

# OKLAHOMA MONTHLY CLIMATE SUMMARY

## APRIL 2001

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**Oklahoma Climatological Survey**

## MONTHLY SUMMARY FOR APRIL 2001

### **April 2001**

*Statewide average temperature = 63.6° F*

*Statewide average rainfall = 1.37 inches*

Oklahoma was noticeably warm and dry during April. With a statewide-averaged temperature of 63.6 degrees, 2.9 degrees greater than normal, this ranks as the 17th warmest April since 1892. The year-to-date statewide-averaged temperature of 46.6 degrees is 0.7 degree less than normal and ranks this January-through-April period as the 34th coolest such period ever recorded for the state. Sporadic thunderstorm activity brought several episodes of severe weather to the state, but not a whole lot of precipitation. The statewide-averaged precipitation for the month was a bare 1.37 inches, 1.72 inches less than normal and the 7th least April precipitation of 110 on record. Combined March-April precipitation in the state was 2.82 inches, 3.08 inches less than normal. March-April 2001 was the 7th driest such period in the state's record. Annual-to-date precipitation, with a wet January-February balancing the dry March-April, stands at 9.09 inches when averaged across the state, a total that is 0.19 inch greater than normal to rank this period as the 47 wettest January-through-April on record for Oklahoma.

Several storm systems battered the state during the month. Tornadoes, strong winds, and hail were reported, but little significant rainfall occurred. On the 15th, Broken Bow (McCurtain County) reported a two-day precipitation accumulation of 2.40 inches. One-day totals of two inches or more included: Ardmore (Carter), 2.09 inches reported on the 14th; Tussy (Carter), 2.00 inches reported on the 13th, and Tishomingo (Johnston), 2.00 inches on the 14th.

Tornadoes were reported on the 6th near Cheyenne (Roger Mills); during the pre-dawn hours on the 11th near Harjo (Pottawatomie), Coalgate (Coal) and along the northeastern shore of Lake Texoma in Johnston County; and on the 14th near Watts (Adair) and near Stigler (Haskell). One person was killed in the Coalgate storm and several dwellings, including 3 frame homes were damaged near Watts.

### **April Normals**

*Statewide average temperature = 60.7° F*

*Statewide average rainfall = 3.09 inches*

Forty-six Oklahoma Mesonet sites recorded winds in excess of 50 miles per hour on the 6th, including peak wind reports of 76 miles per hour at Boise City (Cimarron) and 74 miles per hour at Buffalo (Harper). Sites near Goodwell (Texas), Kenton (Cimarron), Camargo (Dewey), Cherokee (Alfalfa), Alva (Woods), Freedom (site in Woodward), Seiling (site also in Woodward County), Butler (Custer), and Fort Cobb (Caddo) recorded peak winds of at least 60 miles per hour.

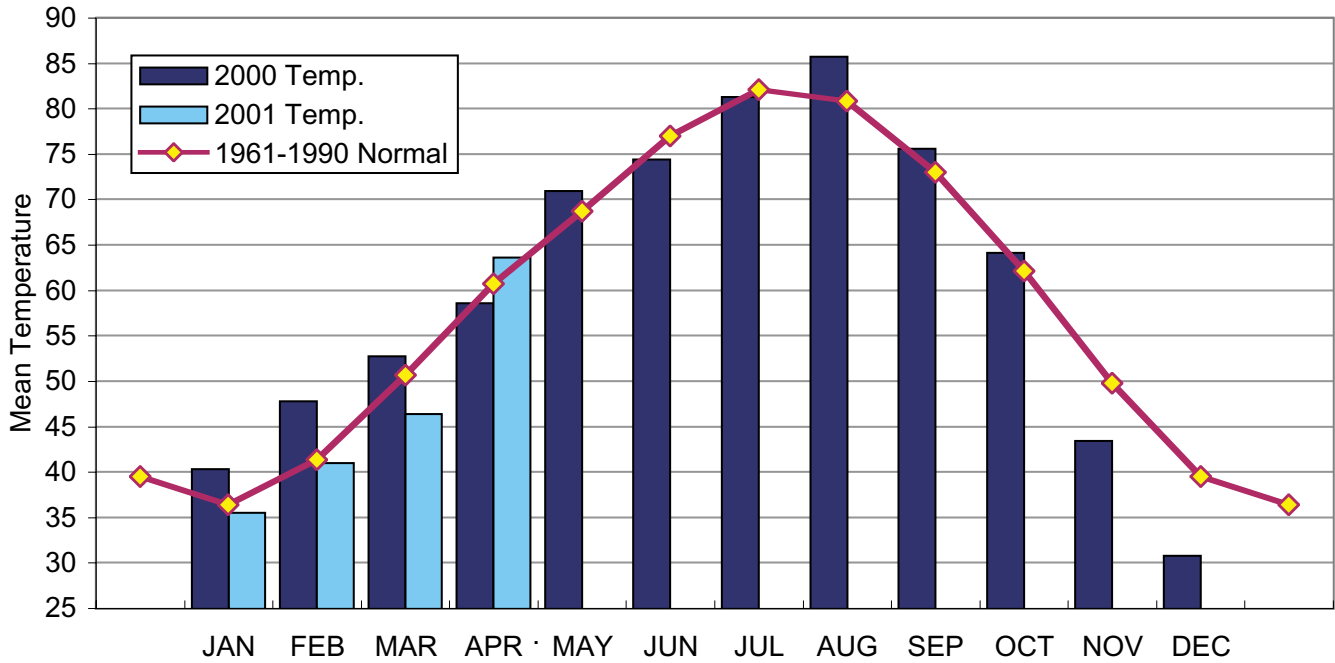
Thunderstorm-associated winds late in the afternoon on the 10th, extending through early morning on the 11th produced speeds of 50 miles per hour or greater at 54 Mesonet sites. The Stigler site registered a peak wind of 91 miles per hour. The sites near Marshall (Logan), the May Ranch (Woods), and Kingfisher (Kingfisher) each recorded peak winds greater than 70 miles per hour. The Miami site (Ottawa) recorded a 74-mile-per-hour peak wind on the 15th.

Gusts exceeding 50 miles per hour were recorded in northwest Oklahoma in response to a developing low-pressure area on the 20th and 21st. Thunderstorms triggered by that system spawned 50-mile-per-hour or greater winds at 23 Mesonet sites on the 22nd, including 61 miles per hour recorded near Newkirk (Kay)

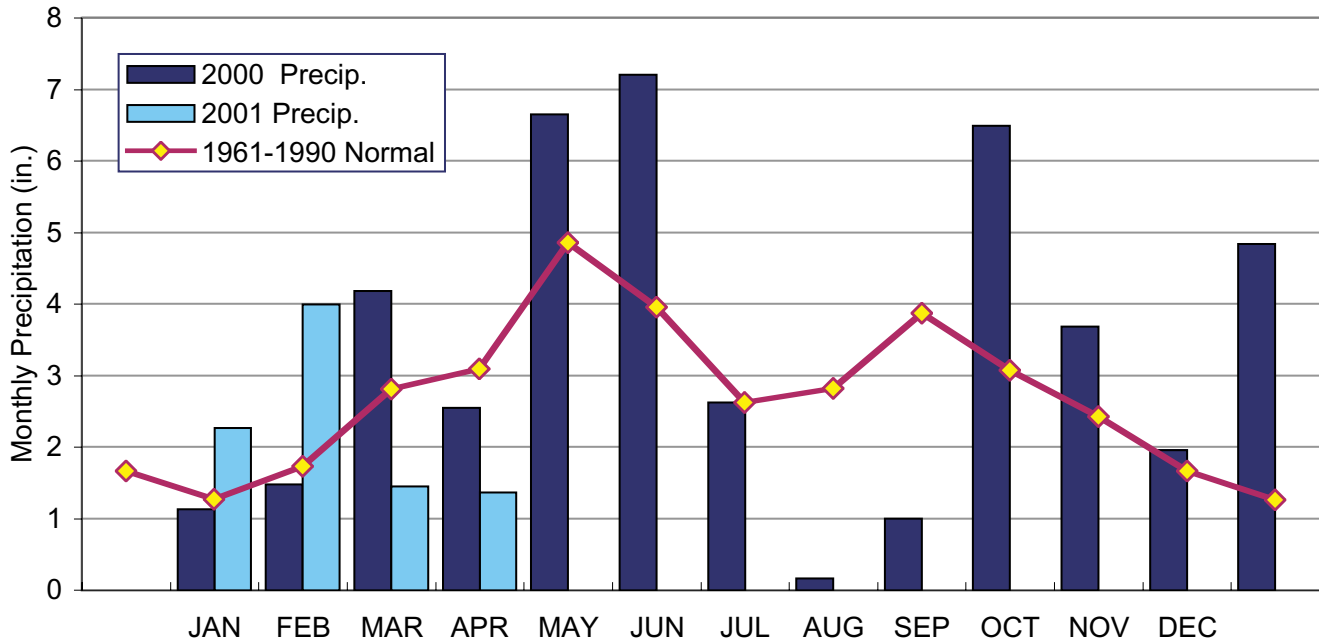
Additional severe weather reports included 2-inch hailstones reported in Carter and Johnston counties on the 14th and reports of one-and-three quarter inch hailstones in Oklahoma County on the 10th, Jefferson, Caddo, McCurtain, Marshall, Grady, and Kay counties on the 14th, and in Jackson and Cleveland counties on the 22nd.

