OKLAHOMA MONTHLY SUMMARY JANUARY 1994

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MONTHLY SUMMARY FOR JANUARY 1994

Much of Oklahoma was in need of moisture by the end of a generally dry, mild January. Three incursions of bitterly cold air, each bringing freezing or frozen precipitation to parts of Oklahoma, were the most notable features of the state's January weather. Despite the wintry blasts, the statewide average temperature of 36.7 degrees was three-tenths of a degree above normal. Locally heavy rains in southeastern Oklahoma late in the month brought the total precipitation, averaged across the state, to .82 inch. Normal precipitation for January is 1.36 inches. Only the Panhandle and the southeast received greater than normal precipitation during the month.

The state average precipitation from October 1993 through January 1994 is approximately two-thirds of normal. Only the southeast has received greater than normal precipitation for that period, whereas totals in much of northwestern Oklahoma are less than one-half of normal.

Some light snow and sleet fell in extreme northeastern Oklahoma on the 4th. More snow fell across extreme northern parts of the state on the 6th. Newkirk reported 2 inches, as snowfall was reported from Woodward to Miami. Frigid air lowered temperatures into the sub-teens at several northerly locations on the 7th and 8th.

Another cold front swept across the state on the 14th, producing light snow in the northeast and triggering thunderstorms in the southeast. Broken Bow reported 1.65 inches of rain. A mix of precipitation occurred in eastern Oklahoma on the 16th. Tuskahoma reported 2.15 inches of rain and a mixture of freezing rain and snow was reported elsewhere in the east. Spiro reported three inches of snow and McCurtain reported two inches. Light snow was reported as far south as McAlester. Freezing rain made traveling hazardous in many areas. Two traffic deaths, one in McIntosh County and the other in Pontotoc County, were attributed to the poor driving conditions.

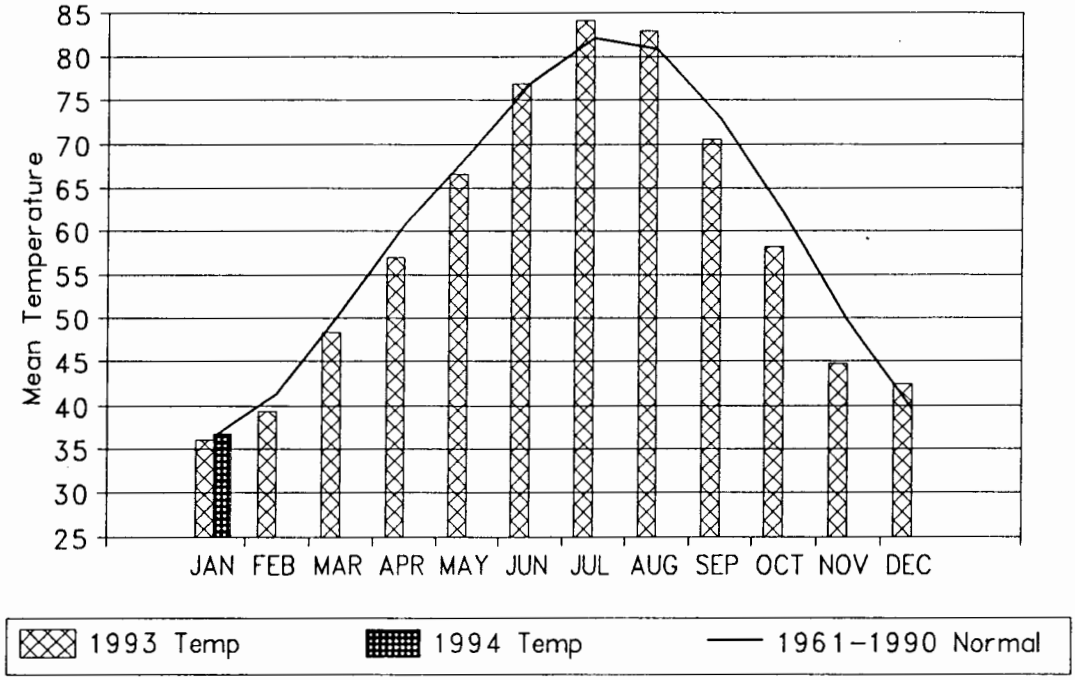
A blanket of dense fog covered much of southern Oklahoma on the morning of the 24th. Air traffic at Oklahoma City was disrupted for several hours with several flights being canceled. The Oklahoma Highway Patrol estimated that visibility in some areas of southeastern Oklahoma was as low as a quarter of a mile.

Thunderstorms in extreme western Oklahoma dropped large hail in Roger Mills, Beckham and Greer Counties early on the morning of the 26th. Other storms in eastern Oklahoma produced large hail and locally heavy rains. Hailstones up to seven-eighths of an inch in diameter piled to a depth of 6 inches west of Vinita. Other large hail was reported in Wagoner and Muskogee Counties. Precipitation reports included 2.37 inches at the Oklahoma Mesonetwork site near Talihina, 1.88 inches at Stigler and 1.76 inches at Vinita.

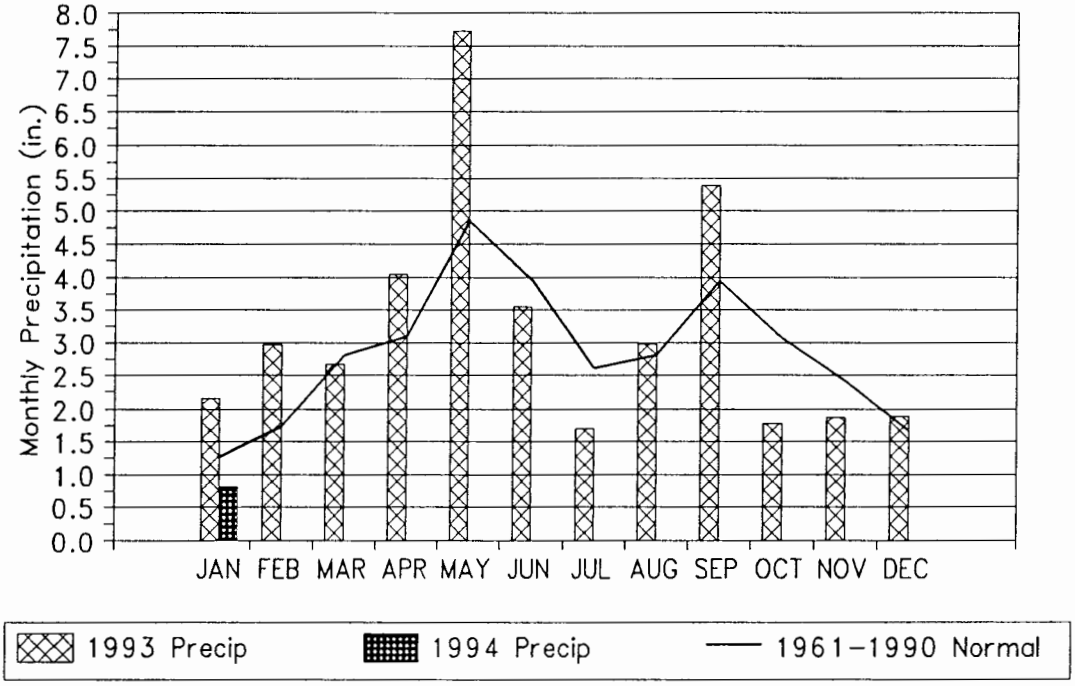
Another blast of winter air moved through the state on the 30th. Erick reported 5 inches of snow, Reydon noted 4.5 inches and Retrop reported 4 inches. An inch or more of snow was reported as far south as Randlett and Waurika. The frigid air drove temperatures at several northwestern reporting stations to below zero. Waynoka reported -4 on the 31st, accompanied by Freedom and Gage with readings of -3.

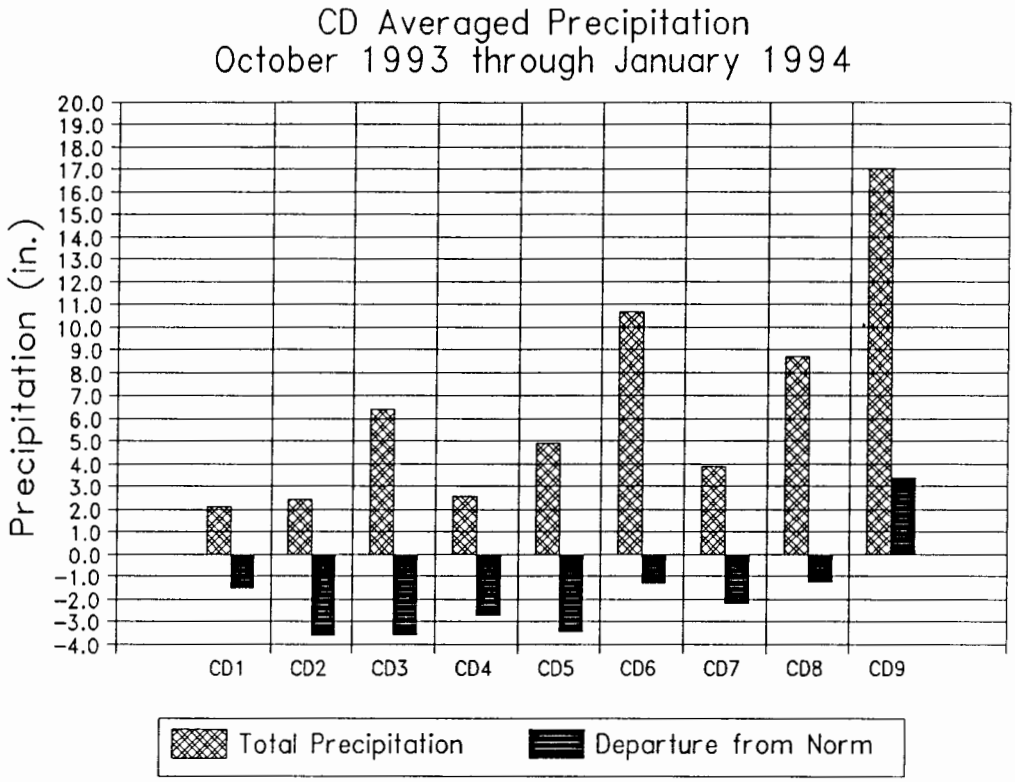
Howard L. Johnson

1993 and 1994 STATEWIDE TEMPERATURES
Monthly Averages

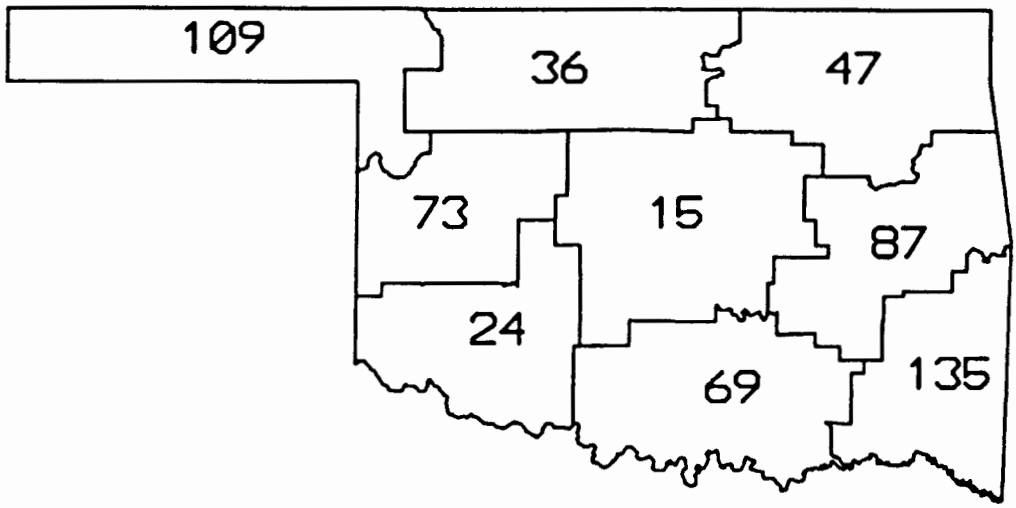


1993 and 1994 STATEWIDE PRECIPITATION
Monthly Totals





CD PERCENT OF NORMAL PRECIPITATION



JANUARY 1994

EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION
JANUARY, 1994

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	76	6	GATE	-3	31	GAGE FAA APT	.49	26	GATE	.86	BOISE CITY
2	74	6	FT SUPPLY DA	-4	31	WAYNOKA	.50	6	CHEROKEE	.84	CHEROKEE
3	69 69	27 26	BIXBY MANNFORD	3 3	7 8	MIAMI MIAMI	1.00	26	PRYOR	2.38	KANSAS
4	78	5	ERICK	0	31	HAMMON	.94	31	VICI	1.20	VICI
5	68	26	BRISTOW	7	31	HENNESSEY	.30 .30	23 24	NORMAN PRAGUE	.41	NORMAN
6	75	25	MCALESTER	8	18	TAHLEQUAH	1.94	26	MUSKOGEE	3.09	QUINTON
7	80	5	HOLLIS	3	31	CARNEGIE	.30	30	HEADRICK	.41	VINSON
8	74 74	26 25	MCGEE CREEK TISHOMINGO	9	18	WAURIKA DAM	1.14	17	CANEY	3.04	CANEY
9	74	25	POTEAU	10	8	SMITHVILLE	2.15	17	TUSKAHOMA	5.86	HEE MT TWR

