

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 OCTOBER 1986

October weather was slightly cooler and much wetter than normal in Oklahoma. Mean monthly temperatures ranged from near 1 degree below normal in the east to 2 degrees in the west. Only climate divisions 3 and 5 (northeast and central) did not record a 32 degree or lower temperature during the month. Each section of the State reported above average precipitation, while the amounts in climate division 2 and 4 (north central and west central) exceeded monthly normals by over 6 inches. Hardy, in climate division 2, reported a 24 hour rainfall of 12 inches between 7 a.m. on the 1st and 2nd. The nearby city of Newkirk recorded the State's largest monthly precipitation, 15.19 inches.

Much of the above average October precipitation came in tremendous rains during the month's first few days. One week (9/29-10/5) accumulations exceeded 15" in north central Oklahoma as a stationary front and remnants of Hurricane Paine extended the late September flooding into October and resulted in what may be the State's worst flooding disaster.

Although no firm dollar estimate of flood damage could yet be provided, home, food, crop and soil losses were in the millions, Tulsa County alone estimated a \$33 million loss. The floods in northeastern and northcentral Oklahoma forced thousands to evacuate their homes. The Red Cross reported 283 homes destroyed, 1178 heavily damaged, and over 1500 with minor damage. Numerous businesses also suffered losses. More than 25 tons of food were contaminated in

stores and homes. The floodwaters also mandated the Health Departments testing of well water. Over 3 million acres of newly planted winter wheat were destroyed, and as late as October 20th many acres remained too wet for replanting. Where drying and reseeding did occur, the cost of plowing, discing, fertilizing and seeding the wheat was about \$20 to \$40 per acre. Soybean crops were also threatened as floodwaters destroyed more than 3000 acres around Washington County. During the rains, in the wheat belt area of northern Oklahoma soil losses exceeded 50 tons per acre, a loss normally experienced over 10 to 20 years. On the 13th, in response to the tremendous losses the President declared 10 Oklahoma counties disaster areas.

In addition to the flooding problems of early October a tornado struck The Village near Oklahoma City on the 2nd, damaging several homes. Another tornado was reported in Logan County. No injuries were reported.

Beginning the 5th, much of the State experienced a few-day reprieve from the rains as Hurricane Paine deteriorated and high pressure entered Oklahoma, edging the front into Texas. On the 9th, however, another cold front moved across the State lowering temperatures several degrees. The cooler weather continued several days and on the 12th Gage recorded the State's first snowfall of the season, while Enid reported sleet mixed with rain. In Lawton, the wind chill factor fell to the mid -20's, just two days after an overnight low of 60 degrees. Throughout much of the State low temperatures fell from the 50's, and even 60's in some areas prior to the front, to the 30's after its passage.

As the high pressure drifted eastward, southerly flow returned to Oklahoma, helping temperatures to rise to near normal by the 17th. Meanwhile, a strong low pressure system was building over the southwestern U.S.A. and by the 21st it moved near enough to Oklahoma to support the development of thunderstorms bearing large amounts of rain. Western and central portions of the State received the greater rainfall amounts including Altus 2.76 inches, Clinton 3.74 inches, Oklahoma City 2.37 inches and Kingfisher, where residents were again asked to evacuate, 2.95 inches.

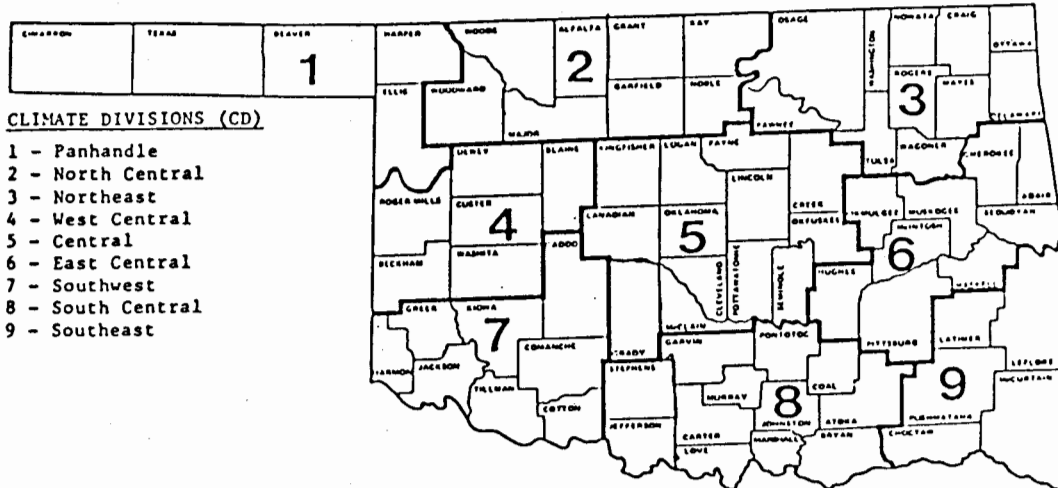
The month ended with a week of mostly rain-free weather with temperatures warming to near and slightly above normal Statewide.

TABLE OF 1985/1986 OCTOBER COMPARISONS

Station	October Temperatures (F)		October Precipitation (in.)	
	1985	1986	1985	1986
Goodwell	54.6	55.5	2.884	.696
Lahoma	58.3	58.8	2.800	11.670
Mutual	57.1	57.6	4.440	3.860
Tulsa	63.3	61.3	6.243	6.024
Elk City	59.4	59.4	2.783	9.103
Oklahoma City	61.2	61.7	5.283	9.692
McAlester	64.6	62.4	5.533	1.691
Altus	63.0	62.2	5.016	6.720
Durant	65.7	63.5	7.590	5.810
Ada	62.9	62.4	11.120	3.303
Tuskahoma	65.3	62.8	4.240	3.362

OCTOBER EXTREMES

Variable	Station	Division	Observation	Date
Minimum temperature (F)	Goodwell	1	25	13
Maximum temperature (F)	Carnegie	7	92	1
Maximum 24-hour precipitation	Hardy	2	12.00"	2



EXPLANATION OF TABLES

Two kinds of tables appear in this summary. The first is a set of tables containing all reporting stations grouped by climate division. The figure above shows the locations of the climate divisions. Each table contains the following information for each station:

- Station Name:
- Station Identification Number: These are usually assigned by the National Climatic Data Center.
- Climate Division: See the figure above.
- Number of Temperature Observations: These are the actual number of temperature reports recorded at the station during the current month. Missing observations may result in artificially high or low mean monthly temperatures.
- Deviation from Normal: The deviation of the observed mean monthly temperature from the monthly station normal. A positive value indicates the month was warmer than normal. A negative value indicates the month was cooler than normal. Normal monthly temperatures may be calculated by subtracting the deviation from the observed temperature.
- Maximum Daily Maximum: The maximum daily maximum temperature observed during the current month and year and the day which it occurred.
- Minimum Daily Minimum: The minimum daily minimum temperature observed during the current month and year and the day which it occurred.
- Heating Degree Days: HDD are calculated each day of the month for which there is a temperature report and summed. They are a qualitative measure of how much heat was required to maintain an indoor temperature of 65 degrees. Missing observations may result in an artificially high or low value. For February 1984 HDD would be calculated as:

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

Deviation from Normal Heating Degree Days: A positive value indicates higher than normal heating requirements for the month as a whole. A negative value indicates lower than normal heating requirements for the month as a whole. Normal HDD may be calculated by subtracting the deviation from observed HDD.

Cooling Degree Days: CDD are calculated each day of the month for which there is a temperature report and summed. They are a proxy measure of how much cooling was required to maintain an indoor temperature of 65 degrees. Missing observations may result in an artificially high or low value. For June, CDD would be calculated as:

$$30 \sum_{i=1} ((TMAX_i + TMIN_i)/2 - 65)$$

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.

