

**OKLAHOMA
MONTHLY SUMMARY
REVISED
DECEMBER 2000**

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MONTHLY SUMMARY FOR DECEMBER 2000

The century year ended with a succession of winter storms that spread unusual amounts of ice and snow across Oklahoma and resulted in the state's coldest month since 1983. The statewide-averaged temperature of 30.8 degrees, 8.3 degrees less than normal, is the second lowest December temperature in the state record that begins in 1892. No intervening month since the December record-setter of 1983 has registered a lower average temperature. December was the second consecutive month with much-below-normal temperatures. The statewide averaged temperature for November and December, combined, of 37 degrees was 7.6 degrees less than normal. As a result the year 2000 is the proud possessor of the coldest November-December yet recorded for the state. Precipitation was dominated by three winter storms, the last and worst of which began on Christmas Day, bringing holiday travel to a virtual halt, leaving many without power and contributing substantially to at least 22 deaths. Monthly precipitation totaled 1.95 inches when averaged statewide, 0.29 inch greater than normal and the 33rd greatest December precipitation over the 109-year period of record.

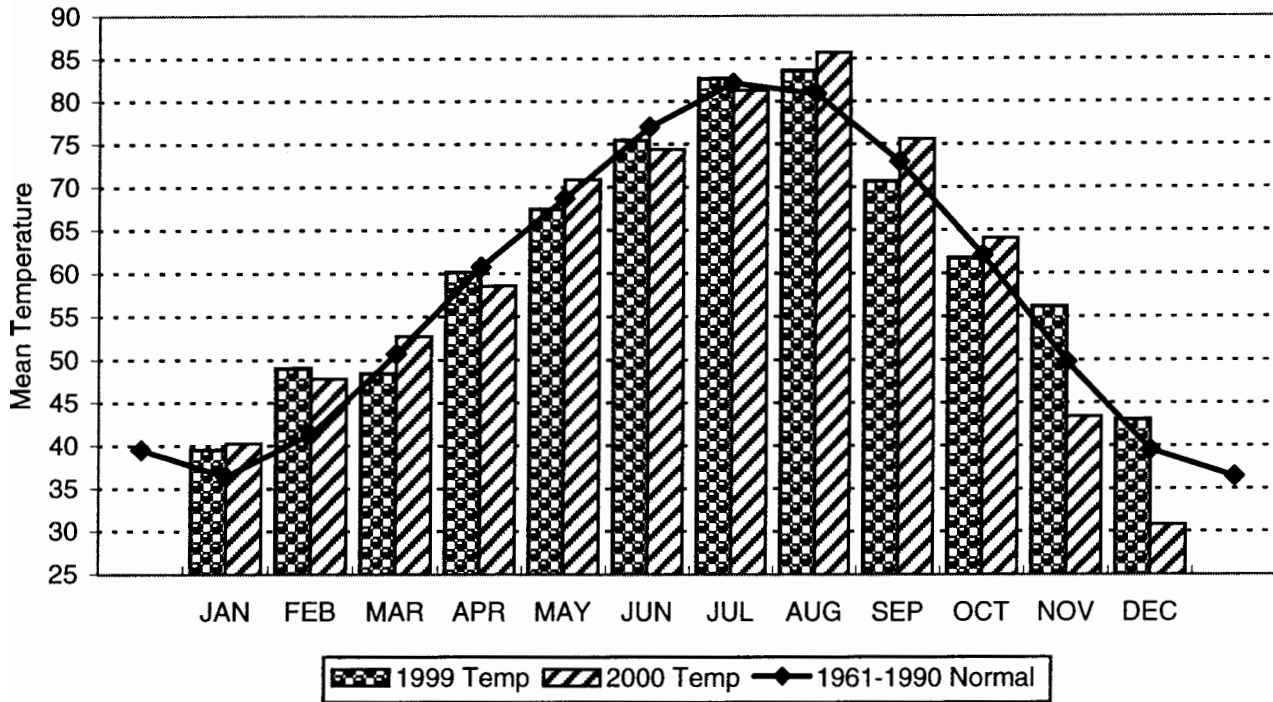
Preliminary annual statistics portray a year that was slightly warmer (60.5 degree annual temperature, 0.3 degree greater than normal, 48th warmest) and wetter (36.84-inch annual precipitation, 2.60 inches greater than normal, 33rd greatest statewide-averaged precipitation) than normal. The year was unusual, as indeed they all are, in that the above normal temperature was obtained despite record cold November-December and the greater than normal precipitation came in the face of a severe two-month long drought (August-September).

The first of three important winter storm events swept through the state from the 11th through the 13th. The storm system blanketed much of the state with snow and provided a prophetic taste of freezing rain to the southeast while introducing a chill to the state that essentially remained through the end of the month. Hollow (Osage County) reported 13.5 inches of snow on the 13th and reports from Ketchum (Craig) indicated that as much as 13 inches fell in that area. Vinita (Craig), Pawhuska (Osage), and Bartlesville (Washington, but the reporting station is in Osage County) each reported 12 inches. Freezing rain in the extreme southeast (McCurtain, LeFlore, Choctaw, and Pushmataha counties) led to power outages affecting about 3,900 customers.

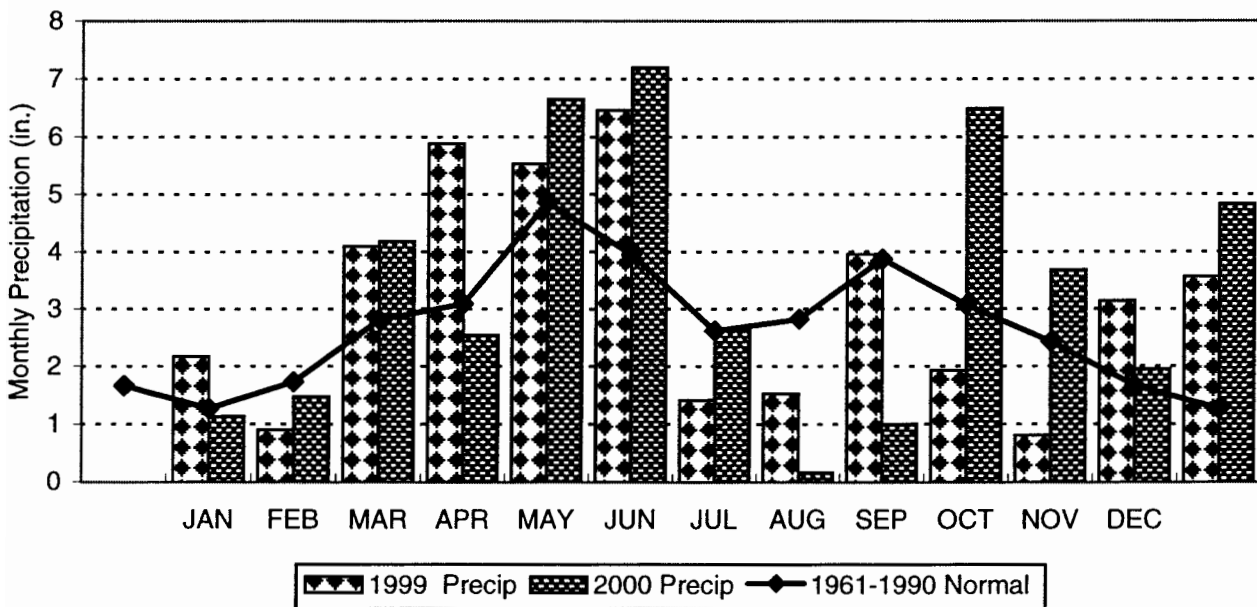
Temperatures in northern Oklahoma dipped into the single digits in the Panhandle on the 11th. Daily minimum temperatures ranged from the lower teens to below zero in the north for the remainder of the month. The Vinita Mesonet site (Craig) reported the month's lowest temperature (-8 degrees) on the 22nd. Occasional higher temperatures in other parts of the state were indicative of returning moisture and the approach of new onslaughts of winter weather. Strong winds raked western Oklahoma on several days, most extensively on the 16th when 29 Mesonet stations recorded maximum winds of 50 miles per hour or greater. The Mesonet station at Hooker (Texas) recorded a peak wind of 69 miles per hour on the 17th. Camargo (Dewey, 67 on the 16th), Goodwell (Texas, 64 on the 17th), and Minco (Grady, 61 on the 16th) also recorded maximum wind speeds exceeding 60 miles per hour.

The Christmas snow and ice storm that paralyzed much of the state, but was especially severe in the southeastern one-fourth, was the worst winter storm event to hit Oklahoma since Christmas week of 1987. Western areas of the state experienced snowfall of up to 9 inches (Sweetwater, on the county line separating Roger Mills/Beckham) and created a pleasant, though inconvenient, winter holiday scene. Farther east, however, a mixture of sleet and freezing rain created havoc. Travel was disrupted, or in some cases halted, beginning late Christmas Day. Ice collecting on tree limbs and power lines led to power outages in many areas. By one estimate, at least 170,000 homes and businesses, including 90 percent of the residents of McIntosh, Latimer, and Pittsburg counties, lost power as a result of the storm. Power still had not been restored in some areas as the month ended. Several McCurtain County locations reported a significant amount of precipitation (liquid-equivalent) over the three-day storm period, most notably: Valliant, 5.56 inches; Broken Bow, 5.14 inches; and Carnasaw Tower, 4.33 inches. Damage to trees from ice build-up was significant throughout the region. A third winter storm brought another 3 or more inches of snow to much of the state on the 30th and 31st. Konawa (Seminole) reported a 7-inch accumulation of new snow by the 31st. Twenty-two deaths between Christmas and New Year's Day, including a sledding accident and the drowning death of a child who broke through the ice on a frozen creek, were attributable to the weather.

