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 SEPTEMBER 1987

Slightly below normal temperatures prevailed in Oklahoma this month producing a monthly mean approximately 2.0 degrees below normal. As a result, cooling degree days were reduced by nearly one-third, high temperatures remained milder (reaching 90 on far fewer days than normal- see Table 1), and row crop development slowed slightly. Near normal precipitation fell during the first two weeks of the month, aiding immature row crops and seeding wheat. During the second half of the month, however, Oklahoma suffered excessive rains, including a wheat-devastating event on the 28th. The abundant moisture also created a health problem by encouraging an explosive production of microscopic, allergy-irritating mold spores and ragweed pollen. Mold and pollen counts were triple the number of the highest 1986 counts.

Almost every observing station reported its highest temperature during the first, and warmest, week of the month. Scattered showers produced only quarter-inch or less weekly precipitation averages for all CD's. The southeastern third of the State recorded no rainfall.

The State experienced a significant rain-producing storm on the 9th as an upper level trough moved across northern Oklahoma, the area most affected. Strong thunderstorms produced hail in Major and Tulsa counties. The National Weather Service (NWS) estimated that over 2 inches of rain fell in less than an hour in northwestern sections of Oklahoma. Rainfall reports (in inches) included Great Salt Plains 2.45, Enid 1.38, Waynoka 1.77, and Pryor 1.42. The storm system weakened as it moved southeastward out of the State.

Southern Oklahoma received its share of rain and stormy weather on the 14th when severe thunderstorms struck the area. The NWS issued a tornado watch covering 24 south central Oklahoma counties, and issued severe thunderstorm and flash flood warnings for Love and Marshall Counties. Madill reported 2.87", Daisy 2.95", and Ada, where winds gusted to 65 mph, 2.72".

The following day (the 15th), Oklahoma experienced damaging, possibly-tornadic weather. A strong upper level low over western Oklahoma and a surface dry line over central Oklahoma aided the development of thunderstorms which produced hail, violent wind, and funnels. Golfball-size hail fell in Canadian County and 3/4" hail was reported in Oklahoma County. Guthrie experienced 70 mph winds, and strong winds in the Miami area damaged 15 homes. Two tornado watches encompassed 54 of Oklahoma's 77 counties. Unconfirmed tornado reports came from observers in Logan and Oklahoma Counties and from radar for Payne and Oklahoma Counties.

Additional dangerous storms battered western and central Oklahoma with small hail, strong winds, and lightning on the 18th. Lightning struck and killed two men in Leflore County. Dime size hail was reported in Comanche County, and El Reno experienced hail accompanied by 60 mph winds as a front moved through the State.

Several days of near normal precipitation and temperatures were followed by perhaps the most damaging storm of the month occurring overnight on the 27th-28th. A very strong surface front dominated the State's weather. Thunderstorm rains of over 6 inches inundated more than 30,000 acres of wheat fields in northern Oklahoma. Replanting would not be likely for two weeks and only if no additional rain falls. Any more rain could postpone the date until the lower yield generating dates of late October or even the last planting date of November 1st. Many stations received their greatest one day precipitation on the 28th (see Table 2). The storm system also produced hail in Dewey, Major, and Ellis Counties. Cold air entered the State behind the front and numerous stations recorded their lowest September temperature. Each CD experienced a reading in the 40's on the 30th when the lowest temperature of the month, 43 degrees, occurred at several stations including Vinita, Bristow, Sallisaw, and Poteau.

TABLE 1

Number of Days with Temperature of 90 Degrees or Greater for Selected Stations

CD	Station	September 1987	30 Year September Average
1	Gage	2	11
2	Enid	3	11
3	Tulsa	5	10
4	Weatherford	6	11
5	Oklahoma City	5	9
6	McAlester	6	10
7	Lawton	7	14
8	Ardmore	2	14
9	Idabel	11	11

TABLE 2

Precipitation Amounts Recorded September 28th for Selected Oklahoma Stations which Received Their Greatest September One-Day Precipitation Amounts from the 27th-28th Storm.

CD	Station	Amount (inches)
1	Laverne	2.02
2	Great Salt Plains	3.96
2	Newkirk	6.30
2	Renfrow	5.10
3	Barnsdall	5.00
3	Hominy	5.74
4	Thomas	2.13
6	Hanna	1.24
7	Altus Dam	1.63
9	Bengal	2.14

