

OKLAHOMA MONTHLY SUMMARY MARCH 1996

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MONTHLY SUMMARY FOR MARCH 1996

Relief in the form of precipitation finally arrived for most Oklahomans during March, but many north central and western areas remained dry at month's end. Monthly precipitation was below normal in most areas for the fifth time in the last six months. The statewide average precipitation total for the month was 1.89 inches, 1.01 inches less than normal, making this the 38th driest March since 1892. The state total precipitation through the first three months of 1996, 2.89 inches, was 2.92 inches less than normal, ranking this as 13th driest first quarter. Since October of 1995, the state's total precipitation of 6.40 inches (6.56 inches less than normal) ranks as the 5th lowest October through March total ever recorded.

Several episodes of very cold air contributed to making this the 15th coldest March on record for the state. The average temperature during the month, 45.7 degrees, was a full five degrees less than normal. The year-to-date temperature average of 41.9 degrees, one degree less than normal, ranks this as the 33rd lowest January through March in 105 years.

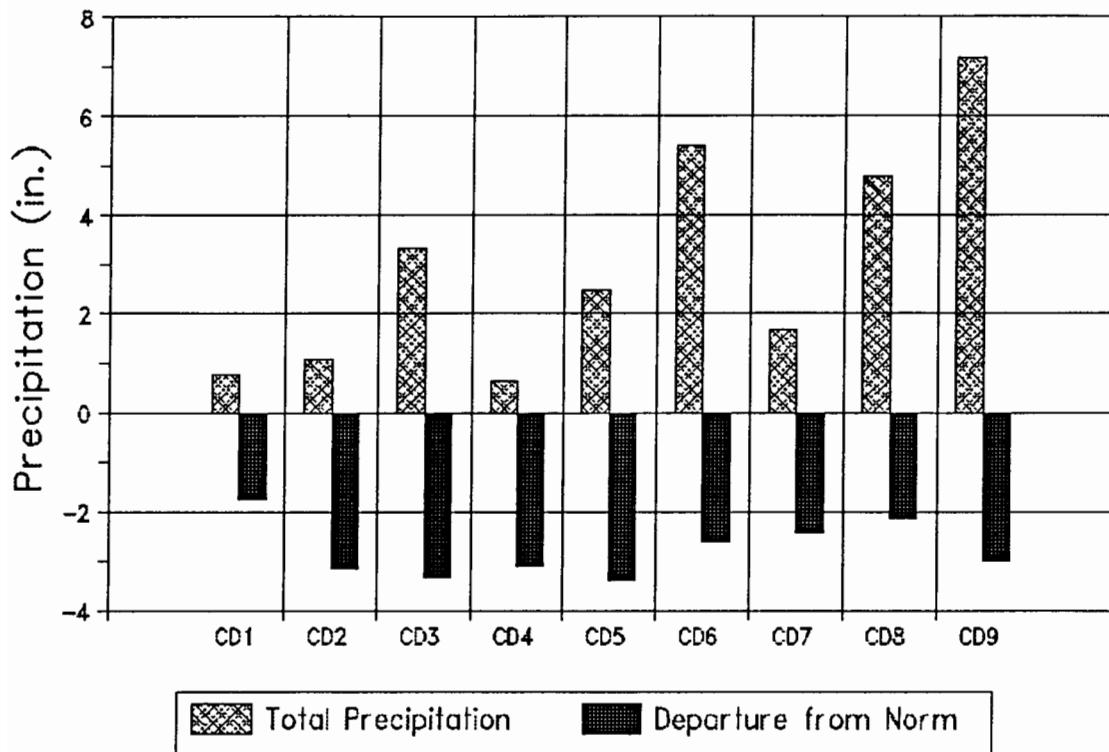
Winter weather that prevailed over most of the state at the beginning of the month was reenforced by a cold front that moved through the state on the 6th and 7th. Winds associated with the approaching storm system fanned a series of grass fires near Drumright and Shamrock in western Creek County. Precipitation occurring with the system was generally slight, although Kenton (Cimarron County) reported a two-inch accumulation of snow. Temperatures plunged to sub-zero readings in the far northwest on the 7th. Kenton reported a low of -4 degrees with Buffalo (Harper), Turpin (Beaver) and Goodwell (Texas) each also weighing in with negative temperatures. Single digit low temperatures were prevalent in northern Oklahoma through the 11th.

Warm air dominated the south from the 12th through the 17th with afternoon temperatures reaching the upper 80s at many locations. Mangum (Greer) reported a high of 89 degrees on the 13th and Marietta (Love) matched that on the 14th. Thunderstorms erupted in north central and northeastern Oklahoma on the 14th, producing baseball sized hail near Glenpool (Tulsa) but rainfall amounts were generally one inch or less. Tornadoes were reported near Kellyville (Tulsa) and Haskell (Wagoner). Scattered thunderstorms brought welcome rain, although not in great quantity, to many areas of southern, central and eastern Oklahoma through the 18th when a cold front moved through the state. Overnight low temperatures dropped into the teens in many areas as cold air moved in behind the front.

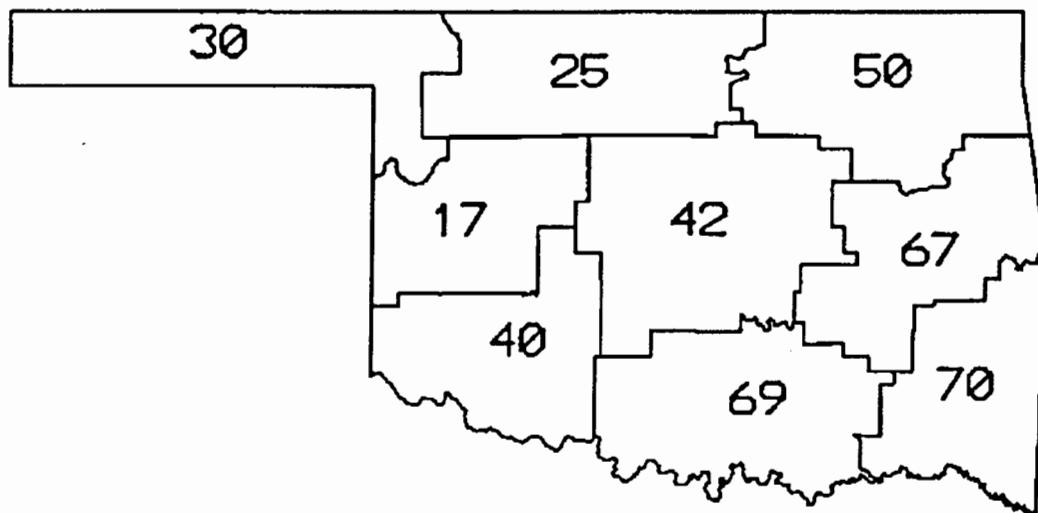
Strong thunderstorms developed in southwestern Oklahoma on the 23rd, providing welcome rain and unwelcome hail to all but the extreme west central and northwestern sections of the state. A tornado was reported west of Lone Grove (Carter) and hail as large as golf balls fell in many areas. Substantial rains fell in the south and east over the next few days, including 2.60 inches at Konawa (Seminole), reported on the 28th, and 3.85 inches over four days at Tishomingo (Johnston) from the 24th through the 27th. The same system brought another round of winter weather to Oklahoma, as Regnier (Cimarron) reported an inch of snow on the 24th, and Fort Sill (Comanche) reported sleet on the 26th and 27th. Low temperatures were in the teens or lower in many places from the 24th through the 28th, including 8 degrees at Boise City (Cimarron) on the 25th and 7 degrees at Freedom (Woods) on the 26th.

