OKLAHOMA
MONTHLY SUMMARY
JUNE 1994

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MONTHLY SUMMARY FOR JUNE 1994

Blistering heat and a shortage of rainfall dominated Oklahoma's weather during June. Monthly temperatures were higher than normal in all regions of the state with several stations attaining record high temperatures during a late-month heat wave. The statewide average temperature for the month, 80.7 degrees, was 3.7 degrees above normal; the ninth highest June average since record keeping began in 1892. Precipitation averaged two inches, statewide, 1.95 inches below normal, making this the 13th driest June on record. Precipitation deficits were reported in all regions of the state, although a few reporting stations noted greater than average monthly precipitation total as a result of isolated heavy rainfall events. At mid-year the annual precipitation had reached 16.29 inches, 1.42 inches less than normal.

Locally heavy thunderstorms struck much of the state during the first week of the month. Large hail was reported in the northwest on the 2nd and 3rd. Mangum (Greer County) received 3.78 inches of rain on the evening of the 3rd. Kansas (Delaware) received 2.10 inches. Allen (Pontotoc) and Clayton (Pushmataha) each reported daily precipitation of 2 inches. Large hail and high winds broke tree limbs in Tulsa and large hail was reported in Pushmataha County on the 4th. Thunderstorms that moved across northern Oklahoma on the 5th produced large hail in northwest and north central Oklahoma and wind gusts exceeded 60 miles per hour in many parts of north central and northeastern Oklahoma.

Several trucks were blown off of the interstate highway near Foss (Washita) on the 6th, possibly by a small tornado. The National Weather Service issued tornado warnings for Washita and Custer counties, based on radar indications. Later that same night, large hail and strong winds damaged property in Adair and Ottawa counties.

Afternoon temperatures in western Oklahoma soared past the century mark from the 5th through the 7th, including 107 degrees at Altus on the 8th, before a cold front brought cooler air into the state on the 9th. Early morning thunderstorms on the 9th produced large hail and high winds across much of eastern Oklahoma, including a 100-mile-per-hour wind gust at Camp Gruber (Muskogee). Maramec (Pawnee) reported 3.50 inches of rain on the 9th, Bokchito (Bryan) reported 3.03 inches and Sallisaw (Sequoyah) reported 2.96 inches on the 10th. Gage (Ellis) and Carnegie (Caddo) reported 3.22 and 3.20 inches, respectively, on the 11th. High winds and large hail were reported at many locations in western and southern Oklahoma from the 9th through the 11th.

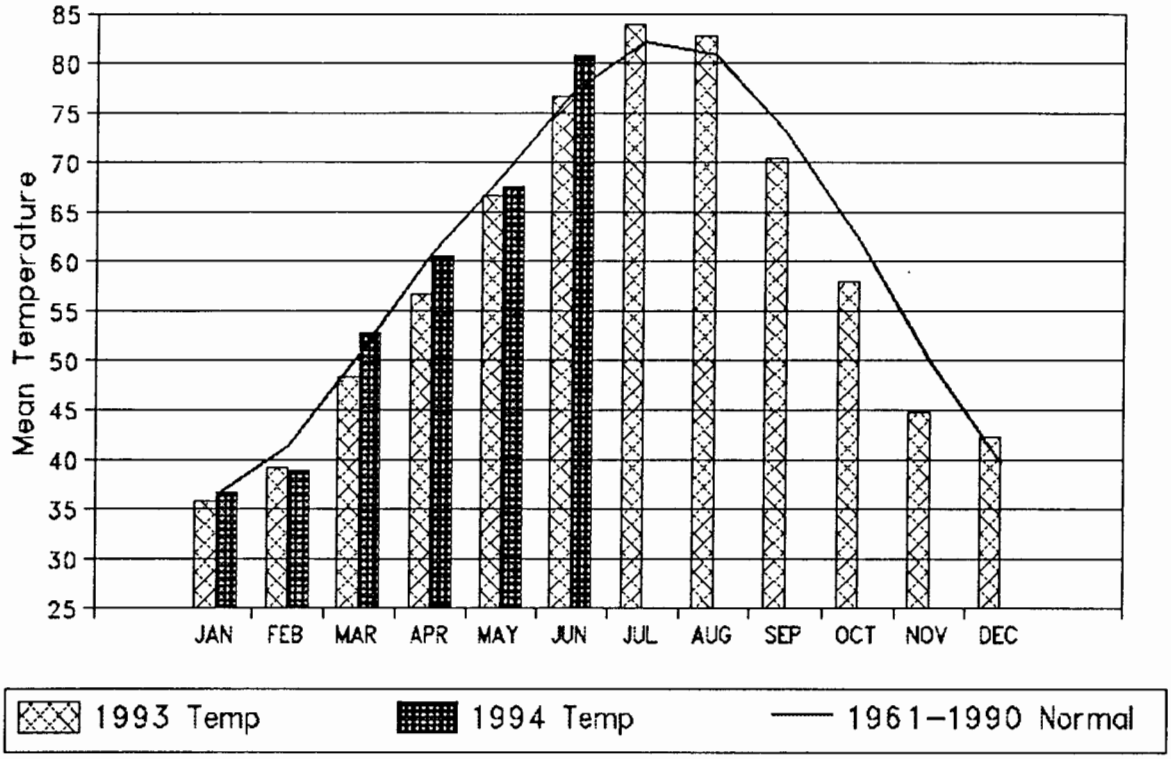
Extreme heat settled in over western Oklahoma about mid-month. Occasional afternoon and evening thunderstorms offered some relief in central Oklahoma while many parts of the east escaped the oppressive heat altogether. Two golfers were killed when they were struck by lightning during a sudden thunderstorm in Oklahoma City on the 19th. Wind and hail damage was reported at Duncan (Stephens) on the 24th and high winds damaged property at Blair (Jackson) and Vinita (Craig) on the 25th.

The heat in the west reached its peak on the afternoon of the 27th. Two cooperative stations (Chattanooga in Comanche County and Hollis in Greer County) reached 116 degrees. The Chattanooga temperature was an all-time high for that station. Altus Dam (114°) also set a new record for the station. Buffalo (115°), Lawton (114°), and the Wichita Mountains Wildlife Refuge (111°) each tied all time high temperature records. Frederick established a new June temperature record (115°) and Altus equalled its record high for the month (115°). The Oklahoma Mesonet station at Tipton reported a temperature of 120 degrees at 5:20 P.M., tieing the all time state high temperature record first established in July 1936 and last tied in 1943.

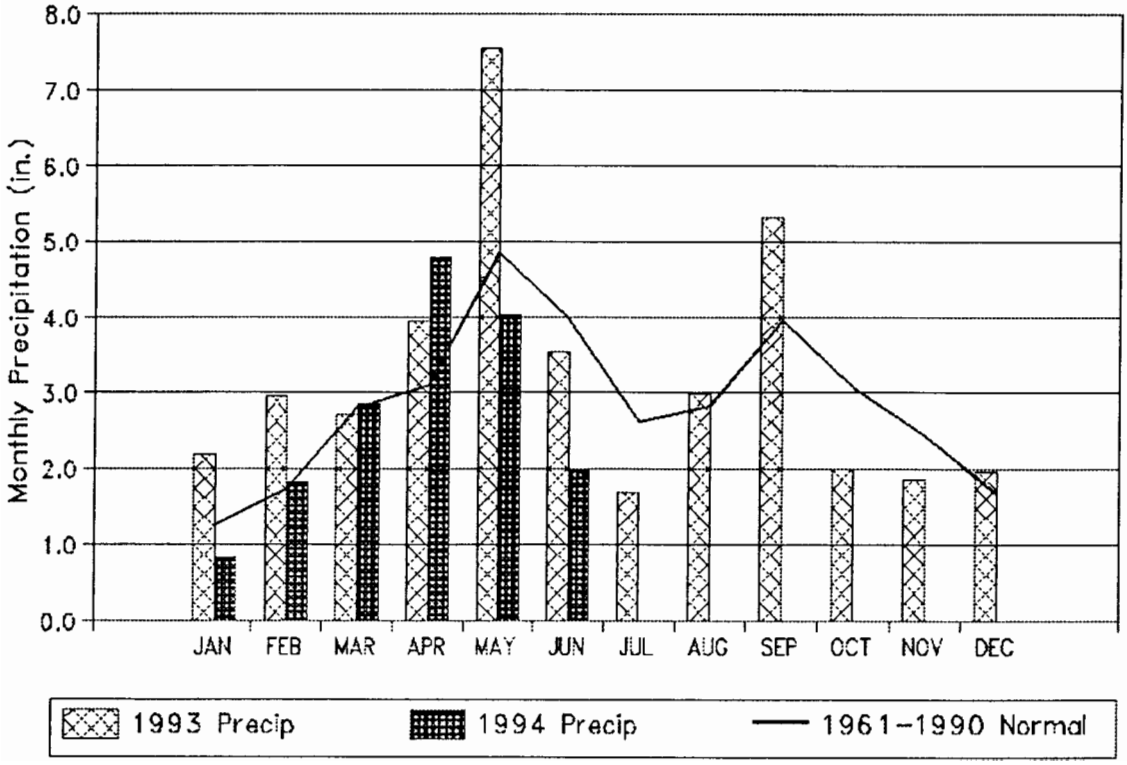
A round of thunderstorms on the 29th and 30th brought some relief from the heat in the west but also brought large hail in many areas and gusts in excess of 80 miles per hour in Texas and Comanche counties.

