

OKLAHOMA MONTHLY SUMMARY FEBRUARY 1997

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MONTHLY SUMMARY FOR FEBRUARY 1997

Precipitation and temperature were both greater than normal throughout Oklahoma during February. Widespread wet snow and several episodes of heavy rain pushed the statewide-averaged precipitation to 4.16 inches, 2.43 inches above normal and the 2nd largest February precipitation in the state since 1892. Stations in the Panhandle missed most of the precipitation, as monthly totals there were close to normal values. Temperatures averaged 43.3 degrees, statewide, a full 2 degrees greater than normal, ranking this as the 46th warmest February on record. The Panhandle stations averaged only slightly warmer than normal, but the rest of the state enjoyed a very mild February.

The mild, moist February capped a mild winter. The much-needed precipitation overcame the dryness of the previous two months raising this winter's precipitation to a greater-than-average level. The overall temperature for the winter of 1996-97, 40.6 degrees, is 1.6 degrees above normal, ranking this as the 38th warmest winter of the 105 years for which records are available. Statewide seasonal precipitation, totaling 5.18 inches, was 0.48 inches greater than normal and 41st highest all-time.

Daytime temperatures on the 1st were in the 60s and 70s statewide, reaching the upper 70s over much of southeastern Oklahoma. Cooler air arrived on the 6th, bringing with it substantial snow over the western half of the state (except the Panhandle) and a soaking rain to the state's eastern half. Taloga (Dewey County) reported 11 inches of snow from the 6th through the morning of the 8th. Thomas (Custer), Watonga (Blaine), and Cedardale (Woodward) each reported snowfall accumulations of 8 inches. The snow fell with little wind, melting rapidly as temperatures remained near freezing. Temperatures in the wake of the snow storm fell into the teens in many areas, reaching a lowest value of 9 degrees at Kenton (Cimarron). Two separate snow storms affected the state on the 13th when Boise City (Cimarron) in the Panhandle received 3.5 inches and Zoe (LeFlore) in the southeast reported 5 inches.

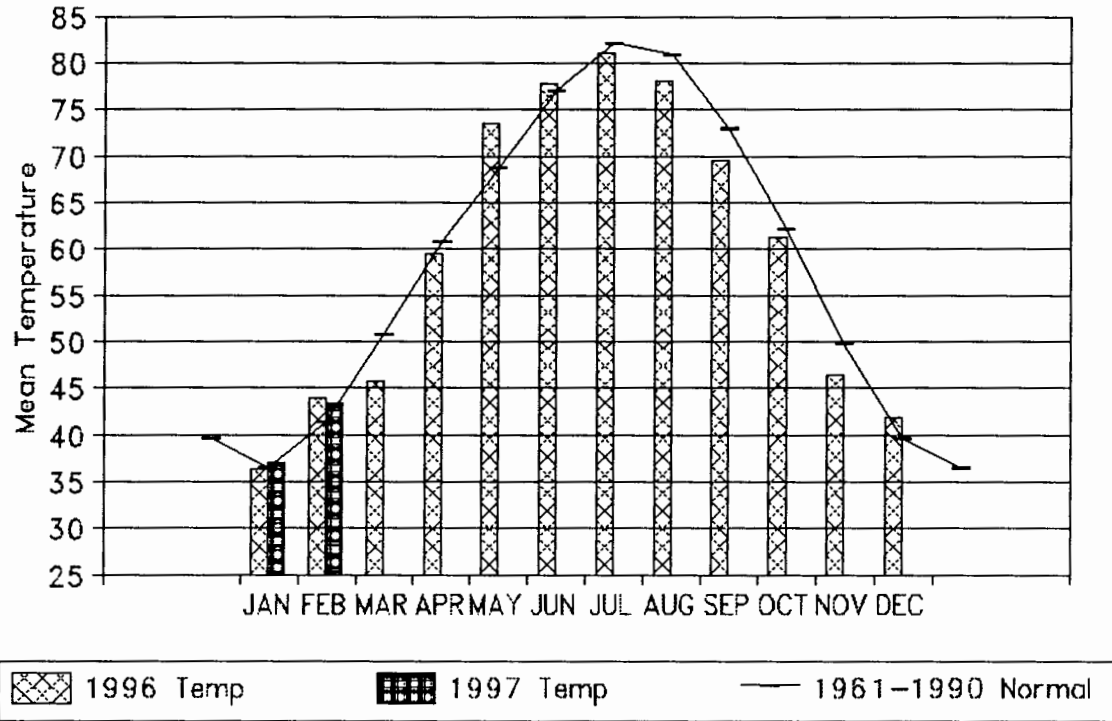
Drying winds and higher temperatures raised fire danger in the state on the 18th and 19th. Several grass fires were reported in Logan County on the 18th and in scattered northern and western areas on the 19th. A strong winter storm entered the state on the 19th, producing widespread rain and snow that relieved the fire danger, but caused concern with wind damage and local flooding. On the 20th, 70-mile-per-hour winds associated with severe thunderstorms damaged structures near Durant (Bryan), in Pocola (LeFlore), and east of Sallisaw (Sequoyah).

Local flooding, primarily in rural areas, was commonplace in the eastern third of the state, most notably near Smithville (McCurtain), at several locations in LeFlore County, and near Bartlesville (Washington). Many stations reported two and three-day precipitation totals of 3 inches or more, the largest being: Bartlesville, 5.16 inches; the Broken Bow Mesonet site (McCurtain), 4.93 inches; the Wichita Mountains Wildlife Refuge (Comanche), 4.65 inches; the Idabel Mesonet site (McCurtain), 4.63 inches; and the Sallisaw Mesonet site (Sequoyah), 4.51 inches. Precipitation in the western Panhandle featured 5.5 inches of snow at Kenton and 3.5 inches at Regnier (Cimarron).

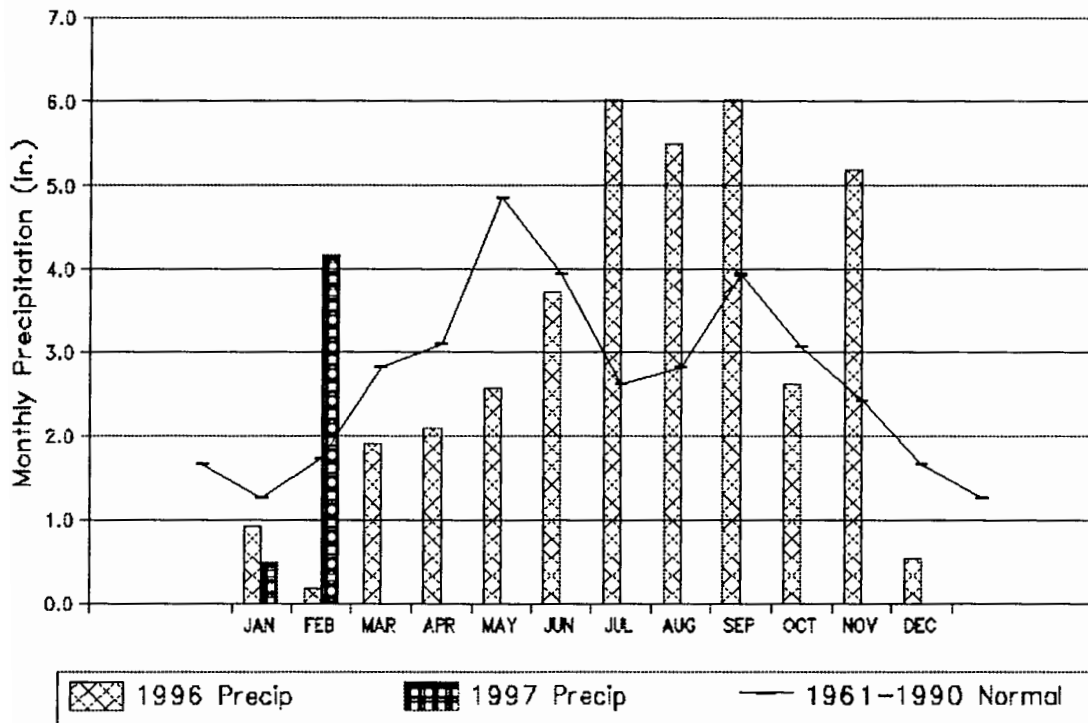
Another storm system moved slowly through the state from the 23rd through the 26th, producing substantial snow in the Panhandle, including nearly 7 inches at Kenton and 4.5 inches at Boise City. Locally heavy rain on saturated ground caused some localized flooding in southern Oklahoma. Kenton reported the month's lowest temperature (6 degrees) on the 27th.

Howard L. Johnson

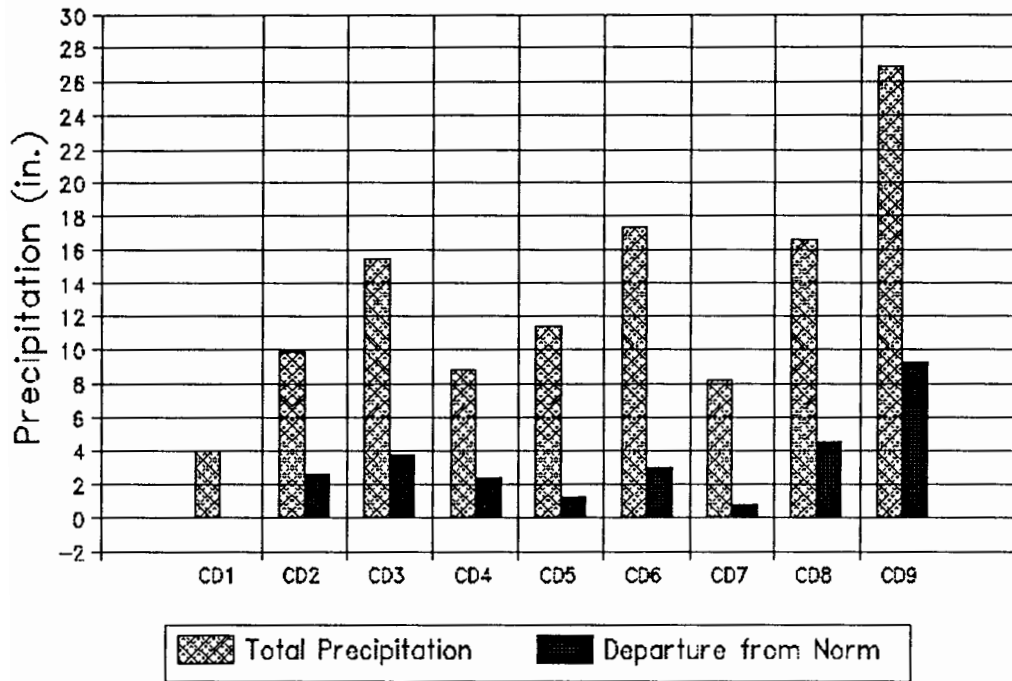
1996 and 1997 STATEWIDE TEMPERATURES Monthly Averages



