



REVISED OKLAHOMA MONTHLY SUMMARY APRIL 1998

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MONTHLY SUMMARY FOR APRIL 1998

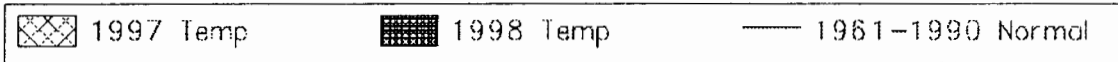
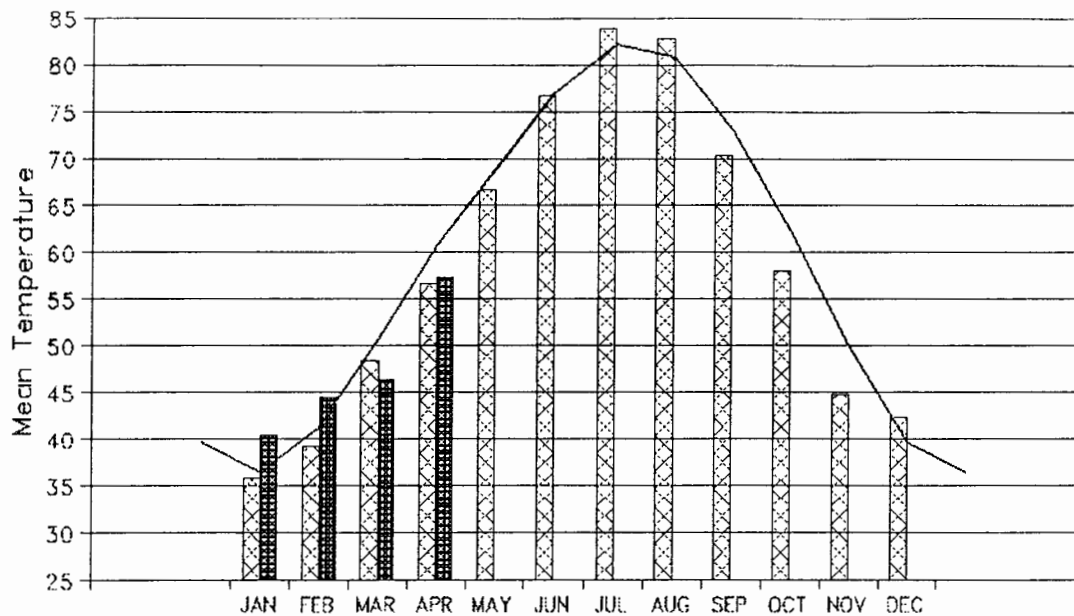
April was generally cool and dry across Oklahoma. According to preliminary data from the National Weather Service, temperatures for the month averaged 3.5 degrees lower than normal (57.2 degrees, averaged statewide, the 13th lowest April temperature since 1892). Despite some locally heavy rainstorms late in the month, the statewide-averaged monthly precipitation of 2.67 inches was 0.42 inch lower than normal, making 1998 the 37th driest April in 107 years of available records. The lack of rainfall was most pronounced in southeastern Oklahoma, where many areas received monthly precipitation that was less than half of normal for the month. The year-to-date statistics show 1998, thus far, to be 0.3 degree cooler than normal (47.1 degree average temperature, 45th lowest) with much greater than normal precipitation (13.15 inches, 4.25 inches greater than normal, 9th wettest January-through-April on record).

Thunderstorms on the 6th produced isolated instances of large hail, wind gusts as great as 69 miles per hour (Butler Mesonet in Custer County) but limited precipitation. The largest precipitation total reported was 1.50 inches at Lamont (Grant). One-inch or greater precipitation was next reported on the 14th. Strong thunderstorms on that date produced large hail and damaging winds. Reported hail stone diameters included: 3 inches south of Ponca City (Kay), 1.75 inches at Ninnekah (Grady), and 1.5 inches near Apache (Caddo). Winds estimated at 80 miles per hour were reported at Cooperton (Kiowa). Lyons (Adair) reported 1.50 inches of rain.

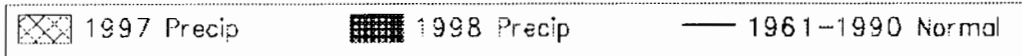
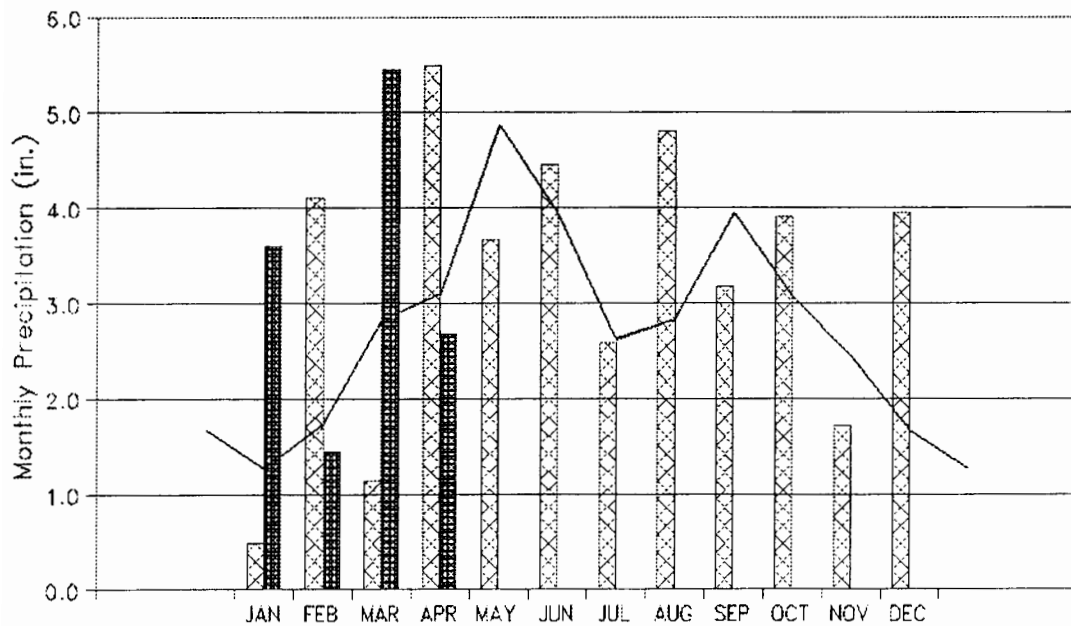
A 10-day period of mild weather culminated with a transition to hot on the 24th when Hollis (Harmon) reported a daily maximum temperature of 96 degrees and Altus (Jackson) and Beaver Mesonet (Beaver) registered 95 degrees each. The warm spell was somewhat short-lived as a storm system that brought heavy rain to much of the northern two-thirds of the state moved through on the 26th. A tornado was reported near Boswell (Choctaw) and wind damage was common across southern Oklahoma. Local flooding was reported in an area bounded by Oklahoma City on the west and Lake Eufaula on the east and extending from Osage County southward to Murray and Pontotoc counties. Pawhuska (Osage) recorded a two-day total precipitation of 6.15 inches reported on the 26th and 27th. Bowlegs Mesonet (Seminole), Bristow (Creek), Mannford (Creek), Maramec (Pawnee), Oilton Mesonet (Creek), Skiatook (Osage/Tulsa), Trousdale (Pottawatomie), Pawnee Mesonet (Pawnee), Burbank (Osage), Wynona (Osage), and Konawa (Seminole) all reported more than 5 inches of rain over a two-day period. Local flooding was also reported in Stillwater (Payne), Hominy (Osage), and near Wewoka (Seminole).

Howard L. Johnson

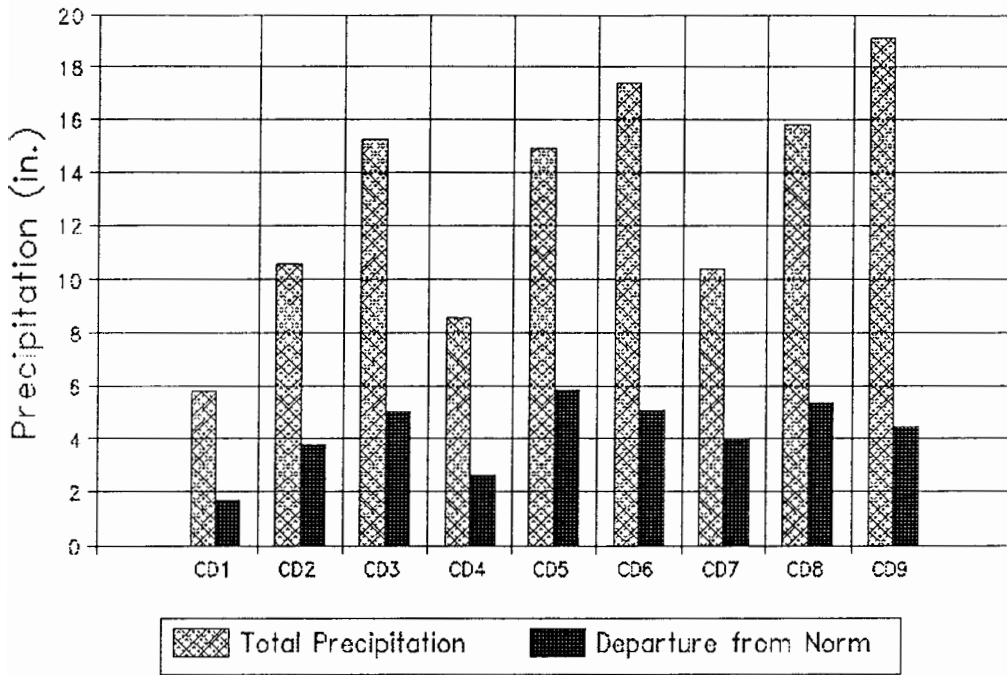
1997 and 1998 STATEWIDE TEMPERATURES Monthly Averages



