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 JUNE 1987

June continued the rainy trend which began in May, with new storms compounding flood damage from previous rainfall events. Although well above average, June 1987 precipitation totals did not set any new records. Typically warm June temperatures were accompanied by high relative humidities. The conditions combined so that by mid-month the State was experiencing heat-stress conditions one to two weeks earlier than during 1986 (see 1987 Spring/Summer Climatological Conditions in Oklahoma, this issue).

Rainfall during May brought Lake Texoma to its highest level since 1957, 635.1 feet. Lake officials speculate that it could be months before the lake returns to its normal level of 617 feet. These and other problems were compounded when heavy rains began to fall during the first few days of June. In some portions of the State, damage resulting from early summer storms is estimated to exceed damage caused by the October 1986 flood ($11 million in October 1986 and $14 million for May 1987). The Waurika News-Democrat reported that Jefferson County farmers alone may be facing $1 million in damages due to loss of crop quality and quantity, flattened fences and broken equipment caused by the floods.

The wheat harvest was able to begin in sandy well-drained areas. The first wheat was brought to an Oklahoma elevator May 27. More rain on Tuesday and Wednesday, June 9 and 10, halted combining activities across much of the State. Additional showers fell on June 17. Severe thunderstorms moved through portions of the State on Wednesday afternoon and evening producing large hail and very strong winds. Gusts up to 70 mph were recorded in the Lawton area. The storms moved into the State from several directions, with one line entering

southeastern Oklahoma from the east and another coming into western Oklahoma from the Texas Panhandle. The National Weather Service said winds gusted up to 70 mph at Gage shortly after 7 p.m. and hail up to an inch in diameter was reported in several parts of southeastern, north central and western Oklahoma.

A more widespread weather system developed in Colorado on Thursday, June 18, and moved slowly eastward across the State on the 19th. These storms produced heavy rains and severe weather through June 22. Meteorologist Gary Szatkowski was quoted as describing the severe weather as "a relapse into what we normally expect during April and May. Although severe weather is not rare during June, it usually occurs early in the month and then a drier summertime pattern establishes itself. Oklahoma's April and May were quieter than usual with no tornadoes at all during April." The system took several days to move out of the State. A map of precipitation totals for the reporting period June 20 - June 22 is provided in Figure 1.

June ended on yet another rainy note when heavy precipitation was reported on the 29th of June. The distribution of this late-month rainfall, reported as precipitation ending at 7 a.m. on June 30, is presented in Figure 2.

By month's end, most of Oklahoma had received above normal precipitation (accumulated since March 1). The exceptions were eastern and southwestern Oklahoma. Topsoil moisture supplies were adequate in 70% of State. Subsoil moisture conditions were adequate at all locations.

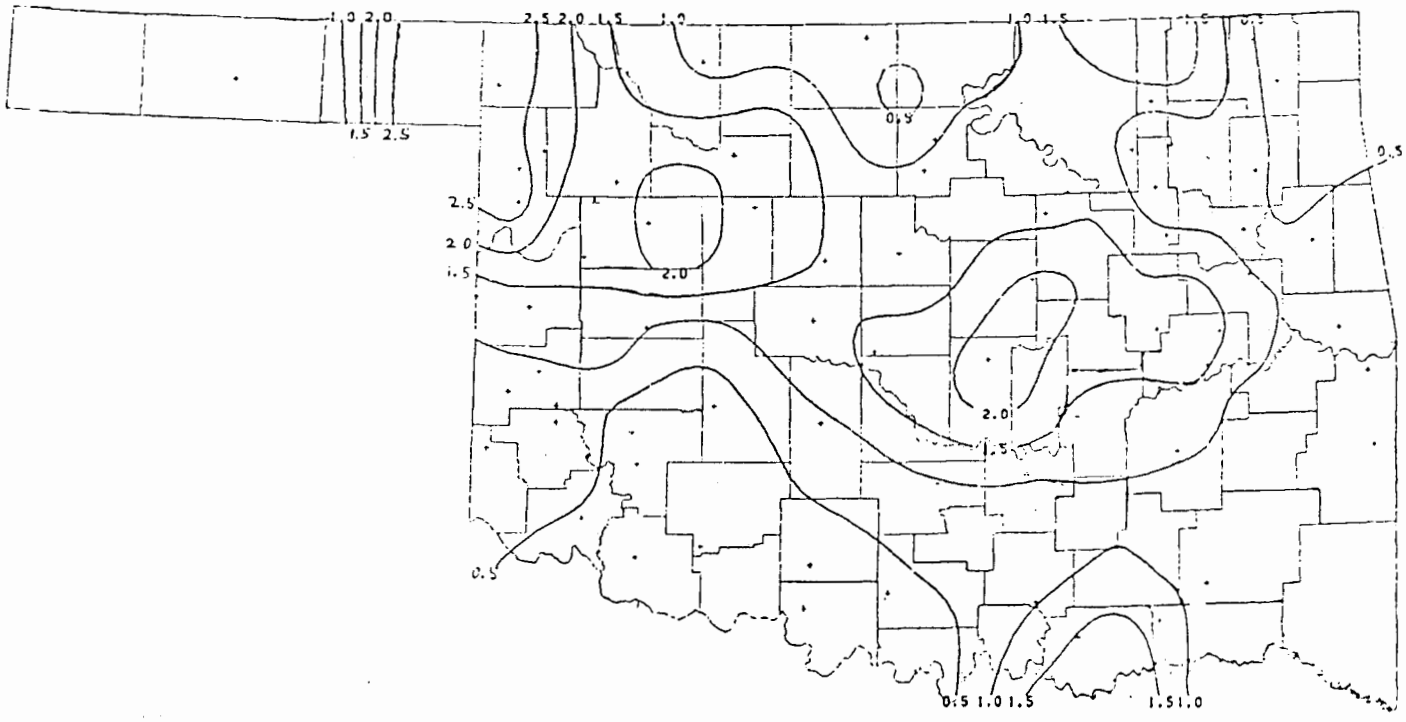


Figure 1: June 20-22, 1987 precipitation totals.

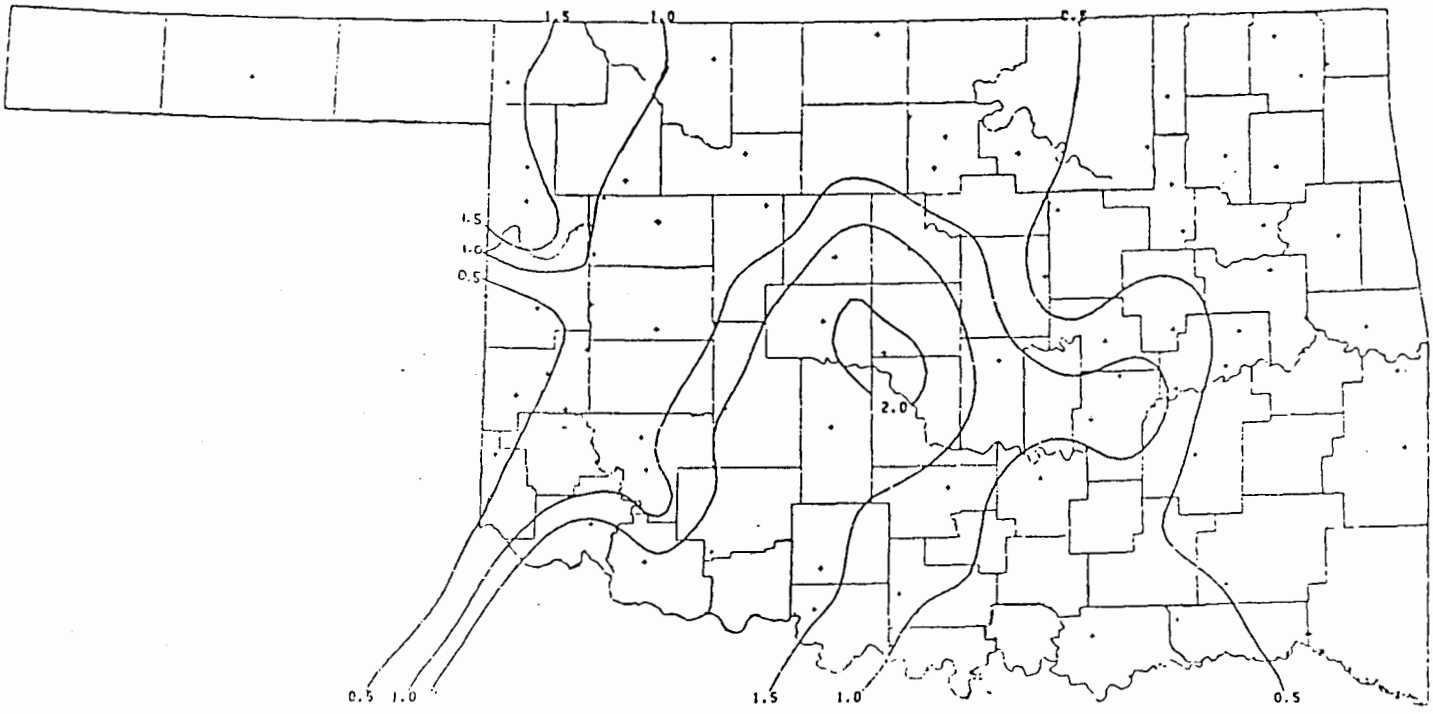


Figure 2: June 30, 1987 precipitation.