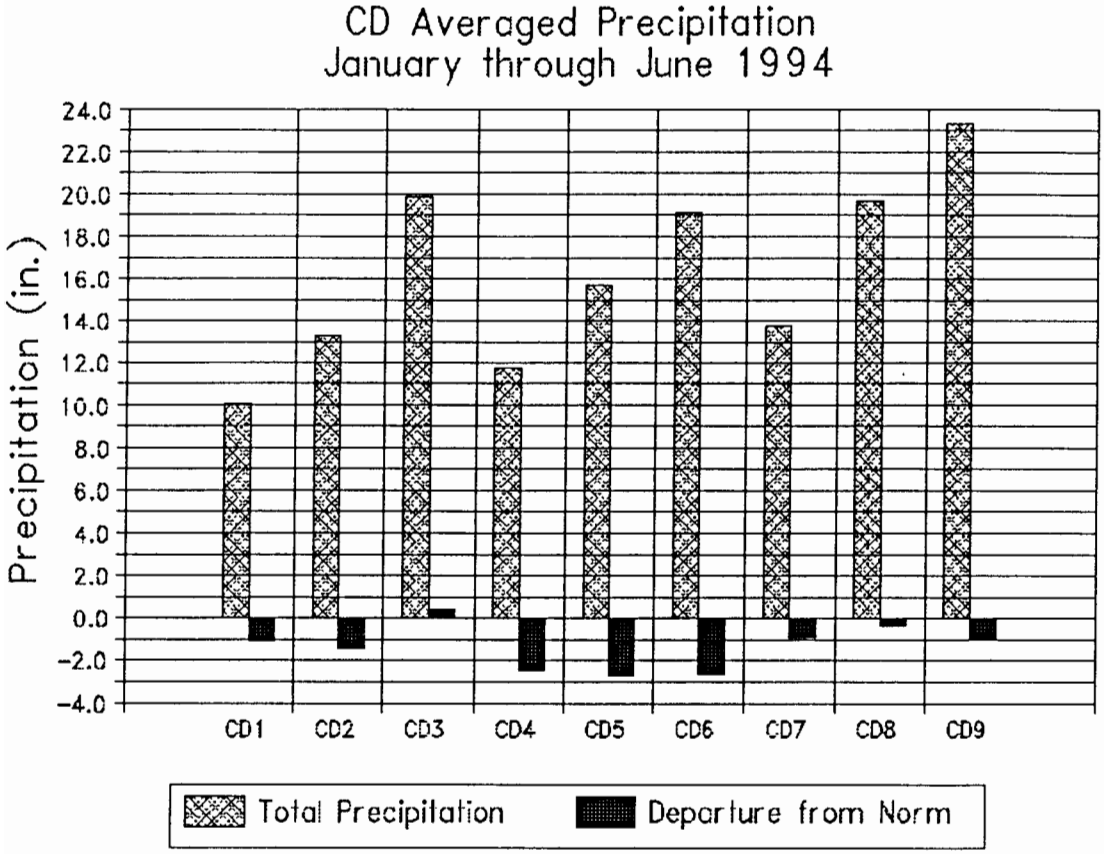
Howard L. Johnson

1993 and 1994 STATEWIDE TEMPERATURES
Monthly Averages

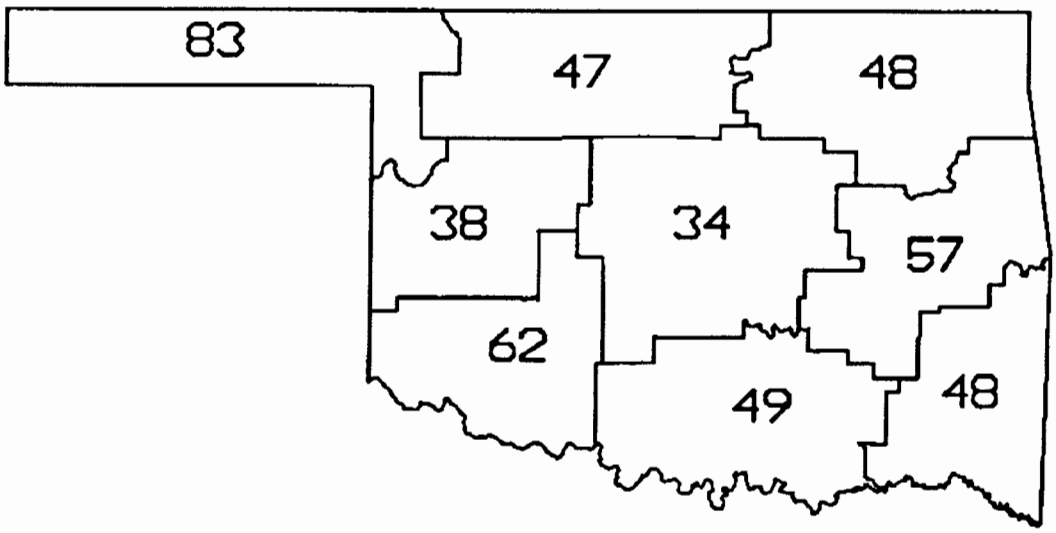


1993 and 1994 STATEWIDE PRECIPITATION
Monthly Totals





CD PERCENT OF NORMAL PRECIPITATION



JUNE 1994

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

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	112	26	GATE	52	16	KENTON	3.22	11	GAGE	5.84	GAGE
2	109	25	CHEROKEE	57	24	FREEDOM	1.42	10	ALVA	3.53	ALVA
	109	26	MUTUAL	57	25	FREEDOM					
3	103	29	JAY TOWER	56	24	RALSTON	3.50	9	MARAMEC	4.00	MANNFORD
4	111	27	ERICK	59	24	HAMMON	1.56	30	HAMMON	3.44	CLINTON
				59	25	HAMMON					
				59	25	TALOGA					
5	108	25	HENNESSEY	60	3	PURCELL	2.17	9	INGALLS	4.87	PURCELL
	108	27	HENNESSEY								
6	102	7	EUFAULA	60	24	OKMULGEE	2.96	10	SALLISAW	4.59	SHORT
				60	24	STILWELL					
7	116	27	CHATTANOOGA	59	1	WICHITA MT WLR	3.78	4	MANGUM	4.82	MANGUM
	116	28	CHATTANOOGA								
	116	27	HOLLIS								
8	110	28	WAURIKA DAM	56	6	LINDSAY	3.03	10	BOKCHITO	5.32	BOKCHITO
9	101	29	POTEAU	59	1	BATTIEST	2.85	10	CARNASAW TWR	5.55	VALLIANT
	101	29	WILBURTON	59	1	SMITHVILLE					
				59	25	SMITHVILLE					

TABLE OF 1993/1994 COMPARISONS

	JUNE Temperature (°F)		JUNE Precipitation (in.)	
Station	1993	1994	1993	1994
Arnett	72.7	78.0	3.88	3.73
Enid	77.4	81.3	5.58	2.08
Mutual	74.3	80.1	5.30	0.87
Tulsa	76.9	80.7	3.64	2.72
Elk City	76.7	81.2	3.81	1.23
Oklahoma City	76.8	79.6	2.60	1.71
McAlester	79.8	80.7	5.94	1.91
Altus Irr Sta	79.5	84.1	2.19	1.18
Duncan	77.4	80.3	2.44	3.12
Ada	78.3	80.0	6.63	1.00
Hugo	78.6	80.5	2.24	1.09

