

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 JULY 1986

Record-setting high temperatures during the last week of July pushed monthly average temperatures 1 to 3 degrees above normal across the entire State. Every station experienced at least one day of 100 degree temperatures and many reported more 100 degree days than average (see table 1). The highest officially recorded temperature occurred on the 29th when Buffalo reported 115 degrees. Bixby's 53 degree reading on the 16th was July's lowest. Precipitation for the month was below normal for most of the State with some areas receiving less than 20% of their normally expected rainfall. Several stations in central and south central Oklahoma reported no measurable precipitation for the entire month.

Much of the July rainfall which did occur in Oklahoma fell from strong thunderstorms. This was the case on the afternoon of July 6th as intense surface heating and ample gulf moisture triggered a line of thunderstorms along a weak front across northwest Oklahoma. A flash flood warning was issued for Beckham County. Radar estimates indicated that the storm produced more than 4 inches of rainfall in nearby areas. Elk City reported 3.84 inches of rain with extensive damage to an airport hangar attributed to wind gust of near 85 mph.

More severe weather battered the northeastern part of the State on the 12th. The thunderstorms resulted when a cooler air mass from the northwest collided with the present, hot air in northeastern Oklahoma. This produced 24-hour rainfall amounts of 4.83" at Ramona, 4.0" at Nowata and 3.41" at Pryor. In Fairland, a lightning strike from one of these storms was blamed for starting a house fire which claimed the life of a 78 year old man.

Temperatures began to rise during the middle of the month. On the 13th, high temperatures included Lahoma 102; Chattanooga 101; and Carnegie and Hammon 99. Altus recorded 100 degrees and 1.95" of rain while Federick also in southwest Oklahoma reached 101 degrees and received 1.91".

The heat intensified during the last week of the month and many stations recorded several consecutive days of 100 degree weather. Woodward and Lahoma claimed the highest temperatures in the country on the 28th with readings of 112 degrees. The 108 degree reading at Oklahoma City broke the previous record by 4 degrees. On the next day, the 109 degree reading at Oklahoma City tied its all time high July temperature record. Enid and Bartlesville also recorded 109 degrees.

The severe heat posed 2 major problems: health and water shortage. The Oklahoma Health Department issued the summer's first Heat Health Alert on the 28th. The Governor's task force, convening on the same day, announced a Statewide toll free Heat Telephone Line (1-800-522-9054). Other efforts to assist those having heat related problems included making air conditioned public places available as refuges and disseminating donated fans to the needy. Though many were helped through these efforts, 5 Oklahomans died from heat stroke in July according to a state medical examiner's office.

The extremely high temperatures and insufficient precipitation resulted in record-setting water consumption. Both Tulsa and Oklahoma City broke daily water usage records during the last week of the month. In Edmond, water taps temporarily went dry. In response to the stress on the water supply, eight cities and towns began mandatory water rationing, mostly to curtail outdoor water usage.

Fortunately, a cool front began moving through northern Oklahoma the last day of the month. Tulsa's high temperature was 97 degrees, down 13 degrees from the previous day's high.

Table 1. Number of Days in July with Temperature  $\geq 100^{\circ}\text{F}$  for Selected Cities and Years in Oklahoma.

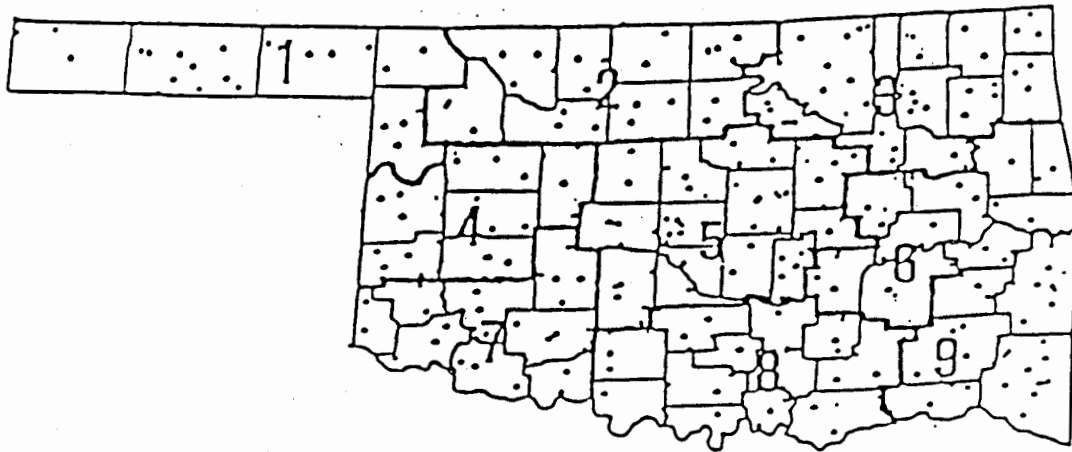
City	Climate District	1980	1985	1986	Average
Goodwell	1	22	8	10	6
Ponca City	2	19	7	8	6
Tulsa	3	25	2	8	6
Elk City	4	24	2	8	9
Oklahoma City	5	24	0	9	5
McAlaster	6	25	2	10	6
Altus	7	29	4	14	15
Ada	8	25	0	10	5
Hugo	9	22	2	10	6

TABLE OF 1985/1986 JULY COMPARISONS

Station	July Temperatures (F)		July Precipitation (in.)	
	1985	1986	1985	1986
Goodwell	78.9	80.1	.913	2.372
Lahoma	81.7	83.5	3.861	2.751
Mutual	80.7	84.1	7.14	1.231
Tulsa	83.2	86.8	2.382	1.083
Elk City	80.6	81.9	.880	5.282
Oklahoma City	80.9	86.0	1.164	.110
McAlester	81.9	85.4	.782	.221
Altus Irr Sta	84.0	85.7	1.151	1.640
Durant	82.3	86.0	3.521	.020
Ada	81.9	86.1	.742	.100
Tuskahoma	81.0	84.6	3.662	.771

JULY EXTREMES

Variable	Station	Division	Observation	Date
Minimum temperature (F)	Turpin	1	52	16
Maximum temperature (F)	Smithville	9	115	30
Maximum 24-hour precipitation	Bartlesville	3	5.15"	13



### 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 provides the general station distribution and the locations of the climate divisions. Each station table contains the following:

station name:-

station identification number: These are usually assigned by the National Climatic Data Center.

climate division: See the figure above.

mean monthly temperature:

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 a 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 degree. Missing observations may result in an artificially high or low value. For June, CDD would be calculated as:

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.

