

# **OKLAHOMA MONTHLY SUMMARY REVISED JULY 1999**

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## MONTHLY SUMMARY FOR JULY 1999

Less than normal precipitation and a late-in-the-month heat wave helped bring about a slightly warmer-than-normal July. According to preliminary data from the National Weather Service, statewide precipitation averaged 1.41 inches during the month, 1.21 inches less than normal, giving 1999 the 18<sup>th</sup> driest July since 1892. Accompanying temperatures averaged 82.7 degrees, 0.6 degree higher than normal, to rank this as the 39<sup>th</sup> warmest July in 108 years. Precipitation was below normal in each of the state's nine climate divisions although southeastern portions of the state suffered most. Locally heavy rainstorms produced greater than normal monthly precipitation at a handful of stations. Despite the turn to drier weather in July, 1999 remains a wet year, with the state receiving 26.42 inches of precipitation, averaged statewide, since January. Precipitation during the first seven months of the year exceeded normal by 6.10 inches to give 1999 the 11<sup>th</sup> wettest January-through-July on record. The average temperature through July, 60.5 degrees, is 0.8 degree greater than normal and 34<sup>th</sup> highest on the all-time list.

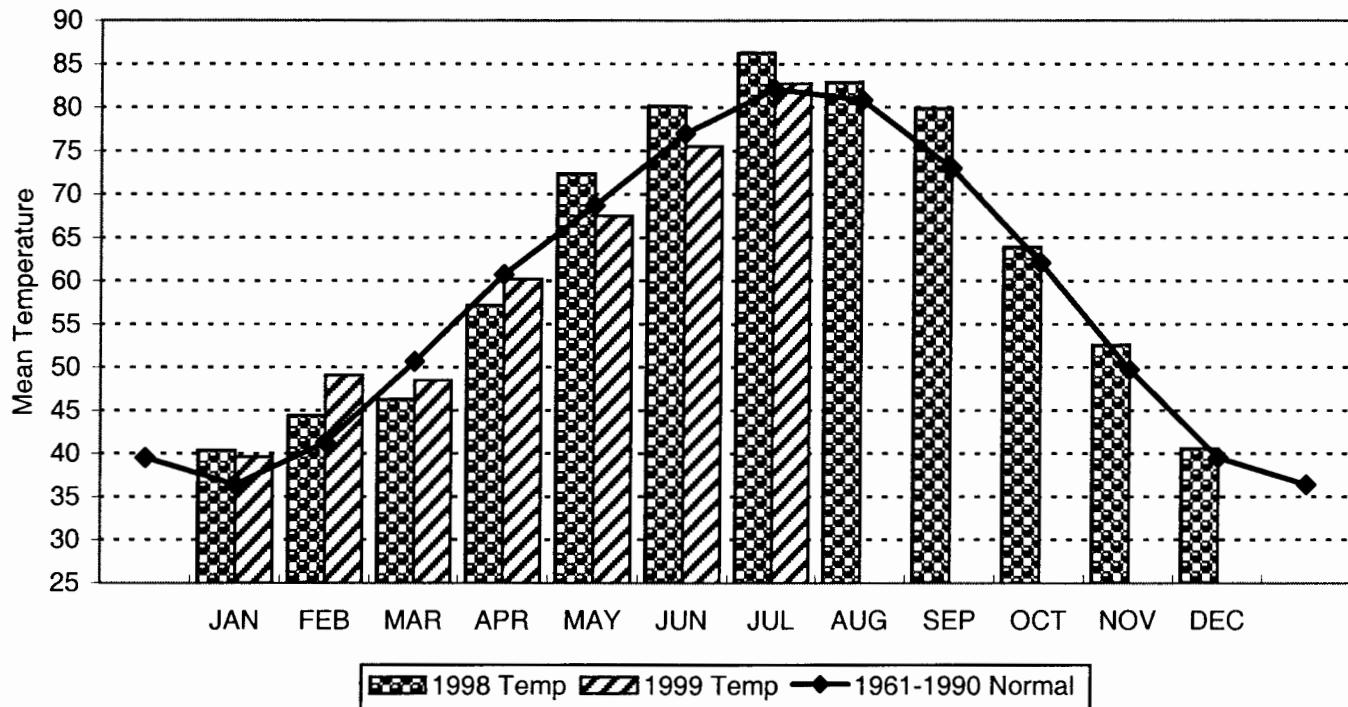
The rainy weather from June carried over into July in much of northern and eastern Oklahoma, leading to the cancellation of several 4<sup>th</sup> of July events. High water in many of the state's lakes limited camping activities over the long holiday weekend, despite temperatures that ranged from the mid-80s to the mid-90s across the state. Sporadic, locally heavy rainstorms were reported the first 10 days of the month. Cleveland (Pawnee County) reported 4.96 inches of rain on the 10<sup>th</sup>. Other reports of daily precipitation exceeding three inches included: Colony (Washita) 3.85 inches on the 10<sup>th</sup>, the El Reno Mesonet site (Canadian) 3.48 inches on the 9<sup>th</sup>, Waynoka (Woods) 3.30 inches on the 8<sup>th</sup>, Blanchard (McClain) 3.19 inches on the 10<sup>th</sup>, and Jefferson (Grant) 3.09 inches on the 9<sup>th</sup>.

Precipitation was largely replaced by blue skies across the state from the 11<sup>th</sup> through the end of the month. Temperatures rose concurrently with the increased sunshine as daytime highs of 105 degrees or higher appeared frequently from the 24<sup>th</sup> through the 31<sup>st</sup> while even the state's coolest locations recorded temperatures in the mid-90s. Hollis (Harmon), Hobart (Kiowa), Freedom (Woods), and Buffalo (Harper) each recorded a daily maximum temperature of 109 degrees on the 30<sup>th</sup>. The extreme heat at the end of the month combined with a humidity that was high by Oklahoma standards to produce a dangerous heat wave condition. Eight people died from heat-related causes during the last week of July.

