2.2 | 75. | 13 | 8. | 28 | 752.0 | -70.0 | .0 | .0 | .120 | 31 | -.57 | .12 | 18 |
| FARGO | 3070 | 1 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .010 | 31 | -.64 | .01 | 20 |
| GAGE FAA APT | 3407 | 1 | 40.5 | 31 | 3.7 | 72. | 13 | 7. | 28 | 759.0 | -115.0 | .0 | .0 | .043 | 31 | -.60 | .04 | 20 |
| GATE | 3489 | 1 | 39.8 | 31 | ***** | 75. | 2 | 9. | 27 | 781.5 | ***** | .0 | ***** | .080 | 31 | ***** | .08 | 19 |
| GOODWELL RES | ST3628 | 1 | 37.4 | 31 | .7 | 71. | 3 | 5. | 28 | 856.5 | -20.5 | .0 | .0 | .092 | 31 | -.18 | .09 | 20 |
| GUYMON | 3835 | 1 | 38.9 | 29 | ***** | 71. | 2 | 5. | 28 | 756.0 | ***** | .0 | ***** | .150 | 31 | ***** | .12 | 20 |
| HOOVER | 4298 | 1 | 38.0 | 31 | 1.6 | 71. | 14 | 10. | 29 | 836.0 | -51.0 | .0 | .0 | .030 | 31 | -.36 | .03 | 20 |
| KENTON | 4766 | 1 | 34.4 | 31 | -2.5 | 74. | 14 | 2. | 29 | 950.0 | 79.0 | .0 | .0 | .070 | 31 | -.23 | .04 | 15 |
| LAVERNE | 5045 | 1 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .091 | 31 | -.58 | .09 | 20 |
| OPTIMA LAKE | 6740 | 1 | 37.7 | 24 | ***** | 72. | 3 | 12. | 16 | 655.0 | ***** | .0 | ***** | .060 | 29 | ***** | .06 | 20 |
| REGNIER | 7534 | 1 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .020 | 31 | -.26 | .01 | 15 |
| TURPIN 4 SSE | 9017 | 1 | 36.6 | 31 | ***** | 72. | 3 | 5. | 28 | 880.5 | ***** | .0 | ***** | .070 | 31 | ***** | .07 | 20 |

DECEMBER 1988 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

| NAME | ID | CD | DEV | | | | MIN | | HEAT DEG DAY | DEV FROM NORM | COOL | | DEV FROM NORM | TOT PPT | NUM OBS | DEV | | 24-HR DAY |
|-----------------|------|----|--------------|------------|--------------|-------------|-----|------|--------------------|---------------------|--------|-------|---------------------|------------|------------|-------|------|--------------|
| | | | MEAN TEMP | NUM OBS | FROM NORM | MAX TEMP | DAY | TEMP | | | DAY | DEG | | | | FROM | DEG | |
| ALVA 1 ENE | 194 | 2 | 41.9 | 29 | ***** | 74. | 2 | 13. | 28 | 669.5 | ***** | .0 | ***** | .210 | 31 | -.60 | .11 | 27 |
| VANCE AFB | 302 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .344 | 30 | ***** | .26 | 27 |
| BILLINGS | 755 | 2 | 40.4 | 31 | ***** | 70. | 3 | 15. | 28 | 762.5 | ***** | .0 | ***** | .641 | 31 | -.58 | .35 | 27 |
| BLACKWELL 2E | 818 | 2 | 40.4 | 31 | ***** | 67. | 2 | 14. | 16 | 763.5 | ***** | .0 | ***** | 1.162 | 31 | ***** | 1.10 | 27 |
| BRAMAN | 1075 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .451 | 31 | ***** | .28 | 27 |
| CEDARDALE | 1620 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .021 | 31 | ***** | .01 | 11 |
| CHEROKEE | 1724 | 2 | 42.7 | 31 | 4.4 | 71. | 2 | 14. | 29 | 691.0 | -137.0 | .0 | .0 | .200 | 31 | -.67 | .20 | 20 |
| ENID | 2912 | 2 | 43.3 | 31 | 4.0 | 69. | 2 | 18. | 30 | 672.5 | -124.5 | .0 | .0 | .661 | 31 | -.37 | .51 | 27 |
| FT SUPPLY DAM | 3304 | 2 | 38.9 | 31 | .8 | 73. | 14 | 7. | 29 | 809.0 | -25.0 | .0 | .0 | .030 | 31 | -.59 | .03 | 20 |
| FREEDOM | 3358 | 2 | 40.0 | 31 | ***** | 74. | 13 | 7. | 29 | 775.0 | ***** | .0 | ***** | .001 | 31 | ***** | .00 | 27 |
| GREAT SALT PLNS | 3740 | 2 | 41.0 | 31 | ***** | 72. | 3 | 16. | 16 | 743.0 | ***** | .0 | ***** | .240 | 22 | ***** | .14 | 27 |
| HARDY | 3909 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .823 | 30 | ***** | .52 | 26 |
| HELENA 1 SSE | 4019 | 2 | 38.5 | 29 | ***** | 71. | 3 | 12. | 29 | 767.5 | ***** | .0 | ***** | .222 | 29 | ***** | .12 | 27 |
| JEFFERSON | 4573 | 2 | 41.5 | 31 | 3.2 | 72. | 2 | 12. | 28 | 728.5 | -99.5 | .0 | .0 | .471 | 31 | -.56 | .20 | 26 |
| LAMONT | 5013 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.351 | 31 | ***** | .91 | 27 |
| MEDFORD | 5768 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .331 | 31 | ***** | .22 | 26 |
| MORRISON | 6065 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .832 | 31 | ***** | .58 | 27 |
| MUTUAL | 6139 | 2 | 39.5 | 31 | 1.7 | 72. | 3 | 12. | 29 | 791.0 | -52.0 | .0 | .0 | .012 | 31 | -.65 | .01 | 11 |
| NEWKIRK | 6278 | 2 | 41.8 | 31 | 4.2 | 67. | 2 | 16. | 16 | 719.5 | -129.5 | .0 | .0 | .382 | 31 | -.84 | .20 | 27 |
| ORIENTIA | 6751 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .230 | 31 | ***** | .11 | 27 |
| PERRY | 7012 | 2 | 44.3 | 31 | 3.9 | 71. | 2 | 17. | 16 | 643.0 | -120.0 | .0 | .0 | .781 | 31 | -.42 | .45 | 27 |
| PONCA CITY FAA | 7201 | 2 | 42.3 | 31 | 5.6 | 70. | 2 | 18. | 16 | 703.5 | -173.5 | .0 | .0 | .944 | 30 | ***** | .66 | 27 |
| RED ROCK 1 NNE | 7505 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .420 | 31 | -.87 | .37 | 27 |
| RENFROW | 7556 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .421 | 31 | -.57 | .26 | 27 |
| WAYNOKA | 9404 | 2 | 40.7 | 31 | 2.1 | 74. | 2 | 11. | 16 | 754.0 | -64.0 | .0 | .0 | .150 | 31 | -.62 | .15 | 7 |
| WOODWARD | 9760 | 2 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .023 | 30 | ***** | .02 | 20 |

DECEMBER 1988 SUMMARY FOR NORTHEAST DIVISION (CD3)

| NAME | ID CD | DEV | | | | MIN | DAY | DAY | HEAT DEG DAY | DEV FROM NORM | COOL DEG DAY | DEV FROM NORM | TOT PPT | NUM OBS | DEV FROM NORM | 24-HR MAX | DAY |
|-----------------|--------|-----------|---------|-----------|----------|-----|------|-----|--------------|---------------|--------------|---------------|---------|---------|---------------|-----------|-----|
| | | MEAN TEMP | NUM OBS | FROM NORM | MAX TEMP | | | | | | | | | | | | |
| BARNSDALL | 535 3 | 41.0 | 31 | ***** | 71. | 3 | 14. | 16 | 742.5 | ***** | .0 | ***** | .872 | 29 | ***** | .51 | 23 |
| BARTLESVILLE ZW | 548 3 | 41.5 | 31 | 2.5 | 72. | 3 | 14. | 16 | 728.0 | -78.0 | .0 | .0 | 1.590 | 31 | .11 | .61 | 27 |
| BIXBY | 782 3 | 40.6 | 31 | .3 | 73. | 4 | 17. | 17 | 755.0 | -11.0 | .0 | .0 | 2.160 | 31 | .33 | 1.16 | 27 |
| BURBANK | 1256 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.032 | 31 | ***** | .71 | 27 |
| CHELSEA 4 S | 1717 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.090 | 31 | ***** | .82 | 27 |
| CLAREMORE | 1828 3 | 40.4 | 31 | 1.4 | 73. | 5 | 15. | 17 | 762.0 | -44.0 | .0 | .0 | 3.401 | 31 | 1.55 | 1.52 | 23 |
| CLEVELAND 5 WSW | 1902 3 | 43.3 | 26 | ***** | 73. | 3 | 15. | 17 | 564.5 | ***** | .0 | ***** | 1.210 | 31 | ***** | 1.00 | 27 |
| FORAKER | 3250 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .800 | 31 | -.54 | .80 | 27 |
| HOLLOW | 4258 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.360 | 31 | .47 | .65 | 27 |
| HOMINY | 4289 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.951 | 31 | .67 | .88 | 27 |
| HULAH DAM | 4393 3 | 38.7 | 21 | ***** | 71. | 5 | 11. | 16 | 553.0 | ***** | .0 | ***** | 1.270 | 31 | -.02 | .50 | 27 |
| JAY TOWER | 4567 3 | 43.7 | 31 | ***** | 72. | 4 | 16. | 28 | 661.5 | ***** | .0 | ***** | 3.310 | 31 | ***** | 1.72 | 27 |
| KANSAS 1 ESE | 4672 3 | 42.4 | 31 | ***** | 70. | 3 | 14. | 16 | 701.0 | ***** | .0 | ***** | 3.453 | 31 | ***** | 1.40 | 23 |
| KEYSTONE DAM | 4812 3 | 40.3 | 21 | ***** | 71. | 5 | 14. | 16 | 519.0 | ***** | .0 | ***** | 2.301 | 24 | ***** | .80 | 7 |
| LENAPAH | 5118 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.780 | 31 | ***** | .83 | 27 |
| MANNFORD 6 NW | 5522 3 | 43.3 | 31 | ***** | 73. | 3 | 15. | 16 | 674.0 | ***** | .0 | ***** | 1.911 | 31 | ***** | .84 | 27 |
| MARAMEC | 5540 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.161 | 31 | -.07 | .50 | 23 |
| MIAMI | 5855 3 | 40.0 | 31 | .8 | 68. | 4 | 12. | 29 | 775.0 | -25.0 | .0 | .0 | 4.220 | 31 | 2.07 | 1.55 | 27 |
| NOWATA | 6485 3 | 41.5 | 31 | 2.5 | 71. | 3 | 17. | 28 | 730.0 | -76.0 | .0 | .0 | 1.940 | 31 | .14 | .70 | 27 |
| ONETA 1 WNW | 6713 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.331 | 31 | ***** | .83 | 23 |
| PAWHUSKA | 6935 3 | 41.5 | 31 | 2.8 | 70. | 3 | 14. | 16 | 729.0 | -86.0 | .0 | .0 | 1.263 | 31 | -.09 | .66 | 27 |
| PAWHUSKA | 6937 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.191 | 31 | ***** | .47 | 27 |
| PAWNEE | 6940 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .660 | 31 | -.59 | .30 | 27 |
| PRYOR 6 N | 7309 3 | 39.4 | 30 | .0 | 73. | 4 | 14. | 17 | 768.0 | -26.0 | .0 | .0 | 2.541 | 31 | .50 | 1.18 | 23 |
| QUAPAW | 7358 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 4.350 | 31 | 2.34 | 2.15 | 22 |
| RALSTON | 7390 3 | 42.6 | 31 | ***** | 72. | 2 | 15. | 16 | 695.5 | ***** | .0 | ***** | 1.103 | 31 | -.26 | .67 | 27 |
| RAMONA 4 N | 7394 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.790 | 31 | ***** | .86 | 26 |
| SKIATOOK | 8258 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.120 | 31 | .67 | .82 | 23 |
| SPAVINAW | 8380 3 | 43.3 | 28 | ***** | 71. | 4 | 12. | 28 | 609.0 | ***** | .0 | ***** | 2.833 | 29 | ***** | .97 | 27 |
| TULSA WSO APT | 8992 3 | 44.1 | 31 | 4.3 | 73. | 3 | 20. | 16 | 648.0 | -133.0 | .0 | .0 | 1.843 | 31 | .02 | .75 | 27 |
| UPPER SPAVINAW | 9101 3 | 44.2 | 31 | ***** | 70. | 3 | 14. | 29 | 645.5 | ***** | .0 | ***** | 3.482 | 31 | ***** | 1.20 | 27 |
| VINITA 2 N | 9203 3 | 41.5 | 31 | 2.6 | 68. | 3 | 12. | 28 | 729.0 | -80.0 | .0 | .0 | 3.940 | 31 | 1.80 | 1.66 | 23 |
| WAGONER | 9247 3 | 44.3 | 31 | 2.9 | 74. | 3 | 16. | 16 | 641.0 | -91.0 | .0 | .0 | 3.130 | 31 | 1.07 | 1.68 | 23 |
| WANN | 9298 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.790 | 31 | ***** | .85 | 27 |
| WYONONA | 9792 3 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.301 | 31 | ***** | .52 | 26 |