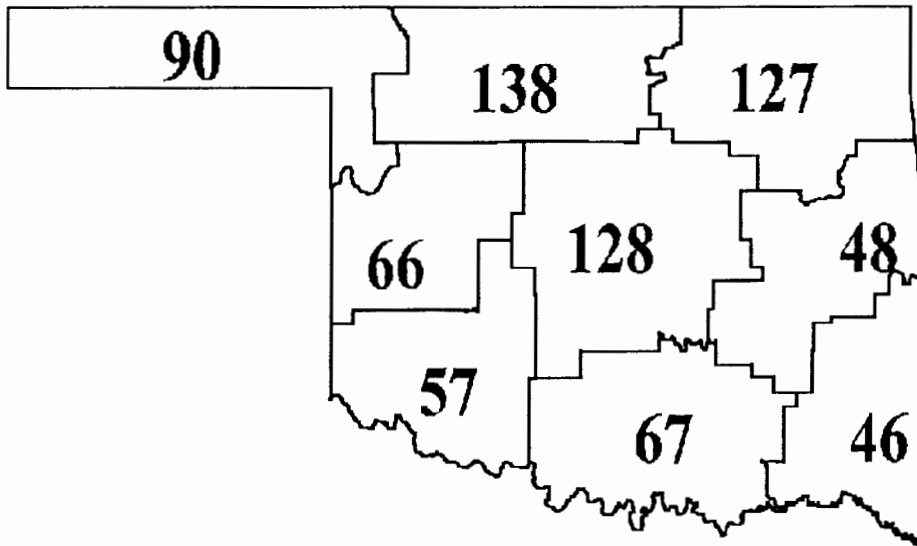
1997 and 1998 STATEWIDE PRECIPITATION Monthly Totals



CD Averaged Precipitation January through April 1998



CD PERCENT OF NORMAL PRECIPITATION APRIL 1998



**EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION
APRIL, 1998**

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	94	25	BEAVER	23	17	KENTON	.94	26	KENTON	2.54	FARGO
2	90	26	BLACKWELL	26	17	FREEDOM	2.17	27	MORRISON	4.73	RED ROCK
	90	25	JEFFERSON	26	18	FREEDOM					
				26	19	FREEDOM					
3	89	22	MIAMI	31	1	BIXBY	5.05	27	CLEVELAND	7.24	CLEVELAND
4	92	25	ERICK	28	4	HAMMON	1.50	27	WATONGA	2.62	VICI
				28	5	HAMMON					
				28	4	REYDON					
5	91	26	KINGFISHER	29	10	PURCELL	5.73	27	BRISTOW	6.80	TROUSDALE
6	87	25	TAHLEQUAH	32	5	STILWELL	2.26	27	WETUMKA	4.54	STILWELL
7	96	24	HOLLIS	31	4	ALTUS DAM	2.00	27	WALTERS	3.19	WALTERS
				31	4	HOBART					
8	86	15	MCGEE CREEK	32	4	MARLOW	3.77	27	ELMORE CITY	4.54	MARLOW
	86	14	WAURIKA								
	86	24	WAURIKA								
	86	25	WAURIKA								
9	85	14	BEAR MT	28	1	SMITHVILLE	2.02	26	WILBURTON	3.05	BENGAL
	85	14	BOSWELL								
	85	12	HUGO								
	85	14	IDABEL								
	85	13	POTEAU								

TABLE OF 1997/1998 COMPARISONS

**JUNE
Temperature (°F)**

**JUNE
Precipitation (in.)**

Station	1997	1998	1997	1998
Arnett	49.7	52.8	6.62	2.06
Enid	50.3	53.5	5.97	2.22
Tulsa	55.9	57.8	4.09	4.55
Elk City	52.8	56.0	11.00	0.92
Oklahoma City	54.7	57.4	4.42	3.34
McAlester	57.6	59.2	1.41	0.83
Altus Irr Station	56.1	58.4	7.38	0.31
Ardmore	60.5	61.8	5.43	1.23
Idabel	56.7	59.5	8.22	1.94

EXTREMES

VARIABLE	STATION	DIVISON	OBSERVATION	DATE
Minimum temperature (°F)	Kenton	1	23	17
Maximum temperature (°F)	Hollis	7	96	24
Maximum 24-hour Precipitation	Bristow	5	5.73	27

APRIL 1998 SUMMARY FOR PANHANDLE 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	52.8	30	-4.3	84	25	28	5	371	111	4.5	-18.5	2.063	30	0.28	0.52	28
BEAVER	593	1	52.5	30	-3.3	94	25	27	18	386	92	10.5	-7.5	1.4	30	-0.15	0.57	28
BOISE CITY	908	1	50.3	30	-4.9	87	24	25	17	441.5	135.5	2	-10	0.885	30	-0.29	0.85	26
BUFFALO	1243	1	56.4	30	-3.3	87	24	28	4	273.5	65.5	14.5	-34.5	1.12	30	-1.23	0.5	7
FARGO	3070	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.541	30	0.53	0.74	7
GAGE	3407	1	54.5	30	-4.2	89	24	24	4	333	112	17.5	-14.5	0.814	28	*****	0.37	7
GATE	3489	1	53.9	29	-3.3	88	25	29	4	331	67	9.5	-20.5	1.52	29	*****	0.64	28
HOOKER	4298	1	54.3	15	*****	92	24	28	17	170	*****	9.5	*****	0.77	15	*****	0.22	20
KENTON	4766	1	50.2	30	-3.2	87	24	23	17	443.5	87.5	0.5	-7.5	1.118	30	-0.09	0.94	26
LAVERNE	5045	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.752	30	0.13	0.57	6
RANGE	7412	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.014	30	*****	0.35	28
REGNIER	7534	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.301	30	0.21	0.79	26

APRIL 1998 SUMMARY FOR NORTH CENTRAL 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	56.4	30	*****	89	15	31	4	281	*****	22	*****	2.03	30	*****	0.91	28
VANCE AFB	302	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.232	30	*****	1.42	27
BILLINGS	755	2	54.2	30	-3.9	89	26	32	18	336	100	12	-17	4.691	30	1.6	1.55	27
BLACKWELL 2E	818	2	55.2	30	-3.5	90	26	36	18	312.5	94.5	17	-12	3.892	30	0.92	1.19	27
BRAMAN	1075	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.021	30	*****	1.55	27
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.84	30	*****	0.81	7
CHEROKEE	1724	2	54.6	25	*****	86	25	30	4	268.5	*****	9	*****	2.651	25	*****	0.9	28
ENID	2912	2	55.1	30	-5.4	88	26	36	18	310	133	13.5	-28.5	3.961	30	1.09	1.17	27
FT SUPPLY	3304	2	53.9	26	*****	86	24	27	1	295	*****	6.5	*****	2.18	30	0.44	0.77	6
FREEDOM	3358	2	54.3	17	*****	87	15	26	19	186	*****	3.5	*****	1.94	20	*****	0.9	29
GREAT SALT P	3740	2	56.5	30	-1.9	86	26	35	18	267	37	12	-20	2.901	30	0.24	1.07	28
HARDY	3909	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.49	30	*****	1.4	26
HELENA	4019	2	58.1	29	1	88	26	35	18	218	-40	18	-3	3.412	30	0.93	0.95	28
JEFFERSON	4573	2	57.7	29	-2	90	25	32	18	235.5	35.5	25	-16	3.62	29	*****	1.37	27
LAMONT	5013	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.31	30	*****	1.5	7
MEDFORD	5768	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.6	30	*****	1.29	27
MORRISON	6065	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.66	30	*****	2.17	27
MUTUAL	6139	2	53.5	30	-3.6	87	15	28	4	356	93	10	-16	2.22	30	-0.21	0.55	7
NEWKIRK	6278	2	53.5	30	-6.1	88	26	31	18	359	158	14.5	-24.5	4.26	30	1.17	1.34	27
ORIENTA	6751	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.51	30	0.9	1.27	26
PERRY	7012	2	56.5	30	-4.9	87	26	36	18	278	117	24.5	-28.5	4.4	30	1.7	2.04	27
PONCA CITY	7201	2	56.6	30	-2.5	88	25	33	23	276.5	64.5	24.5	-10.5	4.451	30	1.63	1.37	27
RED ROCK	7505	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.73	30	1.97	1.82	27
WAYNOKA	9404	2	56.1	28	*****	89	26	31	3	260	*****	11	*****	2.34	30	0.25	0.91	27
WOODWARD	9760	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.641	30	-0.41	0.35	7

APRIL 1998 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT		DEV		TOT PPT	NUM OBS	DEV		24-HR	DAY
					FROM NORM	MAX TEMP			DEG DAY	FROM NORM	DEG DAY	FROM NORM			MAX			
BARNSDALL	535	3	57.6	30	-3.5	85	25	33	5	251.5	88.5	28.5	-17.5	4.465	30	1.12	2.37	27
BARTLESVILLE	548	3	58.4	30	-2.9	87	25	35	5	231.5	70.5	33.5	-16.5	3.942	30	0.55	2.38	27
BIXBY	782	3	56.1	30	-3.3	87	14	31	1	268.5	78.5	0.5	-21.5	3.82	30	0.29	3	26
BURBANK	1256	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.15	30	3.39	2.55	26
CHELSEA	1717	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.77	30	*****	2.02	27
CLAREMORE	1828	3	55.2	29	-3.8	82	15	35	5	291.5	89.5	6	-16	3.14	30	-0.41	2.1	27
CLEVELAND 2	1902	3	56	30	*****	83	25	36	17	276	*****	7	*****	7.24	30	*****	5.05	27
FORAKER	3250	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.78	30	1.66	1.95	27
HOLLOW	4258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.272	30	-0.35	1.8	27
HOMINY	4289	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.265	30	3.19	4.24	27
KANSAS	4672	3	57.8	30	-2.7	80	14	34	5	227.5	56.5	12.5	-23.5	2.695	30	-1.59	1.35	27
LENAPAH	5118	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.16	30	*****	1.74	27
MIAMI	5855	3	61.2	30	2.5	89	22	35	5	162	-46	46.5	27.5	1.8	30	-2.23	0.95	27
MANNFORD	5522	3	57.5	30	-4.5	85	25	33	28	240	92	16	-42	6.12	30	2.83	4.46	27
MARAMEC	5540	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.381	30	3.33	4.84	27
PAWHUSKA	6935	3	58.3	30	-2.3	86	25	35	23	232	56	30.5	-13.5	6.78	30	3.44	3.2	27
PAWNEE	6940	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.58	30	2.47	4	27
PRYOR	7309	3	55.8	30	-3	83	15	36	22	286	73	10	-17	2.332	30	-1.58	1.12	27
RALSTON	7390	3	58.3	30	-2.6	86	25	35	17	236.5	66.5	36	-11	5.44	30	2.28	3.1	27
SKIATOOK	8258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.02	30	2.57	4.71	27
SPAVINAW	8380	3	59.2	30	-2.4	82	15	36	22	205	55	30.5	-17.5	2.3	30	-1.69	1.13	27
TULSA	8992	3	57.8	30	-3.7	84	14	36	5	232.5	81.5	15.5	-30.5	4.546	30	0.83	2.33	27
UPPER SPAV	9101	3	57.8	30	*****	84	14	33	5	246	*****	28.5	*****	2.442	30	*****	1.24	27
VINITA	9203	3	56.9	30	-2.6	82	14	34	5	260	66	16	-13	4.19	30	0.36	2.55	27
WAGONER	9247	3	59.4	30	-2.4	82	15	36	19	191.5	53.5	23	-19	3.49	30	-0.77	1.84	26
WANN	9298	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.511	30	*****	2.31	27
WYNONA	9792	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.643	30	*****	3.09	27

