OKLAHOMA
MONTHLY SUMMARY
REVISED
SEPTEMBER 2000

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MONTHLY SUMMARY FOR SEPTEMBER 2000

September 2000 was both drier and warmer than normal in Oklahoma. The statewide-averaged monthly total precipitation was 1.00 inch, 2.87 inches less than normal and the 7th lowest September statewide total since 1892. The dry September, following an exceptionally dry August, left the state with a two-month statewide precipitation accumulation of only 1.16 inches, 5.53 inches below normal for the period and the lowest August-September total precipitation ever recorded for the state. Year-to-date precipitation through the end of September averaged 24.72 inches, statewide. Total precipitation through the first nine months of the year was 2.37 inches less than normal, making this the 41st driest January-through-September period in 109 years of record keeping.

The statewide-averaged temperature for the month was 75.6 degrees, 2.6 degrees greater than normal and the 23rd highest September temperature on record for the state. The August-September statewide-averaged temperature of 80.7 degrees was 3.8 degrees greater than normal, ranking this as the state's 9th warmest such period. The year 2000 continues to be a warm one with the statewide-averaged temperature through its first nine months (65.4 degrees) exceeding normal for the period by 1.8 degrees, the 17th highest average temperature recorded for any like period.

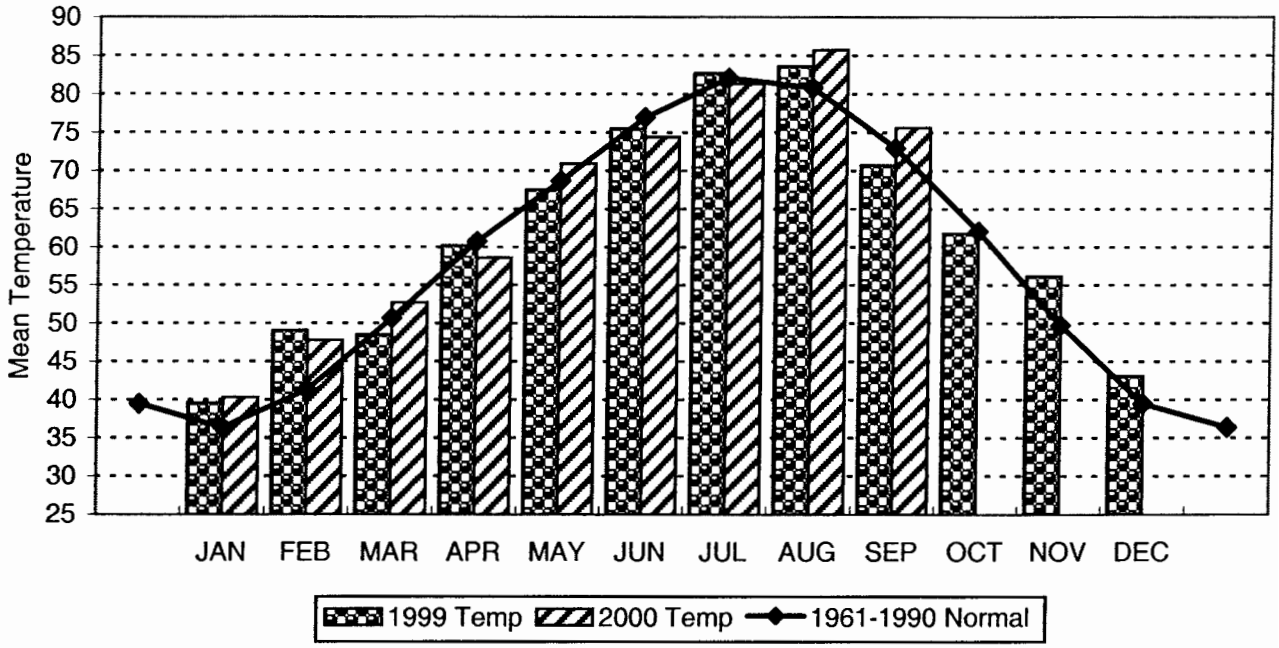
Afternoon temperatures in triple-digits were widespread across the state during the first seven days of the month. Eufaula (McIntosh County) reported a maximum temperature of 114 degrees on the first to establish a new September high temperature record for the state. Marlow (Stephens) tied the new record on the 3rd, as did Waurika (Jefferson) on the 4th. Only Kenton (Cimarron), of all the state's reporting sites, failed to reach 100 degrees on the 3rd. At least one station reported a daily maximum temperature of 100 degrees or more on 21 of the first 24 days of the month. Cooler air began to filter into the state after mid-month. On the 25th, all state reporting stations reported daily minimum temperatures of 52 degrees or less with stations in the northwest reporting lows in the 30s. The first freeze of the year was reported on the 25th, led by Turpin (Beaver), Boise City (Cimarron), and Beaver (Beaver), each of which reported a low temperature of 30 degrees. Taloga (Dewey) and Beaver each reported a minimum temperature of 29 degrees on the 26th, the lowest temperatures reported during the month. September freezes in the Panhandle are rare, occurring in fewer than 10 percent of years.

A scattering of stations recorded significant rainfall during the first three weeks of September. Coleman (Johnston) reported 1.51 inches of rain on the 3rd. Walters (Cotton) recorded 2.30 inches and the Wilburton Mesonet site (Latimer) recorded two inches of precipitation on the 12th. Much of southeastern and south central Oklahoma recorded significant rain on the 23rd and 24th, the first significant rainfall in over two months at many locations, especially in south central portions of the state. Ashland (Pittsburg) reported 3.80 inches on the 24th. Other stations receiving three inches of rain or more over that weekend were Fanshawe (LeFlore; 3.52 inches), Wister (LeFlore; also 3.52), Bengal (Latimer; 3.26), and Wetumka (Hughes; 3.07 inches).

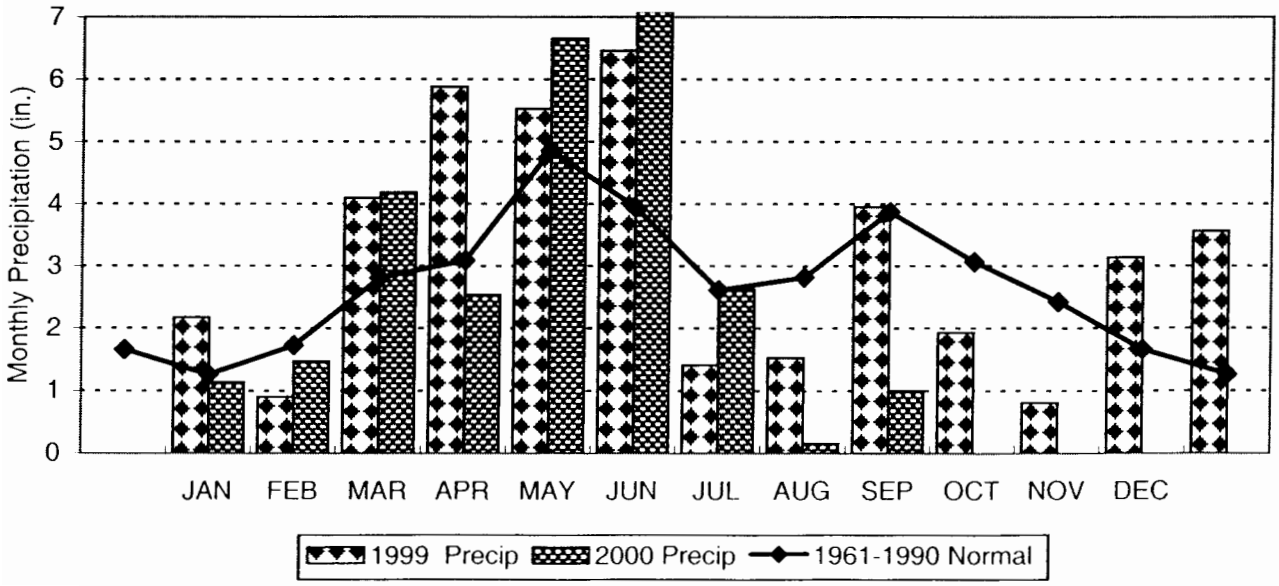
Eight weeks of hot, dry weather (from late July through mid-September) caused the state to move rapidly into a drought situation. Summer row crops were damaged, pastures and stock water deteriorated greatly, planting of winter wheat was delayed, and wildfire potential increased dramatically. Major wildfire outbreaks were reported shortly after mid-month in Murray County near Turner Falls Park and the city of Davis, in southern Logan and northern Oklahoma counties between Edmond and Guthrie, and in Creek County near Bristow.

Howard L. Johnson

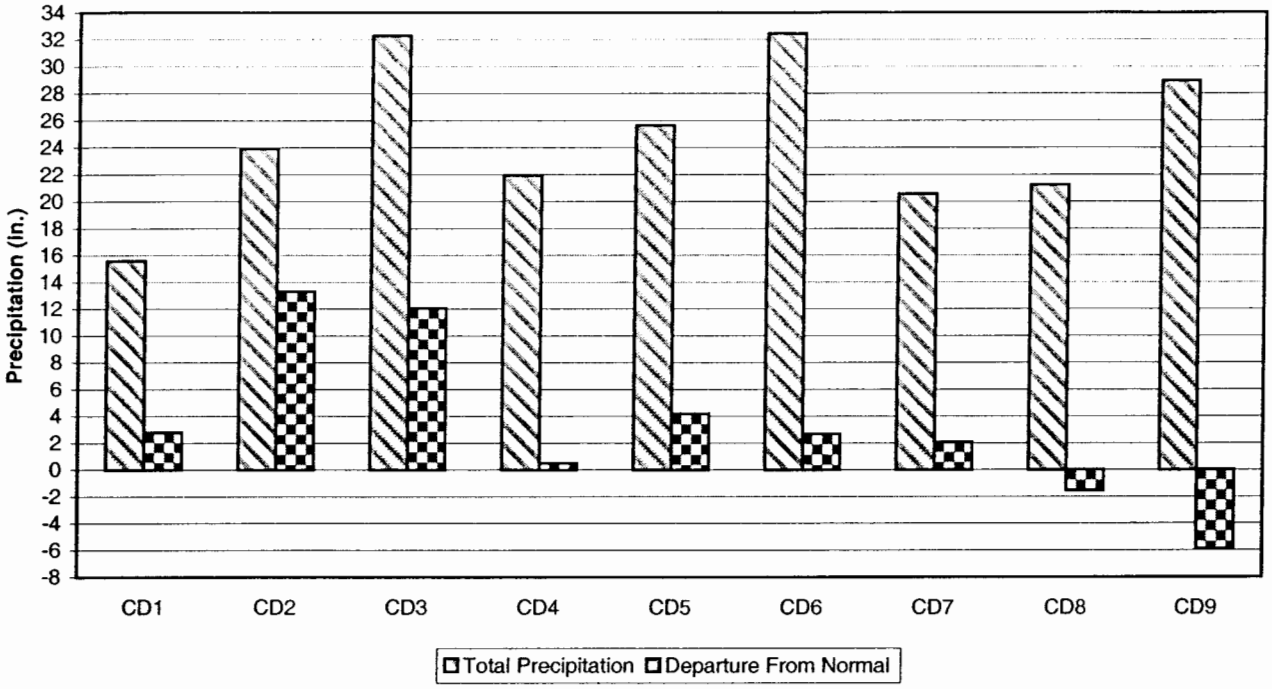
1999 and 2000 STATEWIDE TEMPERATURES
Monthly Averages



