

# OKLAHOMA MONTHLY CLIMATE SUMMARY FEBRUARY 2002

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**Oklahoma Climatological Survey**

## MONTHLY SUMMARY FOR FEBRUARY 2002

### **February 2002**

*Statewide average temperature = 40.7° F*  
*Statewide average rainfall = 1.08 inches*

The statewide-averaged climate statistics for February 2002 were not dramatically removed from the historical norm. However, the evolution and distribution of weather events during the month generally did not help – and in many areas worsened – drought conditions dating from early summer 2001 in western and north-central Oklahoma.

The statewide-averaged precipitation of 1.08 inches, concentrated mostly in the southeast quarter of the state, was 0.69 inches less than normal. Regionally, average monthly rainfall ranged from 0.37 inches in the panhandle climate division to 2.70 inches in the southeast climate division. Statewide, this was the 40<sup>th</sup>-driest February since record keeping began in 1892. The somewhat dry February counterbalanced a wetter-than-normal January 2002 to place the year-to-date precipitation at 0.08 inches above the normal established during the 1971-2000 period. The statewide-averaged total of 3.30 inches ranks this as the 42<sup>nd</sup>-wettest January-February since 1892. In the nine months beginning June 2001, the statewide precipitation of 18.55 inches ranks as the 20<sup>th</sup> least of 110 such periods on record.

### **February Normals**

*Statewide average temperature = 42.3° F*  
*Statewide average rainfall = 1.77 inches*

The statewide-averaged temperature of 40.7 degrees was 1.6 degrees below normal, thanks largely to frigid conditions in the first and last days of the month. Temperature departures relative to normal were more substantial in southern Oklahoma than in the north. Regional temperature departures ranged from 0.5 degrees below normal in the panhandle climate division to 5.3 degrees below normal in the south-central climate division. The year-to-date average temperature of 40.3 degrees is 0.8 degrees above normal, and ranks 2002 near the middle of the historical pack as the 50<sup>th</sup> warmest January-February since 1892.

February also marks the last of the three months of the climatological winter season. Averaged across the state, December 2001 and January 2002 were both warmer and wetter than normal. When these months are combined with a relatively cool and dry February 2002, the resulting seasonal values are 41.1 degrees (1.5 degrees above normal) and 5.37 inches (0.15 inches above normal). The precipitation places this season in the upper half historically, at 42<sup>nd</sup> wettest of 110. The winter 2001-02 temperature edges the season into the warm third at 33<sup>rd</sup> warmest of 110.

The month brought little or no relief for the ongoing drought in western Oklahoma. For the nine-month period June 2001 through February 2002, much of western and northern Oklahoma observed precipitation amounting to about half of established normals. The period ranks among the ten driest for the panhandle, north-central, west central and southwest climate divisions. February rainfall totals of about 60% of normal across these regions do little to alleviate drought conditions, especially when considering that February is historically the second-driest month on the calendar for Oklahoma. Cooperative observers at Boise City (Cimarron County), Buffalo (Harper), Guymon (Texas) and

**(Continued on page 3.)**

Regnier (Cimarron) observed no measurable precipitation during the entire month. Five additional panhandle stations reported monthly precipitation of less than one-quarter inch.

As the month began, Oklahoma was still reeling from the catastrophic winter storm of late January. Much of central, western and northwestern Oklahoma was still glazed with one to two inches of ice (locally greater) and many residents were still awaiting the restoration of electrical service. In eastern Oklahoma, the Poteau River in LeFlore County was cresting from rainfall deposited by the same system. Minimum temperatures during the first days of the month were intensified by the presence of ice (or snow, in some places) on the ground. In some places, the precipitation did not completely melt until the evening of the 3<sup>rd</sup>. The intensified cold was particularly notable on the 1<sup>st</sup>, when several panhandle stations observed low temperatures in the single digits, paced by the Beaver Mesonet station (Beaver County) at 2 degrees. Beaver County cooperative stations Beaver and Turpin observed minima of 3 and 4 degrees, respectively.

An arctic cold front traversed the state on the 5<sup>th</sup> and 6<sup>th</sup>, bringing precipitation to most of the state east of the panhandle. The precipitation came in the form of a winter mix, ranging from predominantly snow in the northwest to exclusively rainfall in the far southeast. Snowfall accumulations of up to six inches were reported in northwestern Oklahoma. Rainfall and/or liquid equivalent snowfall totals were generally less than an inch for the system. For much of drought-stricken western Oklahoma, this was the last significant precipitation event of the month.

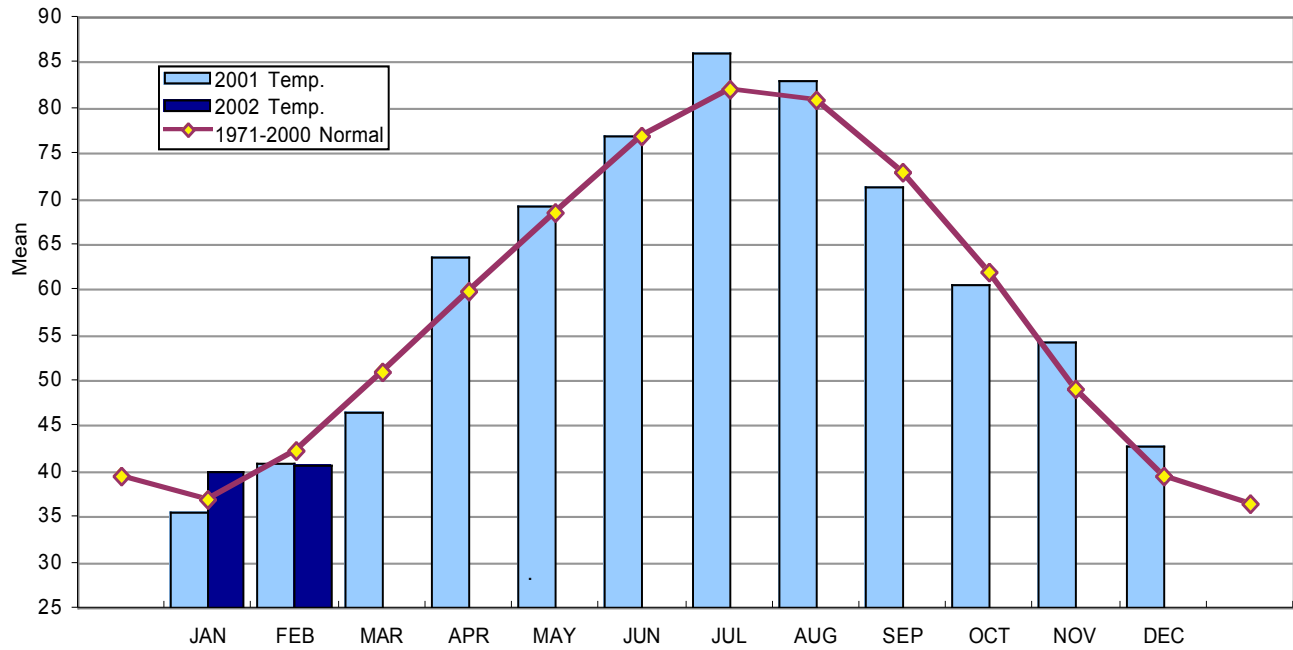
A fast-moving squall line associated with a strong arctic cold front crossed the state from west to east on the evening of the 18<sup>th</sup> into the morning of the 19<sup>th</sup>. Several severe thunderstorms spawned high winds and nickel-sized hail in south-central and eastern Oklahoma. Precipitation amounts in western Oklahoma were generally a tenth of an inch or less, but some locations in Woods County recorded up to a half-inch of rain. Many stations in eastern Oklahoma benefited from rainfall amounts in excess of one inch. The greatest rainfall totals were 1.76 inches at Wilburton Mesonet (Latimer), 1.60 inches at Coleman (Johnston), 1.52 inches at Wilburton (Latimer) and 1.50 inches at Antlers Mesonet (Pushmataha). This was the last precipitation of any significance in the state during February.

As is common in February, several cold fronts scoured the state with little associated precipitation, notably on the 8<sup>th</sup> and 9<sup>th</sup> and on the 25<sup>th</sup>. Strong winds and warm air in advance of the month's fronts combined with the lack of substantial rainfall to exacerbate an already-precarious fire danger situation across the western half of the state. By mid-month, a Red Flag Fire Alert was expanded from two counties, both in the panhandle, to eighteen counties, and then to the northwestern three-quarters of the state. After the precipitation events of the 19<sup>th</sup>, this area was relaxed to about the northwestern one-fourth of Oklahoma. Texas County remained under a gubernatorial ban on outdoor burning throughout the month.