EXTREMES

Variable	Station	Division	Observation	Date
Minimum temperature (°F)	Kenton	1	52	16
Maximum temperature (°F)	Chattanooga	7	116	28
	Hollis	7	116	27
Maximum 24-hour precipitation	Mangum	7	3.78"	4

JUNE 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	78.0	30	3.3	104.	26	58.	11	.0	.0	390.5	95.5	3.731	30	.03	.90	10
BEAVER	593	1	80.5	30	5.6	110.	26	58.	11	.0	-8.0	464.0	159.0	2.651	30	-.84	1.84	11
BOISE CITY 2 E	908	1	77.8	30	4.7	104.	25	54.	9	.0	-8.0	383.5	132.5	1.632	30	-1.16	.38	28
BUFFALO	1243	1	83.5	30	6.0	111.	26	61.	24	.0	.0	554.0	179.0	.950	30	-3.04	.60	10
FARGO	3070	1	*****	0	*****	****	0	****	0	******	******	******	******	1.791	30	-1.52	.68	4
GAGE FAA APT	3407	1	79.7	30	3.3	106.	25	58.	24	.0	.0	439.5	100.5	5.843	30	2.93	3.22	11
GATE	3489	1	81.8	30	5.5	112.	26	61.	4	.0	-5.0	503.5	159.5	1.321	30	-1.59	.79	30
GOODWELL RES ST	3628	1	79.5	30	6.4	109.	26	58.	16	.0	-8.0	434.5	183.5	1.820	30	-.86	1.43	10
GUYMON	3835	1	80.2	27	*****	109.	25	58.	10	.0	******	410.0	******	2.202	27	*****	.84	30
HOOKER	4298	1	79.1	30	4.3	105.	26	58.	10	.0	-6.0	424.0	124.0	3.750	30	.81	2.77	10
KENTON	4766	1	77.1	30	5.2	105.	26	52.	16	.0	-12.0	361.5	142.5	1.670	30	-.49	.58	9
LAVERNE	5045	1	*****	0	*****	****	0	****	0	******	******	******	******	1.160	30	-1.91	.31	30
OPTIMA LAKE	6740	1	79.8	30	*****	108.	26	55.	10	.0	******	444.0	******	2.512	30	*****	1.98	10
REGNIER	7534	1	*****	0	*****	****	0	****	0	******	******	******	******	1.911	30	-.33	1.07	9
TURPIN 4 SSE	9017	1	80.2	30	*****	109.	26	56.	3	.0	******	456.5	******	3.051	30	*****	1.73	3

JUNE 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	82.3	30	*****	108.	25	63.	3	.0	******	519.5	******	3.530	30	*****	1.42	10
VANCE AFB	302	2	*****	0	*****	****	0	****	0	******	******	******	******	1.401	29	*****	.88	6
BILLINGS	755	2	80.0	30	2.9	105.	26	62.	10	.0	.0	451.0	88.0	1.491	30	-2.66	.70	9
BLACKWELL 2E	818	2	80.6	30	3.4	104.	26	59.	6	.0	.0	467.5	101.5	2.550	30	-1.36	1.23	6
BRAMAN	1075	2	*****	0	*****	****	0	****	0	******	******	******	******	1.351	30	*****	.96	6
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	******	******	******	******	.780	30	*****	.36	10
CHEROKEE	1724	2	83.0	29	4.3	109.	25	64.	10	.0	.0	521.5	110.5	2.370	30	-1.45	.70	6
ENID	2912	2	81.3	30	3.2	106.	25	63.	10	.0	.0	488.5	95.5	2.080	30	-2.06	1.28	6
FT SUPPLY DAM	3304	2	80.4	30	5.1	108.	26	62.	24	.0	-6.0	461.0	146.0	.912	30	-2.08	.45	30
FREEDOM	3358	2	79.5	30	1.9	107.	26	57.	25	.0	.0	434.5	56.5	1.610	30	-1.53	.75	4
GREAT SALT PLNS	3740	2	81.1	30	3.8	107.	26	63.	6	.0	.0	482.5	113.5	2.831	30	-.67	1.04	6
HARDY	3909	2	*****	0	*****	****	0	****	0	******	******	******	******	1.533	30	*****	1.30	5
HELENA 1 SSE	4019	2	80.9	30	4.6	107.	26	62.	6	.0	.0	477.0	138.0	1.491	30	-2.33	.53	6
JEFFERSON	4573	2	82.1	30	3.7	107.	25	62.	24	.0	.0	512.5	110.5	2.850	30	-1.19	1.16	5
LAMONT	5013	2	*****	0	*****	****	0	****	0	******	******	******	******	1.920	30	*****	1.28	6
MEDFORD	5768	2	*****	0	*****	****	0	****	0	******	******	******	******	3.310	30	*****	1.17	5
MORRISON	6065	2	*****	0	*****	****	0	****	0	******	******	******	******	1.281	30	*****	.73	6
MUTUAL	6139	2	80.1	30	4.2	109.	26	61.	11	.0	.0	451.5	120.5	.870	30	-2.44	.42	10
NEWKIRK	6278	2	80.0	30	3.0	103.	26	59.	24	.0	.0	450.0	90.0	1.362	30	-3.09	.75	6
ORIENTA	6751	2	*****	0	*****	****	0	****	0	******	******	******	******	1.820	30	-1.89	1.05	10
PERRY	7012	2	82.8	21	*****	104.	27	64.	24	.0	******	373.0	******	1.100	30	-2.79	.71	6
PONCA CITY FAA	7201	2	82.1	30	5.1	106.	25	61.	24	.0	.0	512.0	152.0	1.330	30	-2.59	.91	6
RED ROCK 1 NNE	7505	2	*****	0	*****	****	0	****	0	******	******	******	******	1.640	30	-2.45	.85	6
WAYNOKA	9404	2	81.6	30	3.8	108.	25	60.	24	.0	.0	497.0	113.0	.970	30	-2.52	.38	4
WOODWARD	9760	2	*****	0	*****	****	0	****	0	******	******	******	******	1.371	30	-1.81	.38	6