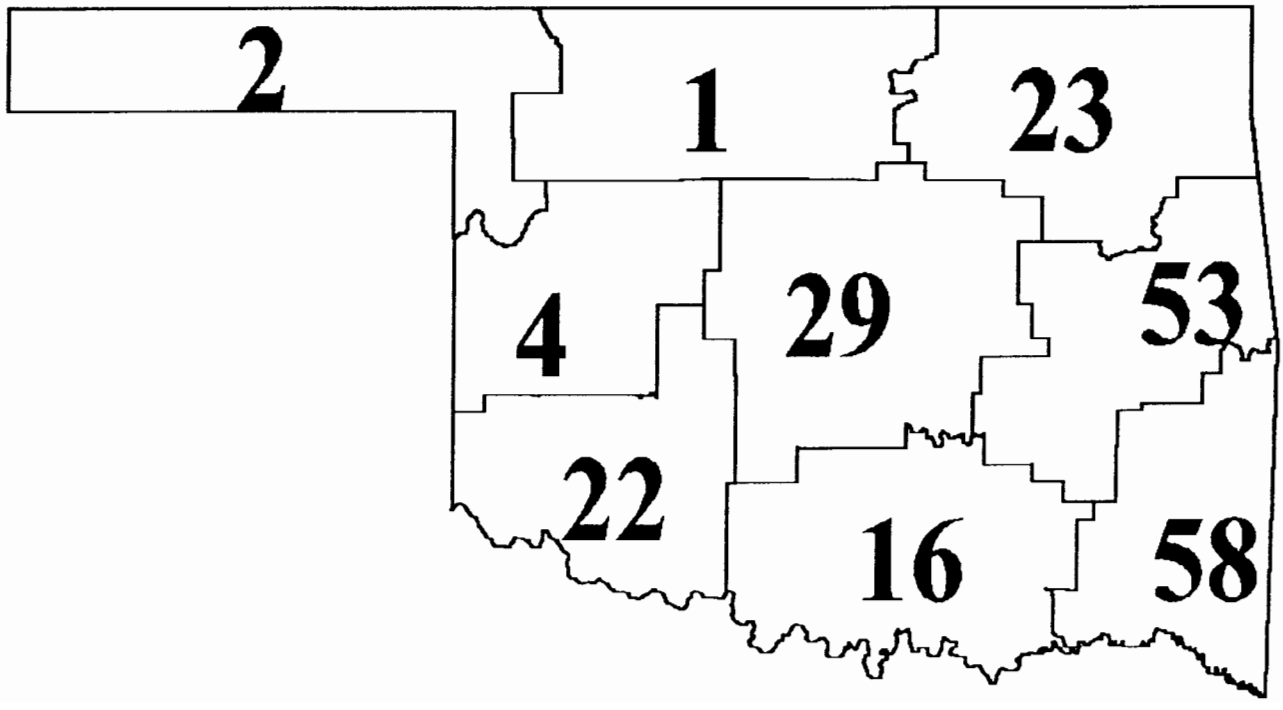
1999 and 2000 STATEWIDE PRECIPITATION
Monthly Totals



CD Averaged Precipitation January through September 2000



CD PERCENT OF NORMAL PRECIPITATION SEPTEMBER 2000



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

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	112	4	BUFFALO	29	26	BEAVER	.20	24	GATE	.31	GATE
	112	5	BUFFALO								
	112	6	BUFFALO								
2	112	4	ALVA	30	26	JEFFERSON	.23	4	BRAMAN	.25	HARDY
3	112	2	MANNFORD	30	26	BARTLESVILLE	3.45	24	KANSAS	5.11	KANSAS
				30	26	RALSTON					
4	110	4	OKEENE	29	26	TALOGA	.30	23	RETROP	.30	COLONY
				29	27	TALOGA				.30	RETROP
5	111	4	STILLWATER	34	27	EL RENO	2.92	24	PRAGUE	2.92	PRAGUE
				34	26	GUTHRIE					
				34	27	GUTHRIE					
6	114	1	EUFAULA	35	26	STILWELL	3.80	24	ASHLAND	3.95	ASHLAND
7	113	5	CHATTANOOGA	35	26	ALTUS DAM	2.42	24	ANADARKO	2.42	ANADARKO
				35	27	ALTUS DAM					
				35	25	HOLLIS					
8	114	3	MARLOW	34	26	MARLOW	2.57	24	MCGEE CREEK	4.06	MCGEE CREEK
	114	4	WAURIKA								
9	110	3	POTEAU	35	26	SMITHVILLE	3.52	24	WISTER	3.97	BENGAL
	110	2	TUSKAHOMA	35	27	SMITHVILLE					
	110	3	TUSKAHOMA								
	110	1	WILBURTON								

TABLE OF 1999/2000 COMPARISONS

	FEBRUARY Temperature (°F)		FEBRUARY Precipitation (in.)	
Station	**1999**	**2000**	**1999**	**2000**
Arnett	66.5	72.7	1.51	0.001
Enid	70.5	77.3	4.11	0.02
Tulsa	69.8	75.7	9.69	1.10
Elk City	69.6	75.3	1.23	0.001
Oklahoma City	71.0	76.1	4.88	1.73
McAlester	71.6	76.2	3.68	2.74
Altus Irr Station	73.1	76.1	1.49	2.05
Ardmore	73.8	78.9	3.43	1.19
Idabel	73.2	76.7	3.14	2.51

		EXTREMES		
VARIABLE	**STATION**	**DIVISON**	**OBSERVATION**	**DATE**
Minimum temperature (°F)	Beaver	1	29	26
	Taloga	4	29	26
	Taloga	4	29	27
Maximum temperature (°F)	Eufaula	6	114	1
	Marlow	8	114	3
	Waurika	8	114	4
Maximum 24-hour Precipitation	Ashland	6	3.80"	24

SEPTEMBER 2000 SUMMARY FOR PANHANDLE DIVISION (CD1)

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
ARNETT	332	1	72.7	30	2.7	105	5	33	26	73	48	304	129	0.001	30	-2.53	0.00	24
BEAVER	593	1	73.4	30	3.8	108	5	29	26	71	40	325	153	0.041	30	-1.78	0.04	24
BOISE CITY	908	1	73.4	25	*****	101	6	30	25	29	******	238	******	0.001	30	-1.83	0.00	8
BUFFALO	1243	1	77.2	30	4.3	112	6	32	26	39	26	404	154	0.220	30	-2.86	0.15	3
FARGO	3070	1	*****	0	*****	****	0	****	0	******	******	******	******	0.042	30	-2.23	0.04	24
GAGE	3407	1	74.5	30	2.9	108	4	31	27	66	48	350	134	0.033	30	-1.96	0.03	23
GATE	3489	1	74.8	29	3.6	109	5	35	25	57	40	342	139	0.312	30	-1.78	0.20	24
GOODWELL	3628	1	72.4	30	4.3	106	5	31	25	55	16	276	144	0.000	30	-1.68	0.00	30
GUYMON	3835	1	74.0	29	*****	105	6	31	25	55	******	316	******	0.020	29	*****	0.02	24
HOOKER	4298	1	75.3	30	5.8	106	4	33	25	36	2	344	175	0.044	30	-2.01	0.04	3
KENTON	4766	1	70.9	29	4.2	100	6	32	25	63	14	235	135	0.081	30	-1.77	0.04	29
LAVERNE	5045	1	*****	0	*****	****	0	****	0	******	******	******	******	0.091	30	-1.93	0.07	24
REGNIER	7534	1	*****	0	*****	****	0	****	0	******	******	******	******	0.031	30	-1.67	0.03	9
TURPIN	9017	1	71.9	23	*****	105	5	30	25	53	******	213	******	0.000	30	*****	0.00	30

SEPTEMBER 2000 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

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
ALVA	193	2	76.0	30	*****	112	4	37	25	53	******	383	******	0.000	30	*****	0.00	30
VANCE AFB	302	2	*****	0	*****	****	0	****	0	******	******	******	******	0.001	30	*****	0.00	25
BILLINGS	755	2	74.8	30	2.4	108	4	31	26	58	38	352	110	0.041	30	-4.50	0.04	4
BLACKWELL 2E	818	2	74.9	30	2.1	108	3	36	27	56	39	352	101	0.073	30	-4.01	0.04	4
BRAMAN	1075	2	*****	0	*****	****	0	****	0	******	******	******	******	0.231	30	*****	0.23	4
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	******	******	******	******	0.011	30	*****	0.01	24
CHEROKEE	1724	2	75.6	29	1.8	109	12	34	26	52	41	359	84	0.000	30	-3.06	0.00	30
ENID	2912	2	77.3	30	3.9	109	4	38	26	44	31	414	149	0.020	30	-3.46	0.01	25
FT SUPPLY	3304	2	74.0	29	3.6	107	4	31	25	52	30	314	130	0.002	30	-2.31	0.00	24
FREEDOM	3358	2	69.2	21	*****	105	3	31	27	71	******	159	******	0.141	30	-2.45	0.08	24
GREAT SALT P	3740	2	76.2	29	4.1	109	12	39	26	50	33	375	145	0.000	30	-3.33	0.00	30
HARDY	3909	2	*****	0	*****	****	0	****	0	******	******	******	******	0.252	30	*****	0.15	23
HELENA	4019	2	75.2	30	3.7	108	5	37	26	55	36	360	146	0.042	30	-3.19	0.04	25
JEFFERSON	4573	2	74.8	30	1.5	110	4	30	26	63	52	358	98	0.020	30	-3.67	0.01	25
LAHOMA	4950	2	75.8	30	*****	110	4	35	26	53	******	377	******	0.000	30	*****	0.00	30
LAMONT	5013	2	*****	0	*****	****	0	****	0	******	******	******	******	0.022	30	*****	0.01	25
MEDFORD	5768	2	*****	0	*****	****	0	****	0	******	******	******	******	0.022	30	*****	0.01	24
MORRISON	6065	2	*****	0	*****	****	0	****	0	******	******	******	******	0.141	30	*****	0.14	24
MUTUAL	6139	2	74.5	30	3.3	110	5	35	27	57	38	343	138	0.010	30	-2.64	0.01	24
NEWKIRK	6278	2	74.8	30	2.1	107	4	35	27	55	41	348	103	0.231	30	-4.04	0.13	4
ORIENTA	6751	2	*****	0	*****	****	0	****	0	******	******	******	******	******	0	*****	*****	0
PERRY	7012	2	76.9	30	3.3	109	5	41	26	43	29	399	127	0.002	30	-4.38	0.00	25
PONCA CITY	7201	2	77.1	30	5.0	110	2	36	26	34	11	396	160	0.083	30	-4.26	0.07	24
RED ROCK	7505	2	*****	0	*****	****	0	****	0	******	******	******	******	0.000	30	-4.23	0.00	30
WAYNOKA	9404	2	76.5	28	*****	111	8	34	26	50	******	372	******	0.000	30	-2.57	0.00	30
WOODWARD	9760	2	*****	0	*****	****	0	****	0	******	******	******	******	0.002	30	-2.34	0.00	25