TABLE OF 1993/1994 COMPARISONS

	January Temperature (°F)		January Precipitation (in.)	
Station	1993	1994	1993	1994
Arnett	28.9	33.5	1.20	0.54
Enid	33.6	34.1	2.59	0.27
Mutual	30.1	33.3	1.74	0.51
Tulsa	36.8	35.2	2.29	0.68
Elk City	33.7	37.3	1.45	0.43
Oklahoma City	36.4	35.9	1.76	0.21
McAlester	41.1	39.8	2.02	1.85
Altus Irr Sta	37.9	39.6	1.54	0.19
Durant	40.0	39.8	2.23	1.38
Ada	38.3	37.9	1.39	0.91
Hugo	42.5	42.0	3.33	1.19

EXTREMES

Variable	Station	Division	Observation	Date
Minimum temperature (°F)	Waynoka	2	-04	31
Maximum temperature (°F)	Hollis	7	80	5
Maximum 24-hour precipitation	Tuskahoma	9	2.15"	17

JANUARY 1994 SUMMARY FOR NORTHWEST 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	33.5	31	1.0	73.	6	1.	31	977.5	-30.5	.0	.0	.541	31	.08	.43	26
BEAVER	593	1	32.6	31	1.0	72.	6	-2.	31	1004.0	-31.0	.0	.0	.471	31	.07	.37	26
BOISE CITY 2 E	908	1	36.5	31	2.3	69.	24	1.	31	883.5	-71.5	.0	.0	.861	31	.56	.38	26
BUFFALO	1243	1	37.2	31	2.6	65.	13	1.	31	862.5	-79.5	.0	.0	.550	31	.06	.40	26
FARGO	3070	1	*****	0	*****	****	0	****	0	******	******	******	******	.450	31	-.02	.27	26
GAGE FAA APT	3407	1	34.2	30	-.1	75.	5	-3.	31	923.0	-29.0	.0	.0	.501	30	*****	.35	26
GATE	3489	1	33.9	31	1.5	76.	6	0.	31	964.0	-47.0	.0	.0	.671	31	.12	.49	26
GOODWELL RES ST	3628	1	34.2	31	2.3	72.	6	0.	31	955.5	-70.5	.0	.0	.220	31	-.05	.14	30
GUYMON	3835	1	35.8	26	*****	74.	5	5.	18	759.0	******	.0	******	.312	27	*****	.29	26
HOOKER	4298	1	33.3	31	.4	74.	6	0.	30	982.0	-13.0	.0	.0	.411	31	.02	.29	25
KENTON	4766	1	34.2	29	*****	70.	20	5.	31	892.5	******	.0	******	.460	30	*****	.31	26
LAVERNE	5045	1	*****	0	*****	****	0	****	0	******	******	******	******	.430	31	-.10	.25	26
OPTIMA LAKE	6740	1	33.9	30	*****	72.	6	0.	31	932.0	******	.0	******	.440	31	*****	.24	26
REGNIER	7534	1	*****	0	*****	****	0	****	0	******	******	******	******	.371	31	.07	.35	27
TURPIN 4 SSE	9017	1	33.0	31	*****	74.	6	2.	31	992.0	******	.0	******	.240	31	*****	.18	26

JANUARY 1994 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	34.8	31	*****	65.	23	2.	31	937.0	******	.0	******	.300	31	*****	.17	26
VANCE AFB	302	2	*****	0	*****	****	0	****	0	******	******	******	******	.245	29	*****	.18	26
BILLINGS	755	2	32.5	31	-.3	62.	6	5.	31	1006.0	8.0	.0	.0	.262	31	-.74	.15	26
BLACKWELL 2E	818	2	34.1	29	*****	61.	26	6.	7	897.0	******	.0	******	.322	31	-.62	.11	26
BRAMAN	1075	2	*****	0	*****	****	0	****	0	******	******	******	******	.191	31	*****	.16	26
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	******	******	******	******	.350	31	*****	.20	26
CHEROKEE	1724	2	35.0	31	.5	61.	26	3.	31	930.0	-16.0	.0	.0	.840	31	-.01	.50	6
ENID	2912	2	34.1	31	-1.0	61.	26	5.	31	957.0	30.0	.0	.0	.270	31	-.69	.16	26
FT SUPPLY DAM	3304	2	33.5	31	1.3	74.	6	0.	31	976.5	-40.5	.0	.0	.380	31	-.07	.20	26
FREEDOM	3358	2	32.2	31	-1.8	66.	6	-3.	31	1017.0	56.0	.0	.0	.451	31	-.09	.31	26
GREAT SALT PLNS	3740	2	33.3	31	1.3	65.	25	6.	31	982.5	-40.5	.0	.0	.033	31	-.66	.03	26
HARDY	3909	2	*****	0	*****	****	0	****	0	******	******	******	******	.254	31	*****	.22	6
HELENA 1 SSE	4019	2	33.8	31	2.0	62.	25	1.	31	966.5	-62.5	.0	.0	.177	31	-.59	.11	31
JEFFERSON	4573	2	34.8	31	.7	63.	26	4.	31	935.0	-23.0	.0	.0	.093	31	-.76	.05	25
LAMONT	5013	2	*****	0	*****	****	0	****	0	******	******	******	******	.260	31	*****	.19	26
MEDFORD	5768	2	*****	0	*****	****	0	****	0	******	******	******	******	.200	31	*****	.10	25
MORRISON	6065	2	*****	0	*****	****	0	****	0	******	******	******	******	.140	31	*****	.07	26
MUTUAL	6139	2	33.3	31	.8	68.	6	-1.	31	983.5	-24.5	.0	.0	.510	31	-.09	.31	26
NEWKIRK	6278	2	34.0	31	.8	63.	26	6.	31	962.0	-24.0	.0	.0	.231	31	-.64	.08	7
ORIENTA	6751	2	*****	0	*****	****	0	****	0	******	******	******	******	.100	31	-.61	.10	26
PERRY	7012	2	35.4	31	-.3	63.	26	8.	31	919.0	11.0	.0	.0	.181	31	-.76	.08	3
PONCA CITY FAA	7201	2	35.1	30	2.7	64.	26	9.	31	897.5	-113.5	.0	.0	.317	31	-.71	.12	6
RED ROCK 1 NNE	7505	2	*****	0	*****	****	0	****	0	******	******	******	******	.000	31	-.90	.00	31
WAYNOKA	9404	2	34.0	30	-.9	65.	23	-4.	31	931.0	-2.0	.0	.0	.220	31	-.42	.13	26
WOODWARD	9760	2	*****	0	*****	****	0	****	0	******	******	******	******	.690	31	.15	.48	26

JANUARY 1994 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	34.7	31	.1	67.	26	8.	7	939.5	-2.5	.0	.0	.175	31	-1.21	.09	7
BARTLESVILLE 2W	548	3	34.9	31	.2	67.	26	8.	7	934.5	-4.5	.0	.0	.364	31	-.91	.16	26
BIXBY	782	3	34.2	31	.2	69.	27	12.	19	954.5	-6.5	.0	.0	.430	31	-1.14	.43	26
BURBANK	1256	3	*****	0	*****	****	0	****	0	******	******	******	******	.084	31	-1.06	.08	6
CHELSEA 4 S	1717	3	*****	0	*****	****	0	****	0	******	******	******	******	1.370	31	*****	.51	26
CLAREMORE	1828	3	33.4	31	.3	65.	27	10.	8	979.5	-9.5	.0	.0	1.480	31	-.12	.48	26
CLEVELAND 5 WSW	1902	3	36.2	31	*****	68.	26	9.	18	893.0	******	.0	******	.184	31	*****	.11	3
FORAKER	3250	3	*****	0	*****	****	0	****	0	******	******	******	******	.052	31	-.97	.05	17
HOLLOW	4258	3	*****	0	*****	****	0	****	0	******	******	******	******	1.585	31	.11	.90	27
HOMINY	4289	3	*****	0	*****	****	0	****	0	******	******	******	******	.163	31	-1.09	.08	17
HULAH DAM	4393	3	33.9	18	*****	67.	27	7.	7	560.0	******	.0	******	.043	31	-1.15	.04	3
JAY TOWER	4567	3	32.7	31	*****	67.	26	4.	18	1000.5	******	.0	******	1.800	31	*****	.55	27
KANSAS 1 ESE	4672	3	34.7	31	-1.3	64.	25	7.	18	938.5	39.5	.0	.0	2.385	31	.22	.70	26
KEYSTONE DAM	4812	3	33.0	29	*****	68.	27	6.	9	927.0	******	.0	******	.243	29	*****	.12	3
LENAPAH	5118	3	*****	0	*****	****	0	****	0	******	******	******	******	.270	31	*****	.13	27
MANNFORD 6 NW	5522	3	36.9	29	*****	69.	26	7.	31	815.0	******	.0	******	.262	29	*****	.16	23
MARAMEC	5540	3	*****	0	*****	****	0	****	0	******	******	******	******	.241	31	-1.03	.23	3
MIAMI	5855	3	31.5	31	-1.2	66.	25	3.	8	1039.0	38.0	.0	.0	.982	31	-.77	.54	7
NOWATA	6485	3	33.3	31	-1.2	63.	27	7.	7	983.0	37.0	.0	.0	.523	31	-1.07	.30	27
ONETA 1 WNW	6713	3	*****	0	*****	****	0	****	0	******	******	******	******	.950	31	*****	.34	25
PAWHUSKA	6935	3	34.7	31	.6	65.	26	7.	7	939.0	-19.0	.0	.0	.123	31	-1.16	.06	3
PAWNEE	6940	3	*****	0	*****	****	0	****	0	******	******	******	******	.043	31	-1.18	.04	17
PRYOR 6 N	7309	3	33.6	30	.6	63.	27	9.	19	941.0	-51.0	.0	.0	2.095	31	.35	1.00	26
RALSTON	7390	3	35.6	31	.9	65.	26	8.	31	911.0	-28.0	.0	.0	.072	31	-1.08	.05	2
RAMONA 4 N	7394	3	*****	0	*****	****	0	****	0	******	******	******	******	.230	31	*****	.10	17
SKIATOOK	8258	3	*****	0	*****	****	0	****	0	******	******	******	******	.260	31	-1.11	.14	27
SPAVINAW	8380	3	36.1	30	-.4	63.	25	9.	7	866.0	-18.0	.0	.0	1.891	30	*****	.68	27
TULSA WSO APT	8992	3	35.2	31	.0	68.	26	11.	19	923.0	-1.0	.0	.0	.688	31	-.85	.38	26
UPPER SPAVINAW	9101	3	37.0	25	*****	65.	25	10.	18	699.5	******	.0	******	1.353	30	*****	.50	27
VINITA 2 N	9203	3	34.1	31	.5	65.	25	9.	18	958.0	-15.0	.0	.0	1.412	31	-.39	.56	26
WAGONER	9247	3	37.0	31	.2	65.	25	11.	18	868.5	-5.5	.0	.0	1.255	31	-.71	.76	26
WANN	9298	3	*****	0	*****	****	0	****	0	******	******	******	******	.353	31	*****	.12	26
WYNONA	9792	3	*****	0	*****	****	0	****	0	******	******	******	******	.066	31	*****	.06	3

