

# JANUARY 2001

## OKLAHOMA MONTHLY CLIMATE SUMMARY



*Oklahoma Climatological Survey*

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**Oklahoma Climatological Survey**

## MONTHLY SUMMARY FOR JANUARY 2001

### **January 2001**

*Statewide average temperature = 35.5° F*

*Statewide average rainfall = 2.26 inches*

January began wet and cold with a major winter storm clearing the state and then ended much the same way. A third major winter blast about mid-month ensured that January 2001 would be recorded as a wet, cold month. The state received a statewide-averaged precipitation total of 2.26 inches, comprised of various combinations of snow, rain, sleet, and freezing rain or drizzle. The month's precipitation, which was exactly one inch greater than normal, ranks as the 18th greatest January precipitation total of the 110 such totals on record. Temperatures were near-to-slightly-above normal in the northwest, but substantially colder weather in the rest of the state produced a statewide-averaged temperature of 35.5 degrees, 0.9 degrees lower than normal, making this the 27th coldest January since 1892.

Winter 2000-2001 remains among the coldest experienced in Oklahoma's recorded climate history. December and January combined to produce an average temperature of 33.2 degrees statewide (4.8 degrees lower than normal), establishing this as the 4th coldest such period on record. When the early onset of cold weather in November is taken into account, the current cold-season, with its 3-month average temperature of 36.5 degrees (5.3 degrees less than normal), is the coldest November-January period ever recorded in the state. The December-January string of winter storms produced a two-month statewide precipitation total of 4.21 inches, 1.28 inches greater than normal and the 26th greatest December-January precipitation on record.

### **January Normals**

*Statewide average temperature = 36.4° F*

*Statewide average rainfall = 1.26 inches*

A winter storm that crossed most of the state on the last day of December completed its traverse of the state on New Years Day. Snowfall amounts reported on the morning of the 1st included 13 inches at the Wichita Mountains Wildlife Refuge (Comanche County), 7 inches at Eufaula (McIntosh), and 6 inches at Carter Tower (McCurtain) and Meeker (Lincoln). Reports of 5 inches of snow were received from several other locations across the state, including Fargo (Ellis) in the northwest and Valliant and Hochatown (both McCurtain) in the southeast. Sub-zero temperatures were recorded in eastern Oklahoma, over the snowfield, most notably at Pawhuska (Osage) and Bartlesville (Washington, but weather station in Osage County) each with -8 degrees reported on the 2nd.

**(Continued on page 3.)**

The second winter storm dumped heavy snow in Cimarron County on the 16th and 17th, including a reported 20 inches at Kenton, 9 inches at Regnier, and 8 inches at Boise City. Snowfall totals tapered off towards the southeast with one-inch totals reported as far to the southeast as Duncan (Stephens). Temperatures stayed above freezing in the southeast where light rain was reported, but other parts of the state reported a winter-mix that included sleet and freezing rain. Kenton recorded consecutive daily minimum temperatures of 1, 0, and -8 degrees from the 18th through the 20th.

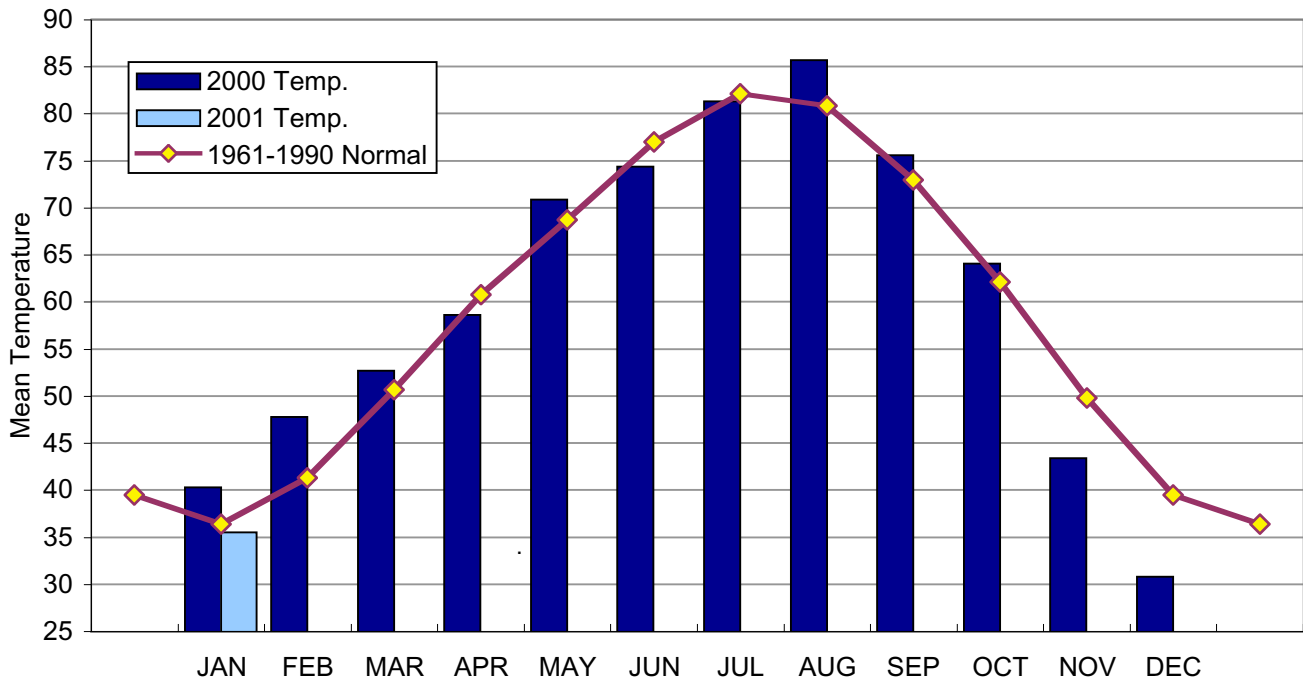
Heavy snowfall with the third major winter storm of the month (reports from the 27th and 28th) was confined to the northwestern one-third of the state: 12 inches at Mackie (Roger Mills), Boise City, and Kenton and 9 inches at Regnier, Hooker (Texas), Beaver (Beaver), and Turpin (Beaver). Sleet and freezing rain, frequently mixed with snow, were reported through central portions, and rain fell elsewhere. Precipitation events in excess of 2.50 inches were common, led by 3.00 inches at Pryor (Mayes), 2.80 inches at Allen (Pontotoc), and 2.79 inches at Chelsea (Rogers).

Howard L. Johnson  
Associate State Climatologist

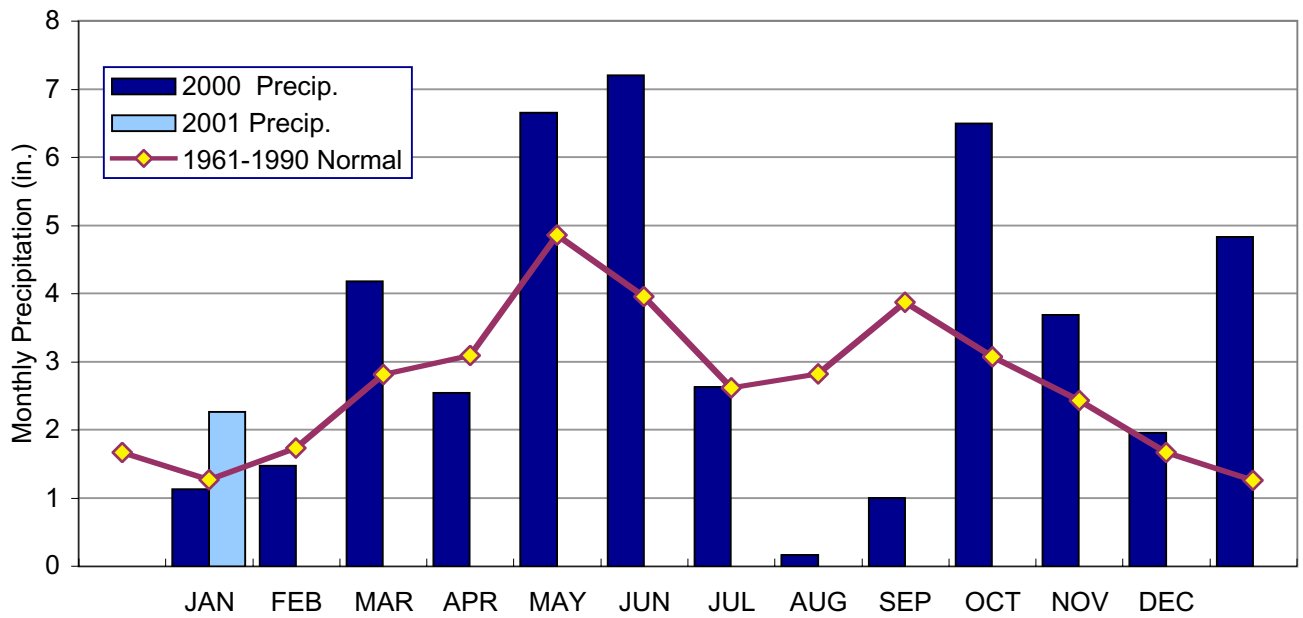
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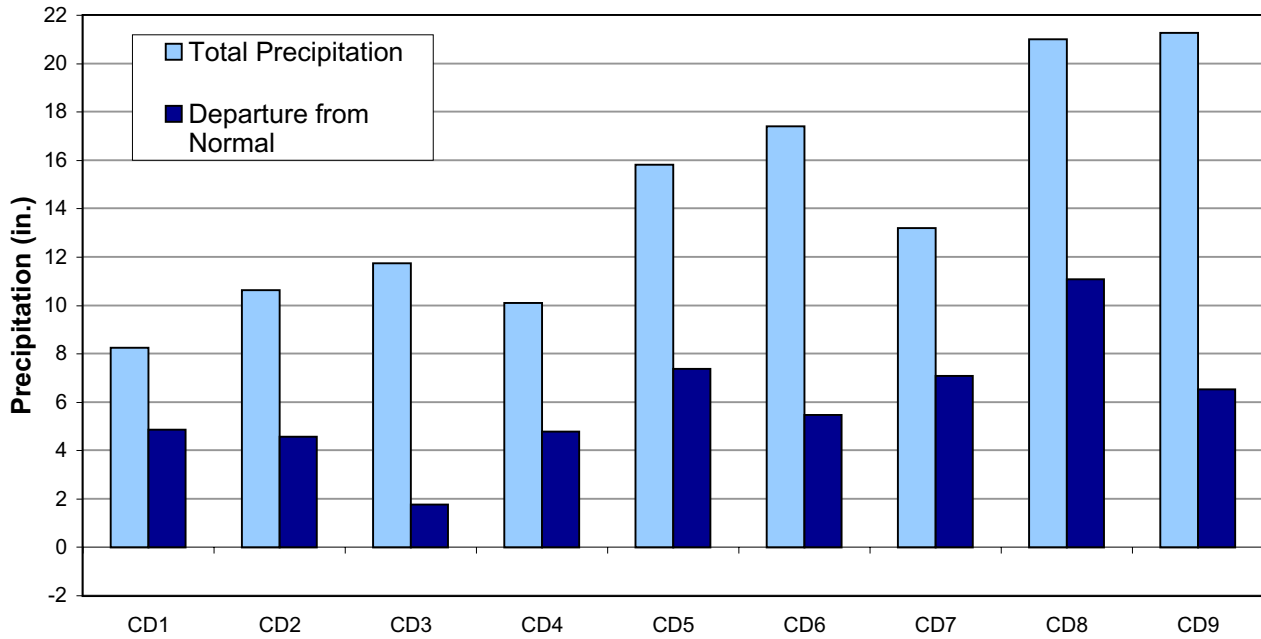
## 2000 AND 2001 STATEWIDE TEMPERATURES - MONTHLY AVERAGES