JUNE 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	79.2	30	2.4	100.	28	60.	29	.0	.0	426.5	72.5	3.161	30	-1.58	1.86	9
BARTLESVILLE 2W	548	3	80.1	30	3.3	101.	25	63.	29	.0	.0	454.0	100.0	2.522	30	-1.53	1.51	9
BIXBY	782	3	79.7	30	3.8	100.	26	65.	25	.0	.0	440.0	113.0	2.430	30	-2.19	1.12	9
BURBANK	1256	3	*****	0	*****	****	0	****	0	******	******	******	******	1.520	30	-2.78	.63	5
CHELSEA 4 S	1717	3	*****	0	*****	****	0	****	0	******	******	******	******	1.430	30	*****	.82	9
CLAREMORE	1828	3	78.6	30	3.0	100.	29	62.	29	.0	.0	409.0	91.0	2.420	30	-2.18	1.42	20
CLEVELAND 5 WSW	1902	3	79.8	30	*****	100.	25	61.	3	.0	******	445.0	******	1.840	30	*****	1.01	6
FORAKER	3250	3	*****	0	*****	****	0	****	0	******	******	******	******	1.600	30	-2.30	1.48	6
HOLLOW	4258	3	*****	0	*****	****	0	****	0	******	******	******	******	.570	30	-4.10	.30	6
HOMINY	4289	3	*****	0	*****	****	0	****	0	******	******	******	******	1.782	30	-2.11	.84	6
HULAH DAM	4393	3	79.2	30	4.3	100.	26	60.	28	.0	.0	426.0	129.0	1.073	30	-2.93	1.02	6
JAY TOWER	4567	3	79.2	30	*****	103.	29	60.	7	.0	******	425.0	******	2.150	30	*****	1.30	9
KANSAS 1 ESE	4672	3	77.9	30	3.2	96.	28	62.	24	.0	.0	387.0	96.0	3.520	30	-1.47	2.10	4
KEYSTONE DAM	4812	3	78.9	30	3.3	99.	26	61.	29	.0	.0	416.5	98.5	3.693	30	-.41	2.41	9
LENAPAH	5118	3	*****	0	*****	****	0	****	0	******	******	******	******	1.220	30	*****	.45	6
MANNFORD 6 NW	5522	3	79.3	30	2.7	100.	25	60.	24	.0	.0	427.5	79.5	4.001	30	.12	1.95	9
MARAMEC	5540	3	*****	0	*****	****	0	****	0	******	******	******	******	3.501	30	-.30	3.50	9
MIAMI	5855	3	78.0	19	*****	102.	29	60.	28	.0	******	247.5	******	1.490	21	*****	.92	3
NOWATA	6485	3	79.4	30	3.0	100.	28	63.	24	.0	.0	433.5	91.5	1.871	30	-2.69	1.39	9
PAWHUSKA	6935	3	79.1	30	2.9	100.	25	60.	24	.0	.0	423.0	87.0	2.950	30	-1.59	1.97	9
PAWNEE	6940	3	*****	0	*****	****	0	****	0	******	******	******	******	2.030	30	-1.81	1.40	6
PRYOR 6 N	7309	3	78.3	30	3.0	98.	30	60.	29	.0	.0	398.0	89.0	1.441	30	-3.55	.68	9
RALSTON	7390	3	79.0	30	2.1	98.	29	56.	24	.0	.0	419.0	62.0	2.100	30	-2.05	1.25	6
RAMONA 4 N	7394	3	*****	0	*****	****	0	****	0	******	******	******	******	1.580	30	*****	1.55	9
SKIATOOK	8258	3	*****	0	*****	****	0	****	0	******	******	******	******	1.310	30	-2.89	.81	6
SPAVINAW	8380	3	80.9	30	4.3	99.	28	63.	24	.0	.0	478.0	130.0	2.581	30	-2.32	1.30	9
TULSA WSO APT	8992	3	80.7	30	3.0	100.	25	65.	24	.0	.0	470.0	89.0	2.723	30	-1.72	1.59	5
UPPER SPAVINAW	9101	3	83.3	30	*****	102.	28	66.	29	.0	******	547.5	******	2.083	30	*****	1.40	9
VINITA 2 N	9203	3	78.6	30	3.4	98.	28	60.	25	.0	.0	407.0	101.0	1.510	30	-3.18	.74	19
WAGONER	9247	3	79.9	30	3.2	97.	29	62.	6	.0	.0	448.0	97.0	.841	30	-4.58	.62	6
WANN	9298	3	*****	0	*****	****	0	****	0	******	******	******	******	1.070	30	*****	.90	6
WYNONA	9792	3	*****	0	*****	****	0	****	0	******	******	******	******	2.183	30	*****	1.47	8

JUNE 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	79.8	30	3.4	104.	26	63.	15	.0	.0	444.5	102.5	1.320	30	-2.50	1.06	20
CHEYENNE	1738	4	*****	0	*****	****	0	****	0	******	******	******	******	1.360	30	-2.23	.53	30
CLINTON	1909	4	82.6	30	4.3	106.	25	62.	24	.0	.0	528.0	129.0	3.441	30	-.71	1.55	12
COLONY	2039	4	*****	0	*****	****	0	****	0	******	******	******	******	1.962	31	*****	1.07	12
CORDELL	2125	4	*****	0	*****	****	0	****	0	******	******	******	******	1.853	30	-2.00	1.07	12
ELK CITY 1 E	2849	4	81.2	30	4.2	110.	27	60.	10	.0	.0	486.5	126.5	1.232	30	-2.64	.92	12
ERICK 4 E	2944	4	80.8	30	4.2	111.	27	61.	2	.0	.0	475.5	124.5	1.323	30	-2.38	1.03	11
GEARY	3497	4	81.6	30	4.8	107.	27	66.	10	.0	.0	497.0	143.0	.750	30	-3.50	.30	11
HAMMON 1 NNE	3871	4	79.8	30	3.3	107.	28	59.	25	.0	.0	445.0	96.0	2.621	30	-1.17	1.56	30
LEEDEY	5090	4	*****	0	*****	****	0	****	0	******	******	******	******	1.343	30	-2.18	1.02	10
MACKIE 4 NNW	5463	4	*****	0	*****	****	0	****	0	******	******	******	******	1.570	30	*****	.57	30
MORAVIA 2 NNE	6035	4	*****	0	*****	****	0	****	0	******	******	******	******	1.860	30	-1.94	1.14	30
OKEENE	6629	4	80.9	30	2.6	105.	26	61.	22	.0	.0	478.5	79.5	.370	30	-3.78	.22	10
RETROP	7565	4	*****	0	*****	****	0	****	0	******	******	******	******	1.180	30	*****	.56	30
REYDON	7579	4	*****	0	*****	****	0	****	0	******	******	******	******	1.630	2	*****	.82	30
SAYRE	7952	4	*****	0	*****	****	0	****	0	******	******	******	******	1.530	30	-2.13	.51	30
SWEETWATER 2 E	8652	4	*****	0	*****	****	0	****	0	******	******	******	******	.960	30	*****	.52	11
TALOGA	8708	4	81.5	30	4.7	107.	25	59.	25	.0	.0	495.0	141.0	1.251	30	-2.46	.90	30
THOMAS	8815	4	*****	0	*****	****	0	****	0	******	******	******	******	.850	30	*****	.45	11
VICI	9172	4	*****	0	*****	****	0	****	0	******	******	******	******	2.051	30	-1.49	.85	4
WATONGA	9364	4	81.4	30	4.2	106.	25	63.	24	.0	.0	493.0	127.0	.800	30	-3.25	.36	30
WEATHERFORD	9422	4	81.5	30	4.4	108.	28	62.	11	.0	.0	494.5	131.5	1.060	30	-2.95	.60	11

JUNE 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	******	******	******	******	.350	30	*****	.16	30
ARCADIA	288	5	*****	0	*****	****	0	****	0	******	******	******	******	.993	31	*****	.99	6
TINKER AFB	325	5	*****	0	*****	****	0	****	0	******	******	******	******	1.176	30	*****	.78	6
BLANCHARD 2 SSW	830	5	80.4	30	3.3	103.	27	64.	27	.0	.0	463.0	100.0	.623	30	-3.39	.26	4
BRISTOW	1144	5	80.3	30	3.4	101.	26	61.	24	.0	.0	458.5	101.5	1.111	30	-2.76	.55	6
CHANDLER	1684	5	81.4	30	4.4	101.	25	64.	24	.0	.0	492.0	132.0	1.941	30	-2.09	.82	6
CHICKASHA EX ST	1750	5	81.7	30	3.3	106.	27	63.	12	.0	.0	500.0	98.0	.431	30	-3.28	.27	12
COX CITY 1 E	2196	5	*****	0	*****	****	0	****	0	******	******	******	******	.320	30	*****	.11	12
CRESCENT	2242	5	*****	0	*****	****	0	****	0	******	******	******	******	1.790	30	*****	1.35	6
CUSHING	2318	5	80.3	30	4.0	101.	26	63.	6	.0	.0	458.5	119.5	1.380	30	-2.89	1.09	6
EL RENO 1 N	2818	5	81.1	30	4.1	106.	28	61.	4	.0	.0	484.0	124.0	2.270	30	-2.12	1.89	4
GUTHRIE	3821	5	82.6	30	4.7	107.	25	64.	6	.0	.0	527.0	140.0	1.541	30	-2.69	.52	30
HENNESSEY 4 ESE	4055	5	81.8	30	4.0	108.	27	63.	2	.0	.0	505.5	121.5	.670	30	-3.51	.27	30
INGALLS	4489	5	*****	0	*****	****	0	****	0	******	******	******	******	2.262	27	*****	2.17	9
KINGFISHER 2 SE	4861	5	80.8	30	2.8	107.	27	63.	23	.0	.0	475.5	82.5	1.040	30	-3.23	.59	10
KONAWA	4915	5	*****	0	*****	****	0	****	0	******	******	******	******	2.040	30	-2.04	.62	7
MARSHALL	5589	5	*****	0	*****	****	0	****	0	******	******	******	******	1.000	30	-2.98	.87	6
MEEKER 4 W	5779	5	79.8	29	3.1	99.	27	62.	24	.0	.0	430.5	79.5	1.400	30	-2.78	.61	5
MULHALL	6110	5	*****	0	*****	****	0	****	0	******	******	******	******	1.610	30	*****	.88	7
NORMAN 3 S	6386	5	79.6	30	2.4	104.	27	62.	12	.0	.0	438.0	72.0	1.871	30	-2.22	1.26	6
OILTON 2 SE	6616	5	*****	0	*****	****	0	****	0	******	******	******	******	2.680	30	*****	1.36	5
OKEMAH	6638	5	81.3	30	4.6	101.	25	64.	6	.0	.0	488.0	137.0	2.231	30	-1.96	.90	6
OKLAHOMA CTY WS	6661	5	79.6	30	2.9	103.	27	62.	12	.0	.0	437.5	86.5	1.706	30	-2.60	1.50	6
PERKINS	7003	5	*****	0	*****	****	0	****	0	******	******	******	******	1.070	30	-3.36	.63	6
PIEDMONT	7068	5	*****	0	*****	****	0	****	0	******	******	******	******	1.680	30	*****	1.35	6
PRAGUE	7264	5	*****	0	*****	****	0	****	0	******	******	******	******	2.050	30	-1.75	1.00	3
PURCELL 5 SW	7327	5	79.9	30	2.3	101.	27	60.	3	.0	.0	448.5	67.5	4.871	30	.64	2.12	4
SEMINOLE	8042	5	81.8	30	3.4	101.	30	65.	24	.0	.0	502.5	103.5	.362	30	-3.85	.25	9
SHAWNEE	8110	5	*****	0	*****	****	0	****	0	******	******	******	******	.880	30	-3.44	.75	6
STELLA	8479	5	*****	0	*****	****	0	****	0	******	******	******	******	1.080	30	*****	.52	6
STILLWATER 2 W	8501	5	80.3	30	4.1	102.	26	62.	24	.0	.0	459.0	123.0	1.811	30	-2.19	.67	9
STROUD 1 N	8563	5	*****	0	*****	****	0	****	0	******	******	******	******	3.371	30	*****	1.82	6
TECUMSEH	8751	5	*****	0	*****	****	0	****	0	******	******	******	******	2.880	30	*****	1.55	4
TROUSDALE	8960	5	*****	0	*****	****	0	****	0	******	******	******	******	2.450	30	*****	1.60	4
UNION CITY 1 SE	9086	5	*****	0	*****	****	0	****	0	******	******	******	******	.711	30	-3.98	.33	20
WELTY 1 SSE	9479	5	*****	0	*****	****	0	****	0	******	******	******	******	2.231	30	*****	.95	19
WEWOKA	9575	5	*****	0	*****	****	0	****	0	******	******	******	******	1.560	30	-2.50	.96	6