JULY 1986 SUMMARY FOR NORTHWEST DIVISION (CD1)

NAME	ID	DIV	DEV					HEAT		DEV		COOL		DEV		TOT PPT	NUM OBS	FROM NORM	MAX	24-HR DAY
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM	FROM NORM						
ARNETT	332	1	82.3	30	1.5	109.	29	66.	22	0.0	0.0	520.5	30.5	1.002	31	-1.09	.53	1		
BOISE CITY	908	1	78.4	31	.4	100.	30	57.	6	0.0	0.0	415.5	12.5	3.910	31	1.31	2.90	13		
BUFFALO	1243	1	86.6	31	3.2	115.	29	65.	26	0.0	0.0	669.5	99.5	1.570	31	-1.75	1.10	20		
FARGO	3070	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.021	31	-1.17	.62	1		
GAGE	3407	1	83.5	26	2.0	109.	29	62.	6	0.0	0.0	480.0	-32.0	.593	30	-1.52	.38	1		
GATE	3489	1	83.9	30	999.0	100.	28	65.	19	0.0	9999.0	567.5	9999.0	3.730	31	99.99	3.11	19		
GOODWELL RS ST	3628	1	80.1	30	.7	106.	29	59.	6	0.0	0.0	452.5	6.5	2.372	31	-5.1	1.19	1		
GUYMON	3835	1	82.1	31	999.0	106.	29	62.	26	0.0	9999.0	530.0	9999.0	3.180	31	99.99	1.61	21		
HOOKER	4298	1	81.2	31	.9	106.	30	62.	23	0.0	0.0	502.5	20.5	1.850	31	-1.08	.82	6		
KENTON	4766	1	77.1	30	-1.5	101.	29	56.	29	0.0	0.0	362.5	-59.5	4.070	31	1.18	1.49	14		
LAVERNE	5045	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.150	31	.66	1.94	20		
REGNIER	7534	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.260	31	-2.4	.67	20		
TURPIN	9017	1	81.6	29	999.0	110.	29	52.	16	0.0	9999.0	482.0	9999.0	2.460	31	99.99	1.03	1		

JULY 1986 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

NAME	ID	DIV	DEV					HEAT		DEV		COOL		DEV		TOT PPT	NUM OBS	FROM NORM	MAX	24-HR DAY
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM	FROM NORM						
ALVA	194	2	84.6	31	1.2	111.	30	61.	21	0.0	0.0	607.5	37.5	3.640	31	1.05	1.25	26		
BILLINGS	755	2	84.8	25	999.0	110.	30	64.	21	0.0	9999.0	494.0	9999.0	2.022	30	-1.50	.83	8		
BLACKWELL	818	2	86.0	31	999.0	114.	29	65.	21	0.0	9999.0	651.0	9999.0	3.230	31	99.99	1.77	7		
BRAMAN	1075	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.621	31	99.99	1.83	7		
CEDARDALE	1620	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.402	31	99.99	1.27	7		
ENID	2912	2	85.4	31	1.9	110.	29	66.	21	0.0	0.0	631.0	57.0	2.430	31	-.75	1.04	7		
FORT SUPPLY DAM	3304	2	82.1	30	.3	107.	29	64.	23	0.0	0.0	514.0	-7.0	6.370	31	4.18	4.94	20		
FREEDOM	3358	2	85.5	31	999.0	111.	29	64.	22	0.0	9999.0	634.0	9999.0	1.020	31	99.99	.80	1		
GREAT SALT PL DAM	3740	2	85.7	30	999.0	114.	29	66.	21	0.0	9999.0	620.5	9999.0	1.840	31	-1.34	1.02	1		
HARDY	3909	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.122	31	99.99	3.12	12		
HELENA	4019	2	85.1	30	999.0	113.	29	67.	19	0.0	9999.0	604.0	9999.0	2.502	31	-.58	1.34	1		
JEFFERSON	4573	2	87.2	31	3.6	113.	29	64.	21	0.0	0.0	689.0	112.0	.930	31	-2.99	.44	6		
LAHOMA AG	4950	2	83.5	30	999.0	113.	29	60.	6	0.0	9999.0	556.0	9999.0	2.751	31	99.99	.91	7		
LAMONT	5013	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.261	31	99.99	.39	23		
MEDFORD	5768	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.420	31	99.99	.70	6		
MORRISON	6065	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.880	31	99.99	.59	2		
MUTUAL	6139	2	84.1	30	1.5	112.	29	65.	22	0.0	0.0	573.0	27.0	1.231	31	-1.33	.42	23		
NEWKIRK	6278	2	85.0	31	2.5	110.	29	66.	21	0.0	0.0	621.5	78.5	5.660	31	2.11	1.75	13		
PERRY	7012	2	83.8	31	.6	111.	30	61.	21	0.0	0.0	581.5	17.5	2.290	31	-1.24	1.19	23		
PONCA CITY	7201	2	86.3	31	3.8	112.	29	67.	12	0.0	0.0	659.0	113.0	4.381	31	.28	2.26	12		
RED ROCK	7505	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.250	31	.53	2.75	24		
RENFROW	7556	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.440	31	-1.07	1.52	1		
WAYNOKA	9404	2	85.9	29	2.4	113.	29	63.	21	0.0	0.0	605.0	31.0	1.620	31	-.93	1.32	1		
WOODWARD	9760	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.012	31	-.81	1.37	20		

Note: 9999.0, 999.0, 99.99 indicate missing records.

