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 MARCH 1985

A third consecutive wet month for 1985 resulted in continued flooding being reported in many parts of the State. Precipitation totals were not as extreme as in the previous two months, but saturated soils and nearly filled reservoirs left little space for the additional moisture. Selected stations which set new March precipitation records are given in Table 1. Stations setting new January through March total precipitation records are provided in Table 2. Nearly all areas of the State with complete March temperature or precipitation reports indicated warmer and wetter than normal conditions. The eastern one-half of the State reported particularly unusual warm mean monthly temperatures. The areas reporting the most unusual moisture conditions are two bands across south central, central and east central Oklahoma. These bands also represent areas that received large amounts of precipitation from storms on March 20 and 30. Oklahoma City set three new records during March 1985 which are given in the table below. Oklahoma City's March precipitation total of 4.515 and mean monthly temperature of 53 degrees makes 1985 the 20th wettest and 6th warmest March in the last 36 years.

Day	Record	Old Record	Year	New Record
11	highest min. temp.	56	1972	61
20	24-hour precip.	1.35"	1948	2.37"
28	highest min. temp.	59	1962	62

Severe weather was reported in central Oklahoma Sunday, March 3. Nineteen people were injured when a tornado moved across two mobile home parks in southern Logan County. The same storm contained strong

winds which resulted in widespread minor damage in the Bartlesville area. Reportedly, the storm weakened as it moved northeast of Bartlesville but another storm rapidly developed in central Creek County and moved norhteastward into western Tusla County.

Flood cleanup began in earnest the week of March 4 in the Skiatook area where February storms had innundated many homes and businesses. Damage in the Skiatook area is expected to come in well over $1 million. Miami, Oklahoma was equally hard hit.

The next major storm system moved across the State March 20. East Cache Creek was expected to crest 10 to 12 feet above flood stage near Walters. Little River was three feet over flood stage. Heavy rainfall was reported across southern Oklahoma with maximum amounts north of the Duncan area. These heavy rains helped to push many stations above their normally expected March precipitation totals. Up to four inches of rain fell in southwestern Oklahoma. Storm totals are indicated in Figure 1.

Two days later, March 22-23, a tornado was reported in Cotton County. the thunderstorm which produced the sitings moved east and southeast, through Jackson, Tillman, Cotton, Jefferson, Carter and Love Counties. Hail was reported in western Oklahoma counties along the Red River. At least two inches of hail was recorded at Hollis, in Harmon County.

Table 1. Selected Stations Setting New March Precipitation Records in 1985 (period of record = 1948-1983).

Station Name	Old Record (in.)	Year	New Record (in.)
Chandler	5.87	1973	6.505
Chickasha Res. Sta.	6.38	1973	7.69
Madill	6.99	1968	8.362
Marietta	7.74	1979	8.581
Purcell	7.74	1973	8.062
Tishomingo	7.40	1968	8.88
Waurika	3.48	1961	6.83

Table 2. Selected Stations Which Set New January Through March (3 month total) Precipitation Records During 1985 (period of record =1948-1983).

Station Name	Old Record (in.)	* Year	New Record (in.)
Duncan	11.71	1973	12.251
Hollow	12.95	1973	15.865
Norman	12.20	1973	15.937
Purcell	11.97	1973	18.098
Reydon	7.37	1949	8.810

* March 1973 was extremely wet and accounts in large part for these old records.

More storms blew through western Oklahoma March 26. A tornado was reported to have touched down briefly in Pontotoc County and funnel clouds were spotted northwest of Ada. Winds equal to or in excess of 60 mph were also reported at numerous locations.

March ended with another storm early on the 30th. Winter returned to the northwest and heavy rains drenched southeastern Oklahoma. Up to 4 inches of snow was reported in the panhandle and 5 inches of rain in the southeast. Wind gusts up to 80 mph were reported over Kerr Reservoir. A freeze warning was issued for a large portion of the State for the evening of March 30. Figure 2 illustrates that although freezing temperatures can normally be expected throughout March, all but the panhandle areas could be "frost-free" by mid-April.

Figure 1. March 20-21 Storm Total Precipitation (inches).

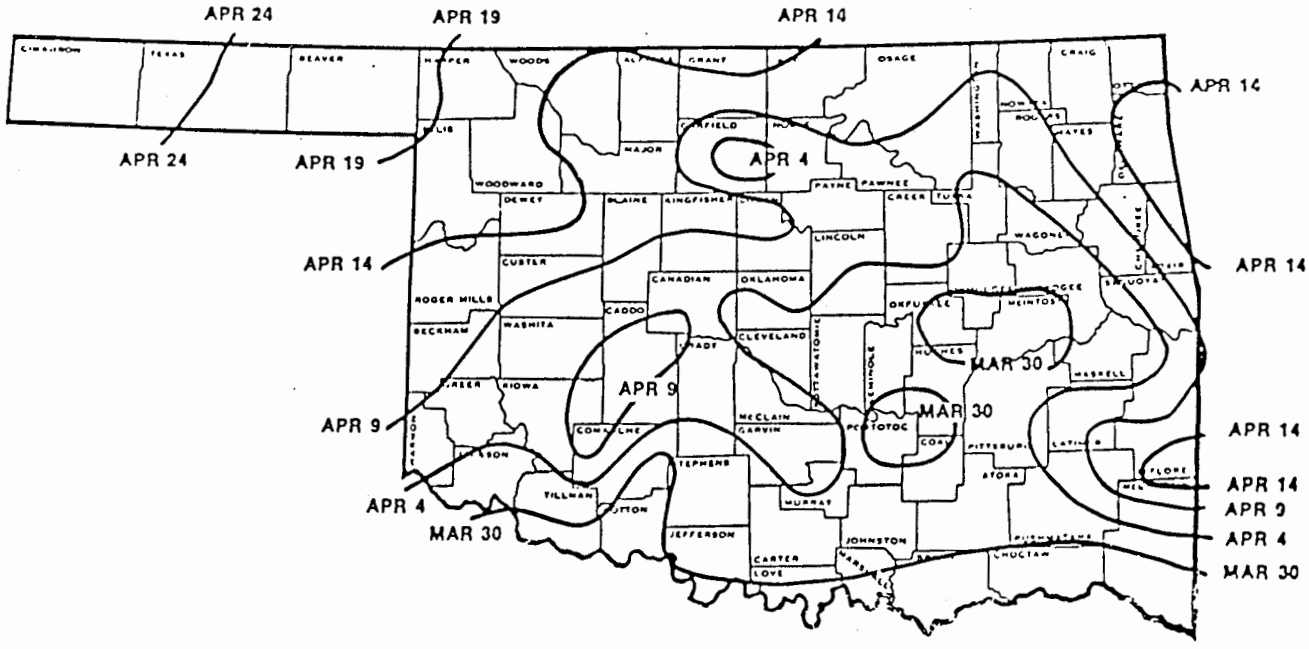


Figure 2. Mean occurrence date of last 32° (F.) temperature in Spring. (from Freezing Temperatures in Oklahoma).

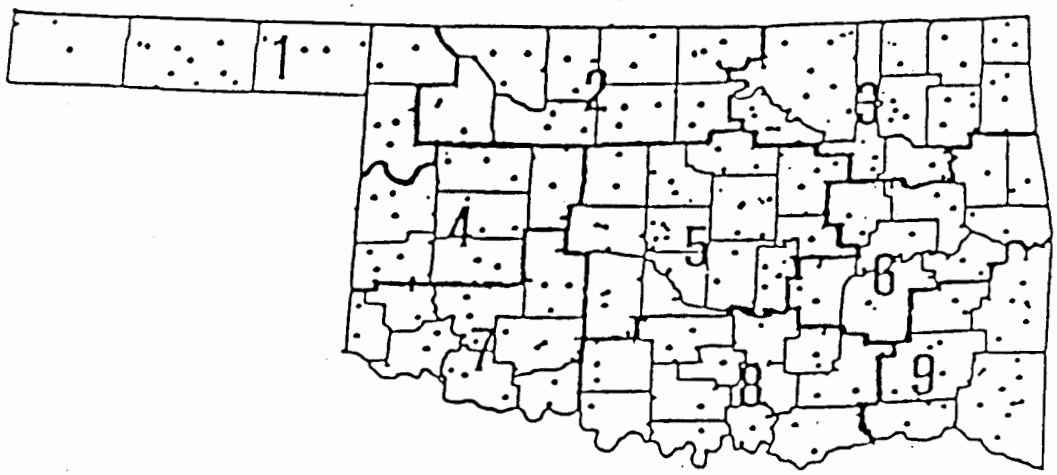
TABLE OF 1984/1985 MARCH COMPARISONS

Station	March Temperatures (F) 1984	1985	March Precipitation (in.) 1984	1985
Goodwell	*	46.8	*	2.61
Lahoma	42.7	49.9	61.5	2.35
Mutual	42.8	48.0	3.71	2.86
Tulsa	48.1	54.9	5.72	4.03
Elk City	46.8	50.8	2.70	3.16
Oklahoma City	46.8	53.0	4.51	4.52
McAlester	58.0	57.0	4.47	8.23
Altus Irr. Sta.	50.7	55.1	1.40	3.88
Durant	50.0	55.6	4.65	6.44
Ada	49.3	57.9	3.79	5.50
Tuskahoma	52.4	58.9	5.56	5.46

* indicates missing data.

