

**OKLAHOMA
MONTHLY SUMMARY
REVISED
JULY 2000**

TABLE OF CONTENTS

July 2000 Oklahoma Summary.....	2
Table of July 1999/2000 Comparisons.....	5
July 2000 Data Summary Tables.....	6
July 2000 Mesonet Summary.....	11
July 2000 State Map Summary.....	12
July Climatological Normals.....	15
90 - Day National Weather Service Outlook.....	16
September Wind Roses – September 2000 Sunrise/Sunset Tables.....	17
Explanation of Tables.....	18
September Oklahoma City Climate Calendar.....	20
September Tulsa Climate Calendar.....	21

MONTHLY SUMMARY FOR JULY 2000

Oklahoma's statewide-averaged temperature was slightly lower than normal and precipitation, when averaged across the state, equaled normal in July. According to preliminary data from the National Weather Service, the average temperature for the month, 81.3 degrees, was 0.8 degree less than normal, ranking this as the state's 45th coolest July since 1892. Precipitation averaged a "normal" 2.62 inches across the state, a total that ranks as the 58th greatest over 109 years of record-keeping. The year 2000 has, thus far, been both warmer and wetter than normal. The state-averaged temperature through the first seven months of the year is 61.0 degrees, 1.3 degrees greater than normal and the 27th greatest January-through-July temperature on record. Statewide-averaged precipitation totals 23.56 inches for the year so far, exceeding the normal figure by 3.24 inches and the 31st largest yet recorded for similar periods.

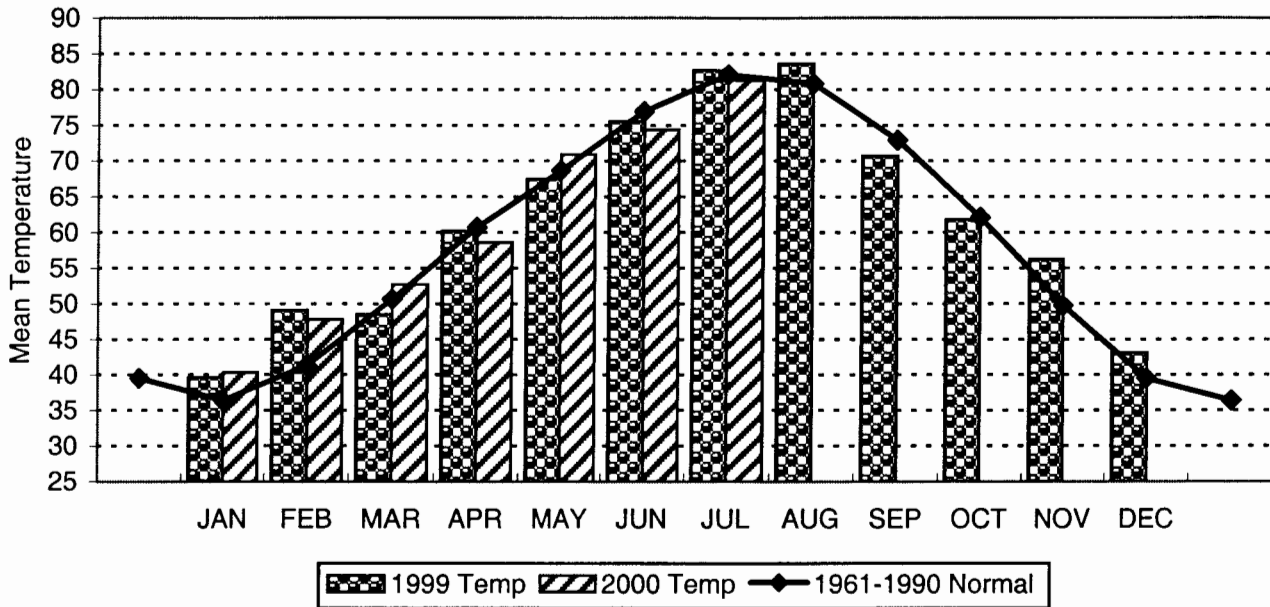
Strong winds, associated with thunderstorms, provided the most significant weather story of the month. Although winds reached severe status (55 miles per hour or greater) on only seven days, a one-two punch of severe thunderstorm winds during the early morning hours of the 21st and 22nd more than made up for the shortage of days. Twenty-three Mesonet sites, led by a recorded 70-mile-per-hour peak wind at the May Ranch site in northern Woods County recorded severe winds on the 21st. The following morning, again during the pre-dawn hours, thirty Mesonet stations recorded peak winds that exceeded the severe criterion. The Freedom site in Woodward County recorded 87 miles per hour. Other Mesonet stations recording over 70 miles per hour were Cherokee (Alfalfa, 85), Lahoma (Major, 80), Alva (Woods, 78), and Kingfisher (Kingfisher, 70). Wind damage to power lines caused power loss to an estimated 65,000 homes in central Oklahoma. Power was not fully restored in some areas until three days after the storms.

Southern, northwestern, and northeastern parts of the state generally reported below average precipitation, counter-balanced by greater-than-normal rainfall elsewhere. Much of the precipitation occurred as locally-heavy rain. Mangum (Greer County) and Oklahoma City (Oklahoma) each reported more than three inches of rain on the 2nd. Kansas (Delaware), Claremore (Rogers), and Catoosa (Rogers) each recorded over three inches during the early hours of the 21st and Dustin and Wetumka (both in Hughes County) recorded over three inches the following night. Catoosa and Allen (Pontotoc) reported 3.01 and 3.00 inches, respectively, on the 29th.

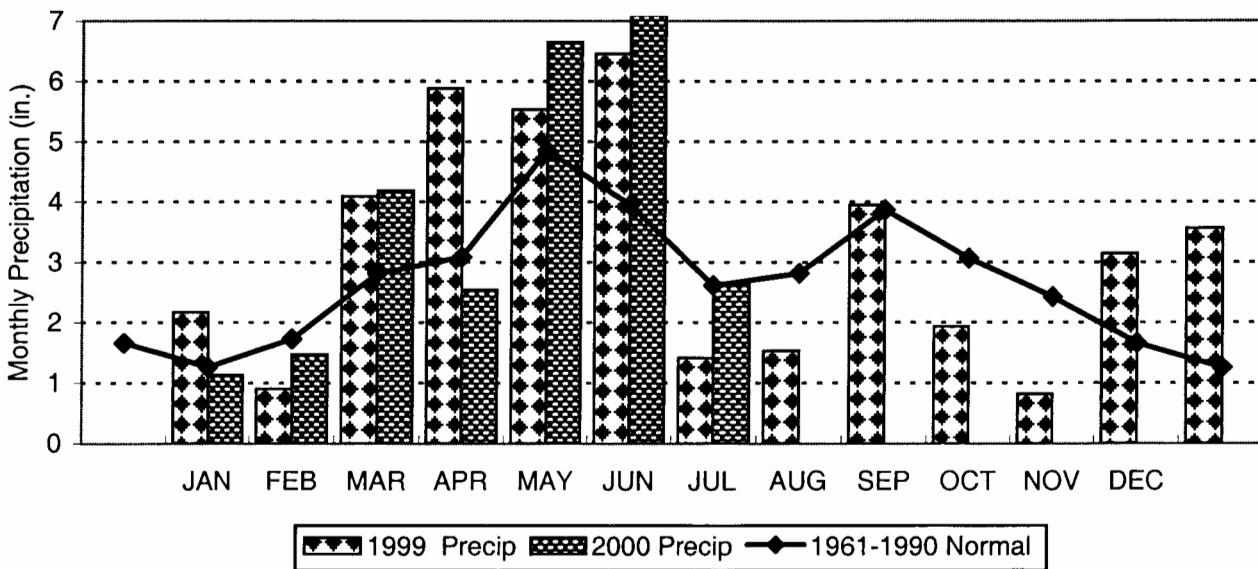
Afternoon high temperatures reached triple digits somewhere in the state daily from the 4th through the 29th. The highest temperature of the month, 109 degrees was reported at Hobart (Kiowa) on the 17th and at Waurika (Jefferson) on the 19th. Smithville (McCurain) reached the month's lowest temperature of 54 degrees on the 24th, a temperature that was matched at Fort Supply (Woodward) on the 31st.

Howard L. Johnson

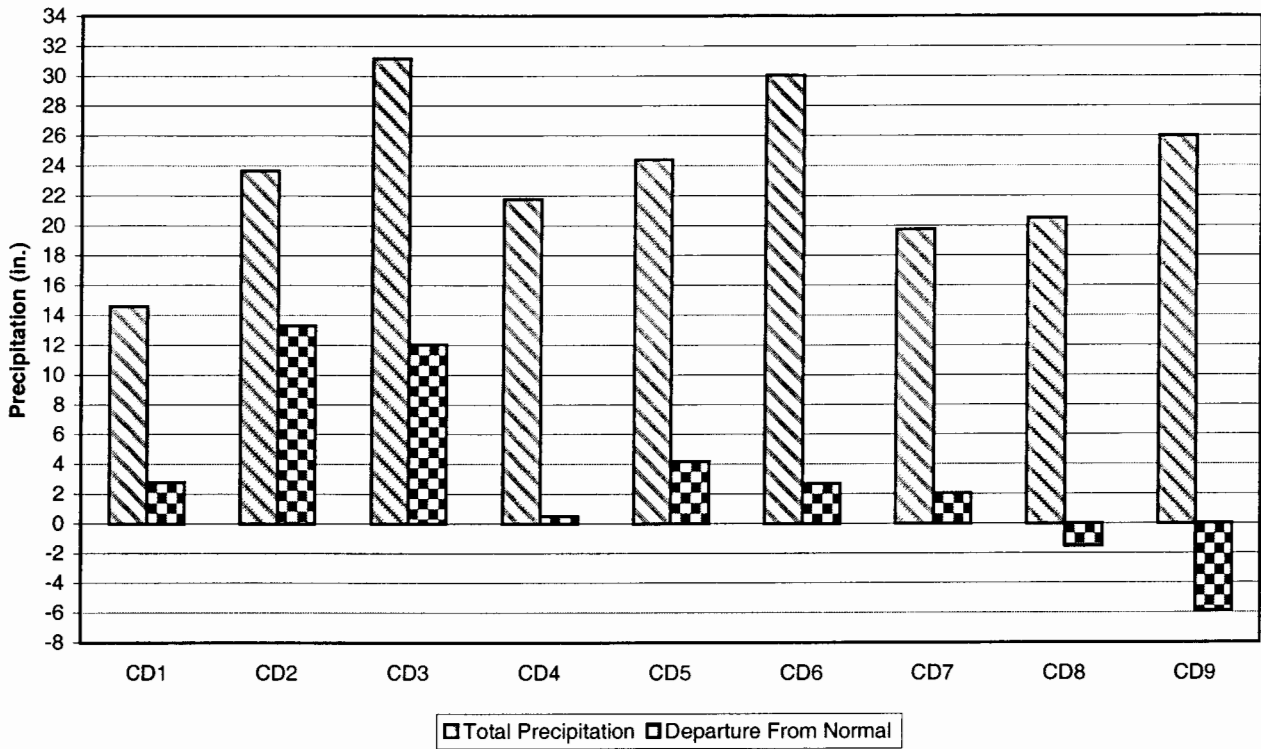
1999 and 2000 STATEWIDE TEMPERATURES Monthly Averages