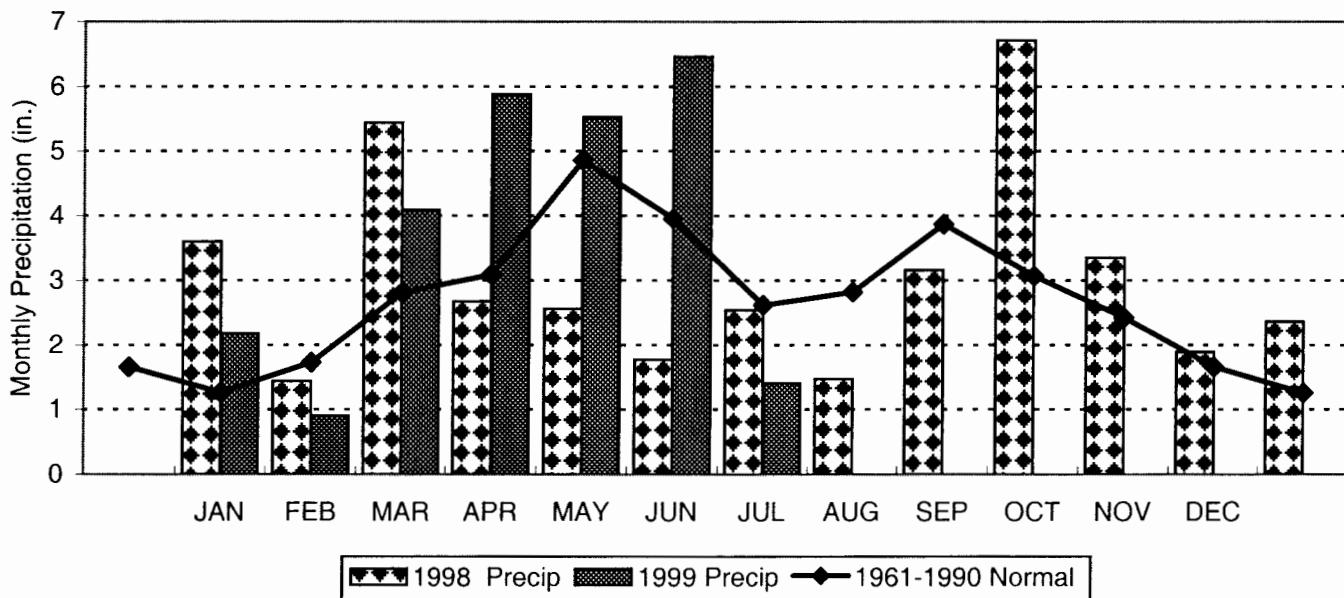
Severe weather was rare during the month due to the limited number and extent of the summer thunderstorms. Wind damage and hail were reported at a number of locations in north central and northeastern Oklahoma on the first. The Mesonet site at Medford (Grant) recorded a peak wind of 71 miles per hour, the highest wind speed reported during the month. Cimarron County on the 5<sup>th</sup>, McCurtain, Hughes, and Mayes counties on the 7<sup>th</sup>, and Noble County on the 30<sup>th</sup> each had reports of hail or damaging thunderstorm winds. Local flooding was reported in Enid (Garfield) and near Meno (Major) on the 9<sup>th</sup>.

Howard L. Johnson

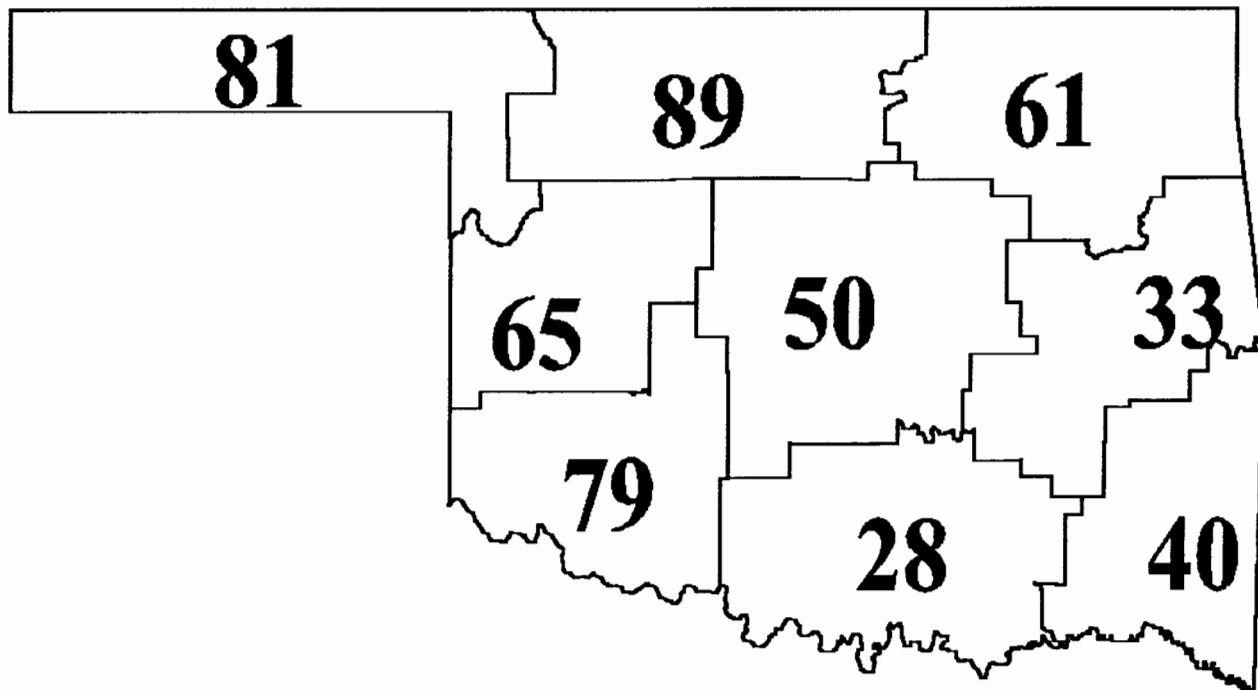
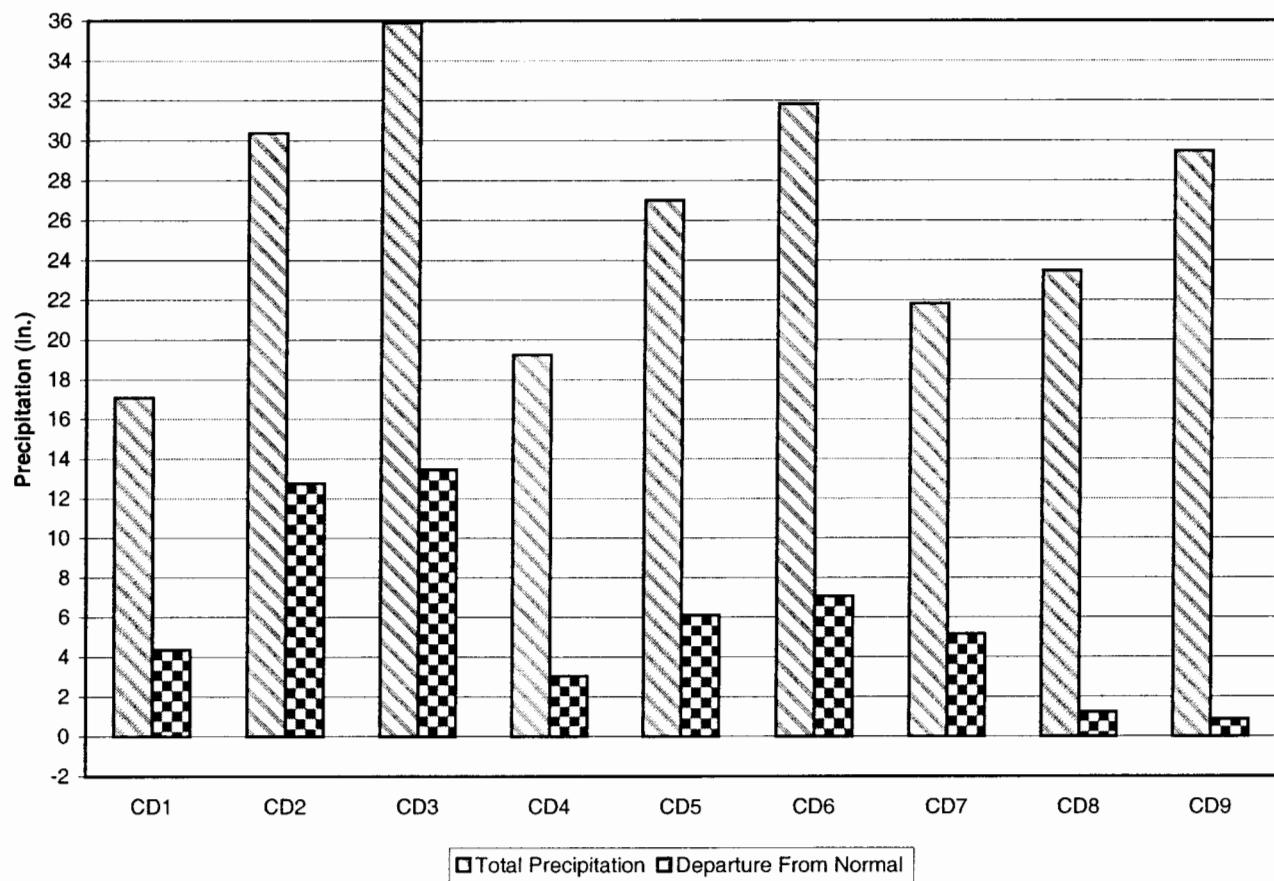
### 1998 and 1999 STATEWIDE TEMPERATURES Monthly Averages



