

**OKLAHOMA
CLIMATOLOGICAL
SURVEY**



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**OKLAHOMA
MONTHLY SUMMARY
REVISED
FEBRUARY, 1998**

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MONTHLY SUMMARY FOR FEBRUARY 1998

Oklahoma was warmer than normal with slightly less than normal precipitation during February. The statewide-averaged temperature of 44.4 degrees was 3.1 degrees greater than normal, giving 1998 the 30th warmest February since statewide record keeping began in 1892. The average temperature for the first two months of 1998 was 42.3 degrees, 3.6 degrees above average and the 25th highest on record. The recently completed winter had an average temperature of 40.9 degrees, exceeding the normal winter temperature by 1.9 degrees and ranking 30th on the all-time list.

Meanwhile, monthly precipitation averaged 1.44 inches, 0.29 inch less than normal, to rank near the middle historically. Only the southwestern and southeastern corners of the state received greater-than-normal precipitation during the month. February's modest precipitation contributed to a year-to-date statewide-averaged precipitation of 5.04 inches, 2.05 inches greater than normal and the 11th highest January-February total on record. Despite the relative lack of precipitation in February, Oklahoma received a total of 9.01 inches over the three winter months, 4.64 inches greater than normal. The winter precipitation total was the 2nd largest in the state's known weather history, trailing only 1985 with its 10.37 inches.

Vinson (Harmon County) reported 4 inches of snow on the 5th, as other southwestern reporting stations reported snowfalls of one to three inches. Slush from snow that melted nearly as fast as it fell contributed to a fatal automobile accident in Custer County. The temperature at Fort Supply Dam (Woodward) dropped to 11 degrees on the 7th.

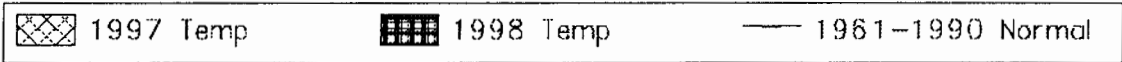
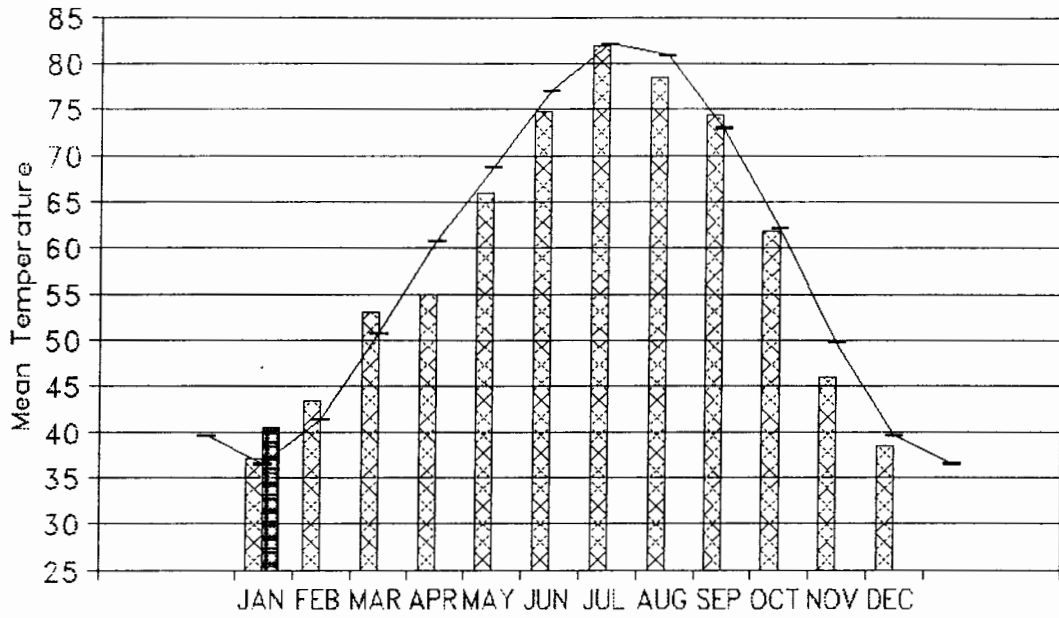
Heavy thunderstorms struck in southeastern Oklahoma on the 10th, producing locally heavy rainfall in McCurtain County that included 3.26 inches at Carnasaw Tower, 2.95 inches at Idabel Mesonet, and 2.88 inches at Broken Bow. A thunderstorm in LeFlore County led to a power outage in Heavener.

Regnier (Cimarron) reported 2 inches of snow on the 16th to introduce a system that brought 1.07 inches of precipitation to Beaver (Beaver) on the 16th, 1.71 inches of rain to Bear Mountain Tower (McCurtain) on the 17th, and a 2.02-inch rainfall at Bokchito (Bryan). Two traffic fatalities in Lincoln County on the 22nd were attributed to rain-slick roads.

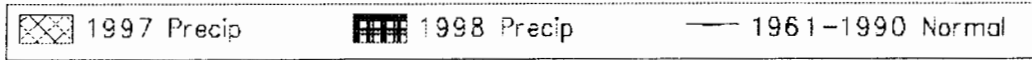
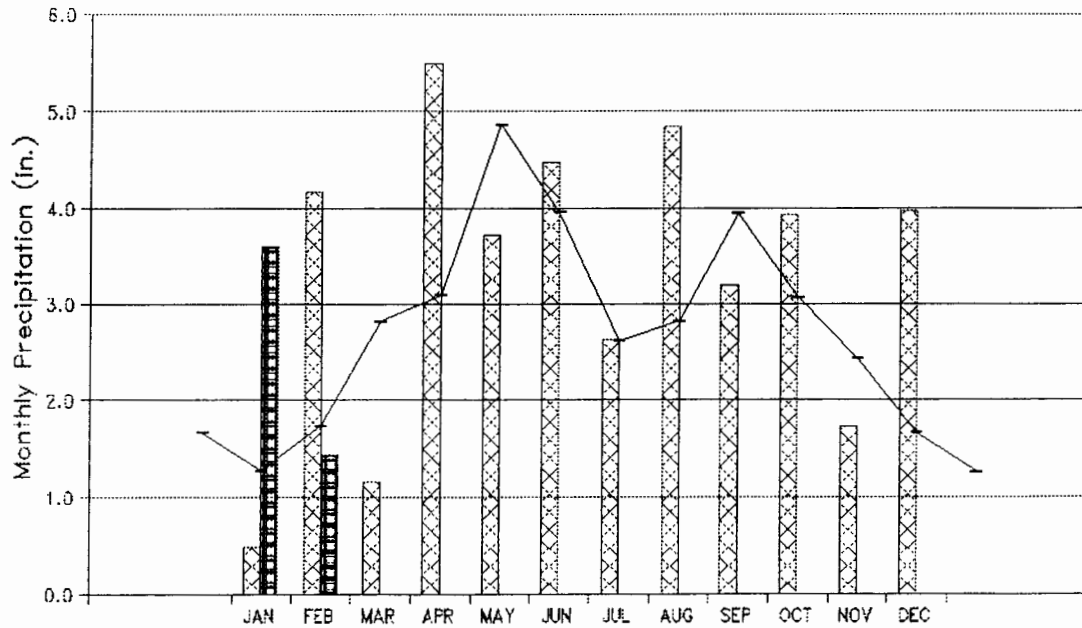
A cold front extending from a major winter storm in the northern plains crossed the state on the 25th and 26th, producing severe thunderstorms in south central Oklahoma, locally heavy rain in the southeast, and leaving snow in its wake across the Panhandle. Peak winds in excess of 50 miles per hour were reported at Oklahoma Mesonet sites in Woodward County near Freedom, in Dewey County near Putnam, and near Tishomingo in Johnston County. Large hail was reported in Pontotoc, Carter, Murray, and Hughes counties. Kenton and Boise City in Cimarron County reported snowfalls of 4 and 3 inches, respectively. Fanshawe (LeFlore) reported 2.07 inches of rain and heavy rain in Adair County was blamed for a fatal traffic accident.

Howard L. Johnson

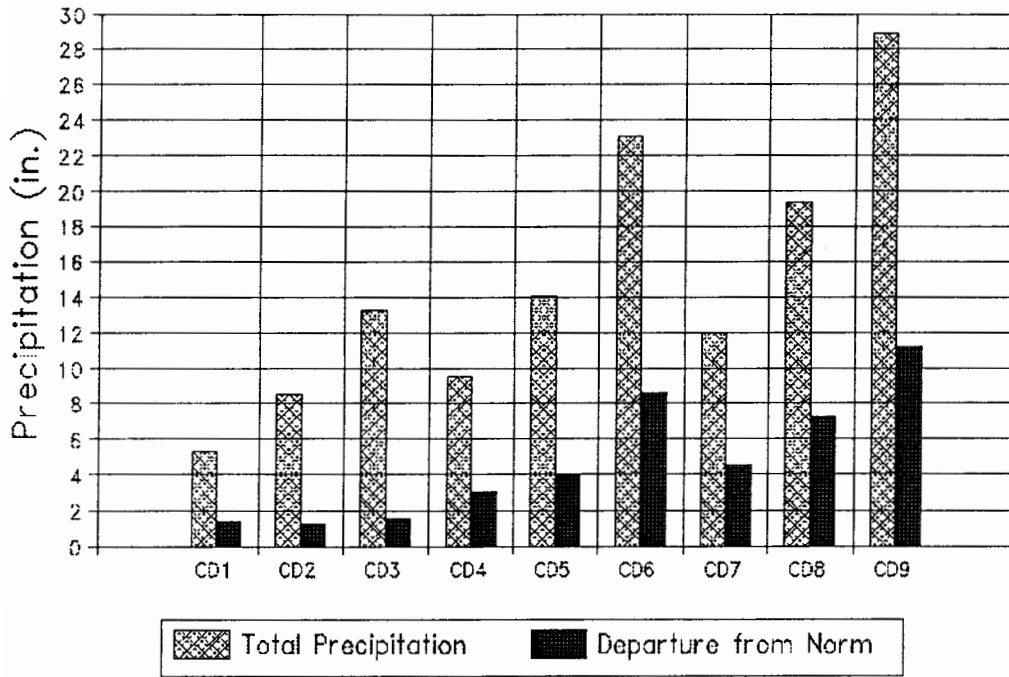
1997 and 1998 STATEWIDE TEMPERATURES Monthly Averages