Howard L. Johnson

CD Averaged Precipitation
January through March 1996

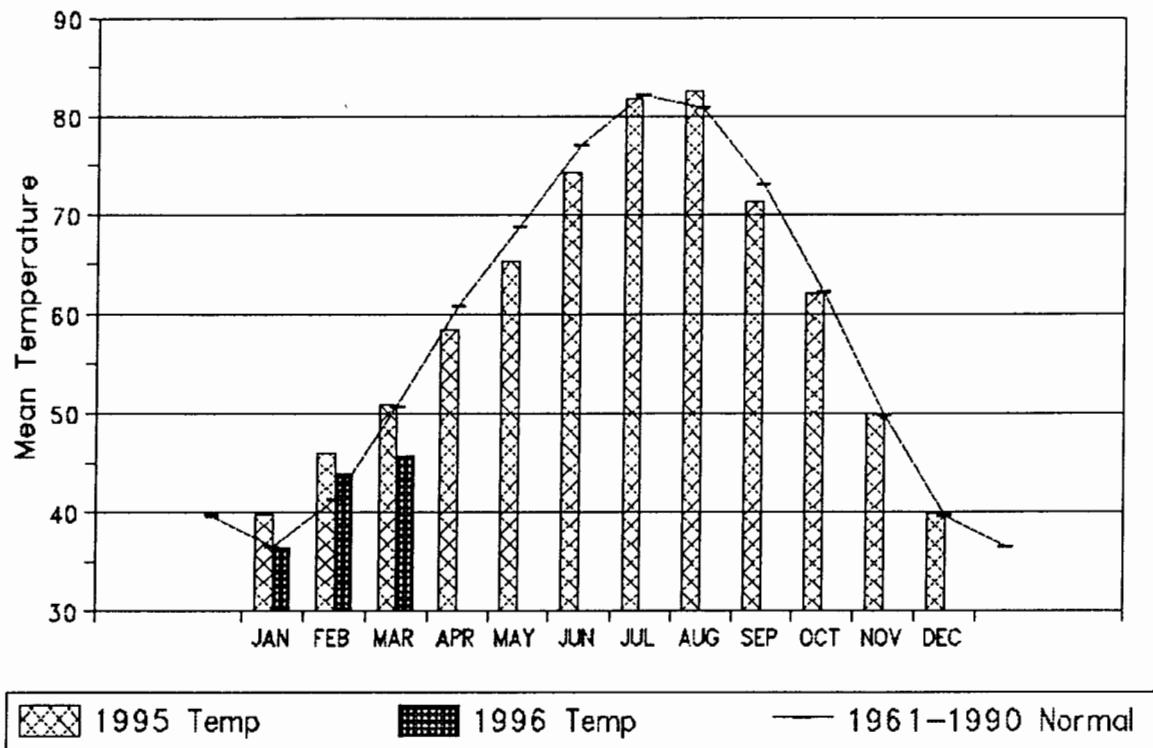


CD PERCENT OF NORMAL PRECIPITATION

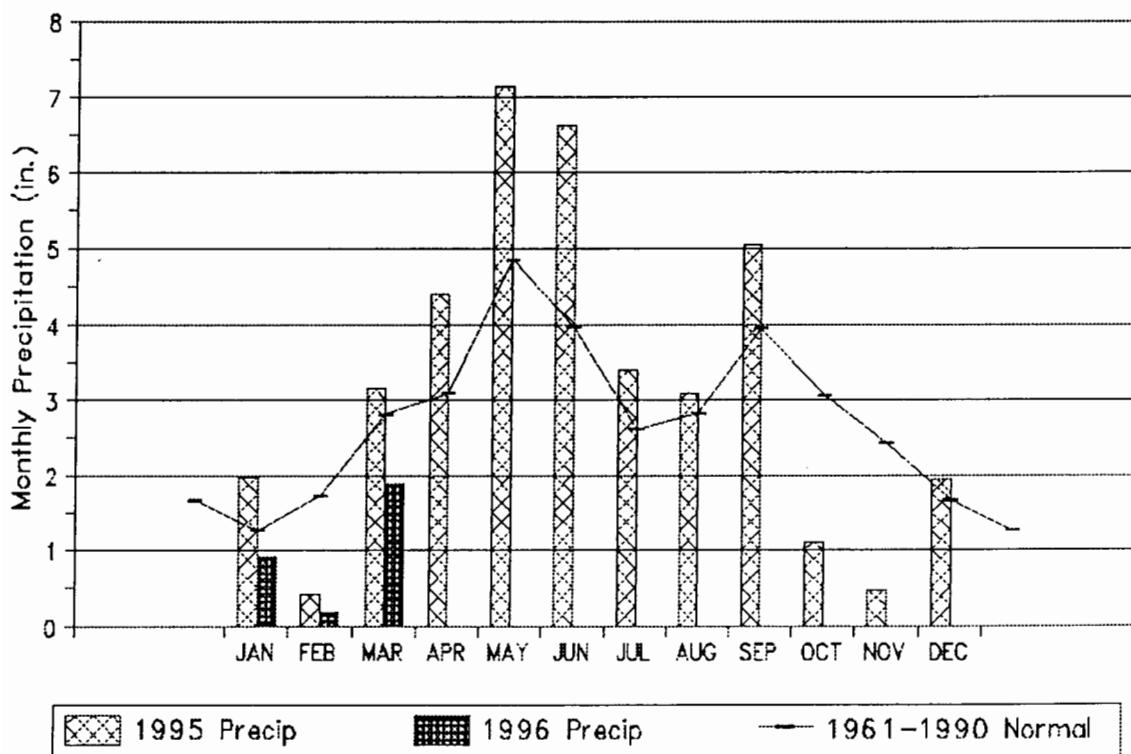


JANUARY THROUGH MARCH 1996

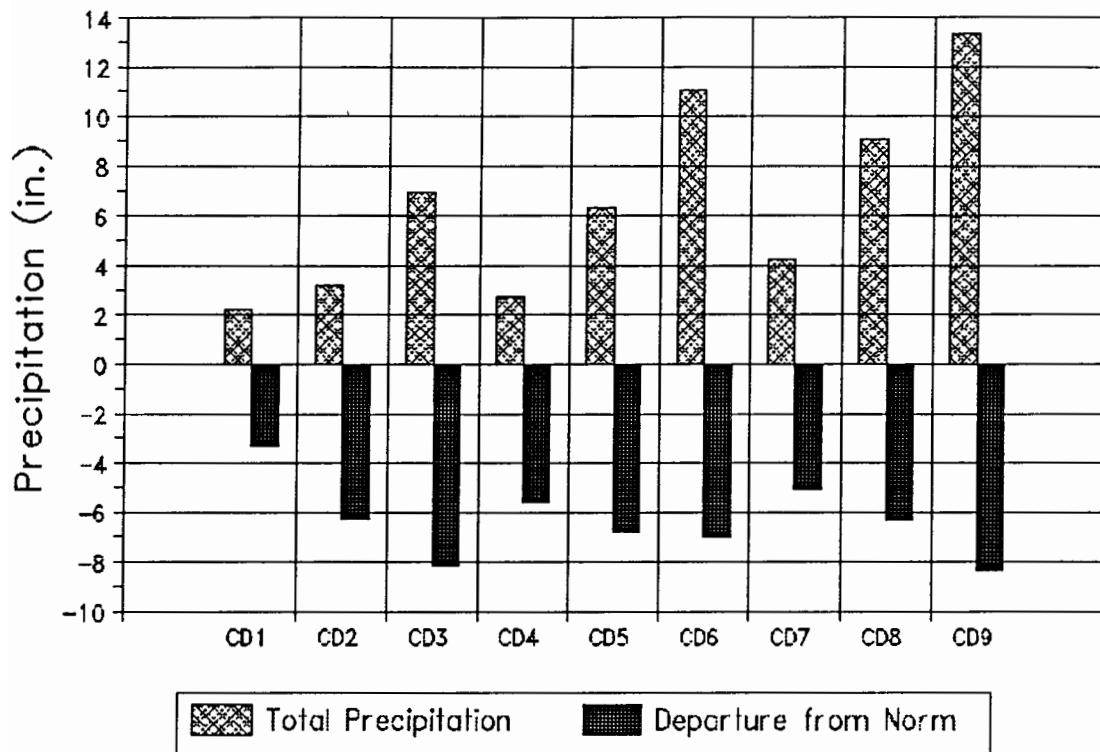
1995 and 1996 STATEWIDE TEMPERATURES Monthly Averages



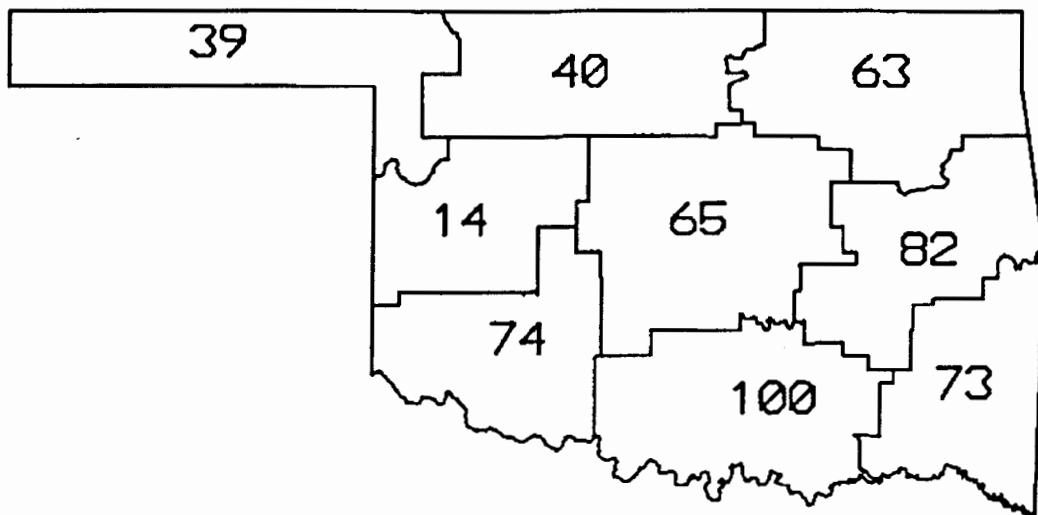
1995 and 1996 STATEWIDE PRECIPITATION Monthly Totals