### 1998 and 1999 STATEWIDE PRECIPITATION Monthly Totals



CD Averaged Precipitation January through July 1999



CD PERCENT OF NORMAL PRECIPITATION  
July 1999

**EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION  
JULY, 1999**

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	109	30	BUFFALO	51	11	BEAVER	1.98	17	TURPIN	2.79	BOISE CITY
				51	12	GOODWELL					
				51	11	GUYMON					
				51	12	GUYMON					
2	109	30	FREEDOM	50	11	FT SUPPLY	3.30	8	WAYNOKA	5.17	BLACKWELL
3	105	29	BARTLESVILLE	54	13	RALSTON	4.96	10	CLEVELAND	5.67	CLEVELAND
105	29	UPPER SPAV									
4	106	30	OKEENE	56	11	HAMMON	3.85	10	COLONY	3.85	COLONY
106	31	TALOGA		56	12	HAMMON					
				56	13	HAMMON					
5	106	30	CHICKASHA	54	13	BRISTOW	3.19	10	BLANCHARD	3.19	BLANCHARD
6	106	30	WEBBERS FALLS	54	12	STILWELL	2.21	20	LAKE EUFAULA	3.61	SHORT
				54	13	STILWELL					
7	109	30	HOBART	54	10	WICHITA MT	2.70	10	SEDAN	3.73	SEDAN
109	30	HOLLIS									
109	31	HOLLIS									
8	108	30	MARLOW	59	11	MARLOW	2.14	10	CANEY	2.88	ATOKA DAM
				59	13	PAULS VALLEY					
9	105	31	HUGO	57	13	WILBURTON	2.57	1	SPIRO	3.82	SPIRO
105	31	WILBURTON									

**TABLE OF 1998/1999 COMPARISONS**

JULY Temperature (°F)	JULY Precipitation (in.)
--------------------------	-----------------------------

Station	1998	1999	1998	1999
Arnett	82.8	79.5	3.19	2.12
Enid	85.3	85.5	3.32	0.00
Tulsa	85.4	84.4	4.31	0.40
Elk City	85.6	81.1	1.12	1.60
Oklahoma City	88.0	82.2	0.02	1.94
McAlester	89.3	82.8	0.19	0.03
Altus Irr Station	89.1	84.2	0.34	1.73
Ardmore	90.3	84.9	0.00	0.49
Idabel	86.9	****	1.45	****

**EXTREMES**

VARIABLE	STATION	DIVISON	OBSERVATION	DATE
Minimum temperature (°F)	Ft. Supply	2	50	11
Maximum temperature (°F)	Buffalo	1	109	30
	Freedom	2	109	30
	Hobart	7	109	30
	Hollis	7	109	30
	Hollis	7	109	31
Maximum 24-hour Precipitation	Cleveland	3	4.96"	10









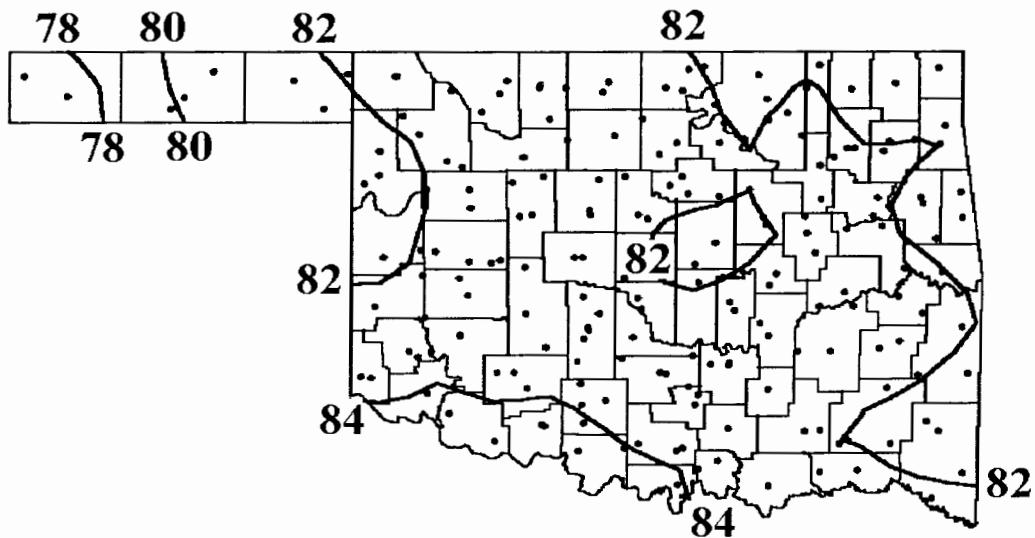
## JULY 1999 SUMMARY FOR SOUTHEAST DIVISION (CD9)

