

# OKLAHOMA MONTHLY SUMMARY REVISED JANUARY 2000

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## MONTHLY SUMMARY FOR JANUARY 2000

A late-month winter storm blanketed most of the state with 2 to 17 inches of snow, but otherwise January weather in Oklahoma was remarkably mild. The statewide-averaged temperature of 40.3 degrees was 3.9 degrees higher than normal, giving 2000 the 30<sup>th</sup> warmest January since record keeping began in 1892. Prior to the snowstorm, precipitation was spotty, and generally sparse, across the state. The statewide-averaged precipitation for the month was 1.13 inches, 0.13 inch less than normal, ranking this the 50<sup>th</sup> driest of the 109 January's on record. Monthly precipitation averaged across each of the state's nine climate divisions was greater than normal in three (Panhandle, East Central, and South Central), near-normal in three (North Central, Central, and Southeast), and approximately half of normal or less in the other three (Northeast, West Central, and Southwest).

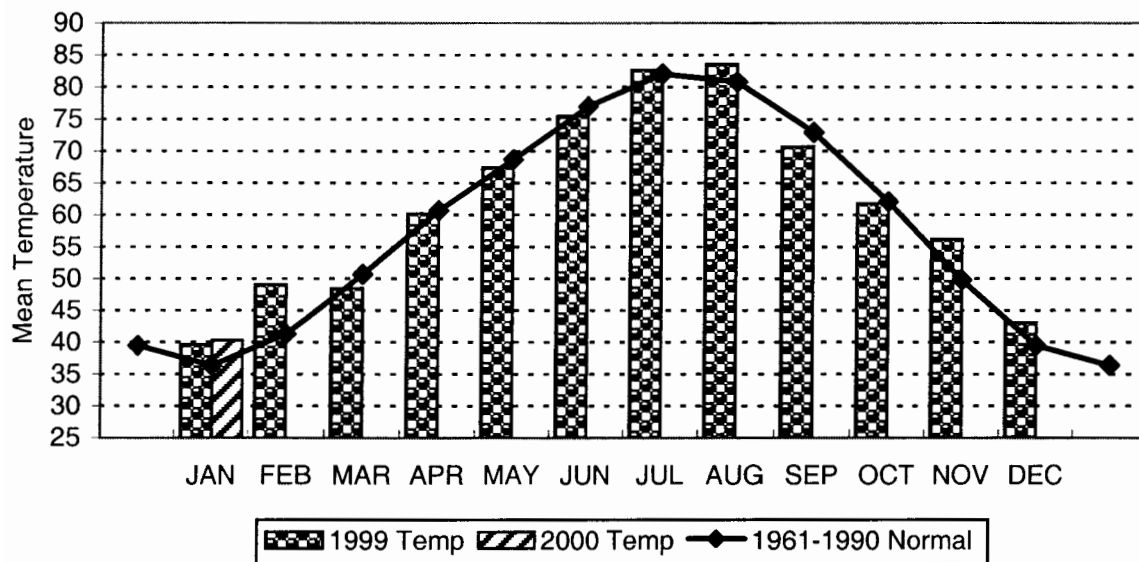
Thunderstorms formed in south central Oklahoma in advance of a cold front and spread northeastward on the 3<sup>rd</sup>. Tahlequah (Cherokee County) reported 2.88 inches of precipitation. Large hail was reported near Mill Creek (Johnston). Wind damage related to the thunderstorms was reported in Pittsburg and Latimer counties. The Mesonet sites near Clayton (Latimer) and Ringling (Jefferson) recorded maximum wind speeds in excess of 50 per hour. Four Mesonet sites in the western Panhandle, where there were no thunderstorms, also recorded maximum winds in excess of 50 miles per hour on the 3<sup>rd</sup>. The site near Boise City (Cimarron) recorded a gust to 60 miles per hour. The Hooker (Texas), Goodwell (Texas), and Kenton (Cimarron) sites each recorded winds of 50 to 53 miles per hour. As cool air followed behind the front, morning low temperatures fell into single digits at several northwestern locations on the 4<sup>th</sup>.

Precipitation was very spotty to non-existent from the 4<sup>th</sup> through the 25<sup>th</sup>, despite the passage of several storm systems. Several locations in McCurtain County recorded an inch or more of precipitation on the 8<sup>th</sup>. Eufaula reported 1.75 inches of rain on the 25<sup>th</sup> in an isolated event. Mesonet stations recorded several significant wind events, not associated with any precipitation. These included peak gusts of 54 miles per hour at Watonga (Blaine) and 52 miles per hour at Kingfisher (Kingfisher) on the 5<sup>th</sup> and gusts to 53 miles per hour at Freedom (Woods), and 51 miles each at Buffalo (Harper) and May Ranch (Woods) on the 19<sup>th</sup>.

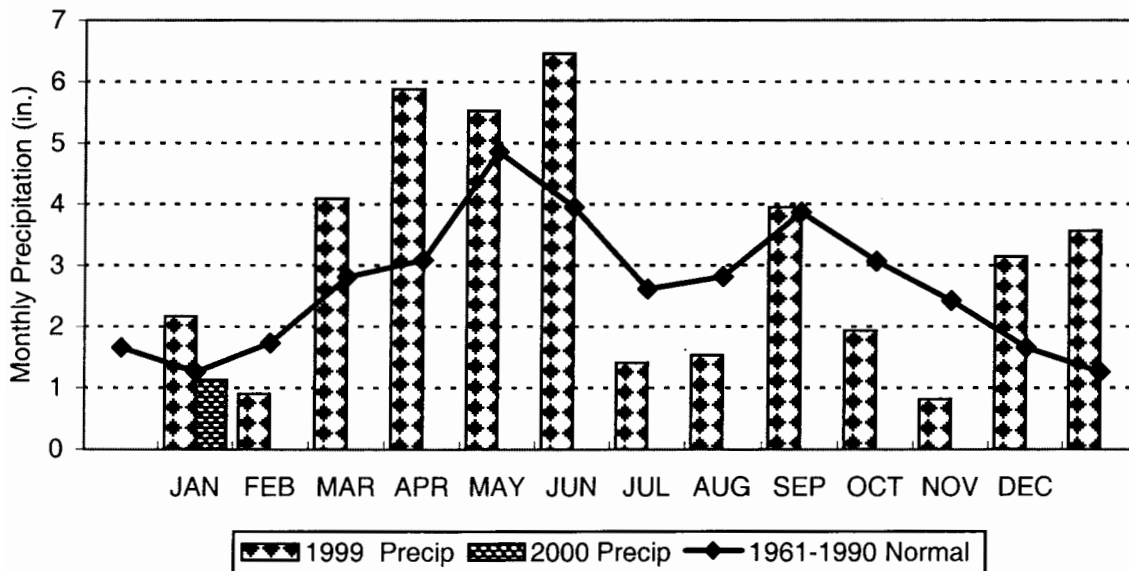
Oklahoma received its most widespread snowfall in several years on the 26<sup>th</sup> and 27<sup>th</sup>. A few locations along the Red River in southwestern Oklahoma had to settle for some sleet or freezing rain, but most of the state was turned into a winter wonderland for a few days. The heaviest snow fell around Eufaula (McIntosh) where as much as 17 inches was reported. Konawa (Seminole), Stella (Cleveland), Hanna (McIntosh), Lehigh (Coal), and Carter Tower (McCurtain) each reported at least a foot of snow. The rapid overnight cooling associated with snow cover, light winds, and clear skies produced the month's lowest temperatures: one degree above zero at Fort Supply (Woodward) on the 28<sup>th</sup> and three degrees at the Buffalo Mesonet site (Harper), and Mutual (Woodward) on the 29<sup>th</sup>.

Howard L. Johnson

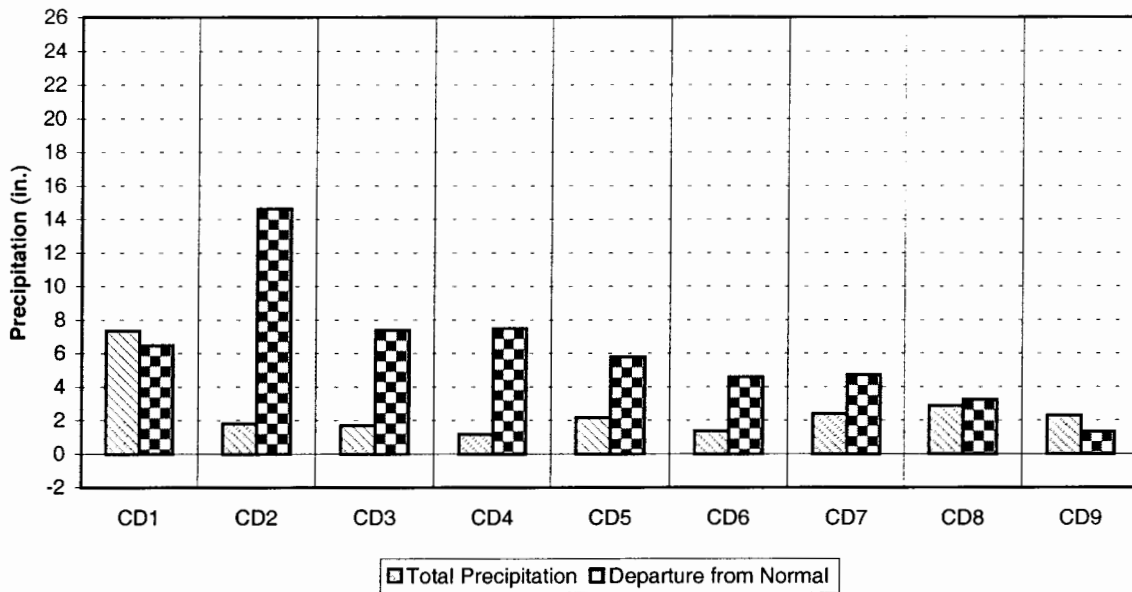
### 1999 and 2000 STATEWIDE TEMPERATURES Monthly Averages