CD Averaged Precipitation
October through March 1996



CD PERCENT OF NORMAL PRECIPITATION



MARCH 1996

EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION
MARCH 1996

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	85	23	BUFFALO	-4	7	KENTON	.91	31	FARGO	1.29	GATE
2	83	14	HELENA	1	7	FT SUPPLY DA	1.00	14	LAMONT	1.79	LAMONT
3	82	13	CLEVELAND	0	11	HULAH DAM	1.65	28	UPPER SPAVIN	4.02	JAY TOWER
	82	14	HULAH DAM								
	82	13	MANNFORD								
	82	13	RALSTON								
	82	24	RALSTON								
4	85	12	ERICK	6	7	REYDON	.40	17	OKEENE	1.00	OKEENE
				6	7	TALOGA					
5	84	13	BLANCHARD	3	8	BRISTOW	2.60	28	KONAWA	3.11	KONAWA
	84	14	BLANCHARD								
	84	14	MEEKER								
	84	14	NORMAN								
	84	13	OKLAHOMA CTY								
6	84	5	MCALESTER	3	9	OKMULGEE	2.38	28	MCCURTAIN	4.17	CLAYTON
				3	10	OKMULGEE					
				3	9	STILWELL					
7	89	13	MANGUM	10	7	ALTUS DAM	1.18	27	FORT SILL	2.88	DUNCAN
8	89	14	MARIETTA	8	9	CHICKASAW	2.03	27	ARDMORE	4.63	TISHOMINGO
				8	9	TISHOMINGO					
9	84	15	IDABEL	2	9	ZOE	2.31	27	WILBURTON	4.39	TUSKAHOMA
				2	10	ZOE					

TABLE OF 1995/1996 COMPARISONS

Station	MARCH Temperature (°F)		MARCH Precipitation (in.)	
	1995	1996	1995	1996
Arnett	44.1	40.5	3.26	0.44
Mutual	44.8	41.7	3.25	0.16
Tulsa	51.8	45.4	6.41	2.07
Elk City	****	45.7	****	0.19
Oklahoma City	49.8	46.0	3.38	2.17
McAlester	54.2	50.6	4.32	2.16
Altus Irr Sta	****	47.7	****	0.51
Ada	51.7	****	4.10	****
Hugo	56.1	51.0	5.52	2.82

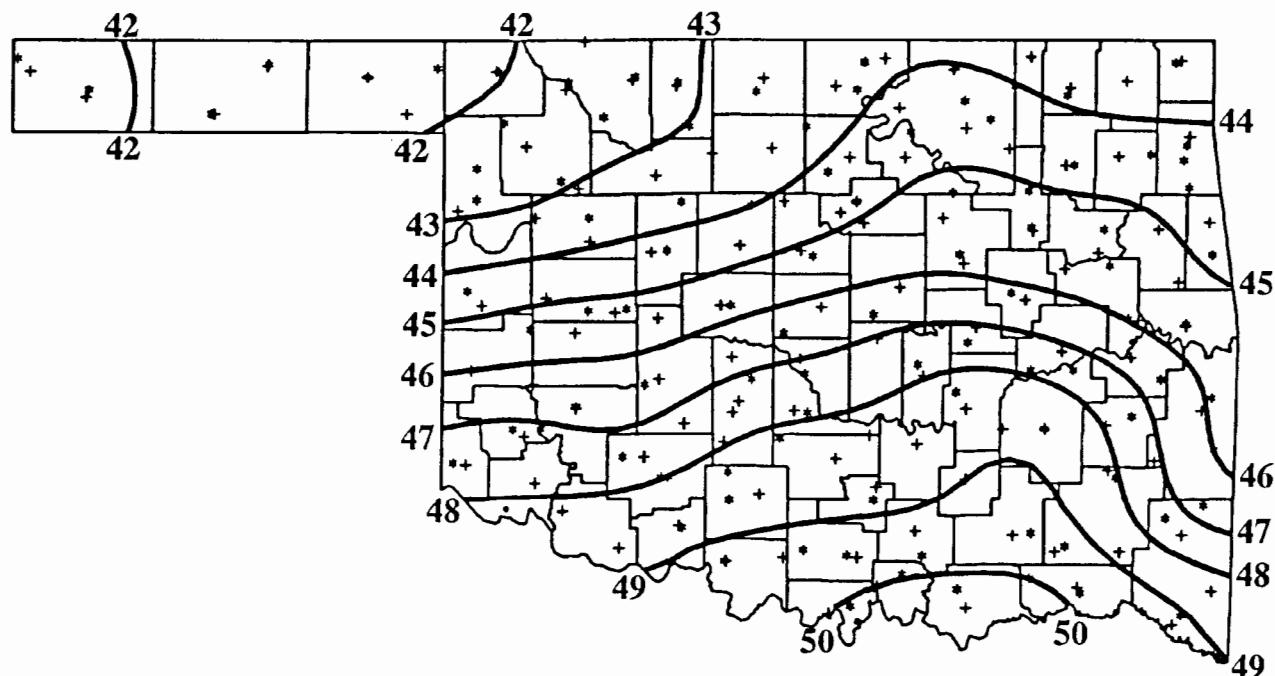
Variable	EXTREMES			
	Station	Division	Observation	Date
Minimum temperature (°F)	Kenton	1	-04	07
Maximum temperature (°F)	Mangum	7	89	13
	Marietta	8	89	14
Maximum 24-hour precipitation	Konawa	5	2.60"	28

MARCH 1996 SUMMARY FOR NORTHWEST DIVISION (CD1)

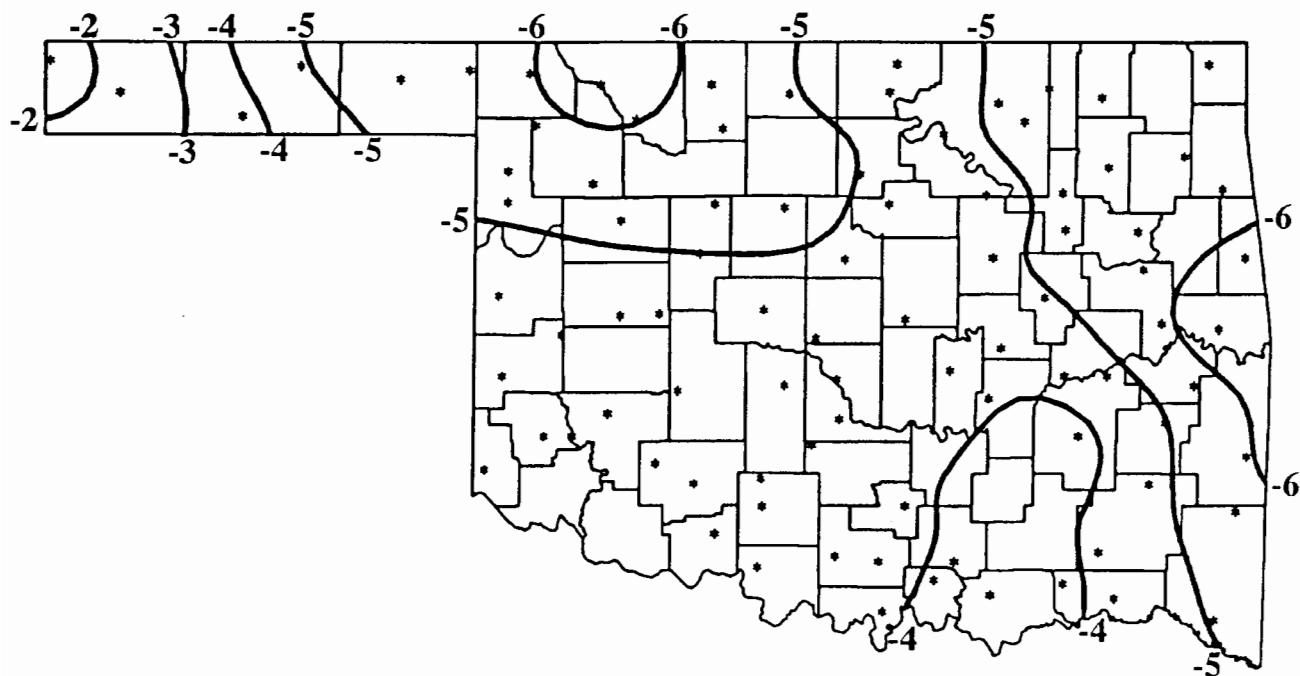
NAME	ID	CD	DEV						HEAT						COOL						DEV					
			MEAN	NUM	FROM	MAX	MIN			DEG	FROM	DEG	FROM	TOT	NUM	FROM	MAX	24-HR	DAY							
TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM	PPT	OBS	NORM	TEMP	DAY	HR										
ARNETT	332	1	40.5	31	-5.3	79.	24	1.	7	759.0	164.0	.5	.5	.440	31	-1.19	.39	31								
BEAVER	593	1	38.9	31	-5.7	80.	5	1.	8	810.0	178.0	.0	.0	1.232	31	-.22	.88	31								
BOISE CITY 2 E	908	1	43.3	31	-2.0	77.	23	2.	7	674.0	63.0	.0	.0	.275	31	-.61	.19	17								
BUFFALO	1243	1	43.6	31	-5.4	85.	23	-3.	7	664.0	158.0	.0	-10.0	.480	31	-1.38	.30	30								
FARGO	3070	1	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	.933	31	-.70	.91	31								
GAGE FAA APT	3407	1	43.2	31	-4.8	82.	13	1.	7	675.5	141.5	.0	-7.0	.553	31	-.96	.50	30								
GATE	3489	1	40.9	31	-4.9	84.	24	1.	7	748.5	146.5	.0	-7.0	1.292	31	-.39	.80	31								
GOODWELL RES ST	3628	1	41.1	31	-2.8	80.	24	-2.	7	740.0	86.0	.0	.0	.001	31	-.87	.00	7								
HOOKER	4298	1	39.8	31	-6.1	82.	24	1.	7	782.0	190.0	.0	.0	.008	31	-1.15	.00	31								
KENTON	4766	1	42.1	31	-.9	76.	23	-4.	7	711.0	29.0	.0	.0	.162	31	-.62	.13	6								
LAVERNE	5045	1	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	.861	31	-.84	.72	31								
RANGE	7412	1	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	.352	31	*****	.30	30								
REGNIER	7534	1	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	.122	31	-.61	.06	24								
TURPIN 4 SSE	9017	1	38.6	29	*****	81.	24	-2.	7	766.5	*****	.0	*****	.431	31	*****	.24	30								

