The Oklahoma Climatological Survey was established with its own budget and offices in the spring of 1980. The mission of the Survey is to provide a climatological archiving and information service to the State of Oklahoma. Although as many as 160 stations may appear in any one summary, it may not be possible to list every station report received at the Survey as we plan to have the summaries in the mail before the middle of each month. If you would like information about a station that does appear, please feel free to contact the Climate Survey. If you would like to know more about the services we offer or our plans for the future, please let us hear from you. You can help us by contributing to our newspaper clipping file. If you see an article in your local newspaper dealing with some impact of climate on your community, please clip it and send it to us along with the name of the newspaper and the date the article appeared.

OKLAHOMA CLIMATE SUMMARY MAY 1987

Despite a crop-threatening continuation of dry weather into the first half of May, daily rainfalls during the month's last 2 weeks resulted in record and near-record monthly and daily precipitation amounts (see Tables 1 and 2) across much of the State. Two flooding deaths, widespread street flooding, hundreds of evacuations, and further crop damage resulted from this precipitation anomaly. Monthly mean temperatures, moderated slightly by the cloudy, late-month rainy days, still averaged 1.5 degrees above normal in the west, 2.0 degrees in the central, and 3.7 degrees above normal in the east.

The first significant relief from the drought-like weather arrived with a low pressure system. On the 4th and 5th the slow-moving system produced heavy thunderstorms in the Panhandle and eastern one-third of Oklahoma where some stations received more than 2 inches of rain. Marble-size hail was reported in Cherokee and Tulsa Counties on the 4th.

Much drier and warmer than normal conditions prevailed over most of the State from the 7th through the 17th due to a persistent high pressure system which continued to dominate Oklahoma's weather. Scattered light showers did deliver relief to some stressed crops, but conditions in some areas remained too dry for planting row crops.

These dry conditions drastically reversed, however, as atmospheric conditions prepared a several-day vigorous series of thunderstorms. Initially, above normal temperatures and southerly winds provided unstable air and moisture, but little or no precipitation, while setting the stage. Finally, on the 18th, the instability prevailed and isolated thunderstorms developed, producing

quarter-size hail in Grant County and 60 mph winds in Garfield County. The persistent high pressure system began weakening, increasing the instability, and on the 19th numerous thunderstorms occurred. A tornado watch covered 41 Oklahoma counties. The wind uprooted trees in Pottawatomie County and golfball-size hail fell on Lincoln County. The strengthening of a large upper-level low pressure system west of Oklahoma further supported storm development on the 20th. Washita, Canadian, and Oklahoma Counties reported hail. On the 21st, a surface front served as still another trigger in generating hail-producing thunderstorms (see Table 3). Yukon reported 2 inches of hail on the ground with some stones as big as tennis balls. Several stations in central Oklahoma recorded rainfall in excess of 2 inches. On the 22nd the front slowly drifted into Texas after delivering additional rain Statewide and some hail.

For the next several days the fully developed strong upper-level low west of Oklahoma continued to deliver thunderstorm-producing disturbances which passed over the State. On the 26th, a confirmed tornado struck between Texhoma and Goodwell in the Panhandle. Funnel clouds were reported over Kay County, Enid, and Kingfisher. Flash flood warnings went into effect for 7 western Oklahoma counties.

Most Oklahoma stations received their greatest one-day rainfall amounts on the 26th or 27th. Some of these events broke 30-year records (see Table 2). On the 27th, at least one station in each climate division, except Climate Division 1, received over 2 inches of rain, and over 5 inches fell in Climate Divisions 5,7 and 8. Flooding resulted in Blackwell, Lindsay, Lawton, Guthrie, Miami, and other Oklahoma cities. An estimated 1000 Oklahomans evacuated their homes. The Lindsay area appeared hardest hit where at least 55 homes and 35 businesses flooded.

Many cities experienced street flooding. Crop damage also occurred and, according to Anna Belle Wiedemann of the Oklahoma State Agricultural Department, many wheat plants could sustain costly damage and newly planted peanut and cotton seeds may need to be replanted. Damage to crops could be in the millions of dollars.

By the 31st, the upper-level storm system had finally weakened. Surface high pressure began to settle the State's weather.

Table 1: Record and near-record May 1987 rainfall amounts (inches).

			Previous May Record*	
Station	CD	Pcpt May 1987	Pcpt	Year
Buffalo	1	10.31	10.79	1957
Great Salt Plains Dam	2	11.42	11.34	1982
Bixby	3	9.79	10.50	1950
Tulsa	3	10.19	9.80	1957
El Reno	5	15.00	11.89	1949
Konawa	5	13.63	15.10	1957
Webbers Falls	6	9.19	10.18	1949
Roosevelt	7	16.79	14.98	1977

* 1948-1987

Table 2: Selected Oklahoma record 1-day rainfall occurrences for May (inches).

		May 1987		Previous May Record	
Station	CD	Amount	Day	Amount	Date
Great Salt Plains Dam	2	4.02	5	3.76	5/17/82
Burbank	3	4.56	27	3.38	5/21/77
Bixby	3	3.30	28	3.30	5/27/61
Kansas	3	4.41	28	2.71	5/6/60
Blanchard	5	7.65	28	4.01	5/23/75
Cox City	5	7.10	26	3.50	5/16/82
El Reno	5	5.18	28	4.19	5/21/77
Purcell	5	5.74	28	5.36	5/18/77
Roosevelt	7	6.42	23	3.75	5/16/80
Snyder	7	7.72	27	4.00	5/3/78

Table 3: Selected hail reports of 5/21/87.

Size	City	County
Lemon	Guthrie	Logan
Tennis ball	Yukon	Canadian
1 1/2"	Meridian	Logan
Golfball	Oklahoma City	Canadian
Golfball	Seward	Logan
Golfball	Lookeba	Caddo
Golfball		Lincoln
Nickel	Rocky	Washita
Pea	Miami	Ottawa

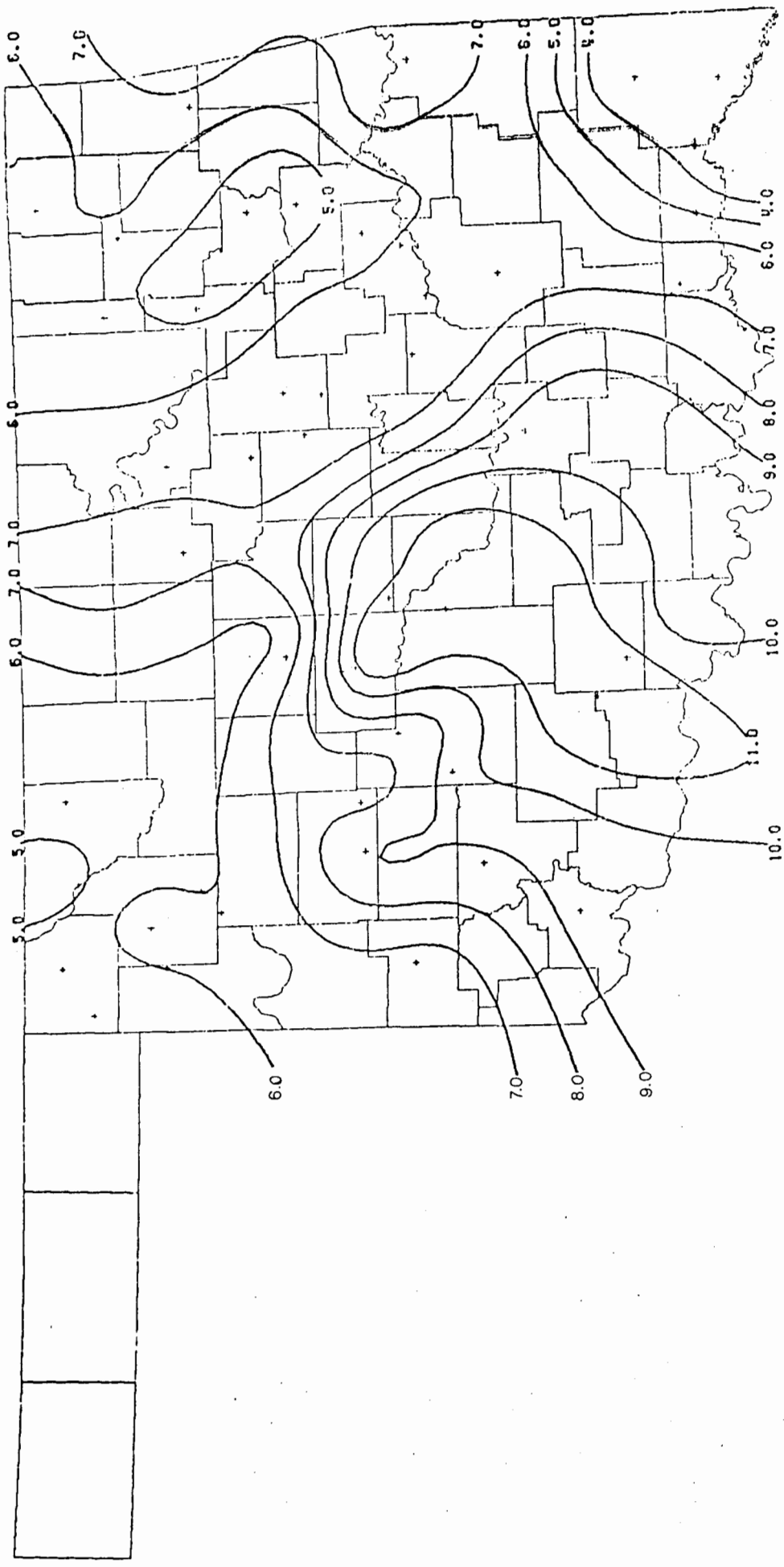


Figure 1: Total rainfall amounts bewteen 7 a.m. May 21st and 7 a.m. May 29th for selected Oklahoma stations.

