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 AUGUST 1987

Troublesome hot and dry conditions early in the month preceded a period of damaging thunderstorms providing Oklahoma with diverse and costly weather this August. During the first week of the month most stations reported 100 degree readings on several days. This heat, coupled with dry conditions caused soil moisture to dwindle to a yearly low, threatening some of the soybean crop. Periodic storms delivered some spotty relief before several days of severe weather, beginning on the week of the 16th, restored soil moisture and boosted crop growth. Unfortunately, lightning and strong winds accompanying this severe weather caused hundreds of thousands of dollars in damages to numerous businesses, homes and vehicles across the State. Finally, record-breaking cool air followed the last round of thunderstorms late in the month and the weather settled during the last few days of August.

High pressure over the central United States kept Oklahoma's weather sunny and hot during the month's first several days. At least one station in each Climate Division (CD) reported high temperatures of 100 degrees or more on 6 of the month's first 9 days. These hot conditions prompted the Oklahoma Department of Health to issue this summer's third Heat Health Alert. High humidity and low winds, combined with the high temperatures pushed heat index values up to 110 in eastern Oklahoma. During the same 9 day period, each CD averaged less than .50" of rain (except CD9: 1.27" and CD6: .59"). This resulted in Piedmont and Edmond mandating water rationing, and voluntary rationing taking effect in Idabel, Bokchita, Ardmore and northern Oklahoma City.

Spotty showers during the next week provided much-needed relief to some areas. CD weekly rainfall amounts averaged about .50". These light and localized showers failed to significantly impact overall moisture conditions. Subsoil moisture supplies continued to dwindle to their lowest levels of 1987. The larger rainfall amounts recorded in certain areas did, however, allow some municipalities to abandon water rationing.

Storms on the 16th represented the first of several middle-of-the-month thunderstorm days which included numerous wind damage events. Seventy mile per hour winds on the 16th downed trees and power lines in Shawnee where 1.34" of rain fell. Other storms delivered rain to southeastern Oklahoma and nickle-size hail fell in Cotton County. Severe thunderstorms developed along a cold front in Ellis and Woodward Counties in northeastern Oklahoma and Johnson and Love Counties in southern Oklahoma on the 17th. Coweta reported small hail. Two days later 65 mph winds uprooted trees in northeastern Oklahoma. On the 22nd a northern Oklahoma cold front triggered the growth of a strong, isolated storm which brought rain and nickle-size hail to Alfalfa County.

Violent storms returned to the State on the 26th. A strong cold front penetrated Oklahoma and the National Weather Service responded by issuing severe thunderstorm warnings for 56 of the State's 77 counties. Eighty mile per hour winds in Tillman County damaged an airport hangar and several house trailers resulting in an estimated $250,000 in damages in Frederick alone. Winds reported at 100 mph ripped through Rush Springs, causing major damage to two automobile dealerships and several homes and businesses. Golfball-size hail fell at Hobart and 60 mph winds caused minor damage in Cherokee County.

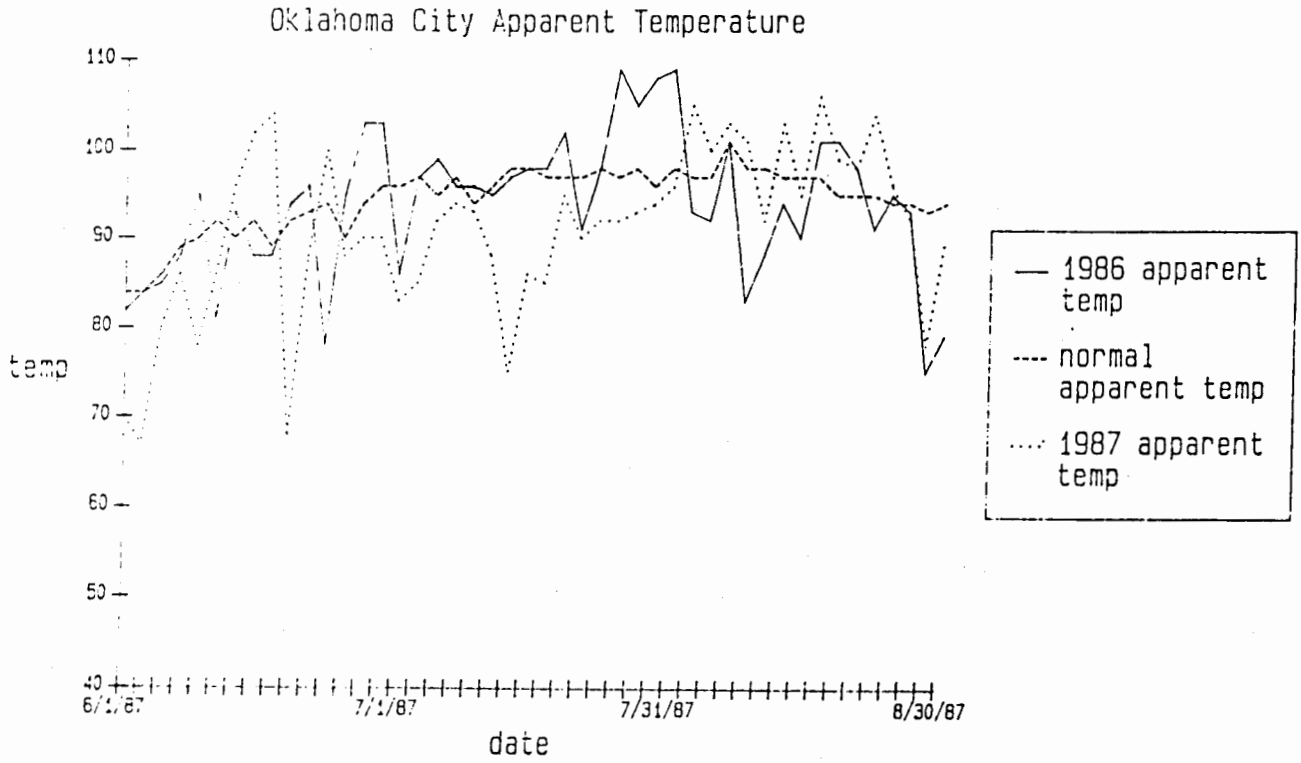
Record-breaking cool temperatures followed the cold front. Oklahoma City's high temperature of 79 degrees on the 28th was its lowest ever recorded on that date. High temperatures in the 70's, about 15 degrees below normal, were common Statewide on the 27th and 28th. Prevailing sunny skies and unseasonably cool weather provided a pleasant ending to August's weather.