MARCH 1996 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

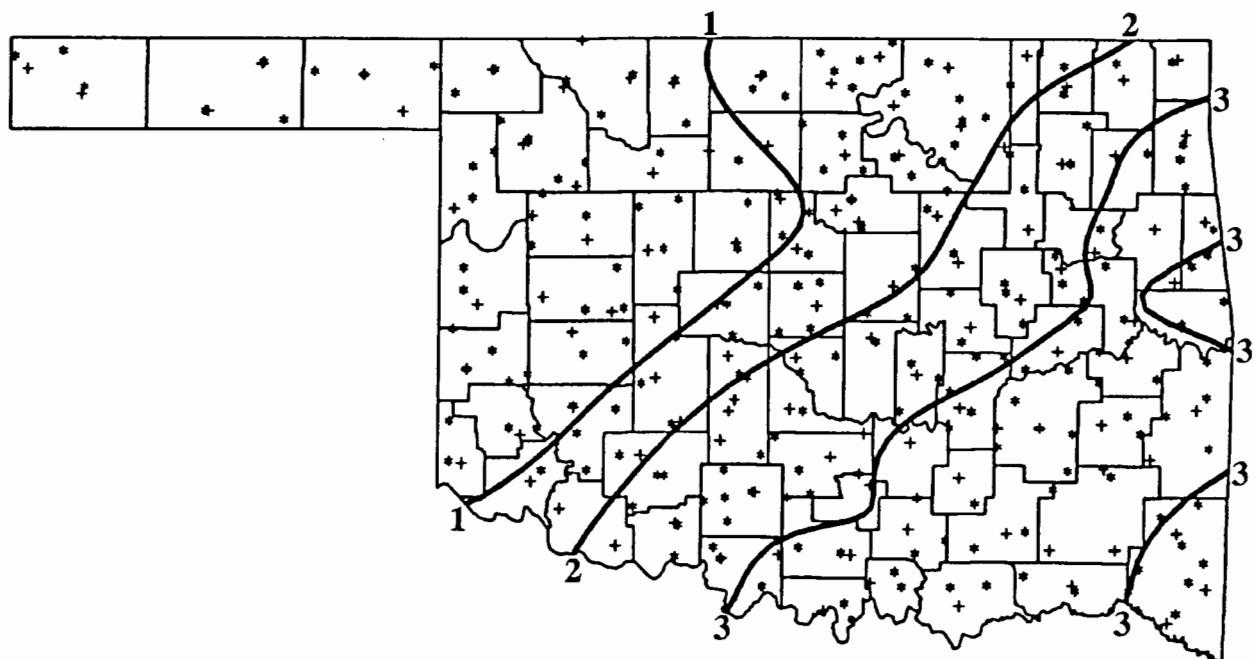
NAME	ID	CD	DEV						HEAT						COOL						DEV					
			MEAN	NUM	FROM	MAX	MIN			DEG	FROM	DEG	FROM	TOT	NUM	FROM	MAX	24-HR	DAY							
TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM	PPT	OBS	NORM	TEMP	DAY	HR										
ALVA	193	2	42.7	31	*****	80.	23	5.	8	691.0	*****	.0	*****	.880	31	*****	.41	15								
VANCE AFB	302	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	.753	31	*****	.42	30								
BILLINGS	755	2	41.2	31	-6.6	80.	14	4.	9	736.5	195.5	.0	-8.0	1.620	31	-1.07	.55	31								
BLACKWELL 2E	818	2	46.9	28	*****	81.	13	9.	7	507.5	*****	.0	*****	1.623	31	-.78	.87	31								
BRAMAN	1075	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	.991	31	*****	.46	15								
CEDARDALE	1620	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	.415	31	*****	.27	31								
CHEROKEE	1724	2	44.2	31	-5.3	77.	24	5.	8	646.0	156.0	.0	-9.0	.752	31	-1.69	.50	14								
FT SUPPLY DAM	3304	2	40.8	31	-5.2	78.	24	1.	7	751.5	155.5	1.0	-6.0	.821	31	-.80	.72	31								
FREEDOM	3358	2	39.3	31	-9.4	81.	24	4.	8	802.0	287.0	4.5	-5.5	.331	31	-1.53	.16	15								
GREAT SALT PLNS	3740	2	41.4	22	*****	79.	14	5.	11	520.0	*****	.0	*****	.880	23	*****	.47	15								
HARDY	3909	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	1.291	31	*****	.45	24								
HELENA 1 SSE	4019	2	42.5	31	-3.8	83.	14	7.	9	698.0	118.0	2.0	2.0	.337	31	-2.05	.25	15								
JEFFERSON	4573	2	44.0	31	-5.1	80.	13	3.	8	651.0	151.0	.0	-7.0	1.670	31	-.92	.88	14								
LAMONT	5013	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	1.791	31	*****	1.00	14								
MEDFORD	5768	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	1.511	31	*****	.63	14								
MORRISON	6065	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	.931	31	*****	.30	28								
MUTUAL	6139	2	41.7	30	-4.5	80.	14	4.	8	701.0	118.0	2.5	2.5	.162	31	-1.90	.15	31								
NEWKIRK	6278	2	43.9	31	-4.9	79.	13	2.	8	656.0	144.0	1.0	-9.0	1.111	31	-.26	.57	15								
ORIENTA	6751	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	.540	31	-.55	.33	15								
PERRY	7012	2	45.6	31	-4.9	82.	13	5.	8	605.0	141.0	4.5	-9.5	1.150	31	-1.56	.64	31								
PONCA CITY FAA	7201	2	45.9	31	-2.0	82.	13	5.	8	592.5	54.5	1.5	-6.5	.722	31	-1.81	.24	24								
RED ROCK 1 NNE	7505	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	1.010	31	-1.58	.31	15								
WAYNOKA	9404	2	42.7	31	-6.7	79.	23	5.	8	691.0	197.0	.0	-10.0	.492	31	-1.42	.43	31								
WOODWARD	9760	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	.151	31	-1.67	.12	31								