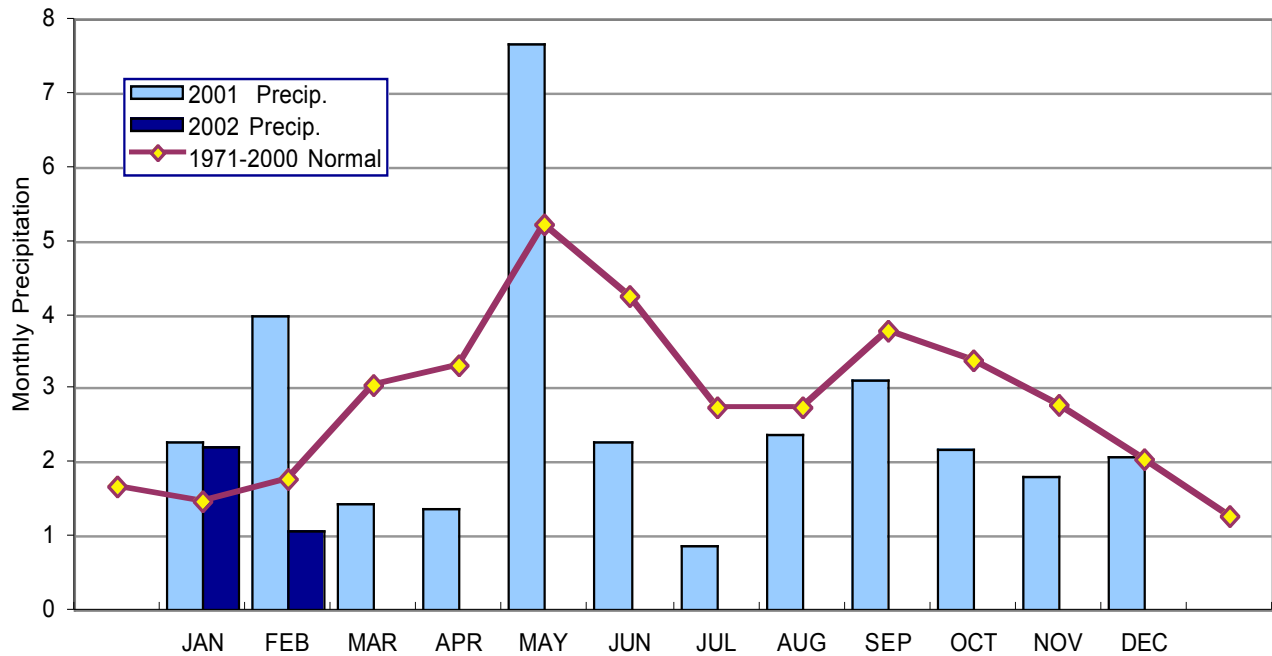
The state's highest and lowest temperatures of the month were recorded within 48 hours of each other. On the 24<sup>th</sup>, one day before a strong arctic front ushered in the coldest air of the month, a maximum temperature of 83 degrees was observed at Hollis (Harmon). The cold air in the front's wake remained entrenched through the rest of the month, with lows in the single digits commonplace across the northwestern half of the state. Minimum temperatures across much of western Oklahoma bottomed out on the 26<sup>th</sup>. On that morning, The Boise City Mesonet station (Cimarron) recorded a low temperature of 0 degrees.

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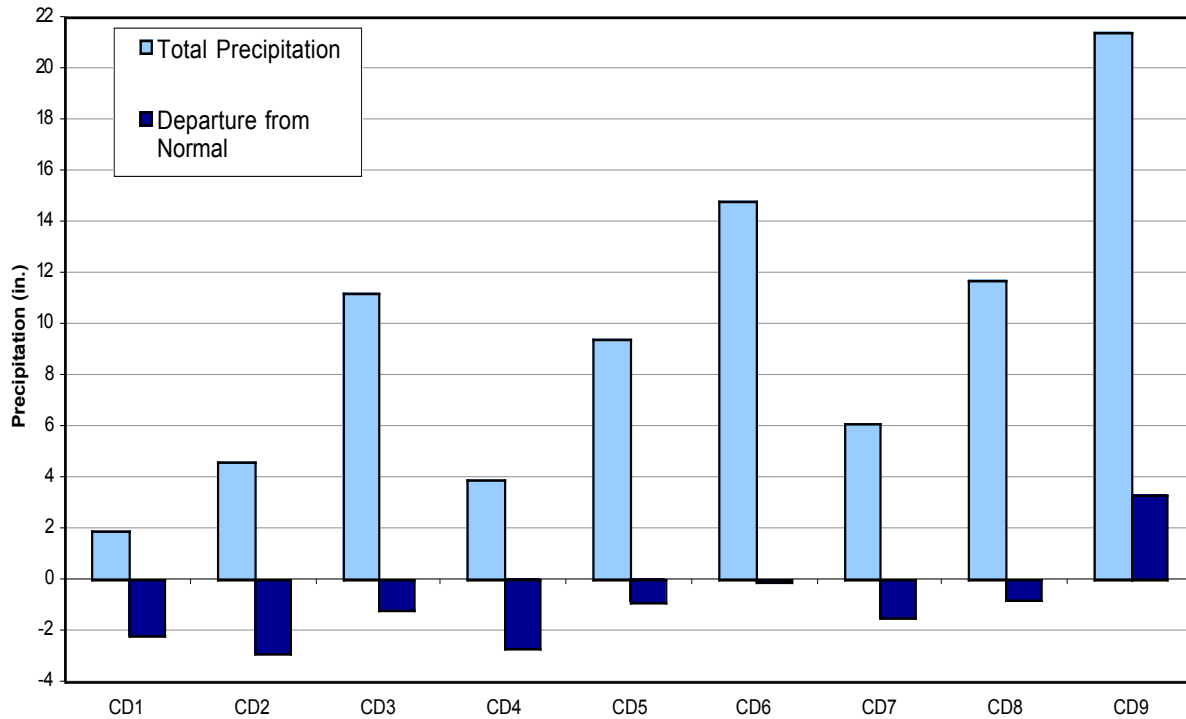
## 2001 AND 2002 STATEWIDE TEMPERATURES - MONTHLY AVERAGES



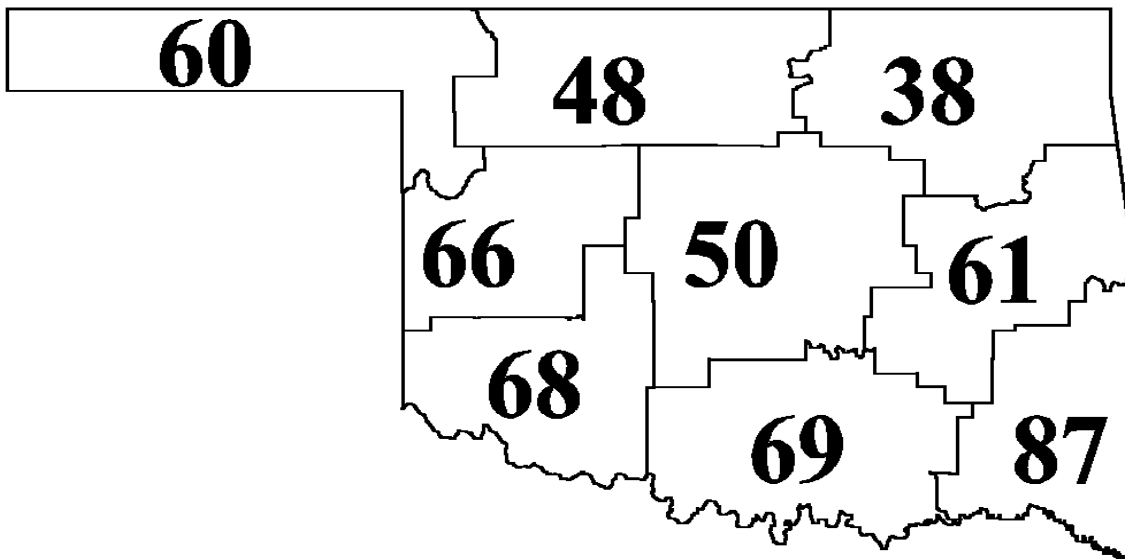
## 2001 AND 2002 STATEWIDE PRECIPITATION - MONTHLY TOTALS