TABLE OF 1986/1987 COMPARISONS

	AUGUST TEMPERATURES (F)		AUGUST PRECIPITATION (IN.)	
STATION	1986	1987	1986	1987
ARNETT	77.7	77.9	2.663	2.241
ENID	78.6	82.9	5.570	1.830
MUTUAL	77.6	79.4	4.091	1.450
TULSA	78.3	83.9	4.021	3.720
ELK CITY	78.1	80.1	3.743	3.852
OKLAHOMA CITY	80.3	83.0	3.203	1.822
MCALESTER	80.1	83.5	3.110	4.590
DURANT	81.7	83.0	5.100	2.090
ADA	79.8	83.3	1.293	2.690
ANTLERS	79.8	84.1	2.540	2.860

EXTREMES

VARIABLE	STATION	DIVISION	OBSERVATION	DATE
MAXIMUM TEMPERATURE (F)	GATE	1	106	5
	GREAT SALT PLAINS	2	106	7
MINIMUM TEMPERATURE (F)	KENTON	1	49	28
MAXIMUM 24-HOUR PRECIPITAION	CHECOTAH	6	5.30"	27



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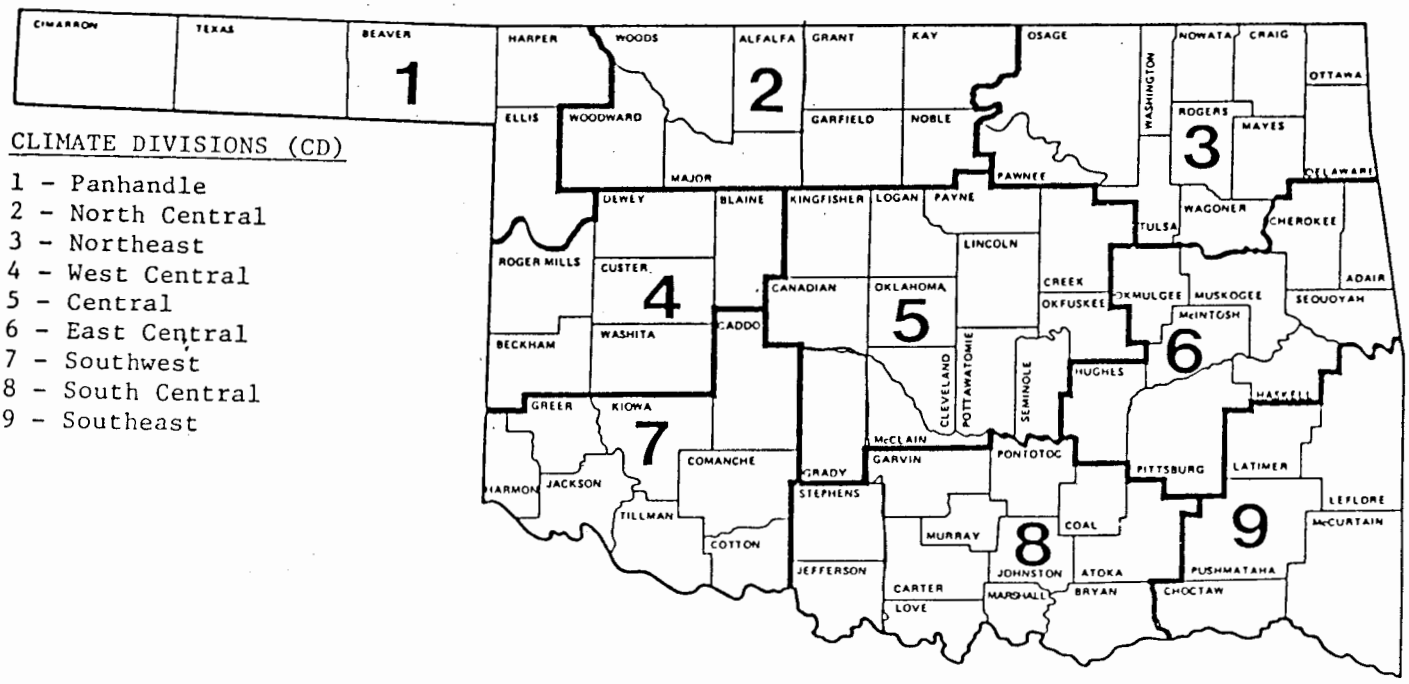


CLIMATE DIVISIONS (CD)

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.

1987 AUGUST 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	77.9	30	-1.4	99.	19	54.	29	5.5	5.5	391.5	-51.5	2.241	31	-.17	1.00	27
BOISE CITY	968	1	74.5	31	-1.2	99.	21	51.	23	10.0	10.0	303.0	-29.0	3.130	31	.75	1.35	25
BUFFALO	1243	1	81.1	31	-.7	105.	20	51.	28	1.5	1.5	500.5	-20.5	2.730	31	-.61	1.00	26
FARGO	3070	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.680	31	2.21	1.46	25
GAGE	3407	1	78.8	31	-1.3	99.	21	54.	28	4.0	4.0	431.0	-37.0	4.791	31	2.37	1.87	25
GATE	3489	1	78.8	30	999.0	106.	5	54.	27	.5	9999.0	414.0	9999.0	2.920	31	99.99	.92	8
GOODWELL RES STA	3628	1	76.2	30	-1.2	102.	19	52.	28	11.0	11.0	345.5	-38.5	3.012	31	.64	1.73	26
GUYMON	3835	1	78.6	27	999.0	105.	6	53.	28	8.5	9999.0	374.5	9999.0	1.374	29	99.99	.71	13
HOOKER	4292	1	76.8	30	-1.4	104.	6	53.	24	9.0	9.0	362.5	-46.5	1.373	31	-1.41	.69	24
KENTON	4766	1	73.8	30	-2.7	100.	19	49.	28	15.5	15.5	279.5	-77.5	2.820	31	.32	.91	5
LAVERNE	5045	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.980	31	.01	.90	27

1987 AUGUST 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	80.4	31	-1.6	104.	7	53.	28	0.0	0.0	478.0	-49.0	4.230	31	1.34	.92	25
VANCE AFB	302	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.684	31	99.99	1.36	13
BILLINGS	755	2	81.3	30	999.0	102.	1	54.	28	.5	9999.0	490.0	9999.0	2.911	31	.02	1.12	27
BLACKWELL	818	2	82.0	31	999.0	105.	8	54.	28	0.0	9999.0	528.5	9999.0	3.136	31	99.99	1.98	13
BRAMAN	1075	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.251	31	99.99	1.94	13
CEDARDALE	1620	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.151	31	99.99	.75	25
CHEROKEE	1724	2	84.4	30	2.2	105.	7	56.	28	0.0	0.0	581.5	48.5	2.350	31	-.23	.75	13
ENID	2912	2	83.5	30	1.4	103.	7	55.	28	0.0	0.0	555.5	25.5	1.830	31	-1.53	1.12	13
FT.SUPPLY	3304	2	77.8	30	-2.6	100.	2	53.	28	7.5	7.5	392.0	-85.0	3.491	31	.97	1.04	27
FREEDOM	3358	2	80.6	31	999.0	103.	6	52.	28	0.0	9999.0	483.5	9999.0	3.520	31	99.99	1.56	26
GREAT SALT PLAINS	3740	2	82.2	30	999.0	106.	7	58.	28	0.0	9999.0	514.5	9999.0	2.890	31	.03	1.33	24
HARDY	3909	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.556	31	99.99	2.32	22
HELENA	4019	2	80.7	30	999.0	103.	7	55.	29	1.0	9999.0	470.5	9999.0	1.604	31	-1.01	.61	13
JEFFERSON	4573	2	84.0	30	1.9	104.	7	54.	28	0.0	0.0	571.0	41.0	3.211	31	-.04	1.03	12
LAHOMA AG	4950	2	81.4	30	999.0	96.	22	61.	29	0.0	9999.0	493.0	9999.0	0.000	31	99.99	0.00	31
LAMONT	5013	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.840	31	99.99	.76	27
MEDFORD	5768	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.281	31	99.99	1.10	13
MORRISON	6065	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.640	31	99.99	1.50	13
MUTUAL	6139	2	79.4	30	-1.6	104.	6	54.	29	3.5	3.5	435.5	-60.5	1.450	31	-.75	.66	13
NEWKIRK	6278	2	81.1	31	-.0	101.	8	55.	28	0.0	0.0	498.5	-.5	4.011	31	.51	2.25	13
ORIENTA	6751	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.130	31	99.99	1.40	13
PERRY	7012	2	83.5	31	1.4	103.	3	55.	28	0.0	0.0	574.5	44.5	2.840	31	-.49	1.53	13
PONCA CITY	7201	2	78.8	18	-2.1	103.	7	56.	28	0.0	0.0	248.5	-244.5	2.432	31	-.93	1.04	23
RED ROCK	7505	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.870	31	-.07	1.30	13
RENFROW	7556	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.900	31	1.02	1.40	13
WAYNOKA	9404	2	82.1	30	-.0	102.	20	54.	28	0.0	0.0	512.0	-18.0	3.670	31	.97	.96	27
WOODWARD	9760	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.841	31	-.98	.95	27