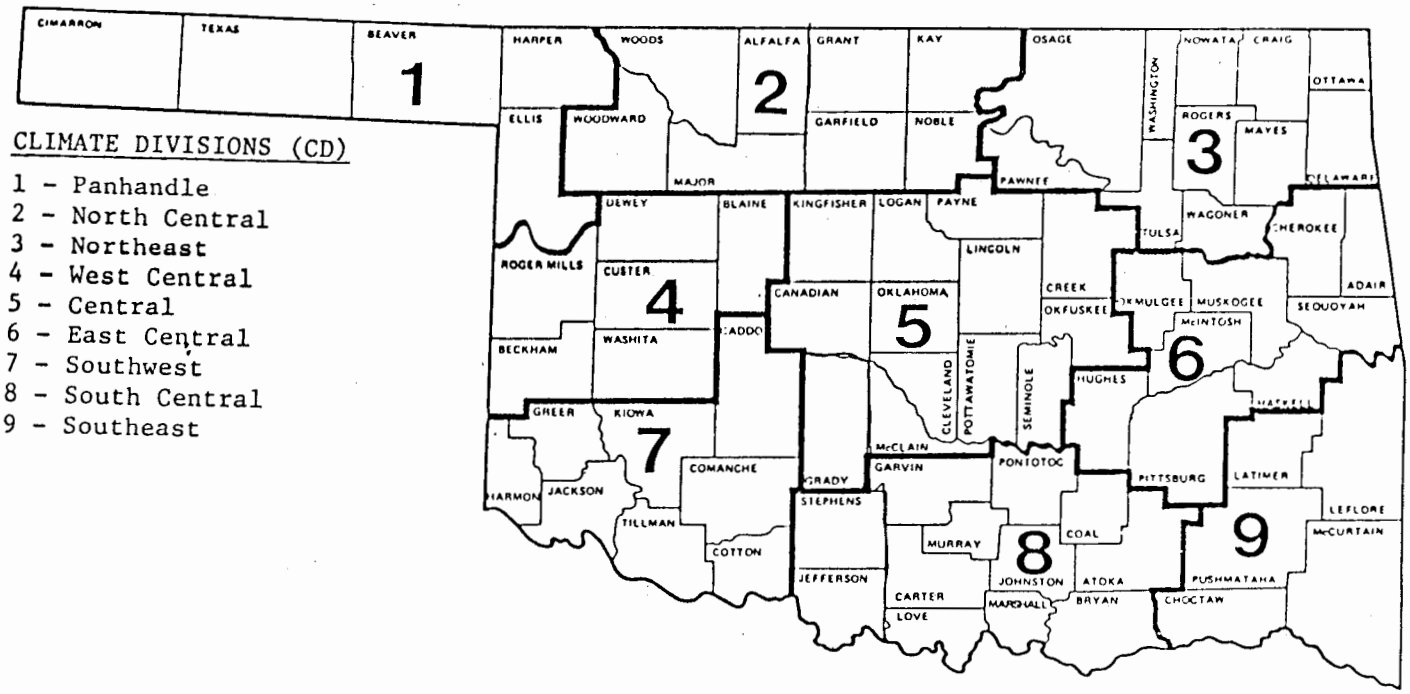
TABLE OF 1986/1987 COMPARISONS

Station	September Temperatures (F) 1986	1987	September Precipitation (in.) 1986	1987
Goodwell	76.1	67.0	2.745	3.552
Enid	75.4	72.6	7.210	5.410
Mutual	71.8	70.1	3.550	2.190
Tulsa	74.9	72.9	7.855	3.521
Elk City	71.7	70.9	9.003	3.172
Oklahoma City	74.9	72.9	7.904	4.612
McAlester	80.1	72.8	3.111	5.241
Altus Irr. Sta.	75.6	74.3	5.960	*
Durant	77.5	72.5	5.190	5.880
Ada	75.3	72.8	4.205	6.470
Antlers	75.5	73.2	1.080	2.610

EXTREMES

Variable	Station	Division	Observation	Date
Mimimum temperature (F)	El Reno	5	41	30
Maximum temperature (F)	Claremore	3	100	5
Maximum 24-hour	Newkirk	2	6.30"	28

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:

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

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 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.

SEPTEMBER 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	69.5	29	-1.4	92.	2	50.	30	5.5	-25.5	135.5	-72.5	3.420	30	1.51	.91	18
BUFFALO	1243	1	71.1	30	-2.1	96.	3	45.	30	11.0	-8.0	195.0	-70.0	6.880	30	4.08	2.10	26
FARGO	3070	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.381	30	1.56	1.53	28
GAGE	3407	1	70.1	30	-1.2	90.	4	47.	30	11.5	-14.5	165.5	-49.5	3.524	30	1.92	1.53	28
GATE	3489	1	70.2	29	999.0	96.	2	48.	21	7.5	9999.0	159.0	9999.0	4.560	30	99.99	1.40	27
GOODWELL RES STA	3628	1	67.0	29	-2.5	93.	3	46.	30	24.5	-14.5	83.0	-91.0	3.552	30	2.28	1.25	18
GUYMON	3835	1	69.6	26	999.0	95.	4	47.	29	11.0	9999.0	129.5	9999.0	2.610	27	99.99	1.02	18
HOOKER	4298	1	68.5	29	-1.4	94.	3	45.	30	17.0	-12.6	118.0	-58.0	3.520	30	1.56	1.74	19
LAVERNE	5045	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.383	30	2.37	2.02	28

SEPTEMBER 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	70.8	30	-2.3	96.	2	44.	22	8.0	-12.0	183.5	-82.5	4.080	30	1.61	1.24	28
VANCE AFB	302	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.932	29	99.99	1.75	28
BILLINGS	755	2	71.0	29	999.0	93.	4	47.	30	4.0	9999.0	177.0	9999.0	6.411	30	2.19	2.90	28
BLACKWELL	818	2	72.7	30	999.0	97.	3	47.	22	6.5	9999.0	237.5	9999.0	3.803	30	99.99	2.48	28
BRAMAN	1075	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.922	30	99.99	3.21	28
CEDARDALE	1620	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.373	30	99.99	1.14	18
CHEROKEE	1724	2	73.3	30	-.2	96.	3	49.	22	4.0	-11.0	253.5	-16.5	7.441	30	4.77	4.00	27
ENID	2912	2	72.6	30	-1.2	93.	3	45.	23	5.5	-9.5	234.0	-45.0	5.410	30	2.20	2.09	28
FT. SUPPLY DAM	3304	2	69.3	29	-2.9	91.	2	48.	30	8.5	-16.5	133.0	-108.0	3.722	30	1.75	1.62	29
FREEDOM	3358	2	71.0	30	999.0	96.	5	46.	30	9.0	9999.0	189.5	9999.0	4.441	30	99.99	1.24	12
GREAT SALT PLAINS	3740	2	72.1	29	999.0	95.	3	50.	30	3.0	9999.0	209.0	9999.0	8.980	30	6.00	3.96	28
HARDY	3909	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.085	30	99.99	2.40	27
HELENA	4019	2	71.4	29	999.0	94.	3	51.	24	1.5	9999.0	186.0	9999.0	5.063	30	2.19	3.40	28
JEFFERSON	4573	2	72.4	30	-1.2	95.	4	47.	22	6.0	-9.0	229.5	-43.5	9.650	30	6.52	5.25	27
LAHOMA AG ST.	4950	2	72.3	29	999.0	86.	4	59.	30	0.0	9999.0	211.0	9999.0	0.000	30	99.99	0.00	30
LAMONT	5013	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.511	30	99.99	3.66	28
MEDFORD	5768	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.830	30	99.99	3.09	28
MORRISON	6065	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.720	30	99.99	1.95	28
MUTUAL	6139	2	70.1	29	-2.2	94.	3	49.	30	8.5	-9.5	155.0	-82.0	2.190	30	-.29	1.62	18
NEWKIRK	6278	2	72.3	30	-.5	94.	3	48.	30	4.5	-17.5	223.5	-32.5	7.021	30	3.48	6.30	28
ORIENTA	6751	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.380	30	99.99	1.75	10
PERRY	7012	2	73.8	30	-.4	94.	3	48.	30	5.0	-10.0	269.0	-22.0	4.360	30	.62	1.20	28
RENFROW	7556	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.100	30	4.89	5.10	28
WAYNOKA	9404	2	70.7	30	-2.7	93.	3	45.	22	12.0	-4.0	183.5	-84.5	4.930	30	2.43	1.77	10
RED ROCK	7505	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.040	30	2.32	3.06	28
PONCA CITY	7201	2	72.3	26	.0	95.	4	48.	30	9.5	-18.5	199.5	-47.5	2.120	27	-1.72	.81	10
WOODWARD	9760	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.592	30	1.56	.90	12