APRIL 1998 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT		DEV		TOT PPT	NUM OBS	DEV		24-HR	DAY
					FROM NORM	MAX TEMP			DEG DAY	FROM NORM	DEG DAY	FROM NORM			MAX			
CANTON DAM	1445	4	54.7	30	-3.5	88	26	31	4	322.5	85.5	14.5	-18.5	2.221	30	-0.07	0.98	27
CLINTON	1909	4	57.4	30	-3.6	89	25	30	4	252.5	81.5	24	-27	1.801	30	-0.51	1.15	27
COLONY	2039	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.8	30	*****	1.34	27
CORDELL	2125	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.851	30	-1.18	0.59	27
ELK CITY	2849	4	56	30	-4.3	89	26	31	4	285	107	16.5	-20.5	0.92	30	-1.14	0.46	27
ERICK	2944	4	56	29	-4.2	92	25	30	4	282.5	101.5	21	-16	0.951	30	-1.09	0.55	27
GEARY	3497	4	58.6	28	*****	89	25	41	4	190.5	*****	11	*****	1.27	28	*****	0.99	27
HAMMON	3871	4	53.9	30	-4.6	88	26	28	5	350.5	120.5	18.5	-16.5	1.271	30	-0.69	0.68	27
LEEDEY	5090	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.24	30	-1	0.72	27
MACKIE	5463	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.95	30	*****	0.46	27
MORAVIA	6035	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.9	30	-1.11	0.63	27
OKEENE	6629	4	56.7	30	-4.2	90	25	32	4	267	95	19	-30	2.4	30	0.02	0.9	27
RETROP	7565	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.76	30	*****	0.45	27
REYDON	7579	4	55.1	22	*****	91	25	28	4	230	*****	12.5	*****	1.192	22	*****	0.83	27
SAYRE	7952	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.781	30	-1.14	0.33	26
SWEETWATER	8652	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.363	30	*****	0.36	27
TALOGA	8708	4	54.7	30	-4.4	88	26	30	17	326.5	117.5	17.5	-14.5	1.54	30	-0.82	0.57	27
THOMAS	8815	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.19	30	*****	1.02	27
VICI	9172	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.622	30	0.15	0.66	25
WATONGA	9364	4	56.7	30	-3.3	89	25	31	4	271	82	22.5	-16.5	2.481	30	0.08	1.5	27
WEATHERFORD	9422	4	55	29	-3.7	84	24	33	4	297	80	6.5	-21.5	1.54	29	*****	0.93	26

APRIL 1998 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV			MIN TEMP	DAY	HEAT			DEV			TOT PPT	NUM OBS	DEV		DAY
					FROM NORM	MAX TEMP	DAY			DEG DAY	FROM NORM	DEG DAY	FROM NORM	FROM NORM	FROM NORM			MAX 24-HR		
AMBER	200	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.34	30	*****	1.7	27		
ARCADIA	288	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.84	30	*****	2.6	25		
BLANCHARD	830	5	59.2	30	-3	85	25	37	5	201.5	60.5	28.5	-28.5	2.461	30	-0.65	1.88	27		
BRISTOW	1144	5	59.2	30	-3	84	25	35	5	203	59	29.5	-30.5	6.284	30	2.95	5.73	27		
CHANDLER	1684	5	57	30	-5.1	85	26	36	24	264.5	123.5	23.5	-30.5	3.66	30	0.47	3.34	27		
CHICKASHA EX	P 1750	5	59.4	30	-3.1	86	25	36	17	196.5	61.5	29.5	-30.5	3.69	30	0.94	2.54	27		
COX CITY	2196	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.28	30	*****	4.12	27		
CRESCENT	2242	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.31	30	*****	2	27		
CUSHING	2318	5	56.9	29	-3.2	84	26	38	5	253	73	17	-16	4.6	29	*****	4.2	27		
EDMOND	2788	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.681	30	*****	3.28	26		
EL RENO	2818	5	56.8	30	-3.8	87	26	38	18	268	91	23	-22	1.89	30	-0.68	1.3	27		
GUTHRIE	3821	5	54.4	26	*****	87	24	30	17	285	*****	10	*****	3.904	30	1.24	3.3	27		
HENNESSEY	4055	5	56.1	30	-4.1	88	25	32	23	281	94	14	-29	3.172	30	0.48	1.82	27		
INGALLS	4489	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.5	30	*****	4.1	27		
KINGFISHER	4861	5	55.6	30	-5.5	91	26	33	17	301	127	19.5	-37.5	3.05	30	0.44	2.15	27		
KONAWA	4915	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.43	30	2.35	5	26		
MARSHALL	5589	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.43	30	0.87	1.69	27		
MEEKER	5779	5	55.7	29	-5.9	83	26	35	18	285.5	127.5	14.5	-41.5	2.871	29	*****	2.63	27		
MULHALL	6110	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.76	30	*****	2.26	27		
NORMAN NWS	6386	5	57.1	30	-5.4	83	25	37	17	256	128	19	-34	3.58	30	0.35	2.69	26		
OKEMAH	6638	5	60.8	30	-1.1	83	14	39	5	154	17	27.5	-16.5	4.422	30	0.5	3.95	27		
OKLAHOMA CTY	F.6659	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.621	30	*****	2.93	27		
OKLAHOMA CTY	6661	5	57.4	30	-3	84	25	37	1	244	68	15	-23	3.343	30	0.57	2.77	26		
PERKINS	7003	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.99	30	2.07	4.52	27		
PIEDMONT	7068	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.82	30	*****	3.12	27		
PRAGUE	7264	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.212	30	0.51	3.76	27		
PURCELL	7327	5	55.4	30	-7	83	26	29	10	298.5	166.5	11.5	-42.5	5.05	30	1.44	3.25	27		
SEMINOLE	8042	5	57.6	30	-6	84	14	38	23	235	129	14	-50	5.5	30	1.68	4.8	26		
SHAWNEE	8110	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.67	30	0.69	3.98	27		
STELLA	8479	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.561	30	*****	2.86	27		
STILLWATER	8501	5	56.5	30	-2.8	86	26	33	17	275.5	71.5	21.5	-11.5	5.222	30	2.3	3.9	27		
TROUD	8563	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.614	30	*****	4.23	27		
TROUSDALE	8960	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.8	30	*****	5.2	27		
UNION CITY	9086	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.924	30	-0.94	1.58	27		
WELTY	9479	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.32	30	*****	4.7	27		
WEWOKA	9575	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.4	30	1.69	4.46	27		

APRIL 1998 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV			MIN TEMP	DAY	HEAT			DEV			TOT PPT	NUM OBS	DEV		DAY
					FROM NORM	MAX TEMP	DAY			DEG DAY	FROM NORM	DEG DAY	FROM NORM	FROM NORM	FROM NORM			MAX 24-HR		
ASHLAND	364	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.872	30	*****	0.47	27		
BEGGS	631	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.61	30	*****	2.2	27		
CALVIN	1391	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.32	30	-2.88	1.32	27		
CHECOTAH	1711	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.26	30	-1.86	1.48	27		
CLAYTON	1858	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.31	30	*****	0.73	27		
DEWAR	2485	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.883	30	-2.14	1.4	27		
DUSTIN	2690	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.942	30	*****	1.36	27		
EUFULA	2993	6	61.4	29	-1.9	84	14	38	5	135.5	19.5	30.5	-34.5	1.7	29	*****	0.75	7		
HANNA	3884	6	59.5	30	-2.9	83	14	35	5	192	66	28.5	-19.5	2.193	30	-1.9	1.18	27		
HASKELL	3956	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.21	30	-1.44	1.38	28		
LAKE EUFAULA	4975	6	58.2	28	*****	86	15	38	5	205	*****	14.5	*****	2.19	28	*****	0.95	27		
LYONS	5437	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.52	30	-1.25	1.55	16		
MARBLE CITY	5546	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.71	30	*****	1.99	27		
MCALESTER	5664	6	59.2	30	-2.7	83	14	38	23	193	51	19.5	-29.5	0.825	30	-3.27	0.43	26		
MCCURTAIN	5693	6	61.8	30	-1.2	85	14	38	11	128	14	31	-23	3.101	30	-1.44	2.22	27		
MUSKOGEE	6130	6	59	30	-3	83	25	36	21	209.5	77.5	29	-13	1.481	30	-2.6	0.92	26		
OKMULGEE	6670	6	57.2	30	-3	85	15	35	5	248	76	14	-14	1.86	30	-2.33	1.39	27		
OKTAHA	6678	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.41	30	*****	0.98	27		
SALLISAW	7862	6	58.6	30	-3.7	83	15	40	23	213.5	82.5	20.5	-29.5	2.7	30	-1.69	2.01	27		
SCIPHO	7979	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.66	30	*****	0.73	27		
SHORT	8170	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.24	30	*****	1.62	27		
STILWELL	8506	6	55	30	-5.3	80	15	32	5	308	133	7.5	-26.5	4.541	30	0.04	1.3	27		
TAHLEQUAH	8677	6	58.3	30	-2.8	87	25	35	1	230.5	68.5	29.5	-15.5	1.733	30	-2.43	0.88	27		
WEBBERS FALL	9445	6	57.9	29	-2.4	83	26	37	23	218	44	11	-22	1.901	30	-2.3	1.1	27		
WESTVILLE	9523	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.66	30	*****	0.78	7		
WETUMKA	9571	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.863	30	-1.38	2.26	27		