JANUARY 1994 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	33.6	29	*****	64.	1	3.	31	910.0	******	.0	******	.191	29	*****	.15	26
CHEYENNE	1738	4	*****	0	*****	****	0	****	0	******	******	******	******	.560	31	.08	.40	26
CLINTON	1909	4	36.5	31	-.1	65.	5	2.	31	882.0	2.0	.0	.0	.504	31	-.44	.34	26
COLONY	2039	4	*****	0	*****	****	0	****	0	******	******	******	******	.402	31	*****	.23	31
CORDELL	2125	4	*****	0	*****	****	0	****	0	******	******	******	******	.181	31	-.73	.10	31
ELK CITY 1 E	2849	4	37.3	31	1.1	71.	5	2.	31	859.5	-33.5	.0	.0	.432	31	-.26	.24	26
ERICK 4 E	2944	4	36.8	31	.2	78.	5	1.	31	873.0	-7.0	.0	.0	.891	31	.36	.45	31
GEARY	3497	4	36.9	31	1.3	65.	4	9.	31	871.5	-39.5	.0	.0	.120	31	-.64	.12	31
HAMMON 1 NNE	3871	4	34.5	31	1.0	76.	6	0.	31	947.0	-30.0	.0	.0	.400	31	-.28	.22	31
LEEDEY	5090	4	*****	0	*****	****	0	****	0	******	******	******	******	.510	31	.02	.28	13
MORAVIA 2 NNE	6035	4	*****	0	*****	****	0	****	0	******	******	******	******	.610	31	-.10	.35	26
OKEENE	6629	4	35.7	31	-.5	64.	5	5.	31	908.0	15.0	.0	.0	.210	31	-.56	.11	26
RETROP	7565	4	*****	0	*****	****	0	****	0	******	******	******	******	.350	31	*****	.25	31
REYDON	7579	4	*****	0	*****	****	0	****	0	******	******	******	******	.371	30	*****	.28	26
SAYRE	7952	4	*****	0	*****	****	0	****	0	******	******	******	******	.620	31	.15	.45	26
SWEETWATER 2 E	8652	4	*****	0	*****	****	0	****	0	******	******	******	******	.870	31	*****	.62	26
TALOGA	8708	4	34.8	31	.0	69.	5	2.	31	936.0	.0	.0	.0	.222	31	-.48	.12	26
THOMAS	8815	4	*****	0	*****	****	0	****	0	******	******	******	******	.550	31	*****	.30	30
VICI	9172	4	*****	0	*****	****	0	****	0	******	******	******	******	1.203	31	.47	.94	31
WATONGA	9364	4	35.7	31	.3	64.	5	3.	31	909.5	-8.5	.0	.0	.243	31	-.71	.11	31
WEATHERFORD	9422	4	30.8	14	*****	61.	27	5.	31	479.5	******	.0	******	.140	31	-.68	.14	31

JANUARY 1994 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	******	******	******	******	.110	31	*****	.06	17
TINKER AFB	325	5	*****	0	*****	****	0	****	0	******	******	******	******	.115	30	*****	.05	26
BLANCHARD 2 SSW	830	5	37.9	31	-.4	65.	5	9.	31	839.5	11.5	.0	.0	.154	31	-.96	.07	26
BRISTOW	1144	5	36.7	31	-.1	68.	26	10.	18	877.5	3.5	.0	.0	.131	31	-1.25	.09	3
CHANDLER	1684	5	39.0	24	*****	67.	26	10.	18	624.0	******	.0	******	.002	29	*****	.00	24
CHICKASHA EX ST	1750	5	36.5	31	-.8	65.	5	8.	31	885.0	26.0	.0	.0	.111	31	-.92	.04	23
COX CITY 1 E	2196	5	*****	0	*****	****	0	****	0	******	******	******	******	.110	31	*****	.11	23
CUSHING	2318	5	34.7	29	*****	65.	27	10.	31	879.5	******	.0	******	.010	31	-1.12	.01	3
EL RENO 1 N	2818	5	36.8	31	1.1	65.	5	8.	31	875.0	-33.0	.0	.0	.150	31	-.85	.06	31
HENNESSEY 4 ESE	4055	5	34.3	30	-.8	65.	26	7.	31	919.5	-7.5	.0	.0	.192	31	-.67	.06	17
INGALLS	4489	5	*****	0	*****	****	0	****	0	******	******	******	******	.174	31	*****	.07	3
KINGFISHER 2 SE	4861	5	35.3	31	-.7	63.	26	8.	31	922.0	23.0	.0	.0	.141	31	-.86	.06	26
KONAWA	4915	5	*****	0	*****	****	0	****	0	******	******	******	******	.322	31	-1.19	.12	3
MARSHALL	5589	5	*****	0	*****	****	0	****	0	******	******	******	******	.220	31	-.66	.22	26
MEEKER 4 W	5779	5	36.6	31	-.1	63.	26	10.	18	879.5	2.5	.0	.0	.191	31	-.85	.10	22
MULHALL	6110	5	*****	0	*****	****	0	****	0	******	******	******	******	.022	31	*****	.02	15
NORMAN 3 S	6386	5	36.9	31	-.9	65.	25	10.	31	870.0	27.0	.0	.0	.411	31	-.91	.30	23
OILTON 2 SE	6616	5	*****	0	*****	****	0	****	0	******	******	******	******	.002	31	*****	.00	23
OKEMAH	6638	5	37.7	31	.2	67.	26	11.	18	846.0	-7.0	.0	.0	.401	31	-1.05	.15	3
OKLAHOMA CTY WS	6661	5	35.9	31	.0	64.	5	10.	31	901.0	-1.0	.0	.0	.211	31	-.92	.07	26
PERKINS	7003	5	*****	0	*****	****	0	****	0	******	******	******	******	.180	31	-.99	.09	26
PIEDMONT	7068	5	*****	0	*****	****	0	****	0	******	******	******	******	.280	31	*****	.10	26
PRAGUE	7264	5	*****	0	*****	****	0	****	0	******	******	******	******	.343	31	-1.09	.30	24
PURCELL 5 SW	7327	5	37.9	31	.5	64.	25	11.	31	839.5	-16.5	.0	.0	.105	31	-1.24	.10	23
SEMINOLE	8042	5	38.9	31	.1	67.	26	11.	18	809.5	-2.5	.0	.0	.270	31	-1.21	.12	3
SHAWNEE	8110	5	*****	0	*****	****	0	****	0	******	******	******	******	.131	31	-1.24	.07	3
STELLA	8479	5	*****	0	*****	****	0	****	0	******	******	******	******	.300	31	*****	.10	3
STILLWATER 2 W	8501	5	35.0	31	1.4	64.	27	8.	18	929.0	-44.0	.0	.0	.051	31	-1.10	.04	17
STROUD 1 N	8563	5	*****	0	*****	****	0	****	0	******	******	******	******	.164	31	*****	.07	3
UNION CITY 1 SE	9086	5	*****	0	*****	****	0	****	0	******	******	******	******	.224	31	-1.14	.09	31
WELTY 1 SSE	9479	5	*****	0	*****	****	0	****	0	******	******	******	******	.253	31	*****	.21	26

JANUARY 1994 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	******	******	******	******	1.804	31	*****	1.00	26
BEGGS	631	6	*****	0	*****	****	0	****	0	******	******	******	******	.350	31	*****	.35	27
BOYNTON	1027	6	*****	0	*****	****	0	****	0	******	******	******	******	1.703	31	*****	1.05	26
CALVIN	1391	6	*****	0	*****	****	0	****	0	******	******	******	******	.610	31	-.99	.30	16
CHECOTAH	1711	6	*****	0	*****	****	0	****	0	******	******	******	******	1.934	31	.30	1.08	26
CLAYTON 14 WNW	1858	6	*****	0	*****	****	0	****	0	******	******	******	******	2.090	31	*****	.90	17
DEWAR 2 NE	2485	6	*****	0	*****	****	0	****	0	******	******	******	******	.600	31	-.98	.30	26
DUSTIN	2690	6	*****	0	*****	****	0	****	0	******	******	******	******	.940	31	*****	.39	26
EUFAULA	2993	6	38.6	31	-.3	70.	25	13.	17	817.5	8.5	.0	.0	1.710	31	-.12	.85	17
HANNA	3884	6	37.9	31	-.1	70.	26	12.	18	840.0	3.0	.0	.0	1.253	31	-.48	.80	26
HARTSHORNE	3946	6	*****	0	*****	****	0	****	0	******	******	******	******	1.480	31	*****	.57	17
HASKELL	3956	6	*****	0	*****	****	0	****	0	******	******	******	******	1.582	31	-.28	.64	26
HOLDENVILLE	4235	6	37.9	31	-.4	68.	26	12.	19	840.5	12.5	.0	.0	.392	31	-1.02	.13	3
LAKE EUFAULA	4975	6	35.4	29	*****	69.	26	10.	18	857.5	******	.0	******	2.054	29	*****	1.39	26
LYONS 2 N	5437	6	*****	0	*****	****	0	****	0	******	******	******	******	1.601	31	-.19	.64	26
MARBLE CITY	5546	6	*****	0	*****	****	0	****	0	******	******	******	******	2.206	31	*****	.77	17
MCALESTER FAA	5664	6	39.8	31	2.2	75.	25	15.	19	782.0	-67.0	.0	.0	1.853	31	-.14	.69	26
MCCURTAIN 1 SE	5693	6	39.5	31	.2	74.	25	12.	8	789.5	-7.5	.0	.0	1.755	31	-.41	.55	17
MUSKOGEE	6130	6	36.5	31	-.8	67.	25	12.	19	884.5	25.5	.0	.0	2.410	31	.61	1.94	26
OKMULGEE W W	6670	6	34.5	30	-.3	68.	27	10.	18	916.5	-19.5	.0	.0	.691	31	-.94	.33	27
OKTAHA 2 NE	6678	6	*****	0	*****	****	0	****	0	******	******	******	******	1.870	31	*****	1.36	26
QUINTON	7372	6	*****	0	*****	****	0	****	0	******	******	******	******	3.092	31	1.14	1.60	26
SALLISAW 2 NE	7862	6	36.8	31	-1.1	71.	25	12.	18	874.5	34.5	.0	.0	.222	31	-1.78	.22	17
SCIPIO	7979	6	*****	0	*****	****	0	****	0	******	******	******	******	1.040	31	*****	.76	26
SCRAPER	7993	6	*****	0	*****	****	0	****	0	******	******	******	******	1.710	31	*****	.67	26
SHORT	8170	6	*****	0	*****	****	0	****	0	******	******	******	******	2.690	31	*****	1.03	17
TAHLEQUAH	8677	6	35.5	31	-.8	67.	25	8.	18	913.0	23.0	.0	.0	1.622	31	-.39	.64	25
WEBBERS FALLS	9445	6	34.5	31	-.8	69.	26	10.	18	945.0	24.0	.0	.0	2.112	31	.30	.69	17
WESTVILLE	9523	6	*****	0	*****	****	0	****	0	******	******	******	******	1.160	31	*****	.86	23
WETUMKA 3 NE	9571	6	*****	0	*****	****	0	****	0	******	******	******	******	.490	31	-1.00	.20	3