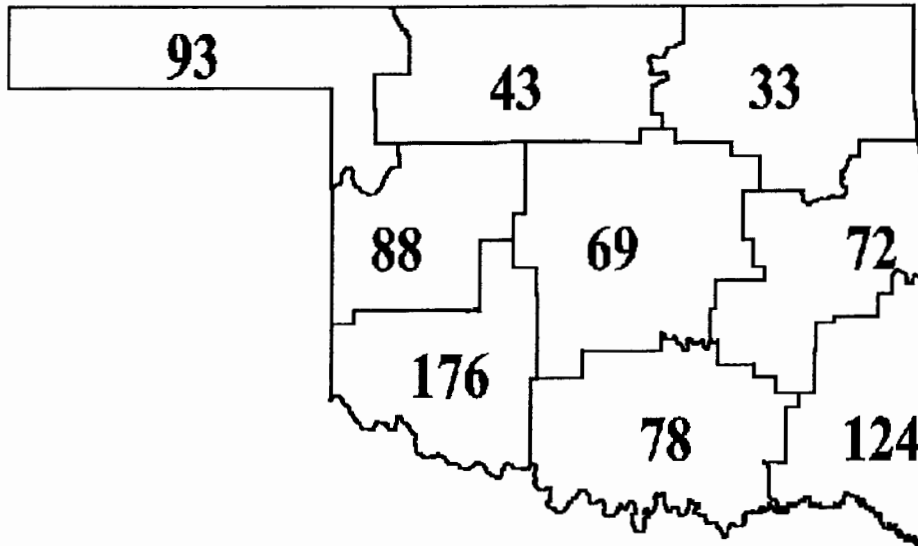
1997 and 1998 STATEWIDE PRECIPITATION Monthly Totals



CD Averaged Precipitation October 1997 through February 1998



CD PERCENT OF NORMAL PRECIPITATION FEBRUARY 1998



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

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	79	25	BEAVER	13	7	GAGE	1.50	26	KENTON	2.50	KENTON
2	78	25	FT SUPPLY	11 11	6 7	FT SUPPLY FT SUPPLY	1.48	1	CHEROKEE	1.48	CHEROKEE
3	75	25	RALSTON	20 20	7 7	BARNSDALL PAWHUSKA	.72	1	MARAMEC	1.47	KANSAS
4	74	25	REYDON	17	6	HAMMON	1.35	1	OKEENE	1.76	RETROP
5	77	24	OKEMAH	18	7	GUTHRIE	1.97	1	CHICKASHA EX	2.66	CHICKASHA EX
6	76 76	24 24	MCALESTER OKMULGEE	22 22	7 7	MCALESTER OKMULGEE	1.50	26	STILWELL	3.20	STILWELL
7	76	26	WALTERS	21 21 21	7 8 9	WICHITA MT WICHITA MT WICHITA MT	2.07	1	APACHE	3.38	FREDERICK
8	79	24	WAURIKA	21	7	MARLOW	2.02	19	BOKCHITO	3.57	BOKCHITO
9	75 75	25 24	BEAR MT TUSKAHOMA	20	6	ANTLERS	3.26	11	CARNASAW	6.33	BEAR MT

TABLE OF 1997/1998 COMPARISONS

Station	FEBRUARY Temperature (°F)		FEBRUARY Precipitation (in.)	
	1997	1998	1997	1998
Arnett	37.3	41.3	1.94	0.76
Mutual	****	41.7	****	0.02
Tulsa	44.1	44.7	3.41	0.30
Elk City	41.3	42.9	4.04	1.46
Oklahoma City	44.0	45.5	2.12	0.12
McAlester	46.5	46.9	0.87	0.25
Altus Irr Station	44.7	45.0	4.54	2.82
Ardmore	49.6	48.8	6.51	1.27
Idabel	****	47.0	****	5.27

VARIABLE	STATION	EXTREMES		OBSERVATION	DATE
		DIVISION			
Minimum temperature (°F)	Fort Supply	2		11	6
	Fort Supply	2		11	7
Maximum temperature (°F)	Beaver	1		79	25
	Waurika	8		79	24
Maximum 24-hour precipitation	Carnasaw	9		3.26"	11

FEBRUARY 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	41.3	28	4.2	75	25	21	8	664	-117	0	0	0.760	28	-0.25	0.36	1
BEAVER	593	1	40.0	28	4	79	25	16	7	700	-113	0	0	1.222	28	0.44	1.07	16
BOISE CITY	908	1	39.4	28	1.4	74	24	15	27	718	-39	0	0	0.765	28	0.27	0.30	26
BUFFALO	1243	1	44.2	28	4.2	77	24	19	7	584	-117	0	0	0.680	28	-0.36	0.50	8
FARGO	3070	1	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.702	28	-0.28	0.54	1
GAGE	3407	1	41.7	27	2.8	68	25	13	7	629	-102	0	0	0.167	28	-0.67	0.07	17
GATE	3489	1	41.8	28	4.3	78	25	19	7	651	-122	0	0	0.523	28	-0.32	0.32	1
GOODWELL	3628	1	40.3	23*	****	77	24	16	6	567	*****	0	*****	0.521	28	0.10	0.27	17
HOOKER	4298	1	39.9	25*	****	77	24	21	8	629	*****	0	*****	0.770	25	*****	0.60	17
KENTON	4766	1	39.7	24*	****	72	24	14	27	608	*****	0	*****	2.501	25	*****	1.50	26
LAVERNE	5045	1	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.493	28	-0.48	0.26	1
RANGE	7412	1	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.682	28	*****	0.40	16
REGNIER	7534	1	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.802	28	0.48	0.42	16

FEBRUARY 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	42.4	28*	****	72	26	20	7	634	*****	0	*****	0.290	28	*****	0.25	1
VANCE AFB	302	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.112	27	*****	0.05	16
BILLINGS	755	2	42.9	28	5.1	74	25	23	7	620	-143	0	0	1.201	28	-0.19	1.12	1
BLACKWELL 2E	818	2	43.0	26*	****	73	26	25	8	572	*****	0	*****	0.454	28	-0.62	0.27	1
BRAMAN	1075	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.522	28	*****	0.44	1
CEDARDALE	1620	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.632	28	*****	0.54	1
CHEROKEE	1724	2	42.2	27	2.5	71	27	22	7	616	-92	0	0	1.481	28	0.33	1.48	1
ENID	2912	2	43.0	28	2.9	73	24	23	10	616	-81	0	0	1.330	28	-0.08	1.16	1
FREEDOM	3358	2	41.0	28	1.7	75	24	17	28	673	-48	0	0	0.130	28	-0.75	0.06	8
FT SUPPLY	3304	2	40.4	28	3.3	78	25	11	7	688	-93	0	0	0.633	28	-0.33	0.54	1
HARDY	3909	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.640	28	*****	0.53	1
HELENA	4019	2	42.8	28	6.1	71	25	22	8	622	-170	0	0	0.702	28	-0.45	0.65	1
JEFFERSON	4573	2	44.6	28	5.4	73	24	22	7	571	-151	0	0	0.130	28	-1.04	0.07	9
LAMONT	5013	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.030	28	*****	0.91	1
MEDFORD	5768	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.141	28	*****	0.07	9
MORRISON	6065	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.021	28	*****	0.02	10
MUTUAL	6139	2	41.7	28	4.3	73	25	20	8	652	-121	0	0	0.643	28	-0.43	0.53	1
NEWKIRK	6278	2	42.2	28	3.7	73	26	24	8	640	-103	0	0	0.841	28	-0.33	0.70	1
ORIENTA	6751	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.520	28	-0.51	0.52	1
PERRY	7012	2	44.3	26*	****	75	25	23	8	539	*****	0	*****	0.681	26	*****	0.56	1
PONCA CITY	7201	2	46.1	28	8.5	77	25	23	7	532	-235	2	2	0.112	28	-1.22	0.05	10
RED ROCK	7505	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.480	28	-0.90	0.28	1
WAYNOKA	9404	2	42.5	24*	****	76	23	20	6	540	*****	0	*****	0.570	24	*****	0.50	16
WOODWARD	9760	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.525	28	-0.51	0.47	1

FEBRUARY 1998 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
BARNSDALL	535	3	43.0	28	3	69	24	20	7	615	-85	0	0	0.591	28	-1.26	0.40	1
BARTLESVILLE	548	3	43.9	28	3.9	70	24	23	7	590	-111	0	0	0.460	28	-1.12	0.24	1
BIXBY	782	3	44.9	28	6	69	25	23	8	563	-168	0	0	0.820	28	-1.01	0.44	1
BURBANK	1256	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.112	28	-1.29	0.11	9
CHELSEA	1717	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.580	28	*****	0.25	16
CLAREMORE	1828	3	42.7	28	4.5	69	25	21	9	624	-127	0	0	0.570	28	-1.43	0.36	1
CLEVELAND 2	1902	3	42.1	27*	****	70	24	22	28	620	*****	0	*****	0.740	27	*****	0.67	1
FORAKER	3250	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.651	28	-0.68	0.46	1
HOLLOW	4258	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.360	28	-1.42	0.18	1
HOMINY	4289	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.582	28	-1.08	0.58	1
KANSAS	4672	3	44.1	28	3.1	68	24	24	5	585	-88	0	0	1.474	28	-0.87	0.67	26
LENAPAH	5118	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.370	28	*****	0.15	1
MANNFORD	5522	3	45.4	28	4.5	71	25	21	7	549	-126	0	0	0.711	28	-1.24	0.71	1
MARAMEC	5540	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.741	28	-0.82	0.72	1
MIAMI	5855	3	42.2	28	4.5	69	24	23	14	639	-125	0	0	0.200	28	-1.83	0.12	21
PAWHUSKA	6935	3	43.9	28	4.4	71	25	20	7	591	-123	0	0	0.560	28	-1.24	0.40	1
PAWNEE	6940	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.500	28	-1.19	0.48	1
PRYOR	7309	3	43.5	26*	****	71	25	24	14	558	*****	0	*****	0.524	26	*****	0.29	1
RALSTON	7390	3	43.5	26*	****	71	25	24	14	558	*****	0	*****	0.545	26	*****	0.29	1
RALSTON	7390	3	44.5	28	4.5	75	25	21	7	574	-127	0	0	0.451	28	-1.18	0.35	1
SKIATOOK	8258	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.570	28	-1.23	0.39	1
SPAVINAW	8380	3	45.7	28	4.4	67	25	24	7	541	-123	0	0	0.500	28	-1.44	0.24	1
TULSA	8992	3	44.7	28	4.4	69	24	26	7	570	-123	0	0	0.303	28	-1.67	0.12	1
UPPER SPAV	9101	3	44.3	28*	****	69	24	23	13	580	*****	0	*****	1.112	28	*****	0.48	1
VINITA	9203	3	43.2	27	4.4	71	24	21	17	588	-146	0	0	0.380	27	*****	0.21	1
WAGONER	9247	3	46.1	28	4.3	71	25	25	7	531	-120	0	0	1.141	28	-0.93	0.64	1
WANN	9298	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.381	28	*****	0.20	1
WYNONA	9792	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.591	28	*****	0.50	1