Trace = .001

JULY 1986 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	DIV	DEV				MIN	DAY	DAY	DEG	DEG	DEG	DEG	TOT	NUM	DEV		24-HR	DAY
			MEAN	NUM	FROM	MAX										FROM	MAX		
BARNSDALL	535	3	84.9	30	999.0	109.	29	65.	3	0.0	9999.0	598.0	9999.0	2.843	31	- .36	1.33	13	
BARTLESVILLE	548	3	85.4	31	3.4	109.	30	66.	13	0.0	0.0	631.0	104.0	6.581	31	3.59	5.15	13	
BIXBY	782	3	83.7	28	1.9	109.	29	53.	16	0.0	0.0	523.5	2.5	.881	30	-2.33	.60	13	
BURBANK	1256	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.340	31	99.99	2.02	13	
CHELSEA	1717	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.180	31	99.99	3.42	13	
CLAREMORE	1828	3	83.6	30	2.0	108.	30	66.	13	0.0	0.0	559.0	44.0	3.171	31	.09	1.81	13	
CLEVELAND	1902	3	85.1	28	999.0	110.	29	66.	14	0.0	9999.0	563.5	9999.0	.570	29	99.99	.57	2	
FORAKER	3250	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.181	31	.71	2.83	13	
HOLLOW	4258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.170	31	1.42	4.45	13	
HOMINY	4289	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.123	31	- .30	2.20	13	
JAY TOWER	4567	3	83.6	31	999.0	108.	31	65.	13	0.0	9999.0	576.5	9999.0	2.530	31	99.99	2.17	13	
KANSAS	4672	3	82.5	31	999.0	107.	30	66.	13	0.0	9999.0	542.0	9999.0	1.503	31	99.99	1.12	13	
KEYSTONE DAM	4812	3	83.8	30	999.0	110.	30	63.	22	0.0	9999.0	563.0	9999.0	1.560	31	99.99	.63	2	
LENAPAH	5118	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.080	31	99.99	3.54	13	
MANNFORD	5522	3	85.4	31	999.0	112.	30	64.	13	0.0	9999.0	631.5	9999.0	1.920	31	99.99	.85	1	
MARAMEC	5540	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.361	31	- .76	1.14	13	
MIAMI	5855	3	81.6	30	.5	107.	29	62.	1	0.0	0.0	498.5	- .5	1.951	31	-1.98	1.63	12	
NOWATA	6485	3	84.5	31	2.4	107.	30	67.	13	0.0	0.0	603.0	73.0	4.831	31	1.89	4.00	13	
ONETA	6713	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.221	31	99.99	.48	13	
PAWNEE	6937	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.160	31	99.99	2.35	13	
PAWNEE	6940	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.030	31	-1.10	.82	13	
PRYOR	7309	3	80.3	25	-1.3	105.	30	53.	3	0.0	0.0	381.5	-133.5	3.933	29	.87	3.41	13	
QUAPAW	7358	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.510	31	-1.26	1.05	22	
RALSTON	7390	3	86.4	31	999.0	111.	29	66.	2	0.0	9999.0	663.5	9999.0	2.521	31	- .97	1.49	13	
RAMONA	7394	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.321	31	99.99	4.83	13	
SKIATOOK	8258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.162	31	- .25	2.39	13	
SPAVINAW	8380	3	85.0	31	999.0	107.	31	65.	13	0.0	9999.0	618.5	9999.0	3.050	31	- .68	2.17	13	
SPAVINAW LAKE	8382	3	84.6	30	999.0	107.	31	65.	14	0.0	9999.0	588.0	9999.0	3.050	31	99.99	2.17	13	
STILWELL	8506	3	83.2	31	999.0	108.	30	64.	3	0.0	9999.0	563.0	9999.0	.791	31	-2.94	.32	13	
TULSA	8992	3	86.8	30	3.6	110.	30	67.	13	0.0	0.0	653.0	89.0	1.083	31	-2.43	.88	14	
UPPER SPAVINAW	9101	3	87.5	30	999.0	110.	29	70.	3	0.0	9999.0	675.5	9999.0	3.420	31	99.99	2.56	13	
VINITA	9203	3	83.8	31	2.7	105.	31	64.	3	0.0	0.0	581.5	82.5	3.290	31	- .09	2.38	13	
WAGONER	9247	3	85.2	31	2.8	109.	30	66.	13	0.0	0.0	626.0	87.0	2.200	31	-1.30	1.11	13	
WANN	9298	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.053	31	99.99	3.85	13	
WYONNA	9792	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.962	31	99.99	1.35	13	

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

## JULY 1986 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	DIV	DEV				HEAT		DEV		COOL		DEV		TOT PPT	NUM OBS	DEV	
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM	MAX 24-HR			DAY	
CANTON DAM	1445	4	85.4	29	2.5	112.	29	68.	23	0.0	0.0	591.5	36.5	2.500	31	.09	1.22	1
CHEYENNE	1738	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.320	31	99.99	1.56	1
CLINTON	1909	4	86.7	30	3.4	112.	29	66.	19	0.0	0.0	651.0	84.0	2.810	31	.29	1.43	7
COLONY	2039	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.160	31	99.99	1.32	7
CORDELL	2125	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.831	31	.31	1.17	7
ELK CITY	2849	4	81.9	31	999.0	105.	31	63.	19	0.0	9999.0	523.0	9999.0	5.282	31	2.87	3.84	7
ERICK	2944	4	83.6	31	1.7	108.	29	63.	19	0.0	0.0	578.0	54.0	2.041	31	-.09	1.80	1
GEARY	3497	4	83.9	29	.9	107.	31	66.	21	0.0	0.0	549.5	-8.5	1.800	29	-.67	1.10	7
HAMMON	3871	4	83.3	30	.3	110.	28	65.	19	0.0	0.0	548.5	-9.5	2.100	31	-.05	.90	1
MORAVIA	6035	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.180	31	1.89	1.53	11
OKEENA	6629	4	85.7	31	1.8	110.	29	68.	23	0.0	0.0	643.0	57.0	2.750	31	.41	1.55	7
RETROP	7565	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.920	31	99.99	.92	7
REYDON	7579	4	83.1	31	999.0	110.	28	60.	15	0.0	9999.0	561.5	9999.0	2.760	31	.67	1.18	1
SAYRE	7952	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.911	31	-1.16	.79	1
SWEETWATER	8652	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.840	31	99.99	.91	1
TALOGA	8708	4	85.6	31	3.4	111.	29	62.	19	0.0	0.0	638.0	105.0	2.181	31	-.44	1.42	8
THOMAS	8815	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.090	31	99.99	1.12	7
VICI	9172	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.333	31	99.99	.30	22
WATONGA	9364	4	85.0	31	999.0	109.	29	66.	21	0.0	9999.0	619.0	9999.0	2.432	31	.19	1.06	7
WEATHERFORD	9422	4	83.8	30	.8	110.	30	66.	21	0.0	0.0	563.5	5.5	3.232	31	.74	1.10	7

