

OKLAHOMA MONTHLY CLIMATE SUMMARY

APRIL 2002

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Oklahoma Climatological Survey

MONTHLY SUMMARY FOR APRIL 2002

April 2002

Statewide average temperature = 61.2° F
Statewide average rainfall = 4.27 inches

April was warmer-than-normal across Oklahoma, accompanied by normal to well-above normal precipitation in most areas, especially excepting the far northwest. The statewide-averaged temperature of 61.2 degrees is 1.4 degrees greater than the month's normal and provides 2002 with the 36th warmest April since record keeping began in 1892. Monthly precipitation, averaged statewide, was 4.27 inches, topping the normal monthly figure by 0.95 inch and ranking 26th greatest among April totals. The established drought in the panhandle continued as rain gauges in that region collected precipitation that amounted to only about half of normal values.

Statewide statistics through the first four months of 2002 indicate a near-normal temperature year with greater-than-normal precipitation. The average January-through-April temperature for the state was 47.0 degrees, 0.5 degree less than normal and 46th lowest statewide-averaged period on record for any similar period. Accumulated precipitation since the first of the year through the end of April was 10.15 inches when averaged across the state. That total is 0.54 inch greater than normal as rates as the 30th greatest January-through-April precipitation in Oklahoma's 111 years on record.

April Normals

Statewide average temperature = 59.8° F
Statewide average rainfall = 3.32 inches

Temperatures ranged from a high of 96 degrees at Beaver (Beaver County) on the afternoon of the 15th to a low of 15 at the Kenton Mesonet site on the 3rd. Temperatures in the 90s were reported somewhere in the state on 12 days. Thermometers indicated temperatures of 32 degrees or less on 8 days, the last of which was 25th when Fort Supply (Woodward) recorded a daily minimum of 32.

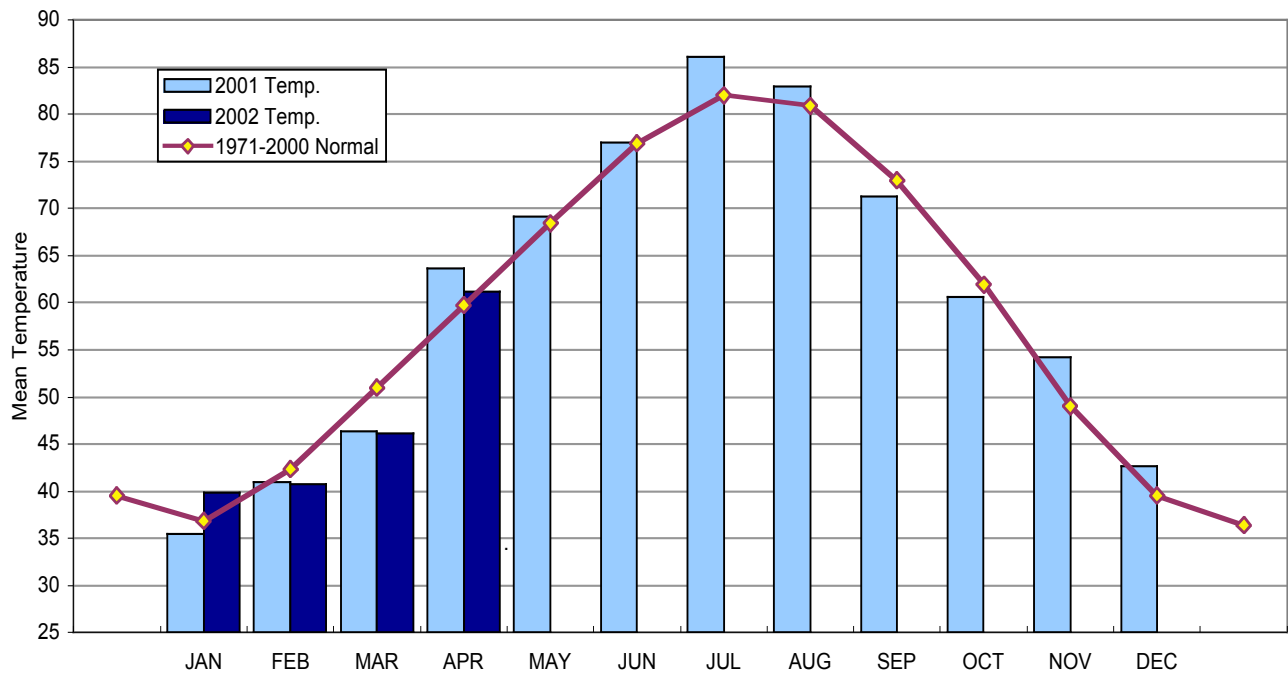
Heavy rain in eastern Oklahoma, mostly on the 7th, led to flooding along the Illinois River near Tahlequah (Cherokee), on the Blue River in Bryan County, and on smaller streams in LeFlore, Okmulgee, Atoka, Coal, Carter, and Love counties. Accumulated precipitation reports as of 7AM on the 8th showed 7.51 inches of rain at Tuskahoma (Pushmataha), 6.57 inches at Fanshawe (LeFlore), 6.51 inches at Kingston (Marshall), 6.39 inches at the Antlers Mesonet site (Pushmataha), 6.25 inches at daisy (Atoka), and 6.20 inches at Valiant (McCurtain). A man drowned near Poteau (LeFlore) when his car was swept off a low-water crossing, and a woman narrowly escaped the same fate near Red Oak (Latimer), surviving a two and one-half mile ride down Brazil Creek. Continued rain in the southeast raised Wister Lake to 24 feet above its normal level and forced the closing of U.S. 270 from the 19th through the end of the month. Rain was more than welcome in western Oklahoma around mid-month with Mangum (Greer) noting 3.74 inches on the 14th and Camargo Mesonet (Dewey) recording 2.16 inches on the 17th.

(Continued on page 3.)

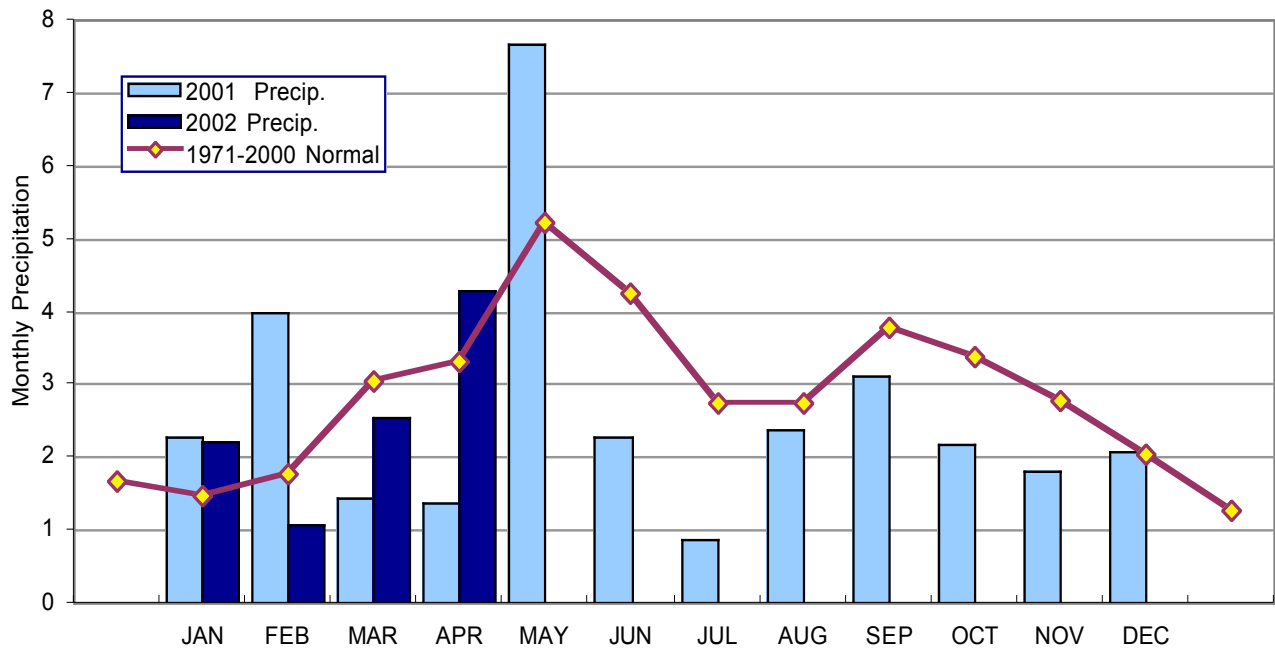
Severe thunderstorms spawned tornadoes on three different days during the month. On the 11th, small tornadoes were in north central Oklahoma near Garber (Garfield) and Billings (Noble). On the 16th, a tornado was reported in Johnston County and two others struck west of Atoka (Atoka). Seven twisters touched down in rural areas of western Oklahoma on the 17th: near the communities of Sayre (Beckham), Chester (Major), Orienta (Major), Waynoka (Woods), Cherokee (Alfalfa), and Carmen (Alfalfa). Large hail was reported at various locations on the 11th, 12th, 13th, 16th, 17th, 23rd, 24th, 26th, and 29th. Two-inch diameter hailstones were reported in Stephens County on the 12th and observers in Woods County reported baseball-sized hail (2 ¾-inch diameter) on the 17th.