SEPTEMBER 2000 SUMMARY FOR NORTHEAST DIVISION (CD3)

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
BARNSDALL	535	3	74.3	30	1.5	108	2	33	26	39	15	317	59	0.383	30	-5.23	0.37	4
BARTLESVILLE	548	3	73.4	30	0.6	109	2	30	26	51	35	304	54	0.292	30	-4.28	0.23	6
BIXBY	782	3	75.5	30	4.0	107	3	39	26	14	-8	329	113	0.450	30	-4.26	0.40	24
BURBANK	1256	3	*****	0	*****	****	0	****	0	******	******	******	******	0.150	30	-4.51	0.13	4
CHELSEA	1717	3	*****	0	*****	****	0	****	0	******	******	******	******	1.040	30	*****	0.60	24
CLAREMORE	1828	3	73.6	30	1.6	107	3	38	27	50	26	307	73	1.400	30	-3.05	1.00	24
CLEVELAND 2	1902	3	74.2	27	*****	105	3	37	26	38	******	286	******	0.141	30	*****	0.09	5
FORAKER	3250	3	*****	0	*****	****	0	****	0	******	******	******	******	0.000	30	-4.84	0.00	30
HOLLOW	4258	3	*****	0	*****	****	0	****	0	******	******	******	******	1.041	30	-3.99	0.72	23
HOMINY	4289	3	*****	0	*****	****	0	****	0	******	******	******	******	0.321	30	-4.80	0.14	4
KANSAS	4672	3	74.7	30	3.1	105	2	37	26	35	14	327	108	5.110	30	-0.33	3.45	24
LENAPAH	5118	3	*****	0	*****	****	0	****	0	******	******	******	******	1.300	30	*****	0.84	23
MANNFORD	5522	3	77.1	30	4.5	112	2	36	26	22	-3	384	131	0.420	30	-4.14	0.40	24
MARAMEC	5540	3	*****	0	*****	****	0	****	0	******	******	******	******	0.221	30	-4.47	0.13	5
NOWATA	6485	3	77.5	26	*****	108	3	42	21	12	******	336	******	0.670	30	-4.68	0.22	4
PAWHUSKA	6935	3	75.2	30	2.8	108	2	35	26	41	20	345	105	0.222	30	-4.71	0.12	25
PAWNEE	6940	3	*****	0	*****	****	0	****	0	******	******	******	******	0.033	30	-5.01	0.03	25
PRYOR	7309	3	73.6	30	2.4	106	4	37	27	42	13	300	85	1.211	30	-3.54	0.80	24
RALSTON	7390	3	73.8	30	1.0	109	2	30	26	49	30	312	59	0.171	30	-4.50	0.13	24
SKIATOOK	8258	3	*****	0	*****	****	0	****	0	******	******	******	******	1.010	30	-3.84	0.55	4
SPAVINAW	8380	3	76.8	30	3.1	106	3	43	25	26	14	381	108	2.620	30	-2.16	1.20	24
TULSA	8992	3	75.7	30	2.4	108	1	42	26	28	8	348	79	1.102	30	-3.60	0.50	23
UPPER SPAV	9101	3	73.7	30	*****	107	2	38	26	40	******	301	******	2.781	30	*****	1.03	23
VINITA	9203	3	75.7	19	*****	104	3	40	26	31	******	233	******	3.841	28	*****	2.94	24
WAGONER	9247	3	76.8	30	3.4	107	2	40	27	25	11	378	112	4.360	30	-0.20	2.72	24
WANN	9298	3	*****	0	*****	****	0	****	0	******	******	******	******	0.821	30	*****	0.50	23
WYNONA	9792	3	*****	0	*****	****	0	****	0	******	******	******	******	0.171	30	*****	0.08	24

SEPTEMBER 2000 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

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
CANTON DAM	1445	4	74.4	30	2.5	109	4	30	26	61	45	342	119	0.000	30	-3.18	0.00	30
CLINTON	1909	4	75.6	30	1.7	109	6	34	27	56	43	373	93	0.001	30	-3.73	0.00	24
COLONY	2039	4	*****	0	*****	****	0	****	0	******	******	******	******	0.300	30	*****	0.18	24
CORDELL	2125	4	75.5	30	2.1	109	5	36	27	51	40	365	102	0.201	30	-3.41	0.20	24
ELK CITY	2849	4	75.3	30	3.1	108	5	37	26	45	32	354	125	0.001	30	-3.28	0.00	25
ERICK	2944	4	74.4	30	2.0	108	5	34	27	55	42	337	102	0.011	30	-3.21	0.01	24
GEARY	3497	4	74.6	26	*****	107	4	37	28	48	******	299	******	0.000	30	-3.80	0.00	30
HAMMON	3871	4	73.8	29	2.5	106	5	31	27	63	39	319	106	0.000	30	-3.09	0.00	30
LEEDEY	5090	4	*****	0	*****	****	0	****	0	******	******	******	******	0.000	30	-2.71	0.00	30
MACKIE	5463	4	*****	0	*****	****	0	****	0	******	******	******	******	0.000	30	*****	0.00	30
MORAVIA	6035	4	*****	0	*****	****	0	****	0	******	******	******	******	0.041	30	-3.37	0.04	24
OKEENE	6629	4	77.3	30	3.6	110	4	36	26	34	21	402	128	0.002	30	-3.69	0.00	24
RETROP	7565	4	*****	0	*****	****	0	****	0	******	******	******	******	0.300	30	*****	0.30	23
REYDON	7579	4	74.5	30	3.7	106	12	35	25	53	35	338	146	0.000	30	-3.03	0.00	30
SAYRE	7952	4	*****	0	*****	****	0	****	0	******	******	******	******	0.001	30	-3.04	0.00	24
SWEETWATER	8652	4	*****	0	*****	****	0	****	0	******	******	******	******	0.000	30	*****	0.00	30
TALOGA	8708	4	73.1	30	1.0	109	4	29	27	78	64	322	95	0.001	30	-2.97	0.00	25
THOMAS	8815	4	*****	0	*****	****	0	****	0	******	******	******	******	0.020	30	*****	0.02	24
VICI	9172	4	*****	0	*****	****	0	****	0	******	******	******	******	0.030	30	-2.61	0.03	24
WATONGA	9364	4	77.3	29	4.6	107	3	35	26	25	9	381	134	0.002	30	-3.37	0.00	25
WEATHERFORD	9422	4	74.9	30	2.8	108	5	36	26	54	36	352	121	0.030	30	-3.71	0.03	24

SEPTEMBER 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	******	******	******	******	2.900	30	*****	2.90	24
ARCADIA	288	5	*****	0	*****	****	0	****	0	******	******	******	******	0.730	30	*****	0.73	24
BLANCHARD	830	5	78.3	30	4.3	110	3	42	26	26	15	424	143	2.541	30	-1.62	2.54	24
BRISTOW	1144	5	76.0	29	3.0	109	3	36	26	26	7	344	85	1.600	30	-3.04	1.40	24
CHANDLER	1684	5	75.6	28	*****	109	4	40	26	36	******	332	******	1.601	30	-2.65	1.60	24
CHICKASHA EXP	1750	5	77.4	30	3.8	110	3	39	26	27	15	400	130	2.580	30	-1.22	2.55	24
COX CITY	2196	5	*****	0	*****	****	0	****	0	******	******	******	******	0.080	30	*****	0.08	24
CRESCENT	2242	5	*****	0	*****	****	0	****	0	******	******	******	******	0.000	30	*****	0.00	30
CUSHING	2318	5	74.9	26	*****	107	4	43	26	33	******	291	******	0.340	30	-3.77	0.30	24
EDMOND	2788	5	*****	0	*****	****	0	****	0	******	******	******	******	0.500	30	*****	0.40	23
EL RENO	2818	5	75.9	29	3.1	108	4	34	27	53	40	369	122	0.250	30	-3.88	0.25	24
GUTHRIE	3821	5	73.3	23	*****	107	12	34	27	48	******	240	******	0.190	30	-4.12	0.16	24
HENNESSEY	4055	5	77.1	29	3.9	109	3	38	27	32	20	384	126	0.001	30	-4.06	0.00	24
INGALLS	4489	5	*****	0	*****	****	0	****	0	******	******	******	******	0.091	13	*****	0.09	24
KINGFISHER	4861	5	76.4	30	2.5	109	4	36	26	44	34	386	109	0.020	30	-4.10	0.02	24
KONAWA	4915	5	*****	0	*****	****	0	****	0	******	******	******	******	1.300	30	-3.14	1.30	23
MARSHALL	5589	5	*****	0	*****	****	0	****	0	******	******	******	******	0.000	30	-3.83	0.00	30
MEEKER	5779	5	72.9	30	-0.3	107	4	37	27	58	44	295	35	2.650	30	-1.64	2.57	24
MULHALL	6110	5	*****	0	*****	****	0	****	0	******	******	******	******	0.020	30	*****	0.02	24
NORMAN NWS	6386	5	75.7	30	1.7	106	3	40	26	39	29	359	79	2.630	30	-1.46	1.75	23
OKEMAH	6638	5	78.2	30	4.9	108	2	47	25	13	-3	409	145	1.300	30	-2.96	1.30	24
OKLAHOMA CTY	6659	5	*****	0	*****	****	0	****	0	******	******	******	******	1.941	30	*****	1.94	24
OKLAHOMA CTY	6661	5	76.1	30	3.1	108	3	40	26	35	20	367	112	1.730	30	-2.11	0.85	24
PERKINS	7003	5	*****	0	*****	****	0	****	0	******	******	******	******	0.280	30	-4.12	0.28	24
PIEDMONT	7068	5	*****	0	*****	****	0	****	0	******	******	******	******	0.140	30	*****	0.14	24
PRAGUE	7264	5	*****	0	*****	****	0	****	0	******	******	******	******	2.920	30	-1.56	2.92	24
PURCELL	7327	5	76.4	30	2.3	109	4	40	26	35	22	378	89	1.521	30	-2.84	1.52	25
SEMINOLE	8042	5	76.3	28	*****	110	3	39	26	19	******	334	******	0.850	30	-3.54	0.85	23
SHAWNEE	8110	5	*****	0	*****	****	0	****	0	******	******	******	******	2.201	30	-2.02	2.20	23
STILLWATER	8501	5	76.3	29	4.2	111	4	37	27	32	15	361	131	0.050	30	-4.24	0.03	24
STROUD	8563	5	*****	0	*****	****	0	****	0	******	******	******	******	1.932	30	*****	1.56	24
TECUMSEH	8751	5	*****	0	*****	****	0	****	0	******	******	******	******	1.410	30	*****	1.21	24
TROUSDALE	8960	5	75.2	30	*****	109	4	36	27	45	******	350	******	0.840	30	*****	0.84	24
UNION CITY	9086	5	*****	0	*****	****	0	****	0	******	******	******	******	1.362	30	-2.87	1.36	24
WELTY	9479	5	*****	0	*****	****	0	****	0	******	******	******	******	2.471	30	*****	2.40	24
WEWOKA	9575	5	*****	0	*****	****	0	****	0	******	******	******	******	1.930	30	-2.39	1.86	24

