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OKLAHOMA REVISED MONTHLY SUMMARY DECEMBER 1997

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MONTHLY SUMMARY FOR DECEMBER 1997

Largely as a result of a series of winter storms that produced snow in the northwest and lots of rain, some of it freezing, elsewhere, December 1997 turned out to be significantly wetter and cooler than normal. According to preliminary data from the National Weather Service's cooperative observing network, the statewide-averaged precipitation reached 3.97 inches, a robust 2.31 inches greater than normal, to rank this as the 9th wettest December since the beginning of the historical record in 1892. The accompanying temperature record produced a state-averaged temperature of 38.3 degrees, 1.2 degrees lower than normal and the 28th lowest December temperature on record. The December statistics contributed to a 1997 annual statewide-averaged precipitation of 39.75 (5.51 inches greater than normal, the 17th wettest year on record) and temperature of 59.2 degrees (1.1 degrees lower than normal, 14th lowest all-time annual temperature).

Showers were commonplace around the state over the first half of the month. Two-to-four-inch snowfalls were reported in the Panhandle on the 2nd and 3rd. A significant intrusion of cold air on the 6th produced a 7 degree overnight low temperature at Fort Supply Dam (Woodward County). Large hail and damaging thunderstorm winds were reported in Craig and Delaware counties and strong winds damaged a building in Wewoka (Seminole) on the 8th. Snow covered much of northwestern Oklahoma on the 10th. Guymon (Texas) received over 5 inches of snow while Gate (Beaver) and Laverne (Harper) each reported over 3 inches by the morning of the 11th.

The approach of a major storm system was first noticed in the state on the 20th when strong winds dominated western Oklahoma (winds at the Weatherford Mesonet site in Custer County averaged 24.7 miles per hour for the day) and snow and freezing rain fell in the state's western counties. An ice storm in Roger Mills County led to a power outage that affected over 4,000 people in west central Oklahoma. The storm reached maturity late on the 20th, dumping more than a foot of snow on several Panhandle locations by the morning of the 24th, including 18 inches at Range (Texas), 17 inches at Beaver (Beaver County), 15 inches each at Boise City (Cimarron) and Turpin (Beaver), 14 inches at Laverne, and 13 inches at Gate. Lesser snowfall amounts were reported over most of the northwestern half of the state and daily rainfall amounts of over 3 inches were reported at Boswell (Choctaw), Tuskahoma (Pushmataha), Daisy (Atoka), Durant Mesonet (Bryan), and Bokchito (Bryan), as rain was commonplace over the rest of the state.

Temperatures plunged in the northwest and the snow cover helped Kenton (Cimarron) reach a low of 4 degrees on the 26th. A lesser snow storm crossed the southern third of the state on the 26th, producing four inches of snow at Hennepin (Garvin) and generally one to three inches elsewhere. Strong winds exacerbated the cold in the west on the 28th (25.2 mile-per-hour daily average at Cheyenne Mesonet in Roger Mills County) and led to significant blowing snow in the Panhandle where Mesonet sites near Kenton and Boise City Mesonet noted peak winds of 57 and 53 miles per hour, respectively.

Howard L. Johnson

EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION DECEMBER, 1997

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	69	16	BEAVER	4	26	KENTON	1.78	24	LAVERNE	3.46	LAVERNE
	69	15	BUFFALO								
	69	16	GOODWELL								
	69	15	GUYMON								
	69	16	GUYMON								
2	68	16	FREEDOM	7	6	FT SUPPLY	2.13	7	PONCA CITY	5.33	PONCA CITY
3	69	20	CLAREMORE	15	13	BARNSDALL	2.04	24	SKIATOOK	5.52	LENAPAH
	69	19	MANNFORD								
	69	19	TULSA								
	69	19	UPPER SPAV								
	69	18	WAGONER								
4	67	16	CLINTON	12	13	REYDON	1.80	24	OKEENE	3.86	OKEENE
	67	16	ERICK				1.80	24	WATONGA		
5	71	19	BRISTOW	13	13	PURCELL	2.00	24	PURCELL	5.27	PURCELL
	71	20	CHANDLER	13	14	PURCELL					
	71	19	CHICKASHA								
	71	19	OKEMAH								
6	71	19	HANNA	17	13	OKMULGEE	3.20	24	STILWELL	7.21	STILWELL
	71	19	MCCURTAIN	17	14	OKMULGEE					
	71	20	OKMULGEE								
	71	20	WEBBERS FALL								
7	71	20	CHATTANOOGA	15	13	ALTUS DAM	2.57	30	VINSON	4.76	VINSON
8	72	1	ATOKA DAM	13	13	MARLOW	3.08	21	DAISY	8.20	DURANT
	72	1	WAURIKA DAM								
9	73	3	BEAR MT	15	6	PAGE	3.17	21	BOSWELL	7.35	BATTIEST

TABLE OF 1997/1998 COMPARISONS

	MARCH Temperature (°F)		MARCH Precipitation (in.)	
Station	**1998**	**1997**	**1998**	**1997**
Arnett	36.0	33.4	0.72	1.45
Mutual	****	34.7	****	1.47
Tulsa	42.0	39.3	0.10	1.60
Elk City	42.5	37.2	0.77	2.77
Oklahoma City	42.2	39.1	0.001	0.62
McAlester	44.7	42.1	0.31	1.01
Altus Irr Station	45.2	39.1	0.22	1.24
Ardmore	****	42.5	****	1.94
Idabel	45.2	41.8	3.53	2.00

EXTREMES

VARIABLE	STATION	DIVISION	OBSERVATION	DATE
Minimum temperature (°F)	Kenton	1	4	26
Maximum temperature (°F)	Bear Mt.	9	73	3
Maximum 24-hour precipitation	Stilwell	6	3.20	30

DECEMBER 1997 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	33.4	31	-2	65	19	13	13	979	61	0	0	2.762	31	1.99	1.45	24
BEAVER	593	1	31.9	31	-2.1	69	16	10	28	1027	66	0	0	3.010	31	2.42	1.08	24
BOISE CITY	908	1	32.5	31	-3.2	64	18	9	27	1008	100	0	0	2.213	31	1.83	1.10	23
BUFFALO	1243	1	35.0	31	-2.1	69	15	13	26	930	65	0	0	0.500	31	-0.30	0.30	21
FARGO	3070	1	*****	0 *	****	****	0	****	0	******	******	******	******	1.452	31	0.68	0.54	23
GAGE	3407	1	34.0	24 *	****	67	15	12	5	743	******	0	******	0.594	27	*****	0.48	21
GATE	3489	1	33.5	31	-1.5	67	16	15	28	976	46	0	0	3.081	31	2.38	1.37	24
GOODWELL	3628	1	33.1	31	-0.8	69	16	12	26	989	25	0	0	0.311	31	0.03	0.21	21
GUYMON	3835	1	32.9	31 *	****	69	16	12	26	994	******	0	******	0.540	31	*****	0.25	23
HOOKER	4298	1	32.4	31	-2.6	67	16	11	28	1012	82	0	0	1.260	31	0.85	1.00	24
KENTON	4766	1	33.7	29 *	****	65	15	4	26	908	******	0	******	1.373	31	1.07	0.74	23
LAVERNE	5045	1	*****	0 *	****	****	0	****	0	******	******	******	******	3.464	31	2.73	1.78	24
RANGE	7412	1	*****	0 *	****	****	0	****	0	******	******	******	******	0.366	28	*****	0.33	3
REGNIER	7534	1	*****	0 *	****	****	0	****	0	******	******	******	******	1.261	31	0.93	0.64	23
TURPIN	9017	1	31.2	18 *	****	66	16	6	29	608	******	0	******	0.260	18	*****	0.08	24

