OKLAHOMA MONTHLY CLIMATE SUMMARY
MARCH 2001

TABLE OF CONTENTS

March 2001 Oklahoma Climate Summary……..……2

March 2000/2001 Comparison Graphs.....……4

March 2001 State Summary Maps……...……..…...6

March 2001 Data Summary Tables…….....…..……....9

Climate Division Map.....14

Explanation of Tables…….....14

March 2001 Mesonet Summary……...……..……16

March 2001 Extremes and Comparisons.....17

May Climatological Normals…….....…....……...18

May Tornado Statistics.....19

90 - Day National Weather Service Outlook..……19

May Oklahoma City Climate Calendar……..…....…...20

May Tulsa Climate Calendar……...….....….....……21

May Wind Roses - Sunrise/Sunset Tables.....22

Contact Information 23

Oklahoma Climatological Survey

MONTHLY SUMMARY FOR MARCH 2001

March 2001

Statewide average temperature = 46.4º F
Statewide average rainfall = 1.45 inches

March 2001 was both cooler and drier than normal. A succession of winter storms brought cold and snow to the state on three different occasions, without providing substantial amounts of moisture. The statewide-averaged temperature of 46.4 degrees was 4.3 degrees less than normal for the month, ranking this as Oklahoma's 21st coolest March since 1892. Monthly precipitation, when averaged across the state, totaled 1.45 inches, 1.36 inches less than normal and 27th least in March in the 110 years of reliable records.

The low temperatures brought the annual temperature-to-date to 41 degrees, 1.9 degrees less than normal, to rank this as the 20th coolest January-through-March on record. The five-month-long period, November 2000 through March 2001, had an average temperature of 39.4 degrees, 4.2 degrees less than normal to rank as the third coldest November-March on record. Only the winters of 1898-99 and 1911-12 were colder. Statewide-averaged precipitation over the first three months of 2001 was 7.72 inches, 1.91 inches greater than normal and the 13th greatest January-March precipitation on record.

March Normals

Statewide average temperature = 50.7º F
Statewide average rainfall = 2.81 inches

Winter precipitation, including snow, sleet, and freezing rain, was reported in far northwestern Oklahoma on the 1st. Accumulations were slight, led by a 2-inch snowfall accumulation recorded at Hammon (Roger Mills County). The lowest temperatures of the month were recorded on the 1st when the Texas County Mesonet at sites at Goodwell and Hooker recorded daily minimum temperatures of 7 and 9 degrees, respectively. Elsewhere in the state, Broken Bow (McCurtain) reported 1.43 inches of rain and Coleman (Johnston) recorded 1.10 inches.

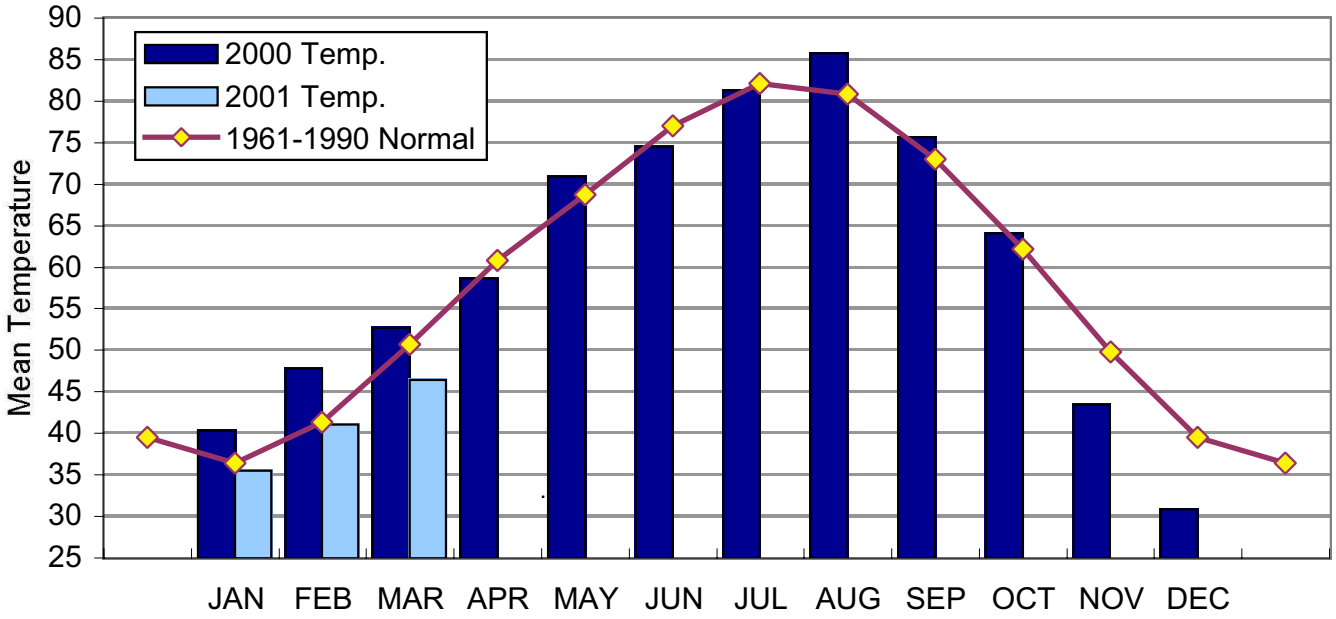
Thunderstorms on the 11th, extending through the morning of the 12th, produced high winds and spotty precipitation. Mesonet sites near Bristow (Creek) and Vinita (Craig) reported winds gusting to 53 miles per hour. Idabel (McCurtain) reported 2.18 inches of precipitation on the 12th. Carter Tower, Broken Bow, and Carnasaw Tower in McCurtain and Wann in Nowata County each reported 1.70 inches or more. A winter storm crossed the state on the 13th and 14th, producing 7 inches of snow at Boise City (Cimarron) and 3 inches at Beaver (Beaver). Otherwise precipitation was less than an inch, but the system produced very strong wind. Southerly winds in the west on the 14th produced gusts to 62 miles per hour at Boise City and Seiling (Dewey), according to Mesonet reports. Strong wind blew the roof off of a theater in Woodward (Woodward). On the 15th, with the prevailing winds having turned to northerly, high winds persisted throughout the day. Forty-nine Mesonet sites in the western half of the state recorded daily average wind speeds over 20 miles per hour. Winds at Alva (Woods) and Cheyenne (Roger Mills) averaged over 30 miles per hour over the full 24-hour period. Wind damage was reported in Stephens, Kiowa, Woodward, Custer, Jackson, Dewey, and Bryan counties.

(Continued on page 3.)

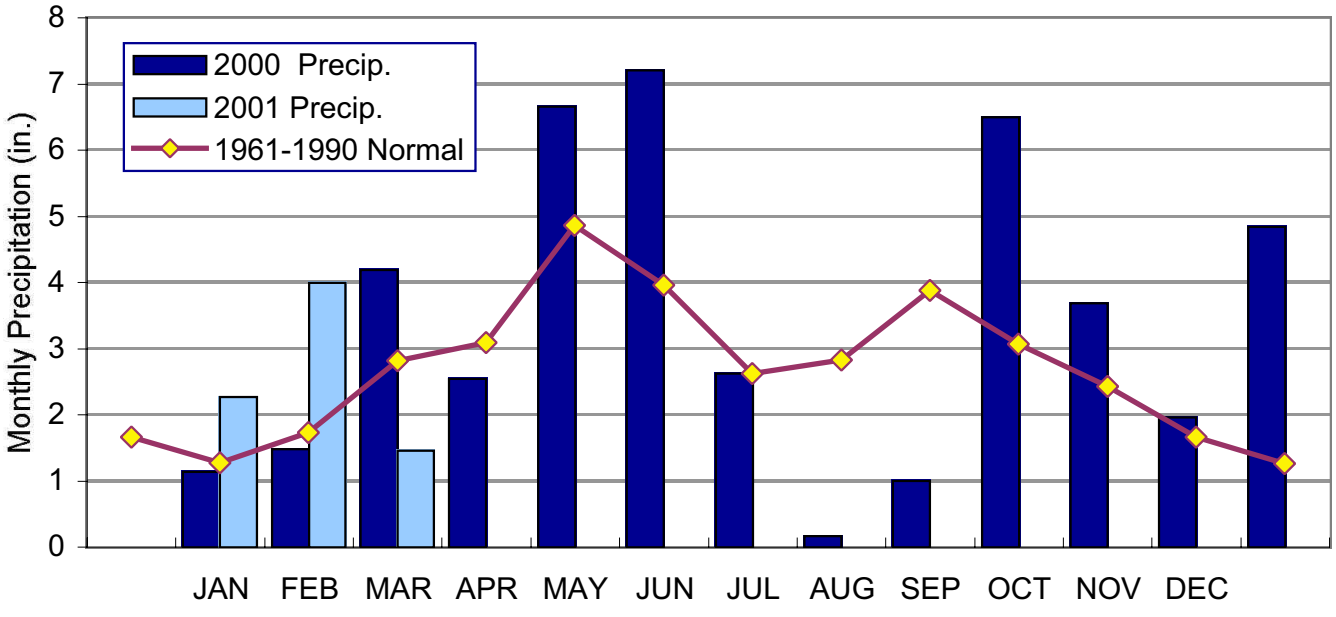
A period of mild temperatures that ensued shortly after mid-month, including 85-degree temperatures recorded by the Mesonet at Beaver and Slapout in Beaver County on the 21st, was terminated by a cold front and a less intense winter storm system from the 23rd through the 26th. Beaver reported 4 inches of snow on the 26th as snow and sleet was reported throughout the western third of the state. Allen (Pontotoc) reported 1.80 inches of rain. Mesonet sites near Ringling (Jefferson), Clayton (Pushmataha), and Talihina (LeFlore) recorded more than an inch of rain, as did conventional reporting stations at McGee Creek Dam (Atoka) and Ashland (Pittsburg).