APRIL 1998 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV			MIN TEMP	DAY	HEAT			COOL			TOT PPT	NUM OBS	DEV		DAY
					FROM NORM	MAX TEMP	DAY			DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM			MAX	24-HR	
ALTUS	179	7	58.4	30	-4.9	95	24	33	4	219.5	96.5	21	-51	0.31	30	-1.61	0.16	26		
ALTUS DAM	184	7	58.6	30	-2.8	92	26	31	4	235	79	42	-6	0.52	30	-1.39	0.27	27		
ANADARKO	224	7	55.4	29	-6.1	85	26	33	10	298	143	20	-30	1.91	30	-0.55	0.86	27		
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.173	29	*****	0.17	21		
APACHE	260	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.7	30	-0.9	0.65	27		
CARNEGIE	1504	7	56.5	30	-5.1	89	25	32	3	275.5	121.5	20	-32	1.6	30	-0.76	1.08	26		
CHATTANOOGA	1706	7	58	29	-4.7	92	26	33	5	226.5	91.5	22.5	-43.5	1.79	29	*****	0.97	27		
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.3	30	*****	1.92	27		
FREDERICK	3353	7	58.3	30	-4	91	26	37	4	216	80	14	-41	0.69	30	-1.61	0.35	6		
HEADRICK	3998	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.6	30	*****	0.41	27		
HOBART	4204	7	56.6	30	-4.8	89	25	31	4	271	108	20	-35	0.742	30	-1.32	0.32	27		
HOLLIS	4249	7	58.5	30	-4.4	96	24	33	4	220.5	89.5	27	-41	0.39	30	-1.59	0.25	27		
LAWTON	5063	7	59	29	-2.9	89	26	37	4	203.5	64.5	29.5	-16.5	1.62	30	-0.81	0.85	7		
LOOKEBA	5329	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.02	30	-0.44	1.45	27		
MANGUM	5509	7	57.3	30	-5.6	93	25	32	5	262.5	131.5	32	-36	0.732	30	-1.06	0.3	27		
RANDLETT	7403	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.481	30	*****	1.87	27		
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.65	30	-1.71	0.27	21		
SEDAN	8016	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.862	30	*****	1.06	15		
SNYDER	8299	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.64	30	-1.61	0.31	21		
VINSON	9212	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.05	30	-0.63	0.87	27		
WALTERS	9278	7	58.4	30	-5.1	86	26	36	5	218	97	19	-57	3.19	30	0.31	2	27		
WICHITA MT	9629	7	56.7	28	*****	89	26	32	4	245	*****	12.5	*****	0.96	29	*****	0.43	21		
WILLOW	9668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.91	30	*****	0.55	27		

APRIL 1998 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV			MIN TEMP	DAY	HEAT			COOL			TOT PPT	NUM OBS	DEV		DAY
					FROM NORM	MAX TEMP	DAY			DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM			MAX	24-HR	
ADA	17	8	58.8	30	-3.6	82	14	38	17	198.5	66.5	12.5	-41.5	4.1	30	0.61	3.12	27		
ALLEN	147	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.1	30	*****	1.7	27		
ARDMORE	292	8	61.8	30	-3	84	16	41	5	136.5	40.5	41	-49	1.23	30	-2.3	0.94	27		
ATOKA DAM	394	8	58.3	21	*****	84	15	37	9	145.5	*****	5.5	*****	1.41	22	*****	0.82	27		
BOKCHITO	917	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.06	30	*****	0.9	27		
CANEY	1437	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.13	30	*****	1.06	27		
CENTRAHOMA	1648	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.15	30	*****	0.85	27		
CHICKASAW	1745	8	58.7	28	*****	83	15	37	21	204.5	*****	27	*****	2.35	28	*****	1.98	27		
COLEMAN	2011	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.2	30	*****	0.85	27		
COMANCHE	2054	8	60.1	30	*****	84	25	36	3	180.5	*****	34.5	*****	4.02	30	1.04	3.43	26		
DAISY	2354	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.53	30	-3.52	1.01	27		
DUNCAN	2660	8	58.6	30	-3.9	85	26	34	4	214	87	21.5	-30.5	3.41	30	0.42	2.73	27		
DURANT	2678	8	59.9	28	*****	84	15	41	21	162.5	*****	21	*****	2.02	28	*****	1.03	27		
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.15	30	*****	3.77	27		
GRADY	3688	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.75	30	*****	1.42	26		
HEALDTON	4001	8	58.5	30	-4.7	84	26	37	4	215	96	19	-46	2.06	30	-1.38	1.69	27		
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.751	30	*****	3.2	27		
KETCHUM RAN	4780	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.57	30	*****	2.7	26		
KINGSTON	4865	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.661	30	-2.22	1.27	27		
LEHIGH	5108	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.501	30	*****	0.9	27		
LINDSAY	5216	8	56.5	30	-5.9	83	25	35	4	270.5	133.5	15	-44	4.11	30	0.76	2.87	26		
LOCO	5247	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.28	30	*****	2.8	27		
MARIETTA	5563	8	58.4	30	-5.2	82	26	37	23	219	116	22	-39	1.53	30	-2.08	1.11	27		
MARLOW	5581	8	59.3	30	-3	85	25	32	4	204.5	71.5	33	-19	4.541	30	1.62	3.37	27		
MCGEE CREEK	5713	8	60.1	29	*****	86	15	40	21	159	*****	16	*****	1.49	29	*****	0.69	27		
PAULS VALLEY	6926	8	57.1	30	-6.1	84	26	35	17	250.5	128.5	13	-55	1.03	30	-2.42	0.37	27		
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.941	30	-1.88	1.57	26		
TISHOMINGO	8884	8	59.7	30	-3.7	85	15	36	23	182	72	23.5	-38.5	1.69	30	-2.51	1.35	26		
WAURIKA	9395	8	59.8	30	-4.3	86	25	36	4	183.5	73.5	27	-56	2.63	30	-0.31	2	27		

APRIL 1998 SUMMARY FOR SOUTHEAST DIVISION (CD9)

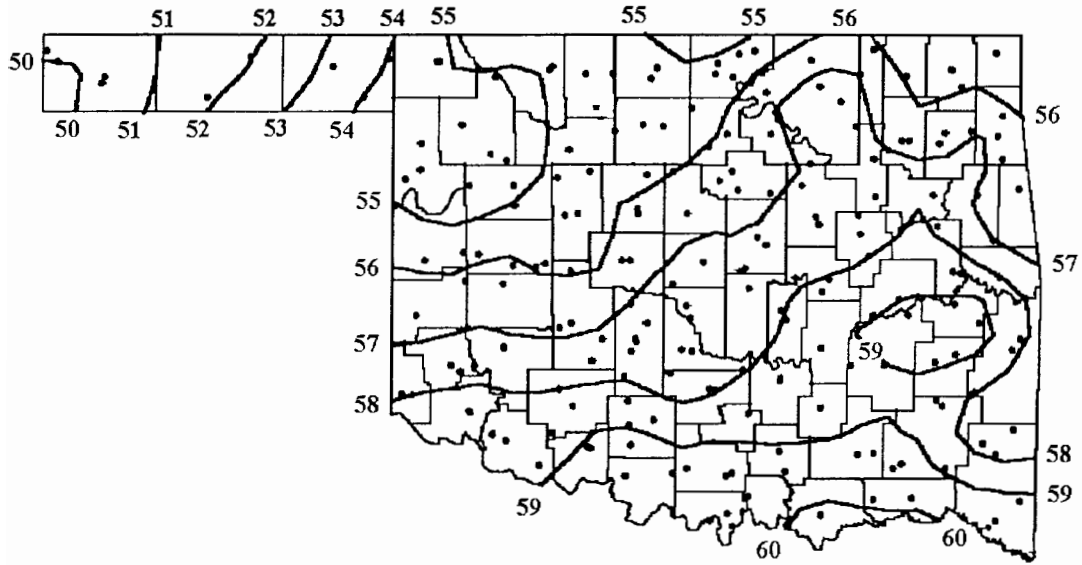
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	60.8	30	-2.2	84	14	30	11	163.5	54.5	36	-10	1.12	30	-3.2	0.62	26
BATTIEST	567	9	56.5	30	*****	84	14	35	23	257.5	*****	3	*****	2.12	30	*****	1.1	27
BEAR MT	584	9	59.6	24	*****	85	14	37	17	150	*****	19.5	*****	2.35	30	-2.26	1.08	27
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.05	30	*****	1.97	27
BOSWELL	980	9	59.6	30	-3.2	85	14	40	24	181.5	66.5	19	-30	2.23	30	-1.67	0.8	16
BROKEN BOW	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.75	31	-2.76	1.08	27
BROKEN BOW D	1168	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.99	31	-2.66	1.1	27
CARNASAW	1499	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.621	31	-3.27	1.02	26
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.4	31	-2.28	1.68	27
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.95	30	-2.66	1.09	27
HEAVENER	4008	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.82	30	-2.65	0.98	26
HUGO	4384	9	60.6	28	*****	85	12	40	27	143	*****	21	*****	1.95	29	*****	1.1	25
IDABEL	4451	9	59.5	30	-2.5	85	14	37	18	181	50	17	-24	1.94	30	-2.48	1.15	27
PAGE	6842	9	55.6	23	*****	82	14	33	22	220	*****	4	*****	1.741	23	*****	1.01	27
POTEAU	7254	9	58	30	*****	85	13	34	4	223.5	*****	12	*****	1.89	30	*****	0.92	26
SMITHVILLE	8285	9	56.8	30	-3.8	83	14	28	1	254.5	96.5	7	-19	2.151	30	-2.59	1.35	27
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.57	30	-2.79	0.67	27
TUSKAHOMA	9023	9	57.6	30	-5.3	85	13	33	22	232.5	113.5	11.5	-44.5	2.73	30	-1.99	2	27
VALLIANT	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.63	30	-2.71	0.85	27
WILBURTON	9634	9	59.8	30	-2.2	83	14	36	23	187.5	48.5	31.5	-17.5	2.642	30	-2.06	2.02	26