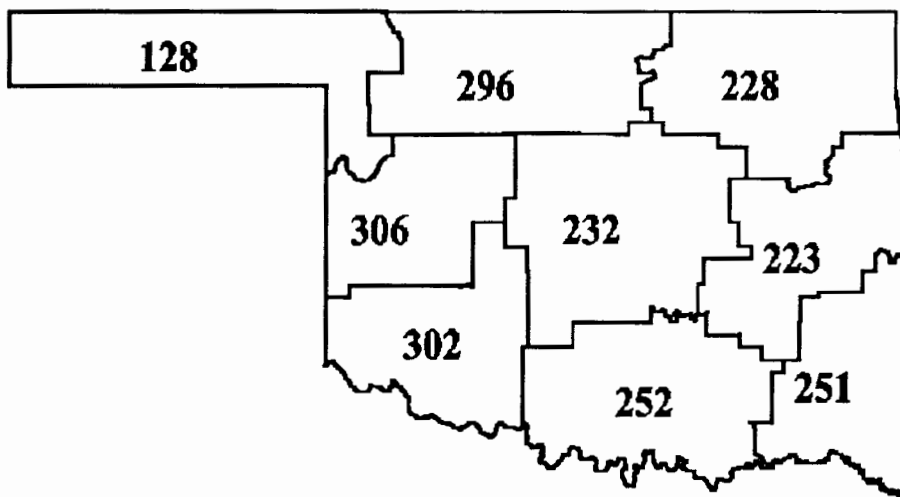
1996 and 1997 STATEWIDE PRECIPITATION Monthly Totals



**CD Averaged Precipitation
October 1996 through February 1997**



CD PERCENT OF NORMAL PRECIPITATION



FEBRUARY 1997

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

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	75	18	GATE	6	27	KENTON	1.09	21	ARNETT	1.94	ARNETT
2	73	17	PONCA CITY	16 16	9 15	FREEDOM FREEDOM	3.90	21	HARDY	4.74	HARDY
3	75	1	KANSAS	18	11	BARNSDALL	4.41	21	BARTLESVILLE	6.31	BARTLESVILLE
4	75 75	2 3	REYDON REYDON	18	9	TALOGA	3.30	20	COLONY	4.65	MORAVIA
5	78	1	PURCELL	19 19 19	11 11 11	BRISTOW GUTHRIE MEEKER	3.08	17	TECUMSEH	5.84	KONAWA
6	78	1	MCALESTER	3	6	OKMULGEE	3.20	21	SALLISAW	7.38	CLAYTON
7	76 76	1 16	MANGUM MANGUM	21 21 21	11 11 11	ANADARKO HOBART WICHITA MT	3.32	21	WILLOW	5.65	WICHITA MT
8	78	2	DURANT	15	9	MADILL	3.95	20	ARDMORE	6.51	ARDMORE
9	78	1	TUSKAHOMA	14	15	ZOE	4.00	21	BEAR MT	9.93	BEAR MT

TABLE OF 1996/1997 COMPARISONS

Station	FEBRUARY Temperature (°F)		FEBRUARY Precipitation (in.)	
	1996	1997	1996	1997
Arnett	39.3	37.3	0.07	1.94
Mutual	****	38.3	****	1.81
Tulsa	46.1	44.1	0.09	3.41
Elk City	44.9	41.3	0.07	4.04
Oklahoma City	44.2	44.0	0.02	2.11
McAlester	49.6	46.5	0.27	0.87
Altus Irr Station	47.6	44.7	0.03	4.54
Ardmore	50.2	49.6	0.02	6.51
Idabel	47.0	45.6	0.86	9.70

EXTREMES

VARIABLE	STATION	DIVISION	OBSERVATION	DATE
Minimum temperature (°F)	Okmulgee	3	3	6
Maximum temperature (°F)	Purcell	5	78	1
	McAlester	6	78	1
	Durant	8	78	2
	Tuskahoma	9	78	1
Maximum 24-hour precipitation	Bartlesville	3	4.41"	21

FEBRUARY 1997 SUMMARY FOR PANHANDLE DIVISION (CD1)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV			HEAT			COOL			TOT PPT	NUM OBS	DEV		
					FROM NORM	MAX TEMP	MIN TEMP	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM			MAX 24-HR	DAY	
ARNETT	332	1	37.3	28	0.2	71	1	18	10	776	-5	0	0	1.940	28	0.93	1.09	21
BEAVER	593	1	36.0	28	0	74	18	13	8	811	-1	0	0	0.881	28	0.10	0.60	21
BOISE CITY	908	1	36.7	28	-1.3	71	2	12	8	792	36	0	0	0.523	28	0.03	0.30	13
FARGO	3070	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.330	28	0.35	1.03	21
GAGE	3407	1	36.8	20	*****	71	17	19	11	565	*****	0	*****	0.552	24	*****	0.30	6
GATE	3489	1	37.7	28	0.3	75	18	12	8	765	-8	0	0	1.552	28	0.71	0.91	21
GOODWELL	3628	1	37.2	28	1.1	74	18	11	27	778	-32	0	0	0.162	28	-0.26	0.07	14
GUYMON	3835	1	38.2	28	*****	73	17	17	9	752	*****	0	*****	0.731	28	*****	0.21	19
HOOKER	4298	1	36.9	28	-0.8	74	18	15	8	786	22	0	0	0.501	28	-0.09	0.22	27
KENTON	4766	1	35.6	25	*****	69	18	6	27	736	*****	0	*****	0.780	24	*****	0.40	6
LAVERNE	5045	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.402	28	0.43	0.74	21
RANGE	7412	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.185	28	*****	0.11	26
REGNIER	7534	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.474	28	0.15	0.18	23
TURPIN	9017	1	34.9	24	*****	71	18	13	8	724	*****	0	*****	1.771	24	*****	0.90	24

FEBRUARY 1997 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV			HEAT			COOL			TOT PPT	NUM OBS	DEV		
					FROM NORM	MAX TEMP	MIN TEMP	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM			MAX 24-HR	DAY	
ALVA	193	2	40.1	28	*****	70	17	19	9	697	*****	0	*****	2.080	28	*****	1.70	21
VANCE AFB	302	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.593	27	*****	2.17	20
BILLINGS	755	2	39.9	27	2.1	70	18	20	12	677	-86	0	0	4.213	28	2.82	3.20	21
BLACKWELL 2E	818	2	43.5	28	5.3	72	17	23	11	602	-148	0	0	4.566	28	3.50	3.45	21
BRAMAN	1075	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.531	28	*****	2.66	21
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.272	28	*****	1.35	21
CHEROKEE	1724	2	40.8	28	1.1	68	17	22	9	677	-31	0	0	1.100	26	*****	1.00	20
ENID	2912	2	42.8	28	2.7	70	17	23	11	622	-75	0	0	4.540	28	3.13	3.14	21
FT SUPPLY	3304	2	38.4	28	1.3	69	18	20	10	746	-36	0	0	1.982	28	1.02	1.11	21
FREEDOM	3358	2	37.4	28	-1.9	71	18	16	15	773	53	0	0	2.261	28	1.38	1.46	21
GREAT SALT P	3740	2	39.0	19	*****	71	18	19	10	495	*****	0	*****	2.211	28	1.20	1.16	21
HARDY	3909	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.742	28	*****	3.90	21
HELENA	4019	2	39.7	28	3	68	18	20	9	709	-84	0	0	3.612	28	2.46	2.55	21
JEFFERSON	4573	2	41.8	28	2.5	71	17	20	11	651	-71	0	0	3.953	28	2.78	3.09	20
LAMONT	5013	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.191	28	*****	3.25	21
MEDFORD	5768	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.540	28	*****	3.52	21
MORRISON	6065	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.830	28	*****	2.47	21
MUTUAL	6139	2	38.3	28	0.9	70	1	17	9	749	-25	0	0	1.810	28	0.74	0.99	21
NEWKIRK	6278	2	40.8	28	2.3	71	17	21	11	677	-66	0	0	4.700	28	3.53	3.73	21
ORIENTA	6751	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.330	26	*****	1.68	21
PERRY	7012	2	44.2	28	3.4	71	17	22	11	583	-95	0	0	4.721	28	3.16	2.60	21
PONCA CITY	7201	2	42.5	26	*****	73	17	23	11	584	*****	0	*****	4.421	27	*****	2.85	20
RED ROCK	7505	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.590	28	3.21	3.04	21
WAYNOKA	9404	2	40.4	28	0.4	69	17	17	9	690	-11	0	0	2.020	28	0.94	1.33	21
WOODWARD	9760	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.173	28	1.14	1.23	21

FEBRUARY 1997 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MIN TEMP	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	42.3	28	2.3	71	17	11	636	-65	0	0	0.320	25	*****	0.20	7	
BARTLESVILLE	548	3	42.3	28	2.3	71	17	21	636	-64	0	0	6.311	28	4.73	4.41	21	
BIXBY	782	3	43.6	28	4.7	73	2	20	601	-131	0	0	4.340	28	2.51	1.60	21	
BURBANK	1256	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.493	28	3.09	3.54	20
CHELSEA	1717	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.220	28	*****	1.53	23
CLAREMORE	1828	3	41.7	28	3.5	72	2	20	12	653	-98	0	0	3.980	28	1.98	1.75	21
CLEVELAND 2	1902	3	43.8	28	*****	71	18	20	11	594	*****	0	*****	4.503	28	*****	2.34	21
FORAKER	3250	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.780	28	2.45	2.67	21
HOLLOW	4258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.752	28	1.97	1.52	21
HOMINY	4289	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.591	28	2.93	2.58	21
HULAH	4393	3	40.2	18	*****	73	18	21	12	446	*****	0	*****	4.160	28	2.93	3.23	21
KANSAS	4672	3	44.1	28	3.1	75	1	20	11	587	-86	0	0	4.351	28	2.01	1.53	21
KEYSTONE	4812	3	41.0	17	*****	72	2	20	15	409	*****	0	*****	2.391	28	0.39	1.94	21
LENAPAH	5118	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.390	28	*****	1.55	20
MANNFORD	5522	3	43.8	27	2.9	72	17	19	11	574	-102	0	0	4.271	28	2.32	2.27	21
MARAMEC	5540	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.400	28	1.84	1.57	21
MIAMI	5855	3	39.1	23	*****	68	17	23	15	596	*****	0	*****	3.781	28	1.75	1.82	21
NOWATA	6485	3	40.9	28	1.4	69	18	25	12	675	-39	0	0	3.962	28	2.09	1.76	21
OOLOGAH	6729	3	42.1	19	*****	72	18	23	18	436	*****	0	*****	4.410	28	*****	2.12	21
PAWHUSKA	6935	3	42.3	28	2.8	71	17	19	11	637	-77	0	0	4.932	28	3.13	3.25	21
PAWNEE	6940	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.790	28	1.10	1.42	21
PRYOR	7309	3	42.6	22	*****	74	2	22	12	493	*****	0	*****	4.360	23	*****	2.12	21
RALSTON	7390	3	42.5	28	2.5	71	17	19	10	631	-70	0	0	3.251	28	1.62	1.93	21
SKIATOOK	8258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.210	28	0.41	1.34	26
SPAVINAW	8380	3	44.6	28	3.3	74	1	23	11	571	-94	0	0	4.540	28	2.60	2.38	21
TULSA	8992	3	44.1	28	3.8	72	1	22	11	586	-106	0	0	3.412	28	1.44	1.94	20
UPPER SPAV	9101	3	44.1	26	*****	69	1	22	11	545	*****	0	*****	5.620	28	*****	2.14	21
VINITA	9203	3	44.2	23	*****	69	18	21	15	478	*****	0	*****	3.630	28	1.59	1.63	21
WAGONER	9247	3	45.2	28	3.4	74	1	20	11	556	-95	0	0	3.981	28	1.91	1.20	20
WANN	9298	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.523	28	*****	2.71	21
WYNONA	9792	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.884	28	*****	2.79	21