DECEMBER 1988 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

| NAME | ID CD | DEV | | | | MIN | DAY | DAY | HEAT DEG DAY | DEV FROM NORM | COOL DEG DAY | DEV FROM NORM | TOT PPT | NUM OBS | DEV FROM NORM | 24-HR MAX | DAY |
|----------------|--------|-----------|---------|-----------|----------|-----|------|-----|--------------|---------------|--------------|---------------|---------|---------|---------------|-----------|-----|
| | | MEAN TEMP | NUM OBS | FROM NORM | MAX TEMP | | | | | | | | | | | | |
| CANTON DAM | 1445 4 | 41.0 | 21 | ***** | 70. | 5 | 15. | 16 | 503.0 | ***** | .0 | ***** | .302 | 21 | ***** | .20 | 27 |
| CHEYENNE | 1738 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .001 | 31 | ***** | .00 | 11 |
| CLINTON | 1909 4 | 44.6 | 31 | 4.7 | 72. | 2 | 15. | 28 | 633.5 | -144.5 | .0 | .0 | .800 | 31 | -.11 | .30 | 7 |
| COLONY | 2039 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .381 | 31 | ***** | .27 | 27 |
| CORDELL | 2125 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .260 | 31 | -.65 | .12 | 27 |
| ELK CITY 1 E | 2849 4 | 43.1 | 31 | ***** | 69. | 2 | 16. | 28 | 678.5 | ***** | .0 | ***** | .102 | 31 | -.61 | .05 | 8 |
| ERICK 4 E | 2944 4 | 43.0 | 31 | 2.7 | 72. | 2 | 13. | 28 | 683.0 | -83.0 | .0 | .0 | .071 | 31 | -.61 | .07 | 11 |
| GEARY | 3497 4 | 43.3 | 26 | ***** | 72. | 2 | 17. | 28 | 563.0 | ***** | .0 | ***** | .000 | 31 | -1.02 | .00 | 31 |
| HAMMON 1 NNE | 3871 4 | 38.0 | 31 | -1.0 | 72. | 3 | 7. | 28 | 835.5 | 29.5 | .0 | .0 | .000 | 31 | -.71 | .00 | 31 |
| LEEDEY | 5090 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .000 | 31 | -.69 | .00 | 31 |
| MACKLE 4 NNW | 5463 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .000 | 31 | ***** | .00 | 31 |
| MORAVIA 2 NNE | 6035 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .911 | 31 | .11 | .83 | 8 |
| OKEENE | 6629 4 | 43.3 | 31 | 3.0 | 72. | 2 | 16. | 28 | 672.5 | -93.5 | .0 | .0 | .190 | 31 | -.67 | .19 | 27 |
| RETROP | 7565 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .360 | 31 | ***** | .36 | 8 |
| REYDON | 7579 4 | 42.5 | 31 | ***** | 72. | 2 | 9. | 28 | 698.5 | ***** | .0 | ***** | .031 | 31 | -.59 | .03 | 11 |
| SAYRE | 7952 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .001 | 31 | -.60 | .00 | 27 |
| SWEETWATER 2 E | 8652 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .000 | 31 | ***** | .00 | 31 |
| TALOGA | 8708 4 | 41.0 | 31 | 2.3 | 72. | 2 | 8. | 28 | 745.0 | -70.0 | .0 | .0 | .003 | 31 | -.63 | .00 | 24 |
| THOMAS | 8815 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .420 | 31 | ***** | .25 | 27 |
| VICI | 9172 4 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .003 | 31 | ***** | .00 | 27 |
| WATONGA | 9364 4 | 42.8 | 31 | ***** | 71. | 2 | 17. | 28 | 688.0 | ***** | .0 | ***** | .381 | 31 | -.62 | .20 | 27 |
| WEATHERFORD | 9422 4 | 41.6 | 31 | 1.4 | 71. | 3 | 16. | 16 | 726.0 | -43.0 | .0 | .0 | .353 | 31 | -.51 | .35 | 27 |

DECEMBER 1988 SUMMARY FOR CENTRAL DIVISION (CD5)

| NAME | ID | CD | DEV | | | | MIN | | HEAT | DEV | COOL | DEV | TOT | NUM | FROM | MAX | 24-HR | DAY |
|---------------------|------|----|-------|-----|-------|------|-----|------|------|-------|--------|-------|-------|-------|------|-------|-------|-----|
| | | | MEAN | NUM | FROM | MAX | DAY | TEMP | DAY | DEG | FROM | DEG | | | | | | |
| AMBER | 200 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.170 | 31 | ***** | .37 | 27 |
| ARCADIA | 288 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .880 | 31 | ***** | .37 | 27 |
| TINKER AFB | 325 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .953 | 30 | ***** | .57 | 27 |
| BLANCHARD 2 SSW | 830 | 5 | 44.6 | 31 | ***** | 72. | 2 | 17. | 16 | 631.5 | ***** | .0 | ***** | 1.851 | 31 | ***** | .56 | 23 |
| BRISTOW | 1144 | 5 | 43.9 | 31 | 3.1 | 74. | 3 | 16. | 16 | 653.0 | -97.0 | .0 | .0 | 1.401 | 31 | -.19 | .48 | 27 |
| CHANDLER | 1684 | 5 | 44.8 | 30 | 3.3 | 73. | 3 | 16. | 16 | 607.0 | -122.0 | .0 | .0 | 2.471 | 30 | ***** | 1.00 | 27 |
| CHICKASHA EX ST1750 | 5 | 5 | 43.9 | 31 | 2.3 | 74. | 2 | 18. | 28 | 655.0 | -70.0 | .0 | .0 | 1.310 | 31 | .23 | .42 | 7 |
| COX CITY 1 E | 2196 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.070 | 31 | ***** | .70 | 6 |
| CRESCENT | 2242 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .460 | 31 | ***** | .22 | 27 |
| CUSHING | 2318 | 5 | 42.6 | 31 | 3.1 | 73. | 4 | 19. | 17 | 693.5 | -97.5 | .0 | .0 | 1.230 | 31 | -.08 | .85 | 27 |
| EL RENO 1 N | 2818 | 5 | 48.2 | 31 | 8.1 | 71. | 3 | 29. | 27 | 521.0 | -251.0 | .0 | .0 | .320 | 31 | -.71 | .17 | 27 |
| GUTHRIE | 3821 | 5 | 44.8 | 31 | 4.8 | 74. | 2 | 17. | 16 | 625.0 | -150.0 | .0 | .0 | 2.503 | 31 | 1.30 | .90 | 27 |
| HENNESSEY 2 SE | 4055 | 5 | 41.9 | 31 | 2.6 | 70. | 2 | 15. | 16 | 715.5 | -81.5 | .0 | .0 | .290 | 31 | -.70 | .16 | 27 |
| INGALLS | 4489 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .611 | 31 | ***** | .27 | 23 |
| KINGFISHER 2 SE4861 | 5 | 5 | 42.9 | 31 | 3.0 | 72. | 2 | 16. | 28 | 684.0 | -94.0 | .0 | .0 | .330 | 31 | -.80 | .13 | 11 |
| KONAWA | 4915 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.051 | 31 | .19 | .72 | 28 |
| MARSHALL | 5589 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .570 | 31 | -.57 | .57 | 28 |
| MEEKER 4 W | 5779 | 5 | 44.0 | 31 | 3.2 | 72. | 2 | 17. | 16 | 650.0 | -100.0 | .0 | .0 | 1.970 | 31 | .54 | .87 | 23 |
| MULHALL | 6110 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .470 | 31 | ***** | .32 | 27 |
| NORMAN 3 S | 6386 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.781 | 31 | .43 | .62 | 27 |
| OILTON 2 SE | 6616 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.970 | 31 | ***** | .98 | 28 |
| OKEMAH | 6638 | 5 | 44.7 | 31 | 2.7 | 72. | 3 | 19. | 16 | 629.0 | -84.0 | .0 | .0 | 2.760 | 31 | .93 | 1.20 | 27 |
| OKLAHOMA CTY WS6661 | 5 | 5 | 44.9 | 31 | 5.0 | 72. | 2 | 21. | 16 | 623.0 | -155.0 | .0 | .0 | 1.394 | 31 | .19 | .54 | 23 |
| PERKINS | 7003 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .880 | 31 | -.47 | .28 | 27 |
| PIEDMONT | 7068 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .730 | 31 | ***** | .33 | 27 |
| PRAGUE | 7264 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.301 | 31 | .75 | .80 | 22 |
| PURCELL 5 SW | 7327 | 5 | 44.0 | 31 | 3.0 | 73. | 2 | 17. | 28 | 652.5 | -91.5 | .0 | .0 | 2.341 | 31 | .88 | 1.00 | 23 |
| SEMINOLE | 8042 | 5 | 44.9 | 31 | 1.9 | 74. | 4 | 19. | 16 | 622.5 | -59.5 | .0 | .0 | 2.260 | 31 | .48 | .65 | 28 |
| SHAWNEE | 8110 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.090 | 31 | .56 | .96 | 23 |
| STELLA | 8479 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.850 | 31 | ***** | .72 | 23 |
| STILLWATER 2 W | 8501 | 5 | 40.0 | 31 | .2 | 72. | 4 | 14. | 16 | 773.5 | -7.5 | .0 | .0 | .960 | 31 | -.26 | .52 | 27 |
| STROUD 1 N | 8563 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.391 | 31 | ***** | .50 | 27 |
| TECUMSEH | 8751 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.531 | 31 | ***** | .59 | 27 |
| TROUSDALE | 8960 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.020 | 31 | ***** | .40 | 20 |
| UNION CITY 1 SE9086 | 5 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .590 | 31 | -.75 | .45 | 27 |
| WELTY 1 SSE | 9479 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.380 | 31 | ***** | .45 | 23 |
| WEWOKA | 9575 | 5 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.270 | 31 | .49 | 1.16 | 27 |

DECEMBER 1988 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

| NAME | ID CD | DEV | | | | | | | | 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 | MIN DAY | DAY TEMP | DAY | | | | | | | | | | |
| ASHLAND | 364 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 3.190 | 31 | ***** | 1.45 | 28 | |
| BEGGS | 631 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.120 | 31 | ***** | .83 | 27 | |
| BOYNTON | 1027 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.500 | 31 | ***** | .90 | 27 | |
| CALVIN | 1391 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.423 | 31 | .46 | .65 | 27 | |
| CHECOTAH | 1711 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.302 | 31 | .19 | .84 | 23 | |
| DEWAR 2 NE | 2485 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.910 | 31 | .04 | .70 | 31 | |
| DUSTIN | 2690 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.470 | 31 | ***** | 1.04 | 27 | |
| EUFULA | 2993 6 | 45.4 | 31 | ***** | 73. | 3 | 20. | 16 | 606.5 | ***** | .0 | ***** | 2.681 | 31 | .24 | .93 | 28 | |
| HANNA | 3884 6 | 43.8 | 31 | ***** | 73. | 3 | 18. | 16 | 657.0 | ***** | .0 | ***** | 2.931 | 31 | .83 | .97 | 23 | |
| HARTSHORNE | 3946 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.960 | 31 | ***** | .98 | 23 | |
| HASKELL | 3956 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.580 | 31 | .61 | .85 | 23 | |
| HOLDENVILLE | 4235 6 | 44.1 | 31 | 1.2 | 73. | 3 | 17. | 16 | 648.0 | -37.0 | .0 | .0 | 2.050 | 31 | .22 | .80 | 28 | |
| LAKE EUFAULA | 4975 6 | 43.5 | 31 | ***** | 72. | 4 | 21. | 17 | 666.5 | ***** | .0 | ***** | 3.060 | 31 | ***** | .90 | 28 | |
| LYONS 2 N | 5437 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.000 | 31 | -1.00 | .72 | 22 | |
| MCALESTER FAA | 5664 6 | 45.5 | 31 | 3.5 | 72. | 3 | 18. | 28 | 603.5 | -109.5 | .0 | .0 | 2.843 | 31 | .46 | 1.34 | 27 | |
| MCCURTAIN 1 SE | 5693 6 | 45.5 | 31 | ***** | 74. | 3 | 19. | 29 | 603.5 | ***** | .0 | ***** | 2.964 | 31 | .32 | 1.01 | 28 | |
| MUSKOGEE | 6130 6 | 44.2 | 31 | 2.5 | 73. | 3 | 17. | 28 | 646.0 | -76.0 | .0 | .0 | 2.430 | 31 | .19 | 1.12 | 27 | |
| OKMULGEE W W | 6670 6 | 42.7 | 31 | .8 | 73. | 3 | 17. | 16 | 691.0 | -25.0 | .0 | .0 | 2.961 | 31 | .91 | 1.32 | 28 | |
| OKTAHA 2 NE | 6678 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.851 | 31 | ***** | .92 | 23 | |
| QUINTON | 7372 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.401 | 31 | .04 | .95 | 27 | |
| SALLISAW 2 NE | 7862 6 | 42.3 | 31 | .1 | 72. | 3 | 19. | 28 | 703.0 | -4.0 | .0 | .0 | 2.002 | 31 | -.47 | .65 | 23 | |
| SCIPIO | 7979 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.490 | 31 | ***** | .80 | 23 | |
| SCRAPER | 7993 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.310 | 31 | ***** | .84 | 28 | |
| SHORT | 8170 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.091 | 31 | ***** | .80 | 23 | |
| STILLWELL 1 NE | 8506 6 | 42.1 | 31 | ***** | 70. | 3 | 14. | 16 | 708.5 | ***** | .0 | ***** | 2.472 | 31 | -.24 | 1.11 | 28 | |
| TAHLEQUAH | 8677 6 | 42.8 | 31 | 2.0 | 71. | 3 | 9. | 28 | 689.5 | -60.5 | .0 | .0 | 1.731 | 31 | -.73 | .79 | 28 | |
| WEBBERS FALLS | 9445 6 | 42.0 | 31 | 1.6 | 75. | 4 | 14. | 28 | 714.0 | -49.0 | .0 | .0 | 2.390 | 31 | .10 | .81 | 28 | |
| WESTVILLE | 9523 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.350 | 31 | ***** | .97 | 23 | |
| WETUMKA 3 NE | 9571 6 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.542 | 31 | .65 | .81 | 28 | |