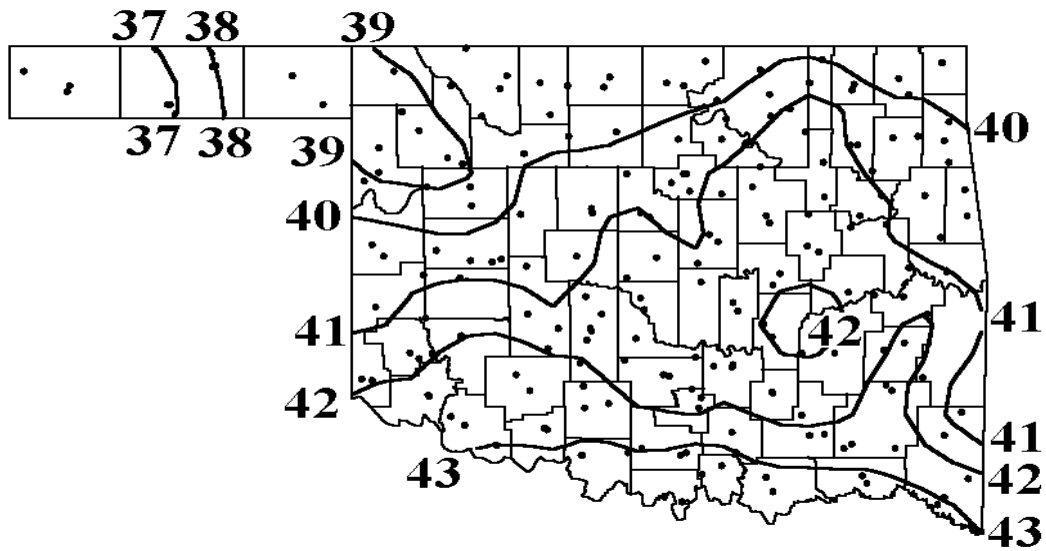
CLIMATE DIVISION AVERAGED PRECIPITATION - OCTOBER 2001 THROUGH FEBRUARY 2002



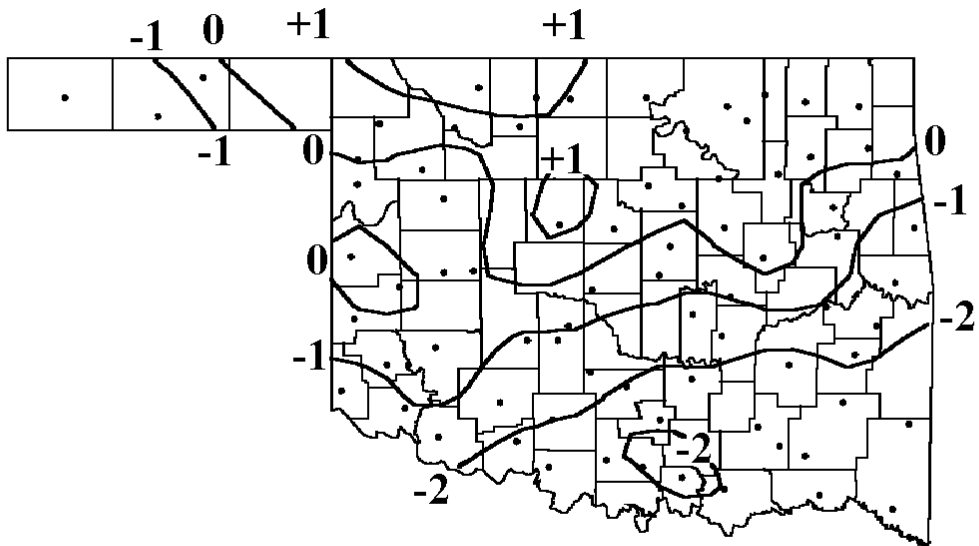
CLIMATE DIVISION PERCENT OF NORMAL PRECIPITATION - FEBRUARY 2002



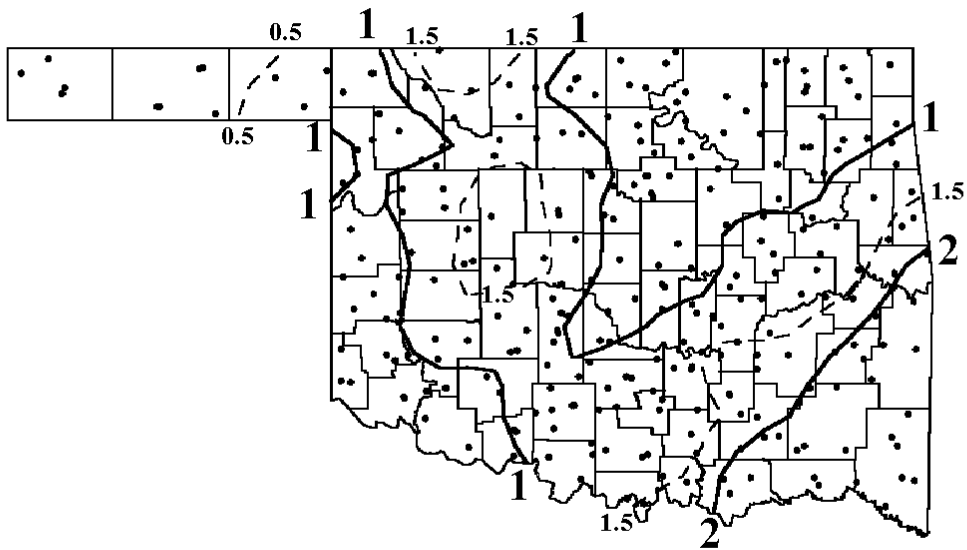
FEBRUARY 2002 AVERAGE MONTHLY TEMPERATURE (°F)



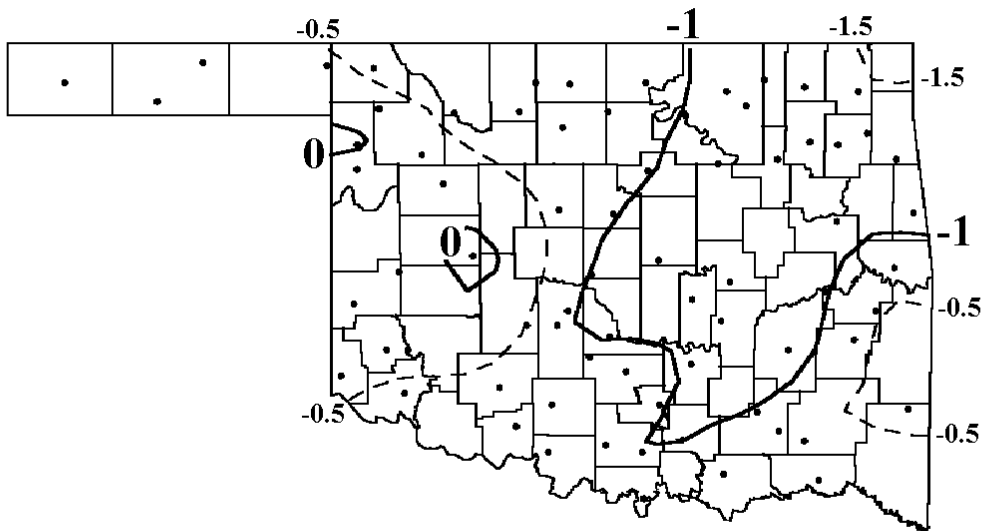
FEBRUARY 2002 DEPARTURE FROM NORMAL TEMPERATURE (°F)



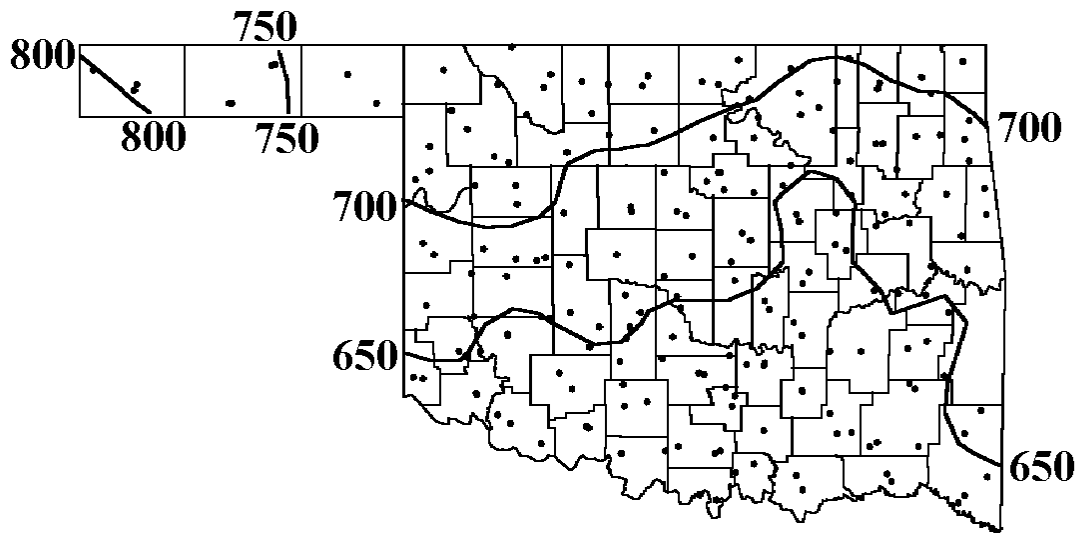
## FEBRUARY 2002 PRECIPITATION (INCHES)



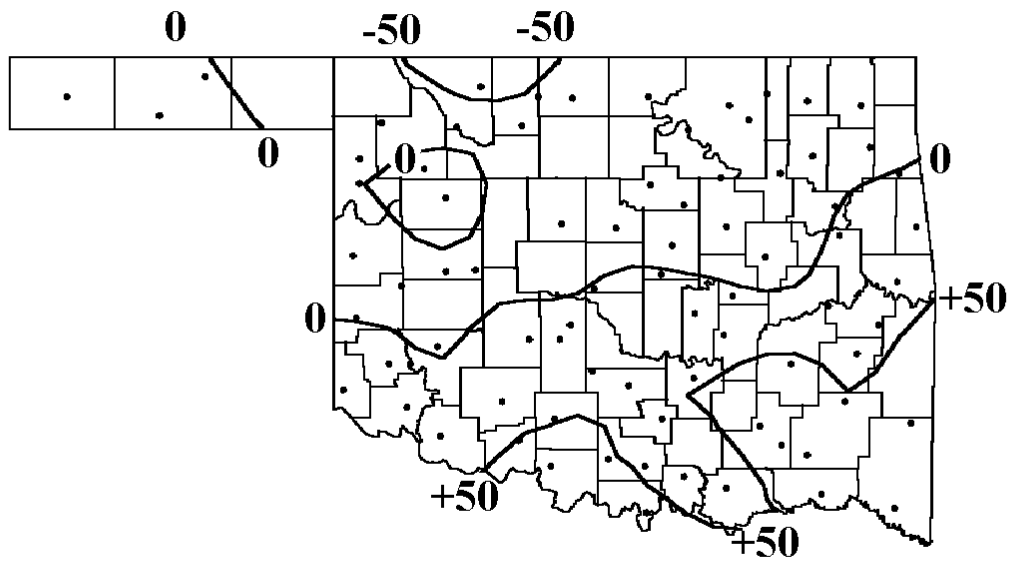
## FEBRUARY 2002 DEPARTURE FROM NORMAL PRECIPITATION (INCHES)



FEBRUARY 2002 ACCUMULATED HEATING DEGREE DAYS (°F)



FEBRUARY 2002 DEPARTURE FROM NORMAL HEATING DEGREE DAYS (°F)





## FEBRUARY 2002 SUMMARY FOR PANHANDLE CLIMATE DIVISION (CD1)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ARNETT	332	1	37.6	28	-0.1	78	24	6	27	768	3	0	0	0.721	28	-0.23	0.35	6
BEAVER	593	1	35.7	26	*****	77	24	3	1	761	*****	0	*****	0.181	26	*****	0.13	6
BOISE CITY	908	1	37.2	28	-1.5	78	23	3	26	780	42	0	0	0.004	28	-0.43	0.00	25
BUFFALO	1243	1	46.9	21	*****	81	24	16	27	381	*****	0	*****	0.000	28	-0.96	0.00	28
FARGO	3070	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.601	28	*****	0.29	5
GAGE	3407	1	38.3	28	-0.2	80	23	3	27	748	5	0	0	1.244	28	0.51	0.49	5
GATE	3489	1	37.6	25	*****	78	24	10	27	686	*****	0	*****	0.430	28	-0.33	0.22	6
GOODWELL	3628	1	35.6	27	-2.6	77	24	6	26	793	41	0	0	0.061	28	-0.30	0.06	6
GUYMON	3835	1	37.7	24	*****	77	24	6	27	655	*****	0	*****	0.000	24	*****	0.00	28
HOOVER	4298	1	39.4	28	-0.1	77	23	8	26	716	1	0	0	0.280	28	-0.21	0.18	5
KENTON	4766	1	38.4	24	*****	77	23	4	26	639	*****	0	*****	0.031	27	*****	0.01	25
LAVERNE	5045	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.531	28	*****	0.34	6
RANGE	7412	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.151	28	*****	0.15	6
REGNIER	7534	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.003	28	*****	0.00	25
TURPIN	9017	1	36.6	22	*****	77	25	4	1	625	*****	0	*****	0.200	22	*****	0.20	6

