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 1986

August brought considerable relief to Oklahoma by means of cooler and wetter weather. Mean monthly temperatures were typically 4 to 7 degrees lower than those of July 1986 and from 1 to 3 degrees below the August long-term mean (see Table 1). Rainfall amounts were significantly above normal (except for south central and southeastern Oklahoma). As a result, the number of communities rationing water decreased from 29 on August 8th to 11 on the 29th, according to Reese Daugherty of the Oklahoma Water Resources Board. During the month, the State Health Department issued only one new heat alert which was in effect for southwestern Oklahoma.

The month began very wet as a cold front moved through Oklahoma from the Panhandle to McAlester. In some locations storms were quite vigorous, producing a myriad of problems. 60 mph winds accompanying storms in Dewey reduced visibility to zero and stopped traffic along U.S. 60 in Oklahoma. Also in northeastern Oklahoma, Broken Arrow reported baseball size hail and 3000 Tulsans lost their electrical power due to the storms. Winds destroyed 4 mobile homes in Hinton in central Oklahoma, while further west, lightning set ablaze several acres of grassland in the Woodward area. As the storms left the State, lingering clouds kept temperatures low and Oklahomans in the southwest part of the State enjoyed their first day in 10 days with a high temperature below 100 degrees. Lawton recorded a high of 95 on the 2nd. On the 3rd Oklahoma City's high of 91 was its coolest since July 11th.

Another round of stong storms crossed the State on the fifth as an upper level disturbance moved southeastward from western Kansas into Oklahoma, dumping rain on every climate division.

Over two inches of rain were reported at Jay Town in northeastern Oklahoma. Hail was reported in Hughes, Coal and Grady Counties. The greatest damage report came from Lake Waurika, in the south central county of Jefferson, where winds demolished a marina resulting in an estimated $230,000 damage.

A slow moving front entered northern Oklahoma on the 8th. Much of the northeastern section of the State was under a flash flood watch. Rainfall reports included Bartlesville (where 10 homes were struck by lightning) 5.5 inches, Ralston 4.35 inches, Stillwater 3.52 inches (with hail) and Nowata 2.2 inches.

As the front was weakening it encountered an upper level storm system which provided the impetus to generate numerous showers and thunderstorms on the 9th. Later in the day, with the added ingredient of afternoon heating, severe storms developed and warnings were issued for 11 Counties. Golfball size hail fell at Lawton and near Oklahoma City. Tulsa reported 60 mph winds.

Thunderstorms on the 14th delivered additional much needed rainfall to the western half of the State, replenishing water supplies. On the 15th, the eastern half received its share of rainfall and also a somewhat rare phenomena. While a weak wind profile and only modest instablility existed, a funnel cloud developed about 6 1/2 miles northeast of Chandler. Although a thunderstorm was nearby, this funnel was quite unusual since meteorological conditions were far from typical for tornadic activity. National Weather Service lead forecaster Ken Huckabee stated that "a very small, weak tornado did touch down" as it "came out of a weak thunderstorm." He added that this tornado was "very unusual" especially in Oklahoma in August and he likened it to a dust devil. No damages or injuries were reported.

As high pressure settled in over Oklahoma, low winds and high temperatures resulted and served as a reminder of the severity of Oklahoma summers. The conditions prompted a heat alert for southwestern Oklahoma on the 18th. Temperatures in the area included Chattanooga 102 degrees, Fredercik 105 degrees, Hobart 110 degrees, and Walters 100 degrees.

The high slowly weakened and on the 23rd a weak cold front entered the State delivering some scattered showers. A few days later, in the wake of overnight showers, unseasonably cooler weather greeted Oklahomans the morning of the 28th. Gage's 51 degree reading was the State's lowest while Oklahoma City's 58 degrees was 2 degrees shy of an 80 year record for the date. Temperatures remained slightly below normal for the remainder of the month.

Table 1. August 1986 mean temperatures were below normal and much below July mean temperatures as shown below.

MEAN TEMPERATURES

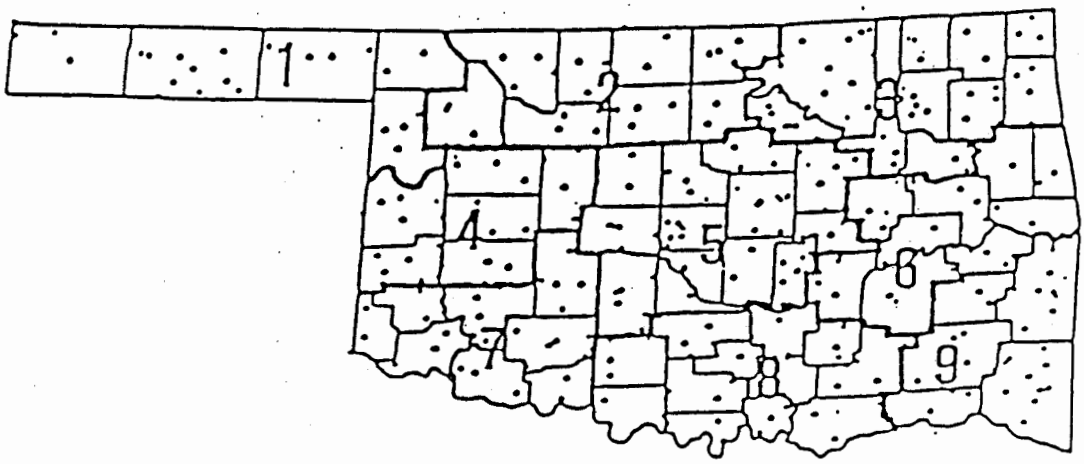
CD	July 1986	August 1986	August normal
1	82.8	77.5	79.6
2	85.2	78.2	81.5
3	84.6	77.1	80.5
4	84.3	79.1	81.6
5	85.7	79.4	81.6
6	85.0	79.2	81.5
7	85.9	81.5	83.0
8	85.8	81.6	82.9
9	84.2	79.9	81.4

TABLE OF 1985/1986 AUGUST COMPARISONS

	August Temperatures (F)		August Precipitation (in.)	
Station	1985	1986	1985	1986
Goodwell	77.1	76.1	1.015	2.745
Lahoma	77.3	78.0	5.600	5.141
Mutual	77.3	78.3	5.250	4.091
Tulsa	80.9	78.3	1.911	4.021
Elk City	80.4	78.1	2.954	3.743
Oklahoma City	81.7	80.3	2.634	3.203
McAlester	83.4	80.1	4.620	3.111
Altus Irr St	85.5	81.8	1.512	5.870
Durant	85.3	81.7	.070	5.100
Ada	82.6	77.8	4.020	1.293
Tuskahoma	84.0	79.8	2.260	3.771

AUGUST EXTREMES

Variable	Station	Division	Observation	Date
Minimum temperature (F)	Miami	3	47	28
Maximum temperature (F)	Lindsay	7	110	1
	Tuskahoma	9	110	1
Maximum 24-hour	Checotah	6	5.60"	10



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 calculted 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 recieved. A negative valued 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 station 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 catory, 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.