Howard L. Johnson
Associate State Climatologist

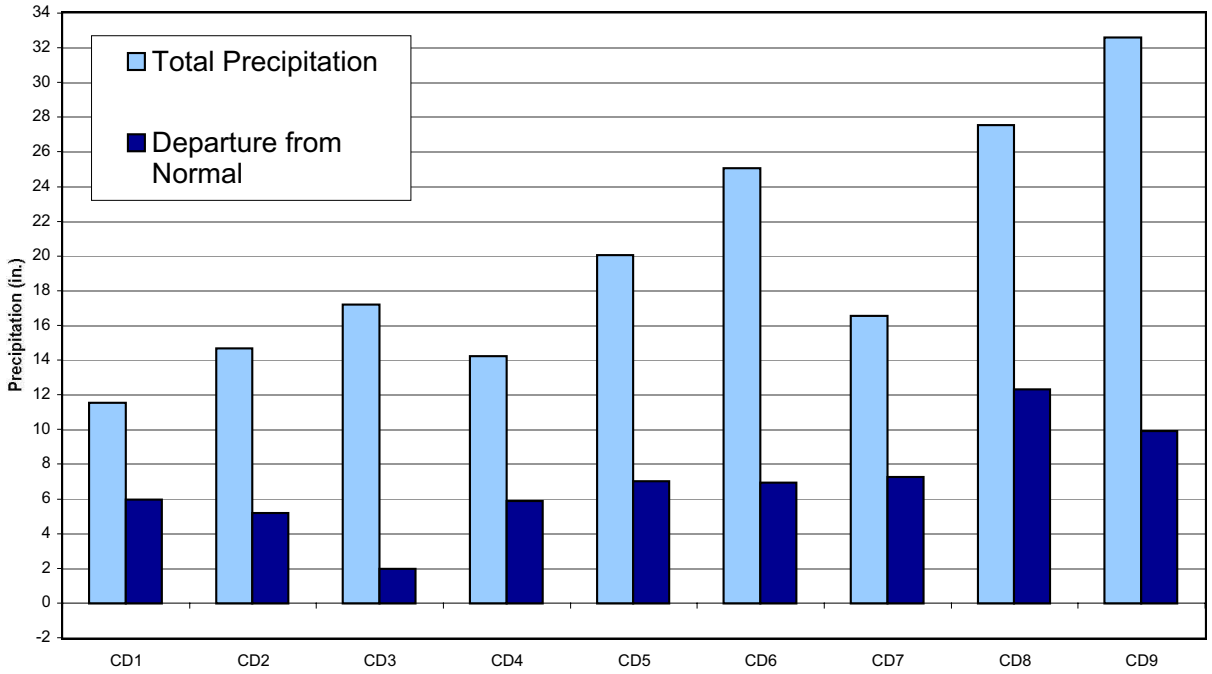
2000 AND 2001 STATEWIDE TEMPERATURES - MONTHLY AVERAGES



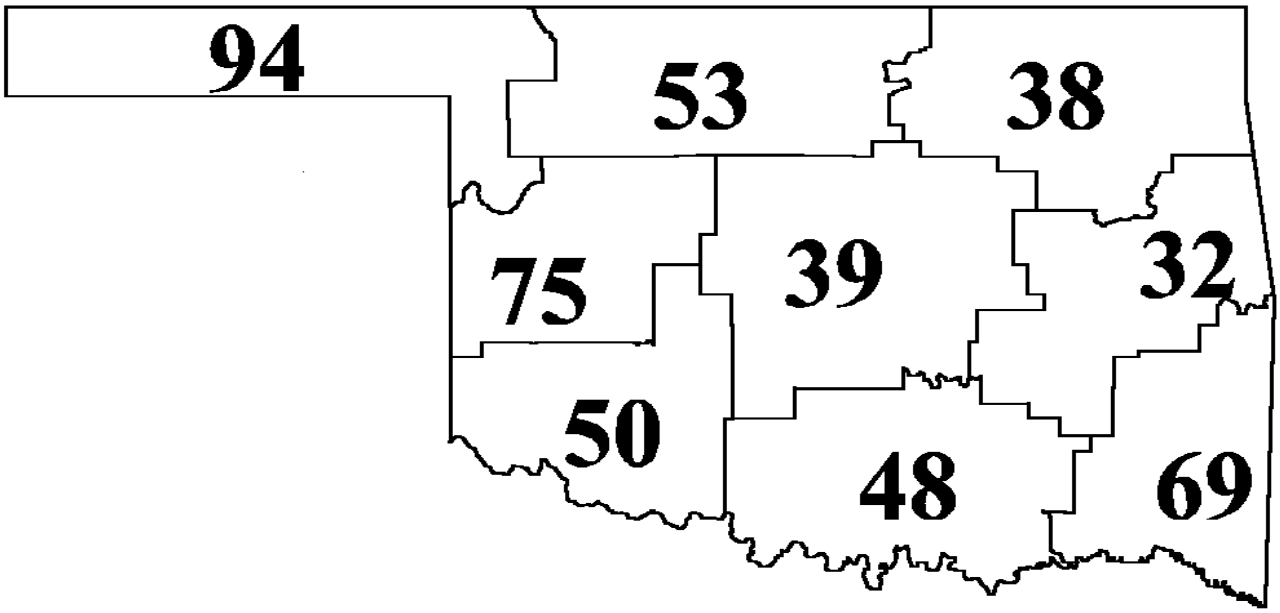
2000 AND 2001 STATEWIDE PRECIPITATION - MONTHLY TOTALS



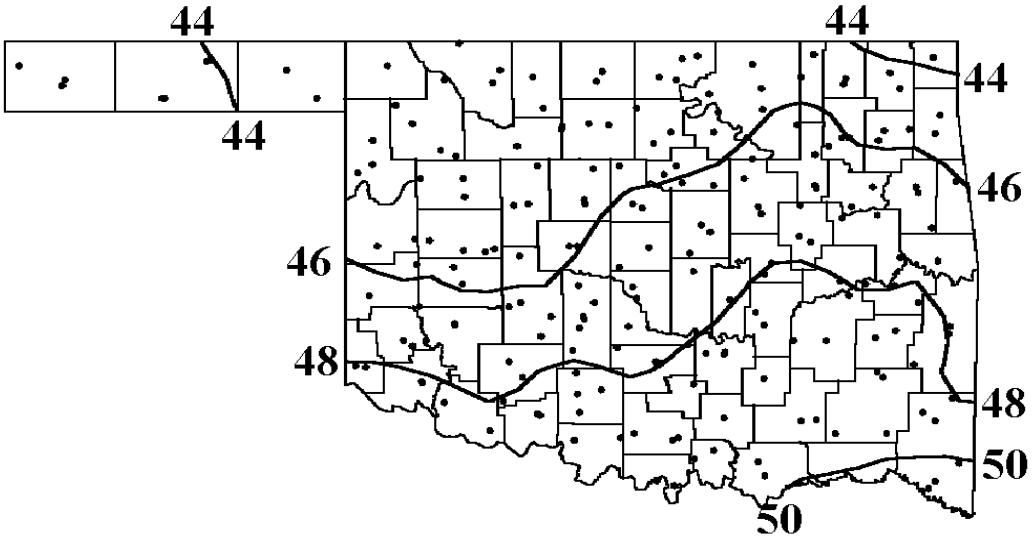
CLIMATE DIVISION AVERAGED PRECIPITATION - OCTOBER 2000 THROUGH MARCH 2001



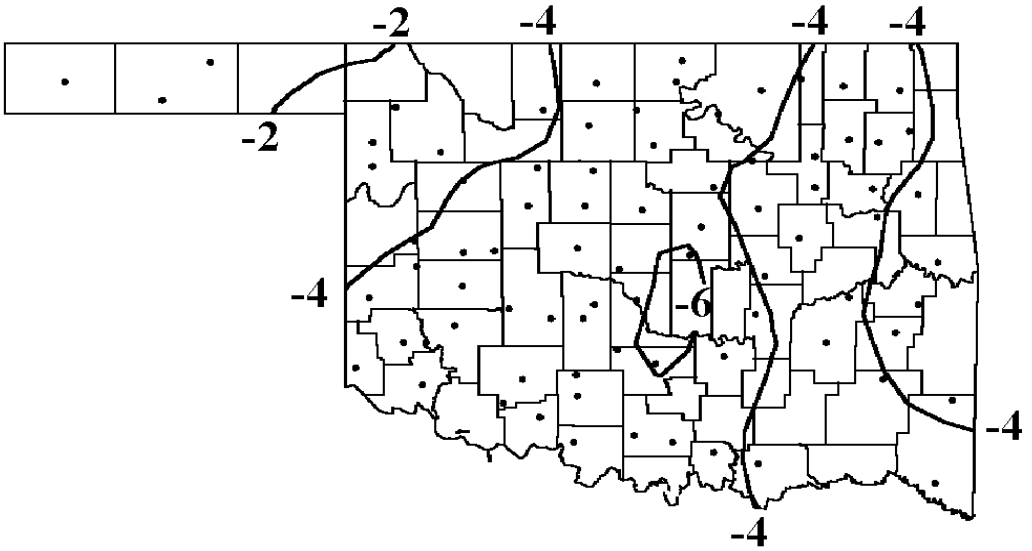
CLIMATE DIVISION PERCENT OF NORMAL PRECIPITATION - MARCH 2001



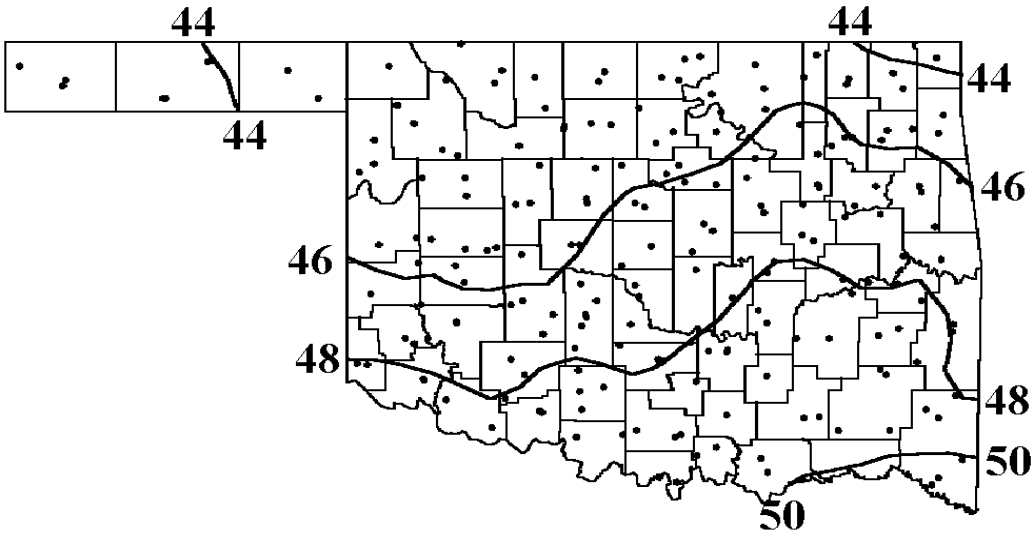
MARCH 2001 AVERAGE MONTHLY TEMPERATURE (ºF)



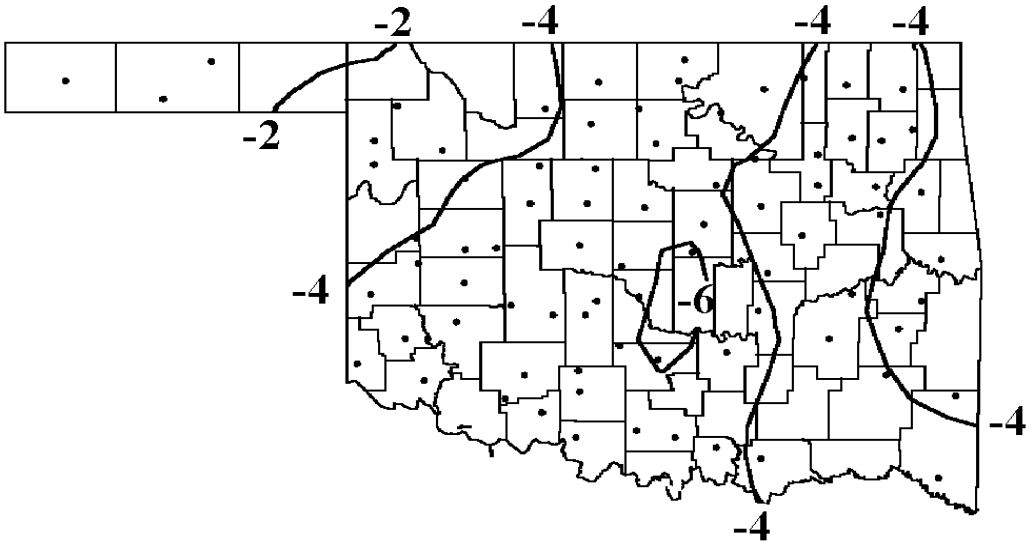
MARCH 2001 DEPARTURE FROM NORMAL TEMPERATURE (ºF)