DECEMBER 1997 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	36.1	31 *	****	65	16	18	12	897	******	0	******	3.500	30	*****	1.70	24
VANCE AFB	302	2	*****	0 *	****	****	0	****	0	******	******	******	******	2.202	25	*****	1.19	23
BILLINGS	755	2	36.4	31	0.4	63	19	19	14	886	-13	0	0	3.792	31	2.42	1.10	24
BLACKWELL 2E	818	2	36.4	31	-0.1	63	19	19	14	887	3	0	0	3.382	31	2.03	1.08	24
BRAMAN	1075	2	*****	0 *	****	****	0	****	0	******	******	******	******	3.130	31	*****	1.14	24
CEDARDALE	1620	2	*****	0 *	****	****	0	****	0	******	******	******	******	2.656	31	*****	1.03	21
CHEROKEE	1724	2	35.9	31	-1.4	66	1	20	12	904	45	0	0	3.051	31	1.92	1.20	24
ENID	2912	2	36.7	31	-1.3	62	15	20	5	878	41	0	0	3.290	31	2.15	1.40	24
FT SUPPLY	3304	2	32.1	31	-2.6	66	20	7	6	1019	80	0	0	3.256	31	2.54	1.79	24
FREEDOM	3358	2	33.6	31	-2.8	68	16	11	7	973	86	0	0	3.290	31	2.48	1.88	23
HARDY	3909	2	*****	0 *	****	****	0	****	0	******	******	******	******	3.301	31	*****	1.28	24
HELENA	4019	2	37.0	31	1.9	63	16	20	6	867	-60	0	0	3.664	31	2.68	1.58	24
JEFFERSON	4573	2	38.1	31	1.1	63	15	18	6	833	-36	0	0	3.383	31	2.19	1.44	23
LAMONT	5013	2	*****	0 *	****	****	0	****	0	******	******	******	******	3.230	31	*****	1.10	24
MEDFORD	5768	2	*****	0 *	****	****	0	****	0	******	******	******	******	3.372	31	*****	1.37	23
MORRISON	6065	2	*****	0 *	****	****	0	****	0	******	******	******	******	3.342	31	*****	1.10	24
MUTUAL	6139	2	34.7	31	-0.8	63	16	16	13	940	25	0	0	3.040	31	2.30	1.47	24
NEWKIRK	6278	2	35.7	31	-0.9	62	19	17	7	910	30	0	0	3.472	31	2.04	1.12	24
ORIENTA	6751	2	*****	0 *	****	****	0	****	0	******	******	******	******	2.910	31	2.10	1.30	24
PERRY	7012	2	38.1	31	-0.7	66	20	20	6	833	21	0	0	3.811	31	2.48	1.30	24
PONCA CITY	7201	2	39.5	29 *	****	67	18	21	13	739	******	0	******	5.333	29	*****	2.13	7
RED ROCK	7505	2	*****	0 *	****	****	0	****	0	******	******	******	******	3.660	31	2.32	1.25	24
WAYNOKA	9404	2	35.5	24 *	****	67	15	15	5	709	******	0	******	1.350	24	*****	0.85	20
WOODWARD	9760	2	*****	0 *	****	****	0	****	0	******	******	******	******	3.335	31	2.50	1.25	24

DECEMBER 1997 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	******	******	******	******	3.540	31	*****	1.46	24
ARCADIA	288	5	*****	0 *	****	****	0	****	0	******	******	******	******	3.530	31	*****	1.50	24
BLANCHARD	830	5	40.1	31	-1.2	69	19	19	6	771	36	0	0	3.743	31	2.15	1.68	24
BRISTOW	1144	5	40.4	31	0.3	71	19	16	13	762	-10	0	0	4.385	31	2.32	1.70	24
CHANDLER	1684	5	39.6	31	-0.8	71	20	17	13	787	24	0	0	4.061	31	2.53	1.86	24
CHICKASHA EX	P 1750	5	40.8	31	0.3	71	19	16	13	750	-10	0	0	3.570	31	2.31	1.83	24
COX CITY	2196	5	*****	0 *	****	****	0	****	0	******	******	******	******	5.210	31	*****	1.48	21
CRESCENT	2242	5	*****	0 *	****	****	0	****	0	******	******	******	******	3.740	31	*****	1.60	23
CUSHING	2318	5	38.5	31	0.3	68	20	17	6	820	-11	0	0	4.160	31	2.63	1.75	24
EDMOND	2788	5	*****	0 *	****	****	0	****	0	******	******	******	******	4.022	31	*****	1.64	23
EL RENO	2818	5	41.5	31	2.7	69	1	23	13	730	-83	0	0	3.380	31	2.34	1.30	24
GUTHRIE	3821	5	37.2	31	-2.7	66	19	14	13	863	85	0	0	4.492	31	2.99	1.60	24
HENNESSEY	4055	5	37.5	31	-0.6	61	18	18	5	854	20	0	0	3.320	31	2.28	1.22	24
INGALLS	4489	5	*****	0 *	****	****	0	****	0	******	******	******	******	3.620	29	*****	1.90	24
KINGFISHER	4861	5	37.9	31	-1.2	64	20	17	13	840	37	0	0	3.360	31	2.17	1.43	24
KONAWA	4915	5	*****	0 *	****	****	0	****	0	******	******	******	******	3.640	31	1.76	1.40	21
MARSHALL	5589	5	*****	0 *	****	****	0	****	0	******	******	******	******	2.522	31	1.37	1.15	24
MEEKER	5779	5	40.0	31	-0.2	70	19	17	13	775	6	0	0	4.040	31	2.62	1.85	23
MULHALL	6110	5	*****	0 *	****	****	0	****	0	******	******	******	******	3.880	31	*****	1.72	24
NORMAN NWS	6386	5	38.5	31	-2.5	69	19	16	13	820	76	0	0	4.135	31	2.56	1.72	23
OKEMAH	6638	5	42.8	31	2	71	19	23	6	689	-62	0	0	4.340	31	2.34	1.70	24
OKLAHOMA CTY	F.6659	5	*****	0 *	****	****	0	****	0	******	******	******	******	2.806	25	*****	1.45	24
OKLAHOMA CTY	6661	5	39.1	31	-0.2	67	19	16	13	803	6	0	0	2.017	31	0.62	1.00	23
PRAGUE	7264	5	*****	0 *	****	****	0	****	0	******	******	******	******	4.152	31	2.33	1.72	24
PERKINS	7003	5	*****	0 *	****	****	0	****	0	******	******	******	******	3.910	31	2.38	1.58	24
PIEDMONT	7068	5	*****	0 *	****	****	0	****	0	******	******	******	******	3.890	31	*****	1.65	23
PURCELL	7327	5	37.9	30	-2.6	69	20	13	14	813	53	0	0	5.270	30	*****	2.00	24
SEMINOLE	8042	5	39.7	31	-2.3	69	19	18	13	786	73	0	0	3.960	31	2.14	1.46	23
SHAWNEE	8110	5	*****	0 *	****	****	0	****	0	******	******	******	******	4.281	31	2.40	1.73	24
STELLA	8479	5	*****	0 *	****	****	0	****	0	******	******	******	******	4.062	31	*****	1.87	24
STILLWATER	8501	5	39.0	31	1.6	65	19	19	13	807	-49	0	0	2.343	31	1.04	1.11	22
STROUD	8563	5	*****	0 *	****	****	0	****	0	******	******	******	******	3.821	31	*****	1.51	24
TECUMSEH	8751	5	*****	0 *	****	****	0	****	0	******	******	******	******	4.340	31	*****	1.85	24
TROUSDALE	8960	5	*****	0 *	****	****	0	****	0	******	******	******	******	4.521	25	*****	1.70	24
UNION CITY	9086	5	*****	0 *	****	****	0	****	0	******	******	******	******	4.031	31	2.68	1.46	24
WELTY	9479	5	*****	0 *	****	****	0	****	0	******	******	******	******	4.331	31	*****	1.54	24
WEWOKA	9575	5	*****	0 *	****	****	0	****	0	******	******	******	******	4.761	31	2.86	1.73	24