TABLE OF 1986/1987 COMPARISONS

	June Temperatures (F)		June Precipitation (in.)	
Station	1986	1987	1986	1987
Arnett	75.6	75.0	3.495	6.460
Enid	78.5	78.7	7.090	4.220
Mutual	76.3	75.8	4.970	3.041
Tulsa	79.7	79.3	4.272	3.120
Elk City	76.6	75.3	4.375	2.513
Oklahoma City	78.9	77.6	3.112	6.642
McAlester	78.5	77.6	3.154	4.802
Altus Irr. Sta.	78.3	78.6	3.760	5.490
Durant	79.0	77.4	11.432	7.720
Ada	78.1	77.2	4.410	2.210
Antlers	79.0	76.7	4.080	3.700

EXTREMES

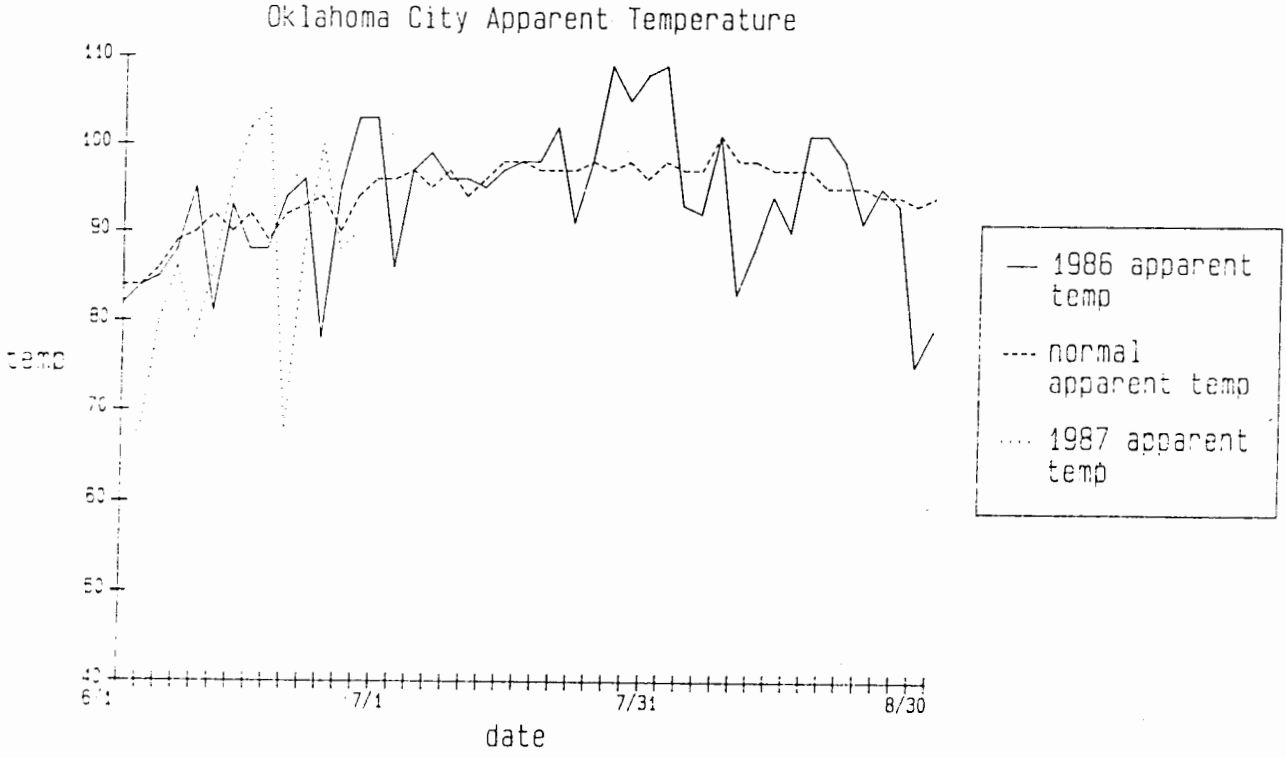
Variable	Station	Division	Observation	Date
Mimimum temperature (F)	Kenton	1	44	4
Maximum temperature (F)	Buffalo	1	104	4
Maximum 24-hour precipitation	Buffalo	1	5.45"	30

1987 Spring/Summer Climatological Conditions in Oklahoma

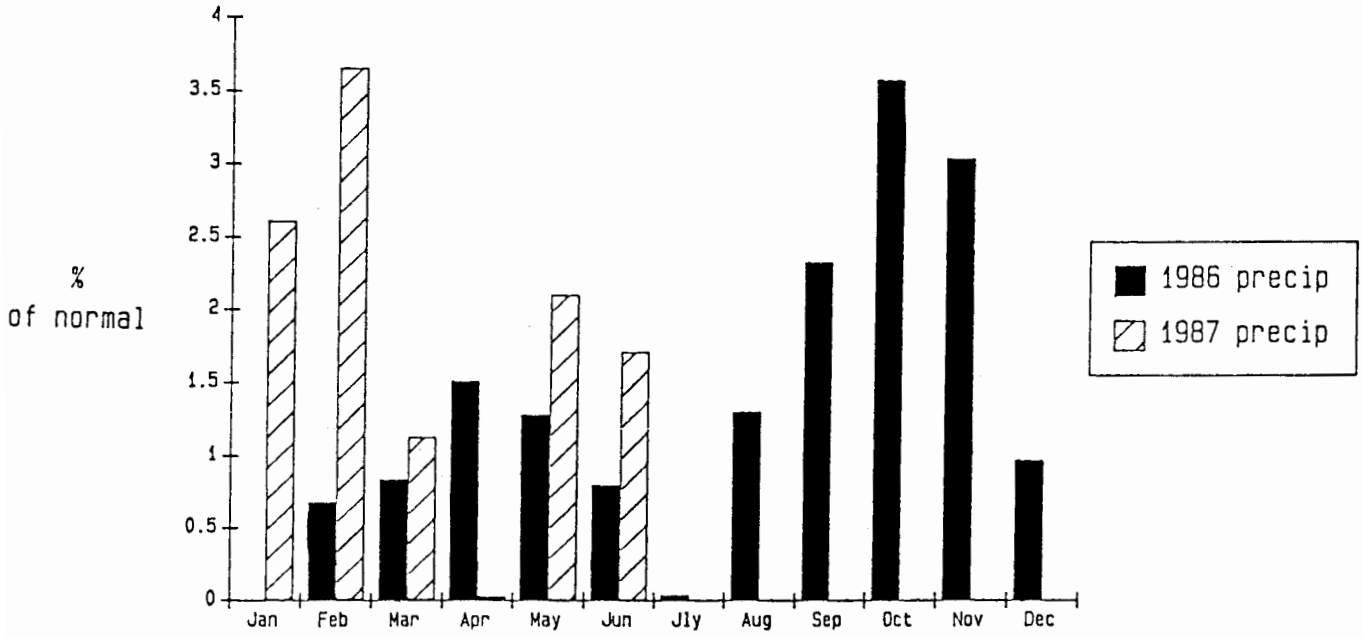
By: Ellen Cooter

Oklahoma's moisture conditions going into the dry summer months are much better in 1987 than during 1986, but stressful temperature conditions this year have come one to two weeks earlier than last year. In 1986 heat stress conditions peaked between July 21 and August 1. This is a normal pattern and similar conditions may well prevail about the same time period in 1987. National Weather Service 30 and 90 day outlooks covering the calendar periods June 15 to July 15 and June 1 through August 31 call for near normal temperatures with the exception of the eastern 1/3 of the State. This area is projected to experience slightly above normal temperatures through the summer months.

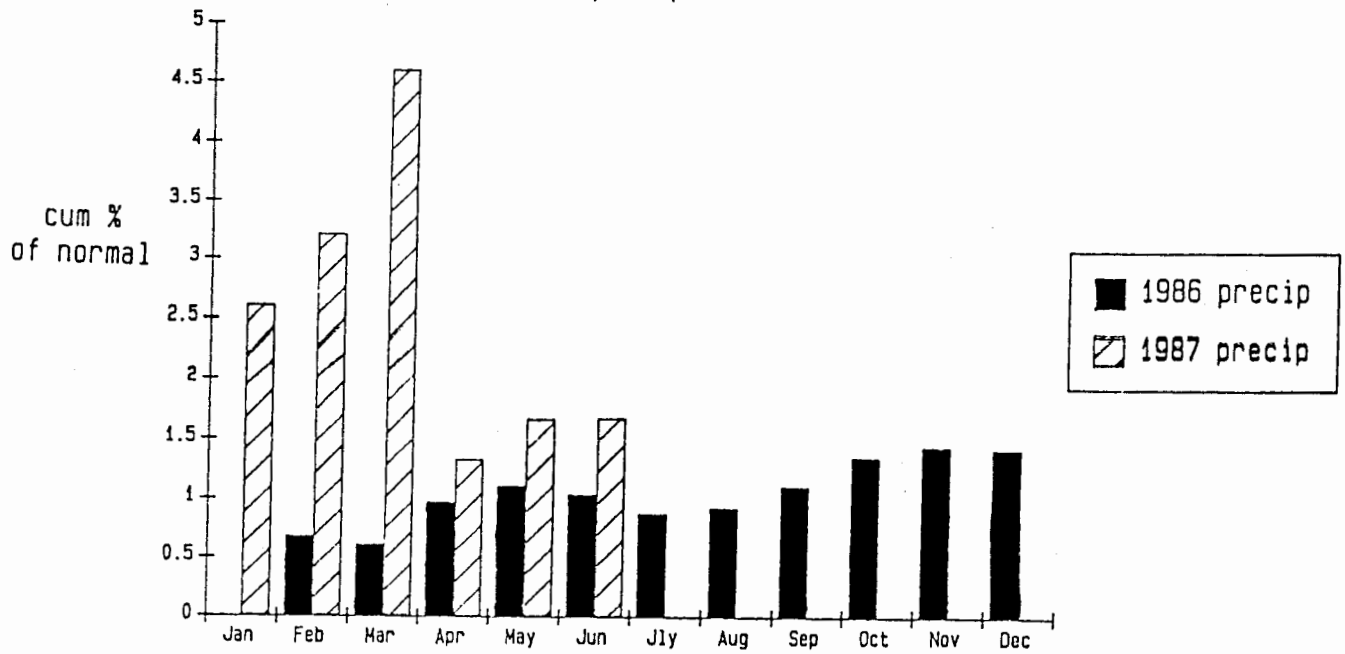
During 1986, total precipitation received did not reach normal levels until May and then balanced at or slightly below normal conditions until September. July 1986 was particularly dry with some relief received during August. In 1987 we enter the summer after an extremely wet first quarter. April was alarmingly dry, but a wetter than normal May and June have helped to make up this deficit. With the possible exception of southeastern Oklahoma, surface water supplies should be adequate entering the normal summer drought period. National Weather Service 30 and 90 day outlooks call for near-normal precipitation to occur across the entire State. This means July and August monthly total precipitation should range from 4.16 inches in southwestern Oklahoma to 6.52 inches in the northeastern portion of the State.