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

1987 AUGUST SUMMARY FOR NORTHEAST DIVISION (CD3)

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
BARNSDALL	535	3	81.1	31	999.0	101.	8	53.	28	0.0	9999.0	499.5	9999.0	3.240	31	.07	.87	13
BARTLESVILLE	548	3	81.5	31	.9	103.	8	55.	28	0.0	0.0	510.0	26.0	5.050	31	2.03	2.01	13
BIXBY	782	3	81.6	29	1.3	99.	22	56.	30	0.0	0.0	482.5	8.5	2.880	31	.09	1.61	27
BURBANK	1256	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.803	31	99.99	2.49	23
CHELSEA	1717	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.520	31	99.99	4.25	27
CLAREMORE	1828	3	83.2	29	2.9	102.	7	61.	29	0.0	0.0	528.5	54.5	6.141	31	3.23	4.21	27
CLEVELAND	1902	3	82.6	28	999.0	101.	22	54.	28	0.0	9999.0	492.5	9999.0	1.830	28	99.99	1.07	13
FORAKER	3250	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.251	31	.74	1.31	13
HOLLOW	4258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.820	31	.52	.80	27
HOMINY	4289	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.351	31	.32	1.44	19
JAY TOWER	4567	3	82.5	30	999.0	105.	7	56.	29	0.0	9999.0	525.5	9999.0	3.940	31	99.99	2.07	27
KANSAS	4672	3	81.0	31	999.0	101.	7	57.	29	0.0	9999.0	495.5	9999.0	5.303	31	99.99	1.85	27
MANNFORD	5522	3	81.5	31	999.0	105.	3	50.	28	0.0	9999.0	511.5	9999.0	4.040	31	99.99	1.50	27
MARAMEC	5540	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.081	31	-.84	.97	13
MIAMI	5855	3	80.4	30	.5	102.	6	55.	29	0.0	0.0	462.5	.5	6.840	31	3.33	2.39	23
NOWATA	6485	3	80.7	31	-.1	101.	8	55.	28	0.0	0.0	488.0	-2.0	5.721	31	2.33	1.55	27
ONETA	6713	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.500	31	99.99	2.05	27
PAWHUSKA	6935	3	81.3	30	.8	100.	8	54.	28	0.0	0.0	489.0	8.0	5.253	31	1.91	2.10	19
PAWHUSKA	6937	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.962	31	99.99	1.38	13
PAWNEE	6940	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.230	31	-.78	1.67	13
PRYOR	7309	3	80.7	29	.4	100.	7	55.	30	0.0	0.0	456.0	-18.0	4.214	31	.81	2.13	27
QUAPAW	7358	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.750	31	2.31	3.65	25
RALSTON	7390	3	82.6	31	999.0	102.	7	54.	28	0.0	9999.0	546.5	9999.0	4.111	31	1.19	2.10	13
RAMONA	7394	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.550	31	99.99	1.18	27
SKIATOOK	8258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.770	31	2.91	2.08	27
SPAVINAW	8380	3	83.7	28	999.0	100.	7	59.	29	0.0	9999.0	523.0	9999.0	4.990	31	1.39	2.00	27
TULSA	8992	3	83.9	31	2.2	102.	23	59.	28	0.0	0.0	587.0	69.0	3.720	31	.71	2.38	27
UPPER SPAVINAW	9101	3	85.3	29	999.0	107.	6	62.	29	0.0	9999.0	588.0	9999.0	3.644	31	99.99	1.70	27
VINITA	9203	3	81.0	31	1.2	101.	7	54.	29	0.0	0.0	496.0	37.0	4.260	31	.65	2.16	27
WAGONER	9247	3	83.3	30	2.2	101.	7	58.	28	0.0	0.0	548.5	49.5	6.770	31	3.92	3.62	27
WANN	9298	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.330	31	99.99	2.12	13
WYNONA	9792	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.111	31	99.99	2.52	19

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

1987 AUGUST 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
CHEYENNE	1738	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.122	31	99.99	.93	13
CLINTON	1909	4	83.1	31	1.1	105.	6	55.	28	0.0	0.0	562.0	35.0	2.642	31	-.15	1.40	13
COLONY	2039	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.041	31	99.99	1.24	10
CORDELL	2125	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.331	31	1.70	1.85	13
ELK CITY	2849	4	80.4	30	999.0	98.	21	53.	28	0.0	9999.0	461.5	9999.0	3.852	31	1.52	1.88	26
ERICK	2944	4	80.1	30	-.5	100.	2	54.	28	0.0	0.0	453.5	-30.5	6.500	31	4.38	2.04	24
GEARY	3497	4	80.6	31	-1.3	98.	7	54.	28	0.0	0.0	483.5	-40.5	5.451	31	3.26	3.26	13
HAMMON	3871	4	80.6	29	-.5	101.	6	51.	28	0.0	0.0	451.5	-47.5	1.370	31	-1.07	.90	13
LEEDEY	5090	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.470	31	-1.11	.62	13
MACKIE	5463	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.950	31	99.99	.48	13
MORAVIA	6035	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.361	31	.30	1.40	13
OKEENE	6629	4	83.1	30	.6	102.	7	54.	28	0.0	0.0	541.5	-1.5	3.450	31	.88	2.27	13
PETROP	7565	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.010	31	99.99	1.76	13
REYDON	7579	4	79.7	31	999.0	101.	19	50.	28	.5	9999.0	457.0	9999.0	2.651	31	.42	1.50	30
SAYRE	7952	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.480	31	2.43	2.02	27
SWEETWATER	8652	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.750	31	99.99	.80	12
TALOGA	8798	4	80.1	31	-.6	104.	6	50.	27	0.0	0.0	467.5	-19.5	2.082	31	-.36	1.26	13
THOMAS	8815	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.430	31	99.99	2.38	12
VICI	9172	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.992	31	99.99	.57	27
WATONGA	9364	4	81.6	30	999.0	101.	6	53.	28	0.0	9999.0	496.5	9999.0	2.512	31	.46	1.44	13
WEATHERFORD	9422	4	81.5	30	-.1	106.	6	53.	29	1.0	1.0	495.5	-19.5	4.412	31	1.72	3.51	13