Howard L. Johnson  
Associate State Climatologist

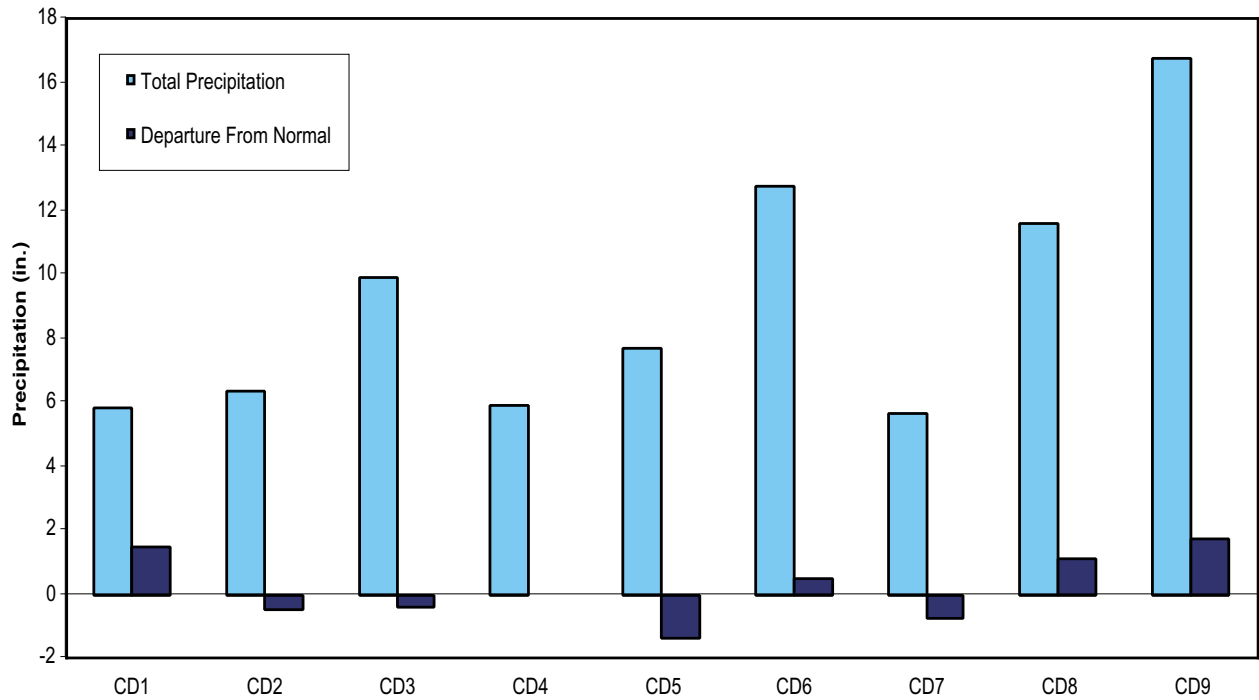
## 2000 AND 2001 STATEWIDE TEMPERATURES - MONTHLY AVERAGES



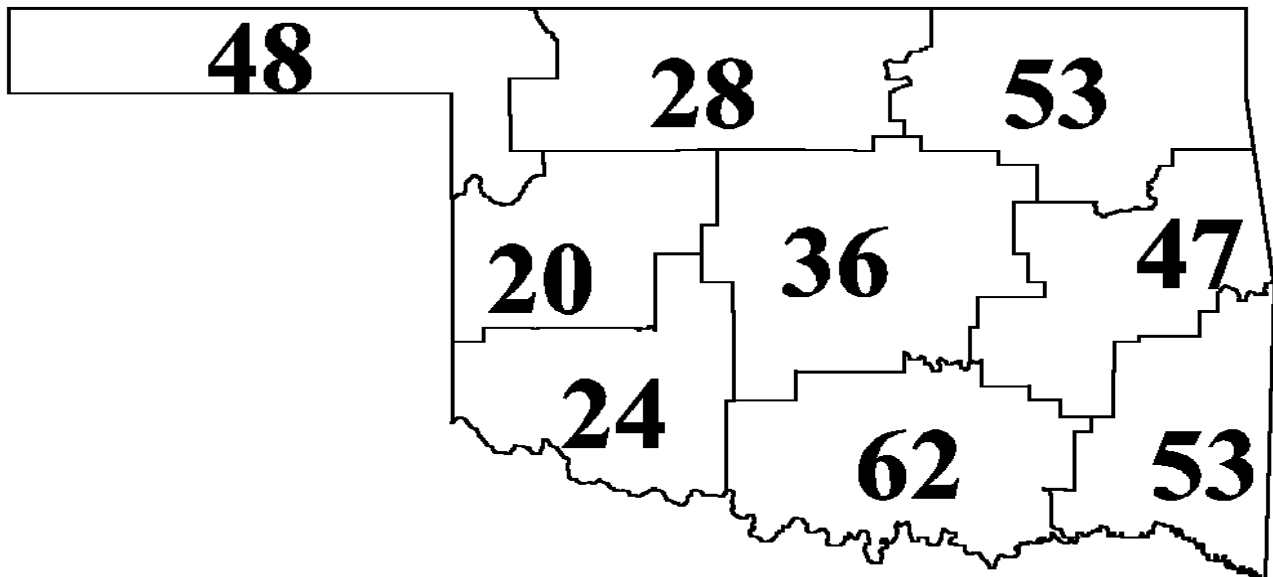
## 2000 AND 2001 STATEWIDE PRECIPITATION - MONTHLY TOTALS



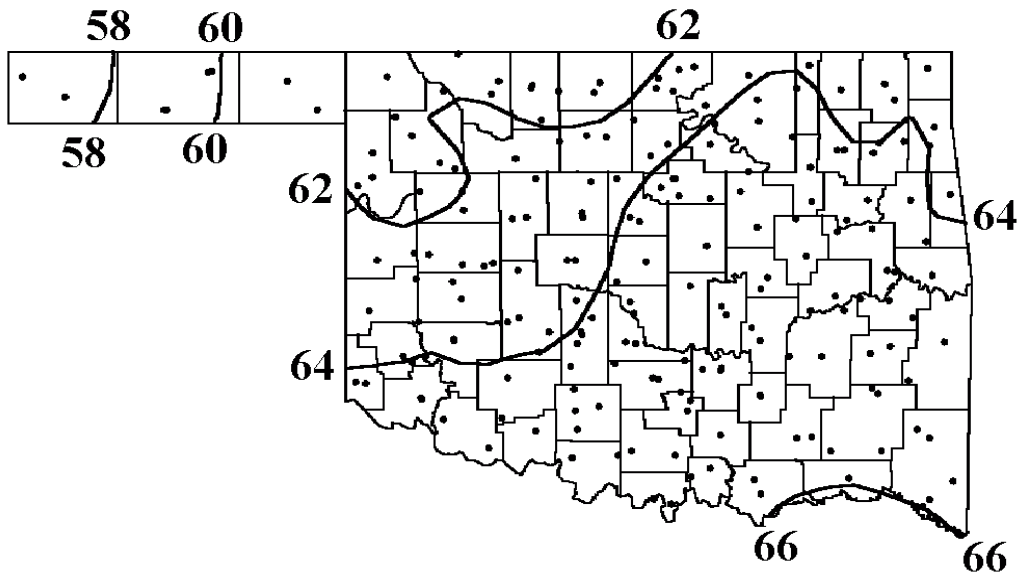
### CLIMATE DIVISION AVERAGED PRECIPITATION - JANUARY THROUGH APRIL 2001



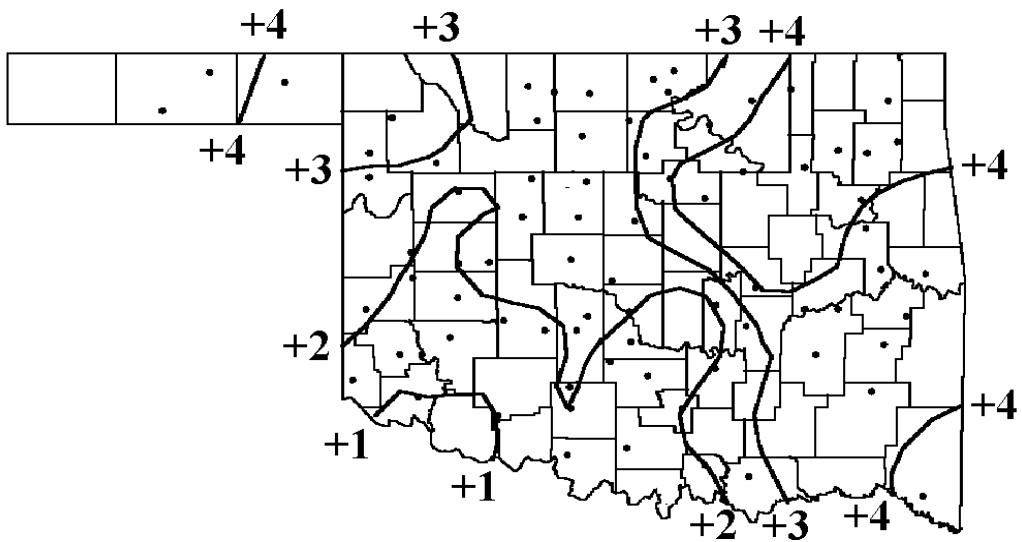
### CLIMATE DIVISION PERCENT OF NORMAL PRECIPITATION - APRIL 2001



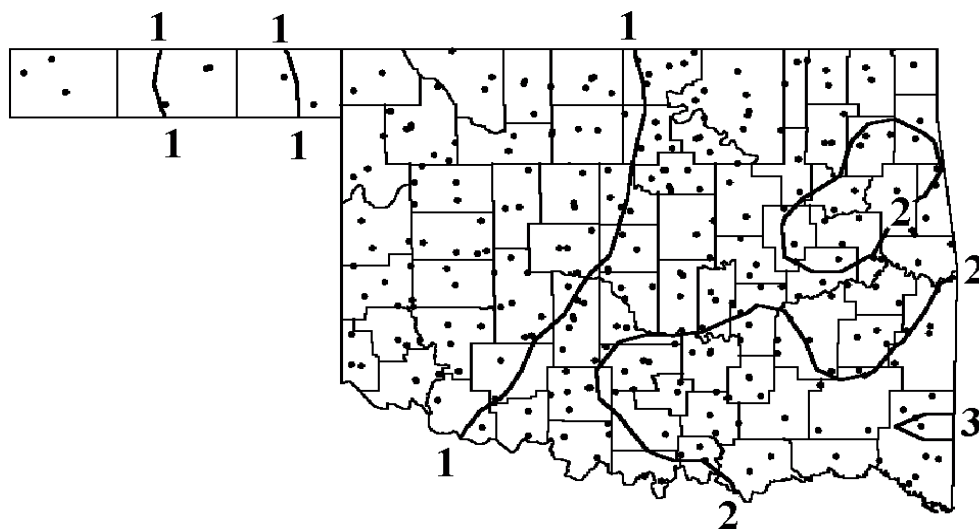
APRIL 2001 AVERAGE MONTHLY TEMPERATURE (°F)



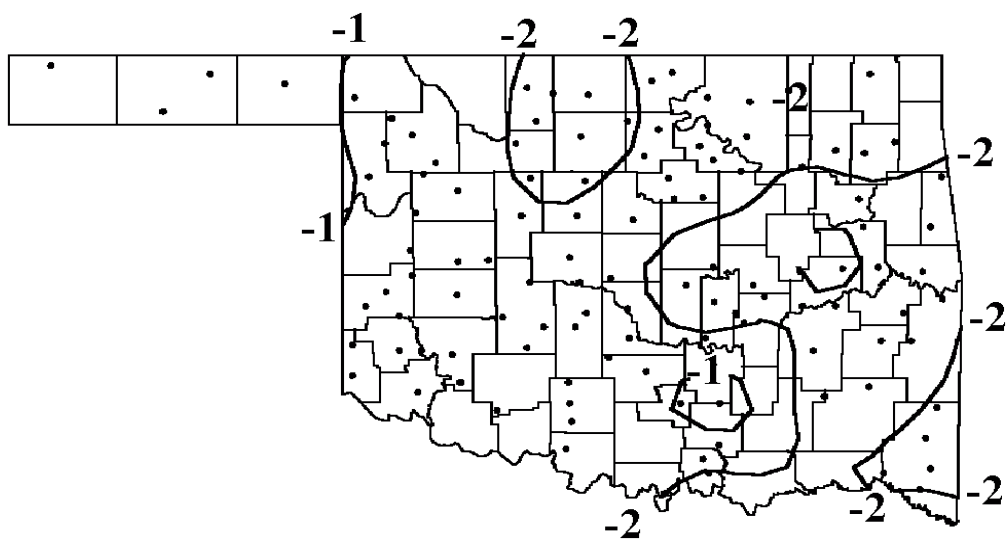
APRIL 2001 DEPARTURE FROM NORMAL TEMPERATURE (°F)