FEBRUARY 1997 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MIN TEMP	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	39.6	21	*****	68	18	22	11	533	*****	0	*****	3.382	28	2.33	2.07	21
CLINTON	1909	4	42.4	28	0.9	72	1	23	8	634	-24	0	0	3.751	28	2.56	1.95	21
COLONY	2039	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.300	28	*****	3.30	20
CORDELL	2125	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.743	28	2.54	1.95	21
ELK CITY	2849	4	41.3	28	0.2	73	1	22	9	665	-4	0	0	4.041	28	2.84	2.17	21
ERICK	2944	4	41.3	28	-0.2	73	1	22	15	663	5	0	0	3.151	28	2.18	1.74	21
GEARY	3497	4	45.4	28	5	73	1	27	9	550	-140	0	0	4.100	28	2.87	2.40	21
HAMMON	3871	4	39.4	28	0.6	73	1	20	16	718	-16	0	0	3.050	28	2.00	1.83	21
LEEDEY	5090	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.070	28	1.05	1.31	21
MACKIE	5463	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.070	28	*****	1.23	21
MORAVIA	6035	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.653	28	3.49	2.80	21
OKEENE	6629	4	41.1	28	-0.1	68	18	21	11	669	3	0	0	4.410	28	3.20	2.22	20
RETROP	7565	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.540	28	*****	2.31	21
REYDON	7579	4	41.6	23	*****	75	3	20	10	539	*****	0	*****	2.230	22	*****	1.32	20
SAYRE	7952	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.552	28	1.73	1.51	21
SWEETWATER	8652	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.981	28	*****	1.22	21
TALOGA	8708	4	40.3	28	0.5	72	1	18	9	692	-14	0	0	2.522	28	1.43	1.34	21
THOMAS	8815	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.210	28	*****	1.42	21
VICI	9172	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.243	26	*****	1.22	20
WATONGA	9364	4	42.0	28	1.7	71	17	24	11	644	-48	0	0	4.341	28	3.08	2.92	21
WEATHERFORD	9422	4	41.0	28	2.1	73	1	23	7	671	-60	0	0	3.650	28	2.51	1.84	20

FEBRUARY 1997 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MIN TEMP	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	****	****	****	****	3.610	28	****	1.50	21		
ARCADIA	288	5	****	0	****	****	0	****	****	****	****	0.771	28	****	0.77	20		
BLANCHARD	830	5	45.6	28	2.6	75	1	24	11	544	-73	0	0	4.012	2.26	2.18	21	
BRISTOW	1144	5	45.5	28	3.5	73	1	19	11	547	-97	0	0	5.104	3.17	2.65	21	
CHANDLER	1684	5	44.8	28	2.8	73	1	22	11	567	-77	0	0	3.550	2.80	1.25	20	
CHICKASHA	1750	5	44.9	28	2.3	75	1	21	11	562	-66	0	0	3.670	2.08	1.80	21	
COX CITY	2196	5	****	0	****	****	0	****	****	****	****	3.850	28	****	1.22	20		
CRESCENT	2242	5	****	0	****	****	0	****	****	****	****	4.710	28	****	2.87	21		
CUSHING	2318	5	43.3	28	4.2	71	19	23	12	609	-117	0	0	3.450	1.66	1.25	20	
EDMOND	2788	5	****	0	****	****	0	****	****	****	****	1.882	28	****	1.00	20		
EL RENO	2818	5	45.5	28	4.7	73	1	24	11	545	-133	0	0	3.830	2.53	2.28	21	
GUTHRIE	3821	5	43.4	28	1.7	73	1	19	11	606	-47	0	0	2.941	1.28	2.30	21	
HENNESSEY	4055	5	42.3	22	****	68	17	22	11	501	****	0	****	4.290	3.06	2.37	21	
INGALLS	4489	5	****	0	****	****	0	****	****	****	****	1.981	28	****	0.85	21		
KINGFISHER	4861	5	42.5	28	1.4	72	1	20	11	629	-40	0	0	4.240	2.85	2.39	21	
KONAWA	4915	5	****	0	****	****	0	****	****	****	****	5.840	28	3.76	1.97	19		
MARSHALL	5589	5	****	0	****	****	0	****	****	****	****	4.440	28	3.17	2.86	21		
MEEKER	5779	5	44.7	28	2.8	74	1	19	11	569	-79	0	0	3.620	1.59	1.24	19	
MULHALL	6110	5	****	0	****	****	0	****	****	****	****	3.900	28	****	2.21	21		
NORMAN NWS	6386	5	43.9	28	1.1	74	1	23	11	590	-33	0	0	3.632	1.91	2.01	20	
ILTON	6616	5	****	0	****	****	0	****	****	****	****	2.550	28	****	1.72	20		
OKEMAH	6638	5	48.0	28	5.5	76	1	26	11	477	-153	0	0	4.970	3.06	2.05	21	
OKLAHOMA CTY	6661	5	44.0	28	3.1	74	1	21	11	589	-86	0	0	2.115	28	0.55	1.55	20
PERKINS	7003	5	****	0	****	****	0	****	****	****	****	2.690	28	1.02	1.18	21		
PIEDMONT	7068	5	****	0	****	****	0	****	****	****	****	4.590	28	****	2.83	21		
PRAGUE	7264	5	****	0	****	****	0	****	****	****	****	4.190	28	2.25	1.14	21		
PURCELL	7327	5	45.6	28	2.9	78	1	20	11	544	-80	0	0	4.503	2.53	1.90	20	
SEMINOLE	8042	5	46.4	28	2.3	76	1	21	11	521	-64	0	0	5.391	2.8	3.38	1.81	21
SHAWNEE	8110	5	****	0	****	****	0	****	****	****	****	4.920	28	2.91	2.04	20		
STELLA	8479	5	****	0	****	****	0	****	****	****	****	3.641	28	****	1.27	19		
STILLWATER	8501	5	42.2	28	3.6	74	2	20	11	639	-101	0	0	3.540	2.8	2.01	2.13	21
STROUD	8563	5	****	0	****	****	0	****	****	****	****	3.730	28	****	1.20	21		
TECUMSEH	8751	5	****	0	****	****	0	****	****	****	****	4.960	28	****	3.08	17		
TROUSDALE	8960	5	****	0	****	****	0	****	****	****	****	5.100	28	****	2.51	20		
UNION CITY	9086	5	****	0	****	****	0	****	****	****	****	3.793	28	2.21	1.94	21		
WELTY	9479	5	****	0	****	****	0	****	****	****	****	5.352	28	****	2.32	21		
WEWOKA	9575	5	****	0	****	****	0	****	****	****	****	4.670	28	2.48	1.43	20		

FEBRUARY 1997 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MIN TEMP	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	****	****	****	****	5.180	28	****	1.63	20		
BEGGS	631	6	****	0	****	****	0	****	****	****	****	4.090	28	****	1.96	21		
CALVIN	1391	6	****	0	****	****	0	****	****	****	****	3.800	28	1.68	1.55	20		
CHECOTAH	1711	6	****	0	****	****	0	****	****	****	****	3.700	28	1.51	1.40	20		
CLAYTON	1858	6	****	0	****	****	0	****	****	****	****	7.380	28	****	2.00	20		
DEWAR	2485	6	****	0	****	****	0	****	****	****	****	4.211	28	1.98	1.24	20		
DUSTIN	2690	6	****	0	****	****	0	****	****	****	****	4.241	28	****	1.50	20		
EUFULA	2993	6	45.3	28	1.7	71	1	24	11	552	-47	0	0	4.850	2.48	1.45	26	
HANNA	3884	6	45.4	28	2.3	76	1	20	11	550	-63	0	0	4.461	2.08	1.44	20	
HARTSHORNE	3946	6	****	0	****	****	0	****	****	****	****	6.570	28	****	1.67	20		
HASKELL	3956	6	****	0	****	****	0	****	****	****	****	4.160	28	1.99	1.65	20		
HOLDENVILLE	4235	6	45.0	28	1.5	76	3	20	11	560	-49	0	-6	5.431	3.48	1.84	20	
LAKE EUFAULA	4975	6	46.6	23	****	71	21	25	11	424	****	0	****	1.650	23	****	0.91	22
LYONS	5437	6	****	0	****	****	0	****	****	****	****	6.131	28	4.21	3.00	21		
MCALESTER	5664	6	46.5	25	****	78	1	21	11	463	****	0	****	0.874	25	****	0.28	26
MCCURTAIN	5693	6	45.6	28	1.6	74	1	23	23	542	-46	0	0	6.701	3.76	1.85	21	
MUSKOGEE	6130	6	46.3	27	4.2	72	1	22	11	506	-135	0	0	3.940	2.8	1.63	1.10	19
OKMULGEE	6670	6	43.0	23	****	73	2	3	6	505	****	0	****	5.600	23	****	1.90	21
OKTAHA	6678	6	****	0	****	****	0	****	****	****	****	3.890	28	****	1.25	20		
QUINTON	7372	6	****	0	****	****	0	****	****	****	****	5.042	28	2.54	1.37	19		
SALLISAW	7862	6	44.9	28	1.8	72	3	24	11	562	-52	0	0	6.770	28	4.05	3.20	21
SCIPIO	7979	6	****	0	****	****	0	****	****	****	****	4.320	28	****	1.41	20		
SCRAPER	7993	6	****	0	****	****	0	****	****	****	****	3.400	28	****	1.50	19		
SHORT	8170	6	****	0	****	****	0	****	****	****	****	7.210	28	****	2.78	21		
STILWELL	8506	6	44.3	28	3.1	72	1	20	11	580	-86	0	0	6.590	28	3.93	2.35	21
TAHLEQUAH	8677	6	44.2	28	2.9	70	17	21	11	583	-82	0	0	4.242	2.8	1.83	1.59	21
WEBBERS FALL	9445	6	44.7	28	4.4	73	21	20	12	568	-124	0	0	5.190	2.8	2.65	1.80	21
WETUMKA	9571	6	****	0	****	****	0	****	****	****	****	6.001	28	3.86	2.15	21		

FEBRUARY 1997 FOR SOUTHWEST DIVISION (CD7)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MIN TEMP	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	44.7	28	0.4	72	17	23	9	570	-11	0	0	4.540	28	3.44	2.15	20
ALTUS DAM	184	7	44.1	28	2.6	73	2	24	8	585	-73	0	0	4.860	28	3.67	2.00	20
ANADARKO	224	7	41.2	27	-0.8	73	2	21	11	643	-2	0	0	2.861	27	*****	1.13	21
APACHE	260	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.970	28	1.53	1.25	21
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.753	26	*****	1.86	20
CARNEGIE	1504	7	42.8	28	0.8	73	1	23	11	621	-24	0	0	3.531	28	2.18	1.32	20
CHATTANOOGA	1706	7	45.7	28	1.9	71	17	24	15	541	-54	0	0	2.840	28	1.44	1.06	21
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.013	28	*****	1.64	21
FREDERICK	3353	7	45.1	28	2.5	70	18	26	11	558	-70	0	0	3.140	28	1.85	1.60	20
HEADRICK	3998	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.650	28	*****	1.55	20
HOBART	4204	7	42.1	26	*****	74	1	21	11	596	*****	0	*****	3.562	27	*****	2.22	20
HOLLIS	4249	7	42.9	28	-0.7	73	1	23	11	618	19	0	0	3.831	28	2.82	2.23	21
LAWTON	5063	7	44.0	27	2.1	70	1	26	10	568	-80	0	0	3.470	28	2.16	1.42	21
FORT SILL	5068	7	45.3	28	*****	70	17	27	11	553	*****	0	*****	0.685	25	*****	0.31	19
LOOKEBA	5329	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.860	28	2.55	2.10	21
MANGUM	5509	7	43.9	28	0.4	76	16	23	15	591	-11	0	0	4.300	28	3.18	2.80	20
RANDLETT	7403	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.593	28	*****	2.28	21
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.630	28	1.49	1.52	20
SEDAN	8016	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.361	28	*****	1.15	20
SNYDER	8299	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.942	28	1.71	1.25	21
VINSON	9212	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.831	28	1.96	1.69	21
WALTERS	9278	7	46.3	28	1.6	70	17	27	15	523	-46	0	0	3.760	28	1.96	1.65	21
WICHITA MT	9629	7	42.2	28	1.3	73	1	21	11	638	-37	0	0	5.650	28	4.19	2.90	21
WILLOW	9668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.314	28	*****	3.32	21

