

OKLAHOMA MONTHLY SUMMARY REVISED APRIL 1999

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MONTHLY SUMMARY FOR APRIL 1999

Oklahoma's precipitation was much greater than normal during April in all but a very narrow band along the Red River in the extreme south central and southeast. The statewide-averaged monthly precipitation of 5.88 inches during April 1999 was 2.79 inches greater than normal and ranks as the 9th greatest April precipitation total since the inception of official records in 1892. The rains of April brought the year-to-date statewide precipitation to 13.04 inches (4.14 inches greater than normal) giving 1999 the 10th wettest January-through-April in 108 years.

April temperatures averaged 60.2 degrees across the state, a bare one-half degree below normal and the 59th lowest April temperature on record. The first four months of the year have yielded an average temperature of 49.3 degrees, statewide, 1.9 degrees lower than normal, to rank this year, thus far, as the 27th warmest ever recorded in the state.

Strong thunderstorms moved across the state from the 2nd through the 5th. The Mesonet site near Hollis (Harmon County) recorded 83 mile-per-hour winds on the 2nd and the Kingfisher (Kingfisher County) site recorded winds as great as 76 miles per hour on the 3rd. Damage from thunderstorm-related winds was widespread. Small tornadoes were reported in Sequoyah and Adair counties on the 4th and in Muskogee, Alfalfa, Woods, and Garfield counties on the 5th. Daisy (Atoka) recorded 5.18 inches of rain over the period.

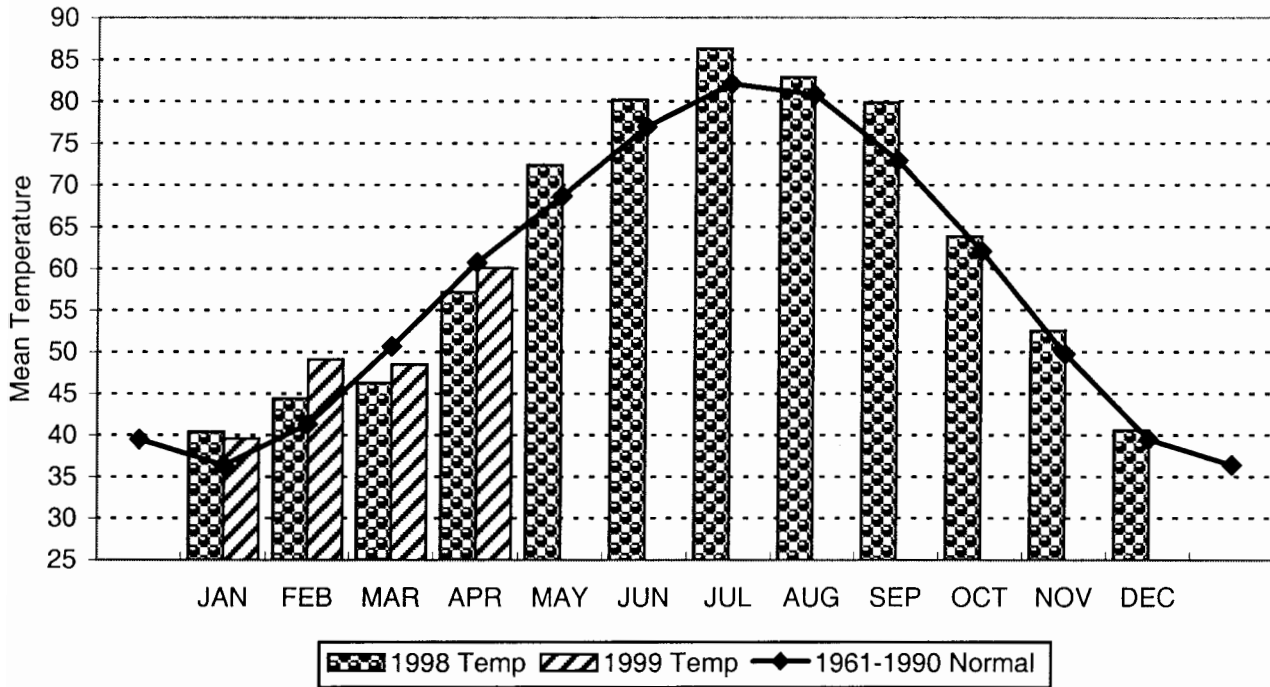
Cherokee (Alfalfa) reported six inches of rain, leading to local flooding, on the 14th. The Camargo (Dewey) Mesonet site recorded a peak wind of 75 miles per hour, one of 14 Mesonet sites in western Oklahoma that reporting gusts in excess of 60 miles per hour that day. Wind damage and large hail were reported in many locations, mostly in the west.

Major thunderstorm activity from 21st through the 26th wreaked havoc in northern, central and eastern Oklahoma. Several tornadoes were reported in Garfield County on the 21st, including one that struck Carrier, causing considerable damage. Flooding was reported in Major and Garfield counties and large hail was reported in many areas. Weak tornadoes were reported in Mayes, Wagoner, and Rogers counties on the 22nd. Heavy rains led to local flooding in Muskogee, Okfuskee, Okmulgee, and Cherokee counties. After a brief respite on the 23rd, widespread heavy rain returned on the 24th, continuing through the 26th and leading to local flooding in many areas of eastern and central Oklahoma. Several streams, including the Deep Fork River, the North Canadian River, the Salt Fork of the Arkansas, Tar Creek, Bird Creek, and Choctaw Creek were out of their banks for a time. Flood waters forced people out their homes in Hominy (Osage) and Choctaw (Oklahoma). Six deaths (five from traffic accidents and one from drowning) were attributed to the inclement weather. Pryor (Mayes) recorded 8.37 inches of rain from the 21st through the 26th. Hollow (Craig), Dustin (Hughes), Hominy (Osage), Wewoka (Seminole), Claremore (Rogers), and Vinita (Craig) all reported more than 7 inches of rain over the same period.

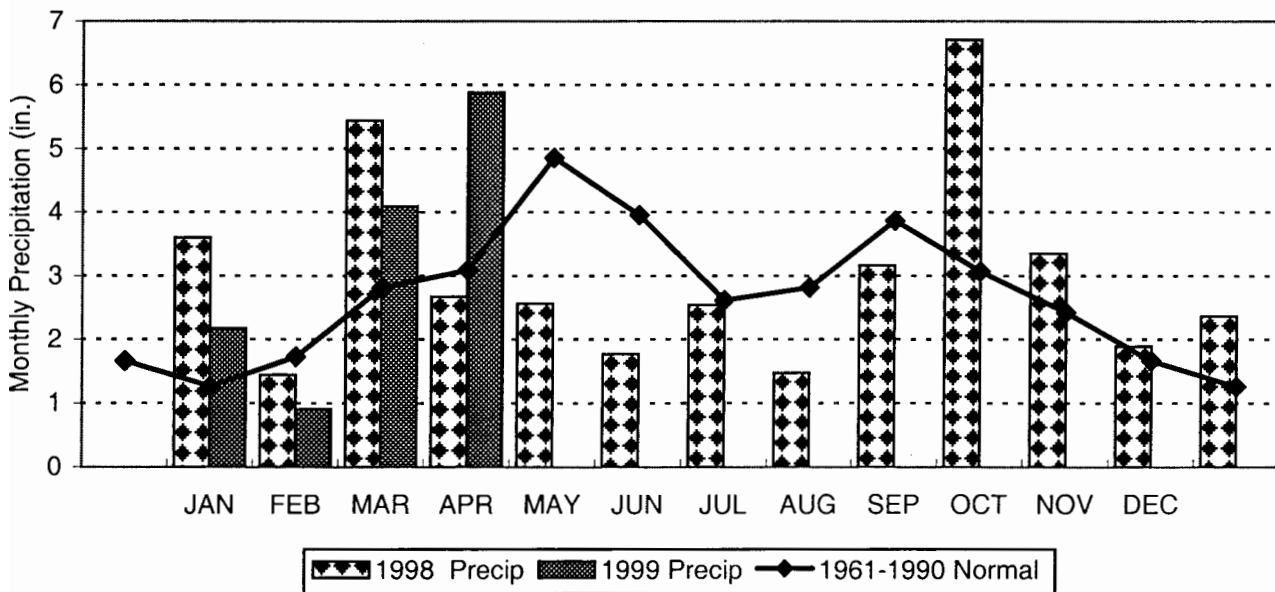
The month ended on a wet note in the Panhandle as Kenton reported 4.03 inches of rain on the 29th and 30th.