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



## JULY 1986 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	DIV	DEV			MIN	DAY	TEMP	DAY	HEAT DEG	DEV FROM NORM	COOL DEG	DEV FROM NORM	TOT PPT	NUM OBS	FROM NORM	MAX 24-HR	DAY
			MEAN	NUM	FROM													
AMBER	200	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.050	31	99.99	.05	1
ARCADIA	288	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.460	31	99.99	.33	2
TINKER AFB	325	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.170	31	99.99	.16	2
BLANCHARD	830	5	85.7	31	999.0	108.	30	67.	3	0.0	9999.0	643.0	9999.0	.123	31	99.99	.07	21
BRISTOW	1144	5	85.6	28	3.4	111.	30	64.	3	0.0	0.0	576.0	43.0	.182	31	-3.38	.15	13
CHANDLER	1684	5	86.2	31	3.4	110.	29	69.	22	0.0	0.0	657.0	105.0	.161	31	-3.18	.16	1
CHICKASHA	1750	5	87.0	31	4.0	109.	30	67.	4	0.0	0.0	681.0	123.0	.110	31	-2.41	.11	1
COX CITY	2196	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	0.000	31	99.99	0.00	31
CRESCENT	2242	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.850	31	99.99	.55	11
CUSHING	2318	5	84.8	30	2.4	107.	29	68.	14	0.0	0.0	595.0	56.0	4.611	31	.89	2.00	23
EL RENO	2818	5	84.5	31	2.0	109.	29	64.	10	0.0	0.0	606.0	63.0	1.050	31	-1.72	.30	10
GUTHRIE	3821	5	87.4	31	4.3	112.	29	70.	22	0.0	0.0	695.5	134.5	1.420	31	-1.42	.41	2
HENNESSEY	4055	5	85.8	31	2.1	112.	29	68.	23	0.0	0.0	645.0	65.0	2.511	31	.00	1.59	1
INGALLS	4489	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.640	31	99.99	1.35	3
KINGFISHER	4861	5	85.9	31	2.2	110.	29	68.	22	0.0	0.0	647.5	67.5	1.110	31	-1.46	.43	1
KINGFISHER CREEK	4862	5	86.4	30	999.0	110.	28	68.	22	0.0	9999.0	643.0	9999.0	1.261	31	99.99	.43	1
UJC KINGFISHER	4864	5	86.4	30	999.0	110.	28	68.	22	0.0	9999.0	641.0	9999.0	1.261	31	99.99	.43	1
KONOWA	4915	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.101	31	-2.43	.06	22
MARSHALL	5589	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.460	31	-.13	1.34	2
MEEKER	5779	5	86.0	28	3.7	108.	30	68.	5	0.0	0.0	587.5	51.5	0.000	28	-3.01	0.00	31
MULHALL	6110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.000	31	99.99	1.15	2
NORMAN	6386	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.040	31	-3.19	.03	11
DILTON	6616	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.290	31	99.99	1.18	23
OKEMAH	6638	5	85.0	31	2.9	108.	30	68.	3	0.0	0.0	619.5	89.5	1.630	31	-1.75	1.56	23
OKLAHOMA CITY	6661	5	86.0	31	3.9	109.	30	68.	19	0.0	0.0	650.0	120.0	.110	31	-2.93	.05	2
PERKINS	7003	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.910	31	-2.62	.71	2
PIEDMONT	7068	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.080	31	99.99	.46	23
PRAGUE	7264	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.150	31	-3.06	.15	2
PURCELL	7327	5	84.6	31	1.8	109.	29	59.	19	0.0	0.0	609.0	57.0	.001	31	-3.00	.00	22
SEMINOLE	8042	5	87.0	31	3.3	109.	30	67.	19	0.0	0.0	683.5	103.5	0.000	31	-2.95	0.00	31
SHAWNEE	8110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.770	31	-1.89	.65	23
STELLA	8479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	0.000	31	99.99	0.00	31
STILLWATER	8501	5	83.4	30	1.3	110.	29	64.	13	0.0	0.0	551.5	21.5	1.941	31	-1.85	1.31	2
STROUD	8563	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.551	31	99.99	.46	2
TECUMSEH	8751	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.032	31	99.99	.03	23
TROUSDALE	8960	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	0.000	31	99.99	0.00	31
UNION CITY	9086	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.170	31	-1.97	.17	1
WELTY	9479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.700	31	99.99	.55	2
WENOKA	9575	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.030	31	-2.76	.03	23

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

### JULY 1986 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	DIV	DEV			HEAT			DEV			DEV						
			MEAN TEMP	NUM OBS	FROM MAX	MIN TEMP	DAY	DEG	FROM	DEG	FROM	TOT PPT	NUM OBS	FROM MAX	MAX 24-HR DAY			
MCLESTER	5664	6	85.4	31	2.7	110.	30	68.	19	0.0	0.0	631.0	57.0	.221	31	-3.19	.11	21
ASHLAND	364	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.322	31	99.99	.32	21
BEGGS	631	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.120	31	99.99	.12	22
BOYNTON	1027	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.270	31	99.99	.15	4
CALVIN	1391	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.222	31	-2.33	.54	22
CHECOTAH	1711	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.151	31	-3.31	.14	21
CLAYTON	1858	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.001	31	99.99	.00	1
DEWAR	2485	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.591	31	-2.95	.49	21
DUSTIN	2690	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.680	31	99.99	1.65	22
EUFAULA	2993	6	86.4	30	999.0	109.	30	70.	7	0.0	9999.0	641.5	9999.0	.890	31	-2.76	.59	21
HANNA	3884	6	85.0	31	999.0	109.	30	64.	3	0.0	9999.0	621.0	9999.0	.380	31	-2.78	.25	23
HARTSHORNE	3946	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.100	31	99.99	.09	23
HASKELL	3956	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.282	31	-2.90	.22	2
SCIPIO	7979	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.800	31	99.99	.78	23
HOLDENVILLE	4235	6	85.0	31	2.4	110.	30	66.	3	0.0	0.0	621.5	75.5	.030	31	-3.43	.03	12
LAKE EUFAULA	4975	6	85.3	30	999.0	109.	30	69.	23	0.0	9999.0	609.0	9999.0	.340	31	99.99	.18	23
LYONS	5437	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.940	31	-2.28	.82	13
MCCURTAIN	5693	6	86.7	31	999.0	110.	31	69.	23	0.0	9999.0	671.5	9999.0	.162	31	-3.65	.11	5
MUSKOGEE	6130	6	85.9	29	3.3	112.	30	67.	3	0.0	0.0	607.0	61.0	.590	31	-2.51	.15	31
OKMULGEE WATER WORK	6670	6	84.5	30	2.8	108.	29	65.	18	0.0	0.0	584.5	66.5	.270	31	-2.78	.20	1
OKTAHA	6678	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.560	31	99.99	.31	21
QUINTON	7372	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.071	31	-3.73	.04	1
SALLISAW	7862	6	82.9	31	.8	108.	30	65.	19	0.0	0.0	555.5	25.5	1.222	31	-2.33	1.00	21
SCIPIO	7979	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.800	31	99.99	.78	23
SCRAPER	7993	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.350	31	99.99	2.20	12
TAHLEQUAH	8677	6	84.6	31	3.9	110.	30	65.	3	0.0	0.0	606.5	119.5	1.190	31	-2.20	.45	13
WEBBERS FALLS	9445	6	84.7	30	2.6	108.	30	67.	3	0.0	0.0	590.5	60.5	.790	31	-2.36	.54	21
WESTVILLE	9523	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.020	31	99.99	1.30	13
WETUMKA	9571	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.221	31	-1.97	1.22	23