DECEMBER 1997 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

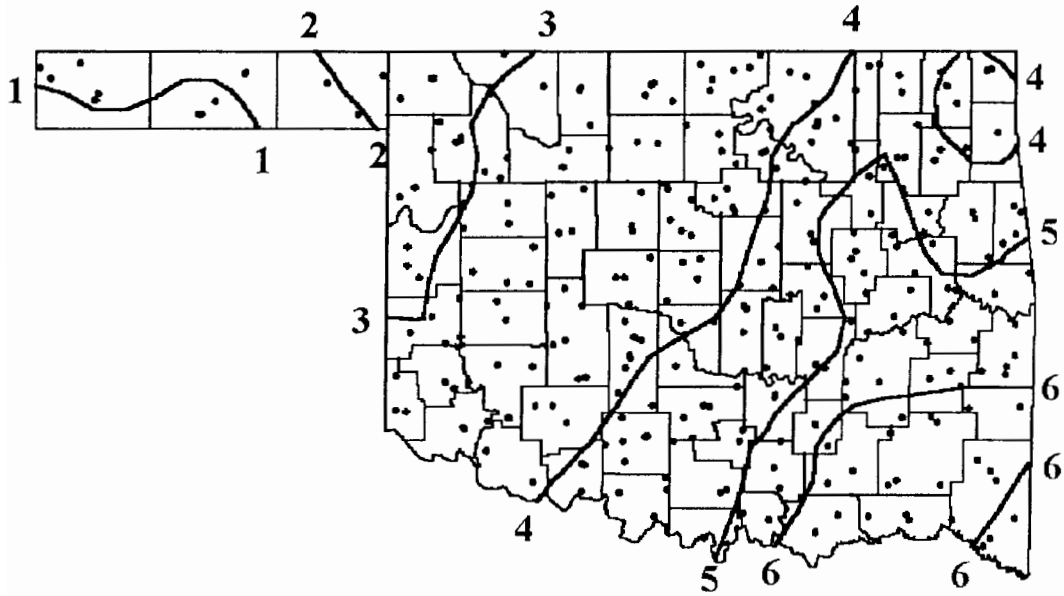
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ASHLAND	364	6	*****	0 *	****	****	0	****	0	******	******	******	******	6.273	31	*****	2.15	24
BEGGS	631	6	*****	0 *	****	****	0	****	0	******	******	******	******	4.891	31	*****	1.97	24
CALVIN	1391	6	*****	0 *	****	****	0	****	0	******	******	******	******	3.760	31	1.57	1.72	24
CHECOTAH	1711	6	*****	0 *	****	****	0	****	0	******	******	******	******	5.520	31	3.07	2.45	24
CLAYTON	1858	6	*****	0 *	****	****	0	****	0	******	******	******	******	6.310	31	*****	2.60	21
DEWAR	2485	6	*****	0 *	****	****	0	****	0	******	******	******	******	5.445	31	3.36	1.96	24
DUSTIN	2690	6	*****	0 *	****	****	0	****	0	******	******	******	******	5.392	31	*****	2.17	24
EUFAULA	2993	6	41.5	31	-1.4	69	19	24	6	727	42	0	0	4.940	31	2.24	2.25	24
HANNA	3884	6	40.3	31	-1.2	71	19	19	13	767	38	0	0	5.511	31	3.07	2.15	24
HASKELL	3956	6	*****	0 *	****	****	0	****	0	******	******	******	******	5.110	31	2.83	2.26	24
LAKE EUFAULA	4975	6	39.8	23 *	****	65	20	22	7	581	******	0	******	1.611	23	*****	0.81	8
LYONS	5437	6	*****	0 *	****	****	0	****	0	******	******	******	******	4.381	31	1.63	1.22	21
MARBLE CITY	5546	6	*****	0 *	****	****	0	****	0	******	******	******	******	4.950	31	*****	1.52	21
MCALESTER	5664	6	42.1	27 *	****	70	19	19	6	619	******	0	******	2.943	29	*****	1.01	23
MCCURTAIN	5693	6	42.2	31	-0.3	71	19	23	5	706	8	0	0	5.493	31	2.67	1.90	21
MUSKOGEE	6130	6	40.4	31	-0.2	69	19	20	6	763	7	0	0	4.090	31	1.19	1.12	23
OKMULGEE	6670	6	39.5	27 *	****	71	20	17	14	690	******	0	******	5.090	28	*****	1.87	23
OKTAHA	6678	6	*****	0 *	****	****	0	****	0	******	******	******	******	5.220	31	*****	2.21	24
QUINTON	7372	6	*****	0 *	****	****	0	****	0	******	******	******	******	5.461	31	2.82	2.00	23
SALLISAW	7862	6	39.3	31	-2	68	20	22	7	798	63	0	0	4.880	31	2.07	1.33	24
SCIPIO	7979	6	*****	0 *	****	****	0	****	0	******	******	******	******	5.480	31	*****	1.90	24
SCRAPER	7993	6	*****	0 *	****	****	0	****	0	******	******	******	******	******	0	*****	*****	0
SHORT	8170	6	*****	0 *	****	****	0	****	0	******	******	******	******	5.320	31	*****	1.24	8
STILWELL	8506	6	37.3	31	-2.7	66	19	18	6	860	85	0	0	7.211	31	4.05	3.20	24
TAHLEQUAH	8677	6	39.2	31	-0.5	70	19	20	31	800	16	0	0	4.281	31	1.28	1.35	24
WEBBERS FALL	9445	6	40.0	31	0.6	71	20	19	7	776	-19	0	0	5.150	31	2.44	1.97	24
WESTVILLE	9523	6	*****	0 *	****	****	0	****	0	******	******	******	******	3.590	31	*****	1.14	25
WETUMKA	9571	6	*****	0 *	****	****	0	****	0	******	******	******	******	3.923	30	*****	1.51	24

DECEMBER 1997 SUMMARY FOR SOUTHEAST DIVISION (CD9)

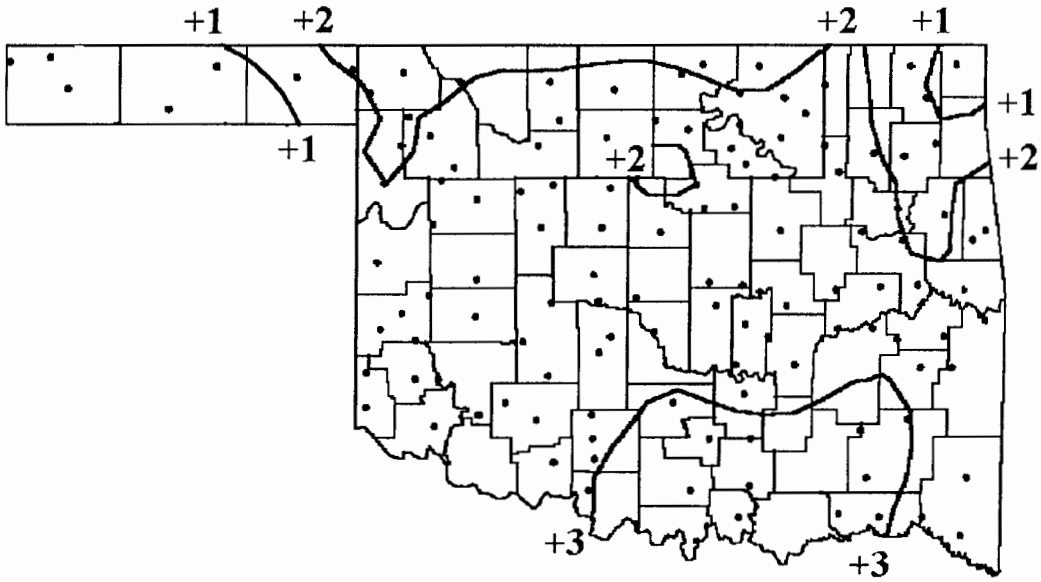
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	41.8	31	-1.3	66	19	24	18	719	40	0	0	6.480	31	3.60	1.65	20
BATTIEST	567	9	38.5	31 *	****	64	20	21	28	823	******	0	******	7.350	31	*****	2.60	21
BEAR MT	584	9	45.3	14 *	****	73	3	22	8	276	******	0	******	3.890	16	*****	1.50	8
BENGAL	670	9	*****	0 *	****	****	0	****	0	******	******	******	******	6.290	31	*****	2.44	21
BOSWELL	980	9	41.7	31	-2.1	65	20	24	6	722	65	0	0	7.010	31	4.23	3.17	21
BROKEN BOW	1162	9	*****	0 *	****	****	0	****	0	******	******	******	******	6.320	25	*****	1.67	23
CARNASAW	1499	9	*****	0 *	****	****	0	****	0	******	******	******	******	5.402	31	1.29	1.73	24
CARTER TWR	1544	9	*****	0 *	****	****	0	****	0	******	******	******	******	6.080	31	1.96	2.10	20
FANSHAWE	3065	9	*****	0 *	****	****	0	****	0	******	******	******	******	0.000	31	-3.21	0.00	31
HUGO	4384	9	42.1	31	-2.7	67	19	24	5	709	83	0	0	5.630	31	2.31	2.30	20
IDABEL	4451	9	41.2	31	-2.1	69	20	21	7	737	64	0	0	6.172	31	2.49	2.00	21
PAGE	6842	9	38.0	31 *	****	64	20	15	6	839	******	0	******	6.100	31	*****	2.32	24
POTEAU	7254	9	40.0	31 *	****	68	19	20	5	775	******	0	******	5.940	31	*****	2.18	23
SPIRO	8416	9	*****	0 *	****	****	0	****	0	******	******	******	******	6.080	31	3.02	1.96	21
SMITHVILLE	8285	9	39.2	29 *	****	64	20	20	18	749	******	0	******	7.058	29	*****	2.55	21
VALLIANT	9118	9	*****	0 *	****	****	0	****	0	******	******	******	******	6.950	31	3.24	2.31	21
TUSKAHOMA	9023	9	40.4	30	-2.8	69	19	19	7	737	61	0	0	5.973	31	3.15	3.15	21
WILBURTON	9634	9	40.2	31	-1.6	70	19	20	6	769	50	0	0	6.180	31	3.19	2.20	20
WISTER	9724	9	41.8	31 *	****	69	20	23	18	721	******	0	******	5.750	31	*****	2.12	24