JANUARY 1994 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 IRR STA	179	7	39.6	31	.1	73.	5	6.	31	786.5	-4.5	.0	.0	.190	31	-.65	.11	31
ALTUS DAM	184	7	38.0	31	1.6	75.	6	6.	31	837.0	-50.0	.0	.0	.300	31	-.47	.20	31
ANADARKO	224	7	37.6	31	1.2	66.	6	9.	31	849.5	-37.5	.0	.0	.003	30	*****	.00	24
APACHE	260	7	*****	0	*****	****	0	****	0	******	******	******	******	.350	31	-.75	.27	31
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	******	******	******	******	.151	29	*****	.11	30
CARNEGIE 2 ENE	1504	7	38.2	31	1.4	70.	6	3.	31	830.0	-44.0	.0	.0	.170	31	-.76	.09	31
CHATTANOOGA	1706	7	39.3	31	.6	71.	5	10.	31	796.5	-18.5	.0	.0	.150	31	-.81	.09	23
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	******	******	******	******	.202	31	*****	.11	22
FREDERICK	3353	7	38.1	31	.4	72.	6	9.	31	834.5	-11.5	.0	.0	.170	31	-.74	.13	22
GRANDFIELD 4 NW	3709	7	*****	0	*****	****	0	****	0	******	******	******	******	.110	31	-.98	.06	22
HEADRICK	3998	7	*****	0	*****	****	0	****	0	******	******	******	******	.390	31	*****	.30	30
HOBART FAA APT	4204	7	37.2	31	.2	64.	5	5.	31	860.5	-7.5	.0	.0	.191	31	-.59	.07	30
HOLLIS	4249	7	38.2	31	-.3	80.	5	4.	31	830.0	8.0	.0	.0	.261	31	-.33	.19	31
LAWTON	5063	7	37.6	31	.8	70.	6	11.	31	850.5	-23.5	.0	.0	.190	31	-.87	.16	31
FORT SILL	5068	7	38.9	31	*****	70.	5	11.	31	810.0	******	.0	******	.086	31	*****	.08	30
LOOKEBA 2 ENE	5329	7	*****	0	*****	****	0	****	0	******	******	******	******	.200	31	-.78	.12	31
MANGUM RES STA	5509	7	38.0	31	-.2	74.	5	4.	31	836.0	5.0	.0	.0	.100	31	-.65	.10	31
RANDLETT 9 E	7403	7	*****	0	*****	****	0	****	0	******	******	******	******	.212	31	*****	.09	23
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	******	******	******	******	.150	31	-.71	.09	31
SEDAN	8016	7	*****	0	*****	****	0	****	0	******	******	******	******	.200	31	*****	.20	31
SNYDER	8299	7	*****	0	*****	****	0	****	0	******	******	******	******	.340	31	-.56	.23	31
VINSON 3 WNW	9212	7	*****	0	*****	****	0	****	0	******	******	******	******	.411	31	-.07	.22	31
WALTERS	9278	7	39.7	28	*****	70.	5	12.	31	709.5	******	.0	******	.070	28	*****	.07	23
WICHITA MT WLR	9629	7	36.5	31	.9	67.	6	7.	31	885.0	-26.0	.0	.0	.251	31	-.93	.25	31
WILLOW	9668	7	*****	0	*****	****	0	****	0	******	******	******	******	.292	31	*****	.20	31

JANUARY 1994 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

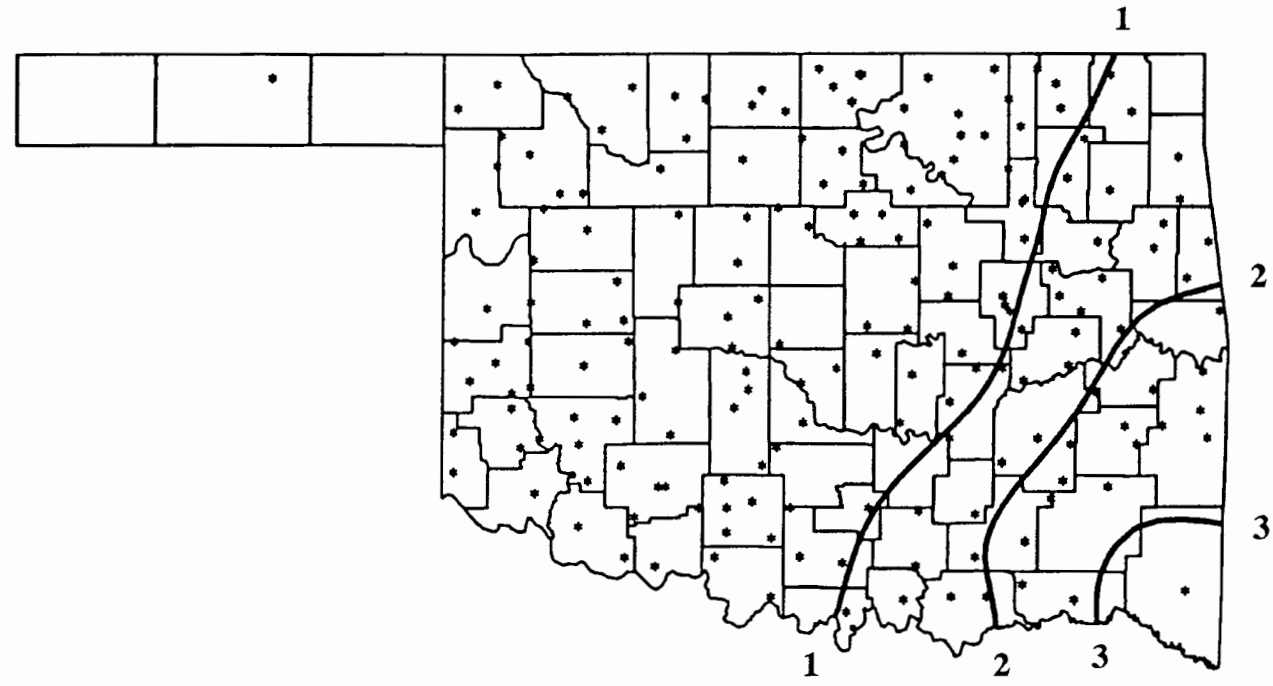
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ADA	17	8	37.9	31	-1.1	67.	26	11.	19	839.0	33.0	.0	.0	.912	31	-.55	.40	17
ALLEN	147	8	*****	0	*****	****	0	****	0	******	******	******	******	1.340	31	*****	.55	26
ARDMORE	292	8	41.1	30	-.6	70.	25	13.	18	716.0	-6.0	.0	.0	.720	31	-.74	.38	16
ATOKA DAM	394	8	41.1	20	*****	72.	26	15.	18	478.0	******	.5	******	1.110	20	*****	.32	26
BOKCHITO	917	8	*****	0	*****	****	0	****	0	******	******	******	******	1.290	31	*****	.45	25
CANEY	1437	8	38.9	27	*****	71.	26	12.	18	704.0	******	.0	******	3.040	31	*****	1.14	17
CHICKASAW NRA	1745	8	38.9	31	2.2	69.	26	13.	19	808.0	-69.0	.0	.0	1.030	31	-.41	.45	17
COMANCHE	2054	8	*****	0	*****	****	0	****	0	******	******	******	******	.270	31	-.96	.16	23
DAISY 4 ENE	2354	8	*****	0	*****	****	0	****	0	******	******	******	******	2.294	31	-.03	.93	16
DUNCAN	2660	8	38.7	31	1.2	68.	6	12.	31	814.0	-39.0	.0	.0	.242	31	-.95	.16	23
DURANT USDA	2678	8	39.8	31	1.6	73.	26	14.	19	784.5	-46.5	2.0	2.0	1.380	31	-.62	.77	11
FARRIS 3 WNW	3083	8	*****	0	*****	****	0	****	0	******	******	******	******	1.750	31	-.37	.75	17
GRADY	3688	8	*****	0	*****	****	0	****	0	******	******	******	******	.710	31	*****	.30	16
HEALDTON	4001	8	40.7	31	1.3	70.	25	13.	18	754.0	-40.0	.0	.0	.421	31	-.99	.24	17
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	******	******	******	******	.390	31	*****	.28	11
KETCHUM RANCH	4780	8	*****	0	*****	****	0	****	0	******	******	******	******	.170	31	*****	.10	22
KINGSTON	4865	8	*****	0	*****	****	0	****	0	******	******	******	******	1.570	31	-.38	.62	17
LEHIGH	5108	8	*****	0	*****	****	0	****	0	******	******	******	******	2.202	31	*****	.55	26
LINDSAY 2 W	5216	8	37.6	31	-.6	64.	6	11.	31	849.5	18.5	.0	.0	.137	31	-1.13	.13	23
LOCO 6 SE	5247	8	*****	0	*****	****	0	****	0	******	******	******	******	.540	31	*****	.25	17
MADILL	5468	8	41.5	31	1.1	72.	25	14.	18	730.0	-33.0	.0	.0	1.500	31	-.35	.56	25
MARIETTA	5563	8	42.4	31	1.7	73.	25	14.	18	699.5	-53.5	.0	.0	1.090	31	-.35	.40	17
MARLOW 1 WSW	5581	8	39.9	31	1.5	67.	6	10.	31	777.0	-48.0	.0	.0	.220	31	-.85	.07	23
MCGEE CREEK DAM	5713	8	39.2	31	*****	74.	26	12.	20	803.0	******	2.0	******	2.182	31	*****	1.04	17
PAULS VALLEY	6926	8	38.6	31	-.2	65.	26	12.	18	818.0	6.0	.0	.0	.183	31	-1.29	.15	23
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	******	******	******	******	.820	31	-.72	.37	16
TISHOMINGO NWLR	8884	8	40.9	19	*****	74.	25	11.	19	458.0	******	.0	******	1.660	31	-.06	.57	17
TUSSY	9032	8	*****	0	*****	****	0	****	0	******	******	******	******	.721	31	*****	.55	11
WAURIKA	9395	8	40.5	31	.0	72.	5	12.	18	758.5	-1.5	.0	.0	1.082	30	*****	.50	11
WAURIKA DAM	9399	8	39.0	31	*****	69.	6	9.	18	804.5	******	.0	******	.353	31	*****	.19	23

JANUARY 1994 SUMMARY FOR SOUTHEAST DIVISION (CD9)