Howard L. Johnson

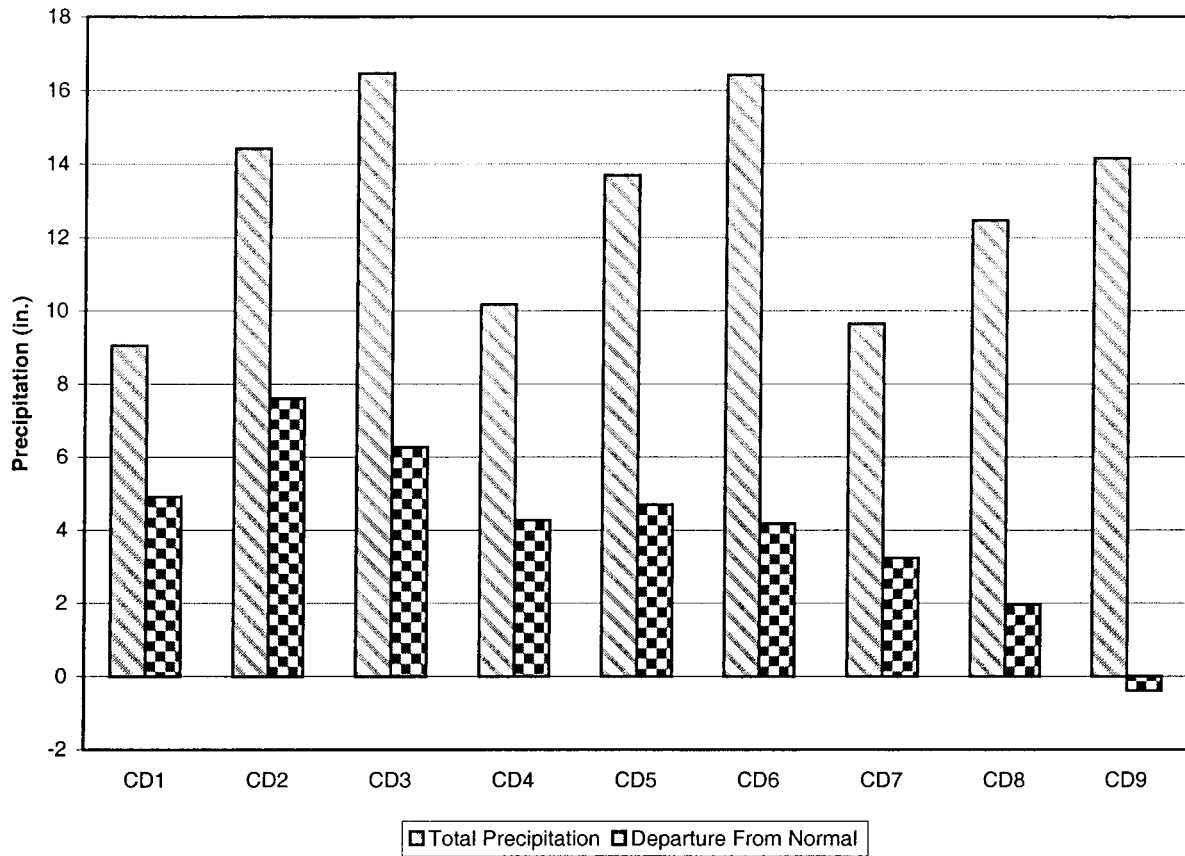
1998 and 1999 STATEWIDE TEMPERATURES Monthly Averages



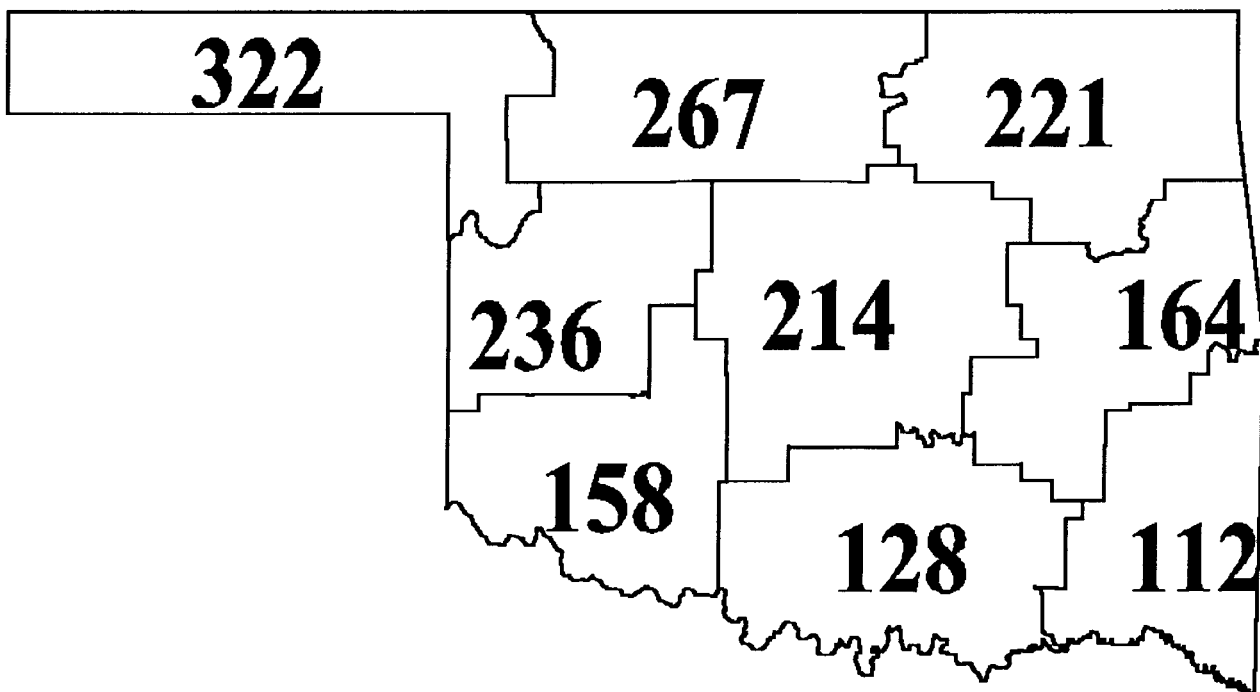
1998 and 1999 STATEWIDE PRECIPITATION Monthly Totals



CD Averaged Precipitation January through April 1999



CD PERCENT OF NORMAL PRECIPITATION
April 1999



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

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	90	21	ARNETT	24 24	16 11	BOISE CITY KENTON	3.02	30	KENTON	8.06	LAVERNE
2	92	19	FREEDOM	28	16	FREEDOM	6.00	14	CHEROKEE	11.29	CHEROKEE
3	89	20	MANNFORD	30 30	18 19	BARNSDALL BARNSDALL	5.91	25	CLEVELAND	10.22	PRYOR
4	96	21	ERICK	30 30 30	17 18 18	HAMMON HAMMON TALOGA	3.43	25	RETROP	8.01	TALOGA
5	92	22	CHICKASHA	28 28 28	17 18 19	GUTHRIE PURCELL PURCELL	4.72	25	SHAWNEE	9.72	WEWOKA
6	89	19	HANNA	30	18	STILWELL	5.50	26	HOLDENVILLE	10.18	DUSTIN
7	98	20	HOLLIS	28	18	ANADARKO	4.50	25	LOOKEBA	6.85	LOOKEBA
8	92	22	WAURIKA	28	17	CHICKASAW	4.17	3	DAISY	10.02	ALLEN
9	89	9	WILBURTON	29 29 29 29	16 17 18 18	BATTIEST PAGE PAGE TUSKAHOMA	2.43	25	SPIRO	8.23	WILBURTON

TABLE OF 1998/1999 COMPARISONS

**APRIL
Temperature (°F)**

**APRIL
Precipitation (in.)**

Station	1998	1999	1998	1999
Arnett	52.8	55.0	2.06	6.31
Enid	53.5	57.8	2.22	7.38
Tulsa	57.8	61.5	4.55	7.21
Elk City	56.0	57.9	0.92	4.06
Oklahoma City	57.4	61.3	3.34	6.92
McAlester	59.2	62.3	0.83	5.63
Altus Irr Station	58.4	61.7	0.31	2.23
Ardmore	61.8	64.1	1.23	4.12
Idabel	59.5	****	1.94	3.30

EXTREMES

VARIABLE	STATION	DIVISON	OBSERVATION	DATE
Minimum temperature (°F)	Boise City	1	24	16
	Kenton	1	24	11
Maximum temperature (°F)	Hollis	7	98	20
Maximum 24-hour Precipitation	Cherokee	2	6.00"	14

APRIL 1999 SUMMARY FOR PANHANDLE DIVISION (CD1)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN DAY	TEMP DAY	DAY	HEAT		DEV		TOT PPT	NUM OBS	DEV		DAY
					FROM NORM	MAX TEMP				DEG DAY	FROM NORM	DEG DAY	FROM NORM			MAX 24-HR		
ARNETT	332	1	55.0	30	-2.1	90	21	28	18	310	50	11	-12	6.311	30	4.53	1.88	25
BEAVER	593	1	53.6	30	-2.2	86	21	28	18	346	52	4	-14	3.740	30	2.19	1.32	15
BOISE CITY	908	1	52.9	29	-2.3	86	20	24	16	355	49	3	-10	4.665	30	3.49	1.50	5
BUFFALO	1243	1	58.0	30	-1.7	88	20	29	19	228	20	18	-31	5.700	30	3.35	2.40	14
FARGO	3070	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.441	30	5.43	2.51	14
GAGE	3407	1	55.0	27	*****	85	1	29	18	276	*****	5	*****	6.061	27	*****	2.48	14
GATE	3489	1	54.9	29	-2.3	86	21	30	17	303	39	12	-19	4.382	30	2.55	1.50	15
GOODWELL	3628	1	54.0	30	-0.5	87	21	25	18	335	8	6	-7	4.190	30	2.96	1.98	14
GUYMON	3835	1	54.3	29	*****	88	21	25	17	314	*****	4	*****	3.492	30	*****	0.91	30
HOOKER	4298	1	55.0	30	-1.4	86	20	27	17	304	27	4	-15	3.810	30	2.43	0.81	5
KENTON	4766	1	50.9	28	*****	80	21	24	11	397	*****	2	*****	7.152	29	*****	3.02	30
LAVERNE	5045	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.061	30	6.44	1.91	16
RANGE	7412	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.775	30	*****	1.02	14
REGNIER	7534	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.630	30	3.54	2.59	30
TURPIN	9017	1	54.8	25	*****	87	21	28	19	259	*****	3	*****	5.600	25	*****	1.77	15