SEPTEMBER 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	70.0	30	999.0	92.	4	44.	30	16.5	9999.0	167.0	9999.0	6.962	30	2.24	5.00	28
BARTLESVILLE	548	3	70.8	30	-2.0	93.	5	45.	23	9.5	-8.5	184.0	-68.0	2.593	30	-1.54	1.25	28
BIXBY	782	3	71.1	29	-1.6	94.	17	44.	30	5.0	-16.0	182.0	-70.0	3.480	30	-.87	1.00	10
BURBANK	1256	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.781	30	99.99	3.50	28
CHELSEA	1717	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.710	30	99.99	1.34	28
CLAREMORE	1828	3	79.2	26	6.5	100.	5	48.	30	0.0	-26.0	368.5	111.5	4.370	30	.49	1.70	28
CLEVELAND	1902	3	71.7	25	999.0	95.	3	46.	30	6.5	9999.0	175.0	9999.0	7.350	27	99.99	2.48	28
FORAKER	3250	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.310	30	1.23	3.47	28
HOLLOW	4258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.661	30	-1.18	1.65	28
HOMINY	4289	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.290	30	3.81	5.74	28
HULAH DAM	4393	3	68.5	16	-3.5	93.	7	45.	24	11.0	-18.0	67.5	-171.5	2.522	30	-1.31	.84	8
JAY TOWER	4567	3	70.8	30	999.0	92.	8	46.	23	14.5	9999.0	188.5	9999.0	3.590	30	99.99	1.47	28
KANSAS	4672	3	70.0	30	999.0	89.	5	48.	23	13.5	9999.0	164.5	9999.0	5.210	30	99.99	2.31	29
LENAPAH	5118	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.770	30	99.99	1.24	28
MANNFORD 6NW	5522	3	69.9	30	999.0	95.	3	45.	23	13.0	9999.0	161.5	9999.0	3.980	30	99.99	.68	13
MARAMEC	5540	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.340	30	2.42	2.22	28
NOWATA	6485	3	70.9	28	-2.0	92.	4	48.	23	8.5	-12.5	173.0	-85.0	4.550	28	.24	3.10	28
MIAMI	5855	3	69.0	29	-3.6	90.	3	46.	24	7.5	-19.5	123.5	-131.5	4.571	30	-.03	1.83	28
ONETA	6713	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.530	30	99.99	1.27	10
PAWHUSKA	6935	3	71.0	30	-1.6	92.	3	45.	23	11.5	-12.5	191.0	-61.0	6.252	30	2.14	4.22	28
PAWNUSKA	6937	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.970	30	99.99	3.02	28
PAWNEE	6940	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.801	30	2.43	3.50	28
PRYOR	7309	3	69.5	29	-3.1	91.	4	45.	23	9.0	-15.0	138.5	-113.5	3.850	30	-.31	1.42	10
QUAPAW	7358	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.000	30	1.20	2.70	29
RALSTON	7390	3	72.1	30	999.0	95.	4	46.	30	6.0	9999.0	220.0	9999.0	5.441	30	1.58	2.45	28
RAMONA	7394	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.710	30	99.99	4.26	29
SKIATOOK	8258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.221	30	.89	2.81	28
SPAVINAW	8380	3	71.9	30	999.0	90.	5	46.	30	7.5	9999.0	216.0	9999.0	2.641	30	-1.74	.65	28
TULSA	8992	3	72.9	30	-.9	92.	5	51.	30	4.0	-14.0	241.0	-41.0	3.521	30	-.85	1.60	13
UPPER SPAVINAW	9101	3	73.6	28	999.0	96.	3	48.	30	0.0	9999.0	240.0	9999.0	5.304	30	99.99	2.25	29
VINITA	9203	3	70.3	29	-2.0	90.	6	43.	23	16.0	-11.0	170.5	-75.5	2.260	29	-2.49	.75	16
WAGONER	9247	3	71.5	30	-2.4	90.	4	48.	30	10.0	-7.0	204.5	-79.5	3.541	30	-.55	1.52	29
WANN	9298	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.150	30	99.99	.72	28
WYNONA	9792	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.711	30	99.99	4.52	27

NOTE: 9999.0, 999.0, 99.99 indicates missing data Trace = .001

SEPTEMBER 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	70.8	29	-2.6	93.	3	49.	22	7.5	-7.5	175.5	-91.5	4.790	30	1.66	1.42	18
CHEYENNE	1738	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.251	30	99.99	.95	12
CLINTON	1909	4	72.9	30	-.7	96.	3	50.	30	3.5	-12.5	242.0	-32.0	4.270	30	1.27	1.90	21
COLONY	2039	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.140	30	99.99	1.85	21
CORDELL	2125	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.132	30	1.33	1.55	21
ELK CITY	2849	4	70.9	24	999.0	90.	14	50.	30	4.0	9999.0	145.0	9999.0	3.172	25	.59	1.39	20
ERICK	2944	4	70.5	30	-2.6	89.	3	50.	30	1.0	-12.0	167.0	-89.0	4.400	30	1.59	1.67	21
GEARY	3497	4	70.4	30	-3.4	89.	5	50.	30	8.0	-11.0	170.0	-113.0	4.081	30	.86	1.10	28
HAMMON	3871	4	70.4	29	-2.1	92.	3	48.	30	6.5	-15.5	164.5	-82.5	3.500	30	.79	1.20	21
LEEDEY	5090	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.190	30	1.96	1.94	21
MACKIE	5463	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.250	30	99.99	1.23	21
MORAVIA	6035	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.860	30	2.09	1.78	18
OKEENE	6629	4	72.5	30	-1.8	93.	3	51.	30	2.0	-15.0	227.5	-68.5	6.330	30	3.40	2.36	18
RETROP	7565	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.570	30	99.99	1.96	18
REYDON	7579	4	70.7	30	999.0	90.	3	46.	30	9.5	9999.0	182.0	9999.0	3.891	30	1.55	.88	12
SAYRE	7952	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.800	30	.36	1.23	21
TALOGA	8708	4	71.1	30	-1.5	95.	3	46.	22	8.0	-11.0	190.0	-57.0	3.572	30	.94	1.00	28
THOMAS	8815	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.020	30	99.99	1.15	28
VICI	9172	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.822	30	99.99	2.13	28
WATONGA	9364	4	71.5	30	999.0	92.	3	48.	30	8.5	9999.0	202.5	9999.0	4.080	30	1.13	1.20	18
WEATHERFORD	9422	4	71.8	29	-1.9	93.	4	50.	23	2.5	-12.5	199.5	-76.5	4.183	30	.90	1.22	28