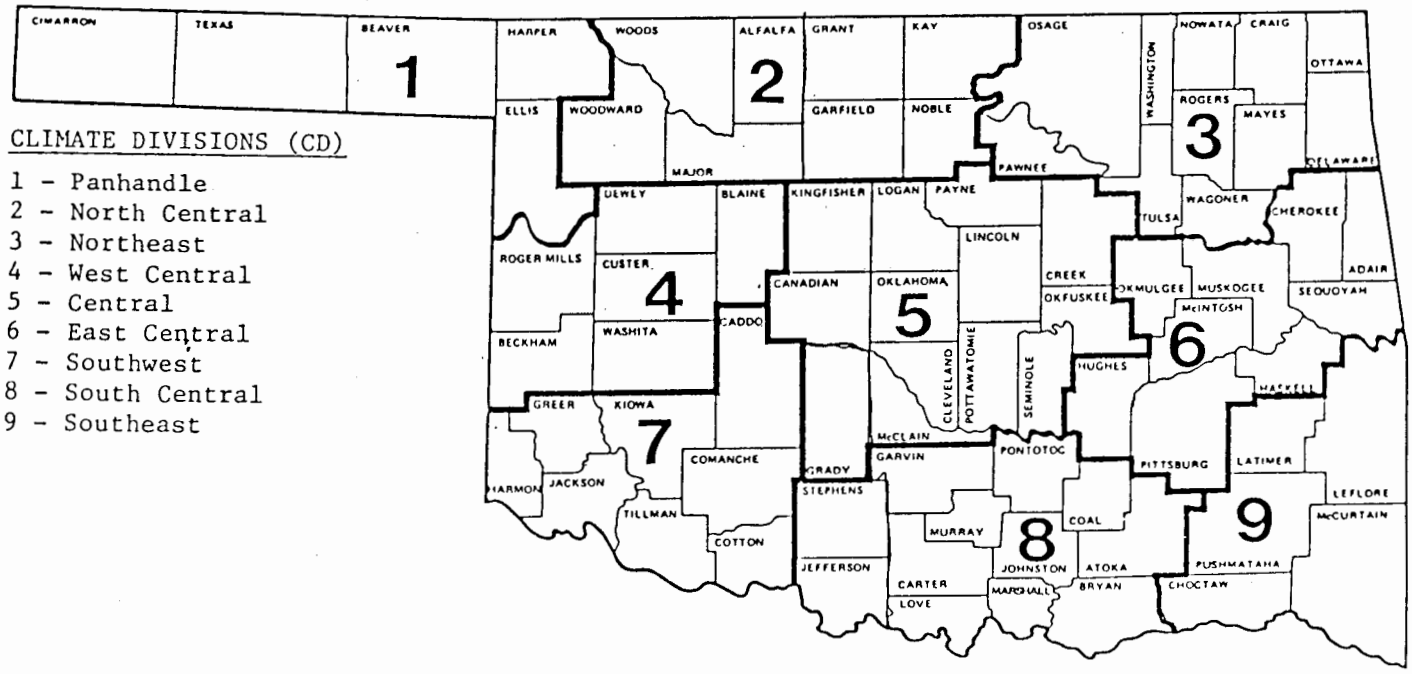
Oklahoma City percent of normal precipitation



Oklahoma City cummulative percent of normal precipitation



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.

JUNE 1987 SUMMARY FOR NORTHWEST DIVISION (CD1)

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
ARNETT	332	1	75.0	29	-.7	99.	17	51.	4	0.0	-7.0	290.0	-38.0	6.460	30	3.17	2.72	30
BEAVER	593	1	74.6	25	-1.6	100.	17	46.	4	2.0	-8.0	241.0	-105.0	6.910	30	4.07	1.91	19
BOISE CITY	988	1	72.3	30	-1.2	99.	17	47.	4	3.5	-6.5	222.5	-42.5	5.060	30	3.07	1.85	20
BUFFALO	1243	1	77.6	30	-.6	104.	17	50.	4	0.0	-6.0	378.5	-29.5	9.980	30	6.38	5.45	30
FARGO	3070	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.781	30	.57	.89	20
GAGE	3407	1	75.3	30	-1.3	100.	18	47.	4	4.5	4.5	314.0	-39.0	4.162	30	1.39	1.43	20
GATE	3487	1	75.7	29	999.0	102.	16	52.	3	.5	9999.0	311.5	9999.0	5.690	30	99.99	2.86	29
GUYMON	3835	1	74.5	26	999.0	103.	18	46.	4	4.5	9999.0	252.5	9999.0	1.593	28	99.99	.49	25
HOOKER	4298	1	74.0	30	-1.6	100.	18	52.	5	.5	-9.5	271.5	-56.5	3.120	30	.17	.60	10
KENTON	4766	1	71.6	29	-2.1	100.	17	44.	4	10.0	-4.0	202.5	-72.5	.910	30	-.91	.57	30
LAVERNE	5045	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.321	30	2.35	1.66	30
REGNIER	7534	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1020*5	31	100*2	99.91	31
TURPIN	9017	1	74.6	29	999.0	101.	17	49.	3	.5	9999.0	279.5	9999.0	3.910	30	99.99	2.32	19

JUNE 1987 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

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
ALVA	194	2	77.9	30	-.2	101.	17	51.	4	0.0	-5.0	386.5	-11.5	4.060	30	.26	1.39	3
BILLINGS	755	2	78.7	29	999.0	96.	18	59.	5	0.0	9999.0	396.5	9999.0	2.560	30	-1.55	.73	3
BLACKWELL	818	2	77.7	30	999.0	98.	17	54.	5	0.0	9999.0	381.0	9999.0	5.621	30	99.99	2.34	18
BRAMAN	1075	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.761	30	99.99	1.14	18
CEDARDALE	1620	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.721	30	99.99	.79	30
CHEROKEE	1724	2	79.1	30	.5	100.	17	55.	4	0.0	0.0	432.0	15.0	2.640	30	-1.35	.91	1
ENID	2912	2	78.7	30	.2	99.	14	55.	4	0.0	0.0	410.0	5.0	4.220	30	.10	1.23	17
FT SUPPLY	3304	2	74.7	29	-2.2	99.	17	50.	4	0.0	-6.0	281.5	-81.5	4.271	30	1.33	1.27	20
FREEDOM	3358	2	76.6	29	999.0	99.	14	52.	4	0.0	9999.0	337.5	9999.0	3.730	30	99.99	1.20	30
GSP DAM	3740	2	78.8	29	999.0	102.	14	55.	1	0.0	9999.0	399.5	9999.0	3.540	30	.05	1.19	30
HARDY	3989	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.572	30	99.99	1.80	17
HELENA	4019	2	76.8	29	999.0	101.	17	54.	4	0.0	9999.0	343.0	9999.0	3.650	30	-.30	1.00	30
JEFFERSON	4573	2	79.0	30	.3	102.	14	53.	4	0.0	0.0	420.0	9.0	5.581	30	1.60	1.45	17
LAMONT	5013	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.820	30	99.99	1.25	30
MEDFORD	5768	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.361	30	99.99	1.50	17
MORRISON	6065	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.130	30	99.99	.93	30
MUTUAL	6139	2	75.7	29	-1.5	101.	17	51.	4	0.0	-6.0	309.5	-62.5	3.041	30	-.13	.78	22
NEWKIRK	6278	2	77.6	30	.1	96.	14	55.	4	0.0	0.0	377.0	2.0	5.141	30	.55	1.26	18
ORIENTA	6751	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.860	30	99.99	1.35	20
PAWNEE	6940	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.350	30	.33	1.00	30
PERRY	7012	2	78.3	30	.2	100.	14	55.	4	0.0	0.0	399.0	6.0	4.691	30	.56	1.42	20
PONCA CITY	7201	2	76.2	7	-1.0	95.	17	55.	4	0.0	0.0	78.5	-287.5	1.450	13	-2.72	1.45	3
RED ROCK	7505	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.070	30	1.04	1.47	20
RENFROW	7556	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.940	30	.01	.80	11
WAUKOMIS	9434	2	76.6	30	-1.9	101.	17	51.	5	0.0	0.0	348.0	-57.0	4.020	30	.27	1.32	30
WOODWARD	9760	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.970	30	1.83	1.14	20

