

# OKLAHOMA MONTHLY CLIMATE SUMMARY

# JUNE 2001

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**Oklahoma Climatological Survey**

## MONTHLY SUMMARY FOR JUNE 2001

### **June 2001**

*Statewide average temperature = 77.0° F*  
*Statewide average rainfall = 2.29 inches*

Near-normal temperatures with less-than-normal precipitation characterized Oklahoma's climate during June. Despite some triple-digit days in the west, the statewide-averaged temperature of 77.0 degrees hit the 30-year monthly mean on the nose and ranks 55th this as the warmest June in the 110 years on record for the state. The "normal" month lifted the average temperature for the first half of 2001 to 55.5 degrees, 0.4 degree less than normal and 41st lowest January-to-June statewide temperature since 1892. Particularly dry weather in southwest, not complemented by substantial precipitation elsewhere, produced a statewide-averaged monthly precipitation of 2.29 inches, 1.66 inches less than normal and 24th least June precipitation on record. Precipitation across the state during the first half of the year totaled 19.02 inches across the state, 1.31 inches greater than normal and the 44th greatest January-June precipitation on record.

### **June Normals**

*Statewide average temperature = 77.0° F*  
*Statewide average rainfall = 3.95 inches*

Significant precipitation was clustered into four separate periods, each of which was preceded by 100-plus degree temperatures in the west. Thunderstorms, mainly in the west on the 4th and 5th, followed a hot spell typified by the 104 degree daily maximum temperatures recorded at Hollis (Harmon County) on both the 3rd and the 4th. A small tornado was reported near Woodward (Woodward) on the 5th and hail or wind damage was reported in several northwestern counties. The Mesonet site near Camargo (Dewey) reported a peak wind of 67 miles per hour on the 5th. Daily precipitation amounts of the 5th included: the Woodward Mesonet station with 3.77 inches, the Arnett Mesonet station (Ellis) with 2.97 inches, the May ranch Mesonet site (Woods) with 2.89 inches, and the Camargo site with 2.69 inches.

Hail storms, predominantly in the south, accompanied a second infusion of cooler air into the state, ending a warm period that included a reported daily maximum temperature of 108 degrees at Goodwell (Texas). The Mesonet site at Alva (Woods) recorded a peak wind of 63 miles per hour on the 12th and the Madill (Marshall) station recorded a 63 mile-per-hour gust on the 14th. One-and-three-quarter-inch hailstones fell in Jackson, Canadian, and Jefferson counties. Eastern Oklahoma received most of the rain, however, including 3.72 inches at Nowata Mesonet site (Nowata), 3.50 inches at Lenapah (Nowata), and 3.19 inches at the Westville Mesonet site (Sequoyah), all reported on the 14th.

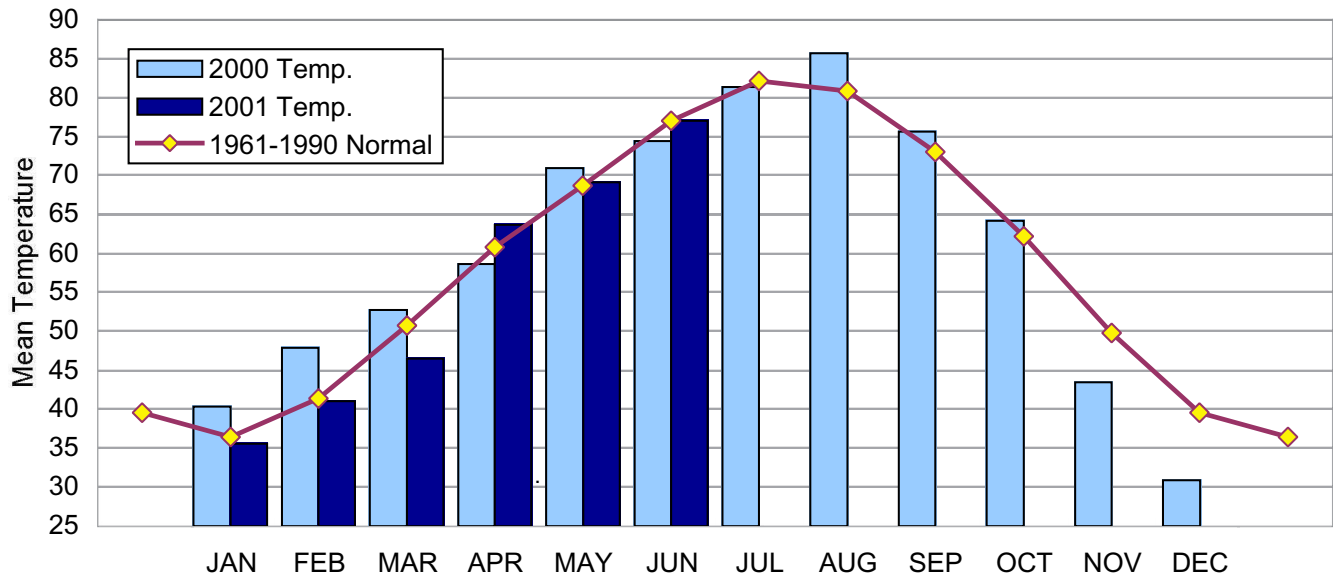
Hail fell from thunderstorms across the northwest on the 16th. The Cherokee Mesonet site (Alfalfa) recorded a peak wind of 61 miles per hour, but rainfall was less than an inch-and-a-half everywhere. Beaver County was raked with very strong winds on the 20th, including a peak gust of 80 miles per hour recorded by the Mesonet station at Slapout. Farther east, Hollow (Craig) recorded 2.76 inches of rain and Mulhall (Logan) reported another 2.65 inches.

**(Continued on page 3.)**

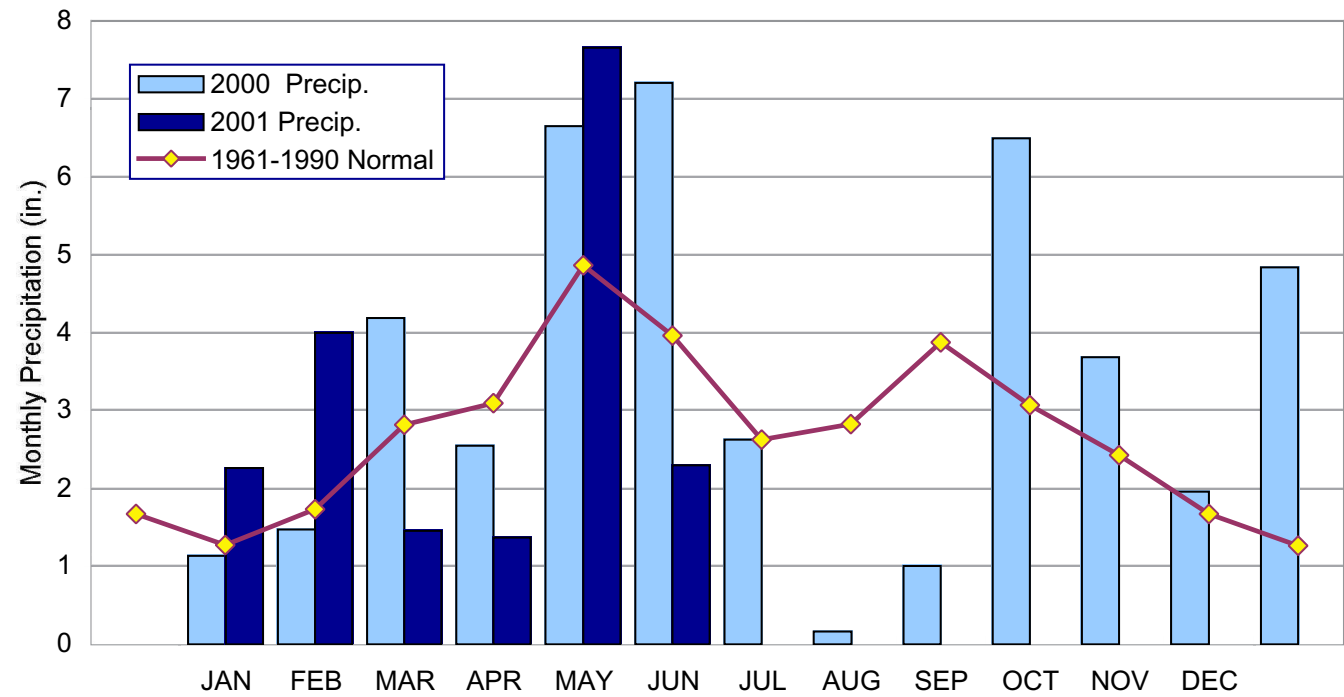
A succession of thunderstorms from the 27th through the morning of the 30th produced locally heavy rain in central and eastern parts of the state. One-and-three-quarter-inch hailstones were recorded in Oklahoma County on the 27th, Tillman County on the 28th, and, early morning of the 30th, in Lincoln, Payne, and Pawnee counties. Flash flooding was reported in Johnston County on the 27th and at Inola (Rogers) and Coweta (Wagoner) on the 29th. Precipitation reports on the morning of the 28th included 4.00 inches at Caney (Atoka), 3.85 inches at Stella (Cleveland), 3.64 inches at Antlers (Pushmataha), and 3.60 inches at Eufaula (McIntosh). On the 29th, Ashland (Pittsburg) reported 3.69 inches of rain and Daisy (Atoka) reported 3.42 inches. The Mesonet station near Madill recorded 4.33 inches on the 30th, accompanied by 3.38 inches at Lake Eufaula (McIntosh) and 3.29 inches at the Pauls Valley (Garvin) Mesonet station.