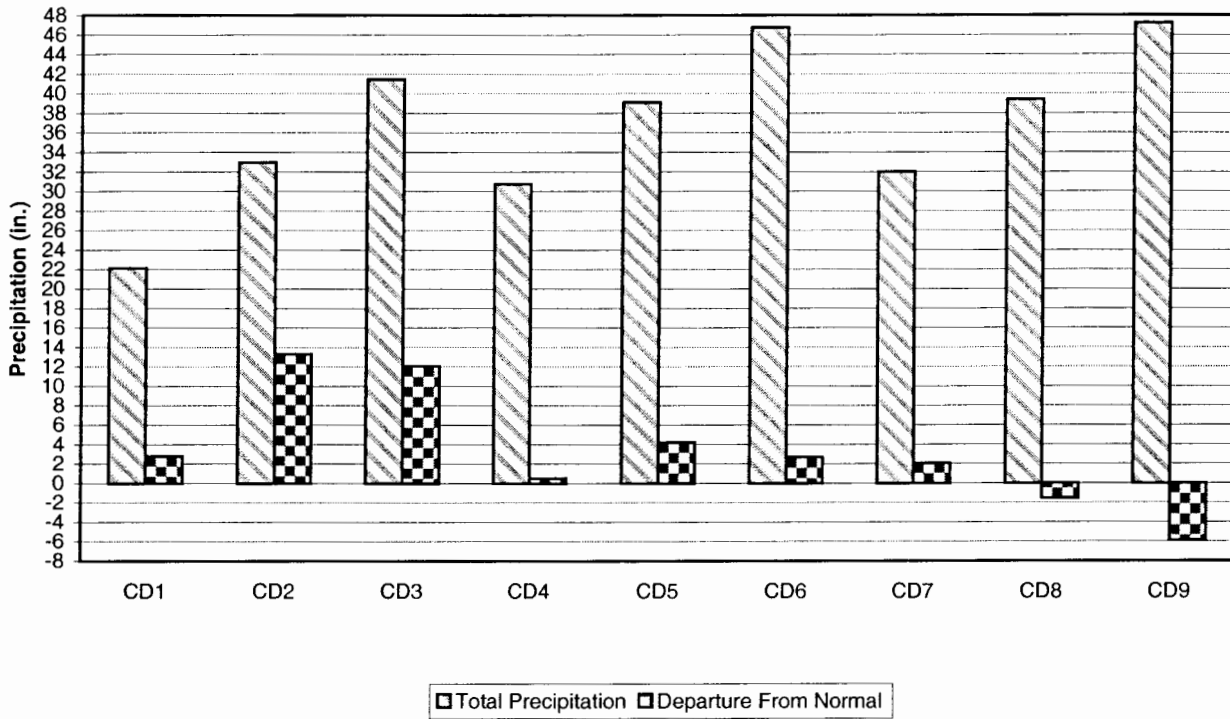
1999 and 2000 STATEWIDE TEMPERATURES Monthly Averages



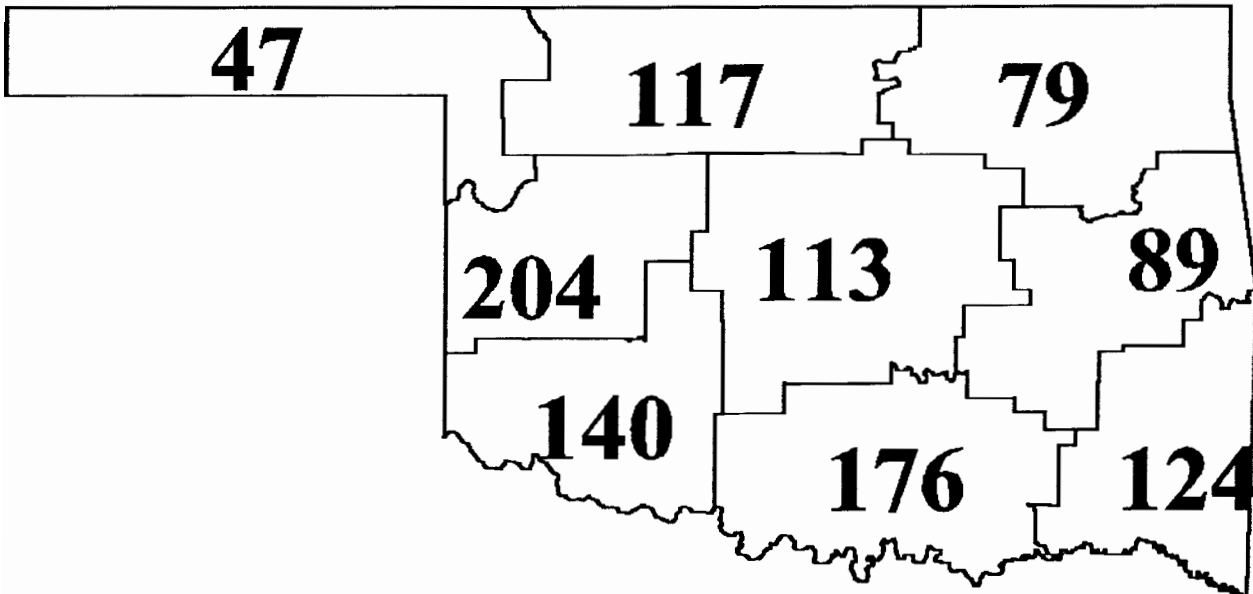
1999 and 2000 STATEWIDE PRECIPITATION Monthly Totals



CD Averaged Precipitation January through December 2000



CD PERCENT OF NORMAL PRECIPITATION DECEMBER 2000



**EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION
DECEMBER, 1999**

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	71	18	KENTON	3	12	BEAVER	.52	26	ARNETT	.78	ARNETT
				3	14	BEAVER					
				3	12	GAGE					
				3	12	GOODWELL					
2	64	8	JEFFERSON	-5	14	BILLINGS	1.67	26	NEWKIRK	2.75	NEWKIRK
	64	8	LAHOMA								
	64	7	PONCA CITY								
3	66	7	RALSTON	-4	22	BARTLESVILLE	1.55	13	HOLLOW	2.50	VINITA
4	68	1	ERICK	2	14	HAMMON	1.75	27	SWEETWATER	2.57	CLINTON
				2	14	TALOGA					
5	64	8	CUSHING	1	31	HENNESSEY	1.98	27	AMBER	3.14	AMBER
6	62	7	EUFAULA	5	22	STILWELL	2.00	27	WEBBERS FALLS	3.65	CLAYTON
	62	10	MCALESTER	5	22	TAHLEQUAH					
7	68	7	HOLLIS	8	28	MANGUM	7.20	24	FREDERICK	9.69	FREDERICK
				8	29	MANGUM					
8	72	1	ADA	7	31	LINDSAY	3.90	27	COLEMAN	6.45	WAURIKA
9	69	11	PAGE	9	21	POTEAU	5.16	27	BROKEN BOW	6.94	VALLIANT
				9	22	SMITHVILLE					

TABLE OF 1999/2000 COMPARISONS

**DECEMBER
Temperature (°F)**

**DECEMBER
Precipitation (in.)**

Station	1999	2000	1999	2000
Arnett	37.8	28.4	1.78	0.78
Enid	41.5	28.7	3.23	1.82
Tulsa	43.4	28.6	5.11	1.63
Elk City	41.9	30.6	1.57	1.76
Oklahoma City	43.2	30.5	3.71	2.31
McAlester	45.9	34.4	1.95	2.15
Altus Irr Station	43.1	33.3	3.19	1.74
Ardmore	47.9	35.9	1.57	4.82
Idabel	49.3	35.5	4.51	4.60

EXTREMES

VARIABLE	STATION	DIVISION	OBSERVATION	DATE
Minimum temperature (°F)	Billings	2	-5	14
Maximum temperature (°F)	Ada	8	72	1
Maximum 24-hour Precipitation	Frederick	7	7.20	24

DECEMBER 2000 SUMMARY FOR PANHANDLE CLIMATE DIVISION (CD1)

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		
ARNETT	332	1	28.4	31	-7.0	62	8	6	14	1134	216	0	0	0.780	31	0.01	0.52	26
BEAVER	593	1	28.7	31	-5.3	61	8	3	14	1125	164	0	0	0.270	31	-0.32	0.12	13
BOISE CITY	908	1	32.7	31	-3.0	68	9	4	12	1000	92	0	0	0.006	31	-0.37	0.00	31
BUFFALO	1243	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.240	30	*****	0.14	12
FARGO	3070	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.193	31	-0.58	0.15	31
GAGE	3407	1	28.2	31	-8.5	63	9	3	12	1140	263	0	0	0.697	31	0.04	0.34	25
GATE	3489	1	28.8	30	-6.2	62	1	5	12	1085	155	0	0	0.341	29	****	0.14	26
GOODWELL	3628	1	31.8	30	-2.1	68	9	3	12	997	33	0	0	0.004	31	-0.28	0.00	27
GUYMON	3835	1	30.9	26	*****	61	8	4	12	887	*****	0	*****	0.000	25	*****	0.00	31
HOOVER	4298	1	31.6	31	-3.4	63	7	5	12	1035	105	0	0	0.232	31	-0.18	0.12	26
KENTON	4766	1	33.4	29	*****	71	18	8	19	916	*****	0	*****	0.064	26	*****	0.03	26
LAVERNE	5045	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.441	31	-0.29	0.14	31
RANGE	7412	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.184	31	*****	0.10	26
REGNIER	7534	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.032	31	-0.30	0.03	26
TURPIN	9017	1	29.2	22	*****	61	8	4	21	788	*****	0	*****	0.100	30	*****	0.10	24

DECEMBER 2000 SUMMARY FOR NORTH CENTRAL CLIMATE DIVISION (CD2)

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		
ALVA	193	2	28.5	31	*****	63	8	4	14	1130	*****	0	*****	2.520	31	*****	1.50	15
VANCE AFB	302	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.383	29	*****	0.33	14
BILLINGS	755	2	26.6	31	-9.4	62	8	-5	14	1190	291	0	0	1.403	31	0.03	0.59	26
BLACKWELL 2E	818	2	27.1	31	-9.4	63	8	5	15	1174	290	0	0	1.586	31	0.24	0.80	26
BRAMAN	1075	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.774	31	*****	0.53	13
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.233	31	*****	0.73	26
CHEROKEE	1724	2	27.9	31	-9.4	61	8	1	15	1150	291	0	0	1.473	31	0.34	0.61	14
ENID	2912	2	28.7	30	-9.3	61	8	6	14	1089	252	0	0	1.822	30	*****	1.03	26
FT SUPPLY	3304	2	26.1	31	-8.6	62	9	-2	13	1206	267	0	0	0.905	31	0.19	0.41	25
FREEDOM	3358	2	28.8	31	-7.6	62	8	2	16	1122	235	0	0	0.561	31	-0.25	0.35	31
GREAT SALT P	3740	2	28.4	30	-7.2	63	8	3	14	1099	188	0	0	0.800	31	-0.02	0.30	26
HARDY	3909	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.982	31	*****	0.50	13
HELENA	4019	2	27.7	31	-7.4	60	8	1	14	1157	230	0	0	1.092	31	0.11	0.49	26
JEFFERSON	4573	2	27.2	31	-9.8	64	8	-4	14	1173	305	0	0	1.172	31	-0.02	0.63	26
LAHOMA	4950	2	27.9	30	*****	64	8	1	14	1114	*****	0	*****	0.040	30	*****	0.02	6
LAMONT	5013	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.401	31	*****	0.85	26
MEDFORD	5768	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.582	31	*****	0.56	26
MORRISON	6065	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.100	31	*****	1.20	13
MUTUAL	6139	2	28.5	31	-7.0	62	8	5	14	1133	218	0	0	0.762	30	*****	0.52	26
NEWKIRK	6278	2	25.3	31	-11.3	62	8	-2	14	1231	351	0	0	2.752	31	1.32	1.67	26
ORIENTA	6751	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.931	31	0.12	0.55	26
PERRY	7012	2	28.3	31	-10.5	62	8	4	14	1139	327	0	0	2.713	30	*****	1.45	26
PONCA CITY	7201	2	26.1	31	-9.7	64	7	-2	14	1207	302	0	0	0.676	31	-0.73	0.44	27
RED ROCK	7505	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.223	31	-0.12	0.57	12
WAYNOKA	9404	2	29.6	21	*****	58	6	3	13	744	*****	0	*****	1.150	30	*****	0.50	31
WOODWARD	9760	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.162	31	0.32	0.53	26