NAME	ID	CD	DEV				HEAT				COOL				DEV			
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	TOT	NUM	FROM	MAX	24-HR	DAY	
			OBS	NORM	TEMP	DAY	TEMP	DAY	DEG	NORM	DAY	NORM	PPT	OBS	NORM			
ANTLERS	256	9	81.7	31	0.4	101	30	61	2	0	0	517	12	0.220	31	-3.05	0.22	7
BATTIEST	567	9	80.4	30 *	****	101	30	62	13	0	*****	463	*****	0.560	30	****	0.31	1
BENGAL	670	9	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.320	31	****	1.25	1
BOSWELL	980	9	82.0	31	0.1	100	31	65	13	0	0	529	5	0.220	31	-2.30	0.17	1
BROKEN BOW	1162	9	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.250	31	-2.28	0.99	8
CARNASAW	1499	9	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.160	31	-1.85	1.40	11
CARTER TWR	1544	9	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.900	31	-3.09	0.55	11
FANSHAWE	3065	9	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.760	31	-2.85	0.38	8
HEAVENER	4008	9	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.510	31	-1.93	1.51	10
HUGO	4384	9	79.9	30	-2.4	105	31	59	20	0	0	449	-88	0.440	31	-2.35	0.20	5
PAGE	6842	9	80.3	30 *	****	100	30	61	15	0	*****	461	*****	0.451	30	****	0.31	1
POTEAU	7254	9	82.8	31 *	****	104	31	62	12	0	*****	552	*****	1.781	31	****	1.78	7
SMITHVILLE	8285	9	79.1	28 *	****	98	31	61	13	0	*****	394	*****	0.420	28	****	0.40	1
SPIRO	8416	9	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.820	31	0.58	2.57	1
TUSKAHOMA	9023	9	82.8	31	1.1	104	29	62	14	0	0	552	34	2.670	31	-1.04	1.34	8
VALLIANT	9118	9	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.551	31	-1.91	1.43	11
WILBURTON	9634	9	81.9	31	0.7	105	31	57	13	0	0	525	23	0.190	31	-3.57	0.10	19
WISTER	9724	9	84.8	4 *	****	95	4	72	1	0	*****	79	*****	2.020	31	****	1.88	1

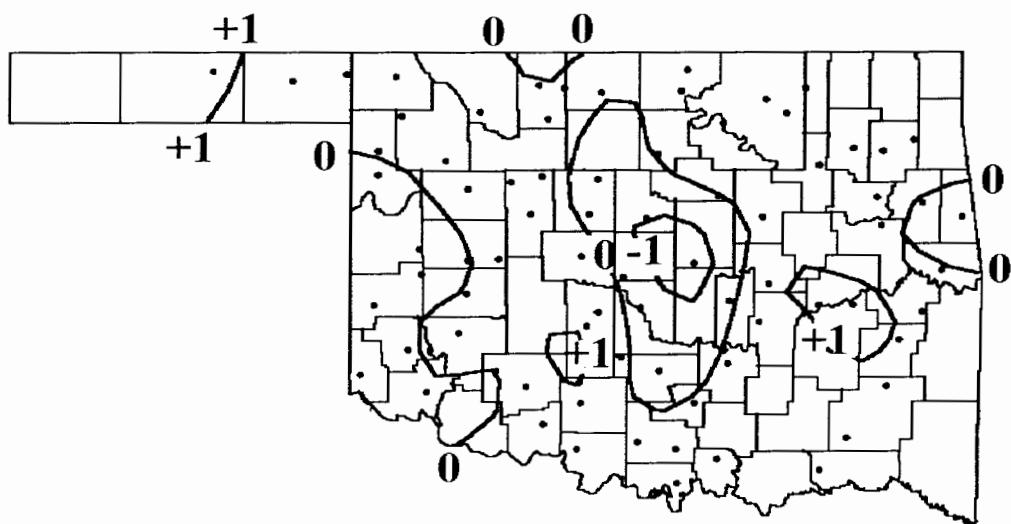
## JULY 1999 CLIMATE DIVISION SUMMARY

CD	DEV				HEAT				COOL				DEV			
	MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	TOT	NUM	FROM	MAX	24-HR	DAY	
	CD	TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM	PPT	OBS	NORM	
1	81.2	8	1	109	30	51	12	0	0	500	28	1.440	11	-1.05	1.98	17
2	83.1	12	0.4	109	30	50	11	0	0	559	10	2.510	21	-0.31	3.30	8
3	82.8	10	1.2	105	29	54	13	0	0	552	38	1.790	22	-1.14	4.96	10
4	82.7	10	0.4	106	31	56	13	0	0	549	11	1.290	18	-0.71	3.85	10
5	82.3	14	0	106	30	54	13	0	0	537	-1	1.270	33	-1.26	3.19	10
6	82.1	9	0.5	106	30	54	13	0	0	529	13	0.950	20	-1.96	2.21	20
7	83.9	8	0.2	109	31	54	10	0	0	587	6	1.580	19	-0.42	2.70	10
8	83.4	13	0.4	108	30	59	13	0	0	571	14	0.640	27	-1.66	2.14	10
9	81.5	8	0.2	105	31	57	13	0	0	506	1	1.390	15	-2.12	2.57	1

