OKLAHOMA
MONTHLY SUMMARY
MAY 1994

TABLE OF CONTENTS

MONTHLY SUMMARY FOR MAY 1994

Relatively cool, dry weather dominated Oklahoma during May. Severe weather activity was much less than usual during the month, but the relative absence of large thunderstorms also led to below normal precipitation at most reporting locations. Precipitation across the state averaged 4.02 inches, a deficit from normal of .84 inch. Locally heavy rains and some small tornadoes occurred during the passage of the month's only two major weather systems. Temperatures were also lower than normal. The statewide average temperature of 67.5 degrees for the month was 1.2 degrees below normal.

Precipitation for the first five months of the year totaled 14.29 inches (.54 inch above normal). The spring total of 11.65 inches is .89 inch above normal. Average temperature for the year and for the spring season are both within .3 degree of normal.

Cool, rainy weather dominated much of the state during the first few days of the month. Several locations in northwestern Oklahoma reported sub-freezing minimum temperatures on the first and second, while a number of reporting stations in the south reported daily rainfall amounts in excess of two inches, including Broken Bow with 3.12 inches reported on the 3rd.

A major weather-producing system crossed the state on the 6th, spawning small tornadoes in rural areas of Osage, Payne, Pawnee, Creek and Washington counties. Softball-sized hail was reported in Okfuskee and Pawnee counties. Locally heavy rain caused local flooding in northern Nowata County. Lenapah reported 5 inches of precipitation and Wann received 3.4 inches in 90 minutes. Several locations in eastern Oklahoma reported daily rainfall amounts in excess of two inches on the 7th and 8th. Kenton, in the western Panhandle reported 3.18 inches of precipitation on the 9th.

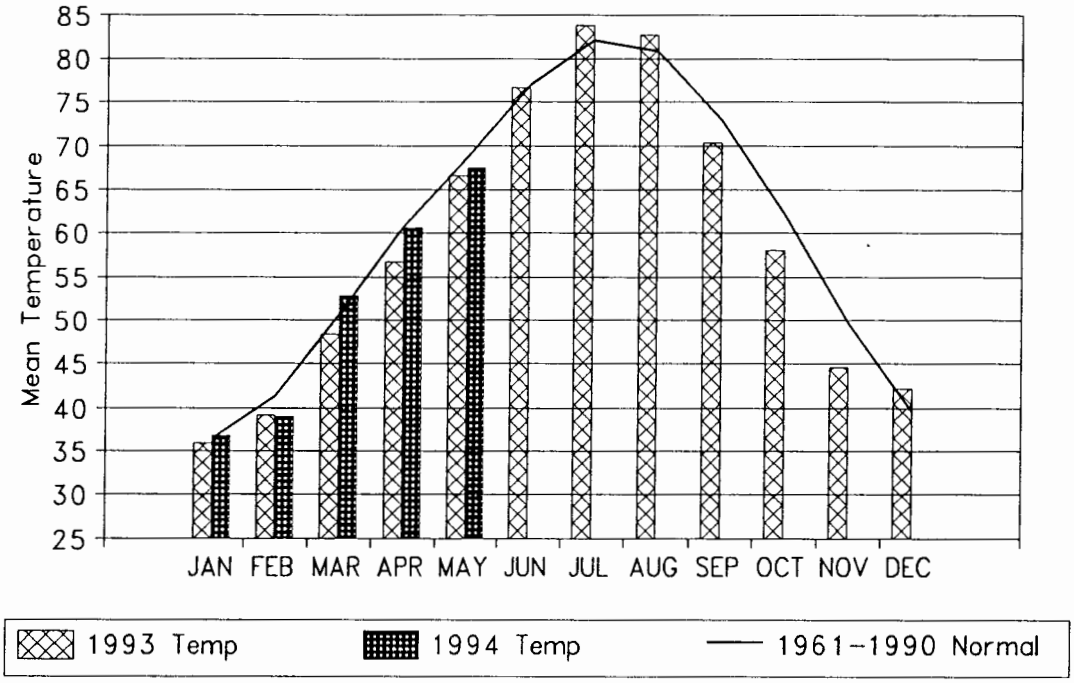
A weaker and considerably less active system just before the middle of the month produced scattered rainfall amounts of over one inch, including 1.64 inches reported at Arnett on the 14th. Warm, dry weather then dominated the state for the next 10 days. Daytime temperatures in the 90s were common, led by 95 at Upper Spavinaw on the 25th and 94 at Buffalo on the 24th.

The state's weather turned more seasonal during the last week of the month, most notably on the 24th when strong thunderstorms deposited large hail or locally heavy rain at many locations throughout the state. Three children were drowned in a flash flood near Duncan, which received 3.9 inches of rain. Four to six inches of rain fell in rural areas of Delaware County, and residents in Custer County reported as much as 6 inches of rain, most of it falling in a few hours. Local flooding was reported in Tulsa and Rogers County.

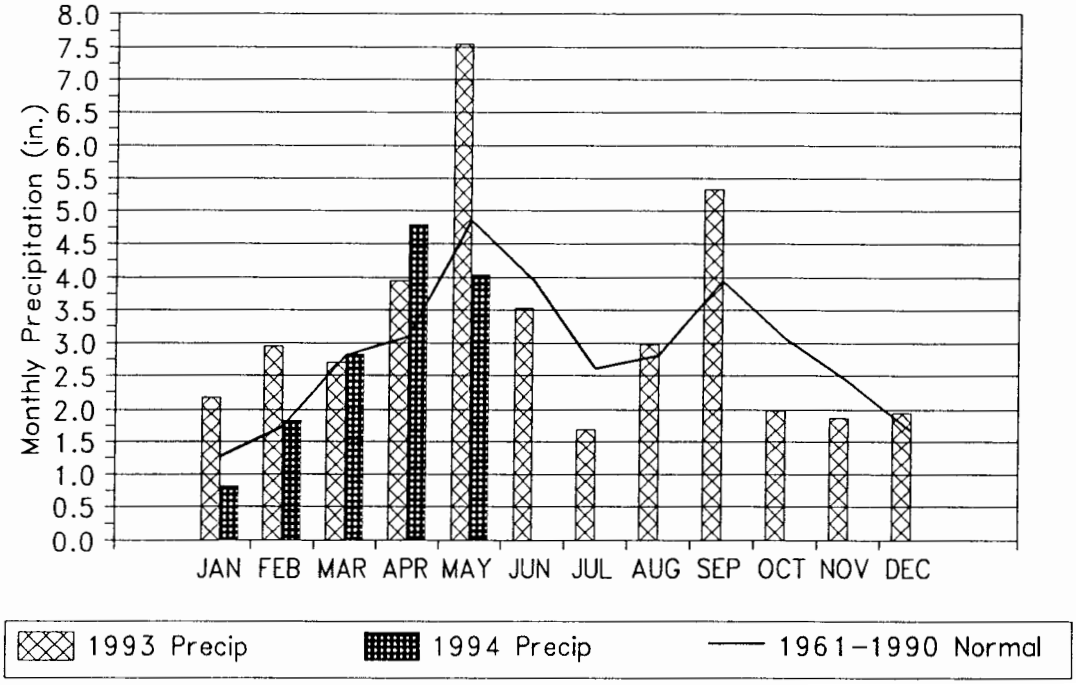
Thunderstorms were common over the state during the remainder of the month with several locations reporting daily precipitation amounts in excess of 2 inches on the 29th. Western Oklahoma experienced summer-like temperatures on the 30th and 31st. Mesonet stations at Beaver, Slapout, and Hooker reported temperatures over 100 degrees on the last day of the month. Hollis reported 99 degrees on the 31st, the highest report from the conventional temperature observing stations.

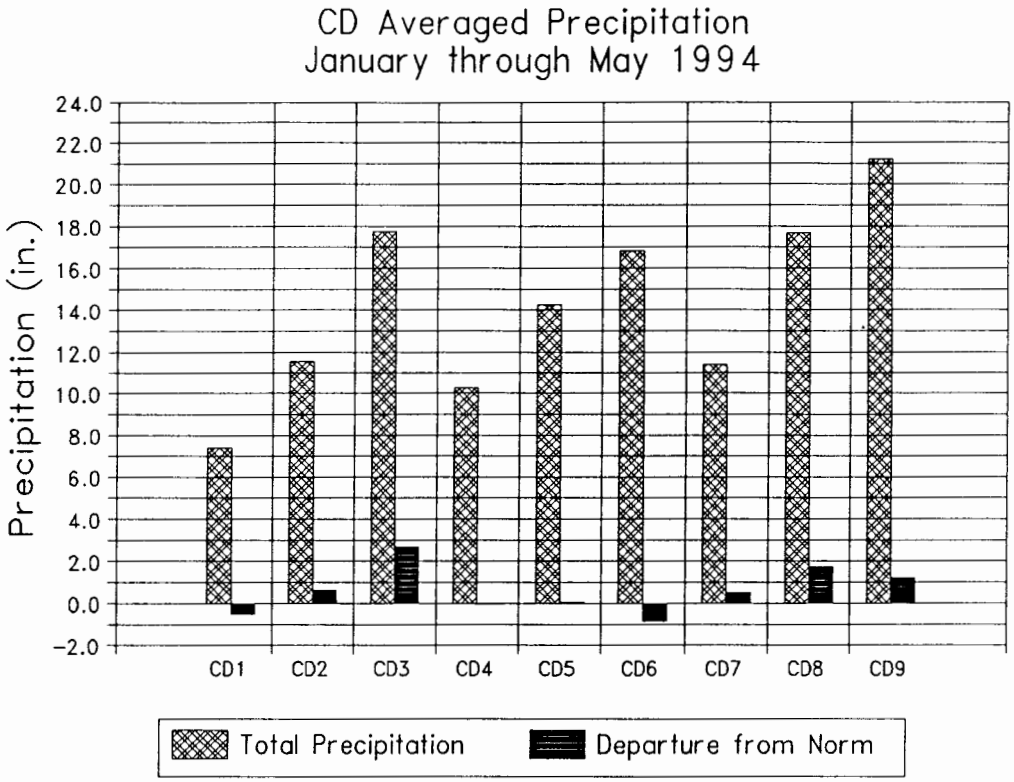
Howard L. Johnson

1993 and 1994 STATEWIDE TEMPERATURES
Monthly Averages

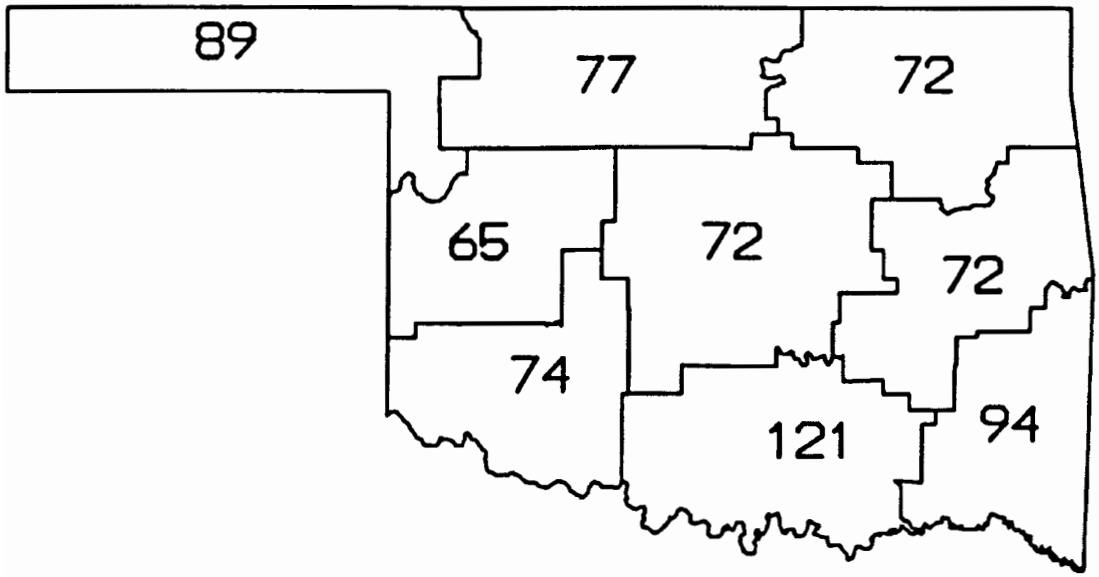


1993 and 1994 STATEWIDE PRECIPITATION
Monthly Totals





CD PERCENT OF NORMAL PRECIPITATION



MAY 1994

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

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	98	31	BEAVER	30	1	BUFFALO	3.18	9	KENTON	4.51	KENTON
	98	31	BUFFALO								
2	97	31	ALVA	27	1	FREEDOM	2.55	24	WOODWARD	4.97	MUTUAL
3	95	25	UPPER SPAVIN	33	1	RALSTON	5.00	7	LENAPAH	6.35	LENAPAH
4	98	30	REYDON	30	1	HAMMON	2.81	26	CANTON DAM	6.83	CANTON DAM
				30	1	TALOGA					
5	94	30	GUTHRIE	38	1	HENNESSEY	2.09	29	HENNESSEY	6.68	COX CITY
	94	31	GUTHRIE								
6	93	30	EUFAULA	40	1	STILWELL	1.90	26	SALLISAW	6.71	WETUMKA
	93	31	EUFAULA	40	2	STILWELL					
7	99	31	HOLLIS	33	1	ALTUS DAM	3.39	26	CHATTANOOGA	7.18	DUNCAN
				33	1	MANGUM RES					
8	91	19	WAURIKA	39	1	WAURIKA	4.20	26	HENNEPIN	9.94	TISHOMINGO
	91	20	WAURIKA								
9	90	31	BOSWELL	40	1	TUSKAHOMA	3.12	3	BROKEN BOW	9.54	CARTER TWR
	90	25	WILBURTON								