APRIL 1999 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN DAY	TEMP DAY	DAY	HEAT		DEV		TOT PPT	NUM OBS	DEV		DAY
					FROM NORM	MAX TEMP				DEG DAY	FROM NORM	DEG DAY	FROM NORM			MAX 24-HR		
ALVA	193	2	57.7	30	*****	90	21	31	17	240	*****	20	*****	8.060	30	*****	2.95	14
VANCE AFB	302	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.896	30	*****	1.77	25
BILLINGS	755	2	57.6	30	-0.5	85	21	31	17	235	-1	13	-17	7.051	30	3.96	2.10	25
BLACKWELL 2E	818	2	58.0	30	-0.7	87	21	35	19	225	7	16	-14	7.083	30	4.11	2.40	14
BRAMAN	1075	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.510	30	*****	2.11	14
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.230	30	*****	2.65	14
CHEROKEE	1724	2	56.4	30	-3.7	86	21	31	18	272	84	15	-27	11.290	30	8.91	6.00	14
ENID	2912	2	57.8	30	-2.7	88	21	32	18	233	56	17	-25	7.380	30	4.51	2.85	25
FT SUPPLY	3304	2	55.7	30	-1.5	89	20	29	16	296	34	18	-11	7.210	30	5.47	1.80	24
FREEDOM	3358	2	56.2	27	*****	92	19	28	16	248	*****	11	*****	5.910	27	*****	1.50	23
GREAT SALT P	3740	2	58.0	30	-0.4	87	21	35	17	229	-2	20	-13	7.371	30	4.71	2.98	14
HARDY	3909	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.650	30	*****	1.96	14
HELENA	4019	2	56.8	30	-0.3	85	21	30	17	258	0	11	-10	6.830	30	4.35	2.96	14
JEFFERSON	4573	2	60.0	30	0.3	88	20	32	17	184	-16	33	-9	7.000	30	4.24	2.46	13
LAMONT	5013	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.550	30	*****	2.06	14
MEDFORD	5768	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.390	30	*****	2.64	13
MORRISON	6065	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.340	30	*****	4.25	25
MUTUAL	6139	2	55.4	30	-1.7	87	21	29	18	300	37	13	-14	6.240	30	3.81	2.70	3
NEWKIRK	6278	2	56.7	30	-2.9	85	21	33	17	264	63	15	-25	7.581	30	4.49	2.45	14
ORIENTA	6751	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.340	16	*****	1.15	3
PERRY	7012	2	60.6	29	-0.8	88	21	35	17	154	-8	26	-27	6.241	29	*****	2.48	25
PONCA CITY	7201	2	60.8	30	1.7	89	20	36	17	170	-42	43	8	4.152	30	1.33	1.42	25
RED ROCK	7505	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.701	30	1.94	2.60	24
WAYNOKA	9404	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.150	24	*****	3.00	14
WOODWARD	9760	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.972	31	5.92	3.68	14

APRIL 1999 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV				MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		
					FROM NORM	MAX TEMP	DAY	TEMP								FROM NORM	MAX 24-HR	DAY
BARNSDALL	535	3	61.3	30	0.2	88	20	30	19	153	-10	41	-6	8.482	30	5.14	3.65	25
BARTLESVILLE	548	3	61.5	30	0.2	88	20	38	18	149	-13	42	-8	6.820	30	3.43	2.18	25
BIXBY	782	3	60.2	28	****	86	20	33	18	154	*****	21	*****	7.851	29	*****	3.40	26
BURBANK	1256	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.442	30	2.68	1.89	25
CHELSEA	1717	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.340	30	*****	2.20	27
CLAREMORE	1828	3	58.6	29	-0.4	84	22	31	18	203	1	17	-5	8.720	29	****	3.08	27
CLEVELAND 2	1902	3	60.6	26	****	87	20	40	15	132	*****	19	*****	9.791	28	****	5.91	25
FORAKER	3250	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.970	30	2.85	2.00	14
HOLLOW	4258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	10.050	30	6.43	2.56	27
HOMINY	4289	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	9.091	30	6.02	3.84	25
KANSAS	4672	3	60.5	28	****	83	20	35	17	145	*****	20	*****	5.623	30	1.34	1.25	26
LENAPAH	5118	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.590	30	*****	1.98	26
MANNFORD	5522	3	61.5	29	-0.5	89	20	34	17	137	-12	35	-24	6.480	29	****	2.22	25
MARAMEC	5540	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.423	30	4.37	3.71	25
NOWATA	6485	3	61.0	29	0.7	84	21	35	18	147	-39	31	-14	7.560	29	****	3.02	26
PAWHUSKA	6935	3	61.2	30	0.6	87	20	31	18	155	-21	40	-4	8.119	30	4.78	3.00	25
PAWNEE	6940	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.010	30	4.90	3.84	25
PRYOR	7309	3	59.5	30	0.7	84	21	34	18	178	-36	11	-16	10.222	30	6.31	3.71	26
SKIATOOK	8258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.510	30	4.06	3.12	25
SPAVINAW	8380	3	62.8	30	1.2	85	21	37	17	114	-36	47	-1	8.334	30	4.34	2.41	26
TULSA	8992	3	61.5	30	0	85	20	37	18	140	-12	33	-13	7.213	30	3.49	2.76	25
UPPER SPAV	9101	3	62.2	30	****	88	20	34	18	140	*****	57	*****	7.712	30	*****	1.54	14
VINITA	9203	3	60.7	30	1.2	84	20	36	18	160	-35	30	1	9.361	30	5.53	2.11	26
WAGONER	9247	3	62.9	30	1.1	85	20	35	18	111	-28	47	5	6.080	30	1.82	1.72	25
WANN	9298	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.921	30	*****	2.07	25
WYNONA	9792	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.284	30	*****	2.75	25

APRIL 1999 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV				MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		
					FROM NORM	MAX TEMP	DAY	TEMP								FROM NORM	MAX 24-HR	DAY
CANTON DAM	1445	4	58.4	28	****	87	22	32	17	204	*****	20	*****	7.250	28	****	3.00	25
CLINTON	1909	4	62.1	4	****	80	28	49	28	12	*****	0	*****	0.250	4	****	0.25	29
COLONY	2039	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.060	30	****	2.74	25
CORDELL	2125	4	58.8	30	-2	87	21	34	18	205	31	18	-28	4.374	30	2.34	2.50	25
ELK CITY	2849	4	57.9	30	-2.4	91	21	34	18	227	49	15	-23	4.060	30	2.00	2.71	25
ERICK	2944	4	58.8	30	-1.4	96	21	33	17	210	29	23	-14	3.670	30	1.63	2.24	25
GEARY	3497	4	59.1	6	****	78	3	40	4	36	*****	1	*****	4.600	11	****	2.50	25
HAMMON	3871	4	57.5	28	****	92	21	30	18	229	*****	18	*****	3.570	29	****	2.33	25
LEEDEY	5090	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.070	30	3.83	3.16	25
MACKIE	5463	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.570	30	****	1.97	25
MORAVIA	6035	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.430	30	2.42	2.40	25
OKEENE	6629	4	60.1	21	****	89	21	32	17	128	*****	26	*****	7.420	25	****	2.50	23
RETROP	7565	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.390	30	****	3.43	25
REYDON	7579	4	57.7	25	****	94	21	31	18	203	*****	20	*****	6.350	26	****	2.59	25
SAYRE	7952	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.130	30	1.21	2.65	25
SWEETWATER	8652	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.850	30	****	2.00	25
TALOGA	8708	4	57.3	30	-1.8	90	21	30	18	248	39	19	-14	8.013	30	5.65	2.75	3
THOMAS	8815	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.170	30	****	3.37	25
VICI	9172	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.271	30	4.80	2.00	2
WATONGA	9364	4	60.3	30	0.3	89	20	32	17	174	-15	34	-5	4.363	30	1.96	2.81	25
WEATHERFORD	9422	4	58.7	28	****	86	20	33	17	193	*****	17	*****	3.180	28	****	1.60	24