MARCH EXTREMES

Variable	Station	Division	Observation	Date
Minimum temperature (F)	Boise City	1	11	4
Maximum temperature (F)	Hugo	9	90	7
Maximum 24-hour precipitation	Tishomingo	8	5.71"	30



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 temperature may be calculated by subtracting the deviation from the observed mean temperature.

maximum daily maximum: The maximum daily maximum temperature observed during the current month and year and the day which it occured.

minimum daily minimum: The minimum daily minimum temperature observed during the current month and year and the day which it occured.

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:

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

deviation from normal heating degree days: A positive value indicates hogher 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:

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

deviation from normal cooling degree days: A positive value indicates higher than normal cooling requirements for the month as a whole. A negative value indicates lower than normal cooling requirements for the month as a whole. Normal cooling degree days may be found by subtracting the deviation from the observed cooling degree days.

total precipitation: Often incorrectly referred to as mean precipitation, this value is the sum of all precipitation reported during the month at a station. If snow occurred, it is to be melted and its water equivalent recorded.

number of precipitation observations: The number of days a rain or no-rain observation was recorded. 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 valued indicates less than 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.

MARCH 1985 SUMMARY FOR NORTHWEST DIVISION (CD1)

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
ARNETT	332	1	49.4	30	4.0	78.	28	22.	5	469.0	-145.0	0.0	-6.0	2.65	31	1.35	1.05	20
BEAVER	593	1	49.3	30	4.0	84.	26	19.	31	471.0	-146.0	0.0	-6.0	1.32	31	.15	.60	20
BOISE CITY	908	1	47.6	31	3.5	79.	10	11.	4	539.5	-108.5	1.0	1.0	2.79	31	1.97	1.40	16
BUFFALO	1243	1	51.4	31	3.4	80.	27	19.	5	430.0	-111.0	7.5	-6.5	2.10	31	.39	1.30	20
FARGO	3070	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.77	31	.48	.81	20
GAGE	3407	1	49.5	31	3.6	77.	27	21.	5	481.0	-118.0	0.0	-7.0	2.55	31	1.37	1.23	30
GATE	3489	1	49.3	30	999.0	80.	25	22.	3	470.0	9999.0	0.0	9999.0	1.38	31	99.99	.51	20
GOODWELL RES STA	3628	1	46.8	30	2.0	78.	26	17.	5	545.0	-87.0	0.0	-6.0	2.61	31	1.83	1.46	20
GUYMON	3835	1	49.4	31	999.0	83.	26	20.	31	489.0	9999.0	4.5	9999.0	1.93	31	99.99	.92	20
HOOKER	4298	1	47.5	31	2.3	81.	27	19.	3	544.0	-77.0	0.0	-7.0	1.50	31	.27	.97	20
KENTON	4766	1	45.4	30	1.4	82.	10	12.	4	589.0	-62.0	0.0	0.0	.97	31	.21	.58	12
LAVERNE	5045	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.99	31	.45	1.11	21
REGNIER	7534	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.27	31	.59	.62	12
TURPIN	9017	1	48.2	30	999.0	82.	26	20.	4	504.5	9999.0	0.0	9999.0	1.36	31	99.99	.86	20

MARCH 1985 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

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
ALVA	194	2	51.6	31	999.0	83.	27	14.	2	415.0	9999.0	0.0	9999.0	5.34	31	99.99	4.20	30
BILLINGS	755	2	52.2	30	999.0	80.	27	25.	5	386.0	9999.0	1.0	9999.0	2.72	31	.65	.94	21
BLACKWELL	818	2	51.5	31	999.0	79.	27	28.	5	420.0	9999.0	0.0	9999.0	1.59	31	99.99	.71	30
BRAMAN	1075	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.26	31	99.99	.96	4
CEDARDALE	1620	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.07	31	99.99	1.19	21
CHEROKEE POWER PLAN	1724	2	52.8	31	4.6	81.	27	26.	5	380.0	-153.0	1.0	-11.0	1.50	31	-.43	.77	20
ENID	2912	2	52.4	31	3.3	78.	27	27.	5	371.5	-115.5	1.0	-13.0	3.32	31	1.43	1.00	30
FORT SUPPLY DAM	3304	2	49.8	30	2.3	79.	27	21.	4	455.5	-102.5	0.0	-15.0	1.91	27	.65	1.17	21
FREEDOM	3358	2	52.8	31	999.0	82.	27	20.	5	379.5	9999.0	2.0	9999.0	1.13	31	99.99	.52	21
HARDY	3909	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.37	31	99.99	.83	29
HELENA	4019	2	50.0	30	999.0	78.	27	26.	5	450.5	9999.0	0.0	9999.0	1.68	31	-.24	.78	30
JEFFERSON	4573	2	52.0	31	3.9	80.	27	26.	14	402.0	-131.0	0.0	-9.0	1.72	31	-.21	.74	29
LAHOMA AGRIC	4950	2	49.9	30	999.0	77.	27	24.	31	453.0	9999.0	0.0	9999.0	2.35	31	99.99	.72	30
LAMONT	5013	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.92	31	99.99	.82	30
MEDFORD	5768	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.67	31	99.99	.72	29
MORRISON	6065	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.69	31	99.99	2.05	4
MUTUAL	6139	2	48.0	30	1.2	79.	28	22.	5	508.5	-65.5	0.0	-9.0	2.86	30	1.28	1.17	20
NEWKIRK	6278	2	52.5	31	5.0	79.	27	27.	5	389.0	-165.0	3.0	-8.0	1.88	31	-.10	.74	30
ORIENTA	6751	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.22	31	99.99	.90	20
PERRY	7012	2	54.1	31	4.2	82.	27	27.	5	350.5	-132.5	11.5	-3.5	2.70	31	.34	1.10	30
PONCA CITY	7201	2	53.3	31	6.8	82.	27	28.	5	370.5	-209.5	7.0	0.0	2.04	31	-.05	.69	30
RENFROW	7556	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.34	31	-.57	.65	30
WAYNOKA	9404	2	50.6	31	1.8	82.	27	23.	5	448.5	-69.5	1.0	-15.0	1.85	31	.22	1.12	20
WOODWARD	9760	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.66	31	.16	.64	20