Howard L. Johnson  
Associate State Climatologist

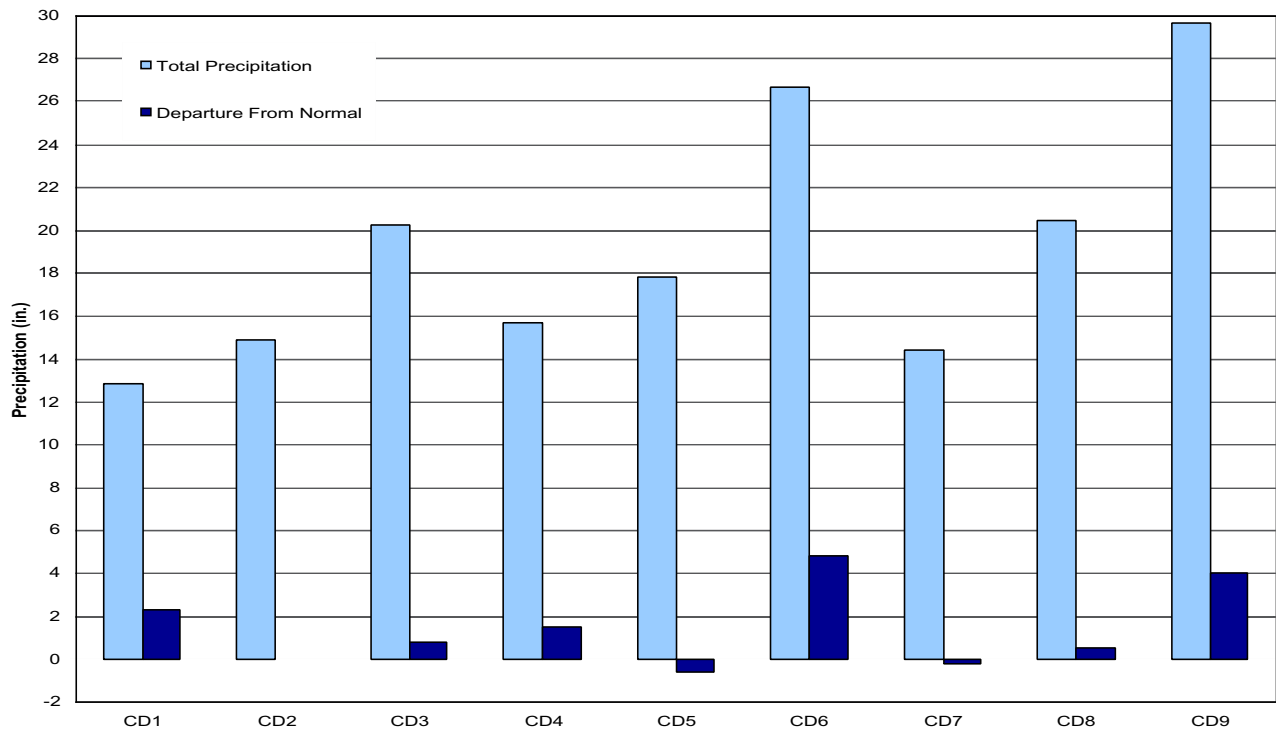
## 2000 AND 2001 STATEWIDE TEMPERATURES - MONTHLY AVERAGES



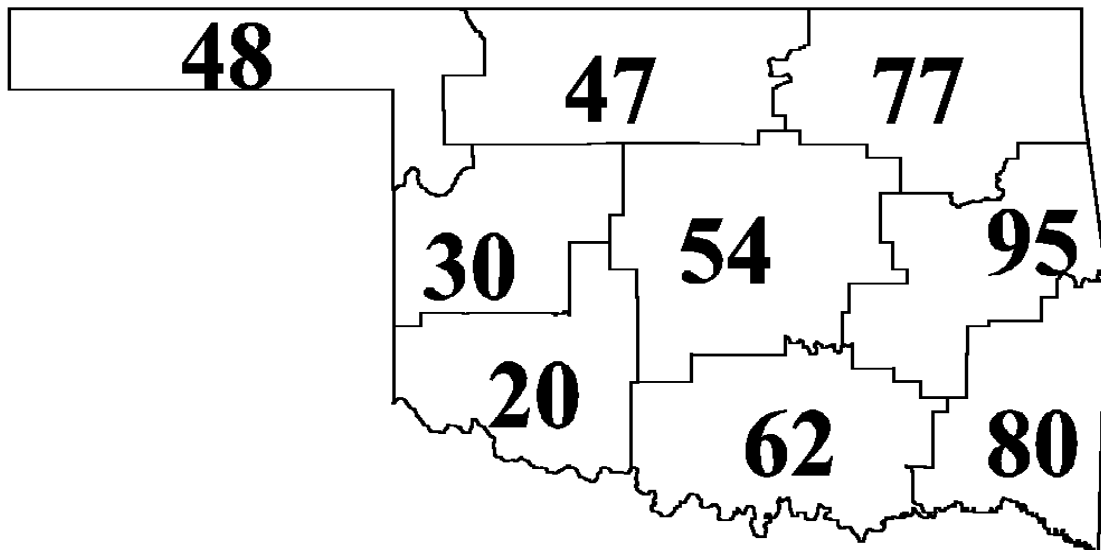
## 2000 AND 2001 STATEWIDE PRECIPITATION - MONTHLY TOTALS



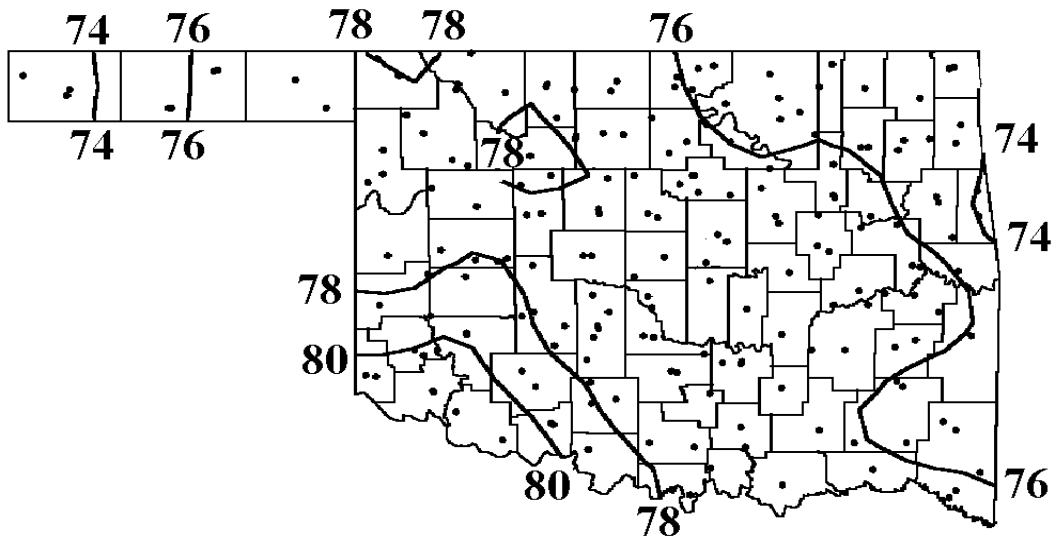
## CLIMATE DIVISION AVERAGED PRECIPITATION - JANUARY THROUGH JUNE 2001



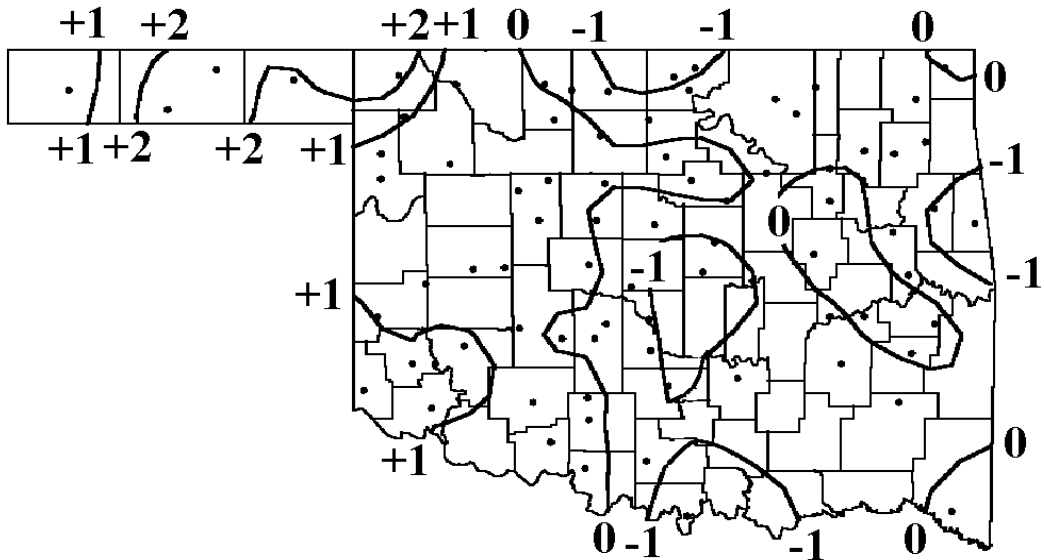
## CLIMATE DIVISION PERCENT OF NORMAL PRECIPITATION - JUNE 2001



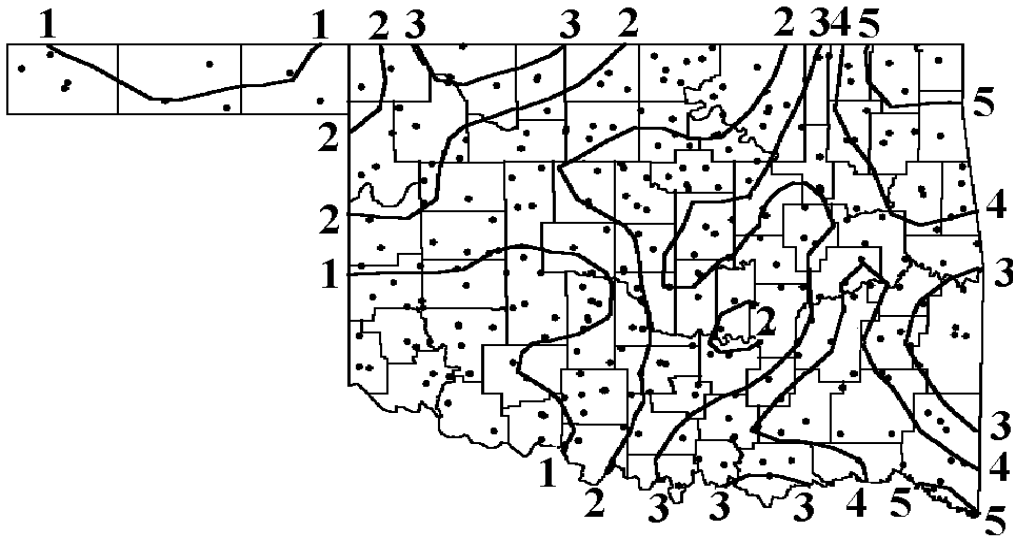
JUNE 2001 AVERAGE MONTHLY TEMPERATURE (°F)