Howard L. Johnson

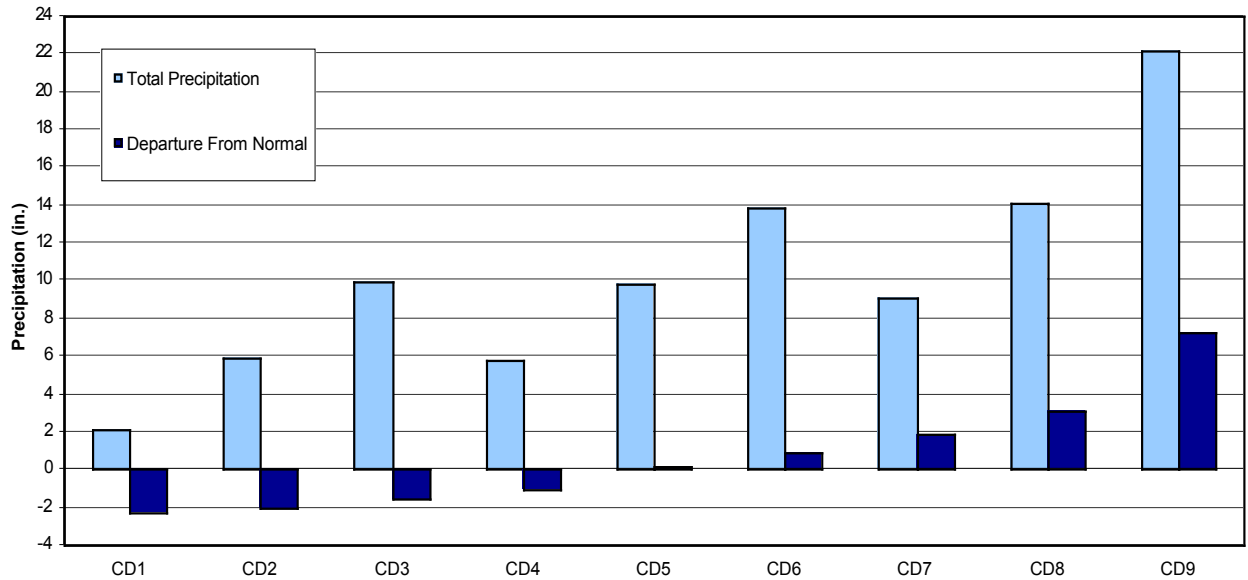
2001 AND 2002 STATEWIDE TEMPERATURES - MONTHLY AVERAGES



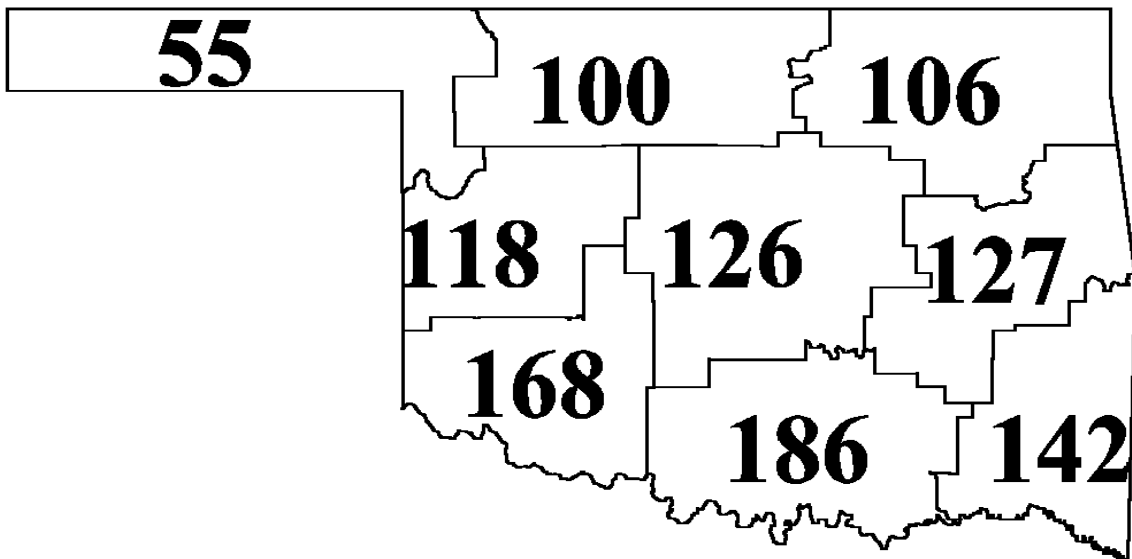
2001 AND 2002 STATEWIDE PRECIPITATION - MONTHLY TOTALS



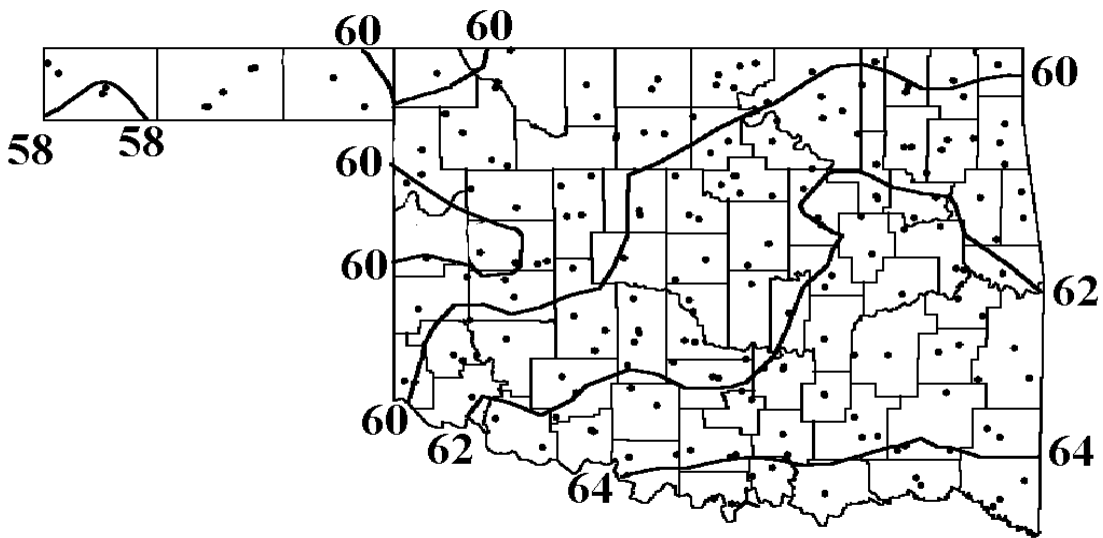
CLIMATE DIVISION AVERAGED PRECIPITATION - JANUARY THROUGH APRIL 2002



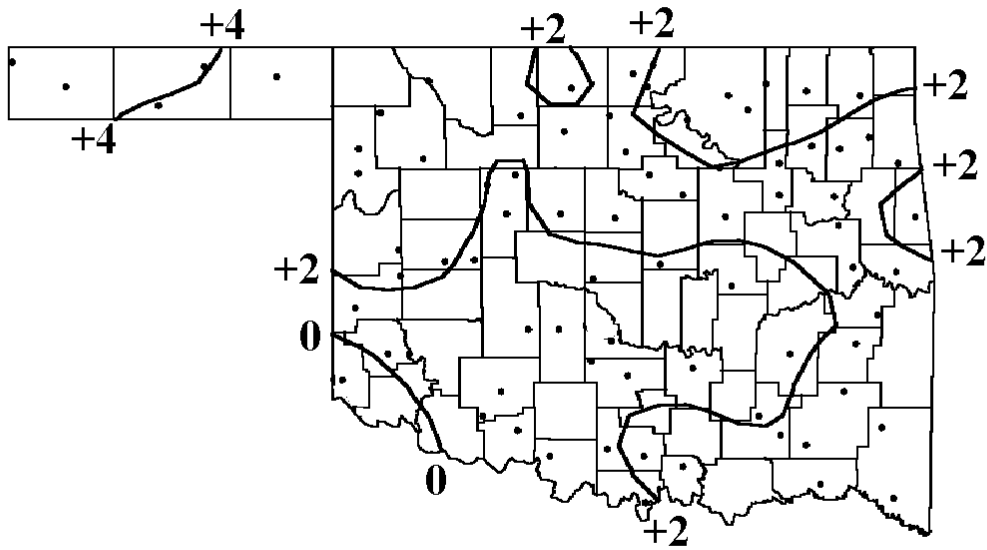
CLIMATE DIVISION PERCENT OF NORMAL PRECIPITATION - APRIL 2002



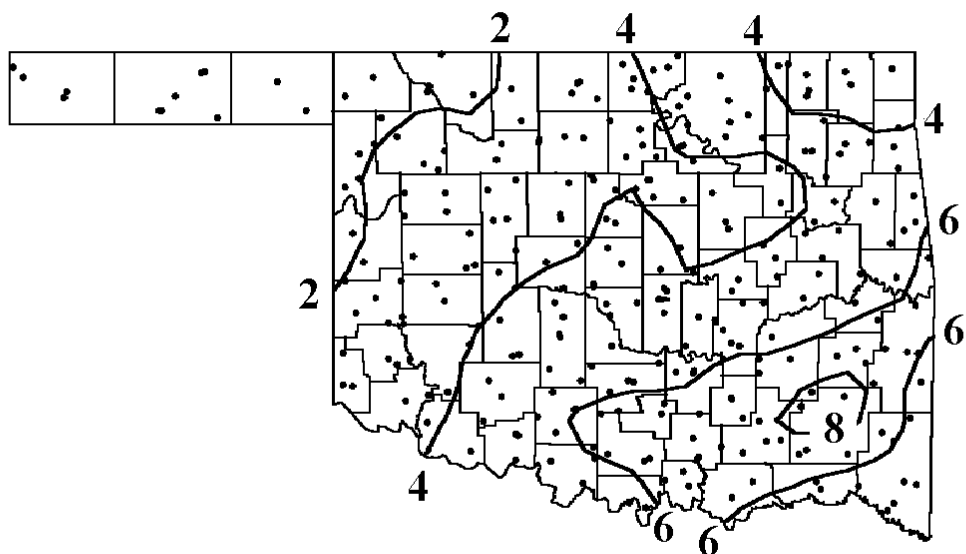
APRIL 2002 AVERAGE MONTHLY TEMPERATURE (°F)



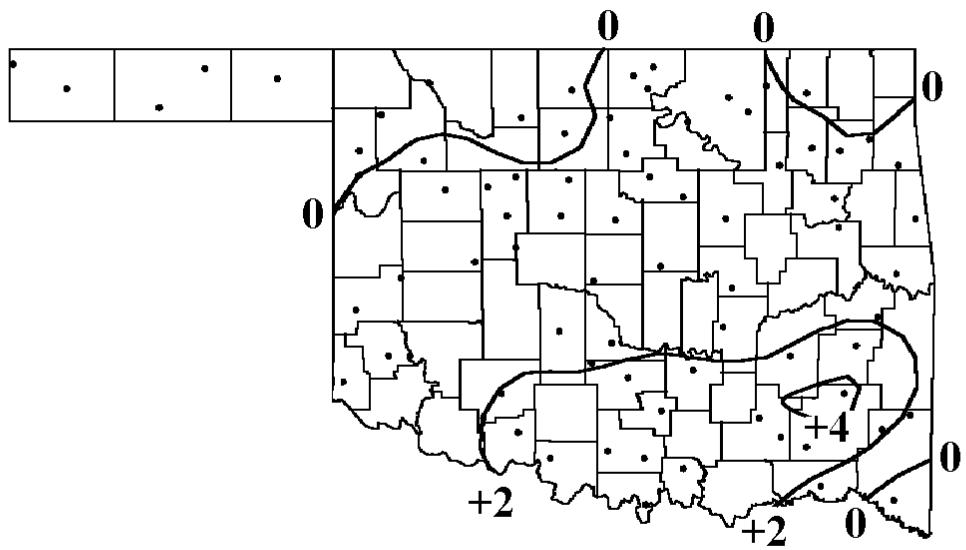
APRIL 2002 DEPARTURE FROM NORMAL TEMPERATURE (°F)