NOTE: 9999.0, 999.0, 99.99 indicates missing data. Trace = .001

SEPTEMBER 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	DEV 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	3.740	30	99.99	1.71	10
ARCADIA	288	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.110	30	99.99	2.46	28
TINKER AFB	325	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.322	29	99.99	.95	16
CHANDLER	1684	5	72.2	30	-1.8	92.	4	48.	30	5.5	-12.5	223.0	-68.0	3.900	30	.11	.85	28
CHICKASHA	1750	5	71.5	30	-2.4	91.	4	49.	30	4.0	-9.0	199.5	-80.5	5.641	30	2.16	2.10	10
COX CITY	2196	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.960	30	99.99	2.40	9
CRESCENT	2242	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.640	30	99.99	1.17	27
CUSHING	2318	5	72.9	20	-.7	93.	3	54.	24	0.0	-20.0	158.5	-119.5	5.710	30	1.82	1.48	16
BRISTOW	1144	5	71.6	28	-2.1	94.	5	43.	30	10.0	-12.0	195.5	-87.5	3.960	30	-.04	1.01	27
EL RENO	2818	5	71.6	30	-1.8	92.	3	41.	30	12.0	-3.0	211.0	-56.0	4.110	30	.50	1.05	21
GUTHRIE	3821	5	73.2	30	-.9	94.	5	50.	23	5.0	-10.0	249.5	-38.5	6.320	30	2.34	1.93	18
HENNESSEY	4055	5	72.1	30	-1.8	95.	3	51.	23	4.0	-10.0	215.5	-65.5	5.481	30	2.09	1.52	27
INGALLS	4489	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.133	30	99.99	1.15	28
KINGFISHER	4861	5	71.9	30	-2.3	92.	3	48.	30	7.0	-7.0	213.0	-77.0	4.330	30	.73	1.33	18
KINGFISHER CREEK	4862	5	72.1	29	999.0	92.	2	48.	30	.5	9999.0	206.0	9999.0	4.330	30	99.99	1.33	18
KINGFISHER UJC	4864	5	72.0	29	999.0	92.	2	48.	30	.5	9999.0	204.5	9999.0	4.330	30	99.99	1.33	18
KONAWA	4915	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.540	30	-.58	.64	10
MARSHALL	5589	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.870	30	3.36	1.30	27
MEEKER	5779	5	71.4	30	-2.3	92.	5	48.	30	9.5	-7.5	202.0	-76.0	7.230	30	3.37	1.98	27
MULHALL	6110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.880	30	99.99	1.34	18
NORMAN	6386	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.450	30	1.72	1.49	10
OILTON	6616	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.180	30	99.99	1.17	16
OKEMAH	6638	5	71.6	30	-2.5	92.	4	51.	30	4.5	-12.5	203.5	-86.5	4.340	30	.54	1.85	28
OKLAHOMA CITY	6661	5	72.9	30	-.4	91.	4	52.	30	2.5	-12.5	240.5	-23.5	4.612	30	1.20	.78	10
PERKINS	7003	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.800	30	2.58	2.03	18
PIEDMONT	7068	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.600	30	99.99	1.10	15
PRAGUE	7264	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.862	30	1.07	1.70	27
PURCELL	7327	5	71.8	30	-2.4	92.	5	46.	23	6.0	-6.0	210.0	-78.0	6.092	30	2.12	2.58	18
SEMINOLE	8042	5	73.8	30	-1.4	94.	3	49.	24	.5	-9.5	265.0	-51.0	5.001	30	.98	1.00	28
SHAWNEE	8110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.720	30	-.02	.75	7
STELLA	8479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.880	30	99.99	1.22	7
STILLWATER	8501	5	71.4	29	-1.7	93.	4	47.	23	5.5	-12.5	192.5	-68.5	4.410	30	.48	1.11	18
STROUD	8563	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.052	30	99.99	1.00	16
TECUMSEH	8751	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.250	30	99.99	1.27	18
TROUSDALE	8960	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.180	30	99.99	.74	12
UNION CITY	9086	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.590	30	.83	1.11	10
WELTY	9479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.400	30	99.99	.80	28
WEWOKA	9575	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.540	30	-.58	1.04	18

NOTE: 9999.0, 999.0, 99.99 indicates missing data. Trace = .001

SEPTEMBER 1987 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

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
ASHLAND	364	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.590	30	99.99	1.20	15
BEGGS	631	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.420	30	99.99	.90	16
BOYNTON	1027	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.530	30	99.99	1.10	16
CALVIN	1391	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.016	30	1.70	1.79	15
CHECOTAH	1711	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.731	30	-.73	1.17	16
DEWAR	2485	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.100	30	-1.21	.91	10
DUSTIN	2690	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.620	30	99.99	1.64	28
EUFAULA	2993	6	72.3	30	999.0	92.	4	51.	30	3.5	9999.0	224.0	9999.0	3.421	30	-.78	.67	19
HANNA	3884	6	71.7	30	999.0	92.	5	48.	30	6.5	9999.0	207.0	9999.0	4.210	30	.05	1.24	28
HARTSHORNE	3946	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.241	30	99.99	1.87	16
HOLDENVILLE	4235	6	71.9	30	-2.7	91.	14	48.	30	5.0	-6.0	211.5	-87.5	3.720	30	-.28	.91	29
LYONS	5437	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.462	30	1.20	2.85	12
MCALESTER	5664	6	72.8	28	-1.4	93.	4	48.	30	9.0	-7.0	226.5	-65.5	5.241	29	.28	2.25	16
MCCURTAIN	5693	6	72.4	30	999.0	91.	5	48.	23	6.0	9999.0	229.0	9999.0	3.533	30	-.93	1.00	19
MUSKOGEE	6130	6	72.1	30	-2.1	92.	3	47.	23	6.5	-10.5	220.0	-73.0	3.440	30	-.68	1.77	15
OKTAHA	6678	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.520	30	99.99	1.01	16
QUINTON	7372	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.801	30	.39	1.87	15
SALLISAW	7862	6	71.6	30	-2.6	93.	5	43.	30	11.5	1.5	208.0	-78.0	4.002	30	-.41	1.30	13
SCIPIO	7979	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.630	30	99.99	1.10	28
SCRAPER	7993	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.310	30	99.99	1.89	13
SHORT	8170	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.070	30	99.99	1.96	29
HASKELL	3956	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.790	30	-.18	.76	28
STILWELL	8506	6	69.3	30	999.0	90.	6	44.	30	16.5	9999.0	147.0	9999.0	5.072	30	.76	2.21	16
TAHLEQUAH	8677	6	69.9	30	-3.0	91.	5	44.	30	15.0	-9.0	161.5	-99.5	6.420	30	2.08	2.27	13
WEBBERS FALLS	9445	6	70.7	29	-2.8	91.	5	46.	30	4.0	-11.0	170.5	-99.5	3.930	30	-.41	1.40	16
WESTVILLE	9523	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.350	30	99.99	.95	29
WETUMKA	9571	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.493	30	.47	1.18	15

NOTE: 9999.0, 999.0, 99.99 indicates missing data. Trace = .001

SEPTEMBER 1987 SUMMARY FOR SOUTHWEST DIVISION (CD7)