FEBRUARY 1998 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
CANTON DAM	1445	4	43.0	28	4.6	73	25	21	6	615	-130	0	0	0.902	28	-0.15	0.82	1
CLINTON	1909	4	44.5	28	3	69	25	21	6	573	-85	0	0	1.371	28	0.18	0.89	1
CORDELL	2125	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.184	28	-0.02	0.77	1
COLONY	2039	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.503	28	*****	0.22	19
ELK CITY	2849	4	42.9	28	1.8	68	27	22	7	618	-52	0	0	1.460	28	0.26	0.73	1
ERICK	2944	4	43.2	28	1.7	71	25	23	8	612	-47	0	0	1.212	28	0.24	0.53	17
GEARY	3497	4	47.2	25*	****	69	27	29	8	444	*****	0	*****	1.090	25	*****	1.09	1
HAMMON	3871	4	41.8	27	3	69	25	17	6	626	-109	0	0	0.762	27	*****	0.52	1
LEEDEY	5090	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.360	28	-0.66	0.19	7
MACKIE	5463	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.590	28	*****	0.31	1
MORAVIA	6035	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.681	28	0.52	0.58	1
OKEENE	6629	4	44.4	28	3.2	71	25	23	6	578	-89	0	0	1.351	28	0.14	1.35	1
RETROP	7565	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.760	28	*****	0.73	1
REYDON	7579	4	43.0	20*	****	74	25	22	6	440	*****	0	*****	0.730	26	*****	0.33	1
SAYRE	7952	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.280	28	0.46	0.42	1
SWEETWATER	8652	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.372	28	*****	0.37	17
TALOGA	8708	4	42.6	28	2.8	70	26	19	8	628	-78	0	0	0.581	28	-0.51	0.52	1
THOMAS	8815	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.790	28	*****	0.60	1
VICI	9172	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.144	28	-1.06	0.10	16
WATONGA	9364	4	44.4	28	4.1	71	25	23	6	576	-117	0	0	1.207	28	-0.05	1.15	1
WEATHERFORD	9422	4	43.1	27	4.2	71	24	24	7	592	-139	0	0	0.270	27	*****	0.10	18

FEBRUARY 1998 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
AMBER	200	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.860	28	*****	1.57	1
ARCADIA	288	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.670	28	*****	0.97	1
BLANCHARD	830	5	46.9	28	3.9	76	25	25	6	506	-110	0	0	2.013	28	0.26	1.66	1
BRISTOW	1144	5	46.4	28	4.4	75	24	22	7	521	-124	1	1	1.034	28	-0.90	0.94	1
CHANDLER	1684	5	44.2	27	2.2	76	26	25	8	562	-82	0	0	1.043	27	*****	1.04	2
CHICKASHA EX	P 1750	5	47.2	28	4.6	74	25	25	7	500	-128	1	1	2.660	28	1.07	1.97	1
COX CITY	2196	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.980	28	*****	1.23	1
CRESCENT	2242	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.850	28	*****	0.53	1
CUSHING	2318	5	44.2	28	5.1	74	26	26	8	582	-143	0	0	0.600	28	-1.19	0.60	1
EL RENO	2818	5	46.1	28	5.3	74	25	27	6	529	-150	0	0	1.560	28	0.26	1.35	1
GUTHRIE	3821	5	43.7	26 *	****	75	26	18	7	555	*****	0	*****	1.353	28	-0.31	1.20	1
HENNESSEY	4055	5	42.8	28	2.6	68	25	24	7	621	-73	0	0	1.322	28	0.09	1.03	1
INGALLS	4489	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.422	28	*****	0.37	1
KINGFISHER	4861	5	43.1	28	2	72	26	21	18	613	-57	0	0	1.680	28	0.29	1.26	1
KONAWA	4915	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.560	28	-1.52	0.49	16
MARSHALL	5589	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.634	28	-0.64	0.57	1
MEEKER	5779	5	44.6	28	2.7	76	26	22	8	573	-75	0	0	1.131	28	-0.90	0.93	1
MULHALL	6110	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.010	28	*****	0.01	19
NORMAN NWS	6386	5	45.1	27	2.3	75	25	25	7	538	-85	0	0	0.732	28	-0.99	0.32	1
OKEMAH	6638	5	48.4	28	5.9	77	24	29	7	464	-166	0	0	1.680	28	-0.23	1.26	1
OKLAHOMA CTY	F.6659	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.752	28	*****	1.57	1
OKLAHOMA CTY	6661	5	45.5	28	4.6	75	25	24	7	547	-129	0	0	0.127	28	-1.43	0.08	1
PERKINS	7003	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.540	28	-1.13	0.48	1
PIEDMONT	7068	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.320	28	*****	0.90	1
PRAGUE	7264	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.921	28	-1.02	0.61	1
PURCELL	7327	5	44.3	28	1.6	76	26	21	4	579	-45	0	0	2.410	28	0.44	1.60	1
SEMINOLE	8042	5	44.8	28	0.7	75	24	26	7	566	-20	0	0	0.450	28	-1.56	0.18	16
SHAWNEE	8110	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.331	28	-0.68	1.22	1
STELLA	8479	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.870	28	*****	1.37	1
STILLWATER	8501	5	44.0	28	5.4	74	26	24	8	589	-151	0	0	0.473	28	-1.06	0.45	1
STROUD	8563	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.441	28	*****	1.32	1
TECUMSEH	8751	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.750	28	*****	1.30	1
TROUSDALE	8960	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.670	28	*****	1.10	1
UNION CITY	9086	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.390	28	-1.19	0.10	19
WELTY	9479	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.970	28	*****	0.77	1
WEWOKA	9575	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.840	28	-1.35	0.37	1

FEBRUARY 1998 SUMMARY FOR EAST CENTRAL DIVISION (CD 6)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ASHLAND	364	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.251	28	*****	0.55	17
BEGGS	631	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.092	28	*****	0.81	1
CALVIN	1391	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.800	28	-1.32	0.50	27
CHECOTAH	1711	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.284	28	-0.91	0.48	27
CLAYTON	1858	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.150	28	*****	0.55	26
DEWAR	2485	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.006	28	-1.22	0.35	1
DUSTIN	2690	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.191	28	*****	0.33	1
EUFAULA	2993	6	47.4	28	3.8	75	24	28	7	494	-105	0	0	1.650	28	-0.72	0.45	18
HANNA	3884	6	46.4	28	3.3	75	24	25	7	522	-91	0	0	1.600	28	-0.78	0.72	26
HASKELL	3956	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.270	28	-0.90	0.97	1
LAKE EUFAULA	4975	6	44.7	25 *	****	75	25	28	7	507	*****	0	*****	1.090	25	*****	0.29	16
LYONS	5437	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.351	28	0.43	1.21	26
MARBLE CITY	5546	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.670	28	*****	1.07	26
MCALESTER	5664	6	46.9	28	4.4	76	24	22	7	506	-124	0	0	0.254	28	-2.39	0.08	15
MCCURTAIN	5693	6	48.0	28	4	75	24	29	5	476	-112	0	0	2.131	28	-0.81	0.55	17
MUSKOGEE	6130	6	46.5	28	4.4	70	24	27	7	518	-123	0	0	1.121	28	-1.19	0.80	25
OKMULGEE	6670	6	45.2	27	5.1	76	24	22	7	534	-164	0	0	1.400	27	*****	1.00	1
OKTAHA	6678	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.360	28	*****	0.52	26
QUINTON	7372	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.245	28	-1.25	0.39	16
SALLISAW	7862	6	45.5	28	2.4	71	25	29	5	547	-67	0	0	2.950	28	0.23	0.71	26
SCIPIO	7979	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.180	28	*****	1.20	26
SCRAPER	7993	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.600	28	*****	1.30	8
SHORT	8170	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.230	28	*****	0.72	11
STILWELL	8506	6	42.7	28	1.5	65	24	24	16	625	-42	0	0	3.200	28	0.54	1.50	26
TAHLEQUAH	8677	6	44.7	28	3.4	69	24	23	7	568	-96	0	0	1.984	28	-0.43	1.48	26
WEBBERS FALL	9445	6	44.7	25 *	****	75	25	27	12	507	*****	0	*****	1.800	27	*****	0.38	27
WESTVILLE	9523	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.070	28	*****	1.22	26
WETUMKA	9571	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.953	28	-1.19	0.42	1