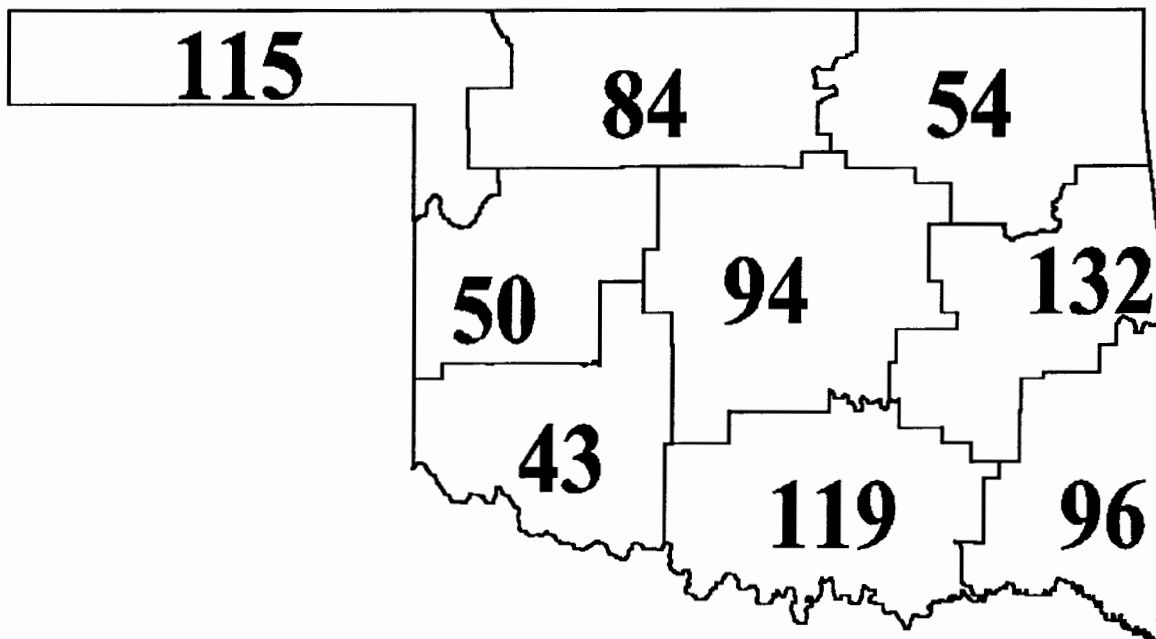
### 1999 and 2000 STATEWIDE PRECIPITATION Monthly Totals



### CD Averaged Precipitation October 1999 through January 2000



### CD PERCENT OF NORMAL PRECIPITATION January 2000



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

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	77	1	BUFFALO	5	29	ARNETT	1.95	27	KENTON	2.04	KENTON
				5	30	ARNETT					
				5	29	BEAVER					
				5	29	GAGE					
2	76	1	FT SUPPLY	1	28	FT SUPPLY	1.18	27	ALVA	1.50	ALVA
3	75	12	WAGONER	9	24	BARTLESVILLE	1.30	3	KANSAS	2.27	KANSAS
				9	24	RALSTON					
4	74	2	ERICK	4	29	CANTON DAM	.55	27	WATONGA	.81	WATONGA
	74	20	ERICK	4	30	CANTON DAM					
5	75	12	BRISTOW	6	30	MEEKER	1.50	2	SEMINOLE	2.64	SEMINOLE
6	77	13	HOLDENVILLE	9	30	HOLDENVILLE	2.88	3	TAHLEQUAH	4.06	TAHLEQUAH
	77	12	MCALESTER								
7	76	1	HOLLIS	11	29	ALTUS DAM	.82	3	LAWTON	1.45	LAWTON
	76	19	HOLLIS	11	29	ANADARKO					
8	81	13	MARIETTA	10	30	CENTRAHOMA	1.45	3	ALLEN	2.79	MCGEE CREEK
9	77	12	TUSKAHOMA	4	30	SMITHVILLE	1.75	3	WISTER	3.45	CARTER TWR

**TABLE OF 1999/2000 COMPARISONS**

**JANUARY  
Temperature (°F)**

**JANUARY  
Precipitation (in.)**

Station	1999	2000	1999	2000
Arnett	36.1	35.5	1.83	0.54
Enid	34.7	36.9	3.25	1.16
Tulsa	39.0	40.0	3.02	0.90
Elk City	38.0	39.5	1.42	0.38
Oklahoma City	40.5	40.7	1.82	0.76
McAlester	43.2	43.1	0.96	1.52
Altus Irr Station	40.5	41.2	1.84	0.26
Ardmore	42.9	46.1	1.99	2.40
Idabel	43.3	****	3.65	0.16

VARIABLE	STATION	EXTREMES DIVISON	OBSERVATION	DATE
Minimum temperature (°F)	Ft. Supply	2	1	28
Maximum temperature (°F)	Marietta	8	81	13
Maximum 24-hour Precipitation	Tahlequah	6	2.88"	3

**JANUARY 2000 SUMMARY FOR PANHANDLE DIVISION (CD1)**

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG	DAY	DEV FROM NORM	COOL DEG	DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
					FROM NORM	MAX TEMP													
ARNETT	332	1	35.5	31	3	71	16	5	30	916	-93	0	0	0.541	31	0.08	0.53	28	
BEAVER	593	1	34.9	31	3	72	2	5	29	934	-101	0	0	0.300	31	-0.10	0.21	27	
BOISE CITY	908	1	38.2	30	4	71	15	7	4	804	-152	0	0	0.652	31	0.35	0.63	27	
BUFFALO	1243	1	39.9	31	5	77	1	9	4	779	-164	0	0	0.000	31	-0.49	0.00	31	
FARGO	3070	1	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.353	31	-0.12	0.25	28	
GAGE	3407	1	35.7	31	1	75	1	5	29	910	-43	0	0	0.234	31	-0.18	0.19	28	
GATE	3489	1	35.8	30	3	74	3	7	30	878	-134	0	0	0.530	31	-0.02	0.36	27	
GOODWELL	3628	1	37.8	31	6	72	20	10	29	843	-183	0	0	0.160	31	-0.11	0.16	26	
GUYMON	3835	1	38.3	28*	****	71	16	10	30	747	*****	0	*****	0.221	28	*****	0.22	27	
HOOKER	4298	1	38.1	31	5	71	15	8	29	833	-162	0	0	0.470	31	0.08	0.44	27	
KENTON	4766	1	37.8	30	5	71	11	8	4	817	-195	0	0	2.040	31	1.76	1.95	27	
LAVERNE	5045	1	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.393	31	-0.14	0.18	27	
RANGE	7412	1	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.040	31	*****	0.04	27	
REGNIER	7534	1	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.272	31	-0.03	0.27	27	
TURPIN	9017	1	36.0	23*	****	70	3	9	4	667	*****	0	*****	0.000	23	*****	0.00	31	

**JANUARY 2000 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)**

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG	DAY	DEV FROM NORM	COOL DEG	DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
					FROM NORM	MAX TEMP													
ALVA	193	2	36.1	31*	****	70	20	12	29	897	*****	0	*****	1.500	31	*****	1.18	27	
VANCE AFB	302	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.947	31	*****	0.46	28	
BILLINGS	755	2	36.3	31	4	71	2	11	30	891	-107	0	0	0.711	31	-0.29	0.26	27	
BLACKWELL 2E	818	2	37.2	31	4	70	2	15	25	863	-133	0	0	0.761	31	-0.18	0.34	28	
BRAMAN	1075	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.601	31	*****	0.35	27	
CEDARDALE	1620	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.422	31	*****	0.21	27	
CHEROKEE	1724	2	34.5	30	0	70	20	10	29	914	-32	0	0	0.956	30	*****	0.70	27	
ENID	2912	2	36.9	31	2	65	20	14	29	871	-57	0	0	1.160	31	0.20	0.55	27	
FT SUPPLY	3304	2	33.0	31	1	76	1	1	28	994	-24	0	0	0.422	31	-0.03	0.40	27	
FREEDOM	3358	2	34.1	31	0	73	1	4	29	957	-5	0	0	0.260	31	-0.28	0.20	23	
GREAT SALT P	3740	2	37.0	31	5	69	20	16	31	867	-156	0	0	0.682	31	-0.01	0.32	27	
HARDY	3909	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.432	31	*****	0.27	28	
HELENA	4019	2	35.6	31	4	69	20	7	30	912	-118	0	0	0.712	31	-0.06	0.25	27	
JEFFERSON	4573	2	37.4	31	3	69	1	9	30	857	-101	0	0	0.561	31	-0.29	0.19	27	
LAMONT	5013	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.670	31	*****	0.25	28	
MEDFORD	5768	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.881	31	*****	0.38	27	
MORRISON	6065	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.740	31	*****	0.25	8	
MUTUAL	6139	2	35.9	31	3	70	20	3	29	902	-106	0	0	0.263	31	-0.34	0.21	28	
NEWKIRK	6278	2	35.7	31	3	70	2	13	24	909	-78	0	0	0.571	31	-0.30	0.30	28	
ORIENTA	6751	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.132	31	-0.58	0.07	28	
PERRY	7012	2	38.5	31	3	72	2	17	30	822	-87	0	0	0.924	31	-0.02	0.30	28	
PONCA CITY	7201	2	38.4	31	6	72	1	12	24	825	-186	0	0	0.665	31	-0.37	0.26	28	
RED ROCK	7505	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.652	31	-0.25	0.23	27	
WAYNOKA	9404	2	36.4	26*	****	71	19	7	28	743	*****	0	*****	0.000	27	*****	0.00	31	
WOODWARD	9760	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.411	31	-0.13	0.27	28	