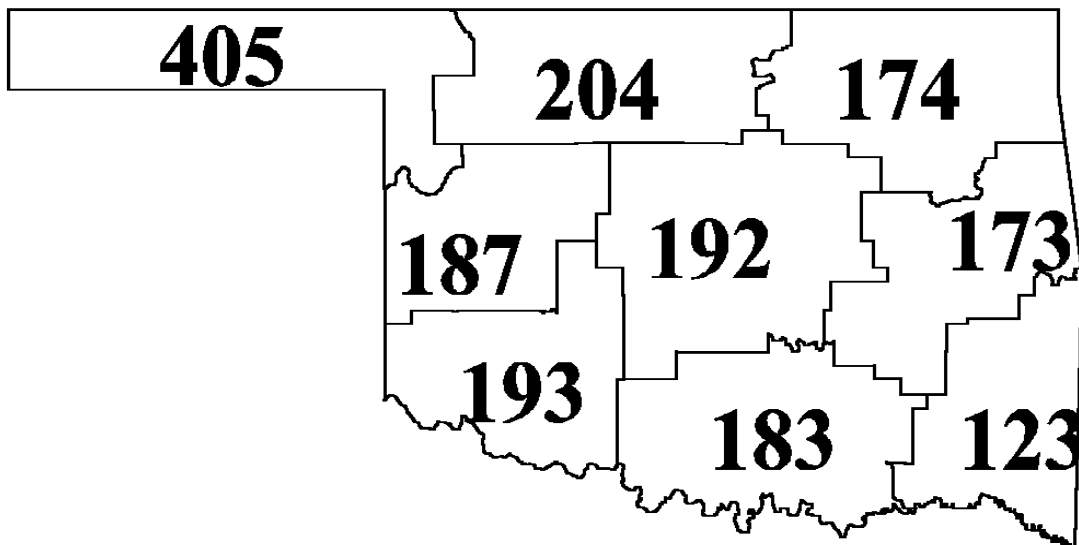
## 2000 AND 2001 STATEWIDE PRECIPITATION - MONTHLY TOTALS



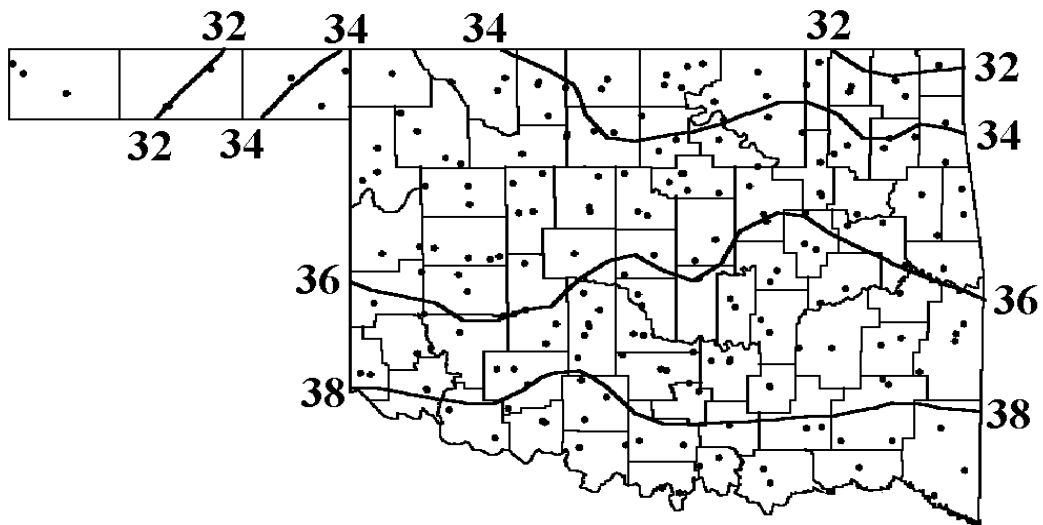
**CLIMATE DIVISION AVERAGED PRECIPITATION - OCTOBER 2000 THROUGH JANUARY 2001**



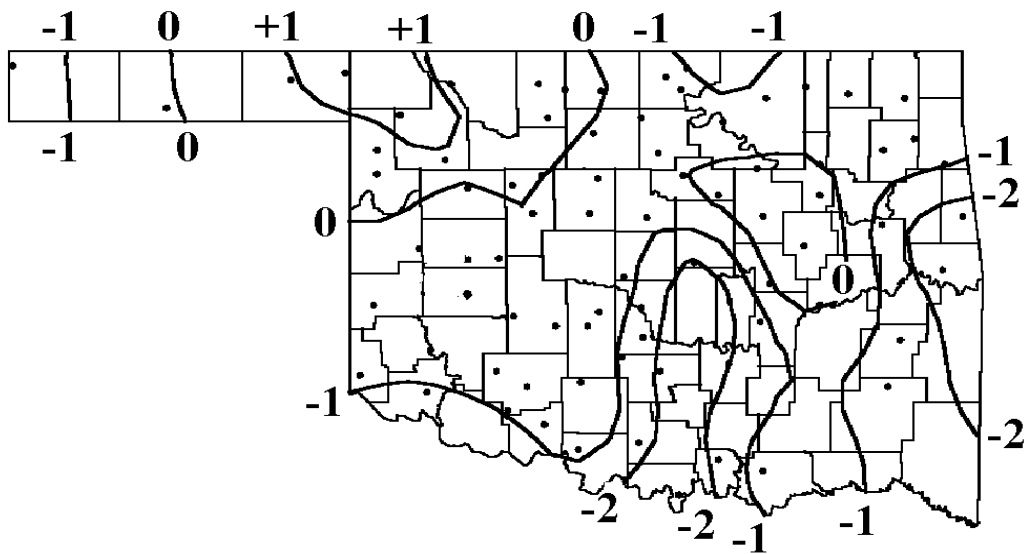
**CLIMATE DIVISION PERCENT OF NORMAL PRECIPITATION - JANUARY 2001**



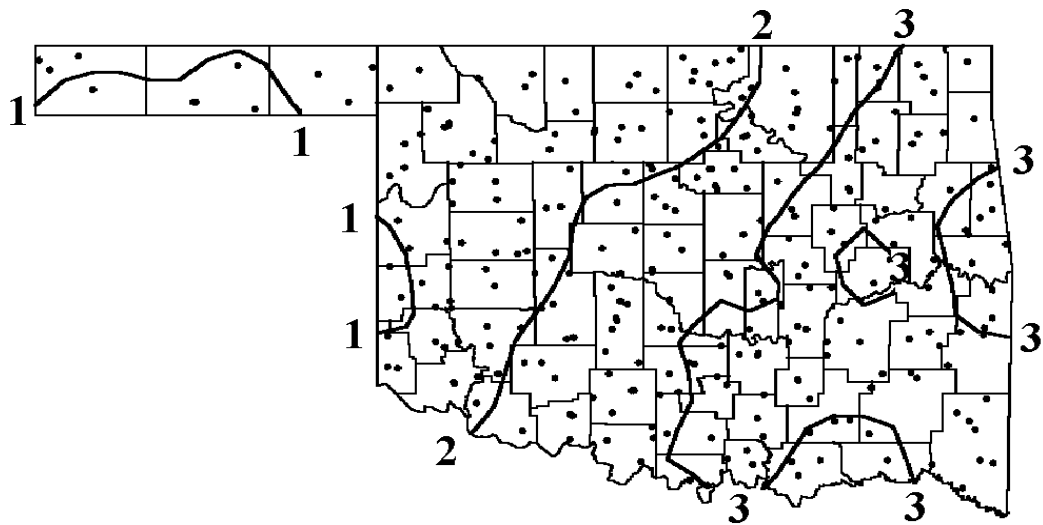
JANUARY 2001 AVERAGE MONTHLY TEMPERATURE (°F)