DECEMBER 1997 CLIMATE DIVISION SUMMARY

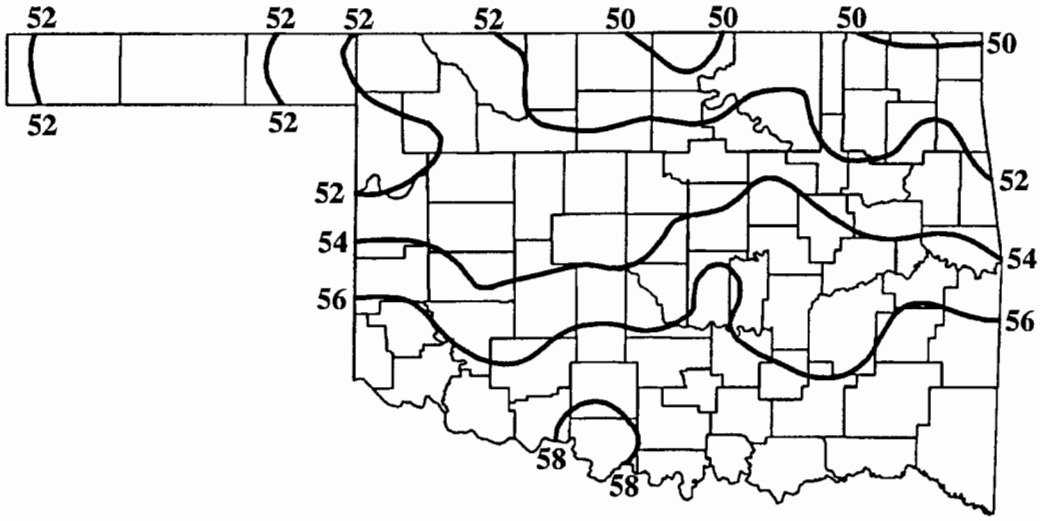
CD	MEAN TEMP	NUM STA	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAYS	DEV FROM NORM	COOL DEG DAYS	DEV FROM NORM	TOT PPT	NUM STA	DEV FROM NORM	MAX 24-HR	DAY
1	33.1	8	-2.1	69	16	4	26	989	64.2	0	0	1.77	12	1.21	1.78	24
2	35.9	12	-0.7	68	16	7	6	901.9	21.9	0	0	3.32	20	2.23	2.13	7
3	38.5	14	0.1	69	20	15	13	815.9	-10.2	0	0	4.03	24	2.04	2.04	24
4	37.5	9	-0.6	67	16	12	13	849.5	14.6	0	0	3.16	17	2.34	1.8	24
5	39.4	16	-0.6	71	19	13	14	791.6	16	0	0	3.85	33	2.3	2	24
6	40	8	-0.8	71	20	17	14	774.4	25.6	0	0	5.16	23	2.58	3.2	24
7	39.1	11	-1.3	71	20	15	13	794.5	34.5	0	0	3.4	18	2.38	2.57	30
8	40.3	9	-2.1	72	1	13	13	766.1	65.6	0	0	5.21	23	3.31	3.08	21
9	40.6	10	-2.7	73	3	15	6	754.8	81.3	0	0	5.84	16	2.32	3.17	21



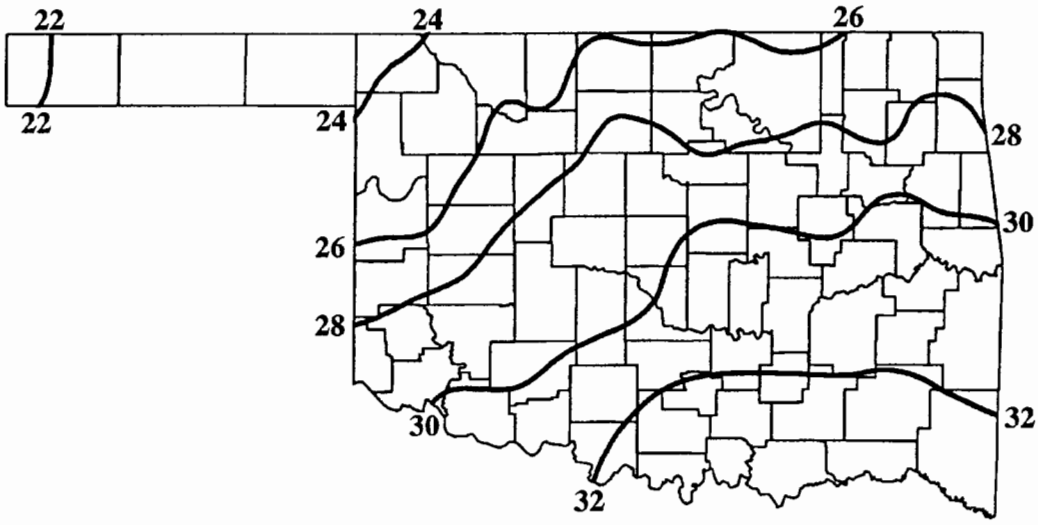
DECEMBER 1997 TOTAL PRECIPITATION
(INCHES)



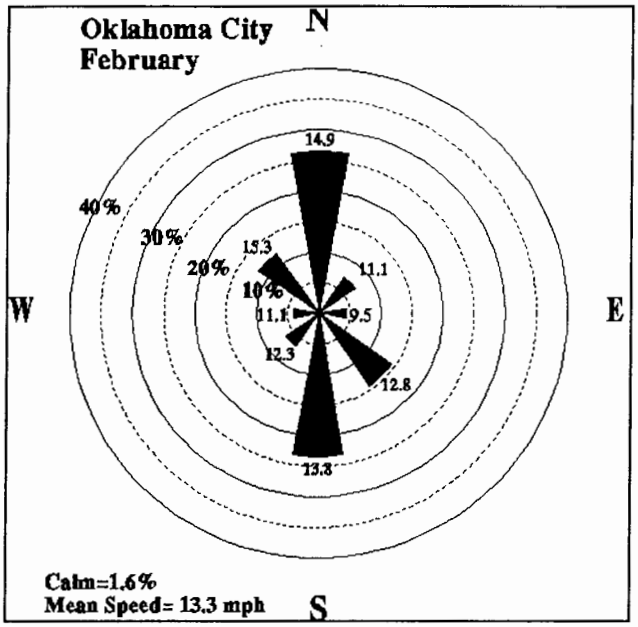
DECEMBER 1997 DEPARTURE FROM NORMAL PRECIPITATION
(INCHES)