APRIL 1998 CLIMATE DIVISION SUMMARY

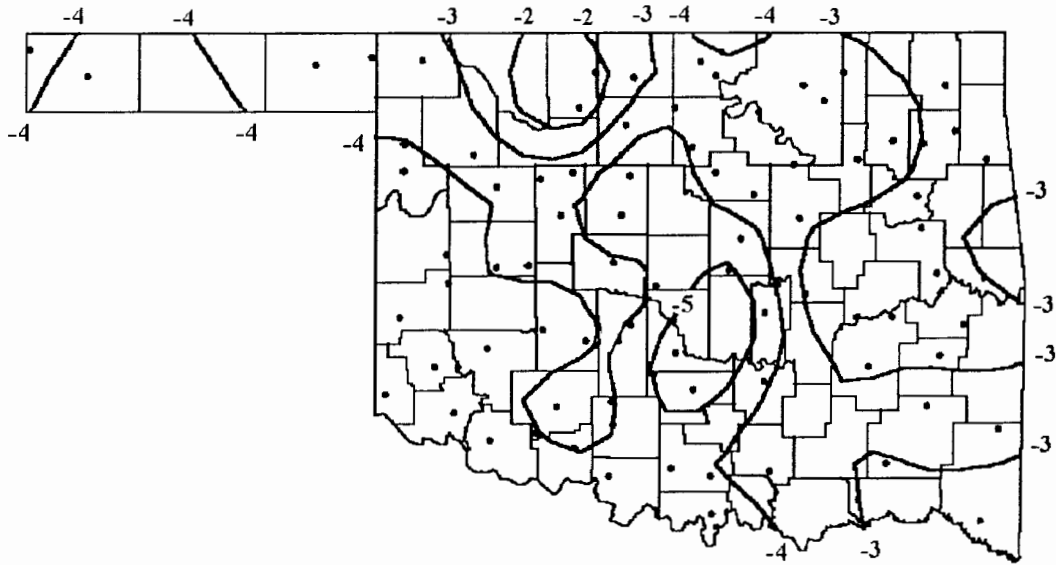
CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
1	52.9	7	-3	7 9	4	25 2	3	17	368	5 95.3	8.4	-15.4	1.47	9 -1.6	0.9	4 26
2	55.8	11	-3	4 9	0	25 2	6	19	293	6 80.6	17.5	-18.7	3.54	22 .97	2.1	7 27
3	57.7	16	-2	8 8	9	22 3	1	1	239	9 65.9	21.3	-17	4.45	27 .94	5	5 27
4	55.7	9	-4	1 9	2	25 2	8	4	294	9 99.2	17.8	-21.8	1.45	18 -.74	1.5	0 27
5	57.4	15	-4	2 9	1	26 2	9	10	247	8 95.0	20.5	-29.4	4.11	34 .91	5.7	3 27
6	58.8	10	-2	9 8	7	25 3	2	5	207	6 63.2	22.1	-22.7	2.12	24 -2.09	2.2	6 27
7	57.7	11	-4	4 9	6	24 3	1	4	240	5 97.1	24.3	-33.3	1.3	20 -.98	2	0 27
8	59.1	12	-3	8 8	6	25 3	2	4	201	1 76.9	23.2	-37.8	2.44	25 -1.20	3.7	7 27
9	58.6	8	-3	9 8	5	13 2	8	1	210	2 87.1	17.1	-29.3	2.05	18 -2.45	2	2 26

MESONET MONTHLY SUMMARY FOR APRIL 1998

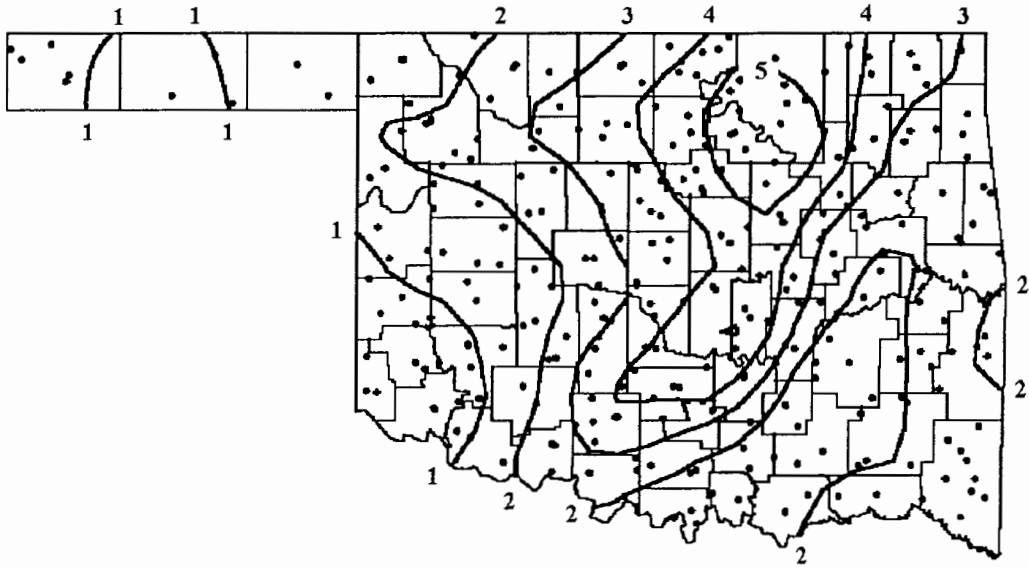
NAME	MEAN MAX			MIN			TOT MAX			NAME	MEAN MAX			MIN			TOT MAX				
	TEMP	TEMP	DAY	TEMP	DAY	HDD	CDD	PPT	24-HR		DAY	TEMP	TEMP	DAY	TEMP	DAY	HDD	CDD	PPT	24-HR	DAY
PANHANDLE																					
Arnett	55.2	88	24	27	4	311	17	1.71	.36	6	Goodwell	52.1	90	24	26	4	392	5	.81	.23	15
Beaver	53.9	95	24	25	4	349	15	1.34	.54	7	Hooker	51.6	92	24	26	17	406	3	.96	.27	27
Boise City	49.5	87	24	23	17	465	1	1.18	.50	26	Kenton	49.5	87	24	23	17	466	1	1.39	.98	26
Buffalo	54.3	88	24	28	4	335	14	1.56	.51	6	Slapout	54.2	94	24	26	4	340	15	1.51	.51	27
NORTH CENTRAL																					
Alva	54.1	82	14	30	4	334	7	2.64	1.10	27	May Ranch	*****	***	***	***	***	*****	***	1.89	.72	27
Blackwell	55.8	91	2	35	17	291	16	3.94	1.89	27	Medford	54.5	86	25	33	1	327	11	2.90	1.42	27
Breckenridge	54.8	89	25	32	17	319	14	3.67	1.59	27	Newkirk	55.7	86	25	35	5	293	13	4.50	2.33	27
Cherokee	54.5	84	25	30	4	325	12	2.53	1.17	27	Red Rock	56.1	87	25	34	5	281	15	4.74	1.99	26
Fairview	55.0	87	25	30	4	314	12	3.44	1.23	26	Seiling	54.8	85	14	30	4	322	16	2.96	1.25	26
Freedom	54.7	84	24	27	4	324	14	2.09	.80	27	Woodward	54.8	85	14	27	4	325	19	1.81	.36	6
Lahoma	54.6	86	25	31	1	322	10	3.51	1.11	26											
NORTHEAST																					
Bixby	57.2	83	14	36	5	244	11	3.33	1.73	27	Nowata	55.1	82	25	35	5	306	8	4.44	2.07	26
Burbank	56.2	87	25	35	17	280	16	5.72	2.45	26	Pawnee	56.4	86	25	36	1	275	17	5.67	2.69	26
Catoosa	57.2	82	25	37	5	245	12	3.30	1.98	27	Pryor	55.5	82	14	34	5	296	10	1.90	.83	26
Claremore	56.6	83	25	35	1	263	11	*****	*****	***	Skiatook	57.0	82	14	38	5	255	15	6.10	2.90	27
Copan	56.0	85	25	35	5	279	10	*****	*****	***	Tulahassee	*****	***	***	***	***	*****	***	*****	*****	***
Foraker	56.2	86	25	34	1	279	14	4.12	2.22	27	Vinita	55.3	83	14	34	5	298	7	3.13	1.44	26
Jay	55.3	82	14	31	5	299	8	2.30	.93	27	Wynona	*****	***	***	***	***	*****	***	*****	*****	***
Miami	55.5	83	14	34	5	293	8	2.96	1.52	27											
WEST CENTRAL																					
Bessie	56.9	89	25	31	4	263	20	1.22	.68	26	Putnam	55.0	88	25	30	4	319	18	1.31	.69	27
Butler	56.3	89	25	30	4	283	24	1.68	.63	26	Retrop	57.3	89	14	31	4	261	30	.77	.38	26
Camargo	54.3	87	25	29	1	337	17	1.70	.47	6	Watonga	55.5	88	25	31	4	301	16	2.32	1.07	27
Cheyenne	56.4	87	24	30	4	280	22	1.68	.96	27	Weatherford	55.0	86	25	30	4	312	13	1.58	.80	26
Erick	56.1	94	24	29	4	293	27	.94	.61	26											
CENTRAL																					
Acme	57.7	85	25	33	17	245	26	3.91	2.99	26	Minco	56.6	83	25	35	17	264	13	2.36	1.77	26
Bowlegs	57.4	83	14	36	5	240	11	6.54	5.77	26	Ninnekah	57.3	84	25	36	5	251	18	3.40	3.37	26
Bristow	56.4	82	25	35	23	267	9	5.40	3.37	26	Norman	57.6	84	25	37	5	240	18	3.03	2.49	26
Chandler	57.3	83	25	37	1	246	16	4.52	3.72	26	Oilton	55.5	84	14	33	1	296	11	6.01	3.19	26
Chickasha	56.1	83	25	34	5	277	10	*****	*****	***	Okemah	57.1	81	14	36	1	245	9	3.96	2.62	26
El Reno	54.8	87	25	31	17	319	12	2.05	1.27	26	Perkins	57.2	87	14	35	17	258	24	4.68	3.14	26
Guthrie	57.0	86	25	34	1	268	27	3.49	2.26	26	Shawnee	57.3	82	24	37	17	243	13	3.67	3.22	26
Kingfisher	55.5	90	25	32	17	301	17	3.09	1.49	26	Spencer	57.7	84	25	33	17	247	26	3.46	2.97	26
Marena	56.8	85	14	35	1	266	18	4.49	2.33	26	Stillwater	56.1	87	25	33	17	284	17	5.26	3.06	26
Marshall	55.7	86	25	33	1	297	17	3.23	1.42	26	Washington	58.0	83	25	38	5	224	15	4.16	2.50	26
EAST CENTRAL																					
Calvin	58.6	81	13	36	5	205	12	2.81	1.57	26	Preston	58.5	84	14	38	5	215	20	2.14	.95	27
Cookson	56.1	81	13	33	22	275	8	2.94	1.39	26	Sallisaw	58.2	82	13	38	22	218	15	2.67	1.91	26
Eufaula	58.7	81	14	38	5	204	14	1.80	.72	26	Stigler	58.5	83	14	37	5	209	15	1.88	1.24	26
Haskell	57.6	82	14	37	1	232	9	2.25	.90	27	Stuart	58.0	80	13	38	5	220	11	.90	.36	26
Hectorville	58.2	82	14	37	5	221	16	2.45	1.01	27	Tahlequah	55.7	81	14	34	4	289	9	1.65	.60	26
McAlester	58.5	82	13	37	23	210	14	1.14	.57	26	Webbers Falls	59.0	84	13	38	23	201	22	1.54	.76	26
Okmulgee	57.3	83	14	35	5	240	9	1.70	.73	26	Westville	56.0	80	14	35	5	279	8	2.27	.69	26
SOUTHWEST																					
Altus	59.0	95	24	33	4	215	36	.30	.21	26	Hollis	58.1	96	24	31	4	235	27	.56	.46	26
Apache	56.8	84	25	33	4	264	16	2.23	1.07	26	Mangum	57.4	94	24	32	4	252	24	.48	.31	26
Fort Cobb	57.3	90	25	32	4	252	22	1.55	1.10	26	Medicine Park	58.3	88	25	33	4	221	19	1.28	.67	26
Grandfield	58.8	91	25	33	4	215	28	2.13	1.09	26	Tipton	58.5	93	24	35	4	222	27	.48	.19	26
Hinton	56.0	89	25	30	4	288	18	1.22	.68	26	Walters	59.0	87	24	35	4	204	24	3.25	1.99	26
Hobart	56.8	89	25	32	4	267	20	.65	.29	26											
SOUTH CENTRAL																					
Ada	58.5	82	14	35	5	215	19	3.82	2.95	26	Lane	59.1	82	13	38	23	193	16	2.16	.85	26
Ardmore	59.9	82	14	39	5	179	26	1.29	.96	26	Madill	59.6	83	14	38	21	192	29	2.01	1.68	26
Burneyville	59.4	83	14	35	4	193	26	1.29	1.04	26	Pauls Valley	58.8	84	25	38	5	206	20	4.15	3.54	26
Byars	58.4	81	14	38	17	217	19	5.64	4.37	26	Ringling	59.4	84	14	36	4	193	26	2.37	2.01	26
Centrahoma	58.5	83	14	35	23	211	17	1.39	1.05	26	Sulphur	58.4	82	14	35	21	218	19	2.31	1.86	26
Durant	60.9	83	14	43	1	154	30	1.65	.80	26	Tishomingo	58.5	83	14	38	1	211	15	1.64	1.27	26
Ketchum Ranch	59.0	85	14	37	4	205	26	4.15	3.44	26	Waurika	59.6	85	14	36	4	190	29	2.62	2.01	26
SOUTHEAST																					
Antlers	57.8	84	13	34	1	230	14	1.81	1.20	26	Idabel	60.0	84	13	37	19	175	25	1.80	1.23	26
Broken Bow	59.5	84	13	37	19	182	16	2.28	1.66	26	Mt Herman	57.3	80	13	36	1	237	7	2.39	1.08	26
Clayton	58.7	82	13	36	5	202	14	2.53	1.84	26	Talihina	58.2	82	13	35	22	216	13	2.02	1.10	26
Cloudy	58.6	82	13	38	1	206	14	1.98	1.07	26	Wilburton	58.3	82	13	35	23	216	17	1.40	1.04	26
Hugo	60.5	83	13	42	5	162	26	3.05	1.09	26	Wister	57.5	82	13	33	5	242	15	1.31	.62	26