DECEMBER 1988 SUMMARY FOR SOUTHWEST DIVISION (CD7)

| NAME | ID CD | DEV | | | | | | | | 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 | MIN DAY | DAY TEMP | DAY | | | | | | | | | | |
| ALTUS IRR STA | 179 7 | 44.6 | 31 | 1.8 | 73. | 2 | 13. | 28 | 633.5 | -54.5 | .0 | .0 | .772 | 31 | -.10 | .36 | 8 | |
| ALTUS DAM | 184 7 | 43.0 | 31 | ***** | 72. | 3 | 13. | 28 | 683.0 | ***** | .0 | ***** | .441 | 31 | -.41 | .17 | 11 | |
| ANADARKO | 224 7 | 43.1 | 28 | ***** | 73. | 2 | 14. | 16 | 617.0 | ***** | 3.5 | ***** | .900 | 31 | -.29 | .33 | 27 | |
| APACHE | 260 7 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.150 | 31 | ***** | .53 | 7 | |
| ALTUS AFB | 447 7 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .163 | 30 | ***** | .10 | 8 | |
| CARNEGIE 2 ENE | 1504 7 | 43.3 | 31 | 2.2 | 72. | 2 | 12. | 29 | 674.0 | -67.0 | .0 | .0 | .180 | 31 | -.88 | .18 | 8 | |
| CHATTANOOGA | 1706 7 | 44.3 | 31 | 1.9 | 74. | 26 | 18. | 28 | 642.0 | -59.0 | .0 | .0 | .761 | 31 | -.32 | .31 | 27 | |
| DUNCAN 12 W | 2668 7 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.232 | 31 | ***** | .54 | 7 | |
| FREDERICK | 3353 7 | 43.9 | 31 | .1 | 75. | 27 | 19. | 28 | 655.5 | -1.5 | .0 | .0 | .930 | 31 | -.09 | .40 | 7 | |
| GRANDFIELD 4 NW | 3709 7 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.500 | 31 | .25 | .43 | 11 | |
| HOBART FAA APT | 4204 7 | 43.3 | 31 | 3.4 | 72. | 2 | 13. | 28 | 674.0 | -104.0 | .0 | .0 | .522 | 31 | -.29 | .34 | 7 | |
| HOLLIS | 4249 7 | 43.4 | 29 | ***** | 71. | 26 | 12. | 29 | 625.0 | ***** | .0 | ***** | .770 | 31 | .04 | .58 | 8 | |
| LAWTON | 5063 7 | 42.9 | 31 | .7 | 71. | 26 | 20. | 27 | 685.5 | -21.5 | .0 | .0 | 1.580 | 31 | .36 | .60 | 10 | |
| FORT SILL | 5068 7 | 42.6 | 31 | ***** | 69. | 26 | 21. | 28 | 694.5 | ***** | .0 | ***** | 1.092 | 31 | -.13 | .38 | 27 | |
| LOOKEBA 2 ENE | 5329 7 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .200 | 31 | ***** | .12 | 27 | |
| MANGUM RES STA | 5509 7 | 45.4 | 31 | 3.5 | 72. | 3 | 25. | 15 | 608.0 | -108.0 | .0 | .0 | .451 | 31 | -.97 | .28 | 8 | |
| RANDLETT 9 E | 7403 7 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .841 | 31 | ***** | .67 | 10 | |
| ROOSEVELT | 7727 7 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .450 | 31 | -.52 | .23 | 11 | |
| SEDAN | 8016 7 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .030 | 31 | ***** | .03 | 7 | |
| SNYDER | 8299 7 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .550 | 31 | -.47 | .30 | 11 | |
| VINSON 3 WNW | 9212 7 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .210 | 31 | -.57 | .19 | 8 | |
| WALTERS | 9278 7 | 45.1 | 31 | 1.6 | 73. | 26 | 20. | 28 | 616.0 | -51.0 | .0 | .0 | 1.140 | 31 | -.28 | .26 | 7 | |
| WICHITA MT WLR | 9629 7 | 42.6 | 31 | 1.4 | 75. | 3 | 11. | 28 | 693.0 | -45.0 | .0 | .0 | .530 | 31 | -.59 | .25 | 8 | |
| WILLOW | 9668 7 | ***** | 0 | ***** | ***** | 0 | **** | 0 | ***** | ***** | ***** | ***** | .420 | 31 | ***** | .35 | 8 | |

DECEMBER 1988 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

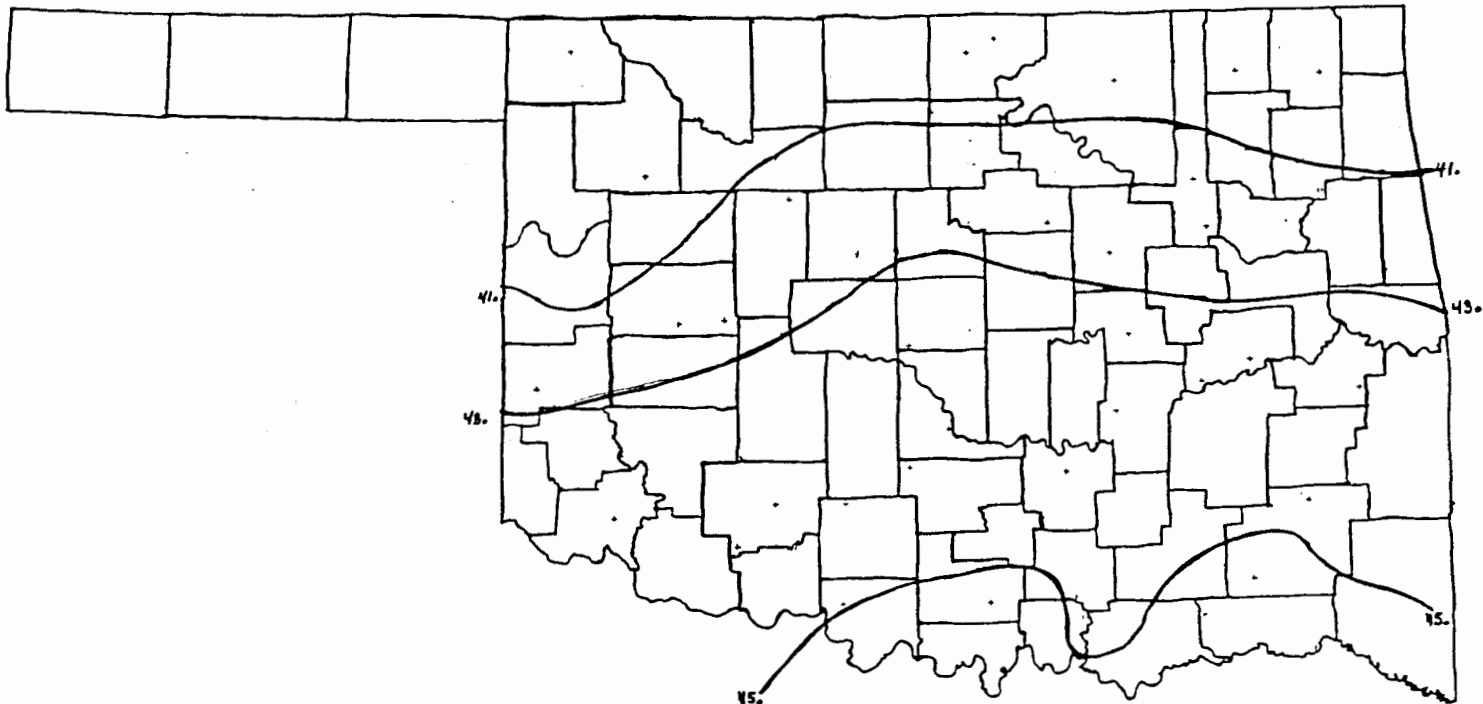
| NAME | ID CD | DEV | | | | | | | HEAT | DEV | COOL | DEV | DEV | | | | |
|------------------|--------|-------|-----|-------|------|-----|------|------|-------|-------|-------|-------|-------|-----|-------|-------|-----|
| | | MEAN | NUM | FROM | MAX | MIN | DEG | FROM | DEG | FROM | TOT | NUM | FROM | MAX | | | |
| | | TEMP | OBS | NORM | TEMP | DAY | TEMP | DAY | DAY | NORM | DAY | NORM | PPT | OBS | NORM | 24-HR | DAY |
| ADA | 17 8 | 44.6 | 31 | 1.1 | 73. | 2 | 19. | 17 | 632.5 | -34.5 | .0 | .0 | 2.670 | 31 | .73 | .75 | 27 |
| ALLEN | 147 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 3.400 | 31 | ***** | .95 | 27 |
| ARDMORE | 292 8 | 46.7 | 30 | .5 | 72. | 2 | 21. | 16 | 548.5 | -34.5 | .0 | .0 | 2.012 | 30 | ***** | .61 | 27 |
| ATOKA DAM | 394 8 | 44.6 | 27 | ***** | 69. | 3 | 24. | 16 | 551.0 | ***** | .0 | ***** | 2.430 | 27 | ***** | .62 | 12 |
| BOKCHITO | 917 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.900 | 31 | ***** | .55 | 28 |
| CENTRAHOMA | 1648 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 3.000 | 31 | ***** | 1.20 | 27 |
| CHICKASAW NRA | 1745 8 | 42.6 | 31 | ***** | 73. | 3 | 18. | 28 | 693.5 | ***** | .0 | ***** | 2.770 | 31 | ***** | .93 | 7 |
| COLEMAN | 2011 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 3.070 | 31 | ***** | .55 | 28 |
| COMANCHE | 2054 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.952 | 31 | ***** | 2.10 | 7 |
| DAISY 4 ENE | 2354 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.934 | 31 | .27 | .72 | 28 |
| DUNCAN | 2660 8 | 43.5 | 31 | -.2 | 71. | 27 | 19. | 28 | 667.0 | 7.0 | .0 | .0 | 1.652 | 31 | .30 | .78 | 7 |
| DURANT USDA | 2678 8 | 43.9 | 31 | ***** | 72. | 3 | 21. | 29 | 654.0 | ***** | .0 | ***** | 2.850 | 31 | .67 | .76 | 28 |
| ELMORE CITY | 2872 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.022 | 31 | ***** | .85 | 7 |
| FARRIS 3 WNW | 3083 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 3.000 | 31 | ***** | .69 | 23 |
| GRADY | 3688 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.351 | 31 | ***** | .37 | 8 |
| HEALDTON | 4001 8 | 43.3 | 28 | ***** | 72. | 2 | 19. | 29 | 606.5 | ***** | .0 | ***** | 2.630 | 31 | 1.02 | .74 | 23 |
| HENNEPIN | 4052 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.622 | 31 | ***** | 1.10 | 6 |
| KEITCHUM RANCH | 4780 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.780 | 31 | ***** | .95 | 7 |
| KINGSTON | 4865 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.840 | 31 | .83 | .85 | 12 |
| LEHIGH | 5108 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 3.144 | 31 | ***** | 1.04 | 28 |
| LINDSAY 2 W | 5216 8 | 44.1 | 31 | ***** | 71. | 2 | 19. | 16 | 648.0 | ***** | .0 | ***** | 2.130 | 31 | .66 | .95 | 7 |
| LOCO 6 SE | 5247 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.690 | 31 | ***** | .93 | 11 |
| MADILL | 5468 8 | 46.3 | 31 | 1.5 | 73. | 2 | 22. | 29 | 579.5 | -46.5 | .0 | .0 | 2.750 | 31 | .78 | .80 | 23 |
| MARIETTA | 5563 8 | 46.6 | 31 | 1.8 | 73. | 2 | 22. | 28 | 569.0 | -57.0 | .0 | .0 | 2.703 | 31 | 1.00 | .78 | 11 |
| MARLOW 1 WSW | 5581 8 | 44.5 | 31 | ***** | 72. | 2 | 16. | 28 | 636.0 | ***** | .0 | ***** | 2.180 | 31 | .82 | .82 | 7 |
| MC GEE CREEK DAM | 5713 8 | 44.7 | 31 | ***** | 70. | 4 | 23. | 16 | 628.5 | ***** | .0 | ***** | 3.030 | 31 | ***** | .70 | 23 |
| OSWALT | 6787 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.050 | 31 | ***** | 1.05 | 24 |
| PAULS VALLEY | 6926 8 | 45.9 | 26 | ***** | 86. | 26 | 18. | 16 | 499.0 | ***** | 3.0 | ***** | 1.660 | 31 | -.05 | .65 | 23 |
| PONTOTOC | 7214 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.200 | 31 | .33 | 1.30 | 22 |
| TISHOMINGO NWLR | 8884 8 | 44.1 | 31 | ***** | 73. | 2 | 19. | 16 | 647.0 | ***** | .0 | ***** | 2.750 | 31 | .67 | .68 | 23 |
| TUSSY | 9032 8 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.380 | 31 | ***** | .79 | 7 |
| WAURIKA | 9395 8 | 46.2 | 31 | 1.6 | 74. | 26 | 18. | 27 | 583.5 | -48.5 | .5 | .5 | 1.390 | 31 | -.09 | .46 | 11 |
| WAURIKA DAM | 9399 8 | 43.8 | 22 | ***** | 73. | 27 | 21. | 28 | 466.5 | ***** | .0 | ***** | 1.600 | 22 | ***** | .74 | 12 |