TABLE OF 1993/1994 COMPARISONS

	MAY Temperature (°F)		MAY Precipitation (in.)	
Station	1993	1994	1993	1994
Arnett	63.1	63.7	6.05	3.92
Enid	66.7	68.2	9.20	3.70
Mutual	63.5	64.8	8.58	4.97
Tulsa	66.6	67.4	7.00	2.92
Elk City	67.1	67.8	5.10	2.11
Oklahoma City	66.0	66.7	10.90	2.69
McAlester	69.4	68.3	4.99	3.99
Altus Irr Sta	68.8	69.5	7.87	2.48
Durant	67.5	67.4	11.33	6.80
Ada	66.6	67.4	3.68	5.91
Hugo	69.1	69.2	6.80	5.14

EXTREMES

Variable	Station	Division	Observation	Date
Minimum temperature (°F)	Freedom	2	27	1
Maximum temperature (°F)	Hollis	7	99	31
Maximum 24-hour precipitation	Lenapah	3	5.00"	7

MAY 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	63.7	31	-2.0	92.	31	31.	1	103.5	17.5	63.0	-45.0	3.920	31	-.21	1.64	14
BEAVER	593	1	65.9	31	1.0	98.	31	33.	1	84.0	-14.0	113.0	18.0	1.382	31	-1.66	.65	29
BOISE CITY 2 E	908	1	64.8	31	1.5	94.	31	36.	1	75.0	-45.0	68.5	.5	3.691	31	1.11	1.65	10
BUFFALO	1243	1	68.9	31	.7	98.	31	30.	1	45.5	-11.5	165.0	9.0	2.050	31	-2.31	.80	24
FARGO	3070	1	*****	0	*****	****	0	****	0	******	******	******	******	3.774	31	.08	1.78	24
GAGE FAA APT	3407	1	66.5	31	-.7	94.	31	34.	1	65.5	.5	111.0	-22.0	3.464	31	.11	1.44	25
GATE	3489	1	66.8	31	.5	97.	31	34.	1	83.5	-3.5	138.5	11.5	2.350	31	-.68	1.62	29
GOODWELL RES ST	3628	1	65.7	31	2.5	94.	31	32.	1	84.5	-41.5	105.0	34.0	2.000	31	-1.11	.94	26
GUYMON	3835	1	66.8	28	*****	95.	30	34.	1	51.0	******	101.0	******	2.560	29	*****	1.97	26
HOOKER	4298	1	65.2	31	.1	95.	31	33.	2	96.5	2.5	104.0	7.0	1.401	31	-1.56	.72	26
KENTON	4766	1	64.8	29	*****	93.	31	36.	1	74.5	******	69.5	******	4.511	31	2.02	3.18	9
LAVERNE	5045	1	*****	0	*****	****	0	****	0	******	******	******	******	3.900	31	.61	1.42	29
OPTIMA LAKE	6740	1	66.4	30	*****	94.	31	46.	3	60.5	******	102.5	******	3.852	31	*****	2.31	10
REGNIER	7534	1	*****	0	*****	****	0	****	0	******	******	******	******	2.011	31	-.24	1.08	10
TURPIN 4 SSE	9017	1	65.4	31	*****	95.	31	32.	1	97.5	******	110.5	******	1.381	31	*****	1.20	26

MAY 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	69.0	31	*****	97.	31	38.	1	45.5	******	170.0	******	3.580	31	*****	1.12	29
VANCE AFB	302	2	*****	0	*****	****	0	****	0	******	******	******	******	4.480	31	*****	1.82	29
BILLINGS	755	2	65.4	31	-2.2	91.	31	34.	1	88.5	24.5	102.0	-43.0	2.262	31	-2.25	.90	29
BLACKWELL 2E	818	2	66.9	31	-.6	92.	30	33.	1	65.0	9.0	125.0	-9.0	2.590	31	-2.15	2.08	29
BRAMAN	1075	2	*****	0	*****	****	0	****	0	******	******	******	******	1.410	29	*****	1.18	29
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	******	******	******	******	3.020	31	*****	1.28	24
CHEROKEE	1724	2	67.7	31	-1.3	94.	31	41.	1	52.5	16.5	137.5	-22.5	4.460	31	.57	1.05	29
ENID	2912	2	68.2	31	-.9	91.	31	39.	1	53.0	23.0	151.5	-5.5	3.700	31	-1.10	1.39	24
FT SUPPLY DAM	3304	2	66.2	31	.3	94.	31	34.	2	79.0	4.0	117.0	14.0	2.042	31	-1.65	.75	29
FREEDOM	3358	2	64.6	31	-4.1	94.	31	27.	1	105.0	65.0	92.5	-62.5	3.330	31	-.15	1.79	29
GREAT SALT PLNS	3740	2	66.7	31	-1.1	93.	31	36.	1	77.5	20.5	129.0	-14.0	2.041	31	-1.81	.45	24
HARDY	3909	2	*****	0	*****	****	0	****	0	******	******	******	******	1.033	31	*****	.60	28
HELENA 1 SSE	4019	2	67.3	31	.8	93.	31	38.	1	71.5	-6.5	144.0	19.0	4.181	31	.16	1.75	29
JEFFERSON	4573	2	68.4	31	-.3	94.	31	35.	1	46.0	4.0	151.5	-5.5	2.011	31	-2.51	.92	28
LAMONT	5013	2	*****	0	*****	****	0	****	0	******	******	******	******	2.601	31	*****	1.39	29
MEDFORD	5768	2	*****	0	*****	****	0	****	0	******	******	******	******	2.380	31	*****	1.25	28
MORRISON	6065	2	*****	0	*****	****	0	****	0	******	******	******	******	3.840	31	*****	1.60	7
MUTUAL	6139	2	64.8	31	-1.2	94.	31	31.	1	97.0	16.0	92.0	-20.0	4.970	31	.95	1.81	24
NEWKIRK	6278	2	66.8	31	-1.3	90.	31	31.	1	71.5	21.5	128.5	-17.5	3.340	31	-1.55	2.02	29
ORIENTA	6751	2	*****	0	*****	****	0	****	0	******	******	******	******	4.580	31	.80	1.80	24
PERRY	7012	2	69.4	31	.2	93.	31	37.	1	46.0	9.0	182.0	15.0	3.950	31	-1.32	2.11	26
PONCA CITY FAA	7201	2	69.0	31	1.2	94.	30	33.	1	53.0	-15.0	178.5	23.5	2.603	31	-1.96	2.06	29
RED ROCK 1 NNE	7505	2	*****	0	*****	****	0	****	0	******	******	******	******	4.270	31	-.34	1.97	26
WAYNOKA	9404	2	67.4	31	-1.5	94.	31	32.	1	61.0	23.0	136.5	-22.5	3.080	31	-1.02	1.33	29
WOODWARD	9760	2	*****	0	*****	****	0	****	0	******	******	******	******	4.110	31	.15	2.55	24

MAY 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	66.6	31	-2.0	89.	31	37.	1	63.5	30.5	113.0	-32.0	2.621	31	-2.18	1.04	26
BARTLESVILLE 2W	548	3	67.5	31	-1.2	91.	31	39.	1	51.0	16.0	128.5	-20.5	.832	31	-3.57	.28	7
BIXBY	782	3	65.7	31	-1.9	88.	31	42.	2	78.5	28.5	101.0	-30.0	3.510	31	-1.49	1.11	29
BURBANK	1256	3	*****	0	*****	****	0	****	0	******	******	******	******	4.760	31	.03	2.58	6
CHELSEA 4 S	1717	3	*****	0	*****	****	0	****	0	******	******	******	******	1.520	31	*****	.52	15
CLAREMORE	1828	3	64.8	31	-2.2	88.	26	41.	8	91.0	24.0	85.0	-44.0	2.810	31	-1.83	1.07	26
CLEVELAND 5 WSW	1902	3	68.2	31	*****	89.	31	37.	1	50.0	******	148.5	******	4.830	31	*****	2.10	29
FORAKER	3250	3	*****	0	*****	****	0	****	0	******	******	******	******	.351	30	*****	.30	7
HOLLOW	4258	3	*****	0	*****	****	0	****	0	******	******	******	******	2.911	31	-2.11	1.54	7
HOMINY	4289	3	*****	0	*****	****	0	****	0	******	******	******	******	2.873	31	-1.68	1.24	30
HULAH DAM	4393	3	65.7	31	-.8	91.	31	37.	2	81.0	7.0	104.0	-17.0	.830	30	*****	.39	29
JAY TOWER	4567	3	63.2	20	*****	88.	31	41.	3	83.0	******	47.0	******	3.300	31	*****	2.20	1
KANSAS 1 ESE	4672	3	65.2	31	-2.0	86.	31	40.	1	74.5	20.5	80.0	-42.0	3.255	31	-2.13	1.43	13
KEYSTONE DAM	4812	3	64.8	31	-2.5	89.	26	39.	1	87.0	31.0	82.0	-45.0	3.911	29	*****	2.04	29
LENAPAH	5118	3	*****	0	*****	****	0	****	0	******	******	******	******	6.350	31	*****	5.00	7
MANNFORD 6 NW	5522	3	67.2	31	-1.3	88.	31	38.	1	52.5	14.5	121.0	-25.0	5.340	29	*****	2.07	29
MARAMEC	5540	3	*****	0	*****	****	0	****	0	******	******	******	******	4.051	31	-.74	2.10	7
MIAMI	5855	3	64.9	31	-1.8	93.	26	35.	1	87.0	13.0	84.5	-41.5	2.372	31	-2.64	1.08	7
NOWATA	6485	3	66.6	31	-1.5	89.	31	41.	3	69.0	20.0	119.5	-25.5	3.251	31	-1.23	1.34	7
PAWHUSKA	6935	3	66.6	31	-1.4	89.	31	34.	1	64.0	18.0	114.5	-24.5	2.390	31	-2.45	1.01	29
PAWNEE	6940	3	*****	0	*****	****	0	****	0	******	******	******	******	5.080	31	.18	2.55	7
PRYOR 6 N	7309	3	64.6	31	-2.4	89.	31	40.	9	89.5	21.5	78.0	-52.0	2.733	31	-1.94	.64	13
RALSTON	7390	3	67.3	31	-1.5	90.	31	33.	1	50.5	10.5	121.0	-37.0	5.251	31	.49	2.90	7
RAMONA 4 N	7394	3	*****	0	*****	****	0	****	0	******	******	******	******	1.090	31	*****	.54	18
SKIATOOK	8258	3	*****	0	*****	****	0	****	0	******	******	******	******	2.350	31	-2.34	1.09	29
SPAVINAW	8380	3	68.0	31	-.7	88.	31	41.	1	47.5	6.5	140.0	-16.0	1.824	31	-2.95	.82	30
TULSA WSO APT	8992	3	67.4	31	-1.9	89.	25	43.	1	58.0	17.0	133.5	-40.5	2.920	31	-2.68	1.49	26
UPPER SPAVINAW	9101	3	69.1	30	*****	95.	25	40.	1	43.0	******	165.0	******	3.472	31	*****	.80	15
VINITA 2 N	9203	3	65.3	31	-1.7	88.	25	36.	1	78.5	9.5	87.0	-44.0	2.720	31	-2.39	1.12	13
WAGONER	9247	3	66.9	31	-2.1	87.	31	43.	1	52.5	18.5	112.5	-45.5	4.183	31	-.77	2.39	26
WANN	9298	3	*****	0	*****	****	0	****	0	******	******	******	******	4.560	31	*****	3.85	7
WYNONA	9792	3	*****	0	*****	****	0	****	0	******	******	******	******	3.152	31	*****	1.62	29