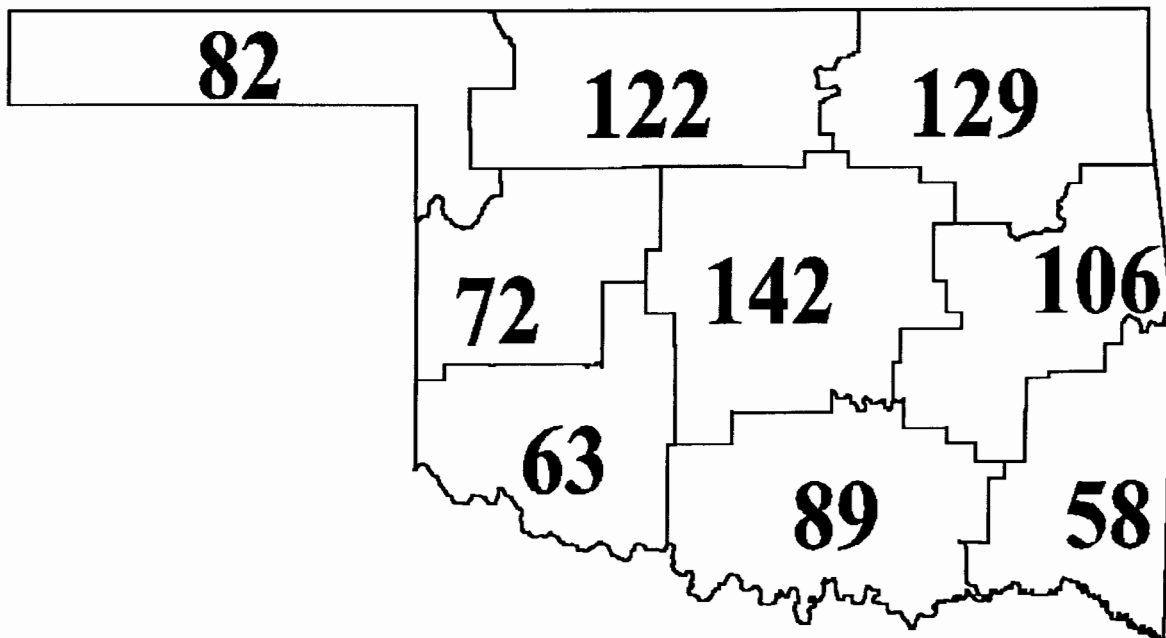
1999 and 2000 STATEWIDE PRECIPITATION Monthly Totals



CD Averaged Precipitation January through July 2000



CD PERCENT OF NORMAL PRECIPITATION JULY 2000



**EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION
JULY, 2000**

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	107	17	BEAVER	57	31	BEAVER	1.85	5	REGNIER	3.92	REGNIER
	107	16	BUFFALO	57	1	KENTON					
				57	26	KENTON					
				57	31	KENTON					
				57	31	TURPIN					
2	107	16	WAYNOKA	54	31	FT SUPPLY	2.01	29	PERRY	5.93	PERRY
3	103	16	UPPER SPAV	58	24	KANSAS	3.80	21	KANSAS	6.58	TULSA
				58	24	RALSTON					
4	107	16	TALOGA	57	31	HAMMON	1.71	21	CANTON DAM	2.68	WATONGA
5	103	18	CHICKASHA	53	31	GUTHRIE	3.16	2	OKLAHOMA CTY	5.73	WELTY
6	104	19	EUFAULA	54	1	STILWELL	3.20	22	DUSTIN	6.61	DUSTIN
	104	16	HOLDENVILLE								
	104	17	WEBBERS FALL								
7	109	17	HOBART	59	31	MANGUM	3.30	2	MANGUM	3.30	MANGUM
8	109	19	WAURIKA	60	24	PAULS VALLEY	3.00	28	ALLEN	4.48	ALLEN
9	105	19	TUSKAHOMA	54	24	SMITHVILLE	2.27	22	WILBURTON	3.81	BENGAL
				54	25	SMITHVILLE					

TABLE OF 1999/2000 COMPARISONS

**JULY
Temperature (°F)**

**JULY
Precipitation (in.)**

Station	1999	2000	1999	2000
Arnett	79.5	78.2	2.12	1.18
Enid	85.5	82.5	0.00	2.18
Tulsa	84.4	81.4	0.40	6.58
Elk City	81.1	80.6	1.60	0.77
Oklahoma City	82.2	80.8	1.94	5.25
McAlester	82.8	81.3	0.03	2.34
Altus Irr Station	84.2	84.0	1.73	0.74
Ardmore	84.9	84.0	0.49	2.92
Idabel	****	82.5	****	3.47

EXTREMES

VARIABLE	STATION	DIVISON	OBSERVATION	DATE
Minimum temperature (°F)	Guthrie	5	53	31
Maximum temperature (°F)	Hobart	7	109	17
	Waurika	8	109	19
Maximum 24-hour Precipitation	Kansas	3	3.80"	21

JULY 2000 SUMMARY FOR PANHANDLE DIVISION (CD1)

NAME	ID	CD	MEAN		DEV		MIN			HEAT		DEV		COOL		DEV		TOT	NUM	DEV	
			TEMP	OBS	FROM	MAX	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	NORM	DEG	FROM	NORM			FROM	MAX
ARNETT	332	1	78.2	31	-2.2	100	17	60	22	0	0	411	-67	1.180	31	-0.71	0.43	22			
BEAVER	593	1	82.2	30	1.5	107	17	57	31	0	0	516	29	1.400	30	*****	0.51	23			
BOISE CITY	908	1	78.6	31	0.7	101	24	58	31	0	0	421	21	2.301	31	-0.45	1.07	17			
BUFFALO	1243	1	84.3	31	1.1	107	16	58	23	0	0	599	35	2.150	31	-0.84	0.70	22			
FARGO	3070	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.031	31	-0.01	0.82	11			
GAGE	3407	1	80.6	31	-1.3	102	17	60	31	0	0	485	-40	0.245	31	-1.63	0.14	29			
GATE	3489	1	81.0	31	-0.8	105	17	61	22	0	0	496	-25	2.350	31	-0.08	0.73	18			
GOODWELL	3628	1	81.0	31	2.5	105	27	59	31	0	0	495	76	1.700	31	-0.82	0.62	14			
GUYMON	3835	1	80.4	28	*****	104	17	60	31	0	*****	432	*****	0.030	28	*****	0.03	3			
HOOVER	4298	1	80.4	31	0.4	102	16	59	31	0	0	479	14	1.640	31	-0.65	0.80	18			
KENTON	4766	1	78.6	25	*****	103	24	57	31	0	*****	340	*****	1.200	29	*****	0.65	27			
LAVERNE	5045	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.860	31	0.33	0.78	29			
REGNIER	7534	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.920	31	1.58	1.85	5			
TURPIN	9017	1	81.7	20	*****	105	17	57	31	0	*****	334	*****	2.760	20	*****	1.02	18			

JULY 2000 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

NAME	ID	CD	MEAN		DEV		MIN			HEAT		DEV		COOL		DEV		TOT	NUM	DEV	
			TEMP	OBS	FROM	MAX	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	NORM	DEG	FROM	NORM			FROM	MAX
ALVA	193	2	83.4	31	*****	102	16	66	31	0	*****	572	*****	2.660	31	*****	1.51	21			
VANCE AFB	302	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.013	31	*****	1.66	23			
BILLINGS	755	2	80.8	31	-2.5	101	19	62	24	0	0	490	-77	3.702	31	0.57	1.30	21			
BLACKWELL	806	2	80.4	31	*****	101	17	62	25	0	*****	478	*****	3.360	31	*****	1.54	21			
BRAMAN	1075	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.300	31	*****	1.25	21			
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.841	31	*****	1.65	21			
CHEROKEE	1724	2	82.5	29	*****	106	18	62	21	0	*****	509	*****	2.180	29	*****	1.24	22			
ENID	2912	2	82.8	31	-0.5	104	17	63	24	0	0	553	-15	3.841	31	1.08	1.53	21			
FT SUPPLY	3304	2	80.6	23	*****	102	16	54	31	0	*****	359	*****	1.810	24	*****	1.30	26			
FREEDOM	3358	2	78.1	8	*****	97	27	61	31	0	*****	105	*****	2.240	10	*****	1.39	21			
GREAT SALT P	3740	2	82.6	30	-0.4	106	17	63	24	0	0	528	-30	2.090	31	-0.60	1.40	21			
HARDY	3909	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.840	31	*****	1.10	25			
HELENA	4019	2	81.3	31	-0.6	105	17	62	24	0	0	505	-19	4.091	31	1.47	2.00	22			
JEFFERSON	4573	2	81.8	30	-1.7	105	15	62	31	0	0	506	-69	2.711	30	*****	1.57	21			
LAMONT	5013	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.600	31	*****	1.56	21			
MEDFORD	5768	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.972	31	*****	1.96	20			
MORRISON	6065	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.310	31	*****	1.81	21			
MUTUAL	6139	2	80.5	31	-1.3	106	17	59	22	0	0	480	-42	2.590	31	0.24	1.12	21			
NEWKIRK	6278	2	79.6	31	-2.9	101	17	60	1	0	0	453	-91	3.790	31	0.51	0.96	21			
ORIENTA	6751	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.310	31	0.71	1.59	21			
PERRY	7012	2	82.5	31	-0.2	102	20	64	24	0	0	543	-6	5.933	31	2.84	2.01	29			
PONCA CITY	7201	2	82.9	30	0.4	103	13	63	25	0	0	538	-5	3.091	31	-0.61	0.90	26			
RED ROCK	7505	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.240	31	0.35	1.43	20			
WAYNOKA	9404	2	84.1	31	0.9	107	16	60	1	0	0	591	27	2.800	31	0.37	2.00	20			
WOODWARD	9760	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.272	31	-0.32	1.05	21			