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

JUNE 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	76.3	30	999.0	93.	15	51.	5	0.0	9999.0	338.0	9999.0	2.660	29	-1.88	.74	3
BARTLESVILLE	548	3	77.8	30	.8	97.	14	53.	5	0.0	0.0	384.0	24.0	5.642	30	1.55	2.70	3
BIXBY	782	3	77.4	29	.5	95.	14	55.	5	0.0	0.0	359.0	-2.0	3.230	30	-1.51	1.40	20
BURBANK	1256	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.072	30	99.99	1.22	2
CHELSEA	1717	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.020	30	99.99	1.64	20
CLAREMORE	1828	3	77.7	28	1.4	95.	16	54.	5	0.0	0.0	357.0	18.0	3.241	30	-1.39	.72	1
CLEVELAND	1902	3	77.1	25	999.0	95.	17	53.	4	0.0	9999.0	303.0	9999.0	5.751	25	99.99	1.87	20
FORAKER	3250	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.861	30	-.33	.93	20
HOLLOW	4258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.242	30	-3.34	.51	3
HOMINY	4289	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.942	30	-1.21	.84	3
HULAH DAM	4393	3	75.8	28	.2	94.	14	51.	5	0.0	0.0	303.5	-19.5	3.450	30	-.91	1.65	3
JAY TOWER	4567	3	76.7	30	999.0	96.	15	52.	5	0.0	9999.0	349.5	9999.0	2.400	30	99.99	1.35	11
KANSAS	4672	3	75.3	30	999.0	92.	14	55.	6	0.0	9999.0	309.5	9999.0	2.030	30	99.99	.61	24
KEYSTONE DAM	4812	3	75.8	29	999.0	95.	15	47.	6	0.0	9999.0	314.0	9999.0	4.960	30	99.99	1.75	20
LENAPAH	5113	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.551	30	99.99	1.32	3
MANNFORD	5522	3	76.4	29	999.0	95.	14	53.	4	0.0	9999.0	332.0	9999.0	5.420	29	99.99	1.81	20
MARAMEC	5540	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.590	30	1.69	1.48	25
MIAMI	5855	3	76.7	29	.5	94.	13	53.	5	0.0	-7.0	339.0	-4.0	1.250	30	-3.63	.56	3
NOWATA	6485	3	77.1	30	.6	93.	15	54.	5	0.0	0.0	364.0	15.0	4.030	30	-.75	1.98	3
ONETA	6713	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.310	30	99.99	2.62	1
PAWHUSKA	6935	3	76.7	30	.1	94.	15	52.	5	0.0	0.0	350.0	2.0	4.510	30	.20	1.83	3
PAWHUSKA 2	6937	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.110	30	99.99	1.59	3
PAWNEE	6940	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.350	30	.33	1.00	30
PRYOR	7389	3	76.6	29	.2	94.	14	51.	4	0.0	0.0	337.5	-9.5	2.560	30	-2.11	.75	11
QUAPAW	7358	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.071	30	-4.70	.05	21
RALSTON	7390	3	78.4	30	999.0	96.	15	54.	5	0.0	9999.0	402.5	9999.0	5.121	30	.73	1.90	18
RAMONA	7394	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.250	30	99.99	1.07	25
SKIATOOK	8258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.590	30	-1.73	.72	30
SPAVINAW	8380	3	77.3	30	999.0	94.	14	55.	5	0.0	9999.0	368.0	9999.0	2.294	30	-2.49	1.00	12
TULSA	8992	3	79.3	30	1.6	96.	15	57.	4	0.0	0.0	428.5	47.5	3.120	30	-1.45	1.00	1
UPPER SPAVINAW	9101	3	81.9	28	999.0	102.	13	58.	4	0.0	9999.0	474.0	9999.0	1.472	30	99.99	.45	23
VINITA	9203	3	76.2	30	.2	93.	18	51.	4	0.0	-7.0	334.5	-2.5	1.990	30	-2.88	1.06	12
WAGONER	9247	3	77.3	30	.1	93.	14	56.	5	0.0	0.0	368.5	2.5	1.541	30	-3.55	.46	10
WANN	9298	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.960	30	99.99	1.12	3
WYNONA	9792	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.543	23	99.99	1.40	3

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

JUNE 1987 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

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	DEV NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
CANTON DAM	1445	4	76.2	29	-1.5	100.	17	54.	4	0.0	0.0	324.0	-57.0	2.760	30	-.94	.64	20
CHEYENNE	1738	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.990	30	99.99	.95	22
CLINTON	1909	4	78.7	30	.3	101.	17	56.	4	0.0	0.0	410.0	8.0	6.061	30	2.71	1.70	19
COLONY	2039	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.140	30	99.99	1.90	3
CORDELL	2125	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.580	30	-.49	.62	18
ELK CITY	2849	4	75.2	29	999.0	97.	17	52.	4	0.0	9999.0	297.0	9999.0	2.513	30	-.81	.87	10
ERICK	2944	4	75.3	30	-2.4	98.	17	52.	4	0.0	0.0	308.5	-76.5	3.631	30	.66	1.86	10
GEARY	3497	4	76.4	30	-1.4	98.	14	57.	7	0.0	0.0	343.5	-40.5	4.840	30	1.03	1.71	20
HAMMON	3871	4	73.4	29	-4.7	100.	17	46.	3	4.0	-2.0	246.5	-152.5	4.662	30	1.70	1.54	20
LEEDEY	5390	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.320	30	-.92	1.13	10
MORAVIA	6035	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.741	30	1.75	1.27	10
OKEENE	6629	4	78.4	30	-.6	100.	17	55.	5	0.0	0.0	403.5	-16.5	3.010	30	-.96	1.04	20
RETROP	7565	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.790	30	99.99	1.08	30
REYDON	7579	4	75.5	30	999.0	99.	17	48.	4	1.5	9999.0	316.0	9999.0	2.262	30	-1.05	.62	22
SAYRE	7952	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.821	30	-.35	1.06	30
SWEETWATER	8652	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.440	30	99.99	.45	9
TALOGA	8708	4	77.0	30	-.5	100.	17	55.	9	0.0	0.0	359.0	-16.0	6.740	30	3.47	1.40	21
THOMAS	8815	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.970	30	99.99	.93	11
WATONGA	9364	4	76.6	30	999.0	99.	15	55.	5	0.0	9999.0	346.5	9999.0	4.400	30	.63	1.20	30
WEATHERFORD	9422	4	76.7	29	-1.6	100.	14	54.	5	0.0	0.0	340.5	-58.5	5.430	30	1.80	1.91	3
VICI	9172	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.680	30	99.99	1.12	10

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

JUNE 1987 SUMMARY FOR CENTRAL DIVISION (CD5)

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
AMBER	200	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.970	30	99.99	2.15	30
TINKER AFB	325	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.782	30	99.99	1.46	20
BLANCHARD	830	5	76.6	30	999.0	95.	14	57.	4	0.0	9999.0	347.0	9999.0	3.484	30	99.99	1.31	19
BRISTOW	1144	5	77.7	30	.5	97.	14	51.	7	0.0	0.0	381.0	15.0	3.211	30	-1.15	1.62	19
CHICKASHA RES STA	1750	5	77.3	29	-1.5	97.	16	56.	5	0.0	0.0	357.0	-57.0	5.741	30	2.65	1.56	30
COX CITY	2196	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.710	30	99.99	.78	29
CRESCENT	2242	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.510	30	99.99	1.78	30
EL RENO	2818	5	76.6	29	-.8	99.	14	54.	5	0.0	0.0	336.0	-36.0	4.520	30	.89	2.04	30
GUTHRIE	3821	5	79.1	28	1.2	99.	14	55.	5	0.0	0.0	395.0	8.0	5.391	28	1.43	1.52	30
CUSHING	2318	5	77.9	29	1.0	95.	13	58.	4	0.0	0.0	373.5	11.5	5.220	30	.93	2.65	20
HENNESSEY	4055	5	77.2	30	-1.3	98.	14	55.	5	0.0	0.0	366.5	-38.5	3.473	30	-.43	1.34	3
INGALLS	4489	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.682	30	99.99	1.52	30
KINGFISHER	4861	5	77.5	27	-1.1	100.	14	55.	4	0.0	0.0	337.0	-71.0	6.710	30	2.95	2.12	3
KINGFISHER CREEK	4862	5	77.6	25	999.0	100.	13	55.	4	0.0	9999.0	314.5	9999.0	6.710	28	99.99	2.12	3
KINGFISHER	4864	5	77.6	25	999.0	100.	13	55.	4	0.0	9999.0	314.5	9999.0	6.710	28	99.99	2.12	3
KONAWA	4915	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.750	30	-.97	1.09	18
MARSHALL	5589	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.810	30	.81	1.41	18
MEEKER	5779	5	75.5	17	-1.7	95.	17	53.	5	0.0	0.0	178.5	-187.5	1.580	18	-2.12	1.13	29
PURCELL	7327	5	76.6	30	-1.4	95.	17	53.	6	0.0	0.0	348.5	-41.5	4.571	30	.98	1.58	20
MULHALL	6110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.240	30	99.99	1.19	20
NORMAN	6386	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.171	30	.55	2.00	30
OILTON	6616	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.910	30	99.99	1.34	20
OKEMAH	6638	5	76.2	30	-.9	94.	14	59.	6	0.0	0.0	337.0	-26.0	3.670	30	-.80	1.07	30
OKLAHOMA CITY	6661	5	77.6	30	.6	98.	15	58.	4	0.0	0.0	378.0	18.0	6.642	30	2.77	2.25	30
PERKINS	7003	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.760	30	2.59	2.20	30
PIEDMONT	7068	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.380	30	99.99	1.53	30
PRAGUE	7264	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.892	30	.11	1.74	20
SEMINOLE	8042	5	78.2	30	-.3	97.	18	57.	6	0.0	0.0	397.0	-8.0	5.190	30	1.39	1.15	11
SHAWNEE	8110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.310	30	1.36	2.32	20
STELLA	8479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.640	30	99.99	1.61	30
STROUD	8563	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.990	30	99.99	2.37	20
TECUMSEH	8701	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.730	30	99.99	1.25	30
THOMAS	8815	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.990	30	99.99	.95	11
TROUSDALE	8960	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.860	30	99.99	3.24	1
UNION CITY	9086	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.610	30	.40	2.56	20
WELTY	9479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.502	30	99.99	1.25	20
WEWOKA	9575	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.960	30	1.75	1.89	20