JUNE 1994 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ASHLAND	364	6	*****	0	*****	****	0	****	0	******	******	******	******	1.560	30	*****	.90	11
BEGGS	631	6	*****	0	*****	****	0	****	0	******	******	******	******	2.210	30	*****	1.16	6
BOYNTON	1027	6	*****	0	*****	****	0	****	0	******	******	******	******	2.401	30	*****	.65	6
CALVIN	1391	6	*****	0	*****	****	0	****	0	******	******	******	******	.000	8	*****	.00	30
CHECOTAH	1711	6	*****	0	*****	****	0	****	0	******	******	******	******	1.930	30	-1.96	.74	4
CLAYTON 14 WNW	1858	6	*****	0	*****	****	0	****	0	******	******	******	******	3.640	30	*****	2.00	5
DEWAR 2 NE	2485	6	*****	0	*****	****	0	****	0	******	******	******	******	1.550	30	-2.40	.87	5
DUSTIN	2690	6	*****	0	*****	****	0	****	0	******	******	******	******	1.020	30	*****	.48	6
EUFAULA	2993	6	85.6	30	7.6	102.	7	70.	6	.0	.0	617.0	227.0	1.940	30	-2.09	.97	10
HANNA	3884	6	80.3	30	3.1	100.	25	62.	3	.0	.0	459.5	93.5	.821	30	-2.89	.40	5
HARTSHORNE	3946	6	*****	0	*****	****	0	****	0	******	******	******	******	2.780	30	*****	1.23	5
HASKELL	3956	6	*****	0	*****	****	0	****	0	******	******	******	******	4.110	30	-.59	1.19	9
HOLDENVILLE	4235	6	80.1	30	3.3	101.	29	64.	24	.0	.0	453.5	99.5	1.251	30	-2.44	.79	6
LAKE EUFAULA	4975	6	79.7	30	*****	99.	30	61.	10	.0	******	439.5	******	2.920	29	*****	1.70	10
LYONS 2 N	5437	6	*****	0	*****	****	0	****	0	******	******	******	******	.920	30	-3.54	.51	20
MARBLE CITY	5546	6	*****	0	*****	****	0	****	0	******	******	******	******	3.003	30	*****	1.55	10
MCALESTER FAA	5664	6	80.7	30	3.5	98.	30	62.	24	.0	.0	471.0	105.0	1.911	30	-2.07	1.10	23
MCCURTAIN 1 SE	5693	6	80.9	30	3.5	100.	29	62.	9	.0	.0	476.5	104.5	2.791	30	-1.38	1.00	10
MUSKOGEE	6130	6	80.7	30	3.7	99.	30	64.	10	.0	.0	469.5	109.5	2.370	30	-1.92	1.09	6
OKMULGEE W W	6670	6	78.7	30	2.6	100.	26	60.	24	.0	.0	409.5	76.5	2.821	30	-1.41	1.09	6
OKTAHA 2 NE	6678	6	*****	0	*****	****	0	****	0	******	******	******	******	1.630	30	*****	.65	19
SALLISAW 2 NE	7862	6	79.0	30	1.9	96.	29	63.	26	.0	.0	421.0	58.0	3.611	30	.05	2.96	10
SCIPIO	7979	6	*****	0	*****	****	0	****	0	******	******	******	******	2.030	30	*****	1.38	4
SHORT	8170	6	*****	0	*****	****	0	****	0	******	******	******	******	4.590	30	*****	2.00	10
STILWELL 1 NE	8506	6	77.6	30	2.6	97.	28	60.	24	.0	.0	378.5	78.5	.590	30	-3.63	.26	10
TAHLEQUAH	8677	6	79.0	30	3.4	99.	29	61.	6	.0	.0	420.0	102.0	1.930	30	-2.60	.48	6
WEBBERS FALLS	9445	6	79.5	30	2.8	101.	30	63.	10	.0	.0	436.0	85.0	2.000	30	-1.67	1.20	10
WETUMKA 3 NE	9571	6	*****	0	*****	****	0	****	0	******	******	******	******	2.910	30	-1.19	1.72	5

JUNE 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	84.1	30	4.2	115.	27	63.	2	.0	.0	572.5	125.5	1.180	30	-2.33	.70	11
ALTUS DAM	184	7	84.9	30	6.0	114.	28	64.	24	.0	.0	597.5	180.5	2.390	30	-1.32	.87	30
ANADARKO	224	7	80.7	29	3.2	107.	27	62.	24	.0	.0	454.5	79.5	1.860	30	-2.00	1.23	29
APACHE	260	7	*****	0	*****	****	0	****	0	******	******	******	******	1.780	30	-2.15	.75	30
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	******	******	******	******	.432	29	*****	.26	30
CARNEGIE 2 ENE	1504	7	81.6	30	3.5	112.	27	61.	24	.0	.0	498.0	99.0	4.410	30	.41	3.20	11
CHATTANOOGA	1706	7	83.1	30	3.7	116.	28	62.	11	.0	.0	541.5	109.5	2.761	30	-.63	1.85	30
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	******	******	******	******	1.932	30	*****	1.44	11
FREDERICK	3353	7	82.2	30	3.0	115.	28	60.	11	.0	.0	516.5	90.5	1.700	30	-1.75	1.14	4
GRANDFIELD 4 NW	3709	7	*****	0	*****	****	0	****	0	******	******	******	******	2.230	30	-1.57	.75	12
HEADRICK	3998	7	*****	0	*****	****	0	****	0	******	******	******	******	3.010	30	*****	1.30	29
HOBART FAA APT	4204	7	82.8	30	4.2	112.	27	63.	24	.0	.0	534.5	126.5	1.721	30	-1.35	.83	30
HOLLIS	4249	7	83.4	30	3.8	116.	27	60.	10	.0	.0	553.5	115.5	1.590	30	-2.10	.68	20
LAWTON	5063	7	82.1	30	3.8	114.	28	64.	11	.0	.0	513.0	114.0	1.640	30	-1.98	.82	12
FORT SILL	5068	7	81.1	30	*****	111.	27	64.	11	.0	******	483.0	******	3.483	30	*****	2.51	11
LOOKEBA 2 ENE	5329	7	*****	0	*****	****	0	****	0	******	******	******	******	2.031	30	-2.13	1.37	20
MANGUM RES STA	5509	7	81.9	30	2.4	111.	27	60.	11	.0	.0	507.5	72.5	4.820	30	1.05	3.78	4
RANDLETT 9 E	7403	7	*****	0	*****	****	0	****	0	******	******	******	******	1.582	30	*****	.94	30
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	******	******	******	******	2.680	30	-.98	1.32	30
SEDAN	8016	7	*****	0	*****	****	0	****	0	******	******	******	******	2.490	30	*****	1.05	12
SNYDER	8299	7	*****	0	*****	****	0	****	0	******	******	******	******	1.511	30	-1.95	.72	30
VINSON 3 WNW	9212	7	*****	0	*****	****	0	****	0	******	******	******	******	1.200	30	-2.26	.63	30
WALTERS	9278	7	81.8	30	2.5	112.	28	63.	1	.0	.0	505.0	76.0	3.330	30	-.81	2.40	30
WICHITA MT WLR	9629	7	79.4	30	2.8	111.	28	59.	1	.0	.0	433.5	82.5	1.920	30	-1.90	.72	12
WILLOW	9668	7	*****	0	*****	****	0	****	0	******	******	******	******	2.200	30	*****	.88	11