TABLE OF MAY 1986/1987 COMPARISONS

Station	May Temperatures (F) 1986	1987	May Precipitation (in.) 1986	1987
Goodwell	63.7	63.4	2.292	6.262
Enid	69.0	72.5	4.421	10.280
Mutual	66.6	68.2	4.030	6.700
Tulsa	69.4	74.8	7.251	10.191
Elk City	68.4	68.6	3.936	9.081
Oklahoma City	69.4	73.1	7.064	11.595
McAlester	69.3	73.4	6.042	8.211
Altus Irr. Sta.	71.5	73.5	5.351	10.000
Durant	69.8	*	5.600	*
Ada	69.2	72.5	6.824	10.272
Antlers	70.1	73.8	7.340	7.460

* Indicates missing data.

MAY EXTREMES

Variable	Station	Division	Observation	Date
Mimimum temperature (F)	Boise City	1	39	4
Maximum temperature (F)	Blackwell	2	98	18
	GSP Dam	2	98	18
	Reydon	4	98	18
	Guthrie	5	98	18
Maximum 24-hour precipitation	Walters	7	11.64"	28

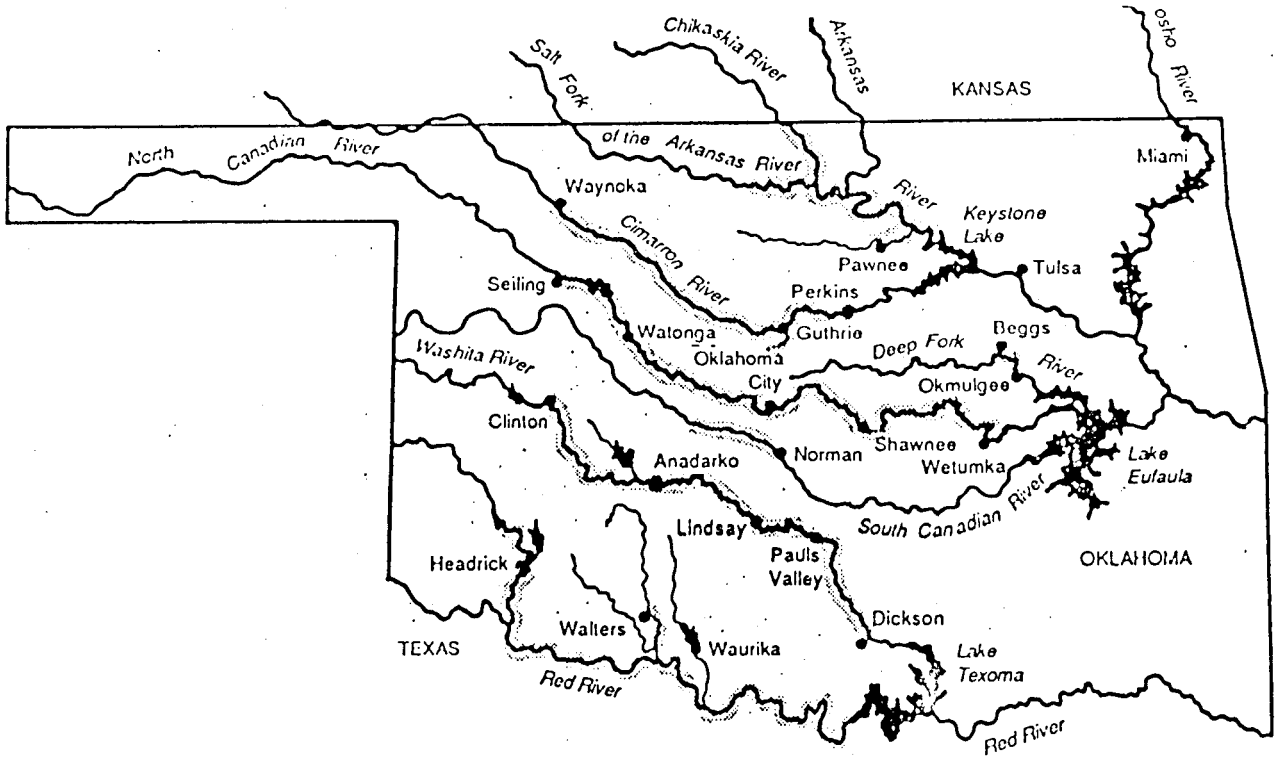
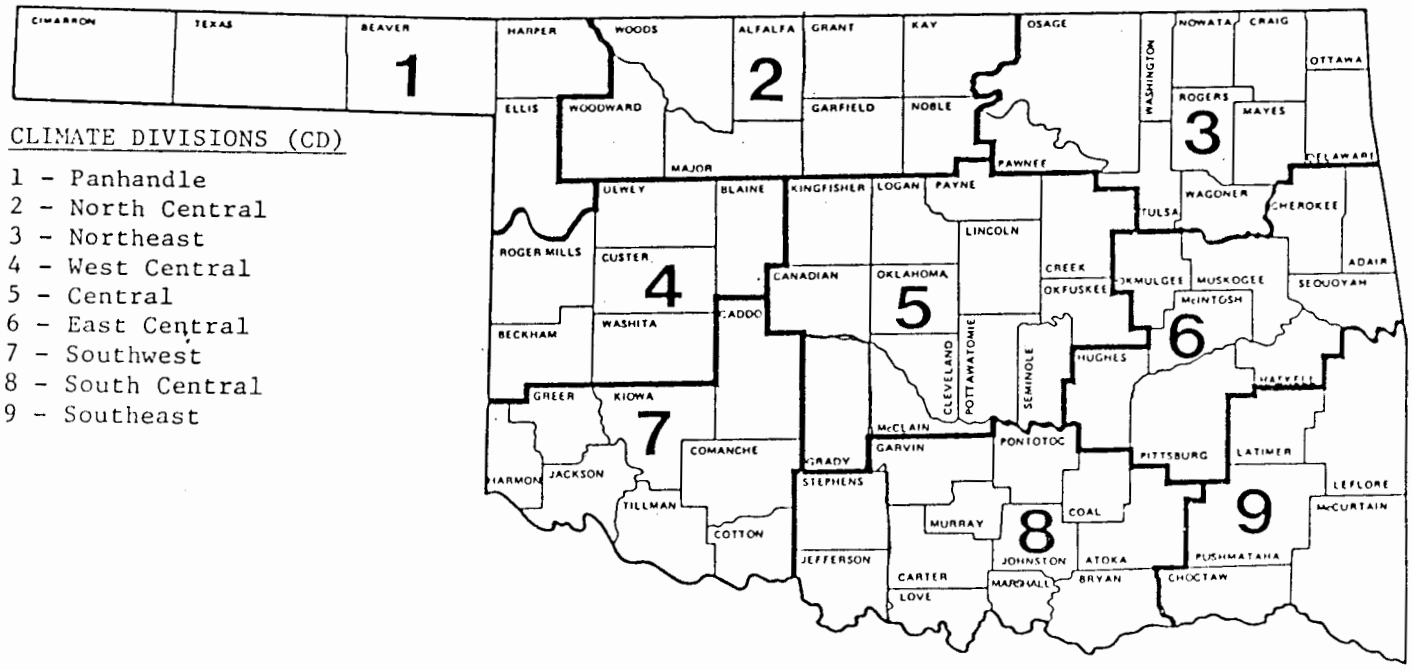


Figure 2: Shaded areas show sections of rivers and creeks reported at or above flood stage as of 5/29/87 (map from Tulsa Tribune 5/29/87).

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 an indoor temperature of 65 degrees. Missing observations may result in an artificially high or low value. For February 1984 HDD would be calculated as:

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

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

Cooling Degree Days: CDD are calculated each day of the month for which there is a temperature report and summed. They are a proxy measure of how much cooling was required to maintain an indoor temperature of 65 degrees. 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.