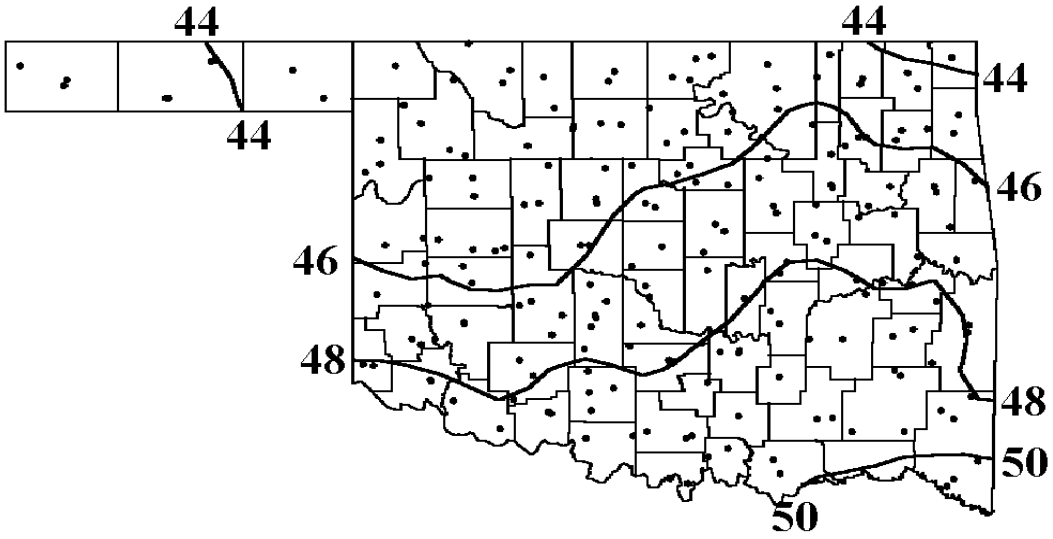
MARCH 2001 TOTAL PRECIPITATION (INCHES)



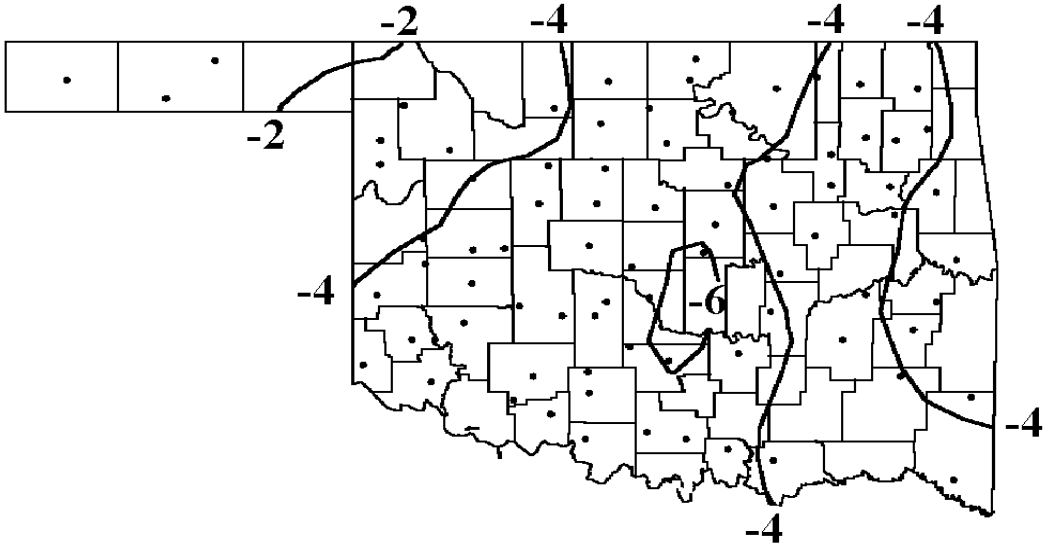
MARCH 2001 DEPARTURE FROM NORMAL PRECIPITATION (INCHES)



MARCH 2001 ACCUMULATED HEATING DEGREE DAYS (ºF)



MARCH 2001 DEPARTURE FROM NORMAL HEATING DEGREE DAYS (ºF)



MARCH 2001 SUMMARY FOR PANHANDLE CLIMATE DIVISION (CD1)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ARNETT	332	1	43.0	31	-2.8	78	22	16	1	683	88	0	0	1.100	31	-0.53	0.28	1
BEAVER	593	1	42.3	29	*****	83	22	14	1	658	******	0	******	2.031	29	*****	0.48	14
BOISE CITY	908	1	43.6	31	-1.7	78	21	17	1	663	52	0	0	1.905	31	1.02	0.80	24
BUFFALO	1243	1	*****	0	*****	****	0	****	0	******	******	******	******	0.950	31	-0.91	0.70	15
FARGO	3070	1	*****	0	*****	****	0	****	0	******	******	******	******	1.203	31	-0.43	0.35	15
GAGE	3407	1	44.1	31	-3.9	81	22	17	1	649	115	0	-7	1.274	31	-0.24	0.38	15
GATE	3489	1	43.6	29	*****	80	22	16	1	622	******	0	******	2.430	29	*****	0.87	15
GOODWELL	3628	1	42.6	31	-1.3	80	22	8	1	695	41	0	0	1.071	31	0.20	0.35	24
HOOKER	4298	1	44.7	30	-1.2	80	21	13	1	609	17	0	0	1.482	30	*****	0.51	15
LAVERNE	5045	1	*****	0	*****	****	0	****	0	******	******	******	******	1.932	31	0.23	0.79	15
TURPIN	9017	1	42.5	24	*****	81	22	15	2	540	******	0	******	1.990	24	*****	0.57	12

MARCH 2001 SUMMARY FOR NORTH CENTRAL CLIMATE DIVISION (CD2)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ALVA	193	2	43.8	31	*****	78	22	19	1	659	******	0	******	2.480	31	*****	1.66	15
VANCE AFB	302	2	*****	0	*****	****	0	****	0	******	******	******	******	0.801	31	*****	0.34	12
BILLINGS	755	2	44.0	31	-3.8	75	22	22	1	653	112	0	-8	0.791	31	-1.90	0.25	12
BLACKWELL 2E	818	2	43.5	29	*****	74	23	22	1	623	******	0	******	0.790	29	*****	0.21	1
BRAMAN	1075	2	*****	0	*****	****	0	****	0	******	******	******	******	0.671	30	*****	0.23	16
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	******	******	******	******	1.590	31	*****	0.46	16
CHEROKEE	1724	2	43.0	29	*****	75	22	19	2	638	******	0	******	2.620	29	*****	1.50	15
ENID	2912	2	44.6	31	-5.3	75	22	21	1	633	155	0	-10	1.485	31	-0.80	0.63	12
FT SUPPLY	3304	2	44.2	31	-1.8	80	21	17	1	644	48	0	-7	1.623	31	0.00	0.91	14
FREEDOM	3358	2	45.8	29	*****	82	23	19	1	558	******	0	******	1.774	31	-0.09	0.86	15
GREAT SALT P	3740	2	44.7	29	*****	76	22	20	1	590	******	0	******	1.020	29	*****	0.40	16
HARDY	3909	2	*****	0	*****	****	0	****	0	******	******	******	******	0.880	31	*****	0.42	12
HELENA	4019	2	43.4	31	-2.9	75	22	19	1	671	91	0	0	1.491	31	-0.90	0.41	16
JEFFERSON	4573	2	43.5	31	-5.6	76	22	21	1	668	168	0	-7	0.970	31	-1.62	0.39	12
LAHOMA	4950	2	44.3	31	*****	72	22	20	1	641	******	0	******	1.540	31	*****	0.52	16
LAMONT	5013	2	*****	0	*****	****	0	****	0	******	******	******	******	0.761	31	*****	0.20	16
MEDFORD	5768	2	*****	0	*****	****	0	****	0	******	******	******	******	0.860	31	*****	0.29	12
MORRISON	6065	2	*****	0	*****	****	0	****	0	******	******	******	******	1.310	31	*****	0.50	12
MUTUAL	6139	2	43.1	31	-3.1	75	22	18	1	679	96	0	0	1.391	31	-0.67	0.36	12
NEWKIRK	6278	2	42.7	31	-6.1	72	24	21	1	690	178	0	-10	0.840	31	-1.53	0.26	12
ORIENTA	6751	2	*****	0	*****	****	0	****	0	******	******	******	******	1.292	31	-0.80	0.54	16
PERRY	7012	2	45.6	30	-4.9	77	22	23	2	583	119	0	-14	0.962	31	-1.75	0.62	12
PONCA CITY	7201	2	44.2	31	-3.7	73	23	22	1	645	107	0	-8	0.344	31	-2.19	0.19	12
RED ROCK	7505	2	*****	0	*****	****	0	****	0	******	******	******	******	0.870	31	-1.72	0.52	11
WOODWARD	9760	2	*****	0	*****	****	0	****	0	******	******	******	******	1.815	31	0.00	0.41	14