**JANUARY 2000 SUMMARY FOR NORTHEAST 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	38.3	31	4	70	1	10	24	828	-115	0	0	0.371	31	-1.02	0.21	4
BARTLESVILLE	548	3	37.9	31	3	71	1	9	24	840	-100	0	0	1.204	31	-0.07	0.70	28
BIXBY	782	3	40.2	31	6	74	13	16	30	768	-193	0	0	0.381	31	-1.19	0.38	3
BURBANK	1256	3	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.720	31	-0.42	0.23	27
CHELSEA	1717	3	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.020	31	****	0.55	3
CLAREMORE	1828	3	27.2	5*	****	39	31	21	31	189	*****	0	*****	1.191	14	****	0.60	28
CLEVELAND 2	1902	3	38.5	31*	****	69	1	13	24	820	*****	0	*****	0.251	31	****	0.21	3
FORAKER	3250	3	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.680	31	-0.34	0.27	27
HOLLOW	4258	3	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.812	31	-0.67	0.37	3
HOMINY	4289	3	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.091	31	-0.16	0.48	28
KANSAS	4672	3	40.8	30	5	72	11	13	31	725	-175	0	0	2.272	30	****	1.30	3
LENAPAH	5118	3	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.410	30	****	0.16	8
MANNFORD	5522	3	41.0	30	6	72	12	12	24	720	-196	0	0	1.021	30	****	0.56	28
MARAMEC	5540	3	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.950	31	-0.32	0.32	28
NOWATA	6485	3	40.1	31	6	72	12	13	24	773	-174	0	0	0.590	31	-1.00	0.41	4
PAWHUSKA	6935	3	37.8	31	4	70	1	12	24	845	-114	0	0	0.830	31	-0.45	0.42	28
PAWNEE	6940	3	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.040	31	-0.18	0.30	28
PRYOR	7309	3	39.5	31	7	74	13	15	25	791	-201	0	0	1.384	31	-0.37	0.70	28
RALSTON	7390	3	37.2	31	3	73	1	9	24	861	-78	0	0	0.160	31	-0.99	0.16	4
SKIATOOK	8258	3	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.980	31	-0.39	0.46	28
SPAVINAW	8380	3	41.9	30	5	74	12	16	24	693	-191	0	0	1.230	30	****	0.57	3
TULSA	8992	3	40.0	31	5	74	12	16	24	775	-150	0	0	0.902	31	-0.64	0.46	27
UPPER SPAV	9101	3	40.9	29*	****	73	12	11	31	700	*****	0	*****	1.241	29	****	0.60	3
VINITA	9203	3	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.882	6	****	1.18	1
WAGONER	9247	3	41.2	30	4	75	12	15	24	714	-160	0	0	1.130	28	****	0.72	3
WANN	9298	3	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.580	31	****	0.25	28
WYONONA	9792	3	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.014	31	****	0.51	28

**JANUARY 2000 SUMMARY FOR WEST CENTRAL 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	35.8	25*	****	68	20	4	30	731	*****	0	*****	0.771	26	****	0.53	27
CLINTON	1909	4	37.9	31	1	71	20	10	30	842	-39	0	0	0.451	31	-0.49	0.37	27
COLONY	2039	4	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.321	31	****	0.24	27
CORDELL	2125	4	39.4	31	3	73	20	11	30	793	-87	0	0	0.271	31	-0.64	0.15	27
ELK CITY	2849	4	39.5	31	3	73	20	10	30	790	-103	0	0	0.380	31	-0.31	0.21	28
ERICK	2944	4	39.4	31	3	74	20	9	30	793	-88	0	0	0.312	31	-0.22	0.18	28
GEARY	3497	4	37.5	29*	****	67	19	12	29	798	*****	0	*****	0.000	29	****	0.00	31
HAMMON	3871	4	36.4	31	3	73	20	7	29	886	-92	0	0	0.290	31	-0.39	0.21	28
LEEDEY	5090	4	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.350	31	-0.14	0.35	27
MACKIE	5463	4	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.230	31	****	0.23	28
MORAVIA	6035	4	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.271	31	-0.44	0.22	27
OKEENE	6629	4	39.1	31	3	70	10	10	29	802	-92	0	0	0.060	28	****	0.06	8
RETROP	7565	4	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.320	31	****	0.12	27
REYDON	7579	4	38.1	26*	****	71	16	10	29	700	*****	0	*****	0.000	26	****	0.00	31
SAYRE	7952	4	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.220	31	-0.25	0.20	27
SWEETWATER	8652	4	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.150	31	****	0.15	28
TALOGA	8708	4	36.5	31	2	71	16	8	30	884	-53	0	0	0.324	31	-0.38	0.26	28
THOMAS	8815	4	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.570	31	****	0.31	28
VICI	9172	4	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.381	31	-0.35	0.26	27
WATONGA	9364	4	39.3	31	4	69	19	8	29	796	-123	0	0	0.815	31	-0.13	0.55	27
WEATHERFORD	9422	4	39.2	31	5	73	19	12	29	799	-154	0	0	0.100	31	-0.72	0.05	7

## JANUARY 2000 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY	
					FROM NORM	MAX TEMP												
AMBER	200	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.690	31	****	0.26	27
ARCADIA	288	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.321	29	****	0.15	3
BLANCHARD	830	5	42.7	31	4	72	1	15	31	691	-138	0	0	0.906	31	-0.20	0.32	28
BRISTOW	1144	5	42.3	29*	****	75	12	14	24	659	*****	0	*****	1.260	29	****	0.41	28
CHANDLER	1684	5	40.9	30	4	73	13	12	30	723	-140	0	0	1.180	30	****	0.40	29
CHICKASHA EXP	1750	5	43.1	31	6	74	1	15	30	679	-180	0	0	0.780	31	-0.25	0.21	8
COX CITY	2196	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.420	31	****	0.76	3
CRESCENT	2242	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.110	31	****	0.53	27
CUSHING	2318	5	40.1	31	6	72	2	19	24	773	-183	0	0	0.701	31	-0.43	0.30	27
EDMOND	2788	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.110	31	****	0.55	27
GUTHRIE	3821	5	39.3	25*	****	71	12	12	30	644	*****	0	*****	0.601	28	****	0.50	29
HENNESSEY	4055	5	38.2	25*	****	65	15	11	30	671	*****	0	*****	0.851	28	****	0.47	27
INGALLS	4489	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.790	30	****	0.52	29
KINGFISHER	4861	5	38.7	31	3	71	2	11	29	817	-83	0	0	0.771	31	-0.23	0.39	27
KONAWA	4915	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.670	30	****	0.34	8
MARSHALL	5589	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.780	31	-0.10	0.49	26
MEEKER	5779	5	37.7	31	1	71	13	6	30	847	-30	0	0	0.490	29	****	0.26	9
MULHALL	6110	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.650	31	****	0.30	28
NORMAN NWS	6386	5	40.1	31	2	70	1	11	30	772	-72	0	0	1.273	31	-0.05	0.48	26
OKEMAH	6638	5	48.1	14*	****	74	12	24	4	237	*****	0	*****	2.010	17	****	1.03	3
OKLAHOMA CTY	6659	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.864	31	****	0.38	27
OKLAHOMA CTY	6661	5	40.7	31	5	72	1	15	29	755	-148	0	0	0.755	31	-0.38	0.35	26
PERKINS	7003	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.330	31	-0.84	0.14	8
PIEDMONT	7068	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.870	31	****	0.55	26
PRAGUE	7264	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.250	31	-0.18	0.44	27
SEMINOLE	8042	5	40.9	31	2	74	12	13	29	748	-64	0	0	2.642	31	1.16	1.50	2
SHAWNEE	8110	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.682	31	0.31	0.58	27
STELLA	8479	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.572	31	****	0.57	28
STILLWATER	8501	5	39.4	31	6	73	2	15	24	794	-180	0	0	0.781	31	-0.37	0.33	27
STROUD	8563	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.141	31	****	0.35	28
TROUSDALE	8960	5	41.5	31*	****	74	13	9	31	729	*****	0	*****	2.232	31	****	0.99	3
UNION CITY	9086	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	0.875	31	-0.49	0.31	27
WELTY	9479	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.913	31	****	0.53	28
WEWOKA	9575	5	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.610	31	0.16	0.58	28

## JANUARY 2000 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY	
					FROM NORM	MAX TEMP												
ASHLAND	364	6	****	0*	****	****	0	****	0	*****	*****	*****	*****	2.571	31	****	1.05	3
BEGGS	631	6	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.330	31	****	0.55	28
CALVIN	1391	6	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.500	31	-0.10	1.50	22
CHECOTAH	1711	6	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.961	31	0.33	1.30	3
CLAYTON	1858	6	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.340	31	****	0.72	28
DEWAR	2485	6	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.832	28	****	1.45	3
DUSTIN	2690	6	****	0*	****	****	0	****	0	*****	*****	*****	*****	2.600	31	****	1.47	3
EUFAULA	2993	6	44.6	31	6	74	12	20	29	633	-176	0	0	3.590	31	1.76	1.75	25
HANNA	3884	6	43.3	31	5	76	12	10	30	674	-163	0	0	2.571	31	0.84	1.32	3
HASKELL	3956	6	****	0*	****	****	0	****	0	*****	*****	*****	*****	2.110	31	0.25	0.87	3
HOLDENVILLE	4235	6	41.9	31	4	77	13	9	30	716	-113	0	0	2.503	31	1.09	1.83	3
LAKE EUFAULA	4975	6	41.2	31*	****	73	18	20	30	738	*****	0	*****	1.111	28	****	0.80	3
LYONS	5437	6	****	0*	****	****	0	****	0	*****	*****	*****	*****	2.361	31	0.57	1.31	3
MARBLE CITY	5546	6	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.390	31	****	1.24	3
MCALESTER	5664	6	43.1	31	6	77	12	14	30	680	-170	0	0	1.515	31	-0.47	0.77	3
MCCURTAIN	5693	6	44.6	31	5	76	12	16	31	633	-165	0	0	2.651	31	0.49	1.20	28
MUSKOGEE	6130	6	41.4	31	4	76	12	17	24	733	-126	0	0	2.124	31	0.32	1.32	3
OKMULGEE	6670	6	41.6	27*	****	76	12	11	30	633	*****	0	*****	1.131	25	****	0.90	3
OKTAHA	6678	6	****	0*	****	****	0	****	0	*****	*****	*****	*****	2.380	31	****	1.13	3
SALLISAW	7862	6	42.0	31	4	73	13	21	31	714	-126	0	0	1.790	31	-0.21	0.74	3
SCIPIO	7979	6	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.420	31	****	1.03	3
SHORT	8170	6	****	0*	****	****	0	****	0	*****	*****	*****	*****	1.020	28	****	0.90	3
STILWELL	8506	6	38.5	31	2	70	12	14	31	820	-67	0	0	3.381	31	1.30	1.32	3
TAHLEQUAH	8677	6	41.5	31	5	73	12	14	24	728	-162	0	0	4.061	31	2.05	2.88	3
WEBBERS FALL	9445	6	41.5	31	6	76	13	18	31	729	-192	0	0	2.840	31	1.03	1.56	3
WETUMKA	9571	6	****	0*	****	****	0	****	0	*****	*****	*****	*****	3.562	31	2.07	1.48	28