MAY 1987 SUMMARY FOR NORTHWEST DIVISION (CD1)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ARNETT	332	1	67.6	30	1.3	93.	18	48.	7	35.5	-51.5	114.5	-13.5	6.812	31	2.67	1.98	27
BEAVER	593	1	66.5	30	.2	90.	17	47.	9	46.5	-47.5	92.5	-41.5	2.901	31	-.36	1.40	5
BOISE CITY	908	1	63.6	31	.4	87.	17	39.	4	84.0	-46.0	41.0	-33.0	4.213	31	1.78	2.95	4
FARGO	3070	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.752	31	2.79	2.10	27
BUFFALO	1243	1	69.6	31	1.1	92.	13	46.	9	18.0	-45.0	161.5	-9.5	10.310	31	5.92	2.60	5
GAGE	3407	1	68.2	30	1.7	92.	19	46.	7	37.0	-50.0	134.0	0.0	5.291	29	1.63	1.11	26
GATE	3489	1	67.6	30	999.0	89.	11	50.	7	40.5	9999.0	119.0	9999.0	7.001	31	99.99	2.80	4
GOODWELL	3628	1	63.4	30	-1.3	89.	2	45.	29	91.5	-27.5	43.5	-65.5	6.262	31	3.39	2.46	4
GUYMON	3835	1	66.9	30	999.0	89.	19	47.	29	40.5	9999.0	98.0	9999.0	4.642	30	99.99	1.64	4
HOOKER	4298	1	65.9	30	.5	91.	28	47.	8	52.5	-44.5	81.0	-28.0	3.201	31	-.23	1.06	5
KENTON	4766	1	62.0	30	-1.5	87.	18	42.	25	113.0	-3.0	21.5	-47.5	3.971	31	1.48	1.21	4
LAVERNE	5045	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.072	31	.68	1.49	27
REGNIER	7534	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.933	31	3.01	2.10	3

MAY 1987 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ALVA	194	2	70.6	31	2.5	92.	11	47.	8	9.5	-47.5	184.5	31.5	7.620	31	3.56	2.06	27
BILLINGS	755	2	70.7	30	999.0	96.	18	53.	7	.5	9999.0	170.5	9999.0	9.552	31	4.95	3.65	27
BLACKWELL	818	2	72.2	31	999.0	98.	18	47.	8	2.5	9999.0	224.5	9999.0	9.902	31	99.99	3.59	28
BRAMAN	1075	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.502	31	99.99	3.36	27
CEDARDALE	1620	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.560	31	99.99	2.24	27
CHEROKEE	1724	2	72.1	31	3.4	98.	19	50.	7	5.0	-40.0	224.0	64.0	9.480	31	5.63	2.62	27
ENID	2912	2	72.5	31	3.5	97.	18	52.	8	3.5	-36.5	235.0	71.0	10.280	31	5.27	3.82	27
FT SUPPLY DAM	3304	2	67.6	30	.1	91.	18	47.	7	30.5	-38.5	109.5	-37.5	6.041	31	2.33	1.62	27
FREEDOM	3358	2	69.7	31	999.0	92.	19	48.	9	13.0	9999.0	160.0	9999.0	7.510	31	99.99	1.90	5
GSP DAM	3740	2	72.0	30	999.0	98.	18	52.	7	5.5	9999.0	215.0	9999.0	11.420	31	7.84	4.02	5
HARDY	3909	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.853	31	99.99	3.90	26
HELENA	4019	2	69.8	30	999.0	96.	18	51.	8	7.5	9999.0	151.0	9999.0	10.450	31	6.11	3.36	27
JEFFERSON	4573	2	72.5	31	3.8	97.	18	49.	8	4.0	-43.0	235.5	73.5	14.360	31	10.44	3.43	26
MEDFORD	5768	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	12.300	31	99.99	3.10	26
LAMONT	5013	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.982	31	99.99	3.70	27
MORRISON	6065	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.330	31	99.99	2.93	28
MUTUAL	6139	2	68.2	30	1.1	94.	18	47.	4	25.0	-54.0	120.0	-25.0	6.700	31	2.38	2.25	27
NEWKIRK	6278	2	72.1	31	3.9	94.	18	50.	8	4.5	-46.5	224.5	73.5	9.802	31	5.08	2.62	28
ORIENTA	6751	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.390	31	99.99	2.68	27
PERRY	7012	2	73.6	31	4.3	97.	18	49.	8	1.0	-37.0	268.0	96.0	8.810	31	2.73	2.92	27
PONCA CITY	7201	2	73.9	30	6.2	97.	18	50.	7	0.0	-65.0	268.0	120.0	7.910	31	3.42	4.32	27
RED ROCK	7505	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.800	31	3.17	2.43	28
RENFROW	7556	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.860	31	5.23	3.18	27
WAYNOKA	9404	2	69.7	31	.6	96.	18	47.	9	18.0	-30.0	164.5	-10.5	7.660	31	3.22	1.89	27
WOODWARD	9760	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.410	31	4.34	2.93	27

Note: 9999.0, 999.0, 99.99 indicate missing records.
Trace = .001

MAY 1987 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
BARNSDALL	535	3	71.9	30	999.0	93.	18	49.	8	.5	9999.0	208.0	9999.0	5.855	31	.59	2.20	28
BARTLESVILLE	548	3	73.1	31	4.4	96.	18	49.	9	0.0	-36.0	252.0	102.0	6.271	31	1.60	2.78	28
BIXBY	782	3	72.4	30	3.8	94.	21	52.	1	0.0	-43.0	221.5	66.5	9.790	31	5.14	3.30	28
BURBANK	1256	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.831	31	99.99	4.56	27
CHELSEA	1717	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.880	31	99.99	2.63	28
CLAREMORE	1828	3	72.0	30	4.1	92.	21	44.	1	.5	-62.5	210.0	58.0	6.333	31	1.66	2.35	28
CLEVELAND	1902	3	72.9	27	999.0	96.	19	49.	8	0.0	9999.0	213.0	9999.0	6.531	29	99.99	2.33	28
FORAKER	3250	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.663	31	3.84	2.62	27
HOLLOW	4258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.110	31	1.25	2.20	28
HOMINY	4289	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.100	31	1.46	2.06	28
HULAH DAM	4393	3	71.7	15	4.4	93.	18	48.	8	.5	-64.5	101.5	-34.5	7.980	22	3.67	2.85	28
JAY TOWER	4567	3	73.9	31	999.0	94.	22	53.	8	0.0	9999.0	276.5	9999.0	6.220	31	99.99	4.00	28
KANSAS	4672	3	72.0	31	999.0	94.	11	55.	9	0.0	9999.0	216.0	9999.0	7.986	31	99.99	4.41	28
KEYSTONE DAM	4812	3	71.3	30	999.0	94.	21	47.	9	2.5	9999.0	191.0	9999.0	6.300	31	99.99	1.92	25
LENAPAH	5118	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.080	31	99.99	1.35	28
MANNFORD	5522	3	72.7	31	999.0	94.	18	49.	8	0.0	9999.0	238.5	9999.0	7.210	31	99.99	1.98	28
MARAMEC	5540	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.400	31	1.39	3.05	28
MIAMI	5855	3	72.4	30	4.5	92.	20	50.	9	0.0	-58.0	223.0	75.0	9.410	31	4.38	2.52	28
NOWATA	6485	3	72.8	27	4.6	94.	21	53.	9	0.0	-46.0	209.5	64.5	4.000	26	-.62	1.86	28
ONETA	6713	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.701	31	99.99	2.22	28
PAWHUSKA	6935	3	72.5	31	4.3	93.	18	48.	8	0.0	-48.0	232.0	85.0	5.501	31	.74	1.70	28
PAWHUSKA 2	6937	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.600	31	99.99	1.93	28
PAWNEE	6940	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.881	31	2.04	3.80	28
PRYOR	7309	3	71.2	30	3.1	92.	21	48.	17	0.0	-55.0	186.5	35.5	7.062	31	2.18	3.30	28
QUAPAW	7358	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.450	31	4.27	3.30	28
RALSTON	7390	3	73.9	31	999.0	95.	18	49.	8	0.0	9999.0	275.0	9999.0	7.060	31	2.34	3.50	28
RAMONA	7394	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.980	31	99.99	1.88	28
SKIATOOK	8258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.981	31	2.31	2.58	28
SPAVINAW	8380	3	74.2	31	999.0	90.	21	53.	8	0.0	9999.0	284.0	9999.0	5.722	31	.66	2.48	28
TULSA	8992	3	74.8	31	5.7	94.	19	55.	8	0.0	-40.0	304.0	137.0	10.191	31	5.05	3.62	28
VINITA	9203	3	72.8	31	5.2	93.	21	49.	8	0.0	-62.0	243.0	100.0	5.490	31	.14	2.38	28
WAGONER	9247	3	73.8	31	4.6	91.	21	53.	8	0.0	-30.0	271.5	110.5	5.461	31	.63	2.72	28
WANN	9298	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.710	31	99.99	1.93	28