OCTOBER 1986 SUMMARY FOR NORTHWEST DIVISION (CD1)

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	
ARNETT	332	1	57.3	30	-2.5	80.	8	29.	13	238.0	31.0	6.0	-40.0	6.521	31	4.71	2.65	11
BEAVER	593	1	56.6	30	-2.6	83.	8	31.	14	256.5	37.5	5.0	-35.0	1.090	31	-1.13	.47	2
BOISE CITY	908	1	55.5	31	-1.9	79.	1	24.	13	297.0	48.0	4.0	-10.0	1.460	31	.63	1.15	21
FARGO	3070	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.290	31	2.62	1.49	3
BUFFALO	1243	1	59.6	31	-2.5	81.	16	31.	13	182.5	27.5	16.0	-49.0	4.930	31	2.98	2.62	2
GAGE	3407	1	57.5	31	-2.2	80.	16	30.	13	244.0	42.0	10.5	-27.5	4.474	31	2.88	1.65	3
GATE	3489	1	57.8	28	999.0	82.	7	31.	12	209.0	9999.0	6.5	9999.0	1.920	31	99.99	.62	2
GOODWELL RES STA	3628	1	55.5	30	-3.0	83.	8	25.	13	290.0	59.0	3.5	-23.5	.696	31	-2.25	.52	21
GUYMON	3835	1	56.2	31	999.0	83.	8	28.	13	280.0	9999.0	7.5	9999.0	.650	30	99.99	.47	22
HOOKER	4298	1	55.8	31	-3.0	83.	9	28.	14	287.0	61.0	1.5	-32.5	.470	31	-1.64	.33	21
KENTON	4766	1	53.7	30	-3.8	80.	1	21.	13	340.5	90.5	0.0	-18.0	2.400	31	1.50	1.93	21
LAVERNE	5045	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.561	31	2.05	2.33	3
REGNIER	7534	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.220	31	1.46	1.55	21

OCTOBER 1986 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

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	
ALVA	194	2	59.6	30	-2.5	84.	3	32.	13	177.0	23.0	16.0	-48.0	4.900	31	3.33	1.56	3
BILLINGS	755	2	60.4	30	999.0	81.	10	36.	14	156.5	9999.0	17.5	9999.0	11.092	31	8.62	7.88	3
BLACKWELL	818	2	59.4	30	999.0	80.	18	36.	13	176.0	9999.0	9.0	9999.0	3.335	31	99.99	1.47	1
BRAMAN	1075	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	13.043	31	99.99	6.82	3
CEDARDALE	1620	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.960	31	99.99	3.31	3
CHEROKEE	1724	2	61.1	31	-1.1	81.	4	37.	13	142.5	-8.5	21.5	-42.5	6.151	31	4.33	2.30	2
FT SUPPLY DAM	3304	2	57.0	30	-4.3	81.	8	30.	13	246.0	82.0	6.5	-42.5	0.000	31	-1.43	0.00	31
GREAT SALT PLAINS	D3740	2	60.1	30	999.0	83.	3	37.	13	159.0	9999.0	11.5	9999.0	6.090	31	4.06	3.84	3
HELENA	4019	2	58.9	30	999.0	81.	3	35.	14	195.5	9999.0	11.5	9999.0	6.961	31	4.84	5.00	3
JEFFERSON	4753	2	60.2	29	999.0	80.	18	35.	13	151.0	9999.0	10.5	9999.0	8.370	31	99.99	6.00	3
FREEDOM	3358	2	59.1	31	999.0	80.	16	33.	13	189.5	9999.0	7.0	9999.0	4.840	31	99.99	1.38	3
HARDY	3909	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	13.363	31	99.99	12.00	2
LAHOMA AG	4950	2	58.8	30	999.0	80.	3	35.	15	197.5	9999.0	10.5	9999.0	11.670	31	99.99	7.60	3
LAMONT	5013	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.030	31	99.99	5.15	3
MEDFORD	5768	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.850	31	99.99	5.86	2
MORRISON	6065	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.581	31	99.99	4.57	3
MUTUAL	6139	2	57.6	30	-3.3	83.	3	33.	14	229.5	54.5	8.0	-40.0	3.860	31	2.34	2.98	3
NEWKIRK	6278	2	60.3	31	-1.6	79.	28	36.	13	162.5	5.5	16.5	-44.5	15.190	31	12.42	5.50	3
ORIENTA	6751	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.630	31	99.99	4.29	3
FERRY	7012	2	61.3	31	-2.2	83.	29	37.	13	135.5	10.5	22.0	-57.0	7.690	31	5.06	3.68	3
PONCA CITY	7201	2	60.9	31	.0	80.	18	37.	13	156.0	-23.0	29.5	-21.5	12.993	31	10.39	9.17	3
RED ROCK	7505	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.160	31	4.69	4.45	3
RENFROW	7556	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.750	31	3.43	4.70	3
WOODWARD	9760	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.570	31	2.75	1.37	11

Note: 9999.0, 999.0, 99.99 indicate missing records.

Trace = .001

OCTOBER 1986 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	DIV	DEV						HEAT		DEV		COOL		DEV		TOT	NUM	FROM	MAX	DAY
			MEAN	NUM	FROM	MAX	MIN	DAY	DEG	FROM	DEG	FROM	PPT	OBS	FROM	MAX					
BARNSDALL	535	3	59.3	29	999.0	80.	1	35.	17	184.0	9999.0	18.0	9999.0	8.364	31	5.29	3.25	2			
BARTLESVILLE	548	3	61.2	31	-1.4	82.	1	36.	15	149.0	-11.0	31.0	-23.0	7.591	31	4.38	3.18	3			
BIXBY	7820	3	60.7	31	999.0	82.	3	37.	16	173.0	9999.0	39.0	9999.0	7.340	30	99.99	4.25	1			
CHELSEA	1717	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.730	31	99.99	.80	1			
CLAREMORE	1828	3	60.0	30	-1.4	79.	2	37.	17	181.5	1.5	32.5	-35.5	4.302	31	.88	1.57	1			
CLEVELAND	1902	3	62.2	29	999.0	83.	17	36.	13	118.5	9999.0	36.0	9999.0	3.200	29	99.99	1.47	3			
FORAKER	3250	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.260	31	4.16	6.30	3			
HOLLOW	4258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.440	31	2.91	2.20	1			
HOMINY	4289	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.390	31	3.44	1.82	22			
JAY TOWER	4567	3	62.5	31	999.0	79.	19	34.	15	123.5	9999.0	46.5	9999.0	6.550	31	99.99	4.30	1			
KANSAS	4672	3	60.1	31	999.0	78.	3	36.	15	172.0	9999.0	20.0	9999.0	8.117	31	99.99	6.38	1			
KEYSTONE DAM	4812	3	58.7	30	999.0	80.	28	32.	15	208.0	9999.0	19.5	9999.0	6.980	31	99.99	3.17	1			
LENAPAH	5118	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.670	31	99.99	2.44	4			
MANNFORD	5522	3	61.1	31	999.0	81.	28	35.	13	149.5	9999.0	29.5	9999.0	7.580	31	99.99	2.24	1			
MARAMEC	5540	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.970	31	2.81	1.95	22			
MIAMI	5855	3	57.7	30	-3.7	81.	17	33.	16	232.0	58.0	12.5	-50.5	3.160	31	-5.8	.76	24			
NOWATA	6485	3	61.3	31	-1.5	79.	3	38.	16	142.0	-15.0	26.5	-31.5	5.312	31	2.01	1.60	22			
ONETA	6713	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.491	31	99.99	4.83	1			
PAWBUSKA	6937	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.390	31	99.99	4.02	3			
PAWNEE	6940	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.371	31	4.65	4.20	3			
PRYOR	7309	3	64.0	6	2.6	79.	3	45.	21	22.5	-144.5	16.5	-38.5	4.205	31	.43	2.00	1			
QUAPAW	7358	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.122	31	2.46	1.90	25			
RALSTON	7390	3	61.1	31	999.0	83.	28	37.	19	147.0	9999.0	27.5	9999.0	6.072	31	3.38	3.50	3			
RAMONA	7394	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.830	31	99.99	1.79	22			
SKIATOOK	8258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.010	31	.82	1.78	22			
SPAVINAW	8380	3	62.4	31	999.0	81.	19	34.	15	123.0	9999.0	41.5	9999.0	5.461	31	1.81	2.91	1			
SPAVINAW AG	8382	3	62.3	29	999.0	81.	20	34.	16	117.5	9999.0	38.0	9999.0	5.461	30	99.99	2.91	1			
STILWELL	8506	3	60.9	31	999.0	80.	3	34.	15	160.0	9999.0	32.0	9999.0	11.611	31	8.33	6.45	1			
TULSA	8992	3	61.3	31	-1.3	80.	4	39.	13	154.5	8.5	40.5	-31.5	6.024	31	2.61	3.08	1			
UPPER SPAVINAW	9101	3	63.7	30	999.0	85.	17	38.	17	102.5	9999.0	64.5	9999.0	5.343	31	99.99	3.55	1			
VINITA	9203	3	60.1	31	-1.1	79.	3	35.	16	179.5	3.5	28.5	-29.5	2.800	31	-.92	.63	12			
WAGONER	9247	3	62.1	31	-1.0	81.	2	41.	16	127.0	-14.0	36.0	-46.0	11.850	31	8.75	7.41	1			
WANN	9298	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.130	31	99.99	3.55	3			
WYONNA	9792	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.285	31	99.99	2.90	3			