APRIL 1999 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV			MIN TEMP	DAY	HEAT			COOL			TOT PPT	NUM OBS	DEV		
					FROM NORM	MAX TEMP	DAY			DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM			MAX 24-HR	DAY	
AMBER	200	5	****	0	****	****	0	****	0	*****	*****	*****	*****	7.930	30	****	4.15	25		
ARCADIA	288	5	****	0	****	****	0	****	0	*****	*****	*****	*****	4.851	30	****	2.09	25		
BLANCHARD	830	5	62.6	29	0.4	88	22	34	17	114	-28	43	-14	8.235	30	5.13	2.40	26		
BRISTOW	1144	5	62.6	30	0.4	87	23	31	18	118	-26	47	-13	6.150	30	2.82	2.59	26		
CHANDLER	1684	5	60.7	27	****	89	23	30	16	145	*****	29	*****	7.520	28	*****	2.36	25		
CHICKASHA EXP	1750	5	63.6	30	1.1	92	22	32	18	109	-26	66	6	7.202	30	4.45	3.07	25		
COX CITY	2196	5	****	0	****	****	0	****	0	*****	*****	*****	*****	4.670	30	****	1.63	25		
CRESCENT	2242	5	****	0	****	****	0	****	0	*****	*****	*****	*****	6.470	30	****	3.82	25		
CUSHING	2318	5	60.2	29	0.1	87	23	35	18	166	-14	27	-7	6.952	29	****	3.40	25		
EDMOND	2788	5	****	0	****	****	0	****	0	*****	*****	*****	*****	6.310	30	****	1.92	24		
EL RENO	2818	5	60.1	30	-0.5	85	23	34	18	176	-2	29	-16	4.110	30	1.54	2.10	25		
GUTHRIE	3821	5	59.8	28	****	88	22	28	17	178	*****	33	*****	4.850	29	*****	2.10	25		
HENNESSEY	4055	5	58.7	30	-1.5	84	20	30	18	205	18	16	-27	6.720	30	4.03	2.53	25		
INGALLS	4489	5	****	0	****	****	0	****	0	*****	*****	*****	*****	8.520	30	****	4.20	25		
KINGFISHER	4861	5	58.7	30	-2.4	88	21	31	17	212	38	22	-35	4.051	30	1.44	2.43	25		
KONAWA	4915	5	****	0	****	****	0	****	0	*****	*****	*****	*****	7.390	30	3.31	4.25	25		
MARSHALL	5589	5	****	0	****	****	0	****	0	*****	*****	*****	*****	6.500	30	3.94	2.39	25		
MEEKER	5779	5	59.3	29	-2.3	88	23	34	18	189	31	22	-34	7.610	30	4.35	2.32	26		
MULHALL	6110	5	****	0	****	****	0	****	0	*****	*****	*****	*****	7.080	30	****	3.90	25		
NORMAN NWS	6386	5	61.0	30	-1.5	87	22	33	17	160	32	40	-14	8.663	30	5.43	3.57	25		
OKEMAH	6638	5	64.2	30	2.3	85	22	39	18	81	-57	57	13	8.580	30	4.66	2.80	26		
OKLAHOMA CTY	6659	5	****	0	****	****	0	****	0	*****	*****	*****	*****	7.004	30	*****	3.19	25		
OKLAHOMA CTY	6661	5	61.3	30	0.9	87	22	33	18	151	-26	39	1	6.924	30	4.15	3.79	25		
PERKINS	7003	5	****	0	****	****	0	****	0	*****	*****	*****	*****	6.130	30	3.21	3.80	25		
PIEDMONT	7068	5	****	0	****	****	0	****	0	*****	*****	*****	*****	5.970	30	****	4.00	25		
PRAGUE	7264	5	****	0	****	****	0	****	0	*****	*****	*****	*****	7.931	30	4.23	2.84	25		
PURCELL	7327	5	60.2	30	-2.2	89	23	28	19	172	40	29	-25	6.032	30	2.42	2.00	25		
SEMINOLE	8042	5	61.0	30	-2.6	86	22	33	18	149	43	27	-37	7.930	30	4.11	2.15	24		
SHAWNEE	8110	5	****	0	****	****	0	****	0	*****	*****	*****	*****	7.760	30	3.78	4.72	25		
STELLA	8479	5	****	0	****	****	0	****	0	*****	*****	*****	*****	8.262	30	****	3.78	26		
STILLWATER	8501	5	60.3	30	1	90	21	32	19	172	-33	30	-3	6.755	30	3.84	3.40	25		
STROUD	8563	5	****	0	****	****	0	****	0	*****	*****	*****	*****	6.074	30	****	2.15	26		
TECUMSEH	8751	5	****	0	****	****	0	****	0	*****	*****	*****	*****	9.310	30	****	4.20	25		
TROUSDALE	8960	5	60.6	30	****	87	23	33	18	157	*****	26	*****	7.000	30	****	2.50	27		
UNION CITY	9086	5	****	0	****	****	0	****	0	*****	*****	*****	*****	4.861	30	2.00	2.71	25		
WELTY	9479	5	****	0	****	****	0	****	0	*****	*****	*****	*****	6.710	30	****	2.15	27		
WEWOKA	9575	5	****	0	****	****	0	****	0	*****	*****	*****	*****	9.720	30	6.01	3.10	27		

APRIL 1999 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV			MIN TEMP	DAY	HEAT			COOL			TOT PPT	NUM OBS	DEV		
					FROM NORM	MAX TEMP	DAY			DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM			MAX 24-HR	DAY	
ASHLAND	364	6	****	0	****	****	0	****	0	*****	*****	*****	*****	8.000	30	****	4.65	25		
BEGGS	631	6	****	0	****	****	0	****	0	*****	*****	*****	*****	7.760	30	****	4.28	26		
CALVIN	1391	6	****	0	****	****	0	****	0	*****	*****	*****	*****	9.760	30	5.56	2.50	26		
CHECOTAH	1711	6	****	0	****	****	0	****	0	*****	*****	*****	*****	4.541	30	0.42	1.06	26		
CLAYTON	1858	6	****	0	****	****	0	****	0	*****	*****	*****	*****	9.570	30	****	3.70	3		
DEWAR	2485	6	****	0	****	****	0	****	0	*****	*****	*****	*****	8.694	30	4.67	1.61	27		
DUSTIN	2690	6	****	0	****	****	0	****	0	*****	*****	*****	*****	10.180	30	****	3.14	23		
EUFAULA	2993	6	63.8	29	0.5	86	20	40	18	84	-33	49	-16	5.000	29	****	1.30	27		
HANNA	3884	6	62.3	30	-0.1	89	19	32	18	121	-5	41	-7	6.832	30	2.74	1.12	25		
HASKELL	3956	6	****	0	****	****	0	****	0	*****	*****	*****	*****	6.340	30	2.69	1.89	26		
HOLDENVILLE	4235	6	62.9	19	****	87	21	36	21	56	*****	17	*****	8.650	19	****	5.50	26		
LAKE EUFAULA	4975	6	60.7	30	****	84	21	38	18	160	*****	29	*****	4.530	30	****	1.13	4		
LYONS	5437	6	****	0	****	****	0	****	0	*****	*****	*****	*****	6.342	30	1.57	1.26	23		
MARBLE CITY	5546	6	****	0	****	****	0	****	0	*****	*****	*****	*****	4.960	30	****	1.10	4		
MCALESTER	5664	6	62.3	30	0.4	84	20	33	17	116	-26	36	-14	5.633	30	1.53	1.81	24		
MCCURTAIN	5693	6	63.2	30	0.2	86	20	33	18	109	-5	56	2	7.820	30	3.28	2.75	25		
MUSKOGEE	6130	6	61.8	30	-0.2	85	20	34	18	132	-1	36	-6	4.941	30	0.86	1.20	25		
OKMULGEE	6670	6	63.4	19	****	84	8	42	6	51	*****	20	*****	6.541	30	2.35	2.17	25		
OKTAHA	6678	6	****	0	****	****	0	****	0	*****	*****	*****	*****	6.301	30	****	1.52	25		
SALLISAW	7862	6	62.0	30	-0.3	86	21	36	18	131	-1	41	-10	5.560	30	1.17	1.10	4		
SCPIO	7979	6	****	0	****	****	0	****	0	*****	*****	*****	*****	7.330	30	****	1.52	25		
SHORT	8170	6	****	0	****	****	0	****	0	*****	*****	*****	*****	5.380	30	****	1.72	3		
STILWELL	8506	6	59.8	30	-0.5	80	20	30	18	166	-9	10	-24	8.390	30	3.89	2.00	6		
TAHLEQUAH	8677	6	61.4	30	0.3	82	20	33	18	135	-27	26	-19	7.030	30	2.87	1.66	27		
WEBBERS FALL	9445	6	60.8	29	0.5	85	21	33	18	151	-24	28	-6	5.760	30	1.56	1.22	26		
WESTVILLE	9523	6	****	0	****	****	0	****	0	*****	*****	*****	*****	7.880	30	****	1.40	25		
WETUMKA	9571	6	****	0	****	****	0	****	0	*****	*****	*****	*****	9.213	30	4.97	2.12	25		

APRIL 1999 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ALTUS	179	7	61.7	28	****	94	20	30	17	128	*****	35	*****	2.230	30	0.31	1.12	25
ALTUS DAM	184	7	62.0	30	0.5	92	21	34	17	139	-17	48	-1	3.910	30	2.00	1.34	25
ANADARKO	224	7	57.7	29	-3.8	87	23	28	18	226	71	15	-35	5.551	29	*****	3.39	25
APACHE	260	7	****	0	****	****	0	****	0	*****	*****	*****	*****	5.710	30	3.11	3.90	25
ALTUS AFB	447	7	****	0	****	****	0	****	0	*****	*****	*****	*****	2.242	30	****	0.90	25
CARNEGIE	1504	7	****	0	****	****	0	****	0	*****	*****	*****	*****	3.881	30	1.52	2.40	24
CHATTANOOGA	1706	7	59.0	27	****	88	21	30	17	174	****	11	****	2.910	28	****	1.37	25
DUNCAN 11 W	2668	7	****	0	****	****	0	****	0	*****	*****	*****	*****	2.660	30	****	1.23	14
FREDERICK	3353	7	62.2	28	****	90	22	36	17	122	****	42	****	1.350	28	****	0.40	25
HEADRICK	3998	7	****	0	****	****	0	****	0	*****	*****	*****	*****	2.280	30	****	1.33	25
HOBART	4204	7	58.1	24	****	86	22	30	17	183	****	18	****	2.892	27	****	1.28	25
HOLLIS	4249	7	61.7	30	-1.2	98	20	33	17	157	26	57	-12	5.530	30	3.55	2.00	25
LAWTON	5063	7	61.3	28	****	91	23	32	17	139	****	35	****	4.300	29	****	2.30	25
LOOKEBA	5329	7	****	0	****	****	0	****	0	*****	*****	*****	*****	6.851	30	4.39	4.50	25
MANGUM	5509	7	62.2	30	-0.7	95	21	32	18	132	1	48	-20	0.840	31	-0.95	0.51	29
RANDLETT	7403	7	****	0	****	****	0	****	0	*****	*****	*****	*****	3.221	30	****	1.85	14
ROOSEVELT	7727	7	****	0	****	****	0	****	0	*****	*****	*****	*****	2.820	30	0.46	1.40	25
SEDAN	8016	7	****	0	****	****	0	****	0	*****	*****	*****	*****	2.841	30	****	1.42	25
SNYDER	8299	7	****	0	****	****	0	****	0	*****	*****	*****	*****	2.320	30	0.07	0.95	25
VINSON	9212	7	****	0	****	****	0	****	0	*****	*****	*****	*****	4.880	30	3.20	2.16	25
WALTERS	9278	7	62.0	29	-1.5	91	23	34	18	140	19	54	-23	3.130	29	****	1.60	14
WICHITA MT	9629	7	60.5	28	****	88	23	30	17	154	****	29	****	2.392	28	****	1.30	24
WILLOW	9668	7	****	0	****	****	0	****	0	*****	*****	*****	*****	5.140	30	****	3.80	25