DECEMBER 2000 SUMMARY FOR NORTHEAST CLIMATE DIVISION (CD3)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		DAY	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	
BARNSDALL	535	3	****	0	****	****	0	****	0	*****	*****	*****	*****	0.002	31	-1.90	0.00	10
BARTLESVILLE	548	3	26.6	31	-11.5	65	7	-4	22	1189	355	0	0	1.862	31	0.23	0.69	13
BIXBY	782	3	28.7	31	-9.5	62	7	9	12	1124	293	0	0	2.352	31	0.39	1.07	12
BURBANK	1256	3	****	0	****	****	0	****	0	*****	*****	*****	*****	1.924	31	0.42	0.74	13
CHELSEA	1717	3	****	0	****	****	0	****	0	*****	*****	*****	*****	0.920	31	****	0.35	26
CLAREMORE	1828	3	27.0	31	-10.4	58	8	3	23	1179	323	0	0	2.091	31	-0.09	0.65	13
HOLLOW	4258	3	****	0	****	****	0	****	0	*****	*****	*****	*****	2.005	31	-0.03	1.55	13
HOMINY	4289	3	****	0	****	****	0	****	0	*****	*****	*****	*****	1.892	31	0.32	1.02	13
KANSAS	4672	3	29.6	27	****	55	7	4	22	956	****	0	****	1.883	28	****	0.75	13
LENAPAH	5118	3	****	0	****	****	0	****	0	*****	*****	*****	*****	0.000	31	****	0.00	31
MANNFORD	5522	3	28.5	30	-10.4	64	7	2	17	1096	287	0	0	1.861	30	****	0.88	13
MARAMEC	5540	3	****	0	****	****	0	****	0	*****	*****	*****	*****	1.841	31	0.36	1.01	13
NOWATA	6485	3	27.7	31	-10.3	61	7	-3	22	1155	318	0	0	0.130	31	-1.89	0.13	10
PAWHUSKA	6935	3	26.3	31	-11.3	65	7	-1	22	1200	351	0	0	2.302	31	0.63	0.95	13
PAWNEE	6940	3	****	0	****	****	0	****	0	*****	*****	*****	*****	1.793	31	0.26	0.86	13
PRYOR	7309	3	27.1	28	****	59	1	5	23	1061	****	0	****	1.656	31	-0.74	0.52	13
RALSTON	7390	3	26.6	31	-11.3	66	7	-3	14	1192	352	0	0	0.702	31	-0.86	0.70	13
SKIATOOK	8258	3	****	0	****	****	0	****	0	*****	*****	*****	*****	1.980	31	0.32	1.08	13
SPAVINAW	8380	3	30.9	31	-9.5	57	7	6	12	1057	294	0	0	2.023	31	-0.48	0.58	26
TULSA	8992	3	28.6	31	-10.3	60	7	8	22	1129	320	0	0	1.626	31	-0.53	0.72	13
UPPER SPAV	9101	3	30.6	30	****	60	7	3	22	1033	****	0	****	2.373	30	****	0.85	13
VINITA	9203	3	26.2	31	-11.3	56	7	-2	22	1202	349	0	0	2.501	31	-0.03	0.90	13
WAGONER	9247	3	29.5	30	-11.1	57	7	8	17	1065	309	0	0	0.000	30	****	0.00	31
WANN	9298	3	****	0	****	****	0	****	0	*****	*****	*****	*****	1.454	31	****	0.85	13
WYNONA	9792	3	****	0	****	****	0	****	0	*****	*****	*****	*****	1.947	31	****	1.06	13

DECEMBER 2000 SUMMARY FOR WEST CENTRAL CLIMATE DIVISION (CD4)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		DAY	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	
CANTON DAM	1445	4	28.8	31	-7.4	60	8	3	14	1124	231	0	0	0.871	30	****	0.43	13
CLINTON	1909	4	30.3	30	-9.0	59	7	10	14	1041	244	0	0	2.573	31	1.58	1.40	25
COLONY	2039	4	****	0	****	****	0	****	0	*****	*****	*****	*****	1.463	31	****	0.80	26
CORDELL	2125	4	29.9	31	-9.2	58	8	8	28	1089	286	0	0	1.542	31	0.64	0.65	26
ELK CITY	2849	4	30.6	31	-8.1	63	8	11	12	1065	250	0	0	1.760	31	0.99	0.67	26
ERICK	2944	4	31.3	31	-7.7	68	1	10	12	1044	238	0	0	1.793	31	1.08	0.85	26
GEARY	3497	4	29.6	27	****	58	7	10	14	955	****	0	****	1.700	31	0.76	0.70	26
HAMMON	3871	4	28.3	31	-7.9	63	8	2	14	1137	244	0	0	1.781	31	1.02	0.93	26
LEEDEY	5090	4	****	0	****	****	0	****	0	*****	*****	*****	*****	1.500	31	0.86	1.28	28
MACKIE	5463	4	****	0	****	****	0	****	0	*****	*****	*****	*****	1.250	31	****	1.25	26
MORAVIA	6035	4	****	0	****	****	0	****	0	*****	*****	*****	*****	1.513	30	****	0.57	27
OKEENE	6629	4	30.5	31	-8.4	60	7	6	14	1071	262	0	0	1.401	31	0.35	0.50	31
RETROP	7565	4	****	0	****	****	0	****	0	*****	*****	*****	*****	1.500	31	****	0.80	26
REYDON	7579	4	29.3	28	****	61	8	7	12	1000	****	0	****	1.281	31	0.69	0.72	27
SAYRE	7952	4	****	0	****	****	0	****	0	*****	*****	*****	*****	1.882	31	1.29	0.91	27
SWEETWATER	8652	4	****	0	****	****	0	****	0	*****	*****	*****	*****	1.752	31	****	1.75	27
TALOGA	8708	4	28.0	31	-9.3	60	8	2	14	1146	287	0	0	1.154	30	****	0.83	26
THOMAS	8815	4	****	0	****	****	0	****	0	*****	*****	*****	*****	2.360	31	****	1.12	27
VICI	9172	4	****	0	****	****	0	****	0	*****	*****	*****	*****	1.020	31	0.16	0.57	25
WATONGA	9364	4	29.1	31	-9.0	58	8	10	15	1113	279	0	0	1.837	31	0.78	0.89	26
WEATHERFORD	9422	4	30.4	31	-6.7	57	8	10	14	1072	207	0	0	1.850	30	****	1.20	27

DECEMBER 2000 SUMMARY FOR CENTRAL CLIMATE DIVISION (CD5)

NAME	ID	CD	MEAN		DEV		MIN			HEAT		DEV		COOL		DEV		TOT PPT	NUM OBS	DEV	
			TEMP	NUM OBS	FROM NORM	MAX TEMP	DAY	TEMP	DAY	DAY	DEG	FROM NORM	DEG	DAY	FROM NORM	FROM NORM	MAX 24-HR			DAY	
AMBER	200	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.140	31	*****	1.98	27			
ARCADIA	288	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	0	*****	*****	0			
BLANCHARD	830	5	33.0	31	-8.3	60	7	12	13	993	258	0	0	2.253	30	*****	1.01	13			
BRISTOW	1144	5	30.5	30	-9.5	63	7	8	14	1034	262	0	0	2.550	31	0.48	1.20	13			
CHANDLER	1684	5	30.7	30	-9.7	63	10	11	16	1028	265	0	0	2.050	31	0.52	1.20	31			
CHICKASHA EXP	1750	5	33.3	31	-7.2	60	7	13	12	984	224	0	0	2.104	31	0.84	0.99	13			
COX CITY	2196	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.510	31	*****	1.25	26			
CRESCENT	2242	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.691	30	*****	0.70	13			
CUSHING	2318	5	29.0	31	-9.2	64	8	8	14	1116	285	0	0	1.963	30	*****	1.10	13			
EDMOND	2788	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.471	31	*****	1.00	12			
EL RENO	2818	5	31.2	28	*****	61	8	12	14	948	*****	0	*****	1.770	29	*****	0.78	27			
GUTHRIE	3821	5	30.1	31	-9.8	63	8	6	15	1082	304	0	0	1.893	31	0.39	0.85	13			
HENNESSEY	4055	5	26.8	31	-11.3	61	7	1	31	1184	350	0	0	1.370	30	*****	0.49	12			
INGALLS	4489	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.022	31	*****	1.02	13			
KINGFISHER	4861	5	29.4	31	-9.7	62	8	8	16	1103	300	0	0	1.821	30	*****	0.87	26			
KONAWA	4915	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.800	31	-1.08	0.70	31			
MARSHALL	5589	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.641	31	0.49	0.86	13			
MEEKER	5779	5	28.5	29	*****	59	8	8	14	1058	*****	0	*****	1.842	28	*****	1.04	28			
NORMAN NWS	6386	5	30.8	31	-10.2	60	7	11	12	1059	315	0	0	2.015	31	0.43	0.61	13			
OKEMAH	6638	5	32.3	31	-8.5	59	7	12	12	1014	264	0	0	2.282	31	0.28	0.83	13			
OKLAHOMA CTY	6659	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.952	31	*****	0.55	26			
OKLAHOMA CTY	6661	5	30.5	31	-8.8	59	7	11	12	1069	272	0	0	2.307	31	0.91	0.80	26			
PERKINS	7003	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.250	31	-0.28	0.60	13			
PIEDMONT	7068	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.810	31	*****	0.80	13			
PRAGUE	7264	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.381	31	0.56	1.18	13			
PURCELL	7327	5	32.2	31	-8.3	60	8	11	13	1018	258	0	0	0.001	28	*****	0.00	11			
SEMINOLE	8042	5	32.2	28	*****	62	9	11	13	918	*****	0	*****	1.003	28	*****	0.90	13			
SHAWNEE	8110	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.685	29	*****	0.67	31			
STILLWATER	8501	5	29.7	31	-7.7	63	8	3	14	1094	238	0	0	1.553	30	*****	0.81	13			
STROUD	8563	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.174	31	*****	1.18	13			
TECUMSEH	8751	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.400	31	*****	1.50	31			
UNION CITY	9086	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.856	31	0.51	0.81	13			
WANETTE	9291	5	32.2	25	*****	61	8	12	13	820	*****	0	*****	1.680	25	*****	1.44	29			
WELTY	9479	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.054	31	*****	1.00	13			
WEWOKA	9575	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.711	31	0.81	1.00	26			