SEPTEMBER 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	******	******	******	******	3.950	30	*****	3.80	24
BEGGS	631	6	*****	0	*****	****	0	****	0	******	******	******	******	1.070	30	*****	1.07	24
CALVIN	1391	6	*****	0	*****	****	0	****	0	******	******	******	******	1.800	30	-2.64	1.80	24
CHECOTAH	1711	6	*****	0	*****	****	0	****	0	******	******	******	******	2.370	30	-2.51	1.35	23
CLAYTON	1858	6	*****	0	*****	****	0	****	0	******	******	******	******	2.010	30	*****	1.30	24
DEWAR	2485	6	*****	0	*****	****	0	****	0	******	******	******	******	2.503	30	-2.04	1.95	24
DUSTIN	2690	6	*****	0	*****	****	0	****	0	******	******	******	******	3.370	30	*****	2.82	24
EUFAULA	2993	6	79.2	29	4.5	114	1	51	28	9	-2	421	120	3.300	30	-1.27	2.47	24
HANNA	3884	6	76.1	29	2.5	109	3	41	27	19	7	341	71	2.551	30	-2.03	2.45	24
HASKELL	3956	6	*****	0	*****	****	0	****	0	******	******	******	******	2.690	30	-1.70	2.30	24
HOLDENVILLE	4235	6	75.4	30	1.6	111	3	38	26	37	27	348	74	2.330	30	-1.74	1.80	23
LAKE EUFAULA	4975	6	75.7	29	*****	107	2	43	26	38	******	347	******	2.910	29	*****	1.97	24
LYONS	5437	6	*****	0	*****	****	0	****	0	******	******	******	******	2.070	30	-2.75	0.87	24
MARBLE CITY	5546	6	*****	0	*****	****	0	****	0	******	******	******	******	2.390	30	*****	1.50	24
MCALESTER	5664	6	76.2	30	2.5	108	3	39	26	31	15	365	88	2.742	30	-2.12	2.67	24
MCCURTAIN	5693	6	78.2	30	4.2	109	3	39	26	23	9	418	134	2.651	30	-2.11	2.42	24
MUSKOGEE	6130	6	74.7	30	1.2	109	1	39	25	38	23	330	60	2.022	30	-2.49	1.58	23
OKMULGEE	6670	6	74.2	30	2.3	108	1	39	26	31	10	308	80	2.430	30	-1.48	1.66	24
OKTAHA	6678	6	*****	0	*****	****	0	****	0	******	******	******	******	2.780	30	*****	1.93	24
SALLISAW	7862	6	76.1	30	2.3	107	4	40	26	37	26	371	96	2.330	30	-2.18	1.66	24
SCIPIO	7979	6	*****	0	*****	****	0	****	0	******	******	******	******	1.610	30	*****	1.31	24
SHORT	8170	6	*****	0	*****	****	0	****	0	******	******	******	******	3.650	30	*****	2.05	24
STILWELL	8506	6	72.5	30	0.8	106	3	35	26	37	17	261	40	2.460	30	-2.26	1.61	24
TAHLEQUAH	8677	6	75.3	30	2.8	106	3	36	26	27	-1	337	85	3.250	30	-1.74	2.31	24
WEBBERS FALL	9445	6	76.3	28	*****	112	4	38	27	34	******	351	******	2.340	30	-2.27	1.65	24
WETUMKA	9571	6	*****	0	*****	****	0	****	0	******	******	******	******	3.073	30	-1.51	3.07	24

SEPTEMBER 2000 SUMMARY FOR SOUTHWEST DIVISION (CD7)

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
ALTUS	179	7	76.1	30	1.0	109	3	38	26	32	26	365	56	2.050	30	-1.39	1.95	24
ALTUS DAM	184	7	79.1	29	5.1	110	5	35	27	39	31	448	170	0.060	30	-3.37	0.04	24
ANADARKO	224	7	73.7	29	0.0	106	4	38	27	53	40	305	31	2.420	30	-1.29	2.42	24
APACHE	260	7	*****	0	*****	****	0	****	0	******	******	******	******	1.820	30	-1.93	1.82	24
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	******	******	******	******	0.000	29	*****	0.00	30
CARNEGIE	1504	7	76.5	30	2.6	108	5	39	25	41	29	386	107	0.300	30	-3.73	0.26	24
CHATTANOOGA	1706	7	77.4	26	*****	113	5	38	26	33	******	355	******	0.220	30	-3.45	0.21	24
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	******	******	******	******	0.000	31	*****	0.00	31
FREDERICK	3353	7	78.3	25	*****	109	4	43	27	26	******	359	******	0.300	30	-3.28	0.30	23
HEADRICK	3998	7	*****	0	*****	****	0	****	0	******	******	******	******	1.700	30	*****	1.70	24
HOBART	4204	7	77.4	30	3.5	110	4	37	26	33	23	406	129	0.360	30	-3.19	0.16	24
HOLLIS	4249	7	76.8	30	2.3	109	4	35	25	29	23	384	93	0.070	30	-3.06	0.07	23
LAWTON	5063	7	76.3	28	*****	108	4	41	26	32	******	349	******	1.450	30	-2.21	0.86	12
LOOKEBA	5329	7	*****	0	*****	****	0	****	0	******	******	******	******	0.221	30	-4.13	0.22	24
MANGUM	5509	7	77.5	23	*****	107	3	42	26	28	******	315	******	0.000	30	-3.38	0.00	30
RANDLETT	7403	7	*****	0	*****	****	0	****	0	******	******	******	******	0.681	30	*****	0.42	23
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	******	******	******	******	2.200	30	-1.13	2.20	24
SEDAN	8016	7	*****	0	*****	****	0	****	0	******	******	******	******	1.380	30	*****	1.36	24
SNYDER	8299	7	*****	0	*****	****	0	****	0	******	******	******	******	1.230	30	-2.34	1.23	24
VINSON	9212	7	*****	0	*****	****	0	****	0	******	******	******	******	0.040	30	-3.16	0.04	24
WALTERS	9278	7	77.1	30	1.6	111	5	40	27	36	27	398	74	2.300	30	-1.95	2.30	12
WICHITA MT	9629	7	76.1	30	3.7	111	5	37	26	46	33	380	145	1.090	30	-2.94	1.09	24
WILLOW	9668	7	*****	0	*****	****	0	****	0	******	******	******	******	0.080	30	*****	0.08	24

SEPTEMBER 2000 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

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
ADA	17	8	77.7	30	3.9	109	3	39	26	26	18	407	135	1.310	30	-3.15	0.67	13
ALLEN	147	8	*****	0	*****	****	0	****	0	******	******	******	******	******	0	*****	*****	0
ARDMORE	292	8	78.9	23	*****	110	2	45	25	18	******	339	******	1.190	30	-2.98	1.06	25
ATOKA DAM	394	8	72.8	22	*****	103	12	36	26	42	******	214	******	0.461	23	*****	0.41	24
BOKCHITO	917	8	*****	0	*****	****	0	****	0	******	******	******	******	1.960	30	*****	1.80	25
CANEY	1437	8	*****	0	*****	****	0	****	0	******	******	******	******	-8.769	31	*****	1.23	25
CENTRAHOMA	1648	8	76.6	30	*****	112	4	38	27	37	******	385	******	0.650	30	*****	0.65	24
CHICKASAW	1745	8	76.6	30	3.0	111	4	37	26	41	27	389	117	1.320	30	-3.32	0.83	24
COLEMAN	2011	8	*****	0	*****	****	0	****	0	******	******	******	******	2.110	30	*****	1.51	3
COMANCHE	2054	8	78.3	30	*****	107	4	44	26	24	******	424	******	0.000	30	-4.48	0.00	30
DAISY	2354	8	*****	0	*****	****	0	****	0	******	******	******	******	1.870	30	-3.69	0.96	24
DUNCAN	2660	8	77.3	30	3.1	108	5	41	26	34	25	402	117	0.012	30	-4.40	0.01	23
DURANT	2678	8	75.8	30	1.9	110	3	40	26	35	25	359	82	1.371	30	-4.04	1.32	23
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	******	******	******	******	0.090	30	*****	0.09	24
GRADY	3688	8	*****	0	*****	****	0	****	0	******	******	******	******	0.140	30	*****	0.14	2
HEALDTON	4001	8	77.0	28	*****	111	4	38	27	39	******	376	******	0.080	30	-4.46	0.06	25
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	******	******	******	******	0.550	30	*****	0.55	24
KETCHUM RAN	4780	8	*****	0	*****	****	0	****	0	******	******	******	******	0.000	30	*****	0.00	30
KINGSTON	4865	8	*****	0	*****	****	0	****	0	******	******	******	******	0.600	30	-4.18	0.42	23
LEHIGH	5108	8	*****	0	*****	****	0	****	0	******	******	******	******	0.281	30	*****	0.23	24
LINDSAY	5216	8	74.7	30	1.1	109	4	37	26	43	29	332	60	0.400	30	-3.91	0.40	23
LOCO	5247	8	*****	0	*****	****	0	****	0	******	******	******	******	******	0	*****	*****	0
MADILL	5468	8	77.2	30	1.8	109	4	41	27	35	27	402	82	0.820	30	-4.00	0.45	24
MARIETTA 5 S	5563	8	75.8	30	0.4	110	5	36	27	45	37	369	49	0.470	30	-3.72	0.35	24
MARLOW	5581	8	79.2	30	5.5	114	3	34	26	28	18	453	182	0.260	30	-4.07	0.24	24
MCGEE CREEK	5713	8	77.7	30	*****	112	4	42	27	32	******	413	******	4.060	30	*****	2.57	24
PAULS VALLEY	6926	8	75.6	30	1.0	112	4	35	27	43	34	361	64	0.180	30	-3.87	0.18	24
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	******	******	******	******	0.582	30	-3.42	0.58	23
TISHOMINGO	8884	8	*****	0	*****	****	0	****	0	******	******	******	******	0.480	30	-4.43	0.48	23
TUSSY	9032	8	*****	0	*****	****	0	****	0	******	******	******	******	0.090	30	*****	0.09	24
WAURIKA	9395	8	80.5	30	4.8	114	4	39	26	16	16	482	156	0.081	30	-3.83	0.08	23

SEPTEMBER 2000 SUMMARY FOR SOUTHEAST DIVISION (CD9)