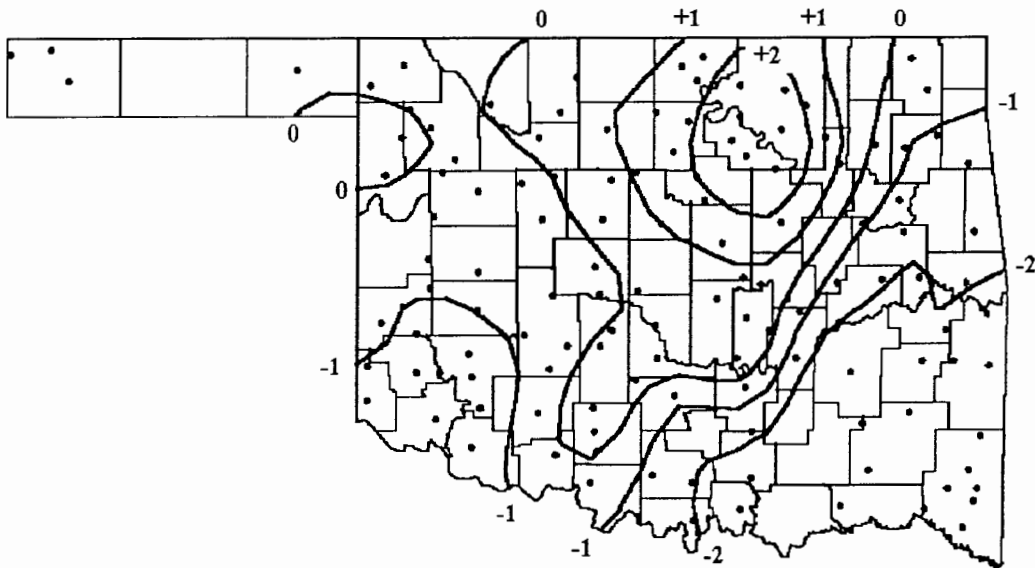
APRIL 1998 AVERAGE MONTHLY TEMPERATURE (°F)



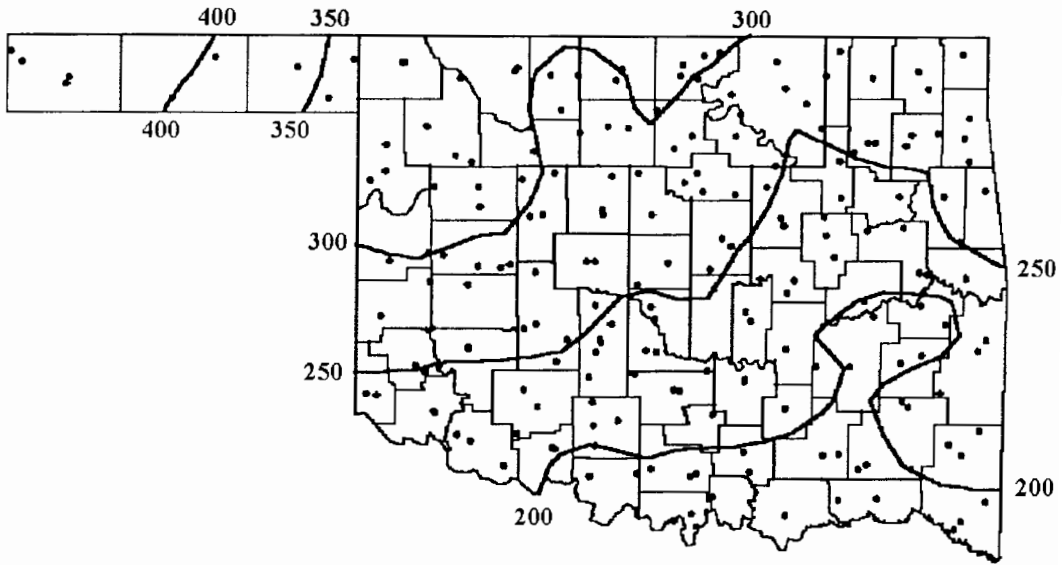
APRIL 1998 DEPARTURE FROM NORMAL TEMPERATURE (°F)



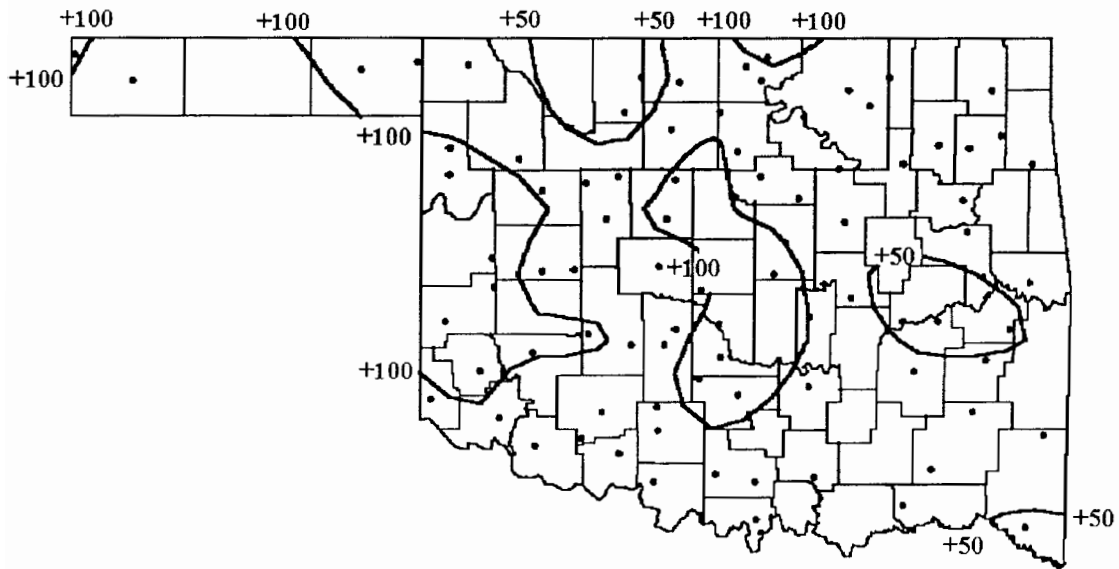
APRIL 1998 TOTAL PRECIPITATION
(INCHES)



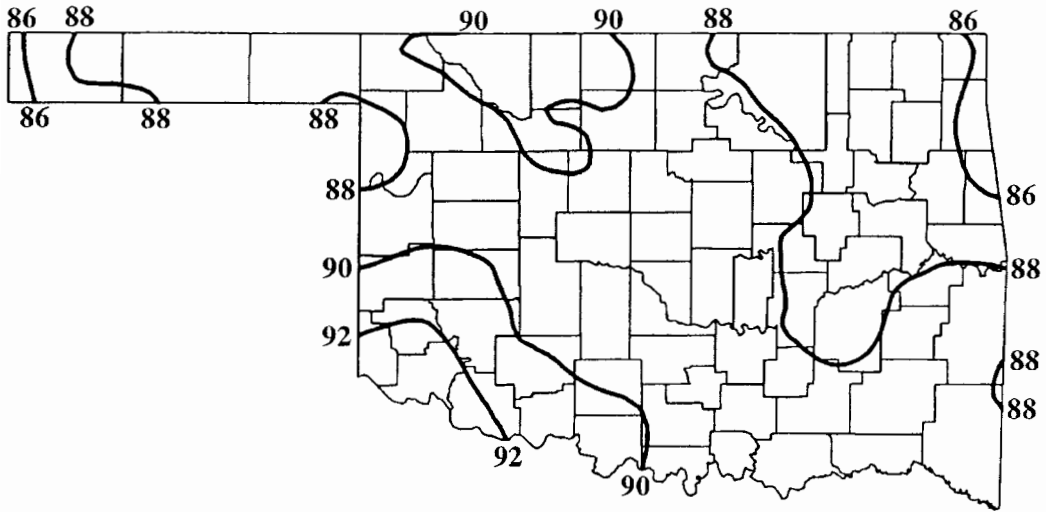
APRIL 1998 DEPARTURE FROM NORMAL PRECIPITATION
(INCHES)