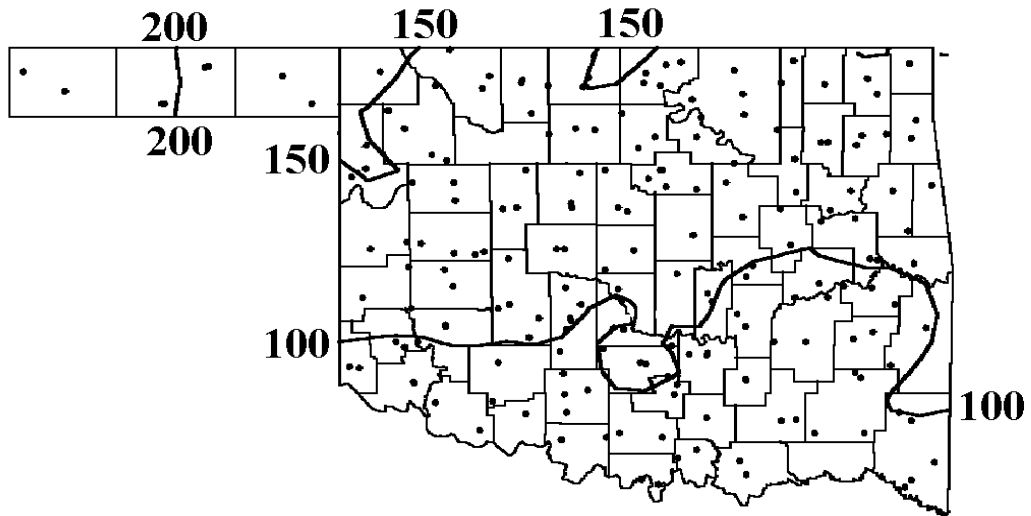
### APRIL 2001 TOTAL PRECIPITATION (INCHES)



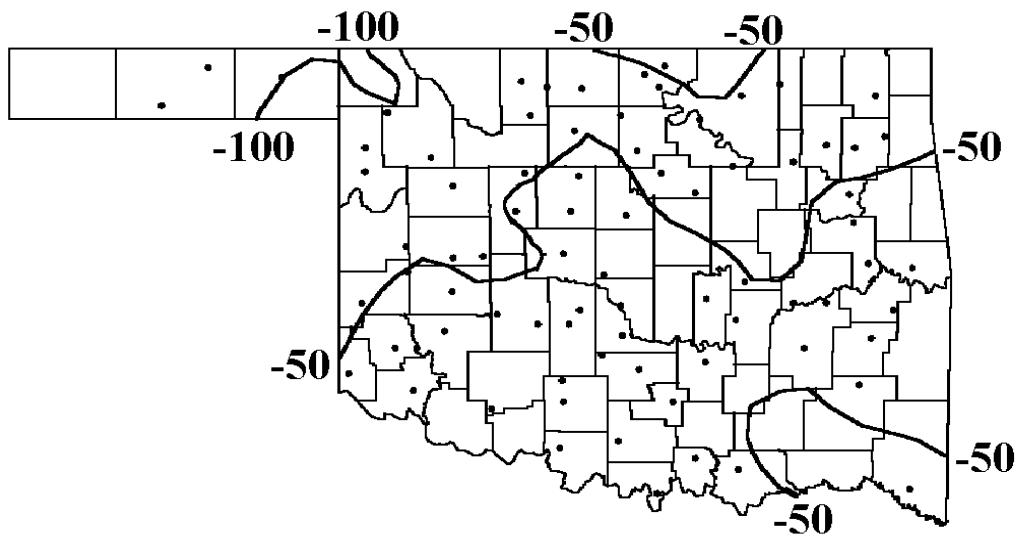
### APRIL 2001 DEPARTURE FROM NORMAL PRECIPITATION (INCHES)



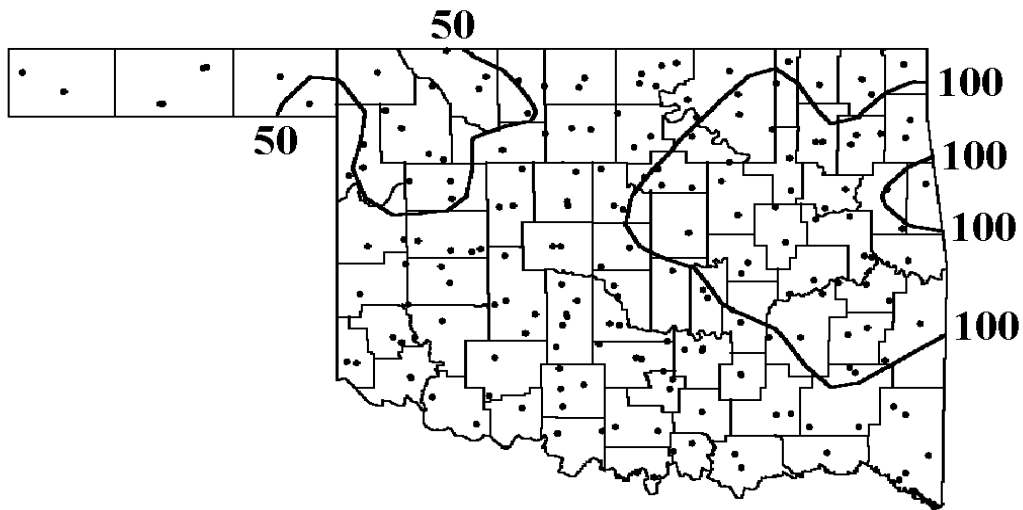
APRIL 2001 ACCUMULATED HEATING DEGREE DAYS (°F)



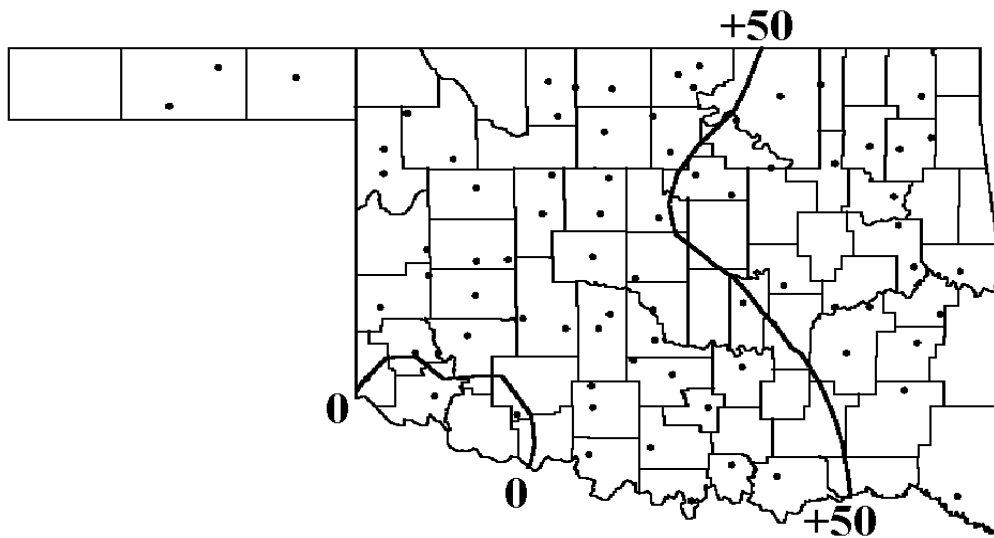
APRIL 2001 DEPARTURE FROM NORMAL HEATING DEGREE DAYS (°F)



APRIL 2001 ACCUMULATED COOLING DEGREE DAYS (°F)



APRIL 2001 DEPARTURE FROM NORMAL COOLING DEGREE DAYS (°F)





## APRIL 2001 SUMMARY FOR PANHANDLE CLIMATE DIVISION (CD1)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
ARNETT	332	1	59.7	30	2.6	88	20	33	12	191	-70	31	8	0.881	30	-0.90	0.58	7
BEAVER	593	1	59.5	30	3.7	92	20	32	13	198	-96	34	16	1.210	30	-0.34	0.59	11
BUFFALO	1243	1	68.6	17	****	91	28	39	25	16	*****	77	*****	0.500	23	*****	0.50	7
FARGO	3070	1	****	0	****	****	0	****	0	*****	*****	*****	*****	0.521	30	-1.49	0.27	7
GAGE	3407	1	61.6	29	2.9	90	22	32	25	151	-71	53	21	0.624	29	*****	0.30	7
GATE	3489	1	60.2	26	****	89	20	34	17	162	*****	37	*****	0.431	27	*****	0.30	11
GOODWELL	3628	1	59.3	30	4.8	90	20	30	12	204	-124	33	21	1.241	30	0.01	0.65	11
HOOKER	4298	1	60.8	30	4.4	91	19	34	18	154	-124	28	9	1.120	30	-0.26	0.51	11
LAVERNE	5045	1	****	0	****	****	0	****	0	*****	*****	*****	*****	0.343	30	-1.28	0.30	7
REGNIER	7534	1	****	0	****	****	0	****	0	*****	*****	*****	*****	0.281	30	-0.81	0.28	30
TURPIN	9017	1	58.7	21	****	90	20	34	13	151	*****	18	*****	0.640	21	*****	0.42	11

## APRIL 2001 SUMMARY FOR NORTH CENTRAL CLIMATE DIVISION (CD2)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
ALVA	193	2	61.8	30	*****	90	28	33	18	148	*****	53	*****	0.740	30	*****	0.45	7
VANCE AFB	302	2	****	0	****	****	0	****	0	*****	*****	*****	*****	0.043	28	*****	0.02	12
BILLINGS	755	2	61.4	30	3.3	84	9	30	18	163	-74	55	26	0.752	30	-2.34	0.43	11
BLACKWELL 2E	818	2	61.5	30	2.8	86	27	35	19	151	-67	48	19	1.062	30	-1.91	0.52	11
BRAMAN	1075	2	****	0	****	****	0	****	0	*****	*****	*****	*****	0.971	30	*****	0.39	15
CEDARDALE	1620	2	****	0	****	****	0	****	0	*****	*****	*****	*****	0.361	30	*****	0.24	7
CHEROKEE	1724	2	61.7	30	1.6	89	27	31	19	152	-37	53	12	0.220	30	-2.16	0.20	11
ENID	2912	2	62.5	30	2.0	86	27	34	17	144	-34	69	27	0.281	30	-2.59	0.20	23
FT SUPPLY	3304	2	61.4	30	4.2	90	19	29	17	148	-115	39	11	0.391	30	-1.35	0.27	10
FREEDOM	3358	2	61.4	28	****	90	27	31	18	143	*****	42	*****	0.532	28	*****	0.11	22
GREAT SALT P	3740	2	63.0	30	4.6	89	27	33	17	125	-105	66	34	0.280	30	-2.38	0.25	7
HARDY	3909	2	****	0	****	****	0	****	0	*****	*****	*****	*****	2.020	30	*****	0.78	15
HELENA	4019	2	60.9	30	3.8	86	27	32	17	164	-94	41	20	0.321	30	-2.16	0.17	7
JEFFERSON	4573	2	61.3	30	1.5	88	27	28	18	169	-32	56	15	0.360	30	-2.40	0.14	23
LAHOMA	4950	2	61.0	25	*****	89	27	31	18	132	*****	32	*****	0.350	30	*****	0.12	23
LAMONT	5013	2	****	0	****	****	0	****	0	*****	*****	*****	*****	0.470	30	*****	0.28	23
MEDFORD	5768	2	****	0	****	****	0	****	0	*****	*****	*****	*****	0.422	30	*****	0.20	7
MORRISON	6065	2	****	0	****	****	0	****	0	*****	*****	*****	*****	1.100	30	*****	0.72	11
MUTUAL	6139	2	60.7	30	3.6	87	27	35	18	166	-98	36	10	0.840	30	-1.59	0.42	11
NEWKIRK	6278	2	61.2	30	1.6	84	27	31	18	175	-27	60	21	1.270	30	-1.82	0.54	15
ORIENTA	6751	2	****	0	****	****	0	****	0	*****	*****	*****	*****	0.511	30	-2.10	0.41	7
PERRY	7012	2	64.3	29	2.9	88	10	35	19	115	-46	96	43	1.070	30	-1.63	0.57	23
PONCA CITY	7201	2	62.5	29	3.4	84	27	31	18	140	-73	68	33	0.913	29	*****	0.38	23
RED ROCK	7505	2	****	0	****	****	0	****	0	*****	*****	*****	*****	1.120	30	-1.64	0.56	22
WOODWARD	9760	2	****	0	****	****	0	****	0	*****	*****	*****	*****	1.000	30	-1.05	0.38	11