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

OCTOBER 1986 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

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	MIN TEMP	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM							
CANTON DAM	1445	4	58.9	30	-3.7	81.	3	33.	14	192.0	47.0	9.5	-61.5	5.100	30	3.02	2.38	22			
CLINTON	1909	4	62.0	31	-1.2	83.	3	34.	13	122.5	-22.5	29.0	-29.0	13.810	31	11.11	8.07	3			
COLONY	2039	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.420	31	99.99	3.35	3			
CORDELL	2125	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.812	31	4.23	3.10	22			
ELK CITY	2849	4	59.4	31	999.0	82.	3	31.	13	195.5	9999.0	21.5	9999.0	9.103	31	7.11	5.15	3			
ERICK	2944	4	60.0	31	-1.8	84.	3	32.	13	174.0	29.0	19.5	-25.5	10.024	31	7.82	5.94	3			
GEARY	3497	4	59.8	30	-2.8	79.	3	34.	13	173.5	33.5	17.0	-49.0	7.760	30	5.33	3.15	22			
HAMMON	3871	4	58.3	30	-3.0	82.	3	30.	12	210.5	40.5	9.5	-46.5	8.601	31	6.70	4.25	3			
LEEDEY	5090	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.900	31	6.14	3.95	3			
MORAVIA	6035	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	12.171	31	9.75	6.70	3			
OKEENE	6629	4	61.2	31	-2.2	82.	3	35.	14	141.5	19.5	25.0	-48.0	12.320	31	10.20	7.48	3			
RETROP	7565	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.870	31	99.99	5.10	3			
REYDON	7579	4	59.2	31	999.0	85.	3	28.	13	195.5	9999.0	16.5	9999.0	4.834	31	3.15	1.52	21			
SAYRE	7952	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.870	31	7.74	5.49	3			
SWEETWATER	8652	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.300	31	99.99	1.60	11			
TALOGA	8708	4	60.7	31	-1.3	82.	3	32.	13	149.0	-19.0	16.5	-27.5	8.962	31	7.10	5.42	3			
VICI	9172	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.170	31	99.99	3.00	3			
WATONGA	9364	4	59.7	31	999.0	82.	3	33.	13	183.5	9999.0	20.5	9999.0	10.092	31	7.87	6.07	3			
WEATHERFORD	9422	4	60.1	30	-2.6	82.	3	34.	14	165.0	31.0	17.0	-46.0	8.640	31	5.91	3.85	3			

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

OCTOBER 1986 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	DIV	DEV				MIN	DAY	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									FROM NORM	MAX		
AMBER	200	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.090	31	99.99	2.51	22
ARCADIA	288	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.080	31	99.99	2.10	22
BLANCHARD	830	5	61.6	31	999.0	83.	2	35.	13	147.5	9999.0	41.5	9999.0	7.335	31	99.99	2.58	22
TINKER AFB	325	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.061	31	99.99	2.94	3
BRISTOW	1144	5	61.9	31	-1.4	87.	2	35.	15	139.0	3.0	42.0	-43.0	1.822	31	-7.2	.45	11
CHANDLER	1684	5	61.7	31	-1.6	82.	1	37.	13	141.5	12.5	40.0	-37.0	8.011	31	5.58	3.08	1
CHICKASHA	1750	5	62.1	31	-1.1	82.	17	36.	13	129.5	1.5	40.0	-32.0	12.110	31	9.40	5.40	2
COX CITY	2196	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.531	31	99.99	2.70	21
CRESCENT	2242	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.230	31	99.99	2.00	22
CUSHING	2318	5	61.8	30	-6	81.	28	37.	13	127.5	-22.5	32.0	-37.0	8.250	31	5.57	2.72	1
EL RENO	2818	5	60.7	31	-1.7	82.	17	35.	13	164.0	24.0	31.0	-28.0	6.000	31	3.12	2.28	3
GUTHRIE	3821	5	62.3	31	-7	83.	29	37.	13	120.5	-18.5	37.5	-39.5	7.990	31	5.33	3.00	3
HENNESSEY	4055	5	60.9	31	-1.9	80.	3	38.	13	151.5	10.5	25.5	-47.5	8.760	31	6.65	4.95	3
INGALLS	4489	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.103	31	99.99	2.75	1
KINGFISHER	4861	5	61.1	31	-1.0	81.	3	36.	13	152.0	23.0	30.0	-34.0	9.301	31	6.86	4.42	3
KINGFISHER CREEK	4862	5	60.9	30	999.0	81.	2	36.	13	146.0	9999.0	23.5	9999.0	9.301	31	99.99	4.42	3
UJC KINGFISHER	4864	5	60.9	30	999.0	81.	2	36.	13	146.0	9999.0	23.5	9999.0	9.301	31	99.99	4.42	3
KONAWA	4915	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.450	31	1.86	2.84	1
MARSHALL	5589	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.390	31	5.79	4.25	3
MEEKER	5779	5	61.2	30	-1.3	83.	3	37.	14	151.5	1.5	38.0	-35.0	7.650	31	4.87	3.00	1
MULHALL	6110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.772	31	99.99	2.42	22
NORMAN	6386	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.221	31	5.59	2.51	3
OILTON	6616	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.390	31	99.99	2.24	1
OKEMAH	6638	5	61.4	31	-2.1	83.	2	37.	13	145.0	20.0	34.0	-45.0	10.120	31	7.25	5.88	1
OKLAHOMA CITY	6661	5	61.7	31	-6	81.	17	37.	13	146.5	1.5	43.0	-18.0	9.692	31	6.98	4.33	3
PERKINS	7003	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.720	31	3.57	2.05	1
PIEDMONT	7068	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.590	31	99.99	2.44	22
PRAGUE	7264	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.133	31	4.26	3.09	1
PURCELL	7327	5	61.3	31	-1.6	83.	4	36.	13	158.5	23.5	43.0	-27.0	10.071	31	6.89	3.40	2
SEMINOLE	8042	5	63.4	31	-1.2	84.	2	40.	16	105.5	5.5	57.0	-31.0	9.350	31	6.50	5.00	1
SHAWNEE	8110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.721	31	6.52	4.07	1
STELLA	8479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.390	31	99.99	2.12	22
STILLWATER	8501	5	60.2	30	-1.7	82.	28	35.	14	169.5	11.5	26.5	-35.5	6.652	31	3.75	3.30	3
STROUD	8563	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.460	31	99.99	1.91	1
TECUMSEH	8751	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.273	31	99.99	3.13	1
THOMAS	8815	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.690	31	99.99	6.13	3
TROUSDALE	8960	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.181	31	99.99	2.20	22
UNION CITY	9086	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	11.970	31	8.88	3.51	3
WELTY	9479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.970	31	99.99	4.00	1
WEWOKA	9575	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.320	31	2.34	2.24	1