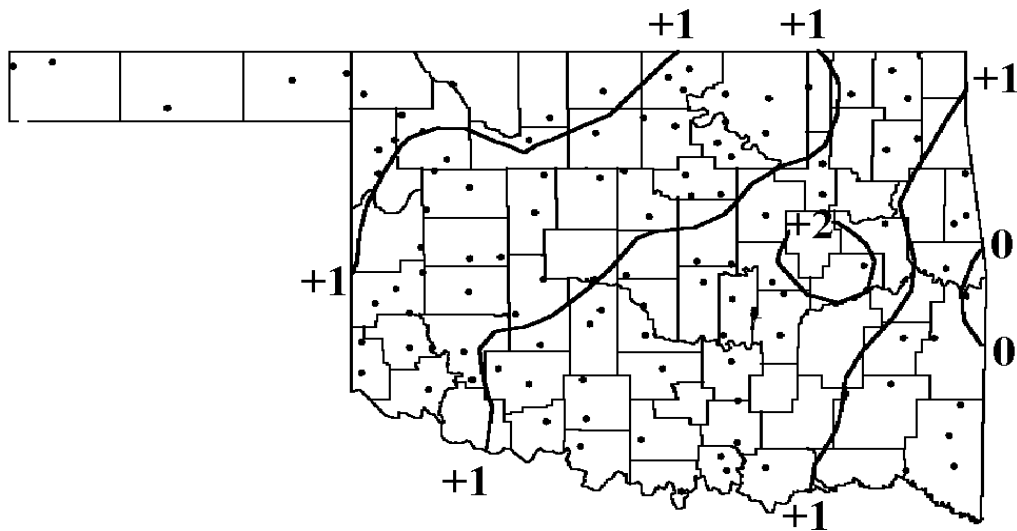
JANUARY 2001 DEPARTURE FROM NORMAL TEMPERATURE (°F)



JANUARY 2001 TOTAL PRECIPITATION (INCHES)

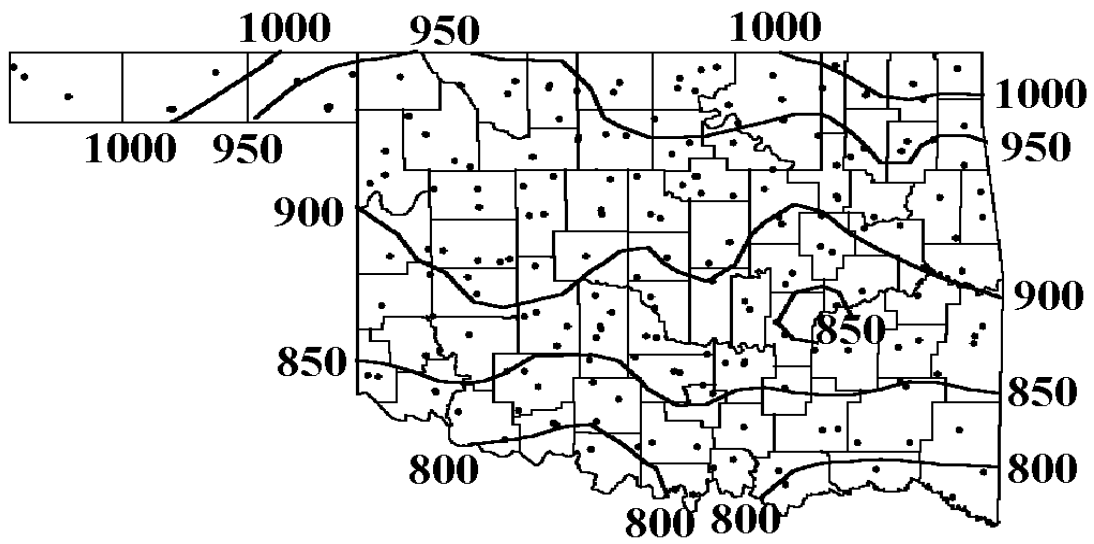


JANUARY 2001 DEPARTURE FROM NORMAL PRECIPITATION (INCHES)

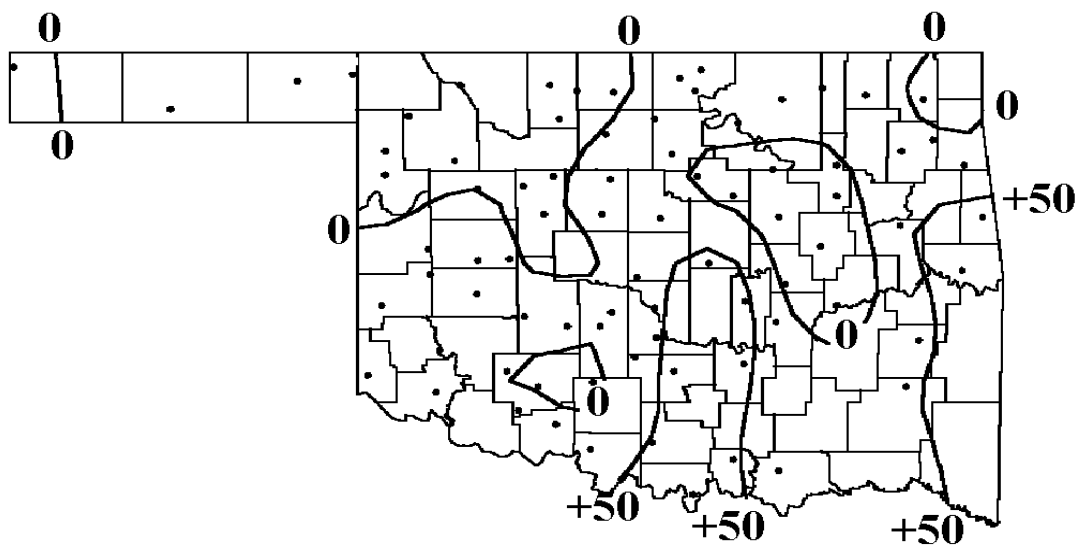




JANUARY 2001 ACCUMULATED HEATING DEGREE DAYS (°F)



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



## JANUARY 2001 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		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
ARNETT	332	1	33.6	31	1.1	58	12	8	1	973	-36	0	0	1.851	31	1.39	1.00	28
BEAVER	593	1	32.4	31	0.8	68	5	7	18	1011	-25	0	0	1.471	31	1.07	1.15	28
BUFFALO	1243	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.000	24	*****	0.00	31
FARGO	3070	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.593	31	1.12	1.30	28
GAGE	3407	1	33.7	31	-0.6	61	12	8	21	972	20	0	0	1.423	31	1.01	0.77	29
GATE	3489	1	34.5	31	2.1	68	5	11	1	947	-65	0	0	2.042	31	1.49	1.74	28
GOODWELL	3628	1	31.9	30	0.0	66	5	5	21	995	-32	0	0	1.382	31	1.11	1.10	28
KENTON	4766	1	30.9	30	-1.6	71	4	-8	20	1025	14	0	0	2.861	31	2.58	1.42	16
LAVERNE	5045	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.833	31	1.30	1.39	28
RANGE	7412	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.003	31	*****	0.71	28
REGNIER	7534	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.502	31	1.20	0.73	16
TURPIN	9017	1	33.0	23	*****	65	5	6	18	737	*****	0	*****	0.290	23	*****	0.29	17

## JANUARY 2001 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		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
ALVA	193	2	34.5	31	*****	57	14	10	20	947	*****	0	*****	1.300	31	*****	0.84	28
VANCE AFB	302	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.265	31	*****	0.55	1
BILLINGS	755	2	32.9	31	0.1	53	23	3	1	996	-2	0	0	2.001	31	1.00	0.95	28
BLACKWELL 2E	818	2	32.6	31	-0.3	54	25	9	2	1004	9	0	0	1.744	31	0.80	0.82	28
BRAMAN	1075	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.731	31	*****	0.85	28
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.035	31	*****	0.61	28
CHEROKEE	1724	2	33.4	30	-1.1	58	14	7	4	947	1	0	0	1.490	30	*****	1.30	29
ENID	2912	2	34.0	31	-1.1	58	14	10	1	962	35	0	0	1.734	31	0.77	0.89	28
FT SUPPLY	3304	2	34.0	31	1.8	61	11	9	19	960	-57	0	0	1.461	31	1.01	1.17	27
FREEDOM	3358	2	34.6	31	0.6	62	12	8	20	941	-20	0	0	1.781	31	1.24	0.88	28
GREAT SALT	3740	2	34.9	30	2.9	59	14	11	20	903	-120	0	0	0.740	30	*****	0.74	28
HARDY	3909	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.593	31	*****	0.75	28
HELENA	4019	2	33.8	31	2.0	57	14	10	1	969	-61	0	0	1.894	31	1.12	0.91	28
JEFFERSON	4573	2	33.5	31	-0.6	58	14	7	4	978	20	0	0	2.241	31	1.39	1.04	28
LAHOMA	4950	2	33.9	31	*****	59	14	4	1	966	*****	0	*****	1.340	31	*****	0.80	28
LAMONT	5013	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.791	31	*****	0.81	30
MEDFORD	5768	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.381	31	*****	1.45	28
MORRISON	6065	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.560	31	*****	0.80	28
MUTUAL	6139	2	34.4	31	1.9	58	12	6	1	949	-60	0	0	0.923	31	0.32	0.41	28
NEWKIRK	6278	2	31.5	31	-1.7	51	25	10	21	1039	53	0	0	1.791	31	0.92	0.85	28
ORIENTA	6751	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.870	31	1.16	0.84	28
PERRY	7012	2	34.1	30	-1.6	56	7	8	1	927	19	0	0	1.653	30	*****	0.50	17
PONCA CITY	7201	2	32.1	31	-0.3	52	25	2	3	1019	8	0	0	0.884	31	-0.15	0.38	29
RED ROCK	7505	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.923	31	0.02	0.60	28
WAYNOKA	9404	2	34.5	24	*****	60	12	10	20	732	*****	0	*****	1.550	24	*****	1.50	27
WOODWARD	9760	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.833	31	1.29	1.29	28