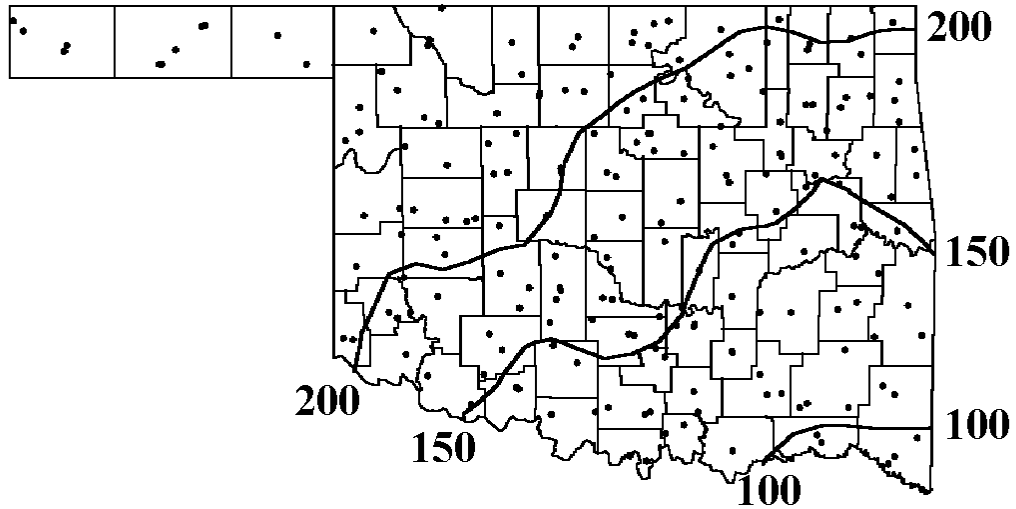
APRIL 2002 PRECIPITATION (INCHES)



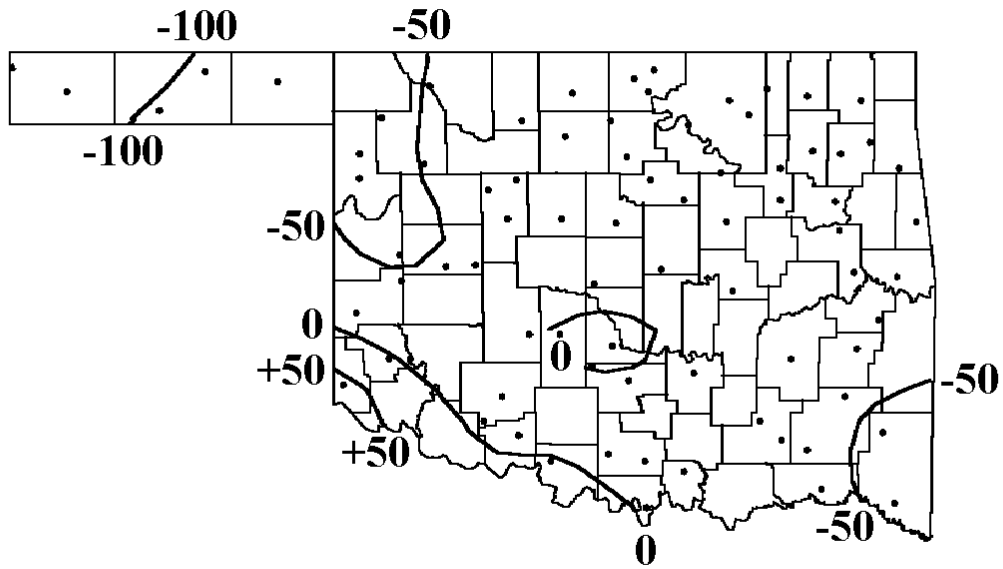
APRIL 2002 DEPARTURE FROM NORMAL PRECIPITATION (INCHES)



APRIL 2002 ACCUMULATED HEATING DEGREE DAYS (°F)



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



APRIL 2002 SUMMARY FOR PANHANDLE CLIMATE DIVISION (CD1)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG	DAY	DEV FROM	DEG	COOL DAY	DEV FROM	TOT PPT	NUM OBS	DEV		DAY
					NORM	MAX TEMP											NORM	MAX 24-HR	
ARNETT	332	1	57.7	30	2.4	89	24	27	4	261	-49	42	25	2.390	30	0.16	0.84	7	
BEAVER	593	1	57.9	30	2.6	96	16	25	4	245	-67	32	13	0.860	30	-0.96	0.45	21	
BOISE CITY	908	1	58.7	30	4.7	91	30	18	3	217	-126	28	17	0.800	30	-0.66	0.65	20	
FARGO	3070	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.221	30	*****	0.43	7	
GAGE	3407	1	60.4	30	4.2	94	18	27	5	215	-66	76	59	1.672	30	-0.42	0.57	12	
GATE	3489	1	60.9	24	*****	95	19	26	4	154	*****	55	*****	1.141	26	*****	0.96	21	
GOODWELL	3628	1	58.7	30	3.8	95	16	21	3	226	-95	38	20	0.400	30	-1.00	0.15	13	
GUYMON	3835	1	58.8	30	*****	93	16	21	3	232	*****	45	*****	0.900	30	*****	0.30	13	
HOOKER	4298	1	60.9	30	4.5	94	30	24	3	186	-97	64	41	0.870	30	-0.67	0.31	20	
KENTON	4766	1	60.5	29	6.0	91	30	21	2	169	-160	39	25	0.201	30	-1.28	0.18	8	
LAVERNE	5045	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.612	30	*****	0.40	21	
RANGE	7412	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.492	30	*****	0.29	21	
TURPIN	9017	1	58.9	22	*****	94	16	26	4	163	*****	28	*****	0.580	22	*****	0.34	22	

APRIL 2002 SUMMARY FOR NORTH CENTRAL CLIMATE DIVISION (CD2)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG	DAY	DEV FROM	DEG	COOL DAY	DEV FROM	TOT PPT	NUM OBS	DEV		DAY
					NORM	MAX TEMP											NORM	MAX 24-HR	
BILLINGS	755	2	58.9	29	1.9	87	18	25	3	224	-43	46	22	3.561	30	-0.03	1.40	27	
BLACKWELL 2E	818	2	60.0	30	3.8	89	18	27	3	207	-74	58	43	3.372	30	-0.24	1.04	23	
BRAMAN	1075	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.810	30	*****	1.63	7	
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.780	30	*****	1.30	18	
CHEROKEE	1724	2	58.4	26	*****	88	15	26	4	211	*****	39	*****	3.103	26	*****	1.30	18	
ENID	2912	2	60.3	30	3.0	88	18	27	3	197	-56	55	33	2.550	30	-0.70	0.74	27	
FT SUPPLY	3304	2	58.4	30	2.8	94	19	24	4	243	-63	44	23	0.771	30	-1.40	0.35	21	
FREEDOM	3358	2	59.7	30	2.9	94	17	28	3	227	-46	67	41	1.740	30	-0.65	0.73	20	
GREAT SALT P	3740	2	59.8	28	*****	91	18	26	4	200	*****	54	*****	1.270	28	*****	0.29	27	
HARDY	3909	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.671	30	*****	1.40	23	
HELENA	4019	2	59.0	30	2.2	90	18	25	4	231	-40	51	28	2.070	30	-0.72	0.45	13	
JEFFERSON	4573	2	57.8	30	0.9	89	18	24	3	261	-7	45	22	3.601	30	0.44	1.48	12	
LAHOMA	4950	2	59.3	30	*****	89	18	25	4	220	*****	48	*****	2.000	30	*****	0.50	13	
LAMONT	5013	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.150	30	*****	0.60	12	
MEDFORD	5768	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.132	30	*****	1.16	12	
MORRISON	6065	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.450	30	*****	0.88	8	
MUTUAL	6139	2	57.9	30	2.4	90	24	25	4	261	-46	47	27	3.680	30	1.19	2.02	18	
NEWKIRK	6278	2	57.7	30	2.0	89	18	24	4	260	-36	41	24	4.150	30	0.27	1.64	23	
ORIENTA	6751	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.470	30	*****	0.36	8	
PERRY	7012	2	61.0	30	2.2	90	18	29	3	182	-35	62	33	4.141	30	0.75	0.95	27	
PONCA CITY	7201	2	60.2	30	1.3	91	17	25	3	204	-12	60	28	3.765	30	0.25	1.65	23	
RED ROCK	7505	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.050	30	*****	1.05	7	