Note 9999.0, 999.0, 99.99 indicate missing records.
Trace = .001

MAY 1987 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
CANTON DAM	1445	4	69.8	30	1.3	98.	18	48.	7	20.0	-30.0	164.5	5.5	9.940	31	4.99	3.15	27
CHEYENNE	1738	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.341	31	99.99	2.07	26
CLINTON	1909	4	73.2	31	4.2	97.	18	50.	9	0.0	-41.0	254.5	89.5	10.043	31	5.04	2.63	29
COLONY	2039	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.751	31	99.99	2.80	28
CORDELL	2125	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.660	31	4.98	2.65	23
ELK CITY	2849	4	68.6	31	999.0	91.	18	45.	10	27.0	9999.0	138.5	9999.0	9.081	31	4.15	3.41	27
ERICK	2944	4	69.5	31	1.0	93.	2	45.	9	17.5	-28.5	157.5	3.5	7.010	31	2.60	2.35	27
GEARY	2497	4	71.8	28	999.0	94.	18	51.	7	7.0	9999.0	197.5	9999.0	5.910	29	99.99	2.62	28
HAMMON	3871	4	66.7	30	-1.6	95.	18	42.	4	46.0	-17.0	97.0	-68.0	8.490	31	3.93	3.53	27
LEEDEY	5090	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.670	31	.89	2.10	27
OKEENE	6629	4	72.8	28	3.3	97.	18	50.	7	3.0	-33.0	222.0	46.0	8.970	31	3.98	3.96	27
RETROP	7565	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.350	31	99.99	3.50	29
REYDON	7579	4	69.4	31	999.0	98.	18	44.	8	21.0	9999.0	158.0	9999.0	5.032	31	.74	1.55	26
SAYRE	7952	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.990	31	2.58	2.21	27
SWEETWATER	8652	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.531	31	99.99	2.05	26
TALOGA	8708	4	69.5	31	1.6	93.	18	47.	28	29.5	-26.5	167.5	21.5	8.480	31	3.35	2.69	27
WATONGA	9364	4	71.4	31	999.0	96.	18	49.	9	11.5	9999.0	210.0	9999.0	6.881	31	1.90	1.93	29
VICI	9172	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.981	31	99.99	2.16	27
WEATHERFORD	9422	4	71.5	30	2.2	95.	11	50.	8	10.0	-23.0	204.0	37.0	7.841	31	3.12	1.92	29

Note: 9999.0, 999.0, 99.99 indicate missing records.
Trace = .001

MAY 1987 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
AMBER	200	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.430	31	99.99	5.18	28
TINKER AFB	325	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.554	31	99.99	3.04	28
BLANCHARD	830	5	72.3	31	999.0	92.	18	55.	29	2.5	9999.0	230.0	9999.0	11.712	31	99.99	7.65	28
BRISTOW	1144	5	73.7	31	4.6	96.	21	49.	8	0.0	-32.0	270.0	111.0	7.500	31	1.77	2.73	27
CHANDLER	1684	5	73.3	31	4.1	92.	21	53.	10	1.5	-30.5	259.5	96.5	6.892	31	1.48	1.92	27
CHICKASHA RES STA	1750	5	73.0	30	2.8	97.	17	51.	8	2.5	-21.5	241.5	55.5	9.680	31	4.56	6.62	27
COX CITY	2196	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	13.520	31	99.99	7.10	27
CRESCENT	2242	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.080	31	99.99	.92	27
CUSHING	2318	5	72.4	30	3.9	94.	18	55.	8	0.0	-49.0	221.0	63.0	6.270	31	.92	2.30	28
EL RENO	2818	5	71.8	31	3.1	95.	18	50.	7	4.0	-33.0	216.0	64.0	15.000	31	9.83	5.18	28
GUTHRIE	3821	5	74.4	31	5.1	98.	18	53.	9	0.0	-34.0	292.0	125.0	15.590	31	10.17	7.50	29
HENNESSEY	4055	5	72.8	24	3.6	97.	18	49.	8	3.0	-38.0	190.0	18.0	5.583	30	.26	1.83	28
INGALLS	4489	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.015	31	99.99	3.93	28
KINGFISHER	4861	5	71.9	31	2.5	97.	18	49.	8	3.5	-31.5	217.0	46.0	6.120	31	1.18	2.68	28
KINGFISHER CREEK	4862	5	72.1	30	999.0	97.	17	49.	8	3.0	9999.0	216.5	9999.0	6.120	31	99.99	2.68	28
OJC KINGFISHER	4864	5	72.0	30	999.0	92.	10	49.	7	3.0	9999.0	214.0	9999.0	6.120	31	99.99	2.68	28
KONAWA	4915	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	13.630	31	7.53	5.75	28
MARSHALL	5589	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.180	31	1.93	3.45	28
MEEKER	5779	5	72.3	30	3.3	91.	18	51.	8	0.0	-35.0	219.0	60.0	6.541	31	.90	2.10	27
MULHALL	6110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.510	31	99.99	3.61	28
NORMAN	6386	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.711	31	2.82	4.84	28
OKEMAH	6638	5	72.4	29	3.3	93.	21	55.	29	1.0	-26.0	215.0	61.0	6.520	31	1.50	2.97	28
OILTON	6616	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.670	17	99.99	2.20	28
OKLAHOMA CITY	6661	5	73.1	31	4.7	93.	19	55.	8	3.5	-37.5	254.0	107.0	11.595	31	6.10	5.05	27
PERKINS	7003	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.080	31	.88	2.79	28
PIEDMONT	7068	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.990	31	99.99	4.75	28
PRAGUE	7264	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.601	31	3.34	2.13	28
PURCELL	7327	5	72.5	31	3.0	93.	18	53.	10	0.0	-35.0	231.0	56.0	11.011	31	4.99	5.74	28
SEMINOLE	8042	5	74.2	30	3.8	94.	21	55.	9	0.0	-23.0	277.5	86.5	7.151	30	1.80	2.51	28
SHAWNEE	8110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.921	31	1.91	2.07	28
STELLA	8479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.280	31	99.99	2.64	28
STILLWATER	8501	5	72.4	30	4.0	95.	18	48.	9	0.0	-48.0	222.0	68.0	6.792	31	1.71	3.68	28
STROUD	8563	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.651	31	99.99	2.10	28
TECUMSEH	8751	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.751	31	99.99	2.03	28
THOMAS	8815	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.370	31	99.99	2.35	28
TROUSDALE	8960	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.440	31	99.99	4.05	28
UNION CITY	9086	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	12.833	31	6.93	6.45	27
WELTY	9479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.901	31	99.99	2.80	28

Note: 9999.0, 999.0, 99.99 indicate missing records.
Trace = .001

MAY 1987 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ASHLAND	364	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.471	31	99.99	3.10	28
BEGGS	631	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.050	31	99.99	2.45	28
BOYNTON	1027	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.630	31	99.99	2.50	28
CALVIN	1391	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.863	31	2.04	2.26	28
CHECOTAH	1711	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.853	31	.47	2.60	28
DEWAR	2485	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.030	31	1.92	2.74	28
DUSTIN	2690	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.330	31	99.99	3.00	26
EUFAULA	2993	6	73.9	30	999.0	90.	21	59.	29	0.0	9999.0	267.0	9999.0	7.230	30	1.75	3.30	28
HANNA	3884	6	72.8	31	999.0	91.	21	54.	10	0.0	9999.0	243.0	9999.0	9.150	31	3.71	2.42	28
HARTSHORNE	3946	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.301	31	99.99	3.02	28
HASKELL	3956	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.561	31	.61	2.71	28
HOLDENVILLE	4235	6	72.5	31	2.8	91.	21	53.	8	0.0	-23.0	232.5	63.5	8.040	31	2.44	3.20	28
LAKE EUFAULA	4975	6	73.0	30	999.0	90.	21	58.	10	0.0	9999.0	241.0	9999.0	11.060	31	99.99	2.07	6
LYONS	5437	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.671	31	.36	2.20	20
MCALESTER	5664	6	73.4	31	3.9	91.	22	55.	8	0.0	-34.0	261.0	87.0	8.211	31	2.59	3.78	28
MCCURTAIN	5693	6	74.3	31	999.0	93.	21	55.	8	0.0	9999.0	288.0	9999.0	7.483	31	1.81	2.00	29
MUSKOGEE	6130	6	74.5	31	5.0	94.	21	54.	9	0.0	-32.0	295.5	123.5	5.080	31	.05	1.98	27
OKMULGEE WATER WORK	6670	6	72.1	31	2.8	93.	21	51.	8	0.0	-30.0	219.5	56.5	6.910	31	1.83	2.02	28
OKTAHA	6678	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.780	31	99.99	3.43	28
QUINTON	7372	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.311	31	.74	3.98	30
SALLISAW	7862	6	73.7	27	4.0	93.	21	52.	1	0.0	-25.0	235.0	65.0	6.081	31	.61	1.30	25
SCIPIO	7979	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.990	31	99.99	2.68	29
SCRAPER	7993	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.990	31	99.99	3.90	28
SHORT	8170	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.550	31	99.99	1.96	5
STILWELL	8305	6	72.0	31	999.0	92.	21	53.	10	0.0	9999.0	217.5	9999.0	5.334	31	-.57	1.80	22
TAHLEQUAH	8677	6	73.1	30	4.9	92.	21	54.	8	0.0	-56.0	241.5	86.5	5.910	31	.44	2.25	28
WEBBERS FALLS	9445	6	72.9	30	3.9	94.	21	55.	9	0.0	-36.0	238.0	78.0	9.191	31	3.88	3.20	24
WESTVILLE	9523	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.520	31	99.99	1.53	23
WETUMKA	9571	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.064	31	.64	2.60	28