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

JUNE 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	4.150	30	99.99	.93	1
BEGGS	631	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.290	30	99.99	.81	20
BOYNTON	1027	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.800	30	99.99	.60	30
CALVIN	1391	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.612	30	-.92	1.25	20
CHECOTAH	1711	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.312	30	-1.74	1.35	20
DEWAR	2485	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.740	30	-.33	2.10	20
DUSTIN	2690	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.720	30	99.99	1.50	20
EUFAULA	2993	6	77.9	30	999.0	96.	14	57.	4	0.0	9999.0	387.0	9999.0	3.021	30	-1.10	.80	24
HANNA	3804	6	76.3	30	999.0	95.	14	53.	5	0.0	9999.0	338.5	9999.0	2.712	30	-1.28	1.69	20
HARTSHORNE	3946	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.440	30	99.99	1.32	24
HOLDENVILLE	4235	6	76.3	26	-1.2	94.	17	54.	5	0.0	0.0	294.5	-80.5	4.100	26	.27	1.65	20
HASKELL	3956	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.300	30	-3.52	.52	20
LAKE EUFAULA	4975	6	77.3	29	999.0	94.	17	56.	4	0.0	9999.0	357.0	9999.0	2.450	30	99.99	.87	20
LYONS	5437	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.861	30	-.60	2.75	23
MCALESTER	5664	6	77.6	30	-.2	94.	18	58.	5	0.0	0.0	378.5	-5.5	4.802	30	1.14	1.87	24
MCCURTAIN	5693	6	77.3	30	999.0	94.	14	55.	6	0.0	9999.0	370.0	9999.0	3.331	30	-.95	1.10	24
OKMULGEE WATER WORK	6670	6	77.1	30	-.3	95.	14	58.	5	0.0	0.0	361.5	-7.5	3.090	28	-1.62	1.03	30
OKTAHA	6678	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.910	30	99.99	.57	20
MUSKOGEE	6130	6	78.0	30	.5	95.	14	55.	4	0.0	0.0	389.5	14.5	3.660	30	-.94	1.00	19
QUINTON	7372	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.024	30	-.01	1.37	19
SALLISAW	7862	6	76.7	30	-.7	95.	14	53.	6	0.0	0.0	351.5	-20.5	1.430	30	-2.90	.86	20
SCIPIO	7979	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.610	30	99.99	1.67	20
SCRAPER	7993	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.730	30	99.99	1.67	24
SHORT	8170	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.630	30	99.99	.97	24
STILWELL	8506	6	75.6	30	999.0	93.	14	50.	4	0.0	9999.0	319.0	9999.0	3.022	30	-1.46	1.83	24
TAHLEQUAH	8677	6	76.0	30	-.1	94.	14	52.	4	0.0	0.0	329.0	-4.0	3.300	30	-1.33	1.57	24
WEBBERS FALLS	9445	6	77.0	29	-.1	95.	14	54.	4	0.0	0.0	348.5	-14.5	1.200	30	-2.89	.37	20
WESTVILLE	9523	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.280	30	99.99	.46	24
WETUMKA	9571	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.203	29	-.12	1.48	30

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

JUNE 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	DEV NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ALTUS IRR STA	179	7	78.6	30	-1.9	101.	14	55.	4	0.0	0.0	407.5	-57.5	5.490	30	2.55	3.15	30
ALTUS DAM	184	7	78.3	29	999.0	100.	17	57.	4	0.0	9999.0	386.0	9999.0	3.630	30	.15	1.39	11
ANADARKO	224	7	76.1	25	-2.4	97.	15	53.	4	0.0	0.0	278.0	-127.0	3.640	28	.18	1.75	30
ALTUS AFB	477	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.003	30	99.99	1.69	30
CARNEGIE	1504	7	77.3	30	-1.9	99.	14	53.	4	0.0	0.0	368.0	-58.0	5.250	30	2.17	1.77	30
CHATTANOOGA	1706	7	78.9	30	-1.0	100.	18	57.	5	0.0	0.0	416.5	-30.5	7.762	30	4.96	2.93	30
DUNCAN	2668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.750	30	99.99	1.39	30
FLETCHER	3191	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.010	30	99.99	2.60	30
FREDERICK	3353	7	79.0	29	-2.0	100.	18	59.	5	0.0	0.0	406.0	-74.0	2.990	30	.04	1.52	30
GRANDFIELD	3709	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.060	30	3.88	4.15	11
HOBART	4204	7	77.4	29	-1.5	102.	18	53.	4	1.0	1.0	359.5	-57.5	4.481	30	1.58	1.20	18
HOLLIS	4249	7	78.9	22	-2.1	101.	15	54.	5	0.0	0.0	306.0	-174.0	5.160	27	2.18	2.63	10
FT SILL	5068	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.130	26	1.56	2.05	11
LOCO	5247	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.011	30	99.99	1.05	30
LOOKEBA	5329	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.690	30	99.99	3.35	20
MANGUM RES STA	5509	7	77.1	30	-2.7	101.	17	56.	5	0.0	0.0	363.0	-81.0	4.790	30	1.94	2.19	30
RANDLETT	7403	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.981	30	99.99	1.52	30
ROOSEVELT	7727	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.190	30	.90	.97	25
SEDAN	8016	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.111	30	99.99	2.00	18
SNYDER	8299	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.290	30	2.41	1.80	30
VINSON	9212	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.040	30	1.21	1.91	10
WALTERS	9278	7	78.5	30	-1.5	98.	17	56.	5	0.0	0.0	405.5	-44.5	6.360	30	2.77	2.32	30
WICHITA MT. REF.	9629	7	74.4	29	-3.3	98.	15	48.	5	0.0	0.0	272.5	-108.5	6.470	30	3.01	2.10	18
[illegible]	9668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.330	30	99.99	1.70	10

JUNE 1987 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

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	DEV NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ADA	17	8	77.2	30	-.5	96.	18	54.	5	0.0	0.0	365.0	-16.0	2.210	30	-1.52	.72	18
ALLEN	147	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.300	30	99.99	.92	20
ARDMORE	292	8	77.7	30	-2.6	94.	18	58.	4	0.0	0.0	381.5	-77.5	3.690	30	.42	.75	18
ATOKA DAM	394	8	77.1	29	999.0	97.	17	57.	6	0.0	9999.0	349.5	9999.0	7.100	30	99.99	1.35	30
CANEY	1437	8	77.9	29	999.0	95.	22	60.	5	0.0	9999.0	374.0	9999.0	2.810	30	99.99	1.25	19
CENTRAHOMA	1648	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.860	30	99.99	1.10	23
CHICKASAW NRA	1745	8	76.4	29	999.0	94.	17	52.	5	0.0	9999.0	330.5	9999.0	2.080	30	99.99	.86	20
COLEMAN	2011	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.770	30	99.99	1.42	15
COMANCHE	2054	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.292	30	99.99	1.50	30
DAISY	2354	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.362	30	-1.12	.96	30
DURANT USDA	2678	8	77.6	29	999.0	95.	17	54.	5	0.0	9999.0	364.0	9999.0	7.720	30	4.00	2.97	20
ELMORE CITY	2872	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.062	30	99.99	.80	30
FARRIS	3083	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.240	30	99.99	1.26	24
GRADY	3688	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.980	30	99.99	1.26	30
HEALDTON	4001	8	76.9	28	999.0	96.	14	55.	5	0.0	9999.0	334.0	9999.0	2.890	30	-.82	.86	30
HENNEPIN	4052	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.960	30	99.99	1.38	29
KINGSTON	4865	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.790	30	1.17	1.22	18
LEHIGH	5108	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.753	30	99.99	1.25	30
MADILL	5468	8	77.6	29	-1.3	99.	27	56.	7	0.0	0.0	366.5	-50.5	4.741	29	.89	1.07	18
MARIETTA	5563	8	77.8	30	-.9	96.	18	59.	6	0.0	0.0	384.5	-26.5	3.250	30	-.38	.70	30
MARLOW	5581	8	77.1	30	999.0	96.	15	54.	4	0.0	9999.0	362.0	9999.0	4.390	30	.57	1.07	13
MCGEE CREEK	5713	8	77.4	29	999.0	98.	22	56.	5	0.0	9999.0	360.5	9999.0	6.530	30	99.99	1.23	24
OSNALT	6787	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.280	29	99.99	3.22	11
PAULS VALLEY	6926	8	76.9	30	-2.6	95.	15	53.	5	0.0	0.0	358.0	-77.0	4.060	30	.69	1.39	16
PONTOTOC	7214	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.490	30	1.94	2.00	18
TISHOMINGO	8804	8	77.6	17	999.0	97.	22	53.	5	0.0	9999.0	215.0	9999.0	7.950	30	4.39	2.33	24
TUSSY	9032	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.692	30	99.99	1.19	30
WAURIKA	9395	8	78.2	30	-1.9	99.	15	58.	7	0.0	0.0	395.5	-57.5	3.530	30	.28	1.06	18