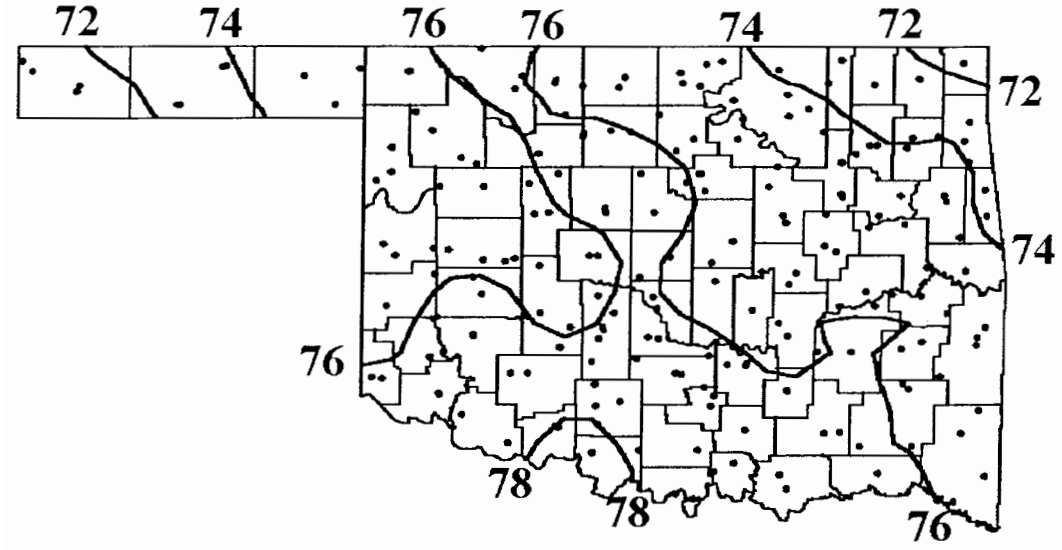
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	*****	0	*****	****	0	****	0	******	******	******	******	-9.999	1	*****	0.00	23
BATTIEST	567	9	*****	0	*****	****	0	****	0	******	******	******	******	-9.999	1	*****	0.00	23
BENGAL	670	9	*****	0	*****	****	0	****	0	******	******	******	******	3.970	30	*****	3.18	24
BROKEN BOW	1162	9	*****	0	*****	****	0	****	0	******	******	******	******	2.101	30	-2.44	1.62	25
CARNASAW	1499	9	*****	0	*****	****	0	****	0	******	******	******	******	1.831	30	-2.76	1.36	25
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	******	******	******	******	2.370	30	-2.42	1.53	25
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	******	******	******	******	3.870	30	-0.81	3.32	24
HEAVENER	4008	9	*****	0	*****	****	0	****	0	******	******	******	******	3.890	30	-0.68	3.23	23
IDABEL	4451	9	76.7	22	*****	109	2	43	26	22	******	279	******	2.511	29	*****	2.30	25
PAGE	6842	9	82.4	13	*****	107	4	57	6	0	******	227	******	2.291	21	*****	2.02	24
POTEAU	7254	9	75.8	29	*****	110	3	38	25	26	******	341	******	2.502	30	*****	2.07	23
SMITHVILLE	8285	9	72.8	29	1.0	107	5	35	27	54	33	281	56	2.091	30	-2.48	1.60	24
SPIRO	8416	9	*****	0	*****	****	0	****	0	******	******	******	******	2.740	30	-1.30	1.80	24
TUSKAHOMA	9023	9	77.1	30	2.9	110	3	38	26	28	15	389	100	2.222	30	-2.96	1.30	24
VALLIANT	9118	9	*****	0	*****	****	0	****	0	******	******	******	******	2.231	30	-2.74	1.46	25
WILBURTON	9634	9	76.1	30	3.2	110	1	36	26	30	15	363	111	2.900	30	-1.99	2.50	23
WISTER	9724	9	75.7	30	*****	109	5	39	26	36	******	356	******	3.520	30	*****	3.52	24

SEPTEMBER 2000 CLIMATE DIVISION SUMMARY

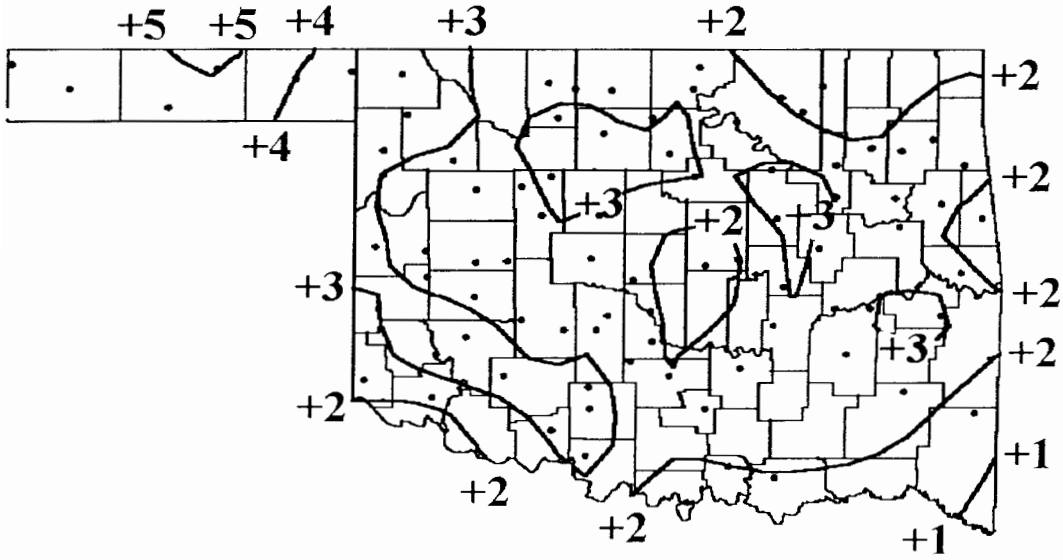
CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
1	73.9	9	4.2	112	6	29	26	57.1	28.4	321.6	151.2	0.07	13	-2.01	0.2	24
2	75.6	14	3.1	112	4	30	26	51	35	366	126	0.050	25	-3.37	0.23	4
3	74.9	13	2.5	112	2	30	26	35	15	333	90	1.060	26	-3.82	3.45	24
4	75.1	11	2.6	110	4	29	27	52	37	353	114	0.040	21	-3.24	0.30	23
5	76.3	13	2.9	111	4	34	27	36	22	371	104	1.220	35	-3.00	2.92	24
6	75.8	11	2.5	114	1	35	26	29	14	349	86	2.550	25	-2.02	3.80	24
7	76.6	8	2.3	113	5	35	25	38	30	384	97	0.910	22	-2.74	2.42	24
8	77.2	13	2.6	114	4	34	26	34	25	398	102	0.440	28	-4.11	2.57	24
9	75.5	5	2.1	110	1	35	27	35	21	346	81	2.790	13	-1.86	3.52	24