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

MARCH 1985 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
AVANT	418	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.540	31	99.99	1.82	4
BARNSDALL	535	3	54.1	31	999.0	83.	28	26.	5	355.0	9999.0	17.5	9999.0	6.023	31	2.91	2.48	30
BARTLESVILLE	548	3	54.7	31	5.9	82.	28	26.	5	339.0	-177.0	21.0	7.0	4.211	31	1.49	1.89	4
BIXBY	782	3	52.5	23	3.7	78.	10	28.	6	287.5	-226.5	0.0	-12.0	5.790	27	3.10	1.72	30
BURBANK	1256	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.570	31	99.99	1.20	30
CHELSEA	1717	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.341	31	99.99	1.63	30
CLAREMORE	1828	3	52.8	30	4.7	87.	28	27.	5	300.0	-154.0	15.5	5.5	4.664	31	1.50	1.36	30
CLEVELAND	1902	3	55.2	28	999.0	86.	1	26.	7	294.5	9999.0	20.0	9999.0	5.402	28	99.99	2.29	3
FORAKER	3250	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.755	31	1.37	1.14	4
HOLLOW	4258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.803	31	2.66	2.49	30
HOMINY	4289	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.410	31	2.59	2.12	4
HULAH DAM	4393	3	51.0	16	4.3	85.	27	23.	5	236.0	-341.0	12.5	2.5	3.390	27	.75	1.23	21
JAY TOWER	4567	3	54.4	31	999.0	84.	28	27.	5	340.0	9999.0	11.0	9999.0	7.610	31	99.99	2.25	30
KANSAS	4672	3	54.5	27	999.0	82.	27	26.	5	304.0	9999.0	19.5	9999.0	6.653	28	99.99	2.76	29
KEYSTONE DAM	4812	3	53.3	17	999.0	84.	28	24.	5	212.5	9999.0	13.5	9999.0	5.150	29	99.99	1.65	30
LENAPAH	5118	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.972	24	99.99	1.57	30
MANNFORD	5522	3	54.7	30	999.0	86.	29	26.	5	323.0	9999.0	12.5	9999.0	5.260	30	99.99	1.82	30
MARAMEC	5540	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.141	31	2.69	2.15	4
MIAMI	5855	3	50.5	26	2.3	85.	27	27.	31	384.5	-146.5	7.5	-2.5	6.742	29	3.30	2.30	29
NOWATA	6483	3	53.8	30	999.0	84.	28	28.	5	353.5	9999.0	16.5	9999.0	4.541	30	99.99	1.95	30
ONETA	6713	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.660	31	99.99	1.90	30
PAWHUSKA	6937	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.111	31	99.99	1.60	4
PAWNEE	6940	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.841	31	3.36	1.90	4
PRYOR	7309	3	52.5	29	4.0	85.	28	27.	5	376.5	-150.5	15.0	0.0	5.014	31	1.90	2.00	30
QUAPAW	7358	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.021	31	2.70	2.03	30
RALSTON	7390	3	53.8	31	999.0	82.	27	26.	5	357.5	9999.0	11.5	9999.0	4.182	31	1.66	1.65	4
RAMONA	7394	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.010	31	99.99	2.03	30
SKIATOOK	8258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.800	31	1.97	1.60	30
SPAVINAW	8380	3	54.9	31	999.0	85.	28	24.	5	334.0	9999.0	19.5	9999.0	5.454	31	2.32	2.42	30
SPAVINAW LAKE AG	8382	3	54.9	29	999.0	85.	29	24.	6	311.0	9999.0	19.5	9999.0	5.414	30	99.99	2.47	30
TULSA	8992	3	54.9	31	5.6	82.	28	31.	6	335.0	-165.0	22.5	8.5	4.033	31	.89	1.74	30
UPPER SPAVINAW	9101	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.223	31	99.99	3.79	30
VINITA	9203	3	53.8	31	5.7	83.	28	27.	5	360.5	-173.5	14.5	4.5	5.570	31	2.03	2.24	30
WAGONER	9247	3	55.7	31	5.2	86.	28	30.	5	314.0	-152.0	25.5	9.5	6.930	31	3.54	2.45	30
WANN	9298	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.200	31	99.99	1.52	4
WYNONA	9792	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.414	31	99.99	1.60	4

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

MARCH 1985 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	49.8	30	.7	76.	27	26.	5	455.0	-53.0	0.0	-15.0	3.960	29	2.29	1.14	20
CHEYENNE	1738	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.853	31	99.99	1.60	20
CLINTON	1909	4	53.6	31	4.1	83.	28	28.	4	365.5	-127.5	11.0	-2.0	1.444	31	-.26	.40	20
COLONY	2039	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.028	31	99.99	.92	29
CORDELL	2125	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.002	31	1.37	1.20	20
ELK CITY	2849	4	50.8	31	999.0	82.	10	22.	4	442.5	9999.0	1.5	9999.0	3.157	31	1.64	1.62	20
ERICK	2944	4	51.9	31	2.4	80.	28	26.	5	407.0	-84.0	2.0	-9.0	2.460	31	1.05	1.45	20
GEARY	3497	4	51.5	31	2.2	79.	29	28.	31	417.5	-81.5	0.0	-12.0	3.150	31	1.41	1.50	20
HAMMON	3871	4	48.7	30	-.3	80.	28	22.	16	491.0	-24.0	.5	-15.5	3.481	31	1.92	1.80	20
LEEDEY	5090	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.051	31	1.71	1.90	20
MORAVIA	6035	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.600	31	1.07	1.45	20
OKEENE	6629	4	52.7	31	2.8	79.	28	26.	5	381.0	-101.0	1.0	-13.0	2.920	31	1.10	1.17	20
RETROP	7565	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.640	31	99.99	1.44	20
REYDON	7579	4	51.6	31	999.0	82.	28	19.	5	422.0	9999.0	8.0	9999.0	3.620	31	2.22	1.48	20
SAYRE	7952	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.150	31	.87	1.24	20
SWEETWATER	8652	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.940	31	99.99	1.17	20
TALOGA	8708	4	51.4	31	3.1	74.	1	22.	5	423.0	-105.0	0.0	-10.0	2.972	31	1.35	1.26	20
THOMAS	8815	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.740	31	99.99	2.02	20
WATONGA	9364	4	51.6	31	999.0	77.	27	27.	5	415.0	9999.0	.5	9999.0	4.054	31	2.27	1.48	20
WEATHERFORD	9422	4	51.3	29	1.4	83.	28	25.	4	402.5	-79.5	6.0	-8.0	2.605	31	1.01	1.45	20

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

MARCH 1985 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	6.800	31	99.99	2.20	20
ARCADIA	288	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.131	31	99.99	1.70	20
TINKER AFB	325	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.222	31	99.99	1.65	20
BLANCHARD	830	5	56.8	12	999.0	82.	28	31.	31	109.5	9999.0	11.5	9999.0	5.270	12	99.99	3.43	20
BRISTOW	1144	5	54.8	27	4.3	87.	28	24.	5	294.5	-171.5	20.0	3.0	4.110	28	1.56	1.10	29
CHANDLER	1684	5	53.1	27	2.4	75.	25	29.	5	327.0	-134.0	5.0	-12.0	6.505	31	4.22	1.65	4
CHICKASHA RES. STA.	1750	5	53.5	31	1.9	81.	28	29.	5	366.5	-68.5	11.5	-7.5	7.690	31	5.75	2.77	20
COX CITY	2196	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.560	31	99.99	3.80	19
CUSHING	2318	5	52.8	30	4.4	83.	28	30.	5	379.5	-152.5	12.5	-4.5	6.661	31	4.19	1.52	4
CRESCENT	2242	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.851	31	99.99	1.53	4
EL RENO	2818	5	51.2	31	1.7	84.	28	14.	20	437.5	-55.5	9.5	-3.5	5.680	31	3.83	2.00	20
GUTHRIE	3821	5	54.6	31	4.8	80.	28	29.	5	333.5	-150.5	12.0	-1.0	6.612	31	4.60	2.65	4
HENNESSEY	4055	5	51.9	31	3.0	78.	27	28.	5	407.0	-105.0	1.0	-12.0	3.322	31	1.46	1.14	20
INGALLS	4489	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.771	31	99.99	2.45	4
KINGFISHER	4861	5	52.8	31	3.2	80.	28	29.	31	385.5	-104.5	8.0	-4.0	3.930	31	2.17	1.30	20
KINGFISHER CREEK	4862	5	52.7	30	999.0	80.	27	29.	31	376.5	9999.0	7.5	9999.0	3.930	31	99.99	1.30	20
UNCLE JOHNS CREEK	4864	5	52.7	30	999.0	80.	27	29.	31	376.5	9999.0	7.5	9999.0	3.110	31	99.99	1.30	20
KONAWA	4915	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.462	31	2.57	1.78	20
MARSHALL	5589	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.510	31	.52	1.22	20
MEEKER	5779	5	55.8	31	5.7	86.	28	30.	6	308.0	-167.0	22.5	9.5	4.820	31	2.39	1.82	19
MULHALL	6110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.401	31	99.99	2.02	4
NORMAN	6386	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.023	31	3.67	2.73	20
OILTON	6616	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.490	31	99.99	1.55	30
OKEMAH	6638	5	56.5	31	5.4	87.	28	32.	5	290.0	-160.0	26.0	7.0	6.510	31	3.81	2.35	30
OKLAHOMA CITY	6661	5	53.0	31	3.9	81.	28	24.	5	382.5	-123.5	12.0	-1.0	4.515	31	2.44	2.37	20
PERKINS	7003	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.320	31	3.91	2.05	4
PIEDMONT	7068	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.092	31	99.99	1.68	20
PRAGUE	7264	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.251	31	3.74	2.00	30
PURCELL	7327	5	55.8	31	5.4	84.	28	28.	5	305.0	-170.0	20.5	-2.5	8.062	31	5.69	2.78	20
SEMINOLE	8042	5	57.5	31	5.1	87.	28	29.	5	267.0	-144.0	34.0	13.0	6.251	31	3.67	2.07	30
SHAWNEE	8110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.141	31	3.63	1.93	20
STELLA	8479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.180	31	99.99	2.21	20
STILLWATER	8501	5	52.7	30	3.9	82.	27	27.	5	380.5	-134.5	12.5	.5	4.991	31	2.80	1.28	4
STROUD	8563	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.592	31	99.99	1.64	4
TECUMSEH	8751	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.200	31	99.99	1.78	20
TROUSDALE	8960	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.620	31	99.99	2.63	28
UNION CITY	9086	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.850	31	4.48	2.44	20
WELTY	9479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.642	31	99.99	2.15	30
WEWOKA	9575	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.425	31	3.71	2.14	30