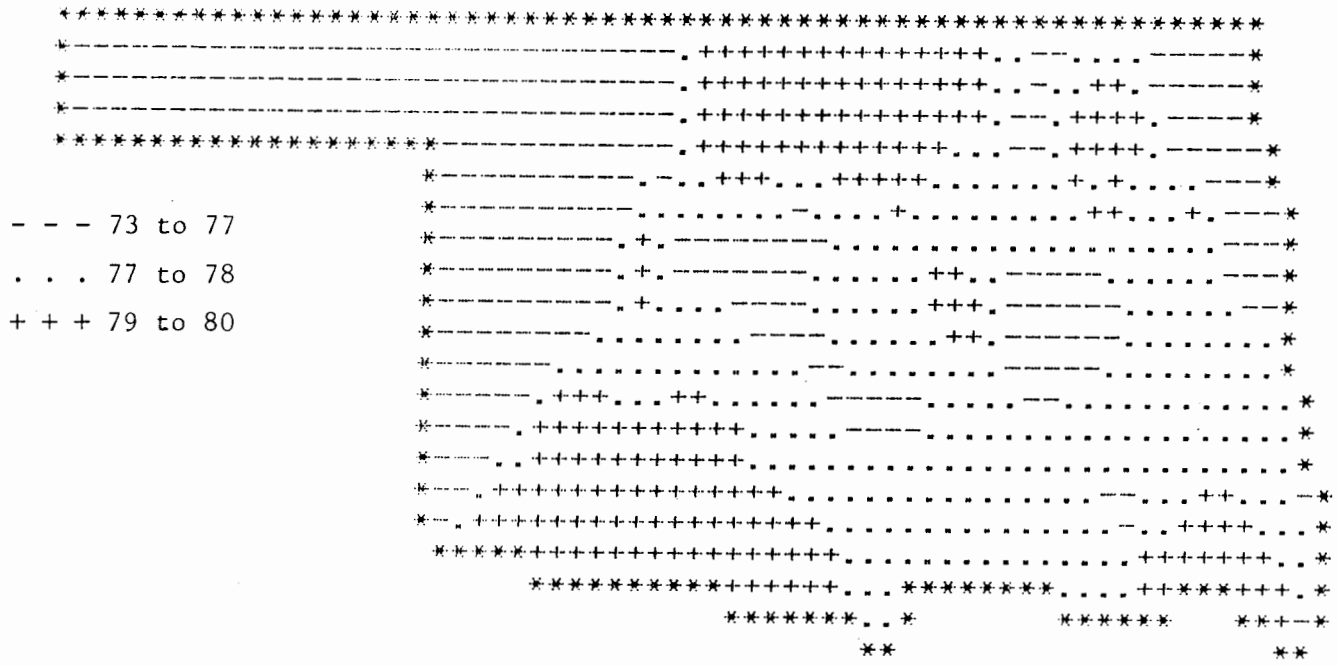
JUNE 1987 SUMMARY FOR SOUTHEAST DIVISION (CD9)

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	76.7	30	-.8	95.	17	55.	6	0.0	0.0	349.5	-25.5	3.700	30	-.27	1.20	19
BENGAL	670	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.960	30	99.99	1.05	20
BOSWELL	980	9	77.4	30	999.0	95.	17	55.	6	0.0	9999.0	372.0	9999.0	6.362	30	2.74	1.98	30
BROKEN BOW DAM	1162	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.710	30	-1.10	1.01	30
BUFFALO MT TW	1251	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.780	30	99.99	2.15	30
FANSHAWE	3065	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.730	30	-.48	.92	24
CARTER MT	1544	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.700	30	-.15	.72	24
HEAVENER	4008	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.990	30	-3.01	.45	24
HUGO	4384	9	78.2	30	-.5	97.	13	58.	5	0.0	0.0	396.0	-15.0	5.460	30	.94	2.25	1
IDABEL	4451	9	78.0	29	.1	94.	24	56.	6	0.0	0.0	377.5	-9.5	1.971	30	-1.72	.68	3
JADIE TOWER	4560	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.130	22	99.99	1.24	24
POTEAU	7254	9	77.2	29	999.0	96.	13	53.	5	0.0	9999.0	353.0	9999.0	4.090	30	99.99	1.07	23
SMITHVILLE	8285	9	75.6	28	999.0	94.	14	50.	5	0.0	9999.0	295.5	9999.0	4.422	30	99.99	1.55	24
SOBAL TOWER	8305	9	78.0	30	999.0	91.	15	63.	4	0.0	9999.0	389.5	9999.0	3.920	30	-.04	1.25	24
SPIRO	8416	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.270	30	-.28	1.35	20
TUSKAHOMA	9023	9	76.0	30	999.0	93.	15	50.	6	0.0	9999.0	331.0	9999.0	1.741	30	99.99	.58	20
VALLIANT	9118	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.060	30	.36	.92	24

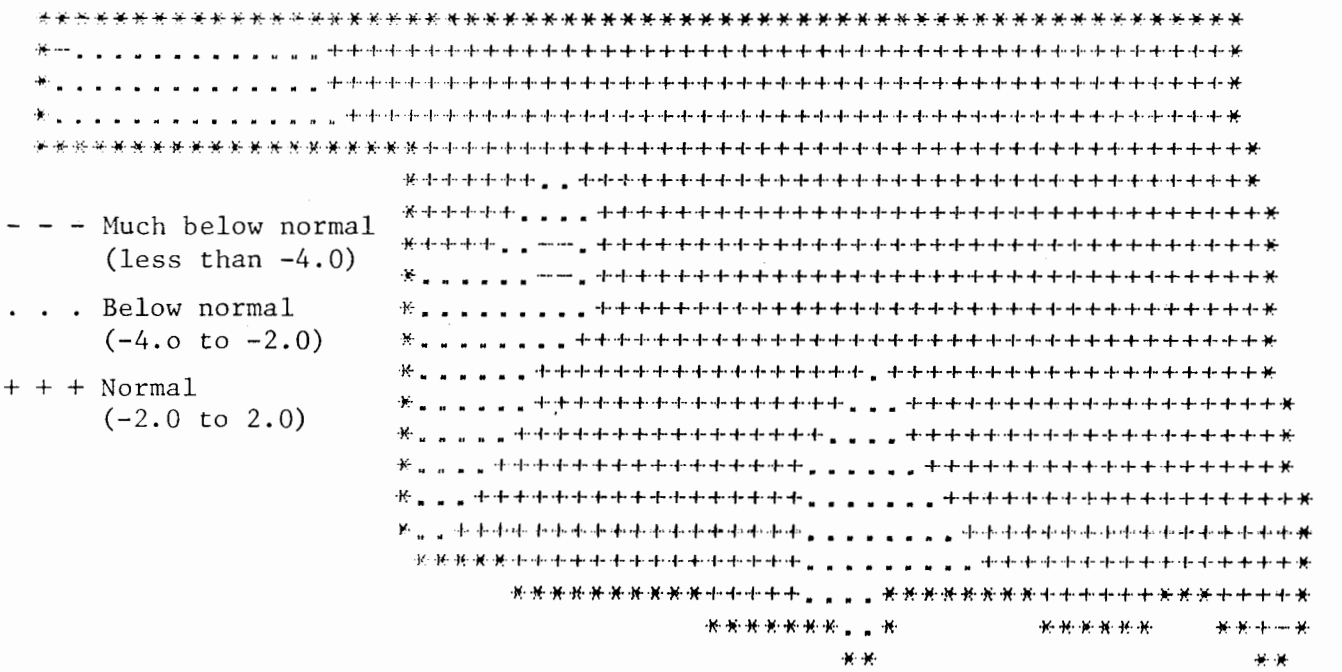
NOTE: 9999.0, 999.0, 99.99 indicate missing records.
.001 = Trace

JUNE 1987 CLIMATE DIVISION SUMMARY

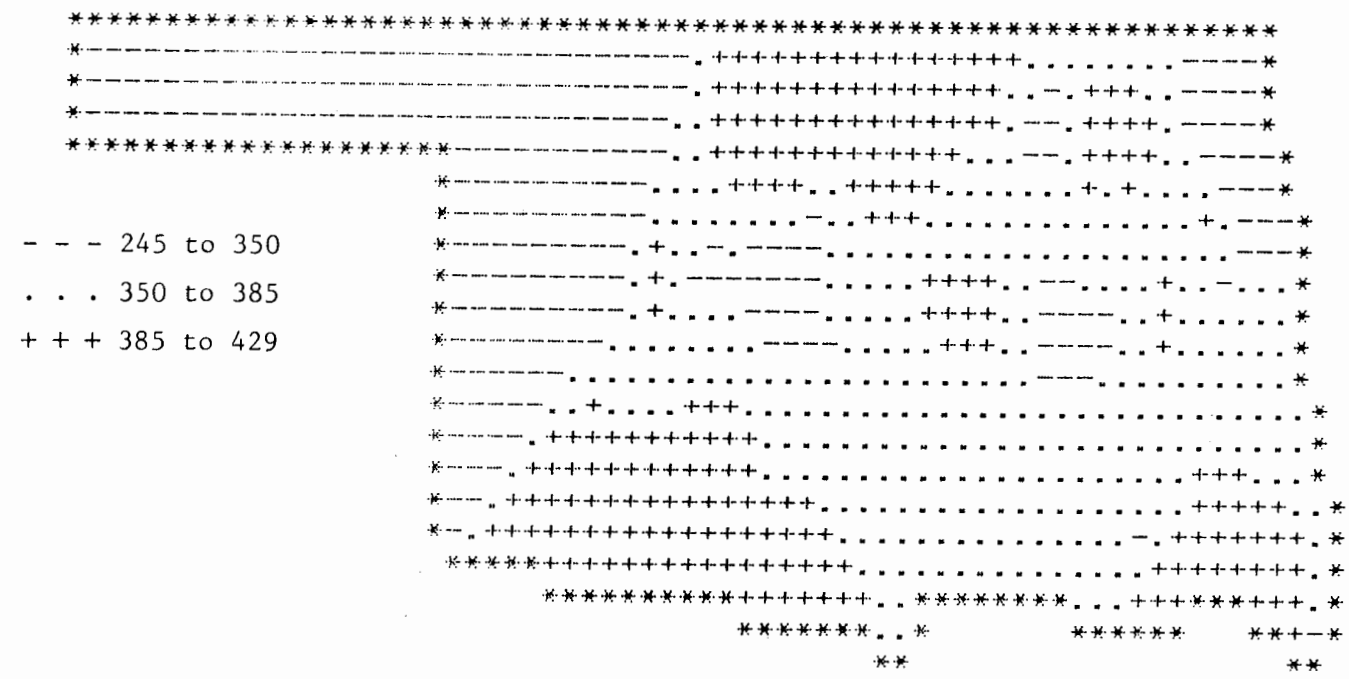
CLIMATE DIV	MEAN TEMP	NUM STA	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEGREE DAYS	DEV FROM NORM	COOL DEGREE DAYS	DEV FROM NORM	TOT PPT	NUM STA	DEV FROM NORM	MAX 24-HR	DAY
1	74.5	8	-1.1	104.0	17	44.0	4	2.4	-5.7	283.7	-45.2	12.23	13	9.50	99.91	31
2	77.6	14	-.4	102.0	14	50.0	4	0.0	-1.7	372.9	-17.6	4.21	25	.37	2.34	18
3	77.2	19	.6	102.0	13	47.0	6	0.0	-1.3	358.6	8.2	3.24	33	-1.27	2.70	3
4	76.3	11	-1.8	101.0	17	46.0	3	.5	-.3	335.9	-57.2	3.85	21	.48	1.91	3
5	77.4	12	-.4	100.0	13	51.0	7	0.0	0.0	362.8	-20.4	4.71	36	.80	3.24	1
6	77.0	11	-.3	96.0	14	50.0	4	0.0	0.0	357.3	-10.0	2.85	29	-1.43	2.75	23
7	77.7	9	-1.9	102.0	18	48.0	5	.1	.1	376.1	-63.4	4.56	24	1.42	4.15	11
8	77.4	13	-1.8	99.0	15	52.0	5	0.0	0.0	363.5	-62.5	4.42	28	.77	3.22	11
9	77.1	8	-.9	97.0	13	50.0	6	0.0	0.0	358.0	-33.0	3.62	16	-.28	2.25	1