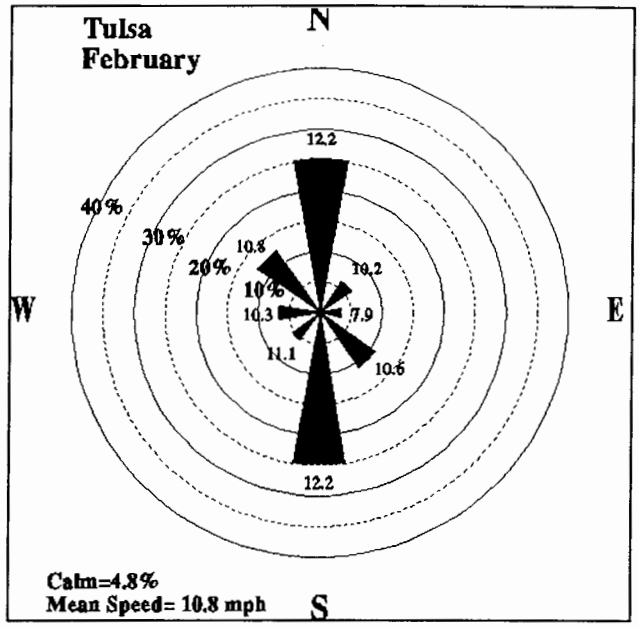


FEBRUARY NORMAL DAILY MAXIMUM TEMPERATURE (°F)



FEBRUARY NORMAL DAILY MINIMUM TEMPERATURE (°F)





February 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 FEBRUARY 1998

OKLAHOMA CITY

DATE	SUNRISE	SUNSET	DAYLIGHT
98 2 1	7:30AM	5:58PM cst	10 hrs 28 mins
98 2 2	7:29AM	5:59PM cst	10 hrs 29 mins
98 2 3	7:28AM	6: 0PM cst	10 hrs 31 mins
98 2 4	7:28AM	6: 1PM cst	10 hrs 33 mins
98 2 5	7:27AM	6: 2PM cst	10 hrs 35 mins
98 2 6	7:26AM	6: 3PM cst	10 hrs 36 mins
98 2 7	7:25AM	6: 4PM cst	10 hrs 38 mins
98 2 8	7:24AM	6: 5PM cst	10 hrs 40 mins
98 2 9	7:24AM	6: 6PM cst	10 hrs 42 mins
98 210	7:23AM	6: 7PM cst	10 hrs 44 mins
98 211	7:22AM	6: 8PM cst	10 hrs 46 mins
98 212	7:21AM	6: 9PM cst	10 hrs 48 mins
98 213	7:20AM	6:10PM cst	10 hrs 50 mins
98 214	7:19AM	6:11PM cst	10 hrs 52 mins
98 215	7:18AM	6:12PM cst	10 hrs 54 mins
98 216	7:17AM	6:13PM cst	10 hrs 56 mins
98 217	7:16AM	6:13PM cst	10 hrs 58 mins
98 218	7:15AM	6:14PM cst	11 hrs 0 mins
98 219	7:14AM	6:15PM cst	11 hrs 2 mins
98 220	7:13AM	6:16PM cst	11 hrs 4 mins
98 221	7:11AM	6:17PM cst	11 hrs 6 mins
98 222	7:10AM	6:18PM cst	11 hrs 8 mins
98 223	7: 9AM	6:19PM cst	11 hrs 10 mins
98 224	7: 8AM	6:20PM cst	11 hrs 12 mins
98 225	7: 7AM	6:21PM cst	11 hrs 14 mins
98 226	7: 5AM	6:22PM cst	11 hrs 16 mins
98 227	7: 4AM	6:23PM cst	11 hrs 19 mins
98 228	7: 3AM	6:24PM cst	11 hrs 21 mins

TULSA

DATE	SUNRISE	SUNSET	DAYLIGHT
98 2 1	7:25AM	5:49PM cst	10 hrs 25 mins
98 2 2	7:24AM	5:50PM cst	10 hrs 27 mins
98 2 3	7:23AM	5:51PM cst	10 hrs 28 mins
98 2 4	7:22AM	5:52PM cst	10 hrs 30 mins
98 2 5	7:21AM	5:53PM cst	10 hrs 32 mins
98 2 6	7:21AM	5:54PM cst	10 hrs 34 mins
98 2 7	7:20AM	5:55PM cst	10 hrs 36 mins
98 2 8	7:19AM	5:56PM cst	10 hrs 38 mins
98 2 9	7:18AM	5:58PM cst	10 hrs 40 mins
98 210	7:17AM	5:59PM cst	10 hrs 41 mins
98 211	7:16AM	6: 0PM cst	10 hrs 43 mins
98 212	7:15AM	6: 1PM cst	10 hrs 45 mins
98 213	7:14AM	6: 2PM cst	10 hrs 47 mins
98 214	7:13AM	6: 3PM cst	10 hrs 49 mins
98 215	7:12AM	6: 4PM cst	10 hrs 51 mins
98 216	7:11AM	6: 5PM cst	10 hrs 54 mins
98 217	7:10AM	6: 6PM cst	10 hrs 56 mins
98 218	7: 9AM	6: 7PM cst	10 hrs 58 mins
98 219	7: 8AM	6: 8PM cst	11 hrs 0 mins
98 220	7: 7AM	6: 9PM cst	11 hrs 2 mins
98 221	7: 5AM	6:10PM cst	11 hrs 4 mins
98 222	7: 4AM	6:11PM cst	11 hrs 6 mins
98 223	7: 3AM	6:11PM cst	11 hrs 8 mins
98 224	7: 2AM	6:12PM cst	11 hrs 11 mins
98 225	7: 1AM	6:13PM cst	11 hrs 13 mins
98 226	6:59AM	6:14PM cst	11 hrs 15 mins
98 227	6:58AM	6:15PM cst	11 hrs 17 mins
98 228	6:57AM	6:16PM cst	11 hrs 19 mins

Deviation from Normal Cooling Degree Days: A positive value indicates higher that 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.

TULSA CLIMATE CALENDAR

FEBRUARY

The data on this calendar are for Tulsa. Normal values are calculated for the period 1948-1991. Temperature extremes are for the period 1905-1996; precipitation extremes are for the period 1948-1996.

Normal 1		Actual	Normal 2		Actual	Normal 3		Actual	Normal 4		Actual	Normal 5		Actual	Normal 6		Actual	Normal 7		Actual
46.0	max		47.0	max		46.0	max		44.0	max		46.0	max		46.0	max		44.0	max	
26.0	min		27.0	min		24.0	min		25.0	min		25.0	min		25.0	min		24.0	min	
.03	ppt		.06	ppt		.11	ppt		.03	ppt		.02	ppt		.01	ppt		.01	ppt	
28	hdd		28	hdd		30	hdd		30	hdd		29	hdd		29	hdd		31	hdd	
0	cdd		0	cdd		0	cdd		0	cdd		0	cdd		0	cdd		0	cdd	
Highest Max	79-1910		Highest Max	76-1997		Highest Max	75-1997		Highest Max	70-1956		Highest Max	79-1964		Highest Max	69-1907		Highest Max	77-1965	
Lowest Max	19-1974		Lowest Max	25-1979		Lowest Max	14-1959		Lowest Max	12-1959		Lowest Max	19-1987		Lowest Max	20-1979		Lowest Max	15-1968	
Lowest Min	0-1928		Lowest Min	2-1911		Lowest Min	-2-1919		Lowest Min	-8-1947		Lowest Min	-7-1947		Lowest Min	0-1912		Lowest Min	-5-1912	
Highest Min	54-1997		Highest Min	56-1997		Highest Min	58-1997		Highest Min	63-1955		Highest Min	48-1992		Highest Min	47-1965		Highest Min	49-1965	
Greatest ppt	.50-1965		Greatest ppt	.90-1951		Greatest ppt	1.12-1971		Greatest ppt	.82-1963		Greatest ppt	.50-1962		Greatest ppt	.61-1988		Greatest ppt	.17-1973	