APRIL 2002 SUMMARY FOR NORTHEAST CLIMATE 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		
BARNSDALL	535	3	62.4	29	2.6	89	17	28	5	142	-50	68	34	5.321	30	1.33	2.17	23
BARTLESVILLE	548	3	61.3	30	0.8	90	17	28	5	182	6	70	29	3.530	30	-0.31	0.84	8
BIXBY	782	3	61.9	29	3.1	87	17	33	4	153	-56	65	42	3.630	29	*****	2.00	7
BURBANK	1256	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.850	30	*****	1.53	6
CHELSEA	1717	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.440	30	*****	1.67	23
CLAREMORE	1828	3	60.5	30	2.5	85	18	32	5	181	-51	46	25	5.831	30	1.75	1.95	23
HOLLOW	4258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.371	30	*****	1.02	20
HOMINY	4289	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.223	30	*****	1.25	20
KANSAS	4672	3	62.8	30	3.4	87	17	29	4	145	-48	79	55	6.100	30	1.71	2.70	22
LENAPAH	5118	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.020	30	*****	0.63	8
MANNFORD	5522	3	62.7	29	1.4	90	17	31	3	137	-26	70	21	2.630	29	*****	0.91	8
MARAMEC	5540	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.140	30	*****	0.91	8
MIAMI	5855	3	60.6	24	*****	85	16	28	6	144	*****	38	*****	2.710	27	*****	0.90	8
NOWATA	6485	3	60.9	30	0.8	86	18	28	4	180	-12	58	17	3.360	30	-0.59	0.88	20
PAWHUSKA	6935	3	61.2	30	1.3	90	17	28	5	183	-7	69	33	6.852	30	2.35	2.33	23
PAWNEE	6940	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.500	30	*****	1.30	20
PRYOR	7309	3	60.8	29	2.5	85	18	31	3	178	-46	56	35	4.192	30	0.02	1.75	8
RALSTON	7390	3	59.9	30	1.6	88	17	26	5	207	-20	54	28	3.952	30	0.19	1.40	7
SPAVINAW	8380	3	63.7	30	2.9	86	18	32	3	124	-38	84	49	3.451	30	-0.84	1.59	8
TULSA	8992	3	62.4	30	1.6	88	17	32	3	151	-29	73	23	3.612	30	-0.34	1.40	7
UPPER SPAV	9101	3	61.1	30	*****	88	17	27	4	177	*****	61	*****	3.862	30	*****	1.83	8
VINITA	9203	3	60.6	29	1.6	86	17	26	4	171	-35	43	17	4.351	29	*****	1.94	8
WAGONER	9247	3	63.0	30	1.9	85	17	32	3	142	-10	81	48	3.810	30	-0.39	1.61	7
WANN	9298	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.300	30	*****	0.75	27

APRIL 2002 SUMMARY FOR WEST CENTRAL CLIMATE 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	59.2	30	2.2	88	18	26	4	228	-40	54	27	3.490	30	0.88	1.01	13
CLINTON	1909	4	61.2	29	2.8	85	19	31	4	176	-58	65	31	3.213	29	*****	1.12	14
CORDELL	2125	4	58.6	30	*****	83	24	30	4	229	*****	38	*****	3.812	30	*****	1.10	14
ELK CITY	2849	4	58.8	30	1.5	84	24	29	4	219	-31	33	16	3.780	30	1.33	1.47	13
ERICK	2944	4	59.9	29	2.5	91	17	29	4	206	-43	59	38	2.451	30	0.26	0.50	18
GEARY	3497	4	59.3	27	*****	85	17	29	2	207	*****	54	*****	3.500	30	0.75	1.40	13
HAMMON	3871	4	59.3	29	2.8	89	18	28	5	211	-69	46	23	2.480	29	*****	0.70	18
LEEDEY	5090	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.150	30	*****	0.77	27
MACKIE	5463	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.830	30	*****	0.34	7
MORAVIA	6035	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.751	30	*****	0.86	13
OKEENE	6629	4	60.6	30	1.0	88	17	27	4	193	-8	60	21	2.920	30	0.13	0.97	27
RETROP	7565	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.620	30	*****	0.92	14
REYDON	7579	4	59.2	27	*****	91	24	29	5	210	*****	55	*****	2.830	28	*****	0.75	13
SAYRE	7952	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.780	30	*****	0.82	13
SWEETWATER	8652	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.532	30	*****	0.65	27
TALOGA	8708	4	60.2	27	*****	87	2	26	4	187	*****	56	*****	2.383	30	-0.38	0.74	14
THOMAS	8815	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.490	30	*****	1.20	13
WATONGA	9364	4	58.8	30	1.6	87	18	28	4	238	-20	53	30	3.840	30	1.03	1.09	27
WEATHERFORD	9422	4	60.1	30	1.4	85	18	28	4	195	-30	48	11	3.970	30	1.50	1.38	13

APRIL 2002 SUMMARY FOR CENTRAL CLIMATE DIVISION (CD5)

NAME	ID	CD	MEAN	NUM	DEV		MIN	DAY	HEAT	DEV	COOL	DEV	TOT	NUM	DEV		DAY	
			TEMP		FROM	MAX									DEG	FROM		MAX
AMBER	200	5	****	0	****	****	0	****	0	****	****	****	5.240	30	****	1.70	8	
BLANCHARD	830	5	63.4	28	****	87	17	32	4	112	****	66	****	4.982	29	****	2.00	8
BRISTOW	1144	5	63.5	30	2.8	88	17	31	5	125	-47	81	41	3.770	30	0.24	1.82	8
CHANDLER	1684	5	63.6	24	****	89	18	33	5	91	****	57	****	3.630	24	****	2.00	8
CHICKASHA EXP	1750	5	62.1	30	-0.3	85	30	28	4	152	15	65	7	5.280	30	1.77	1.52	8
COX CITY	2196	5	****	0	****	****	0	****	0	****	****	****	****	6.400	30	****	1.35	8
CUSHING	2318	5	62.0	30	2.4	89	18	31	3	153	-47	62	26	3.410	30	-0.32	1.20	7
EDMOND	2788	5	****	0	****	****	0	****	0	****	****	****	****	4.360	30	****	1.60	7
EL RENO	2818	5	60.3	26	****	87	18	33	3	175	****	52	****	3.080	26	****	1.46	14
GUTHRIE	3821	5	60.9	30	2.3	89	18	30	3	186	-41	63	31	4.641	30	1.51	1.36	14
HENNESSEY	4055	5	58.3	28	****	83	18	27	4	219	****	32	****	3.470	30	0.28	0.96	27
KINGFISHER	4861	5	60.1	30	3.0	86	18	28	4	205	-56	58	34	3.820	30	0.59	1.05	13
KONAWA	4915	5	****	0	****	****	0	****	0	****	****	****	****	4.560	30	****	2.73	7
MARSHALL	5589	5	****	0	****	****	0	****	0	****	****	****	****	4.260	30	****	1.31	27
MEEKER	5779	5	60.0	30	2.5	85	18	30	5	195	-52	43	24	4.471	30	1.12	2.39	8
MULHALL	6110	5	****	0	****	****	0	****	0	****	****	****	****	3.760	30	****	0.76	27
NORMAN NWS	6386	5	61.3	30	****	85	30	31	3	162	****	51	****	4.451	30	****	1.88	7
OKEMAH	6638	5	62.9	30	0.0	87	30	32	3	133	15	70	17	4.140	30	0.15	2.60	8
OKLAHOMA CTY F.	6659	5	****	0	****	****	0	****	0	****	****	****	****	5.353	30	****	2.61	7
OKLAHOMA CTY	6661	5	61.0	30	1.3	85	17	32	3	168	-29	47	9	5.103	30	2.10	2.38	7
PIEDMONT	7068	5	****	0	****	****	0	****	0	****	****	****	****	2.970	30	****	1.14	13
PRAGUE	7264	5	****	0	****	****	0	****	0	****	****	****	****	3.840	30	****	1.93	8
PURCELL	7327	5	57.6	30	-2.3	84	18	33	6	251	64	30	-5	5.150	30	1.32	2.00	8
SHAWNEE	8110	5	****	0	****	****	0	****	0	****	****	****	****	3.220	30	****	1.58	8
STELLA	8479	5	****	0	****	****	0	****	0	****	****	****	****	4.353	30	****	1.30	8
STILLWATER	8501	5	62.0	30	3.1	91	18	29	5	166	-47	77	47	3.783	30	0.33	1.10	8
TECUMSEH	8751	5	****	0	****	****	0	****	0	****	****	****	****	2.360	30	****	1.80	7
UNION CITY	9086	5	****	0	****	****	0	****	0	****	****	****	****	3.932	30	****	1.70	14
TROUSDALE	8960	5	60.5	29	****	84	18	31	5	170	****	38	****	5.050	29	****	1.90	8
WEWOKA	9575	5	****	0	****	****	0	****	0	****	****	****	****	4.750	30	****	1.58	7

APRIL 2002 SUMMARY FOR EAST CENTRAL CLIMATE DIVISION (CD6)

NAME	ID	CD	MEAN	NUM	DEV		MIN	DAY	HEAT	DEV	COOL	DEV	TOT	NUM	DEV		DAY	
			TEMP		FROM	MAX									DEG	FROM		MAX
ASHLAND	364	6	****	0	****	****	0	****	0	****	****	****	5.760	30	****	2.45	8	
BEGGS	631	6	****	0	****	****	0	****	0	****	****	****	3.810	30	****	2.26	8	
CALVIN	1391	6	****	0	****	****	0	****	0	****	****	****	7.500	30	****	2.20	7	
CHECOTAH	1711	6	****	0	****	****	0	****	0	****	****	****	4.100	30	****	2.59	8	
CLAYTON	1858	6	****	0	****	****	0	****	0	****	****	****	8.250	30	****	4.05	8	
DEWAR	2485	6	****	0	****	****	0	****	0	****	****	****	4.753	30	****	2.65	8	
DUSTIN	2690	6	****	0	****	****	0	****	0	****	****	****	3.902	30	****	2.14	8	
HOLDENVILLE	4235	6	62.5	28	****	87	17	33	6	123	****	53	****	5.423	30	1.22	3.05	7
LAKE EUFAULA	4975	6	61.5	26	****	86	19	34	4	151	****	60	****	5.182	26	****	3.22	8
LYONS	5437	6	****	0	****	****	0	****	0	****	****	****	5.410	30	****	3.58	8	
MCALESTER	5664	6	63.5	30	2.0	87	24	36	5	124	-20	81	43	5.794	30	1.61	4.45	7
MCCURTAIN	5693	6	64.7	30	2.3	86	30	35	5	116	-10	108	62	6.645	30	2.03	3.75	8
MUSKOGEE	6130	6	62.9	30	3.2	85	30	30	4	143	-44	81	55	4.463	30	0.49	2.17	7
OKMULGEE	6670	6	62.4	27	****	86	30	35	5	125	****	54	****	5.112	29	****	2.60	7
OKTAHA	6678	6	****	0	****	****	0	****	0	****	****	****	****	4.790	30	****	2.59	8
SALLISAW	7862	6	63.1	30	3.7	85	19	37	4	126	-67	69	44	5.180	30	0.81	2.75	8
SCIPIO	7979	6	****	0	****	****	0	****	0	****	****	****	****	5.340	30	****	3.05	8
SHORT	8170	6	****	0	****	****	0	****	0	****	****	****	****	7.410	30	****	4.00	8
STILWELL	8506	6	58.2	30	-0.3	83	18	31	14	215	0	10	-12	5.380	30	0.59	3.25	8
WEBBERS FALL	9445	6	61.8	29	2.1	87	19	32	4	147	-40	54	28	4.890	29	****	3.10	8
WETUMKA	9571	6	****	0	****	****	0	****	0	****	****	****	****	4.810	30	****	2.26	8