FEBRUARY 1997 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MIN TEMP	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	44.8	28	1.1	74	1	25	11	565	-32	0	0	5.461	28	3.31	1.86	20
ALLEN	147	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.200	28	*****	2.50	20
ARDMORE	292	8	49.6	27	3.1	76	1	29	11	416	-108	0	-6	6.510	28	4.49	3.95	20
ATOKA DAM	394	8	47.2	20	*****	75	3	24	11	357	*****	0	*****	5.523	28	3.00	1.46	20
BOKCHITO	917	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.062	28	*****	3.02	20
CENTRAHOMA	1648	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.950	28	*****	1.55	20
CHICKASAW	1745	8	44.7	28	2.5	75	2	23	12	568	-71	0	0	5.302	28	3.32	2.00	20
COLEMAN	2011	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.100	28	*****	1.55	20
COMANCHE	2054	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.430	28	3.69	2.46	21
DAISY	2354	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.492	28	3.37	1.95	20
DUNCAN	2660	8	45.4	28	2.7	72	2	28	12	550	-74	0	0	5.530	28	3.83	2.00	21
DURANT	2678	8	47.1	28	3.6	78	2	27	11	500	-102	0	0	6.170	28	3.54	1.97	20
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.180	28	*****	2.67	20
GRADY	3688	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.040	28	*****	2.00	20
HEALDTON	4001	8	47.3	28	2.9	76	1	27	11	496	-81	0	0	5.450	28	3.62	2.38	20
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.471	28	*****	3.01	20
KETCHUM RAN	4780	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.720	28	*****	2.90	20
KINGSTON	4865	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.460	28	1.83	1.32	20
LEHIGH	5108	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.853	28	*****	1.50	20
LINDSAY	5216	8	45.9	25	*****	75	1	23	12	479	*****	0	*****	3.670	28	1.89	1.48	20
LOCO	5247	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.460	28	*****	2.30	20
MADILL	5468	8	46.3	28	0.9	76	1	15	9	524	-25	0	0	5.790	28	3.24	1.98	18
MARIETTA	5563	8	48.1	28	2.5	76	1	29	15	475	-69	0	0	3.990	28	1.83	2.01	20
MARLOW	5581	8	45.5	28	2	76	1	23	10	546	-56	0	0	4.151	28	2.56	2.12	21
MC GEE CREEK	5713	8	46.6	28	*****	75	2	22	12	515	*****	0	*****	5.941	28	*****	1.88	20
PAULS VALLEY	6926	8	45.9	28	2	77	1	20	11	534	-57	0	0	6.230	28	4.38	3.10	20
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.200	28	4.07	1.92	19
TISHOMINGO	8884	8	47.0	28	2.1	76	1	22	11	504	-60	0	0	5.210	28	2.85	1.45	19
TUSSY	9032	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.400	28	*****	1.26	20
WAURIKA	9395	8	47.8	28	2.4	73	1	28	15	481	-68	0	0	5.172	28	3.55	2.98	20
WAURIKA DAM	9399	8	45.6	17	*****	73	18	26	11	331	*****	0	*****	5.142	28	*****	2.40	21

FEBRUARY 1997 SUMMARY FOR SOUTHEAST DIVISION (CD9)

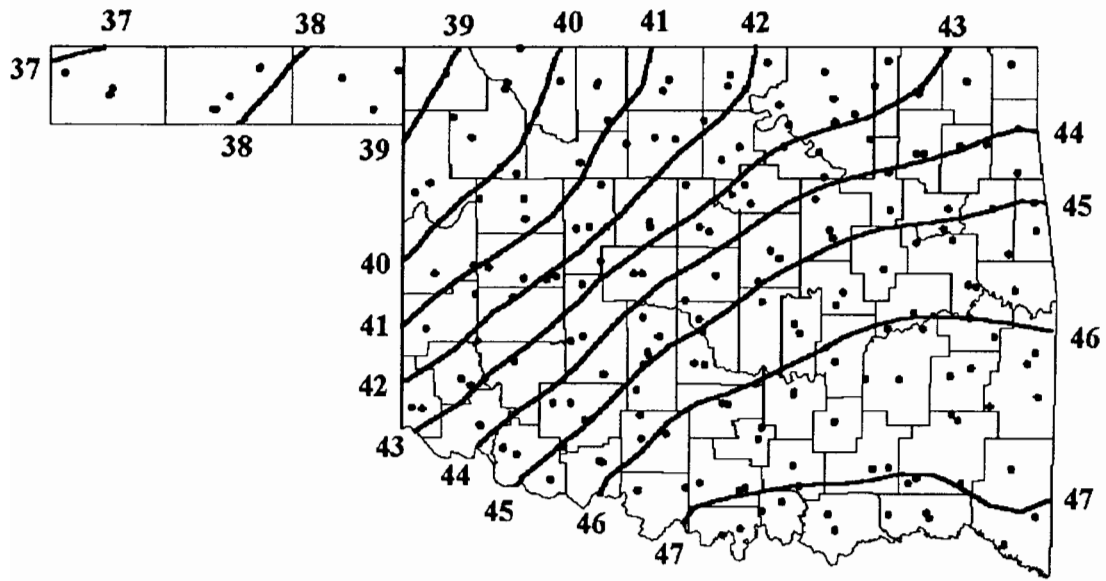
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV			HEAT		DEV		COOL		DEV		TOT PPT	NUM OBS	DEV	
					FROM NORM	MAX TEMP	MIN DAY	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM	MAX 24-HR	DAY				
ANTLERS	256	9	47.1	28	2.3	75	2	22	11	502	-65	0	0	*****	0	*****	*****	0	
BATTIEST	567	9	44.4	28	*****	71	1	20	11	576	*****	0	*****	8.760	28	*****	3.68	21	
BEAR MT	584	9	48.3	27	2.1	75	1	26	11	451	-76	0	0	9.930	27	*****	4.00	21	
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.840	28	*****	2.69	21	
BOSWELL	980	9	46.9	27	1.7	77	2	20	2	489	-65	0	0	6.701	28	3.64	1.43	20	
BROKEN BOW	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	9.400	28	5.90	2.45	19	
BROKEN BOW D	1168	9	46.2	28	2.5	72	17	23	10	527	-69	0	0	8.233	28	4.69	2.41	20	
CARNASAW	1499	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.892	28	4.35	1.96	21	
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.790	28	3.22	2.18	20	
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.390	28	5.25	2.86	21	
HEAVENER	4008	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.520	28	1.58	1.26	20	
HUGO	4384	9	48.1	28	1.5	71	17	27	11	473	-43	0	0	7.120	28	3.79	2.32	7	
IDABEL	4451	9	45.6	28	1.2	76	1	21	12	542	-35	0	0	9.702	28	6.17	2.64	21	
PINE CREEK	7080	9	44.7	21	*****	76	3	20	12	427	*****	0	*****	8.100	21	*****	2.77	21	
POTEAU	7254	9	46.4	28	*****	75	1	21	11	520	*****	0	*****	7.260	27	*****	2.00	20	
SMITHVILLE	8285	9	44.0	28	1.1	74	1	21	15	588	-31	0	0	5.854	28	2.21	2.20	21	
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.812	28	4.93	2.96	21	
TUSKAHOMA	9023	9	47.5	28	2.6	78	1	20	11	489	-74	0	0	7.761	28	4.82	3.15	21	
VALLIANT	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.190	28	4.72	2.95	21	
WILBURTON	9634	9	46.2	28	3	76	1	21	11	526	-84	0	0	8.190	28	5.16	2.42	20	
ZOE	9985	9	43.3	28	2.3	76	2	14	15	609	-66	0	0	5.390	28	2.27	2.00	20	

FEBRUARY 1997 CLIMATE DIVISION SUMMARY

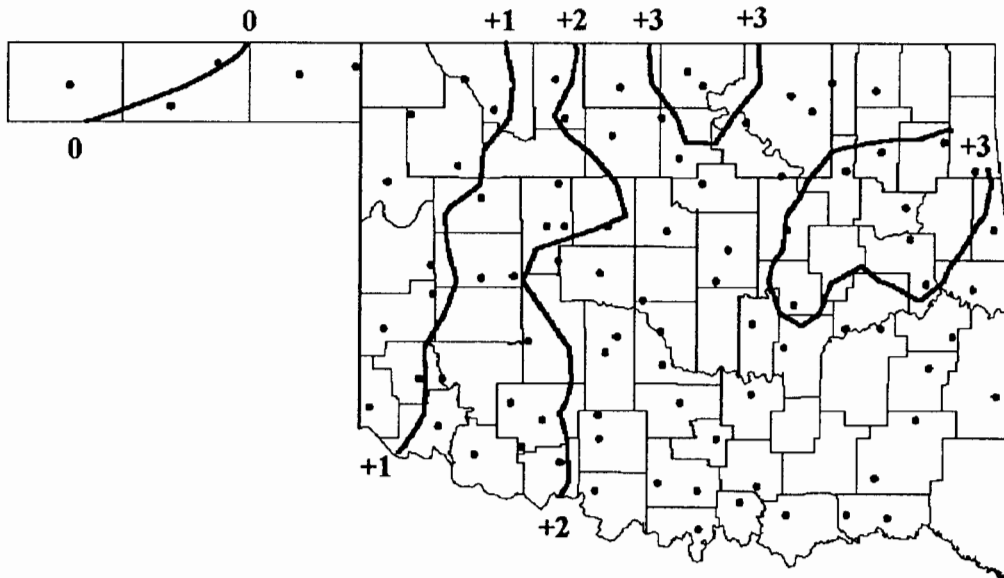
CD	MEAN TEMP	NUM STA	DEV			HEAT		DEV		COOL		DEV		TOT PPT	NUM STA	DEV	
			FROM NORM	MAX TEMP	MIN DAY	DEG DAYS	FROM NORM	DEG DAYS	FROM NORM	DEG DAYS	FROM NORM	MAX 24-HR	DAY				
1	37.1	7	0	75	18	6	27	780	0	0	0	0	0.880	11	0.19	1.09	21
2	40.6	13	1.9	73	17	16	15	681	-56	0	0	0	3.450	21	2.29	3.90	21
3	43.1	13	3.7	75	1	18	11	610	-105	0	0	0	4.170	29	2.36	4.41	21
4	41.6	9	1.2	75	3	18	9	656	-34	0	0	0	3.400	19	2.29	3.30	20
5	44.7	15	2.9	78	1	19	11	569	-82	0	0	0	3.890	37	2.16	3.08	17
6	45.1	9	2.8	78	1	3	6	556	-82	0	-1	5.100	25	2.75	3.20	21	
7	44.0	12	1.3	76	16	21	11	584	-39	0	0	0	3.800	20	2.54	3.32	21
8	46.6	13	2.5	78	2	15	9	513	-71	0	0	0	5.300	31	3.17	3.95	20
9	46.2	12	1.9	78	1	14	15	524	-56	0	0	0	7.620	17	4.35	4.00	21