MARCH 2001 SUMMARY FOR NORTHEAST CLIMATE DIVISION (CD3)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
BARTLESVILLE	548	3	45.9	31	-4.3	74	22	25	26	594	126	0	-9	2.430	31	-0.82	1.58	12
BIXBY	782	3	47.0	31	-1.5	77	22	29	19	558	38	0	-8	1.160	31	-1.99	0.72	12
BURBANK	1256	3	*****	0	*****	****	0	****	0	******	******	******	******	0.992	31	-2.00	0.62	11
CHELSEA	1717	3	*****	0	*****	****	0	****	0	******	******	******	******	1.080	31	*****	0.52	12
CLAREMORE	1828	3	44.9	31	-3.1	73	23	28	25	624	92	0	-5	1.171	31	-2.41	0.82	12
HOLLOW	4258	3	*****	0	*****	****	0	****	0	******	******	******	******	1.132	31	-2.55	0.60	12
HOMINY	4289	3	*****	0	*****	****	0	****	0	******	******	******	******	1.692	31	-1.75	1.25	12
KANSAS	4672	3	45.8	26	*****	71	23	25	26	499	******	0	******	1.102	26	*****	0.60	12
LENAPAH	5118	3	*****	0	*****	****	0	****	0	******	******	******	******	2.000	31	*****	0.93	12
MANNFORD	5522	3	46.3	31	-4.6	75	21	24	19	579	131	0	-11	1.521	31	-1.78	1.26	12
MARAMEC	5540	3	*****	0	*****	****	0	****	0	******	******	******	******	1.270	31	-1.93	0.89	12
MIAMI	5855	3	*****	0	*****	****	0	****	0	******	******	******	******	0.420	31	-3.67	0.40	16
NOWATA	6485	3	47.1	31	-2.5	76	22	25	26	555	71	0	-6	1.470	31	-2.14	0.84	12
PAWHUSKA	6935	3	45.8	31	-3.8	72	22	26	5	595	109	0	-9	1.810	31	-1.44	1.00	12
PAWNEE	6940	3	*****	0	*****	****	0	****	0	******	******	******	******	1.150	31	-1.94	0.60	12
PRYOR	7309	3	45.0	31	-3.0	75	23	27	27	619	85	0	-7	0.843	31	-2.73	0.42	12
RALSTON	7390	3	44.8	31	-5.2	73	23	25	20	627	155	0	-7	0.811	31	-2.26	0.45	12
SPAVINAW	8380	3	47.4	31	-3.8	74	23	27	25	547	107	0	-12	0.890	31	-2.69	0.50	12
TULSA	8992	3	47.1	31	-3.5	76	22	27	25	556	99	0	-11	0.776	31	-2.68	0.58	11
UPPER SPAV	9101	3	46.0	31	*****	74	24	24	26	591	******	0	******	0.774	31	*****	0.41	12
VINITA	9203	3	44.9	30	-4.0	73	22	23	26	604	98	0	-7	1.170	30	*****	0.39	12
WAGONER	9247	3	47.5	30	-4.2	78	22	28	5	524	99	0	-13	1.060	30	*****	0.54	11
WANN	9298	3	*****	0	*****	****	0	****	0	******	******	******	******	2.760	31	*****	1.75	12
WYNONA	9792	3	*****	0	*****	****	0	****	0	******	******	******	******	1.434	31	*****	1.04	12

MARCH 2001 SUMMARY FOR WEST CENTRAL CLIMATE DIVISION (CD4)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
CANTON DAM	1445	4	44.6	27	*****	77	22	20	1	550	******	0	******	1.400	27	*****	0.41	16
CLINTON	1909	4	45.8	31	-5.0	74	22	21	1	596	147	0	-9	1.342	31	-0.69	0.43	9
COLONY	2039	4	*****	0	*****	****	0	****	0	******	******	******	******	0.873	31	*****	0.51	11
CORDELL	2125	4	44.8	31	-5.8	73	22	21	1	626	173	0	-7	1.031	31	-0.92	0.40	9
ELK CITY	2849	4	44.8	31	-5.2	75	22	19	2	627	155	0	-7	1.851	31	-0.19	0.62	9
ERICK	2944	4	45.8	31	-4.4	78	22	21	1	596	131	0	-6	0.992	31	-0.71	0.37	9
HAMMON	3871	4	44.0	31	-3.4	77	22	19	1	650	99	0	-6	2.090	31	0.20	0.62	12
LEEDEY	5090	4	*****	0	*****	****	0	****	0	******	******	******	******	1.730	31	0.01	0.64	8
MACKIE	5463	4	*****	0	*****	****	0	****	0	******	******	******	******	0.100	31	*****	0.10	26
MORAVIA	6035	4	*****	0	*****	****	0	****	0	******	******	******	******	1.000	31	-0.81	0.40	9
OKEENE	6629	4	46.5	31	-4.0	75	22	24	1	574	116	0	-9	1.401	31	-0.74	0.70	11
RETROP	7565	4	*****	0	*****	****	0	****	0	******	******	******	******	1.480	31	*****	0.50	12
REYDON	7579	4	43.9	18	*****	67	7	18	1	380	******	0	******	1.521	18	*****	0.80	9
SAYRE	7952	4	*****	0	*****	****	0	****	0	******	******	******	******	1.501	31	-0.03	0.55	9
SWEETWATER	8652	4	*****	0	*****	****	0	****	0	******	******	******	******	2.621	31	*****	1.00	12
TALOGA	8708	4	44.0	30	-4.9	76	22	19	1	631	125	0	-7	1.163	31	-0.75	0.30	16
THOMAS	8815	4	*****	0	*****	****	0	****	0	******	******	******	******	1.490	31	*****	0.33	1
VICI	9172	4	*****	0	*****	****	0	****	0	******	******	******	******	2.060	31	-0.17	0.80	27
WATONGA	9364	4	44.2	31	-5.4	75	22	20	1	646	162	0	-7	1.561	31	-0.65	0.39	31
WEATHERFORD	9422	4	46.0	31	-2.0	75	24	24	1	588	61	0	0	1.510	31	-0.40	0.51	12

MARCH 2001 SUMMARY FOR CENTRAL CLIMATE DIVISION (CD5)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
AMBER	200	5	*****	0	*****	****	0	****	0	******	******	******	******	0.800	31	*****	0.47	9
BLANCHARD	830	5	48.3	31	-4.2	75	23	28	1	517	116	0	-13	0.935	31	-1.76	0.32	1
BRISTOW	1144	5	48.2	31	-3.5	78	22	28	2	522	98	2	-10	1.250	31	-1.79	0.92	12
CHANDLER	1684	5	46.4	30	-5.3	76	22	27	6	559	135	0	-12	1.201	30	*****	0.65	12
CHICKASHA EXP	1750	5	48.6	31	-3.6	76	23	26	1	507	98	0	-12	1.111	31	-1.39	0.30	9
COX CITY	2196	5	*****	0	*****	****	0	****	0	******	******	******	******	0.910	31	*****	0.30	8
CRESCENT	2242	5	*****	0	*****	****	0	****	0	******	******	******	******	1.060	31	*****	0.37	12
CUSHING	2318	5	45.9	30	-2.9	74	22	24	1	572	61	0	-9	1.291	31	-1.81	0.45	12
EDMOND	2788	5	*****	0	*****	****	0	****	0	******	******	******	******	1.860	31	*****	0.77	15
EL RENO	2818	5	46.1	30	-4.2	74	22	25	1	566	103	0	-8	1.330	30	*****	0.40	12
GUTHRIE	3821	5	45.5	31	-5.8	76	22	25	6	604	168	0	-11	1.462	31	-1.36	0.52	12
HENNESSEY	4055	5	44.5	31	-5.3	72	21	28	5	635	156	0	-8	0.841	31	-1.51	0.41	11
INGALLS	4489	5	*****	0	*****	****	0	****	0	******	******	******	******	1.270	31	*****	0.82	12
KINGFISHER	4861	5	45.7	31	-5.2	76	23	27	2	600	154	0	-9	1.140	31	-1.11	0.53	1
KONAWA	4915	5	*****	0	*****	****	0	****	0	******	******	******	******	0.950	31	-2.26	0.70	8
MARSHALL	5589	5	*****	0	*****	****	0	****	0	******	******	******	******	1.580	31	-0.89	0.56	1
MEEKER	5779	5	43.7	31	-8.0	72	24	23	1	662	238	0	-11	1.010	31	-1.80	0.48	12
MULHALL	6110	5	*****	0	*****	****	0	****	0	******	******	******	******	0.850	31	*****	0.41	12
NORMAN NWS	6386	5	46.4	31	-6.0	75	23	28	1	577	173	0	-13	0.864	31	-2.03	0.37	11
OKEMAH	6638	5	49.1	31	-2.9	76	22	30	6	493	76	1	-14	1.500	31	-1.65	0.65	12
OKLAHOMA CTY	6659	5	*****	0	*****	****	0	****	0	******	******	******	******	1.067	31	*****	0.52	12
OKLAHOMA CTY	6661	5	46.6	31	-3.7	74	23	29	1	572	108	0	-9	1.016	31	-1.69	0.52	11
PERKINS	7003	5	*****	0	*****	****	0	****	0	******	******	******	******	1.170	31	-1.73	0.63	12
PIEDMONT	7068	5	*****	0	*****	****	0	****	0	******	******	******	******	0.800	31	*****	0.29	12
PRAGUE	7264	5	*****	0	*****	****	0	****	0	******	******	******	******	1.053	31	-2.13	0.44	12
PURCELL	7327	5	46.7	29	*****	77	24	25	1	530	******	0	******	0.794	31	-2.34	0.35	28
SEMINOLE	8042	5	46.4	29	*****	77	23	26	1	539	******	0	******	1.432	29	*****	0.85	28
SHAWNEE	8110	5	*****	0	*****	****	0	****	0	******	******	******	******	1.141	31	-2.05	0.44	1
STELLA	8479	5	*****	0	*****	****	0	****	0	******	******	******	******	1.001	31	*****	0.30	1
STILLWATER	8501	5	46.1	27	*****	74	22	24	1	512	******	0	******	1.120	30	*****	0.53	12
STROUD	8563	5	*****	0	*****	****	0	****	0	******	******	******	******	1.091	31	*****	0.54	11
TECUMSEH	8751	5	*****	0	*****	****	0	****	0	******	******	******	******	1.350	31	*****	1.00	31
UNION CITY	9086	5	*****	0	*****	****	0	****	0	******	******	******	******	1.483	31	-1.43	0.58	12
WANETTE	9291	5	47.4	28	*****	76	24	26	1	492	******	0	******	1.430	28	*****	0.67	12
WELTY	9479	5	*****	0	*****	****	0	****	0	******	******	******	******	1.353	31	*****	0.98	12
WEWOKA	9575	5	*****	0	*****	****	0	****	0	******	******	******	******	0.760	31	-2.49	0.43	12

MARCH 2001 SUMMARY FOR EAST CENTRAL CLIMATE DIVISION (CD6)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ASHLAND	364	6	*****	0	*****	****	0	****	0	******	******	******	******	2.710	31	*****	1.06	24
BEGGS	631	6	*****	0	*****	****	0	****	0	******	******	******	******	0.920	31	*****	0.92	12
CALVIN	1391	6	*****	0	*****	****	0	****	0	******	******	******	******	1.600	31	-2.20	0.80	14
CHECOTAH	1711	6	*****	0	*****	****	0	****	0	******	******	******	******	0.920	31	-2.78	0.32	12
CLAYTON	1858	6	*****	0	*****	****	0	****	0	******	******	******	******	1.170	31	*****	0.40	29
DEWAR	2485	6	*****	0	*****	****	0	****	0	******	******	******	******	1.662	31	-1.89	0.95	12
DUSTIN	2690	6	*****	0	*****	****	0	****	0	******	******	******	******	1.200	31	*****	0.74	12
EUFAULA	2993	6	49.1	31	-4.3	76	22	31	6	493	115	0	-19	1.520	31	-2.65	0.55	12
HANNA	3884	6	49.1	18	*****	73	13	31	17	287	******	0	******	1.250	31	-2.82	0.60	12
HOLDENVILLE	4235	6	47.9	31	-4.6	78	22	31	16	530	130	0	-12	1.101	31	-2.24	0.70	11
LAKE EUFAULA	4975	6	46.2	31	*****	75	23	29	1	582	******	0	******	1.023	31	*****	0.74	12
LYONS	5437	6	*****	0	*****	****	0	****	0	******	******	******	******	0.892	31	-3.36	0.52	12
MARBLE CITY	5546	6	*****	0	*****	****	0	****	0	******	******	******	******	0.400	31	*****	0.22	31
MCALESTER	5664	6	48.9	31	-3.3	77	23	30	17	501	90	0	-14	1.831	31	-2.17	0.76	11
MCCURTAIN	5693	6	49.0	31	-4.5	78	22	31	25	496	119	0	-20	0.824	31	-3.29	0.45	29
MUSKOGEE	6130	6	47.5	31	-4.5	78	22	28	25	544	128	0	-13	0.612	31	-2.94	0.31	11
OKMULGEE	6670	6	48.8	31	-0.8	77	22	31	6	504	17	1	-9	1.250	31	-2.20	0.72	11
OKTAHA	6678	6	*****	0	*****	****	0	****	0	******	******	******	******	0.760	31	*****	0.29	12
SALLISAW	7862	6	47.8	31	-4.5	74	23	30	17	534	128	0	-13	0.810	31	-3.43	0.21	12
SCIPIO	7979	6	*****	0	*****	****	0	****	0	******	******	******	******	1.680	31	*****	0.79	12
STILWELL	8506	6	44.6	28	*****	70	13	26	19	571	******	0	******	1.830	31	-2.45	0.90	16
TAHLEQUAH	8677	6	46.9	31	-4.2	76	22	25	5	562	119	0	-12	1.361	31	-2.73	0.95	12
WEBBERS FALL	9445	6	47.6	28	*****	79	23	28	17	487	******	0	******	1.090	29	*****	0.53	12