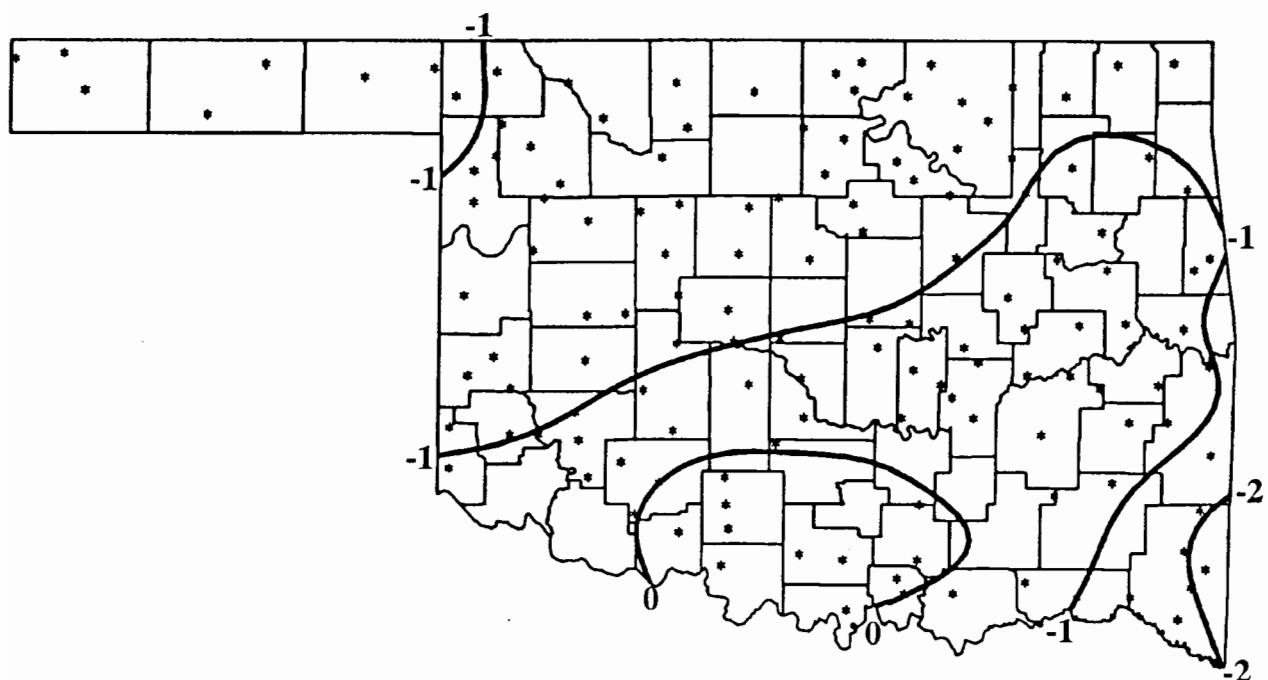
MARCH 1996 AVERAGE MONTHLY TEMPERATURES
(Degrees F)



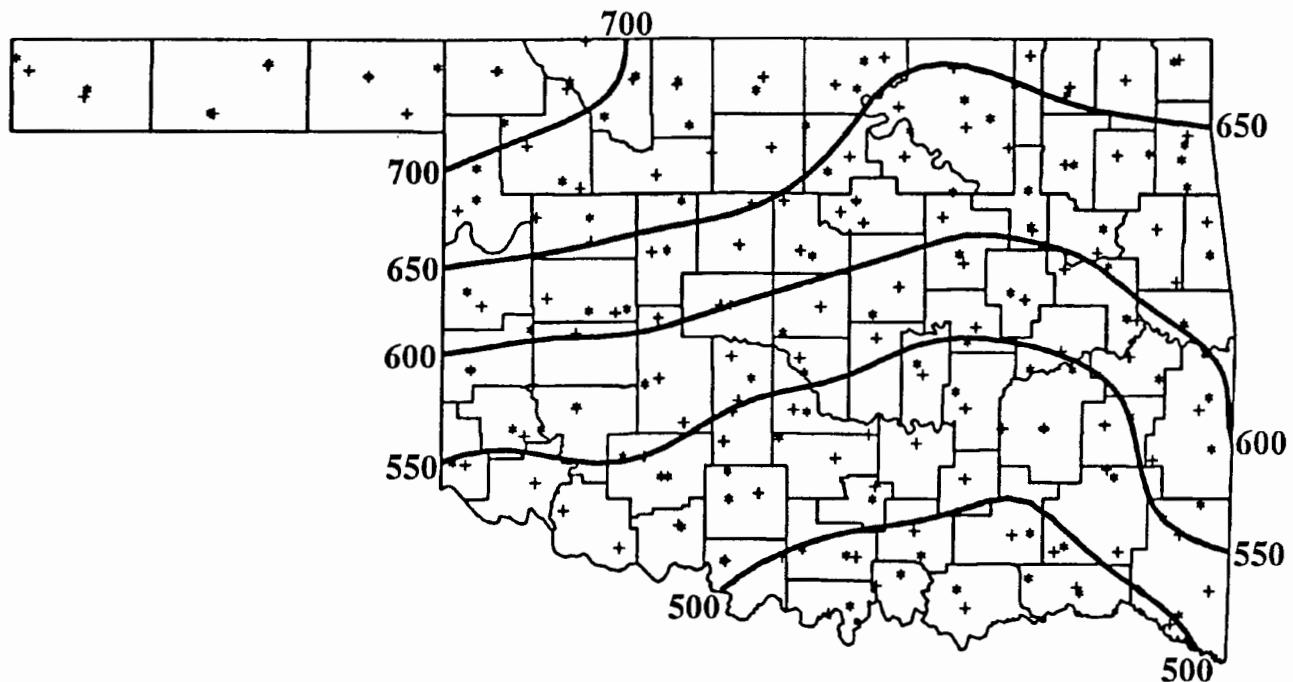
MARCH 1996 DEVIATION FROM NORMAL TEMPERATURES
(Degrees F)



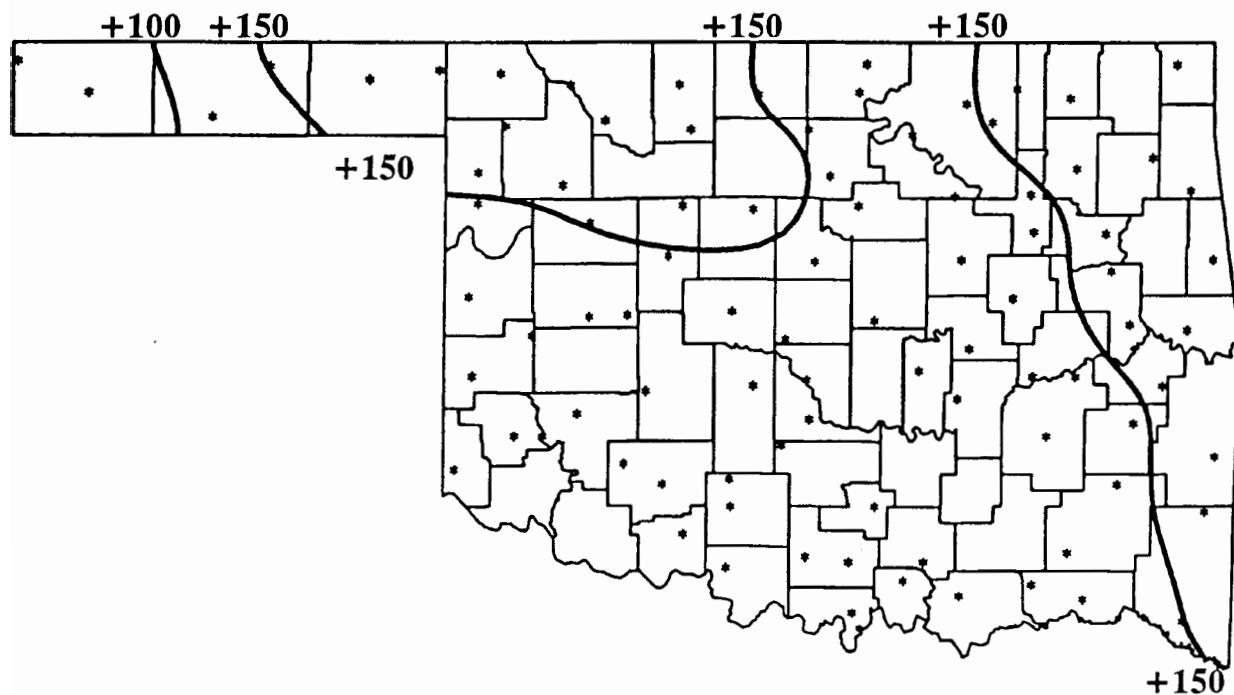
MARCH 1996 TOTAL PRECIPITATION
(Inches)