DECEMBER 2000 SUMMARY FOR EAST CENTRAL CLIMATE DIVISION (CD6)

NAME	ID	CD	MEAN		DEV		MIN			HEAT		DEV		COOL		DEV		TOT PPT	NUM OBS	DEV	
			TEMP	NUM OBS	FROM NORM	MAX TEMP	DAY	TEMP	DAY	DAY	DEG	FROM NORM	DEG	DAY	FROM NORM	FROM NORM	MAX 24-HR			DAY	
ASHLAND	364	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.173	31	*****	1.47	27			
BEGGS	631	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.000	31	*****	0.00	31			
CALVIN	1391	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.300	31	-0.89	0.80	27			
CHECOTAH	1711	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.120	31	-1.33	0.79	13			
CLAYTON	1858	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.650	31	*****	1.50	27			
DEWAR	2485	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.857	27	*****	0.45	13			
DUSTIN	2690	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.983	31	*****	1.20	26			
EUFULA	2993	6	34.9	25	*****	62	7	12	12	752	*****	0	*****	1.070	29	*****	0.52	13			
HANNA	3884	6	33.6	23	*****	59	7	12	22	722	*****	0	*****	1.182	31	-1.26	0.54	13			
HASKELL	3956	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.000	31	-2.28	0.00	31			
HOLDENVILLE	4235	6	31.4	27	*****	61	7	12	12	907	*****	0	*****	0.732	26	*****	0.73	12			
LAKE EUFAULA	4975	6	33.1	18	*****	58	8	10	13	574	*****	0	*****	1.452	23	*****	1.25	25			
LYONS	5437	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.543	31	-0.21	0.93	13			
MARBLE CITY	5546	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.200	20	*****	0.20	10			
MCALESTER	5664	6	34.4	25	*****	62	10	13	12	766	*****	0	*****	2.152	31	-0.47	0.70	13			
MCCURTAIN	5693	6	33.2	25	*****	57	7	10	22	795	*****	0	*****	1.165	31	-1.65	0.61	27			
MUSKOGEE	6130	6	29.2	31	-11.4	59	7	7	21	1109	353	0	0	2.158	30	*****	0.95	25			
OKMULGEE	6670	6	32.3	31	-7.1	61	7	12	12	1013	219	0	0	0.120	31	-2.11	0.12	6			
OKTAHA	6678	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.724	31	*****	1.26	26			
SALLISAW	7862	6	30.8	31	-10.5	57	8	10	22	1059	324	0	0	3.530	31	0.72	1.65	27			
SCIPIO	7979	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.010	31	*****	1.00	27			
SHORT	8170	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.380	31	*****	1.40	14			
STILWELL	8506	6	26.9	27	*****	54	10	5	22	1029	*****	0	*****	2.902	31	-0.26	1.07	28			
TAHLEQUAH	8677	6	29.8	30	-9.9	57	7	5	22	1057	273	0	0	2.041	30	*****	1.13	13			
WEBBERS FALL	9445	6	31.3	29	*****	61	8	10	22	977	*****	0	*****	3.171	30	*****	2.00	27			
WETUMKA	9571	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.896	31	0.78	1.12	26			

DECEMBER 2000 SUMMARY FOR SOUTHWEST CLIMATE DIVISION (CD7)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV			MIN TEMP	DAY	HEAT			TOT PPT	NUM OBS	DEV			
					FROM NORM	MAX TEMP	DAY			DEG DAY	FROM NORM	DEG DAY			FROM NORM	MAX 24-HR	DAY	
ALTUS	179	7	33.3	30	-8.5	64	7	16	28	950	231	0	0	1.740	31	0.83	0.83	26
ALTUS DAM	184	7	34.2	31	-5.5	63	8	14	29	954	170	0	0	1.140	31	0.28	0.74	27
ANADARKO	224	7	30.5	31	-9.1	59	8	13	15	1070	283	0	0	1.110	31	-0.09	0.58	26
APACHE	260	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.560	31	1.40	1.60	25
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.422	29	*****	0.25	13
CARNEGIE	1504	7	30.8	31	-9.1	59	8	9	28	1061	283	0	0	1.242	31	0.18	0.61	27
CHATTANOOGA	1706	7	34.0	31	-7.5	63	8	17	13	963	234	0	0	1.740	31	0.56	0.78	13
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.841	31	*****	0.92	26
FREDERICK	3353	7	33.2	30	-7.2	62	7	16	13	954	191	0	0	9.690	31	8.66	7.20	24
HEADRICK	3998	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.710	31	*****	0.80	26
HOBART	4204	7	31.3	31	-8.6	60	7	12	28	1044	266	0	0	0.889	30	****	0.40	13
HOLLIS	4249	7	33.3	30	-7.5	68	7	14	28	951	201	0	0	1.790	30	****	0.76	26
LAWTON	5063	7	33.7	31	-6.2	60	8	15	13	971	193	0	0	1.500	31	0.25	0.80	26
LOOKEBA	5329	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.320	31	0.30	0.48	26
MANGUM	5509	7	31.9	31	-8.9	65	8	8	29	1027	277	0	0	1.290	31	0.50	1.27	27
RANDLETT	7403	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.631	31	*****	0.94	27
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.940	31	0.97	0.78	26
SEDAN	8016	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.810	31	*****	0.63	27
SNYDER	8299	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.920	31	0.94	1.22	27
VINSON	9212	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.220	31	0.52	0.66	26
WALTERS	9278	7	34.4	31	-8.1	61	8	16	13	949	251	0	0	2.350	31	0.95	0.90	26
WICHITA MT	9629	7	32.6	27	*****	60	8	14	15	876	*****	0	*****	1.920	30	*****	1.20	27
WILLOW	9668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.590	31	*****	1.26	26

DECEMBER 2000 SUMMARY FOR SOUTH CENTRAL CLIMATE DIVISION (CD8)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV			MIN TEMP	DAY	HEAT			TOT PPT	NUM OBS	DEV			
					FROM NORM	MAX TEMP	DAY			DEG DAY	FROM NORM	DEG DAY			FROM NORM	MAX 24-HR	DAY	
ADA	17	8	32.3	30	-10.0	72	1	12	13	983	276	0	0	1.793	31	-0.19	1.02	26
ALLEN	147	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.480	31	*****	0.70	12
ARDMORE	292	8	35.9	28	*****	61	20	15	11	815	*****	0	*****	4.820	31	2.97	2.82	26
ATOKA	391	8	34.1	27	*****	62	11	14	12	836	*****	0	*****	3.051	29	*****	2.28	26
BOKCHITO	917	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.250	30	*****	2.00	25
CANEY	1437	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.240	31	*****	1.86	26
CENTRAHOMA	1648	8	33.6	29	*****	60	8	15	23	912	*****	0	*****	2.000	30	*****	2.00	13
CHICKASAW	1745	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	0	*****	*****	0
COLEMAN	2011	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.900	31	*****	3.90	27
COMANCHE	2054	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.630	31	0.03	0.88	26
DAISY	2354	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.121	31	1.21	1.86	26
DUNCAN	2660	8	33.7	28	*****	61	8	15	13	876	*****	0	*****	2.402	31	0.91	1.09	26
DURANT	2678	8	34.8	31	-7.4	65	10	15	21	938	231	0	0	5.163	31	2.94	2.00	31
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.810	31	*****	2.00	28
GRADY	3688	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.640	31	*****	3.00	26
HEALDTON	4001	8	34.9	28	*****	62	8	15	13	844	*****	0	*****	2.940	29	*****	2.21	28
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.600	31	*****	1.36	26
KETCHUM RAN	4780	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.380	31	*****	1.00	26
KINGSTON	4865	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.202	30	*****	2.16	25
LEHIGH	5108	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.455	25	*****	2.15	27
LINDSAY	5216	8	31.8	31	-9.4	67	7	7	31	1030	292	0	0	2.912	31	1.22	1.17	12
LOCO	5247	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.300	31	*****	0.75	26
MADILL	5468	8	34.9	31	-8.9	62	11	16	14	934	277	0	0	4.170	31	2.16	1.75	26
MARIETTA 5 S	5563	8	34.6	31	-9.2	63	21	16	13	942	285	0	0	3.810	31	1.96	2.05	26
MARLOW	5581	8	35.2	31	-6.3	60	7	14	12	923	194	0	0	2.420	31	1.03	1.08	26
MCGEE CREEK	5713	8	34.7	30	*****	64	10	12	22	908	*****	0	*****	4.200	31	*****	2.00	26
PAULS VALLEY	6926	8	32.3	31	-9.5	63	8	13	13	1014	295	0	0	2.322	31	0.52	1.30	26
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.860	31	2.00	1.45	25
TISHOMINGO	8884	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.650	31	0.52	2.55	26
TUSSY	9032	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.000	31	*****	1.00	31
WAURIKA	9395	8	37.0	31	-6.4	64	7	17	12	869	199	0	0	6.451	31	4.90	3.00	31

DECEMBER 2000 SUMMARY FOR SOUTHEAST CLIMATE DIVISION (CD9)