APRIL 1999 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

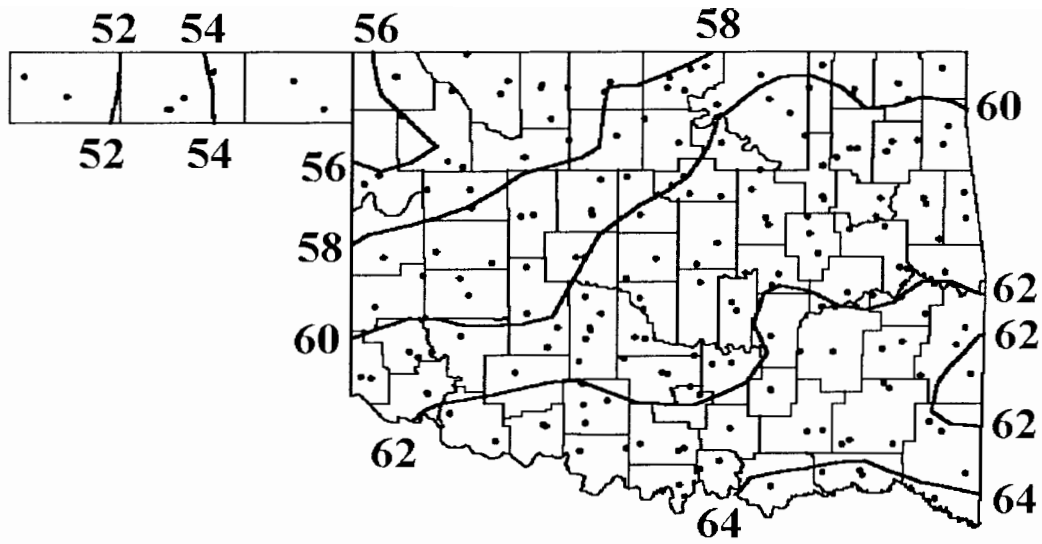
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ADA	17	8	62.0	30	-0.4	84	22	35	17	120	-13	31	-23	6.740	30	3.25	1.88	27
ALLEN	147	8	****	0	****	****	0	****	0	*****	*****	*****	*****	10.020	30	****	2.92	26
ARDMORE	292	8	64.1	30	-0.7	88	23	38	18	92	-4	65	-25	4.120	30	0.59	1.30	26
ATOKA DAM	394	8	64.3	22	****	86	21	32	19	52	****	36	****	5.090	22	****	2.15	5
BOKCHITO	917	8	****	0	****	****	0	****	0	*****	*****	*****	*****	1.350	30	****	0.70	27
CANEY	1437	8	****	0	****	****	0	****	0	*****	*****	*****	*****	6.130	30	****	2.99	3
CENTRAHOMA	1648	8	62.8	30	****	85	20	33	18	100	****	34	****	6.500	30	****	2.45	25
CHICKASAW	1745	8	61.4	28	****	88	23	28	17	141	****	41	****	5.870	29	****	2.71	25
COLEMAN	2011	8	****	0	****	****	0	****	0	*****	*****	*****	*****	3.870	30	****	1.50	26
COMANCHE	2054	8	63.3	30	****	87	22	35	16	99	****	48	****	7.760	30	4.78	2.63	3
DAISY	2354	8	****	0	****	****	0	****	0	*****	*****	*****	*****	9.453	30	4.40	4.17	3
DUNCAN	2660	8	62.4	30	-0.1	88	23	36	18	122	-6	45	-8	4.442	30	1.45	1.70	25
ELMORE CITY	2872	8	****	0	****	****	0	****	0	*****	*****	*****	*****	4.070	30	****	1.37	26
GRADY	3688	8	****	0	****	****	0	****	0	*****	*****	*****	*****	3.920	30	****	1.25	25
HEALDTON	4001	8	62.7	30	-0.5	89	23	34	17	117	-2	47	-18	3.900	30	0.46	1.36	27
HENNEPIN	4052	8	****	0	****	****	0	****	0	*****	*****	*****	*****	4.590	30	****	1.60	14
KETCHUM RAN	4780	8	****	0	****	****	0	****	0	*****	*****	*****	*****	4.140	30	****	1.85	14
KINGSTON	4865	8	****	0	****	****	0	****	0	*****	*****	*****	*****	2.781	30	-1.10	1.00	27
LEHIGH	5108	8	****	0	****	****	0	****	0	*****	*****	*****	*****	4.681	30	****	1.25	27
LINDSAY	5216	8	59.8	30	-2.6	88	22	31	17	187	50	30	-30	5.029	30	1.68	1.96	24
LOCO	5247	8	****	0	****	****	0	****	0	*****	*****	*****	*****	4.770	30	****	1.64	26
MADILL	5468	8	65.1	29	1.5	88	25	37	17	75	-27	79	19	3.800	29	****	1.67	27
MARIETTA	5563	8	62.1	30	-1.5	85	23	29	19	133	30	45	-16	3.420	30	-0.19	1.38	26
MARLOW	5581	8	63.0	30	0.8	90	22	30	16	119	-14	61	9	4.510	30	1.59	1.60	14
MCGEE CREEK	5713	8	63.6	30	****	86	21	34	18	93	****	51	****	5.680	30	****	1.50	3
PAULS VALLEY	6926	8	60.5	30	-2.7	84	20	30	18	161	39	25	-43	4.700	30	1.25	1.60	27
PONTOTOC	7214	8	****	0	****	****	0	****	0	*****	*****	*****	*****	4.850	30	1.03	1.00	26
TISHOMINGO	8884	8	65.2	20	****	87	19	41	4	49	****	52	****	3.430	22	****	1.16	25
TUSSY	9032	8	****	0	****	****	0	****	0	*****	*****	*****	*****	4.930	30	****	1.85	25
WAURIKA	9395	8	64.5	30	0.4	92	22	35	18	87	-24	72	-11	2.251	30	-0.69	1.44	26

APRIL 1999 SUMMARY FOR SOUTHEAST DIVISION (CD9)

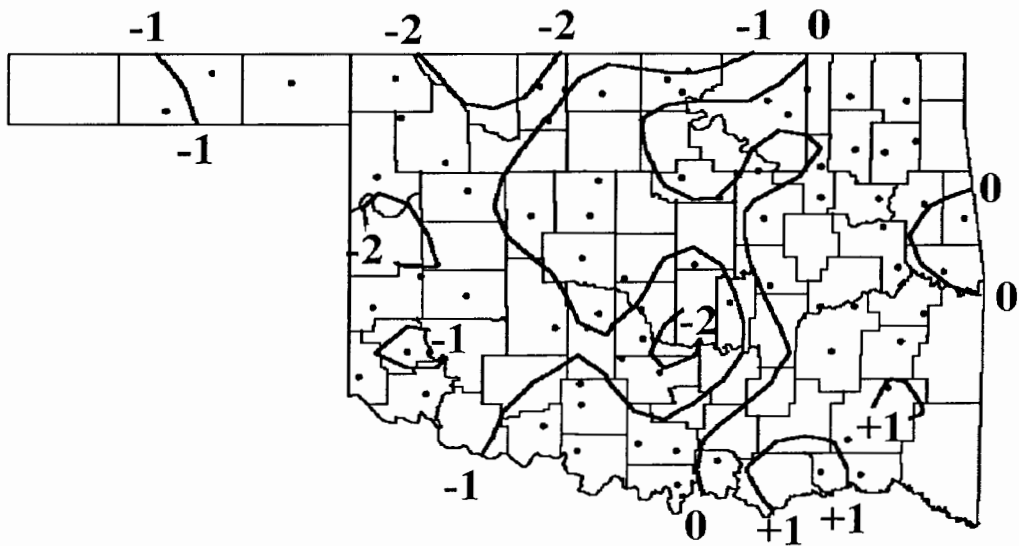
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	64.0	30	1.1	87	23	31	18	78	-31	47	1	2.830	30	-1.49	1.05	26
BATTIEST	567	9	60.4	29	*****	83	20	29	16	149	*****	16	*****	5.300	29	*****	0.95	3
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.870	30	*****	1.30	3
BOSWELL	980	9	64.3	30	1.5	84	20	35	18	92	-24	70	21	4.170	30	0.27	1.45	27
BROKEN BOW	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.120	30	1.61	1.82	6
CARNASAW	1499	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.542	30	0.65	1.63	27
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.750	30	3.07	2.00	28
HEAVENER	4008	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.890	30	-0.58	1.17	26
HUGO	4384	9	64.5	30	0.4	86	9	32	19	92	2	76	13	4.480	30	0.31	1.91	27
IDABEL	4451	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.292	30	-1.13	1.11	13
PAGE	6842	9	60.2	30	*****	83	24	29	18	177	*****	34	*****	5.760	30	*****	1.49	27
POTEAU	7254	9	62.9	30	*****	86	23	35	17	99	*****	36	*****	4.112	30	*****	1.02	26
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.900	30	2.54	2.43	25
TUSKAHOMA	9023	9	64.3	30	1.4	86	20	29	18	77	-43	57	1	5.052	30	0.33	1.69	25
VALLIANT	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.711	30	-0.63	1.45	25
WILBURTON	9634	9	63.0	30	1	89	9	31	18	104	-36	44	-6	8.230	30	3.53	1.72	26
WISTER	9724	9	62.3	30	*****	84	24	31	18	116	*****	36	*****	3.290	30	*****	0.64	5