JULY 2000 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	CD	MEAN		DEV		MAX	MIN			HEAT		DEV		COOL		DEV		TOT	NUM	DEV	
			TEMP	NUM	FROM	NORM		TEMP	DAY	TEMP	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	NORM			PPT	OBS
BARNSDALL	535	3	80.6	31	-1.6	100	16	61	24	0	0	483	-50	4.681	31	1.75	3.15	29				
BARTLESVILLE	548	3	80.3	31	-1.8	102	16	59	24	0	0	474	-56	2.521	31	-0.08	1.10	21				
BIXBY	782	3	80.3	31	-0.7	101	16	62	24	0	0	475	-22	4.980	31	2.11	2.01	20				
BURBANK	1256	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.931	31	-1.31	0.75	21				
CHELSEA	1717	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.220	31	*****	2.12	21				
CLAREMORE	1828	3	79.8	30	-1.4	99	20	62	26	0	0	444	-58	6.560	30	*****	3.24	21				
CLEVELAND 2	1902	3	78.6	28	*****	95	16	60	24	0	*****	382	*****	3.660	29	*****	2.37	22				
FORAKER	3250	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.830	31	-1.24	0.78	21				
HOLLOW	4258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.600	31	0.44	1.49	21				
HOMINY	4289	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.231	31	0.16	1.55	21				
KANSAS	4672	3	78.3	25	*****	96	19	58	24	0	*****	332	*****	5.572	26	*****	3.80	21				
LENAPAH	5118	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.190	31	*****	0.70	22				
MANNFORD	5522	3	80.4	31	-1.6	100	16	62	24	0	0	478	-50	4.350	31	1.58	2.67	21				
MARAMEC	5540	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.760	31	1.97	1.94	21				
NOWATA	6485	3	80.2	31	-1.7	98	17	61	24	0	0	471	-54	2.660	31	-0.17	1.24	21				
PAWHUSKA	6935	3	80.3	31	-1.3	99	16	60	24	0	0	475	-41	2.352	31	-0.83	0.70	21				
PAWNEE	6940	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.390	31	0.66	1.45	21				
PRYOR	7309	3	78.7	25	*****	98	20	61	25	0	*****	344	*****	4.692	25	*****	2.21	21				
RALSTON	7390	3	79.6	31	-2.3	99	16	58	24	0	0	454	-71	3.101	31	0.16	1.73	21				
SKIATOOK	8258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.990	31	0.85	1.65	29				
SPAVINAW	8380	3	81.0	31	-1.0	97	20	63	24	0	0	496	-31	4.190	31	1.17	1.79	29				
TULSA	8992	3	81.4	31	-1.9	102	16	64	24	0	0	509	-58	6.583	31	3.49	2.85	21				
UPPER SPAV	9101	3	82.0	31	*****	103	16	60	24	0	*****	528	*****	5.661	31	*****	3.00	29				
VINITA	9203	3	80.7	20	*****	95	17	64	3	0	*****	314	*****	5.210	22	*****	2.27	31				
WAGONER	9247	3	82.2	25	*****	100	16	62	25	0	*****	430	*****	4.010	27	*****	1.10	29				
WANN	9298	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.861	31	*****	0.90	21				
WYONONA	9792	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.522	31	*****	1.67	29				

JULY 2000 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	CD	MEAN		DEV		MAX	MIN			HEAT		DEV		COOL		DEV		TOT	NUM	DEV	
			TEMP	NUM	FROM	NORM		TEMP	DAY	TEMP	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	NORM			PPT	OBS
CANTON DAM	1445	4	82.1	31	0.0	104	17	60	24	0	0	530	0	2.470	31	0.12	1.71	21				
CLINTON	1909	4	81.7	30	-2.1	105	16	62	30	0	0	501	-82	0.721	30	*****	0.33	22				
COLONY	2039	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.801	31	*****	0.45	28				
CORDELL	2125	4	81.7	31	-1.5	105	17	63	31	0	0	518	-47	0.821	31	-1.11	0.42	29				
ELK CITY	2849	4	80.6	31	-1.3	103	17	62	23	0	0	483	-41	0.770	31	-1.12	0.29	29				
ERICK	2944	4	80.1	31	-1.6	101	17	60	31	0	0	468	-51	0.740	31	-0.95	0.20	13				
GEARY	3497	4	80.3	31	-1.9	101	18	63	31	0	0	475	-59	2.230	31	0.17	0.95	21				
HAMMON	3871	4	80.1	30	-1.9	102	16	57	31	0	0	453	-74	0.351	30	*****	0.11	21				
LEEDEY	5090	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.870	31	0.09	1.05	22				
MACKIE	5463	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.130	31	*****	1.20	12				
MORAVIA	6035	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.631	31	-1.13	0.45	2				
OKEENE	6629	4	82.2	31	-1.3	105	16	62	24	0	0	535	-40	1.551	31	-0.81	0.89	21				
RETROP	7565	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.000	31	*****	0.65	2				
REYDON	7579	4	80.8	20	*****	98	17	63	21	0	*****	316	*****	1.010	20	*****	0.63	13				
SAYRE	7952	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.530	31	-1.14	0.37	2				
SWEETWATER	8652	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.631	31	*****	0.63	29				
TALOGA	8708	4	80.8	31	-1.2	107	16	60	23	0	0	489	-38	2.592	31	0.36	0.86	21				
THOMAS	8815	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.460	31	*****	0.76	22				
VICI	9172	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.150	31	-0.01	1.05	20				
WATONGA	9364	4	81.5	31	-0.9	101	18	63	24	0	0	513	-26	2.681	31	0.41	1.64	21				

JULY 2000 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	CD	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	****	0	****	****	0	****	0	*****	*****	*****	*****	1.570	31	*****	0.70	22
ARCADIA	288	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.340	31	*****	1.52	22
BLANCHARD	830	5	81.0	31	-1.6	100	18	55	26	0	0	497	-49	1.771	31	-0.80	0.75	22
BRISTOW	1144	5	80.5	31	-1.5	99	20	59	24	0	0	482	-46	3.430	31	0.69	2.12	21
CHANDLER	1684	5	80.4	31	-2.1	100	20	63	25	0	0	478	-66	4.870	31	2.16	1.82	22
CHICKASHA EXP	1750	5	82.3	31	-0.6	103	18	62	24	0	0	535	-20	1.871	31	-0.22	1.11	22
COX CITY	2196	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.320	31	*****	1.10	22
CRESCENT	2242	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.960	31	*****	1.45	2
CUSHING	2318	5	80.8	31	-1.1	100	17	58	26	0	0	490	-35	5.022	31	1.90	2.55	21
EDMOND	2788	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.850	31	*****	1.45	21
EL RENO	2818	5	81.5	31	-0.8	100	20	63	31	0	0	510	-26	2.110	31	-0.17	0.93	21
GUTHRIE	3821	5	78.0	31	-5.3	99	17	53	31	0	0	403	-164	4.061	31	1.73	1.80	21
HENNESSEY	4055	5	82.8	26	****	102	19	62	14	0	*****	463	*****	1.610	27	*****	1.00	21
INGALLS	4489	5	****	0	****	****	0	****	0	*****	*****	*****	*****	4.591	31	*****	2.21	21
KINGFISHER	4862	5	82.0	31	****	102	19	63	31	0	*****	526	*****	3.310	31	*****	1.14	21
KONAWA	4915	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.890	31	1.87	2.00	27
MARSHALL	5589	5	****	0	****	****	0	****	0	*****	*****	*****	*****	4.770	31	2.50	1.74	29
MEEKER	5779	5	77.3	30	-4.6	98	20	58	25	0	0	369	-156	3.660	31	1.41	1.48	22
MULHALL	6110	5	****	0	****	****	0	****	0	*****	*****	*****	*****	4.460	31	*****	1.72	21
NORMAN NWS	6386	5	79.7	31	-2.5	98	18	61	21	0	0	455	-78	4.420	31	1.66	2.45	2
OKEMAH	6638	5	82.1	31	0.5	101	19	64	24	0	0	531	16	4.010	31	0.85	1.35	21
OKLAHOMA CTY	6659	5	****	0	****	****	0	****	0	*****	*****	*****	*****	5.024	31	*****	1.84	3
OKLAHOMA CTY	6661	5	80.8	31	-1.2	99	19	63	24	0	0	490	-38	5.252	31	2.64	3.16	2
PERKINS	7003	5	****	0	****	****	0	****	0	*****	*****	*****	*****	4.460	31	1.80	2.00	21
PIEDMONT	7068	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.580	31	*****	1.11	22
PRAGUE	7264	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.592	31	-0.37	1.13	22
PURCELL	7327	5	80.2	31	-2.6	100	21	54	28	0	0	472	-81	2.451	31	-0.31	0.76	22
SEMINOLE	8042	5	80.7	31	-2.7	102	19	62	24	0	0	487	-84	4.070	31	1.55	1.40	21
SHAWNEE	8110	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.060	31	0.89	2.38	22
STILLWATER	8501	5	80.9	31	-0.7	102	20	64	24	0	0	492	-23	5.141	31	2.24	2.03	21
STROUD	8563	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.381	31	*****	1.12	21
TECUMSEH	8751	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.710	31	*****	1.20	22
TROUSDALE	8960	5	80.1	31	****	101	20	59	24	0	*****	468	*****	2.750	31	*****	1.01	22
UNION CITY	9086	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.652	31	0.35	0.80	2
WELTY	9479	5	****	0	****	****	0	****	0	*****	*****	*****	*****	5.730	31	*****	1.78	22
WEWOKA	9575	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.260	31	0.89	1.21	28