DECEMBER 1988 SUMMARY FOR SOUTHEAST DIVISION (CD9)

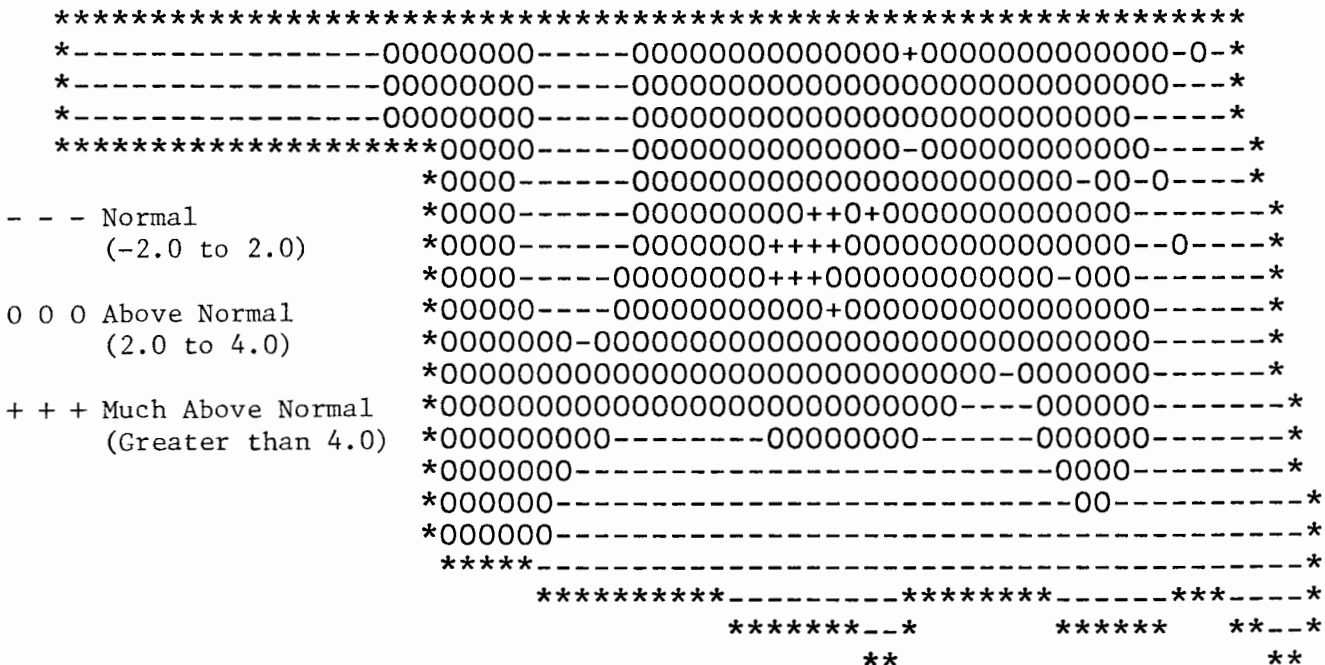
| NAME | ID CD | DEV | | | | | | | HEAT | DEV | COOL | DEV | DEV | | | | |
|----------------|--------|-------|-----|-------|------|-----|------|------|-------|-------|-------|-------|-------|-----|-------|-------|-----|
| | | MEAN | NUM | FROM | MAX | MIN | DEG | FROM | DEG | FROM | TOT | NUM | FROM | MAX | | | |
| | | TEMP | OBS | NORM | TEMP | DAY | TEMP | DAY | DAY | NORM | DAY | NORM | PPT | OBS | NORM | 24-HR | DAY |
| ANTLERS | 256 9 | 45.7 | 31 | 2.0 | 71. | 3 | 21. | 18 | 597.5 | -62.5 | .0 | .0 | 2.740 | 31 | -.28 | 1.15 | 27 |
| BATTLEST 1 SSW | 567 9 | 43.6 | 31 | ***** | 72. | 3 | 18. | 29 | 664.0 | ***** | .0 | ***** | 4.000 | 31 | ***** | 1.23 | 28 |
| BEAR MT TWR | 584 9 | 45.9 | 31 | ***** | 72. | 3 | 21. | 16 | 591.5 | ***** | .0 | ***** | 3.430 | 31 | -.67 | .65 | 28 |
| BENGAL | 670 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 3.480 | 31 | ***** | 1.32 | 28 |
| BOSWELL 4 NNW | 980 9 | 46.5 | 31 | ***** | 77. | 12 | 21. | 29 | 573.0 | ***** | .0 | ***** | 2.623 | 31 | -.02 | .75 | 28 |
| BROKEN BOW 1 N | 1162 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 1.960 | 31 | -1.86 | .67 | 23 |
| BROKEN BOW DAM | 1168 9 | 44.6 | 31 | ***** | 74. | 4 | 22. | 29 | 632.5 | ***** | .0 | ***** | 2.520 | 31 | ***** | .75 | 28 |
| CARNASAW TWR | 1499 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.190 | 30 | ***** | .62 | 28 |
| CARTER TWR | 1544 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.860 | 31 | -1.05 | .63 | 28 |
| FANSHAWE | 3065 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 4.190 | 31 | 1.25 | 1.25 | 27 |
| HEAVENER 1 SE | 4008 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.610 | 31 | -.61 | 1.50 | 28 |
| HUGO | 4384 9 | 46.6 | 31 | .9 | 69. | 2 | 24. | 16 | 570.5 | -27.5 | .0 | .0 | 3.450 | 31 | .37 | 1.00 | 28 |
| IDABEL | 4451 9 | 44.8 | 31 | -.2 | 70. | 4 | 24. | 30 | 625.0 | 5.0 | .0 | .0 | 2.170 | 31 | -1.30 | .56 | 23 |
| POTEAU W W | 7254 9 | 42.8 | 22 | ***** | 71. | 26 | 17. | 28 | 489.0 | ***** | .0 | ***** | 2.104 | 31 | ***** | .64 | 27 |
| SPIRO | 8416 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.310 | 31 | -.48 | .95 | 28 |
| TUSKAHOMA | 9023 9 | 44.8 | 31 | ***** | 75. | 3 | 17. | 16 | 627.5 | ***** | .0 | ***** | 3.270 | 31 | ***** | 1.29 | 28 |
| VALLIANT 3 W | 9118 9 | ***** | 0 | ***** | **** | 0 | **** | 0 | ***** | ***** | ***** | ***** | 2.270 | 31 | -1.33 | .65 | 28 |

DECEMBER 1988 CLIMATE DIVISION SUMMARY

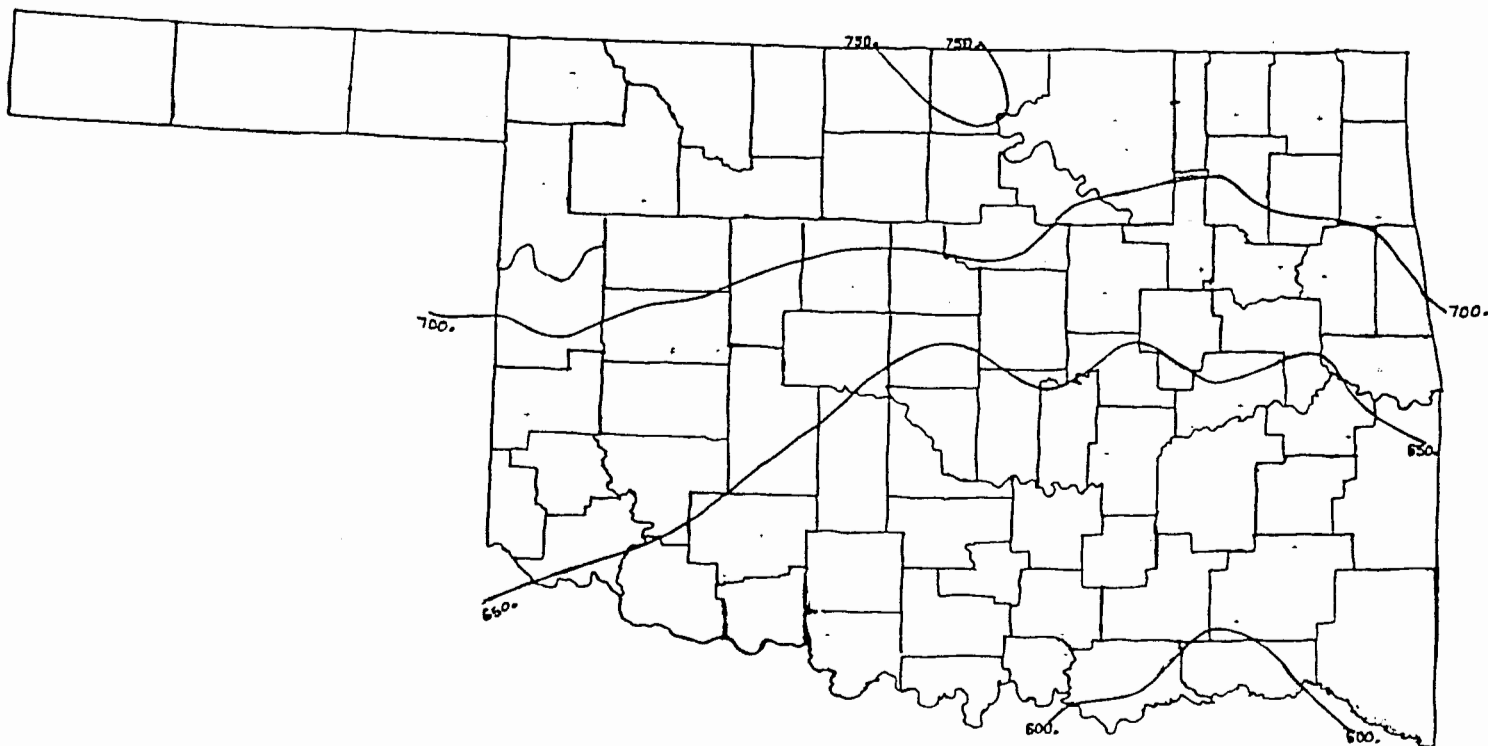
| CLIMATE | MEAN | NUM | DEV | | MIN | HEAT | | DEV | COOL | | DEV | DEV | | 24-HR | DAY | |
|---------|------|-----|------|------|-----|--------|------|--------|--------|------|------|------|-----|-------|------|----|
| | | | FROM | MAX | | DEGREE | FROM | DEGREE | FROM | TOT | NUM | FROM | MAX | | | |
| DIV | TEMP | STA | NORM | TEMP | DAY | TEMP | DAY | DAYS | NORM | DAYS | NORM | PPT | STA | NORM | MAX | |
| 1 | 38.1 | 10 | 1.2 | 75.0 | 2 | 2.0 | 29 | 832.4 | -37.6 | .0 | .0 | .06 | 14 | -.43 | .12 | 20 |
| 2 | 41.3 | 13 | 3.0 | 74.0 | 2 | 7.0 | 29 | 735.1 | -92.0 | .0 | .0 | .44 | 20 | -.54 | 1.10 | 27 |
| 3 | 42.0 | 16 | 2.7 | 74.0 | 3 | 11.0 | 16 | 711.6 | -86.3 | .0 | .0 | 2.14 | 32 | .46 | 2.15 | 22 |
| 4 | 42.2 | 9 | 2.4 | 72.0 | 2 | 7.0 | 28 | 706.7 | -75.8 | .0 | .0 | .20 | 21 | -.59 | .83 | 8 |
| 5 | 44.0 | 15 | 3.4 | 74.0 | 4 | 14.0 | 16 | 649.1 | -105.6 | .0 | .0 | 1.40 | 35 | .01 | 1.20 | 27 |
| 6 | 43.7 | 12 | 2.0 | 75.0 | 4 | 9.0 | 28 | 661.4 | -60.9 | .0 | .0 | 2.41 | 29 | .20 | 1.45 | 28 |
| 7 | 43.7 | 11 | 1.7 | 75.0 | 3 | 11.0 | 28 | 659.9 | -52.6 | .0 | .0 | .72 | 23 | -.34 | .67 | 10 |
| 8 | 44.8 | 12 | .5 | 86.0 | 26 | 16.0 | 28 | 623.9 | -16.4 | .0 | .0 | 2.42 | 30 | .61 | 2.10 | 7 |
| 9 | 45.3 | 8 | .5 | 77.0 | 12 | 17.0 | 16 | 610.2 | -15.8 | .0 | .0 | 2.87 | 16 | -.50 | 1.50 | 28 |