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

JULY 1986 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	DIV	DEV					HEAT		DEV		COOL		DEV		TOT		DEV	
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	DEG	FROM	PPT	NUM	FROM	MAX	24-HR	DAY
ALTUS IRR STA	179	7	85.7	31	1.1	108.	31	62.	22	0.0	0.0	641.5	33.5	1.640	31	-28	.65	21	
ALTUS DAM	184	7	84.8	30	999.0	107.	30	68.	21	0.0	9999.0	593.0	9999.0	1.990	31	-.61	.88	1	
ANADARKO	224	7	85.3	27	2.1	108.	30	65.	19	0.0	0.0	547.0	-17.0	1.050	28	-1.51	.93	1	
CARNEGIE	1504	7	86.5	31	2.0	110.	29	66.	3	0.0	0.0	667.0	87.0	1.360	31	-1.20	.71	1	
CHATTANOOGA	1706	7	86.3	31	2.0	110.	30	64.	20	0.0	0.0	660.0	62.0	.760	31	-1.79	.23	1	
ALTUS AFB	447	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.303	31	99.99	1.95	21	
DUNCAN	2668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.002	31	99.99	.00	13	
FLETCHER	3191	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.981	31	99.99	.98	1	
FREDERICK	3353	7	86.2	30	.3	109.	30	65.	21	0.0	0.0	634.5	-10.5	3.183	31	.99	1.91	21	
HOLLIS	4249	7	85.4	31	.5	108.	28	62.	19	0.0	0.0	631.5	14.5	1.321	31	-.55	.73	1	
HOBART FAA	4204	7	84.9	24	1.4	109.	31	66.	19	0.0	0.0	477.0	-97.0	.570	29	-1.92	.33	21	
LAWTON	5063	7	86.1	30	2.4	108.	30	66.	18	0.0	0.0	631.5	51.5	.350	31	-2.16	.28	1	
FT SILL	5068	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.322	31	-2.19	.14	1	
LOCO	5247	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	0.000	31	99.99	0.00	31	
LOOKEBA	5329	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.860	31	99.99	.76	1	
MANGUM RS STN	5509	7	85.5	31	1.6	111.	30	65.	21	0.0	0.0	634.0	48.0	2.540	31	-.15	1.65	21	
RANDLETT	7403	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.382	31	99.99	1.38	21	
ROOSEVELT	7727	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.880	31	-.49	.93	1	
SEDAN	8016	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.470	31	99.99	1.43	21	
SNYDER	8299	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.660	31	-.81	.92	21	
VINSON	9212	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.990	31	.03	1.25	21	
WALTERS	9278	7	86.3	31	1.8	109.	31	64.	19	0.0	0.0	661.5	56.5	.150	31	-2.81	.13	11	
WICHITA MT WL REF	9629	7	83.9	30	1.3	110.	25	62.	4	0.0	0.0	566.0	20.0	1.590	31	-.90	.70	21	
WILLOW	9668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.721	31	99.99	.67	1	

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

### JULY 1986 SUMMARY FOR SOUTHCENTRAL DIVISION (CD8)

NAME	ID	DIV	DEV					HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		24-HR DAY		
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN TEMP							FROM NORM	FROM NORM		MAX	
ADA	17	8	86.1	31	3.4	106.	31	70.	3	0.0	0.0	654.0	105.0	.100	31	-2.59	.10	12
ALLEN	147	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.110	31	99.99	3.00	20
ARDMORE	292	8	85.9	31	1.1	109.	31	69.	19	0.0	0.0	648.5	34.5	.370	31	-1.93	.37	2
ATOKA DAM	394	8	86.2	30	999.0	109.	30	69.	21	0.0	9999.0	637.5	9999.0	0.000	31	99.99	0.00	31
BOKCHITO	917	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.350	31	99.99	.25	5
CANEY	1437	8	84.3	30	999.0	104.	30	70.	23	0.0	9999.0	578.5	9999.0	0.000	31	99.99	0.00	31
CHICKASHA NRA	1745	8	85.7	30	999.0	109.	30	66.	3	0.0	9999.0	621.0	9999.0	.260	31	99.99	.20	2
COLEMAN	2011	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.001	31	99.99	.00	3
COMANCHE	2054	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.150	31	99.99	.15	12
DAISY	2354	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.890	31	-3.43	.62	22
DURANT USDA	2678	8	86.0	30	999.0	108.	30	67.	3	0.0	9999.0	629.5	9999.0	.020	31	-2.52	.02	5
ELMORE CITY	2872	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	0.000	31	99.99	0.00	31
FARRIS	3083	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.660	31	99.99	1.44	22
GRADY	3688	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	0.000	31	99.99	0.00	31
HEALDTON	4001	8	86.1	31	999.0	110.	31	63.	19	0.0	9999.0	655.5	9999.0	.020	31	-2.35	.02	12
HENNEPIN	4052	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	0.000	31	99.99	0.00	31
KINGSTON	4865	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.600	31	-1.73	.60	22
LEHIGH	5108	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.220	31	99.99	.22	2
LINDSAY	5216	8	86.2	29	999.0	109.	30	64.	19	0.0	9999.0	614.5	9999.0	0.000	31	-2.61	0.00	31
MADILL	5468	8	85.4	31	1.7	109.	31	69.	4	0.0	0.0	632.5	52.5	.120	31	-2.16	.12	22
MARIETTA	5563	8	86.4	31	2.8	110.	31	69.	3	0.0	0.0	664.0	87.0	0.000	31	-2.14	0.00	31
MARLOW	5581	8	84.9	31	999.0	110.	31	62.	3	0.0	9999.0	616.0	9999.0	.030	31	-2.54	.03	12
OSWALT	6787	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	0.000	31	99.99	0.00	31
PAULS VALLEY	6926	8	86.1	30	2.0	110.	31	64.	19	0.0	0.0	632.0	40.0	.721	31	-1.61	.40	20
PONTOTOC	7214	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	0.000	31	-2.59	0.00	31
TISHOMINGO	8884	8	86.6	20	999.0	111.	30	60.	21	0.0	9999.0	432.0	9999.0	0.000	24	-2.70	0.00	31
TUSSY	9032	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.020	31	99.99	.02	12
HAURIKA	9395	8	86.1	31	1.4	108.	31	67.	19	0.0	0.0	655.5	44.5	.010	31	-2.27	.01	22

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

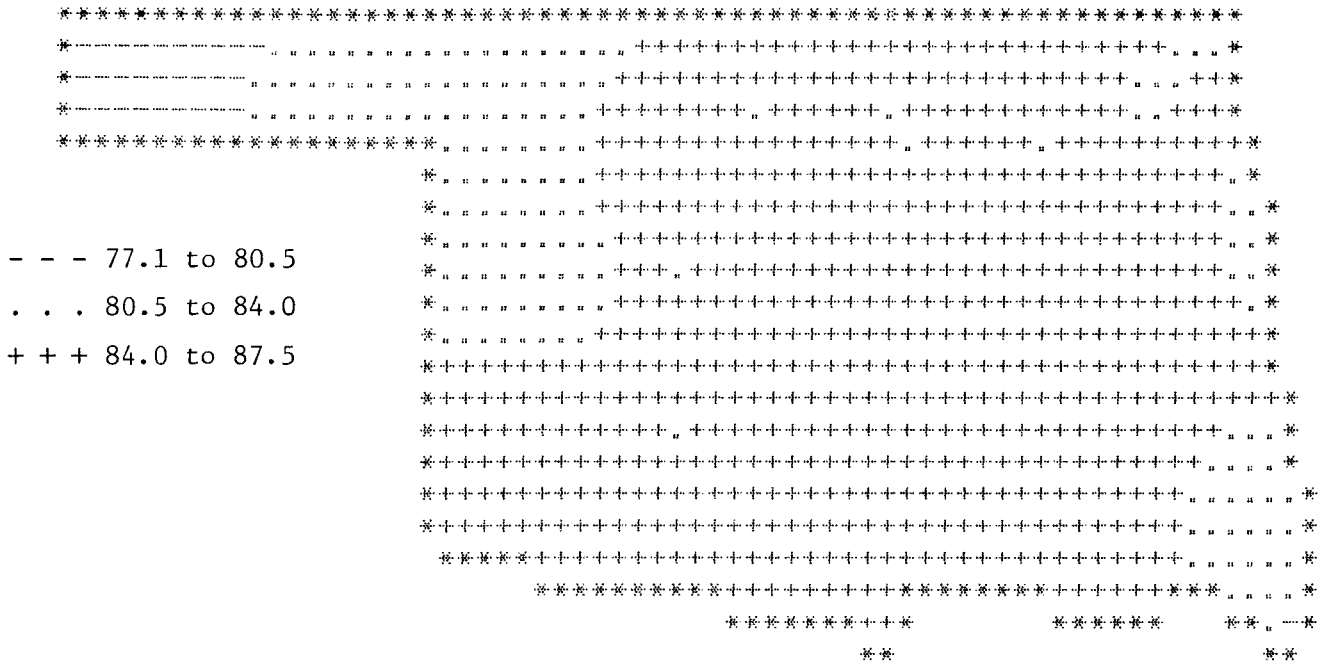
### JULY 1986 SUMMARY FOR SOUTHEAST DIVISION (CD9)