MAY 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	65.1	31	-2.3	93.	31	32.	1	101.0	47.0	103.5	-24.5	6.830	31	2.49	2.81	26
CHEYENNE	1738	4	*****	0	*****	****	0	****	0	******	******	******	******	1.320	31	-2.71	.60	24
CLINTON	1909	4	68.0	31	-1.5	95.	31	33.	1	49.5	19.5	144.0	-26.0	1.621	31	-3.31	.58	3
COLONY	2039	4	*****	0	*****	****	0	****	0	******	******	******	******	2.352	31	*****	.81	3
CORDELL	2125	4	*****	0	*****	****	0	****	0	******	******	******	******	1.525	31	-3.16	.70	3
ELK CITY 1 E	2849	4	67.8	30	-.8	93.	31	33.	1	47.0	20.0	132.0	-7.0	2.112	31	-2.46	.79	26
ERICK 4 E	2944	4	68.0	31	-.3	95.	31	33.	1	45.5	5.5	137.5	-4.5	1.201	31	-2.89	.81	3
GEARY	3497	4	69.0	31	.7	92.	31	41.	1	46.0	8.0	169.5	29.5	3.910	31	-.59	1.82	26
HAMMON 1 NNE	3871	4	64.9	30	-2.0	94.	31	30.	1	98.0	36.0	96.0	-25.0	1.183	31	-3.06	.63	13
LEEDEY	5090	4	*****	0	*****	****	0	****	0	******	******	******	******	3.150	31	-1.27	1.49	26
MACKIE 4 NNW	5463	4	*****	0	*****	****	0	****	0	******	******	******	******	1.370	31	*****	.73	14
MORAVIA 2 NNE	6035	4	*****	0	*****	****	0	****	0	******	******	******	******	2.170	31	-2.50	.97	26
OKEENE	6629	4	67.2	31	-2.1	92.	31	41.	1	56.5	26.5	126.0	-37.0	6.480	31	2.04	2.20	29
RETROP	7565	4	*****	0	*****	****	0	****	0	******	******	******	******	1.380	31	*****	.88	3
REYDON	7579	4	71.6	31	4.6	98.	30	40.	1	24.5	-36.5	228.5	105.5	.882	30	*****	.46	26
SAYRE	7952	4	*****	0	*****	****	0	****	0	******	******	******	******	1.161	31	-3.17	.58	3
SWEETWATER 2 E	8652	4	*****	0	*****	****	0	****	0	******	******	******	******	1.002	31	*****	.60	26
TALOGA	8708	4	66.3	31	-1.3	93.	30	30.	1	72.5	21.5	111.5	-20.5	5.542	31	.80	2.36	26
THOMAS	8815	4	*****	0	*****	****	0	****	0	******	******	******	******	4.210	31	*****	1.25	26
VICI	9172	4	*****	0	*****	****	0	****	0	******	******	******	******	3.751	31	-.66	2.17	26
WATONGA	9364	4	68.0	31	-.4	93.	31	42.	1	60.0	24.0	152.0	10.0	3.491	31	-1.13	1.10	24
WEATHERFORD	9422	4	68.8	31	.5	94.	31	38.	1	68.5	31.5	187.5	48.5	3.060	31	-1.55	.89	24

MAY 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	******	******	******	******	2.450	31	*****	.75	3
ARCADIA	288	5	*****	0	*****	****	0	****	0	******	******	******	******	4.341	31	*****	1.42	29
TINKER AFB	325	5	*****	0	*****	****	0	****	0	******	******	******	******	2.960	31	*****	1.24	29
BLANCHARD 2 SSW	830	5	67.8	31	-1.8	88.	31	42.	1	45.0	24.0	131.0	-33.0	2.910	31	-2.04	.75	3
BRISTOW	1144	5	67.3	31	-1.9	88.	31	41.	4	54.5	27.5	126.0	-31.0	4.581	31	-.93	1.67	3
CHANDLER	1684	5	67.9	31	-1.3	89.	31	41.	1	48.5	21.5	137.0	-20.0	4.212	31	-1.07	1.53	3
CHICKASHA EX ST	1750	5	67.7	31	-2.7	91.	31	43.	1	54.0	41.0	137.0	-44.0	3.814	31	-.87	.91	29
COX CITY 1 E	2196	5	*****	0	*****	****	0	****	0	******	******	******	******	6.680	31	*****	1.20	24
CRESCENT	2242	5	*****	0	*****	****	0	****	0	******	******	******	******	3.780	31	*****	1.75	29
CUSHING	2318	5	66.9	31	-1.1	89.	31	40.	2	71.0	22.0	129.5	-12.5	3.830	31	-1.57	1.45	7
EL RENO 1 N	2818	5	67.6	31	-1.1	91.	31	45.	3	49.0	23.0	129.5	-11.5	3.580	31	-1.83	1.20	26
GUTHRIE	3821	5	69.9	31	.2	94.	31	41.	1	39.5	11.5	190.0	16.0	3.241	31	-1.73	1.43	29
HENNESSEY 4 ESE	4055	5	67.3	31	-1.6	92.	31	38.	1	57.5	18.5	129.0	-31.0	5.400	31	.66	2.09	29
INGALLS	4489	5	*****	0	*****	****	0	****	0	******	******	******	******	4.292	31	*****	2.00	7
KINGFISHER 2 SE	4861	5	68.1	31	-1.3	92.	30	43.	1	50.5	20.5	147.0	-20.0	4.600	31	-.03	1.94	29
KONAWA	4915	5	*****	0	*****	****	0	****	0	******	******	******	******	4.521	31	-1.18	1.83	3
MARSHALL	5589	5	*****	0	*****	****	0	****	0	******	******	******	******	2.760	31	-2.12	1.32	29
MEEKER 4 W	5779	5	66.7	31	-2.3	89.	30	42.	1	56.5	27.5	109.5	-43.5	2.950	31	-2.62	1.30	28
MULHALL	6110	5	*****	0	*****	****	0	****	0	******	******	******	******	2.670	31	*****	1.33	29
NORMAN 3 S	6386	5	67.0	31	-2.7	91.	31	41.	1	58.5	43.5	119.5	-41.5	2.743	31	-2.42	1.27	29
OILTON 2 SE	6616	5	*****	0	*****	****	0	****	0	******	******	******	******	4.960	31	*****	2.00	6
OKEMAH	6638	5	68.6	31	-.4	88.	31	43.	1	43.0	19.0	153.5	5.5	4.700	31	-.60	1.33	29
OKLAHOMA CTY WS	6661	5	66.7	31	-1.7	88.	31	42.	1	55.5	24.5	109.5	-26.5	2.693	31	-2.53	1.30	29
PERKINS	7003	5	*****	0	*****	****	0	****	0	******	******	******	******	3.090	31	-2.40	1.46	29
PIEDMONT	7068	5	*****	0	*****	****	0	****	0	******	******	******	******	4.810	31	*****	1.40	26
PRAGUE	7264	5	*****	0	*****	****	0	****	0	******	******	******	******	2.701	31	-2.59	1.30	2
PURCELL 5 SW	7327	5	67.5	31	-2.5	89.	31	41.	1	45.5	31.5	123.5	-45.5	5.652	31	.08	1.35	25
SEMINOLE	8042	5	68.8	31	-1.8	90.	31	42.	1	44.0	29.0	161.0	-28.0	3.051	31	-2.18	1.41	3
SHAWNEE	8110	5	*****	0	*****	****	0	****	0	******	******	******	******	3.101	31	-2.57	1.35	29
STELLA	8479	5	*****	0	*****	****	0	****	0	******	******	******	******	2.880	31	*****	1.36	29
STILLWATER 2 W	8501	5	66.9	31	-.8	92.	31	40.	8	79.0	30.0	139.0	6.0	2.833	31	-2.30	1.21	29
STROUD 1 N	8563	5	*****	0	*****	****	0	****	0	******	******	******	******	3.812	31	*****	1.67	3
TECUMSEH	8751	5	*****	0	*****	****	0	****	0	******	******	******	******	3.560	31	*****	1.40	29
TROUSDALE	8960	5	*****	0	*****	****	0	****	0	******	******	******	******	4.540	31	*****	1.26	3
UNION CITY 1 SE	9086	5	*****	0	*****	****	0	****	0	******	******	******	******	3.071	31	-2.52	.86	26
WELTY 1 SSE	9479	5	*****	0	*****	****	0	****	0	******	******	******	******	3.582	31	*****	1.22	3
WEWOKA	9575	5	*****	0	*****	****	0	****	0	******	******	******	******	3.450	31	-1.76	1.56	3

MAY 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	******	******	******	******	3.613	31	*****	1.82	3
BEGGS	631	6	*****	0	*****	****	0	****	0	******	******	******	******	3.100	31	*****	1.49	3
BOYNTON	1027	6	*****	0	*****	****	0	****	0	******	******	******	******	3.173	31	*****	1.20	3
CHECOTAH	1711	6	*****	0	*****	****	0	****	0	******	******	******	******	3.410	31	-2.01	1.21	3
CLAYTON 14 WNW	1858	6	*****	0	*****	****	0	****	0	******	******	******	******	3.070	31	*****	1.64	30
DEWAR 2 NE	2485	6	*****	0	*****	****	0	****	0	******	******	******	******	4.010	31	-1.22	1.20	3
DUSTIN	2690	6	*****	0	*****	****	0	****	0	******	******	******	******	4.320	31	*****	1.57	3
EUFAULA	2993	6	74.0	31	3.6	93.	31	50.	2	17.5	.5	295.0	111.0	5.010	31	-.67	1.63	3
HANNA	3884	6	67.2	31	-2.3	87.	25	44.	1	44.0	26.0	112.0	-46.0	5.382	31	-.63	1.80	3
HARTSHORNE	3946	6	*****	0	*****	****	0	****	0	******	******	******	******	5.120	31	*****	1.64	3
HASKELL	3956	6	*****	0	*****	****	0	****	0	******	******	******	******	3.391	31	-1.82	1.14	3
HOLDENVILLE	4235	6	67.4	31	-2.0	88.	31	44.	1	44.0	24.0	117.5	-38.5	3.661	31	-1.73	1.62	3
LAKE EUFAULA	4975	6	66.6	31	*****	89.	27	42.	4	76.5	******	127.0	******	4.981	31	*****	1.69	3
LYONS 2 N	5437	6	*****	0	*****	****	0	****	0	******	******	******	******	2.690	31	-2.92	1.26	26
MARBLE CITY	5546	6	*****	0	*****	****	0	****	0	******	******	******	******	2.548	31	*****	1.19	8
MCALESTER FAA	5664	6	68.3	31	-.8	89.	31	46.	3	40.5	5.5	144.0	-18.0	3.993	31	-1.90	1.53	29
MCCURTAIN 1 SE	5693	6	68.4	31	-1.3	89.	25	42.	2	46.5	20.5	152.0	-19.0	4.951	31	-1.09	1.65	8
MUSKOGEE	6130	6	67.7	31	-1.4	89.	31	44.	8	49.5	16.5	133.5	-26.5	4.460	31	-.66	1.14	2
OKMULGEE W W	6670	6	64.8	31	-3.4	88.	26	43.	1	80.0	46.0	73.5	-59.5	2.571	30	*****	1.12	3
OKTAHA 2 NE	6678	6	*****	0	*****	****	0	****	0	******	******	******	******	4.840	31	*****	1.37	13
SALLISAW 2 NE	7862	6	67.8	16	*****	88.	30	44.	8	18.5	******	63.0	******	2.790	31	-3.02	1.90	26
SCIPIO	7979	6	*****	0	*****	****	0	****	0	******	******	******	******	3.710	31	*****	1.61	29
SHORT	8170	6	*****	0	*****	****	0	****	0	******	******	******	******	5.000	31	*****	1.63	26
STILWELL 1 NE	8506	6	64.2	31	-3.2	87.	31	40.	2	79.0	27.0	54.0	-72.0	2.700	31	-2.97	1.21	26
TAHLEQUAH	8677	6	65.4	31	-2.6	89.	17	41.	8	77.0	15.0	88.0	-67.0	1.620	31	-3.76	.67	3
WEBBERS FALLS	9445	6	65.5	31	-3.0	87.	31	44.	8	80.0	38.0	95.5	-54.5	4.881	31	-.76	1.31	13
WESTVILLE	9523	6	*****	0	*****	****	0	****	0	******	******	******	******	1.200	31	*****	.50	29
WETUMKA 3 NE	9571	6	*****	0	*****	****	0	****	0	******	******	******	******	6.710	31	1.42	1.86	7