## JANUARY 2001 SUMMARY FOR NORTHEAST DIVISION (CD3)

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		
BARTLESVILLE	548	3	33.9	31	-0.8	56	6	-8	2	964	25	0	0	2.010	31	0.74	1.00	29
BIXBY	782	3	34.8	31	0.8	59	6	3	2	937	-25	0	0	3.270	31	1.70	2.35	28
BURBANK	1256	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.623	31	0.48	1.16	28
CHELSEA	1717	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.640	31	*****	2.79	29
HOLLOW	4258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.152	31	1.67	2.33	29
HOMINY	4289	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.050	31	0.80	1.05	29
KANSAS	4672	3	35.6	30	-0.4	57	6	3	2	883	-17	0	0	3.151	30	*****	2.00	28
LENAPAH	5118	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.580	31	*****	1.31	30
MANNFORD	5522	3	35.8	30	0.3	62	6	2	2	878	-38	0	0	2.190	30	*****	1.20	29
MARAMEC	5540	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.030	31	0.76	0.91	29
NOWATA	6485	3	34.1	31	-0.4	55	26	-2	2	957	11	0	0	2.400	31	0.81	1.80	29
PAWHUSKA	6935	3	33.4	31	-0.7	58	6	-8	2	981	23	0	0	2.144	31	0.86	1.12	29
PAWNEE	6940	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.112	31	0.89	0.95	28
PRYOR	7309	3	32.6	31	-0.4	57	7	2	3	1005	13	0	0	3.982	31	2.23	3.00	29
RALSTON	7390	3	33.5	31	-1.2	57	6	-1	2	978	39	0	0	2.165	31	1.01	1.66	29
SPAVINAW	8380	3	36.3	31	-0.2	58	6	3	2	891	7	0	0	3.053	31	1.35	2.52	29
TULSA	8992	3	35.3	31	0.1	57	26	2	2	922	-2	0	0	2.094	31	0.55	1.07	28
UPPER SPAV	9101	3	37.6	29	*****	59	6	1	2	794	*****	0	*****	3.210	29	*****	2.40	29
VINITA	9203	3	34.0	31	0.4	54	8	-1	2	962	-12	0	0	3.521	31	1.72	2.62	29
WANN	9298	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.311	31	*****	1.19	29
WYNONA	9792	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.944	31	*****	1.05	29

## JANUARY 2001 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

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		
CANTON DAM	1445	4	34.6	30	1.4	58	14	2	1	912	-74	0	0	1.880	30	*****	0.81	28
CLINTON	1909	4	34.5	31	-2.1	58	14	12	4	945	65	0	0	1.461	31	0.52	1.28	29
COLONY	2039	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.792	31	*****	1.03	28
CORDELL	2125	4	34.5	31	-2.1	59	14	14	4	946	66	0	0	1.381	31	0.47	0.67	28
ELK CITY	2849	4	35.0	31	-1.2	58	27	11	1	929	36	0	0	1.360	31	0.67	0.59	28
ERICK	2944	4	35.2	31	-1.4	59	14	16	3	924	44	0	0	1.562	31	1.03	0.60	29
GEARY	3497	4	36.7	28	*****	58	13	13	3	793	*****	0	*****	0.300	28	*****	0.30	28
HAMMON	3871	4	33.1	31	-0.4	58	14	7	1	989	12	0	0	1.491	31	0.81	0.73	28
LEEDEY	5090	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.370	31	-0.12	0.29	17
MACKIE	5463	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.250	31	*****	1.25	26
MORAVIA	6035	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.721	31	0.01	0.40	28
OKEENE	6629	4	36.1	31	-0.1	58	13	7	1	895	2	0	0	1.622	31	0.85	1.10	28
RETROP	7565	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.350	31	*****	0.80	28
REYDON	7579	4	34.6	29	*****	60	12	16	1	882	*****	0	*****	1.200	29	*****	1.20	28
SAYRE	7952	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.122	31	0.65	0.60	28
SWEETWATER	8652	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.020	31	*****	0.02	28
TALOGA	8708	4	32.7	31	-2.1	57	6	7	4	1001	65	0	0	1.631	31	0.93	0.86	28
THOMAS	8815	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.720	31	*****	0.55	28
VICI	9172	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.991	31	0.26	0.82	27
WATONGA	9364	4	35.2	31	-0.2	57	27	6	1	925	7	0	0	1.924	31	0.97	0.76	28
WEATHERFORD	9422	4	35.9	31	1.6	58	15	15	20	901	-51	0	0	1.830	31	1.01	0.90	28

## JANUARY 2001 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		24-HR	DAY
					FROM NORM	MAX TEMP									FROM NORM	MAX		
AMBER	200	5	****	0	****	****	0	****	0	*****	*****	*****	2.260	31	****	1.10	28	
BLANCHARD	830	5	38.4	31	0.1	62	6	13	20	825	-4	0	0	2.644	31	1.53	0.90	28
BRISTOW	1144	5	37.0	31	0.2	63	6	5	2	868	-6	0	0	3.170	31	1.79	2.30	29
CHANDLER	1684	5	35.3	27	****	61	7	11	21	802	*****	0	*****	0.450	28	*****	0.25	11
CHICKASHA EXP	1750	5	37.7	31	0.4	59	13	11	3	847	-13	0	0	2.721	31	1.69	1.17	28
COX CITY	2196	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.680	31	*****	0.85	29
CRESCENT	2242	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.010	31	*****	0.75	29
CUSHING	2318	5	34.9	31	0.7	60	7	12	3	933	-23	0	0	1.420	31	0.29	1.04	29
EDMOND	2788	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.140	31	*****	0.94	27
EL RENO	2818	5	37.0	29	****	59	14	16	21	812	*****	0	*****	1.590	29	*****	1.00	29
GUTHRIE	3821	5	35.5	31	-0.8	61	7	7	1	914	24	0	0	2.203	31	1.05	0.80	28
HENNESSEY	4055	5	33.8	31	-1.3	57	13	12	3	967	40	0	0	1.500	31	0.64	0.67	28
INGALLS	4489	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.590	31	*****	0.88	28
KINGFISHER	4861	5	34.9	30	-1.1	59	15	4	1	903	4	0	0	1.920	30	****	0.83	28
KONAWA	4915	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.290	31	0.78	1.97	28
MARSHALL	5589	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.530	31	0.65	0.74	28
MEEKER	5779	5	33.3	31	-3.4	60	7	9	20	982	105	0	0	2.571	31	1.53	1.36	29
MULHALL	6110	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.640	31	*****	0.92	28
NORMAN NWS	6386	5	36.1	31	-1.7	60	6	13	20	897	54	0	0	2.222	31	0.90	0.69	27
OKEMAH	6638	5	38.4	31	0.9	61	6	13	2	824	-30	0	0	3.771	31	2.32	2.67	29
OKLAHOMA CTY	6659	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.293	31	*****	0.96	28
OKLAHOMA CTY	6661	5	36.3	31	0.4	60	6	14	3	891	-11	0	0	2.234	31	1.10	0.78	27
PERKINS	7003	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.540	31	0.37	0.84	28
PIEDMONT	7068	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.850	31	*****	0.73	26
PRAGUE	7264	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.701	31	1.27	1.47	29
PURCELL	7327	5	36.4	31	-1.0	61	7	14	21	886	30	0	0	2.642	31	1.30	1.23	28
SEMINOLE	8042	5	35.7	31	-3.1	63	8	10	1	909	97	0	0	1.932	31	0.45	1.55	29
SHAWNEE	8110	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.770	31	2.40	1.48	29
STILLWATER	8501	5	34.7	31	1.1	62	7	11	21	939	-34	0	0	2.051	31	0.90	1.04	29
STROUD	8563	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.663	31	*****	1.46	29
UNION CITY	9086	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.224	31	0.86	0.94	28
WANETTE	9291	5	35.4	31	****	63	7	9	20	919	*****	0	*****	2.860	31	*****	1.57	29
WELTY	9479	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.250	31	*****	1.87	29
WEWOKA	9575	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.240	31	-0.21	0.45	1

## JANUARY 2001 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		24-HR	DAY
					FROM NORM	MAX TEMP									FROM NORM	MAX		
ASHLAND	364	6	****	0	****	****	0	****	0	*****	*****	*****	3.250	31	****	1.47	29	
BEGGS	631	6	****	0	****	****	0	****	0	*****	*****	*****	3.240	31	****	2.78	29	
CALVIN	1391	6	****	0	****	****	0	****	0	*****	*****	*****	2.600	31	1.00	2.60	28	
CHECOTAH	1711	6	****	0	****	****	0	****	0	*****	*****	*****	5.060	31	3.43	2.25	29	
CLAYTON	1858	6	****	0	****	****	0	****	0	*****	*****	*****	3.480	31	****	1.70	29	
DUSTIN	2690	6	****	0	****	****	0	****	0	*****	*****	*****	4.020	31	****	2.77	29	
EUFULA	2993	6	42.3	18	****	66	26	18	20	410	*****	0	*****	2.400	18	****	2.40	29
HANNA	3884	6	38.5	30	0.5	62	26	8	3	795	-43	0	0	4.242	30	****	2.70	29
HOLDENVILLE	4235	6	36.8	30	-1.5	64	6	9	2	845	17	0	0	2.902	30	****	2.30	27
LAKE EUFAULA	4975	6	37.0	26	****	61	27	13	21	729	*****	0	*****	2.011	26	****	1.59	29
LYONS	5437	6	****	0	****	****	0	****	0	*****	*****	*****	1.812	31	0.02	1.21	29	
MARBLE CITY	5546	6	****	0	****	****	0	****	0	*****	*****	*****	2.550	31	****	1.77	29	
MCALESTER	5664	6	39.3	29	****	66	26	7	3	746	*****	0	*****	2.073	29	****	0.98	29
MCCURTAIN	5693	6	40.0	26	****	67	6	15	20	649	*****	0	*****	2.774	27	****	1.75	29
MUSKOGEE	6130	6	35.0	31	-2.3	60	26	4	2	929	70	0	0	2.593	31	0.79	1.23	28
OKMULGEE	6670	6	37.2	30	2.4	63	6	9	2	835	-101	0	0	3.010	30	****	1.22	28
OKTAHA	6678	6	****	0	****	****	0	****	0	*****	*****	*****	3.341	31	****	2.57	29	
SALLISAW	7862	6	35.3	31	-2.6	60	27	10	2	921	81	0	0	2.270	31	0.27	1.30	29
SCIPIO	7979	6	****	0	****	****	0	****	0	*****	*****	*****	3.780	31	****	2.12	29	
SHORT	8170	6	****	0	****	****	0	****	0	*****	*****	*****	2.140	31	****	1.34	29	
STILWELL	8506	6	33.4	31	-3.0	57	27	2	1	979	92	0	0	2.801	31	0.72	1.46	29
WEBBERS FALL	9445	6	33.0	21	****	62	27	8	3	673	*****	0	*****	2.870	22	****	1.83	29
WETUMKA	9571	6	****	0	****	****	0	****	0	*****	*****	*****	3.333	31	1.84	2.39	29	