**JANUARY 2000 SUMMARY FOR SOUTHWEST DIVISION (CD7)**

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ALTUS	179	7	41.2	30	2	74	15	13	29	714	-78	0	0	0.260	31	-0.58	0.11	27
ALTUS DAM	184	7	41.5	31	5	73	16	11	29	729	-159	0	0	0.370	31	-0.40	0.14	28
ANADARKO	224	7	39.2	30	3	71	16	11	29	773	-114	0	0	0.241	30	*****	0.24	3
APACHE	260	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.760	31	-0.34	0.43	3
ALTUS AFB	447	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.030	28	*****	0.03	8
CARNEGIE	1504	7	39.3	31	3	71	19	12	29	797	-78	0	0	0.413	31	-0.52	0.29	26
CHATTANOOGA	1706	7	41.8	30	3	75	2	18	30	696	-119	0	0	0.881	30	*****	0.52	3
DUNCAN 11 W	2668	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.661	31	*****	0.22	26
HEADRICK	3998	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.280	31	*****	0.26	27
HOBART	4204	7	40.2	31	3	73	19	12	29	768	-101	0	0	0.074	31	-0.71	0.03	28
HOLLIS	4249	7	41.6	31	3	76	19	13	29	725	-97	0	0	0.250	31	-0.34	0.11	8
LAWTON	5063	7	41.7	21*	****	73	2	19	29	489	*****	0	*****	1.450	30	*****	0.82	3
LOOKEBA	5329	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.432	31	-0.55	0.43	28
RANDLETT	7403	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.971	31	*****	0.32	3
ROOSEVELT	7727	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.230	31	-0.63	0.09	27
SEDAN	8016	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.250	31	*****	0.23	28
SNYDER	8299	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.361	31	-0.54	0.16	28
VINSON	9212	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.200	31	-0.28	0.20	28
WALTERS	9278	7	42.7	31	3	75	2	19	31	691	-96	0	0	0.570	31	-0.80	0.28	8
WICHITA MT	9629	7	42.1	28*	****	72	16	15	29	642	*****	0	*****	0.230	29	*****	0.23	8
WILLOW	9668	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.290	31	*****	0.24	27

**JANUARY 2000 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)**

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ADA	17	8	42.3	31	3	75	12	11	30	705	-102	0	0	2.630	31	1.17	1.20	3
ALLEN	147	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.450	31	*****	1.45	3
ARDMORE	292	8	46.1	28*	****	79	12	20	30	530	*****	0	*****	2.400	30	*****	0.84	8
ATOKA DAM	394	8	43.3	19*	****	79	13	15	31	413	*****	0	*****	1.930	19	*****	0.85	31
BOKCHITO	917	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.170	31	*****	1.02	27
CANEY	1437	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.310	31	*****	0.92	27
CENTRAHOMA	1648	8	43.2	31*	****	77	13	10	30	677	*****	0	*****	1.600	29	*****	1.10	3
CHICKASAW	1745	8	41.2	30	5	77	13	12	31	714	-164	0	0	1.400	29	****	0.88	3
COLEMAN	2011	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.430	30	*****	0.75	3
COMANCHE	2054	8	44.8	30*	****	73	1	20	30	606	*****	0	*****	1.500	31	0.27	0.75	27
DAISY	2354	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.490	31	0.17	0.85	3
DUNCAN	2660	8	44.6	28*	****	72	13	19	30	571	*****	0	*****	1.800	31	0.61	1.03	3
ELMORE CITY	2872	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.360	31	*****	0.53	3
GRADY	3688	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.960	31	*****	0.73	3
HEALDTON	4001	8	43.5	31	4	77	13	18	31	667	-128	0	0	1.800	31	0.39	0.58	8
HENNEPIN	4052	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.830	31	*****	0.85	3
KETCHUM RAN	4780	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.250	31	*****	0.58	3
KINGSTON	4865	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.251	31	0.30	0.90	26
LEHIGH	5108	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.604	31	*****	0.80	27
LINDSAY	5216	8	39.7	29*	****	71	12	13	29	733	*****	0	*****	1.380	29	*****	0.80	3
LOCO	5247	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.311	31	*****	0.62	3
MADILL	5468	8	43.7	31	3	79	13	17	30	662	-102	0	0	2.320	31	0.47	0.76	8
MARIETTA	5563	8	46.3	31	6	81	13	24	25	581	-172	0	0	1.930	31	0.49	0.77	8
MARLOW	5581	8	44.1	31	6	74	1	12	29	649	-176	0	0	0.970	31	-0.10	0.29	3
MCGEE CREEK	5713	8	43.4	31*	****	77	13	14	31	671	*****	0	*****	2.790	31	*****	0.94	8
PAULS VALLEY	6926	8	40.6	31	2	74	13	12	31	755	-57	0	0	1.520	31	0.05	0.70	3
PONTOTOC	7214	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.771	31	1.23	1.18	2
TISHOMINGO	8884	8	45.3	31	5	79	12	14	30	610	-169	0	0	1.820	31	0.10	0.51	3
TUSSY	9032	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.802	31	*****	0.50	7
WAURIKA	9395	8	45.8	31	5	77	1	19	30	596	-165	0	0	0.780	31	-0.32	0.40	7

**JANUARY 2000 SUMMARY FOR SOUTHEAST DIVISION (CD9)**

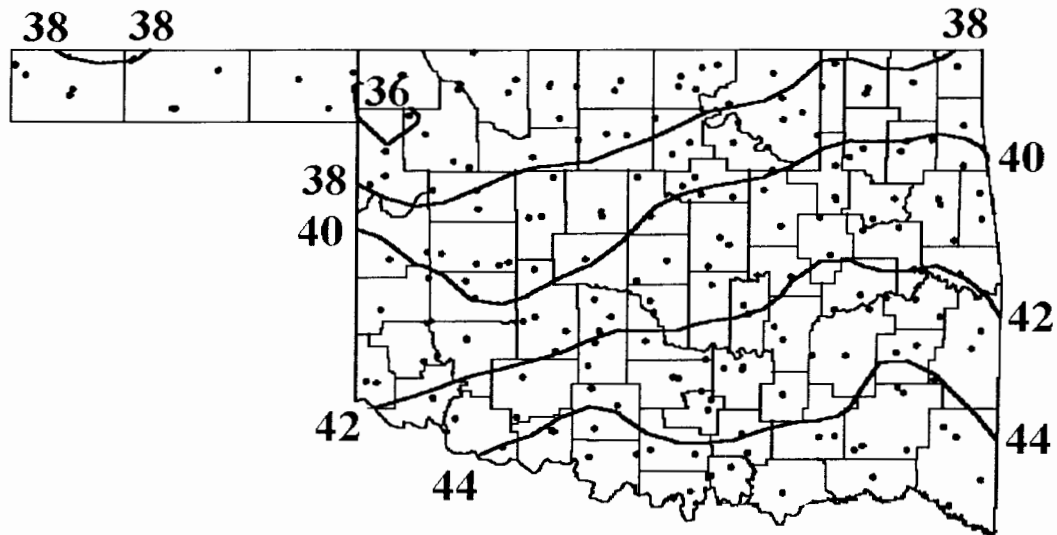
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	44.6	31	4	76	12	8	30	633	-136	0	0	0.120	31	-1.92	0.05	3
BATTIEST	567	9	46.9	31*	****	76	13	17	31	562	*****	0	*****	2.040	31	*****	1.00	8
BENGAL	670	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.820	31	*****	1.64	3
BROKEN BOW	1162	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	3.351	31	0.79	1.12	8
CARNASAW	1499	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.852	31	0.03	1.06	8
CARTER TWR	1544	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	3.450	31	0.86	1.45	28
FANSHAWE	3065	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.380	31	0.20	1.17	3
HEAVENER	4008	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.010	31	-0.15	1.30	3
IDABEL	4451	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.160	28	*****	0.14	4
PAGE	6842	9	43.7	28*	****	74	13	15	31	597	*****	0	*****	0.380	28	*****	0.38	8
POTEAU	7254	9	42.2	31*	****	73	12	17	31	708	*****	0	*****	1.551	31	*****	1.30	2
SMITHVILLE	8285	9	33.2	12*	****	76	1	4	30	382	*****	0	*****	1.330	14	*****	0.88	28
SPIRO	8416	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.790	31	-0.29	1.05	3
TUSKAHOMA	9023	9	45.0	31	5	77	12	8	30	622	-144	1	1	2.502	31	0.48	0.88	28
VALLIANT	9118	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	3.140	31	0.83	1.20	8
WILBURTON	9634	9	43.3	31	5	75	12	11	30	674	-151	0	0	1.520	31	-0.72	0.65	3
WISTER	9724	9	42.0	31*	****	76	13	16	31	713	*****	0	*****	2.560	31	*****	1.75	3