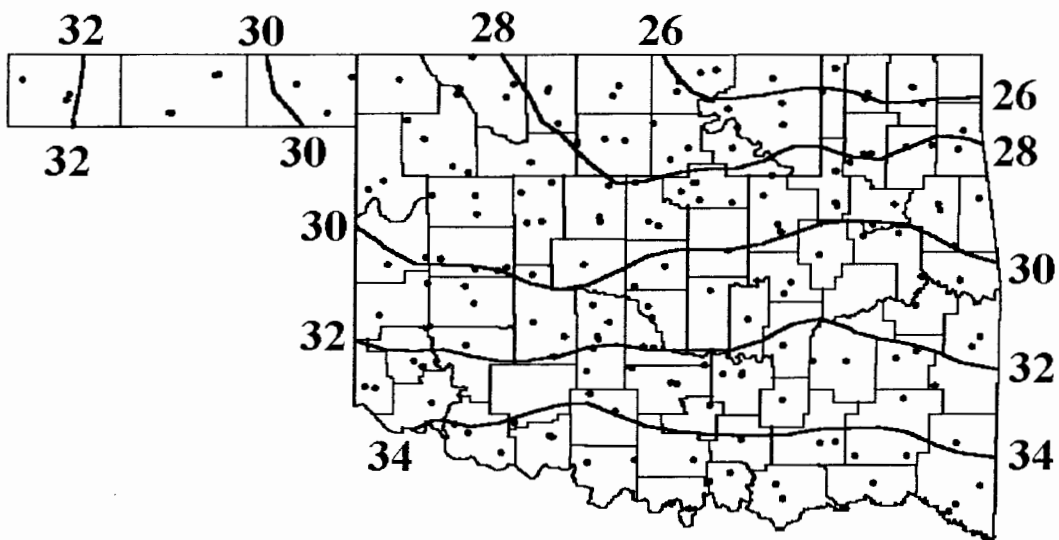
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
ANTLERS	256	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0	*****	*****	0	
BATTIEST	567	9	33.5	25	*****	61	12	14	20	787	*****	0	*****	5.773	30	*****	2.37	26
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.060	31	*****	2.65	26
BROKEN BOW	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.431	31	2.45	5.16	27
CARNASAW	1499	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.773	31	1.66	2.42	26
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.381	31	0.26	2.25	26
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.410	31	1.20	2.80	24
HEAVENER	4008	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.000	31	-3.49	0.00	31
IDABEL	4451	9	35.5	31	-7.8	63	12	16	23	913	240	0	0	4.602	31	0.92	1.40	27
PAGE	6842	9	31.7	18	*****	69	11	10	18	600	*****	0	*****	0.081	31	*****	0.08	13
POTEAU	7254	9	31.2	31	*****	59	10	9	21	1049	*****	0	*****	3.873	31	*****	2.00	12
SMITHVILLE	8285	9	32.3	29	*****	62	12	9	22	948	*****	0	*****	3.952	31	-0.40	1.30	13
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.820	31	0.76	1.17	26
TUSKAHOMA	9023	9	34.2	31	-9.0	60	8	10	22	956	280	0	0	4.362	31	1.54	1.77	26
VALLIANT	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.940	31	3.23	3.06	26
WILBURTON	9634	9	32.1	31	-9.7	61	11	10	22	1019	300	0	0	3.932	30	*****	1.15	12
WISTER	9724	9	33.1	27	*****	65	11	10	23	860	*****	0	*****	2.090	31	*****	1.25	26

DECEMBER 2000 CLIMATE DIVISION SUMMARY

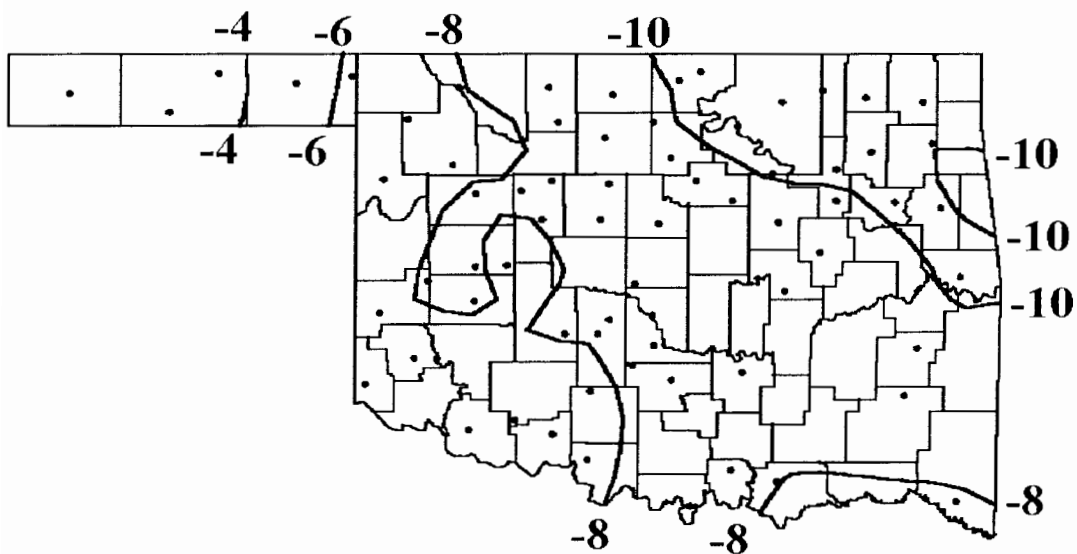
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				FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
CLIMATE DIVISION 1	1	30.0	7	-5.1	71	18	3	12	1074	149	0	0	0.280	10	-0.28	0.52	26
CLIMATE DIVISION 2	2	27.5	15	-9.0	64	7	-5	14	1154	272	0	0	1.320	20	0.24	1.67	26
CLIMATE DIVISION 3	3	28.1	12	-10.3	66	7	-4	22	1135	312	0	0	1.570	21	-0.41	1.55	13
CLIMATE DIVISION 4	4	29.7	10	-8.3	68	1	2	14	1090	255	0	0	1.670	17	0.85	1.75	27
CLIMATE DIVISION 5	5	30.6	13	-9.3	64	8	1	31	1060	284	0	0	2.020	22	0.47	1.98	27
CLIMATE DIVISION 6	6	30.5	4	-10.4	62	10	5	22	1059	313	0	0	2.050	18	-0.50	2.00	27
CLIMATE DIVISION 7	7	32.8	11	-7.7	68	7	8	29	990	230	0	0	2.070	19	1.05	7.20	24
CLIMATE DIVISION 8	8	34.2	9	-8.3	72	1	7	31	949	250	0	0	3.290	24	1.41	3.90	27
CLIMATE DIVISION 9	9	33.3	4	-9.4	69	11	9	22	984	290	0	0	3.910	14	0.38	5.16	27