JUNE 1994 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

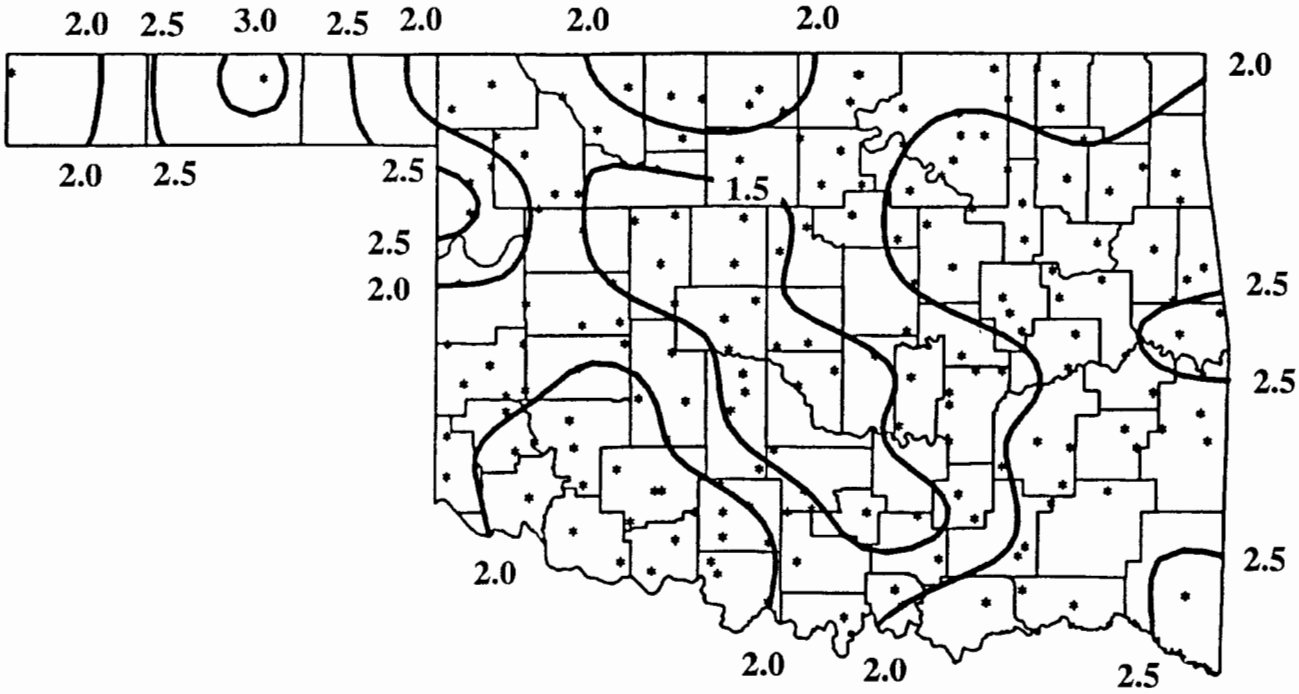
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ADA	17	8	80.0	30	3.1	98.	29	64.	6	.0	.0	449.0	92.0	1.001	30	-3.10	.37	16
ALLEN	147	8	*****	0	*****	****	0	****	0	******	******	******	******	3.351	30	*****	2.00	4
ARDMORE	292	8	80.9	30	1.6	101.	28	65.	12	.0	.0	478.5	49.5	1.600	30	-2.26	.80	5
ATOKA DAM	394	8	81.3	30	4.3	100.	30	65.	1	.0	.0	490.5	130.5	1.901	30	-2.32	.82	9
BOKCHITO	917	8	*****	0	*****	****	0	****	0	******	******	******	******	5.320	30	*****	3.03	10
CENTRAHOMA	1648	8	*****	0	*****	****	0	****	0	******	******	******	******	.680	30	*****	.30	10
CHICKASAW NRA	1745	8	81.2	30	4.3	101.	28	65.	24	.0	.0	487.0	130.0	1.100	30	-2.86	.81	6
COLEMAN	2011	8	*****	0	*****	****	0	****	0	******	******	******	******	.400	30	*****	.40	11
COMANCHE	2054	8	*****	0	*****	****	0	****	0	******	******	******	******	3.570	30	-.25	1.03	12
DAISY 4 ENE	2354	8	*****	0	*****	****	0	****	0	******	******	******	******	2.801	30	-1.46	1.82	9
DUNCAN	2660	8	80.3	30	2.3	103.	28	63.	12	.0	.0	457.5	70.5	3.122	30	-.86	1.57	12
DURANT USDA	2678	8	80.4	30	2.9	99.	26	65.	2	.0	.0	461.0	86.0	3.360	30	-1.23	1.21	11
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	******	******	******	******	.290	31	*****	.27	30
FARRIS 3 WNW	3083	8	*****	0	*****	****	0	****	0	******	******	******	******	2.380	30	-1.80	.89	24
GRADY	3688	8	*****	0	*****	****	0	****	0	******	******	******	******	1.520	30	*****	.82	30
HEALDTON	4001	8	80.2	30	2.2	102.	27	57.	30	.0	.0	456.0	66.0	1.510	30	-2.66	1.12	30
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	******	******	******	******	1.480	30	*****	.66	6
KETCHUM RANCH	4780	8	*****	0	*****	****	0	****	0	******	******	******	******	3.520	30	*****	1.25	9
KINGSTON	4865	8	*****	0	*****	****	0	****	0	******	******	******	******	2.260	30	-1.82	1.15	16
LEHIGH	5108	8	*****	0	*****	****	0	****	0	******	******	******	******	.983	30	*****	.35	10
LINDSAY 2 W	5216	8	80.1	30	2.6	102.	28	56.	6	.0	.0	452.5	77.5	1.180	30	-2.84	.95	11
LOCO 6 SE	5247	8	*****	0	*****	****	0	****	0	******	******	******	******	2.110	30	*****	1.36	30
MADILL	5468	8	79.6	30	1.2	98.	28	60.	15	.0	.0	438.0	36.0	1.690	30	-2.82	.93	14
MARIETTA	5563	8	81.4	30	3.3	102.	27	65.	12	.0	.0	491.0	98.0	1.831	30	-2.17	.66	6
MARLOW 1 WSW	5581	8	81.0	30	3.9	104.	27	63.	11	.0	.0	481.0	118.0	1.870	30	-2.31	.82	25
MCGEE CREEK DAM	5713	8	80.0	30	*****	99.	26	65.	6	.0	******	449.0	******	2.161	30	*****	1.25	5
PAULS VALLEY	6926	8	80.6	30	2.3	101.	29	64.	24	.0	.0	468.5	69.5	2.880	30	-1.02	1.85	6
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	******	******	******	******	.680	30	-3.43	.31	15
TISHOMINGO NWLR	8884	8	81.5	22	*****	98.	29	64.	1	.0	******	363.5	******	1.030	22	*****	.65	16
TUSSY	9032	8	*****	0	*****	****	0	****	0	******	******	******	******	1.620	30	*****	1.08	30
WAURIKA	9395	8	81.8	30	2.4	106.	27	64.	12	.0	.0	502.5	73.5	1.920	30	-1.81	1.34	25
WAURIKA DAM	9399	8	81.5	29	*****	110.	28	64.	12	.0	******	479.5	******	3.351	30	*****	1.96	30