APRIL 2002 SUMMARY FOR SOUTHWEST CLIMATE DIVISION (CD7)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV					HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		
					FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY							FROM NORM	MAX 24-HR	DAY
ALTUS DAM	184	7	62.4	30	1.5	88	24	33	4	157	-16	80	33	4.510	30	2.00	2.25	13
ANADARKO	224	7	58.5	29	0.3	85	19	28	4	228	-2	39	16	5.091	29	*****	1.20	8
APACHE	260	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.280	30	*****	1.03	8
CHATTANOOGA	1706	7	60.9	30	1.1	87	24	32	5	176	-16	54	17	4.460	30	1.80	1.39	7
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.340	30	*****	1.25	14
FREDERICK	3353	7	61.0	26	*****	92	14	34	3	161	*****	58	*****	3.340	26	*****	0.95	6
HEADRICK	3998	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.700	30	*****	1.17	13
HOBART	4204	7	60.8	27	*****	83	30	32	3	159	*****	46	*****	3.223	27	*****	1.09	13
HOLLIS	4249	7	57.5	30	-3.5	90	30	27	5	274	103	47	-3	2.110	30	-0.50	0.95	14
LAWTON	5063	7	61.7	30	0.3	85	24	34	4	152	-6	54	6	4.820	30	1.91	1.48	14
LOOKEBA	5329	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.540	30	*****	0.98	8
MANGUM	5509	7	60.4	29	0.8	89	30	27	4	193	-6	59	22	5.141	30	2.89	3.74	14
RANDLETT	7403	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.202	30	*****	2.94	14
SEDAN	8016	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.710	30	*****	1.01	14
SNYDER	8299	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.970	30	*****	1.46	14
VINSON	9212	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.170	30	*****	2.12	13
WALTERS	9278	7	61.9	30	1.3	85	24	36	5	162	-12	69	28	6.081	30	3.17	1.60	26
WICHITA MT	9629	7	61.3	28	*****	86	24	32	3	158	*****	55	*****	4.890	28	*****	2.25	13

APRIL 2002 SUMMARY FOR SOUTH CENTRAL CLIMATE DIVISION (CD8)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV					HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		
					FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY							FROM NORM	MAX 24-HR	DAY
ADA	17	8	62.1	30	1.2	84	30	33	4	139	-20	53	17	5.790	30	2.04	1.77	7
ALLEN	147	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.270	30	*****	3.10	8
ARDMORE	292	8	65.4	30	3.2	89	24	38	5	116	-19	127	77	5.750	30	2.58	2.54	7
ATOKA DAM	394	8	62.5	30	1.1	88	25	34	5	140	-15	66	22	7.650	30	3.49	3.44	8
BOKCHITO	917	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.500	30	*****	2.50	7
CANEY	1437	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.060	30	*****	5.15	8
CENTRAHOMA	1648	8	62.6	30	*****	88	25	36	4	137	*****	64	*****	7.250	30	*****	3.50	8
CHICKASAW	1745	8	60.6	19	*****	86	28	32	5	117	*****	34	*****	7.511	30	3.91	2.09	7
COLEMAN	2011	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.970	30	*****	3.32	8
COMANCHE	2054	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.540	30	*****	1.99	7
DAISY	2354	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	10.091	30	*****	4.12	8
DUNCAN	2660	8	62.8	27	*****	86	18	35	4	121	*****	61	*****	5.370	28	*****	1.58	7
DURANT	2678	8	64.7	28	*****	89	24	36	4	102	*****	92	*****	6.304	29	*****	2.51	6
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.420	30	*****	1.47	8
GRADY	3688	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.880	30	*****	1.46	26
HEALDTON	4001	8	62.9	30	1.6	87	18	36	4	145	-12	82	37	7.290	30	4.00	2.73	13
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.500	30	*****	2.46	8
KETCHUM RAN	4780	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.220	30	*****	1.70	7
KINGSTON	4865	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.310	30	*****	3.21	8
LEHIGH	5108	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.708	30	*****	3.80	8
LINDSAY	5216	8	61.3	30	1.5	87	14	30	3	175	-18	63	27	4.871	30	1.33	1.12	25
LOCO	5247	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.461	30	*****	2.10	7
MADILL	5468	8	64.9	30	3.8	90	25	37	5	114	-40	110	74	8.170	30	4.64	3.20	8
MARIETTA 5 SW	5563	8	62.6	30	1.0	91	30	34	5	151	7	78	38	5.730	30	2.40	1.91	8
MARLOW	5581	8	63.7	30	*****	85	30	33	3	129	*****	89	*****	5.750	30	*****	1.20	8
MCGEE CREEK	5713	8	64.3	30	2.8	88	25	39	3	107	-35	85	48	7.720	30	3.10	3.89	8
PAULS VALLEY	6926	8	61.4	30	1.2	85	18	33	5	163	-17	56	20	5.921	30	2.52	2.62	8
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.980	30	*****	2.44	7
TISHOMINGO	8884	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.100	30	*****	3.30	7
TUSSY	9032	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.091	30	*****	1.80	8
WAURIKA	9395	8	64.7	30	0.8	87	30	37	3	114	9	104	34	4.971	30	2.08	1.28	13

APRIL 2002 SUMMARY FOR SOUTHEAST CLIMATE DIVISION (CD9)

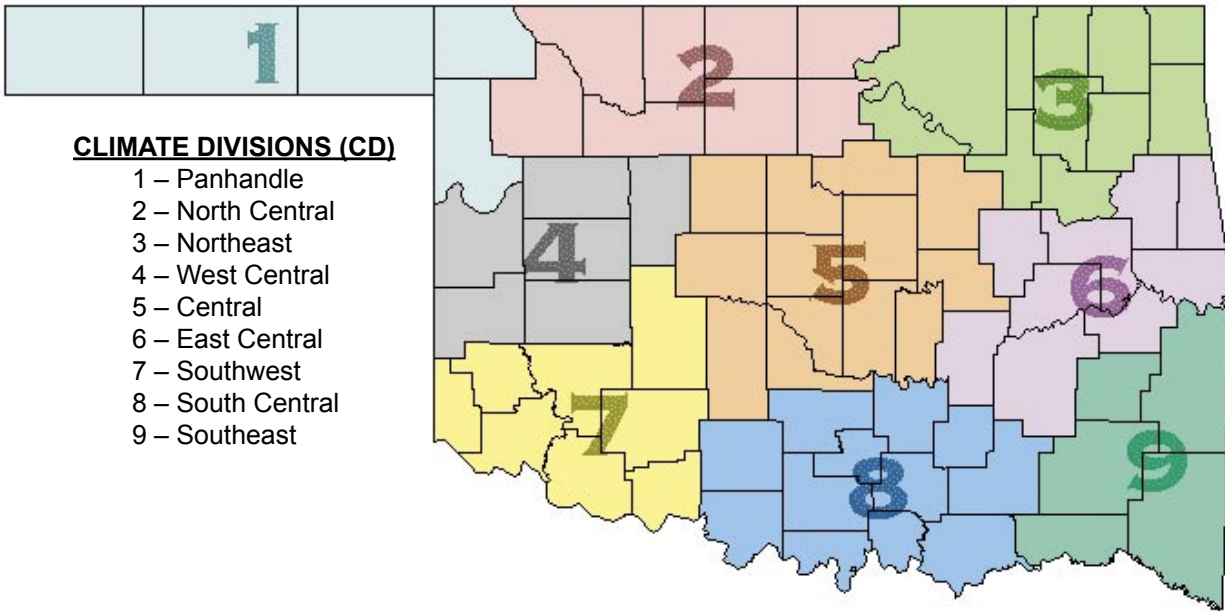
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	63.1	29	1.3	86	25	34	5	120	-13	66	30	8.070	30	3.81	5.30	8
BATTHEST	567	9	61.7	30	4.0	86	19	31	5	153	-82	53	37	7.111	30	2.12	3.82	8
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.340	30	*****	4.92	8
BROKEN BOW	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.590	30	*****	2.00	7
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.420	27	*****	1.35	8
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.860	30	*****	5.77	8
HEAVENER	4008	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.140	30	*****	5.21	7
HUGO	4384	9	64.8	30	3.3	87	25	40	7	94	-44	89	56	5.041	30	1.16	3.25	8
IDABEL	4451	9	65.4	30	3.8	89	25	40	4	90	-53	102	62	2.940	30	-1.40	1.85	8
PAGE	6842	9	62.4	30	*****	84	19	28	4	144	*****	66	*****	1.930	30	*****	1.03	27
SMITHVILLE	8285	9	61.5	26	*****	85	19	29	6	136	*****	46	*****	6.463	30	1.64	3.72	8
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.321	30	*****	2.01	8
TUSKAHOMA	9023	9	65.1	30	3.4	89	30	30	4	103	-39	106	64	11.630	30	6.83	6.57	8
VALLIANT	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.321	30	*****	2.01	8
WILBURTON	9634	9	62.9	30	1.7	87	30	30	4	143	-6	79	46	7.481	30	2.74	5.00	7
WISTER	9724	9	62.9	30	*****	85	25	32	5	138	*****	75	*****	7.500	30	*****	4.62	8

APRIL 2002 CLIMATE DIVISION SUMMARY

NAME	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
PANHANDLE	1	59.2	8	4.0	96	16	18	3	219	-93	45	27	0.950	11	-0.77	0.96	21
NORTH CENTRAL	2	59.2	12	2.3	94	17	24	4	226	-42	52	29	3.050	20	-0.01	2.02	18
NORTHEAST	3	61.7	15	2.1	90	17	26	4	163	-32	65	33	4.290	20	0.26	2.70	22
WEST CENTRAL	4	59.6	9	1.9	91	24	26	4	210	-37	50	23	3.020	16	0.46	1.47	13
CENTRAL	5	61.2	12	1.7	91	18	27	4	172	-29	57	22	4.260	26	0.87	2.73	7
EAST CENTRAL	6	62.4	6	2.5	87	19	30	4	145	-37	67	39	5.480	18	1.17	4.45	7
SOUTHWEST	7	60.5	7	0.4	92	14	27	4	191	4	57	17	4.430	14	1.80	3.74	14
SOUTH CENTRAL	8	63.2	12	1.9	91	30	30	3	136	-20	81	39	6.710	29	3.11	5.15	8
SOUTHEAST	9	63.5	8	3.1	89	30	28	4	123	-44	79	49	6.450	15	1.90	6.57	8