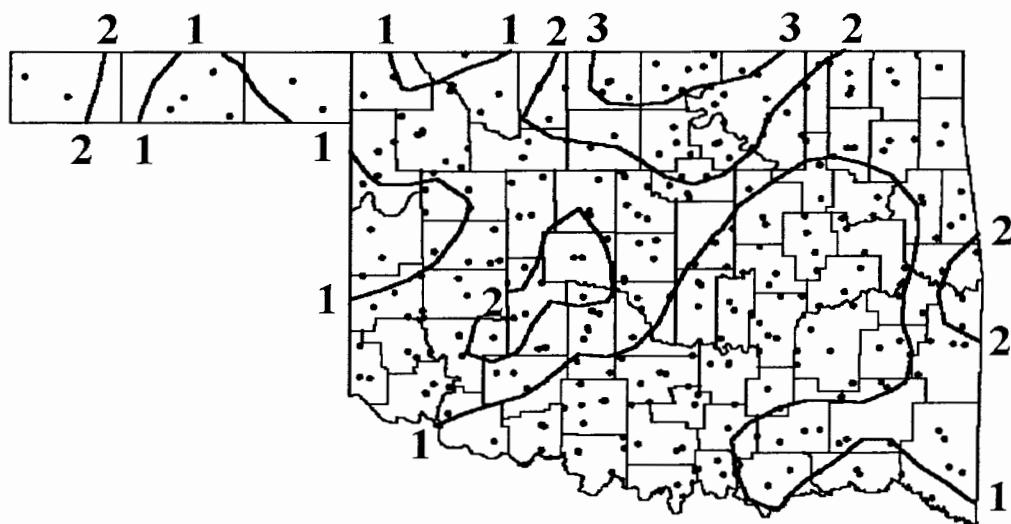




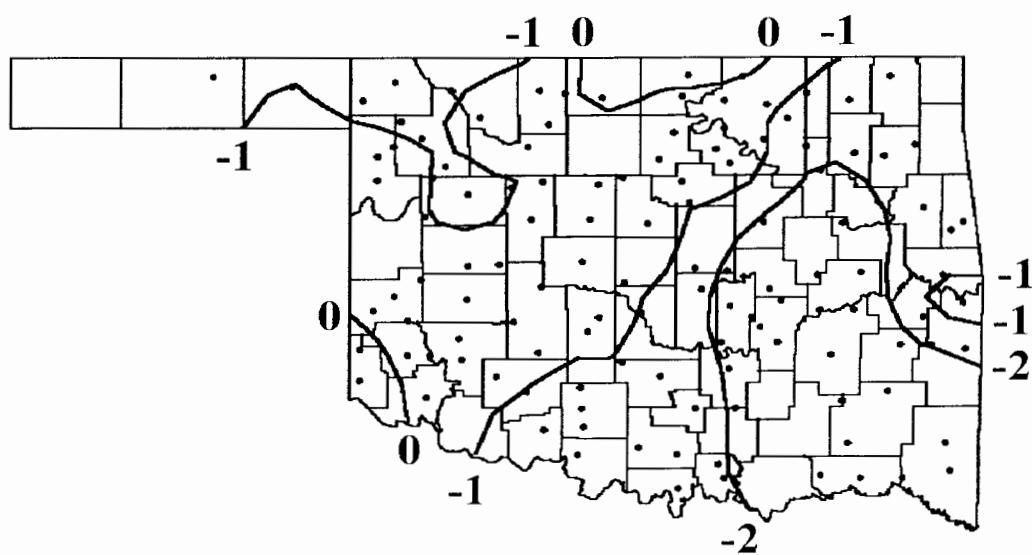
JULY 1999 AVERAGE MONTHLY TEMPERATURE (F)



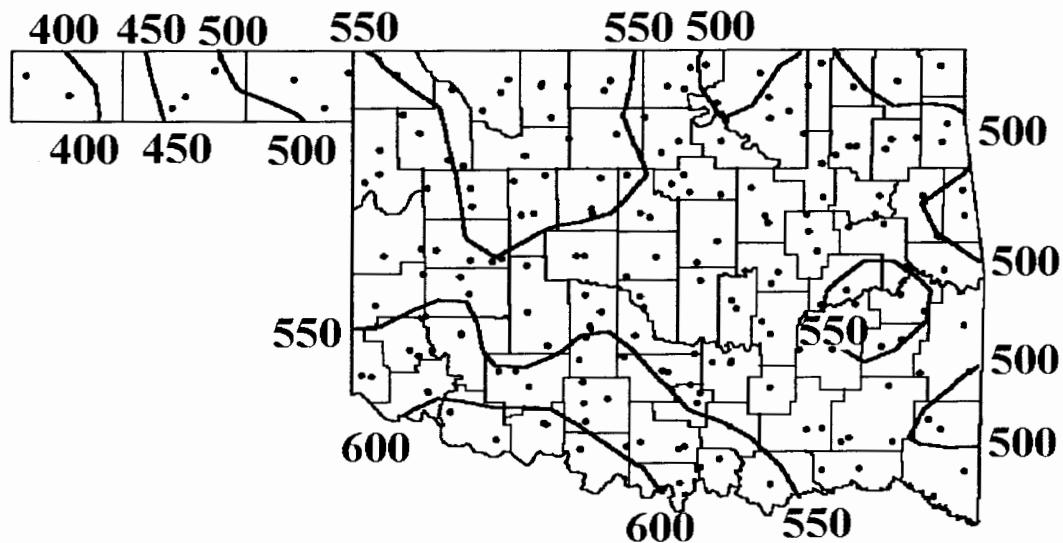
JULY 1999 DEPARTURE FROM NORMAL TEMPERATURE (F)



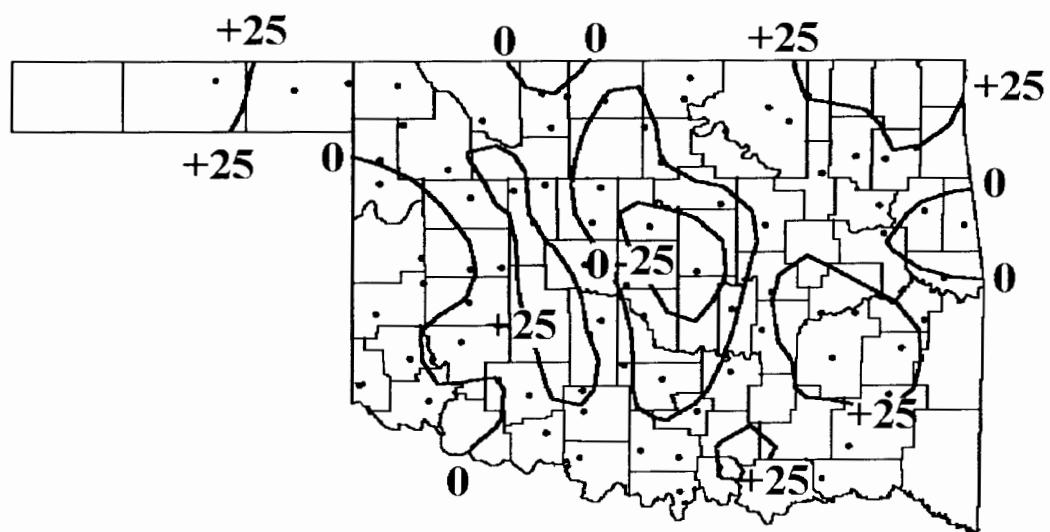
JULY 1999 TOTAL PRECIPITATION (INCHES)