APRIL 1999 CLIMATE DIVISION SUMMARY

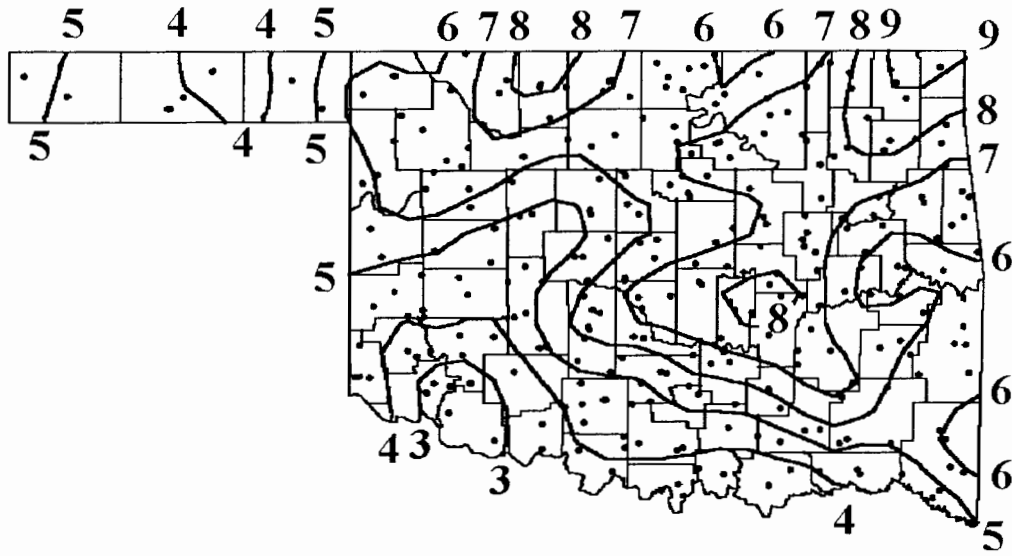
CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
1	54.7	8	-1.7	90	21	24	11	312	32	8	-15	5.020	12	3.42	3.02	30
2	57.8	13	-1.3	92	19	28	16	235	22	20	-17	6.930	21	4.36	6.00	14
3	61.2	12	0.6	89	20	30	19	149	-24	36	-4	7.740	21	4.23	5.91	25
4	58.6	5	-1.2	96	21	30	18	213	17	22	-18	5.100	14	2.91	3.43	25
5	61.0	15	-0.6	92	22	28	19	155	2	35	-15	6.920	34	3.73	4.72	25
6	61.8	10	0.1	89	19	30	18	130	-13	35	-10	7.010	25	2.82	5.50	26
7	61.1	5	-1	98	20	28	18	159	15	44	-14	3.580	16	1.31	4.50	25
8	62.8	13	-0.2	92	22	28	17	116	-6	49	-13	4.950	26	1.31	4.17	3
9	62.9	9	0.1	89	9	29	18	109	-8	46	-5	5.000	16	0.54	2.43	25



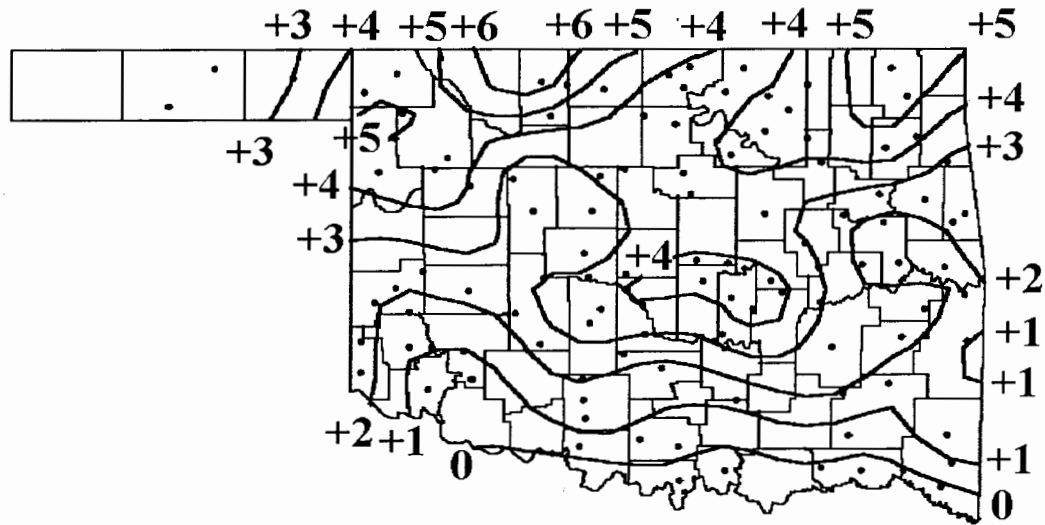
APRIL 1999 AVERAGE MONTHLY TEMPERATURE (F)



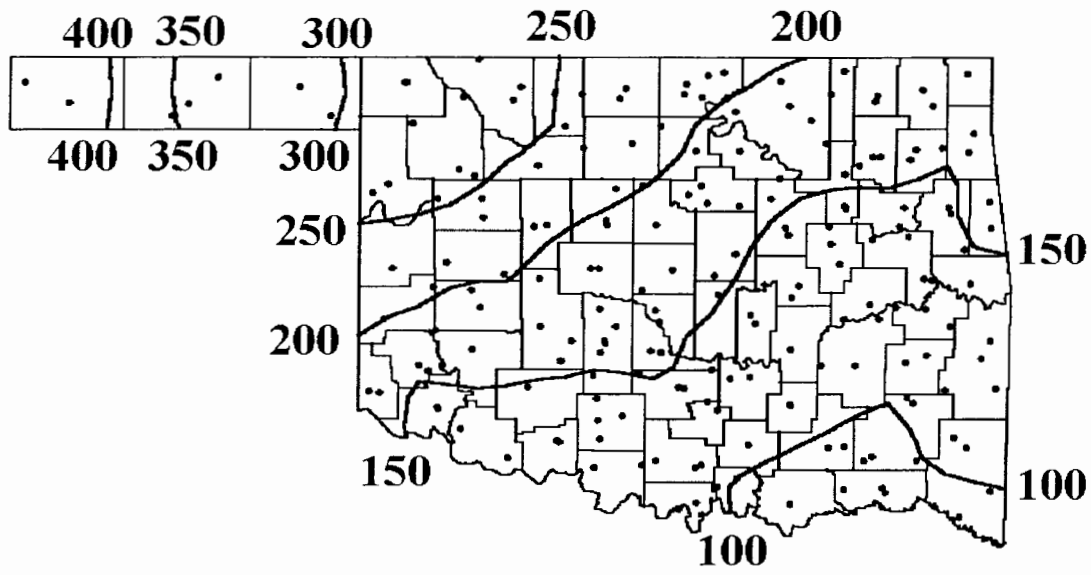
APRIL 1999 DEPARTURE FROM NORMAL TEMPERATURE (F)



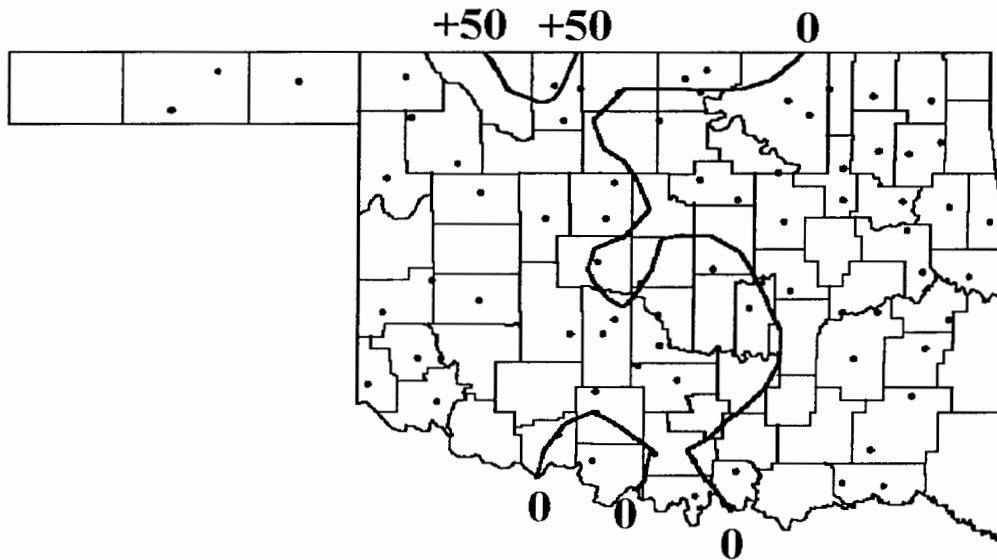
APRIL 1999 TOTAL PRECIPITATION (INCHES)



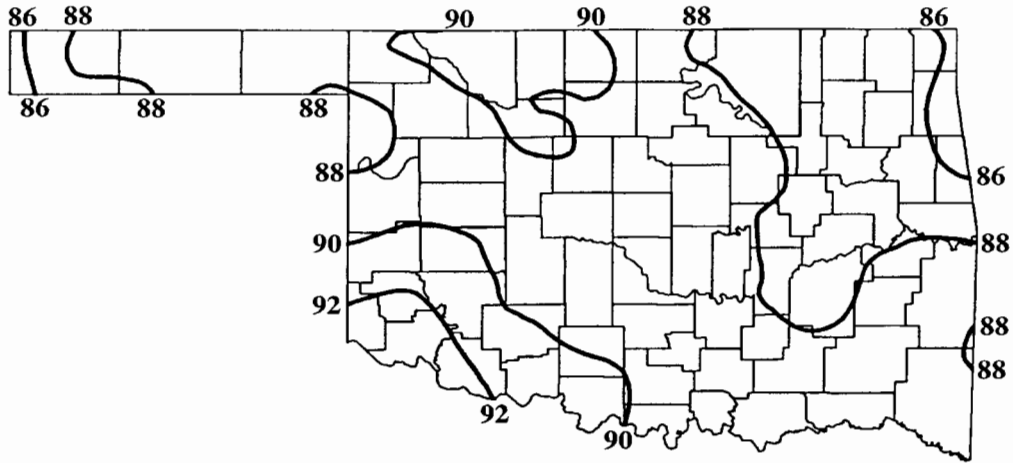
APRIL 1999 DEPARTURE FROM NORMAL PRECIPITATION (INCHES)