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

1987 AUGUST SUMMARY FOR CENTRAL DIVISION (CD5)

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
AMBER	200	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.300	31	99.99	1.20	27
ARCADIA	288	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.440	31	99.99	.98	27
TINKER AFB	325	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.235	31	99.99	1.17	14
BLANCHARD	830	5	84.0	25	999.0	99.	6	65.	24	0.0	9999.0	476.0	9999.0	2.281	31	99.99	.68	14
BRISTOW	1144	5	83.6	29	2.4	103.	12	54.	29	0.0	0.0	540.0	38.0	4.230	30	1.61	2.62	26
CHANDLER	1684	5	82.7	31	.9	99.	22	57.	28	0.0	0.0	549.0	28.0	1.700	31	-.55	.81	27
CHICKASHA	1750	5	81.9	31	.7	102.	6	56.	29	0.0	0.0	523.0	21.0	3.440	31	.92	1.60	27
COX CITY	2196	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.080	31	99.99	1.28	26
CRESCENT	2242	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.140	31	99.99	1.31	13
EL RENO	2818	5	81.7	27	.4	101.	6	54.	28	0.0	0.0	451.0	-54.0	3.570	31	1.27	2.00	13
MEEKER	3779	5	82.4	31	999.0	99.	7	55.	29	0.0	9999.0	539.0	9999.0	1.650	31	99.99	.83	27
GUTHRIE	3821	5	83.7	31	1.6	103.	2	55.	28	0.0	0.0	580.0	50.0	2.820	31	.44	1.60	13
HENNESSEY	4055	5	82.5	30	.2	103.	7	55.	28	0.0	0.0	524.5	-11.5	2.900	31	.21	2.25	13
INGALLS	4489	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.983	31	99.99	.92	13
KINGFISHER	4861	5	82.0	30	-.4	102.	6	54.	28	0.0	0.0	511.0	-28.0	4.010	31	1.62	1.70	13
KINGFISHER UOC	4864	5	82.0	29	999.0	102.	5	54.	28	0.0	9999.0	493.0	9999.0	4.010	31	99.99	1.70	13
KONAWA	4915	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.370	31	-.09	1.31	27
MARSHALL	5589	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.870	31	-.88	1.33	13
MULHALL	6110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.970	31	99.99	1.51	13
NORMAN	6386	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.511	31	-1.05	1.24	27
OILTON	6616	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.490	31	99.99	1.39	27
OKEMAH	6638	5	82.2	30	1.0	100.	12	57.	28	0.0	0.0	516.5	14.5	4.780	31	2.18	3.60	27
OKLAHOMA CITY	6661	5	83.0	31	1.9	100.	7	58.	28	0.0	0.0	556.5	57.5	1.822	31	-.58	.67	27
PERKINS	7093	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.570	31	-1.04	1.49	13
PIEDMONT	7068	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.430	31	99.99	1.50	13
PRAGUE	7265	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.331	31	99.99	1.75	14
PURCELL	7327	5	82.4	30	.5	100.	7	55.	29	0.0	0.0	521.0	-3.0	2.461	31	.04	1.00	17
SEMINOLE	8042	5	84.4	31	1.8	101.	17	58.	29	0.0	0.0	600.0	54.0	3.060	31	.18	2.45	27
SHAWNEE	8110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.050	31	.15	1.36	27
STELLA	8479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.070	31	99.99	.71	27
STILLWATER	8501	5	82.1	29	1.1	100.	22	55.	29	0.0	0.0	495.5	-.5	2.110	31	-.72	1.08	13
STROUD	8563	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.700	31	99.99	1.41	27
TECUMSEH	8751	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.522	31	99.99	1.52	26
TROUSDALE	8960	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.820	31	99.99	1.33	27
UNION CITY	9086	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.871	31	.32	1.03	13
WELTY	9479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.542	31	99.99	2.10	27
WEWOKA	9575	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.690	31	.84	1.71	27
CUSHING	2318	5	82.9	29	1.5	101.	8	57.	29	0.0	0.0	518.0	10.0	2.331	31	-.36	1.18	13

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

1987 AUGUST SUMMARY FOR EAST CENTRAL DIVISION (CD6)

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
ASHLAND	364	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.380	31	99.99	1.55	11
BEGGS	631	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.130	31	99.99	2.52	26
BOYNTON	1027	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.910	31	99.99	3.33	27
CALVIN	1391	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.410	31	.83	3.06	27
CHECOTAH	1711	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.081	31	4.38	5.30	27
DEWAR	2485	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.580	31	3.97	4.54	26
DUSTIN	2690	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.870	31	99.99	5.05	27
EUFAULA	2993	6	82.3	21	999.0	100.	7	60.	29	0.0	9999.0	362.5	9999.0	5.530	31	2.80	3.58	27
HANNA	3884	6	83.0	31	999.0	100.	22	56.	29	0.0	9999.0	557.5	9999.0	4.381	31	1.56	3.32	27
HARTSHORNE	3946	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.150	31	99.99	2.02	18
HASKELL	3956	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.631	31	6.30	3.94	14
HOLDENVILLE	4235	6	82.7	30	.8	100.	16	57.	29	0.0	0.0	532.0	8.0	4.140	31	1.48	2.92	27
LYONS	5437	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.093	31	1.22	2.01	27
MCALESTER	5664	6	83.5	31	1.8	101.	10	61.	29	0.0	0.0	575.0	57.0	4.590	31	1.34	2.67	27
MCCURTAIN	5693	6	84.0	31	999.0	103.	7	56.	29	0.0	9999.0	587.5	9999.0	8.282	31	5.27	2.40	25
MUSKOGEE	6130	6	83.2	31	1.7	100.	22	57.	29	0.0	0.0	565.0	53.0	4.100	31	1.07	3.72	26
OKTAHA	6678	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.580	31	99.99	5.02	27
QUINTON	7372	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.991	31	2.89	2.34	27
SALLISAW	7862	6	83.3	30	2.3	101.	9	62.	31	0.0	0.0	548.5	52.5	6.030	31	2.86	2.50	17
SCIPIO	7979	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.610	31	99.99	3.20	26
SHORT	8170	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.180	31	99.99	2.00	27
STILWELL	8506	6	81.6	30	999.0	100.	7	60.	28	0.0	9999.0	497.0	9999.0	5.102	31	1.75	2.19	27
TAHLEQUAH	8677	6	81.0	31	1.1	102.	7	54.	29	0.0	0.0	496.5	34.5	6.290	31	3.23	2.45	27
WEBBERS FALLS	9445	6	83.3	28	2.6	102.	3	63.	31	0.0	0.0	512.5	25.5	5.851	31	2.97	1.84	18
WESTVILLE	9523	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.710	31	99.99	2.44	27
WETUMKA	9571	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.691	31	3.27	2.97	27