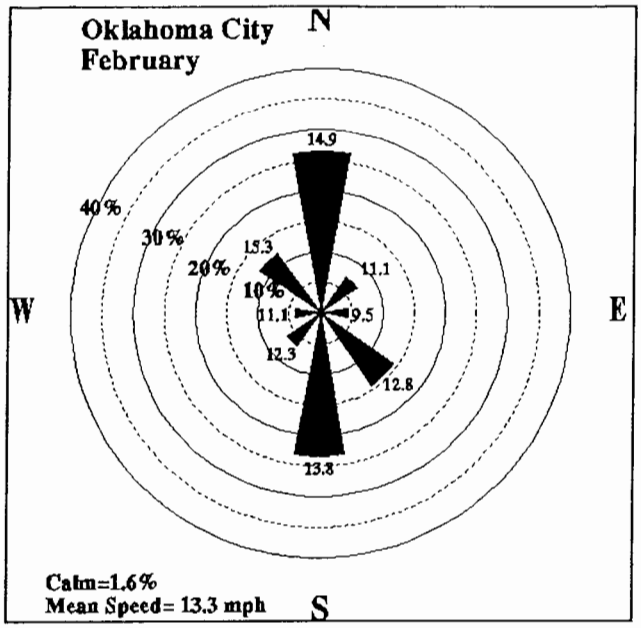
Normal 8		Actual	Normal 9		Actual	Normal 10		Actual	Normal 11		Actual	Normal 12		Actual	Normal 13		Actual	Normal 14		Actual
47.0	max		44.0	max		42.0	max		44.0	max		45.0	max		47.0	max		48.0	max	
24.0	min		24.0	min		22.0	min		22.0	min		25.0	min		25.0	min		27.0	min	
.03	ppt		.06	ppt		.02	ppt		.01	ppt		.02	ppt		.02	ppt		.05	ppt	
29	hdd		31	hdd		33	hdd		32	hdd		30	hdd		29	hdd		27	hdd	
0	cdd		0	cdd		0	cdd		0	cdd		0	cdd		0	cdd		0	cdd	
Highest Max	71-1923		Highest Max	69-1909		Highest Max	76-1990		Highest Max	80-1911		Highest Max	79-1960		Highest Max	75-1907		Highest Max	76-1952	
Lowest Max	17-1970		Lowest Max	10-1977		Lowest Max	13-1962		Lowest Max	21-1973		Lowest Max	11-1963		Lowest Max	23-1982		Lowest Max	13-1979	
Lowest Min	-5-1988		Lowest Min	0-1977		Lowest Min	-5-1977		Lowest Min	-5-1977		Lowest Min	-13-1918		Lowest Min	-12-191		Lowest Min	-4-1916	
Highest Min	46-1954		Highest Min	45-1990		Highest Min	45-1960		Highest Min	43-1960		Highest Min	57-1960		Highest Min	51-1959		Highest Min	51-1953	
Greatest ppt	.76-1967		Greatest ppt	.57-1977		Greatest ppt	.30-1949		Greatest ppt	.17-1949		Greatest ppt	.42-1960		Greatest ppt	.41-1951		Greatest ppt	.54-1951	

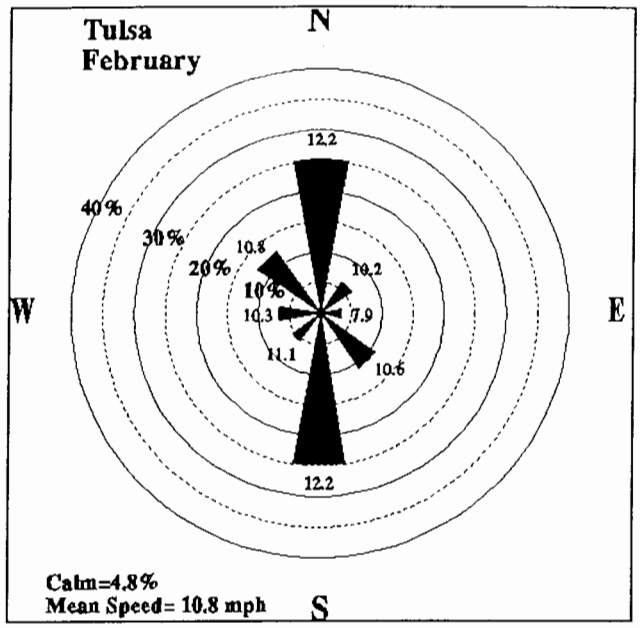
Normal 15		Actual	Normal 16		Actual	Normal 17		Actual	Normal 18		Actual	Normal 19		Actual	Normal 20		Actual	Normal 21		Actual
48.0	max		44.0	max		44.0	max		44.0	max		43.0	max		44.0	max		45.0	max	
25.0	min		24.0	min		25.0	min		25.0	min		25.0	min		25.0	min		26.0	min	
.03	ppt		.03	ppt		.04	ppt		.10	ppt		.08	ppt		.04	ppt		.07	ppt	
28	hdd		31	hdd		30	hdd		30	hdd		31	hdd		30	hdd		29	hdd	
0	cdd		0	cdd		0	cdd		0	cdd		0	cdd		0	cdd		0	cdd	
Highest Max	69-1990		Highest Max	78-1938		Highest Max	73-1952		Highest Max	72-1951		Highest Max	75-1951		Highest Max	77-1986		Highest Max	75-1957	
Lowest Max	18-1972		Lowest Max	16-1977		Lowest Max	11-1978		Lowest Max	13-1970		Lowest Max	14-1970		Lowest Max	15-1984		Lowest Max	16-1970	
Lowest Min	0-1905		Lowest Min	1-1930		Lowest Min	-3-1930		Lowest Min	-14-1990		Lowest Min	-5-1943		Lowest Min	-3-1985		Lowest Min	-1-1918	
Highest Min	59-1960		Highest Min	58-1990		Highest Min	55-1973		Highest Min	48-1972		Highest Min	48-1954		Highest Min	45-1979		Highest Min	57-1957	
Greatest ppt	.76-1949		Greatest ppt	.66-1990		Greatest ppt	.45-1984		Greatest ppt	.88-1968		Greatest ppt	1.85-1990		Greatest ppt	.61-1958		Greatest ppt	.55-1973	

Normal 22		Actual	Normal 23		Actual	Normal 24		Actual	Normal 25		Actual	Normal 26		Actual	Normal 27		Actual	Normal 28		Actual
54.0	max		55.0	max		53.0	max		57.0	max		58.0	max		58.0	max		56.0	max	
31.0	min		33.0	min		32.0	min		33.0	min		34.0	min		35.0	min		35.0	min	
.14	ppt		.07	ppt		.07	ppt		.02	ppt		.07	ppt		.16	ppt		.08	ppt	
22	hdd		21	hdd		22	hdd		20	hdd		19	hdd		19	hdd		19	hdd	
0	cdd		0	cdd		0	cdd		0	cdd		0	cdd		0	cdd		0	cdd	
Highest Max	90-1996		Highest Max	81-1982		Highest Max	85-1918		Highest Max	82-1917		Highest Max	79-1996		Highest Max	81-1976		Highest Max	82-1972	
Lowest Max	28-1968		Lowest Max	32-1975		Lowest Max	24-1965		Lowest Max	31-1960		Lowest Max	30-1960		Lowest Max	28-1962		Lowest Max	22-1962	
Lowest Min	11-1963		Lowest Min	10-1910		Lowest Min	8-1965		Lowest Min	10-1965		Lowest Min	11-1960		Lowest Min	13-1962		Lowest Min	6-1962	
Highest Min	57-1985		Highest Min	51-1992		Highest Min	45-1977		Highest Min	52-1951		Highest Min	61-1996		Highest Min	59-1981		Highest Min	53-1976	
Greatest ppt	2.99-1985		Greatest ppt	1.40-1985		Greatest ppt	.85-1962		Greatest ppt	.98-1993		Greatest ppt	1.25-1984		Greatest ppt	1.12-1960		Greatest ppt	2.00-1967	