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
ALTUS IRR STA.	179	7	74.3	30	-1.1	94.	13	51.	30	2.5	-4.5	281.0	-38.0	0.000	30	-2.85	0.00	30
ALTUS DAM	184	7	73.4	29	999.0	93.	4	53.	19	0.0	9999.0	245.0	9999.0	4.560	30	1.82	1.63	28
ANADARKO	224	7	71.3	26	-3.2	93.	4	47.	22	7.0	-6.0	170.0	-128.0	3.620	27	.28	1.06	10
APACHE	260	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.210	30	99.99	2.81	18
ALTUS AFB	447	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.124	29	99.99	1.14	21
CARNEGIE	1504	7	72.1	30	-2.3	93.	3	47.	30	6.0	-8.0	220.0	-76.0	4.300	30	.94	1.83	21
CHATTANOOGA	1706	7	74.2	30	-1.5	93.	17	54.	30	0.0	-8.0	274.5	-54.5	4.410	30	1.34	2.02	18
DUNCAN	2668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.350	30	99.99	1.85	18
FREDERICK	3353	7	73.8	29	-2.8	93.	14	56.	22	0.0	-7.0	256.5	-98.5	3.680	30	.68	1.18	18
GRANDFIELD	3709	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.440	30	.99	1.80	18
HOBART	4204	7	72.9	30	-.9	93.	4	51.	30	3.5	-12.5	240.5	-39.5	2.882	30	.01	.80	21
HOLLIS	4249	7	73.7	29	-1.6	95.	3	46.	29	0.0	-6.0	251.0	-64.0	1.880	30	-.80	.77	15
LAWTON	5063	7	72.8	29	-2.3	93.	2	49.	30	1.0	-5.0	226.0	-83.0	4.100	30	1.12	1.70	17
FT.SILL	5068	7	71.8	29	999.0	91.	3	52.	23	1.5	9999.0	198.0	9999.0	3.914	30	.93	1.56	18
LOCO	5247	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.290	30	99.99	1.13	18
LOOKEBA	5329	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.290	30	99.99	1.41	28
MANGUM RES.	5509	7	73.8	30	-1.1	98.	3	53.	30	0.0	-6.0	264.0	-39.0	3.230	30	.45	1.28	21
RANDLETT	7403	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.501	30	99.99	2.00	18
ROOSEVELT	7727	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.890	30	.11	1.00	12
SEDAN	8016	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.410	30	99.99	1.03	21
SNYDER	8299	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.782	30	1.97	2.20	18
VINSON	9212	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.730	30	.86	1.60	12
WALTERS	9278	7	73.7	30	-2.5	93.	18	51.	30	1.0	-12.0	263.0	-86.0	3.240	30	-.02	1.33	18
WICHITA MT.	9629	7	72.2	29	-1.5	95.	4	48.	30	1.0	-12.0	211.0	-63.0	3.990	30	.88	1.53	21
WILLOW	9668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.990	30	99.99	1.53	21

NOTE: 9999.0, 999.0, 99.99 indicates missing records

SEPTEMBER 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	72.8	30	-1.7	94.	4	47.	30	4.0	-8.0	239.5	-60.5	6.470	30	2.46	2.72	15
ALLEN	147	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.360	30	99.99	2.50	14
ARDMORE	292	8	74.1	30	-3.1	91.	3	51.	30	1.0	1.0	272.5	-98.5	5.960	30	2.03	2.64	15
ATOKA DAM	394	8	74.1	29	999.0	95.	4	52.	24	0.0	9999.0	265.0	9999.0	4.120	30	99.99	1.37	15
BOKCHITO	917	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.430	30	99.99	3.50	15
CANEY	1437	8	73.1	29	999.0	92.	4	53.	23	0.0	9999.0	233.5	9999.0	3.590	30	99.99	1.43	15
CENTRAHOMA	1648	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.190	30	99.99	1.85	15
CHICKASAW	1745	8	71.9	29	999.0	93.	5	44.	30	5.5	9999.0	204.5	9999.0	6.280	30	99.99	1.80	18
COLEMAN	2011	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.450	30	99.99	2.20	15
COMANCHE	2054	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.050	30	99.99	1.67	29
DAISY	2354	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.112	30	.41	2.95	15
DURANT	2678	8	72.5	29	999.0	94.	12	49.	30	3.0	9999.0	220.0	9999.0	5.880	30	.27	2.92	15
ELMORE CITY	2872	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.801	30	99.99	1.65	10
FARRIS	3083	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.520	30	99.99	2.09	15
GRADY	3688	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.920	30	99.99	1.90	15
HEALDTON	4001	8	73.2	30	999.0	91.	5	48.	23	2.5	9999.0	247.0	9999.0	3.780	30	-.31	1.30	18
HENNEPIN	4052	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.720	30	99.99	1.13	27
KINGSTON	4865	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.440	30	1.77	2.65	14
LEHIGH	5108	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.971	30	99.99	1.50	15
LINDSAY	5216	8	72.8	30	999.0	97.	5	50.	30	3.5	9999.0	236.5	9999.0	5.272	30	1.47	2.15	18
MADILL	5468	8	73.5	30	-2.4	92.	4	50.	23	1.0	-6.0	256.5	-77.5	6.970	30	2.37	2.87	15
MARIETTA	5563	8	74.5	30	-1.4	94.	4	50.	23	0.0	-10.0	285.5	-51.5	6.370	30	2.38	2.52	15
MARLOW	5581	8	72.9	30	999.0	91.	13	48.	23	2.0	9999.0	240.0	9999.0	4.291	30	.63	1.34	18
MCGEE CREEK	5713	8	73.7	29	999.0	96.	4	50.	23	0.0	9999.0	251.0	9999.0	4.101	30	99.99	2.16	15
OSWALT	6787	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.320	30	99.99	3.20	15
PAULS VALLEY	6926	8	72.6	30	-3.0	93.	4	47.	23	6.0	-3.0	232.5	-94.5	4.740	30	1.07	1.16	10
PONTOTOC	7214	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.380	30	2.26	2.00	14
TISHOMINGO	8884	8	73.0	17	999.0	93.	2	46.	23	0.0	9999.0	136.5	9999.0	5.200	22	.33	2.01	15
TUSSY	9032	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.670	30	99.99	1.74	18
WAURIKA	9395	8	74.6	30	-1.9	99.	10	51.	30	0.0	-6.0	289.0	-62.0	2.780	30	-.62	.97	18
WAURIKA DAM	9399	8	74.0	21	999.0	96.	1	54.	27	0.0	9999.0	188.0	9999.0	2.981	25	99.99	.89	18

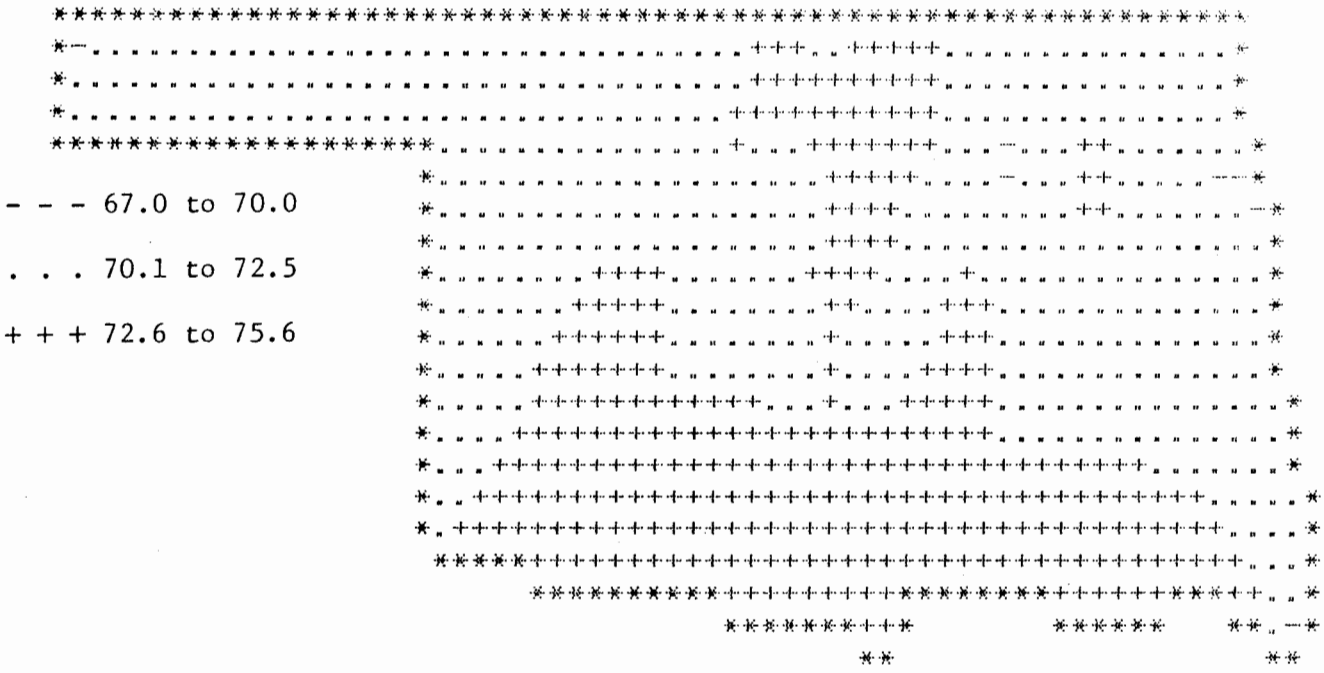
NOTE: 9999.0, 999.0, 99.99 indicates missing data Trace = .001