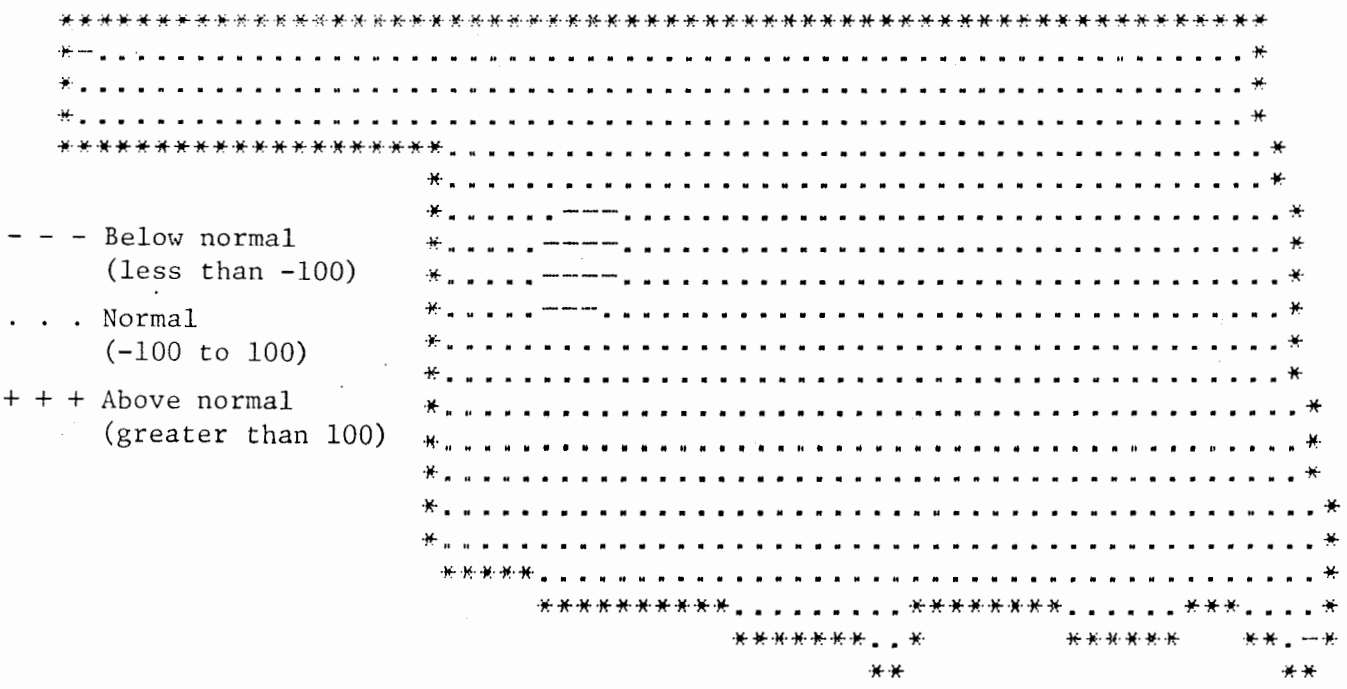
JUNE 1987 AVERAGE MONTHLY TEMPERATURE
(DEGREES F)



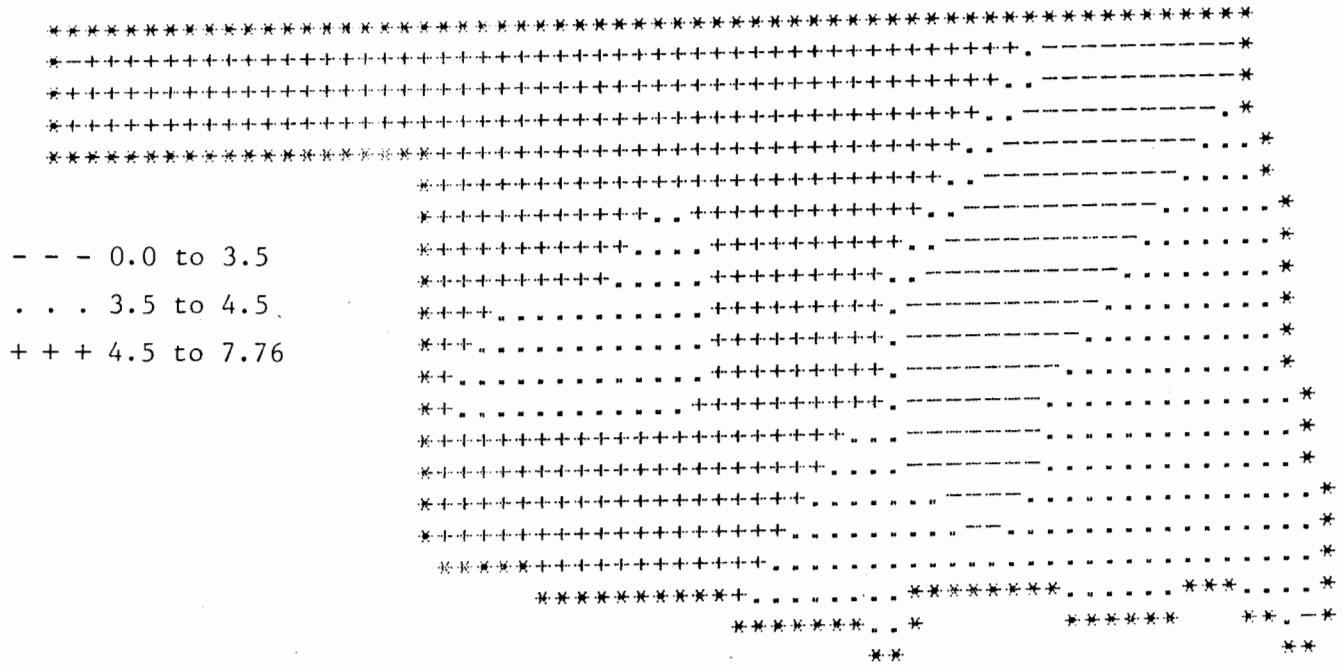
JUNE 1987 DEVIATION FROM NORMAL TEMPERATURES



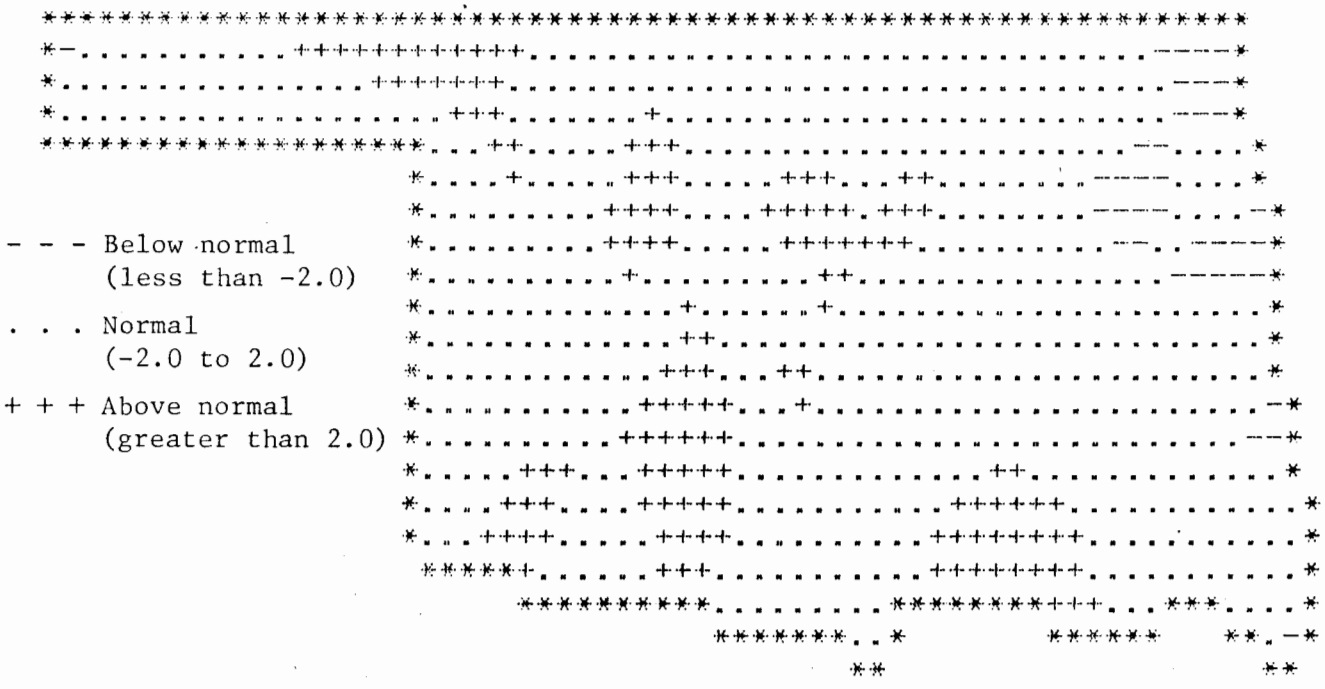
JUNE 1987 TOTAL COOLING DEGREE DAYS



JUNE 1987 DEVIATION FROM NORMAL COOLING DEGREE DAYS



JUNE 1987 TOTAL PRECIPITATION
(INCHES)