NAME	ID	DIV	DEV						HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	DEV				
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	TEMP DAY						NUM OBS	FROM NORM	MAX 24-HR	DAY	
ANTLERS	256	9	84.3	31	2.3	108.	31	64.	19	0.0	0.0	599.5	72.5	.390	31	-2.78	.39	2
BEAR MT	584	9	85.9	29	999.0	108.	31	67.	12	0.0	9999.0	606.5	9999.0	2.450	31	-1.60	2.45	2
BATTIEST	567	9	82.5	30	999.0	110.	31	63.	18	0.0	9999.0	525.0	9999.0	1.482	31	99.99	1.04	2
BENGAL	670	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.110	31	99.99	.10	23
BOSWELL	980	9	84.7	31	999.0	108.	31	67.	16	0.0	9999.0	612.0	9999.0	.002	31	-2.65	.00	21
BROKEN BOW	1162	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.680	31	-1.19	2.05	2
BROKEN BOW DAM	1168	9	83.5	30	999.0	107.	29	65.	18	0.0	9999.0	555.5	9999.0	1.270	31	99.99	.79	2
BUFFALO MT TW	1251	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.940	31	99.99	2.45	21
CARNASAW TW	1499	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.210	31	-2.93	.70	2
CARTER MT	1544	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.810	31	-2.58	1.15	2
FANSHAW	3065	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.430	31	-3.60	.30	9
HEAVENER	4008	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.161	31	-3.40	.16	23
HEE MT TW	4017	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.581	31	99.99	.25	22
HUGO	4384	9	84.6	31	1.6	109.	31	67.	19	0.0	0.0	607.0	49.0	.730	31	-2.32	.53	22
IDABEL	4451	9	83.8	30	1.9	104.	30	69.	19	0.0	0.0	564.0	40.0	2.210	31	-1.34	2.21	2
JADIE TOWER	4560	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.430	31	99.99	2.43	2
SMITHVILLE	8285	9	82.3	30	999.0	115.	30	61.	23	0.0	9999.0	520.5	9999.0	.690	31	99.99	.31	22
AL TOWER	8305	9	84.0	28	999.0	106.	30	70.	3	0.0	9999.0	531.5	9999.0	1.751	30	-1.97	1.75	3
SPIRO	8416	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.090	31	-2.70	.92	23
TUSKAHOMA	9023	9	84.6	31	999.0	112.	31	64.	19	0.0	9999.0	609.0	9999.0	.771	31	99.99	.62	22
VALLIANT	9118	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.590	31	-1.99	1.39	2
WILBURTON	9634	9	85.9	31	3.9	111.	30	67.	3	0.0	0.0	646.5	119.5	.150	31	-4.18	.15	23
WISTER DAM	9719	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.920	14	99.99	.29	10
ZOE	9985	9	84.4	30	999.0	109.	30	62.	3	0.0	9999.0	581.5	9999.0	1.080	31	-3.01	1.00	23