## APRIL 2001 SUMMARY FOR NORTHEAST CLIMATE DIVISION (CD3)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN DAY	MAX DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
BARTLESVILLE	548	3	65.6	30	4.3	90	9	28	1	110	-52	128	78	2.280	30	-1.11	1.12	11
BIXBY	782	3	63.1	28	****	89	4	32	18	127	*****	74	*****	1.940	28	*****	0.90	14
BURBANK	1256	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.233	30	-0.53	1.09	22
CHELSEA	1717	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.340	30	*****	0.75	15
CLAREMORE	1828	3	62.9	30	3.9	87	5	30	1	157	-46	93	71	1.850	30	-1.70	0.63	15
HOLLOW	4258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.920	30	-1.70	0.83	23
HOMINY	4289	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.190	30	-0.88	0.85	11
KANSAS	4672	3	66.7	24	*****	87	4	33	1	56	*****	98	*****	1.800	29	*****	0.60	11
LENAPAH	5118	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.690	30	*****	0.76	15
MANNFORD	5522	3	66.3	30	4.3	90	9	28	18	100	-49	137	79	1.460	30	-1.83	0.65	23
MARAMEC	5540	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.650	30	-1.40	0.84	11
PAWHUSKA	6935	3	64.9	30	4.3	89	9	30	18	118	-59	116	72	2.162	30	-1.18	0.83	11
PAWNEE	6940	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.160	30	-1.95	0.90	11
PRYOR	7309	3	63.1	29	4.3	87	5	31	19	150	-64	93	66	2.444	30	-1.47	0.76	12
RALSTON	7390	3	63.9	30	3.0	88	4	27	18	127	-44	94	47	1.310	30	-1.85	0.89	11
SPAVINAW	8380	3	66.0	30	4.4	86	5	32	1	91	-60	122	74	2.900	30	-1.09	1.25	11
TULSA	8992	3	66.4	30	4.9	89	4	34	18	96	-55	137	91	1.196	30	-2.52	0.56	15
UPPER SPAV	9101	3	63.5	30	*****	90	4	27	1	149	*****	105	*****	2.081	30	*****	0.73	15
VINITA	9203	3	64.5	29	5.0	87	4	30	1	124	-79	111	82	2.791	29	*****	0.82	23
WAGONER	9247	3	66.2	30	4.4	88	4	33	1	88	-51	123	81	1.851	30	-2.41	1.03	11
WANN	9298	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.551	30	*****	0.69	15
WYNONA	9792	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.992	30	*****	0.88	15

## APRIL 2001 SUMMARY FOR WEST CENTRAL CLIMATE DIVISION (CD4)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN DAY	MAX DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
CANTON DAM	1445	4	61.2	25	*****	85	27	33	18	136	*****	41	*****	0.780	25	*****	0.30	7
CLINTON	1909	4	62.6	30	1.6	84	27	37	12	125	-46	52	1	0.202	30	-2.11	0.09	22
COLONY	2039	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.431	30	*****	0.36	23
CORDELL	2125	4	61.8	30	1.1	86	5	36	18	144	-30	49	4	0.170	30	-1.86	0.07	7
ELK CITY	2849	4	61.7	30	1.4	84	27	37	17	137	-41	39	2	0.540	30	-1.52	0.34	23
ERICK	2944	4	62.7	30	2.5	89	15	37	12	130	-51	61	24	0.821	30	-1.22	0.65	23
HAMMON	3871	4	60.9	30	2.4	84	27	32	24	165	-65	43	8	0.340	30	-1.62	0.23	7
LEEDEY	5090	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.840	30	-1.40	0.46	23
MACKIE	5463	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.210	30	*****	0.21	12
MORAVIA	6035	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.261	30	-1.75	0.24	23
OKEENE	6629	4	63.6	30	2.7	86	27	33	18	109	-63	67	18	0.251	30	-2.13	0.19	22
RETROP	7565	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.200	30	*****	0.20	23
REYDON	7579	4	61.2	23	*****	88	9	35	17	126	*****	40	*****	0.740	23	*****	0.28	23
SAYRE	7952	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.160	30	-1.76	0.11	23
SWEETWATER	8652	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.870	30	*****	0.42	23
TALOGA	8708	4	59.4	30	0.3	85	27	32	13	192	-18	23	-9	0.570	30	-1.79	0.28	7
THOMAS	8815	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.650	30	*****	0.37	23
VICI	9172	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.481	30	-1.99	0.28	22
WATONGA	9364	4	62.0	30	2.0	85	10	32	18	152	-38	62	23	0.552	30	-1.85	0.24	23
WEATHERFORD	9422	4	63.1	30	4.4	83	22	37	18	116	-101	60	32	0.420	30	-1.70	0.22	23

## APRIL 2001 SUMMARY FOR CENTRAL CLIMATE DIVISION (CD5)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
AMBER	200	5	*****	0	*****	****	0	****	0	*****	*****	*****	1.100	30	*****	0.74	11	
BLANCHARD	830	5	65.3	30	3.1	84	4	36	18	82	-59	92	35	1.811	30	-1.30	1.42	11
BRISTOW	1144	5	65.6	28	*****	88	5	29	18	92	*****	110	*****	0.720	28	*****	0.52	10
CHANDLER	1684	5	66.0	17	*****	88	4	37	1	38	*****	55	*****	0.000	18	*****	0.00	30
CHICKASHA EXP	1750	5	65.3	30	2.8	85	4	31	1	86	-50	94	34	0.740	30	-2.01	0.32	23
COX CITY	2196	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.610	30	*****	0.93	11
CRESCENT	2242	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.460	30	*****	0.33	23
CUSHING	2318	5	64.7	30	4.6	87	5	37	18	122	-59	111	78	1.950	30	-1.36	1.15	11
EDMOND	2788	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.330	30	*****	0.90	10
EL RENO	2818	5	63.8	30	3.3	85	27	35	18	122	-55	88	43	0.590	30	-1.98	0.28	23
GUTHRIE	3821	5	64.5	30	2.7	89	5	33	18	126	-27	111	55	1.280	30	-1.38	1.01	11
HENNESSEY	4055	5	61.7	30	1.5	85	26	33	17	148	-39	48	5	0.551	30	-2.14	0.27	10
INGALLS	4489	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.610	30	*****	1.21	11
KINGFISHER	4861	5	62.1	30	1.0	86	27	31	25	157	-18	70	13	0.630	30	-1.98	0.22	23
KONAWA	4915	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.680	30	-2.40	0.73	14
MEEKER	5779	5	60.0	26	*****	84	6	28	18	166	*****	36	*****	1.160	26	*****	0.76	11
MULHALL	6110	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.290	30	*****	0.68	23
NORMAN NWS	6386	5	64.3	30	1.8	84	4	33	18	102	-27	80	27	1.950	30	-1.28	0.71	22
OKEMAH	6638	5	67.8	30	5.8	88	4	35	18	59	-78	142	98	1.661	30	-2.26	0.74	23
OKLAHOMA CTY	6659	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.041	30	*****	0.78	11
OKLAHOMA CTY	6661	5	63.6	30	3.2	83	4	33	18	108	-69	65	27	1.042	30	-1.73	0.57	11
PERKINS	7003	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.150	30	-1.77	0.77	11
PIEDMONT	7068	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.490	30	*****	0.22	23
PRAGUE	7264	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.801	30	-2.90	0.48	11
PURCELL	7327	5	63.5	30	1.1	84	10	15	18	120	-12	75	21	1.910	30	-1.70	0.85	11
SEMINOLE	8042	5	63.8	30	0.2	88	5	32	18	123	17	86	22	1.000	30	-2.82	0.43	11
SHAWNEE	8110	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.940	30	-3.04	0.71	11
STELLA	8479	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.200	30	*****	0.90	11
STILLWATER	8501	5	64.3	30	5.0	89	10	30	18	121	-83	99	66	0.851	30	-2.07	0.57	11
STROUD	8563	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.140	30	*****	0.72	11
TECUMSEH	8751	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.160	30	*****	0.16	23
UNION CITY	9086	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.734	30	-2.13	0.52	11
WANETTE	9291	5	63.3	29	*****	85	5	31	18	130	*****	80	*****	1.950	29	*****	0.90	11
WELTY	9479	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.000	30	*****	0.50	11
WEWOKA	9575	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.320	30	-2.39	0.83	11

## APRIL 2001 SUMMARY FOR EAST CENTRAL CLIMATE DIVISION (CD6)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
ASHLAND	364	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.360	30	*****	1.23	11
CHECOTAH	1711	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.420	30	-0.70	1.71	30
CLAYTON	1858	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.510	30	*****	0.93	11
DEWAR	2485	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.951	30	-2.07	1.10	11
DUSTIN	2690	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.870	30	*****	1.22	11
EUFULA	2993	6	66.8	30	3.5	89	5	37	1	77	-39	133	68	1.670	30	-2.43	0.68	11
HANNA	3884	6	65.3	30	2.9	88	4	32	18	92	-34	102	54	1.980	30	-2.11	0.82	11
HOLDENVILLE	4235	6	64.9	30	2.8	89	4	31	17	100	-29	99	57	2.321	30	-1.67	1.40	10
LAKE EUFAULA	4975	6	65.1	30	*****	87	5	37	17	100	*****	103	*****	1.560	30	*****	0.81	15
LYONS	5437	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.130	30	-2.64	0.92	15
MARBLE CITY	5546	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.390	30	*****	1.38	15
MCALESTER	5664	6	65.4	30	3.5	87	4	34	18	93	-50	106	57	2.043	30	-2.06	1.21	14
MCCURTAIN	5693	6	67.1	29	4.1	88	5	33	18	71	-43	133	79	1.651	30	-2.89	1.15	15
MUSKOGEE	6130	6	65.0	30	3.0	88	4	33	18	104	-28	104	62	1.803	30	-2.28	0.65	11
OKTAHA	6678	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.040	30	*****	1.10	15
SALLISAW	7862	6	65.1	30	2.8	87	6	34	18	113	-18	115	65	1.760	30	-2.63	1.03	15
SCIPIO	7979	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.890	30	*****	0.84	15
SHORT	8170	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.450	30	*****	0.87	15
WEBBERS FALL	9445	6	64.8	30	4.5	90	5	33	18	115	-59	108	75	1.820	30	-2.38	0.86	12
WETUMKA	9571	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.944	30	-2.30	1.24	11