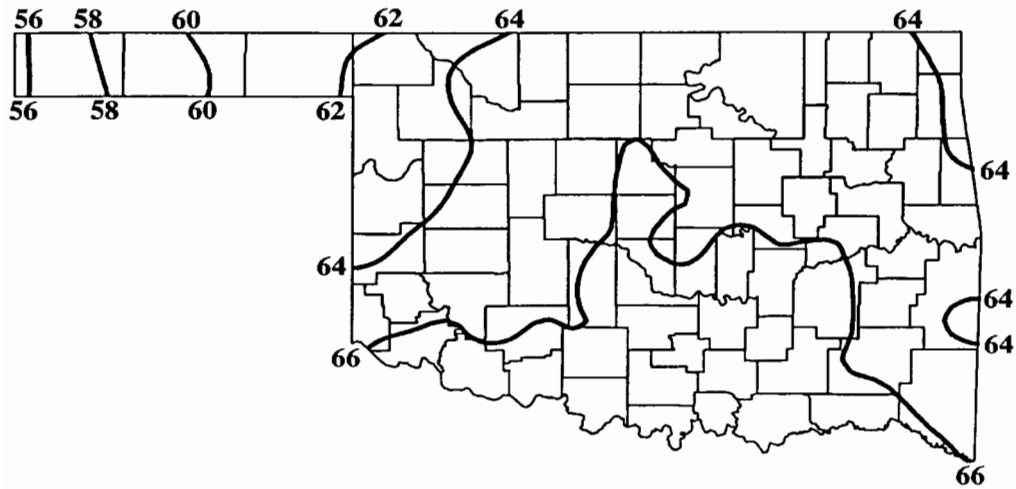
APRIL 1999 ACCUMULATED HEATING DEGREE DAYS (F)



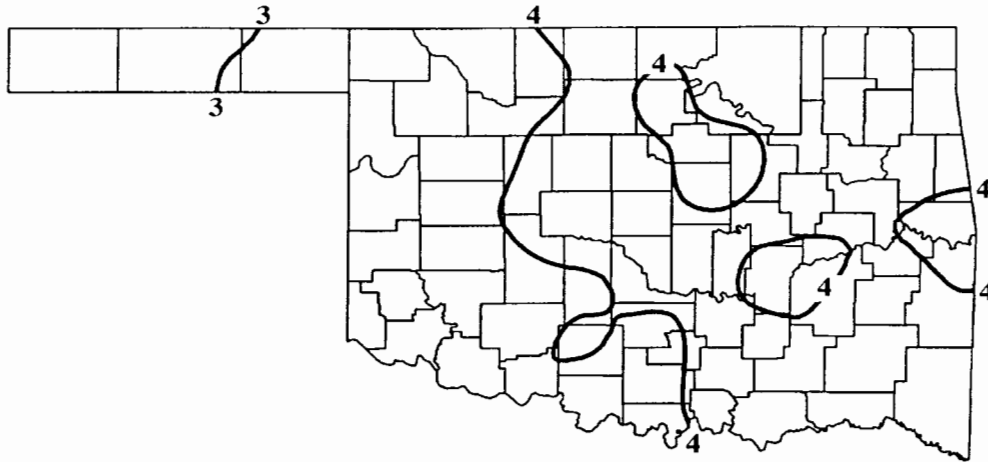
APRIL 1999 DEPARTURE FROM NORMAL HEATING DEGREE DAYS (F)



JUNE NORMAL DAILY MAXIMUM TEMPERATURE (F)



JUNE NORMAL DAILY MINIMUM TEMPERATURE (F)

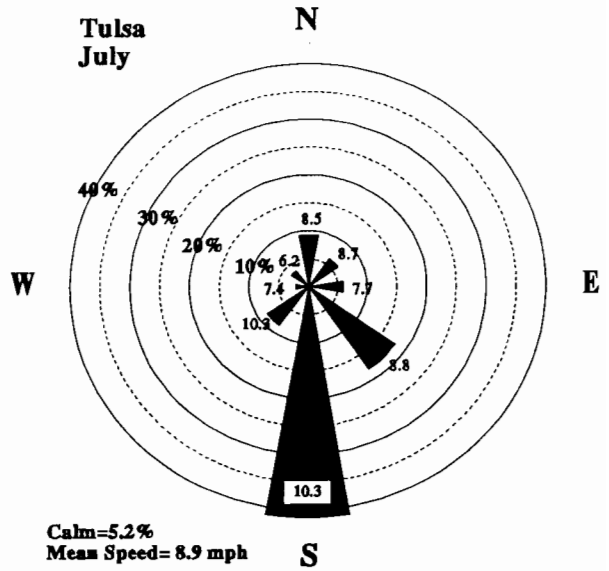
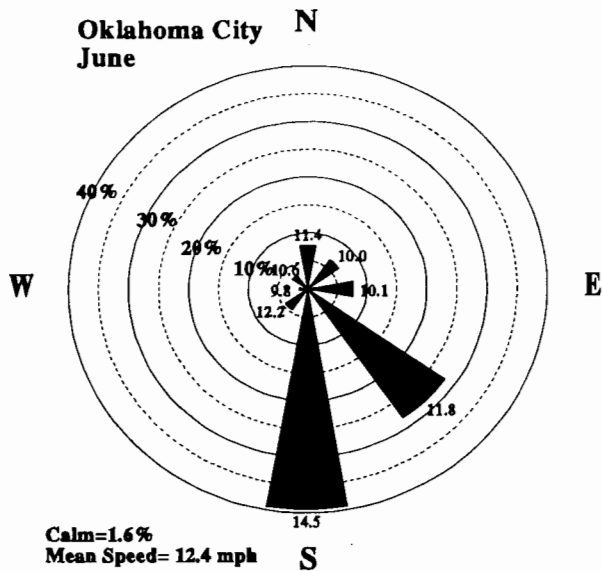


JUNE NORMAL MONTHLY PRECIPITATION (INCHES)

OUTLOOK FOR JUNE 1999 THROUGH AUGUST 1999
BASED ON SEASONAL OUTLOOK PROVIDED BY THE CLIMATE PREDICTION CENTER

TEMPERATURE: ABOVE NORMAL TEMPERATURE STATEWIDE

**PRECIPITATION: ABOVE NORMAL PRECIPITATION IN EXTREME EAST
NEAR NORMAL PRECIPITATION ELSEWHERE**



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 1999

ALL TIMES ARE CENTRAL STANDARD TIME

OKLAHOMA CITY

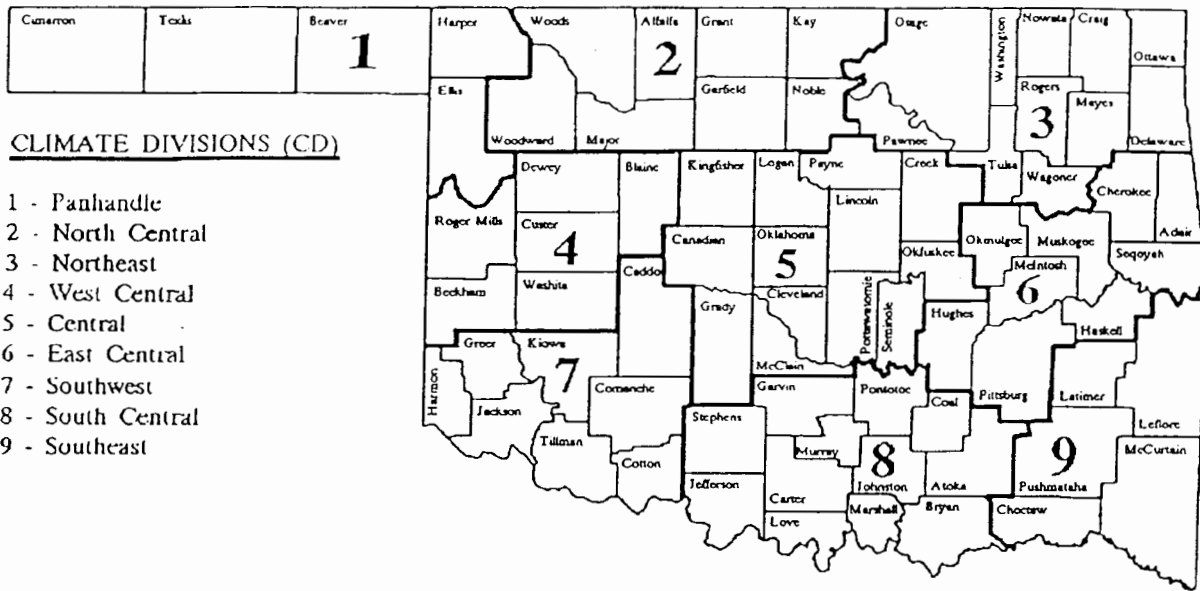
TULSA

DATE	SUNRISE	SUNSET
6/1/99	516	1940
6/2/99	516	1940
6/3/99	516	1941
6/4/99	515	1942
6/5/99	515	1942
6/6/99	515	1943
6/7/99	515	1943
6/8/99	515	1944
6/9/99	514	1944
6/10/99	514	1945
6/11/99	514	1945
6/12/99	514	1946
6/13/99	514	1946
6/14/99	514	1947
6/15/99	514	1947
6/16/99	514	1947
6/17/99	514	1948
6/18/99	515	1948
6/19/99	515	1948
6/20/99	515	1948
6/21/99	515	1949
6/22/99	515	1949
6/23/99	516	1949
6/24/99	516	1949
6/25/99	516	1949
6/26/99	516	1949
6/27/99	517	1949
6/28/99	517	1949
6/29/99	518	1949
6/30/99	518	1949