MESONET MONTHLY SUMMARY FOR FEBRUARY 1997

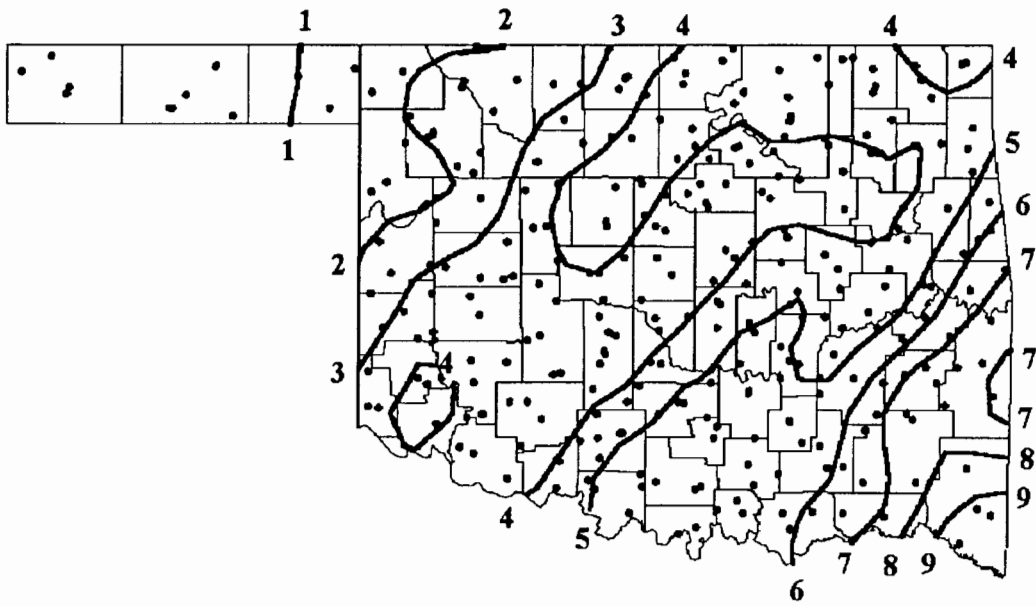
NAME	MEAN MAX		MIN		TOT MAX				NAME	MEAN MAX		MIN		TOT MAX							
	TEMP	TEMP	DAY	TEMP	DAY	HDD	CDD	PPT		24-HR	DAY	TEMP	TEMP	DAY	TEMP	DAY	HDD	CDD	PPT	24-HR	DAY
PANHANDLE																					
ARNETT	40.3	73	1	19	10	692	0	1.84	1.11	20	GOODWELL	36.8	73	17	12	27	791	0	.38	.09	27
BEAVER	37.8	75	17	12	8	762	0	.90	.57	20	HOOKER	38.4	76	17	15	8	744	0	.44	.12	26
BOISE CITY	35.8	71	17	11	8	818	0	.32	.16	14	KENTON	35.9	71	17	11	27	814	0	.11	.02	14
BUFFALO	39.9	74	17	13	8	703	0	1.63	.83	20	SLAPOUT	39.0	76	17	15	8	728	0	1.67	1.04	20
NORTH CENTRAL																					
ALVA	39.9	69	17	20	9	702	0	2.90	1.62	20	MAY RANCH	39.1	71	17	18	9	725	0	1.87	.96	20
BLACKWELL	41.7	72	17	22	9	651	0	5.05	2.90	20	MEDFORD	41.1	71	17	23	9	670	0	2.45	1.70	20
BRECKENRIDGE	41.2	70	17	22	9	667	0	3.74	2.20	20	NEWKIRK	40.9	72	17	19	11	673	0	4.63	2.64	20
CHEROKEE	39.8	68	17	21	9	707	0	2.37	1.16	20	RED ROCK	42.5	73	17	20	11	630	0	4.67	2.89	20
FAIRVIEW	40.6	67	17	20	9	682	0	3.35	1.89	20	SEILING	40.6	72	1	19	9	682	0	1.90	.84	20
FREEDOM	40.4	72	17	19	8	690	0	2.20	1.23	20	WOODWARD	40.4	72	1	20	9	687	0	1.71	.87	20
LAHOMA	40.7	69	17	22	9	681	0	3.39	1.93	20											
NORTHEAST																					
BIXBY	44.8	71	1	22	11	564	0	3.99	2.33	20	NOWATA	42.6	70	17	21	15	628	0	4.05	1.86	20
BURBANK	41.0	72	17	18	11	673	0	4.68	2.87	20	PAWNEE	43.6	73	17	21	11	598	0	2.93	1.52	20
CLAREMORE	44.9	74	1	22	11	563	0	3.66	2.04	20	PRYOR	44.5	72	1	23	11	573	0	3.00	1.53	20
COPAN	41.3	71	17	23	15	662	0	4.68	3.03	20	SKIATOOK	44.0	71	17	24	11	589	0	4.43	2.40	20
FORAKER	41.7	73	17	23	11	653	0	4.19	2.44	20	TULLAHASSEE	45.2	73	1	22	11	555	0	3.81	1.77	20
JAY	43.9	71	1	20	11	591	0	4.37	2.39	20	VINITA	42.1	69	17	22	15	642	0	3.78	1.90	20
MIAMI	42.7	69	17	24	15	625	0	3.74	1.79	20	WYNONA	43.5	73	17	21	11	602	0	4.54	2.58	20
WEST CENTRAL																					
BESSIE	42.9	75	1	24	11	617	0	4.01	2.59	20	PUTNAM	40.0	73	1	21	9	700	0	*****	*****	0
BUTLER	42.0	75	1	20	9	643	0	3.11	1.99	20	RETROP	42.1	73	1	24	11	642	0	2.64	1.99	20
CAMARGO	39.4	71	1	19	9	717	0	1.68	.85	20	WATONGA	40.9	71	1	24	8	676	0	3.54	2.39	20
CHEYENNE	40.5	72	1	22	8	686	0	2.68	1.70	20	WEATHERFORD	40.7	72	1	23	8	681	0	3.46	2.18	20
ERICK	41.0	73	1	22	15	671	0	2.85	1.97	20											
CENTRAL																					
ACME	46.1	78	1	26	10	530	0	4.21	2.65	20	MINCO	43.9	77	1	24	11	589	0	4.07	2.46	20
BOWLEGS	46.6	77	1	20	11	516	0	3.96	2.02	20	NINNEKAH	45.9	76	1	24	11	535	0	3.47	2.05	20
BRISTOW	45.9	75	1	20	11	535	0	4.18	2.34	20	NORMAN	45.6	76	1	22	11	543	0	3.67	2.15	20
CHANDLER	44.6	74	1	22	11	571	0	4.38	2.34	20	OILTON	44.7	75	1	19	11	569	0	3.89	2.23	20
CHICKASHA	45.0	77	1	21	11	560	0	3.84	2.33	20	OKEMAH	46.4	77	1	22	11	519	0	5.41	2.94	20
EL RENO	42.5	74	1	18	11	629	0	4.67	2.99	20	PERKINS	42.8	70	1	22	11	621	0	2.54	1.36	20
GUTHRIE	44.4	73	1	23	8	575	0	3.95	2.18	20	SHAWNEE	45.7	76	1	25	11	539	0	4.50	2.17	20
KINGFISHER	41.7	70	1	20	11	652	0	4.72	2.77	20	SPENCER	46.1	76	1	23	11	529	0	3.19	1.92	20
MARENA	42.9	72	1	21	11	618	0	3.19	1.83	20	STILLWATER	42.2	71	1	18	11	639	0	3.49	2.15	20
MARSHALL	41.5	70	1	20	11	657	0	4.92	3.46	20	WASHINGTON	45.7	77	1	24	11	539	0	3.50	1.78	20
EAST CENTRAL																					
CALVIN	46.9	78	1	22	11	507	0	5.76	2.74	20	SALLISAW	47.1	75	2	22	11	501	0	6.87	4.23	20
COOKSON	46.1	75	1	19	11	529	0	5.76	3.03	20	STIGLER	47.0	74	1	23	11	504	0	5.50	2.90	20
EUFULA	46.8	74	1	23	11	510	0	4.31	1.73	20	STUART	47.1	79	1	23	11	502	0	4.00	1.28	20
HASKELL	45.5	74	1	22	11	545	0	3.80	1.79	20	TAHLEQUAH	45.9	78	1	18	11	533	0	4.49	2.59	20
MCALESTER	46.4	79	1	22	11	519	0	5.45	1.88	20	WEBBERS FALLS	46.2	72	1	23	11	527	0	5.25	2.92	20
OKMULGEE	44.8	74	1	20	11	564	0	4.67	2.28	20	WESTVILLE	45.3	76	1	22	11	552	0	5.67	3.64	20
SOUTHWEST																					
ALTUS	43.8	72	1	23	10	595	0	4.88	3.81	20	HOLLIS	43.1	74	1	23	11	614	0	3.85	2.80	20
APACHE	44.7	76	1	25	11	568	0	2.38	1.35	20	MANGUM	42.3	75	1	22	11	635	0	5.42	3.94	20
FORT COBB	44.4	75	1	24	11	577	0	3.35	2.59	20	MEDICINE PARK	45.9	74	1	27	8	536	0	3.58	2.26	20
GRANDFIELD	45.3	72	1	25	11	553	0	3.48	2.07	20	TIPTON	45.1	72	1	25	5	557	0	3.06	2.02	20
HINTON	41.7	74	1	24	11	651	0	2.71	1.70	20	WALTERS	46.0	71	1	26	11	531	0	3.55	1.94	20
HOBART	42.3	75	1	22	11	634	0	4.24	2.47	20											
SOUTH CENTRAL																					
ADA	46.2	75	1	22	11	527	0	5.28	2.01	20	LANE	47.6	75	1	24	11	489	0	5.83	1.73	20
ARDMORE	48.3	78	1	26	11	468	0	5.46	1.67	19	MADILL	48.8	78	1	28	15	454	0	5.48	1.50	19
BURNEYVILLE	46.8	79	1	25	11	510	0	6.62	2.86	19	PAULS VALLEY	47.6	78	1	25	11	488	0	5.41	2.63	20
BYARS	45.9	77	1	25	11	536	0	4.93	1.98	20	RINGLING	47.0	75	1	27	15	504	0	5.51	2.45	20
CENTRAHOMA	46.1	76	1	20	11	530	0	4.94	1.49	20	SULPHUR	46.4	77	1	24	15	521	0	4.61	1.41	20
DURANT	48.4	78	1	27	11	464	0	6.12	1.83	19	TISHOMINGO	46.4	75	1	24	11	522	0	6.42	1.72	20
KETCHUM RANCH	46.1	76	1	26	11	530	0	4.92	2.63	20	WAURIKA	46.9	74	1	28	10	506	0	5.24	2.83	20
SOUTHEAST																					
ANTLERS	46.1	76	1	18	11	530	0	6.44	1.97	20	IDABEL	47.9	72	1	25	11	479	0	10.12	3.03	20
BROKEN BOW	48.6	76	1	25	11	460	0	10.17	2.71	19	MT HERMAN	47.1	74	1	24	11	502	0	8.56	3.04	20
CLAYTON	46.9	79	1	21	11	506	0	7.66	3.31	20	TALIHINA	47.4	79	1	23	11	494	0	8.36	3.17	20
CLOUDY	46.1	72	1	22	11	529	0	7.71	3.33	20	WILBURTON	45.9	79	1	22	11	535	0	7.31	3.03	20
HUGO	48.5	75	1	27	11	461	0	5.93	1.49	20	WISTER	46.9	77	1	23	11	508	0	7.41	3.12	20