## APRIL 2001 SUMMARY FOR SOUTHWEST CLIMATE DIVISION (CD7)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					NORM	MAX									NORM	MAX		
ALTUS	179	7	63.6	30	0.3	88	3	37	12	97	-26	56	-17	0.090	30	-1.83	0.07	7
ALTUS DAM	184	7	65.7	30	4.3	87	10	41	25	87	-70	106	58	1.300	30	-0.61	1.07	15
ANADARKO	224	7	61.7	30	0.2	82	10	31	1	155	-1	56	6	0.670	30	-1.79	0.61	11
APACHE	260	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.300	30	-1.30	0.67	15
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.013	29	*****	0.01	18
CARNEGIE	1504	7	63.0	30	1.4	84	27	36	17	128	-26	68	16	0.221	30	-2.14	0.12	7
CHATTANOOGA	1706	7	63.2	29	0.5	83	27	35	1	101	-34	49	-17	1.290	30	-1.24	1.26	11
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.780	30	*****	0.50	11
FREDERICK	3353	7	65.4	24	*****	85	2	40	17	56	*****	65	*****	0.530	26	*****	0.53	10
HEADRICK	3998	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.030	30	*****	0.03	17
HOBART	4204	7	62.6	29	1.2	82	10	37	2	118	-46	47	-8	0.961	29	*****	0.43	15
HOLLIS	4249	7	64.7	30	1.8	88	19	37	1	81	-50	72	4	0.100	30	-1.88	0.05	23
LAWTON	5063	7	64.2	27	*****	83	3	38	1	71	*****	50	*****	0.890	27	*****	0.77	11
LOOKEBA	5329	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.580	30	-1.88	0.26	23
MANGUM	5509	7	63.3	30	0.3	88	9	38	13	97	-35	44	-24	0.221	30	-1.57	0.16	22
RANDLETT	7403	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.910	30	*****	0.68	8
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.250	30	-2.11	0.15	23
SEDAN	8016	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.800	30	*****	0.51	15
SNYDER	8299	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.210	30	-2.04	0.12	11
VINSON	9212	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.330	30	-1.35	0.33	23
WALTERS	9278	7	65.6	24	*****	83	10	41	24	67	*****	82	*****	1.120	24	*****	0.85	11
WICHITA MT	9629	7	63.3	28	*****	83	27	34	1	107	*****	61	*****	0.680	28	*****	0.60	11
WILLOW	9668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.290	30	*****	0.24	22

## APRIL 2001 SUMMARY FOR SOUTH CENTRAL CLIMATE DIVISION (CD8)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					NORM	MAX									NORM	MAX		
ADA	17	8	64.6	30	2.2	84	4	36	18	93	-39	81	27	2.300	30	-1.19	1.06	15
ALLEN	147	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.890	30	*****	1.45	11
ARDMORE	292	8	67.8	28	*****	85	4	42	17	37	*****	117	*****	3.150	28	*****	2.09	14
ATOKA	391	8	64.1	28	*****	86	5	33	18	96	*****	71	*****	2.370	29	*****	1.21	14
BOKCHITO	917	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.570	30	*****	1.07	23
CENTRAHOMA	1648	8	64.0	30	*****	85	5	34	19	110	*****	80	*****	2.800	30	*****	1.45	11
CHICKASAW	1745	8	64.6	29	3.0	85	5	32	1	91	-55	80	37	2.380	30	-1.21	1.00	11
COLEMAN	2011	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.850	30	*****	1.00	14
COMANCHE	2054	8	63.9	30	*****	82	3	40	25	96	*****	63	*****	1.230	30	-1.75	1.05	13
DAISY	2354	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.741	30	-3.31	0.96	11
DUNCAN	2660	8	64.3	30	1.8	83	11	40	1	92	-35	72	20	1.090	30	-1.90	0.46	11
DURANT	2678	8	65.1	29	2.9	84	4	34	18	84	-56	87	32	1.972	29	*****	1.22	10
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.890	30	*****	1.52	14
GRADY	3688	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.850	30	*****	0.45	22
HEALDTON	4001	8	64.4	29	1.2	84	10	35	19	93	-26	77	12	1.690	29	*****	0.69	11
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.900	30	*****	1.70	14
KETCHUM RAN	4780	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.280	30	*****	1.90	14
KINGSTON	4865	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.900	30	-2.98	0.62	10
LEHIGH	5108	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.601	30	*****	0.80	11
LINDSAY	5216	8	63.4	30	1.0	83	10	31	1	115	-23	67	8	1.891	30	-1.46	1.30	11
LOCO	5247	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.770	30	*****	0.59	11
MADILL	5468	8	65.5	30	1.9	86	5	37	18	84	-19	99	39	1.920	30	-2.08	1.53	11
MARIETTA 5 SW	5563	8	63.8	30	0.2	83	5	35	19	116	13	80	19	1.850	30	-1.76	1.46	11
MARLOW	5581	8	66.1	30	3.8	82	9	40	24	71	-63	103	51	1.490	30	-1.43	0.88	11
MCGEE CREEK	5713	8	65.6	29	*****	88	5	37	1	76	*****	93	*****	2.761	29	*****	1.17	11
PAULS VALLEY	6926	8	62.6	30	-0.6	84	5	32	1	142	20	69	1	2.921	30	-0.53	1.10	15
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.450	30	0.63	1.88	13
TISHOMINGO	8884	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.450	30	-0.75	2.00	14
TUSSY	9032	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.450	30	*****	2.00	13
WAURIKA	9395	8	66.7	30	2.6	85	8	40	24	60	-50	110	27	1.200	30	-1.74	0.61	14

## APRIL 2001 SUMMARY FOR SOUTHEAST CLIMATE DIVISION (CD9)

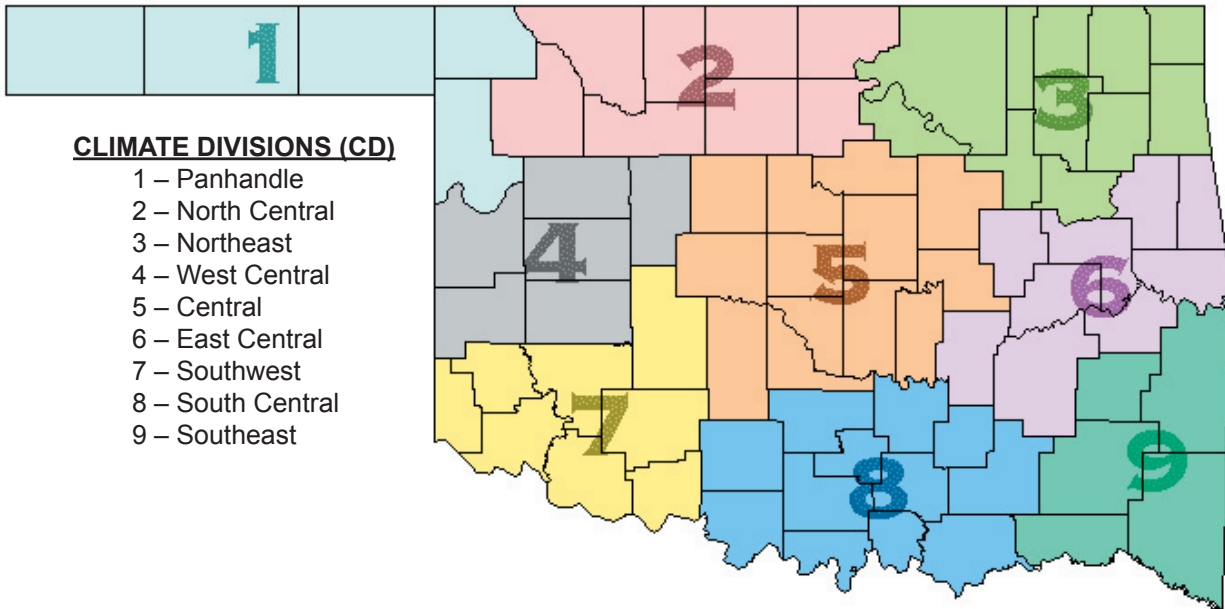
NAME	ID	CD	DEV				MIN	HEAT	DEV	COOL	DEV	TOT	NUM	DEV		DAY		
			MEAN	NUM	FROM	MAX								FROM	MAX			
			TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	PPT	OBS	NORM	24-HR	DAY
BATTIEST	567	9	62.6	30	*****	89	5	29	18	142	*****	71	*****	3.196	30	*****	1.15	15
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.460	30	*****	1.78	15
BROKEN BOW	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.320	30	-1.19	2.40	15
CARNASAW	1499	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.503	30	-2.39	1.23	15
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.140	30	-1.54	1.07	16
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.020	30	-2.59	1.19	15
IDABEL	4451	9	66.4	30	4.4	87	6	39	18	75	-56	119	78	1.702	30	-2.72	1.27	23
PAGE	6842	9	64.0	24	*****	86	5	30	18	113	*****	90	*****	2.720	24	*****	1.04	12
SMITHVILLE	8285	9	61.9	27	*****	88	5	29	18	140	*****	56	*****	3.093	30	-1.65	1.82	15
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.530	30	-1.83	1.49	15
TUSKAHOMA	9023	9	66.5	30	3.6	88	4	30	18	75	-44	119	63	1.302	30	-3.42	0.56	15
VALLIANT	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.000	30	-1.34	1.00	15
WILBURTON	9634	9	65.9	30	3.9	89	4	31	18	85	-54	111	62	1.610	30	-3.09	0.90	14
WISTER	9724	9	68.9	15	*****	88	5	33	1	28	*****	87	*****	1.760	30	*****	0.84	15

## APRIL 2001 CLIMATE DIVISION SUMMARY

NAME	CD	DEV				MIN	HEAT	DEV	COOL	DEV	TOT	NUM	DEV		DAY		
		MEAN	NUM	FROM	MAX								FROM	MAX			
		TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	PPT	OBS	NORM	24-HR	DAY
CLIMATE DIVISION 1	1	60.2	5	3.1	92	20	30	12	179	-85	36	10	0.800	7	-0.87	0.65	11
CLIMATE DIVISION 2	2	61.9	13	2.8	90	27	28	18	151	-64	57	21	0.720	22	-1.88	0.78	15
CLIMATE DIVISION 3	3	64.8	11	4.3	90	4	27	1	119	-53	114	75	1.860	19	-1.67	1.25	11
CLIMATE DIVISION 4	4	62.0	9	2.2	89	15	32	18	141	-55	51	11	0.440	18	-1.73	0.65	23
CLIMATE DIVISION 5	5	64.1	14	2.6	89	10	15	18	115	-38	89	39	1.130	31	-2.10	1.42	11
CLIMATE DIVISION 6	6	65.5	9	3.4	90	5	31	17	96	-37	111	63	1.980	20	-2.24	1.71	30
CLIMATE DIVISION 7	7	63.5	8	1.3	88	9	31	1	108	-36	62	4	0.550	17	-1.72	1.26	11
CLIMATE DIVISION 8	8	64.6	14	1.6	88	5	31	1	94	-27	83	21	2.230	25	-1.39	2.09	14
CLIMATE DIVISION 9	9	65.4	4	3.5	89	4	29	18	94	-43	105	62	2.430	13	-2.16	2.40	15

Note: The above climate division summary contains similar information to the preceding tables but are the averages or extremes over all of the stations reporting in each climate division.