MESONET MONTHLY SUMMARY FOR DECEMBER 2000

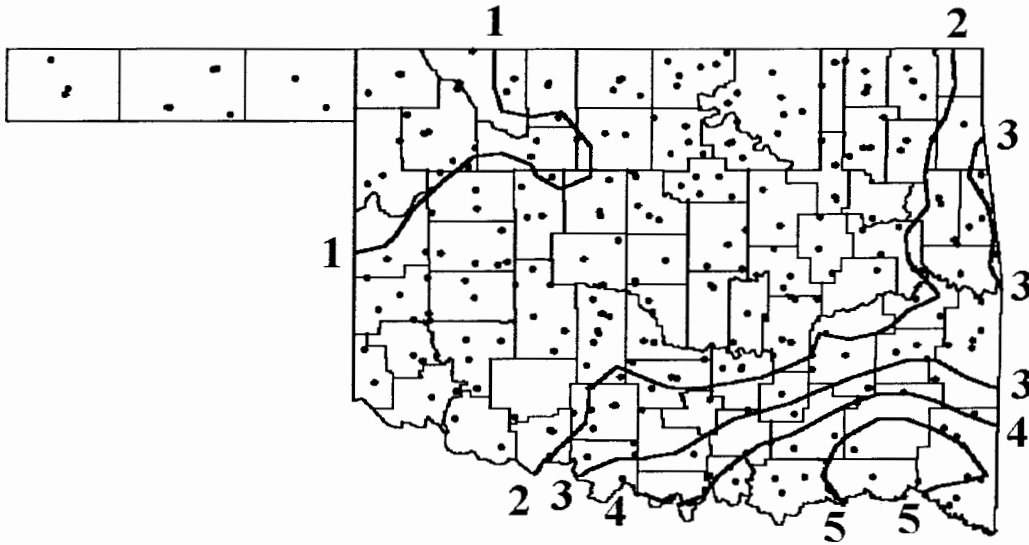
NAME	MEAN TEMP	MAX TEMP	MIN DAY	MIN TEMP	DAY	HDD	CDD	TOT PPT	MAX 24-HR	DAY	NAME	MEAN TEMP	MAX TEMP	MIN DAY	MIN TEMP	DAY	HDD	CDD	TOT PPT	MAX 24-HR	DAY
PANHANDLE																					
Arnett	29.0	62	9	7	12	1115	0	0.60	0.38	28	Goodwell	30.5	63	7	4	12	1068	0	0.14	0.12	27
Beaver	29.0	62	7	2	12	****	0	0.10	0.09	14	Hooker	29.6	62	7	4	12	1097	0	0.21	0.14	27
Boise City	31.5	65	7	3	11	1038	0	0.18	0.18	27	Kenton	****	***	**	***	**	****	0	****	****	**
Buffalo	29.1	62	9	1	14	1114	0	0.31	0.14	27	Slapout	30.5	61	7	4	12	****	0	0.20	0.12	27
NORTH CENTRAL																					
Alva	28.0	63	7	1	14	1146	0	0.75	0.26	15	May Ranch	28.1	60	7	4	12	1143	0	0.45	0.19	15
Blackwell	25.9	63	7	0	14	1213	0	0.56	0.27	15	Medford	26.3	62	7	-2	14	1198	0	0.33	0.26	15
Breckenridge	26.8	62	7	2	14	****	0	0.58	0.42	15	Newkirk	25.5	63	7	3	12	1225	0	0.47	0.27	15
Cherokee	27.9	61	7	0	14	1150	0	0.67	0.34	15	Red Rock	26.6	63	7	1	14	1191	0	0.69	0.33	15
Fairview	28.6	61	7	2	14	1128	0	0.79	0.35	15	Seiling	28.4	60	7	4	14	1135	0	0.82	0.51	28
Freedom	28.6	62	7	5	12	1127	0	0.68	0.34	28	Woodward	29.6	63	7	6	12	1098	0	0.69	0.47	28
Lahoma	27.2	61	7	2	14	1172	0	0.59	0.39	15											
NORTHEAST																					
Bixby	29.8	62	7	9	12	1055	0	1.13	0.52	15	Nowata	25.1	60	7	-7	22	1236	0	0.66	0.38	15
Burbank	26.2	66	7	5	12	1201	0	0.61	0.32	15	Pawnee	27.1	65	7	1	14	1175	0	0.73	0.44	15
Catoosa	27.7	61	7	4	17	1155	0	0.82	0.22	15	Porter	30.4	59	7	9	12	1037	0	1.35	0.31	15
Claremore	27.5	61	7	2	17	1163	0	0.58	0.19	16	Pryor	26.9	58	7	0	22	1180	0	1.04	0.70	15
Copan	24.9	64	7	-1	22	1243	0	0.47	0.26	15	Skiatook	****	***	**	***	**	****	0	****	****	**
Foraker	24.8	65	7	2	17	1246	0	0.61	0.29	15	Vinita	24.5	58	7	-8	22	1254	0	0.79	0.57	15
Jay	27.0	58	7	-1	22	1177	0	1.34	0.77	15	Wynona	****	***	**	***	**	****	0	****	****	**
Miami	****	***	**	***	**	****	0	****	****	**											
WEST CENTRAL																					
Bessie	31.0	61	7	10	14	1055	0	0.98	0.45	15	Putnam	28.9	59	7	8	12	1120	0	0.82	0.42	28
Butler	30.3	65	7	5	14	****	0	0.84	0.37	28	Retrop	31.0	62	7	11	14	1055	0	0.98	0.47	15
Camargo	28.9	61	7	5	14	1119	0	0.77	0.53	28	Watonga	29.3	58	7	9	12	1108	0	1.00	0.42	15
Cheyenne	30.9	61	7	9	12	****	0	****	****	**	Weatherford	29.5	58	7	11	12	1099	0	0.66	0.41	15
Erick	30.7	67	7	9	14	1063	0	1.05	0.62	28											
CENTRAL																					
Acme	32.3	59	7	14	12	1014	0	1.50	1.07	15	Minco	30.5	58	7	12	12	1070	0	1.23	0.57	15
Bowlegs	31.3	62	7	11	12	1044	0	1.73	0.51	15	Ninnekah	32.1	60	7	14	12	1020	0	1.49	0.90	15
Bristow	29.3	62	7	9	14	1108	0	1.38	0.48	15	Norman	31.1	61	7	12	12	1051	0	1.28	0.76	15
Chandler	30.0	62	7	10	12	1085	0	1.45	0.38	15	Oilton	27.4	63	7	1	14	1164	0	1.11	0.67	15
Chickasha	31.8	60	7	14	12	1028	0	1.45	0.81	15	Okemah	30.6	59	7	10	12	1065	0	1.69	0.73	15
El Reno	28.4	61	7	7	14	1134	0	1.07	0.63	15	Perkins	28.7	63	7	4	14	1124	0	1.06	0.46	15
Guthrie	29.3	62	7	7	14	1106	0	1.33	0.89	15	Shawnee	30.7	60	7	10	12	1062	0	1.67	0.76	15
Kingfisher	28.7	62	7	3	31	1126	0	0.89	0.59	15	Spencer	30.4	61	7	10	12	1072	0	1.56	0.89	15
Marena	28.6	63	7	4	14	1128	0	1.13	0.58	15	Stillwater	28.1	65	7	2	14	1143	0	****	****	**
Marshall	27.6	62	7	0	14	1160	0	0.99	0.69	15	Washington	31.9	61	7	13	12	1026	0	1.72	0.49	15
EAST CENTRAL																					
Calvin	32.3	60	7	13	12	1013	0	1.19	0.64	15	Sallisaw	31.1	59	7	10	22	1052	0	2.31	0.95	27
Cookson	29.3	56	7	5	22	1107	0	1.29	0.37	16	Stigler	31.3	59	7	11	22	1045	0	1.13	0.45	15
Eufaula	****	***	**	***	**	****	0	****	****	15	Stuart	32.5	58	7	12	12	1008	0	1.15	0.68	15
Haskell	30.5	59	7	10	12	1070	0	1.26	0.31	15	Tahlequah	29.1	57	7	6	22	1113	0	1.08	0.61	15
Hectorville	30.0	61	7	9	12	1083	0	1.23	0.59	15	Webbers Falls	31.3	59	7	12	12	1044	0	1.25	0.51	15
McAlester	32.4	61	10	13	12	1012	0	1.31	0.77	15	Westville	28.5	54	7	5	17	1131	0	1.16	0.48	15
Okmulgee	****	***	**	***	**	****	0	****	****	15											
SOUTHWEST																					
Altus	33.6	63	7	16	28	972	0	1.04	0.41	15	Hollis	33.2	69	7	14	28	986	0	1.00	0.43	28
Apache	31.5	59	7	13	12	1037	0	1.12	0.86	15	Mangum	31.6	64	7	11	28	1034	0	1.00	0.30	29
Fort Cobb	31.0	60	7	11	28	1054	0	0.84	0.61	15	Medicine Park	****	***	**	***	**	****	0	****	****	**
Grandfield	34.4	65	7	17	12	949	0	1.40	0.40	15	Tipton	34.9	63	7	17	12	****	0	1.10	0.43	15
Hinton	29.7	58	7	9	14	1094	0	0.93	0.57	15	Walters	35.3	63	7	16	12	****	0	1.52	0.57	15
Hobart	30.8	***	**	***	**	****	0	0.66	0.46	15											
SOUTH CENTRAL																					
Ada	32.3	61	7	13	12	1014	0	1.28	0.52	15	Madill	35.8	62	10	17	12	905	0	3.88	1.86	26
Ardmore	34.9	61	7	15	12	933	0	3.51	1.78	26	Pauls Valley	33.6	63	7	14	12	942	0	2.02	0.85	15
Burneyville	35.8	63	7	17	12	905	0	3.20	1.64	26	Ringling	35.3	61	7	16	12	920	0	2.34	0.76	28
Byars	32.5	60	7	12	12	1008	0	1.81	0.91	15	Sulphur	32.4	60	7	14	12	977	0	1.71	0.45	28
Centrahoma	32.5	61	7	13	22	1009	0	1.14	0.64	15	Tishomingo	****	***	**	***	**	****	0	****	****	**
Durant	35.9	65	10	16	12	903	0	4.74	2.04	26	Vanoss	32.5	61	7	12	12	1006	0	1.73	0.63	28
Ketchum Ranch	33.4	61	7	14	12	978	0	1.71	0.83	15	Waurika	35.9	65	7	17	12	902	0	2.14	0.60	28
Lane	34.9	62	10	16	12	932	0	****	****	**											
SOUTHEAST																					
Antlers	34.0	63	8	11	22	930	0	6.48	2.39	25	Idabel	35.5	64	11	16	22	914	0	1.34	0.46	15
Broken Bow	35.2	64	8	14	22	924	0	6.02	4.36	26	Mt Herman	33.3	62	11	13	22	982	0	3.80	1.91	26
Clayton	****	***	**	***	**	****	0	****	****	**	Talihina	32.9	64	11	11	22	995	0	1.78	0.83	15
Cloudy	34.3	63	11	13	22	****	0	****	****	**	Wilburton	31.9	63	11	12	12	1027	0	1.47	0.73	15
Hugo	35.9	64	11	17	12	****	0	6.16	2.84	26	Wister	31.1	60	10	8	22	1049	0	0.94	0.56	15



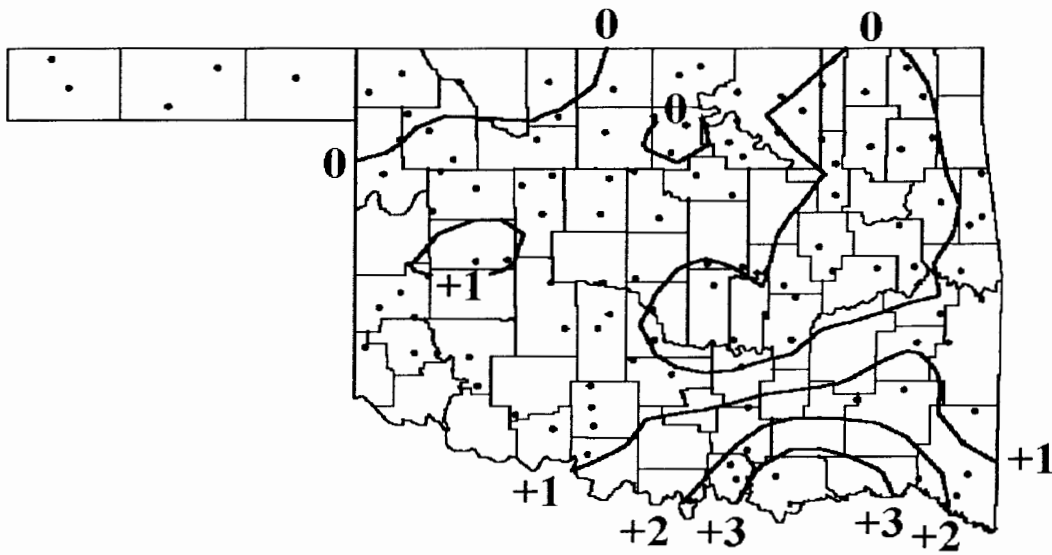
DECEMBER 2000 AVERAGE MONTHLY TEMPERATURE (F)



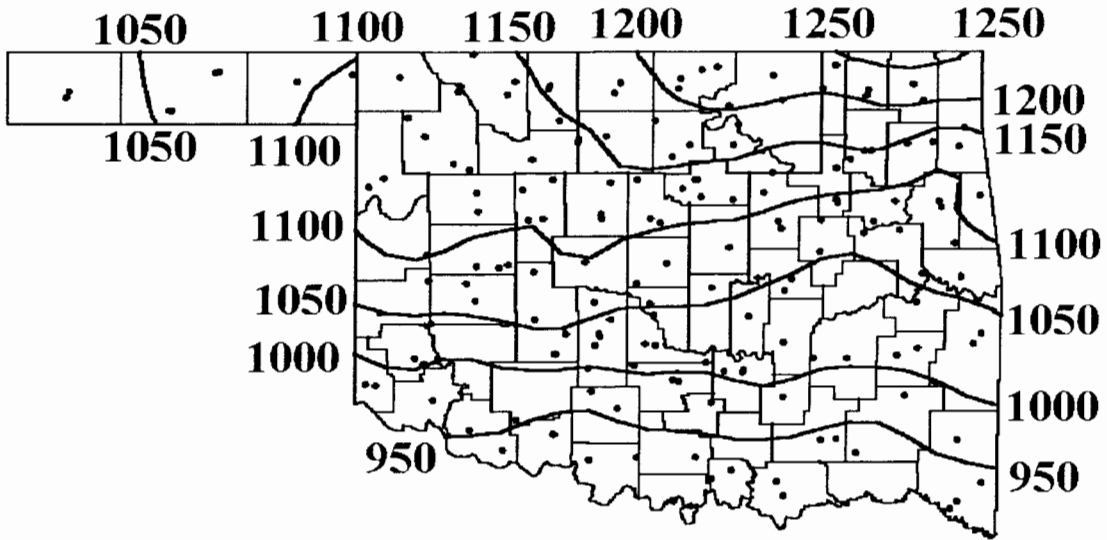
DECEMBER 2000 DEPARTURE FROM NORMAL TEMPERATURE (F)



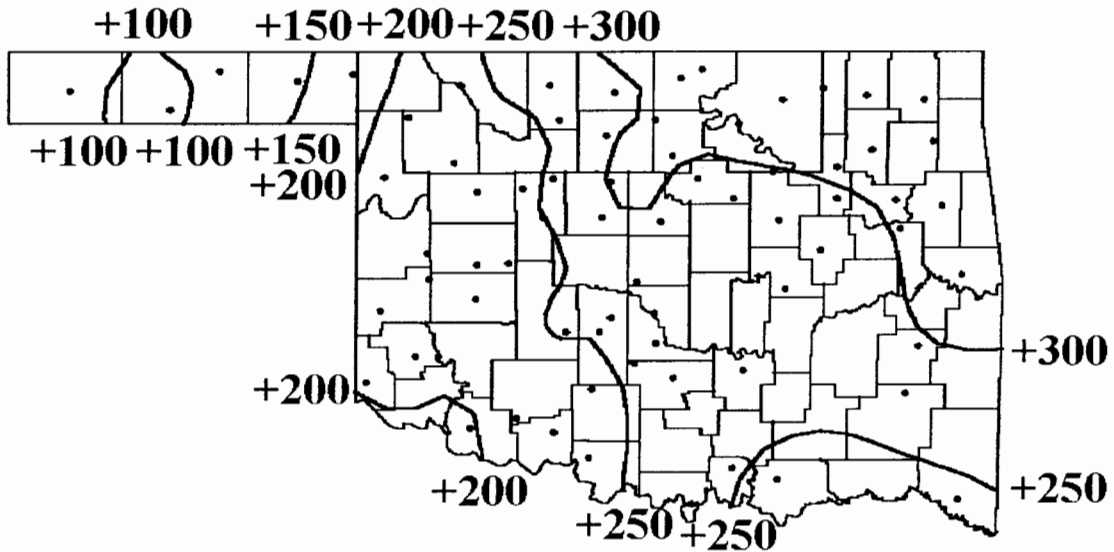
DECEMBER 2000 TOTAL PRECIPITATION (INCHES)