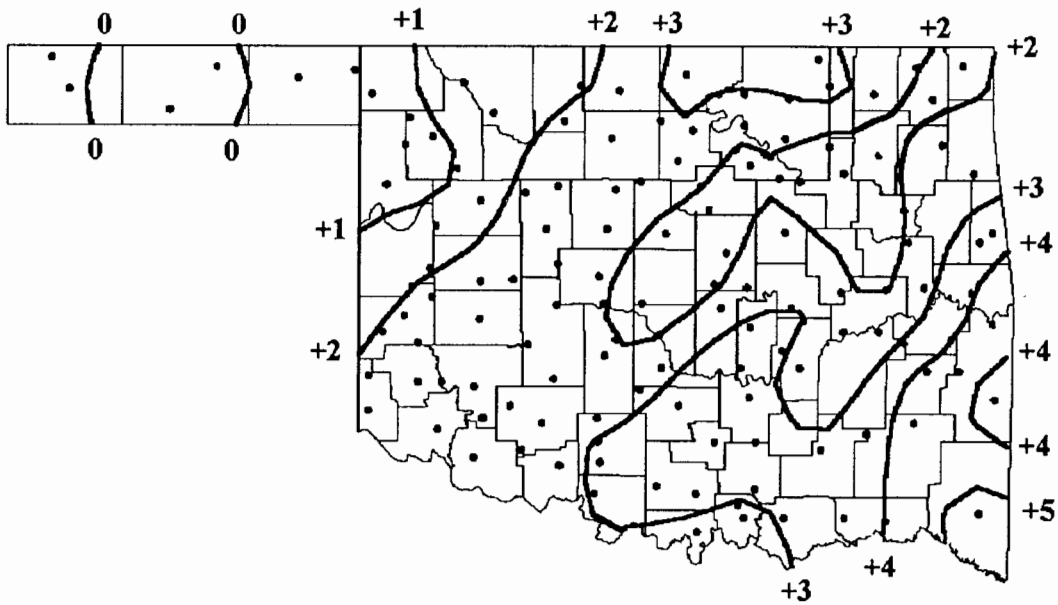
**FEBRUARY 1997 AVERAGE MONTHLY TEMPERATURE
(°F)**



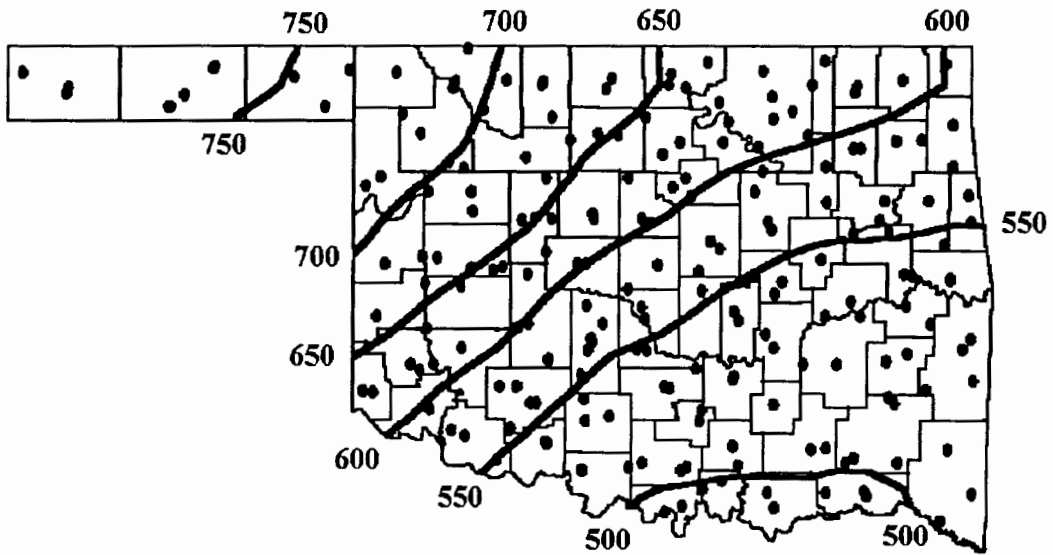
**FEBRUARY 1997 DEPARTURE FROM NORMAL TEMPERATURE
(°F)**



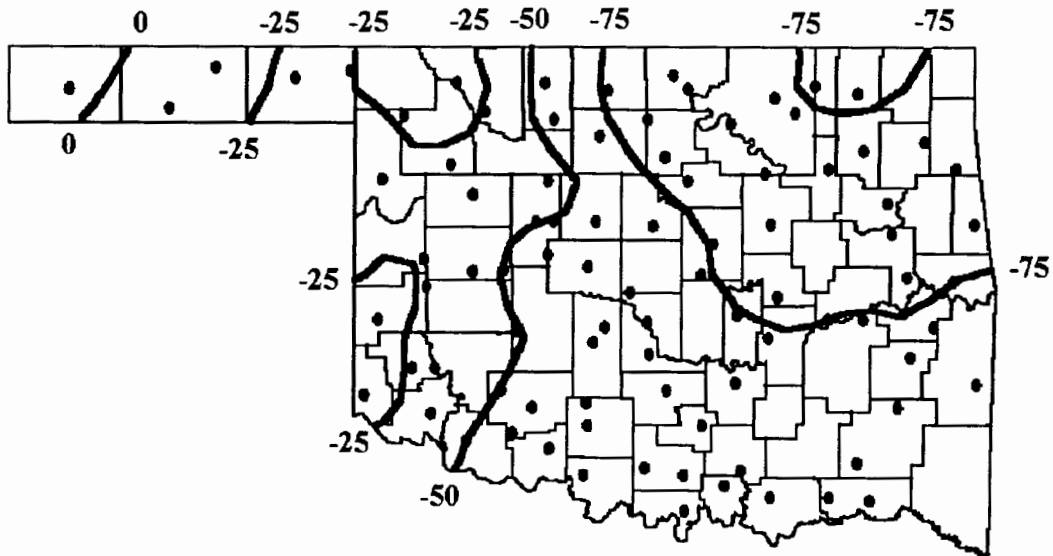
**FEBRUARY 1997 TOTAL PRECIPITATION
(INCHES)**



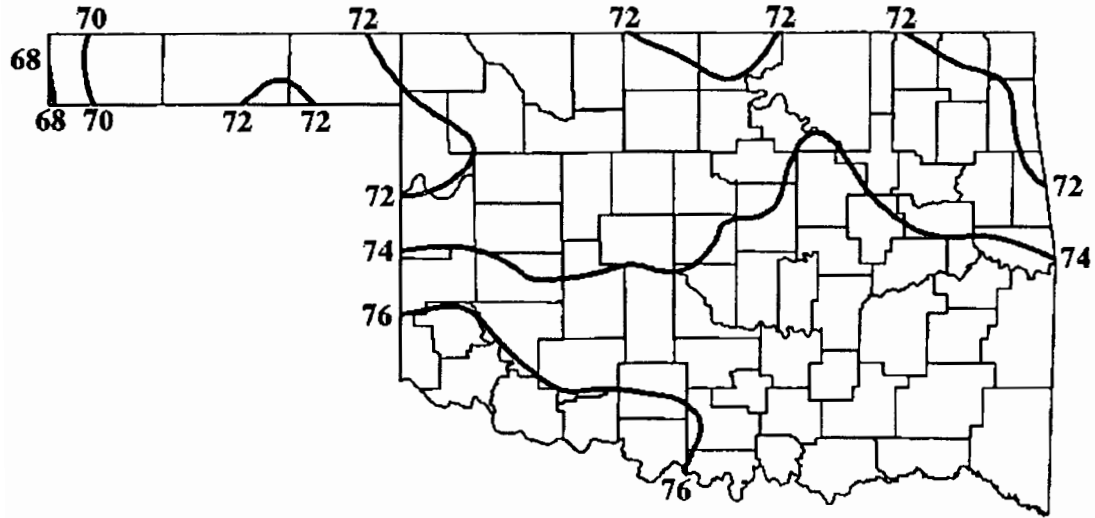
**FEBRUARY 1997 DEPARTURE FROM NORMAL PRECIPITATION
(INCHES)**



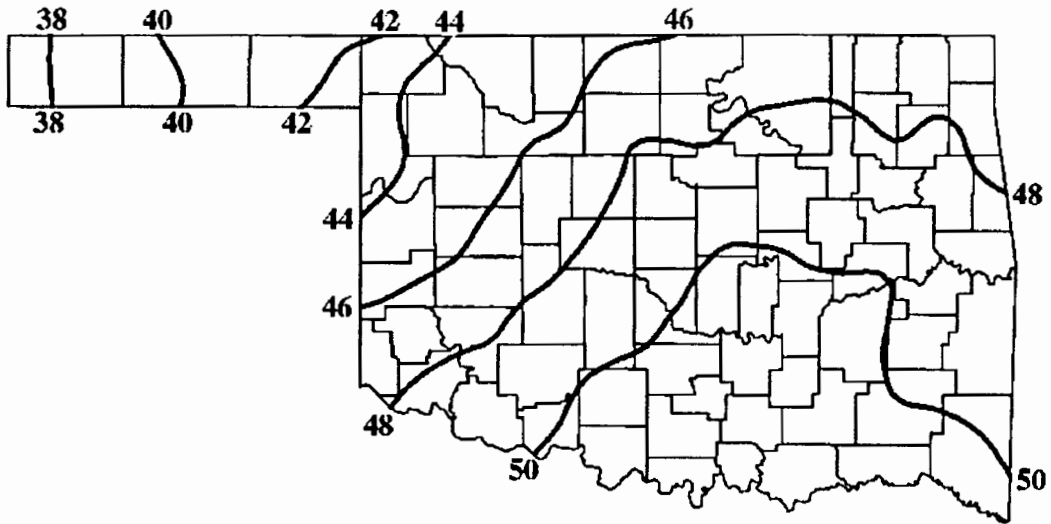
FEBRUARY 1997 ACCUMULATED HEATING DEGREE DAYS
(°F)



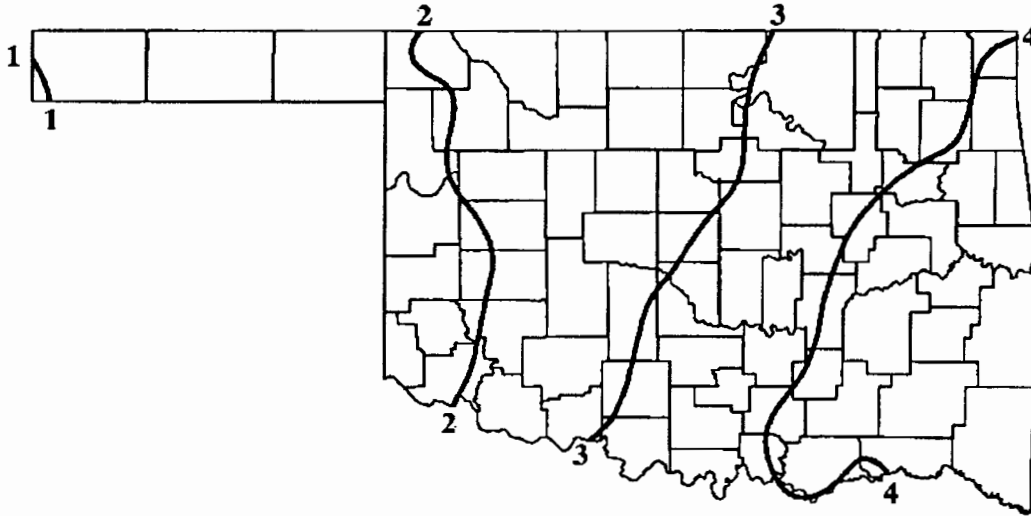
FEBRUARY 1997 DEPARTURE FROM NORMAL HEATING DEGREE DAYS
(°F)