DECEMBER 1988 AVERAGE MONTHLY TEMPERATURE
(Degrees F)



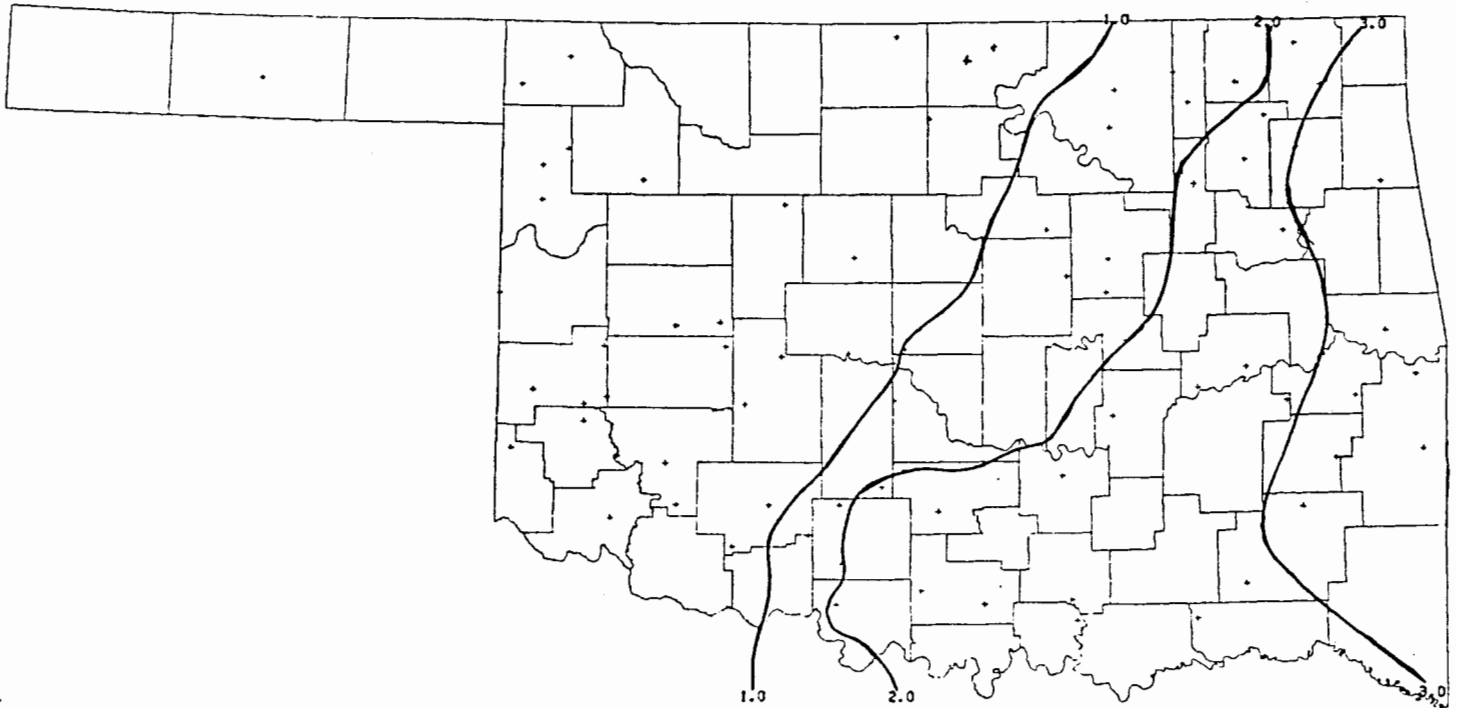
DECEMBER 1988 DEVIATION FROM NORMAL TEMPERATURES
(Degrees F)



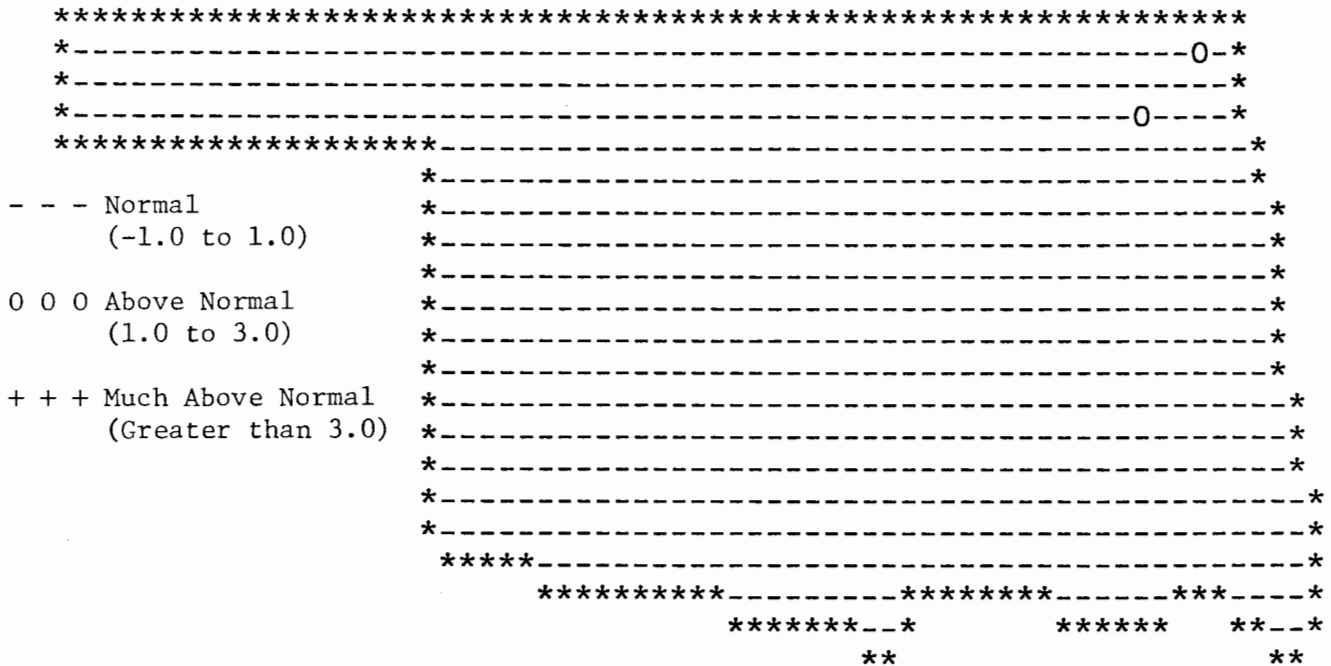
DECEMBER 1988 TOTAL HEATING DEGREE DAYS

```
*****
*000000000000000000000000000000000-----000000000000*
*000000000000000000000000000000000-----000000000000*
*000000000000000000000000000000000-----000000000000*
*****
- - - Below Normal      *000000000000000000000-----0-0000000-00000000*
      (-200 to -100)   *000000000000000000000-----00000000000000000*
                        *000000000000000000000-----0-00000000000000000*
                        *000000000000-000000-0-----000000000000000000*
                        *000000000000000000000-----000000000000000000*
0 0 0 Normal          *0000000000000000000000000000000000000000000000000*
      (-100 to 100)   *0000000000000000000000000000000000000000000000000*
                        *0000000000000000000000000000000000000000000000000*
                        *0000000000000000000000000000000000000000000000000*
+ + + Above Normal    *0000000000000000000000000000000000000000000000000*
      (100 to 200)    *0000000000000000000000000000000000000000000000000*
                        *0000000000000000000000000000000000000000000000000*
                        *0000000000000000000000000000000000000000000000000*
                        *****000000000000000000000000000000000000*
                          *****00000000*****000000*****0000*
                            *****00*         *****   **00*
                              **                 **           **
```

DECEMBER 1988 DEVIATION FROM NORMAL HEATING DEGREE DAYS



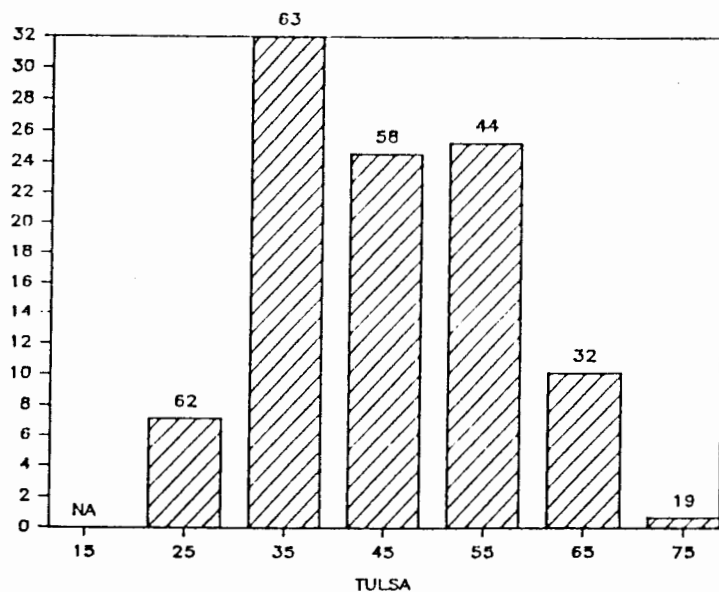
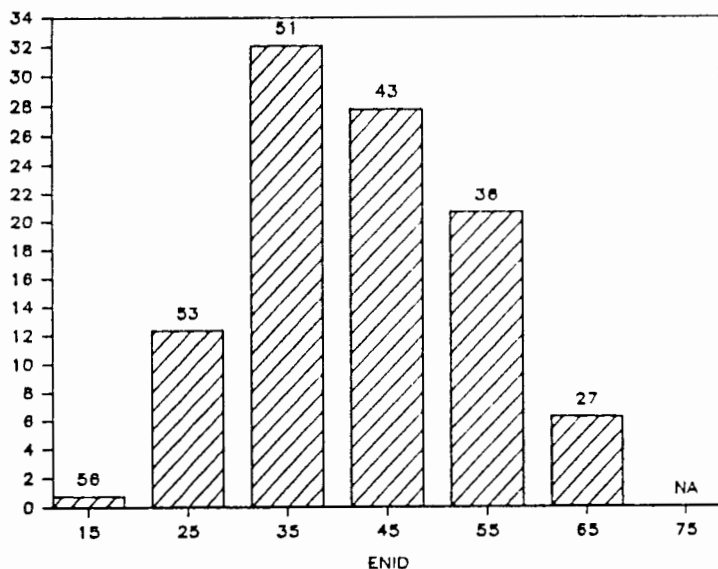
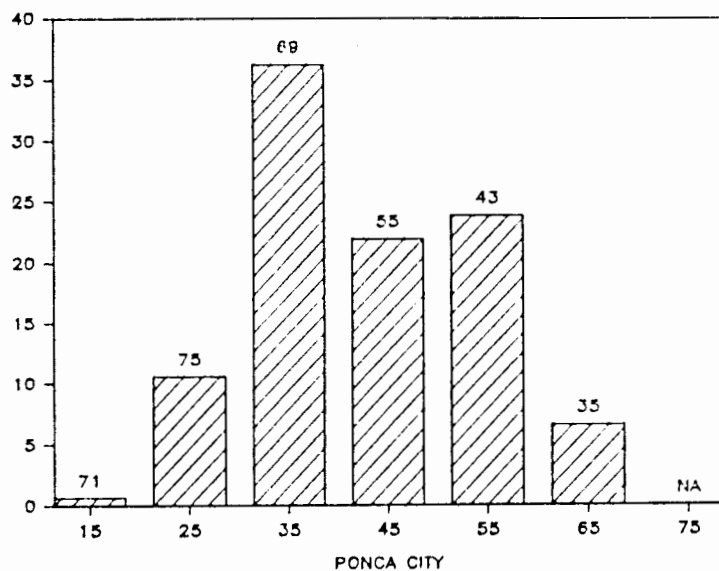
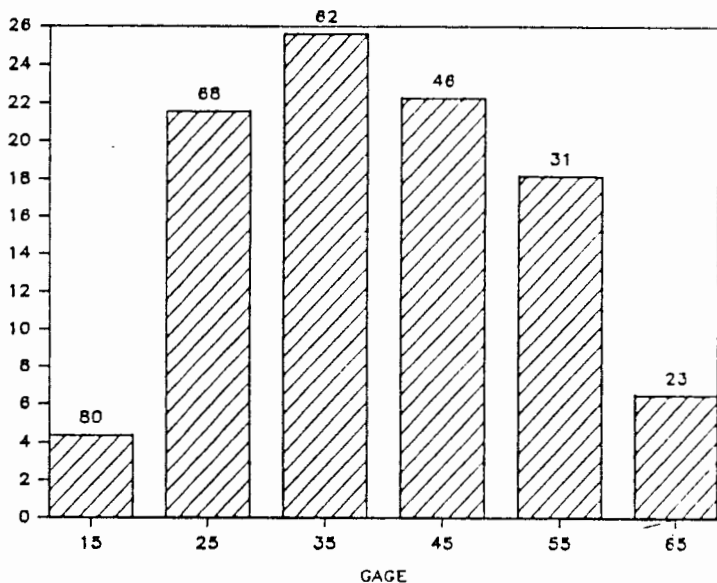
DECEMBER 1988 TOTAL PRECIPITATION
(Inches)