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

MARCH 1985 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	DIV	MEAN TEMP	DEV NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	DEV NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ASHLAND	364	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.511	31	99.99	5.20	30
BEAVER MT	601	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.321	31	99.99	2.95	30
BEGGS	631	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.630	31	99.99	2.00	30
BOYNTON	1027	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.230	31	99.99	3.05	30
CALVIN	1391	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.455	31	5.08	2.89	30
CHECOTAH	1711	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.103	31	3.76	3.29	30
CLAYTON	1858	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.950	31	99.99	1.36	30
DEWAR	2485	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.811	31	4.69	2.81	30
DUSTIN	2690	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.100	31	99.99	2.90	30
EUFAULA	2993	6	57.5	31	999.0	86.	29	28.	5	262.0	9999.0	31.0	9999.0	8.602	31	4.63	3.56	30
HANNA	3884	6	57.6	31	999.0	89.	28	26.	5	260.0	9999.0	31.5	9999.0	9.286	31	5.60	3.32	30
HARTSHORNE	3946	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.232	31	99.99	4.02	30
HASKELL	3956	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.442	31	5.27	3.65	30
HOLDENVILLE	4235	6	56.0	31	4.3	86.	28	29.	5	295.5	-134.5	15.5	-2.5	7.240	31	4.26	1.89	30
LAKE EUFUALA	4975	6	55.7	30	999.0	88.	28	32.	5	303.5	9999.0	23.5	9999.0	8.480	31	99.99	3.45	30
LYONS	5437	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.260	31	1.32	3.25	30
MCALESTER	5664	6	57.0	31	5.7	86.	28	29.	5	289.0	-152.0	42.5	25.5	8.225	31	4.38	5.02	30
MCCURTAIN	5693	6	57.9	31	999.0	86.	28	27.	5	254.5	9999.0	35.5	9999.0	7.972	31	4.06	2.95	30
MUSKOGEE	6130	6	56.4	31	5.3	87.	28	28.	5	294.0	-154.0	27.0	10.0	6.440	31	3.20	1.88	30
OKMULGEE WATER WORK	6670	6	56.5	31	5.2	86.	28	31.	5	293.5	-154.5	28.5	5.5	8.260	31	5.23	1.50	29
OKTAHA	6678	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.610	31	99.99	3.39	30
QUINTON	7372	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.045	31	5.36	4.67	29
SALLISAW	7862	6	55.1	31	3.8	87.	28	26.	6	323.0	-119.0	16.5	-1.5	6.690	31	2.89	3.31	29
SCRAPER	7993	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.890	31	99.99	2.92	30
SCIPIO	7979	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.700	31	99.99	3.58	30
SHORT	8170	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.771	31	99.99	3.43	30
STILWELL	8506	6	54.4	31	999.0	83.	28	25.	5	347.0	9999.0	17.0	9999.0	5.935	31	2.23	2.74	30
TAHLEQUAH	8677	6	55.8	31	5.8	85.	28	23.	5	311.0	-169.0	26.5	11.5	7.053	31	3.41	2.12	30
WEBBERS FALLS	9445	6	52.8	26	3.6	82.	11	28.	5	320.0	-181.0	3.0	-8.0	7.041	31	3.45	3.27	30
WESTVILLE	9523	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.100	31	99.99	2.95	30
WETUMKA	9571	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.098	31	4.98	2.92	30

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

MARCH 1985 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ALTUS IR. RES STA.	179	7	55.1	31	2.6	84.	28	28.	4	318.0	-89.0	10.5	-8.5	3.883	31	2.60	1.50	20
ALTUS DAM	184	7	53.2	30	999.0	85.	28	30.	31	365.0	9999.0	9.5	9999.0	3.790	31	2.49	1.71	20
ANADARKO	224	7	53.2	30	2.1	82.	28	22.	5	364.5	-79.5	11.5	-1.5	4.491	31	2.63	1.26	20
ALTUS AFB	447	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.655	31	99.99	1.38	20
CARNEGIE	1504	7	54.1	31	3.3	81.	28	28.	31	351.5	-103.5	13.0	-1.0	6.040	31	4.39	3.17	4
CHATTANOOGA	1706	7	55.3	31	3.0	81.	27	29.	31	311.0	-101.0	10.5	-8.5	5.461	31	3.72	2.45	20
DUNCAN	2668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.981	31	99.99	2.34	20
FLETCHER	3191	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.050	31	99.99	2.14	20
FREDERICK	3353	7	54.8	30	1.0	85.	28	30.	31	322.5	-54.5	16.5	-12.5	5.640	31	3.94	1.52	4
GRANDFIELD	3709	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.790	31	3.02	2.25	20
HOBART	4204	7	53.1	31	3.8	82.	28	30.	31	375.0	-122.0	6.5	-3.5	3.442	31	2.17	1.37	20
HOLLIS	4249	7	55.0	25	2.7	85.	28	26.	31	258.0	-155.0	7.5	-12.5	3.730	27	2.68	2.42	20
FORT SILL	5068	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.283	31	99.99	1.82	20
LOCO	5247	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.311	31	99.99	1.31	20
LOOKEBA	5329	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.660	31	99.99	2.47	4
MANGUM RES. STA.	5509	7	55.1	31	3.2	87.	27	29.	30	320.0	-106.0	12.0	-8.0	3.080	31	1.90	1.41	20
ROOSEVELT	7727	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.970	31	1.65	1.13	20
SEDAN	8016	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.052	31	99.99	3.02	4
SNYDER	8299	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.104	31	2.67	1.54	20
VICI	9172	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.730	31	99.99	1.55	20
VINSON	9212	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.190	31	1.91	1.85	20
WALTERS	9278	7	57.2	31	4.1	85.	28	31.	31	270.0	-123.0	29.0	5.0	5.170	31	3.04	2.45	20
WICHITA MT. REF.	9629	7	53.8	30	2.9	83.	28	25.	5	352.0	-105.0	16.5	-3.5	7.540	31	5.65	2.00	27
WILLOW	9668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.272	31	99.99	1.66	20

MARCH 1985 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ADA	17	8	55.6	31	3.2	80.	28	30.	5	308.5	-104.5	16.5	-6.5	6.442	31	3.54	2.05	30
ALLEN	147	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.170	31	99.99	3.20	30
ARDMORE	292	8	58.6	31	3.5	87.	28	32.	31	234.0	-106.0	34.5	1.5	4.650	31	1.70	1.42	20
ATOKA DAM	394	8	57.0	30	999.0	86.	28	30.	5	264.5	9999.0	24.5	9999.0	6.692	31	99.99	2.68	30
BOKCHITO	917	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.421	31	99.99	1.73	20
CANEY	1437	8	58.0	30	999.0	84.	10	32.	5	229.5	9999.0	18.0	9999.0	6.170	31	99.99	1.75	20
CENTRAHOMA	1648	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.712	31	99.99	4.53	29
CHICKASAW-NRA	1745	8	55.6	30	999.0	89.	28	26.	5	312.0	9999.0	30.5	9999.0	8.040	31	99.99	4.20	30
COLEMAN	2011	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.610	31	99.99	2.85	30
COMANCHE	2054	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.303	31	99.99	2.47	20
DAISY	2354	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.432	31	3.59	1.92	21
DURANT	2678	8	57.9	30	999.0	86.	11	30.	5	245.5	9999.0	31.5	9999.0	5.501	31	2.23	1.72	20
FARRIS	3083	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.330	31	99.99	1.69	20
GRADY	3688	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.790	31	99.99	1.82	30
HEALDTON	4001	8	57.2	30	999.0	85.	28	28.	6	268.0	9999.0	34.0	9999.0	4.900	31	2.44	1.79	30
KINGSTON	4865	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.940	31	3.78	2.60	30
LEHIGH	5108	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.575	31	99.99	4.05	30
MADILL	5468	8	58.3	31	4.7	86.	28	29.	5	245.0	-133.0	37.0	12.0	8.362	31	5.35	4.22	30
MARIETTA	5563	8	58.8	31	5.0	87.	28	32.	31	230.0	-141.0	39.0	15.0	8.581	31	5.83	3.56	30
MARLOW	5581	8	56.0	31	999.0	82.	28	29.	31	298.5	9999.0	21.0	9999.0	6.730	31	4.73	3.85	20
OSWALT	6787	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.920	31	99.99	1.50	30
PAULS VALLEY	6926	8	57.3	31	4.7	86.	28	29.	5	274.0	-131.0	36.5	15.5	5.343	31	3.04	1.89	20
PONTOTOC	7214	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.620	31	4.33	2.10	30
TISHOMINGO	8884	8	56.2	21	999.0	84.	28	27.	5	207.5	9999.0	23.0	9999.0	8.880	27	5.71	5.07	30
WAURIKA	9395	8	58.4	31	4.2	85.	28	32.	31	252.5	-111.5	47.5	17.5	6.830	31	4.89	2.71	30