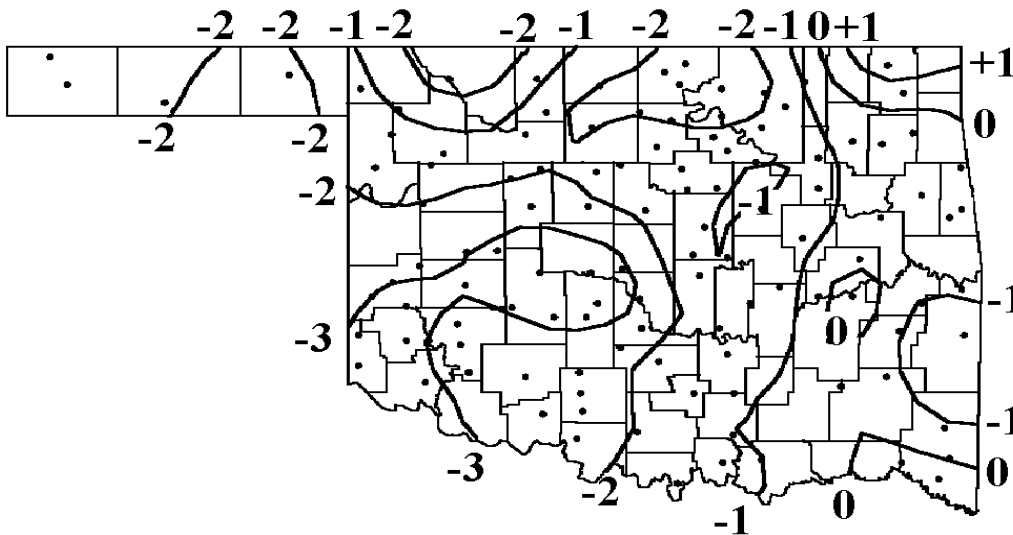
JUNE 2001 DEPARTURE FROM NORMAL TEMPERATURE (°F)



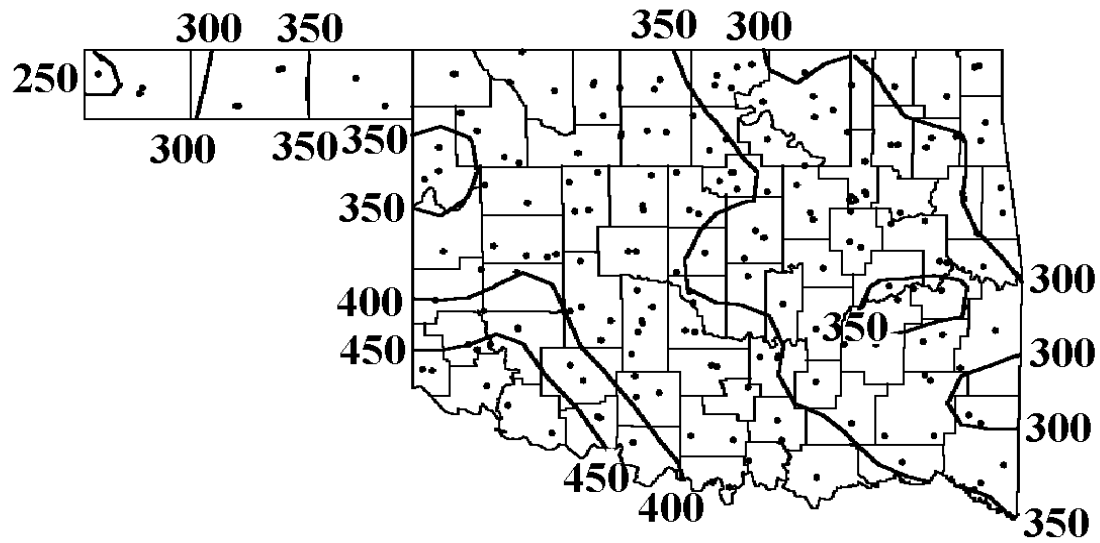
### JUNE 2001 TOTAL PRECIPITATION (INCHES)



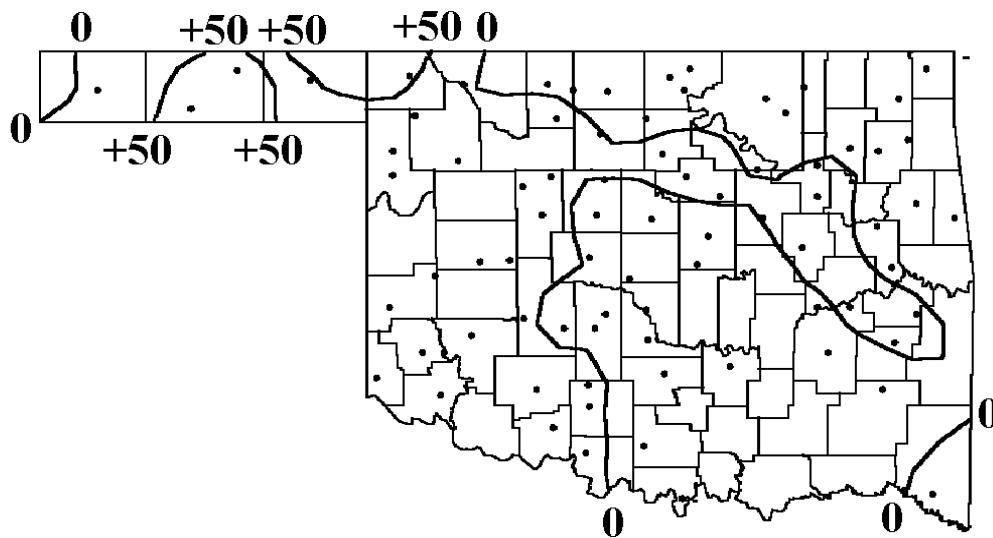
### JUNE 2001 DEPARTURE FROM NORMAL PRECIPITATION (INCHES)



**JUNE 2001 ACCUMULATED COOLING DEGREE DAYS (°F)**



**JUNE 2001 DEPARTURE FROM NORMAL COOLING DEGREE DAYS (°F)**





## JUNE 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	74.3	30	-0.4	97	29	50	15	3	3	280	-15	2.111	30	-1.59	1.48	6
BEAVER	593	1	76.5	30	1.6	102	29	46	15	3	-5	348	43	0.840	30	-2.65	0.62	8
BOISE CITY	908	1	73.1	30	0.0	98	18	43	17	1	-8	244	-7	1.261	30	-1.53	0.65	7
BUFFALO	1243	1	81.7	29	4.2	104	10	52	15	0	0	485	110	1.000	29	*****	0.60	8
FARGO	3070	1	*****	0	*****	***	0	***	0	*****	*****	*****	*****	2.290	30	-1.02	1.42	5
GAGE	3407	1	77.1	29	0.8	100	29	48	16	0	0	351	12	0.025	29	*****	0.02	28
GATE	3489	1	76.7	26	*****	100	29	53	15	0	*****	304	*****	1.700	26	*****	1.07	21
GOODWELL	3628	1	76.3	30	3.2	108	13	46	15	2	-7	340	89	0.810	30	-1.87	0.51	21
HOOKER	4298	1	77.1	29	2.3	101	28	50	14	1	-6	350	50	0.200	29	*****	0.13	6
KENTON	4766	1	73.6	25	*****	99	11	40	15	6	*****	220	*****	1.180	29	*****	0.47	21
LAVERNE	5045	1	*****	0	*****	***	0	***	0	*****	*****	*****	*****	1.833	30	-1.24	1.09	21
RANGE	7412	1	*****	0	*****	***	0	***	0	*****	*****	*****	*****	1.540	30	*****	0.91	21
REGNIER	7534	1	*****	0	*****	***	0	***	0	*****	*****	*****	*****	0.843	30	-1.40	0.70	8
TURPIN	9017	1	76.8	23	*****	102	13	51	15	0	*****	272	*****	0.460	23	*****	0.41	8

## JUNE 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		
VANCE AFB	302	2	*****	0	*****	***	0	***	0	*****	*****	*****	*****	1.862	30	*****	1.02	21
BILLINGS	755	2	76.3	30	-0.8	94	14	51	1	6	6	345	-18	2.202	30	-1.95	1.40	30
BLACKWELL 2E	818	2	76.3	29	-0.9	94	14	53	1	5	5	332	-34	2.041	30	-1.87	0.90	30
BRAMAN	1075	2	*****	0	*****	***	0	***	0	*****	*****	*****	*****	1.460	30	*****	0.74	21
CEDARDALE	1620	2	*****	0	*****	***	0	***	0	*****	*****	*****	*****	0.770	30	*****	0.71	21
CHEROKEE	1724	2	78.2	30	-0.5	99	26	54	15	1	1	398	-14	3.590	30	-0.23	1.16	17
ENID	2912	2	78.4	30	0.3	97	25	55	1	2	2	404	11	1.652	30	-2.49	0.81	20
FT SUPPLY	3304	2	75.6	30	0.3	98	29	44	14	2	-5	320	5	1.690	30	-1.30	0.86	20
FREEDOM	3358	2	76.8	30	-0.8	97	14	50	15	0	0	353	-25	4.491	30	1.35	2.11	6
GREAT SALT P	3740	2	77.9	29	0.6	97	13	56	1	1	1	376	7	0.880	29	*****	0.41	5
HARDY	3909	2	*****	0	*****	***	0	***	0	*****	*****	*****	*****	1.811	30	*****	1.24	15
HELENA	4019	2	77.4	30	1.1	96	30	55	1	2	2	373	34	1.132	30	-2.69	0.51	21
JEFFERSON	4573	2	76.5	30	-1.9	95	14	51	1	3	3	348	-54	1.551	30	-2.49	0.32	13
LAHOMA	4950	2	77.7	29	*****	98	30	53	1	3	*****	372	*****	0.890	30	*****	0.40	21
LAMONT	5013	2	*****	0	*****	***	0	***	0	*****	*****	*****	*****	1.062	30	*****	0.53	5
MEDFORD	5768	2	*****	0	*****	***	0	***	0	*****	*****	*****	*****	1.840	30	*****	0.85	21
MORRISON	6065	2	*****	0	*****	***	0	***	0	*****	*****	*****	*****	1.331	30	*****	0.68	15
MUTUAL	6139	2	77.4	30	1.5	98	30	51	15	0	0	373	42	1.000	30	-2.31	0.60	21
NEWKIRK	6278	2	75.4	30	-1.6	92	14	51	1	7	7	318	-42	1.652	30	-2.80	0.58	28
ORIENTA	6751	2	*****	0	*****	***	0	***	0	*****	*****	*****	*****	2.382	30	-1.33	1.13	17
PERRY	7012	2	78.6	30	0.9	94	15	54	1	4	4	411	30	2.301	30	-1.59	0.95	28
PONCA CITY	7201	2	76.0	30	-1.0	93	14	51	2	6	6	335	-25	0.496	30	-3.42	0.35	15
RED ROCK	7505	2	*****	0	*****	***	0	***	0	*****	*****	*****	*****	1.921	30	-2.17	0.78	14
WAYNOKA	9404	2	79.1	22	*****	99	14	52	15	0	*****	311	*****	1.901	23	*****	1.32	21