## FEBRUARY 2002 SUMMARY FOR NORTH CENTRAL CLIMATE DIVISION (CD2)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ALVA	193	2	40.1	27	2.4	74	24	10	27	672	-97	0	0	1.050	27	*****	0.53	19
BILLINGS	755	2	42.5	19	*****	75	25	8	27	428	*****	0	*****	0.532	28	-1.01	0.41	6
BLACKWELL 2E	818	2	40.6	23	*****	74	25	9	28	561	*****	0	*****	0.652	23	*****	0.42	6
BRAMAN	1075	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.331	28	*****	0.29	19
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.661	28	*****	0.36	6
CHEROKEE	1724	2	38.3	25	*****	72	25	9	28	669	*****	0	*****	1.004	26	*****	1.00	6
ENID	2912	2	41.0	26	*****	74	25	11	27	625	*****	0	*****	0.682	28	-0.96	0.39	6
FT SUPPLY	3304	2	37.6	28	0.7	80	23	4	26	768	-21	0	0	0.811	28	-0.08	0.43	18
FREEDOM	3358	2	39.0	26	*****	77	23	6	26	676	*****	0	*****	0.590	26	*****	0.50	18
GREAT SALT P	3740	2	40.0	28	1.6	71	25	8	27	701	-51	0	-1	0.590	28	-0.52	0.30	7
HARDY	3909	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.491	28	*****	0.27	6
HELENA	4019	2	38.6	28	0.5	73	24	6	27	739	-16	0	0	0.453	28	-0.84	0.31	6
JEFFERSON	4573	2	38.9	28	0.7	76	25	6	28	730	-22	0	0	0.662	28	-0.68	0.37	6
LAHOMA	4950	2	41.0	25	*****	77	24	6	27	601	*****	0	*****	0.620	25	*****	0.27	5
LAMONT	5013	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.550	28	*****	0.40	6
MEDFORD	5768	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.062	28	*****	0.59	6
MORRISON	6065	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.431	28	*****	0.35	19
MUTUAL	6139	2	37.7	28	-0.2	77	24	7	27	765	5	0	0	0.561	28	-0.42	0.34	6
NEWKIRK	6278	2	39.1	23	*****	73	25	5	28	596	*****	0	*****	0.300	23	*****	0.20	6
ORIENTA	6751	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.551	28	*****	0.40	6
PERRY	7012	2	42.1	25	*****	74	25	13	28	572	*****	0	*****	0.771	25	*****	0.38	19
PONCA CITY	7201	2	39.8	28	0.0	74	24	6	27	707	-12	0	-6	0.842	28	-0.57	0.49	1
RED ROCK	7505	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.280	28	*****	0.17	18
WAYNOKA	9404	2	39.1	28	-0.1	78	23	6	27	727	2	0	0	0.482	28	-0.60	0.25	4
WOODWARD	9760	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.561	28	*****	0.24	6

## FEBRUARY 2002 SUMMARY FOR NORTHEAST CLIMATE DIVISION (CD3)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
BARNSDALL	535	3	41.0	28	0.7	74	24	7	27	672	-22	0	-2	0.910	28	-1.06	0.61	19
BARTLESVILLE	548	3	41.6	28	0.5	75	24	10	27	655	-19	0	-3	0.541	28	-1.39	0.31	6
BURBANK	1256	3	****	0	****	****	0	****	0	*****	*****	*****	*****	0.570	28	*****	0.25	5
CHELSEA	1717	3	****	0	****	****	0	****	0	*****	*****	*****	*****	0.850	28	*****	0.42	20
CLAREMORE	1828	3	39.4	28	0.0	73	25	10	27	717	-2	0	0	0.791	28	-1.38	0.60	19
HOLLOW	4258	3	****	0	****	****	0	****	0	*****	*****	*****	*****	0.471	28	*****	0.28	19
HOMINY	4289	3	****	0	****	****	0	****	0	*****	*****	*****	*****	0.691	28	*****	0.35	6
KANSAS	4672	3	42.6	28	0.5	71	25	8	27	627	-16	0	-2	1.381	28	-1.11	0.88	19
LENAPAH	5118	3	****	0	****	****	0	****	0	*****	*****	*****	*****	0.500	28	*****	0.50	19
MANNFORD	5522	3	41.9	28	-0.4	75	24	6	27	647	4	0	-7	0.570	28	-1.55	0.35	6
MARAMEC	5540	3	****	0	****	****	0	****	0	*****	*****	*****	*****	0.631	28	*****	0.28	7
NOWATA	6485	3	42.7	28	1.4	74	24	16	26	625	-46	0	-5	0.780	28	-1.18	0.43	19
PAWHUSKA	6935	3	41.4	28	0.7	75	24	8	27	660	-25	0	-4	0.743	28	-1.35	0.48	6
PRYOR	7309	3	39.0	24	****	71	24	11	27	625	*****	0	*****	1.560	28	-0.53	0.90	1
RALSTON	7390	3	39.4	28	-0.1	75	24	5	27	716	-4	0	-2	0.770	28	-1.01	0.57	6
SPAVINAW	8380	3	42.9	28	0.2	71	25	11	27	620	-10	0	-4	0.741	28	-1.36	0.42	20
TULSA	8992	3	42.1	28	0.1	75	24	14	27	642	-17	0	-1	0.904	28	-1.05	0.60	19
UPPER SPAV	9101	3	40.1	28	****	73	24	9	27	697	*****	0	*****	1.162	28	*****	0.65	20
VINITA	9203	3	40.7	27	0.4	72	25	8	27	657	-35	0	0	0.460	28	-1.59	0.33	19
WAGONER	9247	3	42.3	27	-0.7	72	24	13	27	614	-10	0	-7	1.040	27	*****	0.82	19
WANN	9298	3	****	0	****	****	0	****	0	*****	*****	*****	*****	0.491	28	*****	0.33	6

## FEBRUARY 2002 SUMMARY FOR WEST CENTRAL CLIMATE DIVISION (CD4)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
CANTON DAM	1445	4	40.4	26	****	77	24	8	27	640	*****	0	*****	0.880	26	*****	0.50	6
CLINTON	1909	4	40.2	27	-0.5	70	24	10	27	669	-13	0	0	1.002	27	*****	0.71	6
CORDELL	2125	4	41.0	26	****	76	25	12	28	625	*****	0	*****	0.752	26	*****	0.35	6
ELK CITY	2849	4	40.5	28	0.7	76	25	11	27	687	-20	0	0	0.730	28	-0.47	0.59	6
ERICK	2944	4	40.3	28	0.1	81	25	9	27	691	-3	0	0	0.520	28	-0.42	0.35	6
GEARY	3497	4	42.1	21	****	71	23	11	26	481	*****	0	*****	0.600	24	*****	0.30	4
HAMMON	3871	4	39.7	25	****	77	25	5	28	633	*****	0	*****	0.590	25	*****	0.29	6
LEEDEY	5090	4	****	0	****	****	0	****	0	*****	*****	*****	*****	0.740	28	*****	0.74	6
MACKIE	5463	4	****	0	****	****	0	****	0	*****	*****	*****	*****	0.460	28	*****	0.46	6
MORAVIA	6035	4	****	0	****	****	0	****	0	*****	*****	*****	*****	0.780	28	*****	0.44	6
OKEENE	6629	4	42.6	24	****	74	24	10	27	539	*****	0	*****	0.670	24	*****	0.32	5
RETROP	7565	4	****	0	****	****	0	****	0	*****	*****	*****	*****	0.610	28	*****	0.42	6
REYDON	7579	4	40.7	27	0.4	76	24	10	27	657	-36	0	0	0.940	27	*****	0.50	5
SAYRE	7952	4	****	0	****	****	0	****	0	*****	*****	*****	*****	0.561	28	*****	0.41	6
SWEETWATER	8652	4	****	0	****	****	0	****	0	*****	*****	*****	*****	0.500	28	*****	0.50	6
TALOGA	8708	4	36.9	28	-1.9	76	24	5	27	788	54	0	0	0.791	28	-0.28	0.50	6
THOMAS	8815	4	****	0	****	****	0	****	0	*****	*****	*****	*****	0.940	28	*****	0.52	6
WATONGA	9364	4	40.9	24	****	74	25	12	28	580	*****	0	*****	1.341	24	*****	0.55	6
WEATHERFORD	9422	4	41.1	28	0.2	77	24	11	27	671	-12	0	-4	1.641	28	0.48	0.81	19