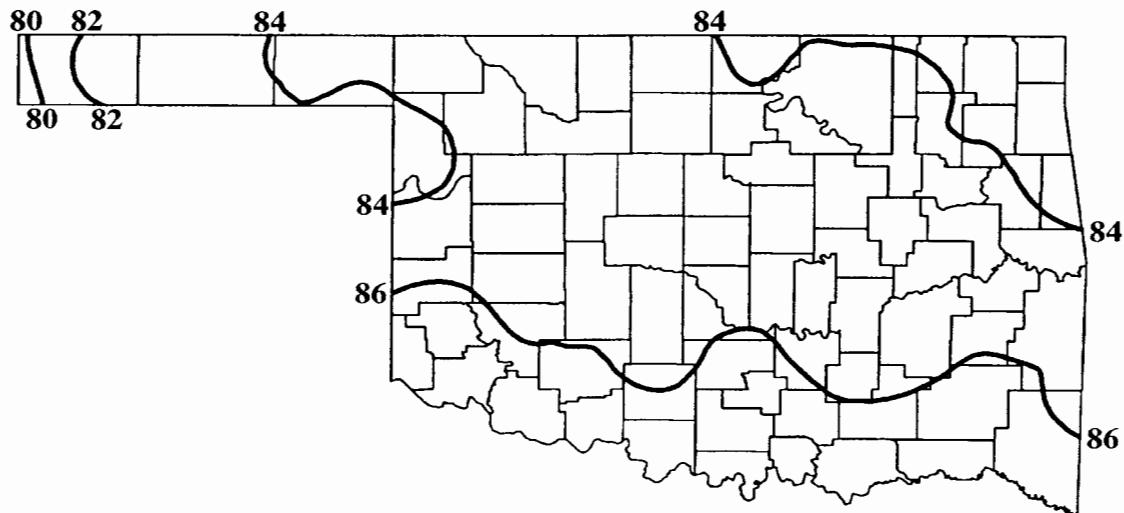
JULY 1999 DEPARTURE FROM NORMAL PRECIPITATION (INCHES)



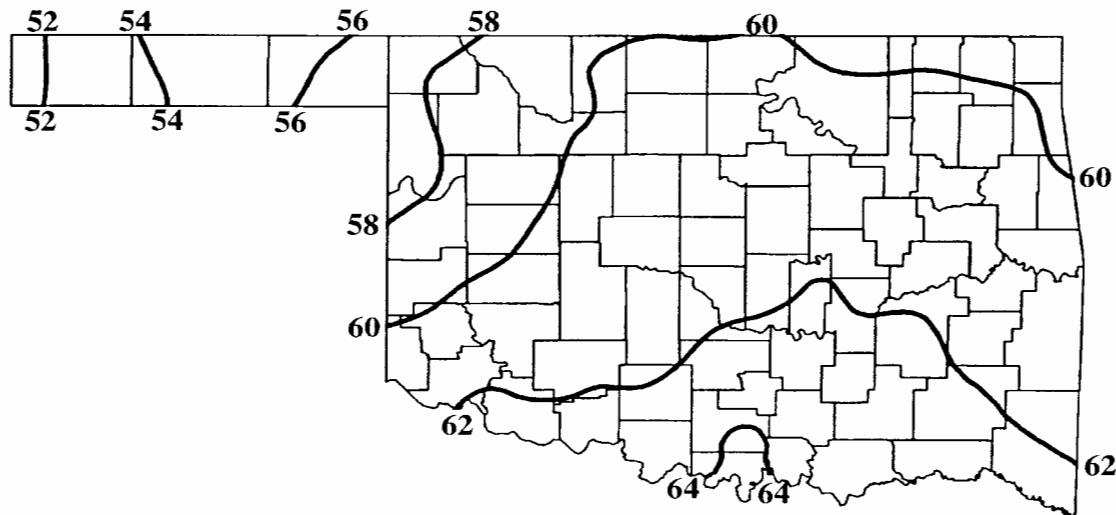
JULY 1999 ACCUMULATED COOLING DEGREE DAYS (F)



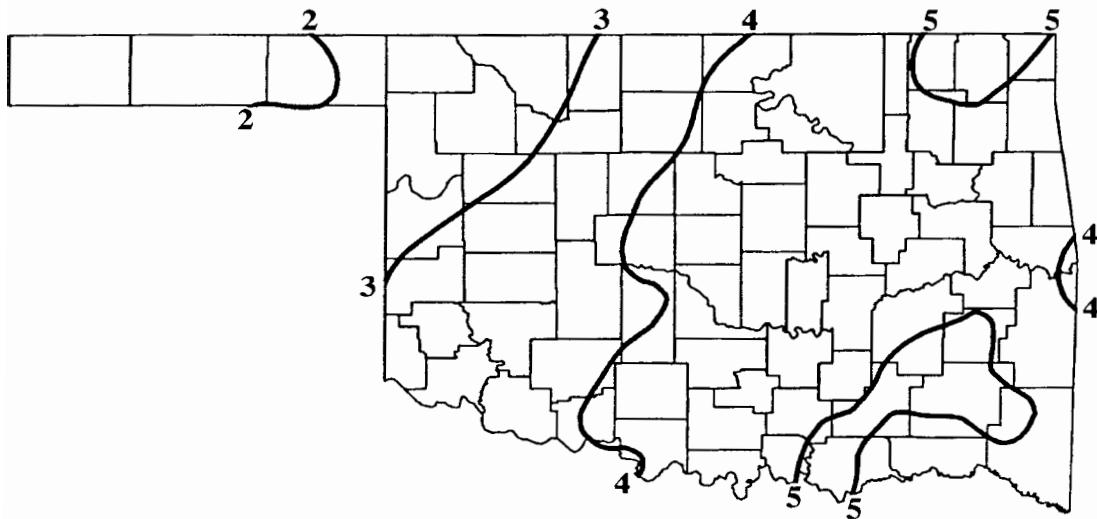
JULY 1999 DEPARTURE FROM NORMAL COOLING DEGREE DAYS (F)



**SEPTEMBER NORMAL DAILY MAXIMUM TEMPERATURE (F)**



**SEPTEMBER NORMAL DAILY MINIMUM TEMPERATURE (F)**

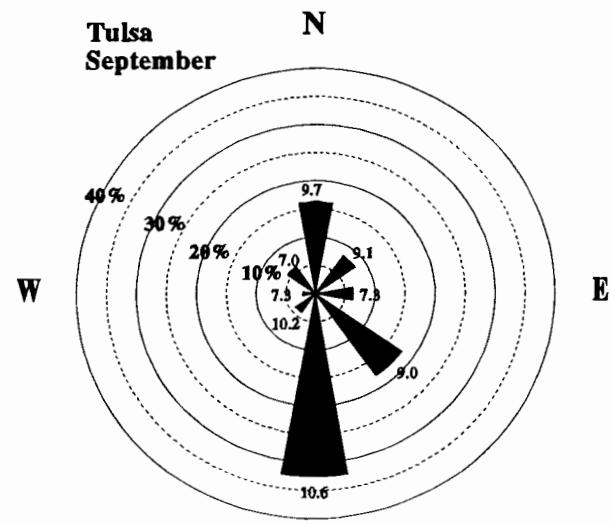
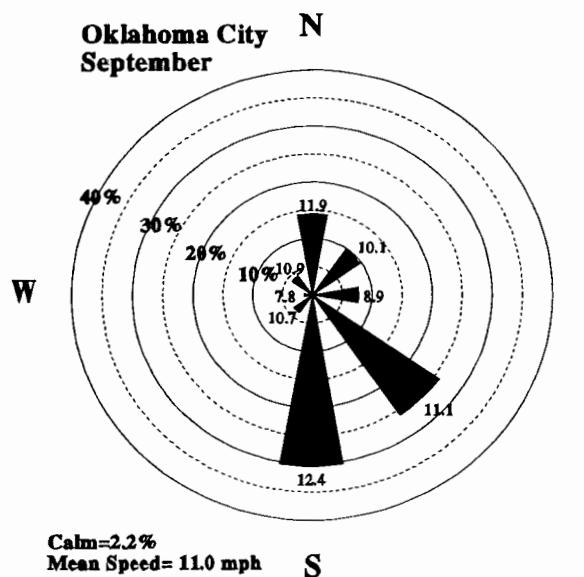