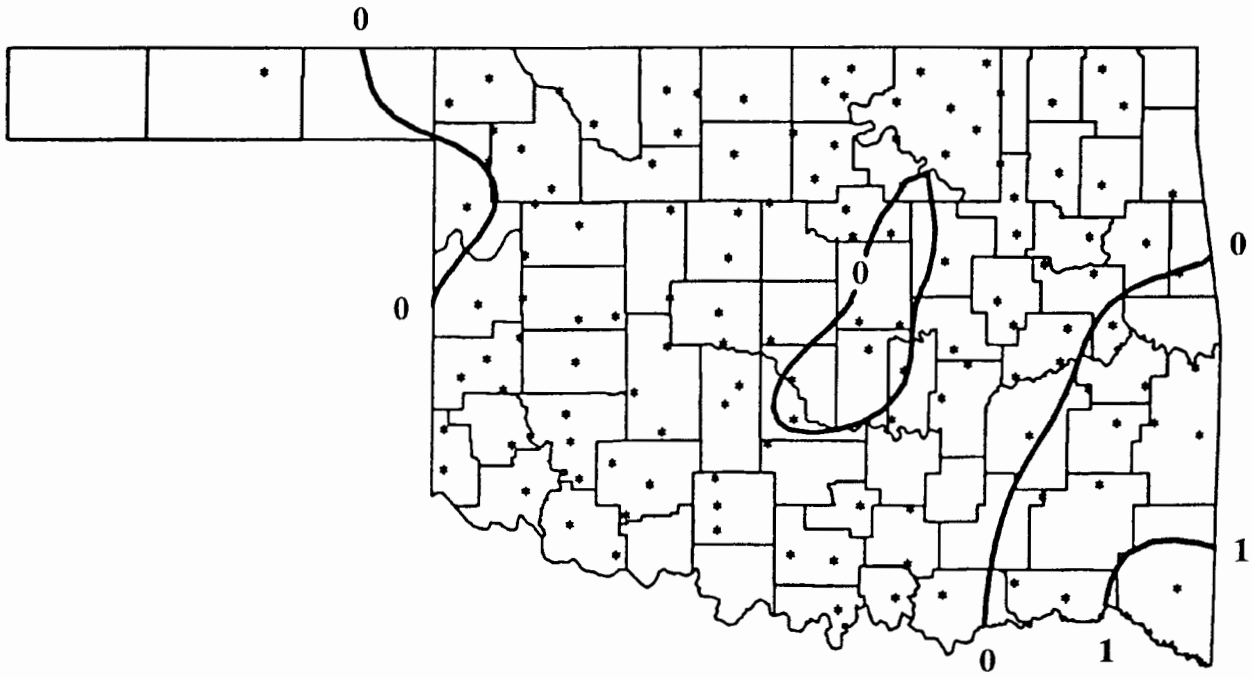
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	40.4	30	.2	72.	24	13.	8	739.0	-30.0	.0	.0	.000	30	*****	.00	30
BATTIEST 1 SSW	567	9	38.0	31	*****	66.	26	11.	8	837.5	******	.0	******	5.570	31	*****	1.49	27
BEAR MT TWR	584	9	40.3	20	*****	65.	26	16.	21	494.0	******	.0	******	3.981	29	*****	1.36	17
BENGAL	670	9	*****	0	*****	****	0	****	0	******	******	******	******	3.611	31	*****	1.27	26
BOSWELL 4 NNW	980	9	41.4	31	1.0	73.	25	14.	27	730.5	-32.5	.0	.0	1.875	31	-.16	.77	17
BROKEN BOW 1 N	1162	9	*****	0	*****	****	0	****	0	******	******	******	******	4.701	31	2.14	1.65	15
BROKEN BOW DAM	1168	9	41.6	31	2.3	70.	27	17.	8	724.0	-73.0	.0	.0	4.841	31	1.96	1.90	16
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	******	******	******	******	3.820	31	1.23	1.28	26
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	******	******	******	******	3.620	31	1.44	1.07	17
HEAVENER 1 SE	4008	9	*****	0	*****	****	0	****	0	******	******	******	******	.562	31	-1.60	.38	11
HEE MT TWR	4017	9	*****	0	*****	****	0	****	0	******	******	******	******	5.860	31	3.17	1.71	17
HUGO	4384	9	42.0	31	.1	70.	27	15.	18	711.5	-4.5	.0	.0	3.353	31	1.19	1.35	17
IDABEL	4451	9	41.3	31	1.4	71.	27	16.	18	736.0	-42.0	.0	.0	3.291	31	.57	1.11	17
POTEAU W W	7254	9	37.2	31	*****	74.	25	11.	7	861.5	******	.0	******	2.304	31	*****	.95	25
SMITHVILLE 1 W	8285	9	37.5	31	-1.2	66.	25	10.	8	853.0	38.0	.0	.0	4.825	31	1.84	1.40	17
SPIRO	8416	9	*****	0	*****	****	0	****	0	******	******	******	******	3.251	31	1.17	1.17	23
TUSKAHOMA	9023	9	39.8	31	-.5	73.	25	11.	8	780.0	14.0	.0	.0	3.983	31	1.96	2.15	17
VALLIANT 3 W	9118	9	*****	0	*****	****	0	****	0	******	******	******	******	3.783	31	1.47	.93	17
WILBURTON 9 ENE	9634	9	38.2	31	-.2	73.	25	11.	8	830.0	5.0	.0	.0	1.901	31	-.34	.50	26

JANUARY 1994 CLIMATE DIVISION SUMMARY

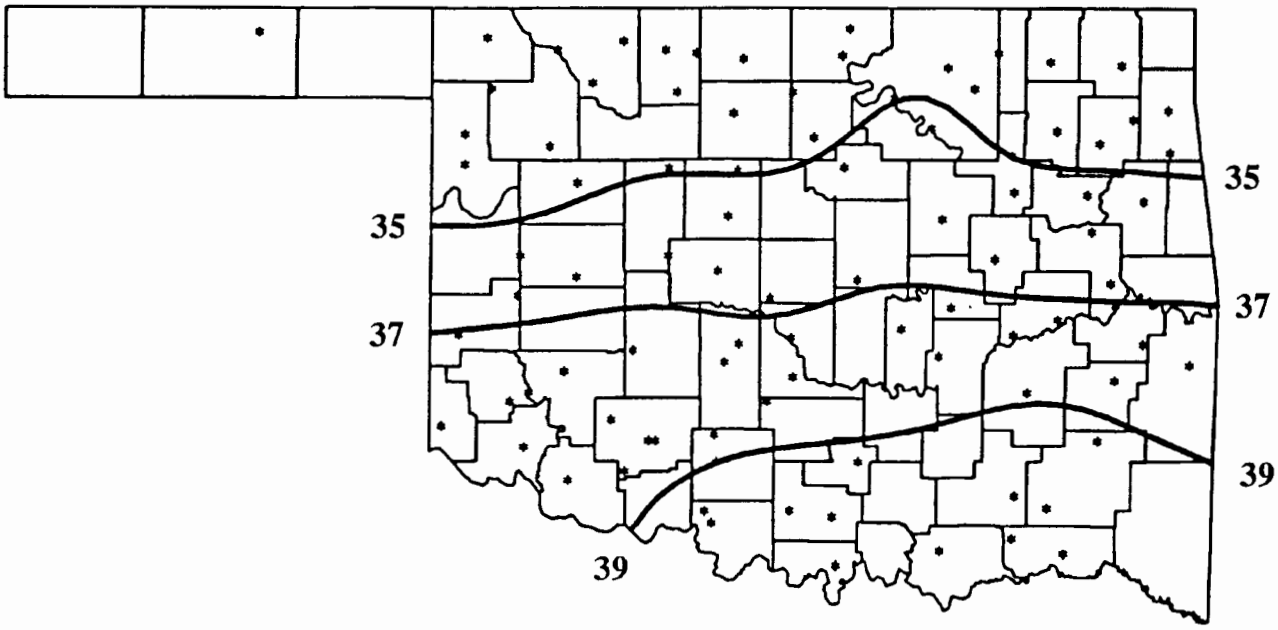
CLIMATE DIV	MEAN TEMP	NUM STA	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEGREE DAYS	DEV FROM NORM	COOL DEGREE DAYS	DEV FROM NORM	TOT PPT	NUM STA	DEV FROM NORM	MAX 24-HR	DAY
1	34.2	10	1.3	76.0	6	-3.0	31	947.6	-45.2	.0	.0	.47	12	.07	.49	26
2	34.0	14	.4	74.0	6	-4.0	31	957.2	-17.6	.0	.0	.28	24	-.50	.50	6
3	34.5	16	.1	69.0	26	3.0	8	941.8	-7.7	.0	.0	.68	29	-.78	1.00	26
4	36.0	8	.6	78.0	5	.0	31	898.3	-18.1	.0	.0	.47	19	-.21	.94	31
5	36.7	13	.0	68.0	26	7.0	31	876.4	-2.1	.0	.0	.18	29	-1.03	.30	24
6	37.1	10	-.2	75.0	25	8.0	18	860.3	3.7	.0	.0	1.48	29	-.30	1.94	26
7	38.1	12	.5	80.0	5	3.0	31	833.8	-14.4	.0	.0	.22	22	-.70	.30	30
8	39.7	14	.6	74.0	25	9.0	18	782.5	-20.3	.3	.3	1.04	28	-.54	1.14	17
9	39.7	10	-.3	74.0	25	10.0	8	780.3	7.2	.0	.0	3.60	17	1.21	2.15	17



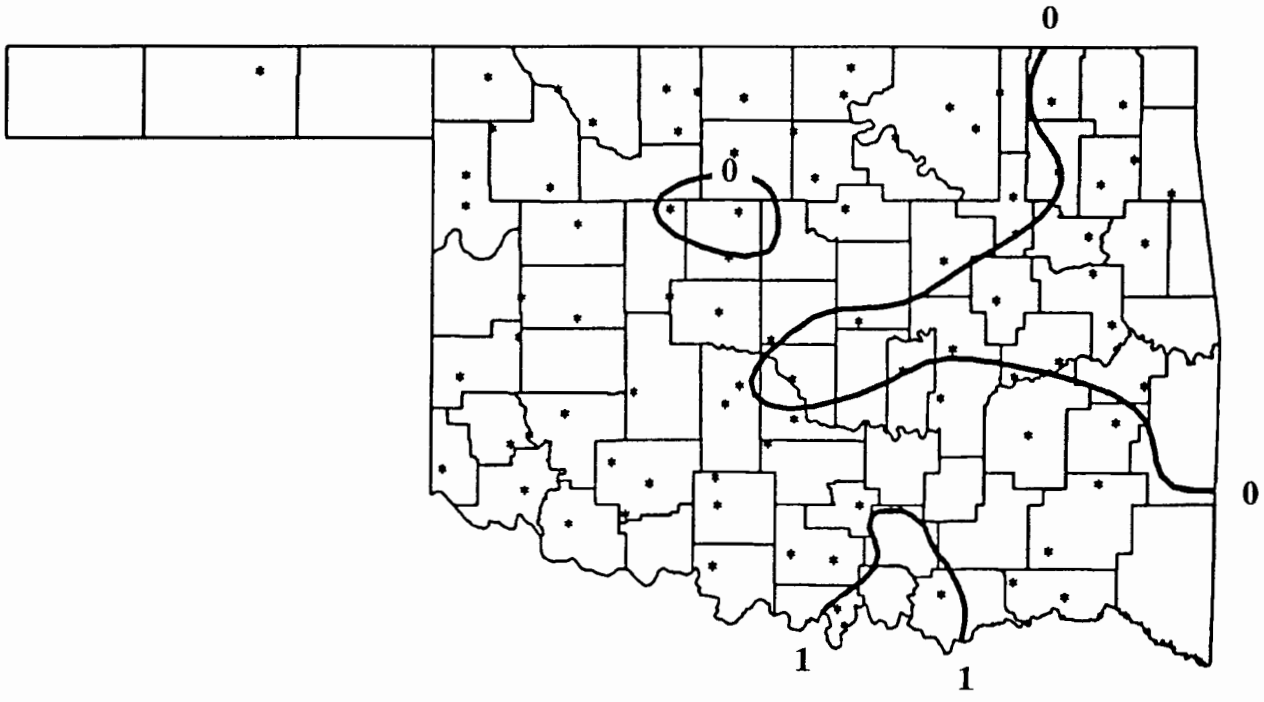
JANUARY 1994 TOTAL PRECIPITATION
(Inches)