FEBRUARY 1998 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	45.0	28	0.7	72	9	27	7	560	-21	0	0	2.820	28	1.72	0.97	19
ALTUS DAM	184	7	43.3	28	1.8	71	26	23	7	608	-50	0	0	2.730	28	1.54	1.34	1
ANADARKO	224	7	43.7	28	1.7	71	26	22	7	596	-49	0	0	2.281	28	0.87	1.75	1
APACHE	260	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.720	28	1.28	2.07	1
ALTUS AFB	447	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.170	27	*****	0.91	19
CARNEGIE	1504	7	45.2	28	3.2	71	24	26	6	554	-91	0	0	0.952	28	-0.40	0.33	16
CHATTANOOGA	1706	7	45.6	26*	****	73	26	25	8	505	*****	0	*****	3.061	26	*****	0.97	1
DUNCAN 11 W	2668	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.451	28	*****	0.58	18
FREDERICK	3353	7	45.6	27	3	73	26	28	7	523	-105	0	0	3.380	27	*****	1.03	18
HEADRICK	3998	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	3.020	28	*****	1.11	19
HOBART	4204	7	43.8	27	1.9	69	25	24	7	573	-74	0	0	0.803	28	-0.25	0.49	17
HOLLIS	4249	7	44.8	28	1.2	71	24	25	7	567	-33	0	0	3.220	28	2.21	1.05	19
LAWTON	5063	7	46.4	27	4.5	74	26	27	7	503	-145	0	0	3.260	27	*****	1.65	1
LOOKEBA	5329	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.520	28	0.21	1.24	1
MANGUM	5509	7	44.3	28	0.8	71	26	24	7	580	-23	0	0	2.992	28	1.87	1.65	1
RANDLETT	7403	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	3.200	28	*****	0.86	19
ROOSEVELT	7727	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.151	28	0.01	0.55	17
SEDAN	8016	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.022	28	*****	1.01	1
SNYDER	8299	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.902	28	0.67	0.75	1
VINSON	9212	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.531	28	1.66	0.71	1
WALTERS	9278	7	46.6	28	1.9	76	26	25	8	516	-52	0	0	2.040	28	0.24	0.73	1
WICHITA MT	9629	7	43.6	27	2.7	72	26	21	9	579	-96	0	0	2.322	27	*****	1.04	1
WILLOW	9668	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.600	28	*****	0.61	17

FEBRUARY 1998 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

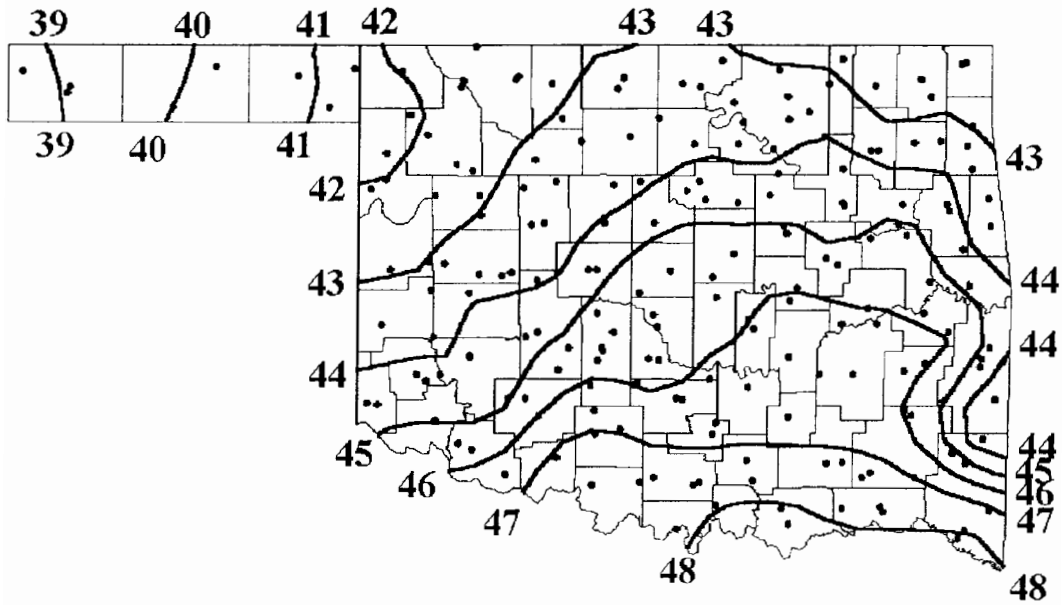
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ADA	17	8	46.7	28	3	73	24	23	7	514	-83	0	0	1.631	28	-0.52	0.68	1
ALLEN	147	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.500	28	*****	0.80	26
ARDMORE	292	8	48.8	28	2.3	77	26	28	7	453	-71	0	-6	1.270	28	-0.75	0.54	20
ATOKA DAM	394	8	47.0	20*	****	74	25	28	9	359	*****	0	*****	1.421	20	*****	0.33	17
BOKCHITO	917	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	3.570	28	*****	2.02	19
CANEY	1437	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.010	28	*****	0.52	17
CENTRAHOMA	1648	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.150	28	*****	1.30	26
CHICKASAW	1745	8	45.9	28	3.7	75	26	23	7	534	-105	0	0	1.512	28	-0.47	0.49	17
COLEMAN	2011	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.210	31	*****	0.57	17
COMANCHE	2054	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.140	28	-0.60	0.74	17
DAISY	2354	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.342	28	-0.78	0.63	26
DUNCAN	2660	8	46.8	28	4.1	75	25	25	8	510	-114	0	0	1.640	28	-0.06	0.50	17
DURANT	2678	8	48.3	28	4.8	74	25	27	7	468	-134	0	0	2.020	28	-0.61	0.65	22
ELMORE CITY	2872	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.450	28	*****	0.79	1
GRADY	3688	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.560	28	*****	0.54	17
HEALDTON	4001	8	46.9	27	2.5	78	25	25	7	490	-87	0	0	2.280	27	*****	0.52	20
KETCHUM RAN	4780	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.060	28	*****	0.42	17
HENNEPIN	4052	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.272	28	*****	0.63	1
KINGSTON	4865	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.511	28	-1.12	0.37	22
LEHIGH	5108	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.853	28	*****	0.35	17
LINDSAY	5216	8	44.9	28	1.6	74	25	25	6	562	-47	0	0	0.640	28	-1.14	0.38	16
LOCO	5247	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.770	28	*****	0.39	1
MADILL	5468	8	46.9	17*	****	75	24	26	8	308	*****	0	*****	0.660	18	*****	0.50	13
MARLOW	5581	8	47.5	28	4	75	25	21	7	493	-110	2	2	2.510	28	0.92	1.67	1
MCGEE CREEK	5713	8	47.8	28*	****	73	25	26	7	481	*****	0	*****	2.710	28	*****	0.56	22
PAULS VALLEY	6926	8	45.2	28	1.3	75	26	22	8	554	-37	0	0	1.272	28	-0.58	0.55	1
PONTOTOC	7214	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.390	28	-0.74	0.41	19
TISHOMINGO	8884	8	47.4	28	2.5	75	24	25	7	492	-71	0	0	1.331	28	-1.03	0.64	16
TUSSY	9032	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.640	28	*****	1.56	11
WAURIKA	9395	8	48.5	28	3.1	79	24	26	7	466	-84	3	3	1.340	28	-0.28	0.37	17

FEBRUARY 1998 SUMMARY FOR SOUTHEAST DIVISION (CD9)

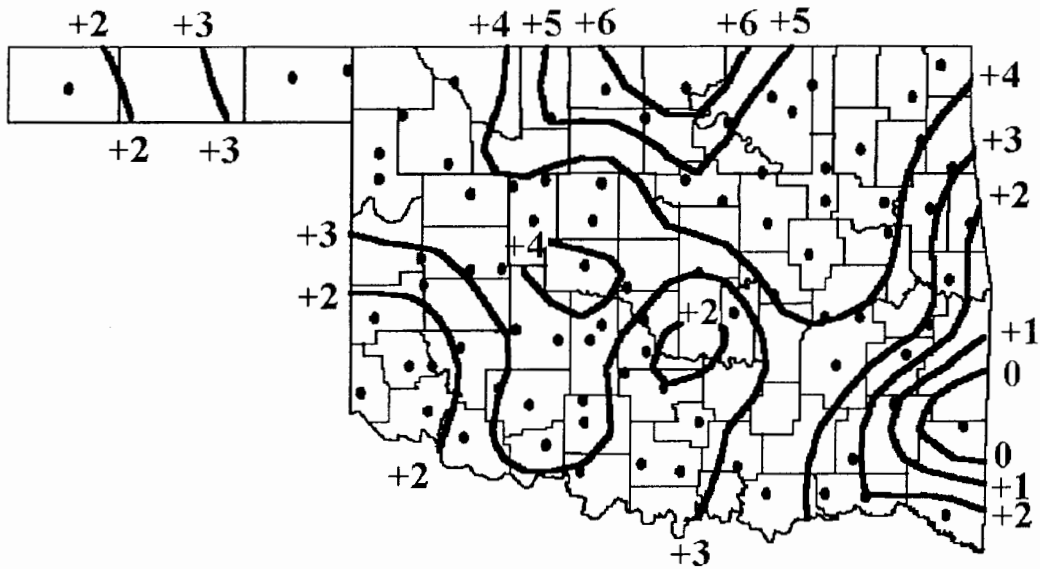
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					FROM NORM	MAX TEMP	DAY				FROM NORM	DEG DAY			FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	47.6	28	2.8	72	24	20	6	486	-80	0	0	28	-0.44	0.86	25
BATTIEST	567	9	45.3	28*	****	73	25	26	8	552	*****	0	*****	28	*****	2.00	11
BEAR MT	584	9	48.4	20*	****	75	25	26	7	332	*****	0	*****	24	*****	2.52	10
BENGAL	670	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	28	*****	0.57	26
BOSWELL	980	9	47.1	28	1.9	70	26	27	9	502	-53	0	0	28	0.74	1.63	26
BROKEN BOW	1162	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	24	*****	2.88	10
CARNASAW	1499	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	28	2.49	3.26	11
CARTER TWR	1544	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	28	2.64	2.62	11
FANSHAWE	3065	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	28	0.53	2.27	27
HEAVENER	4008	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	28	1.17	1.40	11
HUGO	4384	9	47.8	28	1.2	69	24	24	6	481	-35	0	0	28	0.33	1.50	25
IDABEL	4451	9	47.0	28	2.6	72	25	24	7	504	-74	0	0	28	1.74	2.90	11
PAGE	6842	9	42.6	28*	****	70	25	21	8	627	*****	0	*****	28	*****	2.36	11
POTEAU	7254	9	45.0	28*	****	74	24	24	7	560	*****	0	*****	28	*****	1.08	10
SMITHVILLE	8285	9	40.2	28	-2.7	65	25	22	18	694	75	0	0	28	1.17	2.50	11
SPIRO	8416	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	28	0.41	0.96	11
TUSKAHOMA	9023	9	45.1	28	0.2	75	24	21	7	556	-7	0	0	28	-0.63	0.66	26
VALLIANT	9118	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	28	1.42	2.24	11
WILBURTON	9634	9	46.2	28	3	74	24	23	7	527	-83	0	0	28	-1.13	0.41	25
WISTER	9724	9	44.4	28*	****	73	25	24	8	577	*****	0	*****	28	*****	1.07	11