JULY 2000 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	CD	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
ASHLAND	364	6	****	0	****	****	0	****	0	*****	*****	*****	*****	2.530	31	*****	1.20	23
CALVIN	1391	6	****	0	****	****	0	****	0	*****	*****	*****	*****	2.200	31	-0.87	0.75	21
CHECOTAH	1711	6	****	0	****	****	0	****	0	*****	*****	*****	*****	2.210	31	-0.83	1.35	21
CLAYTON	1858	6	****	0	****	****	0	****	0	*****	*****	*****	*****	2.570	31	*****	1.20	23
DEWAR	2485	6	****	0	****	****	0	****	0	*****	*****	*****	*****	3.721	31	0.34	1.02	21
DUSTIN	2690	6	****	0	****	****	0	****	0	*****	*****	*****	*****	6.611	31	*****	3.20	22
EUFAULA	2993	6	82.9	31	-0.4	104	19	64	24	0	0	554	-14	4.120	31	0.83	2.10	22
HANNA	3884	6	80.5	31	-1.3	101	20	62	24	0	0	481	-40	5.081	31	2.27	2.16	22
HASKELL	3956	6	****	0	****	****	0	****	0	*****	*****	*****	*****	2.480	31	-0.13	1.55	20
HOLDENVILLE	4235	6	81.1	31	-0.8	104	16	61	24	0	0	501	-24	2.583	31	-0.20	1.05	21
LAKE EUFAULA	4975	6	81.8	16	****	97	17	67	1	0	*****	270	*****	2.221	29	*****	1.03	21
LYONS	5437	6	****	0	****	****	0	****	0	*****	*****	*****	*****	1.430	31	-1.48	0.65	21
MARBLE CITY	5546	6	****	0	****	****	0	****	0	*****	*****	*****	*****	1.850	31	*****	0.70	23
MCALESTER	5664	6	81.3	31	-0.6	102	19	63	24	0	0	504	-20	2.342	31	-0.33	1.20	22
MCCURTAIN	5693	6	82.2	31	-0.2	103	19	60	24	0	0	534	-6	1.562	31	-1.61	0.98	21
MUSKOGEE	6130	6	79.6	31	-2.6	99	19	61	25	0	0	454	-80	2.151	31	-0.49	0.75	27
OKMULGEE	6670	6	80.8	31	0.1	101	16	62	24	0	0	489	2	3.670	31	0.98	1.70	27
OKTAHA	6678	6	****	0	****	****	0	****	0	*****	*****	*****	*****	2.090	31	*****	1.07	21
SALLISAW	7862	6	80.6	31	-1.2	101	17	61	24	0	0	483	-38	1.730	31	-1.27	0.78	21
SCIOPIO	7979	6	****	0	****	****	0	****	0	*****	*****	*****	*****	3.220	31	*****	1.44	22
SHORT	8170	6	****	0	****	****	0	****	0	*****	*****	*****	*****	1.790	31	*****	0.75	22
STILWELL	8506	6	77.5	31	-2.4	100	16	54	1	0	0	389	-73	3.340	31	0.29	1.09	29
TAHLEQUAH	8677	6	78.4	31	-2.1	96	16	58	24	0	0	415	-66	3.852	31	0.87	1.17	30
WEBBERS FALL	9445	6	80.9	30	-0.8	104	17	60	25	0	0	478	-40	1.500	30	*****	0.78	21
WETUMKA	9571	6	****	0	****	****	0	****	0	*****	*****	*****	*****	5.424	31	2.50	3.04	22

JULY 2000 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	CD	DEV							HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY									
ALTUS	179	7	84.0	31	-0.5	107	17	62	31	0	0	589	-16	0.740	31	-1.02	0.64	2
ALTUS DAM	184	7	85.8	31	1.6	108	17	63	31	0	0	646	51	1.510	31	-0.40	1.04	3
ANADARKO	224	7	80.2	28	*****	100	20	60	31	0	*****	427	*****	1.430	29	*****	0.96	22
APACHE	260	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.020	31	-1.01	0.60	22
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.021	31	*****	0.02	26
CARNEGIE	1504	7	82.3	31	-1.1	104	18	63	29	0	0	538	-33	2.071	31	0.07	0.96	22
CHATTANOOGA	1706	7	84.8	28	*****	107	20	62	24	0	*****	554	*****	0.450	28	*****	0.25	2
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.961	31	*****	0.86	29
FREDERICK	3353	7	84.0	30	-0.4	107	16	65	30	0	0	569	-32	0.440	30	*****	0.33	1
HEADRICK	3998	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.650	31	*****	0.37	2
HOBART	4204	7	84.3	30	0.6	109	17	62	25	0	0	580	-1	0.950	30	*****	0.46	2
HOLLIS	4249	7	83.3	31	-0.9	107	16	63	31	0	0	567	-28	2.160	31	0.54	1.81	2
LAWTON	5063	7	83.5	31	0.0	104	20	65	22	0	0	573	-2	0.551	31	-1.35	0.30	29
LOOKEBA	5329	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.802	31	-0.09	0.80	22
MANGUM	5509	7	81.9	31	-2.3	105	16	59	31	0	0	524	-72	3.301	31	1.27	3.30	2
RANDLETT	7403	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.660	31	*****	0.57	14
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.921	31	-1.14	0.40	2
SEDAN	8016	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.600	31	*****	0.92	3
SNYDER	8299	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.901	31	-1.16	0.52	29
VINSON	9212	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.870	31	0.24	1.13	14
WALTERS	9278	7	84.1	31	0.0	107	20	63	31	0	0	591	-1	0.290	31	-2.07	0.17	29
WICHITA MT	9629	7	82.3	30	0.1	103	20	60	31	0	0	518	-16	0.932	30	*****	0.37	2
WILLOW	9668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.610	31	*****	0.58	1

JULY 2000 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

NAME	ID	CD	DEV							HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY									
ADA	17	8	81.8	31	-0.4	102	19	62	24	0	0	521	-13	1.801	31	-0.61	0.56	22
ALLEN	147	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.480	31	*****	3.00	28
ARDMORE	292	8	84.0	23	*****	106	19	66	23	0	*****	438	*****	2.920	23	*****	1.19	22
BOKCHITO	917	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.470	31	*****	1.24	23
CANEY	1437	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.320	31	*****	0.93	22
CENTRAHOMA	1648	8	80.6	28	*****	103	20	61	24	0	*****	438	*****	1.900	28	*****	1.10	23
CHICKASAW	1745	8	81.7	25	*****	105	20	61	31	0	*****	418	*****	3.350	26	*****	1.48	28
COLEMAN	2011	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.250	31	*****	0.70	22
COMANCHE	2054	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.550	31	0.60	1.05	2
DAISY	2354	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.590	31	-0.84	1.16	23
DUNCAN	2660	8	82.1	30	-1.0	103	20	65	31	0	0	514	-48	1.611	30	*****	0.89	2
DURANT	2678	8	81.2	31	-1.1	105	20	62	23	0	0	503	-34	0.970	31	-1.32	0.88	21
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.470	31	*****	1.45	22
GRADY	3688	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.380	31	*****	0.21	3
HEALDTON	4001	8	82.6	31	-0.3	107	20	63	31	0	0	546	-10	0.731	31	-1.24	0.35	22
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.860	31	*****	1.15	22
KETCHUM RAN	4780	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.240	31	*****	1.10	2
KINGSTON	4865	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.310	31	-0.80	0.71	27
LEHIGH	5108	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.202	31	*****	1.00	23
LINDSAY	5216	8	80.9	30	-1.8	101	19	62	31	0	0	477	-72	3.340	31	1.28	1.14	2
LOCO	5247	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.380	31	*****	0.16	22
MADILL	5468	8	83.3	31	0.0	106	20	64	25	0	0	568	1	1.791	31	-0.40	0.70	28
MARIETTA 5 S	W 5563	8	82.0	31	-1.2	105	20	61	24	0	0	528	-36	3.290	31	1.18	1.86	28
MARLOW	5581	8	82.7	31	0.4	104	19	61	31	0	0	548	12	1.431	31	-0.89	0.47	2
MCGEE CREEK	5713	8	82.5	30	*****	106	20	63	24	0	*****	525	*****	2.050	31	*****	1.25	22
PAULS VALLEY	6926	8	80.4	31	-2.9	103	20	60	24	0	0	479	-89	1.940	31	-0.32	0.68	28
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.510	31	-0.03	0.90	27
TISHOMINGO	8884	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.480	31	-0.24	1.07	26
TUSSY	9032	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.750	31	*****	0.80	21
WAURIKA	9395	8	85.8	31	1.5	109	19	65	31	0	0	644	46	2.310	31	0.50	1.56	3

JULY 2000 SUMMARY FOR SOUTHEAST DIVISION (CD9)

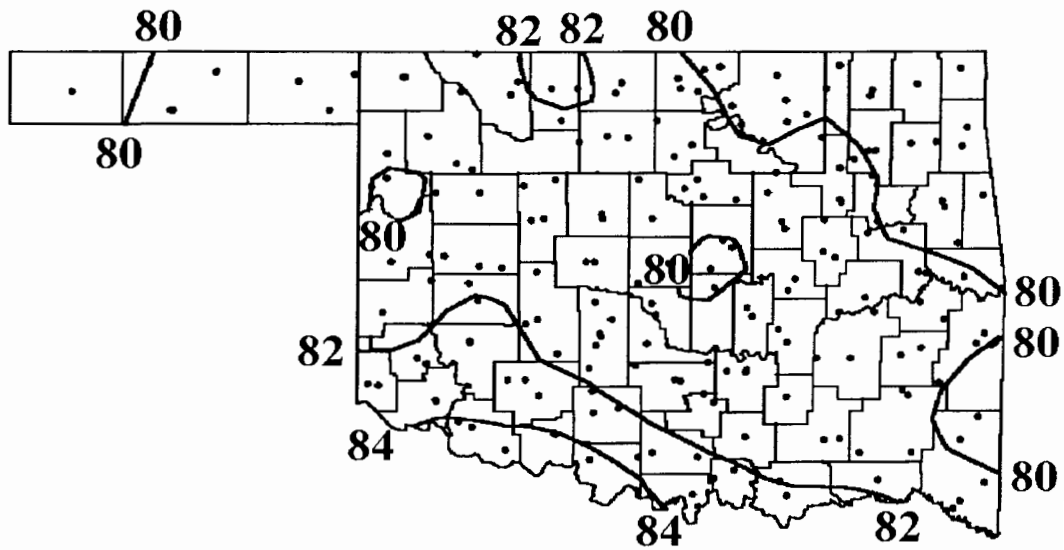
NAME	ID	CD	MEAN		DEV		MIN			HEAT		DEV		COOL		DEV		TOT		DEV	
			TEMP	NUM	FROM	MAX	TEMP	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	NORM	PPT	NUM	FROM	MAX	24-HR	DAY
ANTLERS	256	9	81.3	22	*****	101	19	60	24	0	*****	359	*****	2.120	24	*****	1.07	13			
BATTIEST	567	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.621	31	*****	0.80	22			
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.810	31	*****	2.21	23			
BROKEN BOW	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.570	31	-0.96	1.37	15			
CARNASAW	1499	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.360	31	-2.65	0.49	22			
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.380	31	-2.61	0.80	22			
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.210	31	-0.40	1.85	22			
HEAVENER	4008	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.900	31	-1.54	0.80	21			
IDABEL	4451	9	82.5	31	1.6	101	21	59	25	0	0	543	50	3.470	31	0.13	2.07	2			
PAGE	6842	9	79.7	21	*****	102	20	57	24	0	*****	309	*****	1.850	21	*****	1.41	22			
POTEAU	7254	9	81.0	31	*****	104	19	58	24	0	*****	498	*****	1.822	31	*****	1.05	21			
SMITHVILLE	8285	9	77.7	31	-1.5	99	20	54	25	0	0	393	-47	1.153	31	-3.16	0.52	23			
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.050	31	-2.19	0.41	23			
TUSKAHOMA	9023	9	81.0	31	-0.7	105	19	58	24	0	0	497	-21	2.181	31	-1.53	0.68	23			
VALLIANT	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.700	31	-2.76	0.60	23			
WILBURTON	9634	9	80.6	31	-0.6	104	19	58	24	0	0	484	-19	2.622	31	-1.14	2.27	22			
WISTER	9724	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.670	31	*****	1.33	23			