## FEBRUARY 2002 SUMMARY FOR CENTRAL CLIMATE DIVISION (CD5)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
AMBER	200	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.310	28	*****	1.04	6
BLANCHARD	830	5	44.1	28	0.0	78	24	11	27	585	-9	0	-9	0.921	28	-0.85	0.30	6
BRISTOW	1144	5	43.4	27	0.6	75	24	11	27	585	-44	0	-6	0.950	27	*****	0.57	19
CHANDLER	1684	5	40.5	27	-0.6	77	25	8	28	662	-14	0	-5	0.542	27	*****	0.30	6
CHICKASHA EXP	1750	5	42.9	28	-1.4	78	24	9	27	618	30	0	-6	0.640	28	-1.15	0.42	6
COX CITY	2196	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.150	28	*****	0.50	19
CUSHING	2318	5	41.0	27	0.0	75	25	13	27	648	-33	0	-5	0.471	27	*****	0.34	6
EL RENO	2818	5	44.0	17	*****	71	24	8	25	358	*****	0	*****	0.350	18	*****	0.20	19
GUTHRIE	3821	5	40.3	28	0.1	76	25	5	27	693	-5	0	-2	0.801	28	-1.05	0.34	6
HENNESSEY	4055	5	42.3	13	*****	79	25	10	28	295	*****	0	*****	0.800	16	*****	0.31	6
INGALLS	4489	5	****	0	****	****	0	****	0	*****	*****	*****	*****	0.660	28	*****	0.45	6
KINGFISHER	4861	5	41.6	27	2.4	77	25	11	27	633	-92	0	-1	0.910	28	-0.59	0.46	6
KONAWA	4915	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.180	28	*****	0.64	17
MARSHALL	5589	5	****	0	****	****	0	****	0	*****	*****	*****	*****	0.780	28	*****	0.34	7
MEEKER	5779	5	39.8	28	0.1	75	25	7	28	706	-2	0	0	0.660	28	-1.32	0.32	6
MULHALL	6110	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.040	28	*****	0.65	19
NORMAN NWS	6386	5	41.3	28	*****	76	24	9	27	663	*****	0	*****	0.792	28	*****	0.41	5
OKEMAH	6638	5	43.2	28	-2.0	73	24	14	27	611	45	0	-11	0.970	28	-1.13	0.38	19
OKLAHOMA CTY F.	6659	5	****	0	****	****	0	****	0	*****	*****	*****	*****	0.501	28	*****	0.30	5
OKLAHOMA CTY	6661	5	41.1	28	-1.2	76	24	10	27	669	21	0	-1	0.471	28	-1.09	0.29	5
PERKINS	7003	5	****	0	****	****	0	****	0	*****	*****	*****	*****	0.860	28	*****	0.55	6
PIEDMONT	7068	5	****	0	****	****	0	****	0	*****	*****	*****	*****	0.780	28	*****	0.44	6
PRAGUE	7264	5	****	0	****	****	0	****	0	*****	*****	*****	*****	0.930	28	*****	0.53	19
PURCELL	7327	5	40.4	7	*****	76	25	12	27	173	*****	0	*****	0.501	28	-1.74	0.45	18
SEMINOLE	8042	5	41.1	27	-1.9	74	25	12	28	644	24	0	-3	0.802	28	-1.36	0.50	19
SHAWNEE	8110	5	****	0	****	****	0	****	0	*****	*****	*****	*****	0.851	28	*****	0.40	19
STELLA	8479	5	****	0	****	****	0	****	0	*****	*****	*****	*****	0.750	28	*****	0.40	6
STILLWATER	8501	5	40.9	28	0.9	75	25	10	27	676	-29	0	-3	0.832	28	-0.79	0.41	6
TECUMSEH	8751	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.250	28	*****	1.00	4
UNION CITY	9086	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.032	28	*****	0.31	19
WANETTE	9291	5	39.9	28	*****	75	25	9	27	703	*****	0	*****	2.010	28	*****	0.90	16
WEWOKA	9575	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.001	28	*****	0.55	19

## FEBRUARY 2002 SUMMARY FOR EAST CENTRAL CLIMATE DIVISION (CD6)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ASHLAND	364	6	****	0	****	****	0	****	0	*****	*****	*****	*****	1.690	28	*****	0.98	19
BEGGS	631	6	****	0	****	****	0	****	0	*****	*****	*****	*****	1.070	28	*****	0.39	19
CALVIN	1391	6	****	0	****	****	0	****	0	*****	*****	*****	*****	1.400	28	*****	0.80	19
CHECOTAH	1711	6	****	0	****	****	0	****	0	*****	*****	*****	*****	1.120	28	*****	0.68	20
CLAYTON	1858	6	****	0	****	****	0	****	0	*****	*****	*****	*****	2.570	28	*****	1.48	20
DEWAR	2485	6	****	0	****	****	0	****	0	*****	*****	*****	*****	1.030	28	*****	0.63	19
DUSTIN	2690	6	****	0	****	****	0	****	0	*****	*****	*****	*****	0.880	28	*****	0.38	19
HOLDENVILLE	4235	6	41.4	28	-0.8	74	24	10	27	662	14	0	-7	1.270	28	-0.80	0.85	18
LAKE EUFAULA	4975	6	40.9	28	-0.9	73	25	16	27	676	21	0	-3	1.260	28	-1.16	0.49	1
LYONS	5437	6	****	0	****	****	0	****	0	*****	*****	*****	*****	2.070	28	*****	0.78	20
MCALESTER	5664	6	41.7	28	-2.9	72	24	10	27	652	72	0	-6	1.282	28	-1.47	0.74	19
MCCURTAIN	5693	6	43.2	28	-2.2	73	24	14	27	611	51	0	-9	2.502	28	-0.30	1.50	20
MUSKOGEE	6130	6	40.5	28	-1.1	73	24	11	26	686	30	0	-1	0.991	28	-1.21	0.46	18
OKMULGEE	6670	6	43.1	27	1.7	74	24	18	27	590	-74	0	-3	0.900	27	*****	0.48	6
OKTAHA	6678	6	****	0	****	****	0	****	0	*****	*****	*****	*****	1.440	28	*****	0.51	6
SALLISAW	7862	6	41.3	28	-0.9	73	25	15	27	664	25	0	0	2.150	28	-0.53	0.65	19
SCIPIO	7979	6	****	0	****	****	0	****	0	*****	*****	*****	*****	1.520	28	*****	0.61	19
SHORT	8170	6	****	0	****	****	0	****	0	*****	*****	*****	*****	2.260	28	*****	1.08	20
STILWELL	8506	6	39.4	28	-2.4	62	19	11	28	716	65	0	0	1.410	28	-1.35	0.72	20
WEBBERS FALL	9445	6	44.6	13	*****	74	25	12	27	265	*****	0	*****	1.660	16	*****	0.62	21
WETUMKA	9571	6	****	0	****	****	0	****	0	*****	*****	*****	*****	1.092	28	*****	0.52	19

## FEBRUARY 2002 SUMMARY FOR SOUTHWEST CLIMATE DIVISION (CD7)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ALTUS	179	7	42.0	28	-1.0	81	24	10	27	643	26	0	0	0.560	28	-0.63	0.26	5
ALTUS DAM	184	7	42.8	28	0.2	80	25	13	27	623	-10	0	-5	0.840	28	-0.40	0.43	6
ANADARKO	224	7	39.0	28	-1.7	77	25	9	28	728	46	0	0	1.200	28	-0.33	0.47	6
APACHE	260	7	****	0	****	****	0	****	0	*****	*****	*****	*****	1.100	28	*****	0.60	6
CARNEGIE	1504	7	42.7	9	*****	77	24	11	28	201	*****	0	*****	0.081	10	*****	0.08	19
DUNCAN 11 W	2668	7	****	0	****	****	0	****	0	*****	*****	*****	*****	1.410	28	*****	0.70	19
FREDERICK	3353	7	42.6	27	-1.2	81	24	17	27	605	8	0	-5	1.430	27	*****	0.65	4
HEADRICK	3998	7	****	0	****	****	0	****	0	*****	*****	*****	*****	0.710	28	*****	0.45	6
HOBART	4204	7	41.9	27	-0.5	77	24	13	27	624	-14	0	-3	0.583	27	*****	0.38	5
HOLLIS	4249	7	42.2	27	-1.5	83	24	11	27	617	20	0	0	0.680	28	-0.47	0.51	6
LAWTON	5063	7	42.4	28	-1.3	80	25	14	27	632	28	0	-5	0.750	28	-0.69	0.40	6
LOOKEBA	5329	7	****	0	****	****	0	****	0	*****	*****	*****	*****	1.050	28	*****	0.59	6
MANGUM	5509	7	40.7	28	-1.5	81	24	11	27	682	42	0	0	0.820	28	-0.34	0.44	6
RANDLETT	7403	7	****	0	****	****	0	****	0	*****	*****	*****	*****	0.910	28	*****	0.41	6
ROOSEVELT	7727	7	****	0	****	****	0	****	0	*****	*****	*****	*****	0.760	28	*****	0.47	6
SEDAN	8016	7	****	0	****	****	0	****	0	*****	*****	*****	*****	0.900	28	*****	0.48	6
SNYDER	8299	7	****	0	****	****	0	****	0	*****	*****	*****	*****	1.210	28	*****	0.53	6
VINSON	9212	7	****	0	****	****	0	****	0	*****	*****	*****	*****	0.580	28	*****	0.37	6
WALTERS	9278	7	41.2	28	-2.3	79	25	11	27	667	60	0	-2	1.170	28	-0.58	0.55	6
WICHITA MT	9629	7	39.9	23	****	79	25	7	27	578	*****	0	*****	0.970	23	*****	0.75	6