1987 AUGUST 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
US IRR STA	179	7	85.8	30	2.7	96.	3	70.	31	0.0	0.0	623.0	62.0	0.000	31	-2.24	0.00	31
ALTUS DAM	184	7	83.8	29	999.0	101.	3	54.	29	0.0	9999.0	545.5	9999.0	1.120	31	-1.01	.32	26
ANADARKO	224	7	84.1	23	2.1	101.	6	62.	27	0.0	0.0	439.5	-87.5	.910	26	-1.57	.29	25
APACHE	260	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.320	31	99.99	.96	14
ALTUS AFB	447	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.832	31	99.99	2.12	10
CARNEGIE	1504	7	83.4	30	1.1	104.	6	54.	28	0.0	0.0	553.0	17.0	2.360	31	.23	.82	23
CHATTANOOGA	1706	7	84.8	30	1.5	103.	15	56.	29	0.0	0.0	594.5	27.5	3.090	31	.48	2.36	31
DUNCAN	2668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.230	31	99.99	.52	17
FREDERICK	3353	7	83.9	30	-.7	101.	16	58.	28	0.0	0.0	567.0	-41.0	3.680	31	1.22	1.87	27
GRANDFIELD	3709	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.870	31	1.48	2.40	18
HOBART	4204	7	82.7	30	.7	102.	8	58.	29	0.0	0.0	532.5	2.5	1.280	31	-.60	.48	27
HOLLIS	4249	7	81.9	30	-1.5	101.	19	53.	30	0.0	0.0	508.5	-61.5	1.490	31	-.54	.75	5
LAWTON	5063	7	82.8	30	.1	101.	19	57.	28	0.0	0.0	533.0	-16.0	.881	31	-1.27	.23	26
FT.SILL	5068	7	82.4	29	999.0	100.	5	57.	29	0.0	9999.0	505.0	9999.0	1.408	31	-.74	.77	10
LUCO	5247	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.270	31	99.99	1.66	27
LOOKEBA	5329	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.000	31	99.99	1.81	13
MANGUM	5509	7	83.5	30	.9	105.	3	53.	28	0.0	0.0	554.5	8.5	.440	31	-1.61	.22	9
RANDLETT	7403	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.070	31	99.99	.86	27
ROOSEVELT	7727	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.760	31	.62	1.61	10
SEDAN	8016	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.610	31	99.99	1.90	13
SNYDER	8299	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.161	31	3.95	4.30	15
VINSON	9212	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.320	31	1.06	1.34	5
WALTERS	9278	7	84.2	29	.5	102.	7	59.	28	0.0	0.0	557.5	-22.5	3.680	31	1.11	1.91	9
WILLOW	9668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.951	31	99.99	1.90	31

1987 AUGUST 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	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ADA	17	8	83.7	30	2.0	99.	23	57.	29	0.0	0.0	562.0	44.0	2.690	31	-.40	1.55	27
ALLEN	147	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.420	31	99.99	3.00	26
ARDMORE	292	8	84.5	30	.5	99.	17	61.	29	0.0	0.0	585.5	-3.5	4.090	31	1.56	1.60	27
ATOKA DAM	394	8	85.1	29	999.0	103.	4	65.	28	0.0	9999.0	584.0	9999.0	1.920	31	99.99	.87	11
BOACHITO	917	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.770	31	99.99	.86	31
CANEY	1437	8	83.9	30	999.0	100.	5	62.	29	0.0	9999.0	568.0	9999.0	1.500	31	99.99	1.05	27
CENTRAHOMA	1648	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.680	31	99.99	1.20	25
CHICKASAW NRA	1745	8	84.5	28	999.0	100.	16	59.	28	0.0	9999.0	545.0	9999.0	2.580	31	99.99	.89	27
COMANCHE	2054	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.950	31	99.99	.92	27
DAISEY	2354	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.400	31	1.89	2.46	11
DURANT	2678	8	83.2	29	999.0	100.	23	62.	23	0.0	9999.0	529.0	9999.0	2.090	31	-.38	1.22	27
ELMORE CITY	2972	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.402	31	99.99	.80	27
FARRIS	3083	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.410	31	99.99	1.23	11
GRADY	3698	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.510	31	99.99	1.23	27
HEALDTON	4001	8	83.3	25	999.0	101.	12	57.	29	0.0	9999.0	457.0	9999.0	4.330	31	2.03	1.87	18
HENNEPIN	4052	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.550	31	99.99	1.36	27
KINGSTON	4865	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.840	31	1.35	2.82	18
LEHIGH	5108	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.653	31	99.99	.55	27
LINDSAY	5216	8	82.7	21	999.0	102.	6	59.	28	0.0	9999.0	372.0	9999.0	1.082	31	-1.23	.77	27
MADILL	5468	8	84.0	30	.9	100.	16	59.	29	0.0	0.0	569.5	8.5	4.231	31	1.80	2.30	17
MARIETTA	5563	8	84.7	31	1.8	102.	4	61.	29	0.0	0.0	611.5	56.5	5.181	31	2.60	1.77	18
MARLOW	5681	8	83.5	30	999.0	101.	16	60.	29	0.0	9999.0	554.5	9999.0	2.491	31	.07	1.95	27
MCGEE CREEK	5713	8	85.6	28	999.0	103.	4	64.	30	0.0	9999.0	575.5	9999.0	1.800	31	99.99	.84	11
OSWALT	6787	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.100	31	99.99	1.00	18
PAULS VALLEY	6925	8	83.4	30	.3	101.	12	56.	29	0.0	0.0	552.5	-8.5	1.220	31	-1.10	1.00	27
PONTOTOC	7214	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.940	31	.23	1.00	6
TISHOMINGO	8894	8	83.7	15	999.0	101.	5	62.	28	0.0	9999.0	280.5	9999.0	3.160	21	.64	1.30	27
TUSSY	9032	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.380	31	99.99	1.81	24
WAURIKA	9395	8	85.3	30	1.5	105.	6	59.	29	0.0	0.0	609.0	26.0	1.630	31	-.92	1.55	27
WAURIKA	9399	8	85.0	28	999.0	105.	6	60.	29	0.0	9999.0	559.0	9999.0	2.090	31	99.99	.81	27