Note: 9999.0, 999.0, 99.99 indicate missing records,
Trace = .001

MAY 1987 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	DIV	MEAN TEMP	DEV NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ALTUS IRR STA	179	7	73.5	30	1.9	97.	2	50.	4	0.0	-18.0	255.0	33.0	10.000	31	5.35	3.95	23
ALTUS DAM	184	7	71.9	30	999.0	95.	18	50.	4	7.0	9999.0	213.0	9999.0	10.600	31	5.82	2.72	29
ANADARKO	224	7	72.1	28	2.1	93.	18	48.	9	4.0	-22.0	203.5	22.5	8.480	29	3.59	3.39	28
ALTUS AFB	447	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.961	30	99.99	.85	25
CARNEGIE	1504	7	72.7	30	2.7	96.	18	47.	9	2.5	-21.5	234.5	55.5	6.570	31	1.45	2.25	29
CHATTANOOGA	1706	7	73.6	29	2.8	97.	18	50.	4	0.0	-18.0	248.0	50.0	10.550	29	5.79	5.15	28
DUNCAN	2668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.311	31	99.99	8.49	28
FREDERICK	3353	7	72.0	30	-.3	96.	18	53.	4	9.5	-5.5	220.0	-21.0	9.450	31	4.71	3.00	29
GRANDFIELD	3709	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	11.370	31	6.43	6.33	28
HOBART	4204	7	72.4	31	3.3	94.	19	49.	4	8.0	-31.0	237.5	71.5	9.720	31	4.74	4.03	23
HOLLIS	4249	7	71.1	26	-.7	96.	18	48.	4	15.5	-3.5	174.0	-56.0	7.291	29	3.22	2.44	23
LAWTON	5063	7	72.6	30	2.0	97.	17	53.	4	5.5	-16.5	234.0	39.0	10.191	31	4.50	4.43	27
FT SILL	5068	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.110	30	1.42	3.62	27
LOCO	5247	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.472	31	99.99	5.36	28
LOOKEBA	5329	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.500	31	99.99	3.58	28
MANGUM RS STA	5509	7	72.3	31	1.3	97.	21	50.	4	0.0	-24.0	226.0	16.0	11.270	31	6.55	3.82	29
RANDLETT	7403	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.000	31	99.99	3.50	28
ROOSEVELT	7727	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	16.790	31	11.54	6.42	23
SEDAN	8016	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.101	31	99.99	2.20	27
SNYDER	8299	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.152	24	5.15	7.72	27
VINSON	9212	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.740	31	1.10	1.71	29
WALTERS	9278	7	74.2	31	2.7	96.	18	53.	9	0.0	-17.0	286.5	67.5	15.590	31	10.28	11.64	28
WICHTA MT REF	9629	7	69.7	30	.5	94.	18	47.	5	12.5	-17.5	152.5	-7.5	14.280	31	9.04	4.60	28
WILLOW	9668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.840	31	99.99	2.90	29

Note: 9999.0, 999.0, 99.99 indicate missing records.
Trace = .001

MAY 1987 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ADA	17	8	72.5	31	2.8	92.	21	53.	8	0.0	-23.0	233.0	65.0	10.272	31	4.64	4.32	28
ALLEN	147	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.440	31	99.99	3.04	28
ARDMORE	292	8	73.7	31	1.3	91.	21	55.	6	0.0	-7.0	271.0	35.0	9.000	31	4.36	5.19	28
ATOKA DAM	394	8	73.1	30	999.0	91.	21	57.	10	0.0	9999.0	241.5	9999.0	8.820	31	99.99	2.85	28
BOKCHITO	917	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.260	31	99.99	2.75	29
CANEY	1437	8	72.6	30	999.0	91.	14	59.	7	0.0	9999.0	228.5	9999.0	7.150	31	99.99	2.00	28
CENTRAHOMA	1648	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.120	31	99.99	3.76	28
CHICKASAW NRA	1745	8	71.9	30	999.0	91.	21	52.	8	2.5	9999.0	211.0	9999.0	10.060	31	99.99	3.30	28
COLEMAN	2011	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.870	31	99.99	3.27	28
COMANCHE	2054	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.071	31	99.99	5.68	28
DAISY	2354	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.575	31	4.27	3.29	28
DURANT	2678	8	74.4	26	999.0	90.	21	57.	8	0.0	9999.0	244.5	9999.0	8.290	30	3.29	1.90	29
ELMORE CITY	2872	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.121	31	99.99	5.00	27
FARRIS	3083	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.010	31	99.99	1.74	29
GRADY	3688	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.050	31	99.99	2.82	28
HEALDTON	4001	8	72.6	31	999.0	92.	21	53.	6	0.0	9999.0	237.0	9999.0	11.640	31	6.79	4.63	28
HENNEPIN	4052	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	12.840	31	99.99	6.35	27
KINGSTON	4865	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.430	31	2.39	3.40	29
LEHIGH	5108	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.014	31	99.99	3.22	29
LINDSAY	5216	8	73.1	30	999.0	93.	18	52.	8	0.0	9999.0	243.0	9999.0	13.420	27	7.14	7.10	28
MADILL	5468	8	73.3	31	2.4	88.	14	55.	4	0.0	-13.0	257.5	61.5	6.660	31	1.56	2.14	3
MARIETTA	5563	8	74.1	31	3.3	91.	21	55.	6	0.0	-15.0	283.0	88.0	10.340	31	5.79	3.63	29
MARLOW	5581	8	72.7	31	999.0	92.	21	52.	8	3.0	9999.0	242.5	9999.0	19.081	31	13.07	9.38	28
MCGEE CREEK	5713	8	74.2	30	999.0	91.	21	59.	29	0.0	9999.0	275.0	9999.0	8.192	31	99.99	2.14	28
OSWALT	6787	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.740	31	99.99	7.00	28
PONTOTOC	7214	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.100	31	.37	2.90	28
WAURIKA	9395	8	73.8	31	1.9	95.	18	54.	9	0.0	-13.0	274.0	47.0	8.050	31	3.20	3.48	28
PAULS VALLEY	9626	8	73.2	31	999.0	93.	18	51.	8	0.0	9999.0	253.0	9999.0	7.060	31	99.99	2.14	28
OSWALT	6787	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.740	31	99.99	7.00	28
TISHOMINGO	8884	8	70.3	15	999.0	95.	14	52.	8	18.5	9999.0	97.5	9999.0	7.840	21	2.96	2.65	29
TUSSY	9032	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.990	31	99.99	3.70	28
WAURIKA	9395	8	74.0	30	2.1	92.	21	54.	9	0.0	-13.0	269.0	42.0	8.050	31	3.20	3.48	28

Note: 9999.0, 999.0, 99.99 indicate missing records.
Trace = .001

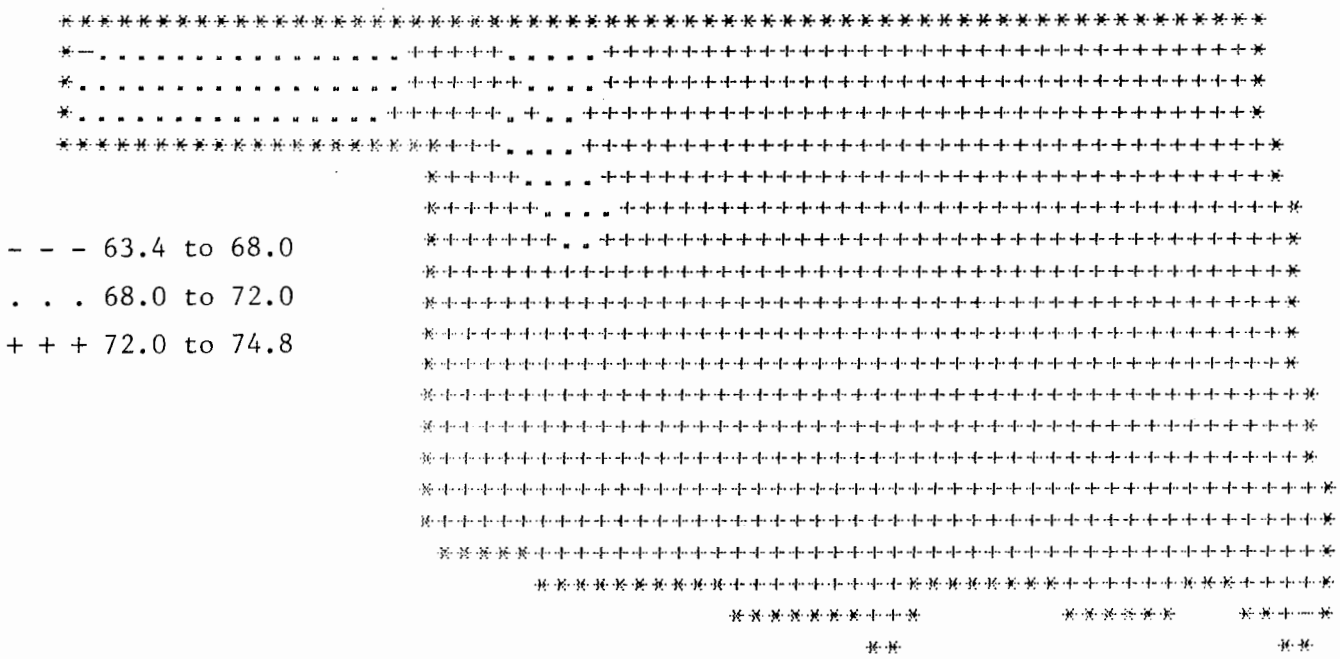
MAY 1987 SUMMARY FOR SOUTHEAST DIVISION (CD9)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	73.8	31	4.0	91.	15	51.	1	0.0	-26.0	272.5	98.5	7.460	31	1.52	1.68	28
BATTIEST	567	9	72.4	29	999.0	90.	15	47.	24	1.5	9999.0	217.5	9999.0	6.360	31	99.99	1.65	29
BENGAL	670	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.480	31	99.99	2.31	29
BOSWELL	980	9	72.5	31	999.0	87.	13	55.	8	0.0	9999.0	234.0	9999.0	10.521	31	5.57	2.22	24
BROKEN BOW	1162	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.330	31	-.36	1.33	24
BROKEN BOW DAM	1168	9	73.8	30	999.0	94.	15	52.	2	0.0	9999.0	265.0	9999.0	6.420	31	99.99	1.69	6
BUFFALO MT TW	1251	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.820	29	99.99	3.55	30
CARNASAW TOWER	1499	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.560	27	-.78	1.52	31
CARTER MT	1544	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.060	31	-1.88	1.40	24
FANSHAWE	3065	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.010	31	3.10	2.33	28
FLAGPOLE TW	3169	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.650	31	99.99	2.25	21
HEAVENER	4008	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.421	31	1.90	1.75	28
HEE MT TW	4017	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.461	31	99.99	1.65	24
HUGO	4384	9	74.4	31	3.1	90.	21	59.	11	0.0	-9.0	291.0	86.0	4.492	31	-1.17	2.15	29
IDABEL	4451	9	74.4	30	3.9	90.	15	57.	10	0.0	-15.0	281.0	95.0	5.291	31	-.38	2.00	29
JADIE TOWER	4560	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.920	31	99.99	.49	25
POTEAU	7254	9	73.5	30	999.0	92.	18	52.	8	0.0	9999.0	254.0	9999.0	6.914	31	99.99	1.86	27
SMITHVILLE	8285	9	70.0	20	999.0	87.	3	44.	1	1.5	9999.0	102.0	9999.0	5.881	21	99.99	3.75	26
SOBAL TOWER	8305	9	74.7	29	999.0	90.	16	60.	10	0.0	9999.0	280.0	9999.0	6.392	31	.49	2.14	29
SPIRO	8416	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.700	31	2.34	2.38	24
TUSKAHOMA	9023	9	72.9	31	999.0	89.	21	52.	9	0.0	9999.0	243.5	9999.0	12.100	31	99.99	2.10	29
VALLIANT	9118	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.882	31	3.38	2.30	8
ZOE	9985	9	72.8	18	999.0	90.	19	47.	9	0.0	9999.0	141.0	9999.0	4.710	23	-1.18	2.30	28