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

OCTOBER 1986 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

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	FROM NORM								
ASHLAND	364	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.212	31	99.99	1.30	12		
BEGSS	631	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	11.060	31	99.99	7.47	1		
BOYNTON	1027	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.601	31	99.99	4.70	1		
CALVIN	1391	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.112	31	1.40	2.76	1		
CHECOTAH	1711	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.053	31	6.61	5.75	1		
DEWAR	2485	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	11.051	31	7.79	7.07	1		
HARTSHORNE	3946	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.043	31	99.99	.58	12		
DUSTIN	2690	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.440	31	99.99	2.50	1		
EUFULA	2993	6	63.1	31	999.0	85.	2	41.	15	110.5	9999.0	53.0	9999.0	4.992	31	1.58	2.05	1		
HANNA	3804	6	62.3	31	999.0	86.	2	36.	15	137.5	9999.0	55.0	9999.0	5.271	31	2.00	3.30	1		
HASKELL	3956	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.540	31	5.47	4.35	1		
HOLDENVILLE	4235	6	62.0	31	-2.1	86.	2	37.	15	133.5	18.5	41.0	-46.0	4.820	31	1.28	2.30	1		
LAKE EUFAULA	4975	6	62.9	30	999.0	86.	2	40.	15	118.5	9999.0	56.5	9999.0	5.280	31	99.99	1.41	1		
LYONS	5437	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.100	31	-2.98	.10	4		
MCALESTER	5664	6	62.4	31	-.8	86.	2	36.	16	139.0	6.0	57.0	-21.0	1.691	31	-2.21	.49	23		
MCCURTAIN	5693	6	63.2	31	999.0	85.	3	35.	15	117.0	9999.0	60.0	9999.0	2.521	31	-.79	.70	9		
MUSKOGEE	6130	6	61.9	31	-1.0	84.	2	37.	16	130.0	-10.0	34.5	-40.5	9.291	31	5.95	7.70	1		
OKMULGEE WATER WORK	6670	6	61.2	30	-1.9	84.	2	38.	16	150.5	12.5	37.0	-42.0	5.200	31	2.31	3.10	1		
OKTAHA	6678	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	11.870	31	99.99	7.53	1		
QUINTON	7372	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.461	31	-2.15	.52	11		
SALLISAW	7862	6	62.4	31	-1.0	87.	2	34.	15	133.0	7.0	51.5	-24.5	5.775	31	1.91	3.02	1		
SCIPID	7979	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.620	31	99.99	.86	23		
SCRAPER	7993	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.000	31	99.99	4.80	1		
SHORT	8170	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.741	31	99.99	3.52	2		
TAHLEQUAH	8670	6	61.4	31	999.0	79.	18	33.	15	148.5	9999.0	35.5	9999.0	10.070	31	99.99	5.05	1		
WEBBERS FALLS	9445	6	61.7	30	-.3	85.	2	37.	17	147.0	-5.0	49.0	-10.0	9.750	31	6.00	4.05	1		
WESTVILLE	9523	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.720	31	99.99	5.50	1		
WETUMKA	9571	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.397	31	3.27	2.36	1		

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

OCTOBER 1986 SUMMARY FOR SOUTHWEST DIVISION (CD)

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	DAY	MIN TEMP	DAY	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM						
ALTUS IRR STA	179	7	62.2	31	-2.4	84.	3	34.	13	123.0	16.0	35.0	-60.0	6.720	31	4.17	2.76	22			
ALTUS DAM	184	7	61.8	30	999.0	84.	3	34.	13	123.5	9999.0	28.0	9999.0	6.280	31	3.58	3.40	21			
ANADARKO	224	7	60.1	26	-3.0	82.	3	35.	13	159.0	32.0	32.5	-35.5	7.830	29	5.19	2.73	22			
ALTUS AFB	447	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.855	31	99.99	2.94	22			
CARNEGIE	1504	7	62.6	31	-6	92.	1	33.	13	136.5	10.5	61.0	-10.0	7.190	31	5.00	3.20	22			
CHATTANOOGA	1706	7	62.6	31	-1.7	86.	1	37.	13	123.0	22.0	47.5	-31.5	8.711	31	5.94	3.86	22			
DUNCAN	2668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.063	31	99.99	3.55	22			
FLETCHER	3191	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	17.150	31	99.99	6.78	2			
FREDERICK	3353	7	61.9	30	-3.7	86.	3	35.	13	126.5	33.5	32.5	-79.5	9.830	31	7.37	3.40	22			
GRANDFIELD	3709	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.210	31	7.37	4.71	1			
HOLLIS	4249	7	62.3	29	-1.7	87.	3	32.	13	113.5	3.5	36.5	-42.5	6.060	31	3.81	2.64	3			
HOBART FAA	4204	7	60.0	30	-2.4	80.	17	34.	13	166.5	24.5	16.0	-45.0	5.620	31	3.10	3.05	22			
LANTON	5063	7	61.2	28	-2.8	84.	2	36.	12	125.0	10.0	18.5	-65.5	9.281	28	6.43	3.70	1			
FT SILL	5068	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.503	31	5.65	4.11	22			
LOCO	5247	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.572	31	99.99	1.12	22			
LOOKEBA	5329	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.900	31	99.99	2.45	22			
RANDLETT	7403	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.032	31	99.99	2.95	22			
ROOSEVELT	7727	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.980	31	4.50	3.40	22			
SEDAN	8016	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.500	31	99.99	3.90	22			
SNYDER	8299	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.453	31	6.09	3.34	22			
VINSON	9212	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	11.300	31	9.03	5.71	3			
WALTERS	9278	7	63.3	30	-1.5	86.	4	37.	13	112.5	-3.5	61.0	-49.0	6.710	30	3.79	2.90	22			
WICHITA MT REF	9629	7	58.8	30	-3.9	80.	3	30.	13	203.5	64.5	18.5	-49.5	10.330	31	7.60	4.40	22			
WILLOW	9668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.963	31	99.99	5.27	3			

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

OCTOBER 1986 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

NAME	ID	DIV	DEV					HEAT		DEV		COOL		DEV		TOT	DEV		
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	DEG	FROM	NUM	FROM		MAX		
			TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM	PPT	OBS	NORM	24-HR	DAY	
ADA	17	8	62.4	30	-2.0	88.	28	38.	13	115.5	-3.5	37.5	-62.5	3.303	31	-.62	1.07	1	
ALLEN	147	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.500	31	99.99	1.60	1	
ARDMORE	292	8	64.1	31	-2.8	87.	2	39.	13	102.5	33.5	75.5	-52.5	1.800	31	-1.52	.66	22	
ATOKA DAM	394	8	63.4	25	999.0	88.	2	40.	16	94.0	9999.0	55.0	9999.0	1.591	31	99.99	.39	2	
BOKCHITO	917	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.930	31	99.99	1.01	2	
CANEY	1437	8	61.7	30	999.0	85.	10	39.	15	149.0	9999.0	50.5	9999.0	1.270	31	99.99	.55	2	
CHICKASAW NRA	1745	8	61.4	30	999.0	84.	2	36.	16	157.0	9999.0	50.0	9999.0	2.091	31	99.99	.68	22	
COMANCHE	2054	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.562	31	99.99	.47	3	
DAISY	2354	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.513	31	-1.30	.87	12	
DURANT USDA	2678	8	63.5	30	999.0	88.	3	30.	19	115.0	9999.0	68.5	9999.0	5.810	31	2.34	4.16	2	
ELMORE CITY	2872	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.335	31	99.99	.65	11	
FARRIS	3083	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.150	31	99.99	1.02	2	
GRADY	3688	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.400	31	99.99	.42	22	
HEALDTON	4001	8	62.5	31	999.0	87.	2	36.	16	138.0	9999.0	60.0	9999.0	2.821	31	-.30	.88	22	
HENNEPIN	4052	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.250	31	99.99	2.50	5	
KINGSTON	4865	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.531	31	.89	1.02	5	
LEHIGH	5100	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.323	31	99.99	.50	24	
LINDSAY	5220	8	61.9	30	999.0	84.	2	36.	13	139.5	9999.0	47.5	9999.0	8.171	30	99.99	3.03	21	
MARIETTA	5563	8	64.6	31	-.8	89.	2	38.	13	82.0	-10.0	69.5	-35.5	3.611	31	.58	.88	2	
MARLOW	5581	8	62.0	31	999.0	83.	3	33.	13	136.0	9999.0	43.5	9999.0	9.090	31	6.14	3.49	22	
OSWALT	6787	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.850	31	99.99	.60	12	
PAULS VALLEY	6926	8	63.4	22	-.9	84.	2	37.	13	83.5	-21.5	48.5	-34.5	3.146	31	-.42	1.81	21	
TISHOMINGO	8884	8	62.2	18	999.0	87.	1	37.	16	80.5	9999.0	30.0	9999.0	2.591	31	-1.04	1.25	5	
TUSSY	9032	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.693	31	99.99	3.68	1	
WAURIKA	9395	8	64.7	30	-.8	87.	2	41.	26	84.0	-10.0	76.5	-32.5	5.010	31	2.32	2.10	22	