MESONET MONTHLY SUMMARY FOR SEPTEMBER 2000

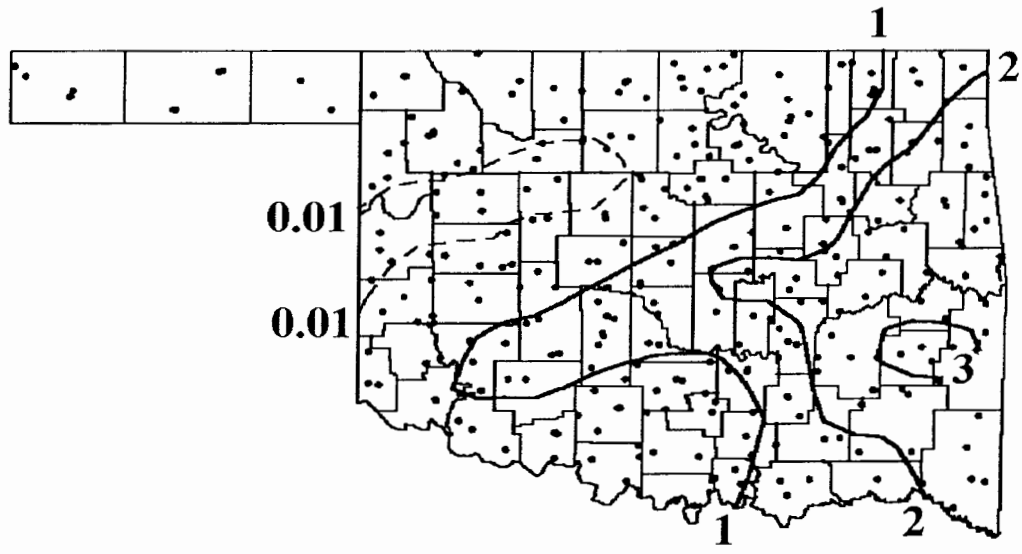
NAME	MEAN TEMP	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HDD	CDD	TOT PPT	MAX 24-HR	MAX DAY	NAME	MEAN TEMP	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HDD	CDD	TOT PPT	MAX 24-HR	MAX DAY
											PANHANDLE										
Arnett	74.9	106	4	35	25	47	343	0.00	0.00	1	Goodwell	72.9	104	4	29	25	60	296	0.03	0.02	23
Beaver	74.9	108	4	30	25	58	355	0.05	0.03	23	Hooker	72.6	105	4	31	25	61	288	0.04	0.03	23
Boise City	70.2	100	3	29	25	73	230	0.05	0.02	8	Kenton	70.8	101	4	33	25	65	239	0.02	0.02	8
Buffalo	75.3	109	4	32	26	59	367	0.19	0.11	3	Slapout	74.8	108	4	33	25	53	347	0.13	0.10	23
NORTH CENTRAL																					
Alva	75.8	110	3	34	26	46	370	0.02	0.01	23	May Ranch	75.8	108	3	34	25	50	372	0.23	0.11	3
Blackwell	75.1	108	2	33	26	45	346	0.07	0.05	4	Medford	76.0	108	2	34	26	44	373	0.03	0.02	24
Breckenridge	75.8	108	2	35	26	42	366	0.04	0.03	24	Newkirk	74.6	107	2	41	25	40	326	0.20	0.12	4
Cherokee	76.3	109	2	34	26	46	384	0.02	0.02	23	Red Rock	75.3	109	2	34	26	39	350	0.09	0.05	24
Fairview	77.2	109	3	37	26	35	399	0.01	0.01	24	Seiling	75.3	109	4	33	26	46	353	0.00	0.00	1
Freedom	76.4	109	3	34	25	47	389	0.10	0.05	23	Woodward	76.3	108	4	35	25	43	383	0.04	0.03	23
Lahoma	76.2	109	3	36	26	39	374	0.00	0.00	1											
											NORTHEAST										
Bixby	73.3	107	1	37	26	40	290	1.05	0.89	24	Nowata	72.6	107	1	34	26	56	285	1.01	0.50	23
Burbank	73.9	109	2	33	26	48	315	0.07	0.06	4	Pawnee	75.0	108	2	36	26	35	334	0.21	0.13	4
Catoosa	75.6	109	1	39	26	36	352	1.52	1.29	24	Porter	74.5	107	1	40	26	32	316	3.19	1.53	24
Claremore	73.9	109	2	39	26	40	308	1.60	1.10	24	Pryor	72.7	107	1	35	26	51	281	1.32	0.79	24
Copan	73.8	108	2	37	26	42	307	0.51	0.25	24	Skiatook	75.1	107	1	42	26	32	336	1.19	0.80	4
Foraker	73.4	109	2	38	26	46	299	0.54	0.38	3	Vinita	71.6	106	1	34	26	56	253	0.87	0.52	23
Jay	72.8	107	2	36	26	52	288	3.66	1.57	23	Wynona	74.3	108	2	35	26	38	318	0.12	0.08	24
Miami	71.6	105	1	36	26	60	259	1.51	1.00	12											
											WEST CENTRAL										
Bessie	77.6	110	4	39	25	29	408	0.05	0.05	24	Putnam	****	***	**	***	**	****	****	0.00	0.00	1
Butler	76.4	109	4	32	26	35	342	0.02	0.02	24	Retrop	77.1	109	4	40	25	28	392	0.15	0.15	24
Camargo	74.9	109	4	29	26	48	346	0.00	0.00	1	Watonga	76.5	108	3	38	25	36	382	0.01	0.01	24
Cheyenne	76.4	106	4	37	25	33	374	0.00	0.00	1	Weatherford	76.6	107	3	38	25	34	380	0.03	0.03	24
Erick	74.3	107	4	32	26	44	324	0.01	0.01	24											
											CENTRAL										
Acme	76.3	109	3	37	26	36	377	1.13	0.96	24	Minco	75.8	108	3	41	25	35	360	1.31	0.57	23
Bowlegs	74.5	108	1	36	26	40	326	1.70	1.70	24	Ninnekah	76.9	109	2	39	26	35	392	1.96	1.05	24
Bristow	72.8	106	1	35	26	45	279	1.37	1.15	24	Norman	75.8	108	3	42	26	34	357	2.79	1.47	24
Chandler	75.6	108	2	39	26	33	350	1.69	1.04	24	Oilton	73.7	109	2	35	26	48	307	0.99	0.52	24
Chickasha	75.4	109	3	39	26	38	351	2.61	1.58	23	Okemah	74.8	108	2	38	26	33	328	1.37	1.31	24
El Reno	74.0	108	3	30	26	51	321	0.21	0.12	24	Perkins	76.3	109	2	36	26	35	374	0.13	0.09	23
Guthrie	77.3	110	3	37	26	35	404	0.09	0.06	24	Shawnee	76.0	108	3	41	26	34	364	2.51	1.34	24
Kingfisher	76.5	111	3	33	26	40	386	0.00	0.00	1	Spencer	76.8	109	3	40	26	33	386	1.28	0.94	24
Marena	75.7	108	2	37	26	35	354	0.09	0.08	23	Stillwater	75.2	108	2	33	26	44	349	0.05	0.03	23
Marshall	76.6	110	2	33	26	38	385	0.01	0.01	24	Washington	75.8	109	3	42	26	32	354	1.29	1.25	24
											EAST CENTRAL										
Calvin	75.3	111	3	36	26	33	340	1.50	1.41	24	Sallisaw	75.8	109	3	39	26	29	354	2.17	1.72	24
Cookson	74.7	108	1	36	26	38	328	1.97	1.08	24	Stigler	74.7	109	2	37	26	34	324	2.48	2.00	24
Eufaula	75.8	108	1	41	26	28	352	2.57	2.17	24	Stuart	75.9	109	3	41	26	28	356	1.89	1.29	24
Haskell	74.2	108	1	39	26	34	309	3.12	1.55	24	Tahlequah	73.7	107	1	35	26	42	301	3.42	1.74	24
Hectorville	76.1	108	1	43	26	26	358	1.51	0.97	24	Webbers Falls	74.6	108	1	39	26	34	321	3.11	2.26	24
McAlester	75.9	109	2	39	26	29	356	2.86	2.80	24	Westville	73.8	106	2	36	26	40	303	2.85	1.56	23
Okmulgee	73.4	108	1	37	26	40	293	2.20	1.23	24											
											SOUTHWEST										
Altus	75.9	108	4	39	26	30	359	2.03	2.01	23	Hollis	76.9	109	4	35	26	30	387	0.08	0.08	22
Apache	75.7	107	3	41	25	34	356	2.34	1.83	23	Mangum	74.8	109	4	30	26	40	336	0.09	0.05	22
Fort Cobb	75.6	108	3	39	26	35	354	1.25	0.79	24	Medicine Park	77.7	108	4	40	25	30	410	1.24	1.21	23
Grandfield	77.5	111	4	38	26	27	402	0.06	0.05	11	Tipton	77.5	109	4	37	26	30	405	0.26	0.25	23
Hinton	75.5	108	4	38	25	41	355	0.23	0.12	23	Walters	77.8	112	4	38	26	29	414	1.10	1.01	12
Hobart	77.0	109	4	37	26	34	393	0.39	0.20	24											
											SOUTH CENTRAL										
Ada	76.5	110	3	38	26	32	376	1.28	0.73	12	Madill	77.4	110	1	39	26	27	400	0.79	0.72	24
Ardmore	77.1	111	3	42	26	26	390	0.80	0.41	24	Pauls Valley	76.7	110	3	37	26	32	384	0.37	0.33	24
Burneyville	77.3	111	3	38	26	27	395	0.69	0.63	24	Ringling	78.0	110	3	40	26	26	416	0.00	0.00	1
Byars	76.9	107	2	43	25	29	385	0.76	0.76	24	Sulphur	76.2	108	3	37	26	34	370	1.27	0.88	24
Centrahoma	75.2	109	1	35	26	35	342	0.55	0.27	23	Tishomingo	75.7	110	3	36	26	32	351	0.63	0.34	24
Durant	77.2	109	4	44	26	21	386	2.51	2.47	24	Vanoss	76.2	109	3	37	26	34	370	0.84	0.80	24
Ketchum Ranch	76.9	108	3	38	26	31	388	0.00	0.00	1	Waurika	78.5	111	3	38	26	27	431	0.10	0.09	22
Lane	75.8	110	3	39	26	27	352	2.80	1.45	12											
											SOUTHEAST										
Antlers	74.6	110	1	34	26	33	320	1.08	1.00	24	Idabel	75.8	110	3	41	26	22	345	2.22	2.06	24
Broken Bow	74.8	109	3	38	26	26	318	2.55	2.12	24	Mt Herman	75.3	107	4	37	26	26	385	*****	*****	**
Clayton	75.7	110	3	39	26	30	350	2.80	1.73	24	Talihina	75.6	111	2	36	26	30	349	3.02	2.41	24
Cloudy	75.8	110	4	40	26	26	351	2.35	1.62	24	Wilburton	74.8	109	2	36	26	34	328	4.56	2.00	12
Hugo	77.2	110	3	42	26	20	384	1.35	1.34	24	Wister	74.6	110	3	38	26	30	318	3.64	2.42	24



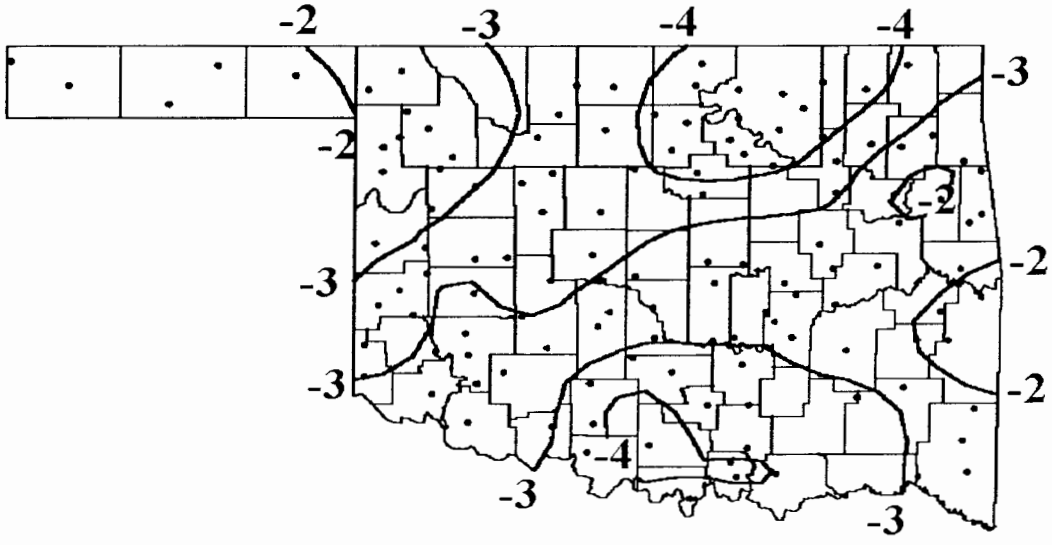
SEPTEMBER 2000 AVERAGE MONTHLY TEMPERATURE (F)



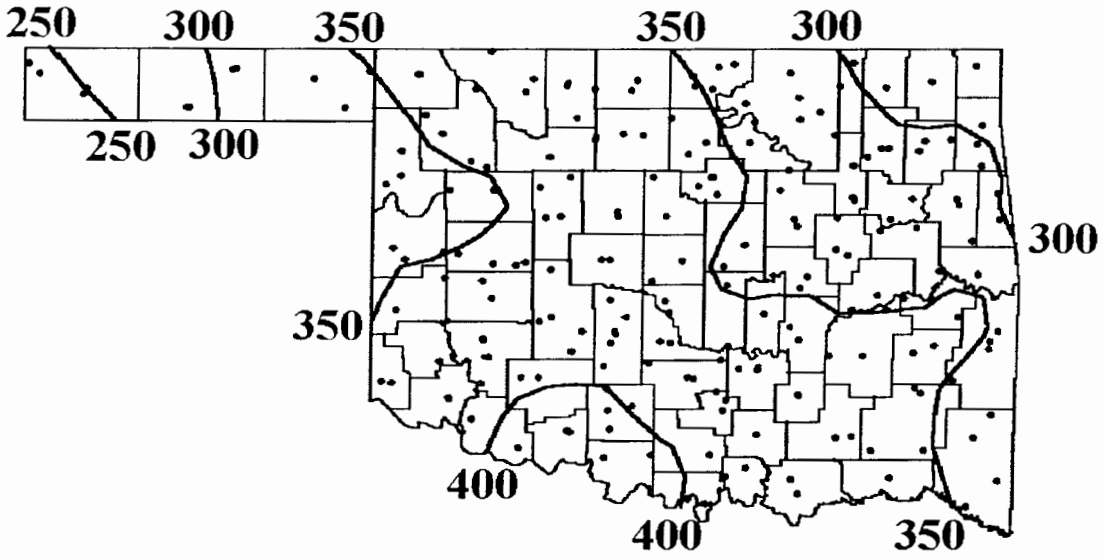
SEPTEMBER 2000 DEPARTURE FROM NORMAL TEMPERATURE (F)