SEPTEMBER 1987 SUMMARY FOR SOUTHEAST DIVISION (CD9)

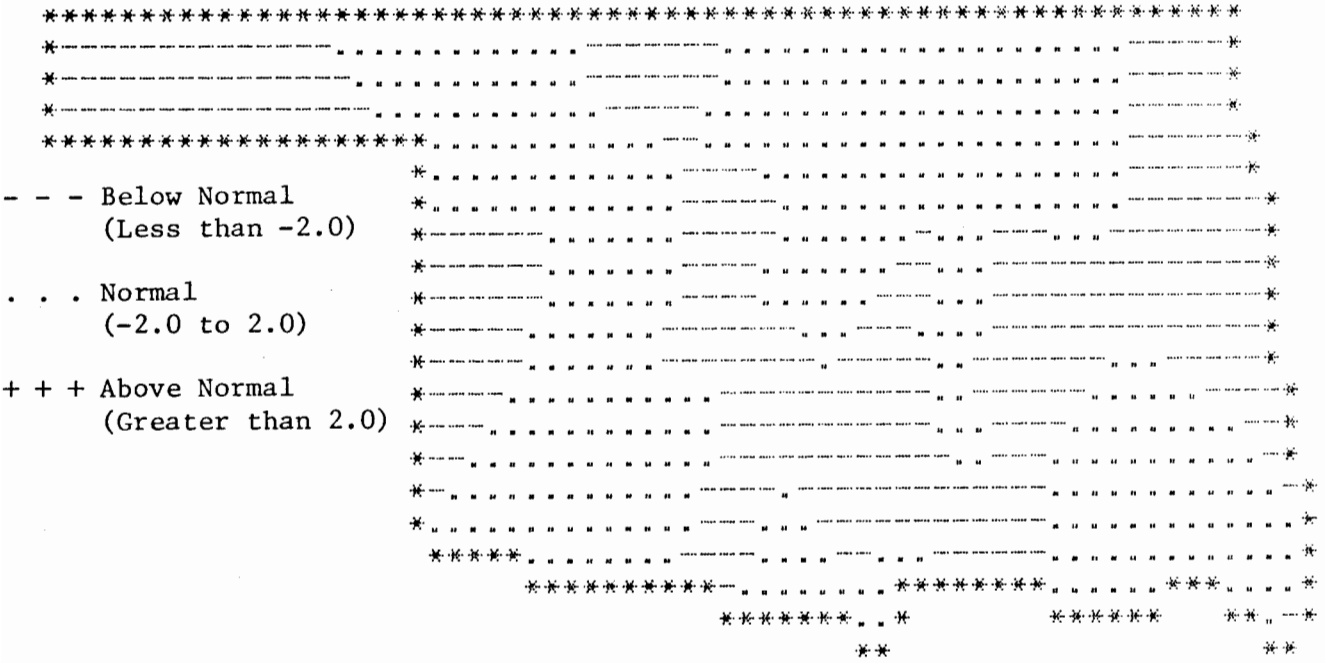
NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	73.2	30	-1.2	95.	4	46.	30	6.5	-2.5	252.5	-38.5	2.610	30	-2.66	2.28	15
BATTIEST	567	9	72.4	29	999.0	96.	3	46.	23	6.5	9999.0	222.5	9999.0	5.200	29	99.99	2.75	18
BENGAL	670	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.202	30	99.99	2.14	28
BOSWELL	980	9	73.4	30	999.0	94.	5	48.	30	1.5	9999.0	254.0	9999.0	3.445	30	-1.46	1.98	15
BROKEN BOW DAM	1168	9	74.7	29	999.0	97.	4	46.	30	0.0	9999.0	286.5	9999.0	2.400	30	99.99	1.12	19
BUFFALO MT. TW	1251	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.270	30	99.99	1.05	10
CARNASAW	1499	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.350	30	-1.64	1.62	19
CARTER MT.	1544	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.240	30	-1.72	1.80	19
FANSHAWE	3065	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.351	30	-.33	1.26	16
HEAVNER	4008	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.202	30	-1.32	1.14	10
HEE MT.TW.	4017	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.370	30	99.99	2.58	19
HUGO	4384	9	75.6	30	-.2	96.	3	52.	30	0.0	0.0	317.5	-10.5	5.050	30	-.10	1.57	19
IDABEL	4451	9	74.5	29	-.4	96.	3	50.	30	0.0	-6.0	276.0	-27.0	3.580	30	-.95	1.05	16
JADIE TW	4560	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.890	30	99.99	1.26	16
POTEAU	7254	9	71.2	29	999.0	94.	3	43.	30	9.5	9999.0	188.0	9999.0	2.900	30	99.99	1.30	9
SMITHVILLE	8285	9	71.7	25	999.0	96.	3	44.	23	14.5	9999.0	182.5	9999.0	4.800	26	99.99	1.85	16
SOBOL TOWER	8305	9	74.2	28	999.0	91.	14	55.	29	0.0	9999.0	258.5	9999.0	2.312	29	-3.11	.78	19
SPIRO	8416	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.250	30	-.78	1.34	16
TUSKAHOMA	9023	9	72.1	30	999.0	97.	4	44.	30	11.0	9999.0	224.0	9999.0	6.411	30	99.99	2.03	19
VALLIANT	9118	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.792	30	-2.19	1.12	15
ZOE	9985	9	72.4	8	999.0	93.	14	51.	2	0.0	9999.0	59.5	9999.0	3.530	15	-1.04	1.75	10