FEBRUARY 1998 CLIMATE DIVISION SUMMARY

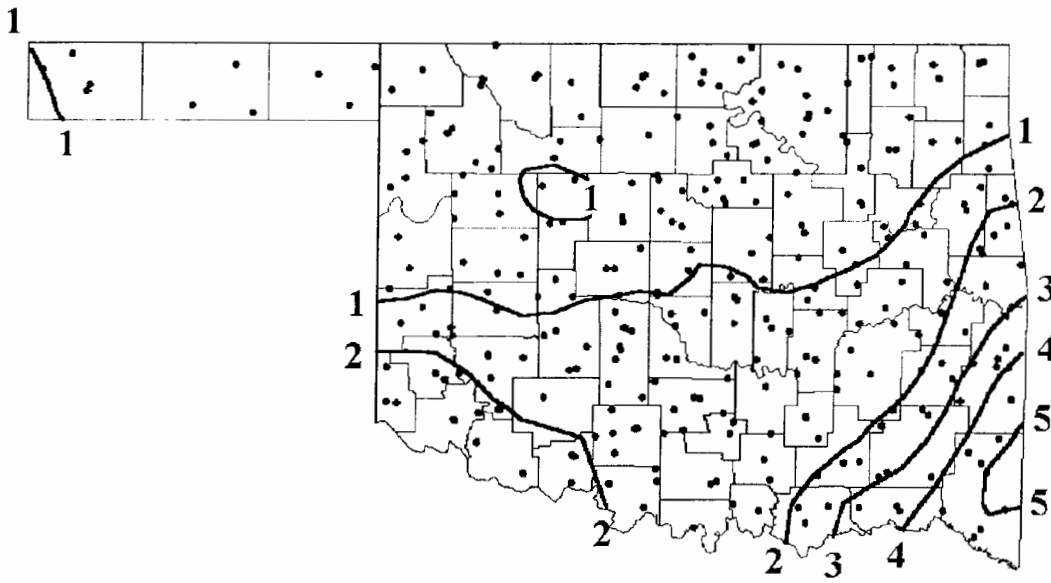
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			FROM NORM	MAX TEMP	DAY				FROM NORM	DEG DAY			FROM NORM	MAX 24-HR	DAY	
1	41.4	6	3.0	9 79	0	25 1	3	7	657	4 -113.5	0	0	1	11 -.05	1.5	0 26
2	42.7	11	3.0	9 78	0	25 1	1	7	623	8 -110.9	0	0	1	21 -.58	1.4	8 1
3	44	15	4.0	3 75	0	25 2	0	7	583	8 -123.0	0	0	1	24 -1.22	0.7	2 1
4	43.3	9	3.0	0 74	0	25 1	7	6	601	7 -88.0	0	0	1	17 -.13	1.3	5 1
5	45.2	15	3.0	4 77	0	24 1	8	7	552	4 -98.4	0	0	1	35 -.54	1.9	7 1
6	45.9	9	3.0	8 76	0	24 2	2	7	532	1 -108.2	0	0	2	25 -.67	1.5	0 26
7	44.8	11	2.0	0 76	0	26 2	1	9	559	6 -63.6	0	0	2	18 .96	2	7 1
8	47.1	12	3.0	0 79	0	24 2	1	7	501	2 -86.4	0	0	2	27 -.49	2	2 19
9	45.3	11	.	5 75	0	24 2	0	6	551	3 -15.0	0	0	4	18 .79	3.2	6 11



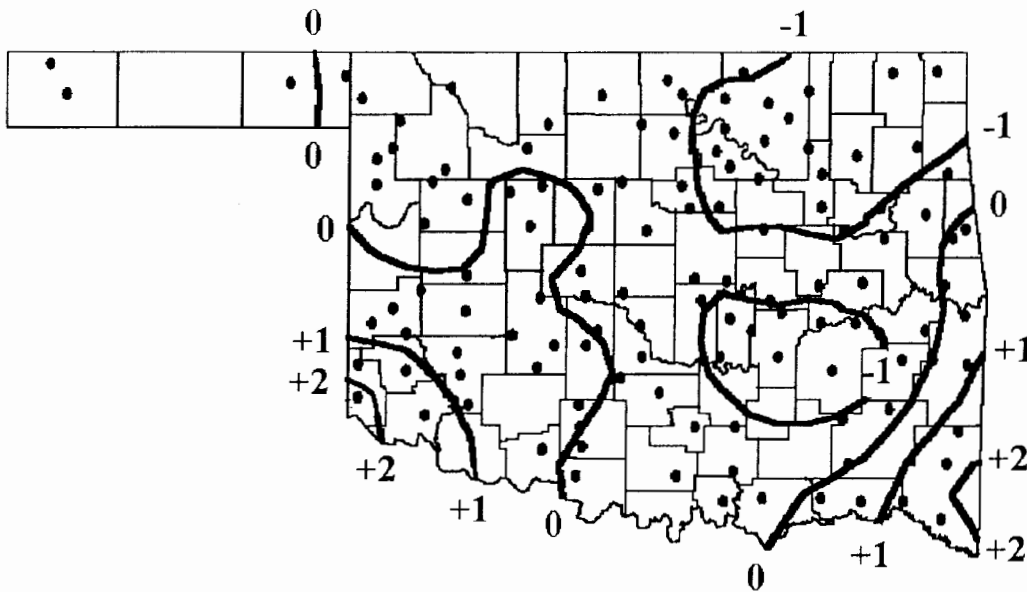
FEBRUARY 1998 AVERAGE MONTHLY TEMPERATURE (°F)



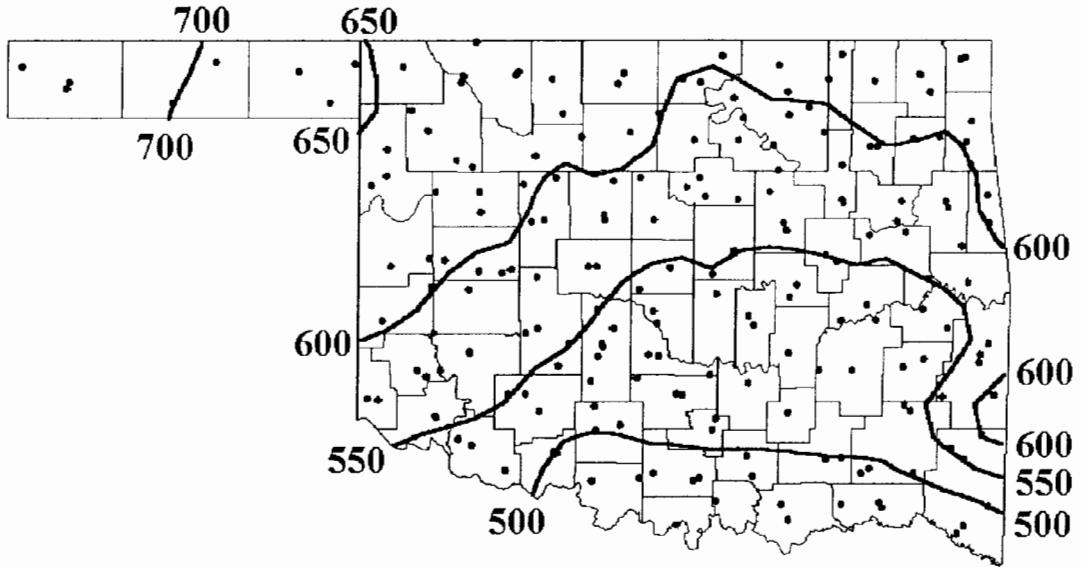
FEBRUARY 1998 DEPARTURE FROM NORMAL TEMPERATURE (°F)



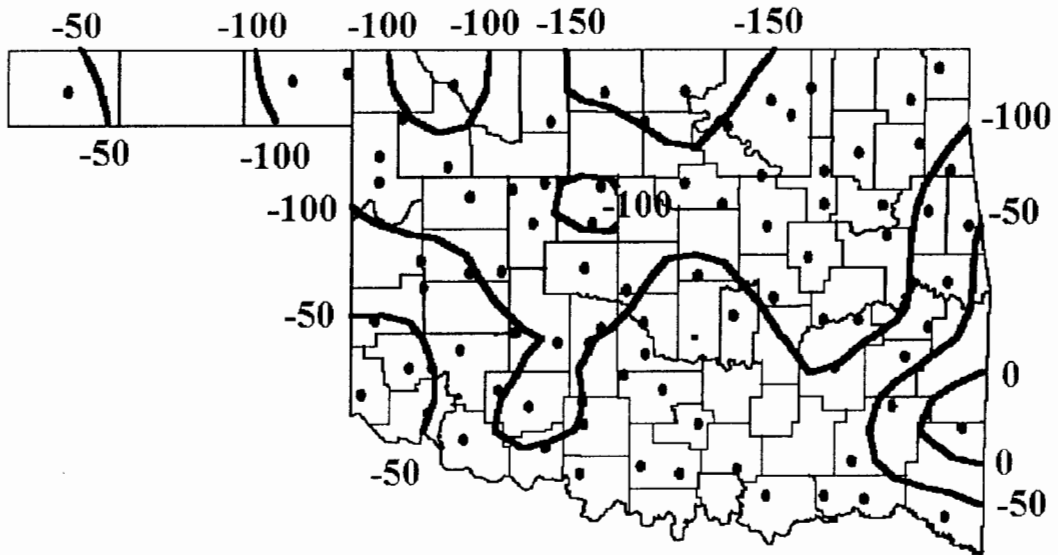
FEBRUARY 1998 TOTAL PRECIPITATION
(INCHES)