**JANUARY 2000 CLIMATE DIVISION SUMMARY**

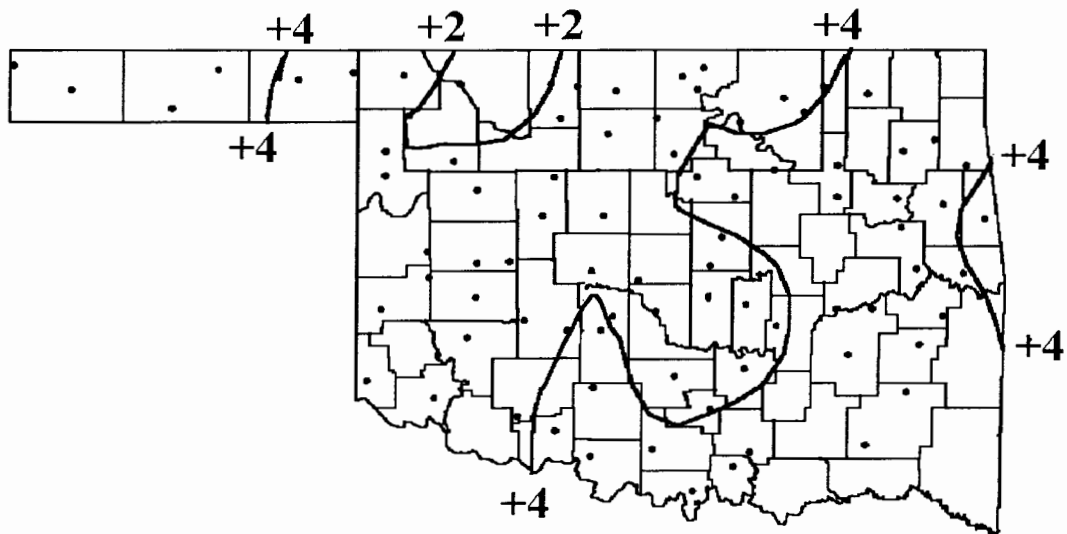
CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
1	37.1	9	4	77	1	5	29	857	-136	0	0	0.460	13	0.06	1.95	27
2	36.2	14	3	76	1	1	28	891	-84	0	0	0.660	23	-0.13	1.18	27
3	39.6	13	5	75	12	9	24	781	-158	0	0	0.790	19	-0.68	1.30	3
4	38.5	9	3	74	20	4	30	820	-96	0	0	0.340	17	-0.36	0.55	27
5	40.5	11	4	75	12	6	30	757	-121	0	0	1.150	25	-0.07	1.50	2
6	42.1	11	5	77	12	9	30	709	-151	0	0	2.340	22	0.55	2.88	3
7	41.0	8	3	76	19	11	29	736	-114	0	0	0.400	16	-0.52	0.82	3
8	43.7	12	5	81	13	10	30	657	-143	0	0	1.810	24	0.29	1.45	3
9	44.0	6	5	77	12	4	30	652	-139	0	0	2.290	14	-0.10	1.75	3

### MESONET MONTHLY SUMMARY FOR JANUARY 2000

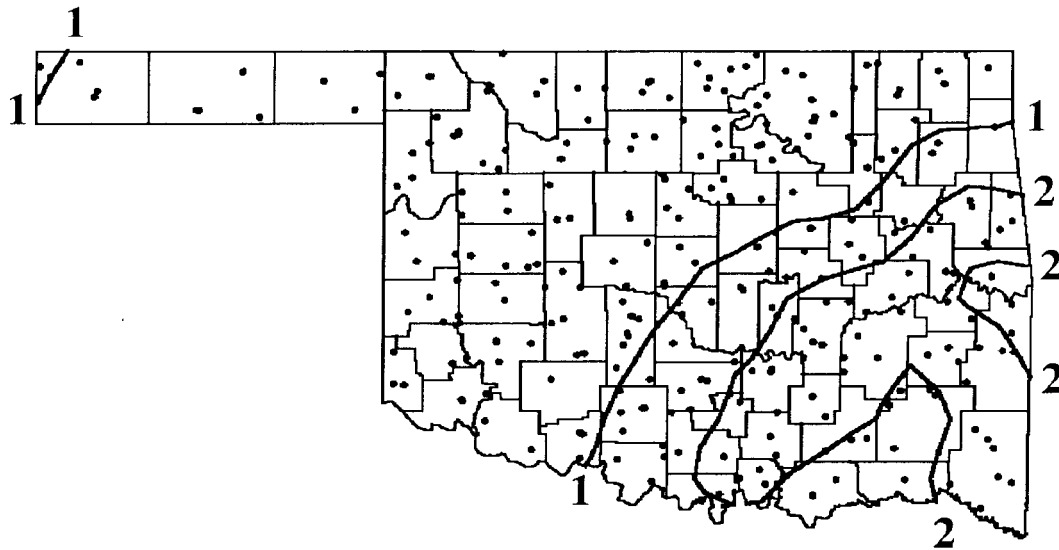
NAME	MEAN MAX		MIN		TOT MAX				NAME	MEAN MAX		MIN		TOT MAX							
	TEMP	TEMP	DAY	TEMP	DAY	HDD	CDD	PPT		24-HR	DAY	TEMP	TEMP	DAY	TEMP	DAY	HDD	CDD	PPT	24-HR	DAY
PANHANDLE																					
Arnett	38.4	75	20	6	29	825	0	0.26	0.16	30	Goodwell	37.4	75	20	9	28	855	0	0.20	0.15	29
Beaver	37.0	73	1	5	29	868	0	0.20	0.09	29	Hooker	36.0	73	20	7	29	898	0	0.21	0.09	29
Boise City	36.0	73	15	6	28	900	0	0.40	0.22	31	Kenton	36.6	71	15	9	28	879	0	0.39	0.19	29
Buffalo	35.8	76	1	3	29	904	0	0.13	0.06	4	Slapout	37.0	73	1	10	29	812	0	0.27	0.12	29
NORTH CENTRAL																					
Alva	36.1	75	20	8	29	895	0	0.69	0.24	23	May Ranch	37.2	73	20	11	31	860	0	0.09	0.08	23
Blackwell	37.2	71	1	13	24	863	0	0.48	0.14	3	Medford	36.3	71	20	9	29	890	0	0.31	0.13	30
Breckenridge	38.3	72	20	14	24	775	0	0.19	0.12	8	Newkirk	37.3	70	1	13	24	858	0	0.42	0.16	31
Cherokee	36.2	74	20	8	29	893	0	0.25	0.11	30	Red Rock	38.9	73	20	14	24	810	0	0.73	0.28	31
Fairview	37.9	77	20	9	30	840	0	0.21	0.09	31	Seiling	37.8	77	20	4	29	842	0	0.35	0.18	30
Freedom	36.8	73	20	4	29	873	0	0.28	0.15	23	Woodward	38.2	74	1	5	29	803	0	0.10	0.06	30
Lahoma	36.9	74	20	9	30	870	0	0.23	0.10	23											
NORTHEAST																					
Bixby	41.1	77	20	15	24	742	0	0.87	0.45	3	Nowata	37.5	72	20	11	24	852	0	0.72	0.32	3
Burbank	38.2	73	1	11	24	830	0	0.82	0.23	8	Pawnee	39.9	73	1	12	24	779	0	0.71	0.36	31
Catoosa	40.9	75	20	14	24	747	0	0.71	0.37	3	Porter	42.4	75	12	18	24	700	0	1.60	0.99	3
Claremore	40.3	75	12	13	24	766	0	0.71	0.45	3	Pryor	39.2	74	12	12	24	801	0	0.90	0.49	3
Copan	38.7	70	20	13	24	763	0	0.61	0.26	31	Skiatook	40.1	73	20	13	24	770	0	0.74	0.35	31
Foraker	37.5	71	1	12	24	852	0	0.74	0.32	31	Vinita	37.7	71	12	11	24	845	0	0.84	0.42	3
Jay	39.4	72	12	11	24	793	0	0.82	0.60	3	Wynona	39.0	73	20	12	24	780	0	0.79	0.33	31
Miami	38.3	70	12	11	31	828	0	0.78	0.54	3											
WEST CENTRAL																					
Bessie	41.3	78	20	12	29	735	0	0.39	0.20	30	Putnam	39.4	76	20	9	29	794	0	0.30	0.19	30
Butler	41.7	81	20	14	24	653	0	0.17	0.14	30	Retrop	41.5	78	20	11	29	728	0	0.28	0.14	29
Camargo	37.4	76	20	5	29	855	0	0.29	0.13	30	Watonga	39.8	76	20	10	29	756	0	0.31	0.24	31
Cheyenne	42.6	77	20	17	4	627	0	0.18	0.16	30	Weatherford	39.4	78	20	10	29	768	0	0.30	0.16	30
Erick	41.1	77	20	13	4	670	0	0.05	0.05	30											
CENTRAL																					
Acme	43.0	79	20	16	24	683	0	0.87	0.31	30	Minco	40.8	79	20	13	29	749	0	1.00	0.43	31
Bowlegs	42.1	77	20	11	30	709	0	1.55	0.63	3	Ninnekah	42.5	77	20	15	30	698	0	0.69	0.30	30
Bristow	40.7	77	20	14	24	754	0	0.98	0.47	3	Norman	41.5	78	20	15	24	728	0	0.40	0.16	3
Chandler	41.6	77	20	12	30	724	0	1.03	0.38	31	Oilton	39.3	75	20	10	24	797	0	0.80	0.34	3
Chickasha	41.7	80	20	14	24	723	0	0.71	0.27	30	Okemah	42.1	74	12	11	30	709	0	1.42	0.87	3
El Reno	39.4	79	20	11	29	794	0	0.55	0.29	31	Perkins	40.8	75	20	14	29	749	0	0.71	0.25	31
Guthrie	40.5	75	20	12	29	761	0	0.78	0.33	31	Shawnee	41.6	75	20	13	30	725	0	1.06	0.29	3
Kingfisher	38.5	76	20	8	29	822	0	0.19	0.10	8	Spencer	41.7	77	20	14	30	723	0	0.96	0.47	31
Marena	40.2	74	20	14	24	770	0	0.94	0.44	31	Stillwater	39.6	74	20	12	29	787	0	0.82	0.29	31
Marshall	39.2	75	20	8	30	773	0	0.71	0.27	8	Washington	43.0	77	20	15	30	681	0	1.05	0.34	31
EAST CENTRAL																					
Calvin	42.7	78	20	9	30	690	0	2.55	1.62	3	Sallisaw	42.7	75	12	19	24	692	0	1.31	0.66	3
Cookson	41.7	74	12	13	24	722	0	1.57	0.98	3	Stigler	42.5	75	12	15	29	697	0	1.39	0.78	3
Eufaula	43.5	76	20	17	30	667	0	1.64	1.04	3	Stuart	43.8	76	12	12	30	657	0	2.06	1.06	3
Haskell	41.3	74	12	15	29	736	0	1.99	1.11	3	Tahlequah	40.8	72	12	14	24	750	0	2.46	2.08	3
Hectorville	42.7	76	20	18	24	690	0	0.73	0.32	3	Webbers Falls	42.8	75	12	17	31	688	0	1.84	1.07	3
McAlester	43.4	77	20	11	30	669	0	1.81	0.81	3	Westville	41.1	71	12	14	31	717	0	1.63	1.39	3
Okmulgee	41.7	76	12	10	30	722	0	2.29	1.63	3											
SOUTHWEST																					
Altus	42.6	75	20	13	29	693	0	0.26	0.18	29	Hollis	41.5	76	1	13	29	729	0	0.17	0.12	29
Apache	41.9	76	20	15	29	717	0	0.77	0.31	30	Mangum	40.9	76	20	11	29	748	0	0.29	0.19	29
Fort Cobb	41.4	78	20	12	29	731	0	0.41	0.30	30	Medicine Park	43.4	77	20	17	29	668	0	0.61	0.23	29
Grandfield	44.4	80	20	19	24	639	0	0.77	0.27	3	Tipton	43.5	80	20	17	24	665	0	0.21	0.17	29
Hinton	40.1	78	20	12	29	771	0	0.40	0.21	30	Walters	44.1	78	20	18	29	647	0	0.79	0.26	3
Hobart	41.0	75	20	12	29	744	0	0.25	0.12	29											
SOUTH CENTRAL																					
Ada	43.2	80	20	9	30	675	0	2.34	1.25	3	Madill	46.3	83	20	18	30	580	0	2.29	0.83	7
Ardmore	45.5	82	20	17	30	604	0	2.78	1.08	3	Pauls Valley	44.0	79	20	14	29	652	0	1.96	1.02	3
Burneyville	45.8	84	20	17	30	596	0	1.85	0.62	3	Ringling	45.4	78	20	17	29	607	0	1.87	0.76	3
Byars	43.5	77	20	14	29	668	0	2.27	0.95	3	Sulphur	43.6	78	20	11	30	663	0	1.70	0.60	3
Centrahoma	43.1	79	12	8	30	678	0	2.16	1.01	3	Tishomingo	43.7	80	20	11	30	638	0	2.13	0.70	3
Durant	46.2	78	20	18	30	581	0	1.78	0.58	7	Vanoss	43.4	80	20	9	30	668	0	1.68	0.54	3
Ketchum Ranch	44.4	77	20	17	29	637	0	1.29	0.58	3	Waurika	45.9	80	20	19	30	572	0	1.09	0.33	7
Lane	44.4	77	12	10	30	637	0	1.64	0.54	31											
SOUTHEAST																					
Antlers	44.1	78	12	6	30	649	0	****	****	**	Idabel	45.7	77	12	8	30	600	2	1.59	0.59	7
Broken Bow	45.1	78	20	7	30	617	0	2.22	0.56	8	Mt Herman	43.5	74	12	9	30	665	0	1.84	0.55	8
Clayton	44.4	77	12	15	30	639	0	1.96	0.90	3	Talihina	44.1	75	12	9	30	647	0	1.79	0.69	3
Cloudy	44.8	76	12	10	30	627	0	1.89	0.53	7	Wilburton	44.6	76	12	10	30	591	0	1.94	0.97	3
Hugo	46.3	77	12	13	30	582	2	1.44	0.54	7	Wister	42.3	76	12	14	31	679	0	2.40	1.66	3