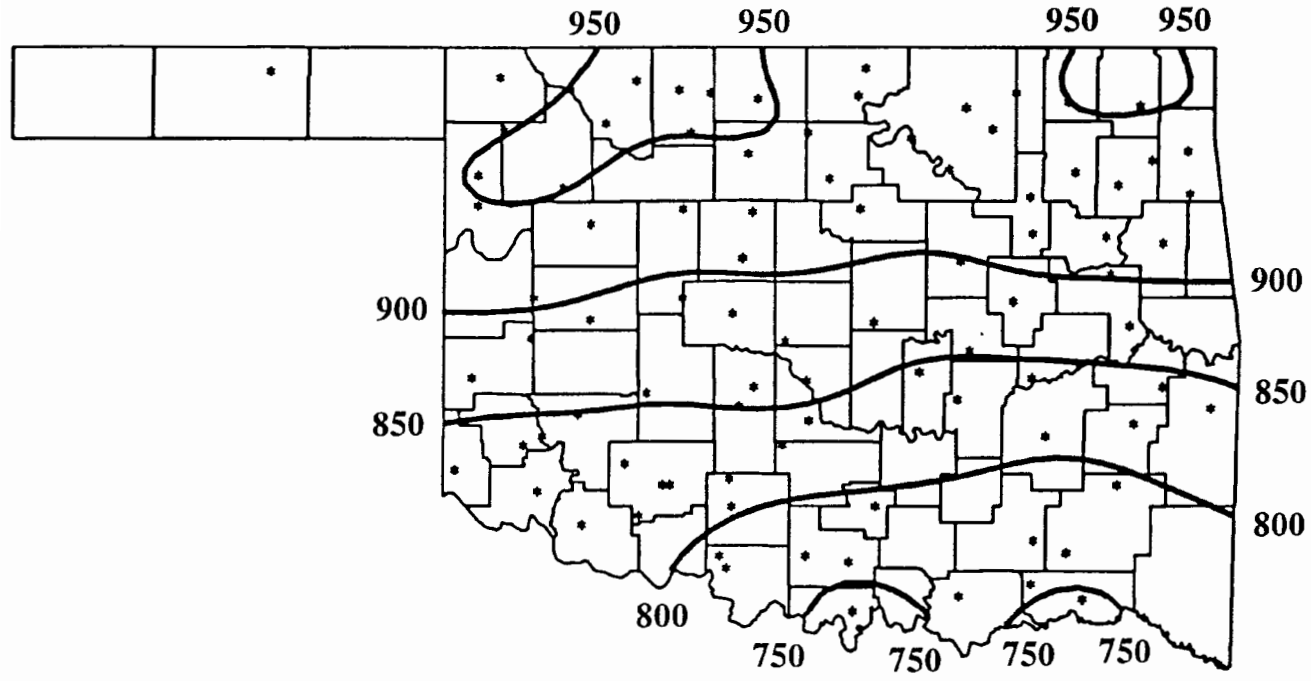
JANUARY 1994 DEVIATION FROM NORMAL PRECIPITATION
(Inches)



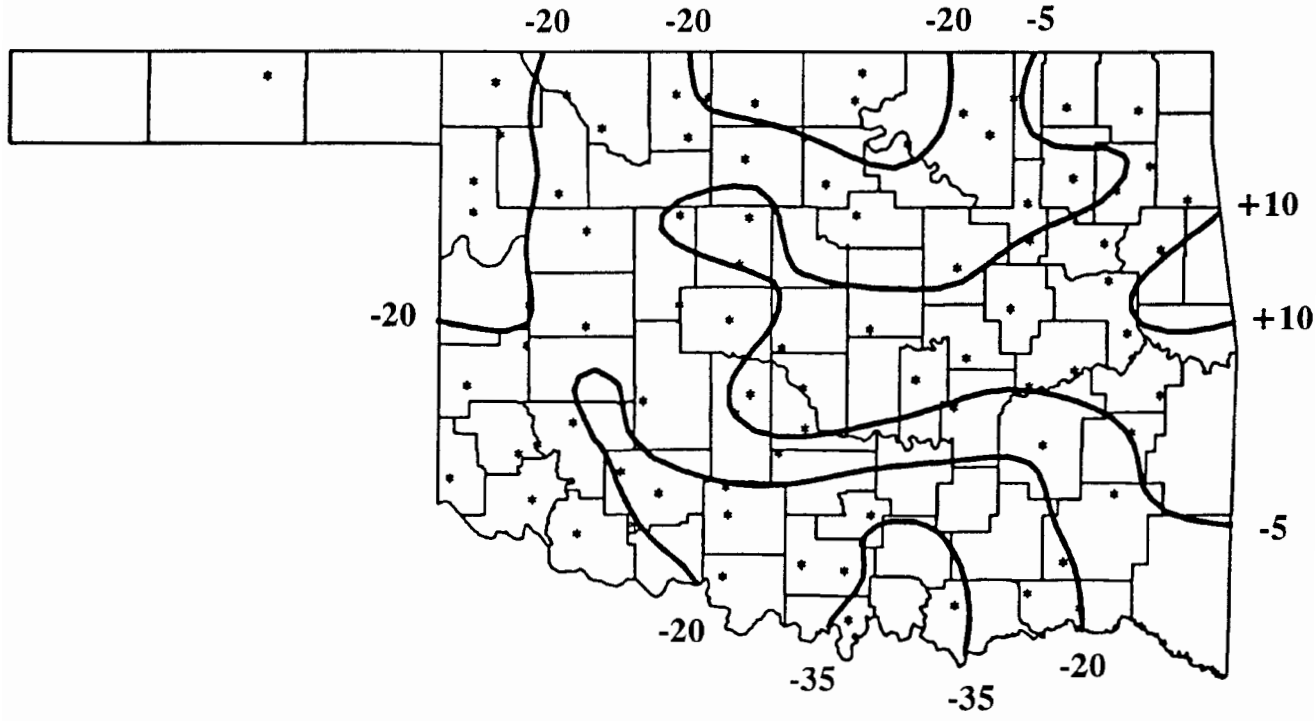
JANUARY 1994 AVERAGE MONTHLY TEMPERATURES
(Degrees F)



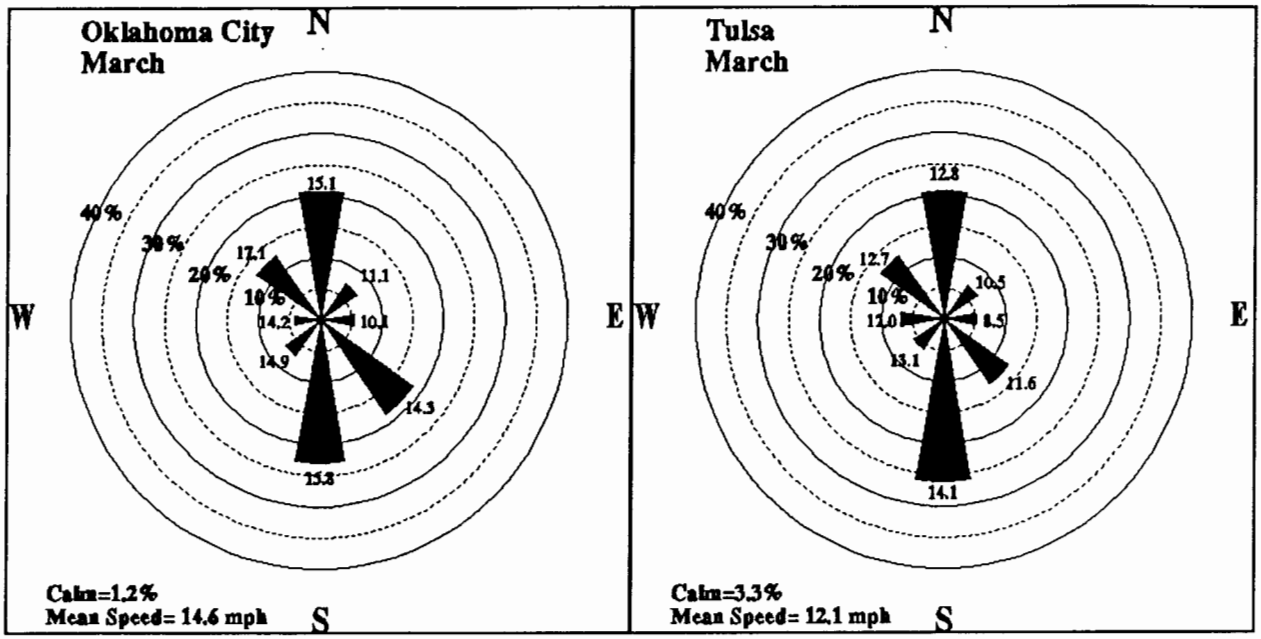
JANUARY 1994 DEVIATION FROM NORMAL TEMPERATURES
(Degrees F)



JANUARY 1994 HEATING DEGREE DAYS



JANUARY 1994 DEVIATION FROM NORMAL HEATING DEGREE DAYS



March Wind Roses for Oklahoma City and Tulsa. Percents represent the frequency of winds from each direction. The numbers at the ends of the bars indicate the average wind speed (miles per hour) from that direction.

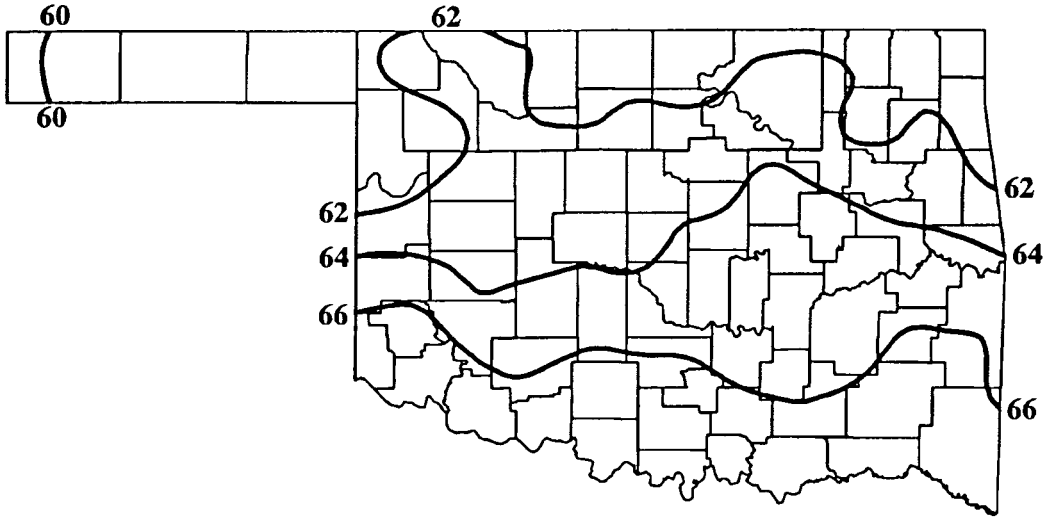
MARCH 1994 SUNRISE AND SUNSET

OKLAHOMA CITY

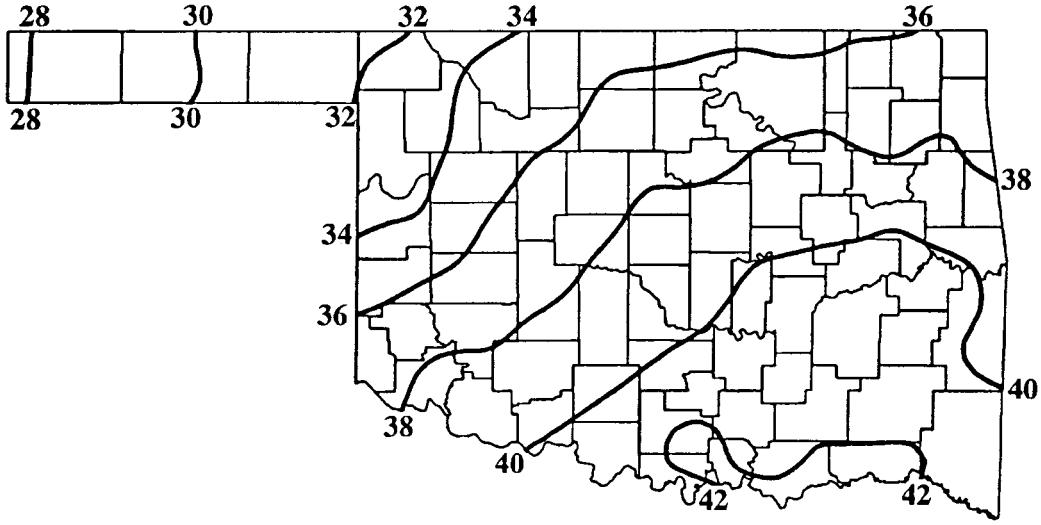
DATE	SUNRISE	SUNSET	DAYLIGHT
94 3 1	7: 2AM	6:25PM cst	11 hrs 23 mins
94 3 2	7: 0AM	6:26PM cst	11 hrs 25 mins
94 3 3	6:59AM	6:26PM cst	11 hrs 27 mins
94 3 4	6:58AM	6:27PM cst	11 hrs 29 mins
94 3 5	6:57AM	6:28PM cst	11 hrs 32 mins
94 3 6	6:55AM	6:29PM cst	11 hrs 34 mins
94 3 7	6:54AM	6:30PM cst	11 hrs 36 mins
94 3 8	6:53AM	6:31PM cst	11 hrs 38 mins
94 3 9	6:51AM	6:32PM cst	11 hrs 41 mins
94 310	6:50AM	6:33PM cst	11 hrs 43 mins
94 311	6:48AM	6:33PM cst	11 hrs 45 mins
94 312	6:47AM	6:34PM cst	11 hrs 47 mins
94 313	6:46AM	6:35PM cst	11 hrs 49 mins
94 314	6:44AM	6:36PM cst	11 hrs 52 mins
94 315	6:43AM	6:37PM cst	11 hrs 54 mins
94 316	6:41AM	6:38PM cst	11 hrs 56 mins
94 317	6:40AM	6:38PM cst	11 hrs 58 mins
94 318	6:39AM	6:39PM cst	12 hrs 1 mins
94 319	6:37AM	6:40PM cst	12 hrs 3 mins
94 320	6:36AM	6:41PM cst	12 hrs 5 mins
94 321	6:34AM	6:42PM cst	12 hrs 7 mins
94 322	6:33AM	6:43PM cst	12 hrs 10 mins
94 323	6:31AM	6:43PM cst	12 hrs 12 mins
94 324	6:30AM	6:44PM cst	12 hrs 14 mins
94 325	6:29AM	6:45PM cst	12 hrs 16 mins
94 326	6:27AM	6:46PM cst	12 hrs 19 mins
94 327	6:26AM	6:47PM cst	12 hrs 21 mins
94 328	6:24AM	6:47PM cst	12 hrs 23 mins
94 329	6:23AM	6:48PM cst	12 hrs 25 mins
94 330	6:21AM	6:49PM cst	12 hrs 28 mins
94 331	6:20AM	6:50PM cst	12 hrs 30 mins