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

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG	DEV FROM	COOL DEG	DEV FROM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
BARNSDALL	535	3	75.8	30	-1.0	91	27	49	3	2	2	327	-28	2.871	30	-1.87	2.78	15
BARTLESVILLE	548	3	76.7	30	-0.1	92	27	47	1	1	1	352	-3	3.271	30	-0.78	1.75	15
BIXBY	782	3	76.8	30	0.9	92	27	51	1	0	0	353	26	3.231	30	-1.39	1.80	28
BURBANK	1256	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.152	30	-3.15	0.93	14
CHELSEA	1717	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.560	30	*****	1.82	29
CLAREMORE	1828	3	75.2	30	-0.4	91	28	48	1	8	8	315	-4	3.471	30	-1.13	1.48	15
HOLLOW	4258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.510	30	2.84	2.76	21
HOMINY	4289	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.450	30	-1.44	2.10	15
LENAPAH	5118	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.210	30	*****	3.50	14
MANNFORD	5522	3	75.9	30	-0.7	91	27	50	1	0	0	326	-22	4.111	30	0.23	2.55	15
MARAMEC	5540	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.200	30	-2.60	0.62	15
MIAMI	5855	3	75.4	29	0.5	92	13	51	2	5	5	308	11	6.380	29	*****	2.65	21
PAWHUSKA	6935	3	76.2	30	0.0	90	27	48	1	1	1	336	-1	1.201	30	-3.34	1.00	15
PAWNEE	6940	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.240	30	-1.60	1.23	30
PRYOR	7309	3	75.3	29	0.0	91	14	48	1	9	9	309	-1	4.743	30	-0.25	2.08	15
RALSTON	7390	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.930	30	-2.22	1.12	9
SPAVINAW	8380	3	77.1	30	0.5	91	14	50	1	1	1	363	15	3.740	30	-1.16	1.89	15
TULSA	8992	3	78.1	30	0.4	92	27	52	1	0	0	394	13	3.044	30	-1.40	1.31	14
UPPER SPAV	9101	3	73.9	30	*****	91	12	50	1	2	*****	269	*****	4.842	30	*****	2.97	15
VINITA	9203	3	74.2	29	-1.0	89	14	48	1	3	3	271	-36	4.890	30	0.20	1.74	15
WANN	9298	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.561	30	*****	1.60	15
WYNONA	9792	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.391	30	*****	2.12	15

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

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG	DEV FROM	COOL DEG	DEV FROM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
CANTON DAM	1445	4	78.0	30	1.6	97	30	54	15	1	1	390	48	2.541	30	-1.28	1.30	21
CLINTON	1909	4	77.9	30	-0.4	99	5	55	22	0	0	386	-13	1.222	30	-2.93	0.74	6
COLONY	2039	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.370	30	*****	1.23	15
CORDELL	2125	4	78.5	27	*****	97	30	53	22	0	*****	365	*****	0.760	30	-3.09	0.43	13
ELK CITY	2849	4	76.8	30	-0.2	99	30	47	16	0	0	354	-7	0.760	30	-3.11	0.50	6
ERICK	2944	4	78.0	30	1.3	101	30	53	15	0	0	390	39	0.410	30	-3.29	0.19	21
GEARY	3497	4	77.1	25	*****	93	12	55	21	0	*****	302	*****	1.050	25	*****	0.85	14
HAMMON	3871	4	76.4	27	*****	98	29	50	13	0	*****	309	*****	1.160	27	*****	0.85	6
LEEDEY	5090	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.920	30	-1.60	1.05	6
MACKIE	5463	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.520	30	*****	0.75	5
MORAVIA	6035	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.290	30	-3.51	0.22	12
OKEENE	6629	4	78.7	30	0.3	97	14	54	1	0	0	410	11	2.091	30	-2.06	1.39	21
RETROP	7565	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.670	30	*****	0.57	13
REYDON	7579	4	76.6	26	*****	97	30	55	14	0	*****	301	*****	2.690	26	*****	1.30	6
SAYRE	7952	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.780	30	-2.88	0.55	6
SWEETWATER	8652	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.910	30	*****	0.40	6
THOMAS	8815	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.290	30	*****	0.65	6
VICI	9172	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.641	30	-1.90	0.87	5
WATONGA	9364	4	77.3	30	0.1	94	13	54	15	2	2	371	5	0.860	30	-3.19	0.55	21
WEATHERFORD	9422	4	77.9	30	0.8	95	13	54	22	0	0	389	26	0.390	30	-3.62	0.24	13

## JUNE 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	****	****	****	0.330	30	****	0.23	29	
BLANCHARD	830	5	77.3	29	0.2	92	13	53	1	0	0	356	-8	0.762	30	-3.25	0.62	9
BRISTOW	1144	5	76.8	30	-0.1	90	27	49	1	0	0	354	-3	2.640	30	-1.23	0.82	29
CHANDLER	1684	5	75.7	29	-1.3	92	14	50	1	10	10	320	-40	3.140	30	-0.89	1.76	30
CHICKASHA EXP	1750	5	78.4	30	0.0	95	13	53	22	0	0	403	1	0.820	30	-2.89	0.40	29
COX CITY	2196	5	****	0	****	****	0	****	0	****	****	****	****	1.630	30	****	1.00	13
CRESCENT	2242	5	****	0	****	****	0	****	0	****	****	****	****	2.200	30	****	1.30	15
CUSHING	2318	5	77.1	30	0.8	92	14	53	1	6	6	369	30	3.170	30	-1.10	1.49	30
EDMOND	2788	5	****	0	****	****	0	****	0	****	****	****	****	0.550	30	****	0.24	28
EL RENO	2818	5	77.9	29	0.9	95	13	56	23	0	0	374	14	0.500	29	****	0.24	20
GUTHRIE	3821	5	76.9	30	-1.0	93	13	53	2	3	3	360	-27	1.850	30	-2.38	1.29	21
HENNESSEY	4055	5	77.8	29	0.0	96	13	56	1	0	0	370	-14	2.750	30	-1.43	1.35	20
INGALLS	4489	5	****	0	****	****	0	****	0	****	****	****	****	1.190	30	****	0.78	15
KINGFISHER	4861	5	77.7	29	-0.4	98	5	56	15	1	1	369	-24	2.490	30	-1.78	1.36	21
KONAWA	4915	5	****	0	****	****	0	****	0	****	****	****	****	2.100	30	-1.98	1.76	30
MARSHALL	5589	5	****	0	****	****	0	****	0	****	****	****	****	3.570	30	-0.41	1.78	24
MEEKER	5779	5	73.3	30	-3.4	89	14	48	1	8	8	256	-95	4.010	30	-0.17	1.50	21
MULHALL	6110	5	****	0	****	****	0	****	0	****	****	****	****	3.400	30	****	1.76	21
NORMAN NWS	6386	5	76.6	30	-0.6	91	16	51	1	0	0	347	-20	0.431	30	-3.66	0.21	30
OKEMAH	6638	5	75.8	23	****	90	12	56	1	0	****	249	****	3.471	26	****	1.80	9
OKLAHOMA CTY	6659	5	****	0	****	****	0	****	0	****	****	****	****	0.553	30	****	0.20	30
OKLAHOMA CTY	6661	5	76.3	30	-0.3	92	16	52	1	0	0	341	-11	0.554	30	-3.76	0.20	30
PERKINS	7003	5	****	0	****	****	0	****	0	****	****	****	****	3.720	30	-0.71	2.60	30
PIEDMONT	7068	5	****	0	****	****	0	****	0	****	****	****	****	2.120	30	****	0.85	21
PRAGUE	7264	5	****	0	****	****	0	****	0	****	****	****	****	3.041	30	-0.76	2.49	30
PURCELL	7327	5	76.4	30	-1.3	93	14	51	1	4	4	347	-35	0.991	30	-3.24	0.78	30
SEMINOLE	8042	5	76.4	27	****	93	20	51	3	0	****	309	****	2.571	27	****	2.42	30
SHAWNEE	8110	5	****	0	****	****	0	****	0	****	****	****	****	4.011	30	-0.31	2.48	30
STELLA	8479	5	****	0	****	****	0	****	0	****	****	****	****	7.500	30	****	3.85	28
STILLWATER	8501	5	77.0	30	0.8	93	14	51	1	5	5	366	30	3.311	30	-0.69	2.04	30
STROUD	8563	5	****	0	****	****	0	****	0	****	****	****	****	2.880	30	****	1.29	30
TECUMSEH	8751	5	****	0	****	****	0	****	0	****	****	****	****	0.800	30	****	0.80	28
UNION CITY	9086	5	****	0	****	****	0	****	0	****	****	****	****	0.422	30	-4.27	0.19	29
WANETTE	9291	5	75.8	27	****	92	17	50	1	4	****	295	****	2.890	27	****	2.10	30
WELTY	9479	5	****	0	****	****	0	****	0	****	****	****	****	2.910	30	****	0.92	15
WEWOKA	9575	5	****	0	****	****	0	****	0	****	****	****	****	2.151	30	-1.91	1.05	30

## JUNE 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	****	****	****	5.241	30	****	3.69	29	
CHECOTAH	1711	6	****	0	****	****	0	****	0	****	****	****	****	3.330	30	-0.56	1.71	30
CLAYTON	1858	6	****	0	****	****	0	****	0	****	****	****	****	4.920	30	****	2.18	29
DUSTIN	2690	6	****	0	****	****	0	****	0	****	****	****	****	2.021	30	****	1.11	28
EUFULA	2993	6	78.6	30	0.6	93	27	41	1	3	3	411	21	7.410	30	3.38	3.60	28
HANNA	3884	6	76.6	30	-0.6	91	27	57	16	0	0	348	-19	3.350	30	-0.36	2.02	29
HOLDENVILLE	4235	6	78.5	28	****	96	27	57	22	0	****	378	****	0.770	28	****	0.39	29
LAKE EUFAULA	4975	6	75.5	30	****	89	28	57	1	0	****	315	****	5.801	30	****	3.38	30
LYONS	5437	6	****	0	****	****	0	****	0	****	****	****	****	3.421	30	-1.04	1.35	21
MCALESTER	5664	6	76.6	30	-0.6	91	20	52	1	0	0	349	-17	3.832	30	-0.15	2.28	28
MCCURTAIN	5693	6	78.1	30	0.7	95	17	45	9	0	0	392	20	2.240	30	-1.93	0.83	15
MUSKOGEE	6130	6	76.1	30	-0.9	91	13	51	1	0	0	334	-27	3.632	30	-0.66	1.86	29
OKMULGEE	6670	6	77.1	30	1.0	92	25	56	2	0	0	362	29	2.970	30	-1.26	1.73	30
OKTAHA	6678	6	****	0	****	****	0	****	0	****	****	****	****	4.670	30	****	2.12	30
SCIPIO	7979	6	****	0	****	****	0	****	0	****	****	****	****	1.830	30	****	0.73	29
SHORT	8170	6	****	0	****	****	0	****	0	****	****	****	****	2.720	30	****	1.72	22
STILWELL	8506	6	72.4	30	-2.6	89	12	42	2	10	10	232	-68	4.680	30	0.46	2.16	15
TAHLEQUAH	8677	6	74.4	30	-1.2	88	18	48	1	2	2	283	-35	5.531	30	1.00	2.52	15
WEBBERS FALL	9445	6	76.8	29	0.1	94	20	52	1	5	5	346	-5	3.980	29	****	1.40	30
WETUMKA	9571	6	****	0	****	****	0	****	0	****	****	****	****	1.700	30	-2.40	0.64	30