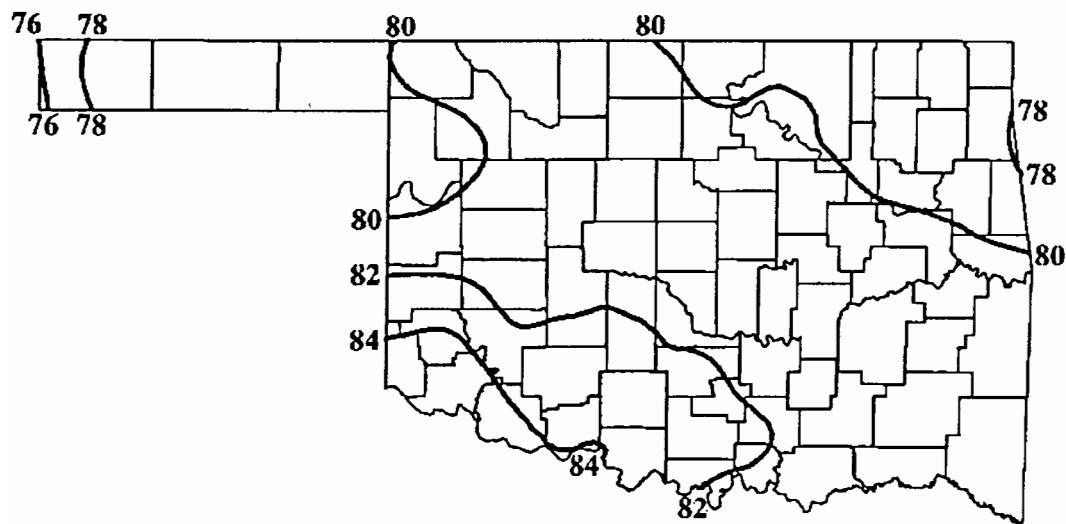
MARCH 1996 DEVIATION FROM NORMAL PRECIPITATION
(Inches)



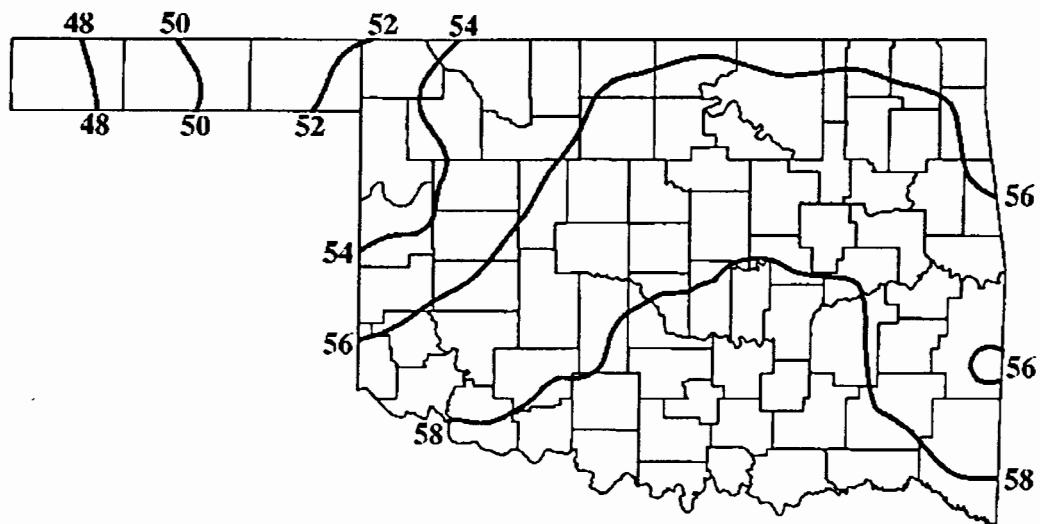
MARCH 1996 HEATING DEGREE DAYS



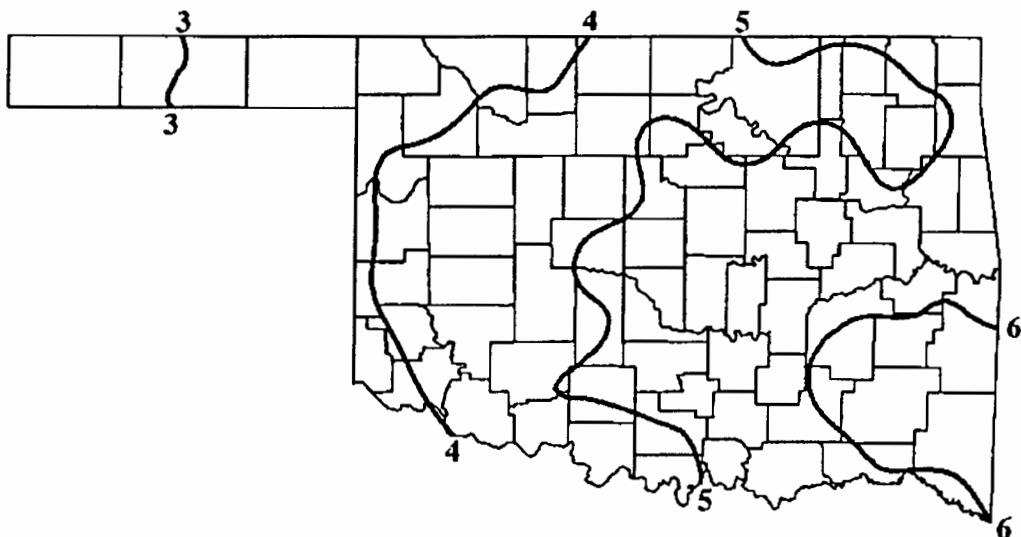
MARCH 1996 DEVIATION FROM NORMAL HEATING DEGREE DAYS



May Normal Daily Maximum Temperatures (°F)



May Normal Daily Minimum Temperatures (°F)



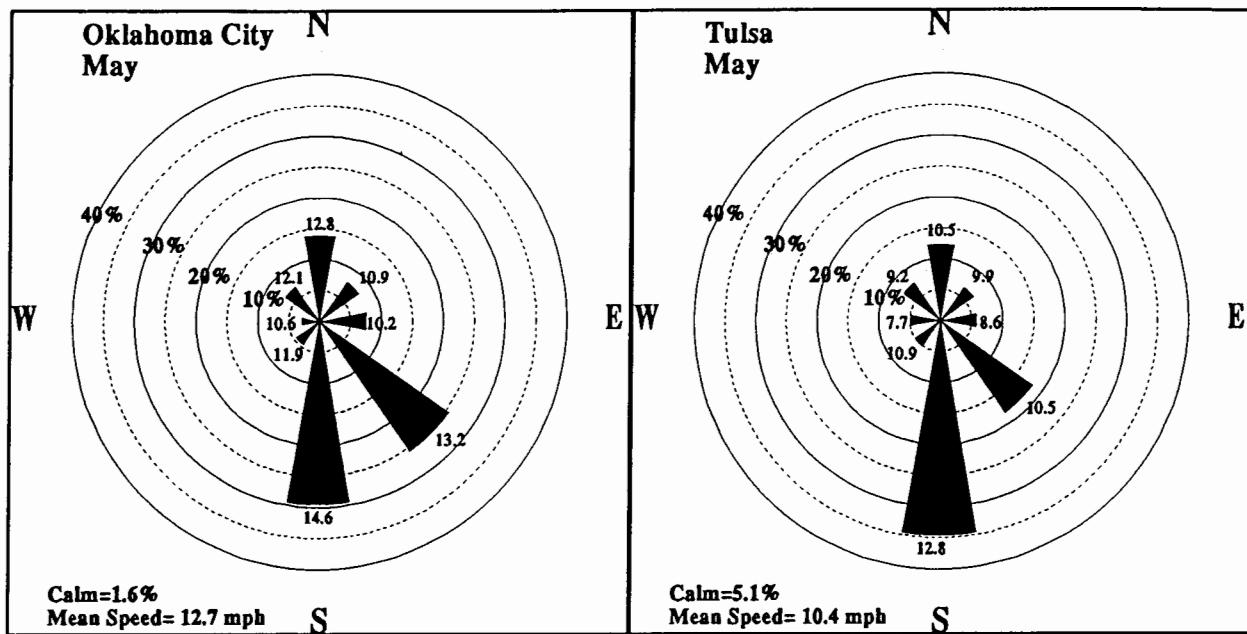
May Normal Monthly Precipitation (inches)

SEASONAL NATIONAL WEATHER SERVICE OUTLOOK

(May through July 1996)

Precipitation - Near Normal Statewide

Temperature - Near Normal Statewide



May Wind Roses for Oklahoma City and Tulsa. Percents represent the frequency of winds from each direction. The numbers at the ends of the bars indicate the average wind speed (miles per hour) from that direction.