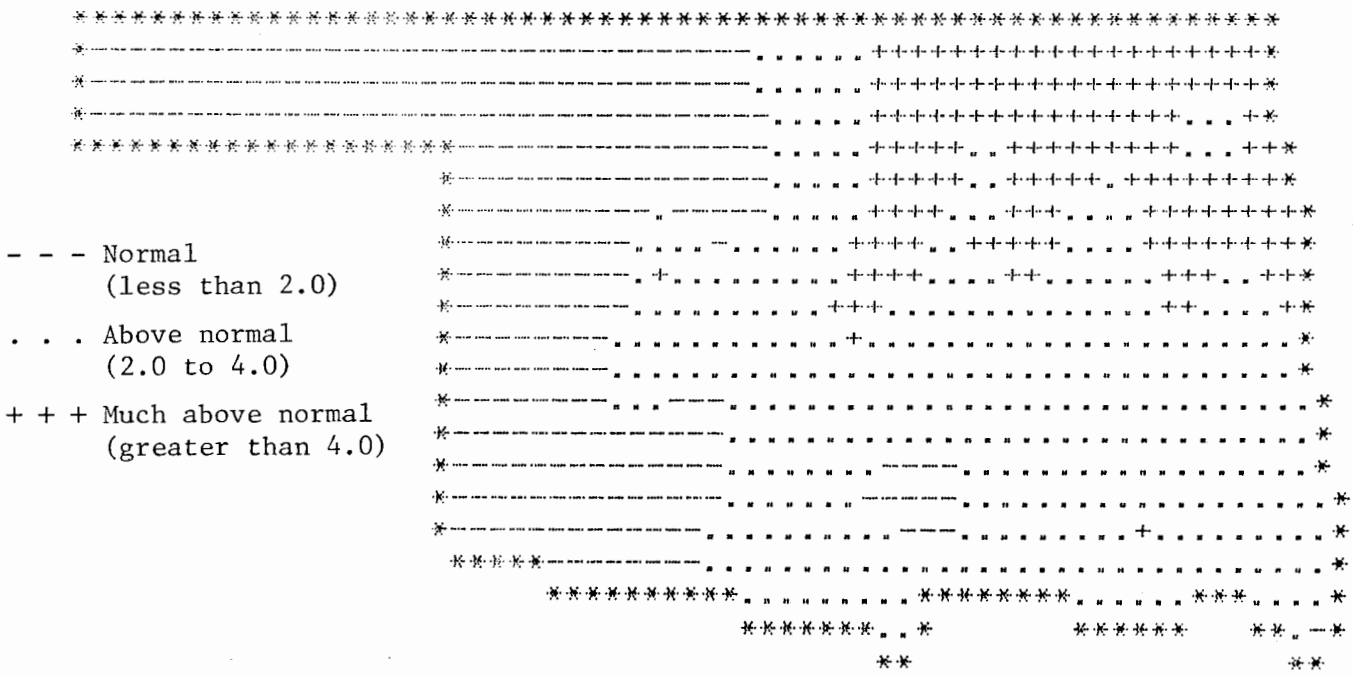
MAY 1987 CLIMATE DIVISION SUMMARY

CLIMATE DIV	MEAN TEMP	NUM STA	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEGREE DAYS	DEV FROM NORM	COOL DEGREE DAYS	DEV FROM NORM	TOT PPT	NUM STA	DEV FROM NORM	MAX 24-HR	DAY
1	66.1	10	.6	93.0	18	39.0	4	55.9	-43.2	90.7	-25.3	5.41	13	2.15	2.95	4
2	71.1	15	2.8	98.0	18	47.0	9	8.7	-45.2	197.0	39.3	8.88	25	4.57	4.32	27
3	72.8	18	4.6	96.0	19	44.0	1	.2	-49.4	236.4	85.9	6.52	32	1.67	4.56	27
4	70.4	11	1.7	98.0	18	42.0	4	17.5	-28.9	179.2	17.5	7.63	19	2.87	3.96	27
5	72.7	16	3.6	98.0	18	48.0	9	1.5	-33.7	237.2	72.4	8.45	37	2.99	7.65	28
6	73.2	12	3.9	94.0	21	51.0	8	0.0	-33.7	248.3	82.1	7.23	29	1.80	3.98	30
7	72.5	11	1.7	97.0	21	47.0	5	4.5	-18.5	228.2	28.1	9.53	23	4.56	11.64	28
8	73.2	14	1.9	95.0	14	51.0	8	.4	-13.6	251.4	43.2	9.31	31	4.04	9.38	28
9	73.6	9	3.1	94.0	15	44.0	1	.2	-16.5	259.8	71.5	7.06	21	1.35	3.75	26

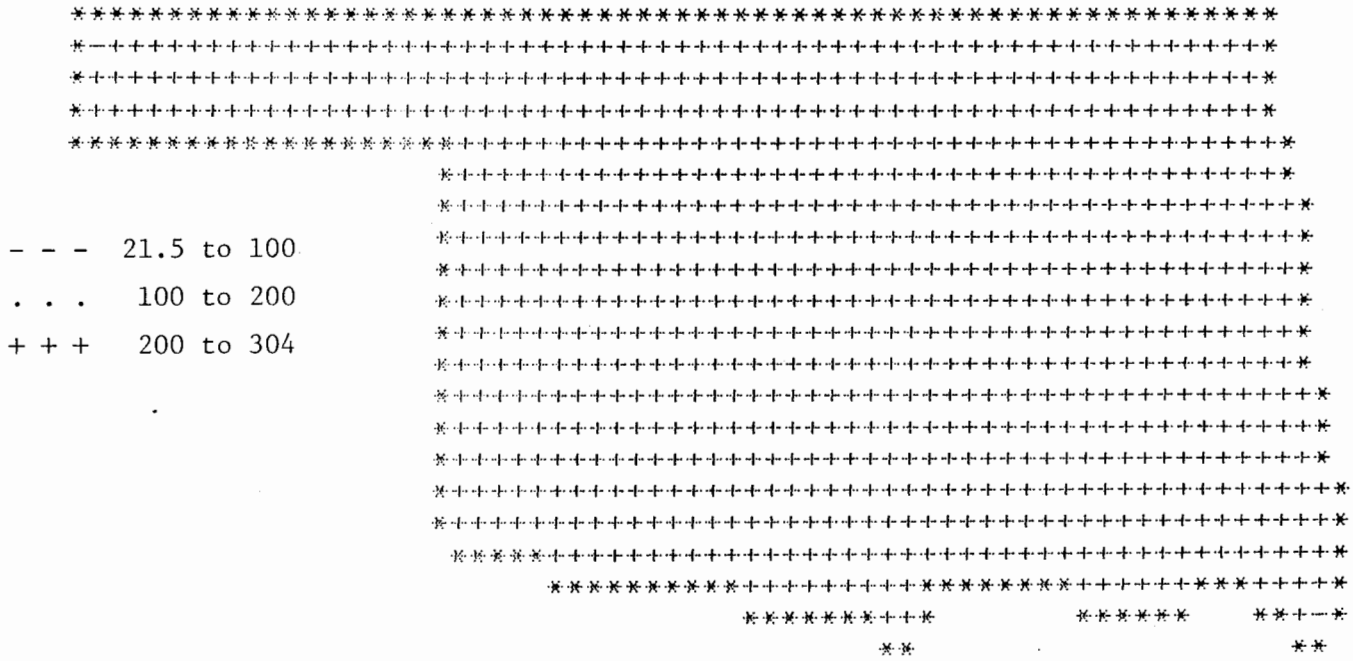
Note: 9999.0, 999.0, 99.99 indicate missing records.
Trace = .001