APRIL NORMAL DAILY MAXIMUM TEMPERATURE (°F)



APRIL NORMAL DAILY MINIMUM TEMPERATURE (°F)



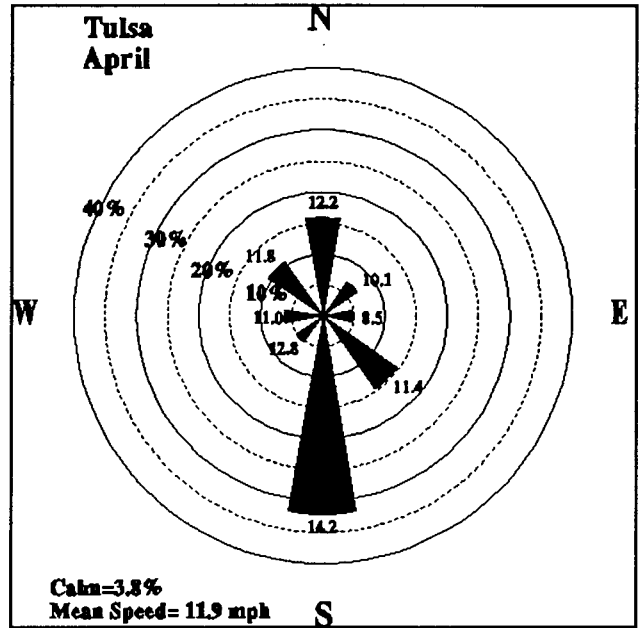
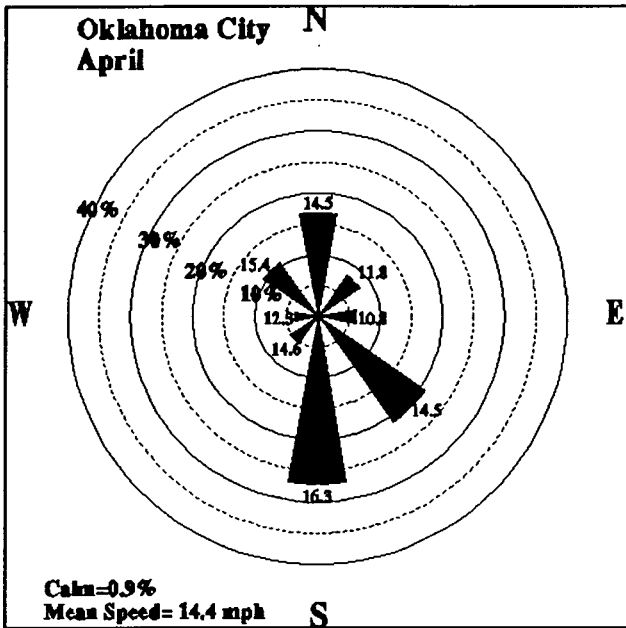
APRIL NORMAL MONTHLY PRECIPITATION (inches)

OUTLOOK FOR APRIL THROUGH JUNE 1997

BASED ON SEASONAL OUTLOOKS PROVIDED BY THE CLIMATE PREDICTION CENTER

**TEMPERATURE: Above Normal Southwest
Near Normal Elsewhere**

PRECIPITATION: Near 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.

APRIL 1997 SUNRISE AND SUNSET

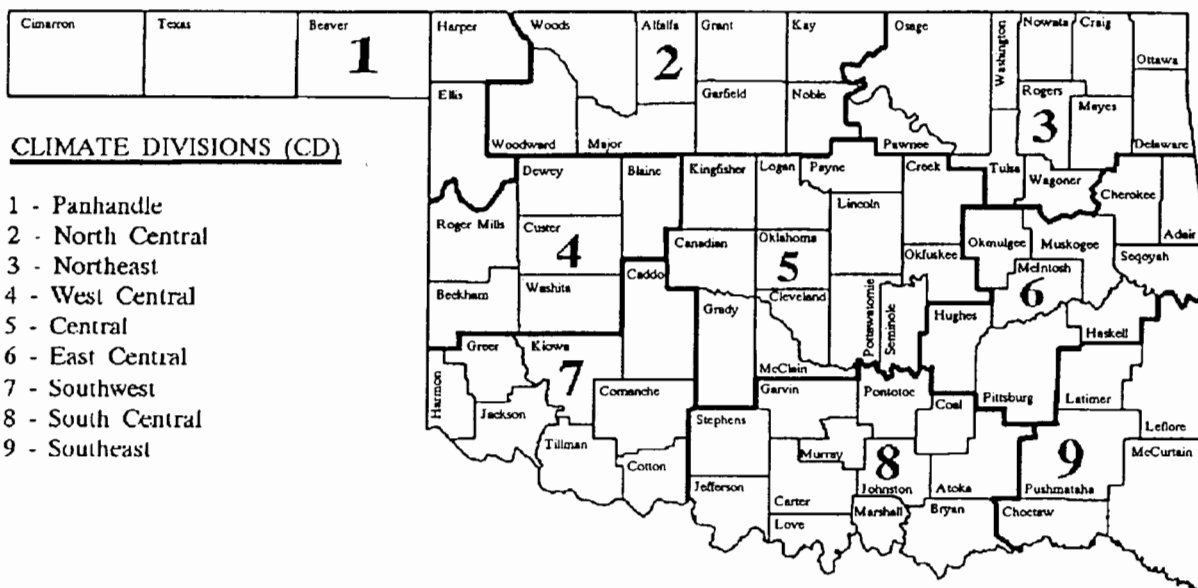
OKLAHOMA CITY

DATE	SUNRISE	SUNSET	DAYLIGHT
97 4 1	7:19AM	7:51PM CDT	12 hrs 32 mins
97 4 2	7:17AM	7:51PM CDT	12 hrs 34 mins
97 4 3	7:16AM	7:52PM CDT	12 hrs 36 mins
97 4 4	7:14AM	7:53PM CDT	12 hrs 39 mins
97 4 5	7:13AM	7:54PM CDT	12 hrs 41 mins
97 4 6	7:12AM	7:55PM CDT	12 hrs 43 mins
97 4 7	7:10AM	7:55PM CDT	12 hrs 45 mins
97 4 8	7: 9AM	7:56PM CDT	12 hrs 47 mins
97 4 9	7: 7AM	7:57PM CDT	12 hrs 50 mins
97 4 10	7: 6AM	7:58PM CDT	12 hrs 52 mins
97 4 11	7: 5AM	7:58PM CDT	12 hrs 54 mins
97 4 12	7: 3AM	7:59PM CDT	12 hrs 56 mins
97 4 13	7: 2AM	8: 0PM CDT	12 hrs 58 mins
97 4 14	7: 1AM	8: 1PM CDT	13 hrs 0 mins
97 4 15	6:59AM	8: 2PM CDT	13 hrs 2 mins
97 4 16	6:58AM	8: 2PM CDT	13 hrs 4 mins
97 4 17	6:57AM	8: 3PM CDT	13 hrs 7 mins
97 4 18	6:55AM	8: 4PM CDT	13 hrs 9 mins
97 4 19	6:54AM	8: 5PM CDT	13 hrs 11 mins
97 4 20	6:53AM	8: 6PM CDT	13 hrs 13 mins
97 4 21	6:52AM	8: 6PM CDT	13 hrs 15 mins
97 4 22	6:50AM	8: 7PM CDT	13 hrs 17 mins
97 4 23	6:49AM	8: 8PM CDT	13 hrs 19 mins
97 4 24	6:48AM	8: 9PM CDT	13 hrs 21 mins
97 4 25	6:47AM	8:10PM CDT	13 hrs 23 mins
97 4 26	6:46AM	8:10PM CDT	13 hrs 25 mins
97 4 27	6:45AM	8:11PM CDT	13 hrs 27 mins
97 4 28	6:44AM	8:12PM CDT	13 hrs 28 mins
97 4 29	6:42AM	8:13PM CDT	13 hrs 30 mins
97 4 30	6:41AM	8:14PM CDT	13 hrs 32 mins

TULSA

DATE	SUNRISE	SUNSET	DAYLIGHT
97 4 1	7:11AM	7:44PM CDT	12 hrs 33 mins
97 4 2	7:10AM	7:45PM CDT	12 hrs 35 mins
97 4 3	7: 8AM	7:46PM CDT	12 hrs 37 mins
97 4 4	7: 7AM	7:47PM CDT	12 hrs 40 mins
97 4 5	7: 6AM	7:47PM CDT	12 hrs 42 mins
97 4 6	7: 4AM	7:48PM CDT	12 hrs 44 mins
97 4 7	7: 3AM	7:49PM CDT	12 hrs 46 mins
97 4 8	7: 1AM	7:50PM CDT	12 hrs 49 mins
97 4 9	7: 0AM	7:51PM CDT	12 hrs 51 mins
97 4 10	6:59AM	7:52PM CDT	12 hrs 53 mins
97 4 11	6:57AM	7:52PM CDT	12 hrs 55 mins
97 4 12	6:56AM	7:53PM CDT	12 hrs 57 mins
97 4 13	6:54AM	7:54PM CDT	13 hrs 0 mins
97 4 14	6:53AM	7:55PM CDT	13 hrs 2 mins
97 4 15	6:52AM	7:56PM CDT	13 hrs 4 mins
97 4 16	6:50AM	7:57PM CDT	13 hrs 6 mins
97 4 17	6:49AM	7:57PM CDT	13 hrs 8 mins
97 4 18	6:48AM	7:58PM CDT	13 hrs 10 mins
97 4 19	6:46AM	7:59PM CDT	13 hrs 13 mins
97 4 20	6:45AM	8: 0PM CDT	13 hrs 15 mins
97 4 21	6:44AM	8: 1PM CDT	13 hrs 17 mins
97 4 22	6:43AM	8: 1PM CDT	13 hrs 19 mins
97 4 23	6:41AM	8: 2PM CDT	13 hrs 21 mins
97 4 24	6:40AM	8: 3PM CDT	13 hrs 23 mins
97 4 25	6:39AM	8: 4PM CDT	13 hrs 25 mins
97 4 26	6:38AM	8: 5PM CDT	13 hrs 27 mins
97 4 27	6:37AM	8: 6PM CDT	13 hrs 29 mins
97 4 28	6:35AM	8: 6PM CDT	13 hrs 31 mins
97 4 29	6:34AM	8: 7PM CDT	13 hrs 33 mins
97 4 30	6:33AM	8: 8PM CDT	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.