MARCH 2001 SUMMARY FOR SOUTHWEST CLIMATE DIVISION (CD7)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ALTUS	179	7	47.8	31	-5.7	78	21	24	2	532	162	0	-14	0.960	31	-0.60	0.31	9
ALTUS DAM	184	7	47.6	31	-3.2	77	22	26	1	539	90	1	-9	1.120	31	-0.61	0.42	9
ANADARKO	224	7	44.1	31	-7.3	73	22	23	1	649	220	0	-7	1.091	31	-1.08	0.43	9
APACHE	260	7	*****	0	*****	****	0	****	0	******	******	******	******	1.760	31	-0.59	0.70	12
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	******	******	******	******	0.956	31	*****	0.43	27
CARNEGIE	1504	7	45.7	31	-5.7	73	22	24	1	600	170	0	-8	1.645	31	-0.35	0.67	12
CHATTANOOGA	1706	7	46.5	31	-6.4	76	24	26	1	574	187	0	-12	0.100	31	-2.03	0.10	1
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	******	******	******	******	0.603	31	*****	0.21	26
FREDERICK	3353	7	49.0	26	*****	76	22	32	28	415	******	0	******	1.070	26	*****	0.51	9
HEADRICK	3998	7	*****	0	*****	****	0	****	0	******	******	******	******	1.030	31	*****	0.33	19
HOBART	4204	7	46.3	31	-5.2	74	22	22	1	579	151	0	-10	0.835	31	-0.84	0.38	9
HOLLIS	4249	7	48.6	31	-4.3	79	21	22	1	510	122	0	-12	0.960	31	-0.42	0.39	9
LAWTON	5063	7	47.5	31	-3.8	75	24	25	1	543	109	0	-10	0.611	31	-1.52	0.23	9
LOOKEBA	5329	7	*****	0	*****	****	0	****	0	******	******	******	******	1.280	31	-0.90	0.42	9
MANGUM	5509	7	46.8	31	-6.2	78	22	28	2	564	177	0	-15	0.892	31	-0.64	0.46	9
RANDLETT	7403	7	*****	0	*****	****	0	****	0	******	******	******	******	1.082	31	*****	0.56	9
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	******	******	******	******	1.030	31	-0.70	0.51	9
SEDAN	8016	7	*****	0	*****	****	0	****	0	******	******	******	******	0.880	31	*****	0.32	9
SNYDER	8299	7	*****	0	*****	****	0	****	0	******	******	******	******	0.763	31	-1.03	0.30	9
VINSON	9212	7	*****	0	*****	****	0	****	0	******	******	******	******	0.722	31	-0.75	0.42	9
WALTERS	9278	7	48.8	31	-5.2	78	24	26	1	502	144	0	-17	0.860	31	-1.69	0.37	1
WICHITA MT	9629	7	47.5	25	*****	77	24	23	2	437	******	0	******	0.730	28	*****	0.36	9
WILLOW	9668	7	*****	0	*****	****	0	****	0	******	******	******	******	0.970	31	*****	0.49	8

MARCH 2001 SUMMARY FOR SOUTH CENTRAL CLIMATE DIVISION (CD8)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ADA	17	8	48.0	31	-4.9	76	23	27	1	526	134	0	-17	0.943	31	-2.32	0.32	12
ALLEN	147	8	*****	0	*****	****	0	****	0	******	******	******	******	2.950	31	*****	1.80	24
ARDMORE	292	8	51.0	30	-4.5	78	22	34	16	420	100	0	-26	0.480	31	-2.62	0.34	27
ATOKA	391	8	48.1	29	*****	77	23	20	2	492	******	0	******	1.431	29	*****	0.64	12
BOKCHITO	917	8	*****	0	*****	****	0	****	0	******	******	******	******	2.510	31	*****	0.92	1
CENTRAHOMA	1648	8	47.3	28	*****	73	22	30	1	496	******	0	******	1.800	29	*****	0.90	12
COLEMAN	2011	8	*****	0	*****	****	0	****	0	******	******	******	******	2.650	31	*****	1.10	1
COMANCHE	2054	8	50.0	31	*****	75	23	26	2	465	******	0	******	1.570	31	-1.06	0.80	30
DAISY	2354	8	*****	0	*****	****	0	****	0	******	******	******	******	1.153	31	-3.23	0.30	12
DUNCAN	2660	8	48.0	30	-3.8	77	24	26	1	510	89	0	-12	0.723	30	*****	0.24	1
DURANT	2678	8	49.6	31	-2.7	77	22	32	19	476	65	0	-17	2.261	31	-1.48	0.80	11
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	******	******	******	******	0.900	31	*****	0.80	9
GRADY	3688	8	*****	0	*****	****	0	****	0	******	******	******	******	0.760	31	*****	0.42	9
HEALDTON	4001	8	48.2	30	-5.6	78	24	27	1	505	139	0	-19	1.620	30	*****	0.49	24
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	******	******	******	******	0.730	31	*****	0.25	9
KETCHUM RAN	4780	8	*****	0	*****	****	0	****	0	******	******	******	******	0.610	31	*****	0.16	27
KINGSTON	4865	8	*****	0	*****	****	0	****	0	******	******	******	******	2.000	31	-1.56	0.95	11
LEHIGH	5108	8	*****	0	*****	****	0	****	0	******	******	******	******	2.155	31	*****	1.10	12
LINDSAY	5216	8	46.2	31	-6.5	76	24	26	1	582	187	0	-13	1.050	31	-1.84	0.44	12
LOCO	5247	8	*****	0	*****	****	0	****	0	******	******	******	******	1.240	31	*****	0.46	24
MADILL	5468	8	48.9	30	-5.5	79	23	30	2	484	135	0	-20	2.420	30	*****	0.80	12
MARIETTA 5 SW	5563	8	47.6	31	-7.0	76	23	29	1	538	196	0	-20	3.090	31	-0.22	0.94	1
MARLOW	5581	8	50.4	30	-2.6	78	23	28	1	439	53	0	-14	1.020	31	-1.42	0.31	9
MCGEE CREEK	5713	8	49.7	31	*****	79	23	27	13	477	******	2	******	2.630	31	*****	1.15	24
PAULS VALLEY	6926	8	46.4	31	-7.0	78	24	27	1	578	204	0	-15	1.030	31	-1.89	0.35	1
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	******	******	******	******	1.600	31	-2.05	0.59	11
TISHOMINGO	8884	8	*****	0	*****	****	0	****	0	******	******	******	******	2.820	31	-0.88	0.93	11
TUSSY	9032	8	*****	0	*****	****	0	****	0	******	******	******	******	0.000	31	*****	0.00	31
WAURIKA	9395	8	50.1	31	-4.7	80	23	30	1	462	123	1	-23	0.683	31	-1.68	0.27	8

MARCH 2001 SUMMARY FOR SOUTHEAST CLIMATE DIVISION (CD9)

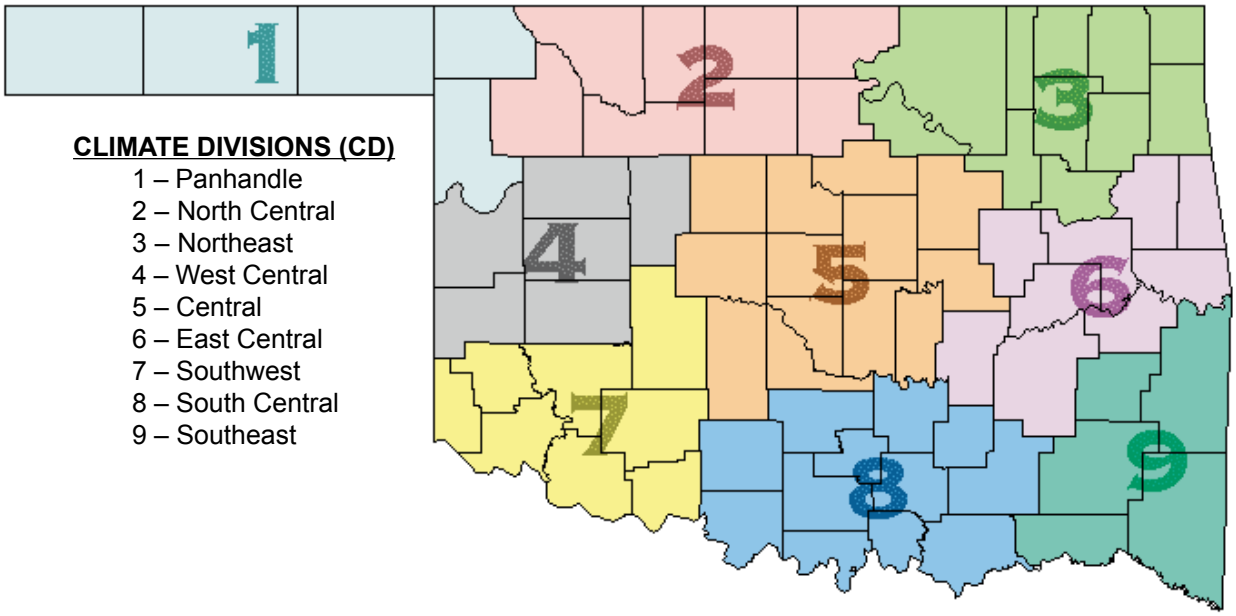
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
BATTIEST	567	9	47.1	31	*****	78	24	26	17	554	******	0	******	4.095	31	*****	1.42	12
BENGAL	670	9	*****	0	*****	****	0	****	0	******	******	******	******	2.080	31	*****	0.64	24
BROKEN BOW	1162	9	*****	0	*****	****	0	****	0	******	******	******	******	5.930	31	1.04	1.80	12
CARNASAW	1499	9	*****	0	*****	****	0	****	0	******	******	******	******	3.922	31	-1.34	1.70	12
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	******	******	******	******	4.090	31	-0.77	1.86	12
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	******	******	******	******	1.460	31	-2.87	0.38	12
IDABEL	4451	9	51.2	31	-2.2	78	23	30	4	428	57	1	-11	4.780	31	-0.07	2.18	12
PAGE	6842	9	45.8	17	*****	77	23	24	16	326	******	0	******	3.250	19	*****	2.58	15
SMITHVILLE	8285	9	46.8	31	-5.0	77	23	25	17	565	143	0	-13	4.811	31	-0.52	1.32	12
SPIRO	8416	9	*****	0	*****	****	0	****	0	******	******	******	******	0.910	31	-3.40	0.23	12
TUSKAHOMA	9023	9	50.0	31	-4.0	78	23	28	25	466	107	0	-18	2.252	31	-1.88	0.60	24
VALLIANT	9118	9	*****	0	*****	****	0	****	0	******	******	******	******	4.501	31	0.04	1.61	12
WILBURTON	9634	9	48.5	31	-4.2	78	22	27	17	512	116	0	-14	1.161	31	-3.01	0.50	28
WISTER	9724	9	48.0	31	*****	77	23	27	17	526	******	0	******	1.640	31	*****	0.57	29