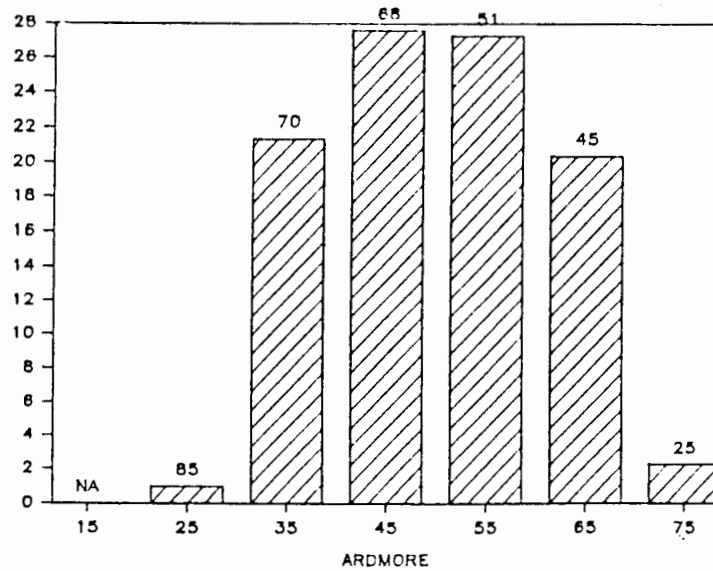
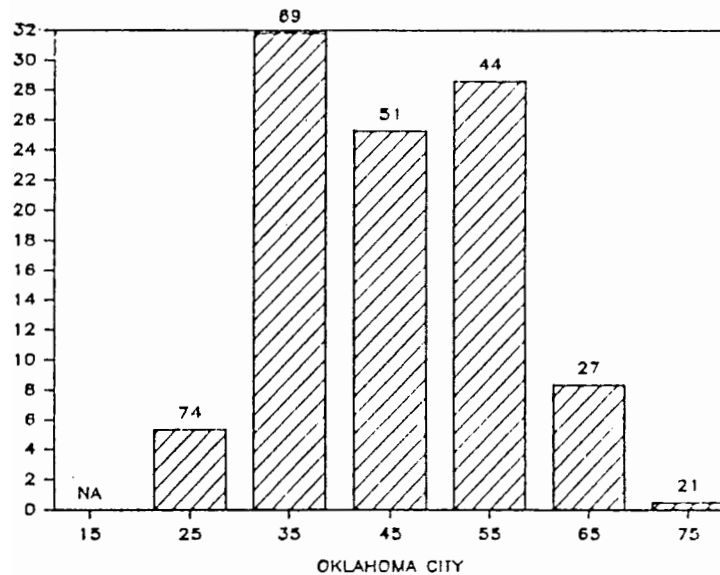
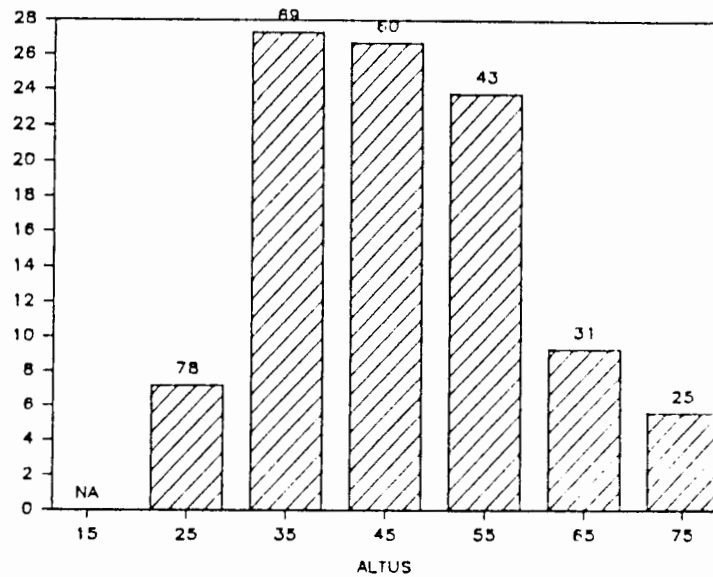
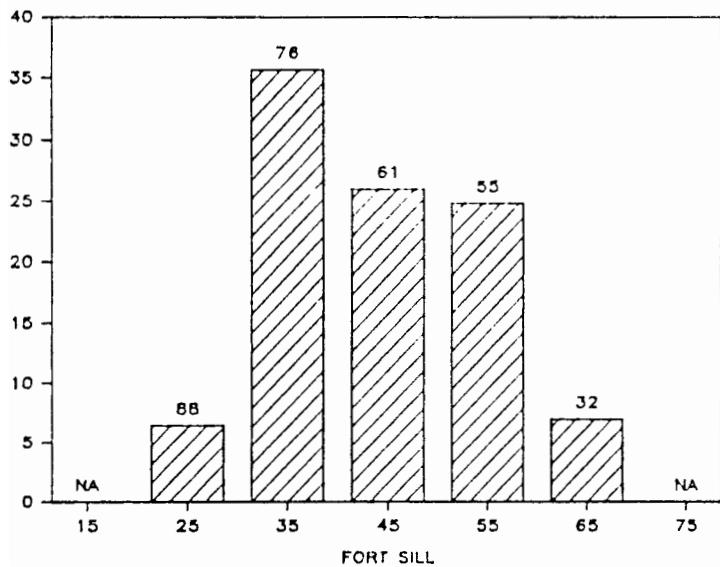
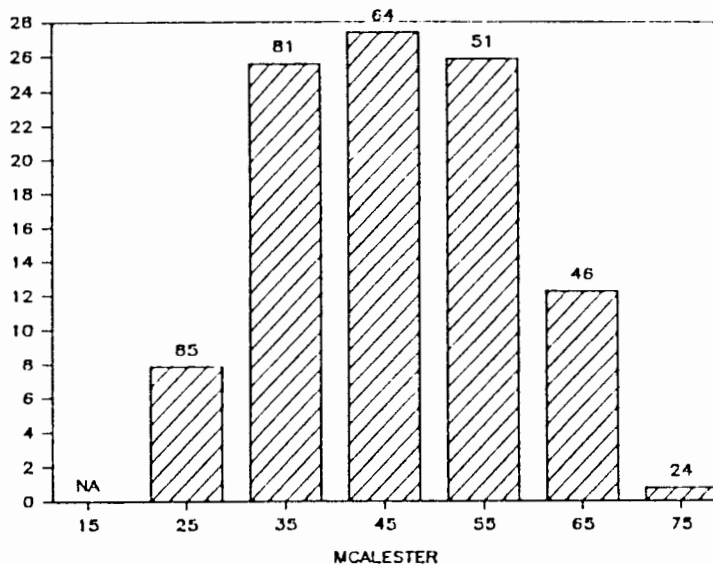
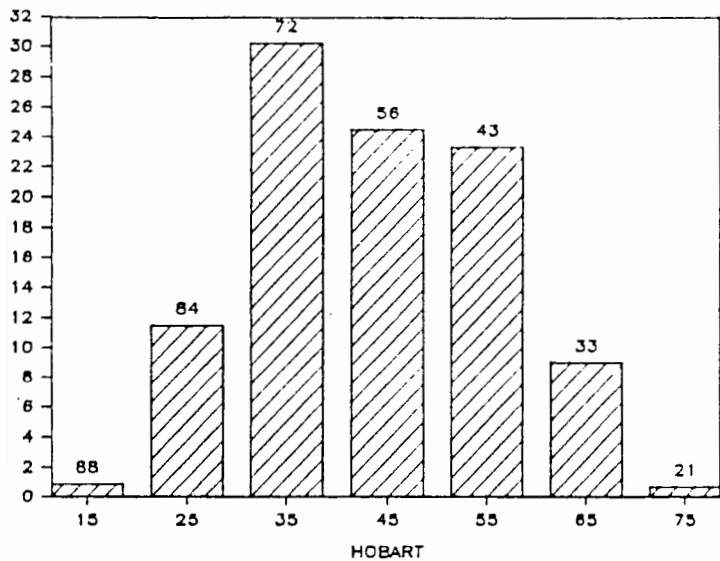


DECEMBER 1988 DEVIATION FROM NORMAL PRECIPITATION
(Inches)

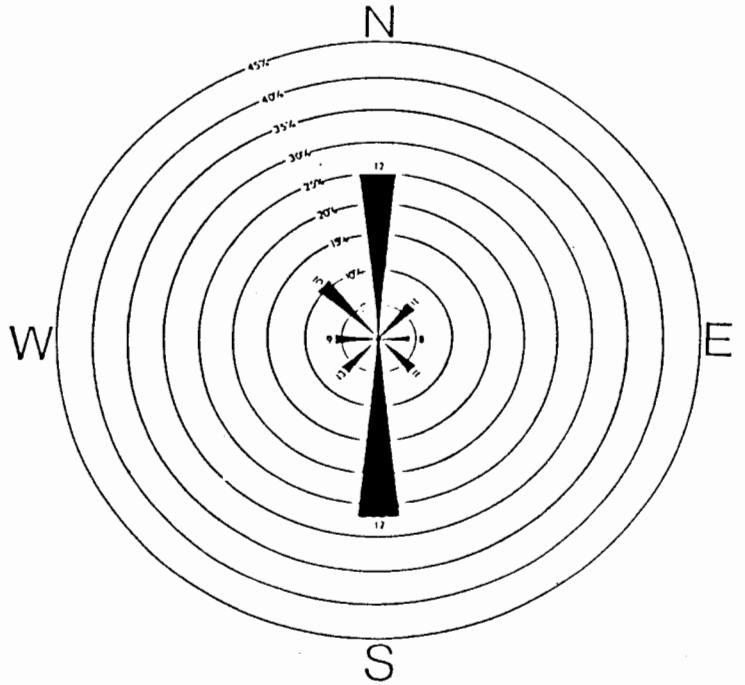
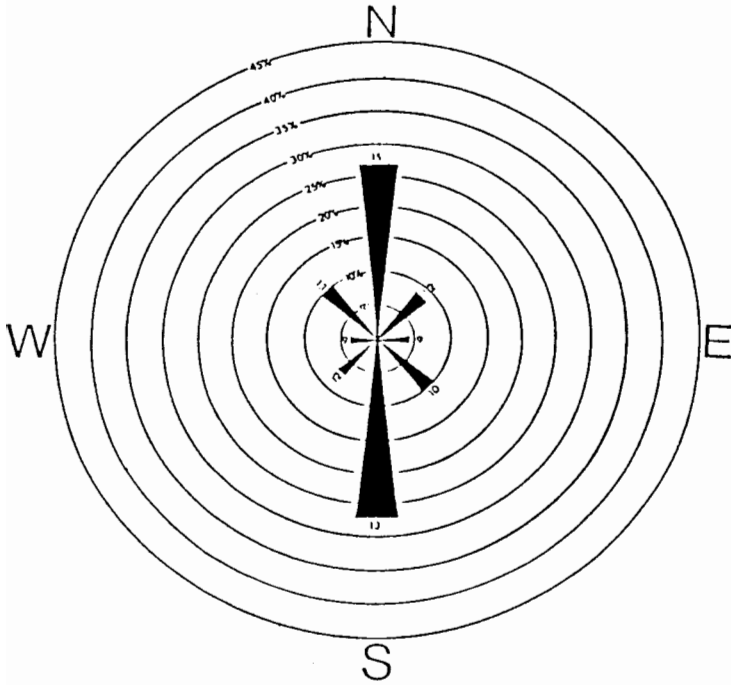
The following graphs present December 1988 hourly temperature and corresponding relative humidity information for 10 Oklahoma stations. The height of each bar represents the percentage of the hours in the month when the temperature was observed within the category given below the axis (45 = 40 to 49, 55 = 50 to 59, etc.). The number above each bar is the median relative humidity associated with the temperature category below it.

Example: Approximately 8% of Oklahoma City's hourly temperature values ranged from 60 to 69 degrees. The median relative humidity associated with this temperature class was 27%.





February wind roses for Oklahoma City and Tulsa for 10-year (1965-1974) mean winds (data adapted from NOAA Airport Climatology Series). Percents represent the percentage for winds coming from a direction. The numbers at the end of the bars indicate the average speed (miles per hour) of winds from that direction.