JULY 2000 CLIMATE DIVISION SUMMARY

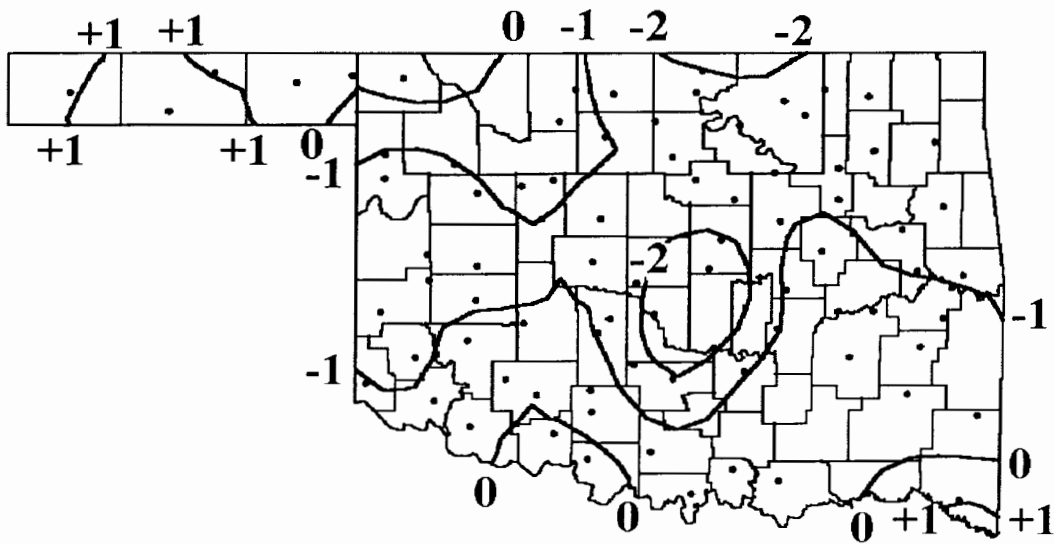
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	TEMP	NUM	FROM	MAX	TEMP	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	NORM	PPT	NUM	FROM	MAX
1	80.8	8	0.6	107	16	57	31	0	0	487	16	2.040	10	-0.45	1.85	5	
2	81.9	12	-0.8	107	16	54	31	0	0	520	-30	3.410	21	0.61	2.01	29	
3	80.5	11	-1.0	103	16	58	24	0	0	480	-33	3.700	21	0.76	3.80	21	
4	81.1	10	-1.2	107	16	57	31	0	0	496	-42	1.470	17	-0.53	1.71	21	
5	80.5	16	-1.8	103	18	53	31	0	0	480	-57	3.530	35	0.98	3.16	2	
6	80.5	11	-1.1	104	17	54	1	0	0	480	-36	2.980	23	0.07	3.20	22	
7	83.5	10	-0.2	109	17	59	31	0	0	569	-12	1.260	18	-0.74	3.30	2	
8	82.3	11	-0.7	109	19	60	24	0	0	532	-26	2.000	26	-0.31	3.00	28	
9	80.6	5	-0.3	105	19	54	25	0	0	483	-9	2.100	15	-1.54	2.27	22	

MESONET MONTHLY SUMMARY FOR JULY 2000

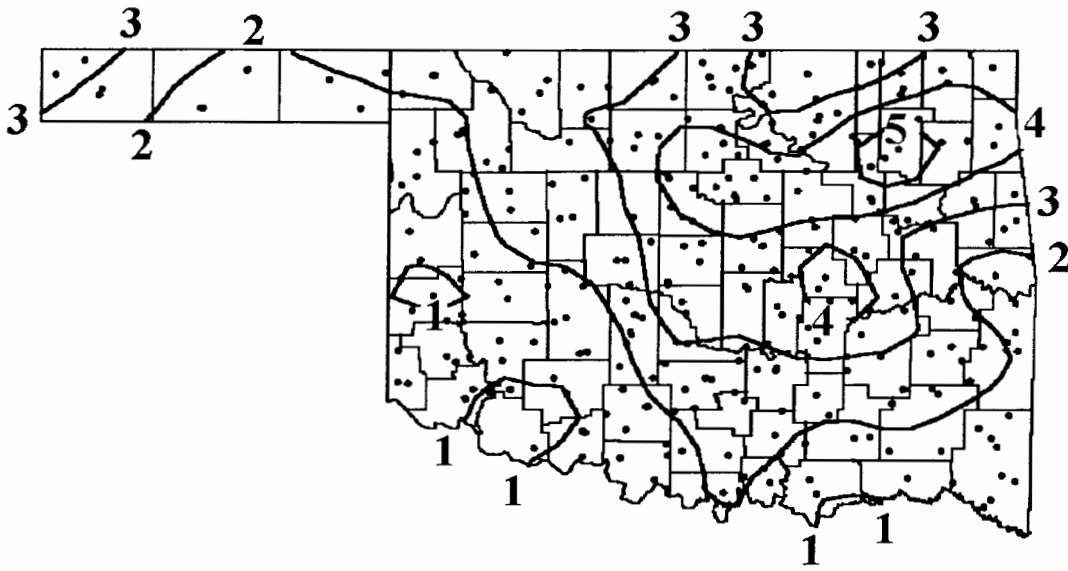
NAME	MEAN MAX			MIN			TOT MAX			NAME	MEAN MAX			MIN			TOT MAX														
	TEMP	TEMP	DAY	TEMP	DAY	HDD	COO	PPT	24-HR		DAY	TEMP	TEMP	DAY	TEMP	DAY	HDD	COO	PPT	24-HR	DAY										
PANHANDLE																															
Arnett	80.0	101	16	61	31	0	466	0.77	0.26	28	Goodwell	80.4	103	16	59	7	0	478	0.76	0.37	11										
Beaver	81.8	106	16	55	31	0	521	2.12	0.49	22	Hooker	81.1	104	16	58	31	0	498	1.73	0.86	17										
Boise City	****	***	**	***	**	****	****	2.65	1.14	17	Kenton	****	***	**	****	**	****	****	3.36	2.20	5										
Buffalo	81.9	106	16	61	14	0	525	2.02	0.66	28	Slapout	81.0	104	16	61	22	0	495	1.10	0.44	22										
NORTH CENTRAL																															
Alva	81.4	105	16	61	31	0	509	2.83	1.01	21	May Ranch	80.6	103	16	60	22	0	484	3.33	1.96	21										
Blackwell	80.2	101	16	61	24	0	470	3.37	1.23	21	Medford	81.8	104	16	63	31	0	519	2.69	1.55	21										
Breckenridge	81.3	103	19	63	24	0	505	4.10	1.38	21	Newkirk	79.3	98	12	61	24	0	442	3.43	1.18	25										
Cherokee	82.6	106	16	63	21	0	546	2.10	1.08	22	Red Rock	80.5	101	19	61	24	0	479	4.85	1.75	21										
Fairview	****	107	16	62	14	****	****	****	****	**	Seiling	81.0	106	16	60	14	0	497	0.45	0.35	29										
Freedom	81.0	104	16	60	22	0	495	2.35	0.82	22	Woodward	80.3	101	16	60	31	0	475	2.05	0.91	22										
Lahoma	81.8	104	16	62	24	0	520	2.39	1.10	22																					
NORTHEAST																															
Bixby	80.2	99	16	62	24	0	472	4.69	2.31	21	Nowata	79.0	99	16	59	24	0	432	2.64	0.62	21										
Burbank	78.7	99	12	59	24	0	398	2.12	0.61	21	Pawnee	****	***	**	***	**	****	****	3.04	1.59	21										
Catoosa	80.5	101	16	63	24	0	480	8.65	3.09	21	Porter	80.3	100	16	62	24	0	475	3.06	0.96	27										
Claremore	79.4	99	16	61	24	0	445	7.57	2.15	27	Pryor	79.3	98	16	60	24	0	442	4.64	1.77	29										
Copan	79.4	99	15	61	23	0	447	2.42	0.69	21	Skiatook	79.6	98	12	62	24	0	453	5.21	2.64	29										
Foraker	78.3	98	12	59	24	0	411	2.08	0.56	21	Vinita	77.9	97	16	59	24	0	400	5.01	2.25	22										
Jay	78.0	97	16	56	24	0	402	4.37	1.92	29	Wynona	79.8	100	16	62	24	0	457	3.35	0.84	29										
Miami	78.3	97	15	58	24	0	412	3.23	1.04	20																					
WEST CENTRAL																															
Bessie	82.6	105	16	63	24	0	544	1.64	0.63	29	Putnam	****	***	**	***	**	****	****	3.06	1.02	22										
Butler	82.1	105	16	60	31	0	531	1.28	0.31	22	Retrop	82.4	104	16	63	31	0	539	0.81	0.26	1										
Camargo	80.0	102	16	59	31	0	464	1.56	0.65	21	Watonga	81.7	102	16	63	21	0	517	2.63	1.15	21										
Cheyenne	80.3	101	16	62	22	0	474	0.66	0.28	29	Weatherford	81.8	105	16	62	22	0	520	3.17	1.35	3										
Erick	80.7	103	16	59	31	0	486	0.65	0.29	29																					
CENTRAL																															
Acme	81.0	100	18	60	31	0	497	1.29	0.88	22	Minco	80.7	99	18	64	22	0	486	1.93	0.67	22										
Bowlegs	80.0	101	19	60	24	0	463	3.45	1.11	27	Ninnekah	82.1	102	18	61	31	0	529	1.92	1.50	22										
Bristow	79.5	99	16	60	24	0	448	3.01	1.38	21	Norman	80.3	100	16	61	24	0	473	4.27	2.52	2										
Chandler	80.0	99	16	62	24	0	465	4.11	1.48	22	Oilton	79.4	99	16	60	24	0	447	4.47	2.25	21										
Chickasha	81.0	102	18	62	24	0	497	1.72	1.07	22	Okemah	79.9	100	16	61	24	0	460	4.83	1.24	27										
El Reno	79.3	98	19	60	14	0	442	2.70	0.85	22	Perkins	81.0	103	16	63	24	0	497	4.73	1.84	21										
Guthrie	81.3	101	19	63	24	0	504	4.54	1.61	2	Shawnee	80.6	102	16	63	22	0	484	2.42	1.39	22										
Kingfisher	82.1	103	16	63	14	0	530	****	****	**	Spencer	80.1	99	19	63	22	0	469	3.32	1.23	22										
Marena	79.7	99	19	61	24	0	455	5.65	1.66	21	Stillwater	80.6	100	16	62	24	0	483	5.45	2.08	21										
Marshall	81.6	103	18	62	24	0	515	5.37	1.39	29	Washington	79.9	98	16	64	22	0	460	4.41	2.90	2										
EAST CENTRAL																															
Calvin	80.6	103	19	61	24	0	483	3.10	1.78	27	Sallisaw	80.7	101	16	60	24	0	488	1.59	0.44	1										
Cookson	78.9	99	16	56	24	0	430	1.84	0.63	29	Stigler	80.7	101	16	60	24	0	485	2.01	0.78	21										
Eufaula	81.1	100	16	63	24	0	499	3.44	1.66	22	Stuart	80.2	101	19	61	24	0	470	2.47	1.06	22										
Haskell	79.8	101	16	62	24	0	459	2.98	1.40	27	Tahlequah	78.1	97	16	58	24	0	407	2.65	1.12	21										
Hectorville	80.4	99	16	63	24	0	476	3.41	1.22	27	Webbers Falls	81.6	104	16	61	24	0	513	1.88	0.73	21										
McAlester	80.7	103	19	62	24	0	487	2.94	1.32	22	Westville	77.9	96	16	57	24	0	400	2.75	1.03	29										
Okmulgee	79.7	100	16	60	24	0	456	4.14	1.81	27																					
SOUTHWEST																															
Altus	83.8	105	16	62	31	0	584	0.79	0.68	1	Hollis	82.8	106	16	62	31	0	552	1.94	1.56	1										
Apache	80.9	101	16	63	24	0	491	1.15	0.46	22	Mangum	81.5	105	16	57	31	0	510	1.49	1.14	1										
Fort Cobb	81.7	102	16	63	31	0	518	1.29	0.84	22	Medicine Park	81.9	100	16	63	22	0	525	1.54	0.81	22										
Grandfield	84.5	106	16	61	31	0	605	0.75	0.43	1	Tipton	84.8	108	16	60	31	0	614	****	****	**										
Hinton	81.4	102	18	63	22	0	507	1.62	0.89	22	Walters	84.7	108	19	63	31	0	609	0.45	0.17	29										
Hobart	83.3	107	16	61	31	0	567	0.93	0.46	1																					
SOUTH CENTRAL																															
Ada	80.9	102	19	59	24	0	494	1.15	0.62	22	Madill	82.9	107	19	64	31	0	554	1.77	0.78	22										
Ardmore	82.2	105	19	63	24	0	532	3.36	1.99	27	Pauls Valley	81.4	103	19	63	24	0	509	3.24	1.00	27										
Burneyville	83.9	106	19	63	24	0	585	****	****	**	Ringling	84.4	106	19	63	31	0	600	0.87	0.28	2										
Byars	80.8	101	11	64	24	0	491	2.08	0.88	22	Sulphur	81.1	103	19	63	24	0	498	3.45	1.44	27										
Centrahoma	80.0	101	19	59	24	0	464	2.05	1.27	22	Tishomingo	80.5	105	19	62	24	0	481	2.33	1.36	22										
Durant	82.4	103	19	64	24	0	539	0.79	0.57	22	Vanoss	81.2	102	19	60	24	0	503	2.74	1.36	27										
Ketchum Ranch	81.7	102	19	63	31	0	517	2.12	1.02	2	Waurika	84.6	108	19	64	24	0	607	2.51	1.69	3										
Lane	81.3	102	19	61	24	0	505	1.46	1.10	22																					
SOUTHEAST																															
Antlers	80.7	103	19	59	24	0	486	1.90	1.07	22	Idabel	81.7	101	19	61	24	0	517	1.12	0.68	21										
Broken Bow	80.4	101	19	58	24	0	478	1.26	0.49	22	Mt Herman	79.5	101	19	59	24	0	448	1.47	0.93	21										
Clayton	81.0	105	19	60	24	0	496	2.07	0.97	21	Talihina	80.7	103	19	59	24	0	487	2.14	1.24	21										
Cloudy	80.2	100	19	59	24	0	470	1.76	0.97	22	Wilburton	80.0	102	19	60	24	0	466	2.47	1.15	22										
Hugo	82.3	102	19	63	24	0	535	1.23	1.20	22	Wister	79.6	103	19	57	24	0	452	1.68	0.69	21										