OKLAHOMA CITY CLIMATE CALENDAR

APRIL

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
87.7 44.3 10 CDD	Max Min PPT CDD		69.6 46.5 8 CDD	Max Min PPT CDD		68.3 44.3 1 CDD	Max Min PPT CDD		66.2 42.8 1 CDD	Max Min PPT CDD		67.0 42.2 1 CDD	Max Min PPT CDD		71.5 44.6 9 CDD	Max Min PPT CDD		70.8 46.4 7 CDD	Max Min PPT CDD	
Highst Max Lowst Min Highst Min Greatest ppt	92-1946 46-1998 26-1896 00-1946 267-1905		Highst Max Lowst Min Highst Min Greatest ppt	86-1918 43-1976 20-1946 07-1940 99-1922		Highst Max Lowst Min Highst Min Greatest ppt	82-1993 43-1976 21-1975 06-1934 157-1919		Highst Max Lowst Min Highst Min Greatest ppt	80-1983 36-1920 22-1921 06-1929 200-1906		Highst Max Lowst Min Highst Min Greatest ppt	84-1893 43-1899 26-1979 05-1979 539-1863		Highst Max Lowst Min Highst Min Greatest ppt	95-1993 41-1896 26-1996 06-1967 124-1940		Highst Max Lowst Min Highst Min Greatest ppt	94-1893 38-1928 27-1928 08-1893 1,76-1942	
Normal	8	Actual	Normal	9	Actual	Normal	10	Actual	Normal	11	Actual	Normal	12	Actual	Normal	13	Actual	Normal	14	Actual
68.6 47.3 9 CDD	Max Min PPT CDD		68.1 46.0 9 CDD	Max Min PPT CDD		68.1 46.8 1 CDD	Max Min PPT CDD		69.5 46.5 8 CDD	Max Min PPT CDD		69.3 46.9 8 CDD	Max Min PPT CDD		68.8 46.1 9 CDD	Max Min PPT CDD		71.1 46.2 8 CDD	Max Min PPT CDD	
Highst Max Lowst Min Highst Min Greatest ppt	86-1906 36-1998 26-1998 83-1934 299-1922		Highst Max Lowst Min Highst Min Greatest ppt	80-1930 44-1979 25-1914 06-1927 291-1914		Highst Max Lowst Min Highst Min Greatest ppt	91-1934 46-1968 29-1972 06-1966 146-1979		Highst Max Lowst Min Highst Min Greatest ppt	80-1972 47-1962 26-1940 06-1972 1,10-1974		Highst Max Lowst Min Highst Min Greatest ppt	100-1972 35-1957 23-1967 70-1972 3,11-1967		Highst Max Lowst Min Highst Min Greatest ppt	94-1972 40-1967 20-1967 05-1941 3,76-1910		Highst Max Lowst Min Highst Min Greatest ppt	92-1936 46-1928 27-1980 08-1972 1,27-1947	
Normal	15	Actual	Normal	16	Actual	Normal	17	Actual	Normal	18	Actual	Normal	19	Actual	Normal	20	Actual	Normal	21	Actual
71.8 47.8 9 CDD	Max Min PPT CDD		73.8 49.4 9 CDD	Max Min PPT CDD		74.2 51.2 4 CDD	Max Min PPT CDD		73.1 51.9 5 CDD	Max Min PPT CDD		73.6 51.6 4 CDD	Max Min PPT CDD		73.9 51.7 2 CDD	Max Min PPT CDD		74.8 51.9 4 CDD	Max Min PPT CDD	
Highst Max Lowst Min Highst Min Greatest ppt	81-1940 46-1902 30-1928 06-1992 1,67-1947		Highst Max Lowst Min Highst Min Greatest ppt	92-1940 46-1906 31-1921 07-1896 1,06-1970		Highst Max Lowst Min Highst Min Greatest ppt	96-1925 47-1906 30-1966 07-1909 1,46-1908		Highst Max Lowst Min Highst Min Greatest ppt	90-1925 47-1903 30-1969 06-1904 2,67-1942		Highst Max Lowst Min Highst Min Greatest ppt	94-1967 46-1916 35-1959 06-1949 2,92-1916		Highst Max Lowst Min Highst Min Greatest ppt	91-1961 45-1918 36-1906 08-1905 2,07-1937		Highst Max Lowst Min Highst Min Greatest ppt	90-1966 46-1928 31-1980 08-1972 1,39-1996	
Normal	22	Actual	Normal	23	Actual	Normal	24	Actual	Normal	25	Actual	Normal	26	Actual	Normal	27	Actual	Normal	28	Actual
75.6 52.8 4 CDD	Max Min PPT CDD		75.0 52.9 4 CDD	Max Min PPT CDD		75.7 51.9 4 CDD	Max Min PPT CDD		73.9 52.6 4 CDD	Max Min PPT CDD		74.0 52.9 4 CDD	Max Min PPT CDD		74.8 51.3 4 CDD	Max Min PPT CDD		73.2 52.2 4 CDD	Max Min PPT CDD	
Highst Max Lowst Min Highst Min Greatest ppt	96-1966 46-1908 34-1968 06-1901 1,90-1915		Highst Max Lowst Min Highst Min Greatest ppt	89-1988 52-1981 33-1908 70-1989 96-1946		Highst Max Lowst Min Highst Min Greatest ppt	89-1901 52-1947 36-1966 06-1909 1,67-1946		Highst Max Lowst Min Highst Min Greatest ppt	81-1969 51-1919 36-1916 06-1993 2,64-1916		Highst Max Lowst Min Highst Min Greatest ppt	82-1966 50-1919 35-1967 06-1976 1,50-1966		Highst Max Lowst Min Highst Min Greatest ppt	91-1966 67-1979 36-1920 06-1970 1,67-1967		Highst Max Lowst Min Highst Min Greatest ppt	93-1902 50-1922 37-1979 70-1970 1,97-1960	
Normal	29	Actual	Normal	30	Actual															
75.0 52.7 3 CDD	Max Min PPT CDD		74.2 53.3 4 CDD	Max Min PPT CDD																
Highst Max Lowst Min Highst Min Greatest ppt	92-1996 52-1906 34-1906 06-1983 2,67-1974		Highst Max Lowst Min Highst Min Greatest ppt	90-1948 60-1907 32-1927 09-1936 2,13-1976																

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 88.0 46.0 9.07 1	Normal 2 Actual 69.0 46.0 1.12 1	Normal 3 Actual 59.0 45.0 1.15 1	Normal 4 Actual 67.0 44.0 1.15 1	Normal 5 Actual 67.0 43.0 1.08 1	Normal 6 Actual 71.0 46.0 1.00 2	Normal 7 Actual 73.0 46.0 1.05 1
High Max 84-1946 Low Max 44-1963 Low Min 28-1972 High Min 66-1967 Greatest ppt 1.60-1968	High Max 69-1918 Low Max 41-1949 Low Min 22-1966 High Min 65-1978 Greatest ppt .85-1968	High Max 86-1906 Low Max 46-1979 Low Min 23-1978 High Min 69-1981 Greatest ppt 1.26-1979	High Max 80-1949 Low Max 46-1963 Low Min 22-1972 High Min 66-1985 Greatest ppt 4.40-1984	High Max 67-1967 Low Max 47-1966 Low Min 23-1929 High Min 65-1987 Greatest ppt 1.42-1963	High Max 82-1967 Low Max 50-1962 Low Min 25-1966 High Min 66-1987 Greatest ppt .06-1966	High Max 84-1946 Low Max 50-1963 Low Min 25-1967 High Min 66-1987 Greatest ppt 1.47-1976
Normal 8 Actual 70.0 47.0 1.06 1	Normal 9 Actual 69.0 45.0 1.09 1	Normal 10 Actual 69.0 45.0 1.15 1	Normal 11 Actual 70.0 46.0 1.08 1	Normal 12 Actual 70.0 49.0 1.10 2	Normal 13 Actual 69.0 47.0 1.15 1	Normal 14 Actual 71.0 48.0 1.07 1
High Max 86-1906 Low Max 47-1963 Low Min 28-1968 High Min 63-1978 Greatest ppt .71-1981	High Max 60-1980 Low Max 48-1973 Low Min 24-1914 High Min 64-1978 Greatest ppt 1.26-1949	High Max 92-1927 Low Max 47-1966 Low Min 31-1978 High Min 66-1981 Greatest ppt 1.70-1979	High Max 63-1972 Low Max 46-1961 Low Min 30-1940 High Min 68-1972 Greatest ppt 1.10-1982	High Max 102-1972 Low Max 36-1967 Low Min 26-1967 High Min 68-1981 Greatest ppt 1.72-1967	High Max 86-1906 Low Max 45-1967 Low Min 22-1967 High Min 68-1972 Greatest ppt 1.35-1906	High Max 84-1906 Low Max 54-1903 Low Min 31-1967 High Min 67-1972 Greatest ppt 1.60-1906
Normal 15 Actual 72.0 48.0 1.11 1	Normal 16 Actual 75.0 50.0 1.08 2	Normal 17 Actual 74.0 52.0 1.17 2	Normal 18 Actual 73.0 53.0 1.15 2	Normal 19 Actual 74.0 53.0 1.23 5	Normal 20 Actual 74.0 53.0 1.24 2	Normal 21 Actual 76.0 53.0 1.13 3
High Max 93-1906 Low Max 63-1963 Low Min 67-1928 High Min 66-1962 Greatest ppt 2.48-1973	High Max 90-1982 Low Max 65-1981 Low Min 61-1969 High Min 73-1983 Greatest ppt 1.39-1988	High Max 92-1987 Low Max 67-1968 Low Min 59-1921 High Min 70-1969 Greatest ppt 1.75-1968	High Max 96-1925 Low Max 48-1963 Low Min 39-1966 High Min 70-1969 Greatest ppt 1.40-1970	High Max 94-1967 Low Max 45-1963 Low Min 64-1966 High Min 70-1964 Greatest ppt 2.39-1978	High Max 92-1963 Low Max 54-1966 Low Min 62-1966 High Min 71-1964 Greatest ppt 2.61-1978	High Max 94-1906 Low Max 50-1969 Low Min 62-1966 High Min 71-1961 Greatest ppt 1.67-1968
Normal 22 Actual 76.0 53.0 1.16 3	Normal 23 Actual 76.0 54.0 1.11 3	Normal 24 Actual 76.0 53.0 1.08 3	Normal 25 Actual 75.0 54.0 1.11 3	Normal 26 Actual 75.0 54.0 1.09 9	Normal 27 Actual 76.0 54.0 1.13 9	Normal 28 Actual 74.0 53.0 1.12 2
High Max 91-1906 Low Max 62-1984 Low Min 82-1981 High Min 69-1981 Greatest ppt 1.59-1985	High Max 98-1988 Low Max 67-1966 Low Min 59-1969 High Min 69-1986 Greatest ppt 3.82-1959	High Max 91-1978 Low Max 68-1968 Low Min 57-1969 High Min 71-1969 Greatest ppt .99-1979	High Max 86-1929 Low Max 67-1967 Low Min 56-1910 High Min 66-1984 Greatest ppt 1.14-1980	High Max 91-1967 Low Max 65-1960 Low Min 35-1910 High Min 70-1975 Greatest ppt .75-1980	High Max 92-1986 Low Max 61-1979 Low Min 39-1920 High Min 70-1988 Greatest ppt 1.96-1986	High Max 88-1970 Low Max 63-1962 Low Min 37-1966 High Min 71-1970 Greatest ppt 1.46-1960
Normal 29 Actual 76.0 54.0 1.11 3	Normal 30 Actual 75.0 53.0 1.09 3					
High Max 92-1967 Low Max 67-1971 Low Min 58-1968 High Min 66-1986 Greatest ppt 1.70-1974	High Max 91-1987 Low Max 66-1960 Low Min 36-1966 High Min 69-1987 Greatest ppt 3.00-1976					

APRIL AVERAGES

TEMPERATURE : 61.0°F
 PRECIPITATION : 8.63"
 HEATING DEGREE DAYS : 174
 COOLING DEGREE DAYS : 56