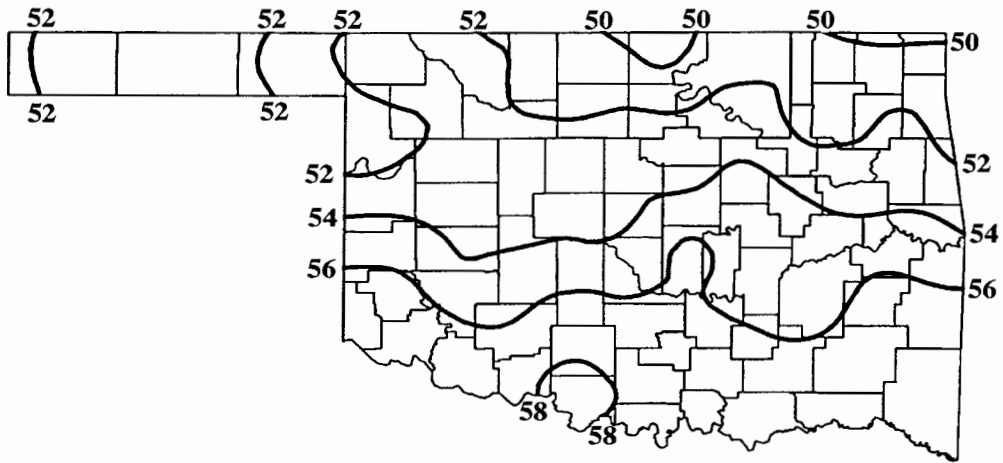
DECEMBER 2000 DEPARTURE FROM NORMAL PRECIPITATION (INCHES)



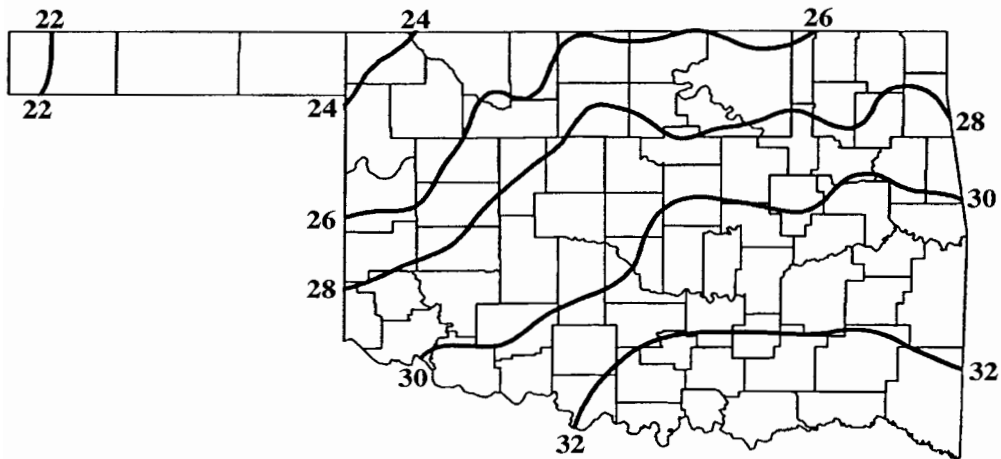
DECEMBER 2000 ACCUMULATED HEATING DEGREE DAYS (F)



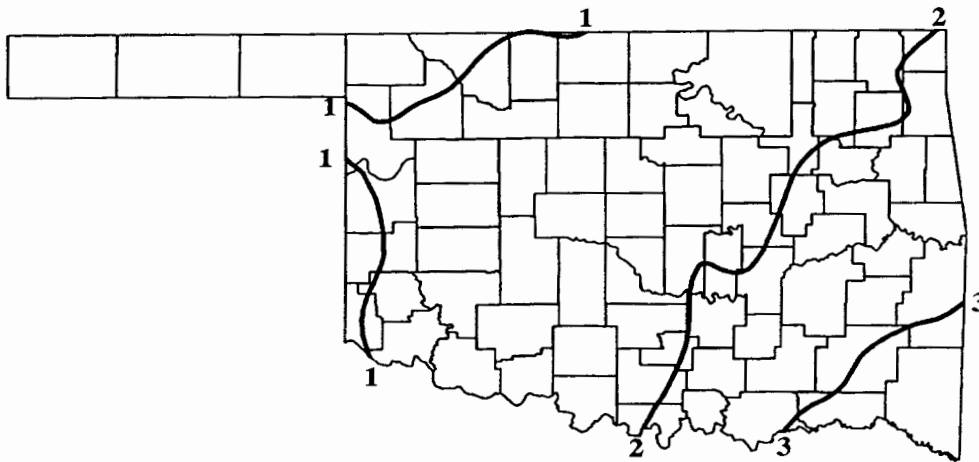
DECEMBER 2000 DEPARTURE FROM NORMAL HEATING DEGREE DAYS (F)



FEBRUARY NORMAL DAILY MAXIMUM TEMPERATURE (F)



FEBRUARY NORMAL DAILY MINIMUM TEMPERATURE (F)



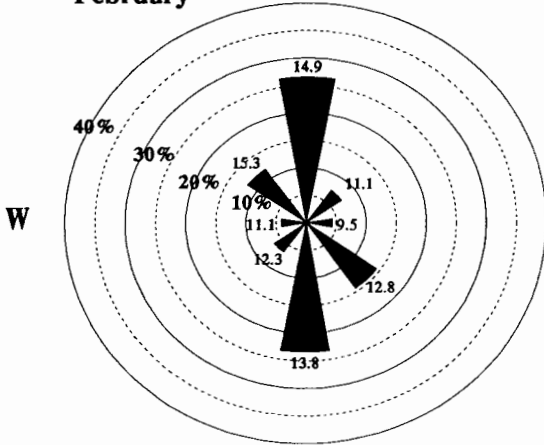
FEBRUARY NORMAL MONTHLY PRECIPITATION (INCHES)

**OUTLOOK FOR FEBRUARY 2001 THROUGH APRIL 2001
BASED ON SEASONAL OUTLOOK PROVIDED BY THE CLIMATE PREDICTION CENTER**

TEMPERATURE: NEAR NORMAL TEMPERATURE STATEWIDE

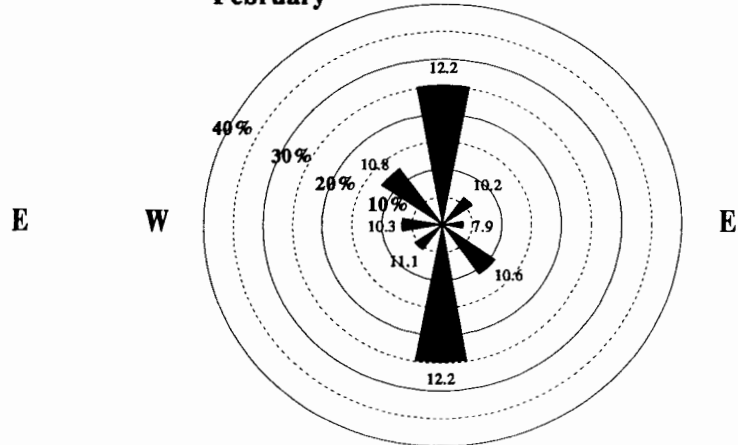
PRECIPITATION: NEAR NORMAL PRECIPITATION STATEWIDE

**Oklahoma City
February**



Calm=1.6%
Mean Speed= 13.3 mph

**Tulsa
February**



Calm=4.8%
Mean Speed= 10.8 mph

February 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.

FEBRUARY SUNRISE/SUNSET TIMES FOR 2001

ALL TIMES ARE CENTRAL STANDARD TIME

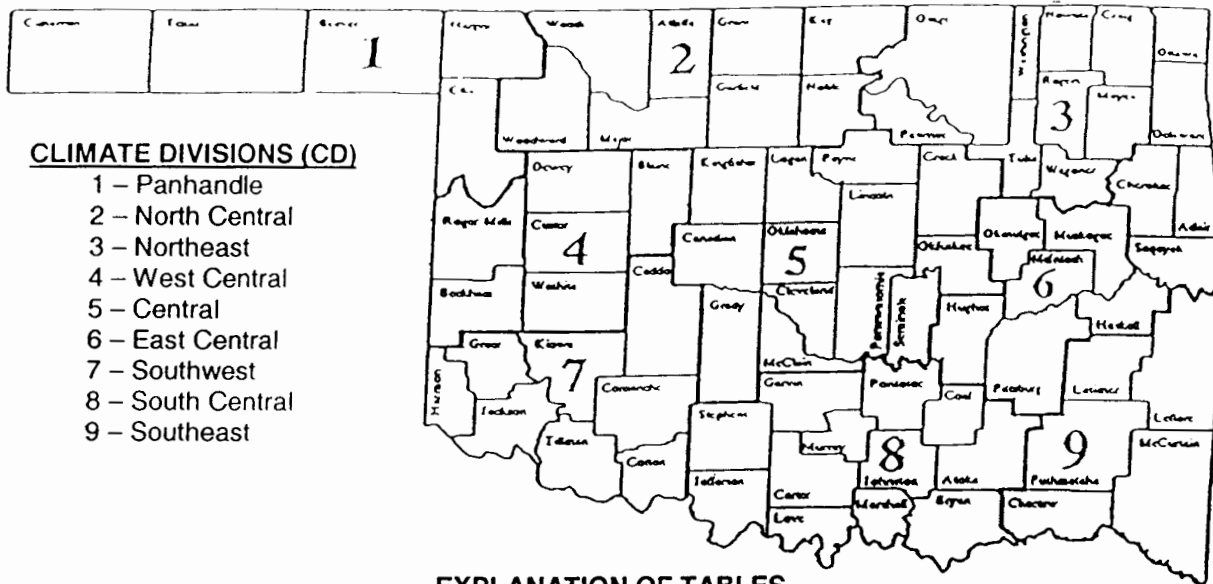
OKLAHOMA CITY

<u>DATE</u>	<u>SUNRISE</u>	<u>SUNSET</u>
2/1/01	7:30 AM	5:58 PM
2/2/01	7:29 AM	5:59 PM
2/3/01	7:28 AM	6:00 PM
2/4/01	7:27 AM	6:01 PM
2/5/01	7:26 AM	6:02 PM
2/6/01	7:25 AM	6:03 PM
2/7/01	7:25 AM	6:04 PM
2/8/01	7:24 AM	6:05 PM
2/9/01	7:23 AM	6:06 PM
2/10/01	7:22 AM	6:07 PM
2/11/01	7:21 AM	6:08 PM
2/12/01	7:20 AM	6:09 PM
2/13/01	7:19 AM	6:10 PM
2/14/01	7:18 AM	6:11 PM
2/15/01	7:16 AM	6:12 PM
2/16/01	7:15 AM	6:13 PM
2/17/01	7:14 AM	6:14 PM
2/18/01	7:13 AM	6:15 PM
2/19/01	7:12 AM	6:16 PM
2/20/01	7:11 AM	6:17 PM
2/21/01	7:10 AM	6:18 PM
2/22/01	7:08 AM	6:19 PM
2/23/01	7:07 AM	6:20 PM
2/24/01	7:06 AM	6:21 PM
2/25/01	7:05 AM	6:22 PM
2/26/01	7:03 AM	6:23 PM
2/27/01	7:02 AM	6:24 PM
2/28/01	7:01 AM	6:25 PM