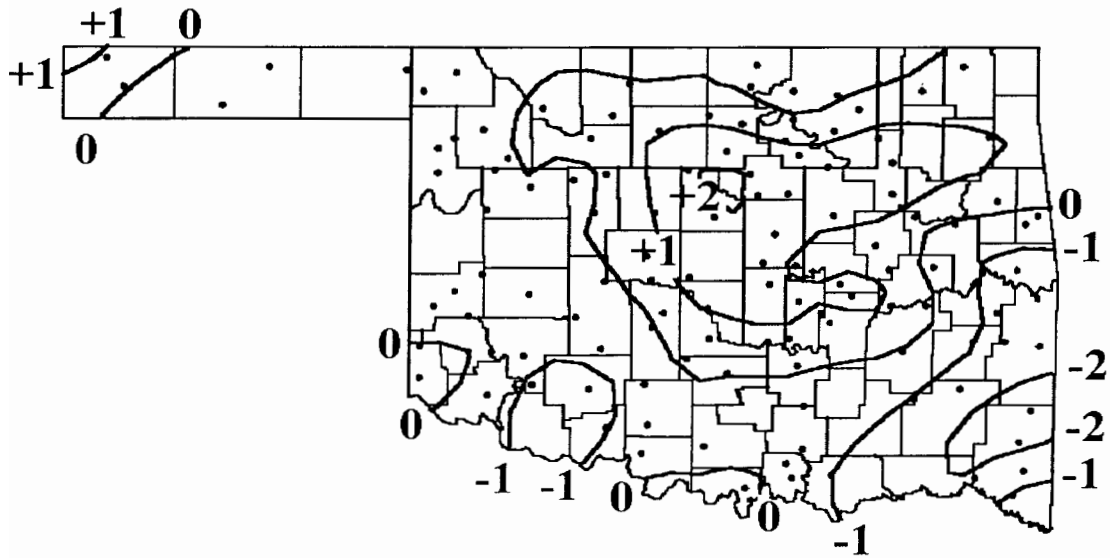
JULY 2000 AVERAGE MONTHLY TEMPERATURE (F)



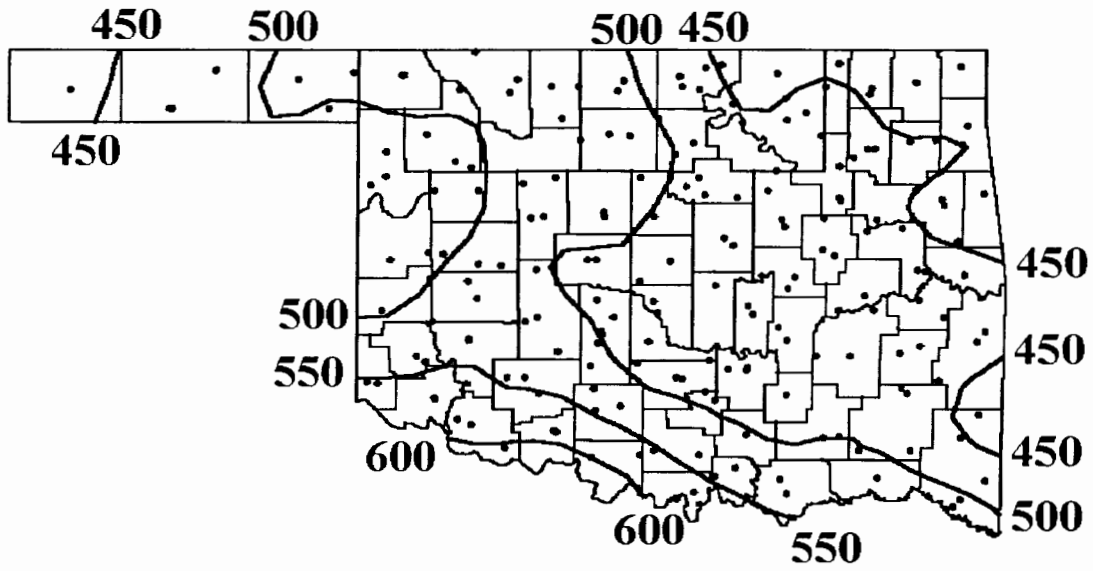
JULY 2000 DEPARTURE FROM NORMAL PRECIPITATION (F)



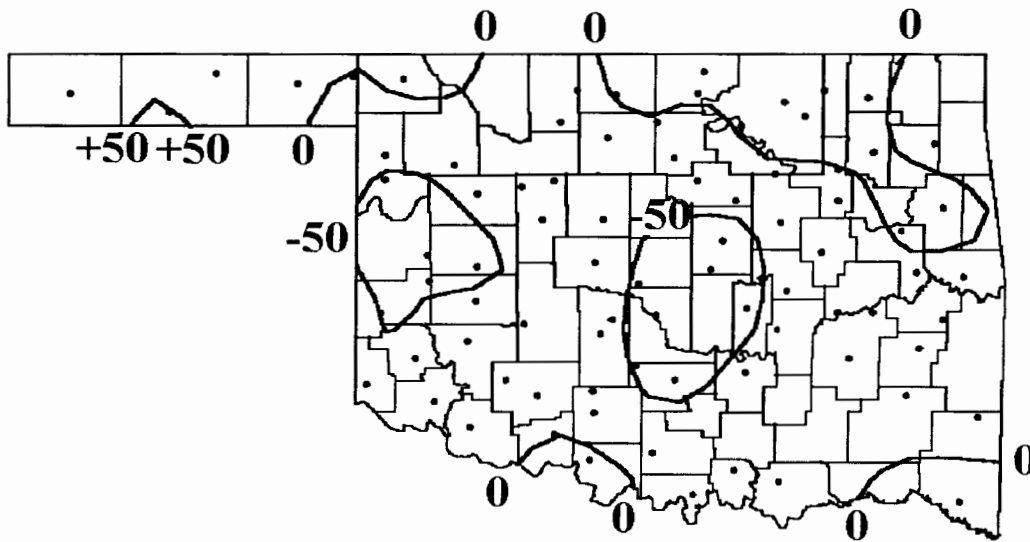
JULY 2000 TOTAL PRECIPITATION (INCHES)