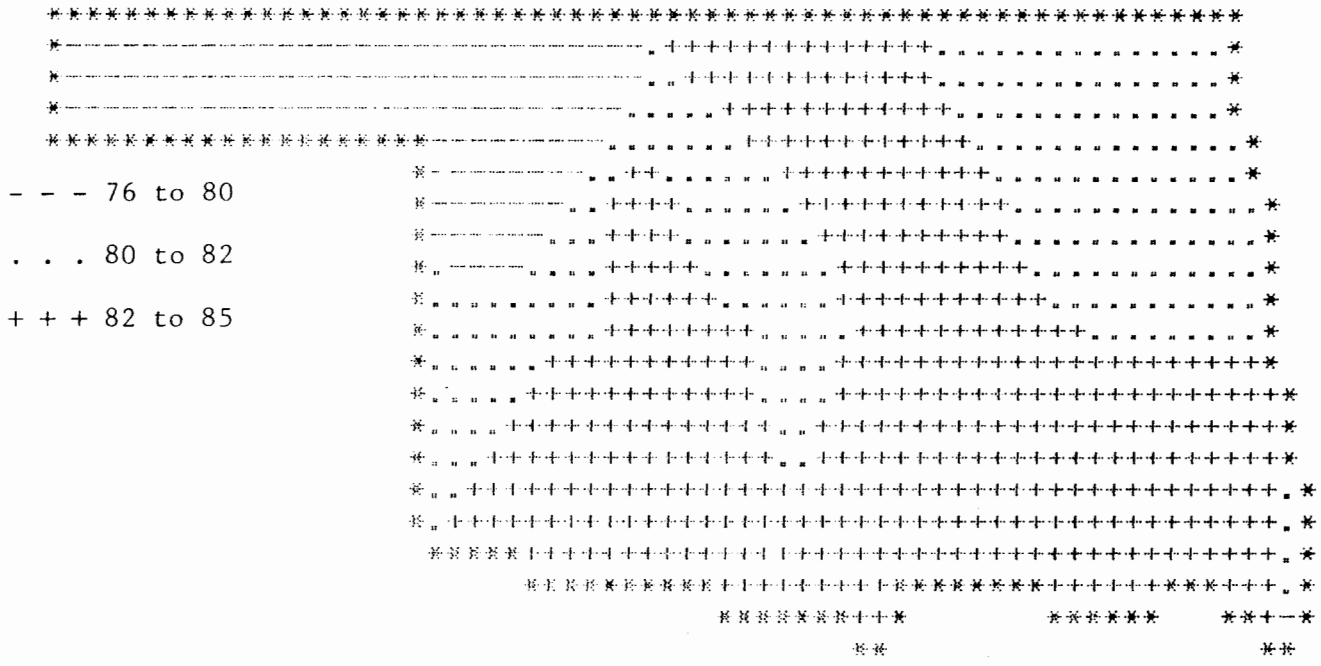
NOTE: 9999.0, 999.0, 99.99 indicate missing records .001 = Trace

1987 AUGUST SUMMARY FOR SOUTHEAST DIVISION (CD9)

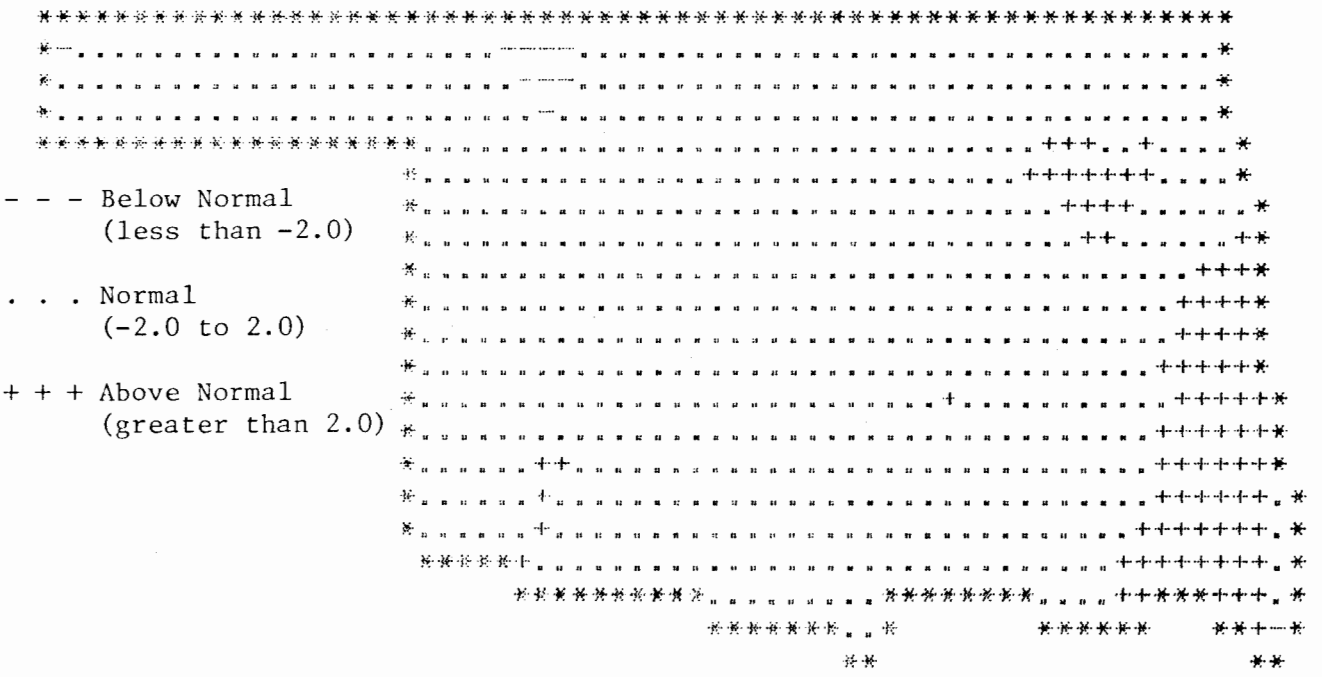
NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ANTLERS	256	9	84.9	29	3.8	101.	22	64.	30	0.0	0.0	578.0	79.0	2.860	31	-.37	1.10	27
BATTIEST	567	9	82.8	29	999.0	101.	4	63.	31	0.0	9999.0	516.5	9999.0	2.323	31	99.99	.95	12
BENGAL	670	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.230	31	99.99	1.28	18
ROSWELL	980	9	83.4	30	999.0	101.	2	64.	30	0.0	9999.0	552.0	9999.0	1.755	31	-.92	1.06	11
BROKEN BOW	1162	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.300	31	-.66	1.60	11
BUFFALO TW	1251	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.980	31	99.99	1.02	10
CARNASAW TW	1499	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.380	31	-.72	1.95	11
CARTER MT TW	1544	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.580	31	-2.09	1.00	11
FANSHAWE	3665	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.490	31	1.42	.98	11
HEAVENER	4008	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.021	31	2.67	2.35	18
HEE MT TW	4017	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.400	31	99.99	.32	28
HUGO	4384	9	86.3	29	4.1	103.	22	64.	28	0.0	0.0	618.5	85.5	.553	31	-2.89	.25	27
IDABEL	4451	9	84.2	30	2.9	101.	20	62.	30	0.0	0.0	576.0	71.0	.500	31	-2.12	.21	28
JADIE TW	4560	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.620	31	99.99	1.19	13
POTEAU	7254	9	82.7	30	999.0	102.	3	57.	28	0.0	9999.0	532.5	9999.0	5.660	31	99.99	1.93	17
SMMITHVILLE	8285	9	79.2	17	999.0	99.	21	55.	29	0.0	9999.0	241.5	9999.0	2.481	17	99.99	1.78	17
SOBAL TW	8305	9	84.1	31	999.0	100.	22	62.	28	0.0	9999.0	592.0	9999.0	1.892	31	-1.47	1.28	30
SPRIO	8416	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.801	31	.20	1.21	27
TUSKAHOMA	9023	9	84.6	29	999.0	103.	9	61.	30	0.0	9999.0	567.5	9999.0	2.020	31	99.99	.92	18
VALLIANT	9118	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.961	31	-.80	.74	11