## FEBRUARY 2002 SUMMARY FOR SOUTH CENTRAL CLIMATE DIVISION (CD8)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ADA	17	8	42.1	28	-2.2	73	24	12	27	642	55	0	-6	0.940	28	-1.25	0.56	19
ALLEN	147	8	****	0	****	****	0	****	0	*****	*****	*****	*****	3.100	28	*****	1.40	2
ARDMORE	292	8	44.3	28	-1.1	75	24	16	26	579	21	0	-10	0.750	28	-1.43	0.35	5
ATOKA DAM	394	8	40.6	28	-3.7	73	25	10	28	684	98	0	-5	1.560	28	-0.89	0.70	19
BOKCHITO	917	8	****	0	****	****	0	****	0	*****	*****	*****	*****	3.950	28	*****	2.00	20
CANEY	1437	8	****	0	****	****	0	****	0	*****	*****	*****	*****	1.960	28	*****	1.23	19
CENTRAHOMA	1648	8	41.3	28	*****	73	25	11	28	665	*****	0	*****	1.500	28	*****	0.75	19
CHICKASAW	1745	8	40.9	27	-2.7	75	25	8	27	650	46	0	-4	0.800	28	-1.25	0.50	19
COLEMAN	2011	8	43.2	20	****	68	19	15	10	436	*****	0	*****	1.600	21	*****	1.60	19
COMANCHE	2054	8	****	0	****	****	0	****	0	*****	*****	*****	*****	1.100	28	*****	0.97	19
DAISY	2354	8	****	0	****	****	0	****	0	*****	*****	*****	*****	2.353	28	*****	1.54	20
DUNCAN	2660	8	42.3	28	-1.7	78	25	13	28	637	39	0	-6	1.130	28	-0.73	0.46	5
DURANT	2678	8	42.5	27	-2.2	74	24	12	27	607	29	0	-9	2.151	28	-0.51	1.22	18
ELMORE CITY	2872	8	****	0	****	****	0	****	0	*****	*****	*****	*****	1.250	28	*****	0.85	19
GRADY	3688	8	****	0	****	****	0	****	0	*****	*****	*****	*****	1.110	28	*****	0.45	5
HEALDTON	4001	8	42.4	28	-2.0	77	25	12	27	633	53	0	-3	1.160	28	-0.90	0.42	19
HENNEPIN	4052	8	****	0	****	****	0	****	0	*****	*****	*****	*****	1.100	28	*****	0.72	19
KETCHUM RAN	4780	8	****	0	****	****	0	****	0	*****	*****	*****	*****	1.420	28	*****	0.70	5
KINGSTON	4865	8	****	0	****	****	0	****	0	*****	*****	*****	*****	1.300	28	*****	0.51	19
LEHIGH	5108	8	****	0	****	****	0	****	0	*****	*****	*****	*****	1.353	28	*****	0.60	19
LINDSAY	5216	8	40.3	28	-1.9	78	24	11	26	692	50	0	-3	0.790	28	-0.85	0.37	18
LOCO	5247	8	****	0	****	****	0	****	0	*****	*****	*****	*****	0.880	28	*****	0.31	5
MADILL	5468	8	44.2	27	-0.2	74	25	15	27	563	-20	0	-5	1.261	27	****	0.70	19
MARIETTA 5 SW	5563	8	41.1	28	-4.2	74	25	9	27	670	113	0	-5	2.080	28	-0.06	0.66	20
MARLOW	5581	8	44.2	28	****	79	24	7	27	583	*****	0	*****	1.160	28	*****	0.44	19
MCGEE CREEK	5713	8	42.9	28	-2.0	74	25	14	27	618	51	0	-4	1.441	28	-1.42	0.52	19
PAULS VALLEY	6926	8	40.4	28	-2.2	77	25	10	27	689	60	0	0	2.470	28	0.46	1.50	6
PONTOTOC	7214	8	****	0	****	****	0	****	0	*****	*****	*****	*****	1.341	28	*****	0.60	18
TISHOMINGO	8884	8	****	0	****	****	0	****	0	*****	*****	*****	*****	1.550	28	*****	1.15	9
TUSSY	9032	8	****	0	****	****	0	****	0	*****	*****	*****	*****	0.510	28	*****	0.51	19
WAURIKA	9395	8	44.1	28	-3.3	79	24	13	27	586	82	0	-9	1.060	28	-0.66	0.45	19

## FEBRUARY 2002 SUMMARY FOR SOUTHEAST CLIMATE DIVISION (CD9)

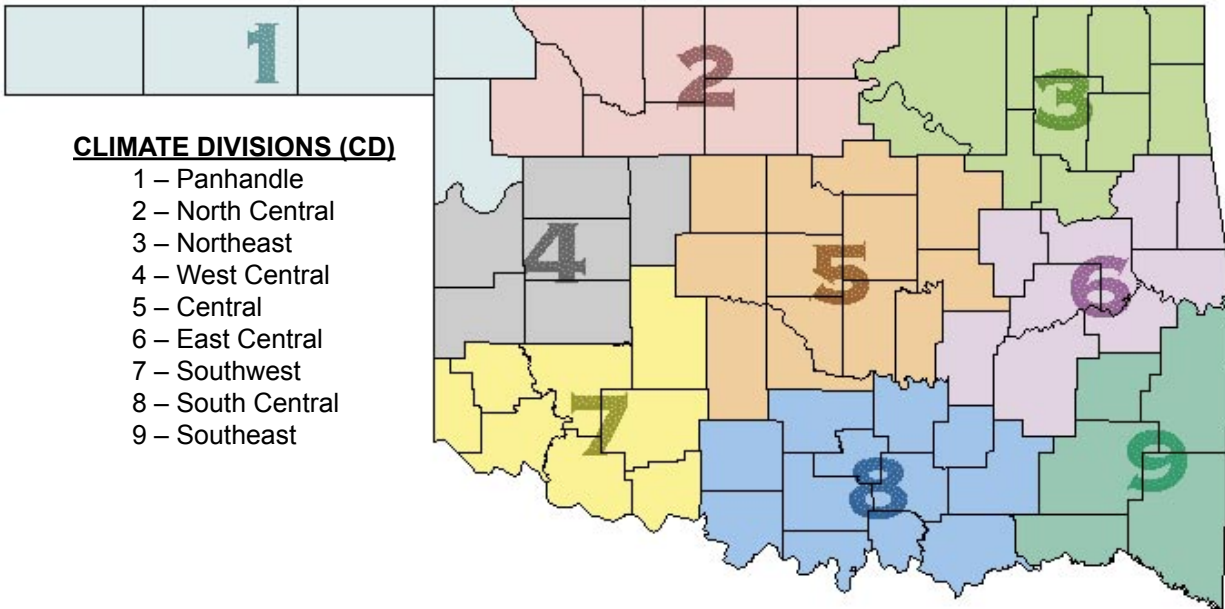
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	41.3	28	-4.2	73	25	13	27	663	111	0	-4	2.670	28	0.14	1.35	19
BATTIEST	567	9	38.4	25	*****	73	25	9	28	666	*****	0	*****	3.972	27	*****	1.89	1
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.630	28	*****	1.05	20
BROKEN BOW	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.910	28	*****	1.68	20
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.780	28	*****	1.30	20
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.450	28	*****	1.40	6
HEAVENER	4008	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.150	28	*****	0.54	19
HUGO	4384	9	43.6	28	-1.5	74	25	15	27	601	41	0	-2	1.880	28	-1.37	1.05	20
IDABEL	4451	9	42.7	28	-3.1	76	24	17	28	625	86	0	0	2.171	27	*****	1.42	20
PAGE	6842	9	40.0	25	*****	72	25	7	27	626	*****	0	*****	1.740	25	*****	1.74	20
SMITHVILLE	8285	9	38.8	28	-2.7	74	25	9	27	734	77	0	0	2.993	28	-0.35	1.53	1
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.900	28	*****	1.26	20
TUSKATOMA	9023	9	43.7	27	-2.0	73	24	11	27	576	31	0	-4	2.950	27	*****	1.10	1
VALLIANT	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.161	28	*****	1.72	20
WILBURTON	9634	9	42.9	28	-1.6	74	24	12	27	619	41	0	-3	2.190	28	-0.59	1.52	19
WISTER	9724	9	43.2	15	*****	72	25	14	28	327	*****	0	*****	2.520	16	*****	1.50	20

## FEBRUARY 2002 CLIMATE DIVISION SUMMARY

NAME	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
CLIMATE DIVISION 1	1	37.6	5	-1.0	81	24	3	27	761	19	0	-1	0.370	11	-0.25	0.49	5
CLIMATE DIVISION 2	2	39.0	8	0.7	80	23	4	26	726	-26	0	-1	0.590	18	-0.65	1.00	6
CLIMATE DIVISION 3	3	41.4	13	0.3	75	24	5	27	657	-16	0	-3	0.780	20	-1.30	0.90	1
CLIMATE DIVISION 4	4	39.9	6	-0.1	81	25	5	27	694	-7	0	-1	0.750	11	-0.39	0.81	19
CLIMATE DIVISION 5	5	41.5	14	-0.1	79	25	5	27	649	-12	0	-4	0.900	27	-0.91	1.04	6
CLIMATE DIVISION 6	6	41.4	8	-1.1	74	25	10	27	657	23	0	-4	1.530	19	-0.97	1.50	20
CLIMATE DIVISION 7	7	41.6	9	-0.9	83	24	7	27	647	13	0	-2	0.920	16	-0.43	0.75	6
CLIMATE DIVISION 8	8	42.2	15	-2.2	79	24	7	27	633	51	0	-5	1.490	29	-0.68	2.00	20
CLIMATE DIVISION 9	9	42.1	6	-2.2	76	24	7	27	636	55	0	-2	2.700	11	-0.41	1.89	1

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

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

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

### Cooling Degree Days Calculation

NumDays

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

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





**EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION  
FEBRUARY 2002**

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	81	24	BUFFALO	3	1	BEAVER	.49	5	GAGE	1.24	GAGE
				3	26	BOISE CITY					
				3	27	GAGE					
2	80	23	FT SUPPLY	4	26	FT SUPPLY	1.00	6	CHEROKEE	1.06	MEDFORD
3	75	24	BARTLESVILLE	5	27	RALSTON	.90	1	PRYOR	1.56	PRYOR
	75	24	MANNFORD								
	75	24	PAWHUSKA								
	75	24	RALSTON								
	75	24	TULSA								
4	81	25	ERICK	5	27	HAMMON	.81	19	WEATHERFORD	1.64	WEATHERFORD
				5	28	HAMMON					
				5	27	TALOGA					
5	79	25	HENNESSEY	5	27	GUTHRIE	1.04	6	AMBER	2.01	WANETTE
6	74	24	HOLDENVILLE	10	27	HOLDENVILLE	1.50	20	MCCURTAIN	2.57	CLAYTON
	74	24	OKMULGEE	10	27	MCALESTER					
	74	25	WEBBERS FALL								
7	83	24	HOLLIS	7	27	WICHITA MT	.75	6	WICHITA MT	1.43	FREDERICK
8	79	24	MARLOW	7	27	MARLOW	2.00	20	BOKCHITO	3.95	BOKCHITO
	79	24	WAURIKA								
9	76	24	IDABEL	7	27	PAGE	1.89	1	BATTIEST	4.16	VALLIANT