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

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG	DEV FROM NORM	COOL DEG	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX		
ALTUS	179	7	80.9	30	1.0	102	28	56	15	0	0	478	31	0.350	30	-3.16	0.27	13
ALTUS DAM	184	7	82.4	30	3.5	101	29	60	16	0	0	521	104	0.540	30	-3.17	0.48	13
ANADARKO	224	7	76.2	30	-1.3	92	14	50	22	0	0	335	-41	0.610	30	-3.25	0.52	13
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.311	30	*****	0.21	13
CARNEGIE	1504	7	78.3	30	0.3	97	13	55	1	0	0	401	2	0.801	30	-3.20	0.60	15
CHATTANOOGA	1706	7	79.6	28	*****	100	13	55	22	0	*****	409	*****	0.740	29	*****	0.36	29
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.230	30	*****	1.09	15
FREDERICK	3353	7	80.2	28	*****	101	28	59	15	0	*****	426	*****	0.020	28	*****	0.02	12
HEADRICK	3998	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.630	30	*****	0.39	23
HOBART	4204	7	80.2	30	1.6	100	29	54	23	0	0	456	48	0.544	30	-2.53	0.35	13
HOLLIS	4249	7	81.3	30	1.7	104	29	56	15	0	0	488	50	0.340	30	-3.35	0.24	13
LAWTON	5063	7	78.9	30	0.6	98	13	57	15	0	0	417	18	1.350	30	-2.27	1.20	13
LOOKEBA	5329	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.950	30	-3.21	0.89	15
MANGUM	5509	7	79.4	30	-0.1	100	29	55	23	0	0	433	-2	0.630	30	-3.14	0.41	13
RANDLETT	7403	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.450	30	*****	0.32	15
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.440	30	-2.22	1.20	13
SEDAN	8016	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.390	30	*****	0.85	13
SNYDER	8299	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.590	30	-2.87	0.53	13
VINSON	9212	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.730	30	-2.73	0.45	13
WALTERS	9278	7	78.2	30	-1.1	96	14	57	23	0	0	395	-34	0.610	30	-3.53	0.49	15
WICHITA MT	9629	7	78.5	27	*****	96	13	53	22	0	*****	364	*****	0.470	28	*****	0.42	13

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

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG	DEV FROM NORM	COOL DEG	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX		
ADA	17	8	77.4	30	0.5	91	20	52	1	0	0	371	14	1.152	30	-2.95	0.97	30
ALLEN	147	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.020	30	*****	1.00	30
ARDMORE	292	8	79.9	28	*****	96	13	59	1	0	*****	418	*****	2.530	28	*****	2.00	30
ATOKA DAM	394	8	76.7	28	*****	93	27	53	1	1	*****	327	*****	3.320	29	*****	1.86	28
BOKCHITO	917	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.150	30	*****	2.25	28
CANEY	1437	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.710	30	*****	4.00	28
CENTRAHOMA	1648	8	76.1	27	*****	91	21	53	1	1	*****	300	*****	1.550	28	*****	1.10	30
CHICKASAW	1745	8	76.6	22	*****	92	13	53	2	2	*****	257	*****	2.100	30	-1.86	1.17	30
COLEMAN	2011	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.820	30	*****	1.30	19
COMANCHE	2054	8	77.5	28	*****	94	13	58	1	0	*****	350	*****	0.000	30	-3.82	0.00	30
DAISY	2354	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.780	30	0.52	3.42	29
DUNCAN	2660	8	78.0	30	0.1	94	13	57	1	0	0	389	2	1.000	30	-2.98	0.42	30
DURANT	2678	8	77.3	28	*****	95	12	54	1	0	*****	346	*****	2.880	30	-1.71	1.38	29
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.870	30	*****	0.83	30
GRADY	3688	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.150	30	*****	1.30	14
HEALDTON	4001	8	77.2	30	-0.8	95	14	55	1	0	0	366	-24	2.170	30	-2.00	1.24	30
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.890	30	*****	0.51	13
KETCHUM RAN	4780	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.470	30	*****	0.65	14
KINGSTON	4865	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.300	30	-0.78	2.30	30
LEHIGH	5108	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.721	30	*****	3.02	27
LINDSAY	5216	8	76.2	28	*****	96	11	53	1	1	*****	314	*****	1.400	30	-2.62	0.53	30
LOCO	5247	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.750	30	*****	1.01	15
MADILL	5468	8	78.8	28	*****	95	15	56	1	0	*****	386	*****	2.990	28	*****	1.95	30
MARIETTA	5563	8	75.9	30	-2.2	92	14	54	2	0	0	328	-66	2.760	30	-1.24	1.36	30
MARLOW	5581	8	78.5	30	1.4	95	12	55	22	0	0	405	42	1.340	30	-2.84	0.65	13
MCGEE CREEK	5713	8	77.2	28	*****	94	21	55	1	0	*****	342	*****	4.660	28	*****	2.50	15
PAULS VALLEY	6926	8	76.5	30	-1.8	95	14	52	1	2	2	346	-54	3.670	30	-0.23	2.60	30
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.270	30	-0.84	2.23	28
TISHOMINGO	8884	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.940	30	-0.66	2.48	27
TUSSY	9032	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.220	30	*****	1.00	14
WAURIKA	9395	8	80.7	30	1.4	98	13	59	22	0	0	471	42	1.551	30	-2.18	0.90	23

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

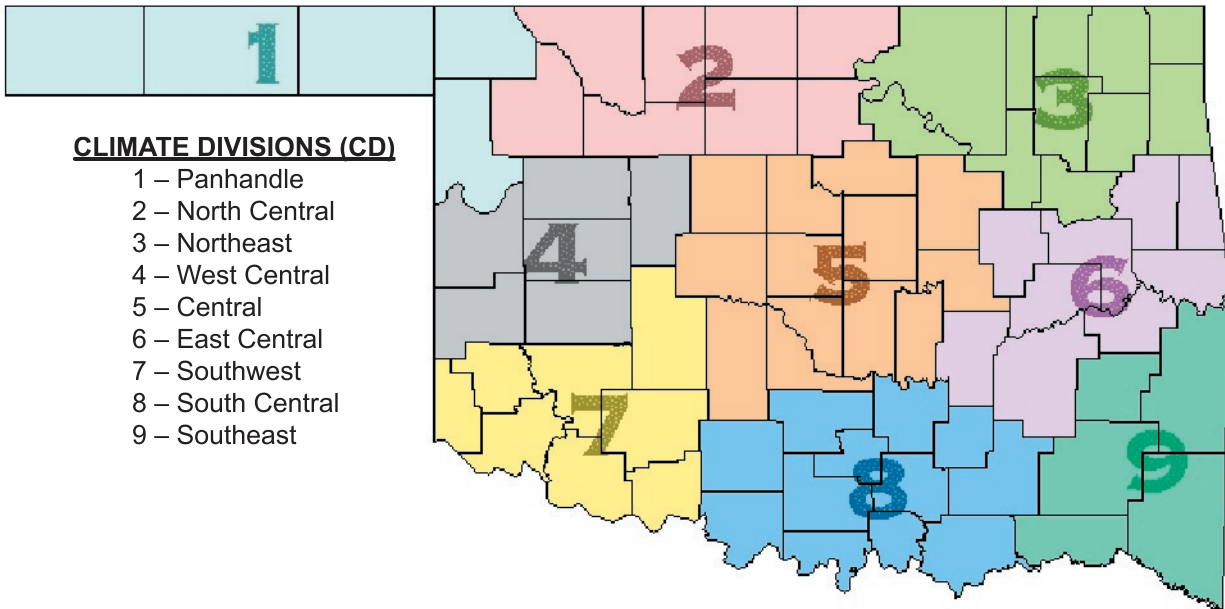
NAME	ID	CD	DEV				MIN	DAY	HEAT	DEV	COOL	DEV	TOT	NUM	DEV		DAY	
			MEAN	NUM	FROM	MAX									FROM	MAX		
BATTIEST	567	9	72.8	30	*****	88	28	50	23	1	*****	235	*****	2.851	30	*****	0.98	29
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.340	30	*****	1.18	29
BROKEN BOW	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.550	30	0.21	1.80	29
CARNASAW	1499	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.090	30	-0.46	1.37	29
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.820	30	-1.45	1.95	30
HEAVENER	4008	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.630	30	-2.44	0.89	14
IDABEL	4451	9	77.4	30	0.4	92	21	57	2	0	0	373	13	5.220	30	0.93	2.15	29
PAGE	6842	9	75.1	26	*****	90	28	51	23	2	*****	264	*****	1.931	26	*****	1.59	14
SMITHVILLE	8285	9	73.3	24	*****	91	18	49	23	1	*****	199	*****	2.242	29	*****	1.33	15
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.480	30	-0.05	1.44	15
TUSKAHOMA	9023	9	76.4	30	-0.7	92	18	52	23	0	0	342	-22	4.280	30	-0.50	2.40	30
VALLIANT	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.581	30	0.59	1.71	29
WILBURTON	9634	9	76.5	30	0.2	95	27	52	1	0	0	346	7	2.341	30	-1.78	1.04	14
WISTER	9724	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.180	30	*****	1.15	29