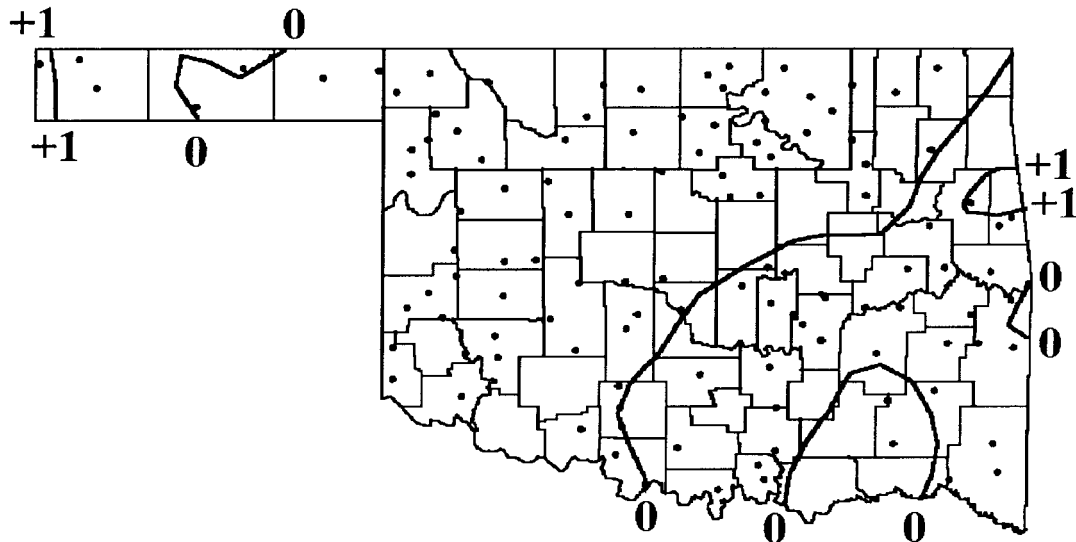
**JANUARY 2000 AVERAGE MONTHLY TEMPERATURE (F)**



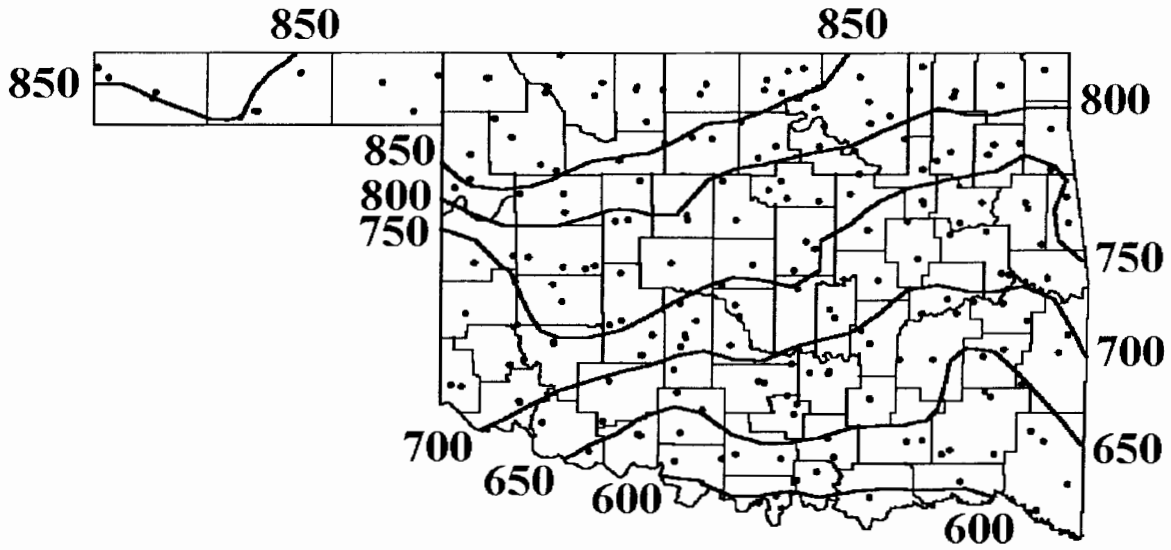
**JANUARY 2000 DEPARTURE FROM NORMAL TEMPERATURE (F)**



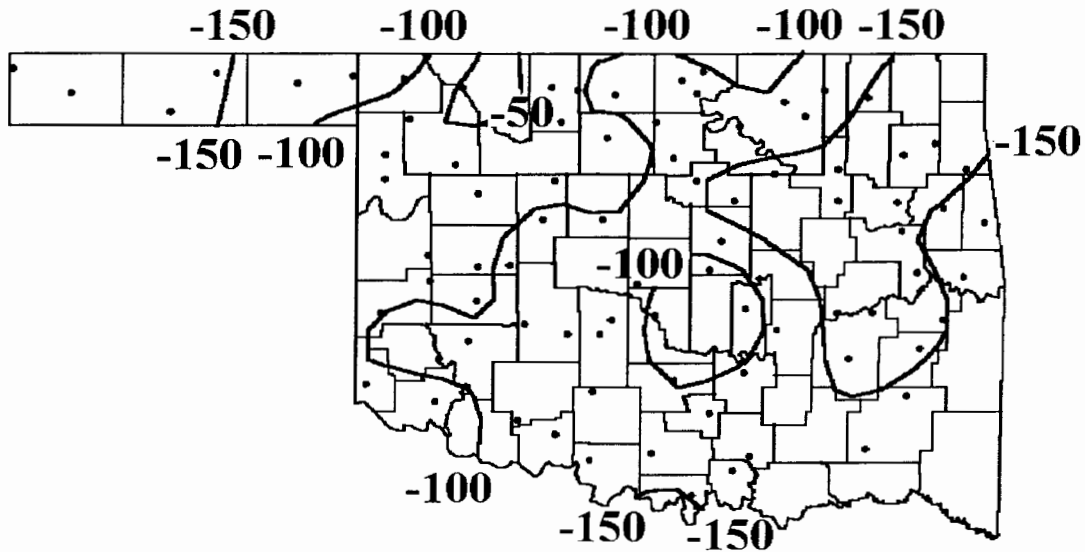
**JANUARY 2000 TOTAL PRECIPITATION (INCHES)**