AUGUST 1986 SUMMARY FOR NORTHWEST DIVISION (CD1)

NAME	ID	DIV	MEAN TEMP	DEV NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ARNETT	332	1	77.7	30	-1.6	103.	1	54.	29	0.0	0.0	381.5	-61.5	2.663	31	.25	1.70	15
BEAVER	593	1	77.6	30	-2.0	105.	1	53.	29	.5	.5	378.0	-75.0	3.750	31	.94	1.68	31
BOISE CITY	908	1	74.4	31	-1.3	99.	18	53.	28	2.0	2.0	294.5	-37.5	6.540	31	4.16	3.90	30
BUFFALO	1243	1	79.4	31	-2.4	109.	1	52.	29	1.0	1.0	446.0	-75.0	6.210	31	2.87	1.31	21
FARGO	3070	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.110	31	2.64	2.96	15
GAGE	3407	1	78.1	30	-2.0	105.	1	51.	28	1.5	1.5	393.5	-74.5	5.575	31	3.16	3.80	15
GATE	3489	1	77.3	30	999.0	100.	6	54.	27	0.0	9999.0	369.0	9999.0	4.790	31	99.99	1.72	13
GOODWELL RES ST	3628	1	76.1	30	-1.3	102.	1	52.	28	0.0	0.0	332.0	-52.0	2.745	31	.38	.78	16
GUYMON	3835	1	76.3	31	999.0	99.	18	53.	28	1.5	9999.0	352.5	9999.0	4.723	31	99.99	1.90	15
HOOKER	4298	1	76.2	31	-2.0	102.	2	53.	29	.5	.5	347.0	-62.0	1.740	31	-1.04	.34	27
KENTON	4766	1	74.5	30	-2.0	100.	18	54.	28	0.0	0.0	284.5	-72.5	5.060	31	2.56	2.10	23
LAVERNE	5045	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.790	31	1.82	1.14	21
REGNIER	7534	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.650	31	1.74	1.75	22
TURPIN	9017	1	76.9	30	999.0	105.	1	53.	28	0.0	9999.0	358.0	9999.0	4.610	31	99.99	1.65	14

AUGUST 1986 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

NAME	ID	DIV	MEAN TEMP	DEV NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ALVA	194	2	76.5	31	-5.5	98.	1	49.	29	.5	.5	355.5	-171.5	6.510	31	3.62	2.06	14
BILLINGS	755	2	78.3	30	999.0	98.	1	56.	30	0.0	9999.0	399.5	9999.0	5.622	31	2.73	1.32	2
BLACKWELL	818	2	78.5	31	999.0	100.	1	53.	29	0.0	9999.0	417.5	9999.0	2.621	31	99.99	.52	5
BRAMAN	1075	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.803	31	99.99	.96	14
CEDARDALE	1620	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.702	31	99.99	1.98	15
ENID	2912	2	78.6	31	-3.5	96.	2	55.	28	0.0	0.0	420.5	-109.5	5.570	31	2.21	2.04	13
FORT SUPPLY DAM	3304	2	76.6	30	-3.8	102.	1	53.	29	.5	.5	349.0	-128.0	6.450	31	3.93	3.03	15
FREEDOM	3358	2	78.7	31	999.0	100.	1	53.	29	0.0	9999.0	425.5	9999.0	7.710	31	99.99	2.62	14
GREAT SALT PL DAM	3740	2	78.0	30	999.0	101.	1	52.	29	0.0	9999.0	390.5	9999.0	6.220	24	3.36	2.32	14
HARDY	3909	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.454	31	99.99	.83	4
HELENA	4019	2	78.4	30	999.0	98.	1	55.	29	0.0	9999.0	402.0	9999.0	5.980	31	3.37	2.71	14
JEFFERSON	4573	2	79.1	31	-3.0	100.	1	54.	29	0.0	0.0	437.5	-92.5	5.610	31	2.36	1.54	1
LAHOMA AG	4950	2	78.0	27	999.0	100.	1	53.	29	0.0	9999.0	350.5	9999.0	5.141	29	99.99	2.32	14
LAMONT	5013	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.722	31	99.99	1.40	2
MEDFORD	5768	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.830	31	99.99	.73	4
MORRISON	6065	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.470	31	99.99	1.70	8
MUTUAL	6139	2	77.6	30	-3.4	105.	1	53.	29	.5	.5	378.5	-117.5	4.091	31	1.89	1.87	15
NEWKIRK	6278	2	77.6	31	-3.5	94.	2	53.	28	0.0	0.0	391.5	-107.5	5.042	31	1.54	1.64	8
PERRY	7012	2	76.3	31	-5.8	97.	18	48.	29	1.5	1.5	351.0	-179.0	4.770	31	1.44	1.62	10
PONCA CITY	7201	2	78.3	31	-2.6	96.	17	55.	28	0.0	0.0	412.5	-80.5	2.313	31	-1.05	.79	8
REDROCK	7505	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.790	31	.85	.80	10
RENFROW	7556	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.470	31	.59	1.77	14
WAYNOKA	9404	2	77.7	31	-4.4	101.	1	53.	29	0.0	0.0	395.0	-135.0	5.160	31	2.46	1.97	14
WOODWARD	9760	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.740	22	3.92	4.03	15

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

AUGUST 1986 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
BARNSDALL	535	3	76.9	31	999.0	95.	1	50.	29	1.5	9999.0	370.5	9999.0	4.462	31	1.29	1.90	9
BARTLESVILLE	548	3	77.2	31	-3.4	96.	25	50.	29	1.0	1.0	379.0	-105.0	7.213	31	4.19	5.50	8
BIXBY	782	3	77.8	30	-2.5	100.	1	53.	30	0.0	0.0	385.0	-89.0	3.661	31	.87	.86	6
CLAREMORE	1828	3	77.0	30	-3.3	96.	1	54.	30	0.0	0.0	359.0	-115.0	4.012	31	1.10	1.91	10
CLEVELAND	1902	3	78.3	29	999.0	109.	1	54.	29	0.0	9999.0	386.0	9999.0	2.730	29	99.99	1.80	7
FORAKER	3250	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.513	31	.00	1.60	8
HOLLOW	4258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.502	31	.20	.98	8
HULAH DAM	4393	3	76.5	16	-3.5	94.	4	50.	29	2.0	2.0	186.0	-279.0	2.560	29	-.47	2.18	8
JAY TOWN	4567	3	76.7	31	999.0	98.	2	52.	29	3.5	9999.0	366.5	9999.0	6.991	31	99.99	2.06	6
KANSAS	4672	3	75.7	31	999.0	97.	1	49.	29	5.0	9999.0	337.0	9999.0	4.623	31	99.99	1.46	6
KEYSTONE	4812	3	75.8	30	999.0	100.	1	46.	29	5.0	9999.0	328.0	9999.0	3.530	31	99.99	.80	2
LENAPAH	5118	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.933	31	99.99	2.54	8
CHELSEA	1717	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.761	31	99.99	1.73	6
HOMINY	4289	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.460	31	.43	.65	10
MANNFORD	5522	3	77.6	30	999.0	103.	1	53.	29	0.0	9999.0	377.5	9999.0	3.180	31	99.99	1.27	6
MARAMEC	5540	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.990	31	.07	1.01	8
MIAMI	5855	3	75.0	30	-4.9	96.	14	47.	28	2.5	2.5	302.5	-159.5	3.681	31	.17	.83	9
NOWATA	6485	3	77.2	31	-3.6	93.	26	54.	29	.5	.5	378.0	-112.0	4.683	31	1.29	2.20	8
ONETA	6713	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.012	31	99.99	1.40	16
PAWHUSKA	6937	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.411	31	99.99	1.28	8
PAWNEE	6940	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.841	31	2.83	2.28	8
PRYOR	7309	3	75.4	23	-4.9	93.	1	50.	30	3.0	3.0	243.0	-231.0	6.353	31	2.95	1.86	6
QUAPAW	7358	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.183	31	.74	1.25	2
RALSTON	7390	3	78.5	31	999.0	98.	2	52.	29	0.0	9999.0	417.0	9999.0	7.372	31	4.45	4.35	8
RAMONA	7394	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.540	31	99.99	2.00	8
SKIATOOK	8258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.801	31	-.06	.60	27
SPAVINAW	8380	3	77.3	31	999.0	106.	1	52.	30	0.0	9999.0	382.5	9999.0	6.624	31	3.02	1.40	6
SPAVINAW LAKE	8382	3	78.3	31	999.0	107.	1	52.	30	0.0	9999.0	411.0	9999.0	6.624	31	99.99	1.40	6
STILWELL	8506	3	75.3	31	999.0	99.	1	51.	29	3.5	9999.0	324.0	9999.0	8.940	31	5.59	3.81	10
TULSA	8992	3	78.3	31	-3.4	100.	1	54.	29	0.0	0.0	411.5	-106.5	4.021	31	1.01	1.56	8
VINITA	9203	3	76.1	31	-3.7	93.	26	49.	29	4.0	4.0	348.5	-110.5	3.660	31	.05	1.02	6
WAGONER	9247	3	78.0	31	-3.1	98.	1	54.	29	0.0	0.0	403.0	-96.0	5.401	31	2.55	1.86	16
WYNONA	9792	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.823	31	99.99	1.20	9
WANN	9298	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.573	31	99.99	1.60	6