## CLIMATE DIVISION MAP



## EXPLANATION OF TABLES

The tables appearing on the preceding pages contain the following information for each station or climate division:

**Station Name:** The name of the observing site.

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

**Climate Division:** See the figure above.

**Number of Temperature Observations:** These numbers 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 Temperature:** The maximum daily maximum temperature observed during the current month and year and the day on which it occurred.

**Minimum Daily Temperature:** The minimum daily minimum temperature observed during the current month and year and the day on 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. HDD 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. See the equation to the right for the HDD calculation.

**Deviation from Normal Heating Degree Days:** The difference between the actual HDD and the normal HDD for the month. 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. CDD 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. See the equation to the right for the CDD calculation.

**Deviation from Normal Cooling Degree Days:** The difference between the actual HDD and the normal HDD for the month. 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:** The difference between the actual rainfall and the normal rainfall for the month. 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.

### **Heating Degree Days Calculation**

**NumDays**

$$\sum_{i=1} \text{NumDays} \left( 65 - \left( \frac{\text{TMAX}_i + \text{TMIN}_i}{2} \right) \right)$$

*Where NumDays = the number of days in the month of interest (e.g., NumDays = 31 for January)*

### **Cooling Degree Days Calculation**

**NumDays**

$$\sum_{i=1} \text{NumDays} \left( \left( \frac{\text{TMAX}_i + \text{TMIN}_i}{2} \right) - 65 \right)$$

*Where NumDays = the number of days in the month of interest (e.g., NumDays = 30 for June)*

# MESONET MONTHLY SUMMARY FOR APRIL 2001

NAME	MEAN MAX			MIN			TOT MAX			NAME	MEAN MAX			MIN			TOT MAX				
	TEMP	TEMP	DAY	TEMP	DAY	HDD	CDD	PPT	24-HR		DAY	TEMP	TEMP	DAY	TEMP	DAY	HDD	CDD	PPT	24-HR	DAY
<b>PANHANDLE</b>																					
Arnett	62.5	90	19	35	12	133	59	1.05	0.58	10	Goodwell	58.4	88	19	31	12	213	15	1.00	0.42	10
Beaver	61.8	94	19	33	12	156	60	1.04	0.54	10	Hooker	59.2	90	19	32	18	197	23	1.38	0.60	10
Boise City	56.9	88	19	25	12	250	8	0.14	0.08	10	Kenton	57.7	87	19	29	12	230	10	0.18	0.17	29
Buffalo	61.2	90	19	31	17	161	46	0.63	0.39	6	Slapout	62.0	93	19	32	18	151	59	1.09	0.51	30
<b>NORTH CENTRAL</b>																					
Alva	61.8	87	26	30	17	140	44	0.73	0.50	6	May Ranch	62.0	88	20	30	17	137	48	1.28	0.67	22
Blackwell	62.5	85	26	32	18	135	60	0.94	0.36	14	Medford	61.7	86	26	28	17	146	46	0.42	0.23	6
Breckenridge	62.1	84	26	31	18	140	53	0.78	0.39	22	Newkirk	63.4	88	9	34	17	128	81	1.61	0.59	14
Cherokee	61.2	86	26	30	17	144	29	0.38	0.24	6	Red Rock	63.9	86	9	32	17	121	87	1.35	0.78	22
Fairview	64.0	86	26	35	17	93	66	0.48	0.30	6	Seiling	62.3	85	26	33	12	131	51	0.53	0.40	6
Freedom	62.0	87	21	30	17	138	49	0.49	0.20	22	Woodward	63.2	88	20	35	17	116	62	1.20	0.41	11
Lahoma	61.6	85	26	32	17	138	37	0.32	0.12	22											
<b>NORTHEAST</b>																					
Bixby	65.5	89	4	32	18	101	116	2.52	1.15	22	Nowata	62.8	85	4	28	1	148	83	2.09	0.85	22
Burbank	63.6	88	9	31	18	128	86	1.56	0.71	22	Pawnee	64.6	88	4	31	18	119	107	1.18	0.91	11
Claremore	64.0	88	4	30	18	127	98	0.92	0.63	15	Porter	65.9	87	4	35	18	92	119	2.17	1.11	11
Copan	64.0	86	4	32	1	129	98	1.72	0.76	14	Pryor	63.5	87	4	29	18	140	96	2.65	1.52	11
Foraker	63.2	87	4	33	1	133	80	1.29	0.71	14	Skiatook	65.0	86	4	35	1	109	108	1.79	0.72	22
Jay	63.9	87	4	27	1	140	108	1.56	0.89	11	Vinita	62.5	86	4	28	1	154	80	1.27	0.42	14
Miami	63.3	86	4	27	1	147	97	1.65	0.74	11	Wynona	64.8	89	4	32	18	114	108	1.80	0.55	11
<b>WEST CENTRAL</b>																					
Bessie	64.6	84	9	36	17	94	82	0.16	0.13	22	Putnam	62.6	84	26	36	12	121	48	0.36	0.13	11
Butler	64.1	85	4	35	12	103	75	0.39	0.29	22	Retrop	63.8	84	8	37	12	98	64	0.30	0.23	22
Camargo	61.8	84	20	33	12	135	40	1.23	0.51	6	Watonga	62.7	82	9	34	17	122	53	0.60	0.31	22
Cheyenne	63.2	85	21	37	17	115	62	1.11	0.41	22	Weatherford	62.1	81	9	35	17	126	39	0.27	0.23	22
Erick	62.4	85	8	34	12	123	44	0.40	0.36	22											
<b>CENTRAL</b>																					
Acme	64.6	83	4	33	18	100	89	0.57	0.21	22	Minco	63.5	83	4	36	17	105	60	0.73	0.48	10
Bowlegs	64.4	86	4	30	18	109	92	2.10	0.96	11	Ninnekah	64.7	82	4	34	1	93	84	1.01	0.47	14
Bristow	64.2	86	3	29	18	122	97	1.09	0.52	11	Norman	64.4	84	4	34	1	99	82	1.32	0.53	11
Chandler	65.2	86	3	34	18	104	109	1.15	0.62	22	Oilton	64.2	87	4	26	18	132	109	0.83	0.43	22
Chickasha	65.1	85	4	31	1	85	88	0.71	0.32	22	Okemah	64.5	86	4	31	18	106	92	2.21	0.88	11
El Reno	62.7	85	9	32	18	134	63	0.43	0.18	11	Perkins	65.2	87	4	34	18	108	113	1.12	0.68	11
Guthrie	65.1	87	4	35	17	104	105	1.23	0.58	11	Shawnee	64.4	84	3	33	18	110	93	0.99	0.63	11
Kingfisher	62.9	85	26	30	18	128	65	0.35	0.19	11	Spencer	65.4	88	4	34	18	97	109	1.31	0.61	11
Marena	64.6	87	3	33	18	112	100	1.21	0.71	11	Stillwater	64.7	89	3	29	18	116	107	0.87	0.53	11
Marshall	63.2	85	9	31	18	129	75	1.01	0.66	22	Washington	64.3	83	4	34	1	94	73	1.98	0.92	11
<b>EAST CENTRAL</b>																					
Calvin	64.8	85	4	31	18	96	88	2.83	1.73	11	Sallisaw	65.8	87	4	33	1	91	115	1.52	0.62	15
Cookson	63.7	85	4	29	18	133	92	1.84	0.80	11	Stigler	65.8	88	4	34	1	88	112	1.55	0.61	11
Eufaula	66.3	87	4	37	18	82	121	1.23	0.60	11	Stuart	64.9	85	4	34	18	94	91	2.36	1.33	14
Haskell	64.7	85	9	34	18	103	94	2.19	1.01	11	Tahlequah	63.5	85	4	29	1	133	88	2.26	0.99	11
Hectorville	65.0	87	4	36	18	90	91	2.30	0.82	22	Webbers Falls	66.3	87	4	33	1	86	125	2.19	1.21	11
McAlester	65.3	87	4	33	18	96	105	2.15	1.26	14	Westville	64.0	85	4	31	18	125	96	1.57	0.70	11
Okmulgee	64.9	88	4	30	18	106	102	2.45	1.11	15											
<b>SOUTHWEST</b>																					
Altus	65.7	89	8	38	12	75	96	0.06	0.05	6	Hollis	64.6	90	14	36	12	89	76	0.11	0.06	22
Apache	63.7	81	9	36	1	103	64	1.74	0.67	11	Mangum	63.4	85	8	33	12	105	56	0.41	0.15	6
Fort Cobb	64.4	85	9	35	1	94	77	0.43	0.11	11	Medicine Park	65.4	82	2	41	17	68	82	0.57	0.30	10
Grandfield	65.7	87	2	38	1	78	98	1.65	1.63	10	Tipton	65.0	84	2	35	24	84	84	0.08	0.08	10
Hinton	63.7	85	9	36	17	107	67	0.35	0.23	22	Walters	65.1	82	2	40	24	80	83	1.27	0.57	11
Hobart	62.6	82	8	37	1	117	49	0.92	0.43	14											
<b>SOUTH CENTRAL</b>																					
Ada	65.1	85	4	32	18	97	101	2.19	1.12	14	Madill	65.8	83	4	36	18	77	101	1.90	1.74	11
Ardmore	65.7	83	4	36	18	79	99	3.62	2.02	14	Pauls Valley	65.6	85	4	35	18	83	101	2.07	1.16	14
Burneyville	66.0	83	4	35	18	78	109	1.85	1.17	11	Ringling	65.1	82	4	38	18	78	81	1.07	0.41	11
Byars	65.4	84	4	39	1	83	96	2.57	1.43	14	Sulphur	64.8	83	3	33	1	97	91	2.47	1.53	14
Centrahoma	64.6	85	4	31	18	103	91	2.51	1.28	11	Tishomingo	65.3	85	4	34	1	84	92	2.35	1.20	11
Durant	66.2	84	4	38	18	65	100	2.59	1.30	11	Vanoss	65.4	86	4	33	18	92	103	2.01	0.89	14
Ketchum Ranch	64.7	81	3	37	18	85	77	3.50	1.94	14	Waurika	66.0	84	8	40	24	70	101	1.22	0.63	14
Lane	65.5	85	4	34	1	79	95	2.85	1.43	14											
<b>SOUTHEAST</b>																					
Antlers	64.8	88	4	28	18	103	96	3.06	1.53	14	Idabel	66.2	86	4	35	18	66	101	1.39	0.55	14
Broken Bow	65.1	88	4	34	1	82	86	3.32	1.85	14	Mt Herman	64.3	84	4	33	18	99	77	4.01	1.99	14
Clayton	65.8	88	4	32	18	83	108	1.62	0.82	11	Talihina	65.7	89	4	32	18	86	105	2.05	0.98	11
Cloudy	65.3	87	4	34	18	80	88	3.10	1.53	14	Wilburton	65.4	89	4	32	18	95	108	1.56	0.78	14
Hugo	66.4	86	4	37	18	55	94	3.01	1.19	14	Wister	65.0	89	4	31	1	104	104	1.92	0.87	11



## EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION APRIL 2001

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	92	20	BEAVER	30	12	GOODWELL	.65	11	GOODWELL	1.24	GOODWELL
2	90	27	ALVA	28	17	JEFFERSON	.78	15	HARDY	2.02	HARDY
	90	28	ALVA	28	18	JEFFERSON					
	90	19	FT SUPPLY								
	90	20	FREEDOM								
	90	21	FREEDOM								
3	90	9	BARTLESVILLE	27	18	RALSTON	1.25	11	SPAVINAW	2.90	SPAVINAW
	90	3	MANNFORD	27	1	UPPER SPAV					
	90	4	MANNFORD								
	90	9	MANNFORD								
	90	4	UPPER SPAV								
4	89	15	ERICK	32	24	HAMMON	.65	23	ERICK	.87	SWEETWATER
				32	1	TALOGA					
				32	13	TALOGA					
				32	18	WATONGA					
5	89	5	GUTHRIE	15	18	PURCELL	1.42	11	BLANCHARD	1.95	CUSHING
	89	10	STILLWATER								
6	90	5	WEBBERS FALLS	31	17	HOLDENVILLE	1.71	30	CHECOTAH	3.42	CHECOTAH
7	88	3	ALTUS	31	1	ANADARKO	1.26	11	CHATTANOOGA	1.30	ALTUS DAM
	88	3	HOLLIS								
	88	14	HOLLIS								
	88	19	HOLLIS								
	88	9	MANGUM								
8	88	5	MC GEE CREEK	31	1	LINDSAY	2.09	14	ARDMORE	4.45	PONTOTOC
9	89	5	BATTIEST	29	18	BATTIEST	2.40	15	BROKEN BOW	3.32	BROKEN BOW
	89	4	WILBURTON	29	1	SMITHVILLE					
					29	18					

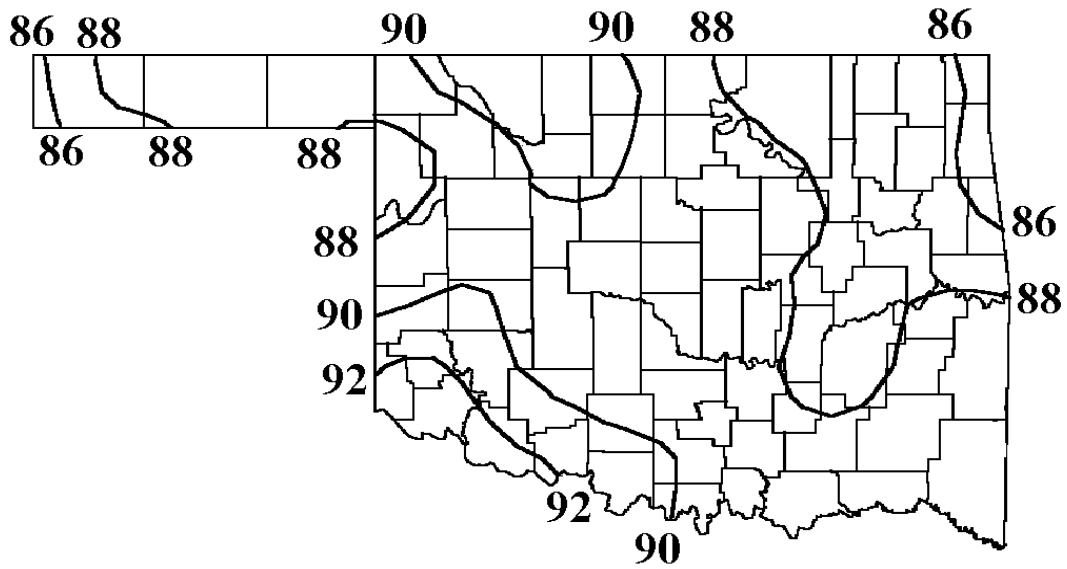
### TABLE OF 2000/2001 COMPARISONS

Station	APRIL Temperature (°F)		APRIL Precipitation (in.)	
	2000	2001	2000	2001
Arnett	54.8	59.7	3.62	0.88
Enid	57.3	62.5	1.67	0.28
Tulsa	59.5	66.4	2.71	1.20
Elk City	57.1	61.7	3.39	0.54
Oklahoma City	59.0	63.6	5.18	1.04
McAlester	59.9	65.4	3.58	2.04
Altus Irr Station	59.9	63.6	2.68	0.09
Ardmore	62.2	67.8	2.88	3.15
Idabel	61.0	66.4	4.34	1.70

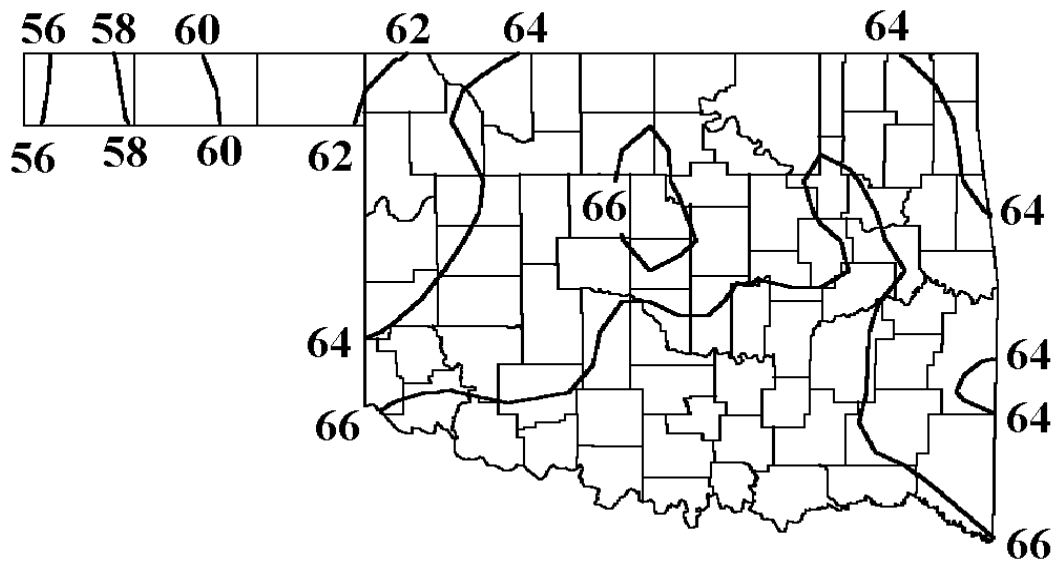
### APRIL 2001 STATEWIDE EXTREMES

VARIABLE	STATION	DIVISION	OBSERVATION	DATE
Minimum temperature (°F)	Purcell	5	15	18
Maximum temperature (°F)	Beaver	1	92	20
Maximum 24-hour Precipitation	Broken Bow	9	2.40"	15

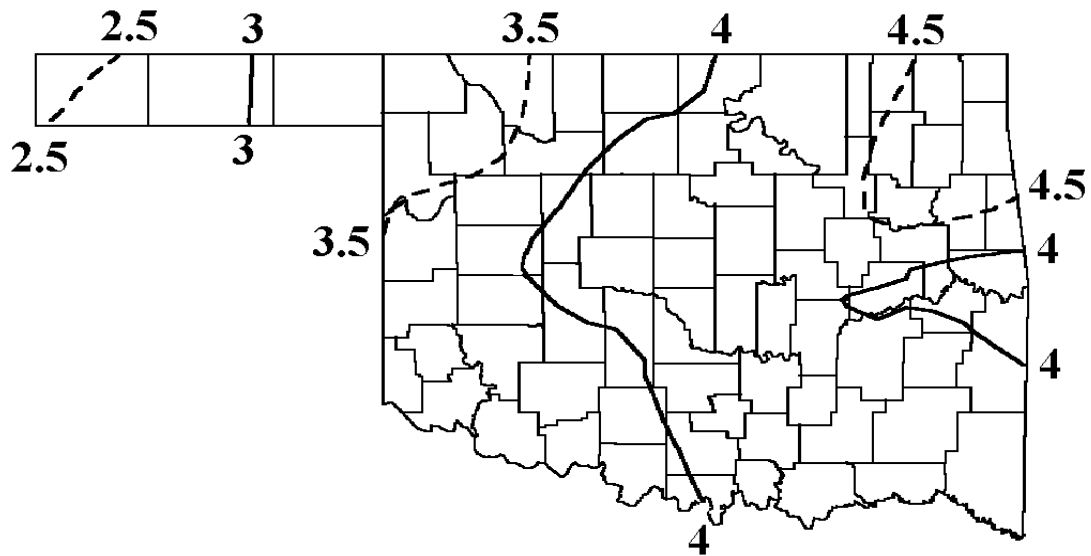
**JUNE NORMAL DAILY MAXIMUM TEMPERATURE (°F)**



**JUNE NORMAL DAILY MINIMUM TEMPERATURE (°F)**



## JUNE NORMAL MONTHLY PRECIPITATION (INCHES)



## JUNE TORNADO STATISTICS

The most tornadoes reported in **JUNE** for Oklahoma was **(28)** in **1995**.

The average number of tornadoes in **JUNE** for Oklahoma is **(9)**.