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

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

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

Cooling Degree Days Calculation

NumDays

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

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

MESONET MONTHLY SUMMARY FOR APRIL 2002

NAME	MEAN MAX		MIN		HDD	CDD	TOT MAX			NAME	MEAN MAX		MIN		HDD	CDD	TOT MAX				
	TEMP	TEMP	DAY	TEMP			DAY	PPT	24-HR		DAY	TEMP	TEMP	DAY			TEMP	DAY	PPT	24-HR	DAY
PANHANDLE																					
Arnett	60.7	93	30	28	3	208	77	1.07	0.25	20	Goodwell	58.6	94	30	20	3	231	39	0.52	0.15	13
Beaver	60.5	96	15	26	3	212	76	0.87	0.49	20	Hooker	59.7	95	30	24	3	215	57	0.75	0.31	20
Boise City	57.0	92	30	17	3	258	17	0.99	0.67	12	Kenton	57.8	91	30	15	3	238	23	0.42	0.23	8
Buffalo	60.8	94	15	25	4	209	82	0.78	0.55	20	Slapout	60.0	95	30	26	3	223	72	0.72	0.45	20
NORTH CENTRAL																					
Alva	****	***	**	**	**	****	****	1.62	0.76	20	May Ranch	59.6	93	17	26	3	229	68	1.01	0.56	20
Blackwell	59.4	89	17	25	3	219	50	3.32	1.34	23	Medford	59.0	86	17	26	3	227	46	3.09	1.30	11
Breckenridge	59.0	86	17	23	4	226	46	3.18	1.01	27	Newkirk	59.2	89	17	26	3	219	46	6.43	2.42	23
Cherokee	60.2	93	17	26	4	211	68	2.33	1.06	18	Red Rock	60.4	88	17	28	3	192	54	3.96	1.43	7
Fairview	61.0	89	17	27	4	192	71	2.29	0.93	13	Seiling	60.0	90	30	25	4	212	63	2.56	0.76	17
Freedom	60.3	94	30	27	4	208	68	1.71	0.65	20	Woodward	60.7	92	30	27	3	209	79	3.38	1.90	13
Lahoma	58.9	87	17	25	4	232	48	1.97	0.50	7											
NORTHEAST																					
Bixby	62.4	87	17	32	5	149	70	3.52	2.23	7	Nowata	59.3	85	17	25	4	214	45	3.38	0.85	7
Burbank	59.9	90	17	26	4	204	51	2.82	1.16	27	Pawnee	60.4	89	17	28	3	189	52	5.02	1.78	19
Claremore	61.4	87	17	31	5	167	58	4.01	1.58	23	Porter	62.6	85	24	33	3	145	72	4.58	3.11	7
Copan	59.8	86	17	27	4	203	47	3.32	1.08	7	Pryor	60.3	84	17	28	4	188	49	6.04	2.90	23
Foraker	59.3	90	17	25	4	220	48	5.36	1.89	7	Skiatook	61.0	86	17	30	3	171	51	4.20	1.45	7
Inola	60.9	84	17	31	5	166	46	3.91	1.88	7	Vinita	59.3	83	17	25	4	214	42	2.88	0.74	7
Jay	60.9	86	17	26	4	179	57	3.56	1.43	7	Wynona	60.8	90	17	27	4	181	54	6.01	1.70	19
Miami	59.8	86	17	25	4	203	47	2.91	0.80	7											
WEST CENTRAL																					
Bessie	60.6	89	30	30	4	190	57	2.88	1.13	13	Putnam	59.6	88	30	28	4	215	52	2.17	0.54	27
Butler	61.2	90	30	31	3	183	67	2.20	0.62	27	Retrop	60.7	92	30	30	4	187	58	3.96	1.23	12
Camargo	60.0	91	30	28	5	213	62	3.83	2.16	17	Watonga	59.2	84	17	28	3	224	49	3.93	0.87	12
Cheyenne	60.3	89	16	29	4	203	62	3.21	0.96	13	Weatherford	59.0	82	17	28	4	222	42	4.21	1.02	13
Erick	60.5	95	30	28	4	193	59	2.29	0.89	13											
CENTRAL																					
Acme	61.9	85	17	33	3	155	63	5.89	1.85	7	Minco	60.5	85	17	30	3	184	49	5.01	2.29	7
Bowlegs	61.9	85	30	31	5	149	57	4.77	2.88	7	Ninnekah	61.8	84	17	32	4	157	60	****	****	**
Bristow	61.3	85	17	29	5	171	59	3.58	2.05	7	Norman	61.5	85	17	32	3	156	52	3.78	1.58	7
Chandler	61.9	87	17	31	3	154	60	3.85	2.15	7	Oilton	61.1	88	17	27	5	177	61	2.76	1.37	7
Chickasha	61.5	86	17	28	4	166	60	4.97	2.12	7	Okemah	62.0	85	30	32	4	149	58	4.96	3.27	7
El Reno	59.7	86	17	25	4	212	54	4.27	1.64	13	Perkins	61.0	86	17	30	4	172	53	3.74	1.47	7
Guthrie	61.6	89	17	30	3	170	68	4.70	1.78	13	Shawnee	61.5	84	17	32	3	153	50	3.80	2.05	7
Kingfisher	60.0	86	17	27	4	204	54	3.15	1.01	13	Spencer	61.8	87	17	31	3	158	61	4.93	2.15	7
Marena	61.2	90	17	30	3	177	62	4.20	1.30	13	Stillwater	61.4	90	17	28	5	174	66	3.60	1.21	7
Marshall	60.3	87	17	27	3	197	55	4.07	1.12	27	Washington	61.8	84	17	33	3	150	55	****	****	**
EAST CENTRAL																					
Calvin	62.1	85	27	32	4	145	59	4.26	2.78	7	Sallisaw	63.0	85	30	32	4	130	68	5.65	3.95	7
Cookson	61.5	84	18	29	4	163	59	4.95	3.51	7	Stigler	62.7	85	30	32	4	136	68	5.13	4.00	7
Eufaula	63.1	85	24	35	3	130	74	4.87	3.85	7	Stuart	62.8	84	24	34	4	132	65	5.28	3.77	7
Haskell	61.9	85	24	33	3	156	63	4.46	2.86	7	Tahlequah	61.2	83	17	32	3	165	51	4.11	2.40	7
Hectorville	62.5	85	17	33	3	141	68	****	****	**	Webbers Falls	63.5	88	30	32	4	129	85	4.86	3.69	7
McAlester	63.7	87	24	36	3	121	82	6.01	4.68	7	Westville	61.3	84	17	31	4	165	56	5.44	3.07	7
Okmulgee	61.7	85	17	32	5	163	65	4.22	3.30	7											
SOUTHWEST																					
Altus	62.4	90	17	29	4	155	77	2.70	1.04	13	Hollis	61.7	95	30	29	4	167	68	1.90	0.76	13
Apache	60.8	82	17	31	4	176	48	4.55	1.56	7	Mangum	61.0	88	17	27	4	180	59	4.08	2.38	13
Fort Cobb	61.1	85	17	32	3	175	58	4.13	1.44	13	Medicine Park	62.3	85	30	32	3	145	64	4.27	1.21	7
Grandfield	62.3	85	17	30	4	150	68	5.32	1.91	7	Tipton	62.7	87	17	34	4	147	78	3.73	1.60	13
Hinton	59.9	84	17	29	4	202	48	3.51	1.06	13	Walters	63.3	86	17	34	4	133	83	5.81	1.58	13
Hobart	59.7	83	23	27	4	204	45	****	****	**											
SOUTH CENTRAL																					
Ada	62.4	85	24	32	4	145	67	5.80	2.86	7	Lane	63.9	86	24	36	5	108	74	6.94	4.79	7
Ardmore	64.3	86	24	38	3	119	97	6.24	2.63	7	Madill	64.7	88	29	39	3	113	105	6.28	2.69	7
Bee	63.9	88	24	35	5	118	86	7.79	4.50	7	Pauls Valley	63.2	85	17	35	3	132	76	6.28	2.23	7
Burneyville	65.1	92	29	33	5	111	115	4.58	1.89	7	Ringling	63.5	84	24	37	3	131	85	7.10	2.03	12
Byars	61.9	83	17	34	3	147	55	5.51	2.95	7	Sulphur	63.1	84	30	35	5	132	76	5.44	2.45	7
Centrahoma	62.7	86	24	33	5	136	67	6.94	4.65	7	Tishomingo	63.3	86	24	35	5	129	77	6.20	3.33	7
Durant	64.4	87	24	40	3	106	89	5.50	3.25	7	Vanoss	62.5	86	30	33	5	142	67	5.23	2.71	7
Ketchum Ranch	62.6	85	17	35	3	143	70	6.08	2.15	7	Waurika	64.5	87	17	37	3	115	101	5.16	1.67	13
SOUTHEAST																					
Antlers	63.8	87	30	33	5	113	76	8.11	6.34	7	Idabel	65.7	86	28	39	5	75	96	4.84	1.75	26
Broken Bow	64.9	89	30	35	5	87	84	4.59	1.88	7	Mt Herman	63.2	85	28	35	4	119	65	6.38	4.14	7
Clayton	****	***	**	***	**	****	****	****	****	**	Talihina	63.8	88	30	32	4	112	77	8.26	5.82	7
Cloudy	64.2	86	30	38	5	102	77	6.09	4.46	7	Wilburton	63.3	87	30	31	4	126	74	6.88	5.45	7
Hugo	65.2	86	24	40	5	87	93	4.82	3.10	7	Wister	62.4	88	30	31	4	139	61	6.83	4.74	7

EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION APRIL 2002

CD	MAX			MIN			24-HOUR			MONTHLY	
	TEMP	DATE	LOCATION	TEMP	DATE	LOCATION	PRECIP	DATE	LOCATION	PRECIP	LOCATION
1	96	16	BEAVER	18	3	BOISE CITY	.96	21	GATE	2.39	ARNETT
2	94	18	FT SUPPLY	24	4	FT SUPPLY	2.02	18	MUTUAL	4.67	HARDY
	94	19	FT SUPPLY	24	3	JEFFERSON					
	94	17	FREEDOM	24	4	NEWKIRK					
3	90	17	BARTLESVILLE	26	5	RALSTON	2.70	22	KANSAS	6.85	PAWHUSKA
	90	17	MANNFORD	26	4	VINITA					
	90	17	PAWHUSKA								
4	91	17	ERICK	26	4	CANTON DAM	1.47	13	ELK CITY	3.97	WEATHERFORD
	91	24	REYDON	26	4	TALOGA					
5	91	18	STILLWATER	27	3	HENNESSEY	2.73	7	KONAWA	6.40	COX CITY
				27	4	HENNESSEY					
6	87	17	HOLDENVILLE	30	4	MUSKOGEE	4.45	7	MCALESTER	8.25	CLAYTON
	87	24	MCALESTER								
	87	19	WEBBERS FALL								
7	92	14	FREDERICK	27	4	HOLLIS	3.74	14	MANGUM	7.20	RANDLETT
				27	5	HOLLIS					
				27	4	MANGUM					
8	91	30	MARIETTA	30	3	LINDSAY	5.15	8	CANEY	10.09	DAISY
9	89	25	IDABEL	28	4	PAGE	6.57	8	TUSKAHOMA	11.63	TUSKAHOMA
	89	30	TUSKAHOMA								

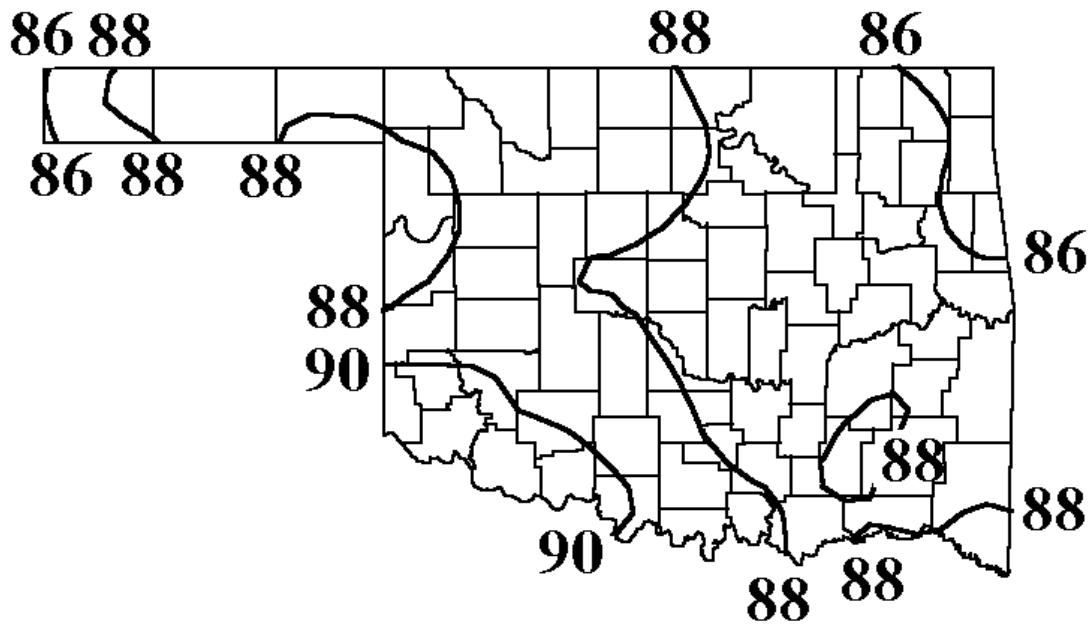
TABLE OF 2001/2002 COMPARISONS

Station	APRIL Temperature (F)		APRIL Precipitation (in.)	
	2001	2002	2001	2002
Arnett	59.7	57.7	0.88	2.39
Enid	62.5	60.3	0.28	2.55
Tulsa	66.4	62.4	1.20	3.61
Elk City	61.7	58.8	0.54	3.78
Oklahoma City	63.6	61.0	1.04	5.10
McAlester	65.4	63.5	2.04	5.79
Altus Irr Station	63.6	62.4	0.09	4.51
Ardmore	67.8	65.4	3.15	5.75
Idabel	66.4	65.4	1.70	2.94

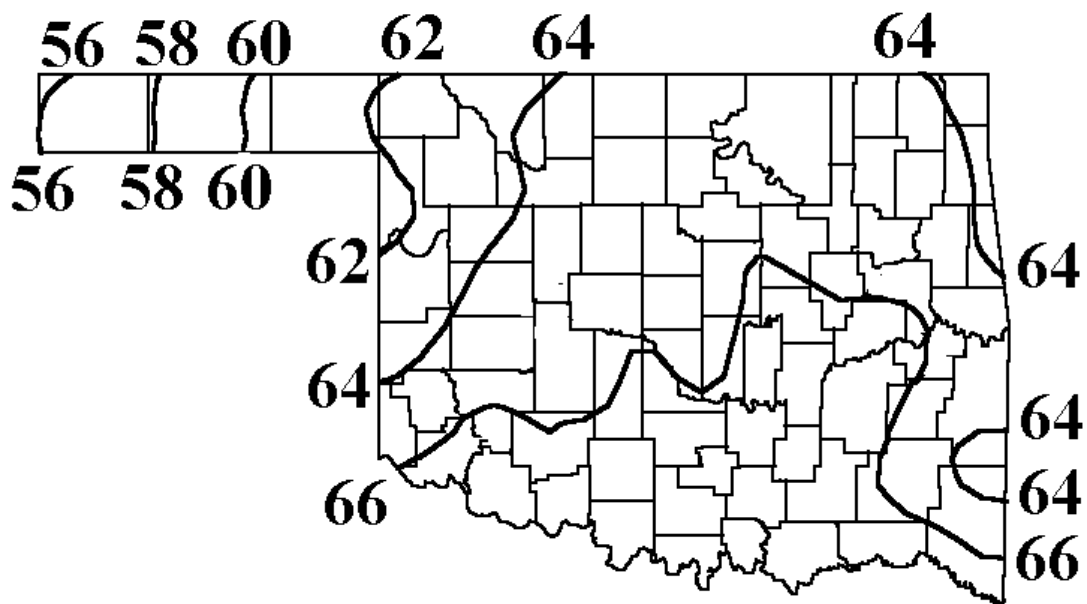
APRIL 2002 STATEWIDE EXTREMES

VARIABLE	STATION	DIVISION	OBSERVATION	DATE
Minimum temperature (F)	Boise City	1	18	3
Maximum temperature (F)	Beaver	1	96	16
Maximum 24-hour Precipitation	Tuskahoma	9	6.57	8

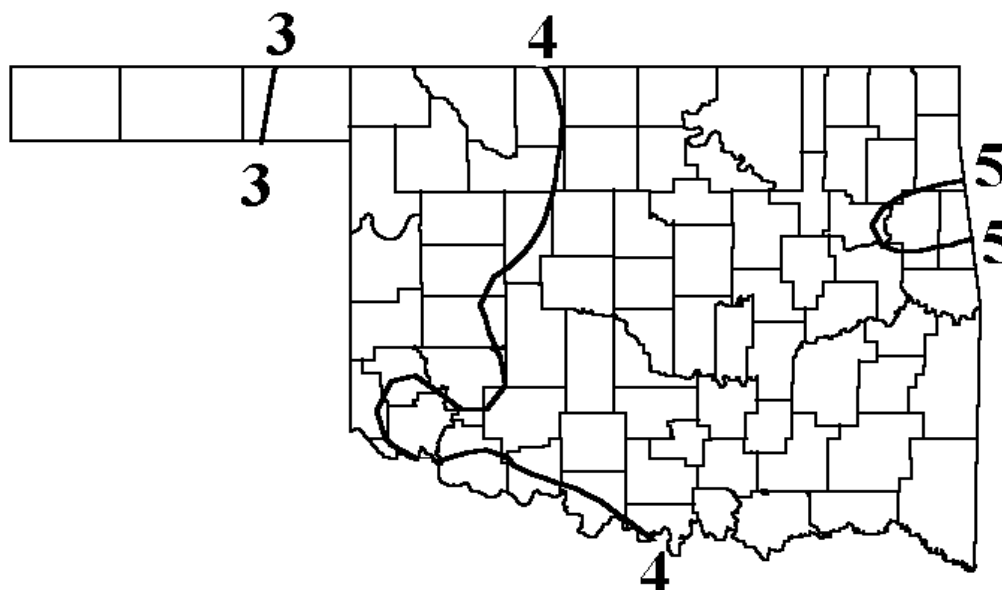
JUNE NORMAL DAILY MAXIMUM TEMPERATURE (°F)



JUNE NORMAL DAILY MINIMUM TEMPERATURE (°F)



JUNE NORMAL MONTHLY PRECIPITATION (INCHES)



JUNE TORNADO STATISTICS

The most tornadoes reported in **JUNE** for Oklahoma was **(28)** in **1995**.

The average number of tornadoes in **JUNE** for Oklahoma is **(9)**.