FEBRUARY AVERAGES

TEMPERATURE	:	**40.9°F**
PRECIPITATION	:	**1.93"**
HEATING DEGREE DAYS	:	**667**
COOLING DEGREE DAYS	:	**0**





February 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 FEBRUARY 1998

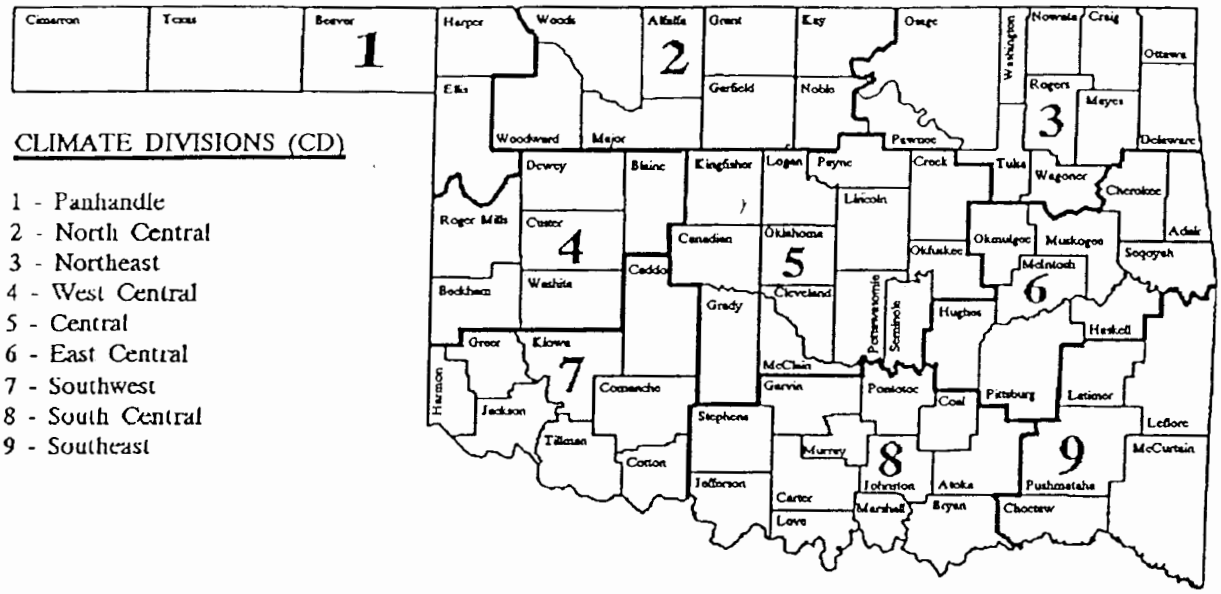
OKLAHOMA CITY

DATE	SUNRISE	SUNSET	DAYLIGHT
98 2 1	7:30AM	5:58PM cst	10 hrs 28 mins
98 2 2	7:29AM	5:59PM cst	10 hrs 29 mins
98 2 3	7:28AM	6: 0PM cst	10 hrs 31 mins
98 2 4	7:28AM	6: 1PM cst	10 hrs 33 mins
98 2 5	7:27AM	6: 2PM cst	10 hrs 35 mins
98 2 6	7:26AM	6: 3PM cst	10 hrs 36 mins
98 2 7	7:25AM	6: 4PM cst	10 hrs 38 mins
98 2 8	7:24AM	6: 5PM cst	10 hrs 40 mins
98 2 9	7:24AM	6: 6PM cst	10 hrs 42 mins
98 210	7:23AM	6: 7PM cst	10 hrs 44 mins
98 211	7:22AM	6: 8PM cst	10 hrs 46 mins
98 212	7:21AM	6: 9PM cst	10 hrs 48 mins
98 213	7:20AM	6:10PM cst	10 hrs 50 mins
98 214	7:19AM	6:11PM cst	10 hrs 52 mins
98 215	7:18AM	6:12PM cst	10 hrs 54 mins
98 216	7:17AM	6:13PM cst	10 hrs 56 mins
98 217	7:16AM	6:13PM cst	10 hrs 58 mins
98 218	7:15AM	6:14PM cst	11 hrs 0 mins
98 219	7:14AM	6:15PM cst	11 hrs 2 mins
98 220	7:13AM	6:16PM cst	11 hrs 4 mins
98 221	7:11AM	6:17PM cst	11 hrs 6 mins
98 222	7:10AM	6:18PM cst	11 hrs 8 mins
98 223	7: 9AM	6:19PM cst	11 hrs 10 mins
98 224	7: 8AM	6:20PM cst	11 hrs 12 mins
98 225	7: 7AM	6:21PM cst	11 hrs 14 mins
98 226	7: 5AM	6:22PM cst	11 hrs 16 mins
98 227	7: 4AM	6:23PM cst	11 hrs 19 mins
98 228	7: 3AM	6:24PM cst	11 hrs 21 mins

TULSA

DATE	SUNRISE	SUNSET	DAYLIGHT
98 2 1	7:25AM	5:49PM cst	10 hrs 25 mins
98 2 2	7:24AM	5:50PM cst	10 hrs 27 mins
98 2 3	7:23AM	5:51PM cst	10 hrs 28 mins
98 2 4	7:22AM	5:52PM cst	10 hrs 30 mins
98 2 5	7:21AM	5:53PM cst	10 hrs 32 mins
98 2 6	7:21AM	5:54PM cst	10 hrs 34 mins
98 2 7	7:20AM	5:55PM cst	10 hrs 36 mins
98 2 8	7:19AM	5:56PM cst	10 hrs 38 mins
98 2 9	7:18AM	5:58PM cst	10 hrs 40 mins
98 210	7:17AM	5:59PM cst	10 hrs 41 mins
98 211	7:16AM	6: 0PM cst	10 hrs 43 mins
98 212	7:15AM	6: 1PM cst	10 hrs 45 mins
98 213	7:14AM	6: 2PM cst	10 hrs 47 mins
98 214	7:13AM	6: 3PM cst	10 hrs 49 mins
98 215	7:12AM	6: 4PM cst	10 hrs 51 mins
98 216	7:11AM	6: 5PM cst	10 hrs 54 mins
98 217	7:10AM	6: 6PM cst	10 hrs 56 mins
98 218	7: 9AM	6: 7PM cst	10 hrs 58 mins
98 219	7: 8AM	6: 8PM cst	11 hrs 0 mins
98 220	7: 7AM	6: 9PM cst	11 hrs 2 mins
98 221	7: 5AM	6:10PM cst	11 hrs 4 mins
98 222	7: 4AM	6:11PM cst	11 hrs 6 mins
98 223	7: 3AM	6:11PM cst	11 hrs 8 mins
98 224	7: 2AM	6:12PM cst	11 hrs 11 mins
98 225	7: 1AM	6:13PM cst	11 hrs 13 mins
98 226	6:59AM	6:14PM cst	11 hrs 15 mins
98 227	6:58AM	6:15PM cst	11 hrs 17 mins
98 228	6:57AM	6:16PM cst	11 hrs 19 mins

OKLAHOMA



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 that 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

FEBRUARY

The data on this calendar are for Oklahoma City. Normal values are calculated for the period 1961-1990. Extremes are found for the period of record (1891 - present).