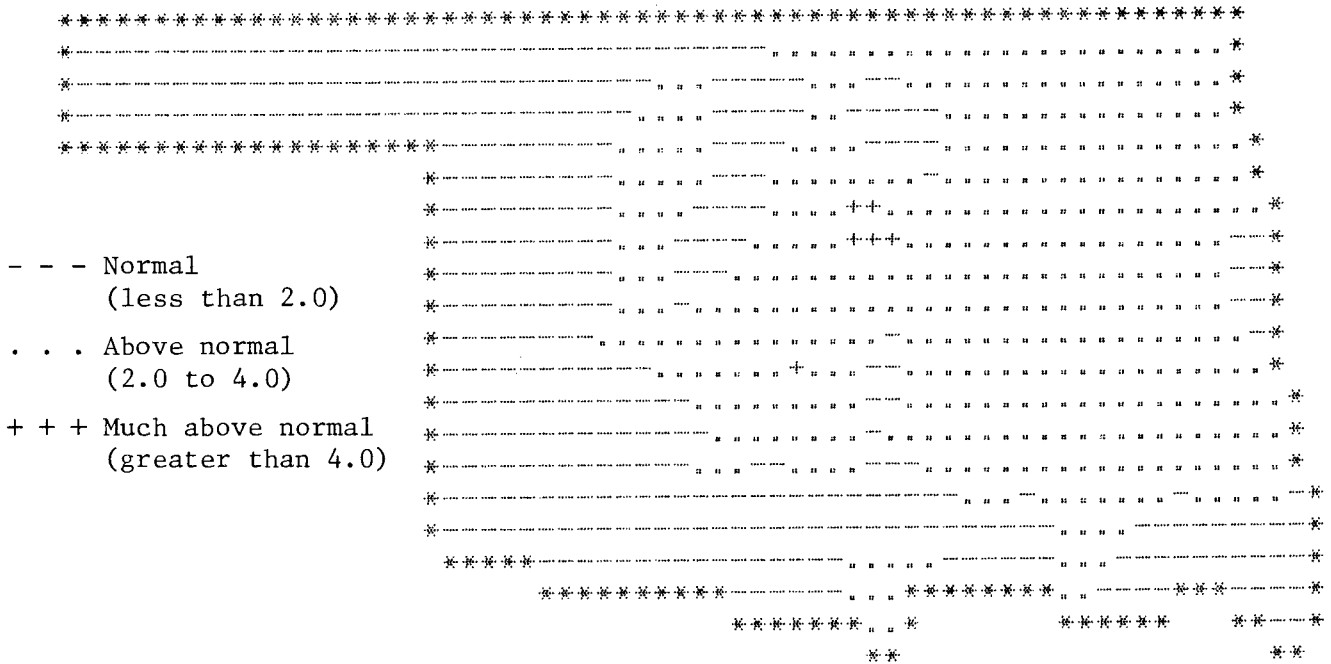
### JULY 1986 CLIMATE DIVISION SUMMARY

CLIMATE DIV	MEAN TEMP	NUM STA	DEV			HEAT DEGREE DAYS	DEV FROM NORM	COOL DEGREE DAYS	DEV FROM NORM	TOT PPT	DEV					
			FROM NORM	MAX TEMP	MIN DAY						NUM STA	FROM NORM	MAX 24-HR	DAY		
1	81.5	9	1.2	115.0	29	52.0	16	0.0	0.0	500.3	26.4	2.40	13	-.20	3.11	19
2	85.0	14	2.1	114.0	29	60.0	6	0.0	0.0	610.5	53.3	2.76	24	-.44	4.94	20
3	84.5	19	2.7	112.0	30	53.0	3	0.0	0.0	592.6	69.3	2.93	35	-.46	5.15	13
4	84.4	11	1.5	112.0	29	60.0	15	0.0	0.0	587.9	33.0	2.52	20	.18	3.84	7
5	85.8	17	3.0	112.0	29	59.0	19	0.0	0.0	631.2	80.9	.90	39	-2.09	2.00	23
6	85.1	11	3.1	112.0	30	64.0	3	0.0	0.0	612.7	79.7	.68	29	-2.72	2.20	12
7	85.6	11	1.6	111.0	30	62.0	4	0.0	0.0	624.3	33.1	1.42	24	-1.00	1.95	21
8	85.8	13	1.9	111.0	30	60.0	21	0.0	0.0	633.8	46.6	.32	27	-2.25	3.00	20
9	84.2	12	2.0	115.0	30	61.0	23	0.0	0.0	579.9	45.9	1.22	23	-2.51	2.45	21

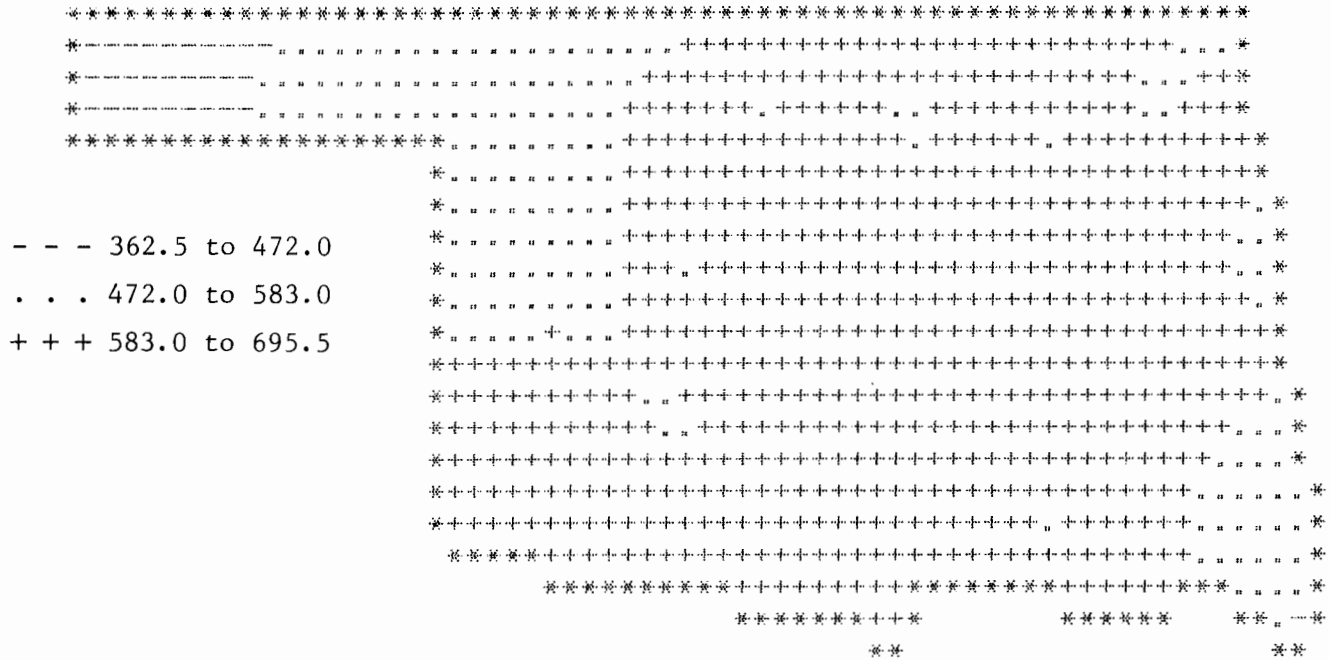
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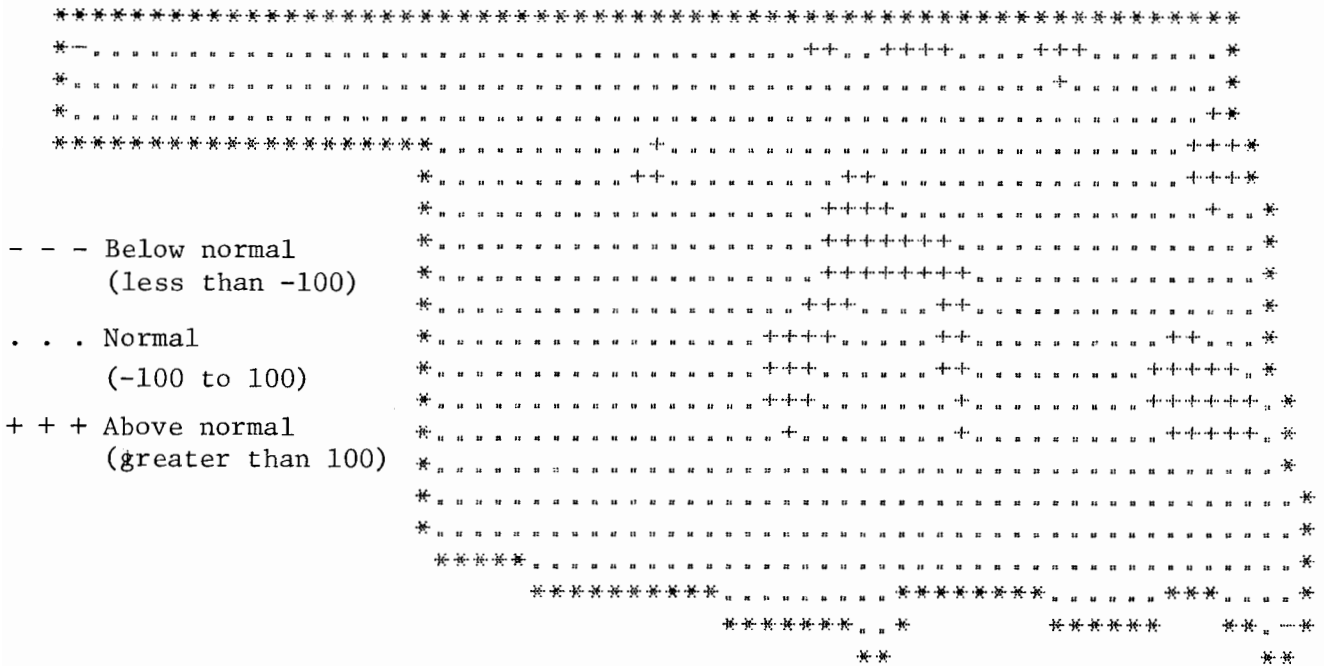
JULY 1986 AVERAGE MONTHLY TEMPERATURE  
(DEGREES F)