MAY 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	69.5	31	-2.1	96.	31	35.	1	41.0	29.0	179.0	-37.0	2.480	31	-1.75	1.12	26
ALTUS DAM	184	7	68.9	31	-1.2	94.	31	33.	1	72.5	51.5	194.5	15.5	3.210	31	-1.20	1.68	26
ANADARKO	224	7	67.6	31	-2.1	89.	31	42.	2	48.0	25.0	130.0	-39.0	2.641	31	-2.04	1.22	3
APACHE	260	7	*****	0	*****	****	0	****	0	******	******	******	******	2.720	31	-2.29	.88	13
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	******	******	******	******	1.934	30	*****	.62	26
CARNEGIE 2 ENE	1504	7	68.5	31	-1.3	94.	31	39.	1	43.0	26.0	153.0	-13.0	2.870	31	-2.25	1.03	2
CHATTANOOGA	1706	7	69.7	31	-1.3	93.	25	37.	1	36.5	27.5	182.5	-12.5	5.530	31	1.08	3.39	26
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	******	******	******	******	7.180	31	*****	3.17	25
FREDERICK	3353	7	66.9	31	-3.4	93.	25	37.	2	70.5	51.5	130.5	-52.5	4.420	31	.12	2.20	3
GRANDFIELD 4 NW	3709	7	*****	0	*****	****	0	****	0	******	******	******	******	4.720	31	.31	2.92	26
HEADRICK	3998	7	*****	0	*****	****	0	****	0	******	******	******	******	2.601	31	*****	.80	27
HOBART FAA APT	4204	7	68.5	31	-1.4	95.	31	34.	1	54.5	31.5	163.0	-12.0	1.563	31	-2.94	.72	2
HOLLIS	4249	7	69.2	31	-2.0	99.	31	35.	1	43.0	26.0	173.0	-36.0	1.250	31	-2.27	.55	13
LAWTON	5063	7	67.6	31	-2.4	90.	31	43.	1	63.0	48.0	143.0	-27.0	4.502	31	-.42	1.08	26
FORT SILL	5068	7	68.0	31	*****	88.	31	43.	1	44.5	******	139.0	******	4.584	31	*****	1.53	12
LOOKEBA 2 ENE	5329	7	*****	0	*****	****	0	****	0	******	******	******	******	4.730	31	-.08	1.20	24
MANGUM RES STA	5509	7	68.8	31	-2.6	96.	31	33.	1	45.5	31.5	163.5	-49.5	2.100	31	-2.15	.55	3
RANDLETT 9 E	7403	7	*****	0	*****	****	0	****	0	******	******	******	******	2.800	31	*****	1.25	3
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	******	******	******	******	2.170	31	-2.68	.97	26
SEDAN	8016	7	*****	0	*****	****	0	****	0	******	******	******	******	1.850	31	*****	.72	3
SNYDER	8299	7	*****	0	*****	****	0	****	0	******	******	******	******	3.791	31	-.89	1.55	26
VINSON 3 WNW	9212	7	*****	0	*****	****	0	****	0	******	******	******	******	1.570	31	-2.40	.53	26
WALTERS	9278	7	67.2	31	-4.3	91.	25	42.	1	64.0	55.0	133.5	-77.5	5.450	29	*****	1.60	28
WICHITA MT WLR	9629	7	65.1	31	-3.1	88.	31	36.	1	84.0	52.0	87.5	-43.5	3.321	31	-1.66	1.38	13
WILLOW	9668	7	*****	0	*****	****	0	****	0	******	******	******	******	2.110	31	*****	.91	3

MAY 1994 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

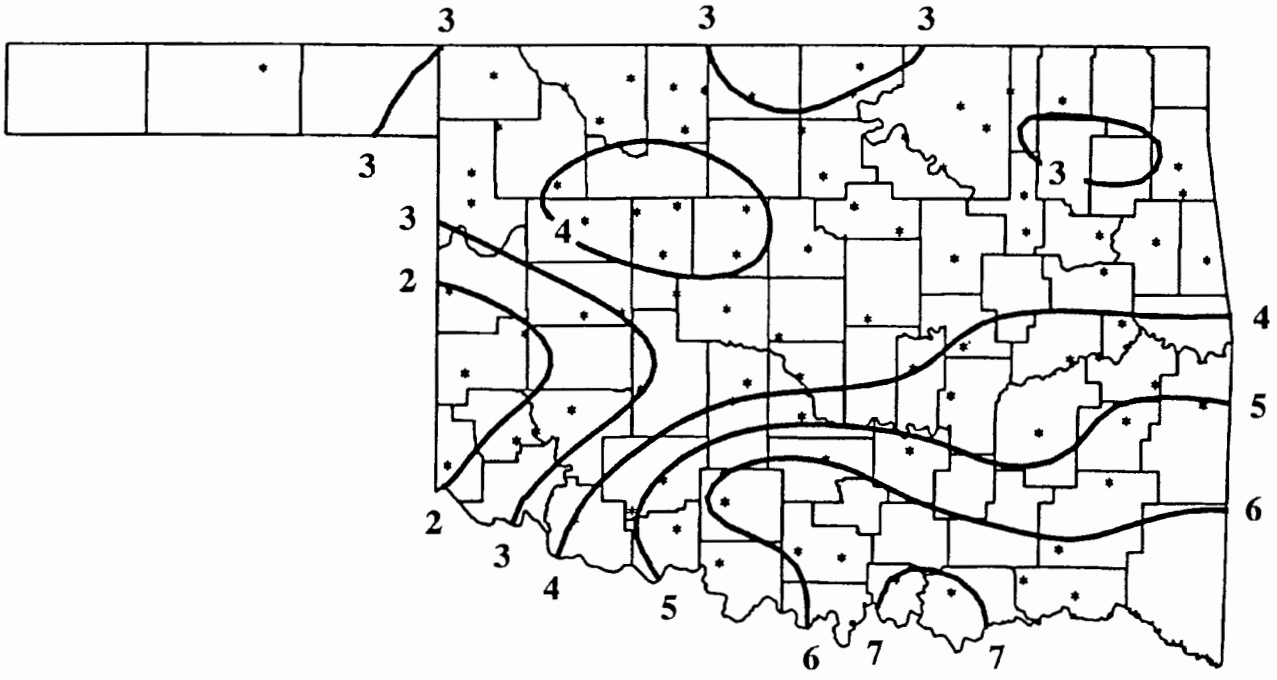
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ADA	17	8	67.4	31	-2.2	87.	31	42.	1	49.5	29.5	122.5	-40.5	5.913	31	.29	2.12	3
ALLEN	147	8	*****	0	*****	****	0	****	0	******	******	******	******	6.450	31	*****	1.70	30
ARDMORE	292	8	68.4	31	-3.6	88.	31	45.	1	41.5	36.5	146.0	-76.0	7.510	31	2.53	1.63	30
ATOKA DAM	394	8	68.2	21	*****	89.	26	45.	3	36.5	******	103.0	******	8.170	21	*****	2.18	2
BOKCHITO	917	8	*****	0	*****	****	0	****	0	******	******	******	******	8.030	31	*****	2.02	3
CENTRAHOMA	1648	8	*****	0	*****	****	0	****	0	******	******	******	******	4.250	31	*****	1.80	3
CHICKASAW NRA	1745	8	69.0	30	.0	89.	31	49.	1	17.5	-.5	136.5	-5.5	9.221	30	*****	2.81	25
COLEMAN	2011	8	*****	0	*****	****	0	****	0	******	******	******	******	7.480	31	*****	2.70	26
COMANCHE	2054	8	*****	0	*****	****	0	****	0	******	******	******	******	4.980	31	-.03	1.35	2
DAISY 4 ENE	2354	8	*****	0	*****	****	0	****	0	******	******	******	******	6.833	31	-.08	2.20	3
DUNCAN	2660	8	66.9	31	-3.1	88.	31	42.	1	70.0	55.0	127.5	-42.5	9.521	31	4.38	3.90	26
DURANT USDA	2678	8	67.4	31	-2.3	85.	31	45.	1	59.0	39.0	132.5	-33.5	6.800	31	1.22	2.05	3
FARRIS 3 WNW	3083	8	*****	0	*****	****	0	****	0	******	******	******	******	6.710	31	1.34	2.50	26
GRADY	3688	8	*****	0	*****	****	0	****	0	******	******	******	******	3.980	31	*****	1.20	26
HEALDTON	4001	8	67.7	30	-2.7	87.	31	44.	1	42.5	29.5	123.5	-56.5	5.390	31	.30	1.40	26
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	******	******	******	******	9.780	31	*****	4.20	26
KETCHUM RANCH	4780	8	*****	0	*****	****	0	****	0	******	******	******	******	8.090	31	*****	2.45	26
KINGSTON	4865	8	*****	0	*****	****	0	****	0	******	******	******	******	8.900	31	3.61	2.75	26
LEHIGH	5108	8	*****	0	*****	****	0	****	0	******	******	******	******	5.975	31	*****	1.97	25
LINDSAY 2 W	5216	8	67.9	31	-2.1	89.	31	44.	1	43.0	29.0	132.5	-36.5	4.600	29	*****	1.23	29
LOCO 6 SE	5247	8	*****	0	*****	****	0	****	0	******	******	******	******	4.890	31	*****	1.48	3
MADILL	5468	8	69.0	30	-1.9	89.	17	44.	8	42.0	33.0	162.0	-29.0	6.540	30	*****	2.69	2
MARIETTA	5563	8	69.3	31	-1.4	88.	31	46.	1	37.0	26.0	169.0	-19.0	6.840	31	1.91	3.40	26
MARLOW 1 WSW	5581	8	68.7	31	-.8	89.	31	41.	1	39.0	23.0	154.5	-1.5	7.550	31	2.40	2.38	25
MCGEE CREEK DAM	5713	8	68.1	31	*****	88.	26	44.	3	56.0	******	153.5	******	8.190	31	*****	3.25	26
PAULS VALLEY	6926	8	68.0	31	-2.6	90.	31	43.	1	37.5	20.5	130.5	-60.5	6.780	31	1.04	1.40	25
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	******	******	******	******	5.930	31	.24	1.67	2
TISHOMINGO NWLR	8884	8	68.0	21	*****	89.	31	46.	2	31.0	******	93.0	******	9.940	22	*****	2.50	26
TUSSY	9032	8	*****	0	*****	****	0	****	0	******	******	******	******	8.220	31	*****	2.12	24
WAURIKA	9395	8	69.5	31	-2.2	91.	20	39.	1	36.5	28.5	175.5	-40.5	3.861	31	-.54	1.28	2
WAURIKA DAM	9399	8	68.5	31	*****	90.	31	44.	1	55.0	******	165.0	******	3.982	31	*****	1.33	3

MAY 1994 SUMMARY FOR SOUTHEAST DIVISION (CD9)