NOTE: 9999.0, 999.0, 99,99 indicate missing records. Trace = .001

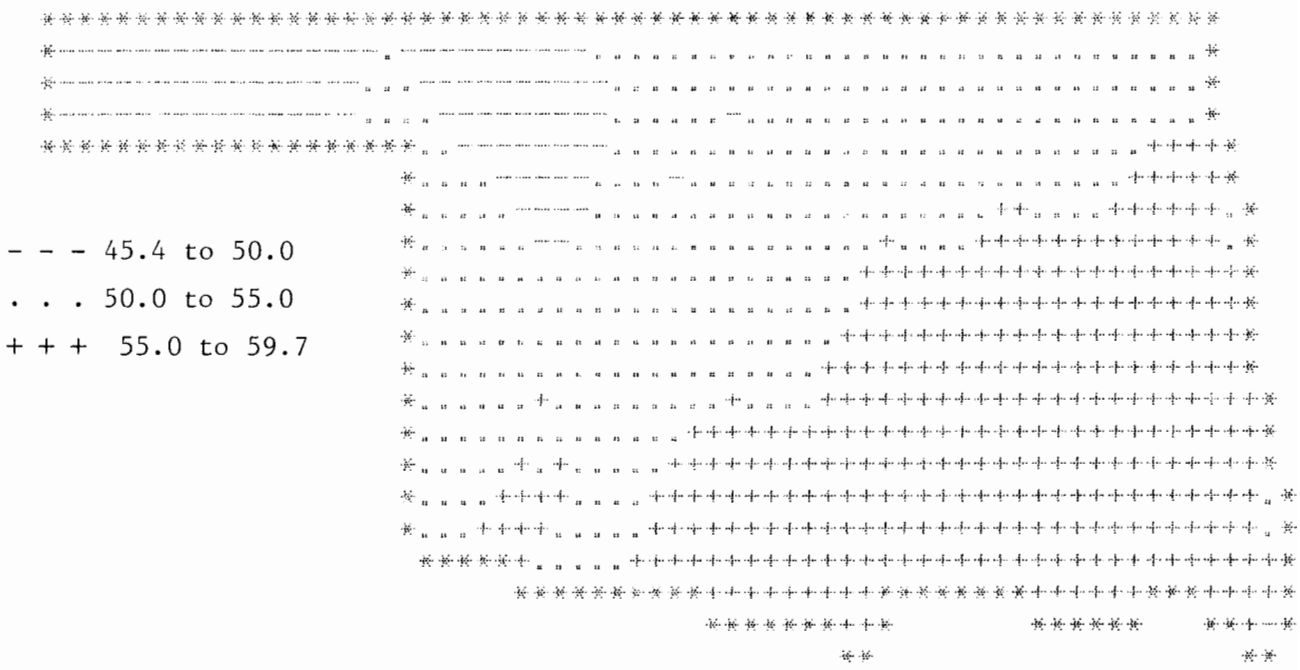
MARCH 1985 SUMMARY FOR SOUTHEAST DIVISION (CD9)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ANTLERS	256	9	59.0	31	6.2	85.	28	28.	5	220.0	-178.0	34.0	14.0	6.360	31	2.79	2.25	20
BEAR MT TOWER	584	9	58.9	31	999.0	81.	28	29.	5	216.5	9999.0	26.5	9999.0	5.872	31	1.43	1.32	13
BENGAL	670	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.361	31	99.99	1.25	30
BOSWELL	980	9	58.1	31	999.0	80.	28	32.	18	238.0	9999.0	23.0	9999.0	5.566	31	2.25	1.96	20
BROKEN BOW	1162	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.980	31	4.51	2.68	30
BROKEN BOW DAM	1168	9	57.4	28	999.0	84.	28	27.	6	229.5	9999.0	17.5	9999.0	8.990	31	99.99	2.90	30
CARNASAW TOWER	1449	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.700	31	99.99	3.26	30
CARTER TOWER	1544	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.790	31	1.22	1.75	20
FANSHAWE	3065	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.410	31	1.99	1.46	30
HEAVENER	4008	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.041	31	.89	1.20	4
HEE MT TOWER	4017	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.801	31	99.99	1.18	14
HUGO	4384	9	59.7	31	5.1	86.	11	30.	6	205.5	-141.5	41.0	17.0	5.960	31	2.16	1.85	20
IDABEL	4451	9	58.1	30	4.2	83.	28	22.	5	225.0	-139.0	18.5	-1.5	8.100	31	3.74	1.89	14
JADIE TOWER	4560	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.350	31	99.99	1.67	31
POTEAU	7246	9	58.7	31	6.2	86.	28	31.	5	231.5	-179.5	36.0	13.0	5.190	31	1.07	1.93	30
POTEAU WATER WORKS	7254	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.572	31	99.99	1.97	30
POTEAU	7246	9	58.7	31	6.2	86.	28	31.	5	231.5	-179.5	36.0	13.0	5.190	31	1.07	1.93	30
SMITHVILLE	8285	9	55.8	30	999.0	81.	27	25.	5	296.0	9999.0	20.5	9999.0	5.100	31	99.99	1.27	21
SOBAL TOWER	8305	9	56.0	31	999.0	77.	28	34.	31	296.0	9999.0	18.0	9999.0	4.744	31	.60	1.55	20
SPIRO	8416	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.140	31	4.00	2.89	30
TUSKAHOMA	9023	9	58.9	31	999.0	85.	28	26.	5	230.5	9999.0	42.0	9999.0	5.462	31	99.99	1.53	30
VALLIANT	9118	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.672	31	1.46	1.32	14
WILBURTON	9634	9	57.7	31	5.9	86.	29	26.	5	262.0	-165.0	36.0	18.0	6.884	31	2.80	2.30	30
WISTER DAM AG	9719	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.771	18	99.99	1.07	20
ZOE	9985	9	57.1	31	999.0	86.	28	23.	5	269.5	9999.0	26.0	9999.0	5.502	31	1.08	1.61	30