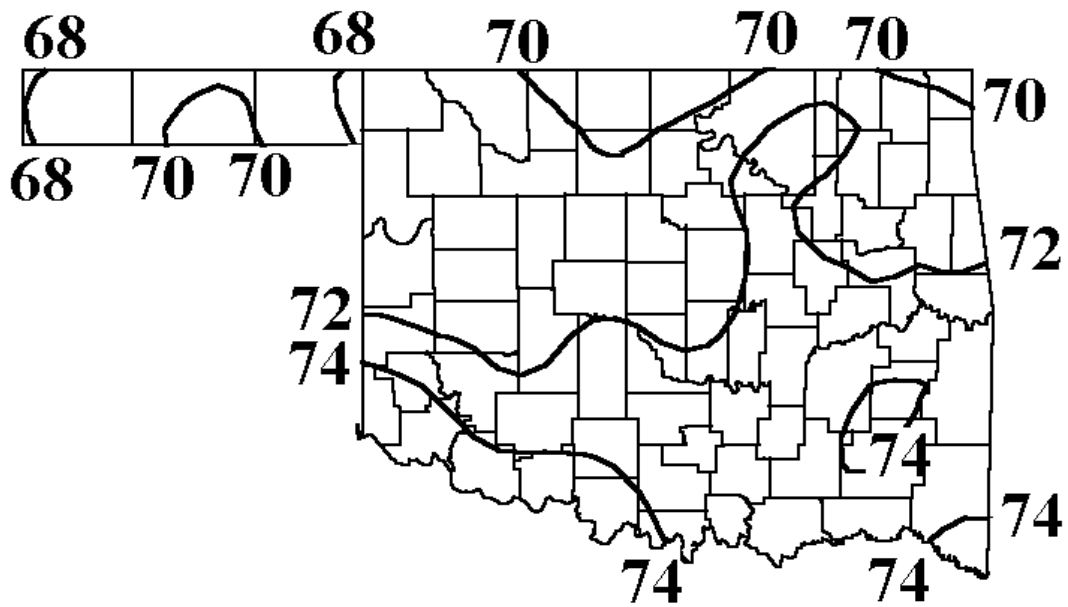
**TABLE OF 2001/2002 COMPARISONS**

Station	FEBRUARY Temperature ( F )		FEBRUARY Precipitation ( in. )	
	2001	2002	2001	2002
Arnett	35.5	37.6	2.17	0.72
Enid	37.7	41.0	2.82	0.68
Tulsa	41.3	42.1	2.62	0.90
Elk City	38.7	40.5	3.29	0.73
Oklahoma City	40.7	41.1	2.26	0.47
McAlester	46.3	41.7	7.29	1.28
Altus Irr Station	41.0	42.0	2.07	0.56
Ardmore	45.9	44.3	5.80	0.75
Idabel	51.2	42.7	9.08	2.17

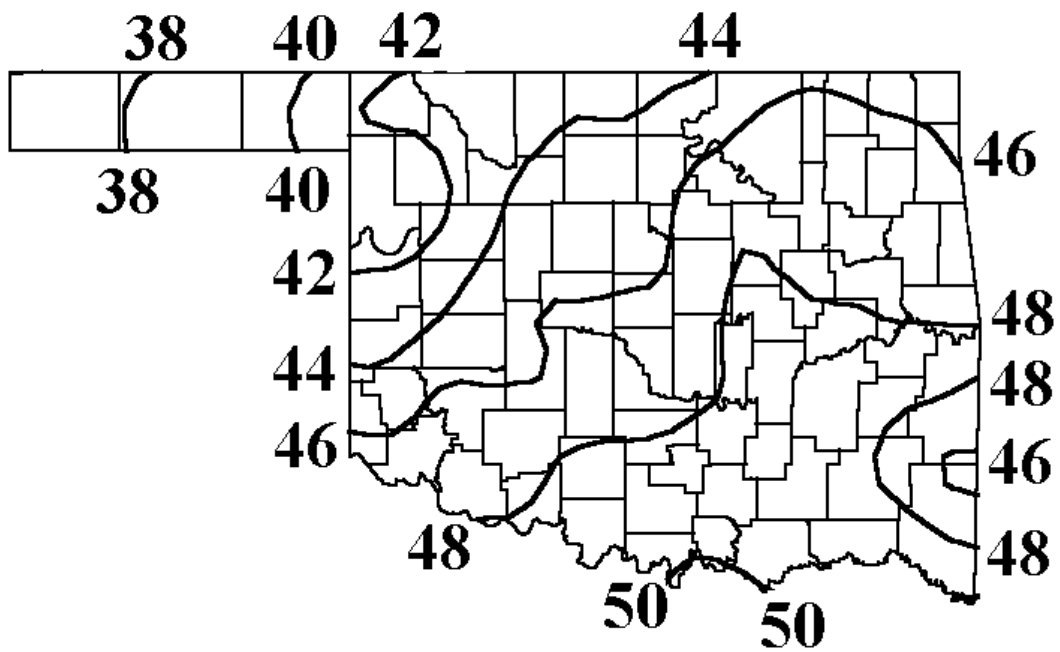
**FEBRUARY 2002 STATEWIDE EXTREMES**

VARIABLE	STATION	DIVISION	OBSERVATION	DATE
Minimum temperature ( F )	Beaver	1	3	1
	Boise City	1	3	26
	Gage	1	3	27
Maximum temperature ( F )	Hollis	7	83	24
Maximum 24-hour Precipitation	Bokchito	8	2.00	20

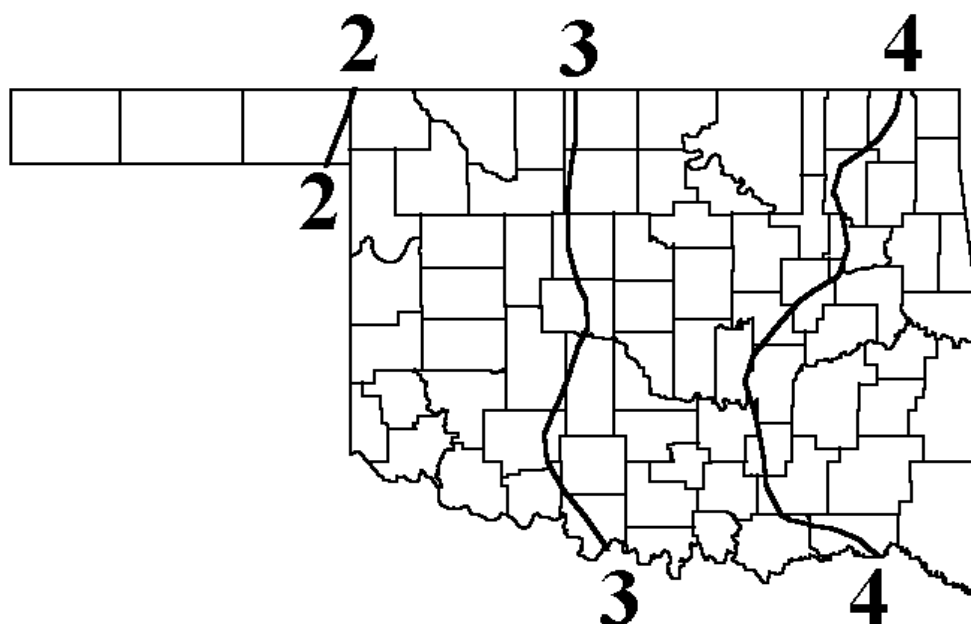
APRIL NORMAL DAILY MAXIMUM TEMPERATURE (°F)



APRIL NORMAL DAILY MINIMUM TEMPERATURE (°F)



## APRIL NORMAL MONTHLY PRECIPITATION (INCHES)



## APRIL TORNADO STATISTICS

The most tornadoes reported in **APRIL** for Oklahoma was **(40)** in **1957**.

The average number of tornadoes in **APRIL** for Oklahoma is **(10.8)**.

## OUTLOOK FOR APRIL 2002 THROUGH JUNE 2002

BASED ON SEASONAL OUTLOOK PROVIDED BY THE CLIMATE PREDICTION CENTER

**Temperature: Near Normal Temperature in Northeast Part of State  
Above Normal Temperature Elsewhere**

**Precipitation: Near Normal Precipitation Statewide**

**OKLAHOMA CITY CLIMATE CALENDAR**

**APRIL**

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	2002	Highest Min.	Record Low	Year	Avg. Precip.	2002	Greatest Precip.	Year
1	56	68	92	45	1946	44		68	26	1946	0.08		2.87	1905
2	56	68	88	43	1918	44		67	20	1946	0.08		0.99	1922
3	57	68	92	43	1893	45		66	21	1934	0.08		1.37	1919
4	57	69	93	38	1893	45		68	22	1929	0.08		2.06	1906
5	57	69	94	43	1893	45		65	26	1978	0.08		3.39	1953
6	58	69	95	41	1893	46		68	26	1967	0.08		1.24	1940
7	58	70	94	38	1893	46		68	27	1893	0.08		1.76	1942
8	58	70	88	36	1905	47		63	28	1999	0.08		2.99	1922
9	59	70	90	44	1930	47		66	25	1927	0.08		2.91	1944
10	59	71	91	45	1934	47		66	28	1965	0.08		1.40	1979
11	59	71	90	47	1972	47		66	29	1972	0.08		1.14	1997
12	59	71	100	35	1972	48		70	23	1972	0.08		3.11	1967
13	60	71	94	43	1972	48		65	20	1941	0.08		3.75	1910
14	60	72	92	46	1936	48		68	27	1972	0.08		1.27	1947
15	60	72	90	51	1940	49		66	30	1982	0.08		1.67	1947
16	61	72	92	49	1940	49		67	31	1996	0.09		1.08	1970
17	61	72	92	47	1987	49		67	30	1963	0.09		1.40	1908
18	61	73	96	47	1925	50		66	30	1964	0.09		2.97	1942
19	62	73	94	50	1987	50		68	33	1948	0.09		2.92	1919
20	62	73	91	43	1961	50		69	33	1965	0.09		2.07	1937
21	62	74	90	45	1965	51		70	34	1961	0.10		1.39	1996
22	62	74	95	45	1955	51		69	34	1961	0.10		1.98	1915
23	63	74	89	52	1989	51		70	33	1989	0.10		0.96	1945
24	63	74	89	52	1901	52		68	35	1989	0.11		1.67	1948
25	63	74	91	51	1939	52		66	35	1893	0.11		3.79	1999
26	63	75	92	50	1896	52		68	35	1975	0.11		2.77	1998
27	64	75	91	57	1959	52		69	35	1970	0.12		1.57	1897
28	64	75	93	50	1902	53		70	37	1970	0.12		1.97	1960
29	64	75	92	50	1936	53		68	34	1933	0.12		2.87	1974
30	64	75	93	48	1948	53		68	32	1936	0.13		2.13	1970
<b>MONTH</b>	<b>60.4</b>	<b>71.9</b>	<b>100</b>	<b>35</b>	<b>1972</b>	<b>48.8</b>		<b>70</b>	<b>20</b>	<b>1989</b>	<b>2.77</b>		<b>3.75</b>	<b>1910</b>