OUTLOOK FOR JUNE 2002 THROUGH AUGUST 2002

BASED ON SEASONAL OUTLOOK PROVIDED BY THE CLIMATE PREDICTION CENTER

Temperature: Near Normal Temperature Statewide

**Precipitation: Above Normal Precipitation in Northeast
Near Normal Precipitation Elsewhere**

OKLAHOMA CITY CLIMATE CALENDAR

JUNE

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	2002	Record High	Year	Lowest Max	Year	Ave. Low	2002	Highest Min.	Year	Record Low	Year	Avg. Precip.	2002	Greatest Precip.	Year
1	73	83		99	1998	58	1903	62		75	1943	48	1982	0.17		3.37	1962
2	73	84		105	1998	56	1919	63		74	1980	46	1917	0.17		1.66	1973
3	73	84		98	1998	64	1919	63		75	1925	49	1919	0.17		6.75	1932
4	74	84		95	1913	62	1928	63		75	1911	47	1954	0.17		3.90	1904
5	74	84		99	1917	66	1892	64		75	1980	48	1919	0.17		1.48	1927
6	74	85		102	1911	69	1983	64		75	1990	50	1998	0.16		3.01	1941
7	75	85		100	1911	66	1891	64		78	1980	51	1983	0.16		1.44	1908
8	75	85		100	1988	64	1913	64		76	1984	52	1915	0.16		2.60	1974
9	75	86		100	1933	60	1913	65		77	1953	53	1996	0.16		2.56	1995
10	75	86		99	1934	68	1955	65		76	1953	50	1955	0.16		4.48	1945
11	76	86		100	1953	68	1898	65		75	1953	51	1955	0.15		1.61	1951
12	76	86		104	1953	72	1903	65		78	1958	50	1896	0.15		4.74	1944
13	76	87		101	1924	70	1927	66		78	1958	52	1906	0.15		4.56	1989
14	77	87		106	1953	63	1927	66		78	1953	51	1947	0.15		3.95	1930
15	77	87		105	1953	71	1908	66		79	1953	55	1969	0.15		3.01	1930
16	77	88		106	1911	70	1961	66		77	1953	50	1917	0.14		3.59	1955
17	77	88		102	1924	69	1963	67		78	1990	53	1912	0.14		1.85	1975
18	77	88		101	1936	68	1912	67		78	1924	53	1912	0.14		0.93	1957
19	78	88		101	1953	70	1920	67		80	1953	55	1926	0.14		1.68	1987
20	78	89		105	1953	73	1905	67		80	1998	51	1976	0.13		2.28	1958
21	78	89		104	1953	69	1902	68		79	1953	56	1906	0.13		3.28	1948
22	78	89		107	1936	73	1912	68		79	1998	50	1902	0.13		2.38	1957
23	79	89		101	1934	68	1921	68		77	1934	58	1958	0.13		2.79	1908
24	79	90		104	1911	74	1909	68		78	1953	54	1957	0.13		2.06	1948
25	79	90		105	1980	68	1967	68		82	1911	51	1974	0.12		2.29	1960
26	79	90		104	1918	69	1904	68		81	1933	50	1958	0.12		1.70	1985
27	79	90		103	1994	75	1904	69		79	1947	52	1974	0.12		2.19	1907
28	80	90		105	1980	78	1923	69		78	1986	56	1974	0.12		3.10	1988
29	80	91		103	1925	76	1908	69		78	1998	54	1923	0.11		2.00	1987
30	80	91		102	1925	73	1923	69		80	1980	58	1923	0.11		2.33	1981
MONTH	76.7	87.3		107	1936	56	1919	66.1		82	1911	46	1917	4.31		6.75	1932

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

TULSA CLIMATE CALENDAR

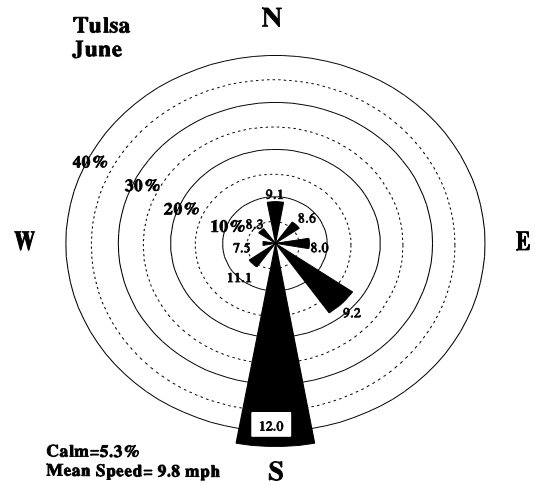
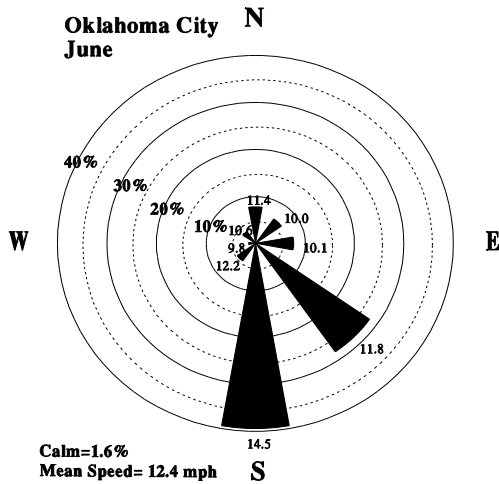
JUNE

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

Day	Avg. Temp.	Ave. High	Record High	Lowest Max	Year	Ave. Low	2002	Highest Min.	Year	Record Low	Year	Avg. Precip.	2002	Greatest Precip.	Year
1	74	84	98	69	1934	64		77	1980	51	1982	0.18		2.83	1962
2	74	84	102	59	1911	64		76	1980	49	1907	0.17		2.14	1973
3	75	84	101	58	1911	65		77	1925	52	1946	0.17		2.29	1926
4	75	85	102	66	1911	65		76	2001	49	1954	0.17		2.87	1985
5	75	85	102	70	1911	65		78	1980	49	1919	0.17		3.11	1952
6	75	85	106	73	1911	65		76	1980	50	2000	0.17		2.65	1974
7	76	86	100	69	1911	66		79	1980	51	1935	0.16		5.80	1919
8	76	86	104	67	1911	66		79	1984	52	1915	0.16		4.90	1974
9	76	86	105	60	1911	66		79	1981	56	1996	0.16		4.88	1941
10	76	86	108	70	1911	66		80	1911	54	1955	0.16		2.10	1904
11	77	87	100	69	1924	67		80	1911	51	1955	0.16		2.09	1945
12	77	87	99	73	1953	67		77	1958	50	1913	0.15		1.63	1944
13	77	87	101	69	1924	67		80	1958	52	1985	0.15		0.94	1927
14	77	87	107	69	1911	67		78	1991	51	1942	0.15		2.58	1961
15	78	88	102	71	1924	68		78	1911	52	1933	0.15		2.66	1981
16	78	88	106	73	1911	68		78	1953	50	1917	0.15		1.26	1943
17	78	88	102	68	1925	68		79	1932	52	1960	0.15		3.97	1980
18	78	88	104	70	1918	68		80	1953	54	1912	0.14		1.50	1978
19	79	89	106	71	1918	69		80	1953	51	1912	0.14		2.00	1905
20	79	89	107	77	1918	69		82	1998	53	1976	0.14		1.45	1978
21	79	89	107	73	1936	69		80	1934	54	1961	0.14		4.37	1948
22	79	89	106	75	1936	69		78	1936	56	1935	0.14		1.67	1985
23	80	90	103	69	1934	70		81	1925	57	1920	0.13		2.79	1995
24	80	90	104	72	1933	70		80	1980	55	1974	0.13		5.30	1921
25	80	90	105	70	1933	70		80	1980	52	1974	0.13		1.98	1967
26	80	90	105	74	1918	70		80	1998	53	1974	0.13		2.77	1948
27	80	91	102	77	1980	70		80	1980	53	1968	0.13		2.57	1904
28	81	91	106	77	1925	71		80	1980	58	1985	0.12		2.75	1977
29	81	91	105	78	1925	71		80	1980	57	1923	0.12		1.99	1995
30	81	91	107	76	1925	71		80	1980	57	1943	0.12		2.90	1942
MONTH	77.7	87.7	108	58	1911	67.7		82	1998	49	1907	0.15		5.80	1919

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

JUNE WIND ROSES



June 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.

JUNE SUNRISE/SUNSET TIMES FOR 2002

ALL TIMES ARE CENTRAL STANDARD TIME

OKLAHOMA CITY

DATE	SUNRISE	SUNSET
6/1/02	5:16 AM	7:40 PM
6/2/02	5:16 AM	7:41 PM
6/3/02	5:16 AM	7:41 PM
6/4/02	5:15 AM	7:42 PM
6/5/02	5:15 AM	7:42 PM
6/6/02	5:15 AM	7:43 PM
6/7/02	5:15 AM	7:43 PM
6/8/02	5:15 AM	7:44 PM
6/9/02	5:14 AM	7:44 PM
6/10/02	5:14 AM	7:45 PM
6/11/02	5:14 AM	7:45 PM
6/12/02	5:14 AM	7:46 PM
6/13/02	5:14 AM	7:46 PM
6/14/02	5:14 AM	7:47 PM
6/15/02	5:14 AM	7:47 PM
6/16/02	5:14 AM	7:47 PM
6/17/02	5:14 AM	7:48 PM
6/18/02	5:15 AM	7:48 PM
6/19/02	5:15 AM	7:48 PM
6/20/02	5:15 AM	7:48 PM
6/21/02	5:15 AM	7:49 PM
6/22/02	5:15 AM	7:49 PM
6/23/02	5:16 AM	7:49 PM
6/24/02	5:16 AM	7:49 PM
6/25/02	5:16 AM	7:49 PM
6/26/02	5:17 AM	7:49 PM
6/27/02	5:17 AM	7:49 PM
6/28/02	5:17 AM	7:49 PM
6/29/02	5:18 AM	7:49 PM
6/30/02	5:18 AM	7:49 PM

TULSA

DATE	SUNRISE	SUNSET
6/1/02	5:08 AM	7:35 PM
6/2/02	5:08 AM	7:36 PM
6/3/02	5:07 AM	7:37 PM
6/4/02	5:07 AM	7:37 PM
6/5/02	5:07 AM	7:38 PM
6/6/02	5:07 AM	7:38 PM
6/7/02	5:06 AM	7:39 PM
6/8/02	5:06 AM	7:39 PM
6/9/02	5:06 AM	7:40 PM
6/10/02	5:06 AM	7:40 PM
6/11/02	5:06 AM	7:41 PM
6/12/02	5:06 AM	7:41 PM
6/13/02	5:06 AM	7:42 PM
6/14/02	5:06 AM	7:42 PM
6/15/02	5:06 AM	7:42 PM
6/16/02	5:06 AM	7:43 PM
6/17/02	5:06 AM	7:43 PM
6/18/02	5:06 AM	7:43 PM
6/19/02	5:07 AM	7:44 PM
6/20/02	5:07 AM	7:44 PM
6/21/02	5:07 AM	7:44 PM
6/22/02	5:07 AM	7:44 PM
6/23/02	5:07 AM	7:45 PM
6/24/02	5:08 AM	7:45 PM
6/25/02	5:08 AM	7:45 PM
6/26/02	5:08 AM	7:45 PM
6/27/02	5:09 AM	7:45 PM
6/28/02	5:09 AM	7:45 PM
6/29/02	5:09 AM	7:45 PM
6/30/02	5:10 AM	7:45 PM

ADD ONE HOUR FOR CENTRAL DAYLIGHT TIME

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