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

OCTOBER 1986 SUMMARY FOR SOUTHEAST DIVISION (CD9)

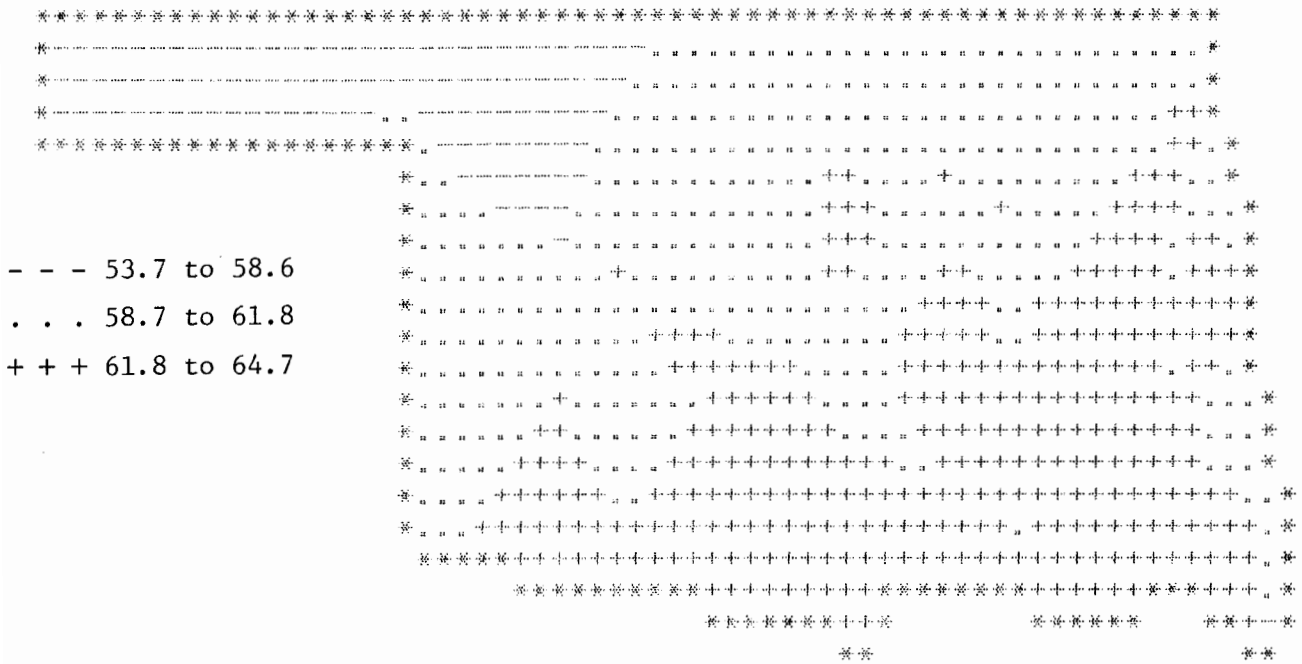
NAME	ID	DIV	DEV						HEAT		DEV		COOL		DEV		TOT PPT	NUM OBS	FROM NORM	MAX	24-HR DAY
			MEAN TEMP	NUM OBS	FROM NORM	MAX	MIN	DAY	DEGREE	FROM	DEGREE	FROM	DEGREE	FROM	DEGREE						
ANTLERS	256	9	63.4	31	-1	89.	2	39.	16	113.5	-10.5	65.0	-13.0	3.360	31	-55	.70	11			
BATTIEST	567	9	61.9	30	999.0	88.	3	34.	14	151.5	9999.0	58.0	9999.0	5.533	30	99.99	2.72	5			
BENGAL	670	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.830	31	99.99	.43	12			
BOSWELL	980	9	64.0	31	999.0	89.	2	42.	16	92.0	9999.0	61.0	9999.0	3.810	31	.11	1.68	5			
BROKEN BOW	1162	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.160	31	3.33	3.28	12			
BROKEN BOW DAM	1168	9	62.7	30	999.0	92.	3	37.	16	141.5	9999.0	71.0	9999.0	5.710	31	99.99	2.56	5			
BUFFALO TOWER	1251	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.430	11	99.99	2.40	23			
CARNASAW TOWER	1499	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.040	31	.90	1.60	5			
CARTER MT	1544	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.020	31	-5.6	1.85	5			
FANSHAWE	3065	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.030	31	-1.05	.55	9			
HEAVENER	4008	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.181	31	1.88	1.53	2			
HEE MT TOWER	4017	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.761	31	99.99	3.10	4			
HUGO	4384	9	64.5	31	-7	90.	3	40.	15	88.0	-6.0	72.0	-29.0	4.601	30	.66	2.65	5			
IDABEL	4451	9	63.6	30	-5	90.	3	38.	16	111.5	-3.5	70.0	-17.0	4.122	31	.28	1.68	5			
JADIE TOWER	4560	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.010	31	99.99	1.90	5			
POTEAU	7254	9	61.2	30	999.0	88.	1	35.	16	165.5	9999.0	52.5	9999.0	3.073	31	99.99	.77	4			
SMITHVILLE	8285	9	61.0	31	999.0	86.	3	31.	15	174.5	9999.0	49.5	9999.0	7.181	31	99.99	2.32	5			
SPIRO	8416	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.290	31	1.98	1.65	5			
TUSKAHOMA	9023	9	62.8	31	999.0	87.	2	33.	15	136.0	9999.0	66.5	9999.0	3.362	31	99.99	1.47	2			
VALLIANT	9118	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.101	31	.48	1.88	5			
WILBURTON	9634	9	61.4	31	-1.4	89.	2	33.	15	162.0	21.0	50.5	-22.5	2.652	31	-9.0	.74	9			
WISTER DAM	9719	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.791	14	99.99	.71	2			
ZOE	9985	9	62.0	22	999.0	89.	3	32.	16	123.0	9999.0	57.0	9999.0	4.670	26	.97	2.00	5			