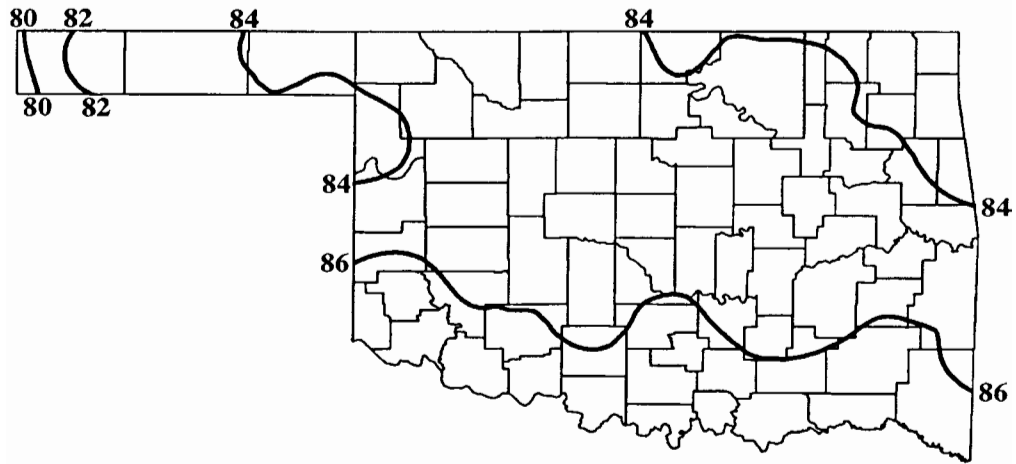
JULY 2000 DEPARTURE FROM NORMAL PRECIPITATION (INCHES)



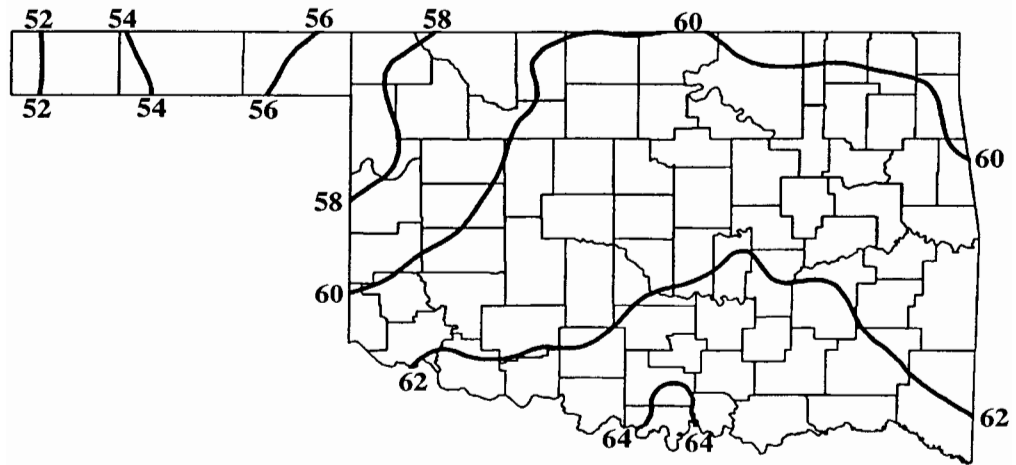
JULY 2000 ACCUMULATED COOLING DEGREE DAYS (F)



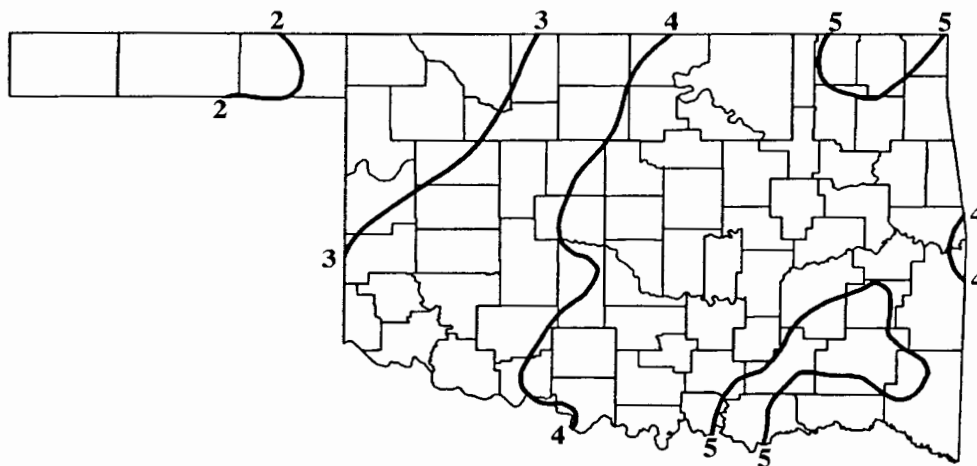
JULY 2000 DEPARTURE FROM NORMAL COOLING DEGREE DAYS (F)



SEPTEMBER NORMAL DAILY MAXIMUM TEMPERATURE (F)



SEPTEMBER NORMAL DAILY MINIMUM TEMPERATURE (F)

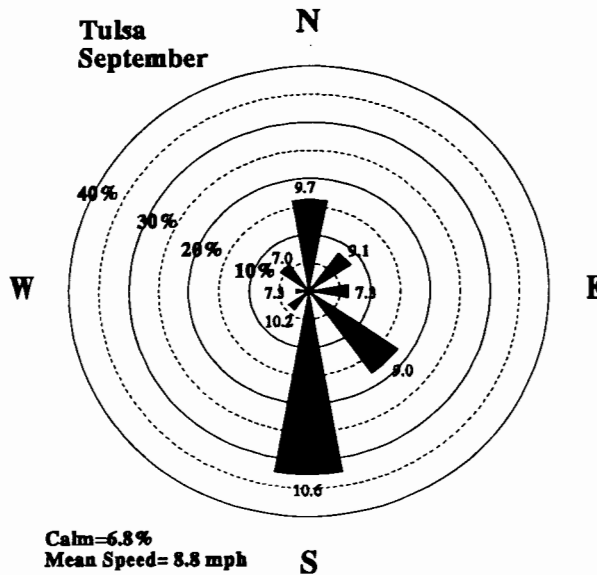
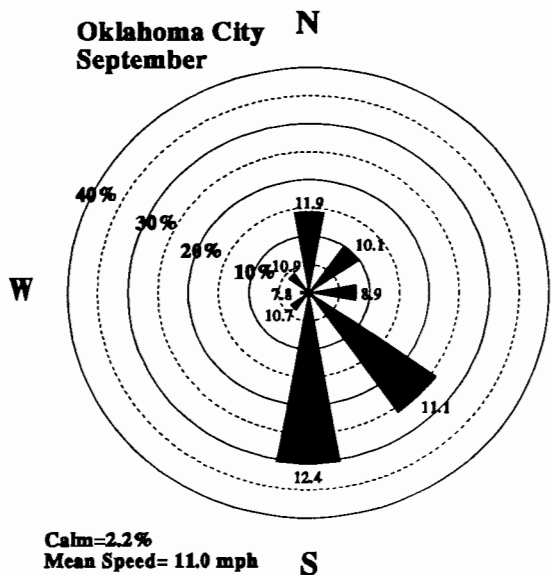


SEPTEMBER NORMAL MONTHLY PRECIPITATION (INCHES)

**OUTLOOK FOR SEPTEMBER 2000 THROUGH NOVEMBER 2000
BASED ON SEASONAL OUTLOOK PROVIDED BY THE CLIMATE PREDICTION CENTER**

TEMPERATURE: NEAR NORMAL TEMPERATURE STATEWIDE

PRECIPITATION: NEAR 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 2000

ALL TIMES ARE CENTRAL STANDARD TIME

OKLAHOMA CITY

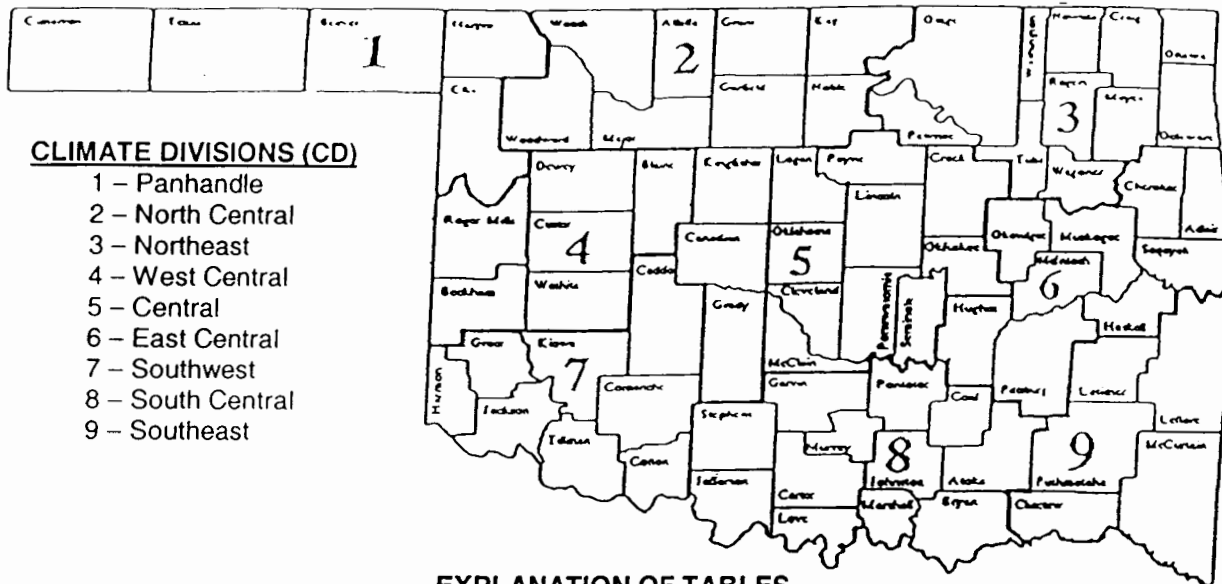
TULSA

DATE	SUNRISE	SUNSET
9/1/00	6:03 AM	6:57 PM
9/2/00	6:03 AM	6:55 PM
9/3/00	6:04 AM	6:54 PM
9/4/00	6:05 AM	6:52 PM
9/5/00	6:06 AM	6:51 PM
9/6/00	6:06 AM	6:50 PM
9/7/00	6:07 AM	6:48 PM
9/8/00	6:08 AM	6:47 PM
9/9/00	6:09 AM	6:45 PM
9/10/00	6:09 AM	6:44 PM
9/11/00	6:10 AM	6:42 PM
9/12/00	6:11 AM	6:41 PM
9/13/00	6:12 AM	6:39 PM
9/14/00	6:12 AM	6:38 PM
9/15/00	6:13 AM	6:37 PM
9/16/00	6:14 AM	6:35 PM
9/17/00	6:15 AM	6:34 PM
9/18/00	6:15 AM	6:32 PM
9/19/00	6:16 AM	6:31 PM
9/20/00	6:17 AM	6:29 PM
9/21/00	6:18 AM	6:28 PM
9/22/00	6:18 AM	6:26 PM
9/23/00	6:19 AM	6:25 PM
9/24/00	6:20 AM	6:23 PM
9/25/00	6:21 AM	6:22 PM
9/26/00	6:21 AM	6:20 PM
9/27/00	6:22 AM	6:19 PM
9/28/00	6:23 AM	6:18 PM
9/29/00	6:24 AM	6:16 PM
9/30/00	6:25 AM	6:15 PM