TULSA

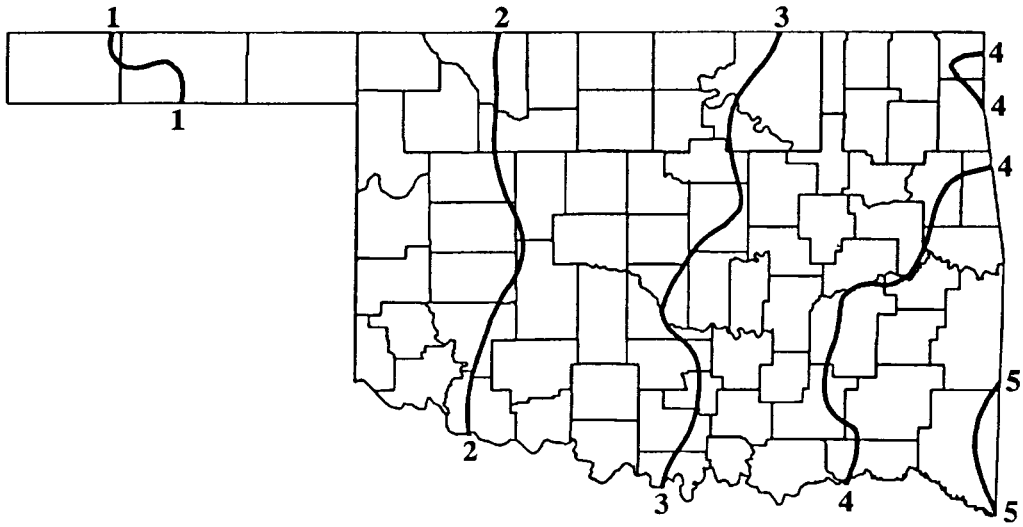
DATE	SUNRISE	SUNSET	DAYLIGHT
94 3 1	6:56AM	6:17PM cst	11 hrs 22 mins
94 3 2	6:54AM	6:18PM cst	11 hrs 24 mins
94 3 3	6:53AM	6:19PM cst	11 hrs 26 mins
94 3 4	6:52AM	6:20PM cst	11 hrs 28 mins
94 3 5	6:50AM	6:21PM cst	11 hrs 31 mins
94 3 6	6:49AM	6:22PM cst	11 hrs 33 mins
94 3 7	6:48AM	6:23PM cst	11 hrs 35 mins
94 3 8	6:46AM	6:24PM cst	11 hrs 38 mins
94 3 9	6:45AM	6:25PM cst	11 hrs 40 mins
94 310	6:43AM	6:25PM cst	11 hrs 42 mins
94 311	6:42AM	6:26PM cst	11 hrs 44 mins
94 312	6:41AM	6:27PM cst	11 hrs 47 mins
94 313	6:39AM	6:28PM cst	11 hrs 49 mins
94 314	6:38AM	6:29PM cst	11 hrs 51 mins
94 315	6:36AM	6:30PM cst	11 hrs 54 mins
94 316	6:35AM	6:31PM cst	11 hrs 56 mins
94 317	6:33AM	6:32PM cst	11 hrs 58 mins
94 318	6:32AM	6:32PM cst	12 hrs 1 mins
94 319	6:30AM	6:33PM cst	12 hrs 3 mins
94 320	6:29AM	6:34PM cst	12 hrs 5 mins
94 321	6:28AM	6:35PM cst	12 hrs 7 mins
94 322	6:26AM	6:36PM cst	12 hrs 10 mins
94 323	6:25AM	6:37PM cst	12 hrs 12 mins
94 324	6:23AM	6:38PM cst	12 hrs 14 mins
94 325	6:22AM	6:38PM cst	12 hrs 17 mins
94 326	6:20AM	6:39PM cst	12 hrs 19 mins
94 327	6:19AM	6:40PM cst	12 hrs 21 mins
94 328	6:17AM	6:41PM cst	12 hrs 24 mins
94 329	6:16AM	6:42PM cst	12 hrs 26 mins
94 330	6:14AM	6:43PM cst	12 hrs 28 mins
94 331	6:13AM	6:43PM cst	12 hrs 31 mins



March Normal Daily Maximum Temperatures (°F)



March Normal Daily Minimum Temperatures (°F)



March Normal Monthly Precipitation (inches)

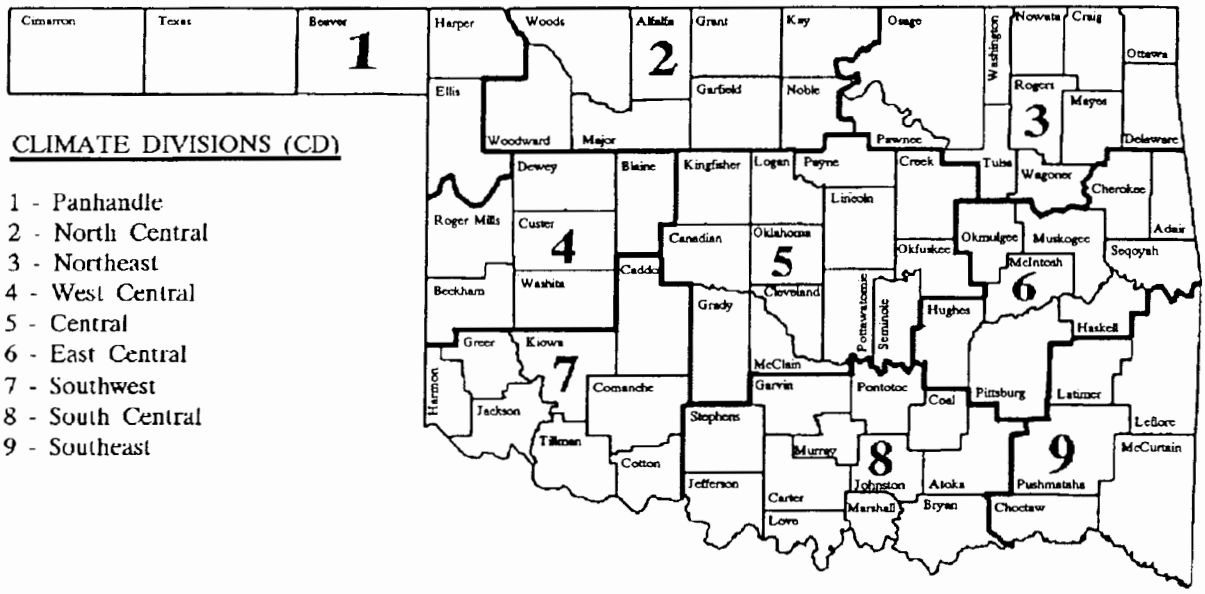
90-DAY NATIONAL WEATHER SERVICE OUTLOOK

(FEBRUARY 1994 - APRIL 1994)

Precipitation - Near Normal Statewide

Temperature - Above Normal Statewide

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 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

March 1994

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 1	Actual	Normal 2	Actual	Normal 3	Actual	Normal 4	Actual	Normal 5	Actual	Normal 6	Actual	Normal 7	Actual
58.6 max		58.5 max		57.2 max		54.8 max		55.1 max		58.5 max		57.5 max	
33.5 min		35.6 min		34.5 min		31.8 min		33.0 min		34.0 min		34.7 min	
.10 ppt		.11 ppt		.12 ppt		.04 ppt		.03 ppt		.06 ppt		.05 ppt	
19 hdd		18 hdd		19 hdd		22 hdd		21 hdd		19 hdd		19 hdd	
0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd	
Highest Max 85-1976		Highest Max 88-1904		Highest Max 84-1955		Highest Max 84-1938		Highest Max 91-1991		Highest Max 83-1974		Highest Max 83-1925	
Lowest Max 20-1980		Lowest Max 23-1943		Lowest Max 18-1960		Lowest Max 18-1960		Lowest Max 24-1920		Lowest Max 21-1943		Lowest Max 22-1932	
Lowest Min 4-1913		Lowest Min 6-1922		Lowest Min 3-1960		Lowest Min 8-1960		Lowest Min 10-1960		Lowest Min 8-1943		Lowest Min 7-1920	
Highest Min 56-1940		Highest Min 62-1976		Highest Min 59-1955		Highest Min 50-1938		Highest Min 59-1921		Highest Min 58-1911		Highest Min 61-1974	
Greatest ppt 1.71-1948		Greatest ppt 2.04-1988		Greatest ppt 1.46-1985		Greatest ppt .57-1933		Greatest ppt 2.13-1894		Greatest ppt 1.45-1973		Greatest ppt 1.33-1905	

Normal 8	Actual	Normal 9	Actual	Normal 10	Actual	Normal 11	Actual	Normal 12	Actual	Normal 13	Actual	Normal 14	Actual
57.2 max		60.3 max		61.6 max		59.6 max		59.3 max		59.8 max		62.5 max	
35.0 min		36.8 min		38.1 min		38.4 min		37.1 min		36.7 min		36.7 min	
.11 ppt		.05 ppt		.14 ppt		.13 ppt		.04 ppt		.02 ppt		.07 ppt	
19 hdd		17 hdd		15 hdd		16 hdd		17 hdd		17 hdd		16 hdd	
0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd	
Highest Max 84-1911		Highest Max 89-1911		Highest Max 89-1955		Highest Max 93-1967		Highest Max 90-1967		Highest Max 90-1967		Highest Max 84-1938	
Lowest Max 26-1932		Lowest Max 29-1932		Lowest Max 26-1932		Lowest Max 16-1948		Lowest Max 27-1950		Lowest Max 34-1924		Lowest Max 26-1895	
Lowest Min 9-1967		Lowest Min 11-1932		Lowest Min 4-1948		Lowest Min 1-1948		Lowest Min 4-1948		Lowest Min 14-1950		Lowest Min 13-1895	
Highest Min 60-1897		Highest Min 61-1986		Highest Min 51-1990		Highest Min 61-1911		Highest Min 59-1972		Highest Min 66-1918		Highest Min 56-1955	
Greatest ppt 1.38-1974		Greatest ppt .88-1913		Greatest ppt 1.48-1974		Greatest ppt 2.16-1902		Greatest ppt 1.30-1898		Greatest ppt 1.39-1922		Greatest ppt 1.04-1990	