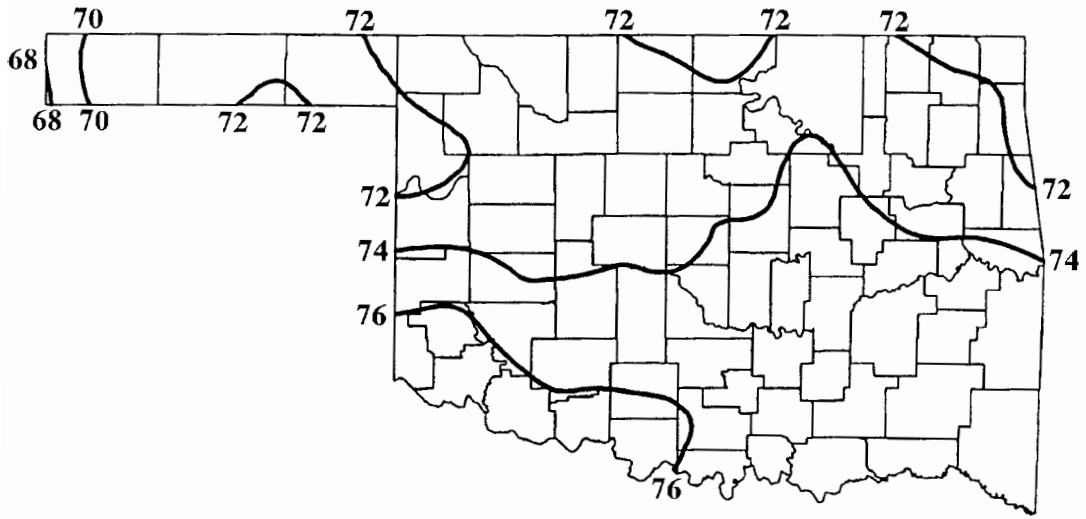
FEBRUARY 1998 DEPARTURE FROM NORMAL PRECIPITATION
(INCHES)



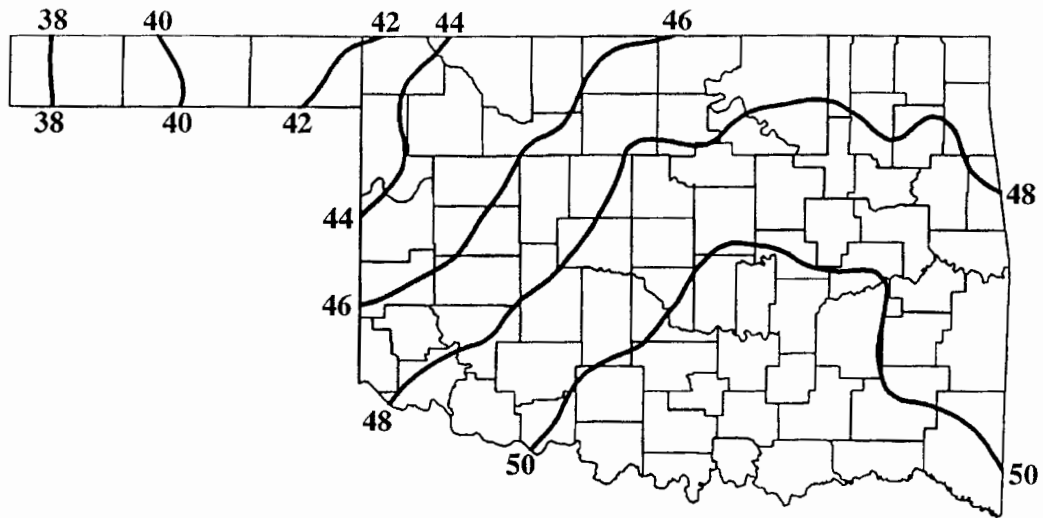
FEBRUARY 1998 ACCUMULATED HEATING DEGREE DAYS
(°F)



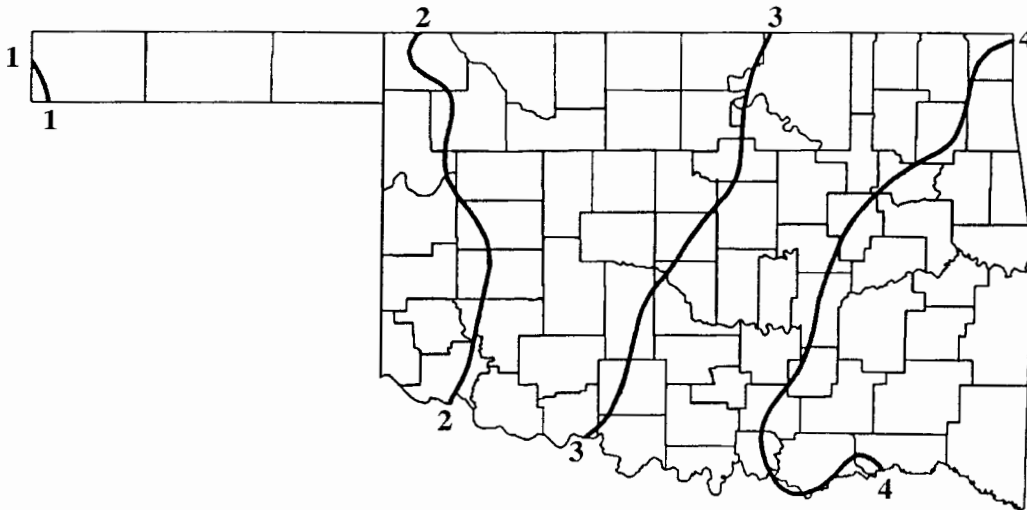
FEBRUARY 1998 DEPARTURE FROM NORMAL HEATING DEGREE DAYS
(°F)



APRIL NORMAL DAILY MAXIMUM TEMPERATURE (°F)



APRIL NORMAL DAILY MINIMUM TEMPERATURE (°F)



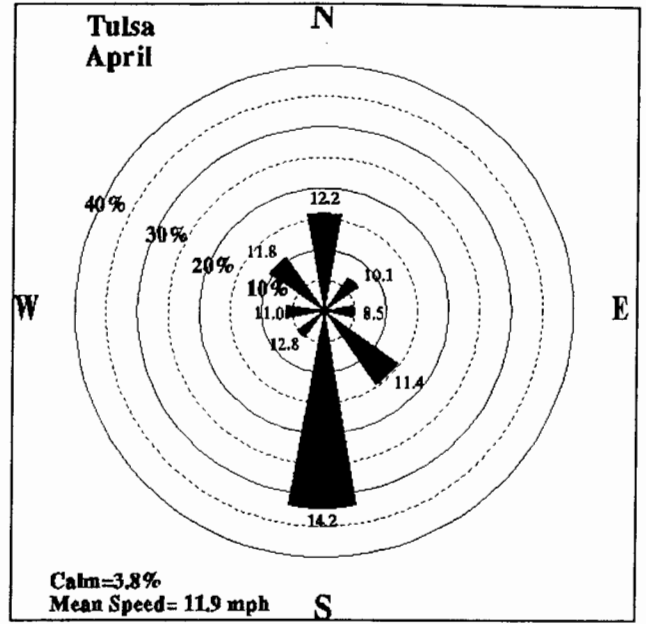
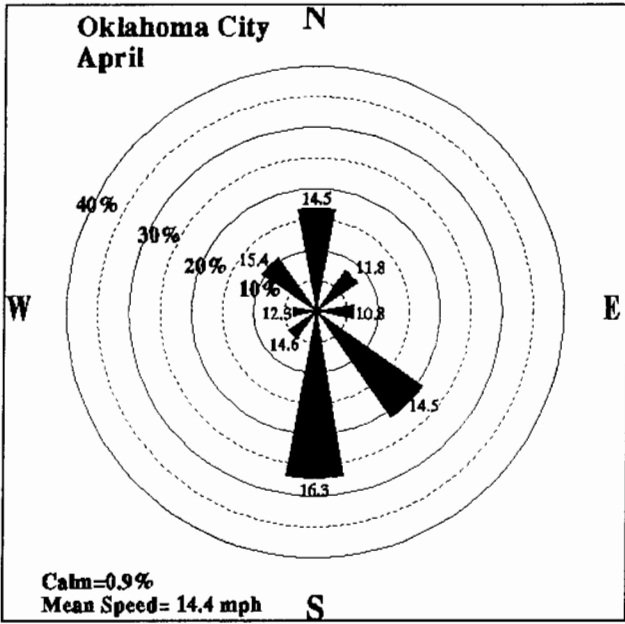
APRIL NORMAL MONTHLY PRECIPITATION (inches)