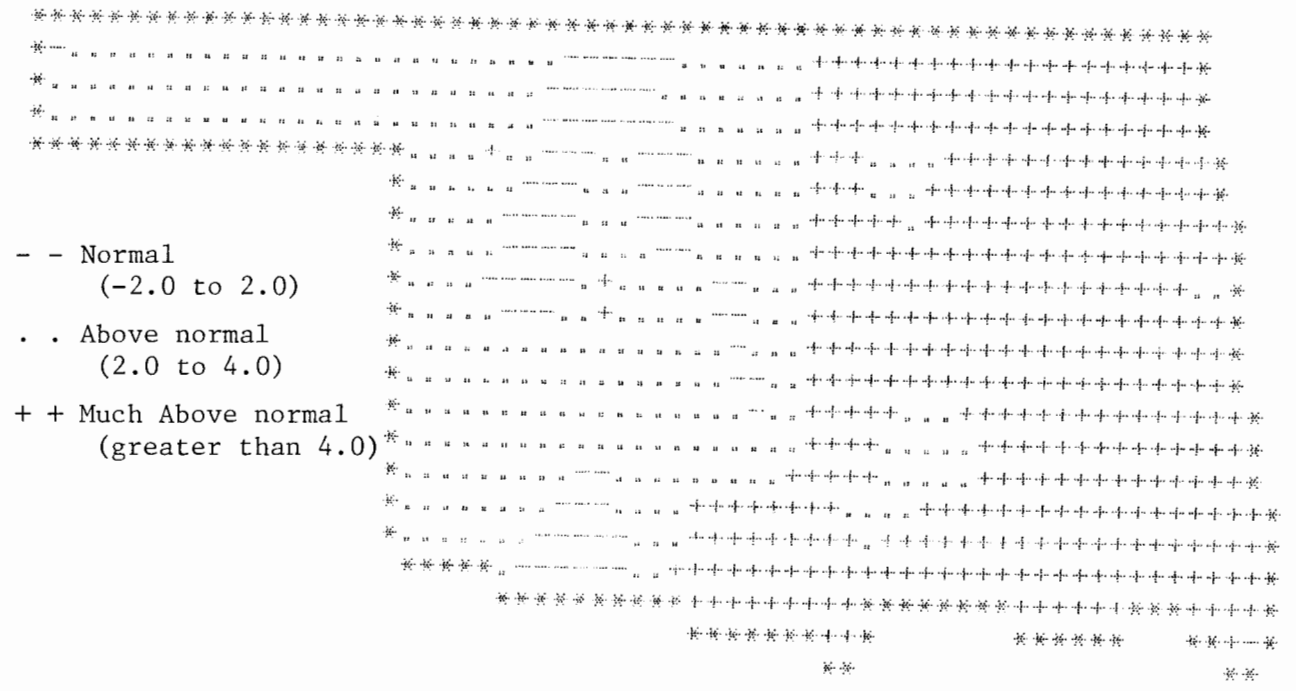
MARCH 1985 CLIMATE DIVISION SUMMARY

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	48.5	11	3.2	84.0	26	11.0	4	502.8	-112.6	1.2	-4.6	1.87	14	.74	1.46	20
2	51.6	15	3.5	83.0	27	14.0	2	413.3	-124.4	1.8	-10.2	2.33	24	.48	4.20	30
3	54.3	15	5.8	87.0	28	23.0	5	338.5	-183.6	17.4	5.1	5.17	35	2.22	3.79	30
4	51.4	11	2.1	83.0	28	19.0	5	420.2	-79.6	2.8	-10.4	2.89	20	1.32	2.02	20
5	53.8	16	3.8	87.0	28	14.0	20	351.1	-127.9	13.9	-2.0	5.74	38	3.43	3.80	19
6	56.4	11	5.5	89.0	28	23.0	5	293.9	-161.8	26.8	9.8	7.60	31	4.09	5.20	30
7	54.5	10	2.7	87.0	27	22.0	5	335.0	-93.1	13.6	-5.2	4.64	24	3.11	3.17	4
8	57.4	12	3.8	89.0	28	26.0	5	263.5	-115.0	30.9	4.9	6.72	25	3.87	5.07	30
9	58.0	13	5.0	86.0	28	22.0	5	242.4	-150.6	28.8	7.5	6.36	24	2.22	3.26	30

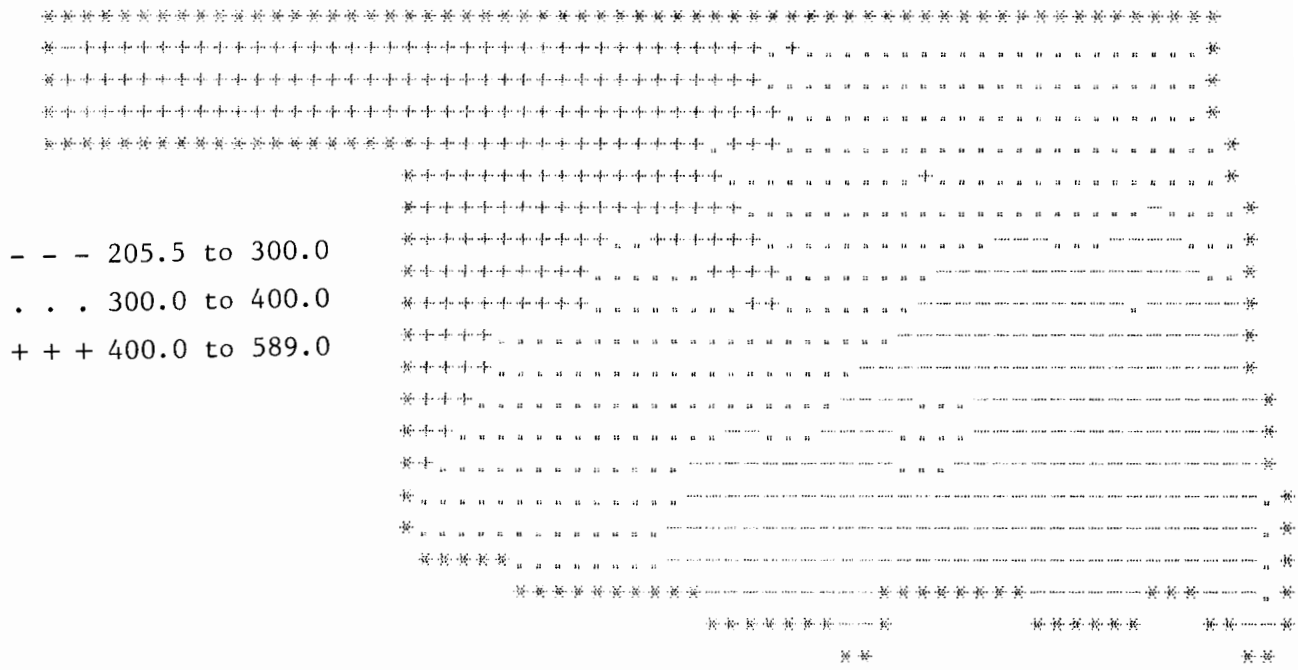
NOTE: 9999.0, 999.0, 99.99 indicate missing records.
Trace = .001



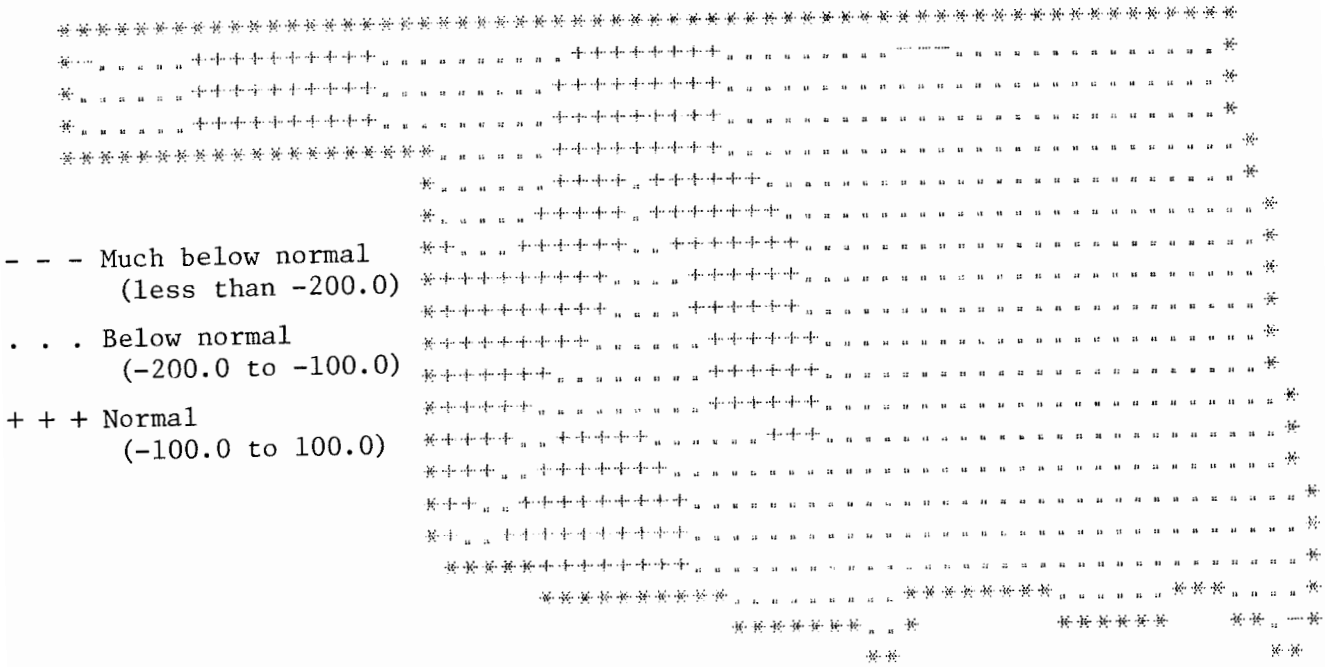
MARCH 1985 AVERAGE MONTHLY TEMPERATURE
(DEGREES F)