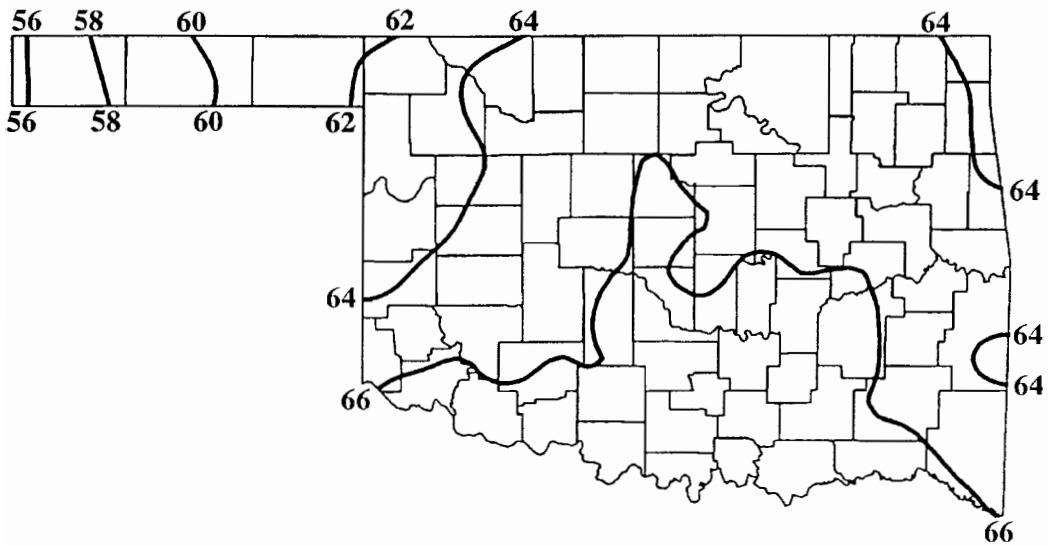
APRIL 1998 ACCUMULATED HEATING DEGREE DAYS
(°F)



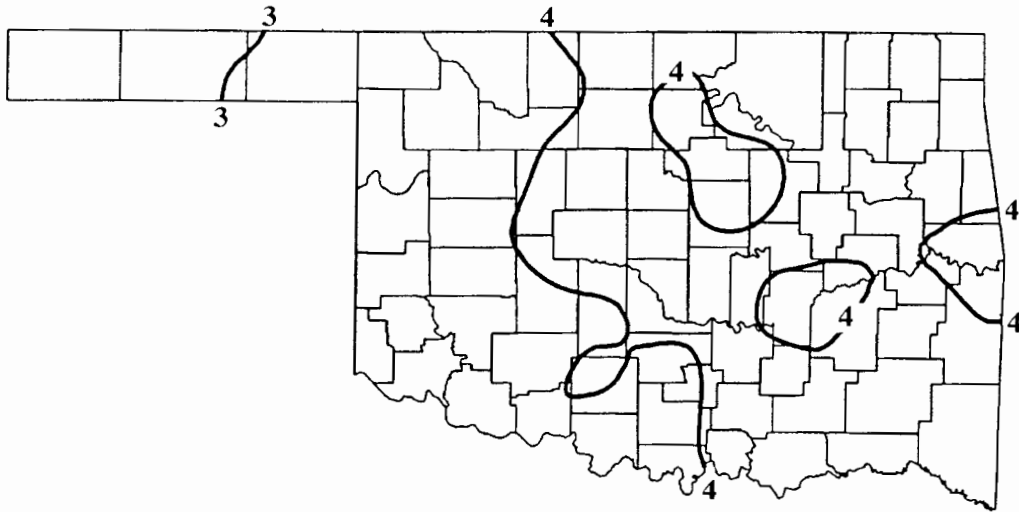
APRIL 1998 DEPARTURE FROM NORMAL HEATING DEGREE DAYS
(°F)



JUNE NORMAL DAILY MAXIMUM TEMPERATURE (°F)



JUNE NORMAL DAILY MINIMUM TEMPERATURE (°F)



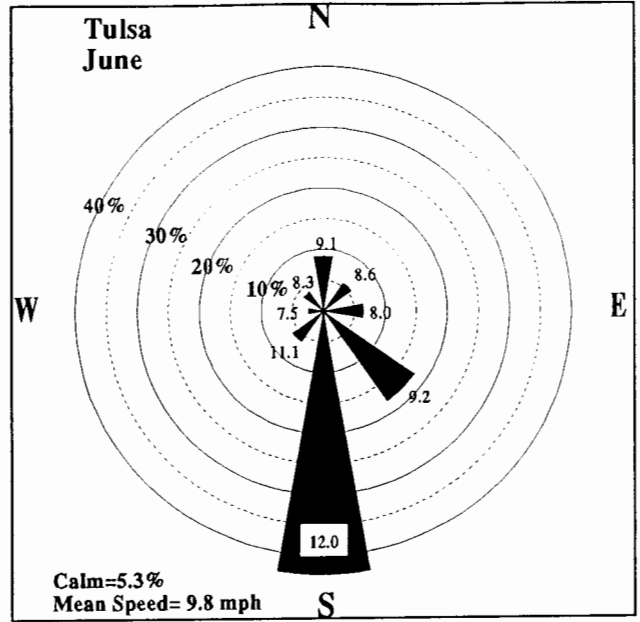
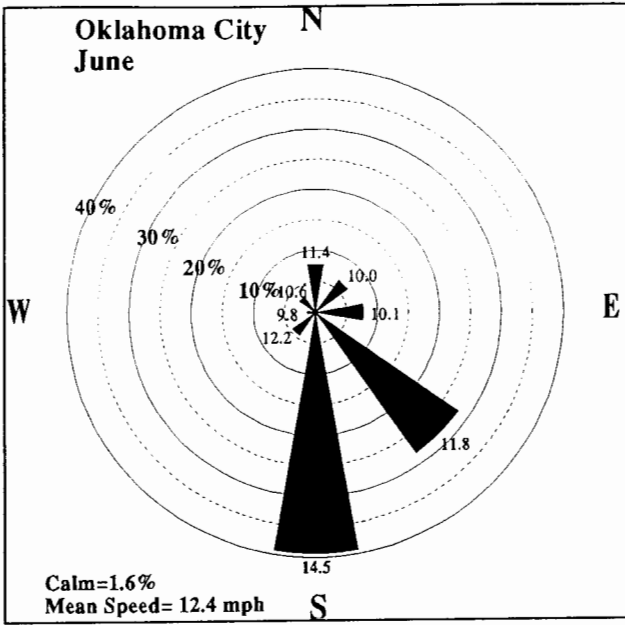
JUNE NORMAL MONTHLY PRECIPITATION (inches)

OUTLOOK FOR JUNE THROUGH AUGUST 1998

BASED ON SEASONAL OUTLOOKS PROVIDED BY THE CLIMATE PREDICTION CENTER

TEMPERATURE: Lower Than Normal North
Near Normal Elsewhere

PRECIPITATION: Near Normal Statewide



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.

SUNRISE/SUNSET TIMES FOR JUNE 1998

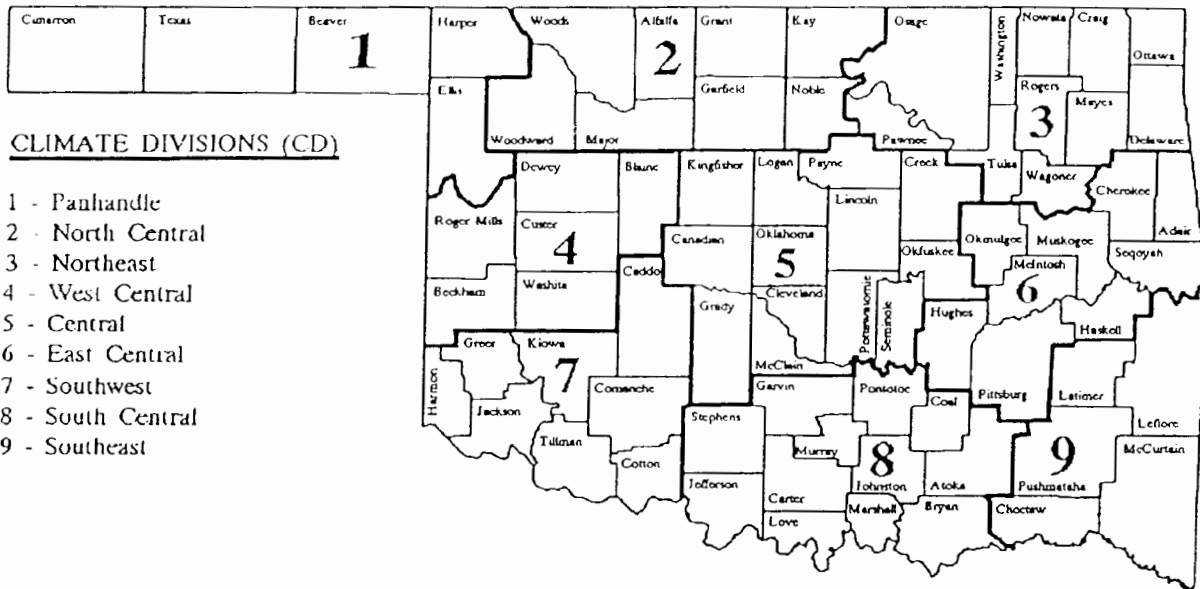
OKLAHOMA CITY

DATE	SUNRISE	SUNSET	DAYLIGHT
98 6 1	5:19AM	7:37PM cst	14 hrs 19 mins
98 6 2	5:18AM	7:38PM cst	14 hrs 19 mins
98 6 3	5:18AM	7:38PM cst	14 hrs 20 mins
98 6 4	5:18AM	7:39PM cst	14 hrs 21 mins
98 6 5	5:18AM	7:40PM cst	14 hrs 22 mins
98 6 6	5:18AM	7:40PM cst	14 hrs 23 mins
98 6 7	5:17AM	7:41PM cst	14 hrs 23 mins
98 6 8	5:17AM	7:41PM cst	14 hrs 24 mins
98 6 9	5:17AM	7:42PM cst	14 hrs 24 mins
98 6 10	5:17AM	7:42PM cst	14 hrs 25 mins
98 6 11	5:17AM	7:43PM cst	14 hrs 26 mins
98 6 12	5:17AM	7:43PM cst	14 hrs 26 mins
98 6 13	5:17AM	7:43PM cst	14 hrs 26 mins
98 6 14	5:17AM	7:44PM cst	14 hrs 27 mins
98 6 15	5:17AM	7:44PM cst	14 hrs 27 mins
98 6 16	5:17AM	7:45PM cst	14 hrs 28 mins
98 6 17	5:17AM	7:45PM cst	14 hrs 28 mins
98 6 18	5:17AM	7:45PM cst	14 hrs 28 mins
98 6 19	5:17AM	7:46PM cst	14 hrs 28 mins
98 6 20	5:18AM	7:46PM cst	14 hrs 28 mins
98 6 21	5:18AM	7:46PM cst	14 hrs 28 mins
98 6 22	5:18AM	7:46PM cst	14 hrs 28 mins
98 6 23	5:18AM	7:46PM cst	14 hrs 28 mins
98 6 24	5:18AM	7:47PM cst	14 hrs 28 mins
98 6 25	5:19AM	7:47PM cst	14 hrs 28 mins
98 6 26	5:19AM	7:47PM cst	14 hrs 28 mins
98 6 27	5:19AM	7:47PM cst	14 hrs 28 mins
98 6 28	5:20AM	7:47PM cst	14 hrs 28 mins
98 6 29	5:20AM	7:47PM cst	14 hrs 27 mins
98 6 30	5:20AM	7:47PM cst	14 hrs 27 mins