### SEPTEMBER NORMAL MONTHLY PRECIPITATION (INCHES)

### OUTLOOK FOR SEPTEMBER 1999 THROUGH NOVEMBER 1999 BASED ON SEASONAL OUTLOOK PROVIDED BY THE CLIMATE PREDICTION CENTER

TEMPERATURE: BELOW NORMAL TEMPERATURE NORTHEAST CORNER OF STATE  
NORMAL TEMPERATURE ELSEWHERE

PRECIPITATION: NORMAL PRECIPITATION STATEWIDE



**September Wind Roses for Oklahoma City and Tulsa.** The frequency (percent) of winds from each direction is represented by length of its bar. The numbers at the ends of the bars indicate the average wind speed from that direction in miles per hour.

### SEPTEMBER SUNRISE/SUNSET TIMES FOR 1999

ALL TIMES ARE CENTRAL STANDARD TIME

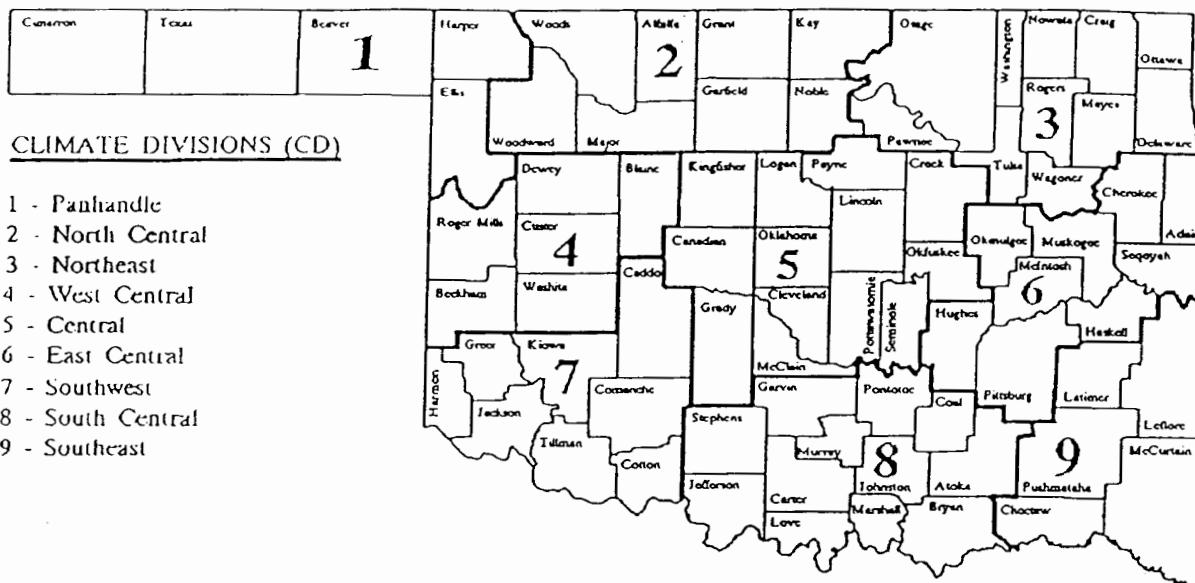
#### OKLAHOMA CITY

DATE	SUNRISE	SUNSET
9/1/99	602	1858
9/2/99	603	1856
9/3/99	604	1855
9/4/99	604	1853
9/5/99	605	1852
9/6/99	606	1851
9/7/99	607	1849
9/8/99	607	1848
9/9/99	608	1846
9/10/99	609	1845
9/11/99	610	1843
9/12/99	610	1842
9/13/99	611	1841
9/14/99	612	1839
9/15/99	613	1838
9/16/99	613	1836
9/17/99	614	1835
9/18/99	615	1833
9/19/99	616	1832
9/20/99	616	1830
9/21/99	617	1829
9/22/99	618	1827
9/23/99	619	1826
9/24/99	619	1824
9/25/99	620	1823
9/26/99	621	1822
9/27/99	622	1820
9/28/99	622	1819
9/29/99	623	1817
9/30/99	624	1816

#### TULSA

DATE	SUNRISE	SUNSET
9/1/99	555	1852
9/2/99	556	1850
9/3/99	557	1849
9/4/99	557	1848
9/5/99	558	1846
9/6/99	559	1845
9/7/99	600	1843
9/8/99	601	1842
9/9/99	601	1840
9/10/99	602	1839
9/11/99	603	1837
9/12/99	604	1836
9/13/99	604	1834
9/14/99	605	1833
9/15/99	606	1832
9/16/99	607	1830
9/17/99	608	1829
9/18/99	608	1827
9/19/99	609	1826
9/20/99	610	1824
9/21/99	611	1823
9/22/99	611	1821
9/23/99	612	1820
9/24/99	613	1818
9/25/99	614	1817
9/26/99	615	1815
9/27/99	615	1814
9/28/99	616	1812
9/29/99	617	1811
9/30/99	618	1809

## 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.

**OKLAHOMA CITY CLIMATE CALENDAR**  
DATA COURTESY OF NATIONAL WEATHER SERVICE NORMAN

**SEPTEMBER**

The data on this calendar is for Oklahoma City.  
Normal values are calculated for the period 1961-1990.  
Temperature extremes are for the period 1891-1997.  
Precipitation extremes are for the period 1891-1997.