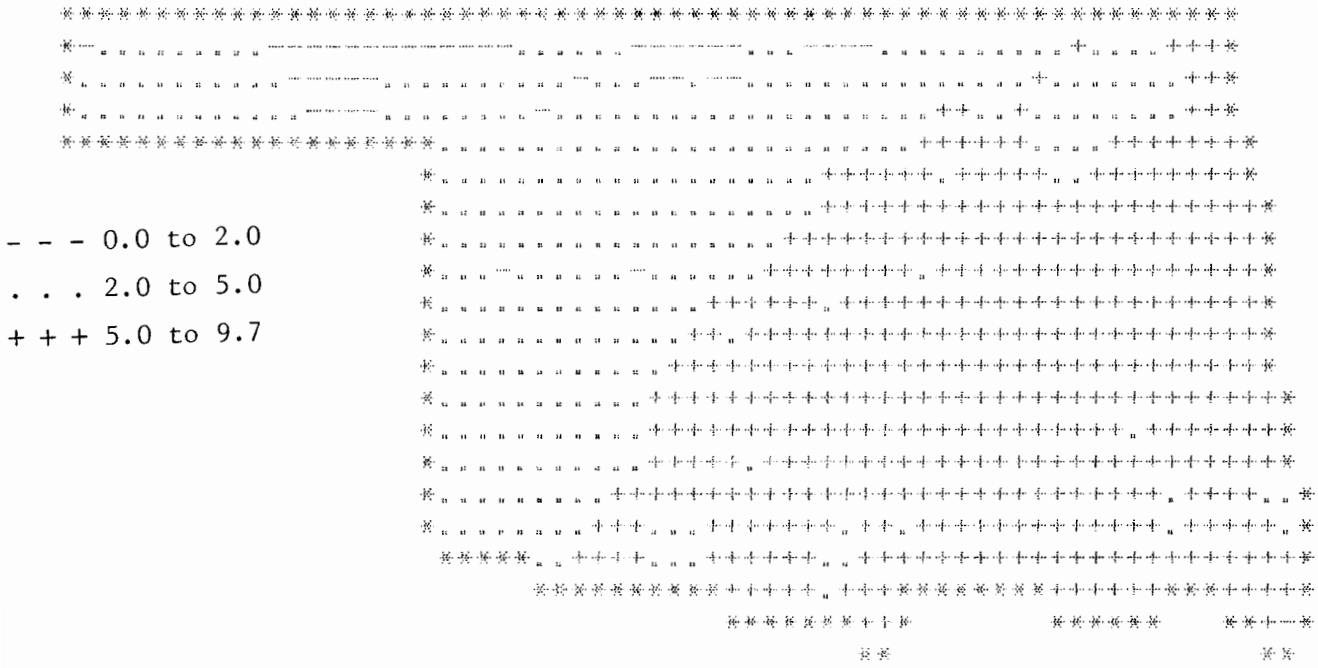
MARCH 1985 DEVIATION FROM NORMAL TEMPERATURE



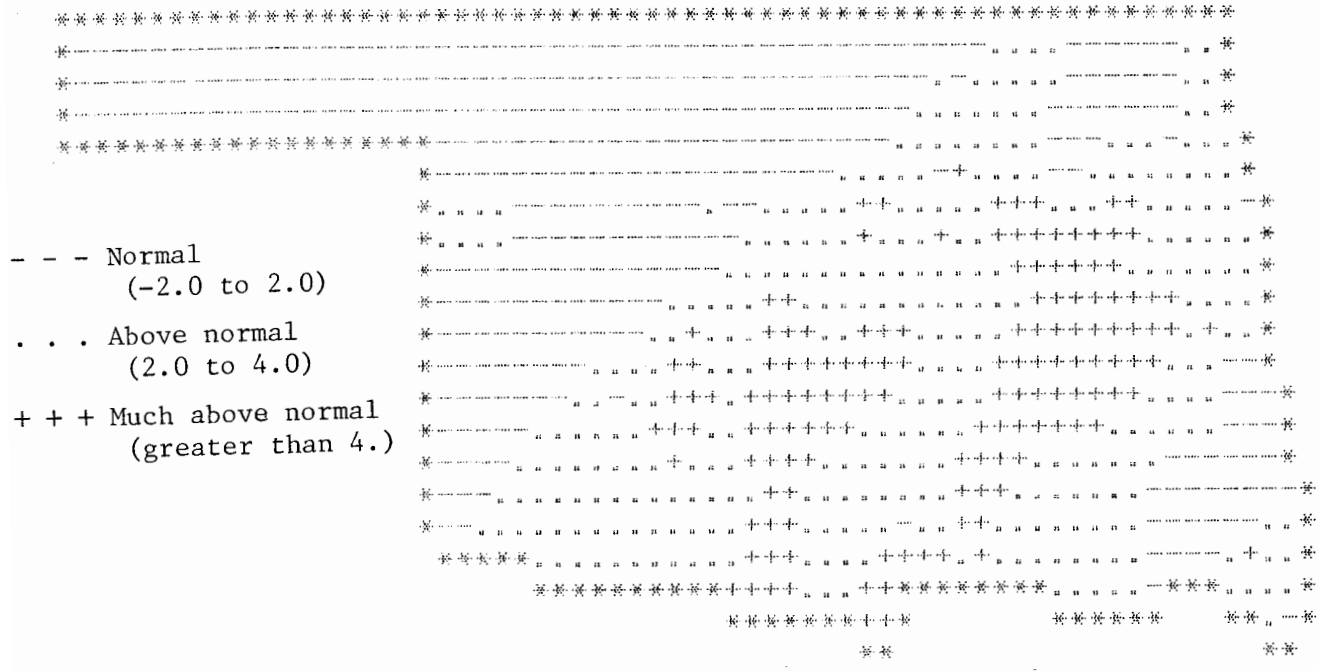
MARCH 1985 TOTAL HEATING DEGREE DAYS



MARCH 1985 DEVIATTON FROM NORMAL HEATING DEGREE DAYS



MARCH 1985 TOTAL PRECIPITATION
(INCHES)



MARCH 1985 DEVIATION FROM NORMAL PRECIPITATION

TORNADO STRIKE PROBABILITIES

By

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Recently the Oklahoma Climatological Survey received a request to determine the annual point probability of an Oklahoma tornado strike (the probability that a point within the State will be struck by a tornado). To begin answering this request the Survey obtained documentation from the National Severe Storms Forecast Center (NSSFC) of all reported Oklahoma tornadoes for the period 1951-1980. This documentation included data for tornado track (path) length and width, time of tornado, shape of tornado, tornado inflicted deaths and injuries, and tornado intensity. For this research the most useful of these data were the tornado path length and width values which were used in the first step, categorizing the tornadoes. The categories and resulting frequency distribution are shown in the table below.

		Data Width (feet)			
		≤ 250	260-750	760-1500	> 1500
Data Length (miles)	.1 - 1	.19	.10	.02	.01
	1.1 - 5	.12	.13	.05	.02
	5.1 - 10	.02	.06	.04	.02
	> 10	.04	.08	.07	.03

Armed with this information, the average tornado path area was calculated by multiplying the frequencies by the mean value of their corresponding lengths and widths. By multiplying this average path area by the number of tornadoes in the 30 year period, the total area experiencing tornadoes resulted. This result was divided by 30 years to yield the average area of tornado paths per year in Oklahoma. Finally, dividing this average area by the area of Oklahoma gave the percentage of the land area experiencing a tornado in a year. The result was .007%. This means that the chances of a tornado striking any point in Oklahoma are about 7 in 10,000! A recent unpublished study conducted by the U.S. Department of Commerce produced similar results. Keep in mind, however, that this value is an average for the entire State. The probability will certainly be higher in areas of the State where tornadoes are more frequent and/or bigger than the State average. Also, due to the vast areas of Oklahoma with sparse population, it is likely that some tornadoes go unreported. In this case the above value would again underestimate the actual probability.