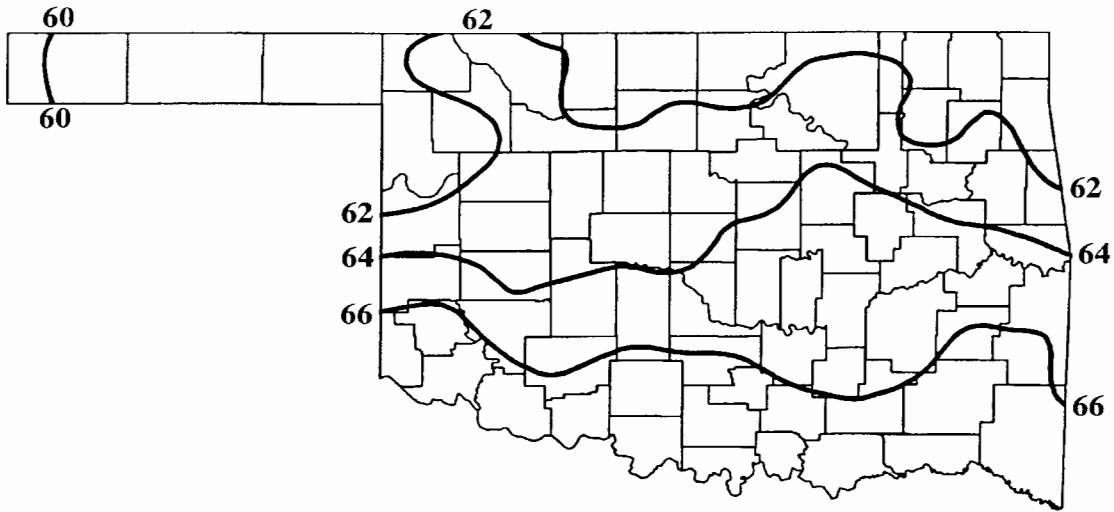
**JANUARY 2000 DEPARTURE FROM NORMAL PRECIPITATION (INCHES)**



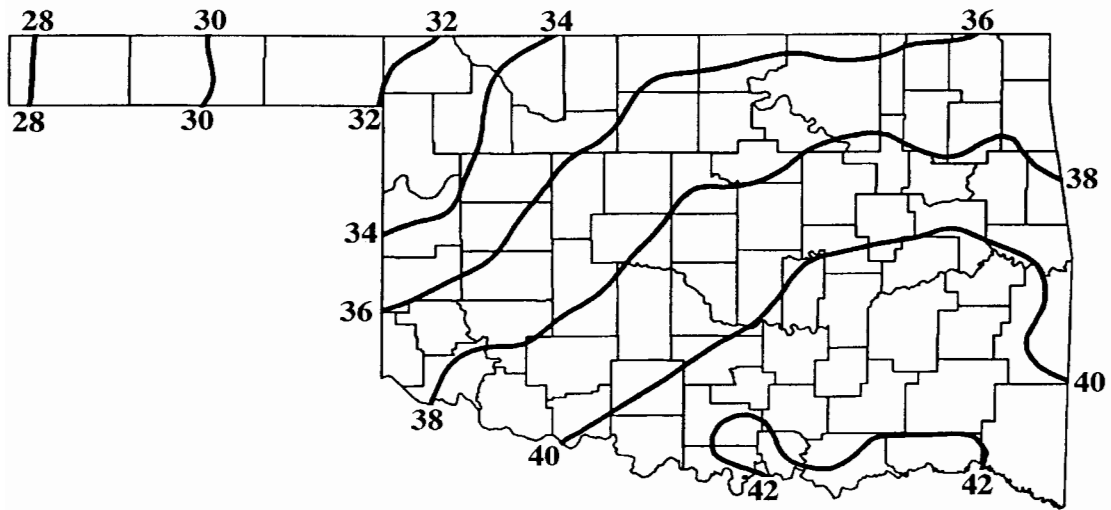
**JANUARY 2000 ACCUMULATED HEATING DEGREE DAYS (F)**