JUNE 1994 SUMMARY FOR SOUTHEAST DIVISION (CD9)

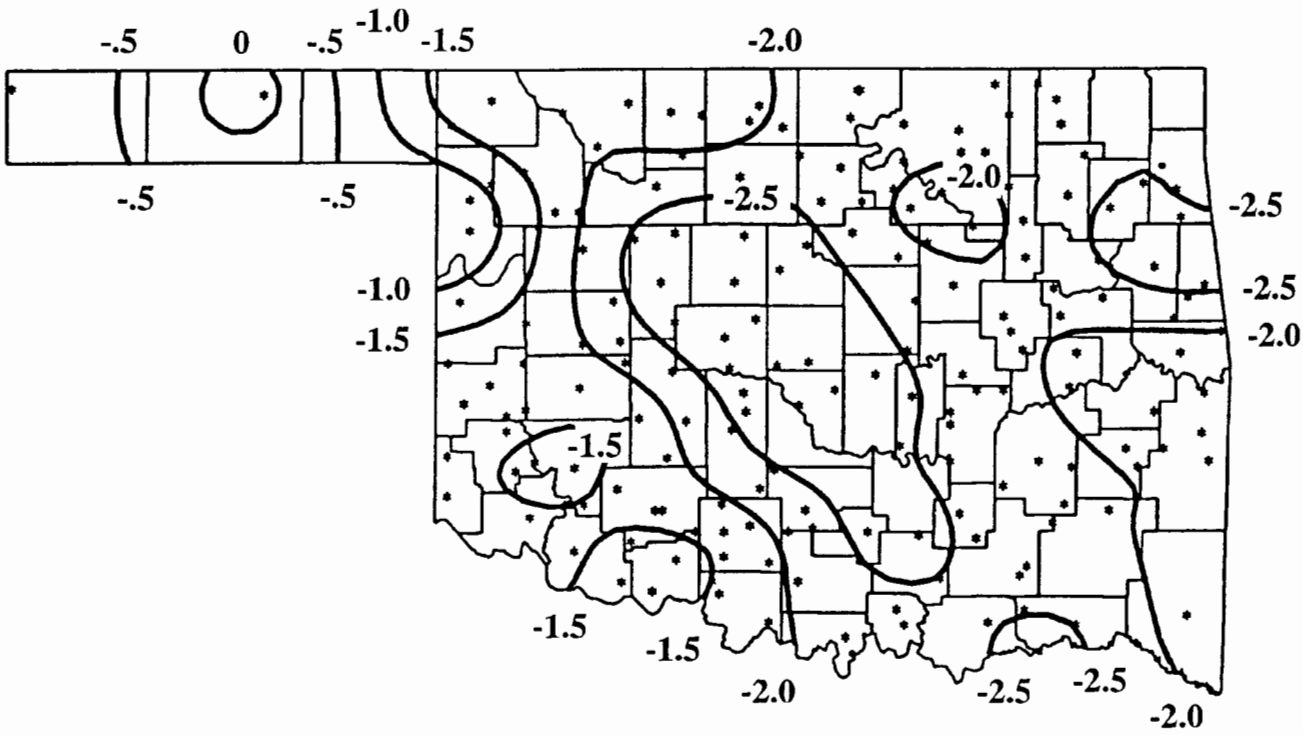
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	79.8	30	2.6	97.	29	64.	1	.0	.0	443.0	77.0	2.000	30	-2.48	.70	9
BATTIEST 1 SSW	567	9	76.1	30	*****	96.	29	59.	1	.0	******	333.0	******	2.601	30	*****	.52	30
BEAR MT TWR	584	9	78.8	16	*****	92.	8	64.	2	.0	******	220.5	******	3.490	30	-.67	1.66	5
BENGAL	670	9	*****	0	*****	****	0	****	0	******	******	******	******	2.010	30	*****	.77	9
BOSWELL 4 NNW	980	9	*****	0	*****	****	0	****	0	******	******	******	******	1.584	30	-2.53	.75	10
BROKEN BOW 1 N	1162	9	*****	0	*****	****	0	****	0	******	******	******	******	3.280	30	-1.06	1.84	10
BROKEN BOW DAM	1168	9	79.4	30	3.0	99.	30	63.	26	.0	.0	432.0	90.0	3.270	30	-1.04	1.80	10
CARNASAW TWR	1499	9	*****	0	*****	****	0	****	0	******	******	******	******	4.080	30	-.47	2.85	10
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	******	******	******	******	1.370	30	-2.90	.80	10
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	******	******	******	******	2.880	30	-1.35	1.40	9
HEAVENER 1 SE	4008	9	*****	0	*****	****	0	****	0	******	******	******	******	1.536	31	-2.53	1.15	10
HEE MT TWR	4017	9	*****	0	*****	****	0	****	0	******	******	******	******	1.890	30	-2.37	.55	9
HUGO	4384	9	80.5	30	2.4	97.	29	65.	11	.0	.0	464.0	71.0	1.092	30	-3.66	.37	11
IDABEL	4451	9	80.3	30	3.3	95.	29	65.	1	.0	.0	460.0	100.0	3.024	30	-1.27	.92	11
POTEAU W W	7254	9	79.8	30	*****	101.	29	60.	2	.0	******	445.0	******	1.284	30	*****	.50	9
SMITHVILLE 1 W	8285	9	77.3	30	2.3	98.	29	59.	25	.0	.0	370.5	67.5	2.458	30	-1.75	.75	11
SPIRO	8416	9	*****	0	*****	****	0	****	0	******	******	******	******	2.660	30	-.87	.80	10
TUSKAHOMA	9023	9	79.5	30	2.4	99.	30	61.	1	.0	.0	434.5	71.5	2.562	30	-2.22	.80	24
VALLIANT 3 W	9118	9	*****	0	*****	****	0	****	0	******	******	******	******	5.551	30	1.56	2.58	5
WILBURTON 9 ENE	9634	9	80.3	30	4.0	101.	29	61.	1	.0	.0	459.0	120.0	1.392	30	-2.73	.50	8

JUNE 1994 CLIMATE DIVISION SUMMARY

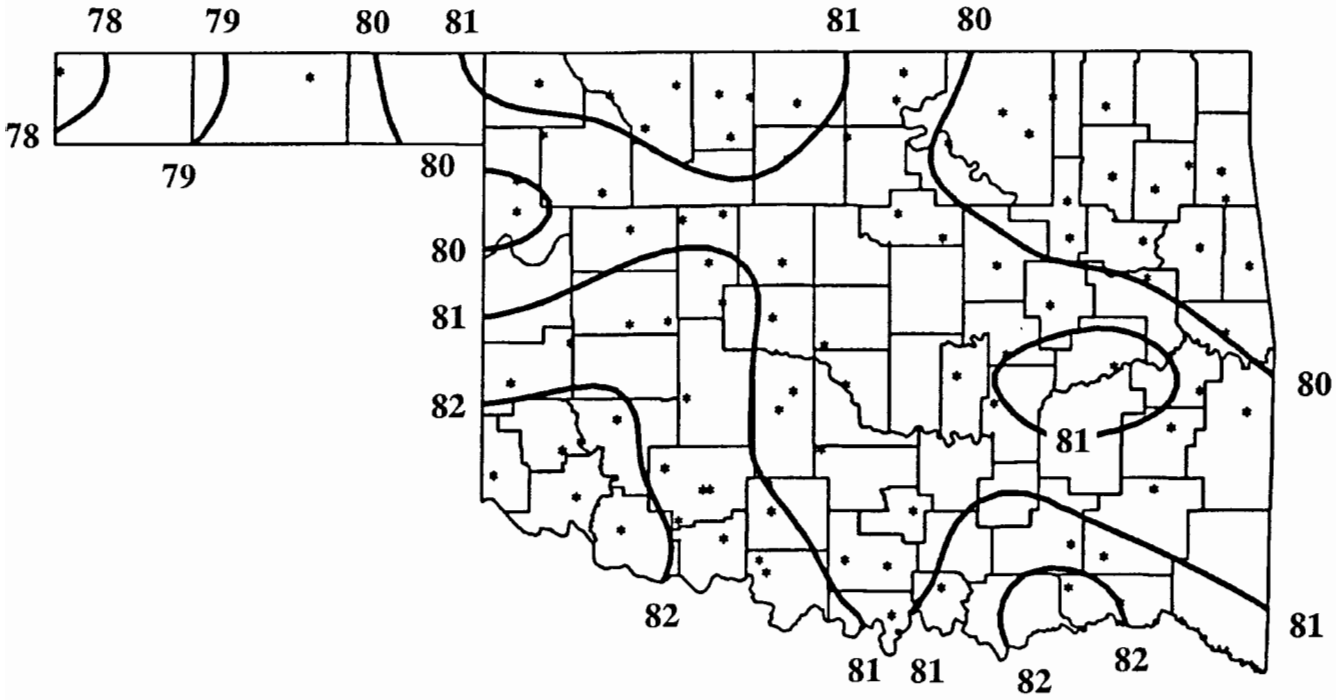
CLIMATE DIV	MEAN TEMP	NUM STA	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEGREE DAYS	DEV FROM NORM	COOL DEGREE DAYS	DEV FROM NORM	TOT PPT	NUM STA	DEV FROM NORM	MAX 24-HR	DAY
1	79.7	11	5.0	112.0	26	52.0	16	.0	-5.2	441.4	143.7	2.41	14	-.60	3.22	11
2	81.1	14	3.8	109.0	26	57.0	25	.0	-.4	480.4	112.4	1.76	24	-1.97	1.42	10
3	79.5	19	3.5	103.0	29	56.0	24	.0	.0	435.8	104.4	2.09	31	-2.32	3.50	9
4	81.1	10	4.1	111.0	27	59.0	25	.0	.0	483.8	121.3	1.46	21	-2.36	1.56	30
5	80.8	16	3.6	108.0	27	60.0	3	.0	.0	473.0	108.3	1.59	36	-2.57	2.17	9
6	80.1	12	3.4	102.0	7	60.0	24	.0	.0	454.3	102.2	2.24	26	-1.86	2.96	10
7	82.2	13	3.6	116.0	27	59.0	1	.0	.0	516.2	105.2	2.31	24	-1.38	3.78	4
8	80.7	15	2.8	110.0	28	56.0	6	.0	.0	469.4	82.0	2.05	31	-2.07	3.03	10
9	79.2	9	2.4	101.0	29	59.0	25	.0	.0	426.8	71.1	2.50	20	-1.76	2.85	10