TULSA

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

OKLAHOMA



Two kinds of tables appear in this summary. The first is a set of tables containing all reporting stations grouped by climate division. The figure above shows the locations of the climate divisions. Each table contains the following information for each station:

Station Name:

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

Climate Division: See the figure above.

Number of Temperature Observations: These are the actual number of temperature reports recorded at the station during the current month. Missing observations may result in artificially high or low mean monthly temperatures.

Deviation from Normal: The deviation of the observed mean monthly temperature from the monthly station normal. A positive value indicates the month was warmer than normal. A negative value indicates the month was cooler than normal. Normal monthly temperatures may be calculated by subtracting the deviation from the observed temperature.

Maximum Daily Maximum: The maximum daily maximum temperature observed during the current month and year and the day which it occurred.

Minimum Daily Minimum: The minimum daily minimum temperature observed during the current month and year and the day which it occurred.

Heating Degree Days: HDD are calculated each day of the month for which there is a temperature report and the average temperature for the day is less than 65 degrees. Daily values are summed to arrive at a monthly total. They are a qualitative measure of how much heat was required to maintain a comfortable indoor temperature. Missing observations may result in an artificially high or low value. For February 2000 HDD would be calculated as:

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

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

Cooling Degree Days: CDD are calculated each day of the month for which there is a temperature report and the average temperature for the day exceeds 65 degrees. Daily values are summed to give a monthly total. They are a proxy measure of how much cooling was required to maintain a comfortable indoor temperature. Missing observations may result in an artificially high or low value. For June, CDD would be calculated as:

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

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

Total Precipitation: Often incorrectly referred to as a mean precipitation, this value is the sum of all precipitation reported during the month at a station. If snow occurred, it is to be melted and its water equivalent recorded.

Number of Precipitation Observations: The number of days a rain or no rain observation was reported. Missing observations frequently result in artificially low total precipitation values.

Deviation from Normal Precipitation: A positive value indicates more rain than normal was received. A negative value indicates less than was expected rainfall was received. Normal rainfall may be calculated by subtracting the deviation from the monthly total.

Maximum 24-Hour Report and Day: The maximum amount of precipitation recorded during the station's 24 hour observation period for the current month and year and the day on which it was recorded.

The second set of tables contain similar information but are the average or extreme over all the stations reporting in each climate division.

OKLAHOMA CITY CLIMATE CALENDAR
 DATA COURTESY OF NATIONAL WEATHER SERVICE NORMAN

MONTH February

The data on this calendar is for Oklahoma City.
 Normal values are calculated for the period 1961-1990.
 Temperature extremes are for the period 1891-1999.
 Precipitation extremes are for the period 1891-1999.

Day	Avg. Temp	Avg. High	Record High	Year	Lowest Max	Year	2001	Avg. Low	Highest Min	Year	Record Low	Year	2001	Avg. Ppt.	Greatest Ppt.	Year	2001
1	37	48	90	1911	14	1918		27	59	1986	-2	1951		0.04	0.71	1990	
2	38	49	77	1995	10	1905		27	58	1986	-4	1895		0.04	0.88	1943	
3	38	49	78	1962	7	1905		27	58	1986	0	1996		0.04	1.13	1960	
4	38	49	77	1962	15	1989		27	58	1927	-3	1996		0.04	1.32	1964	
5	38	49	77	1942	16	1982		27	57	1938	3	1989		0.04	1.05	1987	
6	39	50	73	1904	16	1905		27	54	1931	3	1895		0.05	1.38	1892	
7	39	50	76	1937	6	1933		28	50	1894	-8	1895		0.05	0.84	1980	
8	39	50	76	1999	12	1929		28	53	1966	-5	1933		0.05	0.62	1966	
9	39	50	84	1932	16	1899		28	51	1932	-3	1979		0.05	2.10	1898	
10	40	51	79	1922	16	1933		28	52	1999	4	1929		0.05	0.50	1953	
11	40	51	82	1962	15	1899		29	57	1938	-12	1899		0.05	1.12	1977	
12	40	51	84	1962	2	1905		29	57	1962	-17	1899		0.05	2.21	1978	
13	40	52	82	1962	21	1905		29	54	1976	-11	1905		0.05	0.76	1908	
14	41	52	81	1954	18	1951		29	55	1954	1	1936		0.05	0.89	1938	
15	41	52	81	1954	17	1909		30	53	1976	7	1909		0.06	0.93	1938	
16	41	52	81	1927	15	1903		30	63	1911	4	1903		0.06	2.15	1940	
17	41	53	79	1991	17	1936		30	50	1926	5	1900		0.06	0.88	1961	
18	42	53	78	1986	24	1936		30	53	1971	-1	1978		0.06	0.88	1946	
19	42	53	83	1986	21	1929		31	54	1997	7	1903		0.06	0.69	1994	
20	42	54	84	1981	25	1918		31	55	1894	9	1918		0.06	1.55	1997	
21	43	54	82	1996	25	1911		31	58	1922	9	1939		0.06	1.63	1971	
22	43	54	92	1996	24	1968		31	55	1985	11	1963		0.07	1.15	1985	
23	43	55	88	1918	21	1914		32	52	1956	7	1910		0.07	0.81	1985	
24	44	55	87	1918	19	1960		32	58	1930	7	1965		0.07	0.94	1952	
25	44	55	84	1917	27	1960		32	56	1944	10	1960		0.07	0.74	1936	
26	44	56	82	1996	21	1934		33	59	1981	10	1891		0.07	1.34	1903	
27	44	56	83	1918	25	1962		33	56	1981	12	1962		0.07	1.32	1966	
28	45	56	90	1904	19	1922		33	62	1904	7	1962		0.07	0.98	1990	
29		56	81	1972	22	1960		33	58	1932	13	1960		0.07	0.42	1948	
MONTH	40.9	52.1	92	1996	2	1905		29.6	63	1911	-17	1899		1.56	2.21	1978	

*The most tornadoes reported in February for Oklahoma was (6) in 1975.

TULSA CLIMATE CALENDAR
 DATA COURTESY OF NATIONAL WEATHER SERVICE NORMAN

MONTH February

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

Day	Avg. Temp	Avg. High	Record High	Year	Lowest Max	Year	2001	Avg. Low	Highest Min	Year	Record Low	Year	2001	Avg. Ppt.	Greatest Ppt.	Year	2001
1	37	47	90	1911	15	1951		26	53	1986	-7	1979		0.05	0.78	1923	
2	37	47	77	1995	16	1917		26	56	1986	0	1917		0.05	0.69	1943	
3	37	48	79	1934	8	1996		27	59	1986	-5	1996		0.06	0.53	1960	
4	37	48	77	1962	11	1905		27	57	1927	-11	1996		0.06	2.27	1971	
5	38	48	75	1942	16	1905		27	60	1938	4	1979		0.06	1.36	1964	
6	38	48	73	1999	21	1989		27	59	1928	4	1985		0.06	0.64	1999	
7	38	49	78	1909	27	1985		28	68	1927	0	1933		0.06	0.76	1980	
8	38	49	75	1957	11	1933		28	58	1966	-5	1933		0.06	1.32	1944	
9	39	49	82	1932	20	1994		28	55	1938	-3	1979		0.06	0.79	1908	
10	39	49	81	1922	23	1986		28	63	1932	-3	1929		0.06	0.8	1905	
11	39	50	77	1951	21	1981		28	54	1915	-3	1981		0.06	1.18	1977	
12	39	50	86	1962	10	1905		29	57	1938	0	1905		0.07	1.78	1978	
13	40	50	84	1962	18	1905		29	59	1938	-15	1905		0.07	0.7	1946	
14	40	51	80	1910	23	1951		29	59	1954	-10	1905		0.07	1.01	1951	
15	40	51	80	1976	17	1909		29	60	1976	3	1905		0.07	1.74	1938	
16	41	51	78	1976	16	1979		30	51	1927	3	1920		0.07	1.03	1938	
17	41	52	79	1907	18	1936		30	63	1911	9	1993		0.07	1.37	1961	
18	41	52	78	1930	26	1978		30	60	1971	2	1936		0.07	1.35	1974	
19	41	52	77	1981	24	1929		31	54	1997	9	1978		0.08	1.31	1955	
20	42	53	83	1981	21	1918		31	55	1997	9	1918		0.08	1.94	1997	
21	42	53	82	1996	28	1968		31	55	1922	7	1939		0.08	1.43	1913	
22	42	53	90	1996	28	1968		32	57	1985	1	1963		0.08	2.99	1985	
23	43	54	81	1982	15	1910		32	51	1992	10	1910		0.08	1.4	1985	
24	43	54	85	1918	24	1965		32	64	1930	8	1965		0.08	0.86	1952	
25	43	54	82	1917	31	1960		32	60	1944	10	1965		0.09	0.94	1908	
26	44	55	79	1996	20	1934		33	61	1996	11	1960		0.09	1.25	1984	
27	44	55	81	1976	23	1962		33	59	1981	13	1962		0.09	1.12	1950	
28	45	56	82	1972	22	1962		33	53	1976	6	1962		0.09	2	1987	
29	45	56	82	1972	21	1960		33	57	1972	15	1960		0.09	0.2	1948	
MONTH	40.4	51.2	90	1996	8	1996		29.6	68	1927	-15	1905		0.07	2.99	1985	

* The average number of tornadoes reported in February for Oklahoma is (0.8).