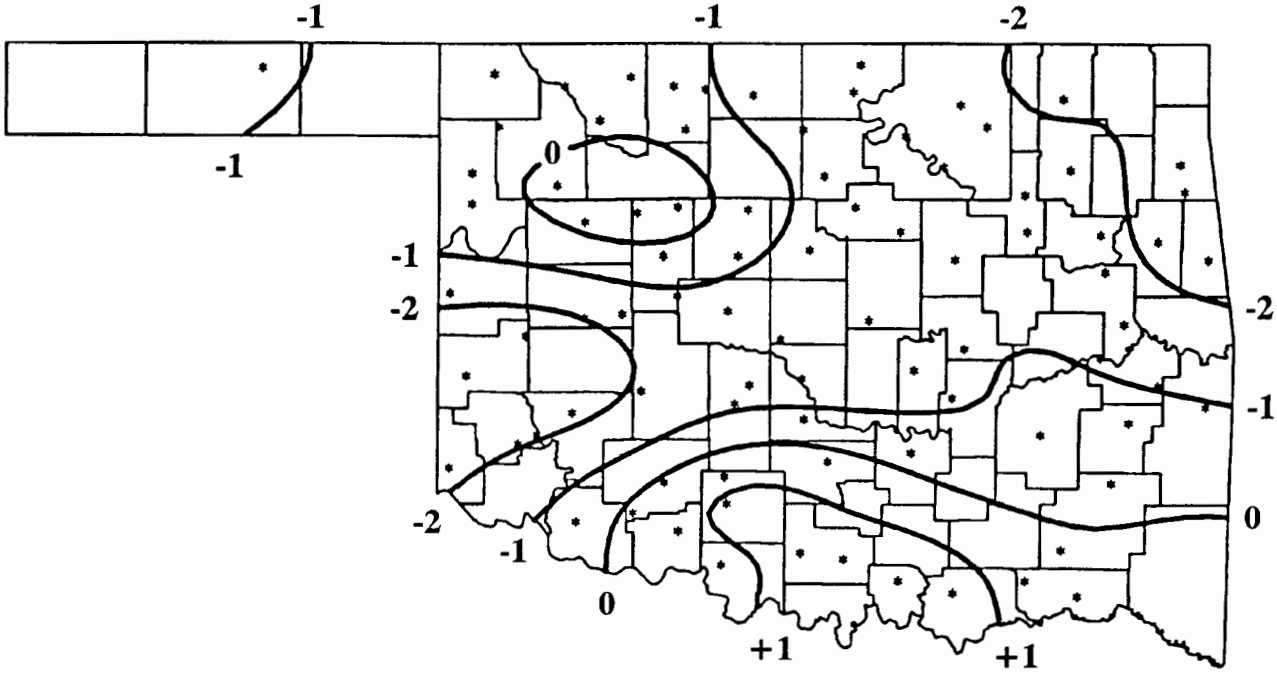
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	68.0	31	-1.7	88.	31	41.	1	41.5	25.5	135.0	-26.0	8.100	31	1.90	3.00	26
BATTIEST 1 SSW	567	9	65.0	31	*****	85.	30	41.	2	68.0	******	68.5	******	8.910	30	*****	2.70	26
BEAR MT TWR	584	9	67.3	30	-2.3	88.	26	42.	2	52.0	35.0	122.5	-37.5	7.780	29	*****	2.27	3
BENGAL	670	9	*****	0	*****	****	0	****	0	******	******	******	******	5.030	31	*****	2.26	8
BOSWELL 4 NNW	980	9	68.0	31	-1.9	90.	31	44.	1	52.5	38.5	145.0	-21.0	6.813	31	1.14	2.33	3
BROKEN BOW 1 N	1162	9	*****	0	*****	****	0	****	0	******	******	******	******	8.610	31	2.29	3.12	3
BROKEN BOW DAM	1168	9	68.1	31	-.9	88.	31	42.	1	48.0	20.0	145.0	-7.0	8.661	30	*****	2.47	26
CARNASAW TWR	1499	9	*****	0	*****	****	0	****	0	******	******	******	******	8.330	31	1.54	2.83	26
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	******	******	******	******	9.540	31	2.72	2.66	3
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	******	******	******	******	5.700	31	-.93	2.64	8
HEAVENER 1 SE	4008	9	*****	0	*****	****	0	****	0	******	******	******	******	6.000	31	-.50	1.45	3
HEE MT TWR	4017	9	*****	0	*****	****	0	****	0	******	******	******	******	7.292	31	.58	2.57	3
HUGO	4384	9	69.2	31	-1.8	87.	25	44.	2	38.0	28.0	168.5	-27.5	5.142	31	-.84	1.79	3
IDABEL	4451	9	68.2	31	-1.5	88.	31	43.	1	51.5	32.5	152.0	-12.0	5.863	31	-.04	2.18	3
POTEAU W W	7254	9	66.9	31	*****	89.	30	43.	2	67.0	******	124.5	******	4.742	31	*****	1.60	3
SMITHVILLE 1 W	8285	9	65.2	31	-2.3	86.	30	41.	2	72.0	29.0	77.0	-43.0	5.953	31	-1.02	2.20	3
SPIRO	8416	9	*****	0	*****	****	0	****	0	******	******	******	******	4.431	31	-1.29	1.46	3
TUSKAHOMA	9023	9	67.5	31	-2.2	89.	25	40.	1	44.0	28.0	122.0	-40.0	6.191	31	-.51	2.36	3
VALLIANT 3 W	9118	9	*****	0	*****	****	0	****	0	******	******	******	******	6.492	31	.31	2.12	3
WILBURTON 9 ENE	9634	9	67.3	31	-1.6	90.	25	41.	1	46.0	8.0	116.0	-43.0	5.660	31	-.43	2.45	7

MAY 1994 CLIMATE DIVISION SUMMARY

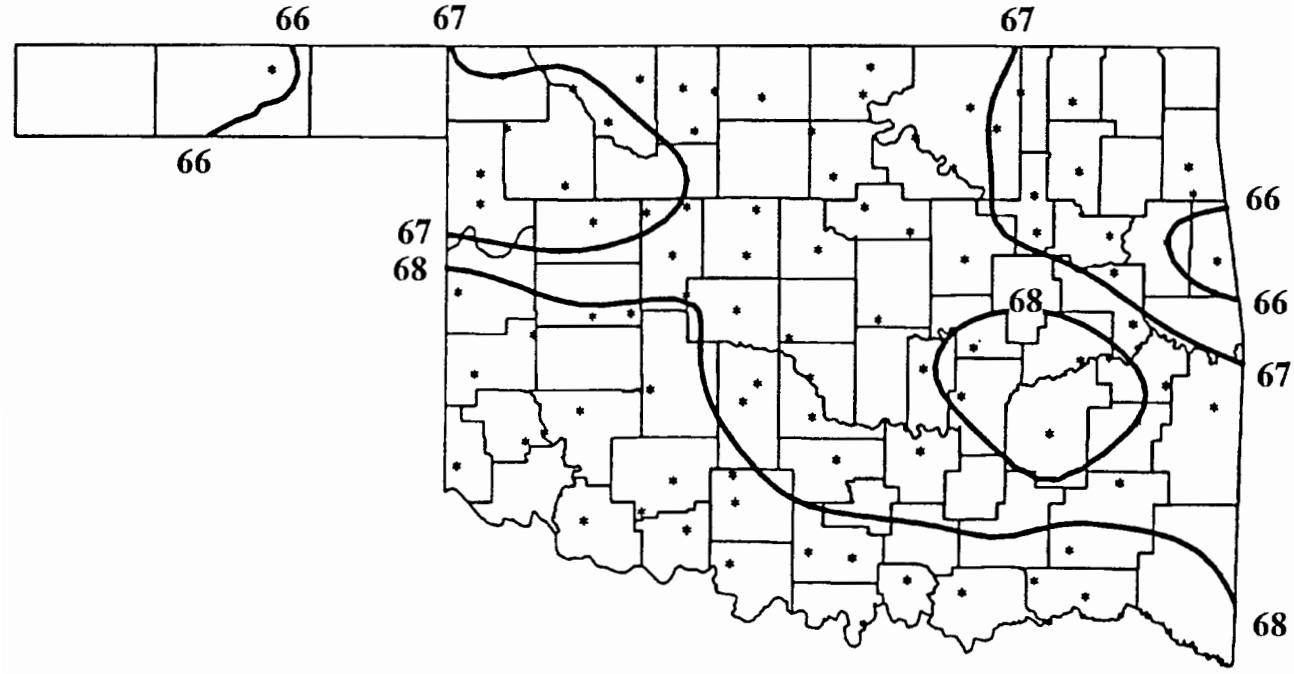
CLIMATE DIV	MEAN TEMP	NUM STA	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEGREE DAYS	DEV FROM NORM	COOL DEGREE DAYS	DEV FROM NORM	TOT PPT	NUM STA	DEV FROM NORM	MAX 24-HR	DAY
1	65.9	10	.8	98.0	31	30.0	1	79.6	-15.6	108.1	8.7	2.83	14	-.36	3.18	9
2	67.2	15	-.7	97.0	31	27.0	1	67.5	14.3	135.8	-8.4	3.27	24	-1.01	2.55	24
3	66.5	19	-1.4	95.0	25	33.0	1	66.8	15.6	111.5	-28.9	3.25	28	-1.61	5.00	7
4	67.7	11	-.6	98.0	30	30.0	1	60.8	20.0	144.4	2.0	2.80	21	-1.64	2.81	26
5	67.7	16	-1.5	94.0	31	38.0	1	53.2	26.1	135.7	-20.8	3.75	37	-1.49	2.09	29
6	67.2	11	-1.8	93.0	31	40.0	2	57.7	24.4	126.5	-29.7	3.86	27	-1.69	1.90	26
7	68.1	13	-2.2	99.0	31	33.0	1	54.6	37.2	151.7	-31.8	3.25	23	-1.32	3.39	26
8	68.3	14	-2.0	91.0	20	39.0	1	44.7	30.3	145.1	-33.3	6.65	26	1.29	4.20	26
9	67.3	11	-2.1	90.0	25	40.0	1	52.8	30.4	125.1	-34.9	6.46	17	.11	3.12	3



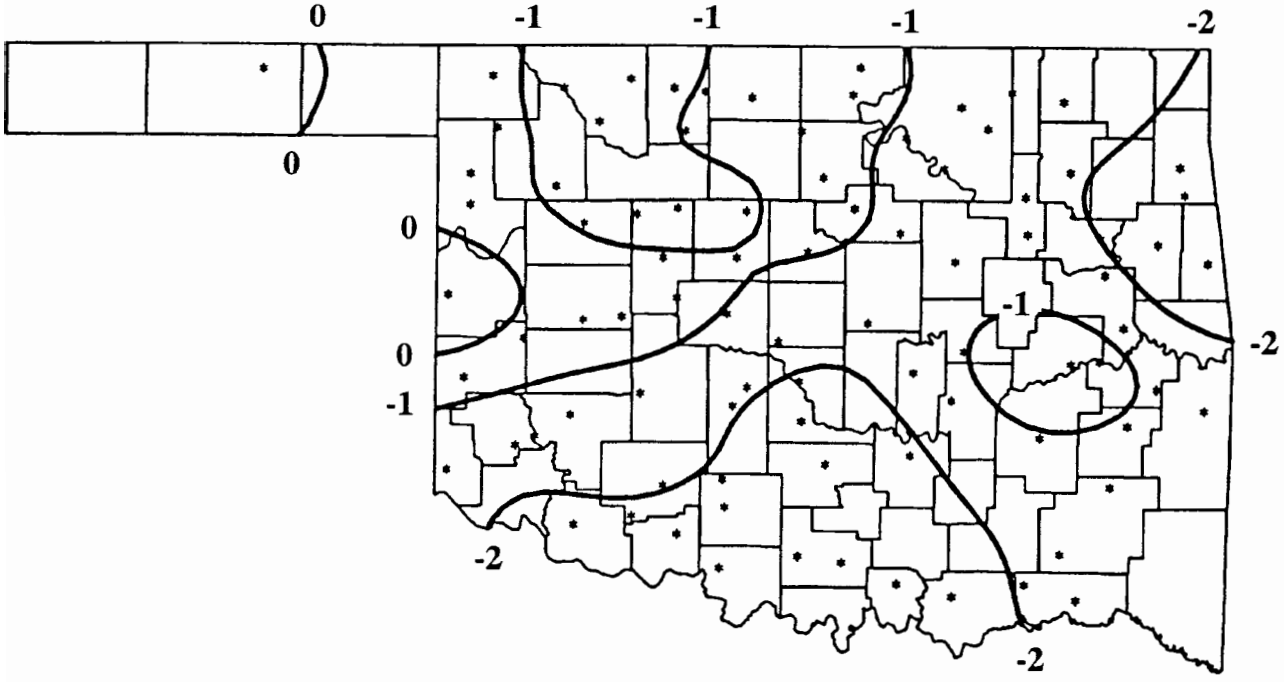
MAY 1994 TOTAL PRECIPITATION
(Inches)