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

**TULSA CLIMATE CALENDAR**

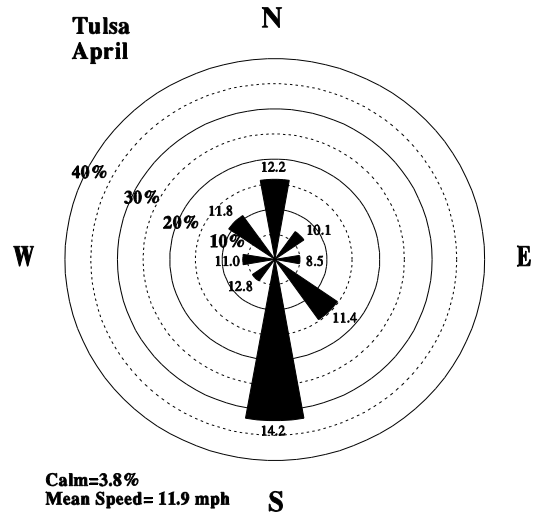
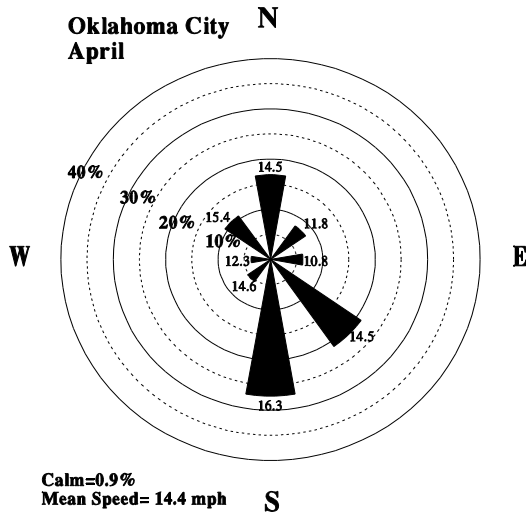
**APRIL**

The data on this calendar are for Tulsa, Oklahoma.  
 Normal values are calculated for the period 1971-2000.  
 Temperature extremes are for the period 1905-2001.  
 Precipitation extremes are for the period 1888-2001.

Day	Avg. Temp.	Ave. High	Record High	Lowest Max	Year	Ave. Low	2002	Highest Min.	Year	Record Low	Year	Avg. Precip.	2002	Greatest Precip.	Year
1	57	69	94	44	1946	45		69	1946	28	1972	0.12		1.60	1888
2	57	69	89	41	1918	45		69	1946	22	1936	0.11		0.89	1916
3	58	69	88	46	1965	46		69	1981	23	1975	0.11		1.25	1978
4	58	70	90	46	1943	46		68	1929	27	1972	0.11		4.40	1964
5	58	70	88	47	2000	46		68	2001	22	1920	0.11		2.54	1933
6	59	70	92	43	1960	47		72	2001	29	1996	0.11		1.40	1940
7	59	71	88	46	1949	47		68	2001	28	1939	0.11		1.47	1975
8	59	71	88	37	1965	48		66	2001	29	1938	0.11		2.33	1913
9	60	71	90	43	1930	48		69	2001	24	1914	0.11		1.78	1925
10	60	72	92	47	1927	48		71	2001	31	1973	0.11		2.72	1908
11	60	72	93	46	1972	49		68	1972	30	1940	0.11		1.73	1901
12	61	72	102	36	1972	49		68	1981	26	1957	0.12		2.88	1945
13	61	73	96	45	1936	49		69	1972	22	1957	0.12		1.69	1945
14	61	73	94	47	1936	50		71	1936	31	1957	0.12		2.55	1929
15	62	73	93	53	1936	50		68	1982	27	1928	0.12		2.51	1941
16	62	73	93	49	1982	50		72	1963	31	1953	0.12		1.38	1968
17	62	74	92	56	1987	51		70	1963	28	1921	0.12		1.75	1953
18	62	74	98	48	1925	51		70	1963	29	1953	0.12		2.61	1941
19	63	74	94	45	1987	51		70	1964	34	1953	0.13		2.52	1917
20	63	74	92	41	1963	51		71	1964	32	1953	0.13		3.30	1929
21	63	75	94	49	1965	52		71	1961	32	1966	0.13		2.54	1928
22	64	75	91	49	1965	52		69	1961	32	1931	0.13		1.39	1985
23	64	75	93	56	1958	52		70	1925	32	1909	0.13		3.22	1953
24	64	75	91	46	1975	53		71	1989	37	1909	0.14		1.67	1947
25	64	76	89	49	1939	53		68	1989	36	1910	0.14		2.76	1999
26	64	76	91	48	1987	53		70	1975	35	1910	0.14		2.09	1915
27	65	76	92	57	1966	53		70	1989	36	1920	0.14		2.33	1998
28	65	76	88	53	1970	54		71	1970	37	1965	0.15		3.04	1912
29	65	76	92	49	1987	54		68	1942	38	1969	0.15		1.99	1994
30	65	76	91	50	1987	54		71	1936	35	1908	0.15		3.00	1970
<b>MONTH</b>	<b>61.5</b>	<b>73</b>	<b>102</b>	<b>36</b>	<b>1972</b>	<b>49.9</b>		<b>72</b>	<b>2001</b>	<b>22</b>	<b>1957</b>	<b>0.12</b>		<b>3.30</b>	<b>1929</b>

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

## APRIL WIND ROSES



**April 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.

## APRIL SUNRISE/SUNSET TIMES FOR 2002

ALL TIMES ARE CENTRAL STANDARD TIME

### OKLAHOMA CITY

DATE	SUNRISE	SUNSET
4/1/02	6:17 AM	6:52 PM
4/2/02	6:15 AM	6:52 PM
4/3/02	6:14 AM	6:53 PM
4/4/02	6:13 AM	6:54 PM
4/5/02	6:11 AM	6:55 PM
4/6/02	6:10 AM	6:56 PM
4/7/02	6:08 AM	6:57 PM
4/8/02	6:07 AM	6:57 PM
4/9/02	6:06 AM	6:58 PM
4/10/02	6:04 AM	6:59 PM
4/11/02	6:03 AM	7:00 PM
4/12/02	6:02 AM	7:01 PM
4/13/02	6:00 AM	7:01 PM
4/14/02	5:59 AM	7:02 PM
4/15/02	5:58 AM	7:03 PM
4/16/02	5:56 AM	7:04 PM
4/17/02	5:55 AM	7:05 PM
4/18/02	5:54 AM	7:06 PM
4/19/02	5:53 AM	7:06 PM
4/20/02	5:51 AM	7:07 PM
4/21/02	5:50 AM	7:08 PM
4/22/02	5:49 AM	7:09 PM
4/23/02	5:48 AM	7:10 PM
4/24/02	5:46 AM	7:11 PM
4/25/02	5:45 AM	7:11 PM
4/26/02	5:44 AM	7:12 PM
4/27/02	5:43 AM	7:13 PM
4/28/02	5:42 AM	7:14 PM
4/29/02	5:41 AM	7:15 PM
4/30/02	5:40 AM	7:15 PM

### TULSA

DATE	SUNRISE	SUNSET
4/1/02	6:10 AM	6:46 PM
4/2/02	6:09 AM	6:47 PM
4/3/02	6:07 AM	6:47 PM
4/4/02	6:06 AM	6:48 PM
4/5/02	6:04 AM	6:49 PM
4/6/02	6:03 AM	6:50 PM
4/7/02	6:02 AM	6:51 PM
4/8/02	6:00 AM	6:52 PM
4/9/02	5:59 AM	6:52 PM
4/10/02	5:57 AM	6:53 PM
4/11/02	5:56 AM	6:54 PM
4/12/02	5:55 AM	6:55 PM
4/13/02	5:53 AM	6:56 PM
4/14/02	5:52 AM	6:57 PM
4/15/02	5:51 AM	6:57 PM
4/16/02	5:49 AM	6:58 PM
4/17/02	5:48 AM	6:59 PM
4/18/02	5:47 AM	7:00 PM
4/19/02	5:45 AM	7:01 PM
4/20/02	5:44 AM	7:02 PM
4/21/02	5:43 AM	7:03 PM
4/22/02	5:42 AM	7:03 PM
4/23/02	5:40 AM	7:04 PM
4/24/02	5:39 AM	7:05 PM
4/25/02	5:38 AM	7:06 PM
4/26/02	5:37 AM	7:07 PM
4/27/02	5:36 AM	7:08 PM
4/28/02	5:34 AM	7:09 PM
4/29/02	5:33 AM	7:09 PM
4/30/02	5:32 AM	7:10 PM

## CONTACT INFORMATION

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