	Normal	Actual	Highest Max	Lowest Max	Lowest Min	Highest Min	Greatest ppt
1	max 46.5		74-1910	13-1979	2-1928	51-1966	.53-1892
	min 26.5						
	ppt .02						
	hdd 29						
	cdd 0						
2	max 47.1		70-1964	13-1911	-2-1911	56-1950	1.01-1951
	min 27.4						
	ppt .07						
	hdd 28						
	cdd 0						
3	max 46.6		71-1939	10-1919	-9-1911	56-1997	1.03-1908
	min 26.0						
	ppt .06						
	hdd 30						
	cdd 0						
4	max 43.8		72-1927	11-1959	-7-1947	60-1955	1.81-1932
	min 25.2						
	ppt .02						
	hdd 31						
	cdd 0						
5	max 46.8		71-1927	18-1924	-2-1959	48-1946	1.00-1962
	min 26.5						
	ppt .06						
	hdd 28						
	cdd 0						
6	max 47.8		66-1921	14-1909	-2-1912	52-1907	1.02-1934
	min 25.1						
	ppt .02						
	hdd 29						
	cdd 0						
7	max 44.9		73-1966	15-1913	-3-1912	61-1907	.93-1944
	min 24.2						
	ppt .01						
	hdd 30						
	cdd 0						
8	max 46.9		71-1929	11-1957	-4-1988	49-1949	1.46-1956
	min 23.5						
	ppt .03						
	hdd 30						
	cdd 0						
9	max 44.8		70-1902	9-1977	-2-1977	45-1966	.67-1907
	min 23.5						
	ppt .02						
	hdd 31						
	cdd 0						
10	max 42.6		75-1990	13-1962	-3-1977	47-1928	.55-1906
	min 22.7						
	ppt .02						
	hdd 32						
	cdd 0						
11	max 44.1		77-1911	2-1918	-7-1918	50-1898	1.10-1916
	min 22.6						
	ppt .01						
	hdd 32						
	cdd 0						
12	max 46.5		73-1995	6-1912	-7-1912	51-1960	.76-1927
	min 25.1						
	ppt .03						
	hdd 30						
	cdd 0						
13	max 47.0		74-1996	11-1905	-4-1916	51-1952	.79-1992
	min 25.3						
	ppt .01						
	hdd 29						
	cdd 0						
14	max 48.3		75-1928	12-1905	-1-1905	50-1928	.46-1898
	min 26.3						
	ppt .02						
	hdd 28						
	cdd 0						
15	max 49.2		77-1914	14-1930	-2-1905	53-1969	1.07-1932
	min 25.5						
	ppt .02						
	hdd 28						
	cdd 0						
16	max 46.5		76-1894	11-1930	0-1950	57-1990	.70-1990
	min 25.5						
	ppt .04						
	hdd 29						
	cdd 0						
17	max 47.6		73-1894	8-1930	-9-1930	52-1894	1.16-1926
	min 26.1						
	ppt .04						
	hdd 28						
	cdd 0						
18	max 46.4		74-1951	8-1892	-9-1930	48-1895	1.07-1968
	min 25.7						
	ppt .10						
	hdd 29						
	cdd 0						
19	max 44.1		75-1914	12-1962	-11-1892	54-1904	2.76-1894
	min 25.1						
	ppt .09						
	hdd 30						
	cdd 0						
20	max 45.9		80-1986	18-1984	1-1985	53-1921	1.29-1904
	min 25.0						
	ppt .02						
	hdd 30						
	cdd 0						
21	max 45.6		71-1967	12-1954	-3-1930	56-1921	1.40-1932
	min 26.0						
	ppt .08						
	hdd 29						
	cdd 0						
22	max 54.0		92-1996	24-1968	11-1963	56-1966	1.15-1985
	min 31.6						
	ppt .07						
	hdd 22						
	cdd 0						
23	max 54.4		86-1918	21-1914	7-1910	62-1956	.81-1985
	min 32.6						
	ppt .03						
	hdd 22						
	cdd 0						
24	max 53.9		87-1918	19-1960	7-1965	55-1930	.94-1962
	min 32.0						
	ppt .05						
	hdd 22						
	cdd 0						
25	max 57.8		84-1917	27-1950	10-1950	55-1944	.74-1936
	min 33.9						
	ppt .02						
	hdd 19						
	cdd 0						
26	max 58.6		82-1996	21-1934	10-1891	59-1951	1.34-1909
	min 34.4						
	ppt .03						
	hdd 19						
	cdd 0						
27	max 58.3		83-1918	25-1962	12-1962	56-1951	1.32-1966
	min 34.4						
	ppt .08						
	hdd 19						
	cdd 0						
28	max 56.9		90-1904	19-1922	7-1962	52-1904	.96-1990
	min 34.3						
	ppt .07						
	hdd 19						
	cdd 0						

FEBRUARY AVERAGES

TEMPERATURE	:	41.0°F
PRECIPITATION	:	1.51"
HEATING DEGREE DAYS	:	674
COOLING DEGREE DAYS	:	0

TULSA CLIMATE CALENDAR

FEBRUARY

The data on this calendar are for Tulsa. Normal values are calculated for the period 1948-1991. Temperature extremes are for the period 1905-1996; precipitation extremes are for the period 1948-1996.

Day	Normal	Actual	Highest Max	Lowest Max	Lowest Min	Highest Min	Greatest ppt
1	46.0 max 26.0 min .03 ppt 28 hdd 0 cdd		79-1910	13-1974	0-1928	54-1997	.50-1965
2	47.0 max 27.0 min .06 ppt 28 hdd 0 cdd		76-1997	25-1979	2-1911	56-1997	.90-1951
3	46.0 max 24.0 min .11 ppt 30 hdd 0 cdd		76-1997	14-1959	-2-1919	58-1997	1.12-1971
4	44.0 max 25.0 min .03 ppt 30 hdd 0 cdd		70-1966	12-1959	-8-1947	63-1955	.82-1963
5	46.0 max 25.0 min .02 ppt 29 hdd 0 cdd		79-1984	19-1987	-7-1947	48-1992	.50-1962
6	46.0 max 25.0 min .01 ppt 29 hdd 0 cdd		69-1907	20-1979	0-1912	47-1965	.61-1988
7	44.0 max 24.0 min .01 ppt 31 hdd 0 cdd		77-1965	15-1968	-5-1912	49-1965	.17-1973
8	47.0 max 24.0 min .03 ppt 29 hdd 0 cdd		71-1923	17-1970	-5-1988	46-1954	.75-1967
9	44.0 max 24.0 min .06 ppt 31 hdd 0 cdd		69-1909	10-1977	0-1977	45-1990	.57-1977
10	42.0 max 22.0 min .02 ppt 33 hdd 0 cdd		76-1990	13-1962	-5-1977	45-1960	.30-1949
11	44.0 max 22.0 min .01 ppt 32 hdd 0 cdd		80-1911	21-1973	-5-1977	43-1960	.17-1949
12	45.0 max 25.0 min .02 ppt 30 hdd 0 cdd		79-1960	11-1963	-13-1918	57-1960	.42-1960
13	47.0 max 25.0 min .02 ppt 29 hdd 0 cdd		75-1907	25-1982	-12-191	51-1959	.41-1951
14	48.0 max 27.0 min .05 ppt 27 hdd 0 cdd		76-1952	13-1979	-4-1916	51-1953	.54-1951
15	48.0 max 25.0 min .03 ppt 28 hdd 0 cdd		69-1990	18-1972	0-1905	53-1960	.75-1949
16	44.0 max 24.0 min .03 ppt 31 hdd 0 cdd		78-1998	16-1977	1-1930	58-1990	.66-1990
17	44.0 max 25.0 min .04 ppt 30 hdd 0 cdd		73-1952	11-1978	-3-1930	55-1973	.45-1984
18	44.0 max 25.0 min .10 ppt 30 hdd 0 cdd		72-1951	13-1970	-14-1930	48-1972	.88-1968
19	43.0 max 25.0 min .08 ppt 31 hdd 0 cdd		75-1951	14-1970	-5-1943	48-1954	1.85-1990
20	44.0 max 25.0 min .04 ppt 30 hdd 0 cdd		77-1986	15-1984	-3-1985	45-1979	.61-1958
21	45.0 max 26.0 min .07 ppt 29 hdd 0 cdd		75-1957	16-1970	-1-1918	57-1957	.55-1973
22	54.0 max 31.0 min .14 ppt 22 hdd 0 cdd		90-1996	28-1968	11-1963	57-1985	2.99-1985
23	55.0 max 33.0 min .07 ppt 21 hdd 0 cdd		81-1982	32-1975	10-1910	61-1992	1.40-1985
24	53.0 max 32.0 min .07 ppt 22 hdd 0 cdd		85-1918	24-1965	8-1965	46-1977	.55-1962
25	57.0 max 33.0 min .02 ppt 20 hdd 0 cdd		82-1917	31-1960	10-1965	52-1951	.95-1993
26	58.0 max 34.0 min .07 ppt 19 hdd 0 cdd		79-1996	30-1960	11-1960	61-1996	1.25-1964
27	58.0 max 35.0 min .16 ppt 19 hdd 0 cdd		81-1976	28-1962	13-1962	59-1981	1.12-1960
28	56.0 max 35.0 min .08 ppt 19 hdd 0 cdd		82-1972	22-1962	6-1962	53-1976	2.00-1967

FEBRUARY AVERAGES

TEMPERATURE	:	40.9°F
PRECIPITATION	:	1.93"
HEATING DEGREE DAYS	:	667
COOLING DEGREE DAYS	:	0