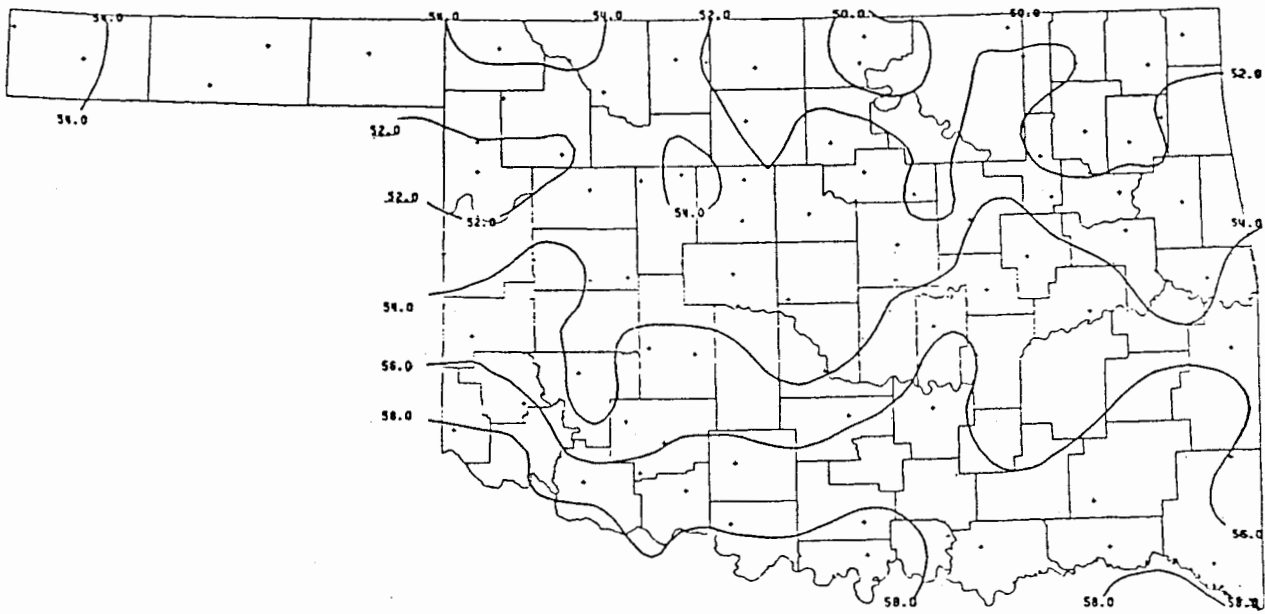
FEBRUARY 1989 SUNRISE AND SUNSET

Oklahoma City

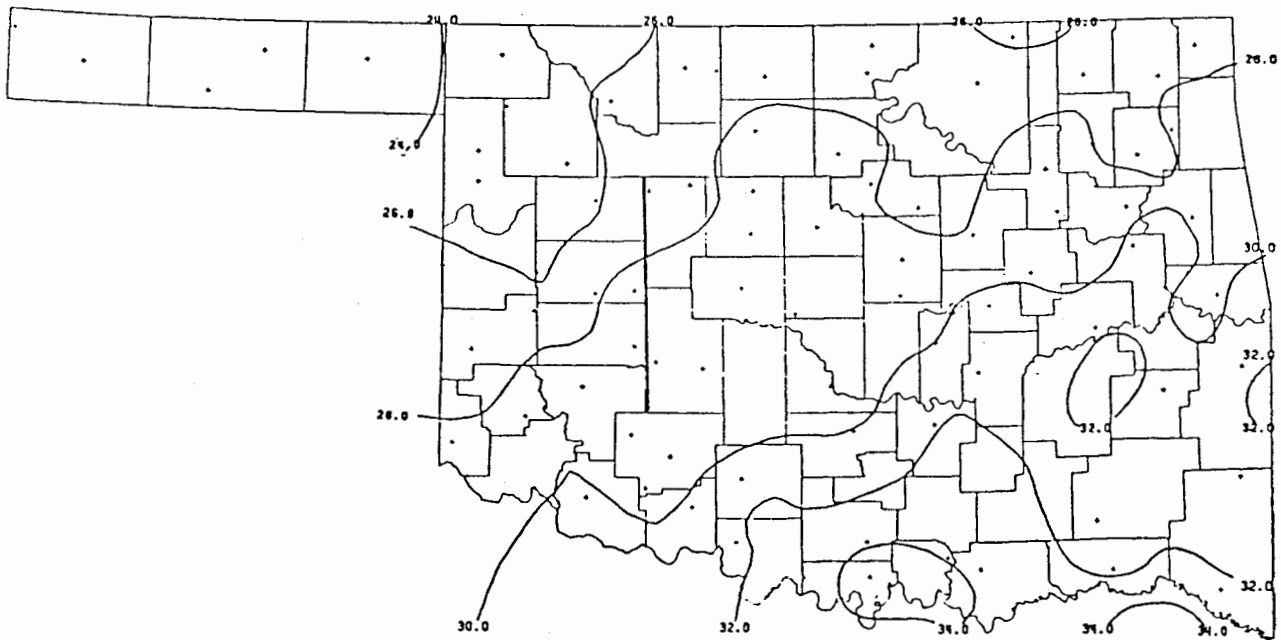
Tulsa

| DATE | SUNRISE | SUNSET | DAYLIGHT |
|--------|---------|-----------|----------|
| 890201 | 7:30AM | 5:58PM LT | 10:28 |
| 890202 | 7:29AM | 5:59PM LT | 10:29 |
| 890203 | 7:28AM | 6: 0PM LT | 10:31 |
| 890204 | 7:28AM | 6: 1PM LT | 10:33 |
| 890205 | 7:27AM | 6: 2PM LT | 10:35 |
| 890206 | 7:26AM | 6: 3PM LT | 10:36 |
| 890207 | 7:25AM | 6: 4PM LT | 10:38 |
| 890208 | 7:24AM | 6: 5PM LT | 10:40 |
| 890209 | 7:24AM | 6: 6PM LT | 10:42 |
| 890210 | 7:23AM | 6: 7PM LT | 10:44 |
| 890211 | 7:22AM | 6: 8PM LT | 10:46 |
| 890212 | 7:21AM | 6: 9PM LT | 10:48 |
| 890213 | 7:20AM | 6:10PM LT | 10:50 |
| 890214 | 7:19AM | 6:11PM LT | 10:52 |
| 890215 | 7:18AM | 6:12PM LT | 10:54 |
| 890216 | 7:17AM | 6:13PM LT | 10:56 |
| 890217 | 7:16AM | 6:13PM LT | 10:58 |
| 890218 | 7:15AM | 6:14PM LT | 10:60 |
| 890219 | 7:14AM | 6:15PM LT | 11: 2 |
| 890220 | 7:13AM | 6:16PM LT | 11: 4 |
| 890221 | 7:11AM | 6:17PM LT | 11: 6 |
| 890222 | 7:10AM | 6:18PM LT | 11: 8 |
| 890223 | 7: 9AM | 6:19PM LT | 11:10 |
| 890224 | 7: 8AM | 6:20PM LT | 11:12 |
| 890225 | 7: 7AM | 6:21PM LT | 11:14 |
| 890226 | 7: 5AM | 6:22PM LT | 11:16 |
| 890227 | 7: 4AM | 6:23PM LT | 11:19 |
| 890228 | 7: 3AM | 6:24PM LT | 11:21 |
| 890229 | 7: 2AM | 6:25PM LT | 11:23 |

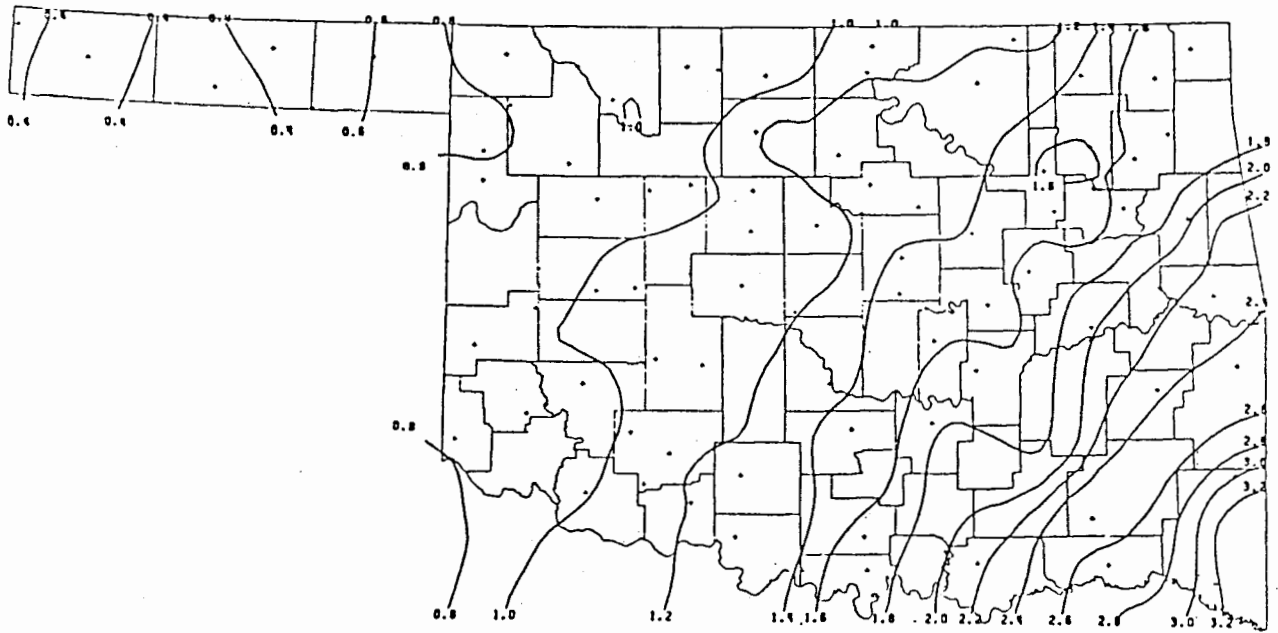
| DATE | SUNRISE | SUNSET | DAYLIGHT |
|--------|---------|-----------|----------|
| 890201 | 7:25AM | 5:49PM LT | 10:25 |
| 890202 | 7:24AM | 5:50PM LT | 10:27 |
| 890203 | 7:23AM | 5:51PM LT | 10:28 |
| 890204 | 7:22AM | 5:52PM LT | 10:30 |
| 890205 | 7:22AM | 5:53PM LT | 10:32 |
| 890206 | 7:21AM | 5:55PM LT | 10:34 |
| 890207 | 7:20AM | 5:56PM LT | 10:36 |
| 890208 | 7:19AM | 5:57PM LT | 10:38 |
| 890209 | 7:18AM | 5:58PM LT | 10:40 |
| 890210 | 7:17AM | 5:59PM LT | 10:41 |
| 890211 | 7:16AM | 6: 0PM LT | 10:43 |
| 890212 | 7:15AM | 6: 1PM LT | 10:45 |
| 890213 | 7:14AM | 6: 2PM LT | 10:47 |
| 890214 | 7:13AM | 6: 3PM LT | 10:49 |
| 890215 | 7:12AM | 6: 4PM LT | 10:51 |
| 890216 | 7:11AM | 6: 5PM LT | 10:54 |
| 890217 | 7:10AM | 6: 6PM LT | 10:56 |
| 890218 | 7: 9AM | 6: 7PM LT | 10:58 |
| 890219 | 7: 8AM | 6: 8PM LT | 10:60 |
| 890220 | 7: 7AM | 6: 9PM LT | 11: 2 |
| 890221 | 7: 5AM | 6:10PM LT | 11: 4 |
| 890222 | 7: 4AM | 6:11PM LT | 11: 6 |
| 890223 | 7: 3AM | 6:12PM LT | 11: 8 |
| 890224 | 7: 2AM | 6:13PM LT | 11:11 |
| 890225 | 7: 1AM | 6:13PM LT | 11:13 |
| 890226 | 6:59AM | 6:14PM LT | 11:15 |
| 890227 | 6:58AM | 6:15PM LT | 11:17 |
| 890228 | 6:57AM | 6:16PM LT | 11:19 |
| 890229 | 6:56AM | 6:17PM LT | 11:22 |