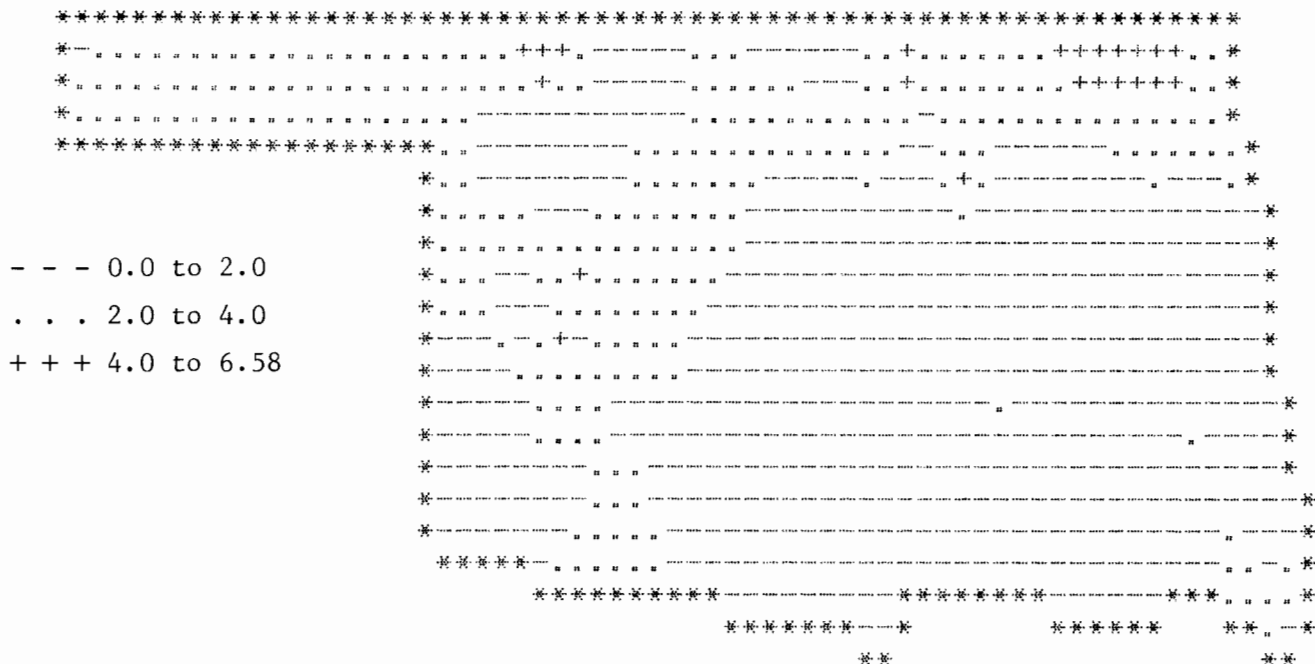
JULY 1986 DEVIATION FROM NORMAL TEMPERATURE



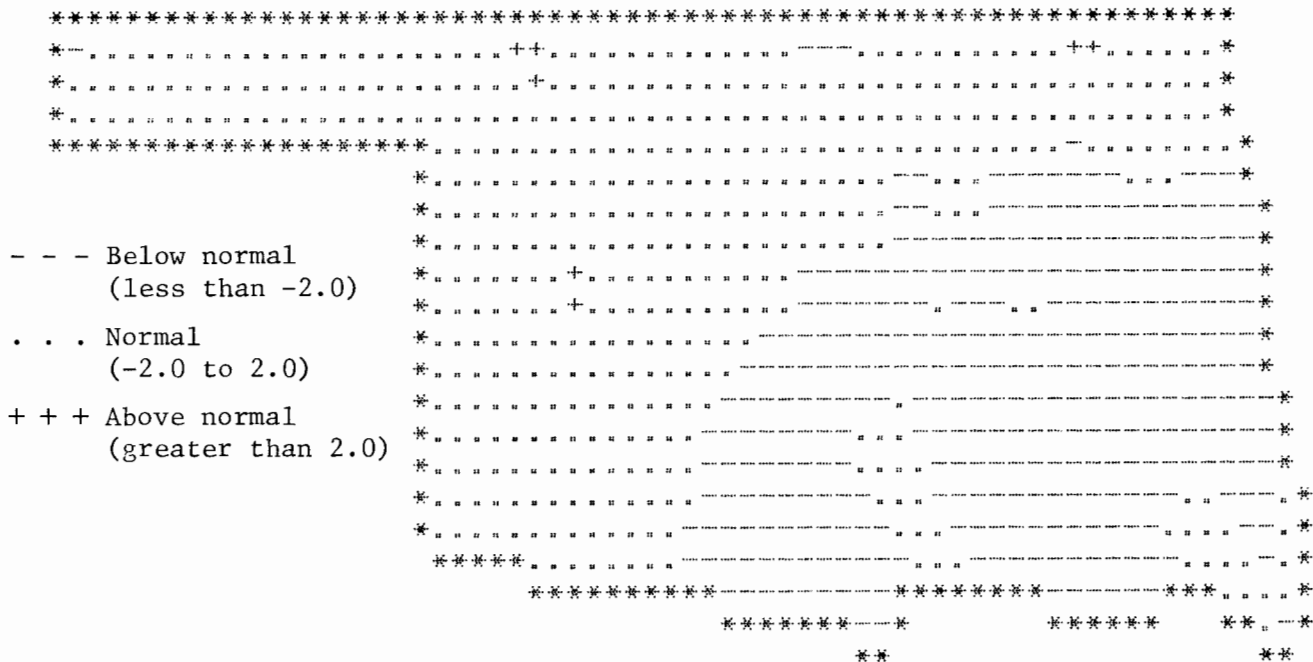
### JULY 1986 TOTAL COOLING DEGREE DAYS



### JULY 1986 DEVIATION FROM NORMAL COOLING DEGREE DAYS



### JULY 1986 TOTAL PRECIPITATION (INCHES)



### JULY 1986 DEVIATION FROM NORMAL PRECIPITATION