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

AUGUST 1986 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	78.0	30	-3.7	102.	1	53.	29	0.0	0.0	389.5	-128.5	4.350	31	2.10	1.53	14
CHEYENNE	1738	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.750	15	99.99	1.15	15
CLINTON	1909	4	81.1	30	-.9	107.	1	51.	29	0.0	0.0	482.5	-44.5	8.760	30	5.97	5.01	9
COLONY	2039	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.470	31	99.99	.62	15
CORDELL	2125	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.640	31	1.01	1.00	27
ELK CITY	2849	4	78.1	31	999.0	101.	1	54.	28	0.0	9999.0	407.5	9999.0	3.743	31	1.41	.78	27
ERICK	2944	4	78.8	31	-1.8	104.	1	55.	28	0.0	0.0	428.5	-55.5	4.750	31	2.63	.94	28
GEARY	3497	4	78.8	29	-3.1	98.	1	54.	28	0.0	0.0	401.0	-123.0	3.020	29	.83	1.25	15
HAMMON	3871	4	78.4	30	-2.7	105.	1	53.	27	0.0	0.0	402.5	-96.5	5.670	31	3.23	2.60	9
LEEDEY	5090	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.100	16	-2.48	.10	24
MORAVIA	6035	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.050	31	4.99	2.45	15
OKEENA	6629	4	79.4	31	-3.1	101.	1	54.	29	0.0	0.0	447.0	-96.0	6.730	31	4.16	2.21	14
RETROP	7565	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.870	31	99.99	1.91	15
REYDON	7579	4	78.4	31	999.0	104.	1	57.	29	0.0	9999.0	414.0	9999.0	2.875	31	.64	1.35	15
SAYRE	7952	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.210	31	3.16	2.20	31
SWEETWATER	8652	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.041	31	99.99	1.72	27
TALOGA	8708	4	78.6	31	-2.1	100.	6	55.	28	0.0	0.0	421.0	-66.0	5.922	31	3.48	2.30	10
THOMAS	8815	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.210	31	99.99	2.44	15
VICI	9172	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.633	31	99.99	2.94	15
WATONGA	9364	4	78.9	31	999.0	101.	2	54.	28	0.0	9999.0	431.0	9999.0	4.193	31	2.14	1.94	9
WEATHERFORD	9422	4	79.7	30	-1.9	104.	19	54.	28	0.0	0.0	441.0	-74.0	1.983	31	-.71	1.19	15

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

AUGUST 1986 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
AMBER	200	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.390	31	99.99	1.50	10
ARCADIA	288	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.500	31	99.99	1.20	5
TINKER AFB	325	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.324	31	99.99	.91	6
BLANCHARD	830	5	79.9	30	999.0	101.	2	56.	31	0.0	9999.0	448.5	9999.0	4.462	31	99.99	2.00	10
BRISTOW	1144	5	78.4	31	-2.8	97.	1	52.	29	0.0	0.0	414.0	-88.0	4.581	31	1.96	1.07	8
CHANDLER	1684	5	79.2	31	-2.6	101.	1	55.	29	0.0	0.0	440.5	-80.5	5.540	31	3.29	1.41	9
CHICKASHA	1750	5	81.5	31	.3	106.	1	56.	29	0.0	0.0	513.0	11.0	2.412	31	-.11	.83	10
COX CITY	2196	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.580	31	99.99	2.00	9
CRESCENT	2242	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.860	29	99.99	1.02	5
CUSHING	2318	5	78.1	28	-3.3	98.	1	55.	29	0.0	0.0	366.0	-142.0	3.161	30	.47	1.01	10
EL RENO	2818	5	78.9	31	-2.4	98.	2	54.	29	0.0	0.0	429.5	-75.5	3.630	31	1.33	2.90	4
GUTHRIE	3821	5	80.3	31	-1.8	102.	1	56.	29	0.0	0.0	474.0	-56.0	3.911	31	1.53	1.44	5
HENNESSEY	4055	5	79.0	31	-3.3	102.	1	54.	29	0.0	0.0	435.5	-100.5	7.631	31	4.94	3.85	15
INGALLS	4489	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.675	31	99.99	.88	8
KINGFISHER	4861	5	79.1	31	-3.3	100.	2	55.	29	0.0	0.0	438.5	-100.5	4.310	31	1.92	1.98	5
KINGFISHER CREEK	4862	5	79.3	30	999.0	100.	1	55.	29	0.0	9999.0	430.0	9999.0	4.310	31	99.99	1.98	5
U. JOHNS CREEK	4864	5	79.3	30	999.0	100.	1	55.	29	0.0	9999.0	428.5	9999.0	4.410	31	99.99	1.98	5
KONAWA	4915	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.701	31	-.76	.68	6
MARSHALL	5589	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.800	31	.05	1.20	5
MEEKER	5779	5	79.1	31	-2.2	101.	1	52.	29	0.0	0.0	438.0	-67.0	2.070	31	-.46	.82	8
MULHALL	6110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.583	31	99.99	1.18	10
NORMAN	6386	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.282	31	2.72	2.10	10
OILTON	6616	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.830	31	99.99	.99	8
OKEMAH	6638	5	78.0	31	-3.2	101.	1	53.	29	0.0	0.0	404.0	-98.0	4.940	31	2.34	2.48	10
OKLAHOMA CITY	6661	5	80.3	31	-.8	102.	1	58.	29	0.0	0.0	475.0	-24.0	3.203	31	.80	1.06	27
PERKINS	7003	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.590	31	.98	1.19	6
PIEDMONT	7068	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.562	31	99.99	1.22	15
PRAGUE	7264	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.333	31	.82	1.30	9
PURCELL	7327	5	80.7	31	-1.2	104.	1	55.	29	0.0	0.0	487.0	-37.0	3.200	31	.78	.92	1
SEMINOLE	8042	5	81.5	31	-1.1	103.	2	56.	28	0.0	0.0	512.0	-34.0	1.950	31	-.93	.70	6
SHAWNEE	8110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.672	31	-.23	1.05	5
STELLA	8479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.680	31	99.99	.92	10
STILLWATER	8501	5	78.0	30	-3.0	100.	1	53.	29	0.0	0.0	391.0	-105.0	7.043	31	4.21	3.52	8
STROUD	8563	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.332	31	99.99	1.91	9
TECUMSEH	8751	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.862	31	99.99	.87	10
TROUSDALE	8960	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.632	31	99.99	1.43	1
UNION CITY	9086	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.961	31	2.41	1.78	10
WELTY	9479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.270	31	99.99	1.25	10
WEWOKA	9575	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.290	31	.44	1.05	10