## JUNE 2001 CLIMATE DIVISION SUMMARY

NAME	CD	DEV				MIN	DAY	HEAT	DEV	COOL	DEV	TOT	NUM	DEV		DAY	
		MEAN	NUM	FROM	MAX									FROM	MAX		
CLIMATE DIVISION 1	1	76.6	7	1.8	108	13	40	15	1	-4	342	45	1.440	8	-1.57	1.48	6
CLIMATE DIVISION 2	2	77.0	14	-0.2	99	14	44	14	3	2	361	-7	1.780	22	-1.99	2.11	6
CLIMATE DIVISION 3	3	75.9	12	-0.3	92	27	47	1	3	3	327	-10	3.360	21	-1.03	3.50	14
CLIMATE DIVISION 4	4	77.8	7	0.7	101	30	47	16	0	0	384	21	1.140	17	-2.70	1.39	21
CLIMATE DIVISION 5	5	76.8	14	-0.4	98	5	48	1	3	3	352	-13	2.250	32	-1.90	3.85	28
CLIMATE DIVISION 6	6	76.2	10	-0.5	96	27	41	1	2	2	337	-14	3.850	18	-0.22	3.69	29
CLIMATE DIVISION 7	7	79.5	9	0.8	104	29	50	22	0	0	436	23	0.750	18	-2.92	1.20	13
CLIMATE DIVISION 8	8	77.7	7	-0.2	98	13	52	1	0	0	382	-5	2.540	26	-1.57	4.00	28
CLIMATE DIVISION 9	9	75.8	4	-0.6	95	27	49	23	0	0	324	-18	3.360	12	-0.85	2.40	30

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

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

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

### **Cooling Degree Days Calculation**

NumDays

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

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

# MESONET MONTHLY SUMMARY FOR JUNE 2001

NAME	MEAN MAX			MIN		HDD	CDD	TOT MAX			NAME	MEAN MAX			MIN		HDD	CDD	TOT MAX		
	TEMP	TEMP	DAY	TEMP	DAY			PPT	24-HR	DAY		TEMP	TEMP	DAY	TEMP	DAY			PPT	24-HR	DAY
<b>PANHANDLE</b>																					
Arnett	76.4	97	28	52	15	0	341	3.63	2.97	5	Goodwell	75.6	101	11	45	14	4	322	*****	*****	**
Beaver	77.6	102	28	46	15	0	377	0.71	0.51	8	Hooker	76.2	101	12	47	15	0	334	0.51	0.26	8
Boise City	72.5	97	18	42	14	9	234	2.06	0.88	21	Kenton	72.9	98	11	42	14	8	246	1.54	0.85	21
Buffalo	78.0	100	28	48	15	0	390	1.50	0.48	4	Slapout	77.2	100	28	52	15	0	364	0.96	0.88	20
<b>NORTH CENTRAL</b>																					
Alva	78.0	98	11	51	1	0	390	1.94	0.70	21	May Ranch	76.6	95	12	55	1	0	346	4.67	2.89	5
Blackwell	76.6	94	10	52	1	0	347	1.46	0.78	29	Medford	77.4	96	10	53	1	0	373	*****	*****	**
Breckenridge	77.1	95	13	53	1	0	362	0.86	0.38	21	Newkirk	75.3	91	13	51	1	0	309	1.32	0.65	14
Cherokee	79.0	99	12	54	1	0	420	2.56	0.86	16	Red Rock	76.6	93	13	52	1	0	346	2.64	0.61	14
Fairview	78.9	98	29	54	1	0	416	2.34	0.82	16	Seiling	77.9	97	29	50	15	0	387	0.95	0.49	20
Freedom	77.3	97	16	51	15	0	345	2.99	1.63	16	Woodward	76.9	95	28	53	15	0	358	4.72	3.77	5
Lahoma	77.5	97	12	53	1	0	375	0.95	0.30	21											
<b>NORTHEAST</b>																					
Bixby	76.7	91	27	50	1	0	349	3.07	1.50	28	Nowata	74.0	89	13	47	1	2	272	4.13	3.72	14
Burbank	74.8	90	13	47	1	1	295	1.17	0.61	14	Pawnee	75.8	91	13	50	1	0	324	1.42	0.59	14
Claremore	75.6	91	27	49	1	0	317	3.90	1.71	28	Porter	76.6	91	12	51	1	0	349	3.47	1.21	29
Copan	75.3	91	11	48	1	0	308	2.23	0.78	14	Pryor	74.5	90	13	46	1	3	288	5.06	2.14	14
Foraker	73.7	89	27	48	1	1	261	0.96	0.63	14	Skiatook	75.4	89	12	49	1	1	314	3.34	2.37	14
Jay	74.4	90	12	45	1	2	285	*****	*****	**	Vinita	*****	***	**	***	**	*****	*****	*****	*****	**
Miami	74.1	89	12	47	1	3	276	5.71	2.05	21	Wynona	75.3	90	13	49	1	0	310	2.47	2.15	14
<b>WEST CENTRAL</b>																					
Bessie	78.9	98	29	57	15	0	417	0.62	0.40	5	Putnam	77.6	96	29	55	1	0	379	1.52	0.61	5
Butler	78.5	99	29	52	15	0	406	2.33	2.05	5	Retrop	79.1	100	28	55	15	0	409	0.37	0.33	12
Camargo	77.0	97	28	52	15	0	359	3.85	2.69	5	Watonga	78.0	95	12	56	1	0	390	0.69	0.23	5
Cheyenne	77.0	97	28	57	1	0	360	1.77	0.91	5	Weatherford	78.0	96	12	55	1	0	389	0.64	0.37	12
Erick	78.3	100	28	50	15	0	397	0.27	0.12	12											
<b>CENTRAL</b>																					
Acme	77.2	94	12	53	22	0	365	1.72	0.91	13	Minco	76.9	93	12	56	1	0	358	0.21	0.11	27
Bowlegs	76.4	91	12	50	1	0	332	0.90	0.86	30	Ninnekah	78.4	96	12	55	22	0	401	0.86	0.41	13
Bristow	75.9	89	12	50	1	0	326	3.49	1.26	8	Norman	76.8	92	12	52	1	0	354	0.38	0.12	21
Chandler	76.7	91	12	51	1	0	349	2.91	2.27	30	Oilton	75.9	91	13	48	1	0	327	3.35	1.96	14
Chickasha	77.3	95	12	52	22	0	370	0.61	0.25	13	Okemah	76.3	91	16	52	1	0	339	3.78	1.56	9
El Reno	75.1	91	12	49	22	0	302	1.11	0.95	14	Perkins	77.7	95	13	52	1	0	367	3.58	2.51	30
Guthrie	77.8	93	12	53	1	0	384	3.12	1.33	21	Shawnee	77.5	93	13	52	1	0	375	2.67	2.31	30
Kingfisher	78.3	96	12	52	1	0	400	2.31	1.23	21	Spencer	76.7	91	13	53	1	0	352	2.73	1.36	21
Marena	76.0	92	13	51	1	0	331	3.03	1.02	27	Stillwater	77.1	92	11	51	1	0	350	*****	*****	**
Marshall	77.6	95	12	52	1	0	377	3.01	1.66	21	Washington	76.4	92	12	53	1	0	343	0.77	0.26	30
<b>EAST CENTRAL</b>																					
Calvin	76.2	91	16	53	1	0	335	0.58	0.27	28	Sallisaw	76.0	92	11	43	1	3	323	3.20	1.51	21
Cookson	74.9	90	12	48	1	1	299	3.50	1.21	21	Stigler	77.2	92	11	53	1	0	366	3.46	1.33	29
Eufaula	77.5	92	27	54	1	0	375	5.55	2.16	30	Stuart	76.8	91	12	52	1	0	355	2.48	1.78	28
Haskell	76.5	91	12	52	1	0	344	2.64	1.15	28	Tahlequah	75.0	89	12	47	1	2	302	5.05	2.26	14
Hectorville	76.8	90	12	52	1	0	353	1.67	0.92	14	Webbers Falls	78.5	95	18	55	1	0	404	3.82	1.80	29
McAlester	76.4	91	20	52	1	0	343	4.08	2.37	28	Westville	74.4	88	11	49	1	1	284	5.80	3.19	14
Okmulgee	75.8	91	13	50	1	0	325	2.09	0.75	28											
<b>SOUTHWEST</b>																					
Altus	*****	***	**	***	**	*****	*****	*****	*****	**	Hollis	80.9	104	3	55	15	0	476	0.40	0.33	12
Apache	77.4	95	12	55	1	0	371	0.70	0.53	13	Mangum	79.9	100	3	51	15	0	448	0.47	0.32	12
Fort Cobb	78.2	95	3	56	1	0	395	0.66	0.29	14	Medicine Park	78.3	95	12	57	1	0	399	0.96	0.71	12
Grandfield	81.6	102	12	56	15	0	496	0.15	0.09	28	Tipton	81.9	102	12	56	15	0	506	0.29	0.15	23
Hinton	78.1	96	12	56	22	0	392	1.07	0.99	14	Walters	80.1	98	12	57	22	0	451	0.69	0.29	14
Hobart	79.8	99	12	55	15	0	444	0.54	0.35	12											
<b>SOUTH CENTRAL</b>																					
Ada	77.2	92	12	52	1	0	366	0.84	0.76	30	Lane	76.6	92	13	54	1	0	347	3.47	1.85	28
Ardmore	77.9	95	12	55	1	0	388	3.39	2.36	30	Madill	78.1	96	13	55	1	0	392	5.97	4.33	30
Bee	78.6	94	20	56	1	0	408	3.78	2.30	27	Pauls Valley	77.4	93	12	54	1	0	372	4.10	3.29	30
Burneyville	78.1	95	13	56	1	0	392	3.42	2.46	30	Ringling	*****	***	**	***	**	*****	*****	*****	*****	**
Byars	77.0	92	16	54	1	0	324	2.67	1.82	30	Sulphur	76.7	91	12	52	1	0	352	1.46	1.19	30
Centrahoma	75.8	91	19	51	1	0	324	1.73	0.54	29	Tishomingo	76.2	93	13	52	1	0	336	5.04	2.38	27
Durant	77.8	93	13	56	1	0	385	1.69	0.83	30	Vanoss	77.0	91	12	51	1	0	359	1.41	1.01	30
Ketchum Ranch	76.9	93	12	55	1	0	356	1.66	0.70	14	Waurika	79.3	97	12	58	1	0	428	0.72	0.66	14
<b>SOUTHEAST</b>																					
Antlers	75.6	93	19	49	23	0	317	4.76	3.64	28	Idabel	76.9	92	20	57	1	0	356	6.46	2.11	29
Broken Bow	75.7	93	20	54	1	0	320	3.62	1.89	29	Mt Herman	74.8	90	20	54	1	0	295	3.20	1.18	14
Clayton	76.4	93	20	53	1	0	342	4.21	2.00	30	Talihina	*****	***	**	***	**	*****	*****	*****	*****	**
Cloudy	75.6	91	20	54	23	0	319	5.67	2.71	29	Wilburton	75.8	92	20	51	1	0	324	2.96	1.05	30
Hugo	76.6	92	20	56	1	0	347	2.87	0.98	28	Wister	75.9	93	11	52	23	0	328	1.37	0.70	14