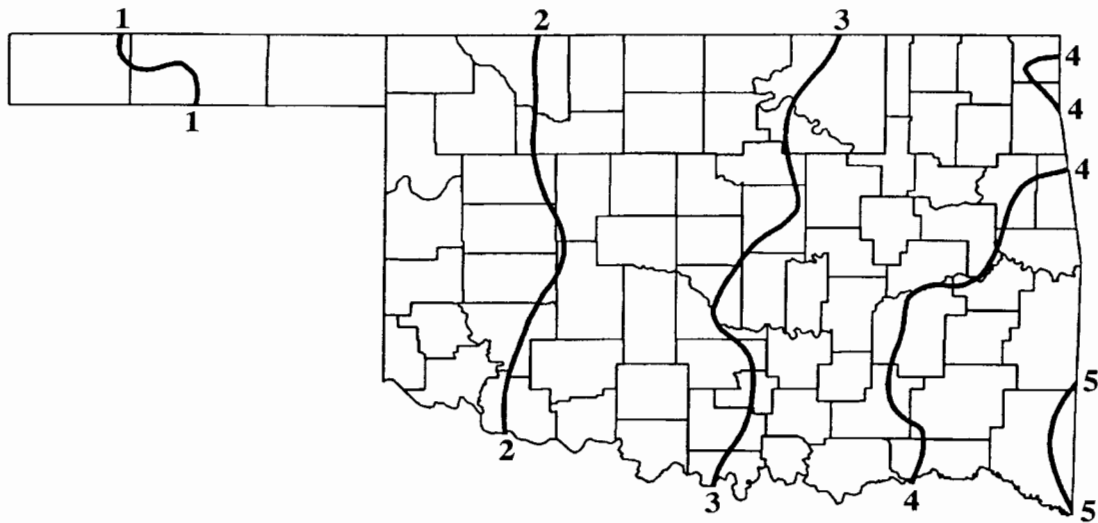
**JANUARY 2000 DEPARTURE FROM NORMAL HEATING DEGREE DAYS (F)**



**MARCH NORMAL DAILY MAXIMUM TEMPERATURE (F)**



**MARCH NORMAL DAILY MINIMUM TEMPERATURE (F)**



**MARCH NORMAL MONTHLY PRECIPITATION (INCHES)**

**OUTLOOK FOR MARCH 2000 THROUGH MAY 2000**

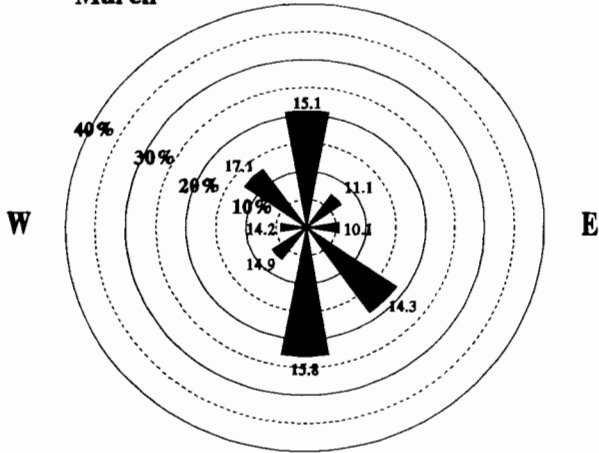
**BASED ON SEASONAL OUTLOOK PROVIDED BY THE CLIMATE PREDICTION CENTER**

**TEMPERATURE: ABOVE NORMAL TEMPERATURE STATEWIDE**

**PRECIPITATION: BELOW NORMAL PRECIPITATION STATEWIDE**

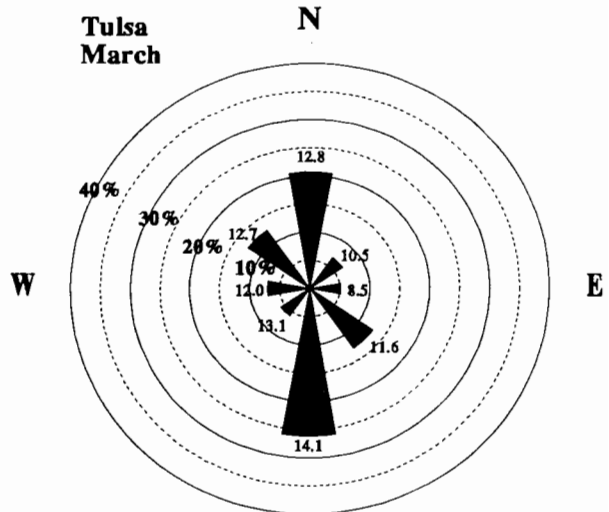


Oklahoma City  
March



Calm=1.2%  
Mean Speed= 14.6 mph

Tulsa  
March



Calm=3.3%  
Mean Speed= 12.1 mph

**March 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.

**MARCH SUNRISE/SUNSET TIMES FOR 2000**

ALL TIMES ARE CENTRAL STANDARD TIME

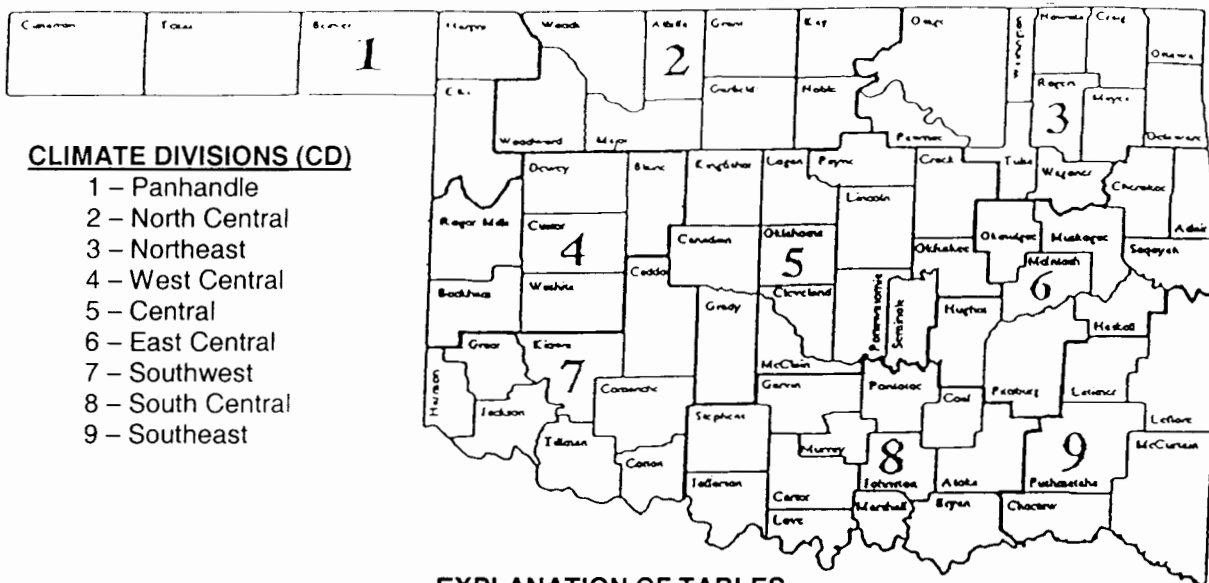
**OKLAHOMA CITY**

DATE	SUNRISE	SUNSET
3/1/00	659	1826
3/2/00	658	1827
3/3/00	657	1828
3/4/00	655	1829
3/5/00	654	1829
3/6/00	653	1830
3/7/00	651	1831
3/8/00	650	1832
3/9/00	649	1833
3/10/00	647	1834
3/11/00	646	1835
3/12/00	644	1836
3/13/00	643	1836
3/14/00	642	1837
3/15/00	640	1838
3/16/00	639	1839
3/17/00	637	1840
3/18/00	636	1841
3/19/00	635	1841
3/20/00	633	1842
3/21/00	632	1843
3/22/00	630	1844
3/23/00	629	1845
3/24/00	627	1846
3/25/00	626	1846
3/26/00	625	1847
3/27/00	623	1848
3/28/00	622	1849
3/29/00	620	1850
3/30/00	619	1850
3/31/00	618	1851

**TULSA**

DATE	SUNRISE	SUNSET
3/1/00	653	1819
3/2/00	652	1820
3/3/00	651	1821
3/4/00	649	1822
3/5/00	648	1823
3/6/00	647	1824
3/7/00	645	1825
3/8/00	644	1825
3/9/00	643	1826
3/10/00	641	1827
3/11/00	640	1828
3/12/00	638	1829
3/13/00	637	1830
3/14/00	635	1831
3/15/00	634	1832
3/16/00	633	1832
3/17/00	631	1833
3/18/00	630	1834
3/19/00	628	1835
3/20/00	627	1836
3/21/00	625	1837
3/22/00	624	1838
3/23/00	622	1838
3/24/00	621	1839
3/25/00	620	1840
3/26/00	618	1841
3/27/00	617	1842
3/28/00	615	1843
3/29/00	614	1844
3/30/00	612	1844
3/31/00	611	1845

# OKLAHOMA



**CLIMATE DIVISIONS (CD)**

- 1 - Panhandle
- 2 - North Central
- 3 - Northeast
- 4 - West Central
- 5 - Central
- 6 - East Central
- 7 - Southwest
- 8 - South Central
- 9 - Southeast

**EXPLANATION OF TABLES**

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

**Station Name:**

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

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

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

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

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

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

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

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 MARCH

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	1999	Avg. Low	Highest Min	Year	Record Low	Year	1999	Avg. Ppt.	Greatest Ppt.	Year	1999
1	45	57	85	1976	20	1980		34	56	1940	4	1913		0.08	1.71	1948	
2	46	57	88	1904	23	1943		34	62	1976	6	1922		0.08	2.04	1988	
3	46	57	84	1955	18	1960		34	59	1992	3	1960		0.08	1.46	1985	
4	46	58	84	1938	18	1960		35	60	1938	8	1960		0.08	0.67	1933	
5	46	58	91	1991	24	1920		35	59	1921	10	1960		0.08	2.13	1894	
6	47	58	83	1974	21	1943		35	58	1911	8	1943		0.08	1.45	1973	
7	47	59	83	1925	22	1932		35	61	1974	7	1920		0.09	1.33	1905	
8	48	59	84	1911	26	1932		36	60	1897	9	1967		0.09	1.82	1994	
9	48	60	89	1911	29	1932		36	61	1986	11	1932		0.09	0.88	1913	
10	48	60	89	1955	26	1932		36	61	1990	4	1948		0.09	1.48	1974	
11	49	60	93	1967	16	1948		37	61	1911	1	1948		0.09	2.16	1902	
12	49	61	90	1967	27	1950		37	59	1972	4	1948		0.09	1.81	1999	
13	49	61	90	1967	34	1924		37	66	1918	14	1950		0.09	1.39	1922	
14	50	61	84	1996	26	1895		38	56	1955	13	1895		0.09	1.04	1990	
15	50	62	84	1943	28	1892		38	58	1919	13	1895		0.09	2.34	1944	
16	50	62	84	1908	28	1892		38	56	1945	18	1895		0.09	1.71	1998	
17	51	62	91	1908	24	1892		39	59	1992	11	1892		0.09	0.85	1905	
18	51	63	89	1907	30	1965		39	62	1898	9	1923		0.09	0.52	1998	
19	51	63	97	1907	26	1965		39	63	1921	10	1923		0.09	1.73	1903	
20	52	63	92	1907	33	1913		40	64	1935	12	1965		0.09	2.18	1985	
21	52	64	95	1916	29	1955		40	64	1907	16	1913		0.09	1.23	1921	
22	52	64	89	1995	33	1913		40	63	1907	13	1955		0.09	1.37	1979	
23	53	64	88	1929	36	1974		41	64	1907	20	1898		0.09	2.35	1984	
24	53	65	91	1929	30	1990		41	64	1904	23	1965		0.09	1.82	1920	
25	53	65	88	1976	33	1964		42	64	1907	18	1955		0.09	1.65	1922	
26	54	66	85	1972	33	1937		42	67	1907	13	1955		0.09	2.02	1938	
27	54	66	90	1895	32	1899		42	68	1907	13	1913		0.09	2.09	1912	
28	54	66	88	1928	36	1931		43	62	1985	16	1931		0.09	2.84	1988	
29	55	67	87	1895	34	1987		43	65	1963	19	1894		0.09	0.99	1897	
30	55	67	88	1904	28	1926		43	65	1895	22	1987		0.08	1.82	1963	
31	56	67	94	1940	40	1901		44	62	1967	20	1926		0.08	1.29	1988	
MONTH	50.3	62	97	1907	16	1948		38.5	68	1907	1	1948		2.71	2.84	1988	

\*The most tornadoes reported in MARCH for Oklahoma was (17) in 1991.

TULSA CLIMATE CALENDAR  
 DATA COURTESY OF NATIONAL WEATHER SERVICE NORMAN  
**MONTH MARCH**

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	1999	Avg. Low	Highest Min	Year	Record Low	Year	1999	Avg. Ppt.	Greatest Ppt.	Year	1999
1	47	58	79	1992	25	1980		36	63	1976	13	1962		0.12	1.07	1973	
2	47	59	84	1983	30	1960		36	65	1976	9	1980		0.12	1.45	1988	
3	48	59	79	1955	30	1960		36	65	1974	11	1960		0.12	0.94	1973	
4	48	59	84	1961	25	1960		37	62	1967	13	1978		0.12	2.11	1959	
5	48	60	89	1991	25	1989		37	62	1956	14	1960		0.13	1.21	1957	
6	49	60	86	1956	30	1989		37	64	1974	15	1989		0.13	1.02	1973	
7	49	60	84	1992	36	1996		38	66	1974	11	1989		0.13	1.12	1978	
8	49	61	85	1993	31	1996		38	67	1974	14	1967		0.13	1.79	1994	
9	50	61	85	1993	39	1964		38	64	1974	10	1996		0.13	0.64	1964	
10	50	61	89	1955	39	1975		39	65	1990	18	1964		0.13	3.07	1974	
11	50	62	93	1967	39	1998		39	66	1967	21	1998		0.13	1.69	1968	
12	51	62	92	1967	38	1958		39	66	1967	20	1998		0.13	1.86	1999	
13	51	63	90	1967	34	1975		40	64	1967	21	1968		0.13	1.38	1972	
14	52	63	87	1967	40	1962		40	61	1996	11	1975		0.13	2.02	1990	
15	52	63	83	1961	42	1956		40	57	1961	21	1962		0.13	1.13	1998	
16	52	64	83	1982	43	1960		41	61	1987	23	1962		0.13	2.12	1970	
17	52	64	81	1982	38	1970		41	58	1982	23	1982		0.13	1.61	1987	
18	53	64	83	1974	36	1965		41	67	1982	22	1960		0.13	0.82	1984	
19	53	65	86	1994	29	1965		42	60	1976	21	1965		0.13	1.64	1979	
20	54	65	85	1994	40	1983		42	60	1994	12	1965		0.14	2.19	1968	
21	54	65	84	1995	41	1968		43	62	1966	21	1965		0.13	0.81	1956	
22	54	66	90	1995	43	1968		43	61	1995	20	1955		0.13	1.60	1966	
23	55	66	84	1994	48	1968		43	61	1988	24	1968		0.13	2.85	1969	
24	55	66	81	1954	32	1965		44	60	1954	25	1974		0.13	1.93	1973	
25	55	67	81	1963	32	1965		44	60	1998	20	1955		0.13	1.49	1961	
26	56	67	80	1998	32	1955		44	69	1991	15	1955		0.13	2.74	1977	
27	56	67	88	1956	41	1996		45	60	1981	18	1955		0.13	3.21	1977	
28	56	68	88	1987	49	1959		45	70	1985	28	1955		0.13	1.20	1989	
29	57	68	89	1967	36	1975		45	66	1998	28	1975		0.13	4.03	1985	
30	57	69	83	1974	39	1954		46	66	1963	24	1975		0.13	1.22	1961	
31	58	69	94	1974	47	1961		46	66	1967	24	1987		0.13	1.88	1968	
<b>MONTH</b>	52.2	63.6	94	1974	25	1989		40.8	70	1985	9	1980		0.13	4.03	1985	

\*The average number of tornadoes reported in **March** for Oklahoma is **3.6**.