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

AUGUST 1986 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
MCALESTER	5664	6	80.1	31	-1.6	102.	1	53.	29	0.0	0.0	469.5	-48.5	3.111	31	-.14	.93	28
ASHLAND	364	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.440	31	99.99	1.67	16
BEGGS	631	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.170	31	99.99	1.31	10
BOYNTON	1027	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.220	27	99.99	.93	16
CHECOTAH	1711	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.862	31	4.16	5.60	10
CALVIN	1391	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.704	31	.12	.89	10
CLAYTON	1858	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.241	31	99.99	1.20	7
EUFAULA	2993	6	79.5	31	999.0	99.	2	58.	29	0.0	9999.0	448.5	9999.0	3.971	31	1.24	2.30	10
DEWAR	2485	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.322	31	.71	2.12	10
DUSTIN	2690	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.120	31	99.99	1.27	15
HANNA	3884	6	78.6	31	999.0	103.	1	52.	29	0.0	9999.0	422.5	9999.0	4.061	31	1.24	1.84	10
HARTSHORNE	3946	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.251	31	99.99	2.03	28
HASKELL	3956	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.150	31	2.82	2.53	16
HOLDENVILLE	4235	6	79.6	31	-2.3	102.	1	52.	29	0.0	0.0	451.5	-72.5	3.280	31	.62	1.05	6
LAKE EUFAULA	4975	6	78.5	30	999.0	101.	1	54.	30	0.0	9999.0	404.5	9999.0	4.750	31	99.99	2.20	10
LYONS	5437	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.610	31	4.74	2.10	8
MCCURTAIN	5693	6	79.2	31	999.0	101.	1	50.	28	0.0	9999.0	439.0	9999.0	4.431	31	1.42	1.05	16
OKMULGEE WATER WORK	6670	6	77.1	30	-3.7	100.	1	52.	30	3.0	3.0	364.5	-125.5	5.470	31	2.84	3.00	10
OKTAHA	6678	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.150	31	99.99	4.92	10
MUSKOGEE	6130	6	79.2	31	-2.3	98.	1	52.	29	0.0	0.0	440.0	-72.0	3.441	31	.41	1.18	15
QUINTON	7372	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.291	31	1.19	1.46	9
SALLISAW	7862	6	78.4	25	-2.6	99.	1	53.	29	0.0	0.0	335.5	-160.5	5.050	31	1.88	3.29	10
SCIPIO	7979	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.560	31	99.99	1.72	10
SCRAPER	7993	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.581	31	99.99	1.47	10
SHORT	8170	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.891	31	99.99	2.43	10
TAHLEQUAH	8677	6	77.6	31	-2.3	104.	1	50.	29	.5	.5	390.5	-71.5	6.080	31	3.02	2.18	10
WEBBERS FALLS	9445	6	78.0	30	-2.7	100.	1	55.	29	0.0	0.0	389.0	-98.0	5.441	31	2.56	3.94	10
WESTVILLE	9523	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.240	31	99.99	3.46	10
WETUMKA	9571	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.233	31	.81	1.49	10

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

AUGUST 1986 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	DIV	MEAN TEMP	DEV NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ALTUS AG	179	7	81.8	31	-1.3	108.	1	58.	28	0.0	0.0	522.0	-39.0	5.870	31	3.63	2.40	31
ALTUS DAM	184	7	80.9	30	999.0	104.	1	55.	28	0.0	9999.0	476.0	9999.0	5.990	31	3.86	1.68	27
ANADARKO	224	7	80.0	29	-2.0	104.	2	52.	30	0.0	0.0	435.0	-92.0	1.531	30	-.95	.73	27
ALTUS AFB	447	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.193	31	99.99	.63	31
CARNEGIE	1504	7	81.7	31	-.6	107.	1	56.	29	0.0	0.0	516.5	-19.5	2.600	31	.47	1.48	27
CHATTANOOGA	1706	7	83.2	31	-.1	109.	1	56.	29	0.0	0.0	564.5	-2.5	1.610	31	-1.00	.72	10
DUNCAN	2668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.042	31	99.99	.40	6
FLETCHER	3191	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.971	31	99.99	1.73	10
FREDERICK	3353	7	81.8	30	-2.7	107.	1	60.	30	.5	.5	506.0	-102.0	4.783	31	2.32	2.29	31
GRANDFIELD	3709	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.720	31	-.67	1.00	10
HOLLIS	4249	7	81.4	28	-2.0	105.	20	58.	27	0.0	0.0	458.5	-111.5	5.362	29	3.33	2.00	15
LAWTON	5063	7	81.4	30	-1.3	102.	18	60.	28	0.0	0.0	491.5	-57.5	1.421	31	-.73	.44	31
FT SILL	5068	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.025	31	-1.12	.72	10
HOBART	4204	7	80.2	30	-1.9	104.	1	56.	28	0.0	0.0	457.0	-73.0	3.781	30	1.90	1.04	31
LOCO	5247	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.521	31	99.99	.70	28
LOOKEBA	5329	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.820	31	99.99	.66	10
LINDSAY	5216	7	80.7	31	999.0	110.	1	53.	31	.5	9999.0	486.5	9999.0	6.800	31	4.49	2.45	31
RANDLETT	7403	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.500	31	99.99	.84	9
ROOSEVELT	7727	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.350	31	2.21	1.28	22
SEDAN	8016	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.642	31	99.99	1.60	27
SNYDER	8299	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.051	31	.84	1.14	3
VINSON	9212	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.360	31	5.10	2.01	31
WALTERS	9278	7	82.4	31	-1.3	109.	1	60.	29	0.0	0.0	540.0	-40.0	5.920	31	3.35	1.99	27
WICHITA MT WL REF	9629	7	80.1	30	-1.4	105.	19	55.	28	0.0	0.0	452.0	-60.0	3.520	31	1.48	1.15	30
WILLOW	9668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.930	31	99.99	2.35	27

AUGUST 1986 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	79.8	31	-1.9	102.	1	57.	30	0.0	0.0	458.5	-59.5	1.293	31	-1.80	.48	6
ALLEN	147	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.250	31	99.99	1.10	15
ARDMORE	292	8	82.5	31	-1.5	108.	1	58.	29	0.0	0.0	543.5	-45.5	1.200	31	-1.33	.39	15
ATOKA DAM	394	8	83.1	28	999.0	103.	17	58.	29	0.0	9999.0	507.0	9999.0	1.410	31	99.99	.52	18
BOKCHITO	917	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.500	31	99.99	3.00	16
CANEY	1437	8	79.7	30	999.0	95.	16	59.	30	0.0	9999.0	442.0	9999.0	2.940	31	99.99	1.98	16
CHICKASAW NRA	1745	8	82.2	30	999.0	104.	1	57.	30	0.0	9999.0	517.0	9999.0	1.212	31	99.99	.81	16
COLEMAN	2011	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.600	31	99.99	.45	3
COMMANCHE	2054	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.891	31	99.99	.55	28
DAISY	2354	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.376	31	-1.13	.85	1
ELMORE CITY	2872	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.994	31	99.99	.54	15
DURANT USDA	2678	8	81.7	30	999.0	105.	1	55.	29	0.0	9999.0	502.5	9999.0	5.100	31	2.63	4.81	16
FARRIS	3083	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.850	31	99.99	1.63	16
GRADY	3688	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.580	31	99.99	.25	10
HEALDTON	4001	8	81.6	16	999.0	107.	1	58.	29	0.0	9999.0	265.0	9999.0	.180	16	-2.12	.18	28
HENNIPEN	4052	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.380	31	99.99	.50	15
KINGSTON	4865	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.682	31	-.81	.70	20
LEHIGH	5108	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.093	31	99.99	1.55	28
MADILL	5468	8	81.8	31	-1.3	103.	2	57.	29	0.0	0.0	522.0	-39.0	2.801	31	.37	1.30	15
MARIETTA	5563	8	83.0	31	.1	107.	1	60.	29	0.0	0.0	558.5	3.5	1.440	31	-1.14	.56	17
MARLOW	5581	8	81.8	31	999.0	105.	1	57.	29	0.0	9999.0	520.0	9999.0	2.231	31	-.19	.68	28
OSWALT	6787	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.300	31	99.99	.30	31
PAULS VALLEY	6926	8	81.4	30	-1.7	104.	2	55.	29	0.0	0.0	492.5	-68.5	2.117	31	-.20	.81	15
TISHOMINGO	8884	8	81.0	18	999.0	99.	16	57.	29	0.0	9999.0	288.5	9999.0	2.250	31	-.27	1.00	15
TUSSY	9032	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.064	31	99.99	1.67	28
WAURIKA	9395	8	82.1	31	-1.7	107.	1	59.	29	0.0	0.0	531.0	-52.0	2.170	31	-.38	.70	9