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

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	108	13	GOODWELL	40	15	KENTON	1.48	6	ARNETT	2.29	FARGO
2	99	26	CHEROKEE	44	14	FT SUPPLY	2.11	6	FREEDOM	4.49	FREEDOM
	99	12	WAYNOKA								
	99	13	WAYNOKA								
	99	14	WAYNOKA								
3	92	11	BARTLESVILLE	47	1	BARTLESVILLE	3.50	14	LENAPAH	7.51	HOLLOW
	92	12	BARTLESVILLE								
	92	13	BARTLESVILLE								
	92	27	BARTLESVILLE								
	92	12	BIXBY								
4	101	30	ERICK	47	16	ELK CITY	1.39	21	OKEENE	2.69	REYDON
5	98	5	KINGFISHER	48	1	MEEKER	3.85	28	STELLA	7.50	STELLA
6	96	27	HOLDENVILLE	41	1	EUFULA	3.69	29	ASHLAND	7.41	EUFULA
7	104	3	HOLLIS	50	22	ANADARKO	1.20	13	LAWTON	1.44	ROOSEVELT
	104	12	HOLLIS				1.20	13	ROOSEVELT		
	104	29	HOLLIS								
8	98	12	WAURIKA	52	1	ADA	4.00	28	CANEY	5.71	CANEY
	98	13	WAURIKA	52	1	PAULS VALLEY					
9	95	27	WILBURTON	49	23	SMITHVILLE	2.40	30	TUSKAHOMA	5.22	IDABEL

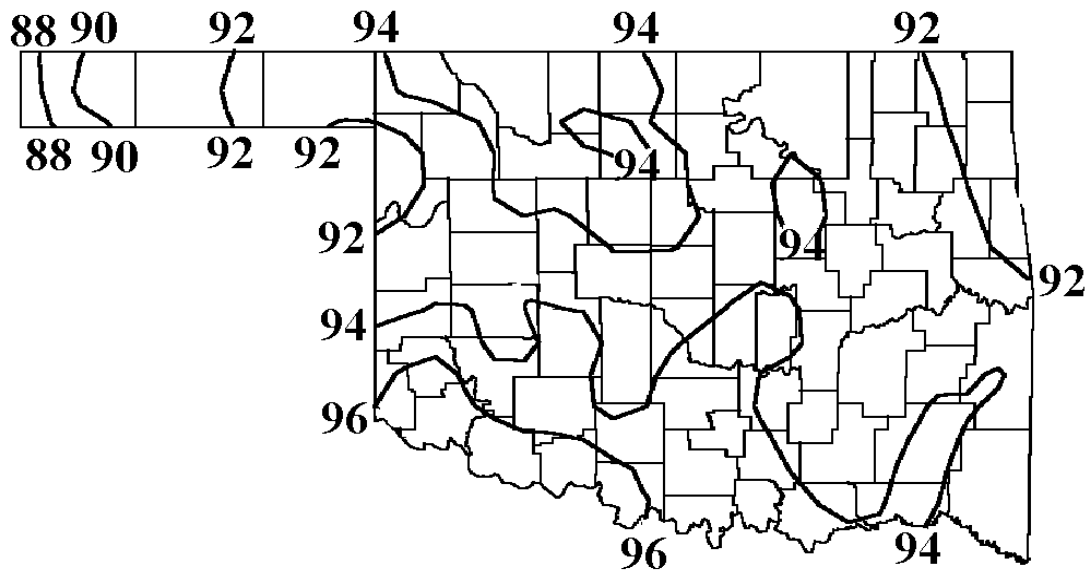
### TABLE OF 2000/2001 COMPARISONS

Station	JUNE Temperature (°F)		JUNE Precipitation (in.)	
	2000	2001	2000	2001
Arnett	70.1	74.3	6.15	2.11
Enid	74.4	78.4	4.32	1.65
Tulsa	74.3	78.1	4.93	3.04
Elk City	71.9	76.8	11.42	0.76
Oklahoma City	74.6	76.3	6.71	0.55
McAlester	74.7	76.6	7.35	3.83
Altus Irr Station	76.1	80.9	3.23	0.35
Ardmore	77.6	79.9	5.62	2.53
Idabel	76.1	77.4	6.56	5.22

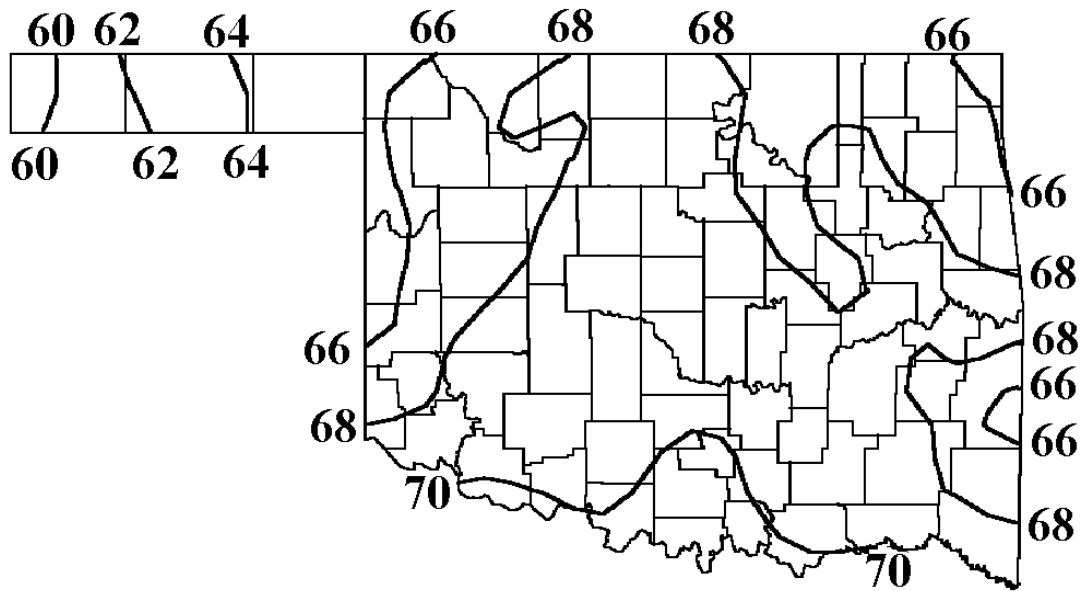
### JUNE 2001 STATEWIDE EXTREMES

VARIABLE	STATION	DIVISION	OBSERVATION	DATE
Minimum temperature (°F)	Kenton	1	40	15
Maximum temperature (°F)	Goodwell	1	108	13
Maximum 24-hour Precipitation	Caney	8	4.00"	28

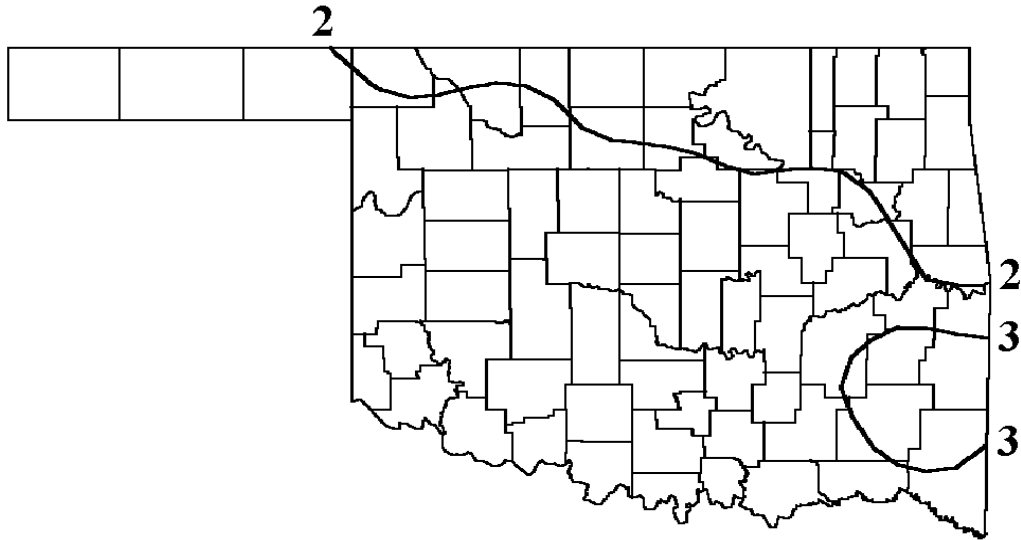
**AUGUST NORMAL DAILY MAXIMUM TEMPERATURE (°F)**



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



## AUGUST NORMAL MONTHLY PRECIPITATION (INCHES)



## AUGUST TORNADO STATISTICS

The most tornadoes reported in **AUGUST** for Oklahoma was (13) in 1979.

The average number of tornadoes in **AUGUST** for Oklahoma is (1.6).