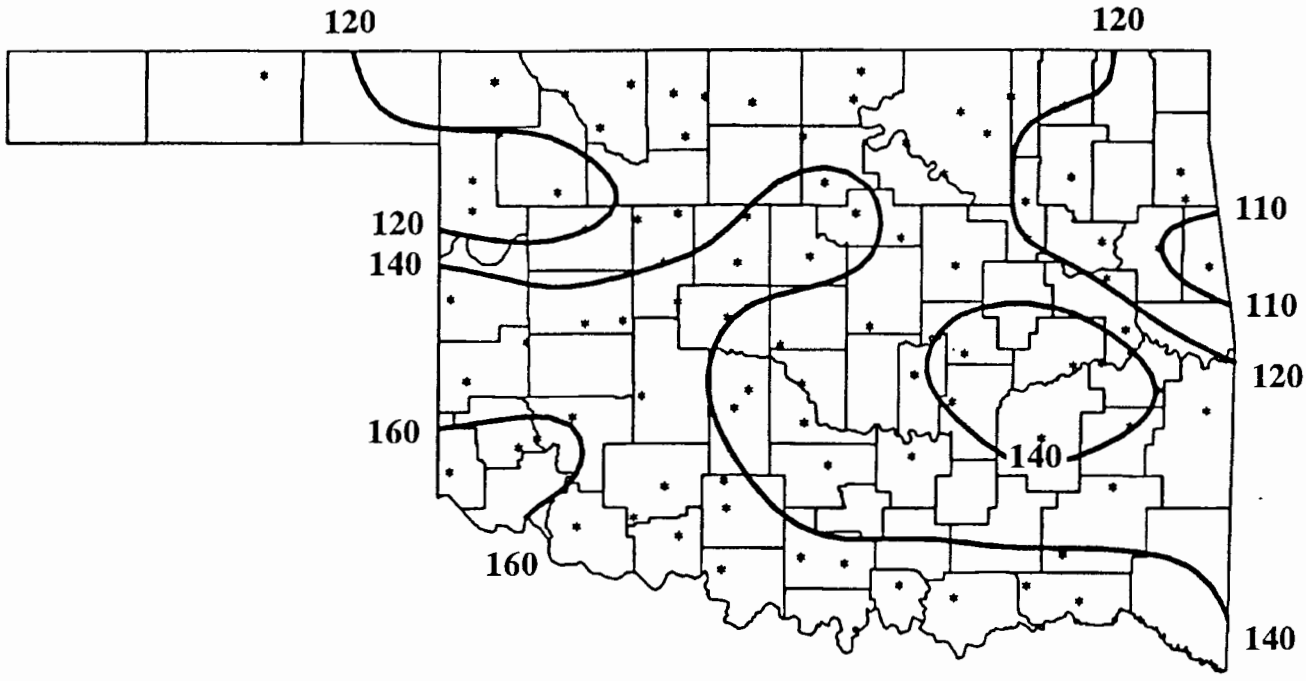
MAY 1994 DEVIATION FROM NORMAL PRECIPITATION
(Inches)



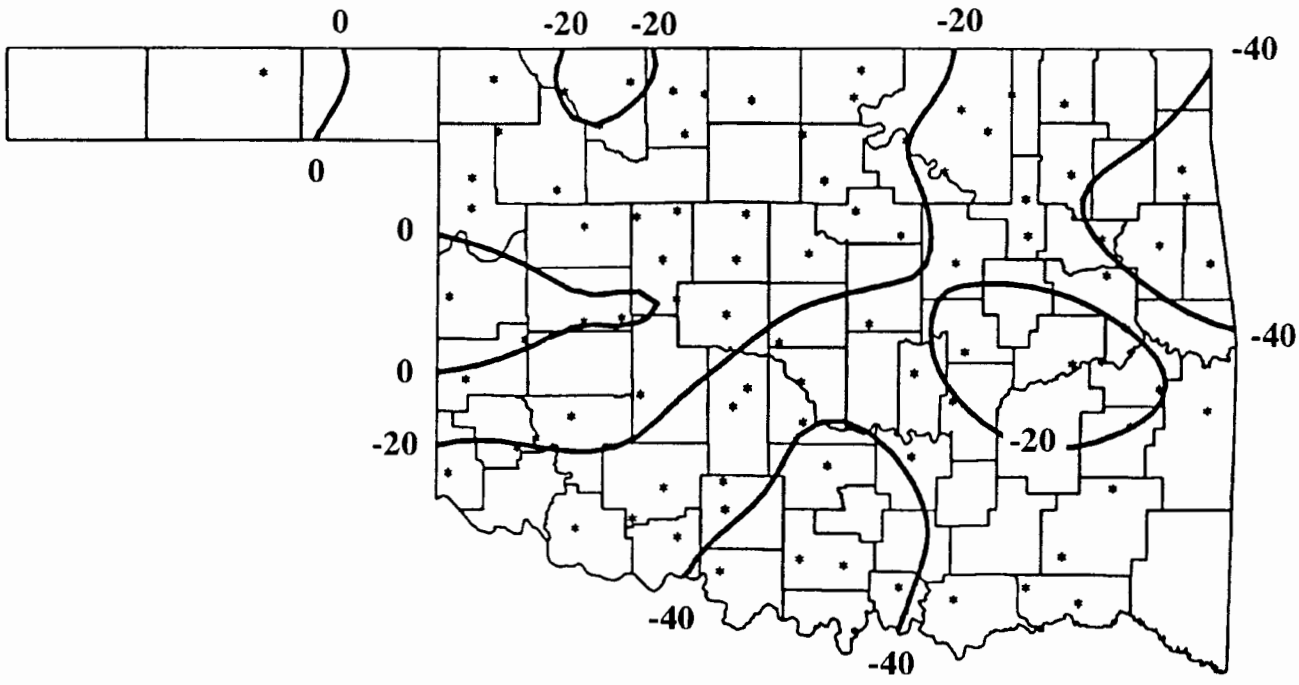
MAY 1994 AVERAGE MONTHLY TEMPERATURES
(Degrees F)



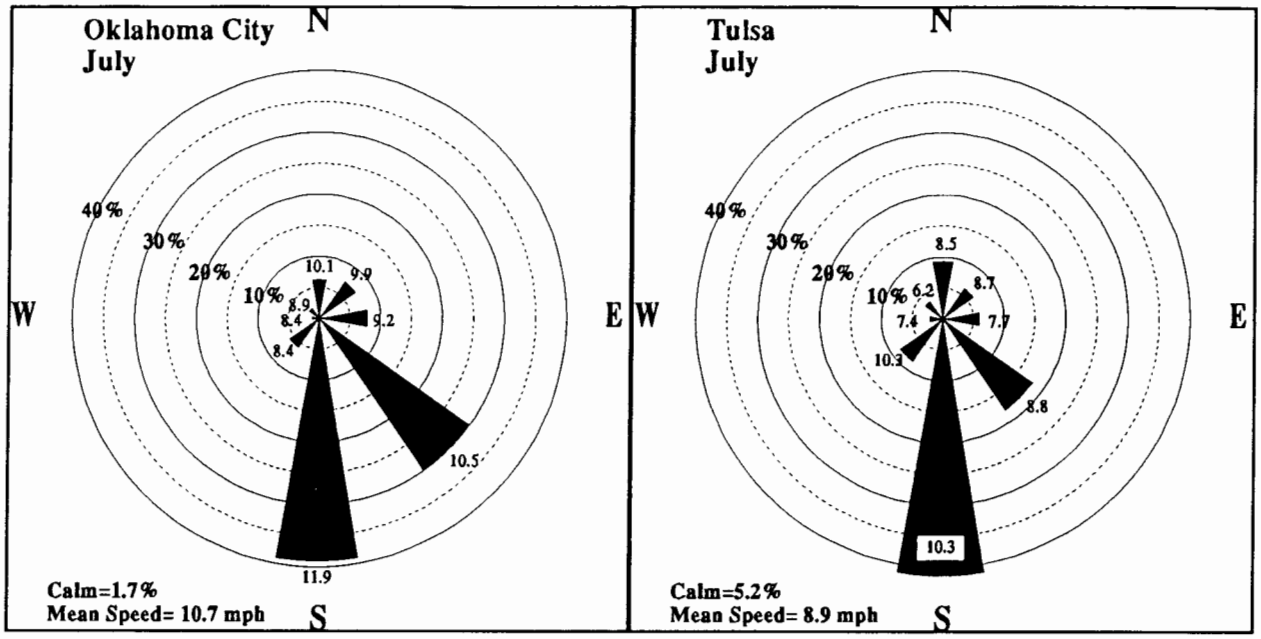
MAY 1994 DEVIATION FROM NORMAL TEMPERATURES
(Degrees F)



MAY 1994 COOLING DEGREE DAYS



MAY 1994 DEVIATION FROM NORMAL COOLING DEGREE DAYS



July 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.