1987 AUGUST CLIMATE DIVISION SUMMARY

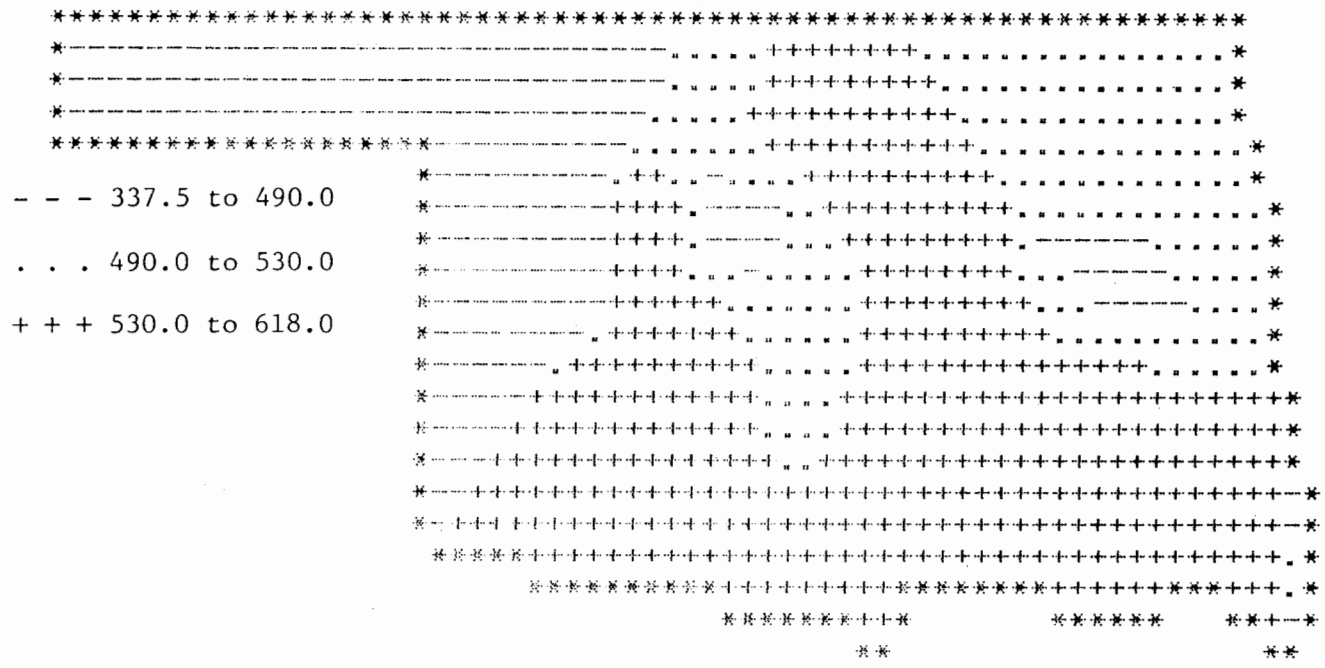
CLIMATE DIV	MEAN TEMP	NUM STA	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEGREE DAYS	DEV FROM NORM	COOL DEGREE DAYS	DEV FROM NORM	TOT PPT	NUM STA	DEV FROM NORM	MAX 24-HR	MAX DAY
1	77.4	9	-1.1	106.0	5	49.0	28	7.3	7.3	378.0	-38.3	2.91	11	.29	1.87	25
2	81.6	15	.0	106.0	7	52.0	28	.8	.8	505.2	-9.3	2.77	27	-.15	2.32	22
3	82.1	18	1.6	107.0	6	50.0	28	0.0	0.0	512.8	31.3	4.53	32	1.35	4.25	27
4	81.1	10	-.4	106.0	6	50.0	27	.2	.2	487.0	-24.3	3.14	21	.77	3.51	13
5	82.6	15	1.0	103.0	7	54.0	28	0.0	0.0	527.9	11.7	2.66	38	.08	3.60	27
6	82.8	9	1.7	103.0	7	54.0	29	0.0	0.0	541.3	41.4	5.63	26	2.77	5.30	27
7	83.6	11	.6	105.0	3	53.0	28	0.0	0.0	552.2	-5.2	2.37	24	.13	4.30	15
8	84.3	13	1.2	105.0	6	56.0	29	0.0	0.0	569.6	8.4	2.55	29	-.04	3.00	26
9	84.1	8	2.6	103.0	9	55.0	29	0.0	0.0	566.6	54.3	2.54	19	-.53	2.35	18



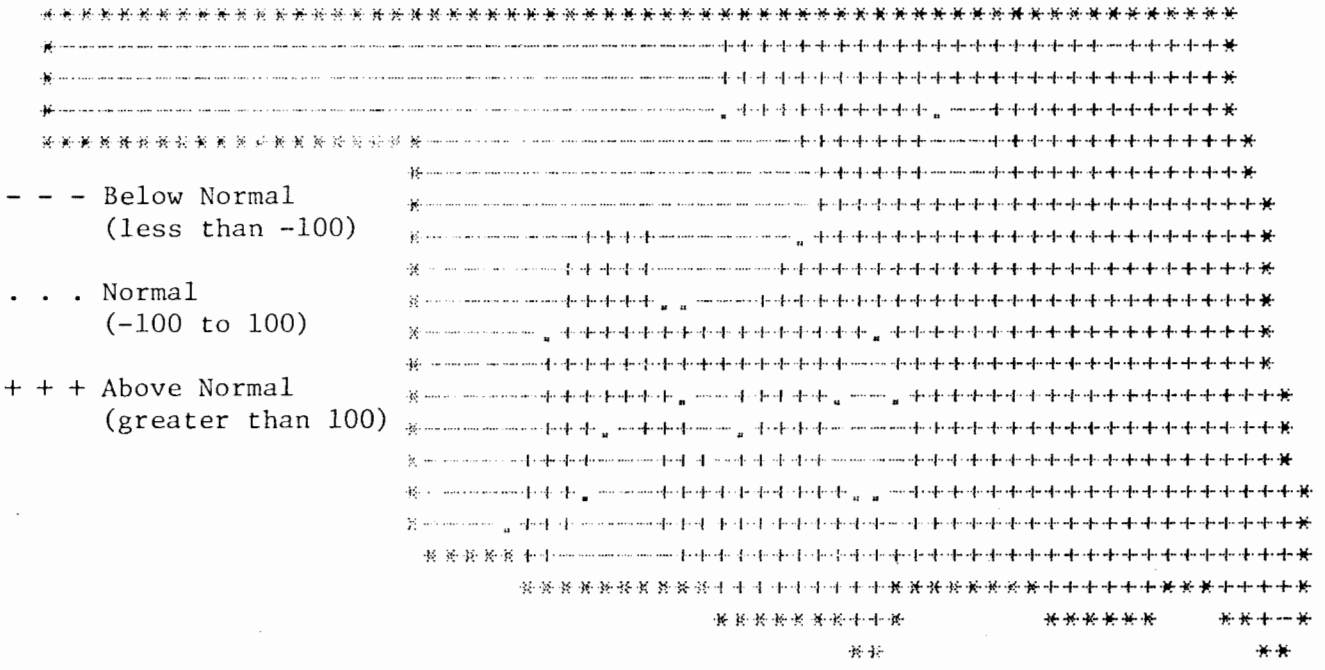
1987 AUGUST AVERAGE MONTHLY TEMPERATURE
(Degrees F)