DATE	SUNRISE	SUNSET
9/1/00	5:56 AM	6:51 PM
9/2/00	5:56 AM	6:49 PM
9/3/00	5:57 AM	6:48 PM
9/4/00	5:58 AM	6:47 PM
9/5/00	5:59 AM	6:45 PM
9/6/00	6:00 AM	6:44 PM
9/7/00	6:00 AM	6:42 PM
9/8/00	6:01 AM	6:41 PM
9/9/00	6:02 AM	6:39 PM
9/10/00	6:03 AM	6:38 PM
9/11/00	6:03 AM	6:36 PM
9/12/00	6:04 AM	6:35 PM
9/13/00	6:05 AM	6:33 PM
9/14/00	6:06 AM	6:32 PM
9/15/00	6:07 AM	6:30 PM
9/16/00	6:07 AM	6:29 PM
9/17/00	6:08 AM	6:27 PM
9/18/00	6:09 AM	6:26 PM
9/19/00	6:10 AM	6:24 PM
9/20/00	6:10 AM	6:23 PM
9/21/00	6:11 AM	6:21 PM
9/22/00	6:12 AM	6:20 PM
9/23/00	6:13 AM	6:18 PM
9/24/00	6:14 AM	6:17 PM
9/25/00	6:14 AM	6:15 PM
9/26/00	6:15 AM	6:14 PM
9/27/00	6:16 AM	6:13 PM
9/28/00	6:17 AM	6:11 PM
9/29/00	6:18 AM	6:10 PM
9/30/00	6:18 AM	6:08 PM

ADD ONE HOUR FOR CENTRAL DAYLIGHT TIME

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 2000 HDD would be calculated as:

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

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

Cooling Degree Days: CDD are calculated each day of the month for which there is a temperature report and 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:

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

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

Total Precipitation: Often incorrectly referred to as a 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 the 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

MONTH 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 1891-1999.
 Precipitation extremes are for the period 1891-1999.

Day	Avg. Temp	Avg. High	Record High	Year	Lowest Max	Year	2000	Avg. Low	Highest Min	Year	Record Low	Year	2000	Avg. Ppt.	Greatest Ppt.	Year	2000
1	78	89	105	1951	69	1994		67	80	1951	53	1956		0.11	2.53	1974	
2	77	88	105	1951	68	1967		66	78	1961	52	1974		0.11	4.08	1991	
3	77	88	107	1998	71	1974		66	80	1939	47	1974		0.12	3.16	1926	
4	77	88	107	1998	66	1961		66	79	1970	46	1974		0.12	1.74	1940	
5	76	87	106	1998	64	1962		66	77	1939	47	1974		0.12	1.65	1992	
6	76	87	106	1947	71	1918		65	77	1998	51	1974		0.12	2.2	1895	
7	76	87	102	1998	66	1962		65	77	1936	49	1898		0.12	1.37	1905	
8	75	86	101	1922	73	1995		65	80	1896	48	1957		0.12	3.16	1993	
9	75	86	99	1970	67	1929		64	77	1896	51	1962		0.13	1.88	1891	
10	75	85	101	1936	64	1929		64	77	1938	47	1962		0.13	2.4	1925	
11	75	85	100	1909	60	1898		64	77	1936	48	1940		0.13	2.36	1906	
12	74	85	102	1930	64	1989		64	78	1930	45	1898		0.13	3.03	1961	
13	74	84	102	1965	53	1989		63	78	1978	45	1902		0.13	1.88	1985	
14	74	84	102	1965	58	1975		63	77	1965	47	1993		0.13	3.61	1957	
15	74	84	100	1965	57	1903		63	76	1956	44	1993		0.13	2.35	1925	
16	73	84	101	1978	59	1903		62	76	1965	44	1993		0.13	1.97	1991	
17	72	83	99	1972	58	1973		62	78	1978	44	1903		0.13	1.42	1936	
18	72	83	99	1952	53	1971		62	78	1978	42	1981		0.13	3.1	1923	
19	72	83	98	1954	56	1971		61	76	1978	44	1971		0.14	1.81	1942	
20	72	82	100	1954	52	1896		61	76	1954	41	1971		0.14	3.82	1990	
21	71	82	97	1998	59	1995		60	76	1931	39	1983		0.14	2.04	1990	
22	71	82	96	1956	58	1995		60	76	1931	41	1995		0.13	7.53	1970	
23	71	81	97	1931	58	1925		60	75	1931	38	1995		0.13	1.47	1988	
24	70	81	98	1939	56	1974		59	74	1958	36	1989		0.13	3.87	1959	
25	70	81	97	1939	53	1926		59	74	1933	41	1989		0.13	1.41	1893	
26	69	80	98	1977	46	1926		59	73	1998	35	1912		0.13	1.74	1973	
27	69	80	96	1953	47	1927		58	72	1923	38	1942		0.13	1.75	1936	
28	69	80	104	1953	53	1984		58	73	1977	37	1896		0.13	2.88	1945	
29	68	80	98	1953	47	1945		57	71	1933	39	1916		0.13	2.9	1986	
30	68	79	100	1977	54	1985		57	72	1977	36	1895		0.13	1.79	1986	
MONTH	73	83.8	107	1998	46	1926		62.2	80	1951	35	1912		3.84	7.53	1970	

*The most tornadoes reported in SEPTEMBER for Oklahoma was (16) in 1992.

TULSA CLIMATE CALENDAR
 DATA COURTESY OF NATIONAL WEATHER SERVICE NORMAN

MONTH September

The data on this calendar is for Tulsa.
 Normal values are calculated for the period 1961-1990.
 Temperature extremes are for the period 1905-1999.
 Precipitation extremes are for the period 1888-1999.

Day	Avg. Temp	Avg. High	Record High	Year	Lowest Max	Year	2000	Avg. Low	Highest Min	Year	Record Low	Year	2000	Avg. Ppt.	Greatest Ppt.	Year	2000
1	78	88	105	1985	69	1994		68	79	1936	48	1967		0.14	2.24	1974	
2	78	88	109	1939	68	1974		67	-82	1936	51	1974		0.14	2.38	1934	
3	77	88	109	1939	70	1974		67	-82	1995	47	1974		0.14	3.27	1962	
4	77	87	107	1998	66	1967		67	79	1947	46	1974		0.15	6.39	1940	
5	77	87	107	1913	70	1962		67	79	1985	49	1974		0.15	1.62	1926	
6	76	87	107	1907	69	1962		66	80	1998	52	1974		0.15	4.05	1971	
7	76	86	106	1936	65	1986		66	79	1985	50	1918		0.15	1.90	1905	
8	76	86	103	1925	66	1995		66	78	1983	50	1956		0.16	2.26	1941	
9	75	86	102	1909	70	1941		65	76	1991	51	1943		0.16	2.67	1951	
10	75	85	105	1936	72	1940		65	75	1991	48	1968		0.16	3.10	1999	
11	75	85	103	1909	72	1940		65	79	1936	45	1940		0.16	2.18	1925	
12	75	85	102	1930	68	1989		65	78	1936	48	1959		0.16	1.75	1989	
13	74	84	103	1965	55	1989		64	78	1936	49	1960		0.16	2.45	1993	
14	74	84	103	1965	57	1989		64	78	1931	46	1961		0.16	2.15	1957	
15	74	84	103	1956	60	1949		63	79	1956	42	1993		0.16	2.87	1962	
16	73	83	103	1956	66	1996		63	77	1956	44	1993		0.17	5.78	1971	
17	73	83	104	1931	61	1971		63	79	1978	44	1981		0.17	1.76	1923	
18	73	83	100	1952	56	1971		62	80	1978	42	1981		0.17	2.39	1971	
19	72	83	100	1954	58	1971		62	79	1954	45	1991		0.17	4.30	1974	
20	72	82	102	1954	64	1995		62	81	1910	39	1938		0.16	1.98	1915	
21	72	82	98	1980	57	1995		61	78	1980	38	1918		0.16	3.50	1902	
22	71	81	99	1921	58	1995		61	75	1931	37	1995		0.16	3.78	1970	
23	71	81	101	1931	60	1994		60	74	1931	37	1995		0.16	2.25	1997	
24	70	81	99	1931	58	1974		60	76	1958	37	1989		0.16	2.33	1945	
25	70	81	99	1939	58	1913		60	75	1986	43	1926		0.16	2.07	1959	
26	70	80	96	1938	48	1926		59	73	1998	37	1912		0.16	2.37	1996	
27	70	80	96	1954	51	1926		59	73	1977	35	1942		0.15	2.94	1920	
28	69	80	102	1953	55	1984		58	73	1986	38	1908		0.15	1.93	1945	
29	68	79	98	1953	55	1945		58	73	1955	37	1916		0.15	4.45	1986	
30	68	79	99	1979	59	1959		57	72	1977	35	1984		0.15	1.85	1959	
MONTH	73.3	83.6	109	1939	48	1926		63	82	1995	35	1984		0.16	6.39	1940	

* The average number of tornadoes reported in **SEPTEMBER** for Oklahoma is (2.1).