MAY, 1985
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
71.9	max	
51.5	min	
.108	pcpn	
4	HDD	
1	CDD	
Highest Max		93-1948
Lowest Max		53-1966
Lowest Min		39-1963
Highest Min		65-1959
Greatest pcpn		1.63-1954

Normal	2	Actual
73.3	max	
51.5	min	
.156	pcpn	
4	HDD	
2	CDD	
Highest Max		94-1943
Lowest Max		52-1954
Lowest Min		39-1961
Highest Min		69-1959
Greatest pcpn		1.53-1975

Normal	3	Actual
74.7	max	
53.0	min	
.125	pcpn	
4	HDD	
3	CDD	
Highest Max		92-1940
Lowest Max		49-1978
Lowest Min		32-1954
Highest Min		70-1949
Greatest pcpn		2.48-1979

Normal	4	Actual
76.1	max	
53.8	min	
.125	pcpn	
3	HDD	
3	CDD	
Highest Max		90-1943
Lowest Max		44-1935
Lowest Min		36-1954
Highest Min		70-1949
Greatest pcpn		1.71-1941

Normal	5	Actual
76.0	max	
56.7	min	
.150	pcpn	
2	HDD	
4	CDD	
Highest Max		94-1940
Lowest Max		50-1935
Lowest Min		40-1935
Highest Min		69-1940
Greatest pcpn		1.58-1967

Normal	6	Actual
77.5	max	
55.3	min	
.128	pcpn	
2	HDD	
4	CDD	
Highest Max		94-1954
Lowest Max		61-1960
Lowest Min		37-1944
Highest Min		69-1936
Greatest pcpn		2.61-1930

Normal	7	Actual
77.6	max	
55.0	min	
.059	pcpn	
2	HDD	
4	CDD	
Highest Max		88-1934
Lowest Max		58-1972
Lowest Min		42-1938
Highest Min		71-1927
Greatest pcpn		1.60-1968

Normal	8	Actual
78.5	max	
55.2	min	
.135	pcpn	
2	HDD	
4	CDD	
Highest Max		91-1933
Lowest Max		50-1943
Lowest Min		38-1938
Highest Min		70-1927
Greatest pcpn		3.09-1959

Normal	9	Actual
77.9	max	
57.2	min	
.169	pcpn	
2	HDD	
4	CDD	
Highest Max		90-1927
Lowest Max		55-1943
Lowest Min		44-1969
Highest Min		70-1963
Greatest pcpn		3.37-1943

Normal	10	Actual
74.8	max	
57.2	min	
.316	pcpn	
2	HDD	
4	CDD	
Highest Max		96-1967
Lowest Max		53-1954
Lowest Min		42-1946
Highest Min		71-1963
Greatest pcpn		1.43-1934

Normal	11	Actual
75.6	max	
55.7	min	
.098	pcpn	
3	HDD	
4	CDD	
Highest Max		93-1963
Lowest Max		54-1954
Lowest Min		37-1981
Highest Min		70-1933
Greatest pcpn		4.30-1929

Normal	12	Actual
75.2	max	
55.1	min	
.108	pcpn	
2	HDD	
3	CDD	
Highest Max		89-1942
Lowest Max		60-1966
Lowest Min		39-1979
Highest Min		72-1956
Greatest pcpn		3.11-1967

Normal	13	Actual
76.2	max	
55.4	min	
.152	pcpn	
3	HDD	
4	CDD	
Highest Max		95-1984
Lowest Max		49-1953
Lowest Min		39-1971
Highest Min		68-1974
Greatest pcpn		2.58-1983

Normal	14	Actual
78.0	max	
55.3	min	
.108	pcpn	
2	HDD	
4	CDD	
Highest Max		92-1952
Lowest Max		55-1934
Lowest Min		41-1953
Highest Min		68-1974
Greatest pcpn		1.13-1949

Normal	15	Actual
78.8	max	
57.0	min	
.059	pcpn	
1	HDD	
4	CDD	
Highest Max		90-1931
Lowest Max		47-1945
Lowest Min		39-1942
Highest Min		70-1948
Greatest pcpn		2.73-1980

Normal	16	Actual
81.4	max	
58.5	min	
.142	pcpn	
0	HDD	
6	CDD	
Highest Max		92-1966
Lowest Max		56-1945
Lowest Min		41-1945
Highest Min		75-1974
Greatest pcpn		1.56-1943

Normal	17	Actual
79.4	max	
58.8	min	
.299	pcpn	
1	HDD	
5	CDD	
Highest Max		96-1966
Lowest Max		63-1935
Lowest Min		39-1945
Highest Min		74-1974
Greatest pcpn		3.17-1951

Normal	18	Actual
80.5	max	
58.8	min	
.116	pcpn	
1	HDD	
6	CDD	
Highest Max		95-1956
Lowest Max		65-1957
Lowest Min		45-1976
Highest Min		72-1938
Greatest pcpn		1.05-1951

Normal	19	Actual
81.0	max	
58.6	min	
.275	pcpn	
1	HDD	
6	CDD	
Highest Max		96-1973
Lowest Max		66-1955
Lowest Min		46-1971
Highest Min		71-1933
Greatest pcpn		3.35-1955

Normal	20	Actual
79.8	max	
59.1	min	
.335	pcpn	
1	HDD	
6	CDD	
Highest Max		93-1956
Lowest Max		63-1942
Lowest Min		43-1981
Highest Min		73-1933
Greatest pcpn		2.74-1979

Normal	21	Actual
81.9	max	
60.4	min	
.142	pcpn	
1	HDD	
7	CDD	
Highest Max		95-1953
Lowest Max		56-1968
Lowest Min		47-1942
Highest Min		73-1953
Greatest pcpn		1.21-1940

Normal	22	Actual
81.8	max	
60.9	min	
.208	pcpn	
1	HDD	
7	CDD	
Highest Max		98-1939
Lowest Max		58-1963
Lowest Min		42-1931
Highest Min		74-1953
Greatest pcpn		2.62-1975

Normal	23	Actual
80.4	max	
60.5	min	
.190	pcpn	
1	HDD	
6	CDD	
Highest Max		99-1939
Lowest Max		60-1935
Lowest Min		48-1963
Highest Min		72-1953
Greatest pcpn		3.09-1952

Normal	24	Actual
79.9	max	
61.0	min	
.123	pcpn	
0	HDD	
6	CDD	
Highest Max		94-1939
Lowest Max		63-1947
Lowest Min		42-1935
Highest Min		72-1939
Greatest pcpn		1.90-1957

Normal	25	Actual
82.0	max	
61.6	min	
.168	pcpn	
0	HDD	
7	CDD	
Highest Max		93-1962
Lowest Max		69-1976
Lowest Min		47-1947
Highest Min		72-1937
Greatest pcpn		1.49-1968

Normal	26	Actual
81.9	max	
60.1	min	
.352	pcpn	
1	HDD	
7	CDD	
Highest Max		95-1953
Lowest Max		57-1950
Lowest Min		49-1968
Highest Min		71-1953
Greatest pcpn		2.00-1959

Normal	27	Actual
81.4	max	
59.1	min	
.222	pcpn	
1	HDD	
6	CDD	
Highest Max		96-1927
Lowest Max		64-1976
Lowest Min		43-1961
Highest Min		76-1927
Greatest pcpn		2.89-1978

Normal	28	Actual
81.4	max	
60.9	min	
.192	pcpn	
0	HDD	
6	CDD	
Highest Max		91-1926
Lowest Max		62-1932
Lowest Min		43-1947
Highest Min		71-1942
Greatest pcpn		2.18-1932

Normal	29	Actual
83.1	max	
60.9	min	
.328	pcpn	
0	HDD	
8	CDD	
Highest Max		94-1926
Lowest Max		62-1947
Lowest Min		39-1947
Highest Min		73-1974
Greatest pcpn		5.63-1970

Normal	30	Actual
83.3	max	
62.6	min	
.194	pcpn	
0	HDD	
8	CDD	
Highest Max		97-1934
Lowest Max		66-1975
Lowest Min		45-1947
Highest Min		74-1974
Greatest pcpn		2.30-1929

Normal	31	Actual
82.2	max	
62.8	min	
.235	pcpn	
0	HDD	
8	CDD	
Highest Max		98-1928
Lowest Max		69-1964
Lowest Min		48-1975
Highest Min		74-1949
Greatest pcpn		1.64-1968