MARCH 2001 CLIMATE DIVISION SUMMARY

NAME	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
CLIMATE DIVISION 1	1	43.6	5	-2.4	83	22	8	1	660	69	0	-3	1.350	7	-0.09	0.87	15
CLIMATE DIVISION 2	2	43.9	11	-4.3	82	23	17	1	651	124	0	-7	1.230	21	-1.07	1.66	15
CLIMATE DIVISION 3	3	46.1	13	-3.6	78	22	23	26	582	98	0	-9	1.310	21	-2.16	1.75	12
CLIMATE DIVISION 4	4	45.1	9	-4.3	78	22	18	1	615	124	0	-7	1.430	18	-0.48	1.00	12
CLIMATE DIVISION 5	5	46.5	13	-4.8	78	22	23	1	568	133	0	-11	1.120	31	-1.74	1.00	31
CLIMATE DIVISION 6	6	48.0	9	-3.8	79	23	25	5	527	105	0	-13	1.240	22	-2.66	1.06	24
CLIMATE DIVISION 7	7	47.0	10	-5.0	79	21	22	1	559	145	0	-11	0.960	21	-0.97	0.70	12
CLIMATE DIVISION 8	8	48.8	13	-4.8	80	23	20	2	497	127	0	-17	1.530	24	-1.65	1.80	24
CLIMATE DIVISION 9	9	48.6	6	-4.4	78	22	24	16	508	121	0	-14	3.200	13	-1.46	2.58	15

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



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

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.

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)

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.

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)

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.

MESONET MONTHLY SUMMARY FOR MARCH 2001

NAME	MEAN TEMP	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HDD	CDD	TOT PPT	MAX 24-HR	MAX DAY
PANHANDLE										
Arnett	45.4	78	21	26	1	609	0	1.21	0.37	1
Beaver	44.4	85	21	24	1	596	0	1.84	0.50	1
Boise City	42.1	79	21	17	16	711	0	1.34	0.44	18
Buffalo	44.6	81	21	25	17	632	0	2.15	1.26	15
Goodwell	42.5	79	21	7	1	698	0	1.82	0.41	1
Hooker	43.4	79	21	9	1	670	0	2.12	0.52	14
Kenton	43.0	79	21	15	1	682	0	1.52	0.29	18
Slapout	45.0	85	21	25	1	621	0	1.93	0.63	14
NORTH CENTRAL										
Alva	44.7	78	21	24	5	629	0	3.48	1.77	15
Blackwell	45.0	75	21	27	1	620	0	0.76	0.28	15
Breckenridge	44.9	74	21	27	1	622	0	0.96	0.36	11
Cherokee	44.9	74	21	26	1	622	0	2.41	1.64	15
Fairview	45.4	77	21	25	1	608	0	1.50	0.80	15
Freedom	44.7	79	21	25	1	629	0	1.75	0.88	15
Lahoma	44.9	74	21	26	1	622	0	1.12	0.49	15
May Ranch	43.8	77	21	25	1	656	0	2.49	1.29	15
Medford	44.5	73	21	25	5	634	0	*****	*****	**
Newkirk	44.6	73	22	24	5	631	0	1.02	0.45	11
Red Rock	45.4	76	21	26	2	607	0	1.41	0.59	11
Seiling	45.1	76	21	25	5	616	0	1.42	0.43	15
Woodward	45.7	79	21	26	5	597	0	2.17	0.77	15
NORTHEAST										
Bixby	46.9	76	22	28	5	562	0	1.06	0.59	11
Burbank	45.4	74	23	27	1	606	0	1.04	0.55	11
Catoosa	46.8	75	22	27	5	564	0	1.32	0.78	11
Claremore	45.8	74	22	25	9	595	0	1.14	0.45	11
Copan	44.9	71	22	25	26	622	0	1.73	1.05	15
Foraker	44.6	71	13	24	9	633	0	1.84	0.79	15
Jay	44.3	72	22	21	25	643	0	1.02	0.43	11
Miami	43.8	72	22	22	26	656	0	0.77	0.44	15
Nowata	44.2	72	22	25	6	644	0	1.75	0.78	15
Pawnee	45.9	74	21	27	5	592	0	1.51	0.79	11
Porter	47.4	77	22	29	5	545	0	0.79	0.35	11
Pryor	44.8	73	22	25	25	626	0	0.86	0.32	11
Skiatook	46.2	73	22	27	1	583	0	1.66	0.84	11
Vinita	43.8	73	22	23	5	658	0	1.15	0.53	15
Wynona	46.1	74	22	27	5	586	0	1.71	1.05	11
WEST CENTRAL										
Bessie	47.5	75	21	28	1	542	0	1.66	0.57	8
Butler	46.9	77	21	26	1	561	0	1.65	0.41	1
Camargo	45.2	76	21	26	5	614	0	1.17	0.30	1
Cheyenne	46.0	76	21	26	1	590	0	2.35	0.73	8
Erick	46.5	77	21	27	1	574	0	0.99	0.48	8
Putnam	45.0	74	21	25	1	619	0	*****	*****	**
Retrop	47.3	76	21	27	1	547	0	1.14	0.37	8
Watonga	45.6	74	21	26	1	601	0	1.88	0.54	1
Weatherford	46.0	73	21	26	1	590	0	1.53	0.36	8
CENTRAL										
Acme	47.1	75	23	29	1	554	0	0.95	0.32	8
Bowlegs	48.1	76	22	29	17	523	0	1.14	0.29	30
Bristow	46.9	76	22	29	2	562	1	1.16	0.76	11
Chandler	47.3	74	21	29	1	550	0	1.54	0.59	11
Chickasha	47.1	76	23	27	20	554	0	0.79	0.32	8
El Reno	45.1	75	21	24	5	617	0	1.08	0.45	11
Guthrie	46.8	75	21	27	5	564	0	1.77	0.87	11
Kingfisher	46.0	74	21	28	1	589	0	1.00	0.26	1
Marena	46.2	76	21	27	5	582	0	1.08	0.49	11
Marshall	46.0	75	21	27	5	589	0	1.15	0.34	11
Minco	46.3	72	21	28	1	579	0	1.46	0.63	11
Ninnekah	47.1	75	23	29	1	553	0	0.83	0.39	8
Norman	47.0	75	23	28	1	556	0	0.73	0.25	8
Oilton	45.2	74	22	23	5	614	0	1.25	0.73	11
Okemah	47.5	77	22	29	5	543	1	1.38	0.68	11
Perkins	46.3	74	21	28	1	579	0	1.16	0.47	11
Shawnee	47.0	75	23	29	1	557	0	0.76	0.46	11
Spencer	47.0	74	22	27	5	558	0	1.02	0.40	11
Stillwater	46.1	76	21	27	5	585	0	1.24	0.52	11
Washington	48.0	76	23	30	1	527	0	1.06	0.35	11
EAST CENTRAL										
Calvin	48.6	76	23	30	17	507	0	1.22	0.44	11
Cookson	46.0	74	22	24	5	589	0	1.04	0.44	11
Eufaula	48.6	77	22	32	1	508	0	1.09	0.57	11
Haskell	47.0	76	22	28	5	556	0	0.89	0.42	11
Hectorville	47.6	77	22	30	1	540	0	0.93	0.59	11
McAlester	48.5	77	22	30	17	511	0	1.94	0.79	11
Okmulgee	47.2	77	22	29	6	551	1	1.06	0.59	11
Sallisaw	47.9	74	22	28	17	529	0	0.69	0.21	28
Stigler	48.1	77	22	30	6	524	0	0.96	0.65	11
Stuart	48.7	75	22	30	17	506	0	1.43	0.78	11
Tahlequah	45.8	75	22	25	5	595	0	1.04	0.43	11
Webbers Falls	48.2	77	22	29	17	520	0	0.79	0.46	11
Westville	46.1	73	22	26	25	586	0	0.86	0.43	11
SOUTHWEST										
Altus	48.7	79	21	28	16	505	0	0.99	0.34	8
Apache	47.1	73	21	28	1	554	0	1.22	0.43	11
Fort Cobb	47.1	75	21	28	1	554	0	1.37	0.49	8
Grandfield	48.8	78	21	28	16	502	0	1.29	0.55	8
Hinton	46.1	74	21	26	1	584	0	1.32	0.39	11
Hobart	46.9	74	21	27	1	561	0	1.35	0.61	8
Hollis	48.6	79	21	28	1	508	0	1.11	0.39	8
Mangum	47.0	76	21	25	1	557	0	1.00	0.30	8
Medicine Park	48.5	75	23	28	1	510	0	1.15	0.27	11
Tipton	48.5	76	23	27	16	510	0	0.89	0.32	8
Walters	49.1	76	23	30	1	492	0	0.71	0.22	8
SOUTH CENTRAL										
Ada	48.1	77	23	27	17	524	0	0.76	0.23	11
Ardmore	49.7	76	23	31	1	474	0	0.88	0.18	8
Burneyville	49.6	77	22	30	20	478	0	0.97	0.40	8
Byars	48.3	77	23	30	1	516	0	0.91	0.30	11
Centrahoma	48.3	76	23	29	20	516	0	1.50	0.82	11
Durant	50.3	75	22	34	1	454	0	1.72	0.37	24
Ketchum Ranch	48.8	77	23	30	1	503	0	0.65	0.22	8
Lane	49.4	76	22	32	20	482	0	1.06	0.38	28
Madill	49.9	75	22	32	1	469	0	1.24	0.28	8
Pauls Valley	49.2	78	23	30	17	489	0	1.05	0.36	1
Ringling	49.5	77	23	31	1	479	0	1.97	1.32	23
Sulphur	48.4	77	23	28	20	515	0	0.65	0.26	8
Tishomingo	49.2	77	23	32	17	490	0	0.93	0.41	11
Vanoss	48.5	78	23	29	17	510	0	0.54	0.11	1
Waurika	49.8	77	23	31	1	472	0	1.23	0.44	1
SOUTHEAST										
Antlers	49.1	77	22	29	21	492	0	2.91	1.29	11
Broken Bow	50.6	78	22	31	17	446	0	4.48	1.55	11
Clayton	49.1	78	22	29	17	493	0	2.46	1.20	23
Cloudy	49.8	75	22	33	17	472	0	3.61	1.62	11
Hugo	****	***	**	***	**	****	****	*****	*****	**
Idabel	50.9	76	22	33	17	437	0	4.34	1.51	11
Mt Herman	48.9	74	22	30	17	500	0	4.01	1.64	11
Talihina	49.4	77	22	29	17	484	0	2.85	1.20	23
Wilburton	48.4	77	22	28	17	514	0	1.40	0.54	28
Wister	47.5	77	22	26	17	542	0	1.51	0.48	11

EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION MARCH 2001

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	83	22	BEAVER	8	1	GOODWELL	.87	15	GATE	2.43	GATE
2	82	23	FREEDOM	17	1	FT SUPPLY	1.66	15	ALVA	2.62	CHEROKEE
3	78	22	WAGONER	23 23	25 26	VINITA VINITA	1.75	12	WANN	2.76	WANN
4	78	22	ERICK	18	1	REYDON	1.00	12	SWEETWATER	2.62	SWEETWATER
5	78	22	BRISTOW	23	1	MEEKER	1.00	31	TECUMSEH	1.86	EDMOND
6	79	23	WEBBERS FALL	25	5	TAHLEQUAH	1.06	24	ASHLAND	2.71	ASHLAND
7	79	21	HOLLIS	22 22	1 1	HOBART HOLLIS	.70	12	APACHE	1.76	APACHE
8	80	23	WAURIKA	20	2	ATOKA	1.80	24	ALLEN	3.09	MARIETTA
9	78 78 78 78 78	23 24 23 22 23	BATTIEST BATTIEST IDABEL TUSKAHOMA TUSKAHOMA	24	16	PAGE	2.58	15	PAGE	5.93	BROKEN BOW

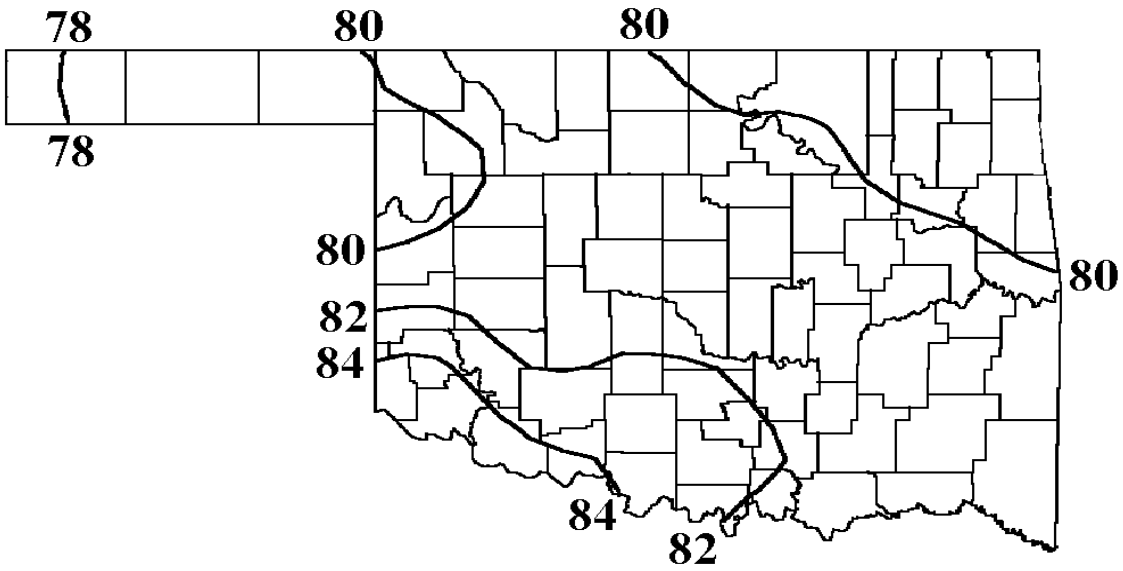
TABLE OF 2000/2001 COMPARISONS

	MARCH Temperature (°F)		MARCH Precipitation (in.)	
Station	**2000**	**2001**	**2000**	**2001**
Arnett	47.7	43.0	5.16	1.10
Enid	50.8	44.6	1.14	1.49
Tulsa	53.2	47.1	3.76	0.78
Elk City	50.7	44.8	6.39	1.85
Oklahoma City	53.4	46.6	3.12	1.02
McAlester	55.8	48.9	2.91	1.83
Altus Irr Station	53.7	47.8	4.87	0.96
Ardmore	58.5	51.0	3.32	0.48
Idabel	58.6	51.2	3.33	4.78

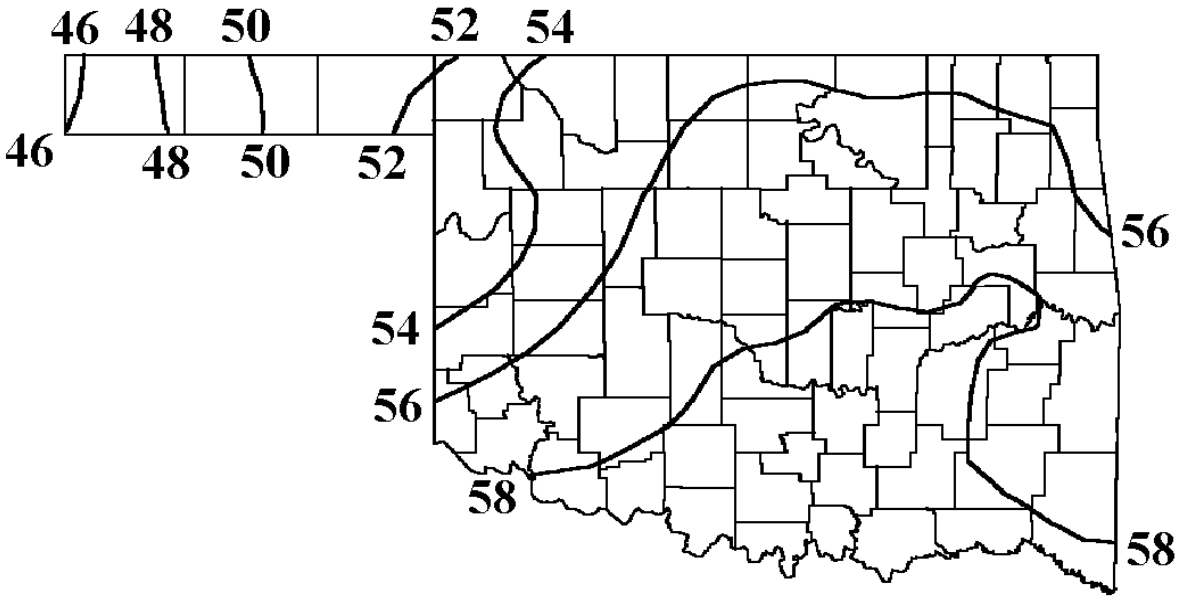
MARCH 2001 STATEWIDE EXTREMES

VARIABLE	STATION	DIVISION	OBSERVATION	DATE
Minimum temperature (°F)	Goodwell	1	8	1
Maximum temperature (°F)	Beaver	1	83	22
Maximum 24-hour Precipitation	Page	9	2.58	15

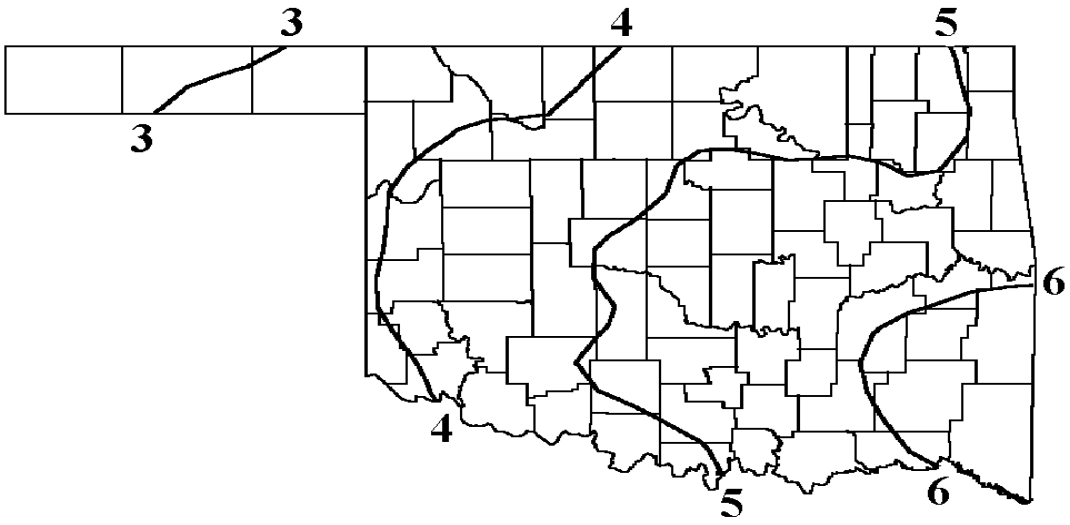
MAY NORMAL DAILY MAXIMUM TEMPERATURE (ºF)



MAY NORMAL DAILY MINIMUM TEMPERATURE (ºF)



MAY NORMAL MONTHLY PRECIPITATION (INCHES)



MAY TORNADO STATISTICS

The most tornadoes reported in **MAY** for Oklahoma was **(91)** in **1999**.

The average number of tornadoes in **MAY** for Oklahoma is **(20)**.