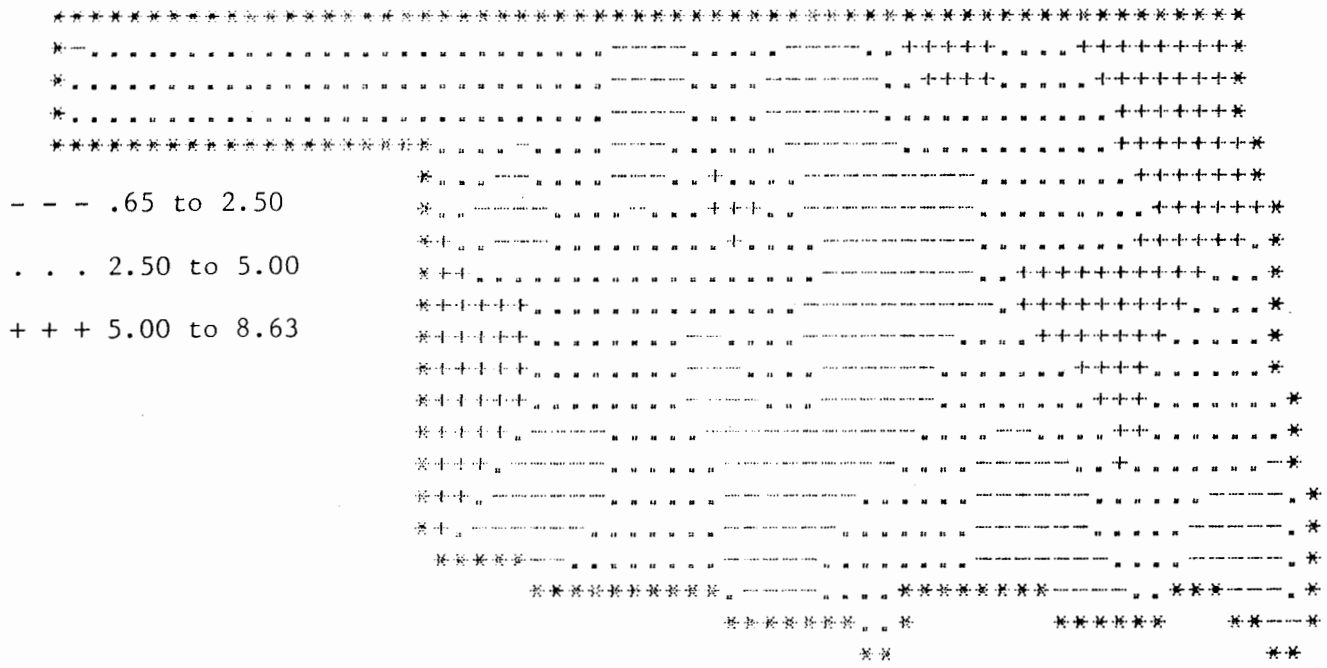
1987 AUGUST DEVIATION FROM NORMAL TEMPERATURES



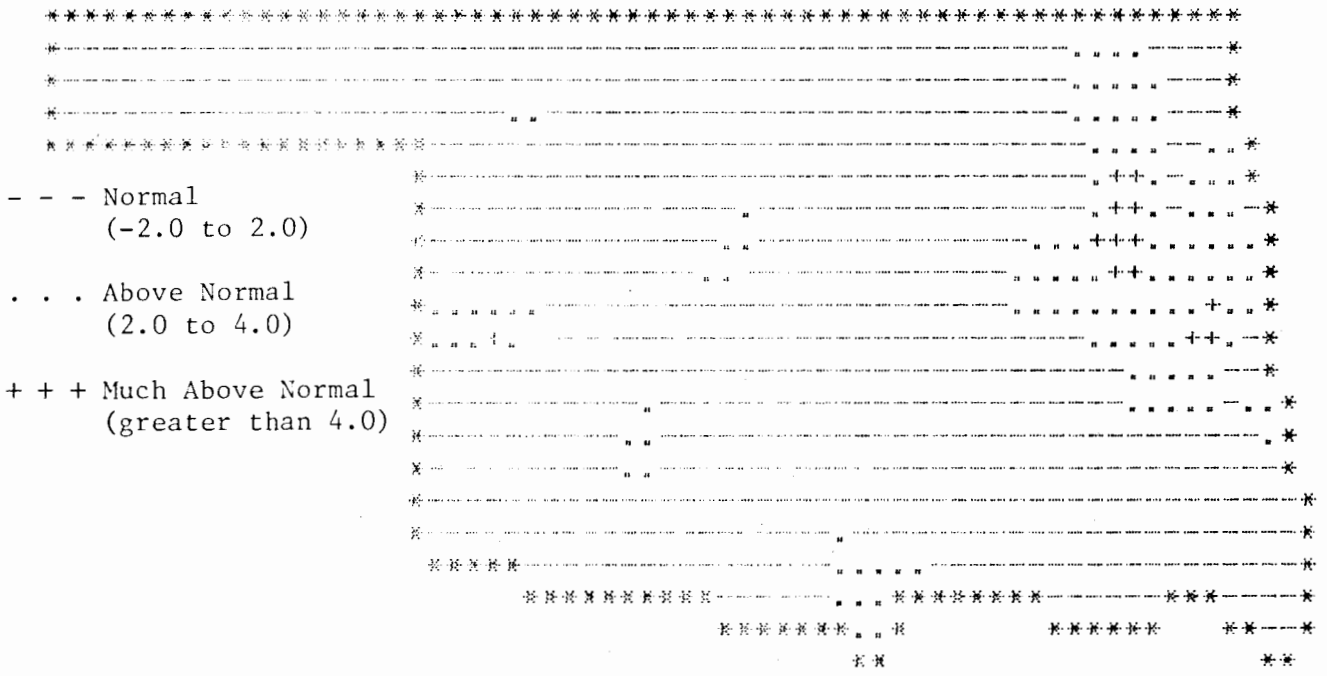
1987 AUGUST TOTAL COOLING DEGREE DAYS



1987 AUGUST DEVIATION FROM NORMAL COOLING DEGREE DAYS



1987 AUGUST TOTAL PRECIPITATION
(Inches)



1987 AUGUST DEVIATION FROM NORMAL PRECIPITATION