DATE	SUNRISE	SUNSET
6/1/99	508	1935
6/2/99	508	1936
6/3/99	507	1937
6/4/99	507	1937
6/5/99	507	1938
6/6/99	507	1938
6/7/99	507	1939
6/8/99	506	1939
6/9/99	506	1940
6/10/99	506	1940
6/11/99	506	1941
6/12/99	506	1941
6/13/99	506	1942
6/14/99	506	1942
6/15/99	506	1942
6/16/99	506	1943
6/17/99	506	1943
6/18/99	506	1943
6/19/99	507	1944
6/20/99	507	1944
6/21/99	507	1944
6/22/99	507	1944
6/23/99	507	1944
6/24/99	508	1945
6/25/99	508	1945
6/26/99	508	1945
6/27/99	509	1945
6/28/99	509	1945
6/29/99	509	1945
6/30/99	510	1945

ADD ONE HOUR FOR CENTRAL DAYLIGHT TIME

OKLAHOMA



CLIMATE DIVISIONS (CD)

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

EXPLANATION OF TABLES

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

- Station Name:**
- Station Identification Number:** These are usually assigned by the National Climatic Data Center.
- Climate Division:** See the figure above.
- Number of Temperature Observations:** These are the actual number of temperature reports recorded at the station during the current month. Missing observations may result in artificially high or low mean monthly temperatures.
- Deviation from Normal:** The deviation of the observed mean monthly temperature from the monthly station normal. A positive value indicates the month was warmer than normal. A negative value indicates the month was cooler than normal. Normal monthly temperatures may be calculated by subtracting the deviation from the observed temperature.
- Maximum Daily Maximum:** The maximum daily maximum temperature observed during the current month and year and the day which it occurred.
- Minimum Daily Minimum:** The minimum daily minimum temperature observed during the current month and year and the day which it occurred.
- Heating Degree Days:** HDD are calculated each day of the month for which there is a temperature report and the average temperature for the day is less than 65 degrees. Daily values are summed to arrive at a monthly total. They are a qualitative measure of how much heat was required to maintain a comfortable indoor temperature. Missing observations may result in an artificially high or low value. For February 1984 HDD would be calculated as:

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

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

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

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

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

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

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

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

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

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

OKLAHOMA CITY CLIMATE CALENDAR
 DATA COURTESY OF NATIONAL WEATHER SERVICE NORMAN

JUNE

The data on this calendar is for Oklahoma City.
 Normal values are calculated for the period 1891-1990.
 Temperature extremes are for the period 1891-1997.
 Precipitation extremes are for the period 1891-1997.

Day	Avg. Temp	Avg. High	Record High	Year	Lowest Max	Year	1999	Avg. Low	Highest Min	Year	Record Low	Year	1999	Avg. Ppt.	Greatest Ppt.	Year	1999
1	71.2	80.7	99	1913	58	1903		61.7	75	1943	48			0.25	3.37	1962	
2	71.8	81.5	97	1910	56	1919		62.1	74	1980	46			0.24	1.66	1973	
3	71.7	81.5	96	1953	64	1919		61.9	75	1925	49			0.23	6.75	1932	
4	72.7	82.8	95	1913	62	1928		62.6	75	1911	47			0.21	3.90	1904	
5	73.7	83.8	99	1917	66	1892		63.6	75	1980	48			0.11	1.48	1927	
6	74.6	85.2	102	1911	69	1983		64.0	75	1990	52			0.09	3.01	1941	
7	75.8	86.6	100	1911	66	1891		64.9	78	1980	51			0.11	1.44	1908	
8	76.8	87.2	100	1988	64	1913		66.4	76	1984	52			0.18	2.60	1974	
9	76.1	86.2	100	1933	60	1913		66.0	77	1953	53			0.11	2.56	1995	
10	75.6	86.4	99	1934	68	1955		64.9	76	1953	50			0.17	4.48	1945	
11	76.3	86.6	100	1953	68	1898		66.0	75	1953	51			0.12	1.61	1951	
12	76.7	87.0	104	1953	72	1903		66.3	78	1958	50			0.10	4.74	1944	
13	77.1	87.4	101	1924	70	1927		66.7	78	1958	52			0.15	4.56	1989	
14	77.8	88.5	106	1953	63	1927		67.2	78	1953	51			0.18	3.95	1930	
15	77.1	87.8	105	1953	71	1908		66.5	79	1953	55			0.10	3.01	1930	
16	76.5	86.7	106	1911	70	1961		66.3	77	1953	50			0.18	3.59	1955	
17	77.2	87.9	102	1924	69	1963		66.5	78	1990	53			0.07	1.85	1975	
18	78.3	88.8	101	1936	68	1912		67.8	78	1924	53			0.06	0.93	1957	
19	78.6	89.4	101	1953	70	1920		67.8	80	1953	55			0.09	1.68	1987	
20	78.7	89.8	105	1953	73	1905		67.6	77	1990	51			0.22	2.28	1958	
21	79.1	89.8	104	1953	69	1902		68.4	79	1953	56			0.25	3.28	1948	
22	79.1	90.0	107	1936	73	1912		68.2	79	1936	50			0.16	2.38	1957	
23	78.1	88.3	101	1934	68	1921		67.8	77	1934	58			0.20	2.79	1908	
24	78.3	88.4	104	1911	74	1909		68.3	78	1953	54			0.14	2.06	1948	
25	78.5	88.7	105	1980	68	1967		68.3	82	1911	51			0.21	2.29	1960	
26	78.9	89.5	104	1918	69	1904		68.3	81	1933	50			0.11	1.70	1985	
27	79.7	91.0	103	1994	75	1904		68.3	79	1947	52			0.04	2.19	1907	
28	80.1	91.3	105	1980	78	1923		68.9	78	1986	56			0.14	3.10	1988	
29	80.8	91.8	103	1925	76	1908		69.7	78	1947	54			0.06	2.00	1987	
30	81.1	91.8	102	1925	73	1923		70.4	80	1980	58			0.08	2.33	1981	
MONTH	76.9	87.4	107	1936	56	1919		66.5	82	1911	46			4.36	6.75	1932	

*The most tornadoes reported in June for Oklahoma was 28 in 1995.

TULSA CLIMATE CALENDAR
 DATA COURTESY OF NATIONAL WEATHER SERVICE TULSA

JUNE

The data on this calendar is for Tulsa.
 Normal values are calculated for the period 1961-1990.
 Temperature extremes are for the period 1905-1998.
 Precipitation extremes are for the period 1888-1998.

Day	Avg. Temp	Avg. High	Record High	Year	Lowest Max	Year	1999	Avg. Low	Highest Min	Year	Record Low	Year	1999	Avg. Ppt.	Greatest Ppt.	Year	1999
1	74	84	98	1934	51	1982		64	77	1980	69	1992		0.18	2.83	1962	
2	74	84	102	1911	49	1907		64	76	1980	59	1946		0.17	2.14	1973	
3	75	84	101	1911	52	1946		65	77	1925	58	1970		0.17	2.29	1926	
4	75	85	102	1911	49	1954		65	75	1980	66	1928		0.17	2.87	1985	
5	75	85	102	1911	49	1919		65	78	1980	70	1998		0.17	3.11	1952	
6	75	85	106	1911	50	1998		65	76	1980	73	1998		0.17	2.65	1974	
7	76	86	100	1911	51	1935		66	79	1980	69	1935		0.16	5.80	1919	
8	76	86	104	1911	52	1915		66	79	1984	67	1913		0.16	4.90	1974	
9	76	86	105	1911	56	1996		66	79	1981	60	1913		0.16	4.88	1941	
10	76	86	108	1911	54	1955		66	80	1911	70	1955		0.16	2.10	1904	
11	77	87	100	1924	51	1955		67	80	1911	69	1940		0.16	2.09	1945	
12	77	87	99	1953	50	1913		67	77	1958	73	1985		0.15	1.63	1944	
13	77	87	101	1924	52	1985		67	80	1958	69	1947		0.15	0.94	1927	
14	77	87	107	1911	51	1942		67	78	1991	71	1927		0.15	2.58	1961	
15	78	88	102	1924	52	1933		68	78	1911	74	1961		0.15	2.66	1981	
16	78	88	106	1911	50	1917		68	78	1953	72	1961		0.15	1.26	1943	
17	78	88	102	1925	52	1960		68	79	1932	72	1980		0.15	3.97	1980	
18	78	88	104	1918	54	1912		68	80	1953	70	1912		0.14	1.50	1978	
19	79	89	106	1918	51	1912		69	80	1953	71	1920		0.14	2.00	1905	
20	79	89	107	1918	53	1976		69	82	1998	77	1961		0.14	1.45	1978	
21	79	89	107	1936	54	1961		69	80	1934	73	1992		0.14	4.37	1948	
22	79	89	106	1936	56	1935		69	78	1936	75	1912		0.14	1.67	1985	
23	80	90	103	1934	57	1920		70	81	1925	69	1948		0.13	2.79	1995	
24	80	90	104	1933	55	1974		70	80	1980	72	1921		0.13	5.30	1921	
25	80	90	105	1933	52	1974		70	80	1980	70	1967		0.13	1.98	1967	
26	80	90	105	1918	53	1974		70	80	1998	74	1938		0.13	2.77	1948	
27	80	91	102	1980	53	1968		70	80	1980	77	1928		0.13	2.57	1904	
28	81	91	106	1925	58	1985		71	80	1980	81	1948		0.12	2.75	1977	
29	81	91	105	1925	57	1923		71	80	1980	78	1995		0.12	1.99	1995	
30	81	91	107	1925	57	1943		71	80	1980	76	1951		0.12	2.90	1942	
MONTH	77.7	87.7	108	1911	49	1954		67.7	82	1998	58	1970		4.44	5.80	1919	

*The average number of tornadoes reported in June for Oklahoma is 8.6.