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

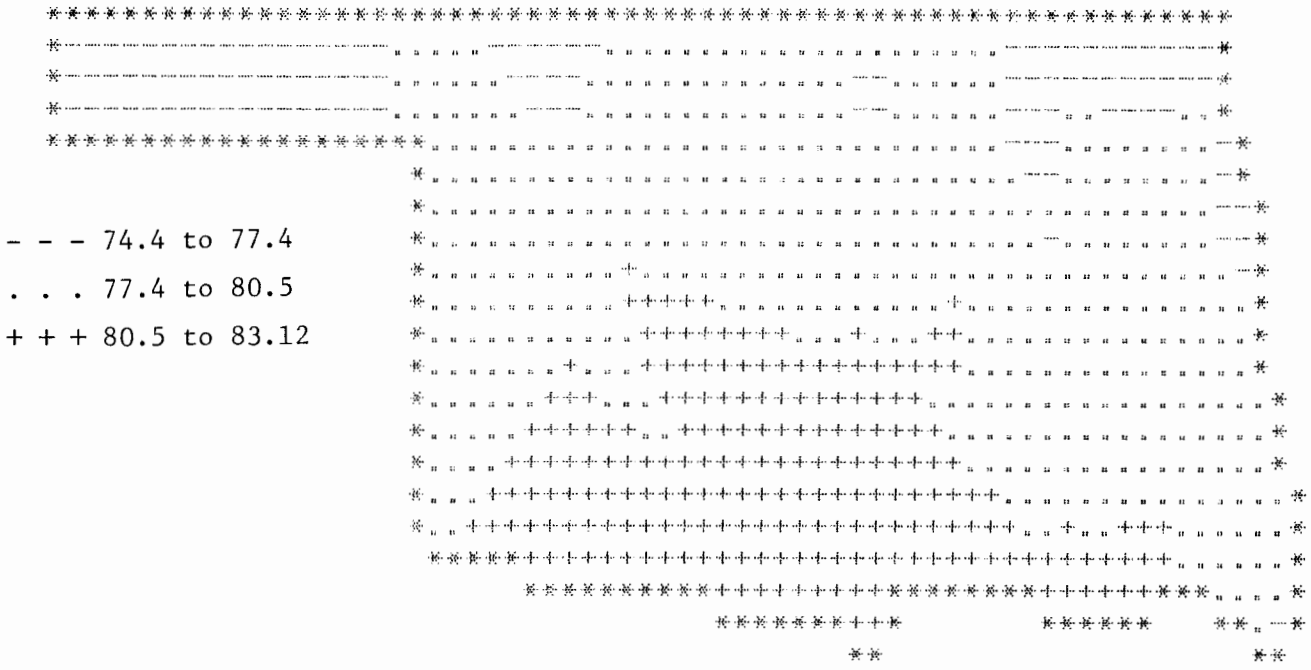
AUGUST 1986 SUMMARY FOR SOUTHEAST DIVISION (CD9)

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
ANTLERS	256	9	79.8	31	-1.3	107.	1	53.	30	0.0	0.0	460.0	-39.0	2.540	31	-.69	2.15	16
BATTIEST	567	9	78.4	30	999.0	108.	1	50.	30	1.0	9999.0	403.0	9999.0	3.442	30	99.99	2.69	16
BENGAL	670	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.290	31	99.99	1.60	16
BOSWELL	980	9	81.5	31	999.0	103.	1	58.	29	0.0	9999.0	513.0	9999.0	4.173	31	1.49	2.17	16
BROKEN BOW	1162	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.110	31	.15	1.36	11
BROKEN BOW DAM	1168	9	79.7	30	999.0	99.	17	53.	30	0.0	9999.0	440.0	9999.0	3.830	31	99.99	1.47	16
CARNASAW TOWER	1499	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.070	31	.97	1.37	16
CARTER MT	1544	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.040	31	2.37	4.54	16
FANSHAWE	3065	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.750	31	3.68	1.77	28
BEAR MT	3182	9	81.7	8	999.0	99.	7	55.	29	0.0	9999.0	133.5	9999.0	4.650	31	.46	1.31	20
HEAVENER	4008	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.612	31	2.26	1.55	11
HEE MT TW	4017	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.170	31	99.99	2.40	16
HUGO	4384	9	81.5	31	-.7	107.	1	53.	29	0.0	0.0	513.0	-20.0	1.940	31	-1.50	1.30	16
IDABEL	4451	9	79.6	30	-1.7	98.	27	54.	29	0.0	0.0	436.5	-68.5	2.470	31	-.15	.82	16
JADIE TOWER	4560	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.562	31	99.99	1.00	16
POTEAU WATER WORKS	7254	9	77.9	30	999.0	98.	25	50.	29	0.0	9999.0	387.0	9999.0	2.290	31	99.99	1.21	5
SMITHVILLE	8285	9	78.8	23	999.0	110.	1	55.	13	0.0	9999.0	318.0	9999.0	1.321	23	99.99	.86	16
SOBAL TOWER	8305	9	79.9	29	999.0	98.	17	56.	29	0.0	9999.0	431.5	9999.0	3.271	31	-.09	1.98	28
SPIRO	8416	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.850	31	1.25	1.15	8
TUSKAHOMA	9023	9	79.8	31	999.0	110.	1	52.	29	0.0	9999.0	460.0	9999.0	3.771	31	99.99	1.90	28
UPPER SPAVINAW	9101	9	79.8	30	999.0	98.	24	52.	29	0.0	9999.0	445.5	9999.0	5.161	31	99.99	1.53	6
VALLIANT	9118	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.401	31	2.64	2.10	28
WILBURTON	9634	9	78.4	31	-2.5	98.	1	54.	30	0.0	0.0	414.0	-79.0	2.502	31	-.83	.73	6
WISTER DAM AG	9719	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.150	8	99.99	1.02	28