SEPTEMBER 1987 CLIMATE DIVISION SUMMARY

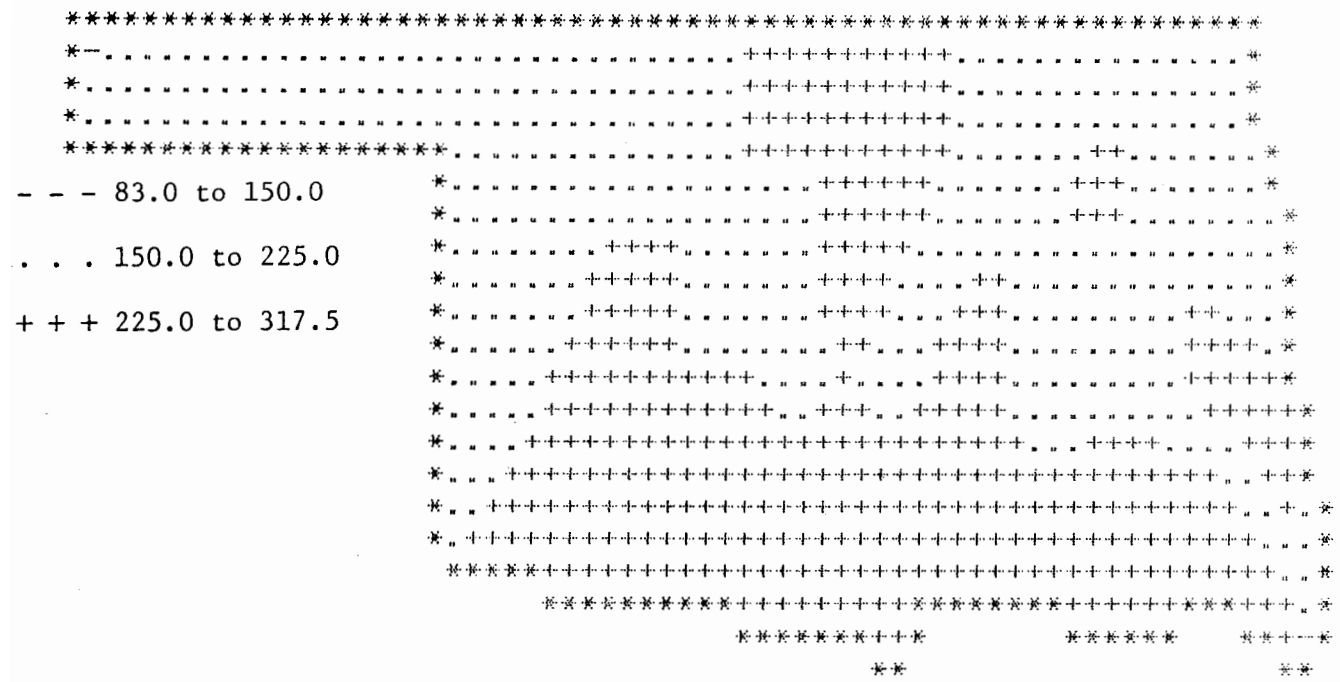
CLIMATE DIV	MEAN TEMP	NUM STA	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEGREE DAYS	DEV FROM NORM	COOL DEGREE DAYS	DEV FROM NORM	TOT PPT	NUM STA	DEV FROM NORM	MAX 24-HR	DAY
1	69.4	6	-1.5	96.0	2	45.0	30	12.8	-16.0	142.7	-64.9	3.98	9	2.12	2.10	28
2	71.7	15	-1.4	97.0	3	44.0	22	5.7	-13.2	205.0	-57.8	5.12	27	2.08	6.30	28
3	71.0	16	-1.8	100.0	5	43.0	23	9.5	-13.4	185.3	-71.8	4.76	34	.46	5.74	28
4	71.3	10	-2.1	96.0	3	46.0	22	5.7	-11.3	192.1	-76.2	4.31	20	1.52	2.36	18
5	72.1	15	-1.8	95.0	3	41.0	30	5.1	-10.6	215.4	-67.1	4.72	38	.92	2.58	18
6	71.5	10	-2.5	93.0	5	43.0	30	8.4	-7.1	200.5	-83.0	4.39	27	.10	2.85	12
7	73.2	12	-1.8	98.0	3	46.0	29	1.4	-8.5	244.2	-67.3	3.55	25	.56	2.81	18
8	73.3	14	-2.7	99.0	10	44.0	30	2.0	-5.3	248.1	-88.6	5.00	29	.70	3.50	15
9	73.5	9	-1.6	97.0	4	43.0	30	3.9	-1.1	252.6	-54.7	3.59	20	-1.24	2.75	18



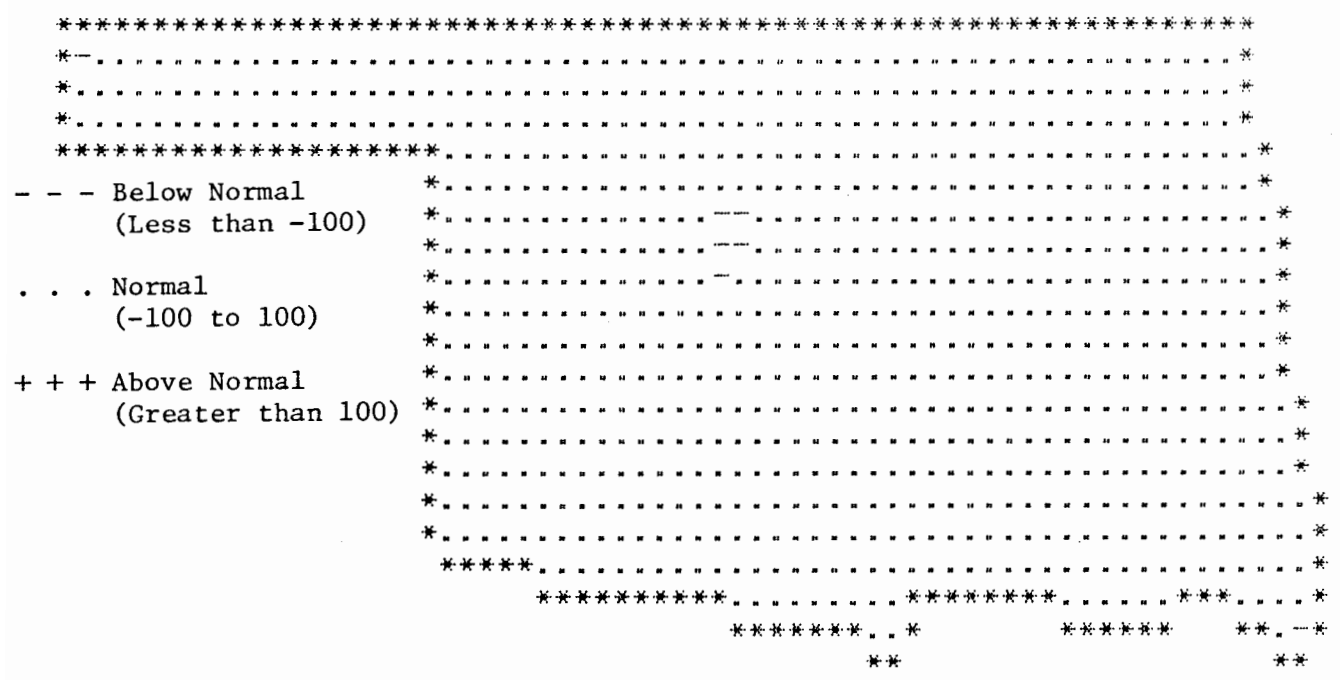
SEPTEMBER 1987 AVERAGE MONTHLY TEMPERATURE
(Degrees F)