## JANUARY 2001 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
ALTUS	179	7	37.0	31	-2.5	60	26	14	3	868	77	0	0	1.940	31	1.10	0.88	29
ALTUS DAM	184	7	37.6	31	1.2	61	14	11	1	850	-37	0	0	1.570	31	0.80	0.63	28
ANADARKO	224	7	34.2	30	-2.3	59	15	11	4	926	39	0	0	1.800	30	*****	0.85	28
APACHE	260	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.930	31	0.83	1.12	28
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.402	30	*****	0.20	3
CARNEGIE	1504	7	35.9	31	-0.9	59	14	13	3	904	30	0	0	1.784	31	0.85	0.89	29
CHATTANOOGA	1706	7	37.0	30	-1.7	61	27	15	3	840	25	0	0	1.961	30	*****	0.73	28
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.291	31	*****	1.07	29
FREDERICK	3353	7	37.3	28	*****	62	13	19	28	776	*****	0	*****	2.330	28	*****	0.80	27
HEADRICK	3998	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.820	31	*****	0.76	28
HOBART	4204	7	35.0	29	*****	59	14	13	4	870	*****	0	*****	0.964	29	*****	0.67	29
HOLLIS	4249	7	38.1	31	-0.4	62	4	15	3	835	13	0	0	1.250	31	0.66	0.62	28
LAWTON	5063	7	37.1	31	0.3	61	14	17	3	864	-10	0	0	2.410	31	1.35	0.93	28
LOOKEBA	5329	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.390	31	0.41	0.71	28
MANGUM	5509	7	36.3	29	*****	62	27	8	1	833	*****	0	*****	0.652	31	-0.10	0.24	29
RANDLETT	7403	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.974	31	*****	1.08	21
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.950	31	1.09	0.85	28
SEDAN	8016	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.720	31	*****	0.67	29
SNYDER	8299	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.852	31	-0.05	0.37	11
VINSON	9212	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.071	31	0.59	0.66	28
WALTERS	9278	7	39.0	31	-0.6	62	27	18	20	806	19	0	0	2.520	31	1.15	1.10	28
WICHITA MT	9629	7	36.6	31	1.0	61	27	13	20	879	-32	0	0	3.300	31	2.12	1.03	28
WILLOW	9668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.340	31	*****	0.83	27

## JANUARY 2001 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
ADA	17	8	37.0	31	-2.0	64	6	12	20	867	61	0	0	3.481	31	2.02	2.08	29
ALLEN	147	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.350	31	*****	2.80	29
ARDMORE	292	8	39.6	27	*****	64	26	18	2	687	*****	0	*****	2.860	28	*****	2.00	28
ATOKA	391	8	36.8	28	*****	66	27	10	2	791	*****	0	*****	3.140	28	*****	1.40	29
BOKCHITO	917	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.500	31	*****	1.25	29
CANEY	1437	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.030	31	*****	1.52	29
CENTRAHOMA	1648	8	36.8	31	*****	65	27	8	4	876	*****	0	*****	0.980	31	*****	0.50	11
COMANCHE	2054	8	39.1	31	*****	62	5	16	21	803	*****	0	*****	2.650	31	1.42	0.70	29
DAISY	2354	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.373	31	1.05	1.45	29
DURANT	2678	8	38.7	31	0.5	67	26	11	2	817	-15	0	0	3.045	31	1.05	0.92	28
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.370	31	*****	0.87	29
GRADY	3688	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.200	31	*****	1.60	28
HEALDTON	4001	8	37.7	31	-1.7	65	7	15	20	846	52	0	0	3.330	31	1.92	1.91	29
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.780	31	*****	1.46	29
KETCHUM RAN	4780	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.340	31	*****	0.86	28
KINGSTON	4865	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.311	31	1.36	1.53	28
LEHIGH	5108	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.304	31	*****	1.30	29
LINDSAY	5216	8	36.5	30	-1.8	60	27	11	2	857	26	0	0	2.540	30	*****	0.85	29
LOCO	5247	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.610	31	*****	1.21	29
MADILL	5468	8	38.2	31	-2.2	65	27	16	3	832	69	0	0	3.660	31	1.81	1.80	29
MARIETTA SSW	5563	8	37.2	31	-3.5	64	27	13	20	863	110	0	0	3.180	31	1.74	2.11	29
MARLOW	5581	8	39.8	31	1.4	63	6	15	20	781	-44	0	0	2.590	31	1.52	0.78	28
MCGEE CREEK	5713	8	37.9	31	*****	66	27	12	3	839	*****	0	*****	2.820	31	*****	1.12	29
PAULS VALLEY	6926	8	35.8	31	-3.0	64	7	11	20	906	94	0	0	2.840	31	1.37	1.44	29
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.943	31	1.40	2.08	28
TISHOMINGO	8884	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.050	31	1.33	2.05	28
TUSSY	9032	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.550	31	*****	0.95	28
WAURIKA	9395	8	40.3	31	-0.2	65	26	10	3	767	7	0	0	2.731	31	1.63	0.77	29

## JANUARY 2001 SUMMARY FOR SOUTHEAST DIVISION (CD9)

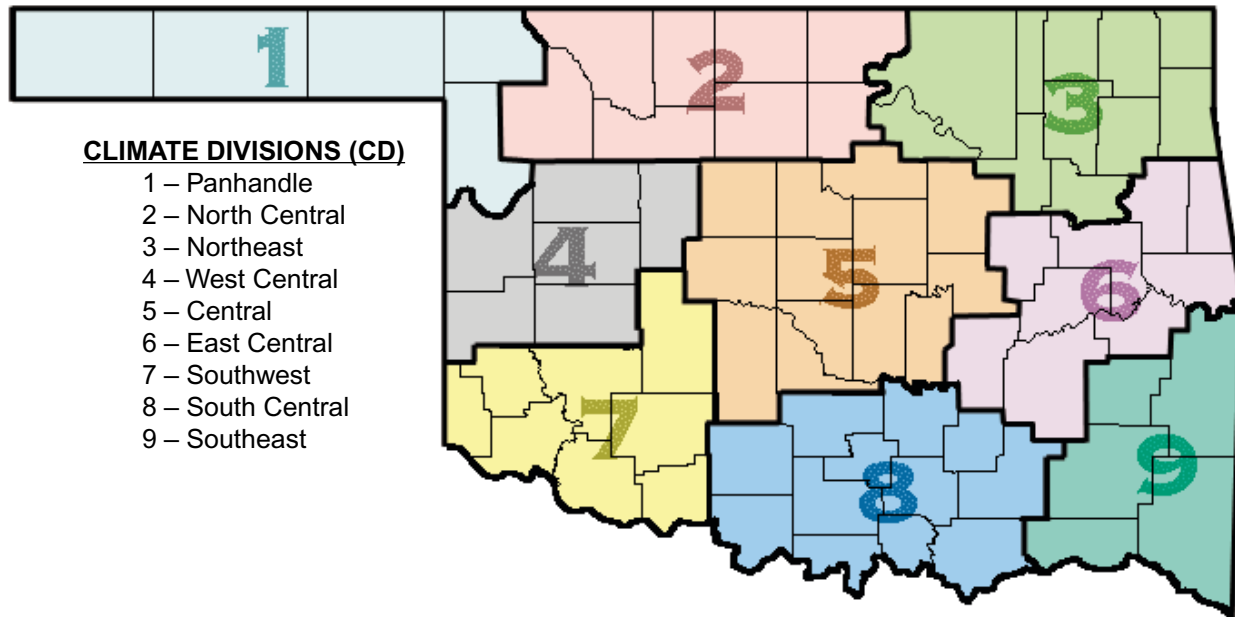
NAME	ID	CD	MEAN		DEV		MIN		HEAT		DEV		COOL		DEV		TOT	NUM	DEV	
			TEMP	OBS	FROM	MAX	TEMP	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	NORM	FROM			MAX	FROM
BATTIEST	567	9	35.4	29	*****	66	27	0	3	859	*****	0	*****	3.531	31	*****	1.29	29		
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.240	31	*****	1.45	29		
BROKEN BOW	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.500	31	0.94	0.84	29		
CARNASAW	1499	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.622	31	-0.20	0.95	29		
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.031	31	1.44	1.63	11		
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.860	31	0.68	1.21	29		
IDABEL	4451	9	40.6	20	*****	68	27	16	4	489	*****	0	*****	2.430	20	*****	1.00	29		
PAGE	6842	9	39.0	12	*****	65	28	9	20	313	*****	0	*****	7.770	14	*****	5.10	10		
POTEAU	7254	9	36.7	31	*****	67	6	7	1	877	*****	0	*****	2.892	31	*****	1.65	28		
SMITHVILLE	8285	9	34.3	29	*****	66	27	-1	2	891	*****	0	*****	3.334	31	0.35	1.34	29		
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.440	31	-0.64	0.45	11		
TUSKAHOMA	9023	9	38.5	31	-1.8	68	26	3	2	820	54	0	0	2.643	31	0.62	1.25	29		
VALLIANT	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.160	31	0.85	1.01	29		
WILBURTON	9634	9	37.1	31	-1.3	65	26	3	3	864	39	0	0	2.271	31	0.03	1.04	28		
WISTER	9724	9	36.7	31	*****	65	29	4	2	879	*****	0	*****	3.640	31	*****	1.80	29		