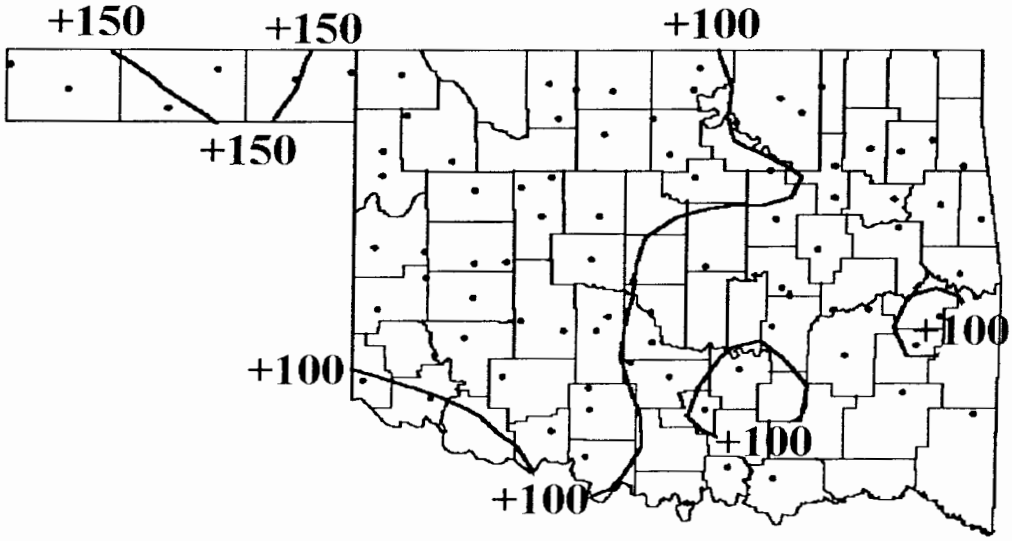
SEPTEMBER 2000 AVERAGE MONTHLY PRECIPITATION (INCHES)



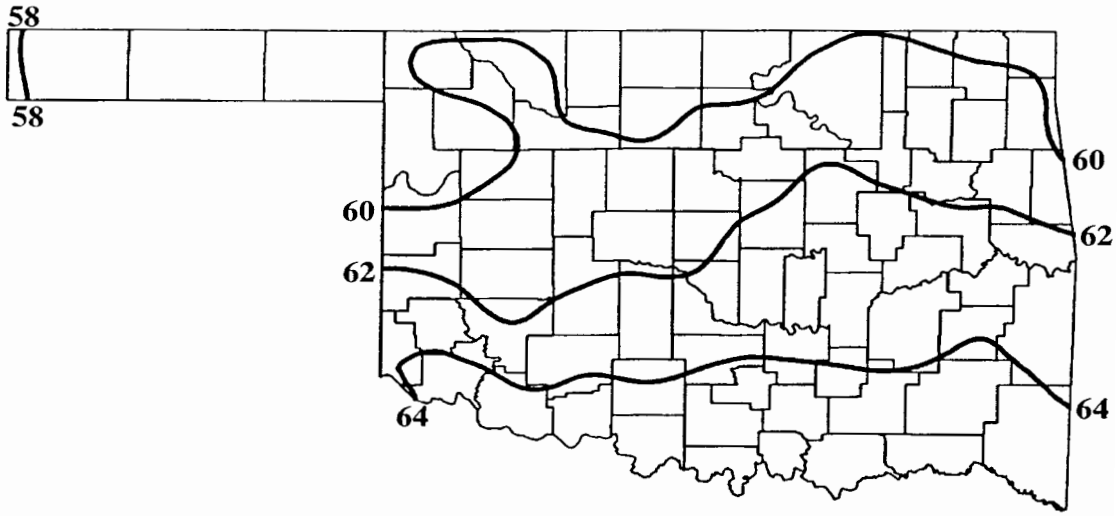
SEPTEMBER 2000 DEPARTURE FROM NORMAL PRECIPITATION (INCHES)



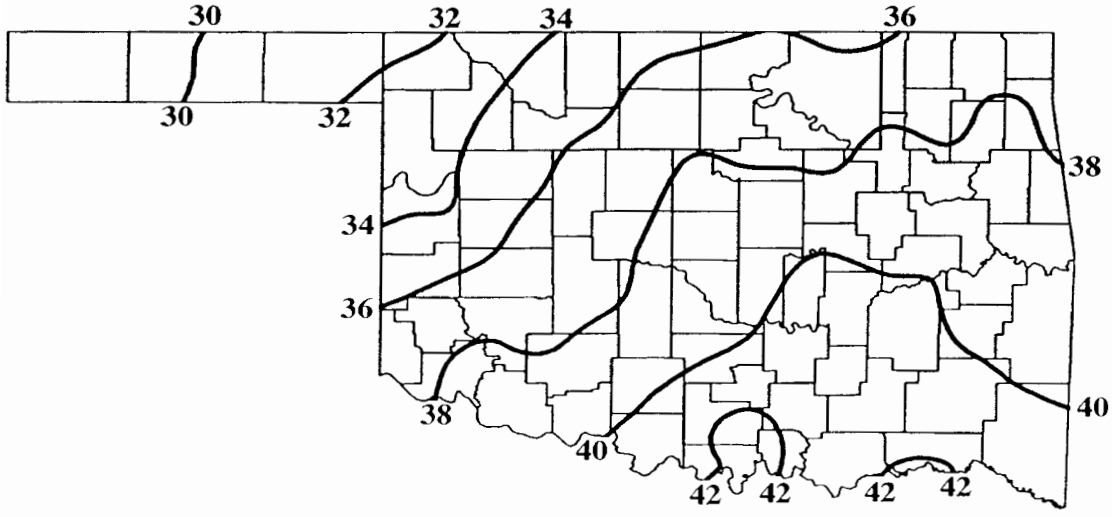
SEPTEMBER 2000 ACCUMULATED COOLING DEGREE DAYS (F)



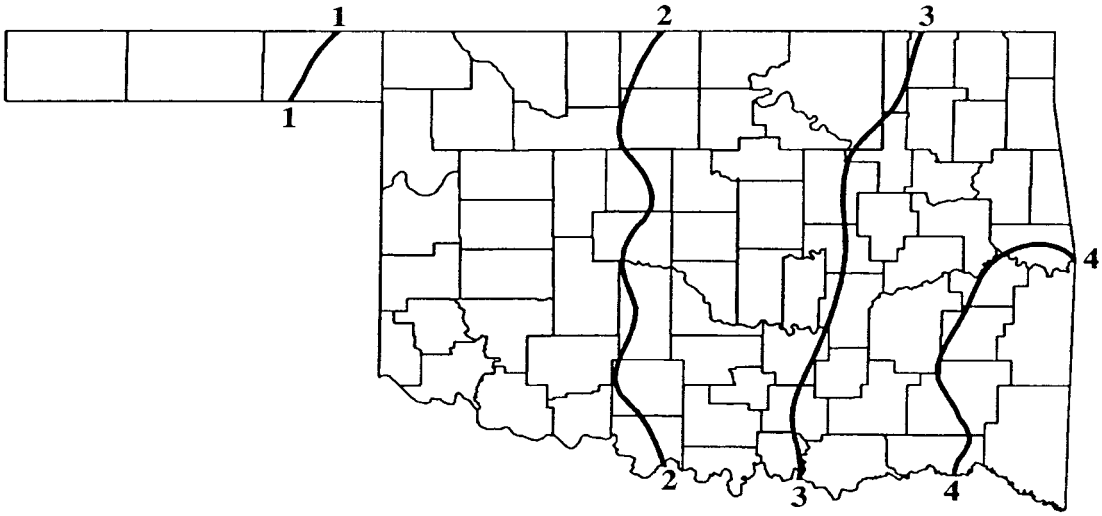
SEPTEMBER 2000 DEPARTURE FROM NORMAL COOLING DEGREE DAYS (F)



NOVEMBER NORMAL DAILY MAXIMUM TEMPERATURE (F)



NOVEMBER NORMAL DAILY MINIMUM TEMPERATURE (F)



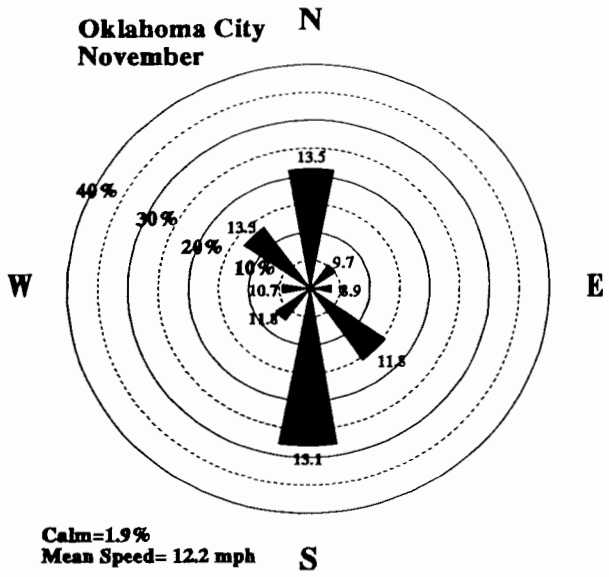
NOVEMBER NORMAL MONTHLY PRECIPITATION (INCHES)

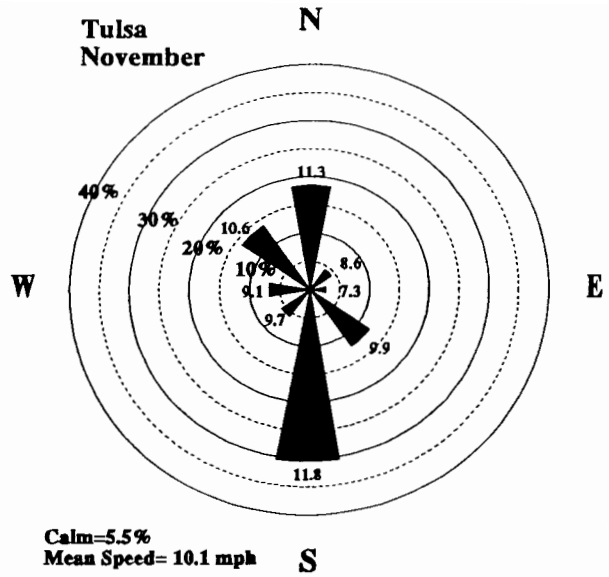
OUTLOOK FOR NOVEMBER 2000 THROUGH JANUARY 2001

BASED ON SEASONAL OUTLOOK PROVIDED BY THE CLIMATE PREDICTION CENTER

TEMPERATURE: ABOVE NORMAL TEMPERATURE STATEWIDE

PRECIPITATION: ABOVE NORMAL PRECIPITATION STATEWIDE





November Wind Roses for Oklahoma City and Tulsa. The frequencey (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 directon in miles per hour.