Normal 15	Actual	Normal 16	Actual	Normal 17	Actual	Normal 18	Actual	Normal 19	Actual	Normal 20	Actual	Normal 21	Actual
59.4 max		60.7 max		63.6 max		62.3 max		61.6 max		61.9 max		60.3 max	
37.7 min		38.0 min		38.4 min		39.3 min		38.9 min		38.4 min		36.7 min	
.02 ppt		.07 ppt		.07 ppt		.05 ppt		.07 ppt		.19 ppt		.04 ppt	
16 hdd		16 hdd		14 hdd		14 hdd		15 hdd		15 hdd		17 hdd	
0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd	
Highest Max 84-1943		Highest Max 84-1908		Highest Max 91-1908		Highest Max 89-1907		Highest Max 97-1907		Highest Max 92-1907		Highest Max 95-1916	
Lowest Max 28-1892		Lowest Max 28-1892		Lowest Max 24-1992		Lowest Max 30-1965		Lowest Max 26-1965		Lowest Max 33-1913		Lowest Max 29-1955	
Lowest Min 13-1895		Lowest Min 18-1895		Lowest Min 11-1892		Lowest Min 9-1923		Lowest Min 10-1923		Lowest Min 12-1965		Lowest Min 16-1913	
Highest Min 58-1919		Highest Min 56-1945		Highest Min 58-1921		Highest Min 62-1898		Highest Min 63-1921		Highest Min 64-1935		Highest Min 64-1907	
Greatest ppt 2.34-1944		Greatest ppt 1.25-1987		Greatest ppt .85-1905		Greatest ppt .48-1968		Greatest ppt 1.73-1903		Greatest ppt 2.18-1985		Greatest ppt 1.23-1921	

Normal 22	Actual	Normal 23	Actual	Normal 24	Actual	Normal 25	Actual	Normal 26	Actual	Normal 27	Actual	Normal 28	Actual
64.4 max		63.3 max		61.4 max		61.0 max		63.1 max		65.2 max		66.2 max	
37.8 min		38.7 min		39.6 min		39.5 min		40.4 min		41.3 min		43.5 min	
.08 ppt		.19 ppt		.05 ppt		.10 ppt		.06 ppt		.10 ppt		.13 ppt	
14 hdd		14 hdd		15 hdd		15 hdd		14 hdd		12 hdd		11 hdd	
0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		1 cdd	
Highest Max 86-1951		Highest Max 88-1929		Highest Max 91-1929		Highest Max 88-1976		Highest Max 85-1972		Highest Max 90-1895		Highest Max 88-1928	
Lowest Max 33-1913		Lowest Max 36-1974		Lowest Max 36-1965		Lowest Max 33-1964		Lowest Max 33-1937		Lowest Max 32-1899		Lowest Max 36-1931	
Lowest Min 13-1955		Lowest Min 20-1898		Lowest Min 23-1965		Lowest Min 18-1955		Lowest Min 13-1955		Lowest Min 13-1913		Lowest Min 16-1931	
Highest Min 63-1907		Highest Min 64-1907		Highest Min 64-1904		Highest Min 64-1907		Highest Min 67-1907		Highest Min 68-1907		Highest Min 62-1985	
Greatest ppt 1.37-1979		Greatest ppt 2.35-1984		Greatest ppt 1.82-1920		Greatest ppt 1.65-1922		Greatest ppt 2.02-1938		Greatest ppt 2.09-1912		Greatest ppt 2.84-1988	

Normal 29	Actual	Normal 30	Actual	Normal 31	Actual
63.3 max		63.3 max		68.0 max	
42.2 min		41.7 min		43.8 min	
.05 ppt		.13 ppt		.05 ppt	
13 hdd		13 hdd		10 hdd	
1 cdd		0 cdd		1 cdd	
Highest Max 87-1895		Highest Max 88-1904		Highest Max 94-1940	
Lowest Max 34-1987		Lowest Max 28-1926		Lowest Max 40-1901	
Lowest Min 19-1894		Lowest Min 22-1987		Lowest Min 20-1926	
Highest Min 65-1963		Highest Min 65-1895		Highest Min 62-1967	
Greatest ppt .99-1897		Greatest ppt 1.82-1963		Greatest ppt 1.29-1988	

MARCH AVERAGES

TEMPERATURE	:	49.4°F
PRECIPITATION	:	2.52"
HEATING DEGREE DAYS	:	492
COOLING DEGREE DAYS	:	3

TULSA CLIMATE CALENDAR

March 1994

The data on this calendar are for Tulsa. Normal values are calculated for the period 1948-1992. 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
58.0 max		58.0 max		58.0 max		56.0 max		56.0 max		59.0 max		58.0 max	
34.0 min		36.0 min		35.0 min		33.0 min		34.0 min		34.0 min		34.0 min	
.10 ppt		.06 ppt		.14 ppt		.16 ppt		.03 ppt		.07 ppt		.03 ppt	
19 hdd		18 hdd		18 hdd		20 hdd		20 hdd		18 hdd		19 hdd	
0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd	
Highest Max 81-1967		Highest Max 84-1976		Highest Max 82-1955		Highest Max 83-1938		Highest Max 88-1991		Highest Max 87-1956		Highest Max 83-1925	
Lowest Max 26-1980		Lowest Max 26-1960		Lowest Max 25-1960		Lowest Max 18-1960		Lowest Max 20-1960		Lowest Max 33-1960		Lowest Max 33-1957	
Lowest Min 9-1962		Lowest Min 7-1943		Lowest Min 3-1943		Lowest Min 6-1960		Lowest Min 5-1960		Lowest Min 13-1943		Lowest Min 6-1920	
Highest Min 53-1974		Highest Min 59-1970		Highest Min 64-1974		Highest Min 57-1983		Highest Min 60-1956		Highest Min 52-1990		Highest Min 66-1974	
Greatest ppt 1.63-1973		Greatest ppt 2.05-1988		Greatest ppt 1.45-1953		Greatest ppt 1.37-1963		Greatest ppt .75-1989		Greatest ppt 1.57-1973		Greatest ppt .57-1978	

Normal 8	Actual	Normal 9	Actual	Normal 10	Actual	Normal 11	Actual	Normal 12	Actual	Normal 13	Actual	Normal 14	Actual
57.0 max		59.0 max		59.0 max		59.0 max		58.0 max		59.0 max		61.0 max	
35.0 min		36.0 min		37.0 min		39.0 min		37.0 min		37.0 min		37.0 min	
.10 ppt		.08 ppt		.16 ppt		.17 ppt		.07 ppt		.05 ppt		.07 ppt	
19 hdd		17 hdd		17 hdd		17 hdd		17 hdd		17 hdd		16 hdd	
0 cdd		0 cdd		0 cdd		1 cdd		1 cdd		0 cdd		0 cdd	
Highest Max 87-1925		Highest Max 88-1911		Highest Max 91-1955		Highest Max 94-1967		Highest Max 91-1967		Highest Max 92-1967		Highest Max 85-1977	
Lowest Max 33-1960		Lowest Max 35-1964		Lowest Max 29-1948		Lowest Max 17-1948		Lowest Max 29-1950		Lowest Max 33-1975		Lowest Max 40-1969	
Lowest Min 5-1967		Lowest Min 12-1932		Lowest Min 4-1948		Lowest Min -1-1948		Lowest Min -3-1948		Lowest Min 12-1948		Lowest Min 13-1975	
Highest Min 63-1974		Highest Min 63-1990		Highest Min 60-1955		Highest Min 62-1967		Highest Min 63-1967		Highest Min 62-1990		Highest Min 54-1955	
Greatest ppt 1.53-1958		Greatest ppt .99-1964		Greatest ppt 1.91-1974		Greatest ppt 1.97-1990		Greatest ppt .67-1958		Greatest ppt .90-1953		Greatest ppt 2.09-1990	

Normal 15	Actual	Normal 16	Actual	Normal 17	Actual	Normal 18	Actual	Normal 19	Actual	Normal 20	Actual	Normal 21	Actual
60.0 max		62.0 max		63.0 max		63.0 max		62.0 max		61.0 max		60.0 max	
38.0 min		38.0 min		39.0 min		41.0 min		40.0 min		40.0 min		38.0 min	
.03 ppt		.06 ppt		.14 ppt		.09 ppt		.09 ppt		.18 ppt		.08 ppt	
16 hdd		15 hdd		14 hdd		13 hdd		14 hdd		15 hdd		16 hdd	
0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd	
Highest Max 84-1921		Highest Max 86-1908		Highest Max 88-1916		Highest Max 99-1907		Highest Max 96-1907		Highest Max 92-1907		Highest Max 98-1916	
Lowest Max 38-1960		Lowest Max 35-1960		Lowest Max 34-1970		Lowest Max 30-1965		Lowest Max 32-1955		Lowest Max 39-1983		Lowest Max 39-1974	
Lowest Min 21-1970		Lowest Min 22-1962		Lowest Min 20-1906		Lowest Min 12-1923		Lowest Min 8-1923		Lowest Min 11-1965		Lowest Min 18-1974	
Highest Min 57-1983		Highest Min 58-1982		Highest Min 55-1977		Highest Min 61-1979		Highest Min 58-1982		Highest Min 60-1991		Highest Min 63-1966	
Greatest ppt .32-1981		Greatest ppt 1.03-1970		Greatest ppt 1.45-1977		Greatest ppt 1.24-1979		Greatest ppt 1.15-1968		Greatest ppt 1.61-1962		Greatest ppt .95-1956	

Normal 22	Actual	Normal 23	Actual	Normal 24	Actual	Normal 25	Actual	Normal 26	Actual	Normal 27	Actual	Normal 28	Actual
63.0 max		64.0 max		61.0 max		60.0 max		64.0 max		66.0 max		68.0 max	
38.0 min		40.0 min		41.0 min		41.0 min		41.0 min		42.0 min		44.0 min	
.05 ppt		.28 ppt		.12 ppt		.11 ppt		.08 ppt		.08 ppt		.09 ppt	
14 hdd		13 hdd		14 hdd		14 hdd		13 hdd		11 hdd		10 hdd	
0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		1 cdd	
Highest Max 91-1907		Highest Max 91-1907		Highest Max 91-1929		Highest Max 88-1910		Highest Max 87-1918		Highest Max 88-1956		Highest Max 90-1963	
Lowest Max 40-1952		Lowest Max 33-1974		Lowest Max 30-1965		Lowest Max 28-1965		Lowest Max 34-1955		Lowest Max 41-1948		Lowest Max 46-1970	
Lowest Min 15-1955		Lowest Min 21-1968		Lowest Min 19-1966		Lowest Min 18-1955		Lowest Min 14-1955		Lowest Min 13-1913		Lowest Min 17-1931	
Highest Min 57-1991		Highest Min 59-1988		Highest Min 60-1967		Highest Min 58-1967		Highest Min 70-1991		Highest Min 59-1985		Highest Min 69-1985	
Greatest ppt 1.16-1993		Greatest ppt 2.50-1969		Greatest ppt 1.98-1973		Greatest ppt .79-1967		Greatest ppt 1.07-1977		Greatest ppt 1.85-1975		Greatest ppt 1.65-1988	

Normal 29	Actual	Normal 30	Actual	Normal 31	Actual
65.0 max		65.0 max		68.0 max	
43.0 min		43.0 min		44.0 min	
.08 ppt		.12 ppt		.09 ppt	
11 hdd		12 hdd		10 hdd	
1 cdd		1 cdd		1 cdd	
Highest Max 90-1967		Highest Max 85-1981		Highest Max 95-1974	
Lowest Max 34-1987		Lowest Max 36-1954		Lowest Max 46-1984	
Lowest Min 24-1944		Lowest Min 21-1964		Lowest Min 24-1926	
Highest Min 67-1963		Highest Min 66-1967		Highest Min 62-1967	
Greatest ppt 1.19-1985		Greatest ppt 1.78-1973		Greatest ppt 1.21-1957	

MARCH AVERAGES

TEMPERATURE	:	49.7°F
PRECIPITATION	:	3.06"
HEATING DEGREE DAYS	:	477
COOLING DEGREE DAYS	:	6