## JANUARY 2001 CLIMATE DIVISION SUMMARY

NAME	CD	MEAN		DEV		MIN		HEAT		DEV		COOL		DEV		TOT	NUM	DEV	
		TEMP	OBS	FROM	MAX	TEMP	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	NORM	FROM			MAX	FROM
CLIMATE DIVISION 1	1	32.8	6	0.0	71	4	-8	20	987	-11	0	0	1.700	10	1.28	1.74	28		
CLIMATE DIVISION 2	2	33.6	15	0.0	62	12	2	3	967	-8	0	0	1.590	22	0.81	1.50	27		
CLIMATE DIVISION 3	3	34.5	11	-0.2	62	6	-8	2	941	2	0	0	2.560	18	1.09	3.00	29		
CLIMATE DIVISION 4	4	34.7	10	-0.7	60	12	2	1	937	20	0	0	1.310	18	0.61	1.28	29		
CLIMATE DIVISION 5	5	35.9	15	-0.8	63	7	4	1	900	21	0	0	2.340	31	1.12	2.67	29		
CLIMATE DIVISION 6	6	36.0	6	-1.3	67	6	2	1	884	28	0	0	3.080	15	1.30	2.78	29		
CLIMATE DIVISION 7	7	36.9	9	-0.7	62	27	8	1	863	15	0	0	1.760	18	0.85	1.12	28		
CLIMATE DIVISION 8	8	37.9	12	-1.7	67	26	8	4	838	49	0	0	2.840	25	1.29	2.80	29		
CLIMATE DIVISION 9	9	37.3	4	-2.1	68	26	-1	2	860	64	0	0	3.010	13	0.56	5.10	10		

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

## CLIMATE DIVISION MAP



## EXPLANATION OF TABLES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Deviation from Normal Precipitation:** The difference between the actual rainfall and the normal rainfall for the month. A positive value indicates more rain than normal was received. A negative value indicates less than was expected rainfall was received. Normal rainfall may be calculated by subtracting the deviation from the monthly total.

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

### **Heating Degree Days Calculation**

**NumDays**

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

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

### **Cooling Degree Days Calculation**

**NumDays**

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

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



# MESONET MONTHLY SUMMARY FOR JANUARY 2001

NAME	MEAN MAX		MIN		TOT MAX			NAME	MEAN MAX		MIN		TOT MAX								
	TEMP	TEMP	DAY	TEMP	DAY	HDD	CDD		PPT	24-HR	DAY	TEMP	TEMP	DAY	TEMP	DAY	HDD	CDD	PPT	24-HR	DAY
<b>PANHANDLE</b>																					
Arnett	35.1	60	6	12	1	926	0	1.42	0.78	30	Goodwell	32.3	66	4	6	29	1012	0	0.47	0.16	21
Beaver	34.3	69	4	8	18	951	0	1.00	0.65	30	Hooker	31.9	68	4	3	18	1025	0	0.70	0.24	30
Boise City	30.0	70	4	2	18	1085	0	0.32	0.21	22	Kenton	29.4	70	4	-7	18	1031	0	0.33	0.18	22
Buffalo	35.2	66	4	10	20	922	0	1.22	0.81	30	Slapout	****	***	**	***	**	****	0	0.99	0.57	30
<b>NORTH CENTRAL</b>																					
Alva	35.4	62	4	8	20	917	0	0.99	0.34	3	May Ranch	****	***	**	***	**	****	0	****	****	**
Blackwell	33.0	52	22	7	2	960	0	2.39	0.94	28	Medford	34.1	55	13	8	3	958	0	****	****	**
Breckenridge	33.8	57	13	8	1	905	0	2.06	0.67	28	Newkirk	32.7	53	24	4	2	970	0	2.34	0.88	28
Cherokee	35.3	58	13	6	3	920	0	0.68	0.26	4	Red Rock	34.6	56	6	5	2	943	0	2.63	0.81	28
Fairview	36.0	59	13	13	1	899	0	2.45	0.93	28	Seiling	35.2	59	5	7	1	924	0	0.76	0.34	3
Freedom	****	***	**	***	**	****	0	****	****	**	Woodward	36.2	61	11	11	20	892	0	1.86	0.71	28
Lahoma	34.1	58	13	7	3	895	0	2.39	0.78	28											
<b>NORTHEAST</b>																					
Bixby	35.0	57	6	0	2	929	0	4.40	2.07	28	Nowata	31.5	52	23	-6	2	1038	0	3.61	1.72	28
Burbank	33.4	55	6	3	2	980	0	2.60	0.89	28	Pawnee	34.7	60	6	5	20	908	0	2.68	0.87	28
Catoosa	35.4	58	5	3	2	918	0	4.08	1.84	28	Porter	36.0	59	6	4	2	900	0	4.16	1.74	28
Claremore	34.1	57	6	0	2	959	0	4.34	1.88	28	Pryor	33.0	55	6	-2	2	992	0	4.30	1.84	28
Copan	33.0	54	5	-4	2	992	0	2.52	1.33	28	Skiatook	35.4	58	6	5	2	917	0	3.20	1.47	28
Foraker	32.8	56	6	-1	2	999	0	2.60	1.05	28	Vinita	31.3	54	23	-4	2	1046	0	3.72	1.87	28
Jay	33.4	59	6	-1	2	979	0	3.86	1.68	29	Wynona	34.5	58	6	-2	2	945	0	2.61	1.18	28
Miami	31.6	52	23	-5	2	1034	0	4.25	2.43	28											
<b>WEST CENTRAL</b>																					
Bessie	36.6	59	13	13	1	879	0	1.76	0.50	28	Putnam	35.5	58	13	12	1	916	0	1.16	0.46	3
Butler	36.3	59	13	7	1	860	0	1.38	0.41	3	Retrop	37.2	60	13	11	1	807	0	1.48	0.52	28
Camargo	35.5	61	11	6	1	916	0	1.53	0.42	3	Watonga	35.8	57	13	8	1	905	0	1.64	0.49	4
Chyenenne	36.2	58	11	18	1	835	0	1.36	0.57	30	Weatherford	34.9	56	13	14	1	932	0	2.29	0.48	29
Erick	36.1	59	13	12	3	866	0	1.05	0.31	29											
<b>CENTRAL</b>																					
Acme	37.2	61	6	13	20	863	0	3.67	1.18	27	Minco	36.2	59	13	14	3	891	0	3.33	0.77	4
Bowlegs	36.9	64	6	9	20	870	0	3.97	1.41	28	Ninnekah	36.9	60	6	14	20	870	0	3.26	1.07	27
Bristow	35.6	61	6	6	2	912	0	3.44	1.02	28	Norman	36.7	60	6	14	20	878	0	****	****	**
Chandler	36.6	60	6	11	20	881	0	3.61	1.06	28	Oilton	34.1	60	6	1	2	957	0	3.03	1.16	28
Chickasha	36.5	59	13	9	3	885	0	3.35	1.01	27	Okemah	36.6	60	6	9	2	879	0	4.63	2.03	28
El Reno	35.4	60	13	11	1	919	0	2.65	0.77	28	Perkins	36.2	59	6	12	2	892	0	2.33	0.66	28
Guthrie	36.1	59	6	8	1	896	0	3.13	0.71	4	Shawnee	36.7	59	6	14	1	877	0	3.25	0.89	28
Kingfisher	35.4	59	13	9	1	917	0	2.68	0.63	27	Spencer	36.6	60	6	11	20	881	0	3.30	0.79	4
Marena	36.0	61	6	8	20	900	0	2.33	0.66	28	Stillwater	35.4	62	6	9	20	919	0	****	****	**
Marshall	34.9	58	13	3	1	932	0	2.21	0.64	28	Washington	37.4	61	6	14	1	856	0	3.25	0.71	27
<b>EAST CENTRAL</b>																					
Calvin	36.9	63	6	6	3	870	0	4.38	1.78	28	Sallisaw	36.1	62	6	8	2	896	0	2.61	1.66	29
Cookson	34.7	60	6	1	2	939	0	2.56	1.51	29	Stigler	36.7	62	26	1	3	876	0	4.11	1.28	29
Eufaula	37.4	62	26	9	2	854	0	4.62	1.48	28	Stuart	37.7	63	26	7	2	846	0	4.58	1.32	28
Haskell	35.2	58	5	3	2	923	0	4.20	1.93	28	Tahlequah	34.5	59	6	1	2	947	0	3.44	1.71	29
Hectorville	36.7	59	5	7	2	878	0	4.44	1.79	28	Webbers Falls	36.1	60	26	5	2	897	0	3.23	1.43	29
McAlester	37.0	64	6	4	3	868	0	3.96	1.16	4	Westville	35.4	59	6	6	2	919	0	3.09	1.24	29
Okmulgee	35.9	62	6	6	1	903	0	4.04	1.81	28											
<b>SOUTHWEST</b>																					
Altus	38.1	61	13	14	1	835	0	1.65	0.56	28	Hollis	38.2	63	4	15	3	831	0	0.95	0.50	28
Apache	37.3	60	13	18	3	858	0	3.23	0.77	27	Mangum	36.4	62	13	8	1	888	0	1.56	0.51	28
Fort Cobb	36.4	61	13	12	3	886	0	2.31	0.58	28	Medicine Park	39.8	60	13	18	20	730	0	2.47	1.30	28
Grandfield	39.5	63	6	19	3	791	0	2.60	0.76	27	Tipton	38.7	63	13	17	3	815	0	1.80	0.76	28
Hinton	36.1	59	13	16	3	894	0	1.50	0.52	4	Walters	39.1	63	6	18	3	801	0	2.89	1.04	27
Hobart	35.7	59	13	13	3	880	0	1.71	0.46	4											
<b>SOUTH CENTRAL</b>																					
Ada	37.4	64	6	12	20	827	0	4.48	1.50	28	Madill	39.3	65	26	14	20	797	0	3.20	1.05	28
Ardmore	39.2	64	26	15	3	799	0	3.40	1.27	28	Pauls Valley	38.2	65	6	14	20	829	0	3.53	1.23	28
Burneyville	39.6	66	6	13	3	787	0	2.44	1.03	28	Ringling	39.6	64	6	17	3	786	0	3.09	1.09	28
Byars	38.0	63	6	14	20	837	0	4.01	1.39	28	Sulphur	37.0	64	6	10	3	867	0	3.78	1.42	28
Centrahoma	37.0	64	6	8	2	868	0	3.77	1.27	28	Tishomingo	38.5	65	6	10	3	793	0	3.41	1.22	28
Durant	40.1	66	26	13	3	773	0	2.75	0.60	29	Vanoss	37.5	64	6	11	20	853	0	4.13	1.37	28
Ketchum Ranch	38.4	62	6	16	3	825	0	3.11	0.73	28	Waurika	40.0	66	6	18	20	773	0	2.44	0.68	28
Lane	38.6	65	6	8	3	818	0	3.04	0.69	28											
<b>SOUTHEAST</b>																					
Antlers	38.2	67	26	4	3	830	0	2.85	0.82	29	Idabel	39.9	68	26	10	3	777	0	3.24	0.83	29
Broken Bow	39.7	68	6	9	3	784	0	3.44	0.92	29	Mt Herman	38.1	66	26	6	3	835	0	3.21	0.98	29
Clayton	37.5	65	6	6	2	851	0	2.88	1.23	29	Talihina	37.5	66	26	2	2	853	0	3.01	1.37	29
Cloudy	38.5	66	26	5	3	822	0	****	****	**	Wilburton	36.2	64	26	0	3	892	0	2.92	1.37	29
Hugo	40.0	66	6	12	3	775	0	2.80	1.07	29	Wister	36.7	66	26	1	2	877	0	3.33	1.32	29