OUTLOOK FOR APRIL THROUGH JUNE 1998

BASED ON SEASONAL OUTLOOKS PROVIDED BY THE CLIMATE PREDICTION CENTER

TEMPERATURE: Lower Than Normal Statewide

PRECIPITATION: Greater Than Normal Statewide



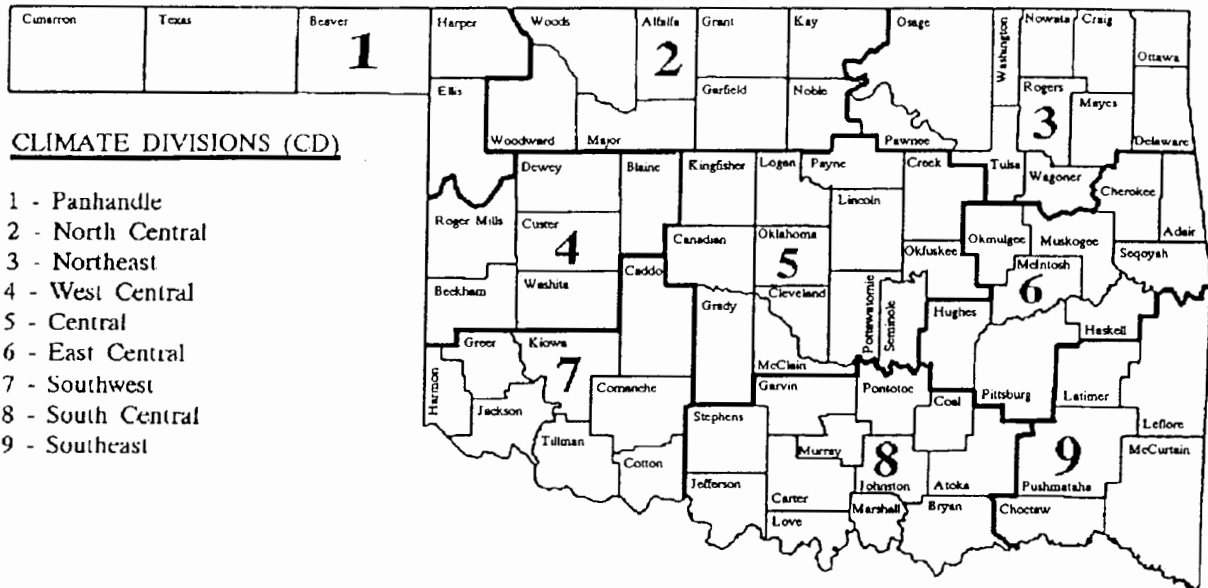
April Wind Roses for Oklahoma City and Tulsa. The frequency (percent) of winds from each direction is represented by length of its bar. The numbers at the ends of the bars indicate the average wind speed from that direction in miles per hour.

SUNRISE/SUNSET TIMES FOR APRIL 1998

OKLAHOMA CITY			
DATE	SUNRISE	SUNSET	DAYLIGHT
98 4 1	6:19AM	6:51PM cst	12 hrs 32 mins
98 4 2	6:17AM	6:51PM cst	12 hrs 34 mins
98 4 3	6:16AM	6:52PM cst	12 hrs 36 mins
98 4 4	6:14AM	6:53PM cst	12 hrs 39 mins
98 4 5	6:13AM	6:54PM cst	12 hrs 41 mins
98 4 6	6:12AM	6:55PM cst	12 hrs 43 mins
98 4 7	6:10AM	6:55PM cst	12 hrs 45 mins
98 4 8	6: 9AM	6:56PM cst	12 hrs 47 mins
98 4 9	6: 7AM	6:57PM cst	12 hrs 50 mins
98 4 10	6: 6AM	6:58PM cst	12 hrs 52 mins
98 4 11	6: 5AM	6:58PM cst	12 hrs 54 mins
98 4 12	6: 3AM	6:59PM cst	12 hrs 56 mins
98 4 13	6: 2AM	7: 0PM cst	12 hrs 58 mins
98 4 14	6: 1AM	7: 1PM cst	13 hrs 0 mins
98 4 15	5:59AM	7: 2PM cst	13 hrs 2 mins
98 4 16	5:58AM	7: 2PM cst	13 hrs 4 mins
98 4 17	5:57AM	7: 3PM cst	13 hrs 7 mins
98 4 18	5:55AM	7: 4PM cst	13 hrs 9 mins
98 4 19	5:54AM	7: 5PM cst	13 hrs 11 mins
98 4 20	5:53AM	7: 6PM cst	13 hrs 13 mins
98 4 21	5:52AM	7: 6PM cst	13 hrs 15 mins
98 4 22	5:50AM	7: 7PM cst	13 hrs 17 mins
98 4 23	5:49AM	7: 8PM cst	13 hrs 19 mins
98 4 24	5:48AM	7: 9PM cst	13 hrs 21 mins
98 4 25	5:47AM	7:10PM cst	13 hrs 23 mins
98 4 26	5:46AM	7:10PM cst	13 hrs 25 mins
98 4 27	5:45AM	7:11PM cst	13 hrs 27 mins
98 4 28	5:44AM	7:12PM cst	13 hrs 28 mins
98 4 29	5:42AM	7:13PM cst	13 hrs 30 mins
98 4 30	5:41AM	7:14PM cst	13 hrs 32 mins

TULSA			
DATE	SUNRISE	SUNSET	DAYLIGHT
98 4 1	6:11AM	6:44PM cst	12 hrs 33 mins
98 4 2	6:10AM	6:45PM cst	12 hrs 35 mins
98 4 3	6: 8AM	6:46PM cst	12 hrs 37 mins
98 4 4	6: 7AM	6:47PM cst	12 hrs 40 mins
98 4 5	6: 6AM	6:47PM cst	12 hrs 42 mins
98 4 6	6: 4AM	6:48PM cst	12 hrs 44 mins
98 4 7	6: 3AM	6:49PM cst	12 hrs 46 mins
98 4 8	6: 1AM	6:50PM cst	12 hrs 49 mins
98 4 9	6: 0AM	6:51PM cst	12 hrs 51 mins
98 4 10	5:59AM	6:52PM cst	12 hrs 53 mins
98 4 11	5:57AM	6:52PM cst	12 hrs 55 mins
98 4 12	5:56AM	6:53PM cst	12 hrs 57 mins
98 4 13	5:54AM	6:54PM cst	13 hrs 0 mins
98 4 14	5:53AM	6:55PM cst	13 hrs 2 mins
98 4 15	5:52AM	6:56PM cst	13 hrs 4 mins
98 4 16	5:50AM	6:57PM cst	13 hrs 6 mins
98 4 17	5:49AM	6:57PM cst	13 hrs 8 mins
98 4 18	5:48AM	6:58PM cst	13 hrs 10 mins
98 4 19	5:46AM	6:59PM cst	13 hrs 13 mins
98 4 20	5:45AM	7: 0PM cst	13 hrs 15 mins
98 4 21	5:44AM	7: 1PM cst	13 hrs 17 mins
98 4 22	5:43AM	7: 1PM cst	13 hrs 19 mins
98 4 23	5:41AM	7: 2PM cst	13 hrs 21 mins
98 4 24	5:40AM	7: 3PM cst	13 hrs 23 mins
98 4 25	5:39AM	7: 4PM cst	13 hrs 25 mins
98 4 26	5:38AM	7: 5PM cst	13 hrs 27 mins
98 4 27	5:37AM	7: 6PM cst	13 hrs 29 mins
98 4 28	5:35AM	7: 6PM cst	13 hrs 31 mins
98 4 29	5:34AM	7: 7PM cst	13 hrs 33 mins
98 4 30	5:33AM	7: 8PM cst	13 hrs 35 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.

APRIL

Normal values are calculated for the period 1961-1990. Extremes are found for the period of record (1891 - present).