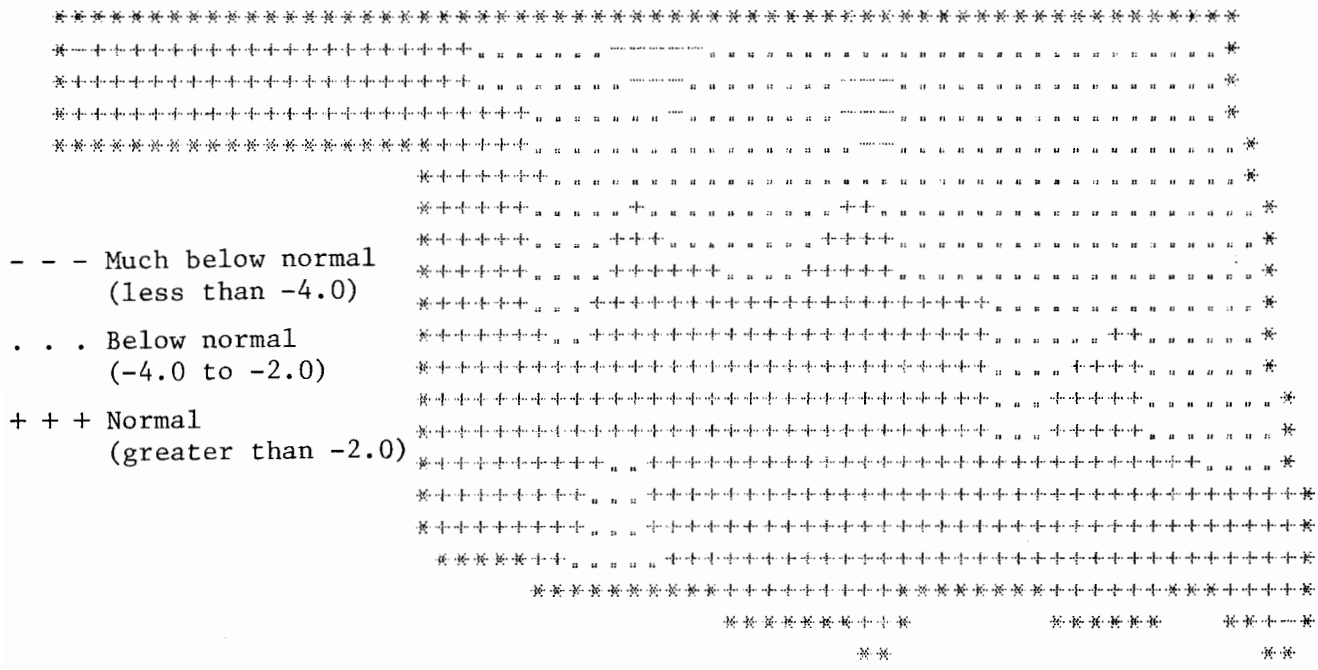
AUGUST 1986 CLIMATE DIVISION SUMMARY

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	76.8	11	-1.8	109.0	1	51.0	28	.6	.6	357.9	-63.0	4.43	14	1.85	3.90	30
2	77.9	15	-3.7	105.0	1	48.0	29	.2	.2	391.8	-120.7	4.63	22	1.69	4.03	15
3	77.1	18	-3.4	109.0	1	46.0	29	1.5	1.5	370.4	-109.5	4.52	34	1.35	5.50	8
4	78.9	11	-2.6	107.0	1	51.0	29	0.0	0.0	424.1	-88.0	4.80	19	2.43	5.01	9
5	79.5	17	-2.2	106.0	1	52.0	29	0.0	0.0	442.6	-72.7	3.68	39	1.10	3.85	15
6	78.7	10	-2.3	104.0	1	50.0	29	.3	.3	422.0	-76.5	4.52	29	1.71	5.60	10
7	81.3	12	-1.6	110.0	1	52.0	30	.1	.1	492.1	-61.9	3.57	25	1.33	2.45	31
8	81.8	11	-1.3	108.0	1	55.0	29	0.0	0.0	508.6	-52.6	2.03	25	-.57	4.81	16
9	79.7	11	-1.7	110.0	1	50.0	29	.1	.1	445.8	-61.7	3.81	22	.64	4.54	16

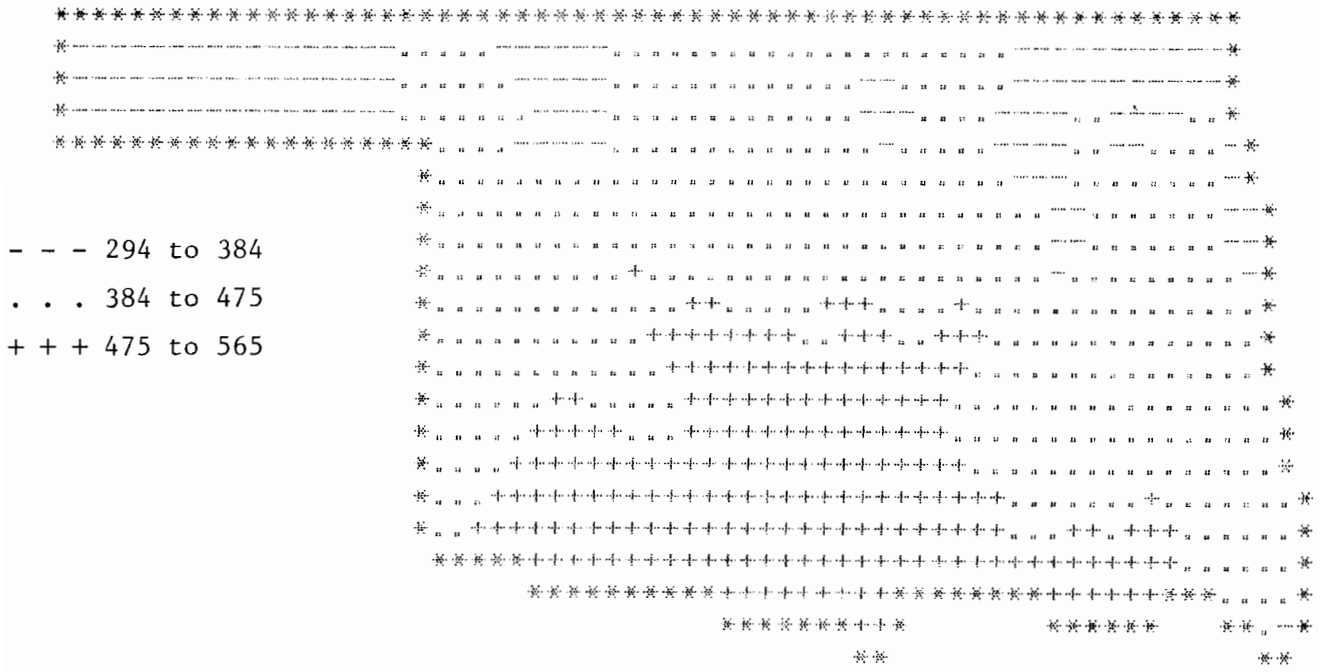
Note: 9999.0, 999.0, 99.99 indicate missing records.
Trace = .001



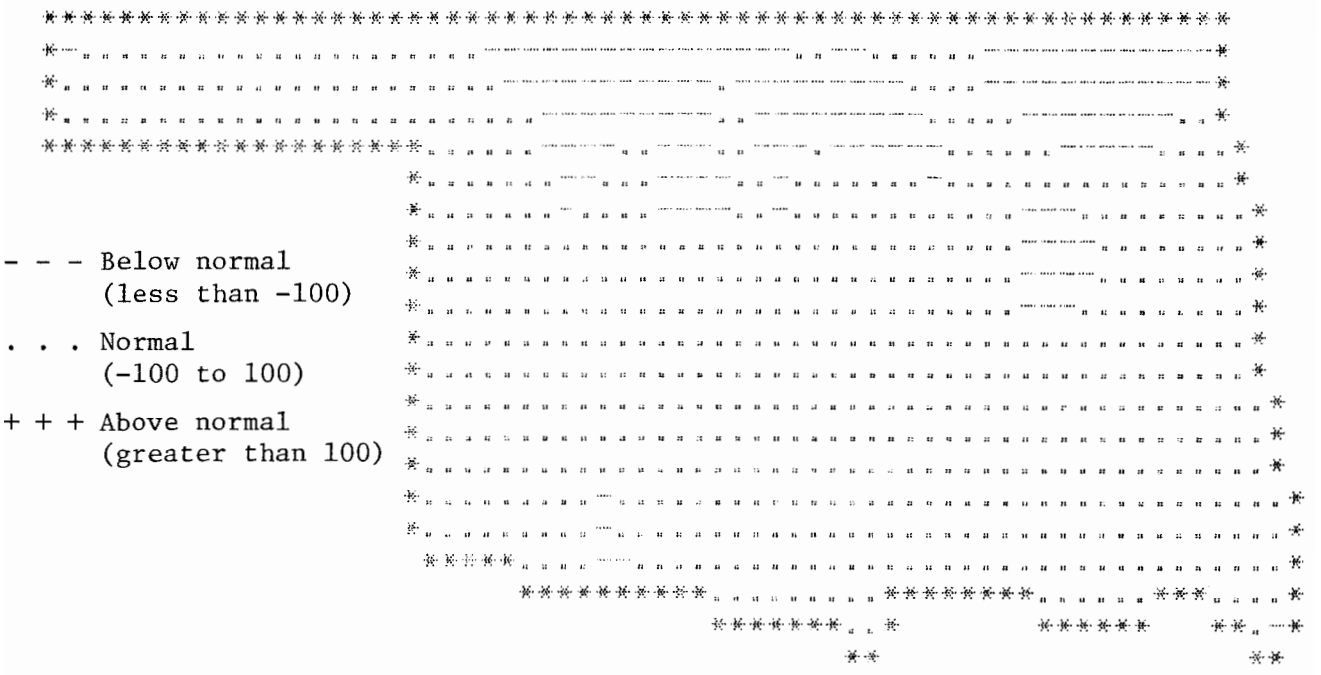
AUGUST 1986 AVERAGE MONTHLY TEMPERATURE
(DEGREES F)