NOVEMBER SUNRISE/SUNSET TIMES FOR 2000

ALL TIMES ARE CENTRAL STANDARD TIME

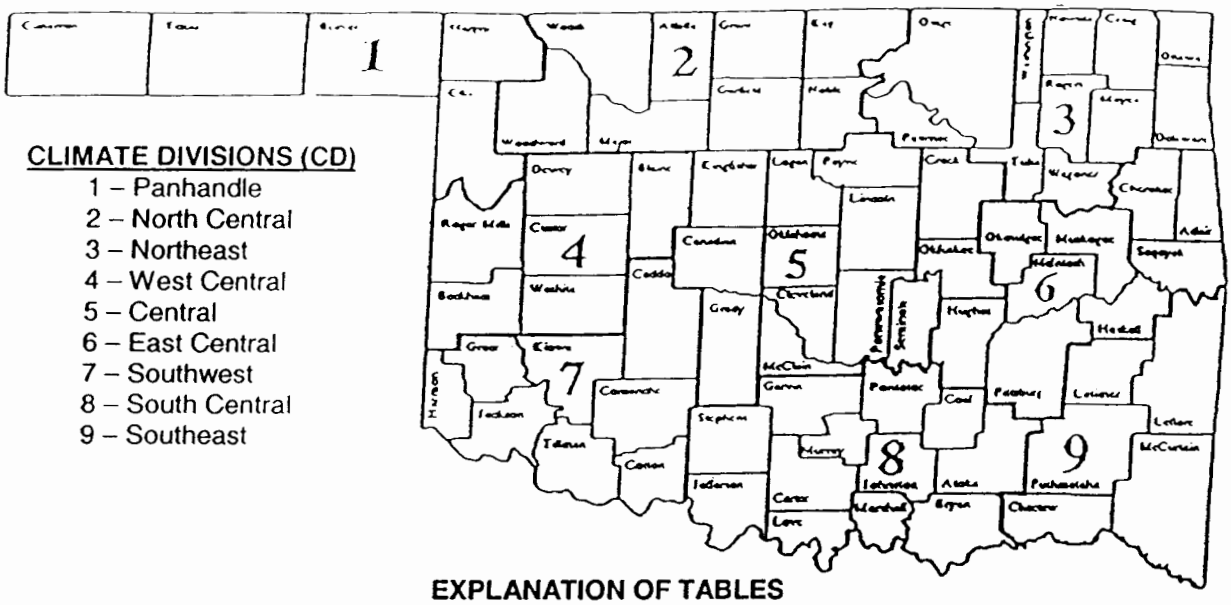
OKLAHOMA CITY

DATE	SUNRISE	SUNSET
11/1/00	6:52 AM	5:35 PM
11/2/00	6:53 AM	5:34 PM
11/3/00	6:54 AM	5:33 PM
11/4/00	6:55 AM	5:32 PM
11/5/00	6:56 AM	5:31 PM
11/6/00	6:57 AM	5:30 PM
11/7/00	6:58 AM	5:29 PM
11/8/00	6:59 AM	5:28 PM
11/9/00	7:00 AM	5:28 PM
11/10/00	7:01 AM	5:27 PM
11/11/00	7:02 AM	5:26 PM
11/12/00	7:03 AM	5:25 PM
11/13/00	7:04 AM	5:25 PM
11/14/00	7:05 AM	5:24 PM
11/15/00	7:06 AM	5:23 PM
11/16/00	7:07 AM	5:23 PM
11/17/00	7:08 AM	5:22 PM
11/18/00	7:09 AM	5:22 PM
11/19/00	7:10 AM	5:21 PM
11/20/00	7:11 AM	5:21 PM
11/21/00	7:12 AM	5:20 PM
11/22/00	7:13 AM	5:20 PM
11/23/00	7:14 AM	5:19 PM
11/24/00	7:15 AM	5:19 PM
11/25/00	7:16 AM	5:19 PM
11/26/00	7:17 AM	5:18 PM
11/27/00	7:18 AM	5:18 PM
11/28/00	7:19 AM	5:18 PM
11/29/00	7:19 AM	5:18 PM
11/30/00	7:20 AM	5:17 PM

TULSA

DATE	SUNRISE	SUNSET
11/1/00	6:47 AM	5:27 PM
11/2/00	6:48 AM	5:26 PM
11/3/00	6:49 AM	5:25 PM
11/4/00	6:50 AM	5:24 PM
11/5/00	6:51 AM	5:23 PM
11/6/00	6:52 AM	5:23 PM
11/7/00	6:53 AM	5:22 PM
11/8/00	6:54 AM	5:21 PM
11/9/00	6:55 AM	5:20 PM
11/10/00	6:56 AM	5:19 PM
11/11/00	6:57 AM	5:18 PM
11/12/00	6:58 AM	5:18 PM
11/13/00	6:59 AM	5:17 PM
11/14/00	7:00 AM	5:16 PM
11/15/00	7:01 AM	5:16 PM
11/16/00	7:02 AM	5:15 PM
11/17/00	7:03 AM	5:14 PM
11/18/00	7:04 AM	5:14 PM
11/19/00	7:05 AM	5:13 PM
11/20/00	7:06 AM	5:13 PM
11/21/00	7:07 AM	5:12 PM
11/22/00	7:08 AM	5:12 PM
11/23/00	7:09 AM	5:11 PM
11/24/00	7:10 AM	5:11 PM
11/25/00	7:11 AM	5:11 PM
11/26/00	7:12 AM	5:10 PM
11/27/00	7:13 AM	5:10 PM
11/28/00	7:14 AM	5:10 PM
11/29/00	7:15 AM	5:10 PM
11/30/00	7:16 AM	5:09 PM

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:

$$\sum_{I=1}^{29} 65-((TMAX_I + TMIN_I) / 2)$$

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 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 November

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	55	67	83	1916	34	1951		44	65	1936	25	1991		0.08	1.05	1981	
2	55	66	83	1924	26	1991		44	66	1938	19	1991		0.08	1.51	1974	
3	55	66	84	1909	36	1991		43	63	1994	11	1991		0.08	1.51	1964	
4	54	65	83	1921	40	1990		43	58	1916	23	1936		0.08	2.17	1986	
5	54	65	87	1891	34	1951		43	64	1924	23	1951		0.08	1.23	1994	
6	53	64	85	1980	39	1959		42	63	1945	20	1959		0.08	2.14	1895	
7	53	64	86	1980	41	1953		42	62	1916	23	1993		0.07	1.71	1920	
8	53	64	87	1980	39	1936		41	66	1966	19	1991		0.07	1.42	1895	
9	52	63	82	1988	37	1950		41	61	1939	25	1955		0.07	1.15	1977	
10	52	63	83	1995	33	1950		41	60	1982	20	1950		0.07	1.17	1937	
11	51	62	83	1911	33	1935		40	61	1922	17	1911		0.07	1.10	1988	
12	51	62	79	1910	29	1940		40	62	1902	14	1911		0.07	1.18	1922	
13	51	61	80	1967	28	1986		40	61	1989	12	1940		0.07	3.22	1909	
14	50	61	79	1973	29	1940		39	65	1897	14	1916		0.07	1.56	1924	
15	50	60	84	1903	32	1932		39	61	1971	15	1940		0.07	2.43	1890	
16	49	60	82	1941	31	1937		38	64	1958	14	1932		0.06	3.94	1931	
17	49	60	80	1896	30	1903		38	61	1896	9	1894		0.06	1.70	1984	
18	49	59	80	1930	35	1903		38	64	1934	13	1903		0.06	2.14	1899	
19	48	59	82	1898	31	1937		37	63	1913	18	1937		0.06	4.46	1899	
20	48	58	78	1989	25	1906		37	60	1990	19	1937		0.06	2.17	1994	
21	47	58	80	1927	29	1926		37	58	1902	14	1898		0.06	1.48	1916	
22	47	58	78	1982	27	1898		36	60	1966	15	1898		0.06	1.54	1931	
23	47	57	79	1973	29	1895		36	60	1966	19	1950		0.06	1.62	1931	
24	46	57	76	1990	32	1918		35	60	1966	15	1950		0.06	1.14	1973	
25	46	56	84	1965	28	1993		35	62	1966	15	1993		0.06	2.01	1940	
26	45	56	81	1910	31	1992		35	62	1990	13	1993		0.06	1.80	1982	
27	45	56	82	1905	25	1896		34	63	1927	16	1976		0.06	1.30	1908	
28	45	55	81	1949	26	1911		34	58	1927	14	1896		0.05	1.44	1908	
29	44	55	80	1927	28	1897		34	64	1933	11	1911		0.05	0.67	1996	
30	44	55	74	1946	32	1896		33	60	1933	13	1976		0.05	0.72	1909	
MONTH	49.6	60.4	87	1980	25	1906		38.6	66	1966	9	1894		1.98	4.46	1899	

*The most tornadoes reported in **NOVEMBER** for Oklahoma was **(12)** in **1958**.

TULSA CLIMATE CALENDAR
DATA COURTESY OF NATIONAL WEATHER SERVICE NORMAN

MONTH November

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	56	67	85	1916	37	1951		45	64	1987	25	1991		0.11	2.10	1901	
2	55	67	89	1909	27	1991		44	65	1983	20	1966		0.11	2.82	1974	
3	55	66	88	1909	36	1991		44	67	1983	16	1991		0.11	3.20	1974	
4	55	66	86	1914	39	1951		44	62	1909	21	1991		0.11	2.49	1994	
5	54	65	87	1914	34	1951		43	61	1924	25	1976		0.11	1.39	1994	
6	54	65	87	1945	39	1959		43	70	1924	20	1959		0.11	3.49	1996	
7	53	64	85	1980	41	1991		43	65	1945	22	1991		0.11	3.67	1918	
8	53	64	84	1980	41	1991		42	67	1966	16	1991		0.11	1.45	1977	
9	52	63	82	1934	42	1950		42	60	1931	23	1955		0.11	0.95	1916	
10	52	63	83	1995	37	1950		42	62	1949	21	1950		0.11	1.31	1937	
11	52	62	85	1989	31	1986		41	60	1949	17	1950		0.11	1.57	1992	
12	51	62	83	1999	31	1940		41	67	1931	15	1911		0.11	2.64	1972	
13	51	61	84	1910	30	1986		40	62	1989	12	1940		0.11	1.80	1985	
14	51	61	79	1989	30	1940		40	64	1913	13	1916		0.11	1.72	1909	
15	50	60	82	1950	38	1976		40	63	1964	11	1940		0.11	2.50	1964	
16	50	60	83	1963	28	1932		39	65	1958	14	1932		0.11	1.85	1996	
17	49	59	80	1969	31	1937		39	58	1941	11	1959		0.11	1.24	1952	
18	49	59	82	1930	32	1937		39	63	1934	19	1951		0.10	1.26	1964	
19	48	59	81	1908	29	1906		38	64	1913	14	1937		0.10	1.70	1900	
20	48	58	81	1989	28	1906		38	64	1913	16	1937		0.10	4.59	1979	
21	48	58	79	1927	30	1937		38	58	1913	18	1964		0.10	1.76	1934	
22	47	57	79	1966	33	1937		37	64	1913	16	1929		0.10	2.34	1931	
23	47	57	78	1974	33	1970		37	63	1966	17	1970		0.10	0.80	1931	
24	46	56	80	1965	35	1918		36	61	1966	14	1950		0.10	2.54	1973	
25	46	56	84	1965	31	1993		36	62	1915	17	1950		0.10	1.50	1940	
26	46	56	83	1965	30	1975		36	61	1927	14	1993		0.10	1.56	1982	
27	45	55	77	1927	35	1985		35	62	1927	16	1938		0.09	1.13	1982	
28	45	55	81	1949	26	1911		35	63	1998	13	1976		0.09	2.60	1908	
29	44	54	82	1927	32	1911		34	63	1933	10	1976		0.09	2.80	1908	
30	44	54	76	1933	32	1944		34	56	1933	13	1964		0.09	0.73	1981	
MONTH	49.9	60.3	89	1909	26	1911		39.5	70	1924	10	1976		0.10	4.59	1979	

* The average number of tornadoes reported in **NOVEMBER** for Oklahoma is **(1.4)**.