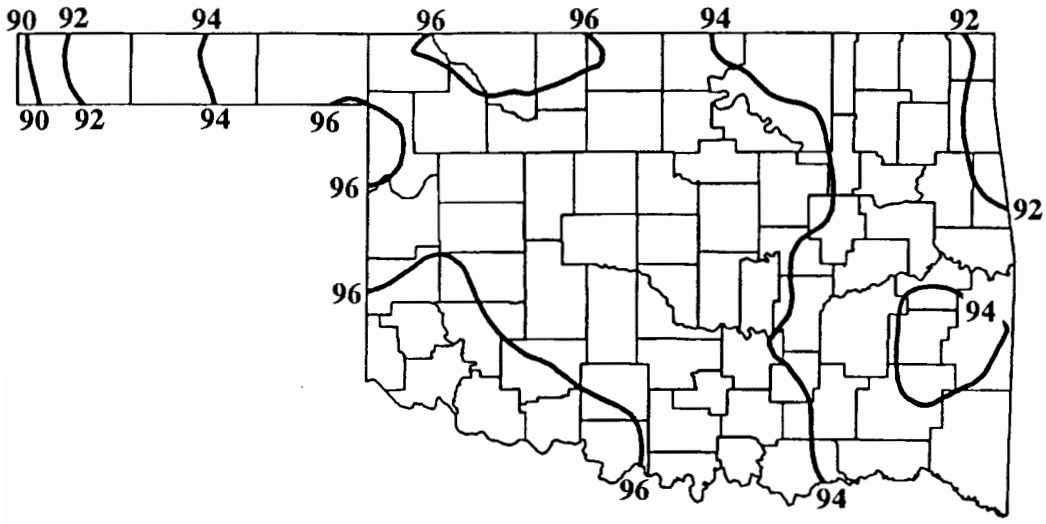
JULY 1994 SUNRISE AND SUNSET

OKLAHOMA CITY

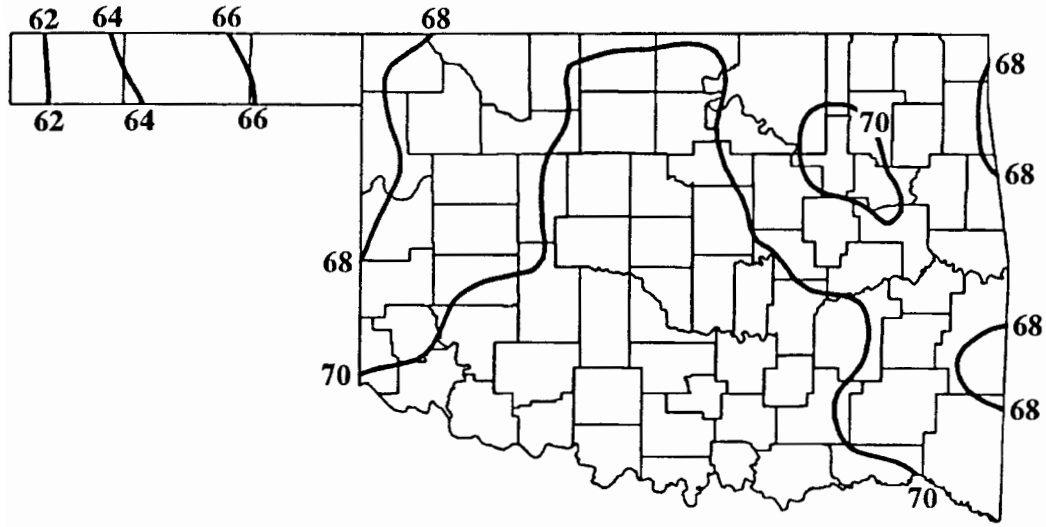
DATE	SUNRISE	SUNSET	DAYLIGHT
94 7 1	6:21AM	8:47PM CDT	14 hrs 27 mins
94 7 2	6:21AM	8:47PM CDT	14 hrs 26 mins
94 7 3	6:22AM	8:47PM CDT	14 hrs 26 mins
94 7 4	6:22AM	8:47PM CDT	14 hrs 25 mins
94 7 5	6:22AM	8:47PM CDT	14 hrs 25 mins
94 7 6	6:23AM	8:47PM CDT	14 hrs 24 mins
94 7 7	6:23AM	8:47PM CDT	14 hrs 23 mins
94 7 8	6:24AM	8:47PM CDT	14 hrs 23 mins
94 7 9	6:24AM	8:46PM CDT	14 hrs 22 mins
94 710	6:25AM	8:46PM CDT	14 hrs 21 mins
94 711	6:25AM	8:46PM CDT	14 hrs 20 mins
94 712	6:26AM	8:46PM CDT	14 hrs 20 mins
94 713	6:27AM	8:45PM CDT	14 hrs 19 mins
94 714	6:27AM	8:45PM CDT	14 hrs 18 mins
94 715	6:28AM	8:45PM CDT	14 hrs 17 mins
94 716	6:28AM	8:44PM CDT	14 hrs 16 mins
94 717	6:29AM	8:44PM CDT	14 hrs 15 mins
94 718	6:30AM	8:43PM CDT	14 hrs 14 mins
94 719	6:30AM	8:43PM CDT	14 hrs 13 mins
94 720	6:31AM	8:42PM CDT	14 hrs 12 mins
94 721	6:32AM	8:42PM CDT	14 hrs 10 mins
94 722	6:32AM	8:41PM CDT	14 hrs 9 mins
94 723	6:33AM	8:41PM CDT	14 hrs 8 mins
94 724	6:34AM	8:40PM CDT	14 hrs 7 mins
94 725	6:34AM	8:40PM CDT	14 hrs 5 mins
94 726	6:35AM	8:39PM CDT	14 hrs 4 mins
94 727	6:36AM	8:38PM CDT	14 hrs 3 mins
94 728	6:36AM	8:38PM CDT	14 hrs 1 mins
94 729	6:37AM	8:37PM CDT	14 hrs 0 mins
94 730	6:38AM	8:36PM CDT	13 hrs 58 mins
94 731	6:38AM	8:35PM CDT	13 hrs 57 mins

TULSA

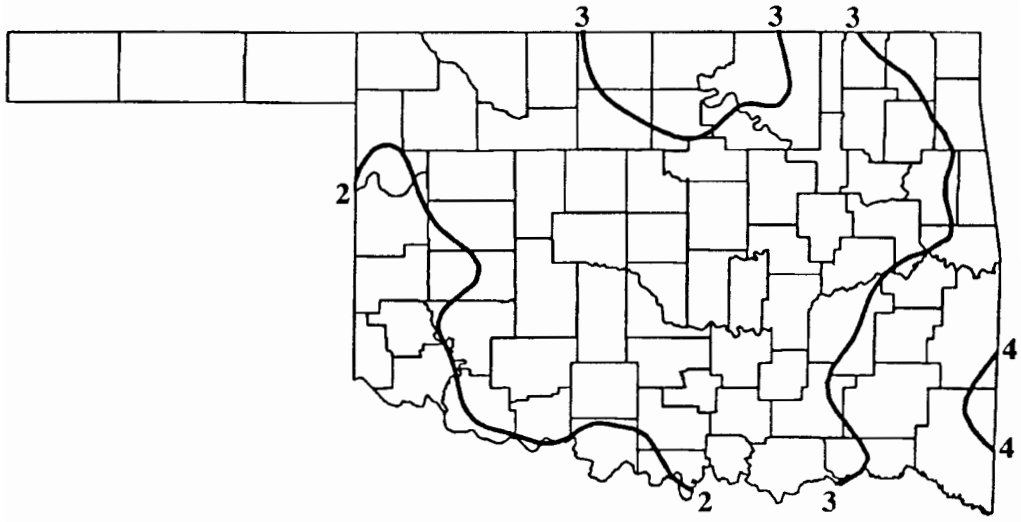
DATE	SUNRISE	SUNSET	DAYLIGHT
94 7 1	6:12AM	8:43PM CDT	14 hrs 31 mins
94 7 2	6:12AM	8:43PM CDT	14 hrs 30 mins
94 7 3	6:13AM	8:43PM CDT	14 hrs 30 mins
94 7 4	6:13AM	8:42PM CDT	14 hrs 29 mins
94 7 5	6:14AM	8:42PM CDT	14 hrs 29 mins
94 7 6	6:14AM	8:42PM CDT	14 hrs 28 mins
94 7 7	6:14AM	8:42PM CDT	14 hrs 28 mins
94 7 8	6:15AM	8:42PM CDT	14 hrs 27 mins
94 7 9	6:16AM	8:42PM CDT	14 hrs 26 mins
94 710	6:16AM	8:41PM CDT	14 hrs 25 mins
94 711	6:17AM	8:41PM CDT	14 hrs 25 mins
94 712	6:17AM	8:41PM CDT	14 hrs 24 mins
94 713	6:18AM	8:41PM CDT	14 hrs 23 mins
94 714	6:18AM	8:40PM CDT	14 hrs 22 mins
94 715	6:19AM	8:40PM CDT	14 hrs 21 mins
94 716	6:20AM	8:39PM CDT	14 hrs 20 mins
94 717	6:20AM	8:39PM CDT	14 hrs 19 mins
94 718	6:21AM	8:39PM CDT	14 hrs 18 mins
94 719	6:22AM	8:38PM CDT	14 hrs 17 mins
94 720	6:22AM	8:38PM CDT	14 hrs 15 mins
94 721	6:23AM	8:37PM CDT	14 hrs 14 mins
94 722	6:24AM	8:36PM CDT	14 hrs 13 mins
94 723	6:24AM	8:36PM CDT	14 hrs 12 mins
94 724	6:25AM	8:35PM CDT	14 hrs 10 mins
94 725	6:26AM	8:35PM CDT	14 hrs 9 mins
94 726	6:26AM	8:34PM CDT	14 hrs 8 mins
94 727	6:27AM	8:33PM CDT	14 hrs 6 mins
94 728	6:28AM	8:32PM CDT	14 hrs 5 mins
94 729	6:28AM	8:32PM CDT	14 hrs 3 mins
94 730	6:29AM	8:31PM CDT	14 hrs 2 mins
94 731	6:30AM	8:30PM CDT	14 hrs 0 mins



July Normal Daily Maximum Temperatures (°F)



July Normal Daily Minimum Temperatures (°F)



July Normal Monthly Precipitation (inches)

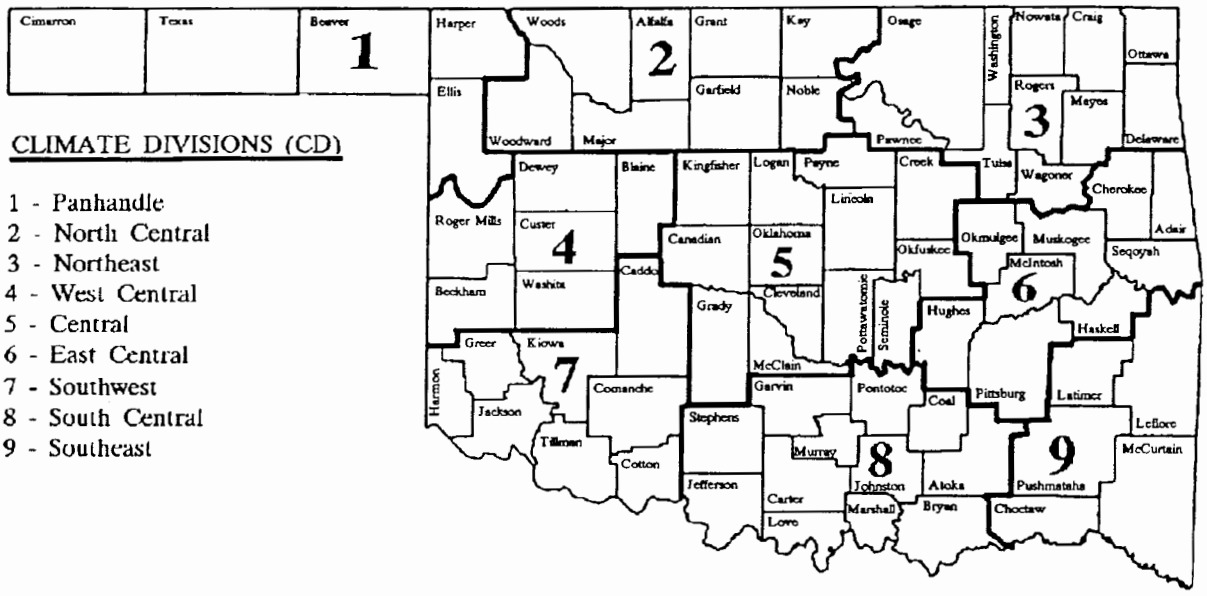
90-DAY NATIONAL WEATHER SERVICE OUTLOOK

(JUNE 1994 - AUGUST 1994)