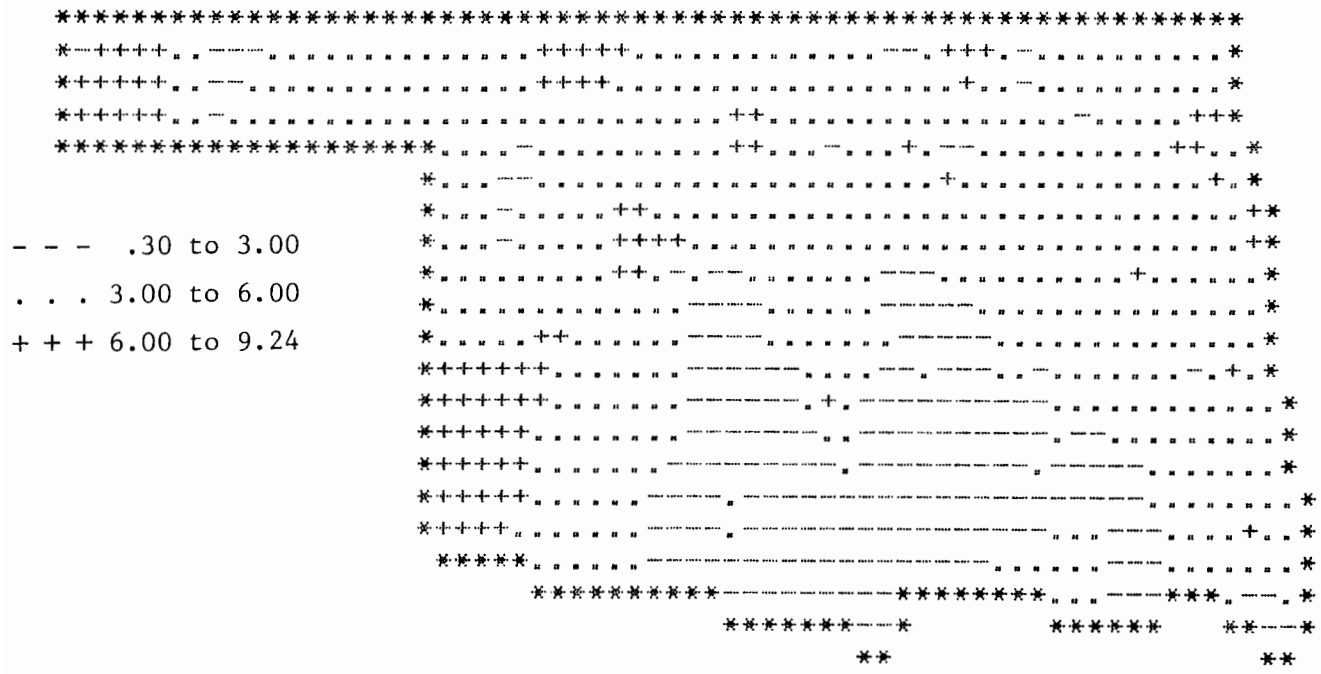
AUGUST 1986 DEVIATION FROM NORMAL TEMPERATURE



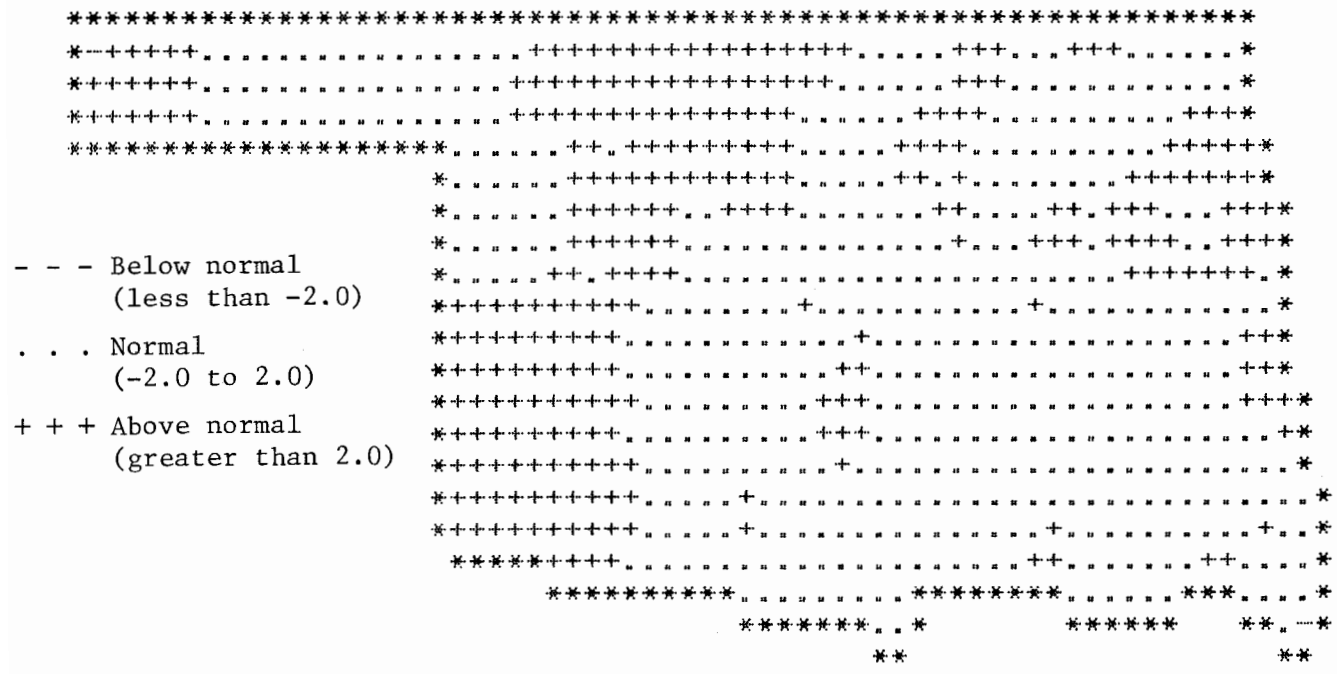
AUGUST 1986 TOTAL COOLING DEGREE DAYS



AUGUST 1986 DEVIATION FROM NORMAL COOLING DEGREE DAYS



AUGUST 1986 TOTAL PRECIPITATION
(INCHES)



AUGUST 1986 DEVIATION FROM NORMAL PRECIPITATION

OCTOBER 1986
CLIMATE CALENDAR

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

Normal	1	Actual
80.6	max	
54.9	min	
.108	pcpn	
2	HDD	
5	CDD	
Highest Max		97-1938
Lowest Max		61-1958
Lowest Min		38-1958
Highest Min		71-1926
Greatest pcpn		2.28-1959

Normal	2	Actual
81.2	max	
56.0	min	
.225	pcpn	
1	HDD	
5	CDD	
Highest Max		96-1938
Lowest Max		61-1958
Lowest Min		41-1975
Highest Min		72-1954
Greatest pcpn		4.52-1955