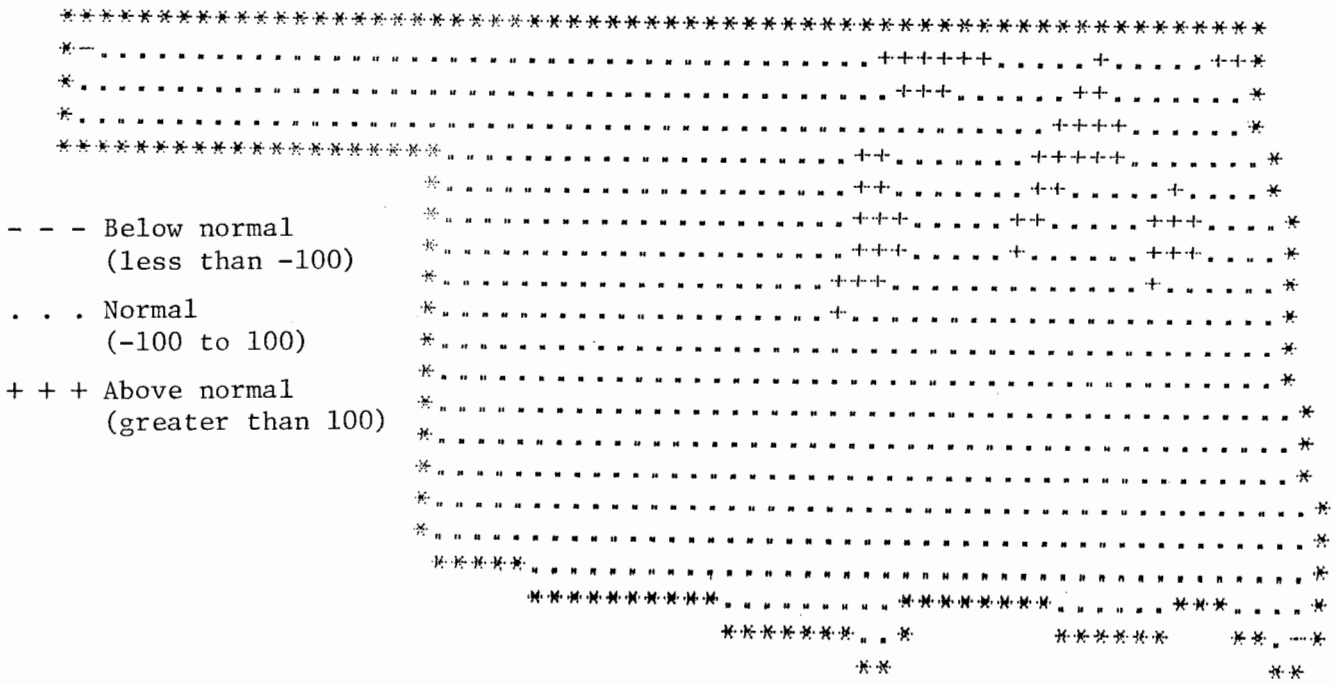
MAY 1987 AVERAGE MONTHLY TEMPERATURE
(DEGREES F)



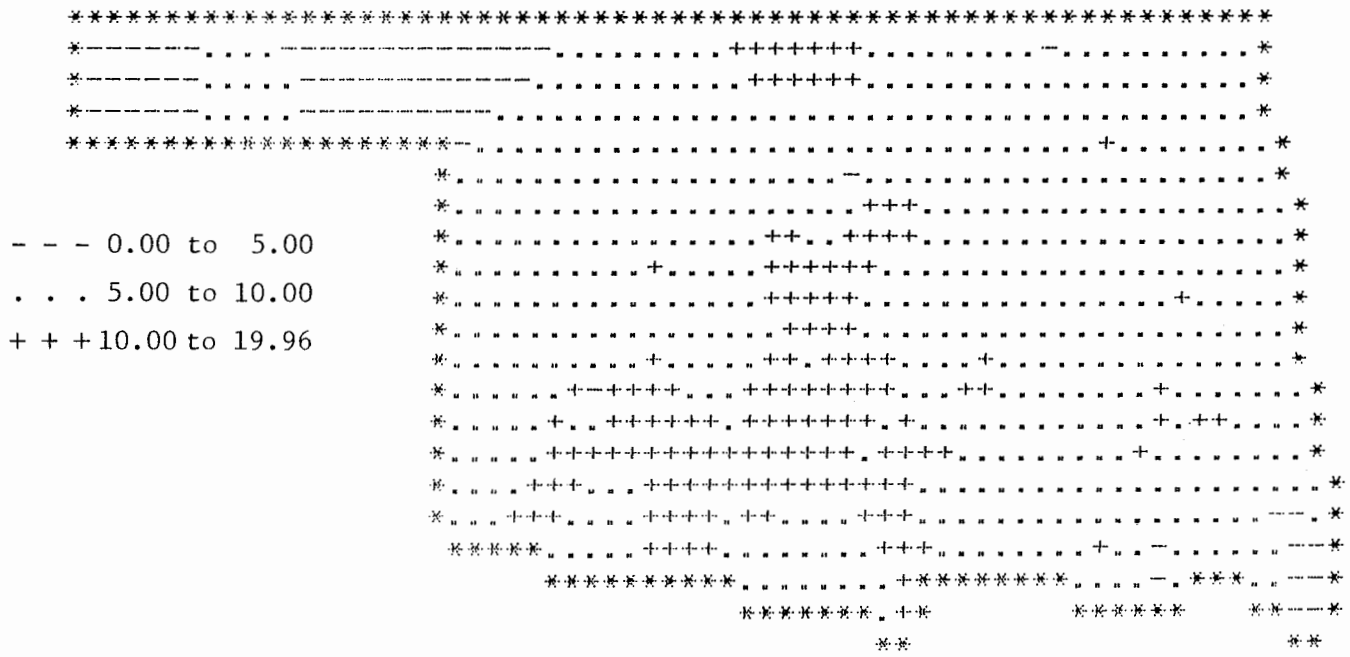
MAY 1987 DEVIATION FROM NORMAL TEMPERATURES



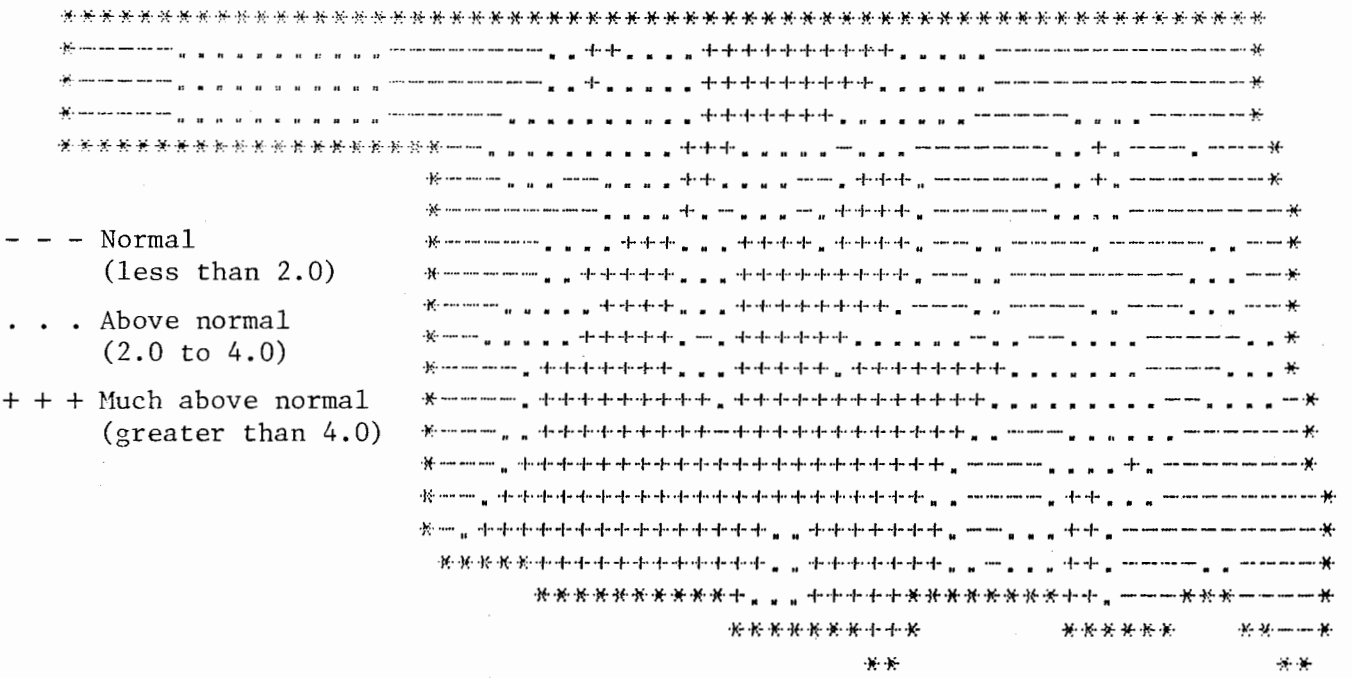
MAY 1987 TOTAL COOLING DEGREE DAYS



MAY 1987 DEVIATION FROM NORMAL COOLING DEGREE DAYS



MAY 1987 TOTAL PRECIPITATION
(INCHES)



MAY 1987 DEVIATION FROM NORMAL PRECIPITATION

JULY 1987
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 peroid of record (1924-present).