TULSA

DATE	SUNRISE	SUNSET	DAYLIGHT
98 6 1	5:10AM	7:32PM cst	14 hrs 23 mins
98 6 2	5:10AM	7:33PM cst	14 hrs 23 mins
98 6 3	5: 9AM	7:34PM cst	14 hrs 24 mins
98 6 4	5: 9AM	7:34PM cst	14 hrs 25 mins
98 6 5	5: 9AM	7:35PM cst	14 hrs 26 mins
98 6 6	5: 9AM	7:35PM cst	14 hrs 27 mins
98 6 7	5: 8AM	7:36PM cst	14 hrs 27 mins
98 6 8	5: 8AM	7:36PM cst	14 hrs 28 mins
98 6 9	5: 8AM	7:37PM cst	14 hrs 29 mins
98 6 10	5: 8AM	7:37PM cst	14 hrs 29 mins
98 6 11	5: 8AM	7:38PM cst	14 hrs 30 mins
98 6 12	5: 8AM	7:38PM cst	14 hrs 30 mins
98 6 13	5: 8AM	7:39PM cst	14 hrs 31 mins
98 6 14	5: 8AM	7:39PM cst	14 hrs 31 mins
98 6 15	5: 8AM	7:40PM cst	14 hrs 31 mins
98 6 16	5: 8AM	7:40PM cst	14 hrs 32 mins
98 6 17	5: 8AM	7:40PM cst	14 hrs 32 mins
98 6 18	5: 8AM	7:41PM cst	14 hrs 32 mins
98 6 19	5: 8AM	7:41PM cst	14 hrs 32 mins
98 6 20	5: 9AM	7:41PM cst	14 hrs 33 mins
98 6 21	5: 9AM	7:41PM cst	14 hrs 33 mins
98 6 22	5: 9AM	7:42PM cst	14 hrs 33 mins
98 6 23	5: 9AM	7:42PM cst	14 hrs 33 mins
98 6 24	5: 9AM	7:42PM cst	14 hrs 33 mins
98 6 25	5:10AM	7:42PM cst	14 hrs 32 mins
98 6 26	5:10AM	7:42PM cst	14 hrs 32 mins
98 6 27	5:10AM	7:42PM cst	14 hrs 32 mins
98 6 28	5:11AM	7:43PM cst	14 hrs 32 mins
98 6 29	5:11AM	7:43PM cst	14 hrs 32 mins
98 6 30	5:11AM	7:43PM cst	14 hrs 31 mins

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 1961-1990
 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	1998	Avg. Low	Highest Min	Year	Record Low	Year	1998	Avg. Ppt.	Greatest Ppt.	Year	1998
1	71.2	80.7	99	1913	58	1903		61.7	75	1943	48	1982		0.25	3.37	1962	
2	71.8	81.5	97	1910	56	1919		62.1	74	1980	46	1917		0.24	1.66	1973	
3	71.7	81.5	96	1953	64	1919		61.9	75	1925	49	1919		0.23	6.75	1932	
4	72.7	82.8	95	1913	62	1928		62.6	75	1911	47	1954		0.21	3.90	1904	
5	73.7	83.8	99	1917	66	1892		63.6	75	1980	48	1919		0.11	1.48	1927	
6	74.6	85.2	102	1911	69	1983		64.0	75	1990	52	1917		0.09	3.01	1941	
7	75.8	86.6	100	1911	66	1891		64.9	78	1980	51	1983		0.11	1.44	1908	
8	76.8	87.2	100	1988	64	1913		66.4	76	1984	52	1915		0.18	2.60	1974	
9	76.1	86.2	100	1933	60	1913		66.0	77	1953	53	1996		0.11	2.56	1995	
10	75.6	86.4	99	1934	68	1955		64.9	76	1953	50	1955		0.17	4.48	1945	
11	76.3	86.6	100	1953	68	1898		66.0	75	1953	51	1955		0.12	1.61	1951	
12	76.7	87.0	104	1953	72	1903		66.3	78	1958	50	1896		0.10	4.74	1944	
13	77.1	87.4	101	1924	70	1927		66.7	78	1958	52	1906		0.15	4.56	1989	
14	77.8	88.5	106	1953	63	1927		67.2	78	1953	51	1947		0.18	3.95	1930	
15	77.1	87.8	105	1953	71	1908		66.5	79	1953	55	1969		0.10	3.01	1930	
16	76.5	86.7	106	1911	70	1961		66.3	77	1953	50	1917		0.18	3.59	1955	
17	77.2	87.9	102	1924	69	1963		66.5	78	1990	53	1912		0.07	1.85	1975	
18	78.3	88.8	101	1936	68	1912		67.8	80	1924	53	1912		0.06	0.93	1957	
19	78.6	89.4	101	1953	70	1920		67.8	80	1953	55	1926		0.09	1.68	1987	
20	78.7	89.8	105	1953	73	1905		67.6	77	1990	51	1976		0.22	2.28	1958	
21	79.1	89.8	104	1953	69	1902		68.4	79	1953	56	1906		0.25	3.28	1948	
22	79.1	90.0	107	1936	73	1912		68.2	79	1936	50	1902		0.16	2.38	1957	
23	78.1	88.3	101	1934	68	1921		67.8	77	1934	58	1958		0.20	2.79	1908	
24	78.3	88.4	104	1911	74	1909		68.3	78	1953	54	1957		0.14	2.06	1948	
25	78.5	88.7	105	1980	68	1967		68.3	82	1911	51	1974		0.21	2.29	1960	
26	78.9	89.5	104	1918	69	1904		68.3	81	1933	50	1958		0.11	1.70	1985	
27	79.7	91.0	103	1994	75	1904		68.3	79	1947	52	1974		0.04	2.19	1907	
28	80.1	91.3	105	1980	78	1923		68.9	78	1986	56	1974		0.14	3.10	1988	
29	80.8	91.8	103	1925	76	1908		69.7	78	1947	54	1923		0.06	2.00	1987	
30	81.1	91.8	102	1925	73	1923		70.4	80	1980	58	1923		0.08	2.33	1981	
MONTH	76.9	87.4	107	1936	56	1919		66.5	82	1911	46	1917		4.36			

* 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 of 1961-1990.
 Temperature extremes are for the period 1905-1997.
 Precipitation extremes are for the period 1888-1997.

Day	Avg. Temp	Avg. High	Record High	Year	Lowest Max	Year	1998	Avg. Low	Highest Min	Year	Record Low	Year	1998	Avg. Ppt.	Greatest Ppt.	Year	1998
1	74	84	98	1934	69	1992		64	77	1980	51	1982		0.18	2.83	1962	
2	74	84	102	1911	59	1946		64	76	1980	49	1907		0.17	2.14	1973	
3	75	84	101	1911	58	1970		65	77	1925	52	1946		0.17	2.29	1926	
4	75	85	102	1911	66	1928		65	75	1980	49	1954		0.17	2.87	1985	
5	75	85	102	1911	70	1928		65	78	1980	49	1919		0.17	3.11	1952	
6	75	85	106	1911	74	1983		65	76	1980	53	1997		0.17	2.65	1974	
7	76	86	100	1911	69	1935		66	79	1980	51	1935		0.16	5.80	1919	
8	76	86	104	1911	67	1913		66	79	1984	52	1915		0.16	4.90	1974	
9	76	86	105	1911	60	1913		66	79	1981	56	1996		0.16	4.88	1941	
10	76	86	108	1911	70	1955		66	80	1911	54	1955		0.16	2.10	1904	
11	77	87	100	1924	69	1940		67	80	1911	51	1955		0.15	2.09	1945	
12	77	87	99	1953	73	1985		67	77	1958	50	1913		0.15	1.63	1944	
13	77	87	101	1924	69	1947		67	80	1958	52	1985		0.15	0.94	1927	
14	77	87	107	1911	69	1927		67	78	1991	51	1942		0.15	2.58	1961	
15	78	88	102	1924	71	1961		68	78	1911	52	1933		0.15	2.66	1981	
16	78	88	106	1911	74	1961		68	78	1953	50	1917		0.15	1.26	1943	
17	78	88	102	1925	72	1980		68	79	1932	52	1960		0.15	3.97	1980	
18	78	88	104	1918	70	1912		68	80	1953	54	1912		0.14	1.50	1978	
19	79	89	106	1918	71	1920		69	80	1953	51	1912		0.14	2.00	1905	
20	79	89	107	1918	77	1961		69	77	1964	53	1976		0.14	1.45	1978	
21	79	89	107	1936	73	1992		69	80	1934	54	1961		0.14	4.37	1948	
22	79	89	106	1936	75	1912		69	78	1936	56	1935		0.14	1.67	1985	
23	80	90	103	1934	69	1948		70	81	1925	57	1920		0.13	2.79	1995	
24	80	90	104	1933	72	1921		70	80	1980	55	1974		0.13	5.30	1921	
25	80	90	105	1933	70	1967		70	80	1980	52	1974		0.13	1.98	1967	
26	80	90	105	1918	74	1938		70	80	1978	53	1974		0.13	2.77	1948	
27	80	91	102	1980	77	1928		70	80	1980	53	1968		0.13	2.57	1904	
28	81	91	106	1925	81	1948		71	80	1980	58	1985		0.12	2.75	1977	
29	81	91	105	1925	78	1995		71	80	1980	57	1923		0.12	1.99	1995	
30	81	91	107	1925	76	1951		71	80	1980	57	1943		0.12	2.90	1942	
MONTH	77.7	87.7	108	1911	58	1970		67.7	80	1980	49	1954		4.44	5.80	1919	

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