OCTOBER 1986 CLIMATE DIVISION SUMMARY

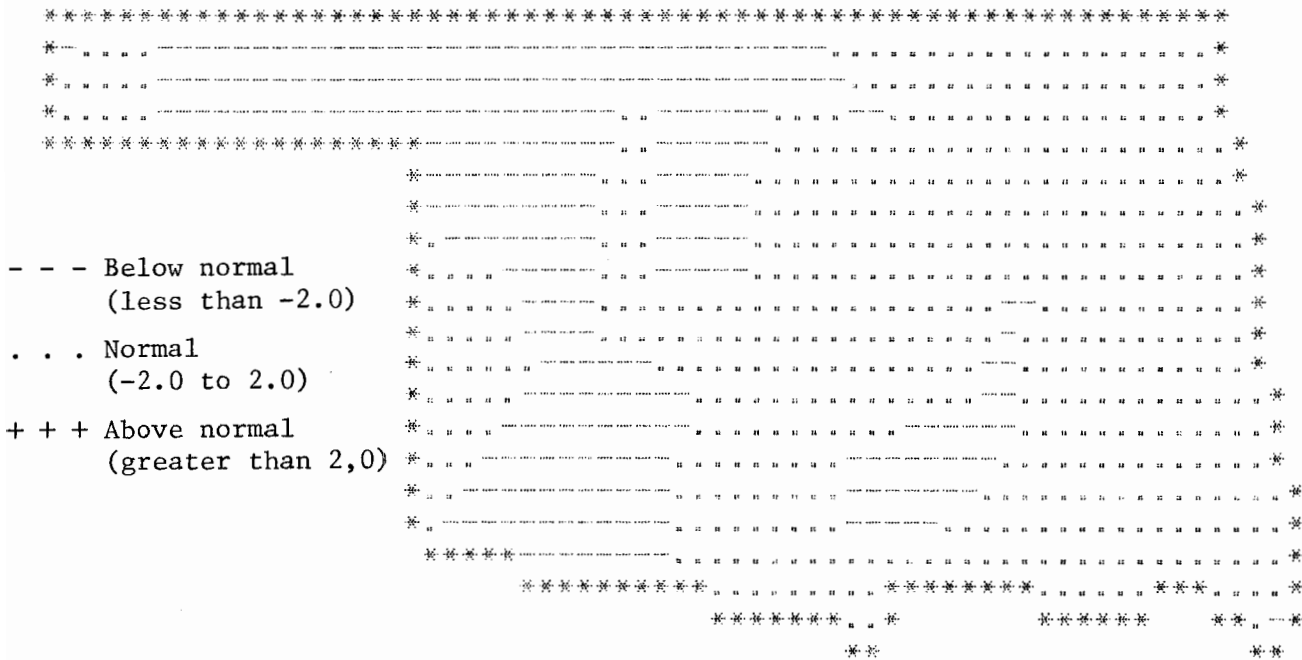
CLIMATE DIV	MEAN TEMP	NUM STA	DEV						HEAT		DEV		COOL		DEV	
			FROM NORM	MAX	MIN	DAY	TEMP	DEGREE	FROM	DEGREE	FROM	DEGREE	FROM	DEGREE	TOT PPT	NUM STA
1	56.5	10	-2.6	83.0	9	21.0	13	262.5	45.1	6.1	-29.2	2.67	13	1.37	2.65	11
2	59.6	14	-2.2	84.0	3	30.0	13	176.7	18.9	14.1	-45.3	7.71	24	5.59	12.00	2
3	61.0	19	-.8	85.0	17	32.0	15	154.9	-7.7	32.6	-31.1	6.37	34	3.07	7.41	1
4	59.9	11	-2.3	85.0	3	28.0	13	173.0	26.8	18.3	-41.2	0.83	19	6.64	8.07	3
5	61.5	17	-1.4	87.0	2	35.0	14	143.6	7.5	35.8	-36.3	7.74	40	4.92	6.13	3
6	62.2	11	-.9	87.0	2	33.0	15	133.2	-.8	48.2	-27.5	6.20	20	2.79	7.70	1
7	61.7	10	-2.2	92.0	1	30.0	13	135.4	17.8	35.5	-47.2	0.17	24	5.58	6.78	2
8	62.9	10	-2.4	89.0	2	30.0	19	121.8	26.0	57.9	-47.1	3.54	25	.15	4.16	2
9	62.6	10	-1.3	92.0	3	31.0	15	133.6	15.1	61.6	-23.2	4.18	21	.45	3.28	12

Note: 9999.0, 999.0, 99.99 indicate missing records.

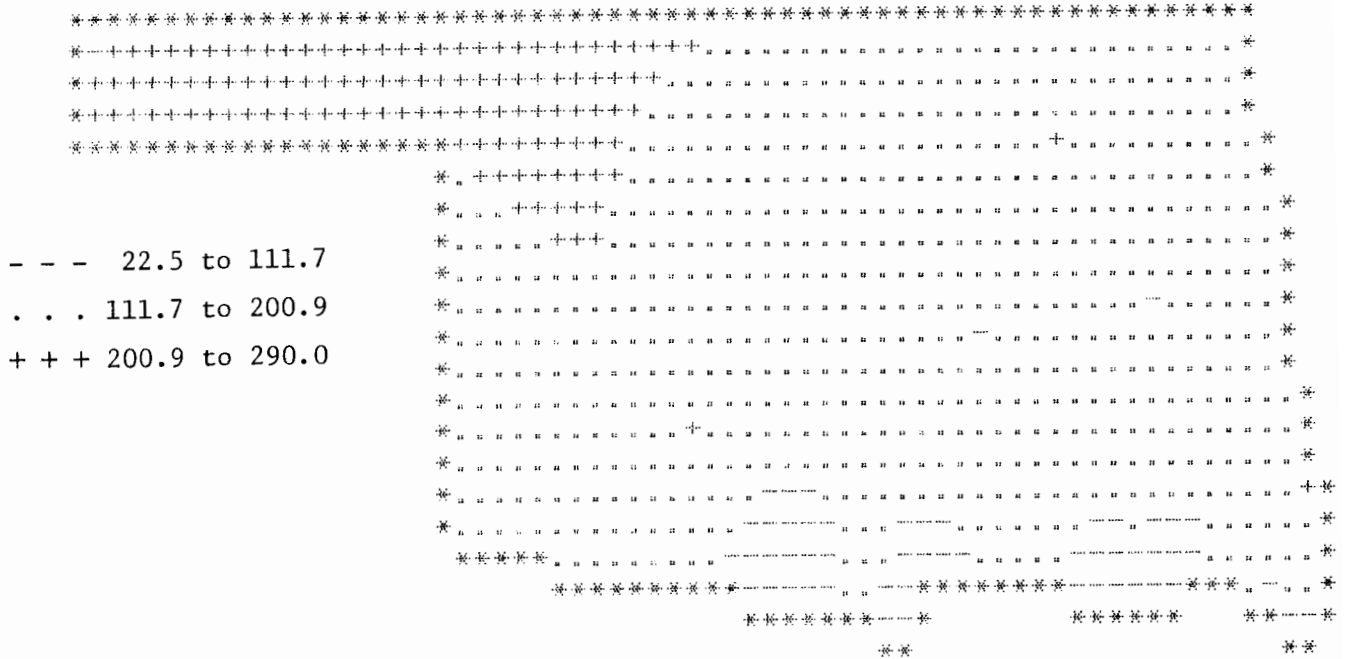
Trace = .001



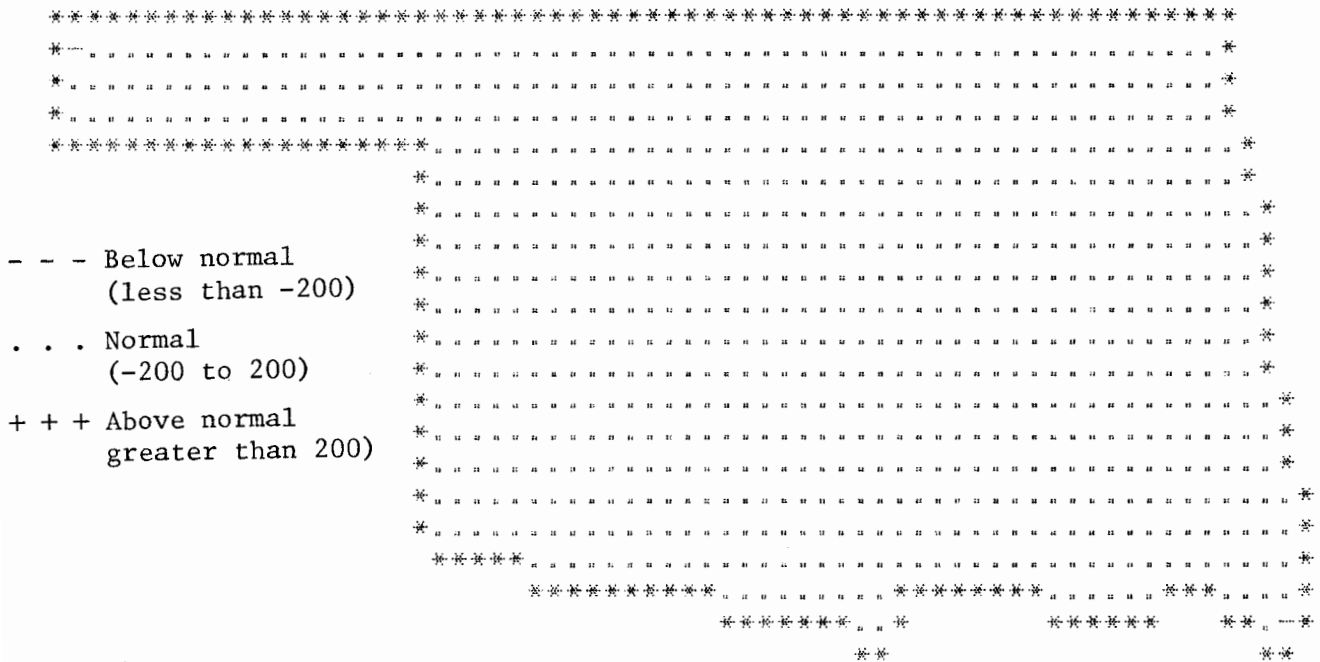
OCTOBER 1936 AVERAGE MONTHLY TEMPERATURE
(DEGREES F)