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

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	71	4	KENTON	-8	20	KENTON	1.74	28	GATE	2.86	KENTON
2	62	7	FREEDOM	2	3	PONCA CITY	1.50	27	WAYNOKA	2.38	MEDFORD
	62	8	FREEDOM								
	62	12	FREEDOM								
3	62	6	MANNFORD	-8	2	BARTLESVILLE	3.00	29	PRYOR	3.98	PRYOR
				-8	2	PAWHUSKA					
4	60	12	REYDON	2	1	CANTON DAM	1.28	29	CLINTON	1.92	WATONGA
5	63	6	BRISTOW	4	1	KINGFISHER	2.67	29	OKEMAH	3.77	OKEMAH
	63	7	SEMINOLE								
	63	8	SEMINOLE								
	63	7	WANETTE								
6	67	6	MCCURTAIN	2	1	STILWELL	2.78	29	BEGGS	5.06	CHECOTAH
7	62	13	FREDERICK	8	1	MANGUM	1.12	28	APACHE	3.30	WICHITA MT
	62	4	HOLLIS								
	62	27	MANGUM								
	62	7	WALTERS								
	62	27	WALTERS								
8	67	6	DURANT	8	4	CENTRAHOMA	2.80	29	ALLEN	3.66	MADILL
	67	26	DURANT								
9	68	27	IDABEL	-1	2	SMITHVILLE	5.10	10	PAGE	7.77	PAGE
	68	26	TUSKAHOMA								

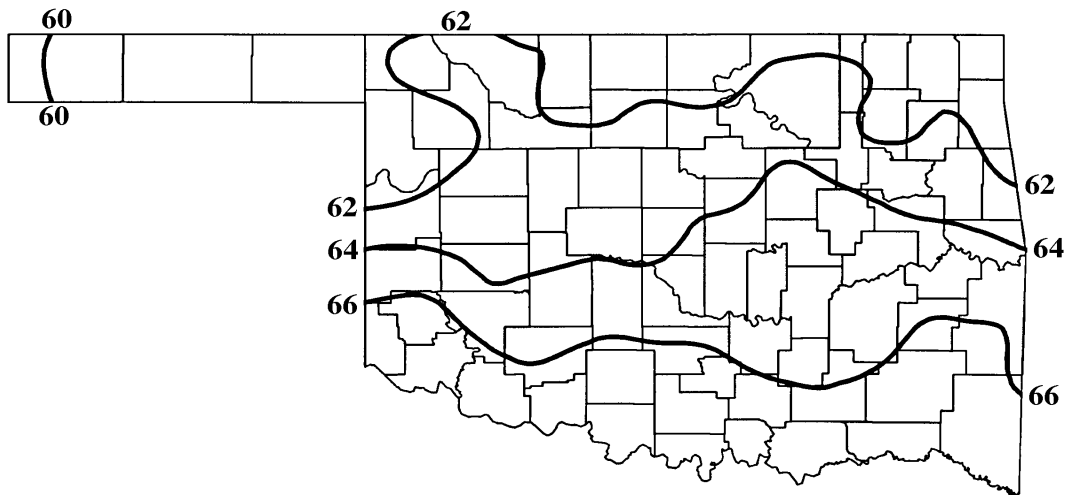
### TABLE OF 2000/2001 COMPARISONS

Station	Temperature (°F)		Precipitation (in.)	
	2000	2001	2000	2001
Arnett	35.5	33.6	0.54	1.85
Enid	36.9	34.0	1.16	1.73
Tulsa	40.0	35.3	0.90	2.09
Elk City	39.5	35.0	0.38	1.36
Oklahoma City	40.7	36.3	0.76	2.23
McAlester	43.1	39.3	1.52	2.07
Altus Irr Station	42.1	37.0	0.26	1.94
Ardmore	46.1	39.6	2.40	2.86
Idabel	****	40.6	0.16	2.43

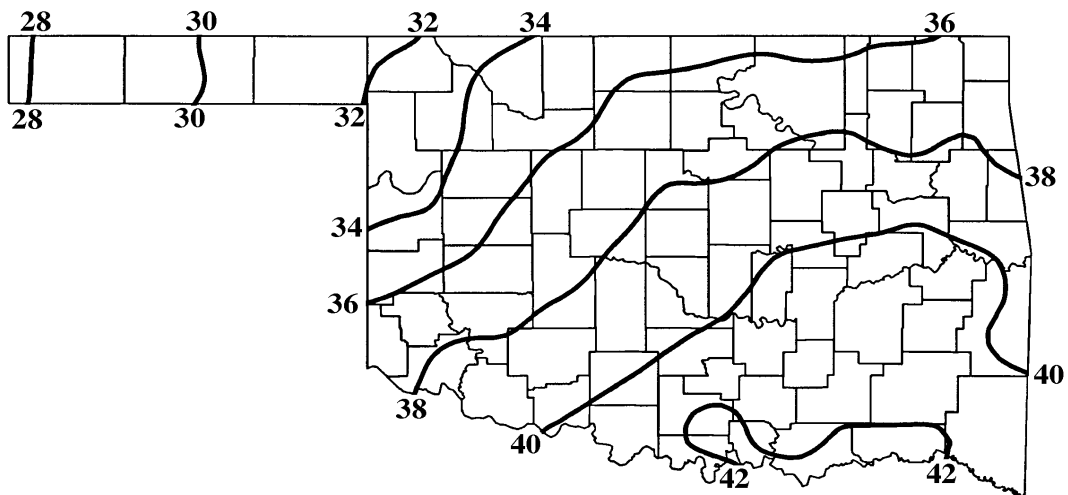
### JANUARY 2001 STATEWIDE EXTREMES

VARIABLE	STATION	DIVISION	OBSERVATION	DATE
Minimum temperature (°F)	Kenton	1	-8	20
	Bartlesville	3	-8	2
	Pawhuska	3	-8	2
Maximum temperature (°F)	Kenton	1	71	4
Maximum 24-hour Precipitation	Pryor	3	3.00	29

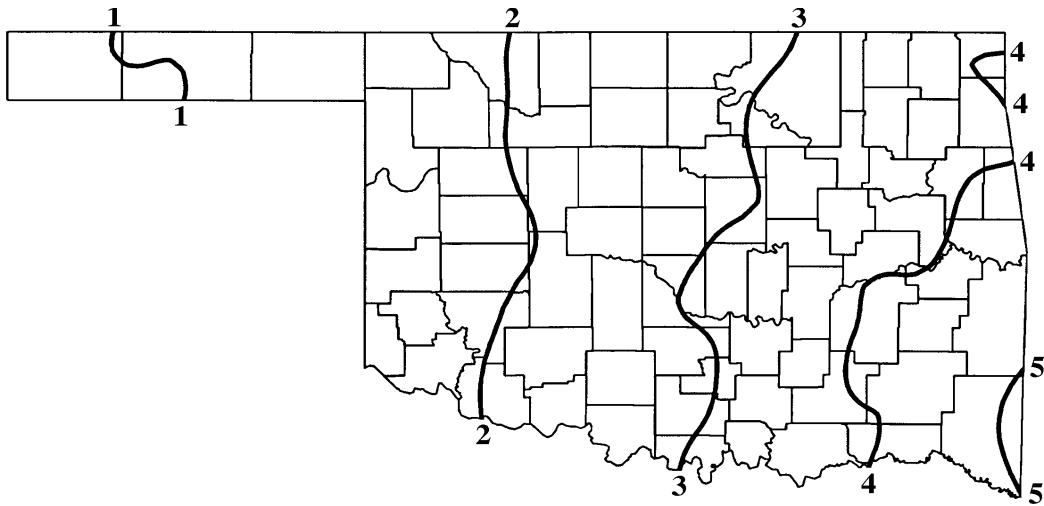
### MARCH NORMAL DAILY MAXIMUM TEMPERATURE (°F)



### MARCH NORMAL DAILY MINIMUM TEMPERATURE (°F)



## MARCH NORMAL MONTHLY PRECIPITATION (INCHES)



## MARCH TORNADO STATISTICS

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

The average number of tornadoes in **MARCH** for Oklahoma is **(3.6)**.