Precipitation - Above Normal Statewide

Temperature - Near 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

July 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
90.3 max		92.0 max		92.6 max		91.3 max		91.4 max		92.0 max		92.5 max	
69.5 min		70.3 min		71.2 min		70.0 min		69.5 min		69.9 min		70.3 min	
.19 ppt		.08 ppt		.06 ppt		.07 ppt		.10 ppt		.07 ppt		.06 ppt	
0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd	
15 cdd		16 cdd		17 cdd		16 cdd		15 cdd		16 cdd		16 cdd	
Highest Max	103-1917	Highest Max	105-1980	Highest Max	105-1980	Highest Max	104-1931	Highest Max	103-1911	Highest Max	105-1953	Highest Max	105-1970
Lowest Max	67-1951	Lowest Max	72-1924	Lowest Max	75-1908	Lowest Max	73-1915	Lowest Max	77-1958	Lowest Max	73-1958	Lowest Max	76-1960
Lowest Min	57-1951	Lowest Min	58-1924	Lowest Min	57-1906	Lowest Min	57-1924	Lowest Min	55-1915	Lowest Min	55-1972	Lowest Min	57-1952
Highest Min	86-1937	Highest Min	78-1980	Highest Min	79-1953	Highest Min	80-1980	Highest Min	80-1933	Highest Min	80-1953	Highest Min	78-1909
Greatest ppt	5.06-1913	Greatest ppt	1.70-1922	Greatest ppt	2.97-1947	Greatest ppt	1.37-1900	Greatest ppt	3.21-1979	Greatest ppt	1.84-1929	Greatest ppt	2.03-1895
Normal 8	**Actual**	**Normal 9**	**Actual**	**Normal 10**	**Actual**	**Normal 11**	**Actual**	**Normal 12**	**Actual**	**Normal 13**	**Actual**	**Normal 14**	**Actual**
92.8 max		93.1 max		93.4 max		93.1 max		92.9 max		92.6 max		92.8 max	
70.5 min		70.5 min		70.4 min		70.8 min		70.7 min		69.9 min		69.8 min	
.03 ppt		.04 ppt		.05 ppt		.04 ppt		.08 ppt		.12 ppt		.06 ppt	
0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd	
17 cdd		17 cdd		17 cdd		17 cdd		17 cdd		16 cdd		16 cdd	
Highest Max	105-1964	Highest Max	106-1964	Highest Max	104-1933	Highest Max	107-1933	Highest Max	107-1954	Highest Max	106-1954	Highest Max	107-1954
Lowest Max	70-1905	Lowest Max	71-1905	Lowest Max	66-1895	Lowest Max	67-1895	Lowest Max	62-1953	Lowest Max	73-1953	Lowest Max	80-1926
Lowest Min	57-1958	Lowest Min	56-1891	Lowest Min	56-1905	Lowest Min	58-1905	Lowest Min	56-1953	Lowest Min	56-1975	Lowest Min	57-1950
Highest Min	78-1970	Highest Min	80-1933	Highest Min	80-1933	Highest Min	81-1933	Highest Min	82-1933	Highest Min	81-1934	Highest Min	80-1934
Greatest ppt	1.32-1959	Greatest ppt	2.14-1898	Greatest ppt	1.90-1945	Greatest ppt	2.55-1906	Greatest ppt	1.80-1926	Greatest ppt	2.10-1963	Greatest ppt	1.29-1992
Normal 15	**Actual**	**Normal 16**	**Actual**	**Normal 17**	**Actual**	**Normal 18**	**Actual**	**Normal 19**	**Actual**	**Normal 20**	**Actual**	**Normal 21**	**Actual**
92.5 max		92.8 max		93.2 max		93.6 max		93.4 max		93.3 max		93.1 max	
70.6 min		70.8 min		70.9 min		71.8 min		71.4 min		70.9 min		70.7 min	
.08 ppt		.04 ppt		.15 ppt		.06 ppt		.06 ppt		.05 ppt		.14 ppt	
0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd	
17 cdd		17 cdd		17 cdd		18 cdd		17 cdd		17 cdd		17 cdd	
Highest Max	108-1936	Highest Max	106-1980	Highest Max	105-1980	Highest Max	108-1936	Highest Max	109-1936	Highest Max	107-1936	Highest Max	107-1939
Lowest Max	71-1891	Lowest Max	74-1957	Lowest Max	80-1950	Lowest Max	72-1967	Lowest Max	74-1953	Lowest Max	77-1944	Lowest Max	78-1970
Lowest Min	59-1967	Lowest Min	61-1891	Lowest Min	63-1992	Lowest Min	62-1911	Lowest Min	63-1898	Lowest Min	60-1970	Lowest Min	54-1970
Highest Min	82-1936	Highest Min	79-1939	Highest Min	79-1943	Highest Min	81-1936	Highest Min	82-1936	Highest Min	79-1934	Highest Min	80-1981
Greatest ppt	2.30-1921	Greatest ppt	3.54-1900	Greatest ppt	1.71-1959	Greatest ppt	1.53-1893	Greatest ppt	2.77-1916	Greatest ppt	1.48-1897	Greatest ppt	1.47-1950
Normal 22	**Actual**	**Normal 23**	**Actual**	**Normal 24**	**Actual**	**Normal 25**	**Actual**	**Normal 26**	**Actual**	**Normal 27**	**Actual**	**Normal 28**	**Actual**
92.8 max		92.4 max		93.5 max		94.1 max		93.7 max		93.7 max		92.7 max	
71.0 min		70.1 min		71.0 min		71.8 min		72.0 min		71.3 min		70.8 min	
.10 ppt		.17 ppt		.08 ppt		.07 ppt		.08 ppt		.25 ppt		.20 ppt	
0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd	
17 cdd		16 cdd		17 cdd		18 cdd		18 cdd		18 cdd		17 cdd	
Highest Max	107-1974	Highest Max	104-1981	Highest Max	106-1943	Highest Max	106-1977	Highest Max	105-1978	Highest Max	105-1986	Highest Max	108-1986
Lowest Max	73-1947	Lowest Max	77-1989	Lowest Max	73-1947	Lowest Max	76-1906	Lowest Max	75-1959	Lowest Max	75-1959	Lowest Max	75-1981
Lowest Min	57-1970	Lowest Min	55-1970	Lowest Min	61-1970	Lowest Min	58-1911	Lowest Min	63-1911	Lowest Min	64-1900	Lowest Min	64-1900
Highest Min	79-1981	Highest Min	79-1981	Highest Min	79-1993	Highest Min	83-1934	Highest Min	79-1981	Highest Min	78-1939	Highest Min	80-1986
Greatest ppt	2.49-1899	Greatest ppt	3.02-1960	Greatest ppt	2.92-1975	Greatest ppt	1.96-1906	Greatest ppt	0.88-1978	Greatest ppt	5.60-1981	Greatest ppt	1.80-1963
Normal 29	**Actual**	**Normal 30**	**Actual**	**Normal 31**	**Actual**								
93.4 max		93.5 max		92.7 max									
71.0 min		71.2 min		70.8 min									
.16 ppt		.04 ppt		.06 ppt									
0 hdd		0 hdd		0 hdd									
17 cdd		17 cdd		17 cdd									
Highest Max	109-1986	Highest Max	108-1985	Highest Max	107-1980								
Lowest Max	76-1892	Lowest Max	73-1925	Lowest Max	75-1925								
Lowest Min	61-1971	Lowest Min	57-1971	Lowest Min	53-1971								
Highest Min	79-1966	Highest Min	80-1986	Highest Min	73-1943								
Greatest ppt	2.02-1975	Greatest ppt	0.71-1933	Greatest ppt	1.07-1978								

JULY AVERAGES

TEMPERATURE	:	81.8°F
PRECIPITATION	:	2.84"
HEATING DEGREE DAYS	:	0
COOLING DEGREE DAYS	:	520

TULSA CLIMATE CALENDAR

July 1994

The data on this calendar are for Tulsa. Normal values are calculated for the period 1948-1992. Temperature extremes are for the period 1905-1993; precipitation extremes are for the period 1948-1993.

Normal 1	Actual	Normal 2	Actual	Normal 3	Actual	Normal 4	Actual	Normal 5	Actual	Normal 6	Actual	Normal 7	Actual
91.0 max		93.0 max		93.0 max		92.0 max		92.0 max		93.0 max		93.0 max	
71.0 min		72.0 min		72.0 min		72.0 min		70.0 min		71.0 min		72.0 min	
.10 ppt		.07 ppt		.14 ppt		.10 ppt		.10 ppt		.10 ppt		.07 ppt	
0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd	
16 cdd		17 cdd		18 cdd		17 cdd		16 cdd		17 cdd		18 cdd	
Highest Max	106-1917	Highest Max	105-1933	Highest Max	107-1911	Highest Max	108-1911	Highest Max	108-1911	Highest Max	105-1917	Highest Max	103-1917
Lowest Max	73-1951	Lowest Max	78-1951	Lowest Max	81-1972	Lowest Max	76-1972	Lowest Max	77-1972	Lowest Max	78-1960	Lowest Max	79-1958
Lowest Min	57-1924	Lowest Min	54-1924	Lowest Min	54-1924	Lowest Min	56-1924	Lowest Min	53-1915	Lowest Min	55-1972	Lowest Min	58-1967
Highest Min	82-1980	Highest Min	83-1980	Highest Min	80-1983	Highest Min	85-1980	Highest Min	82-1990	Highest Min	82-1980	Highest Min	84-1980
Greatest ppt	.90-1959	Greatest ppt	1.41-1972	Greatest ppt	1.89-1960	Greatest ppt	1.30-1960	Greatest ppt	1.55-1950	Greatest ppt	1.52-1965	Greatest ppt	.97-1953

Normal 8	Actual	Normal 9	Actual	Normal 10	Actual	Normal 11	Actual	Normal 12	Actual	Normal 13	Actual	Normal 14	Actual
93.0 max		94.0 max		94.0 max		94.0 max		94.0 max		93.0 max		94.0 max	
72.0 min		72.0 min		72.0 min		73.0 min		73.0 min		72.0 min		72.0 min	
.04 ppt		.05 ppt		.12 ppt		.10 ppt		.13 ppt		.12 ppt		.15 ppt	
0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd	
18 cdd		18 cdd		18 cdd		18 cdd		18 cdd		18 cdd		18 cdd	
Highest Max	106-1917	Highest Max	107-1925	Highest Max	105-1933	Highest Max	107-1954	Highest Max	109-1954	Highest Max	111-1954	Highest Max	112-1954
Lowest Max	81-1958	Lowest Max	73-1950	Lowest Max	75-1950	Lowest Max	72-1963	Lowest Max	66-1953	Lowest Max	76-1953	Lowest Max	77-1961
Lowest Min	61-1958	Lowest Min	59-1952	Lowest Min	59-1961	Lowest Min	59-1905	Lowest Min	59-1975	Lowest Min	54-1975	Lowest Min	54-1957
Highest Min	81-1980	Highest Min	82-1980	Highest Min	84-1980	Highest Min	82-1969	Highest Min	84-1980	Highest Min	85-1980	Highest Min	85-1954
Greatest ppt	.60-1953	Greatest ppt	.85-1949	Greatest ppt	1.17-1962	Greatest ppt	2.30-1963	Greatest ppt	1.35-1953	Greatest ppt	1.57-1961	Greatest ppt	1.35-1951

Normal 15	Actual	Normal 16	Actual	Normal 17	Actual	Normal 18	Actual	Normal 19	Actual	Normal 20	Actual	Normal 21	Actual
92.0 max		93.0 max		94.0 max		95.0 max		95.0 max		94.0 max		94.0 max	
73.0 min		73.0 min		73.0 min		74.0 min		74.0 min		72.0 min		73.0 min	
.22 ppt		.12 ppt		.09 ppt		.04 ppt		.02 ppt		.06 ppt		.09 ppt	
0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd	
18 cdd		18 cdd		18 cdd		20 cdd		20 cdd		19 cdd		19 cdd	
Highest Max	111-1936	Highest Max	109-1980	Highest Max	110-1936	Highest Max	113-1936	Highest Max	113-1936	Highest Max	109-1936	Highest Max	109-1939
Lowest Max	78-1959	Lowest Max	72-1967	Lowest Max	82-1950	Lowest Max	74-1967	Lowest Max	83-1950	Lowest Max	78-1970	Lowest Max	77-1950
Lowest Min	54-1967	Lowest Min	57-1967	Lowest Min	59-1967	Lowest Min	64-1984	Lowest Min	61-1947	Lowest Min	56-1971	Lowest Min	55-1970
Highest Min	85-1980	Highest Min	87-1980	Highest Min	82-1980	Highest Min	84-1954	Highest Min	83-1980	Highest Min	82-1981	Highest Min	83-1954
Greatest ppt	3.91-1961	Greatest ppt	2.55-1967	Greatest ppt	1.85-1989	Greatest ppt	.77-1987	Greatest ppt	1.37-1988	Greatest ppt	1.06-1966	Greatest ppt	1.77-1959

Normal 22	Actual	Normal 23	Actual	Normal 24	Actual	Normal 25	Actual	Normal 26	Actual	Normal 27	Actual	Normal 28	Actual
94.0 max		94.0 max		94.0 max		94.0 max		94.0 max		94.0 max		93.0 max	
73.0 min		73.0 min		73.0 min		74.0 min		74.0 min		73.0 min		73.0 min	
.17 ppt		.10 ppt		.11 ppt		.14 ppt		.10 ppt		.29 ppt		.16 ppt	
0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd	
19 cdd		19 cdd		19 cdd		19 cdd		19 cdd		19 cdd		18 cdd	
Highest Max	109-1974	Highest Max	107-1936	Highest Max	110-1934	Highest Max	108-1934	Highest Max	106-1978	Highest Max	106-1936	Highest Max	109-1936
Lowest Max	77-1959	Lowest Max	79-1950	Lowest Max	75-1952	Lowest Max	80-1950	Lowest Max	75-1959	Lowest Max	76-1977	Lowest Max	80-1958
Lowest Min	57-1970	Lowest Min	58-1970	Lowest Min	60-1927	Lowest Min	54-1911	Lowest Min	60-1905	Lowest Min	59-1971	Lowest Min	61-1920
Highest Min	85-1954	Highest Min	83-1954	Highest Min	80-1993	Highest Min	81-1986	Highest Min	81-1981	Highest Min	81-1986	Highest Min	83-1986
Greatest ppt	3.12-1960	Greatest ppt	1.85-1973	Greatest ppt	1.95-1973	Greatest ppt	2.20-1967	Greatest ppt	1.33-1959	Greatest ppt	7.54-1963	Greatest ppt	2.72-1976

Normal 29	Actual	Normal 30	Actual	Normal 31	Actual
94.0 max		94.0 max		94.0 max	
73.0 min		72.0 min		72.0 min	
.08 ppt		.15 ppt		.09 ppt	
0 hdd		0 hdd		0 hdd	
19 cdd		18 cdd		18 cdd	
Highest Max	110-1986	Highest Max	110-1986	Highest Max	108-1980
Lowest Max	79-1981	Lowest Max	79-1971	Lowest Max	81-1979
Lowest Min	60-1969	Lowest Min	55-1971	Lowest Min	51-1971
Highest Min	81-1986	Highest Min	85-1980	Highest Min	81-1958
Greatest ppt	1.24-1950	Greatest ppt	3.78-1981	Greatest ppt	1.04-1979

JULY AVERAGES

TEMPERATURE	:	83.0°F
PRECIPITATION	:	3.42"
HEATING DEGREE DAYS	:	0
COOLING DEGREE DAYS	:	564