MAY 1996 SUNRISE AND SUNSET

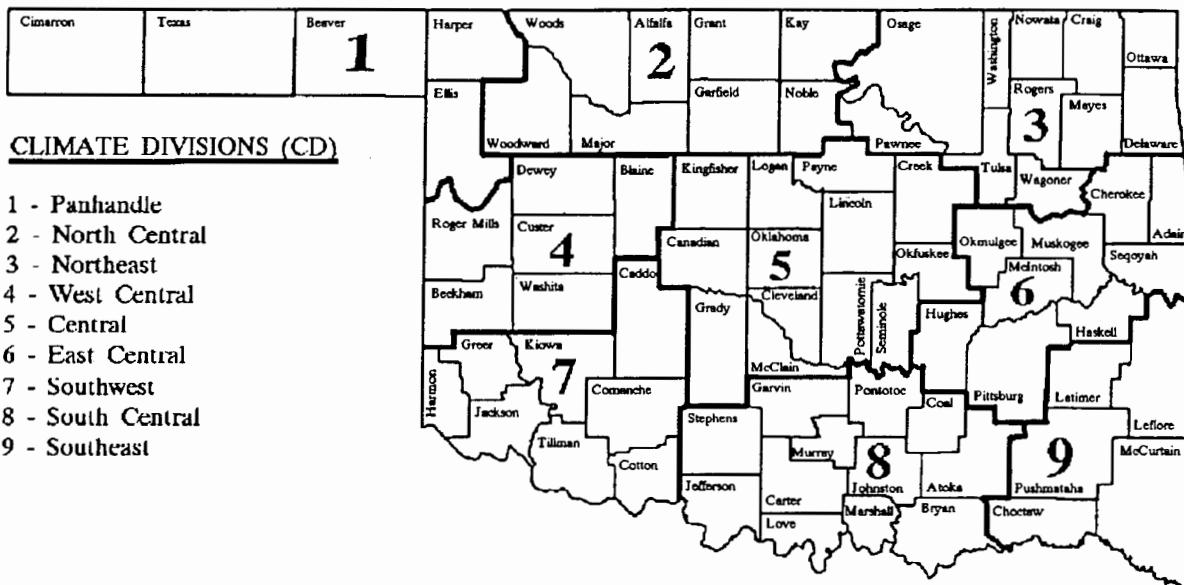
OKLAHOMA CITY

DATE	SUNRISE	SUNSET	DAYLIGHT
96 5 1	6:39AM	8:15PM cdt	13 hrs 36 mins
96 5 2	6:38AM	8:16PM cdt	13 hrs 38 mins
96 5 3	6:37AM	8:17PM cdt	13 hrs 40 mins
96 5 4	6:36AM	8:18PM cdt	13 hrs 41 mins
96 5 5	6:35AM	8:18PM cdt	13 hrs 43 mins
96 5 6	6:34AM	8:19PM cdt	13 hrs 45 mins
96 5 7	6:33AM	8:20PM cdt	13 hrs 47 mins
96 5 8	6:33AM	8:21PM cdt	13 hrs 48 mins
96 5 9	6:32AM	8:22PM cdt	13 hrs 50 mins
96 5 10	6:31AM	8:22PM cdt	13 hrs 52 mins
96 5 11	6:30AM	8:23PM cdt	13 hrs 53 mins
96 5 12	6:29AM	8:24PM cdt	13 hrs 55 mins
96 5 13	6:28AM	8:25PM cdt	13 hrs 56 mins
96 5 14	6:28AM	8:25PM cdt	13 hrs 58 mins
96 5 15	6:27AM	8:26PM cdt	13 hrs 59 mins
96 5 16	6:26AM	8:27PM cdt	14 hrs 1 mins
96 5 17	6:26AM	8:28PM cdt	14 hrs 2 mins
96 5 18	6:25AM	8:28PM cdt	14 hrs 4 mins
96 5 19	6:24AM	8:29PM cdt	14 hrs 5 mins
96 5 20	6:24AM	8:30PM cdt	14 hrs 6 mins
96 5 21	6:23AM	8:31PM cdt	14 hrs 7 mins
96 5 22	6:23AM	8:31PM cdt	14 hrs 9 mins
96 5 23	6:22AM	8:32PM cdt	14 hrs 10 mins
96 5 24	6:22AM	8:33PM cdt	14 hrs 11 mins
96 5 25	6:21AM	8:33PM cdt	14 hrs 12 mins
96 5 26	6:21AM	8:34PM cdt	14 hrs 13 mins
96 5 27	6:20AM	8:35PM cdt	14 hrs 15 mins
96 5 28	6:20AM	8:35PM cdt	14 hrs 16 mins
96 5 29	6:19AM	8:36PM cdt	14 hrs 17 mins
96 5 30	6:19AM	8:37PM cdt	14 hrs 18 mins
96 5 31	6:19AM	8:37PM cdt	14 hrs 19 mins

TULSA

DATE	SUNRISE	SUNSET	DAYLIGHT
96 5 1	6:31AM	8:10PM cdt	13 hrs 39 mins
96 5 2	6:30AM	8:11PM cdt	13 hrs 41 mins
96 5 3	6:29AM	8:11PM cdt	13 hrs 42 mins
96 5 4	6:28AM	8:12PM cdt	13 hrs 44 mins
96 5 5	6:27AM	8:13PM cdt	13 hrs 46 mins
96 5 6	6:26AM	8:14PM cdt	13 hrs 48 mins
96 5 7	6:25AM	8:15PM cdt	13 hrs 50 mins
96 5 8	6:24AM	8:15PM cdt	13 hrs 51 mins
96 5 9	6:23AM	8:16PM cdt	13 hrs 53 mins
96 5 10	6:22AM	8:17PM cdt	13 hrs 55 mins
96 5 11	6:22AM	8:18PM cdt	13 hrs 56 mins
96 5 12	6:21AM	8:19PM cdt	13 hrs 58 mins
96 5 13	6:20AM	8:19PM cdt	14 hrs 0 mins
96 5 14	6:19AM	8:20PM cdt	14 hrs 1 mins
96 5 15	6:18AM	8:21PM cdt	14 hrs 3 mins
96 5 16	6:18AM	8:22PM cdt	14 hrs 4 mins
96 5 17	6:17AM	8:23PM cdt	14 hrs 6 mins
96 5 18	6:16AM	8:23PM cdt	14 hrs 7 mins
96 5 19	6:16AM	8:24PM cdt	14 hrs 8 mins
96 5 20	6:15AM	8:25PM cdt	14 hrs 10 mins
96 5 21	6:14AM	8:26PM cdt	14 hrs 11 mins
96 5 22	6:14AM	8:26PM cdt	14 hrs 12 mins
96 5 23	6:13AM	8:27PM cdt	14 hrs 14 mins
96 5 24	6:13AM	8:28PM cdt	14 hrs 15 mins
96 5 25	6:12AM	8:28PM cdt	14 hrs 16 mins
96 5 26	6:12AM	8:29PM cdt	14 hrs 17 mins
96 5 27	6:11AM	8:30PM cdt	14 hrs 18 mins
96 5 28	6:11AM	8:31PM cdt	14 hrs 20 mins
96 5 29	6:11AM	8:31PM cdt	14 hrs 21 mins
96 5 30	6:10AM	8:32PM cdt	14 hrs 22 mins
96 5 31	6:10AM	8:32PM cdt	14 hrs 23 mins

OKLAHOMA



CLIMATE DIVISIONS (CD)

- 1 - Panhandle
- 2 - North Central
- 3 - Northeast
- 4 - West Central
- 5 - Central
- 6 - East Central
- 7 - Southwest
- 8 - South Central
- 9 - Southeast

EXPLANATION OF TABLES

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

Station Name:

Station Identification Number: These are usually assigned by the National Climatic Data Center.

Climate Division: See the figure above.

Number of Temperature Observations: These are the actual number of temperature reports recorded at the station during the current month. Missing observations may result in artificially high or low mean monthly temperatures.

Deviation from Normal: The deviation of the observed mean monthly temperature from the monthly station normal. A positive value indicates the month was warmer than normal. A negative value indicates the month was cooler than normal. Normal monthly temperatures may be calculated by subtracting the deviation from the observed temperature.

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

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

Heating Degree Days: HDD are calculated each day of the month for which there is a temperature report and the average temperature for the day is less than 65 degrees. Daily values are summed to arrive at a monthly total. They are a qualitative measure of how much heat was required to maintain a comfortable indoor temperature. Missing observations may result in an artificially high or low value. For February 1984 HDD would be calculated as:

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

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

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

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

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

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

Number of Precipitation Observations: The number of days a rain or no-rain observation was reported. Missing observations frequently result in artificially low total precipitation values.

Deviation from Normal Precipitation: A positive value indicates more rain than normal was received. A negative value indicates less than was expected rainfall was received. Normal rainfall may be calculated by subtracting the deviation from monthly total.

Maximum 24-Hour Report and Day: The maximum amount of precipitation recorded during the station's 24-hour observation period for the current month and year and the day on which it was recorded.