Normal	3	Actual
79.2	max	
55.9	min	
.142	pcpn	
2	HDD	
5	CDD	
Highest Max		96-1951
Lowest Max		56-1959
Lowest Min		40-1975
Highest Min		73-1954
Greatest pcpn		1.59-1955

Normal	4	Actual
77.9	max	
55.8	min	
.128	pcpn	
2	HDD	
4	CDD	
Highest Max		96-1931
Lowest Max		58-1959
Lowest Min		43-1975
Highest Min		71-1940
Greatest pcpn		2.22-1955

Normal	5	Actual
77.7	max	
54.9	min	
.120	pcpn	
2	HDD	
4	CDD	
Highest Max		95-1947
Lowest Max		57-1932
Lowest Min		38-1932
Highest Min		73-1981
Greatest pcpn		1.74-1970

Normal	6	Actual
74.6	max	
53.3	min	
.026	pcpn	
4	HDD	
3	CDD	
Highest Max		94-1931
Lowest Max		58-1952
Lowest Min		40-1976
Highest Min		72-1931
Greatest pcpn		1.08-1983

Normal	7	Actual
76.3	max	
51.7	min	
.081	pcpn	
3	HDD	
2	CDD	
Highest Max		94-1979
Lowest Max		50-1976
Lowest Min		32-1952
Highest Min		73-1939
Greatest pcpn		1.41-1967

Normal	8	Actual
76.6	max	
52.4	min	
.066	pcpn	
4	HDD	
3	CDD	
Highest Max		94-1979
Lowest Max		50-1970
Lowest Min		35-1976
Highest Min		70-1928
Greatest pcpn		.88-1970

Normal	9	Actual
78.1	max	
52.0	min	
.109	pcpn	
3	HDD	
4	CDD	
Highest Max		96-1965
Lowest Max		56-1970
Lowest Min		38-1970
Highest Min		70-1973
Greatest pcpn		2.09-1961

Normal	10	Actual
79.6	max	
52.7	min	
.018	pcpn	
3	HDD	
4	CDD	
Highest Max		95-1965
Lowest Max		49-1985
Lowest Min		35-1979
Highest Min		71-1973
Greatest pcpn		.94-1985

Normal	11	Actual
79.3	max	
53.5	min	
.070	pcpn	
2	HDD	
4	CDD	
Highest Max		94-1979
Lowest Max		56-1946
Lowest Min		36-1932
Highest Min		69-1972
Greatest pcpn		1.72-1930

Normal	12	Actual
78.9	max	
55.4	min	
.050	pcpn	
2	HDD	
5	CDD	
Highest Max		94-1978
Lowest Max		57-1969
Lowest Min		34-1977
Highest Min		70-1928
Greatest pcpn		1.02-1981

Normal	13	Actual
78.0	max	
54.8	min	
.040	pcpn	
3	HDD	
4	CDD	
Highest Max		90-1963
Lowest Max		52-1969
Lowest Min		38-1969
Highest Min		71-1966
Greatest pcpn		1.08-1957

Normal	14	Actual
76.1	max	
53.0	min	
.099	pcpn	
3	HDD	
3	CDD	
Highest Max		90-1938
Lowest Max		55-1937
Lowest Min		32-1969
Highest Min		68-1928
Greatest pcpn		2.45-1956

Normal	15	Actual
73.5	max	
52.2	min	
.103	pcpn	
4	HDD	
2	CDD	
Highest Max		92-1962
Lowest Max		55-1970
Lowest Min		38-1974
Highest Min		68-1928
Greatest pcpn		1.80-1953

Normal	16	Actual
74.2	max	
49.8	min	
.012	pcpn	
5	HDD	
2	CDD	
Highest Max		89-1972
Lowest Max		57-1969
Lowest Min		31-1977
Highest Min		67-1934
Greatest pcpn		1.25-1981

Normal	17	Actual
73.8	max	
49.8	min	
.053	pcpn	
5	HDD	
2	CDD	
Highest Max		96-1972
Lowest Max		53-1970
Lowest Min		33-1976
Highest Min		68-1934
Greatest pcpn		1.43-1942

Normal	18	Actual
72.7	max	
49.1	min	
.131	pcpn	
5	HDD	
1	CDD	
Highest Max		91-1932
Lowest Max		58-1970
Lowest Min		34-1948
Highest Min		67-1934
Greatest pcpn		2.34-1960

Normal	19	Actual
72.3	max	
47.8	min	
.033	pcpn	
6	HDD	
1	CDD	
Highest Max		90-1927
Lowest Max		50-1972
Lowest Min		31-1976
Highest Min		69-1941
Greatest pcpn		4.98-1983

Normal	20	Actual
73.8	max	
48.8	min	
.089	pcpn	
5	HDD	
2	CDD	
Highest Max		93-1979
Lowest Max		49-1972
Lowest Min		26-1976
Highest Min		72-1979
Greatest pcpn		5.45-1983

Normal	21	Actual
74.5	max	
49.8	min	
.153	pcpn	
4	HDD	
1	CDD	
Highest Max		90-1978
Lowest Max		46-1930
Lowest Min		32-1982
Highest Min		66-1941
Greatest pcpn		3.70-1972

Normal	22	Actual
72.7	max	
50.3	min	
.150	pcpn	
5	HDD	
1	CDD	
Highest Max		85-1927
Lowest Max		42-1936
Lowest Min		39-1928
Highest Min		65-1941
Greatest pcpn		2.16-1953

Normal	23	Actual
70.3	max	
49.4	min	
.038	pcpn	
6	HDD	
1	CDD	
Highest Max		89-1927
Lowest Max		48-1936
Lowest Min		36-1966
Highest Min		67-1934
Greatest pcpn		1.30-1949

Normal	24	Actual
69.9	max	
46.9	min	
.024	pcpn	
7	HDD	
1	CDD	
Highest Max		89-1927
Lowest Max		48-1949
Lowest Min		33-1980
Highest Min		68-1939
Greatest pcpn		.72-1974

Normal	25	Actual
69.5	max	
46.3	min	
.076	pcpn	
7	HDD	
0	CDD	
Highest Max		86-1927
Lowest Max		43-1957
Lowest Min		29-1957
Highest Min		68-1939
Greatest pcpn		1.40-1932

Normal	26	Actual
70.6	max	
45.6	min	
.046	pcpn	
7	HDD	
1	CDD	
Highest Max		88-1977
Lowest Max		42-1936
Lowest Min		26-1957
Highest Min		71-1939
Greatest pcpn		.66-1973

Normal	27	Actual
67.9	max	
45.3	min	
.012	pcpn	
9	HDD	
1	CDD	
Highest Max		84-1950
Lowest Max		46-1936
Lowest Min		22-1957
Highest Min		66-1940
Greatest pcpn		3.19-1984

Normal	28	Actual
67.7	max	
44.8	min	
.088	pcpn	
9	HDD	
1	CDD	
Highest Max		87-1950
Lowest Max		47-1980
Lowest Min		31-1957
Highest Min		65-1961
Greatest pcpn		.99-1974

Normal	29	Actual
69.3	max	
46.2	min	
.065	pcpn	
8	HDD	
1	CDD	
Highest Max		88-1950
Lowest Max		45-1928
Lowest Min		28-1980
Highest Min		67-1961
Greatest pcpn		1.61-1941

Normal	30	Actual
69.6	max	
45.7	min	
.244	pcpn	
8	HDD	
1	CDD	
Highest Max		86-1968
Lowest Max		47-1967
Lowest Min		28-1980
Highest Min		66-1977
Greatest pcpn		2.84-1974

Normal	31	Actual
66.1	max	
46.0	min	
.091	pcpn	
9	HDD	
1	CDD	
Highest Max		84-1950
Lowest Max		40-1941
Lowest Min		30-1949
Highest Min		64-1950
Greatest pcpn		.48-1935