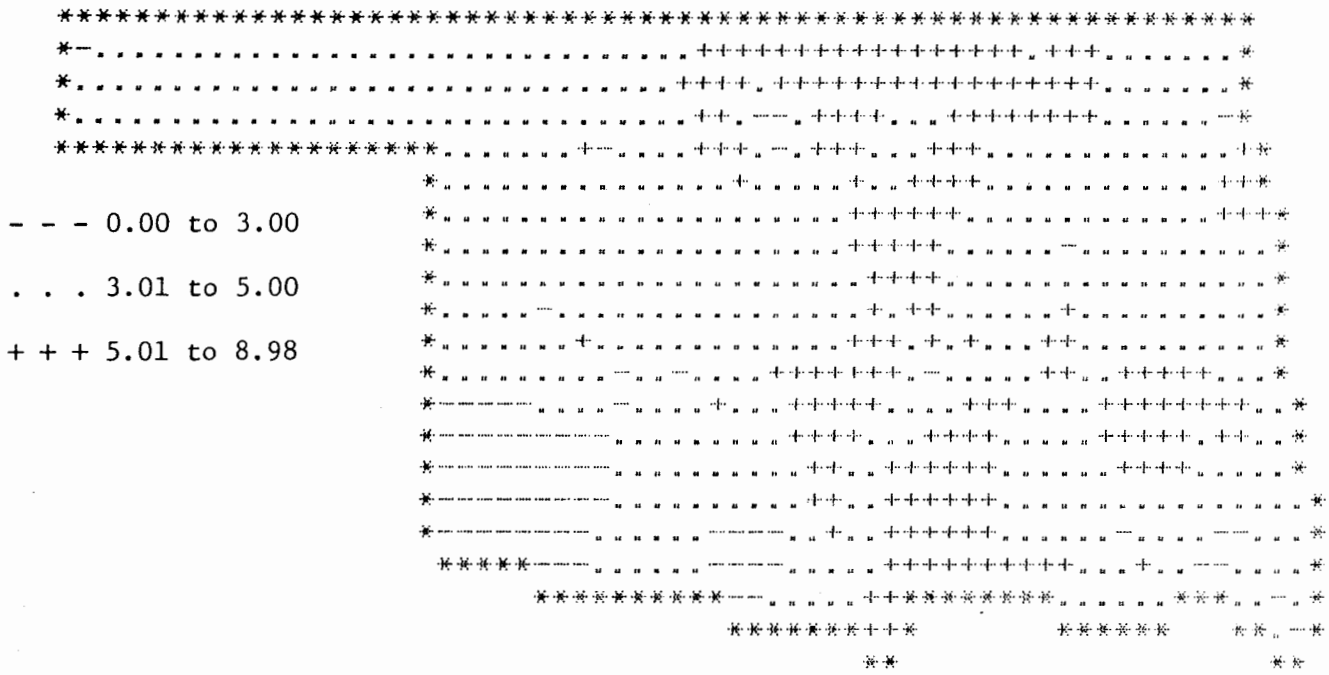
SEPTEMBER 1987 DEVIATION FROM NORMAL TEMPERATURES



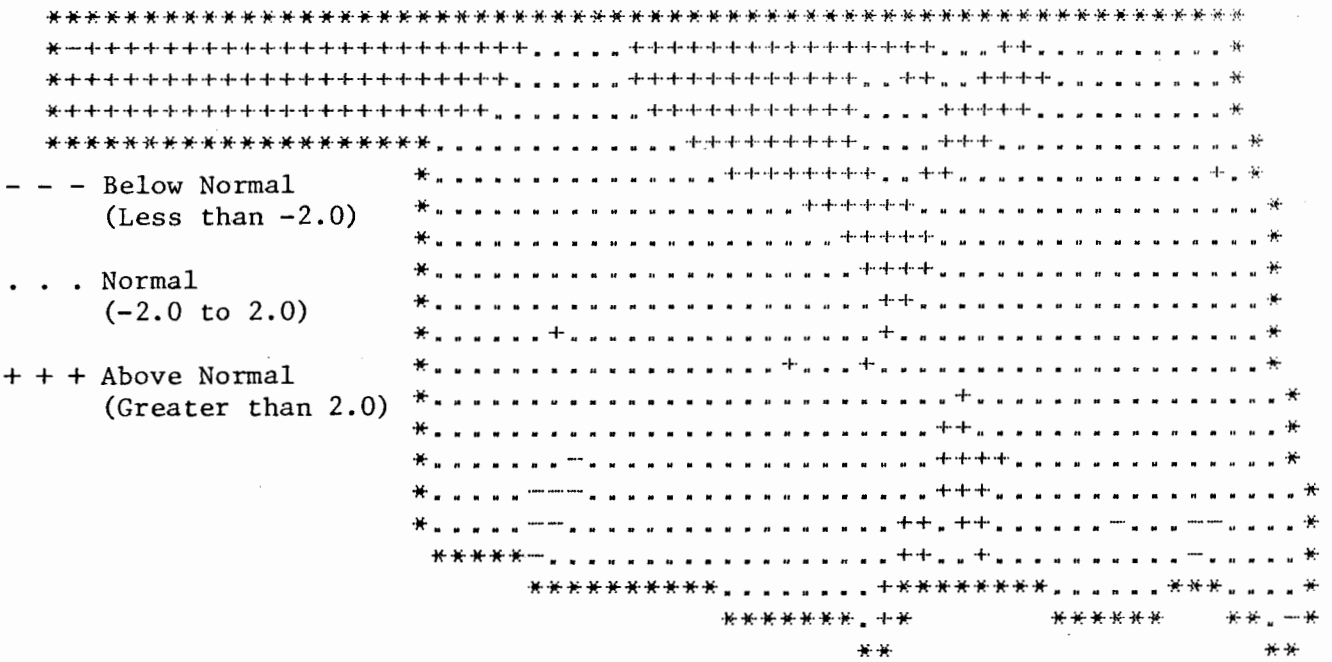
SEPTEMBER 1987 TOTAL COOLING DEGREE DAYS



SEPTEMBER 1987 DEVIATION FROM NORMAL COOLING DEGREE DAYS



SEPTEMBER 1987 TOTAL PRECIPITATION
(Inches)



SEPTEMBER 1987 DEVIATION FROM NORMAL PRECIPITATION