The second set of tables contain similar information but are the average or extreme over all the stations reporting in each climate division.

The data on this calendar are for Oklahoma City. Normal values are calculated for the period 1961-1990. Extremes are found for the period of record (1891 - present).

MAY AVERAGES

TEMPERATURE

PRECIPITATION

HEATING DEGREE DAYS

COOLING DEGREE DAYS

The data on this calendar are for Tulsa. Normal values are calculated for the period 1948-1991. Temperature extremes are for the period 1905-1992; precipitation extremes are for the period 1948-1992.

Normal 1 Actual	Normal 2 Actual	Normal 3 Actual	Normal 4 Actual	Normal 5 Actual	Normal 6 Actual	Normal 7 Actual
Normal 74.0 max 54.0 min .17 ppt 3 hdd 3 cdd	Normal 75.0 max 53.0 min .15 ppt 3 hdd 2 cdd	Normal 76.0 max 54.0 min .12 ppt 3 hdd 3 cdd	Normal 78.0 max 55.0 min .09 ppt 2 hdd 4 cdd	Normal 78.0 max 58.0 min .18 ppt 1 hdd 5 cdd	Normal 78.0 max 56.0 min .16 ppt 2 hdd 4 cdd	Normal 78.0 max 56.0 min .14 ppt 2 hdd 4 cdd
Highest Max 89-1948 Lowest Max 53-1966 Lowest Min 32-1909 Highest Min 67-1987 Greatest ppt 1.20-1978	Highest Max 94-1943 Lowest Max 58-1990 Lowest Min 32-1909 Highest Min 59-1929 Greatest ppt 2.78-1990	Highest Max 96-1920 Lowest Max 52-1978 Lowest Min 36-1976 Highest Min 67-1987 Greatest ppt 2.10-1979	Highest Max 96-1920 Lowest Max 56-1953 Lowest Min 36-1954 Highest Min 72-1950 Greatest ppt 1.05-1961	Highest Max 92-1952 Lowest Max 59-1953 Lowest Min 36-1907 Highest Min 71-1964 Greatest ppt 2.87-1960	Highest Max 90-1952 Lowest Max 61-1960 Lowest Min 36-1944 Highest Min 71-1986 Greatest ppt 2.50-1973	Highest Max 93-1918 Lowest Max 58-1972 Lowest Min 40-1931 Highest Min 72-1985 Greatest ppt 4.09-1995
Normal 8 Actual	Normal 9 Actual	Normal 10 Actual	Normal 11 Actual	Normal 12 Actual	Normal 13 Actual	Normal 14 Actual
Normal 78.0 max 55.0 min .14 ppt 2 hdd 4 cdd	Normal 78.0 max 57.0 min .13 ppt 2 hdd 5 cdd	Normal 77.0 max 58.0 min .39 ppt 2 hdd 4 cdd	Normal 77.0 max 57.0 min .16 ppt 2 hdd 5 cdd	Normal 77.0 max 57.0 min .25 ppt 2 hdd 4 cdd	Normal 77.0 max 56.0 min .25 ppt 2 hdd 4 cdd	Normal 78.0 max 56.0 min .14 ppt 2 hdd 4 cdd
Highest Max 97-1918 Lowest Max 62-1993 Lowest Min 37-1938 Highest Min 71-1976 Greatest ppt 3.56-1991	Highest Max 93-1918 Lowest Max 64-1954 Lowest Min 38-1923 Highest Min 72-1948 Greatest ppt 1.70-1965	Highest Max 93-1963 Lowest Max 58-1993 Lowest Min 41-1909 Highest Min 71-1963 Greatest ppt 4.36-1950	Highest Max 94-1980 Lowest Max 62-1966 Lowest Min 40-1960 Highest Min 74-1956 Greatest ppt 2.76-1980	Highest Max 91-1992 Lowest Max 51-1953 Lowest Min 41-1971 Highest Min 72-1991 Greatest ppt 4.05-1982	Highest Max 93-1911 Lowest Max 51-1953 Lowest Min 41-1971 Highest Min 70-1991 Greatest ppt 2.51-1926	Highest Max 93-1911 Lowest Max 62-1956 Lowest Min 44-1976 Highest Min 70-1991 Greatest ppt 1.89-1967
Normal 15 Actual	Normal 16 Actual	Normal 17 Actual	Normal 18 Actual	Normal 19 Actual	Normal 20 Actual	Normal 21 Actual
Normal 79.0 max 57.0 min .10 ppt 1 hdd 5 cdd	Normal 81.0 max 59.0 min .10 ppt 1 hdd 6 cdd	Normal 81.0 max 60.0 min .18 ppt 0 hdd 6 cdd	Normal 81.0 max 60.0 min .23 ppt 0 hdd 6 cdd	Normal 81.0 max 60.0 min .19 ppt 1 hdd 6 cdd	Normal 82.0 max 61.0 min .22 ppt 1 hdd 8 cdd	Normal 82.0 max 61.0 min .22 ppt 1 hdd 8 cdd
Highest Max 95-1911 Lowest Max 58-1976 Lowest Min 35-1907 Highest Min 69-1963 Greatest ppt 1.15-1989	Highest Max 94-1991 Lowest Max 65-1981 Lowest Min 40-1945 Highest Min 74-1974 Greatest ppt 1.27-1959	Highest Max 94-1911 Lowest Max 67-1969 Lowest Min 45-1976 Highest Min 72-1974 Greatest ppt 1.58-1986	Highest Max 94-1987 Lowest Max 65-1952 Lowest Min 45-1988 Highest Min 74-1987 Greatest ppt 2.48-1960	Highest Max 94-1911 Lowest Max 65-1981 Lowest Min 46-1988 Highest Min 74-1987 Greatest ppt 3.91-1949	Highest Max 94-1956 Lowest Max 64-1967 Lowest Min 45-1969 Highest Min 71-1982 Greatest ppt 1.89-1967	Highest Max 95-1925 Lowest Max 56-1968 Lowest Min 45-1915 Highest Min 73-1962 Greatest ppt 1.90-1978
Normal 22 Actual	Normal 23 Actual	Normal 24 Actual	Normal 25 Actual	Normal 26 Actual	Normal 27 Actual	Normal 28 Actual
Normal 82.0 max 62.0 min .11 ppt 0 hdd 8 cdd	Normal 81.0 max 62.0 min .18 ppt 0 hdd 7 cdd	Normal 81.0 max 62.0 min .26 ppt 0 hdd 7 cdd	Normal 83.0 max 62.0 min .18 ppt 0 hdd 8 cdd	Normal 82.0 max 62.0 min .36 ppt 0 hdd 8 cdd	Normal 83.0 max 61.0 min .35 ppt 0 hdd 8 cdd	Normal 82.0 max 62.0 min .26 ppt 0 hdd 7 cdd
Highest Max 93-1953 Lowest Max 64-1963 Lowest Min 44-1931 Highest Min 77-1953 Greatest ppt 1.24-1971	Highest Max 93-1999 Lowest Max 62-1953 Lowest Min 41-1917 Highest Min 75-1953 Greatest ppt 1.45-1952	Highest Max 94-1911 Lowest Max 63-1956 Lowest Min 42-1935 Highest Min 75-1953 Greatest ppt 2.01-1974	Highest Max 94-1911 Lowest Max 64-1995 Lowest Min 45-1925 Highest Min 72-1953 Greatest ppt 1.80-1974	Highest Max 94-1926 Lowest Max 60-1992 Lowest Min 44-1925 Highest Min 73-1953 Greatest ppt 2.40-1984	Highest Max 94-1911 Lowest Max 60-1992 Lowest Min 45-1961 Highest Min 73-1991 Greatest ppt 6.95-1984	Highest Max 94-1926 Lowest Max 53-1992 Lowest Min 45-1947 Highest Min 73-1991 Greatest ppt 1.54-1981
Normal 29 Actual	Normal 30 Actual	Normal 31 Actual	MAY AVERAGES			
Normal 83.0 max 62.0 min .09 ppt 0 hdd 8 cdd	Normal 83.0 max 63.0 min .15 ppt 0 hdd 9 cdd	Normal 83.0 max 63.0 min .10 ppt 0 hdd 9 cdd	TEMPERATURE			
Highest Max 98-1926 Lowest Max 69-1964 Lowest Min 40-1947 Highest Min 75-1982 Greatest ppt 1.32-1981	Highest Max 98-1934 Lowest Max 69-1981 Lowest Min 49-1930 Highest Min 77-1991 Greatest ppt 2.71-1976	Highest Max 100-1934 Lowest Max 68-1981 Lowest Min 49-1947 Highest Min 77-1991 Greatest ppt 1.00-1987	PRECIPITATION			
HEATING DEGREE DAYS				: 37		
COOLING DEGREE DAYS				: 177		