-20-

Day	Avg. Temp	Avg. High	Record High	High Year	Lowest Max	Max Year	Avg. Low	Highest Min	Year	Record Low	Year	1999	Avg. Ppt.	Greatest Ppt.	Year	1999
1	78.1	89.8	105	1951	69	1994	66.4	80	1951	53	1956	0.15	2.53	1974		
2	77.4	88.5	105	1951	68	1967	66.4	78	1961	52	1974	0.12	4.08	1991		
3	77.8	89.8	105	1947	71	1974	65.8	80	1939	47	1974	0.25	3.16	1926		
4	77.5	88.7	106	1947	66	1961	66.4	79	1970	46	1974	0.07	1.74	1940		
5	77.3	88.5	103	1931	64	1962	66.1	77	1939	47	1974	0.05	1.65	1992		
6	77.6	89.2	106	1947	71	1918	66.0	76	1970	51	1974	0.03	2.20	1895		
7	77.1	88.2	102	1936	66	1962	66.0	77	1936	49	1898	0.07	1.37	1905		
8	76.5	88.1	101	1922	73	1995	65.0	80	1896	48	1957	0.03	3.16	1993		
9	76.0	87.5	99	1970	67	1929	64.6	77	1896	51	1962	0.06	1.88	1891		
10	74.9	86.3	101	1936	64	1929	63.6	77	1938	47	1962	0.09	2.40	1925		
11	75.2	87.0	100	1909	60	1898	63.4	77	1936	48	1940	0.04	2.36	1906		
12	74.3	85.2	102	1930	64	1989	63.3	78	1930	45	1898	0.22	3.03	1961		
13	72.8	83.9	102	1965	53	1989	61.8	78	1978	45	1902	0.18	1.88	1985		
14	72.7	83.3	102	1965	58	1975	62.1	77	1965	47	1993	0.20	3.61	1957		
15	72.8	83.2	100	1965	57	1903	62.5	76	1956	44	1993	0.12	2.35	1925		
16	72.9	83.6	101	1978	59	1903	62.2	76	1965	44	1993	0.12	1.97	1991		
17	72.2	82.3	99	1972	58	1973	62.2	78	1978	44	1903	0.14	1.42	1936		
18	73.2	84.5	99	1952	53	1971	62.0	78	1978	42	1981	0.09	3.10	1923		
19	73.2	83.9	98	1954	56	1971	62.5	76	1978	44	1971	0.07	1.81	1942		
20	72.5	83.8	100	1954	52	1896	61.1	76	1954	41	1971	0.17	3.82	1990		
21	71.1	81.6	97	1980	59	1995	60.7	76	1931	39	1983	0.14	2.04	1990		
22	71.0	82.3	96	1956	58	1995	59.8	76	1931	41	1995	0.27	7.53	1970		
23	70.0	81.1	97	1931	58	1925	59.0	75	1931	38	1995	0.06	1.47	1988		
24	69.4	80.4	98	1939	56	1974	58.3	74	1958	36	1989	0.17	3.87	1959		
25	69.8	80.9	97	1939	53	1926	58.7	74	1933	41	1989	0.06	1.41	1893		
26	69.3	80.3	98	1977	46	1926	58.2	72	1923	35	1912	0.15	1.74	1973		
27	69.5	80.5	96	1953	47	1927	58.5	72	1923	38	1942	0.11	1.75	1936		
28	69.0	80.0	104	1953	53	1984	58.0	73	1977	37	1896	0.05	2.88	1945		
29	68.3	79.8	98	1953	47	1945	56.9	71	1933	39	1916	0.10	2.90	1986		
30	67.2	79.2	100	1977	54	1985	55.1	72	1977	36	1895	0.09	1.79	1986		
MONTH	73.2	84.4	106	1947	46	1926	62.1	80	1951	35	1912	3.47	7.53	1970		

\*The most tornadoes reported in September for Oklahoma was 16 in 1992.

TULSA CLIMATE CALENDAR  
DATA COURTESY OF NATIONAL WEATHER SERVICE TULSA

SEPTEMBER

The data on this calendar is for Tulsa.  
Normal values are calculated for the period 1961-1990.  
Temperature extremes are for the period 1905-1998.  
Precipitation extremes are for the period 1888-1998.

Day	Avg. Temp	Avg. High	Record High	High Year	Lowest Max	Year	Avg. Low	Highest Min	Year	Record Low	Year	1999 Avg. Ppt.	Greatest Ppt. Year	1999
1	78	88	105	1985	48	1967	68	79	1936	69	1994	0.14	2.24	1974
2	78	88	109	1939	51	1974	67	82	1936	68	1974	0.14	2.38	1934
3	77	88	109	1939	47	1974	67	82	1995	70	1974	0.14	3.27	1962
4	77	87	107	1998	46	1974	67	79	1947	66	1967	0.15	6.39	1940
5	77	87	107	1913	49	1974	67	79	1985	70	1962	0.15	1.62	1926
6	76	87	107	1907	52	1974	66	80	1998	69	1962	0.15	4.05	1971
7	76	86	106	1936	50	1918	66	79	1985	65	1986	0.15	1.90	1905
8	76	86	103	1925	50	1956	66	78	1983	66	1995	0.16	2.26	1941
9	75	86	102	1909	51	1943	65	76	1991	70	1941	0.16	2.67	1951
10	75	85	105	1936	48	1968	65	75	1991	72	1940	0.16	1.40	1905
11	75	85	103	1909	45	1940	65	79	1936	72	1940	0.16	2.18	1925
12	75	85	102	1930	48	1959	65	78	1936	68	1989	0.16	1.75	1989
13	74	84	103	1965	49	1960	64	78	1936	55	1989	0.16	2.45	1993
14	74	84	103	1965	46	1961	64	78	1931	57	1989	0.16	2.15	1957
15	74	84	103	1956	42	1993	63	79	1956	60	1949	0.16	2.87	1962
16	73	83	103	1956	44	1993	63	77	1956	66	1996	0.17	5.78	1971
17	73	83	104	1931	44	1981	63	79	1978	61	1971	0.17	1.76	1923
18	73	83	100	1952	42	1981	62	80	1978	56	1971	0.17	2.39	1971
19	72	83	100	1954	45	1991	62	79	1954	58	1971	0.17	4.30	1974
20	72	82	102	1954	39	1938	62	81	1910	64	1995	0.16	1.98	1915
21	72	82	98	1980	38	1918	61	78	1980	57	1995	0.16	3.50	1902
22	71	81	99	1921	37	1995	61	75	1931	58	1995	0.16	3.78	1970
23	71	81	101	1931	37	1995	60	74	1931	60	1994	0.16	2.25	1997
24	70	81	99	1931	37	1989	60	76	1958	58	1974	0.16	2.33	1945
25	70	81	99	1939	43	1926	60	75	1986	58	1913	0.16	2.07	1959
26	70	80	96	1938	37	1912	59	73	1998	48	1926	0.16	2.37	1996
27	70	80	96	1954	35	1942	59	73	1977	51	1926	0.15	2.94	1920
28	69	80	102	1953	38	1908	58	73	1986	55	1984	0.15	1.93	1945
29	68	79	98	1953	37	1916	58	73	1955	55	1945	0.15	4.45	1986
30	68	79	99	1979	35	1984	57	72	1977	59	1959	0.15	1.85	1959
MONTH	73.3	83.6	109	1939	35	1984	63	82	1995	48	1926	0.16	6.39	1940

\*The average number of tornadoes reported in September for Oklahoma is 2.1.