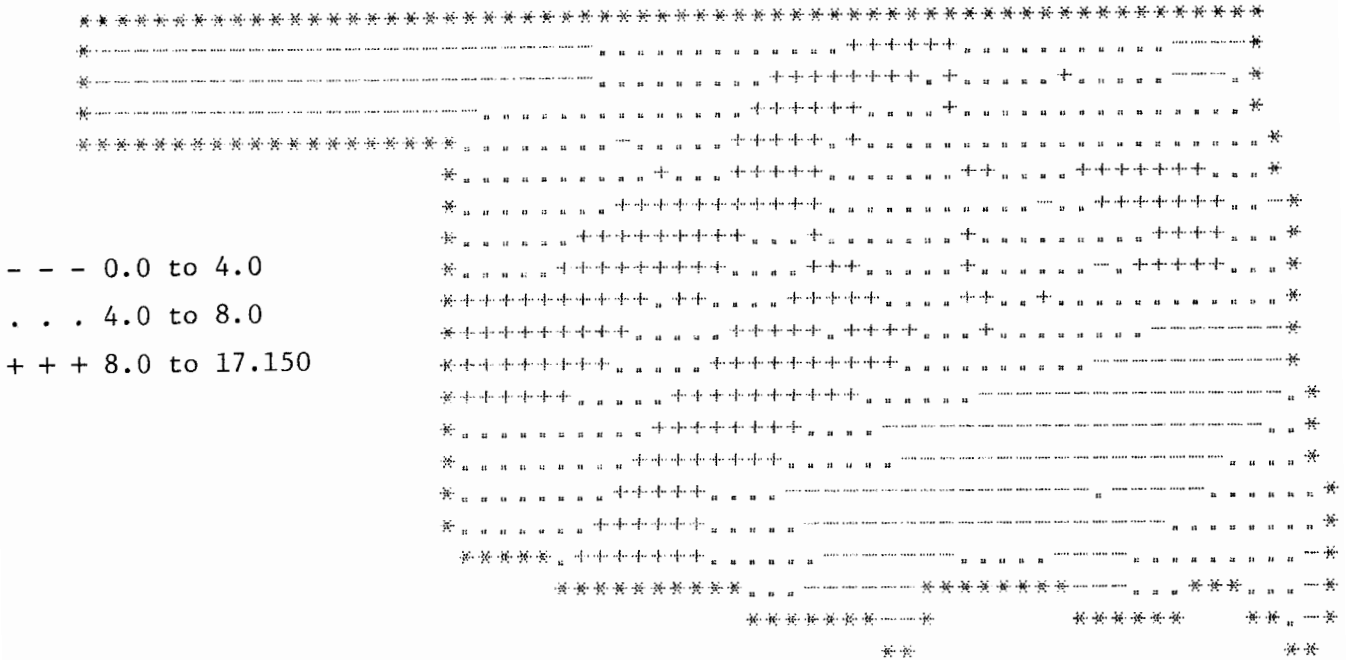
OCTOBER 1936 DEVIATION FROM NORMAL TEMPERATURE



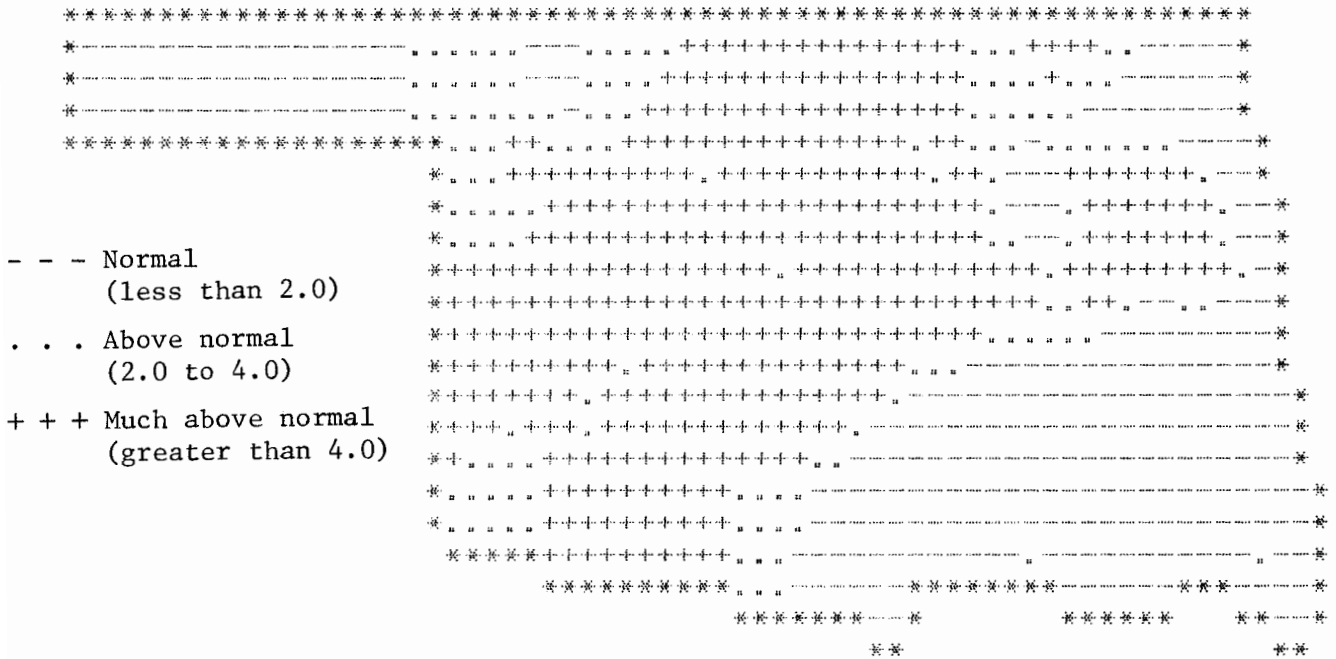
OCTOBER 1986 TOTAL HEATING DEGREE DAYS



OCTOBER 1986 DEVIATION FROM NORMAL HEATING DEGREE DAYS



OCTOBER 1986 TOTAL PRECIPITATION (INCHES)



OCTOBER 1986 DEVIATION FROM NORMAL PRECIPITATION

DECEMBER 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)