## OUTLOOK FOR JUNE 2001 THROUGH AUGUST 2001

BASED ON SEASONAL OUTLOOK PROVIDED BY THE CLIMATE PREDICTION CENTER

**Temperature:** Near normal temperature statewide

**Precipitation:** Above normal in northern part of state  
Near normal in southern part of state

**OKLAHOMA CITY CLIMATE CALENDAR**

**JUNE**

The data on this calendar are for Oklahoma City, Oklahoma.  
 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.	Ave. High	Record High	Lowest Max	Year	Ave. Low	2001	Highest Min.	Record Low	Year	Avg. Precip.	2001	Greatest Precip.	Year
1	73	83	99	58	1903	62		75	48	1943	0.17		3.37	1962
2	73	84	105	56	1919	63		74	46	1980	0.17		1.66	1973
3	73	84	98	64	1919	63		75	49	1925	0.17		6.75	1932
4	74	84	95	62	1928	63		75	47	1911	0.17		3.90	1904
5	74	84	99	66	1892	64		75	48	1980	0.17		1.48	1927
6	74	85	102	69	1983	64		75	50	1990	0.16		3.01	1941
7	75	85	100	66	1891	64		78	51	1980	0.16		1.44	1908
8	75	85	100	64	1913	64		76	52	1984	0.16		2.60	1974
9	75	86	100	60	1913	65		77	53	1953	0.16		2.56	1995
10	75	86	99	68	1955	65		76	50	1953	0.16		4.48	1945
11	76	86	100	68	1898	65		75	51	1953	0.15		1.61	1951
12	76	86	104	72	1903	65		78	50	1958	0.15		4.74	1944
13	76	87	101	70	1927	66		78	52	1958	0.15		4.56	1989
14	77	87	106	63	1927	66		78	51	1953	0.15		3.95	1930
15	77	87	105	71	1908	66		79	55	1953	0.15		3.01	1930
16	77	88	106	70	1961	66		77	50	1953	0.14		3.59	1955
17	77	88	102	69	1963	67		78	53	1990	0.14		1.85	1975
18	77	88	101	68	1912	67		78	53	1924	0.14		0.93	1957
19	78	88	101	70	1920	67		80	55	1953	0.14		1.68	1987
20	78	89	105	73	1905	67		80	51	1998	0.13		2.28	1958
21	78	89	104	69	1902	68		79	56	1953	0.13		3.28	1948
22	78	89	107	73	1912	68		79	50	1998	0.13		2.38	1957
23	79	89	101	68	1921	68		77	58	1934	0.13		2.79	1908
24	79	90	104	74	1909	68		78	54	1953	0.13		2.06	1948
25	79	90	105	68	1967	68		82	51	1911	0.12		2.29	1960
26	79	90	104	69	1904	68		81	50	1933	0.12		1.70	1985
27	79	90	103	75	1904	69		79	52	1947	0.12		2.19	1907
28	80	90	105	78	1923	69		78	56	1986	0.12		3.10	1988
29	80	91	103	76	1908	69		78	54	1998	0.11		2.00	1987
30	80	91	102	73	1923	69		80	58	1980	0.11		2.33	1981
<b>MONTH</b>	<b>76.7</b>	<b>87.3</b>	<b>107</b>	<b>56</b>	<b>1919</b>	<b>66.1</b>		<b>82</b>	<b>46</b>	<b>1911</b>	<b>4.31</b>		<b>6.75</b>	<b>1932</b>

DATA COURTESY OF NATIONAL WEATHER SERVICE – NORMAN  
 Temperatures are in degrees Fahrenheit; precipitation is in inches.

**TULSA CLIMATE CALENDAR**

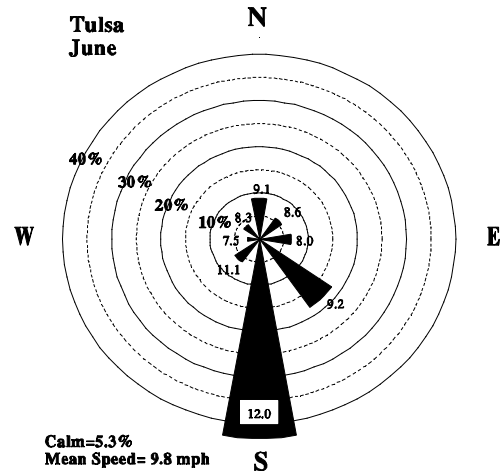
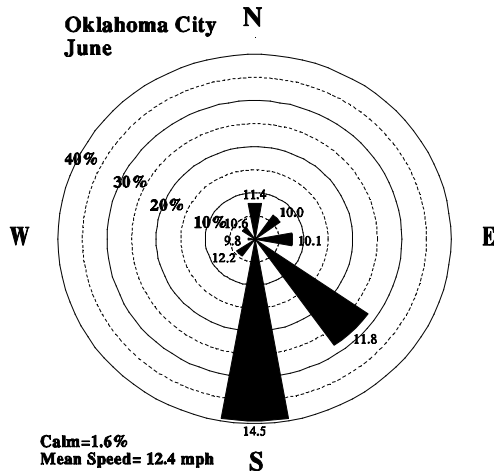
**JUNE**

The data on this calendar are for Tulsa, Oklahoma.  
 Normal values are calculated for the period 1961-1990.  
 Temperature extremes are for the period 1905-2000.  
 Precipitation extremes are for the period 1888-2000.

Day	Avg. Temp.	Ave. High	2001	Record High	Year	Lowest Max	Year	Ave. Low	2001	Highest Min.	Year	Record Low	Year	Avg. Precip.	2001	Greatest Precip.	Year
1	74	84		98	1934	69	1992	64		77	1980	51	1982	0.18		2.83	1962
2	74	84		102	1911	59	1946	64			1980	49	1907	0.17		2.14	1973
3	75	84		101	1911	58	1970	65		77	1925	52	1946	0.17		2.29	1926
4	75	85		102	1911	66	1928	65		75	1999	49	1954	0.17		2.87	1985
5	75	85		102	1911	70	1998	65		78	1980	49	1919	0.17		3.11	1952
6	75	85		106	1911	73	1998	65		76	1980	50	2000	0.17		2.65	1974
7	76	86		100	1911	69	1935	66		79	1980	51	1935	0.16		5.80	1919
8	76	86		104	1911	67	1913	66		79	1984	52	1915	0.16		4.90	1974
9	76	86		105	1911	60	1913	66		79	1981	56	1996	0.16		4.88	1941
10	76	86		108	1911	70	1955	66		80	1911	54	1955	0.16		2.10	1904
11	77	87		100	1924	69	1940	67		80	1911	51	1955	0.16		2.09	1945
12	77	87		99	1953	73	1985	67		77	1958	50	1913	0.15		1.63	1944
13	77	87		101	1924	69	1947	67		80	1958	52	1985	0.15		0.94	1927
14	77	87		107	1911	69	1927	67		78	1991	51	1942	0.15		2.58	1961
15	78	88		102	1924	71	1961	68		78	1911	52	1933	0.15		2.66	1981
16	78	88		106	1911	73	1999	68		78	1953	50	1917	0.15		1.26	1943
17	78	88		102	1925	68	2000	68		79	1932	52	1960	0.15		3.97	1980
18	78	88		104	1918	70	1912	68		80	1953	54	1912	0.14		1.50	1978
19	79	89		106	1918	71	1920	69		80	1953	51	1912	0.14		2.00	1905
20	79	89		107	1918	77	1961	69		82	1998	53	1976	0.14		1.45	1978
21	79	89		107	1936	73	1992	69		80	1934	54	1961	0.14		4.37	1948
22	79	89		106	1936	75	1912	69		78	1936	56	1935	0.14		1.67	1985
23	80	90		103	1934	69	1948	70		81	1925	57	1920	0.13		2.79	1995
24	80	90		104	1933	72	1921	70		80	1980	55	1974	0.13		5.30	1921
25	80	90		105	1933	70	1967	70		80	1980	52	1974	0.13		1.98	1967
26	80	90		105	1918	74	1938	70		80	1998	53	1974	0.13		2.77	1948
27	80	91		102	1980	77	1928	70		80	1980	53	1968	0.13		2.57	1904
28	81	91		106	1925	80	2000	71		80	1980	58	1985	0.12		2.75	1977
29	81	91		105	1925	78	1995	71		80	1980	57	1923	0.12		1.99	1995
30	81	91		107	1925	76	1951	71		80	1980	57	1943	0.12		2.90	1942
<b>MONTH</b>	<b>77.7</b>	<b>87.7</b>		<b>108</b>	<b>1911</b>	<b>58</b>	<b>1970</b>	<b>67.7</b>		<b>82</b>	<b>1998</b>	<b>49</b>	<b>1954</b>	<b>0.15</b>		<b>5.80</b>	<b>1919</b>

DATA COURTESY OF NATIONAL WEATHER SERVICE – TULSA  
 Temperatures are in degrees Fahrenheit; precipitation is in inches.

## JUNE WIND ROSES



**June 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.

## JUNE SUNRISE/SUNSET TIMES FOR 2001

ALL TIMES ARE CENTRAL STANDARD TIME

### OKLAHOMA CITY

DATE	SUNRISE	SUNSET
6/1/01	5:16 AM	7:40 PM
6/2/01	5:16 AM	7:41 PM
6/3/01	5:15 AM	7:41 PM
6/4/01	5:15 AM	7:42 PM
6/5/01	5:15 AM	7:43 PM
6/6/01	5:15 AM	7:43 PM
6/7/01	5:15 AM	7:44 PM
6/8/01	5:14 AM	7:44 PM
6/9/01	5:14 AM	7:45 PM
6/10/01	5:14 AM	7:45 PM
6/11/01	5:14 AM	7:45 PM
6/12/01	5:14 AM	7:46 PM
6/13/01	5:14 AM	7:46 PM
6/14/01	5:14 AM	7:47 PM
6/15/01	5:14 AM	7:47 PM
6/16/01	5:14 AM	7:47 PM
6/17/01	12:00 AM	7:48 PM
6/18/01	5:15 AM	7:48 PM
6/19/01	5:15 AM	7:48 PM
6/20/01	5:15 AM	7:48 PM
6/21/01	5:15 AM	7:49 PM
6/22/01	5:15 AM	7:49 PM
6/23/01	5:16 AM	7:49 PM
6/24/01	5:16 AM	7:49 PM
6/25/01	5:16 AM	7:49 PM
6/26/01	5:17 AM	7:49 PM
6/27/01	5:17 AM	7:49 PM
6/28/01	5:17 AM	7:49 PM
6/29/01	5:18 AM	7:49 PM
6/30/01	5:18 AM	7:49 PM

### TULSA

DATE	SUNRISE	SUNSET
6/1/01	5:08 AM	7:36 PM
6/2/01	5:08 AM	7:36 PM
6/3/01	5:07 AM	7:37 PM
6/4/01	5:07 AM	7:37 PM
6/5/01	5:07 AM	7:38 PM
6/6/01	5:07 AM	7:39 PM
6/7/01	5:06 AM	7:39 PM
6/8/01	5:06 AM	7:40 PM
6/9/01	5:06 AM	7:40 PM
6/10/01	5:06 AM	7:41 PM
6/11/01	5:06 AM	7:41 PM
6/12/01	5:06 AM	7:41 PM
6/13/01	5:06 AM	7:42 PM
6/14/01	5:06 AM	7:42 PM
6/15/01	5:06 AM	7:43 PM
6/16/01	5:06 AM	7:43 PM
6/17/01	5:06 AM	7:43 PM
6/18/01	5:06 AM	7:43 PM
6/19/01	5:07 AM	7:44 PM
6/20/01	5:07 AM	7:44 PM
6/21/01	5:07 AM	7:44 PM
6/22/01	5:07 AM	7:44 PM
6/23/01	5:07 AM	7:45 PM
6/24/01	5:08 AM	7:45 PM
6/25/01	5:08 AM	7:45 PM
6/26/01	5:08 AM	7:45 PM
6/27/01	5:09 AM	7:45 PM
6/28/01	5:09 AM	7:45 PM
6/29/01	5:10 AM	7:45 PM
6/30/01	5:10 AM	7:45 PM

ADD ONE HOUR FOR CENTRAL DAYLIGHT TIME

## CONTACT INFORMATION

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### **Oklahoma Climatological Survey**

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