## OUTLOOK FOR AUGUST 2001 THROUGH OCTOBER 2001

BASED ON SEASONAL OUTLOOK PROVIDED BY THE CLIMATE PREDICTION CENTER

**Temperature:** Above normal temperature in western part of state  
Near normal temperature elsewhere

**Precipitation:** Near normal precipitation statewide

# OKLAHOMA CITY CLIMATE CALENDAR

## AUGUST

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	2001	Record High	Year	Lowest Max	Year	Ave. Low	2001	Highest Min.	Year	Record Low	Year	Avg. Precip.	2001	Greatest Precip.	Year
1	83	95		108	1980	72	1950	71		83	1934	58	1971	0.07		2.38	1995
2	83	94		110	1980	80	1898	71		81	1932	57	1971	0.07		1.41	1894
3	83	94		106	1930	72	1907	71		80	1944	59	1973	0.07		1.82	1990
4	83	94		105	1918	75	1978	71		82	1980	58	1973	0.07		1.32	1985
5	83	94		106	1964	76	1920	71		80	1923	55	1894	0.07		1.24	1999
6	83	94		107	1951	76	1971	71		80	1980	56	1894	0.07		1.38	1965
7	82	94		107	1946	69	1997	71		82	1951	57	1993	0.07		2.15	1939
8	82	94		106	1970	75	1997	71		82	1951	54	1989	0.07		2.60	1912
9	82	94		109	1936	75	1927	71		80	1970	58	1908	0.07		1.83	1915
10	82	94		112	1936	71	1989	71		81	1937	62	1917	0.07		1.18	1977
11	82	94		113	1936	73	1968	71		82	1936	58	1931	0.08		2.86	1892
12	82	94		110	1936	72	1920	70		83	1936	56	1967	0.08		1.85	1901
13	82	93		107	1936	73	1989	70		83	1936	54	1967	0.08		1.67	1989
14	82	93		106	1956	68	1989	70		79	1943	60	1967	0.08		1.93	1989
15	82	93		107	1956	77	1942	70		81	1954	59	1992	0.08		2.69	1945
16	81	93		107	1956	79	1964	70		81	1934	53	1994	0.08		1.32	1981
17	81	93		108	1909	76	1932	70		82	1934	59	1994	0.08		0.93	1932
18	81	93		104	1918	68	1992	70		81	1934	57	1943	0.08		2.87	1966
19	81	92		106	1934	72	1915	69		80	1954	56	1932	0.09		0.87	1977
20	81	92		105	1911	65	1950	69		81	1934	56	1950	0.09		1.83	1983
21	81	92		105	1911	74	1920	69		81	1934	51	1956	0.09		1.20	1979
22	80	92		104	1922	72	1920	69		80	1922	56	1956	0.09		3.17	1934
23	80	91		105	1980	70	1966	69		80	1988	49	1891	0.09		2.27	1924
24	80	91		107	1922	73	1966	69		78	1936	50	1891	0.09		1.11	1918
25	80	91		102	1988	72	1934	68		78	1936	58	1966	0.10		1.81	1934
26	79	91		105	1999	68	1992	68		78	1936	53	1910	0.10		1.16	1896
27	79	90		104	1982	69	1987	68		78	1963	52	1906	0.10		1.53	1941
28	79	90		103	1984	68	1988	68		80	1951	56	1906	0.10		1.44	1900
29	79	90		106	1984	70	1968	67		79	1951	50	1893	0.10		2.33	1935
30	78	89		105	1947	70	1915	67		78	1947	49	1915	0.11		1.32	1928
	78	89		104	1990	67	1993	67		79	1980	51	1915	0.11		2.35	1966
<b>MONTH</b>	<b>81.1</b>	<b>92.5</b>		<b>113</b>	<b>1936</b>	<b>65</b>	<b>1950</b>	<b>69.6</b>		<b>83</b>	<b>1936</b>	<b>49</b>	<b>1915</b>	<b>0.10</b>		<b>3.17</b>	<b>1934</b>

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

**TULSA CLIMATE CALENDAR**

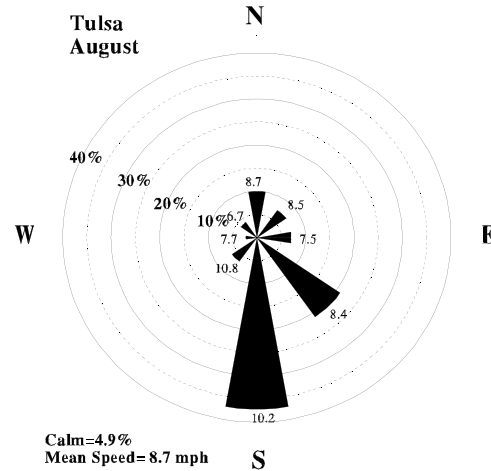
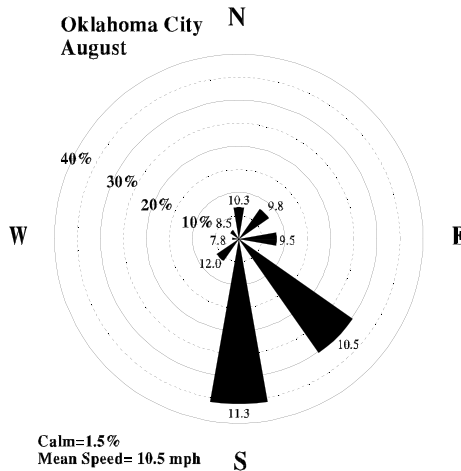
**AUGUST**

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	84	95		110	1923	76	1950	73		86	1980	59	1925	0.09		1.62	1915
2	84	95		108	1980	82	1976	73		84	1980	57	1971	0.09		1.55	1917
3	84	95		110	1923	80	1927	73		81	1987	57	1976	0.09		1.82	1911
4	83	94		111	1923	72	1978	72		84	1980	52	1920	0.08		2.25	1928
5	83	94		110	1964	72	1993	72		82	1980	57	1920	0.09		1.64	1906
6	83	94		109	1956	70	1948	72		82	1980	60	1997	0.09		1.82	1944
7	83	94		109	1935	78	1989	72		83	2000	58	1993	0.09		2.25	1905
8	83	94		111	1935	72	1997	72		84	1936	57	1989	0.09		2.43	1973
9	83	94		114	1936	75	1917	72		82	1936	59	1989	0.09		2.65	1974
10	83	94		115	1936	77	1996	72		83	1934	55	1920	0.09		2.19	1979
11	83	94		114	1936	74	1968	72		81	1936	58	1931	0.09		2.00	1902
12	82	94		113	1936	75	1920	71		83	1936	52	1967	0.09		1.35	1941
13	82	93		114	1936	74	1961	71		84	1980	54	1967	0.09		1.37	1949
14	82	93		110	1923	70	1961	71		83	1980	53	1920	0.09		3.39	1942
15	82	93		109	1936	72	1961	71		84	1909	53	1994	0.09		2.19	1969
16	82	93		109	1956	77	1964	71		86	1909	57	1992	0.09		5.12	1938
17	82	93		109	1909	74	1957	71		84	1956	53	1920	0.10		2.04	1938
18	81	93		109	1918	76	1992	70		84	1934	54	1943	0.10		1.82	1928
19	81	92		108	1934	74	1915	70		82	1936	56	1932	0.10		1.60	1915
20	81	92		106	1935	66	1950	70		82	1936	53	1967	0.10		5.37	1989
21	81	92		106	1936	75	1907	70		80	1987	54	1950	0.10		3.21	1937
22	81	92		106	1936	72	1961	70		80	1936	50	1920	0.11		1.14	1971
23	80	91		108	1936	68	1966	70		79	2000	51	1920	0.11		1.32	1930
24	80	91		107	1936	69	1911	69		80	1983	53	1920	0.11		2.23	1911
25	80	91		105	1978	73	1942	69		80	1998	57	1966	0.11		2.05	1946
26	80	90		109	1999	74	1946	69		81	1978	52	1910	0.12		1.91	1987
27	79	90		105	2000	70	1987	69		81	2000	50	1910	0.12		1.42	1927
28	79	90		104	1963	67	1917	68		80	2000	53	1967	0.12		3.74	1927
29	79	89		107	1984	70	1974	68		79	1984	51	1931	0.13		2.36	1955
30	79	89		107	1947	72	1968	68		79	1983	50	1915	0.13		0.95	1928
31	78	89		106	1951	72	1993	68		84	1980	48	1915	0.13		1.86	1962
<b>MONTH</b>	<b>81.5</b>	<b>92.5</b>		<b>115</b>	<b>1936</b>	<b>66</b>	<b>1950</b>	<b>70.6</b>		<b>86</b>	<b>1980</b>	<b>48</b>	<b>1915</b>	<b>0.10</b>		<b>5.37</b>	<b>1989</b>

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

## AUGUST WIND ROSES



**August 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.

## AUGUST SUNRISE/SUNSET TIMES FOR 2001

### OKLAHOMA CITY

DATE	SUNRISE	SUNSET
8/1/01	5:39 AM	7:34 PM
8/2/01	5:39 AM	7:33 PM
8/3/01	5:40 AM	7:32 PM
8/4/01	5:41 AM	7:31 PM
8/5/01	5:42 AM	7:30 PM
8/6/01	5:43 AM	7:29 PM
8/7/01	5:43 AM	7:28 PM
8/8/01	5:44 AM	7:27 PM
8/9/01	5:45 AM	7:26 PM
8/10/01	5:46 AM	7:25 PM
8/11/01	5:46 AM	7:24 PM
8/12/01	5:47 AM	7:22 PM
8/13/01	5:48 AM	7:21 PM
8/14/01	5:49 AM	7:20 PM
8/15/01	5:50 AM	7:19 PM
8/16/01	5:50 AM	7:18 PM
8/17/01	5:51 AM	7:17 PM
8/18/01	5:52 AM	7:15 PM
8/19/01	5:53 AM	7:14 PM
8/20/01	5:53 AM	7:13 PM
8/21/01	5:54 AM	7:12 PM
8/22/01	5:55 AM	7:10 PM
8/23/01	5:56 AM	7:09 PM
8/24/01	5:56 AM	7:08 PM
8/25/01	5:57 AM	7:06 PM
8/26/01	5:58 AM	7:05 PM
8/27/01	5:59 AM	7:04 PM
8/28/01	6:00 AM	7:02 PM
8/29/01	6:00 AM	7:01 PM
8/30/01	6:01 AM	7:00 PM
8/31/01	6:02 AM	6:58 PM

### TULSA

DATE	SUNRISE	SUNSET
8/1/01	5:31 AM	7:29 PM
8/2/01	5:32 AM	7:28 PM
8/3/01	5:33 AM	7:27 PM
8/4/01	5:33 AM	7:26 PM
8/5/01	5:34 AM	7:25 PM
8/6/01	5:35 AM	7:24 PM
8/7/01	5:36 AM	7:23 PM
8/8/01	5:37 AM	7:22 PM
8/9/01	5:37 AM	7:21 PM
8/10/01	5:38 AM	7:19 PM
8/11/01	5:39 AM	7:18 PM
8/12/01	5:40 AM	7:17 PM
8/13/01	5:41 AM	7:16 PM
8/14/01	5:41 AM	7:15 PM
8/15/01	5:42 AM	7:14 PM
8/16/01	5:43 AM	7:12 PM
8/17/01	5:44 AM	7:11 PM
8/18/01	5:45 AM	7:10 PM
8/19/01	5:45 AM	7:09 PM
8/20/01	5:46 AM	7:07 PM
8/21/01	5:47 AM	7:06 PM
8/22/01	5:48 AM	7:05 PM
8/23/01	5:49 AM	7:04 PM
8/24/01	5:49 AM	7:02 PM
8/25/01	5:50 AM	7:01 PM
8/26/01	5:51 AM	6:59 PM
8/27/01	5:52 AM	6:58 PM
8/28/01	5:52 AM	6:57 PM
8/29/01	5:53 AM	6:55 PM
8/30/01	5:54 AM	6:54 PM
8/31/01	5:55 AM	6:53 PM

ADD ONE HOUR FOR CENTRAL DAYLIGHT TIME

## CONTACT INFORMATION

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### **Oklahoma Climatological Survey**

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