## OUTLOOK FOR MARCH 2001 THROUGH MAY 2001

BASED ON SEASONAL OUTLOOK PROVIDED BY THE CLIMATE PREDICTION CENTER

**Temperature: Above normal in southeast and panhandle regions**

**Precipitation: Near normal statewide**

**OKLAHOMA CITY CLIMATE CALENDAR**

**MARCH**

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

Day	Avg. Temp.	Ave. High	2001	Record High	Year	Lowest Max	Year	Ave. Low	2001	Highest Min.	Year	Record Low	Year	Avg. Precip.	2001	Greatest Precip.	Year
1	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
<b>MONTH</b>	<b>50.3</b>	<b>62</b>		<b>97</b>	<b>1907</b>	<b>16</b>	<b>1948</b>	<b>38.5</b>		<b>68</b>	<b>1907</b>	<b>1</b>	<b>1948</b>	<b>2.71</b>		<b>2.84</b>	<b>1988</b>

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

# TULSA CLIMATE CALENDAR

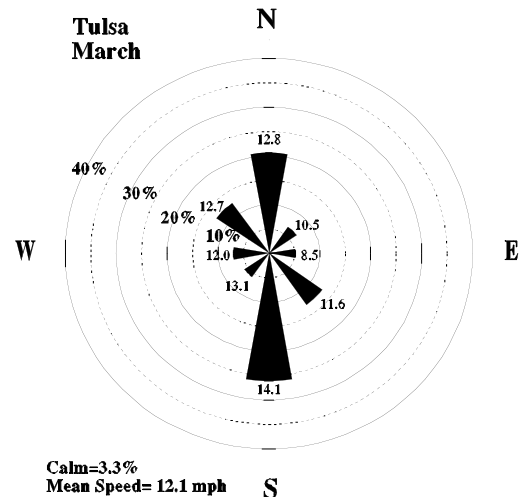
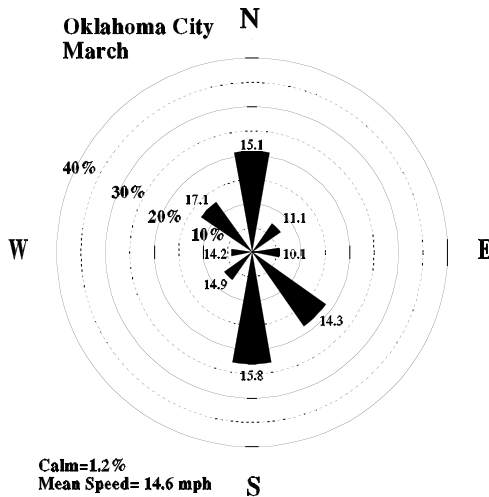
## MARCH

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

Day	Avg. Temp.	Ave. High	2001	Record High	Year	Lowest Max	Year	Ave. Low	2001	Highest Min.	Year	Record Low	Year	Avg. Precip.	2001	Greatest Precip.	Year
1	45	56		81	1967	26	1980	34		61	1932	9	1962	0.09		1.63	1973
2	45	56		84	1976	21	1943	34		59	1970	7	1943	0.10		2.06	1988
3	46	57		82	1955	25	1960	34		64	1960	3	1943	0.10		1.45	1953
4	46	57		83	1938	18	1960	35		57	1992	6	1960	0.10		1.53	1915
5	46	58		88	1991	20	1960	35		60	1956	5	1960	0.10		1.16	1933
6	47	58		87	1974	24	1943	35		64	1916	13	1943	0.10		1.57	1973
7	47	58		83	1925	31	1996	36		66	1974	6	1920	0.10		2.72	1998
8	48	59		87	1925	24	1932	36		63	1974	5	1967	0.11		1.67	1994
9	48	59		88	1911	28	1932	37		61	1925	8	1996	0.11		1.95	1922
10	48	60		91	1955	29	1948	37		60	1955	4	1948	0.11		1.91	1974
11	49	60		94	1967	17	1948	37		62	1967	-1	1948	0.11		1.97	1935
12	49	61		91	1967	29	1950	38		63	1967	-3	1948	0.11		1.85	1902
13	49	61		92	1967	33	1975	38		64	1938	12	1948	0.11		1.40	1937
14	50	61		85	1977	30	1906	38		58	1944	13	1975	0.11		1.56	1945
15	50	62		84	1921	30	1906	39		64	1905	21	1970	0.11		2.64	1944
16	51	62		86	1908	31	1906	39		58	1982	22	1962	0.12		1.34	1998
17	51	63		88	1916	34	1970	39		59	1992	20	1906	0.12		1.45	1977
18	51	63		99	1907	30	1965	40		63	1933	12	1923	0.12		1.29	1905
19	52	63		96	1907	32	1965	40		65	1921	8	1923	0.12		1.15	1968
20	52	64		92	1907	39	1983	41		68	1921	11	1965	0.12		1.70	1909
21	53	64		98	1916	32	1912	41		66	1907	18	1974	0.12		3.25	1921
22	53	65		94	1995	40	1952	41		67	1995	15	1955	0.12		1.25	1926
23	53	65		91	1907	33	1974	42		61	1994	21	1968	0.12		2.50	1969
24	54	65		91	1929	30	1965	42		62	1910	19	1966	0.12		2.00	1913
25	54	66		88	1910	28	1965	42		66	1935	18	1955	0.12		3.18	1920
26	54	66		87	1918	34	1955	43		70	1991	14	1955	0.12		2.48	1922
27	55	66		88	1956	36	1913	43		69	1907	13	1913	0.12		1.86	1975
28	55	67		90	1963	37	1931	43		69	1985	17	1931	0.12		2.55	1912
29	56	67		90	1967	34	1987	44		67	1963	24	1944	0.12		2.15	1918
30	56	68		86	1981	35	1926	44		66	1967	21	1964	0.11		1.78	1973
31	56	68		96	1974	44	1926	45		68	1917	24	1926	0.11		1.21	1957
<b>MONTH</b>	<b>51</b>	<b>62</b>		<b>99</b>	<b>1907</b>	<b>17</b>	<b>1948</b>	<b>39</b>		<b>70</b>	<b>1991</b>	<b>-3</b>	<b>1948</b>	<b>0.11</b>		<b>3.25</b>	<b>1921</b>

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

## MARCH WIND ROSES



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 2001

ALL TIMES ARE CENTRAL STANDARD TIME

### OKLAHOMA CITY

DATE	SUNRISE	SUNSET
3/1/00	7:00 AM	6:26 PM
3/2/00	6:58 AM	6:27 PM
3/3/00	6:57 AM	6:27 PM
3/4/00	6:56 AM	6:28 PM
3/5/00	6:54 AM	6:29 PM
3/6/00	6:53 AM	6:30 PM
3/7/00	6:52 AM	6:31 PM
3/8/00	6:50 AM	6:32 PM
3/9/00	6:49 AM	6:33 PM
3/10/00	6:48 AM	6:34 PM
3/11/00	6:46 AM	6:34 PM
3/12/00	6:45 AM	6:35 PM
3/13/00	6:43 AM	6:36 PM
3/14/00	6:42 AM	6:37 PM
3/15/00	6:41 AM	6:38 PM
3/16/00	6:39 AM	6:39 PM
3/17/00	6:38 AM	6:40 PM
3/18/00	6:36 AM	6:40 PM
3/19/00	6:35 AM	6:41 PM
3/20/00	6:34 AM	6:42 PM
3/21/00	6:32 AM	6:43 PM
3/22/00	6:31 AM	6:44 PM
3/23/00	6:29 AM	6:45 PM
3/24/00	6:28 AM	6:45 PM
3/25/00	6:26 AM	6:46 PM
3/26/00	6:25 AM	6:47 PM
3/27/00	6:24 AM	6:48 PM
3/28/00	6:22 AM	6:49 PM
3/29/00	6:21 AM	6:49 PM
3/30/00	6:19 AM	6:50 PM
3/31/00	6:18 AM	6:51 PM

### TULSA

DATE	SUNRISE	SUNSET
3/1/00	6:54 AM	6:19 PM
3/2/00	6:52 AM	6:20 PM
3/3/00	6:51 AM	6:21 PM
3/4/00	6:50 AM	6:22 PM
3/5/00	6:48 AM	6:22 PM
3/6/00	6:47 AM	6:23 PM
3/7/00	6:46 AM	6:24 PM
3/8/00	6:44 AM	6:25 PM
3/9/00	6:43 AM	6:26 PM
3/10/00	6:41 AM	6:27 PM
3/11/00	6:40 AM	6:28 PM
3/12/00	6:39 AM	6:29 PM
3/13/00	6:37 AM	6:30 PM
3/14/00	6:36 AM	6:31 PM
3/15/00	6:34 AM	6:31 PM
3/16/00	6:33 AM	6:32 PM
3/17/00	6:31 AM	6:33 PM
3/18/00	6:30 AM	6:34 PM
3/19/00	6:29 AM	6:35 PM
3/20/00	6:27 AM	6:36 PM
3/21/00	6:26 AM	6:37 PM
3/22/00	6:24 AM	6:37 PM
3/23/00	6:23 AM	6:38 PM
3/24/00	6:21 AM	6:39 PM
3/25/00	6:20 AM	6:40 PM
3/26/00	6:18 AM	6:41 PM
3/27/00	6:17 AM	6:42 PM
3/28/00	6:16 AM	6:43 PM
3/29/00	6:14 AM	6:43 PM
3/30/00	6:13 AM	6:44 PM
3/31/00	6:11 AM	6:45 PM

## CONTACT INFORMATION

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