<p>Normal 1 Actual</p> <p>46.5 max 26.5 min .02 ppt 29 hdd 0 cdd</p> <p>Highest Max 74-1910 Lowest Max 13-1979 Lowest Min 2-1928 Highest Min 51-1906 Greatest ppt 63-1892</p>	<p>Normal 2 Actual</p> <p>47.1 max 27.4 min .07 ppt 28 hdd 0 cdd</p> <p>Highest Max 70-1864 Lowest Max 13-1911 Lowest Min 2-1911 Highest Min 56-1950 Greatest ppt 10-1-1961</p>	<p>Normal 3 Actual</p> <p>45.6 max 25.0 min .06 ppt 30 hdd 0 cdd</p> <p>Highest Max 71-1839 Lowest Max 10-1919 Lowest Min -9-1911 Highest Min 56-1907 Greatest ppt 103-1908</p>	<p>Normal 4 Actual</p> <p>43.8 max 25.2 min .02 ppt 31 hdd 0 cdd</p> <p>Highest Max 72-1827 Lowest Max 11-1959 Lowest Min -7-1947 Highest Min 60-1955 Greatest ppt 181-1922</p>	<p>Normal 5 Actual</p> <p>46.8 max 26.5 min .05 ppt 28 hdd 0 cdd</p> <p>Highest Max 71-1927 Lowest Max 18-1924 Lowest Min -2-1959 Highest Min 48-1946 Greatest ppt 1-00-1962</p>	<p>Normal 6 Actual</p> <p>47.8 max 25.1 min .02 ppt 29 hdd 0 cdd</p> <p>Highest Max 68-1921 Lowest Max 1-4-1906 Lowest Min -2-1912 Highest Min 52-1907 Greatest ppt 102-1934</p>	<p>Normal 7 Actual</p> <p>44.9 max 24.2 min .01 ppt 30 hdd 0 cdd</p> <p>Highest Max 73-1865 Lowest Max 15-1913 Lowest Min -5-1912 Highest Min 61-1907 Greatest ppt 93-1944</p>	<p>Normal 8 Actual</p> <p>46.9 max 23.5 min .03 ppt 30 hdd 0 cdd</p> <p>Highest Max 71-1923 Lowest Max 11-1987 Lowest Min -4-1988 Highest Min 48-1949 Greatest ppt 1-48-1986</p>	<p>Normal 9 Actual</p> <p>44.8 max 23.5 min .02 ppt 31 hdd 0 cdd</p> <p>Highest Max 70-1902 Lowest Max 9-1977 Lowest Min -2-1977 Highest Min 46-1966 Greatest ppt 67-1907</p>	<p>Normal 10 Actual</p> <p>42.6 max 22.7 min .02 ppt 32 hdd 0 cdd</p> <p>Highest Max 75-1990 Lowest Max 13-1862 Lowest Min -3-1977 Highest Min 47-1928 Greatest ppt 66-1906</p>	<p>Normal 11 Actual</p> <p>44.1 max 22.9 min .01 ppt 32 hdd 0 cdd</p> <p>Highest Max 77-1911 Lowest Max 2-1918 Lowest Min -7-1918 Highest Min 60-1898 Greatest ppt 1-10-1916</p>	<p>Normal 12 Actual</p> <p>46.5 max 25.1 min .03 ppt 30 hdd 0 cdd</p> <p>Highest Max 73-1935 Lowest Max 6-1912 Lowest Min -7-1912 Highest Min 61-1960 Greatest ppt 70-1927</p>	<p>Normal 13 Actual</p> <p>47.0 max 25.3 min .01 ppt 29 hdd 0 cdd</p> <p>Highest Max 74-1906 Lowest Max 11-1905 Lowest Min -4-1916 Highest Min 61-1962 Greatest ppt 79-1992</p>	<p>Normal 14 Actual</p> <p>48.3 max 26.3 min .02 ppt 28 hdd 0 cdd</p> <p>Highest Max 75-1929 Lowest Max 12-1905 Lowest Min -1-1906 Highest Min 60-1929 Greatest ppt 46-1898</p>	<p>Normal 15 Actual</p> <p>49.2 max 25.5 min .02 ppt 28 hdd 0 cdd</p> <p>Highest Max 77-1914 Lowest Max 14-1930 Lowest Min -2-1905 Highest Min 63-1969 Greatest ppt 1-07-1932</p>	<p>Normal 16 Actual</p> <p>46.5 max 25.5 min .04 ppt 29 hdd 0 cdd</p> <p>Highest Max 76-1894 Lowest Max 11-1930 Lowest Min 0-1930 Highest Min 67-1930 Greatest ppt 70-1930</p>	<p>Normal 17 Actual</p> <p>47.6 max 26.1 min .04 ppt 28 hdd 0 cdd</p> <p>Highest Max 73-1894 Lowest Max 8-1930 Lowest Min -9-1930 Highest Min 62-1894 Greatest ppt 1-16-1925</p>	<p>Normal 18 Actual</p> <p>46.4 max 25.7 min .10 ppt 29 hdd 0 cdd</p> <p>Highest Max 74-1931 Lowest Max 8-1892 Lowest Min -8-1930 Highest Min 48-1895 Greatest ppt 1-07-1968</p>	<p>Normal 19 Actual</p> <p>44.1 max 25.1 min .09 ppt 30 hdd 0 cdd</p> <p>Highest Max 75-1914 Lowest Max 12-1902 Lowest Min -1-1-1892 Highest Min 64-1904 Greatest ppt 2-76-1894</p>	<p>Normal 20 Actual</p> <p>45.9 max 25.0 min .02 ppt 30 hdd 0 cdd</p> <p>Highest Max 80-1986 Lowest Max 18-1984 Lowest Min 1-1985 Highest Min 63-1921 Greatest ppt 1-28-1904</p>	<p>Normal 21 Actual</p> <p>45.6 max 26.0 min .08 ppt 29 hdd 0 cdd</p> <p>Highest Max 71-1967 Lowest Max 12-1954 Lowest Min -3-1930 Highest Min 66-1921 Greatest ppt 1-40-1932</p>	<p>Normal 22 Actual</p> <p>75.8 max 52.8 min .14 ppt 4 hdd 3 cdd</p> <p>Highest Max 95-1955 Lowest Max 48-1909 Lowest Min 34-1959 Highest Min 69-1961 Greatest ppt 1-08-1915</p>	<p>Normal 23 Actual</p> <p>75.0 max 52.9 min .08 ppt 4 hdd 8 cdd</p> <p>Highest Max 89-1898 Lowest Max 62-1931 Lowest Min 33-1908 Highest Min 70-1908 Greatest ppt 68-1945</p>	<p>Normal 24 Actual</p> <p>76.7 max 51.9 min .08 ppt 4 hdd 2 cdd</p> <p>Highest Max 89-1801 Lowest Max 62-1947 Lowest Min 36-1936 Highest Min 69-1908 Greatest ppt 1-07-1948</p>	<p>Normal 25 Actual</p> <p>73.9 max 52.6 min .10 ppt 4 hdd 2 cdd</p> <p>Highest Max 91-1939 Lowest Max 61-1919 Lowest Min 36-1910 Highest Min 66-1939 Greatest ppt 2-84-1916</p>	<p>Normal 26 Actual</p> <p>74.0 max 52.9 min .09 ppt 4 hdd 2 cdd</p> <p>Highest Max 92-1896 Lowest Max 60-1919 Lowest Min 36-1907 Highest Min 66-1976 Greatest ppt 1-30-1969</p>	<p>Normal 27 Actual</p> <p>74.8 max 51.3 min .11 ppt 4 hdd 3 cdd</p> <p>Highest Max 91-1959 Lowest Max 67-1979 Lowest Min 36-1920 Highest Min 69-1970 Greatest ppt 1-57-1987</p>	<p>Normal 28 Actual</p> <p>73.2 max 52.2 min .11 ppt 4 hdd 2 cdd</p> <p>Highest Max 89-1902 Lowest Max 60-1922 Lowest Min 37-1979 Highest Min 70-1970 Greatest ppt 1-07-1960</p>	<p>Normal 29 Actual</p> <p>75.0 max 52.7 min .22 ppt 3 hdd 2 cdd</p> <p>Highest Max 92-1936 Lowest Max 62-1906 Lowest Min 34-1908 Highest Min 68-1939 Greatest ppt 2-87-1974</p>	<p>Normal 30 Actual</p> <p>74.2 max 53.3 min .19 ppt 4 hdd 2 cdd</p> <p>Highest Max 83-1948 Lowest Max 60-1907 Lowest Min 32-1907 Highest Min 68-1936 Greatest ppt 2-13-1970</p>
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APRIL AVERAGES

TEMPERATURE : 60.2°F

PRECIPITATION : 2.79"

HEATING DEGREE DAYS : 192

COOLING DEGREE DAYS : 49

TULSA CLIMATE CALENDAR

APRIL

The data on this calendar are for Tulsa. Normal values are calculated for the period 1948-1991. Temperature extremes are for the period 1905-1992; precipitation extremes are for the period 1948-1992.

Normal	1 Actual	Normal	2 Actual	Normal	3 Actual	Normal	4 Actual	Normal	5 Actual	Normal	6 Actual	Normal	7 Actual
46.0 26.0 28 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 47.0 27.0 28 0 78-1810 19-1974 0-1929 54-1997 50-1965	47.0 27.0 28 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 47.0 27.0 28 0 78-1997 25-1979 2-1911 55-1997 60-1951	46.0 24.0 30 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 46.0 24.0 30 0 76-1997 14-1959 -2-1919 58-1997 1-12-1971	44.0 25.0 30 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 44.0 25.0 30 0 70-1956 12-1956 -8-1947 63-1955 82-1963	45.0 25.0 30 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 45.0 25.0 30 0 79-1964 19-1987 -7-1947 48-1992 50-1962	47.0 25.0 29 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 46.0 25.0 29 0 69-1907 20-1979 0-1912 47-1965 61-1988	48.0 27.0 29 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 44.0 24.0 31 0 77-1995 15-1998 -5-1912 48-1965 1-7-1973
47.0 24.0 29 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 47.0 24.0 29 0 71-1923 17-1970 -5-1988 46-1964 79-1987	44.0 24.0 31 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 44.0 24.0 31 0 69-1909 10-1977 0-1977 46-1990 67-1977	42.0 22.0 33 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 42.0 22.0 33 0 76-1990 13-1982 -5-1977 45-1960 30-1949	44.0 25.0 30 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 44.0 25.0 30 0 80-1911 21-1973 -6-1977 43-1960 17-1949	45.0 25.0 30 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 45.0 25.0 30 0 79-1960 11-1963 -13-1918 67-1960 42-1960	47.0 25.0 29 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 47.0 25.0 29 0 75-1907 23-1982 -12-1911 61-1959 41-1951	48.0 27.0 27 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 48.0 27.0 27 0 75-1952 13-1979 -4-1916 51-1963 54-1961
48.0 25.0 28 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 48.0 25.0 28 0 69-1990 18-1972 0-1905 53-1960 76-1949	44.0 24.0 31 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 44.0 24.0 31 0 78-1938 16-1977 1-1930 59-1990 66-1990	44.0 25.0 30 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 44.0 25.0 30 0 73-1952 11-1978 -3-1939 55-1973 45-1994	44.0 25.0 30 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 44.0 25.0 30 0 73-1951 13-1970 -14-1930 48-1972 88-1968	43.0 25.0 30 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 43.0 25.0 30 0 75-1951 14-1970 -5-1943 48-1954 1-85-1950	44.0 25.0 30 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 44.0 25.0 30 0 77-1986 15-1984 -3-1986 45-1973 61-1968	45.0 25.0 29 0 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 45.0 25.0 29 0 75-1957 16-1970 -1-1918 57-1957 56-1973
76.0 53.0 16 3 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 76.0 53.0 16 3 91-1965 52-1984 92-1931 69-1961 1-39-1905	76.0 54.0 11 3 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 76.0 54.0 11 3 93-1956 57-1956 98-1999 69-1999 3-22-1963	76.0 53.0 11 3 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 76.0 53.0 11 3 91-1975 58-1963 37-1909 71-1968 20-1979	75.0 54.0 11 3 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 75.0 54.0 11 3 89-1939 57-1967 36-1910 66-1984 1-14-1950	75.0 54.0 10 3 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 75.0 54.0 10 3 91-1987 55-1989 35-1910 70-1976 76-1990	76.0 54.0 13 3 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 76.0 54.0 13 3 92-1986 61-1979 36-1920 70-1989 1-06-1996	74.0 53.0 12 2 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 74.0 53.0 12 2 88-1970 53-1992 37-1965 71-1970 1-05-1950
76.0 54.0 11 2 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 76.0 54.0 11 2 92-1987 67-1971 50-1999 65-1966 1-70-1974	75.0 53.0 11 3 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	Actual 75.0 53.0 11 3 91-1987 66-1990 56-1997 69-1987 3-00-1970	<p style="text-align: center;">APRIL AVERAGES</p> <p>TEMPERATURE : 61.0°F</p> <p>PRECIPITATION : 3.63"</p> <p>HEATING DEGREE DAYS : 174</p> <p>COOLING DEGREE DAYS : 56</p>									