Normal	1	Actual
90.6	max	
69.5	min	
.264	pcpn	
0	HDD	
15	CDD	
Highest Max		102-1980
Lowest Max		69-1951
Lowest Min		57-1951
Highest Min		78-1931
Greatest pcpn		3.35-1940

Normal	2	Actual
92.6	max	
70.4	min	
.059	pcpn	
0	HDD	
17	CDD	
Highest Max		105-1948
Lowest Max		81-1948
Lowest Min		61-1945
Highest Min		78-1980
Greatest pcpn		1.61-1972

Normal	3	Actual
92.9	max	
71.0	min	
.078	pcpn	
0	HDD	
17	CDD	
Highest Max		103-1980
Lowest Max		80-1941
Lowest Min		62-1968
Highest Min		78-1933
Greatest pcpn		2.97-1947

Normal	4	Actual
91.4	max	
69.2	min	
.093	pcpn	
0	HDD	
16	CDD	
Highest Max		102-1934
Lowest Max		76-1972
Lowest Min		59-1940
Highest Min		80-1933
Greatest pcpn		.95-1960

Normal	5	Actual
91.4	max	
68.8	min	
.139	pcpn	
0	HDD	
15	CDD	
Highest Max		102-1966
Lowest Max		77-1958
Lowest Min		57-1942
Highest Min		80-1933
Greatest pcpn		3.21-1979

Normal	6	Actual
92.1	max	
69.5	min	
.070	pcpn	
0	HDD	
16	CDD	
Highest Max		102-1953
Lowest Max		73-1958
Lowest Min		55-1972
Highest Min		77-1986
Greatest pcpn		1.84-1929

Normal	7	Actual
93.0	max	
69.9	min	
.081	pcpn	
0	HDD	
17	CDD	
Highest Max		105-1970
Lowest Max		76-1960
Lowest Min		57-1952
Highest Min		77-1963
Greatest pcpn		1.39-1953

Normal	8	Actual
93.1	max	
70.3	min	
.047	pcpn	
0	HDD	
17	CDD	
Highest Max		105-1964
Lowest Max		82-1958
Lowest Min		57-1958
Highest Min		78-1931
Greatest pcpn		1.32-1959

Normal	9	Actual
93.1	max	
70.4	min	
.045	pcpn	
0	HDD	
17	CDD	
Highest Max		106-1964
Lowest Max		81-1961
Lowest Min		61-1952
Highest Min		80-1933
Greatest pcpn		1.88-1926

Normal	10	Actual
93.2	max	
69.9	min	
.066	pcpn	
0	HDD	
17	CDD	
Highest Max		104-1933
Lowest Max		76-1953
Lowest Min		58-1961
Highest Min		80-1933
Greatest pcpn		1.90-1945

Normal	11	Actual
93.4	max	
70.4	min	
.031	pcpn	
0	HDD	
17	CDD	
Highest Max		107-1933
Lowest Max		76-1953
Lowest Min		58-1931
Highest Min		81-1933
Greatest pcpn		.83-1940

Normal	12	Actual
92.0	max	
70.1	min	
.091	pcpn	
0	HDD	
17	CDD	
Highest Max		107-1954
Lowest Max		64-1953
Lowest Min		56-1953
Highest Min		82-1933
Greatest pcpn		1.80-1926

Normal	13	Actual
93.2	max	
69.8	min	
.161	pcpn	
0	HDD	
17	CDD	
Highest Max		106-1954
Lowest Max		73-1953
Lowest Min		56-1975
Highest Min		81-1934
Greatest pcpn		2.10-1963

Normal	14	Actual
92.9	max	
69.6	min	
.077	pcpn	
0	HDD	
17	CDD	
Highest Max		107-1954
Lowest Max		80-1926
Lowest Min		58-1926
Highest Min		80-1934
Greatest pcpn		.71-1961

Normal	15	Actual
92.1	max	
70.4	min	
.096	pcpn	
0	HDD	
16	CDD	
Highest Max		108-1936
Lowest Max		80-1952
Lowest Min		59-1967
Highest Min		82-1936
Greatest pcpn		1.70-1938

Normal	16	Actual
93.2	max	
70.5	min	
.056	pcpn	
0	HDD	
17	CDD	
Highest Max		106-1980
Lowest Max		74-1967
Lowest Min		64-1926
Highest Min		79-1939
Greatest pcpn		.61-1953

Normal	17	Actual
93.2	max	
70.3	min	
.171	pcpn	
0	HDD	
17	CDD	
Highest Max		106-1980
Lowest Max		80-1950
Lowest Min		63-1967
Highest Min		79-1943
Greatest pcpn		1.71-1959

Normal	18	Actual
93.2	max	
71.5	min	
.029	pcpn	
0	HDD	
18	CDD	
Highest Max		108-1936
Lowest Max		72-1967
Lowest Min		64-1931
Highest Min		81-1936
Greatest pcpn		.70-1931

Normal	19	Actual
92.9	max	
71.3	min	
.078	pcpn	
0	HDD	
17	CDD	
Highest Max		109-1936
Lowest Max		74-1953
Lowest Min		63-1931
Highest Min		82-1936
Greatest pcpn		.81-1953

Normal	20	Actual
93.0	max	
70.3	min	
.073	pcpn	
0	HDD	
17	CDD	
Highest Max		107-1936
Lowest Max		77-1944
Lowest Min		60-1970
Highest Min		77-1930
Greatest pcpn		1.15-1973

Normal	21	Actual
92.7	max	
70.1	min	
.181	pcpn	
0	HDD	
17	CDD	
Highest Max		107-1939
Lowest Max		78-1970
Lowest Min		54-1970
Highest Min		80-1981
Greatest pcpn		1.64-1950

Normal	22	Actual
92.9	max	
70.7	min	
.124	pcpn	
0	HDD	
17	CDD	
Highest Max		107-1974
Lowest Max		79-1960
Lowest Min		57-1970
Highest Min		79-1981
Greatest pcpn		1.00-1960

Normal	23	Actual
92.7	max	
70.2	min	
.217	pcpn	
0	HDD	
17	CDD	
Highest Max		104-1943
Lowest Max		77-1947
Lowest Min		55-1970
Highest Min		79-1943
Greatest pcpn		3.02-1960

Normal	24	Actual
93.2	max	
71.2	min	
.107	pcpn	
0	HDD	
17	CDD	
Highest Max		106-1943
Lowest Max		73-1947
Lowest Min		61-1927
Highest Min		78-1934
Greatest pcpn		2.92-1975

Normal	25	Actual
93.9	max	
71.5	min	
.092	pcpn	
0	HDD	
18	CDD	
Highest Max		106-1977
Lowest Max		78-1926
Lowest Min		66-1927
Highest Min		83-1934
Greatest pcpn		1.48-1950

Normal	26	Actual
93.4	max	
71.7	min	
.091	pcpn	
0	HDD	
18	CDD	
Highest Max		106-1978
Lowest Max		75-1959
Lowest Min		64-1933
Highest Min		78-1930
Greatest pcpn		.88-1978

Normal	27	Actual
93.9	max	
71.1	min	
.137	pcpn	
0	HDD	
18	CDD	
Highest Max		105-1986
Lowest Max		75-1959
Lowest Min		65-1933
Highest Min		78-1931
Greatest pcpn		1.88-1977

Normal	28	Actual
92.3	max	
70.8	min	
.204	pcpn	
0	HDD	
17	CDD	
Highest Max		108-1986
Lowest Max		75-1981
Lowest Min		61-1931
Highest Min		80-1946
Greatest pcpn		5.75-1981

Normal	29	Actual
92.9	max	
70.4	min	
.205	pcpn	
0	HDD	
17	CDD	
Highest Max		108-1986
Lowest Max		82-1927
Lowest Min		57-1931
Highest Min		79-1966
Greatest pcpn		2.02-1975

Normal	30	Actual
93.1	max	
70.7	min	
.046	pcpn	
0	HDD	
17	CDD	
Highest Max		108-1986
Lowest Max		79-1933
Lowest Min		57-1971
Highest Min		80-1986
Greatest pcpn		.71-1936

Normal	31	Actual
92.6	max	
70.4	min	
.069	pcpn	
0	HDD	
17	CDD	
Highest Max		107-1980
Lowest Max		83-1933
Lowest Min		53-1971
Highest Min		79-1943
Greatest pcpn		1.07-1978