30-YEAR MEAN FEBRUARY DAILY MAXIMUM TEMPERATURE



30-YEAR MEAN FEBRUARY DAILY MINIMUM TEMPERATURE



30-YEAR MEAN FEBRUARY PRECIPITATION

30- AND 90-DAY NATIONAL WEATHER SERVICE OUTLOOK

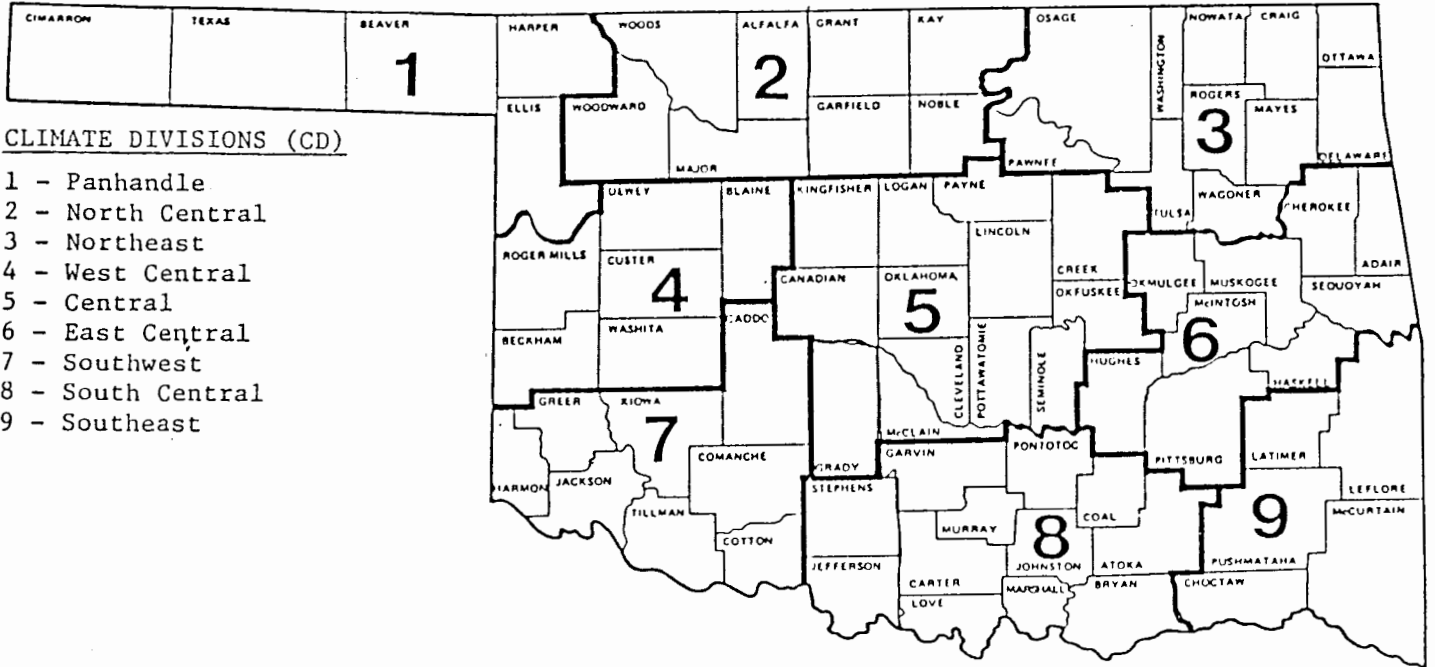
30-DAY OUTLOOK (JANUARY)

Precipitation - Near normal Statewide.
Temperature - Near normal Statewide.

90-DAY OUTLOOK (JANUARY - MARCH)

Precipitation - Below normal in northwestern Oklahoma,
above normal in southeastern Oklahoma and
near normal elsewhere.
Temperature - Above normal in western Oklahoma and
near normal elsewhere.

O K L A H O M A



CLIMATE DIVISIONS (CD)

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

EXPLANATION OF TABLES

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

Station Name:

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

Climate Division: See the figure above.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

EXPLANATION OF MAPS

To give a Statewide perspective, a series of maps is produced each month from the information contained in the station tables. Each map is calculated using between 50 and 200 observations. Only stations with complete monthly records are used. Each observation is put into one of three categories and assigned a plus (+), minus (-), or a dot (.). The minus is the lowest numeric category, the dot is the middle and the plus the highest numeric category. If a map location has no report, a value is estimated. Each map is accompanied by its own legend. The categories will vary from month to month throughout the year. The categories for the deviations from normal maps will always remain constant. This is to facilitate comparisons between months and across years.

FEBRUARY 1989
CLIMATE CALENDAR

The data on this calendar are for Oklahoma City.
Normal values are calculated for the period
1950-1979. Extremes are found for the period
of record (1924-present).

| | | | | | | | | | | | | | |
|--|--|--|--|---|---|--|--|--|--|--|--|---|---|
| Normal 48.8 max 28.1 min pcpn 26 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 46.8 max 26.0 min pcpn 28 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 49.4 max 26.8 min pcpn 27 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 53.5 max 29.3 min pcpn 23 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 51.3 max 30.2 min pcpn 24 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 47.2 max 28.1 min pcpn 27 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 47.7 max 23.4 min pcpn 28 0 CDD | Actual ----- ----- ----- ----- ----- |
| Highest Max 16-1985 Lowest Min -1-1951 Highest Max 59-1986 Lowest Min -93-1938 | Highest Max 74-1986 Lowest Min -1-1951 Highest Max 59-1986 Lowest Min -93-1938 | Highest Max 24-1965 Lowest Min 3-1951 Highest Max 58-1986 Lowest Min -88-1943 | Highest Max 75-1934 Lowest Min 24-1965 Lowest Min 3-1951 Highest Max 58-1986 Lowest Min -88-1943 | Highest Max 78-1934 Lowest Max 12-1582 Lowest Min 8-1972 Highest Max 58-1986 Lowest Min -88-1943 | Highest Max 77-1962 Lowest Max 19-1982 Lowest Min 4-1936 Highest Max 58-1927 Lowest Min -88-1946 | Highest Max 77-1948 Lowest Max 16-1982 Lowest Min 6-1933 Highest Max 57-1938 Lowest Min -88-1946 | Highest Max 77-1948 Lowest Max 16-1982 Lowest Min 4-1936 Highest Max 57-1938 Lowest Min -88-1946 | Highest Max 77-1948 Lowest Max 16-1982 Lowest Min 4-1936 Highest Max 57-1938 Lowest Min -88-1946 | Highest Max 72-1931 Lowest Max 25-1975 Lowest Min 6-1933 Highest Max 54-1931 Lowest Min -60-1979 | Highest Max 72-1931 Lowest Max 25-1975 Lowest Min 6-1933 Highest Max 54-1931 Lowest Min -60-1979 | Highest Max 72-1931 Lowest Max 25-1975 Lowest Min 6-1933 Highest Max 54-1931 Lowest Min -60-1979 | Highest Max 76-1932 Lowest Max 6-1933 Lowest Min -5-1933 Highest Max 47-1931 Lowest Min -84-1980 | Highest Max 76-1932 Lowest Max 6-1933 Lowest Min -5-1933 Highest Max 47-1931 Lowest Min -84-1980 |
| Normal 51.5 max 28.6 min pcpn 25 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 53.7 max 28.7 min pcpn 24 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 56.1 max 28.9 min pcpn 22 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 50.7 max 29.8 min pcpn 25 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 53.4 max 30.2 min pcpn 23 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 53.9 max 30.9 min pcpn 22 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 51.9 max 32.0 min pcpn 23 0 CDD | Actual ----- ----- ----- ----- ----- |
| Highest Max 12-1929 Lowest Max -5-1933 Highest Max 53-1966 Lowest Min -62-1966 | Highest Max 73-1938 Lowest Max 12-1929 Lowest Max -5-1933 Highest Max 53-1966 Lowest Min -62-1966 | Highest Max 84-1932 Lowest Max 17-1929 Lowest Max -3-1979 Highest Max 51-1932 Lowest Min -24-1939 | Highest Max 84-1932 Lowest Max 17-1929 Lowest Max -3-1979 Highest Max 51-1932 Lowest Min -24-1939 | Highest Max 76-1954 Lowest Max 16-1933 Lowest Min 4-1929 Highest Max 52-1932 Lowest Min -50-1933 | Highest Max 82-1962 Lowest Max 25-1988 Lowest Min 0-1981 Highest Max 58-1930 Lowest Min -88-1946 | Highest Max 84-1962 Lowest Max 17-1948 Lowest Min 7-1986 Highest Max 57-1938 Lowest Min -46-1969 | Highest Max 84-1962 Lowest Max 17-1948 Lowest Min 7-1986 Highest Max 57-1938 Lowest Min -46-1969 | Highest Max 87-1962 Lowest Max 30-1933 Lowest Min 12-1936 Highest Max 50-1926 Lowest Min -46-1969 | Highest Max 87-1962 Lowest Max 30-1933 Lowest Min 12-1936 Highest Max 50-1926 Lowest Min -46-1969 | Highest Max 87-1962 Lowest Max 30-1933 Lowest Min 12-1936 Highest Max 50-1926 Lowest Min -46-1969 | Highest Max 81-1954 Lowest Max 21-1936 Lowest Min 1-1936 Highest Max 54-1954 Lowest Min -89-1938 | Highest Max 81-1954 Lowest Max 21-1936 Lowest Min 1-1936 Highest Max 54-1954 Lowest Min -89-1938 | Highest Max 81-1954 Lowest Max 21-1936 Lowest Min 1-1936 Highest Max 54-1954 Lowest Min -89-1938 |
| Normal 50.2 max 29.9 min pcpn 25 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 50.8 max 28.5 min pcpn 25 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 53.0 max 29.0 min pcpn 24 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 52.7 max 30.7 min pcpn 23 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 51.2 max 30.0 min pcpn 24 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 53.3 max 30.3 min pcpn 23 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 49.2 max 28.6 min pcpn 26 0 CDD | Actual ----- ----- ----- ----- ----- |
| Highest Max 25-1936 Lowest Max 9-1936 Highest Max 53-1976 Lowest Min -93-1938 | Highest Max 81-1954 Lowest Max 25-1936 Lowest Max 9-1936 Highest Max 53-1976 Lowest Min -93-1938 | Highest Max 75-1939 Lowest Max 17-1979 Lowest Max -7-1979 Highest Max 48-1976 Lowest Min -88-1946 | Highest Max 75-1939 Lowest Max 17-1979 Lowest Max -7-1979 Highest Max 48-1976 Lowest Min -88-1946 | Highest Max 78-1970 Lowest Max 17-1936 Lowest Max 9-1936 Highest Max 50-1926 Lowest Min -88-1946 | Highest Max 78-1970 Lowest Max 17-1936 Lowest Max 9-1936 Highest Max 50-1926 Lowest Min -88-1946 | Highest Max 78-1986 Lowest Max 24-1936 Lowest Max -1-1978 Highest Max 53-1971 Lowest Min -88-1946 | Highest Max 83-1986 Lowest Max 21-1929 Lowest Max 8-1978 Highest Max 48-1930 Lowest Min -68-1954 | Highest Max 83-1986 Lowest Max 21-1929 Lowest Max 8-1978 Highest Max 48-1930 Lowest Min -68-1954 | Highest Max 80-1976 Lowest Max 26-1929 Lowest Max 12-1939 Highest Max 51-1930 Lowest Min -81-1985 | Highest Max 80-1976 Lowest Max 26-1929 Lowest Max 12-1939 Highest Max 51-1930 Lowest Min -81-1985 | Highest Max 80-1976 Lowest Max 26-1929 Lowest Max 12-1939 Highest Max 51-1930 Lowest Min -81-1985 | Highest Max 84-1981 Lowest Max 28-1938 Lowest Max 9-1939 Highest Max 54-1930 Lowest Min -81-1985 | Highest Max 84-1981 Lowest Max 28-1938 Lowest Max 9-1939 Highest Max 54-1930 Lowest Min -81-1985 |
| Normal 51.6 max 29.5 min pcpn 24 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 52.9 max 31.1 min pcpn 23 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 52.8 max 30.1 min pcpn 23 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 57.0 max 32.8 min pcpn 20 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 57.9 max 32.2 min pcpn 20 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 58.7 max 33.0 min pcpn 19 0 CDD | Actual ----- ----- ----- ----- ----- | Normal 57.3 max 34.0 min pcpn 19 0 CDD | Actual ----- ----- ----- ----- ----- |
| Highest Max 83-1982 Lowest Max 24-1968 Lowest Min 11-1963 Highest Max 56-1949 Lowest Min -93-1985 | Highest Max 83-1982 Lowest Max 24-1968 Lowest Min 11-1963 Highest Max 56-1949 Lowest Min -93-1985 | Highest Max 80-1930 Lowest Max 31-1928 Lowest Max 11-1965 Lowest Min 51-1930 Highest Max -81-1985 | Highest Max 80-1930 Lowest Max 31-1928 Lowest Max 11-1965 Lowest Min 51-1930 Highest Max -81-1985 | Highest Max 81-1936 Lowest Max 19-1960 Lowest Max 7-1965 Lowest Min 58-1930 Highest Max -94-1952 | Highest Max 81-1936 Lowest Max 19-1960 Lowest Max 7-1965 Lowest Min 58-1930 Highest Max -94-1952 | Highest Max 82-1986 Lowest Max 29-1935 Lowest Max 10-1960 Lowest Min 50-1951 Highest Max -74-1936 | Highest Max 82-1986 Lowest Max 29-1935 Lowest Max 10-1960 Lowest Min 50-1951 Highest Max -74-1936 | Highest Max 78-1986 Lowest Max 21-1934 Lowest Max 11-1934 Lowest Min 59-1981 Highest Max -50-1945 | Highest Max 78-1986 Lowest Max 21-1934 Lowest Max 11-1934 Lowest Min 59-1981 Highest Max -50-1945 | Highest Max 81-1976 Lowest Max 25-1962 Lowest Max 13-1934 Lowest Min 61-1981 Highest Max -81-1985 | Highest Max 81-1976 Lowest Max 25-1962 Lowest Max 13-1934 Lowest Min 61-1981 Highest Max -81-1985 | Highest Max 81-1972 Lowest Max 24-1962 Lowest Min 7-1962 Highest Max 53-1932 Lowest Min -88-1987 | Highest Max 81-1972 Lowest Max 24-1962 Lowest Min 7-1962 Highest Max 53-1932 Lowest Min -88-1987 |