OUTLOOK FOR MAY 2001 THROUGH JULY 2001

BASED ON SEASONAL OUTLOOK PROVIDED BY THE CLIMATE PREDICTION CENTER

Temperature: Near normal temperature statewide

Precipitation: Near normal precipitation statewide

OKLAHOMA CITY CLIMATE CALENDAR

MAY

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	64	76		93	1948	53	1966	53		66	1938	33	1909	0.13		1.63	1954
2	65	76		94	1943	51	1994	54		69	1959	39	1961	0.14		2.99	1990
3	65	76		95	1920	49	1978	54		70	1949	32	1954	0.14		3.58	1898
4	65	76		93	1955	44	1935	54		72	1950	34	1907	0.15		3.60	1898
5	66	76		94	1940	50	1935	55		69	1940	37	1917	0.15		4.24	1899
6	66	77		92	1918	48	1908	55		70	1986	37	1944	0.16		2.61	1930
7	66	77		93	1955	55	1893	55		71	1927	39	1917	0.16		2.27	1892
8	66	77		96	1918	50	1943	55		70	1927	37	1917	0.16		6.64	1993
9	66	77		93	1895	55	1943	56		70	1963	40	1923	0.16		3.37	1943
10	67	78		96	1967	53	1954	56		71	1963	40	1924	0.17		4.71	1950
11	67	78		94	1923	54	1954	56		70	1963	37	1981	0.17		2.85	1920
12	67	78		93	1992	55	1914	56		72	1956	39	1979	0.17		2.26	1982
13	68	78		95	1984	49	1953	57		69	1991	39	1971	0.17		2.58	1983
14	68	78		92	1952	55	1934	57		70	1998	41	1953	0.17		2.48	1986
15	68	79		90	1966	48	1945	57		72	1999	38	1907	0.18		3.59	1920
16	68	79		92	1966	56	1920	58		75	1974	42	1945	0.18		1.81	1986
17	69	79		96	1966	61	1986	58		74	1974	40	1945	0.18		3.17	1951
18	69	79		95	1956	59	1943	58		72	1996	45	1976	0.18		1.50	1902
19	69	80		96	1973	61	1943	59		72	1996	40	1894	0.18		3.35	1955
20	69	80		94	1990	63	1942	59		74	1902	43	1981	0.18		2.74	1979
21	69	80		95	1953	56	1968	59		73	1953	42	1892	0.18		2.81	1922
22	70	81		98	1939	57	1892	59		74	1953	42	1931	0.18		3.09	1952
23	70	81		99	1939	60	1963	60		76	1996	42	1892	0.18		4.16	1908
24	70	81		94	1939	59	1995	60		74	1996	42	1935	0.18		4.06	1903
25	71	81		93	1990	59	1995	60		72	1965	47	1947	0.18		1.49	1968
26	71	82		96	1953	58	1950	61		74	1916	45	1901	0.18		3.22	1995
27	72	82		96	1927	59	1893	61		74	1912	42	1907	0.18		5.38	1987
28	72	82		93	1895	52	1992	61		71	1942	43	1947	0.18		2.33	1987
29	72	82		94	1985	57	1902	62		73	1989	39	1947	0.18		5.63	1970
30	72	83		104	1985	64	1915	62		74	1974	45	1947	0.18		1.67	1958
31	73	83		98	1934	54	1903	62		74	1991	44	1983	0.17		2.14	1892
MONTH	**68.4**	**79.1**		**104**	**1985**	**44**	**1935**	**57.7**		**76**	**1996**	**32**	**1954**	**5.22**		**6.64**	**1993**

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

TULSA CLIMATE CALENDAR

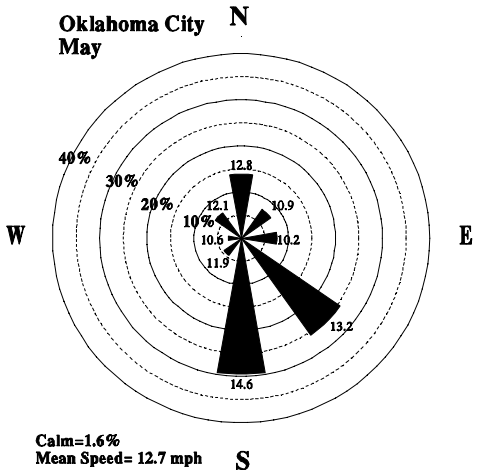
MAY

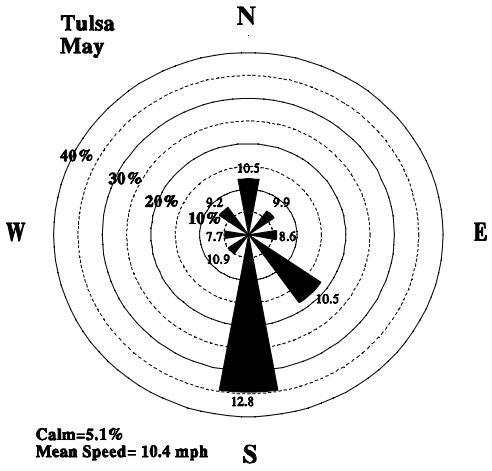
The data on this calendar are for Tulsa, Oklahoma.
Normal values are calculated for the period 1961-1990.
Temperature extremes are for the period 1905-2000.
Precipitation extremes are for the period 1888-2000.

Day	Avg. Temp.	Ave. High	2001	Record High	Year	Lowest Max	Year	Ave. Low	2001	Highest Min.	Year	Record Low	Year	Avg. Precip.	2001	Greatest Precip.	Year
1	66	77		89	1948	53	1966	55		71	1936	32	1909	0.16		2.10	1944
2	66	77		94	1943	50	1994	55		69	1959	32	1909	0.16		1.70	1980
3	66	77		96	1920	52	1978	55		68	1938	36	1976	0.16		2.19	1979
4	66	77		96	1920	51	1935	55		72	1950	36	1954	0.17		2.30	1999
5	67	77		92	1952	51	1935	56		71	1964	36	1907	0.17		2.88	1913
6	67	77		90	1952	59	1944	56		71	1986	36	1944	0.17		2.83	2000
7	67	78		93	1918	52	1910	56		72	2000	40	1931	0.17		4.09	1995
8	67	78		97	1918	53	1943	56		71	1996	37	1938	0.18		3.66	1961
9	67	78		93	1918	61	1924	57		72	1948	38	1923	0.18		6.15	1943
10	68	78		93	1963	54	1924	57		71	1963	41	1909	0.18		4.36	1950
11	68	78		94	1980	58	1912	57		74	1956	39	1924	0.18		2.83	1992
12	68	79		91	1992	57	1939	57		75	1956	40	1960	0.18		4.05	1982
13	69	79		93	1911	51	1953	58		72	1991	41	1971	0.18		4.47	1933
14	69	79		93	1911	54	1907	58		71	1998	44	1976	0.18		2.51	1956
15	69	79		95	1911	52	1945	58		72	1996	35	1907	0.19		2.05	1910
16	69	80		94	1931	52	1945	59		74	1974	40	1907	0.19		1.40	1943
17	69	80		94	1911	65	1935	59		76	1974	40	1945	0.19		1.89	1928
18	70	80		94	1987	65	1952	59		74	1996	45	1976	0.19		2.48	1960
19	70	80		94	1911	65	1981	60		74	1996	46	1968	0.19		3.91	1949
20	70	80		94	1956	64	1967	60		71	1982	42	1981	0.19		2.50	1902
21	71	81		95	1925	56	1968	60		73	1962	45	1915	0.19		1.90	1978
22	71	81		93	1953	56	1917	61		77	1953	44	1931	0.19		2.10	1902
23	71	81		94	2000	62	1963	61		75	1953	41	1917	0.19		1.47	1947
24	71	82		94	1911	63	1956	61		75	1996	42	1935	0.19		3.16	1908
25	72	82		94	1911	64	1995	61		75	1996	45	1925	0.19		1.80	1974
26	72	82		94	1926	60	1992	62		73	1916	44	1925	0.19		2.40	1984
27	72	82		94	1911	65	1992	62		75	1912	45	1961	0.18		6.95	1984
28	72	83		94	1926	53	1992	62		73	1991	45	1947	0.18		2.08	1905
29	72	83		98	1926	62	1947	62		76	1989	40	1947	0.18		1.60	1903
30	73	83		98	1934	59	1964	63		76	1989	45	1947	0.18		2.71	1976
31	73	83		100	1934	63	1907	63		77	1991	49	1930	0.18		2.50	1926
MONTH	**69.3**	**79.71**		**100**	**1934**	**50**	**1994**	**58.74**		**77**	**1991**	**32**	**1909**	**0.18**		**6.95**	**1984**

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

MAY WIND ROSES





May Wind Roses for Oklahoma City and Tulsa. The frequencey (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 directon in miles per hour.

MAY SUNRISE/SUNSET TIMES FOR 2001

ALL TIMES ARE CENTRAL STANDARD TIME

OKLAHOMA CITY

DATE	SUNRISE	SUNSET
5/1/01	5:38 AM	7:17 AM
5/2/01	5:37 AM	7:17 AM
5/3/01	5:36 AM	7:18 AM
5/4/01	5:35 AM	7:19 AM
5/5/01	5:34 AM	7:20 AM
5/6/01	5:33 AM	7:21 AM
5/7/01	5:32 AM	7:21 AM
5/8/01	5:31 AM	7:22 AM
5/9/01	5:30 AM	7:23 AM
5/10/01	5:29 AM	7:24 AM
5/11/01	5:29 AM	7:25 AM
5/12/01	5:28 AM	7:26 AM
5/13/01	5:27 AM	7:26 AM
5/14/01	5:26 AM	7:27 AM
5/15/01	5:25 AM	7:28 AM
5/16/01	5:25 AM	7:29 AM
5/17/01	5:24 AM	7:30 AM
5/18/01	5:23 AM	7:30 AM
5/19/01	5:22 AM	7:31 AM
5/20/01	5:22 AM	7:32 AM
5/21/01	5:21 AM	7:33 AM
5/22/01	5:21 AM	7:33 AM
5/23/01	5:20 AM	7:34 AM
5/24/01	5:19 AM	7:35 AM
5/25/01	5:19 AM	7:36 AM
5/26/01	5:18 AM	7:36 AM
5/27/01	5:18 AM	7:37 AM
5/28/01	5:18 AM	7:38 AM
5/29/01	5:17 AM	7:38 AM
5/30/01	5:17 AM	7:39 AM
5/31/01	5:16 AM	7:40 AM

TULSA

DATE	SUNRISE	SUNSET
5/1/01	5:31 AM	7:11 AM
5/2/01	5:30 AM	7:12 AM
5/3/01	5:29 AM	7:13 AM
5/4/01	5:28 AM	7:14 AM
5/5/01	5:27 AM	7:15 AM
5/6/01	5:26 AM	7:16 AM
5/7/01	5:25 AM	7:16 AM
5/8/01	5:24 AM	7:17 AM
5/9/01	5:23 AM	7:18 AM
5/10/01	5:22 AM	7:19 AM
5/11/01	5:21 AM	7:20 AM
5/12/01	5:20 AM	7:21 AM
5/13/01	5:19 AM	7:21 AM
5/14/01	5:18 AM	7:22 AM
5/15/01	5:18 AM	7:23 AM
5/16/01	5:17 AM	7:24 AM
5/17/01	5:16 AM	7:25 AM
5/18/01	5:15 AM	7:25 AM
5/19/01	5:15 AM	7:26 AM
5/20/01	5:14 AM	7:27 AM
5/21/01	5:13 AM	7:28 AM
5/22/01	5:13 AM	7:29 AM
5/23/01	5:12 AM	7:29 AM
5/24/01	5:11 AM	7:30 AM
5/25/01	5:11 AM	7:31 AM
5/26/01	5:10 AM	7:32 AM
5/27/01	5:10 AM	7:32 AM
5/28/01	5:09 AM	7:33 AM
5/29/01	5:09 AM	7:34 AM
5/30/01	5:09 AM	7:34 AM
5/31/01	5:08 AM	7:35 AM

ADD ONE HOUR FOR CENTRAL DAYLIGHT TIME

CONTACT INFORMATION

Oklahoma Climatological Survey
The University of Oklahoma
100 East Boyd Street, Suite 1210
Norman, OK 73019-1012

tel 405-325-2541
fax 405-325-2550

E-mail ocs@ou.edu

Office Hours: 8 AM to 5 PM, Monday-Friday

Mesonet Operators

tel 405-325-3231

E-mail operator@operations.ocs.ou.edu

Visit our web site at http://www.ocs.ou.edu.

Content: Howard Johnson
Shaye Palmer

Layout: Stdrovia Blackburn
John Humphrey

The University of Oklahoma is an equal opportunity employer.