JUNE 1987 DEVIATION FROM NORMAL PRECIPITATION

AUGUST 1987
CLIMATE CALENDAR

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

Normal	1	Actual
92.9	max	
69.8	min	
.051	pcpn	
0	HDD	
17	CDD	
Highest Max		108-1930
Lowest Max		73-1950
Lowest Min		56-1971
Highest Min		83-1934
Greatest pcpn		.52-1950

Normal	2	Actual
93.0	max	
69.9	min	
.039	pcpn	
0	HDD	
17	CDD	
Highest Max		110-1980
Lowest Max		82-1973
Lowest Min		57-1971
Highest Min		81-1932
Greatest pcpn		1.01-1927

Normal	3	Actual
94.0	max	
70.3	min	
.019	pcpn	
0	HDD	
17	CDD	
Highest Max		106-1930
Lowest Max		78-1927
Lowest Min		59-1973
Highest Min		80-1943
Greatest pcpn		.47-1933

Normal	4	Actual
92.0	max	
70.1	min	
.073	pcpn	
0	HDD	
16	CDD	
Highest Max		104-1937
Lowest Max		75-1978
Lowest Min		58-1973
Highest Min		82-1980
Greatest pcpn		1.32-1985

Normal	5	Actual
94.4	max	
70.8	min	
.021	pcpn	
0	HDD	
18	CDD	
Highest Max		106-1964
Lowest Max		81-1978
Lowest Min		60-1949
Highest Min		79-1970
Greatest pcpn		.60-1976

Normal	6	Actual
95.1	max	
71.2	min	
.093	pcpn	
0	HDD	
18	CDD	
Highest Max		106-1929
Lowest Max		76-1971
Lowest Min		62-1949
Highest Min		80-1962
Greatest pcpn		1.38-1965

Normal	7	Actual
94.6	max	
70.8	min	
.116	pcpn	
0	HDD	
18	CDD	
Highest Max		107-1946
Lowest Max		84-1971
Lowest Min		60-1957
Highest Min		82-1951
Greatest pcpn		2.15-1939

Normal	8	Actual
94.4	max	
70.4	min	
.099	pcpn	
0	HDD	
18	CDD	
Highest Max		106-1970
Lowest Max		78-1939
Lowest Min		61-1957
Highest Min		82-1951
Greatest pcpn		1.27-1952

Normal	9	Actual
93.8	max	
69.4	min	
.121	pcpn	
0	HDD	
17	CDD	
Highest Max		109-1936
Lowest Max		75-1927
Lowest Min		59-1974
Highest Min		80-1970
Greatest pcpn		1.19-1974

Normal	10	Actual
93.6	max	
70.0	min	
.116	pcpn	
0	HDD	
17	CDD	
Highest Max		112-1936
Lowest Max		76-1929
Lowest Min		64-1959
Highest Min		81-1936
Greatest pcpn		1.18-1977

Normal	11	Actual
93.0	max	
69.1	min	
.030	pcpn	
0	HDD	
16	CDD	
Highest Max		113-1936
Lowest Max		73-1968
Lowest Min		59-1931
Highest Min		82-1936
Greatest pcpn		.75-1929

Normal	12	Actual
92.7	max	
68.4	min	
.047	pcpn	
0	HDD	
16	CDD	
Highest Max		110-1936
Lowest Max		81-1964
Lowest Min		56-1967
Highest Min		83-1936
Greatest pcpn		.55-1961

Normal	13	Actual
92.9	max	
69.2	min	
.080	pcpn	
0	HDD	
16	CDD	
Highest Max		107-1936
Lowest Max		80-1971
Lowest Min		54-1967
Highest Min		83-1936
Greatest pcpn		1.24-1968

Normal	14	Actual
92.9	max	
70.2	min	
.106	pcpn	
0	HDD	
17	CDD	
Highest Max		106-1956
Lowest Max		76-1985
Lowest Min		60-1967
Highest Min		79-1943
Greatest pcpn		1.43-1971

Normal	15	Actual
92.6	max	
70.2	min	
.267	pcpn	
0	HDD	
17	CDD	
Highest Max		107-1956
Lowest Max		77-1940
Lowest Min		61-1963
Highest Min		81-1954
Greatest pcpn		2.69-1945

Normal	16	Actual
93.5	max	
70.8	min	
.027	pcpn	
0	HDD	
17	CDD	
Highest Max		107-1956
Lowest Max		79-1964
Lowest Min		64-1963
Highest Min		81-1934
Greatest pcpn		1.42-1981

Normal	17	Actual
92.9	max	
70.2	min	
.036	pcpn	
0	HDD	
17	CDD	
Highest Max		105-1956
Lowest Max		76-1932
Lowest Min		62-1942
Highest Min		82-1934
Greatest pcpn		.93-1932

Normal	18	Actual
92.0	max	
69.4	min	
.170	pcpn	
0	HDD	
16	CDD	
Highest Max		103-1984
Lowest Max		78-1927
Lowest Min		57-1943
Highest Min		81-1934
Greatest pcpn		2.87-1966

Normal	19	Actual
90.4	max	
68.5	min	
.101	pcpn	
0	HDD	
15	CDD	
Highest Max		106-1934
Lowest Max		75-1927
Lowest Min		56-1932
Highest Min		80-1936
Greatest pcpn		.87-1977

Normal	20	Actual
90.9	max	
68.2	min	
.055	pcpn	
0	HDD	
15	CDD	
Highest Max		104-1934
Lowest Max		67-1950
Lowest Min		56-1950
Highest Min		81-1934
Greatest pcpn		1.38-1937

Normal	21	Actual
91.7	max	
67.8	min	
.141	pcpn	
0	HDD	
15	CDD	
Highest Max		103-1984
Lowest Max		80-1951
Lowest Min		51-1956
Highest Min		81-1934
Greatest pcpn		1.40-1983

Normal	22	Actual
90.1	max	
67.9	min	
.037	pcpn	
0	HDD	
14	CDD	
Highest Max		101-1936
Lowest Max		76-1961
Lowest Min		56-1956
Highest Min		79-1948
Greatest pcpn		3.17-1934

Normal	23	Actual
90.3	max	
67.8	min	
.091	pcpn	
0	HDD	
14	CDD	
Highest Max		105-1980
Lowest Max		70-1966
Lowest Min		59-1949
Highest Min		78-1936
Greatest pcpn		2.27-1934

Normal	24	Actual
91.1	max	
68.2	min	
.057	pcpn	
0	HDD	
15	CDD	
Highest Max		105-1963
Lowest Max		73-1966
Lowest Min		55-1961
Highest Min		78-1936
Greatest pcpn		.75-1972

Normal	25	Actual
91.4	max	
68.0	min	
.033	pcpn	
0	HDD	
15	CDD	
Highest Max		102-1936
Lowest Max		72-1934
Lowest Min		58-1966
Highest Min		78-1936
Greatest pcpn		1.81-1934

Normal	26	Actual
91.5	max	
67.4	min	
.026	pcpn	
0	HDD	
15	CDD	
Highest Max		101-1938
Lowest Max		76-1934
Lowest Min		55-1962
Highest Min		78-1936
Greatest pcpn		.42-1948

Normal	27	Actual
91.5	max	
68.4	min	
.045	pcpn	
0	HDD	
15	CDD	
Highest Max		103-1984
Lowest Max		80-1946
Lowest Min		58-1944
Highest Min		78-1936
Greatest pcpn		1.53-1941

Normal	28	Actual
90.8	max	
68.5	min	
.088	pcpn	
0	HDD	
15	CDD	
Highest Max		104-1982
Lowest Max		76-1944
Lowest Min		52-1944
Highest Min		78-1938
Greatest pcpn		1.28-1959

Normal	29	Actual
90.3	max	
68.4	min	
.089	pcpn	
0	HDD	
15	CDD	
Highest Max		106-1934
Lowest Max		70-1935
Lowest Min		57-1931
Highest Min		75-1937
Greatest pcpn		2.33-1935

Normal	30	Actual
90.6	max	
68.0	min	
.011	pcpn	
0	HDD	
15	CDD	
Highest Max		105-1947
Lowest Max		74-1968
Lowest Min		54-1946
Highest Min		75-1956
Greatest pcpn		1.32-1928

Normal	31	Actual
88.9	max	
66.8	min	
.222	pcpn	
0	HDD	
13	CDD	
Highest Max		104-1947
Lowest Max		72-1986
Lowest Min		57-1968
Highest Min		76-1952
Greatest pcpn		2.35-1966