<p>Normal 1 56.0 max 33.7 min .022 pcpn 20 HDD 0 CDD</p> <p>Highest Max 76-1983 Lowest Max 20-1985 Lowest Min 12-1985 Highest Min 57-1933 Greatest pcpn .57-1958</p>	<p>Actual</p> <p>Normal 2 57.9 max 36.0 min .088 pcpn 19 HDD 0 CDD</p> <p>Highest Max 77-1975 Lowest Max 24-1985 Lowest Min 10-1985 Highest Min 56-1951 Greatest pcpn 1.59-1953</p>	<p>Normal 3 57.1 max 32.9 min .015 pcpn 20 HDD 0 CDD</p> <p>Highest Max 74-1975 Lowest Max 30-1978 Lowest Min 17-1978 Highest Min 52-1961 Greatest pcpn 1.39-1947</p>	<p>Normal 4 55.6 max 33.6 min .027 pcpn 20 HDD 0 CDD</p> <p>Highest Max 75-1954 Lowest Max 25-1972 Lowest Min 16-1978 Highest Min 51-1956 Greatest pcpn 2.59-1930</p>	<p>Normal 5 55.0 max 33.1 min .053 pcpn 21 HDD 0 CDD</p> <p>Highest Max 77-1975 Lowest Max 32-1937 Lowest Min 10-1980 Highest Min 59-1980 Greatest pcpn 1.00-1955</p>	<p>Normal 6 48.9 max 29.8 min .014 pcpn 25 HDD 0 CDD</p> <p>Highest Max 77-1939 Lowest Max 19-1972 Lowest Min 5-1950 Highest Min 63-1980 Greatest pcpn 1.99-1926</p>	<p>Normal 7 49.9 max 28.1 min .009 pcpn 26 HDD 0 CDD</p> <p>Highest Max 80-1966 Lowest Max 24-1950 Lowest Min 5-1950 Highest Min 62-1980 Greatest pcpn 1.23-1980</p>	<p>Normal 8 50.0 max 28.7 min .062 pcpn 25 HDD 0 CDD</p> <p>Highest Max 71-1970 Lowest Max 26-1927 Lowest Min 7-1927 Highest Min 61-1946 Greatest pcpn 1.50-1980</p>	<p>Actual</p> <p>Normal 9 47.9 max 27.7 min .015 pcpn 27 HDD 0 CDD</p> <p>Highest Max 71-1939 Lowest Max 21-1932 Lowest Min 10-1978 Highest Min 56-1946 Greatest pcpn .85-1943</p>	<p>Normal 10 49.4 max 28.4 min .099 pcpn 26 HDD 0 CDD</p> <p>Highest Max 72-1939 Lowest Max 24-1972 Lowest Min 11-1977 Highest Min 58-1965 Greatest pcpn 1.06-1960</p>	<p>Normal 11 48.2 max 27.4 min .036 pcpn 27 HDD 0 CDD</p> <p>Highest Max 75-1939 Lowest Max 21-1961 Lowest Min 8-1932 Highest Min 52-1946 Greatest pcpn 1.07-1946</p>	<p>Normal 12 48.2 max 26.5 min .012 pcpn 27 HDD 0 CDD</p> <p>Highest Max 73-1973 Lowest Max 17-1932 Lowest Min 6-1932 Highest Min 47-1984 Greatest pcpn 1.19-1928</p>	<p>Normal 13 48.1 max 26.4 min .003 pcpn 27 HDD 0 CDD</p> <p>Highest Max 77-1948 Lowest Max 17-1958 Lowest Min 6-1958 Highest Min 62-1929 Greatest pcpn .41-1928</p>	<p>Normal 14 49.4 max 27.2 min .049 pcpn 26 HDD 0 CDD</p> <p>Highest Max 74-1933 Lowest Max 18-1926 Lowest Min 6-1958 Highest Min 64-1948 Greatest pcpn 1.52-1984</p>	<p>Normal 15 46.8 max 27.0 min .038 pcpn 28 HDD 0 CDD</p> <p>Highest Max 75-1948 Lowest Max 26-1926 Lowest Min 6-1926 Highest Min 59-1929 Greatest pcpn .69-1959</p>	<p>Actual</p> <p>Normal 16 51.2 max 27.5 min .058 pcpn 25 HDD 0 CDD</p> <p>Highest Max 73-1939 Lowest Max 21-1932 Lowest Min 10-1932 Highest Min 56-1929 Greatest pcpn .56-1931</p>	<p>Normal 17 51.1 max 27.8 min .058 pcpn 25 HDD 0 CDD</p> <p>Highest Max 75-1939 Lowest Max 21-1965 Lowest Min 2-1979 Highest Min 45-1939 Greatest pcpn 1.68-1959</p>	<p>Normal 18 50.6 max 28.7 min .037 pcpn 25 HDD 0 CDD</p> <p>Highest Max 69-1982 Lowest Max 19-1983 Lowest Min 5-1964 Highest Min 47-1939 Greatest pcpn .83-1933</p>	<p>Normal 19 51.8 max 29.8 min .022 pcpn 24 HDD 0 CDD</p> <p>Highest Max 75-1978 Lowest Max 9-1983 Lowest Min 3-1983 Highest Min 54-1978 Greatest pcpn .57-1956</p>	<p>Normal 20 50.4 max 28.8 min .026 pcpn 25 HDD 0 CDD</p> <p>Highest Max 73-1966 Lowest Max 21-1983 Lowest Min 4-1983 Highest Min 50-1967 Greatest pcpn .43-1972</p>	<p>Normal 21 49.9 max 27.2 min .015 pcpn 26 HDD 0 CDD</p> <p>Highest Max 68-1966 Lowest Max 11-1983 Lowest Min -2-1983 Highest Min 51-1941 Greatest pcpn .83-1942</p>	<p>Normal 22 53.5 max 29.1 min .018 pcpn 23 HDD 0 CDD</p> <p>Highest Max 70-1933 Lowest Max 9-1983 Lowest Min -3-1983 Highest Min 47-1979 Greatest pcpn 2.01-1932</p>	<p>Actual</p> <p>Normal 23 51.4 max 30.2 min .043 pcpn 24 HDD 0 CDD</p> <p>Highest Max 70-1955 Lowest Max 10-1983 Lowest Min 1-1983 Highest Min 57-1965 Greatest pcpn 1.80-1932</p>	<p>Normal 24 51.0 max 28.6 min .091 pcpn 25 HDD 0 CDD</p> <p>Highest Max 86-1955 Lowest Max 3-1983 Lowest Min 0-1983 Highest Min 50-1955 Greatest pcpn 1.34-1965</p>	<p>Normal 25 51.5 max 28.6 min .003 pcpn 25 HDD 0 CDD</p> <p>Highest Max 71-1950 Lowest Max 13-1983 Lowest Min -1-1983 Highest Min 49-1936 Greatest pcpn .26-1939</p>	<p>Normal 26 51.1 max 28.3 min .011 pcpn 25 HDD 0 CDD</p> <p>Highest Max 68-1968 Lowest Max 25-1983 Lowest Min 11-1983 Highest Min 36-1936 Greatest pcpn 1.15-1940</p>	<p>Normal 27 49.3 max 27.9 min .052 pcpn 26 CDD 0 CDD</p> <p>Highest Max 75-1946 Lowest Max 26-1983 Lowest Min 15-1938 Highest Min 56-1946 Greatest pcpn 1.06-1927</p>	<p>Normal 28 48.2 max 29.8 min .081 pcpn 26 HDD 0 CDD</p> <p>Highest Max 72-1947 Lowest Max 23-1983 Lowest Min 8-1983 Highest Min 56-1984 Greatest pcpn 1.85-1979</p>	<p>Normal 29 48.9 max 29.7 min .040 pcpn 25 HDD 0 CDD</p> <p>Highest Max 76-1951 Lowest Max 20-1983 Lowest Min 3-1983 Highest Min 63-1984 Greatest pcpn .23-1972</p>	<p>Actual</p> <p>Normal 30 45.3 max 27.2 min .034 pcpn 29 HDD 0 CDD</p> <p>Highest Max 88-1927 Lowest Max 21-1978 Lowest Min 3-1983 Highest Min 55-1965 Greatest pcpn .30-1974</p>	<p>Normal 31 45.4 max 25.2 min .041 pcpn 29 HDD 0 CDD</p> <p>Highest Max 79-1951 Lowest Max 17-1978 Lowest Min 1-1927 Highest Min 55-1965 Greatest pcpn 1.03-1984</p>
--	---	---	---	---	--	--	--	--	--	---	---	--	---	--	---	---	--	---	--	---	---	---	--	---	--	--	---	--	--	---