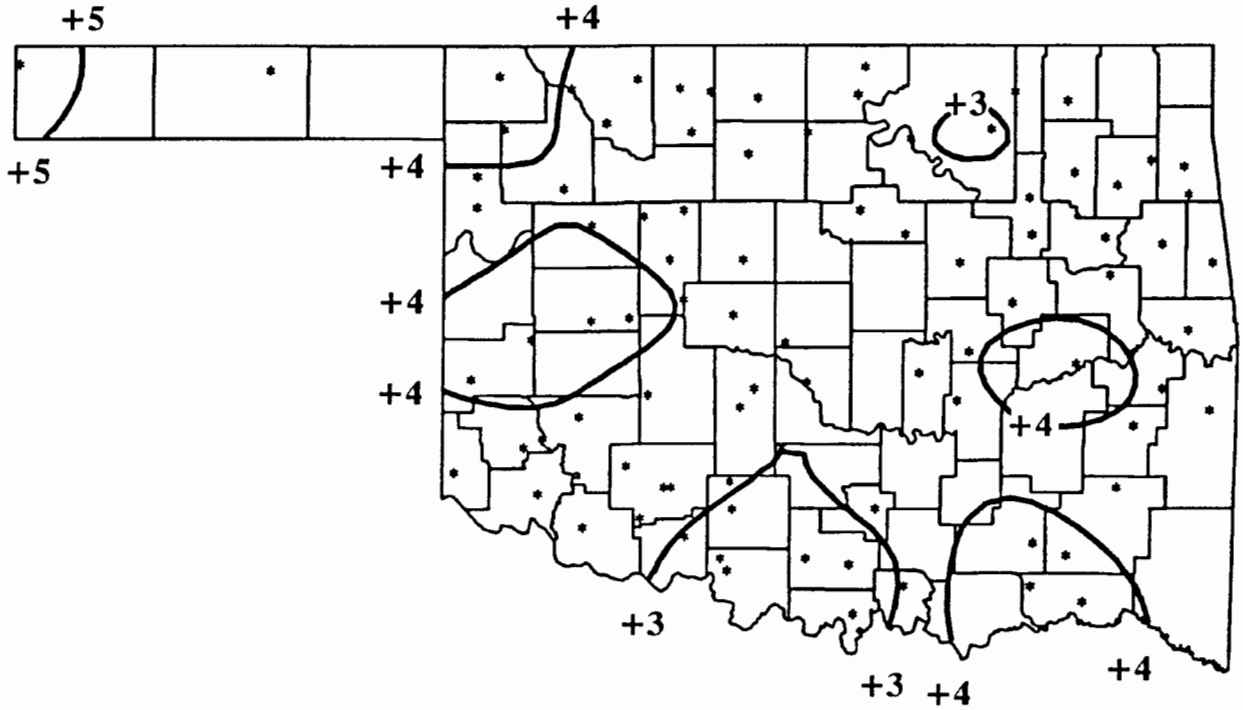
JUNE 1994 TOTAL PRECIPITATION
(Inches)



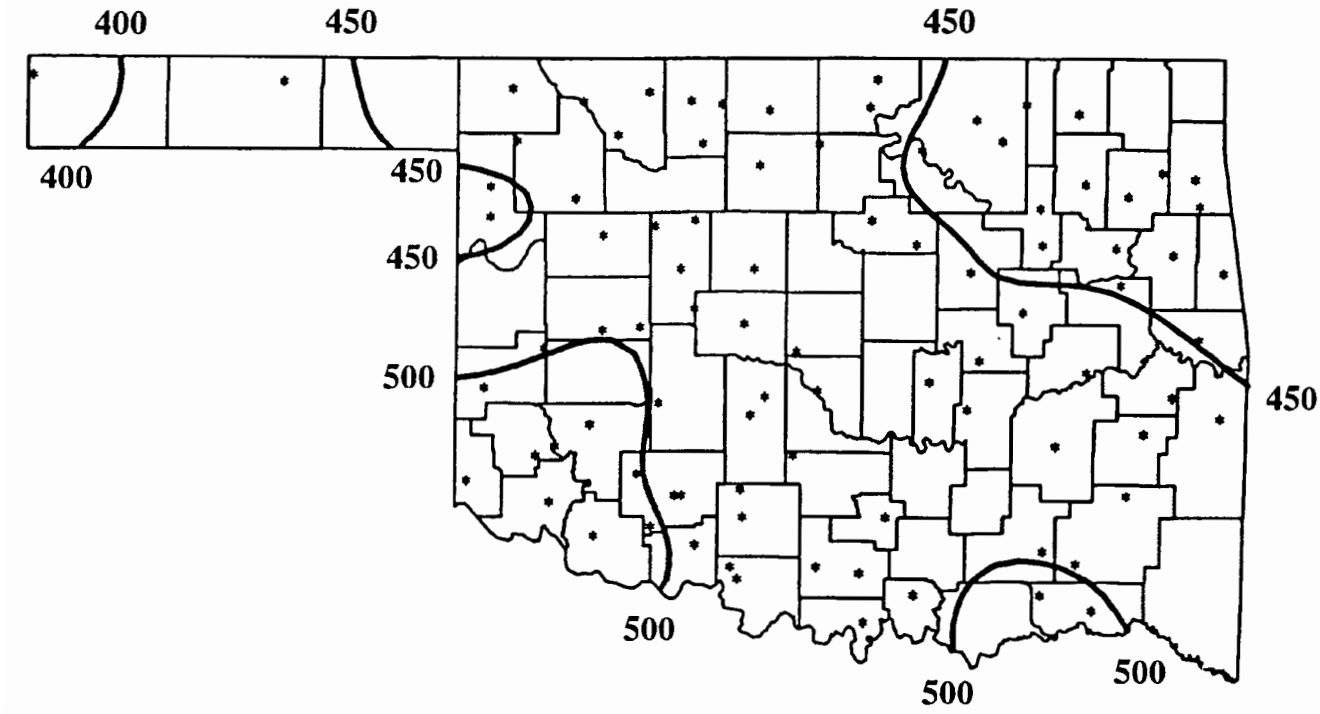
JUNE 1994 DEVIATION FROM NORMAL PRECIPITATION
(Inches)



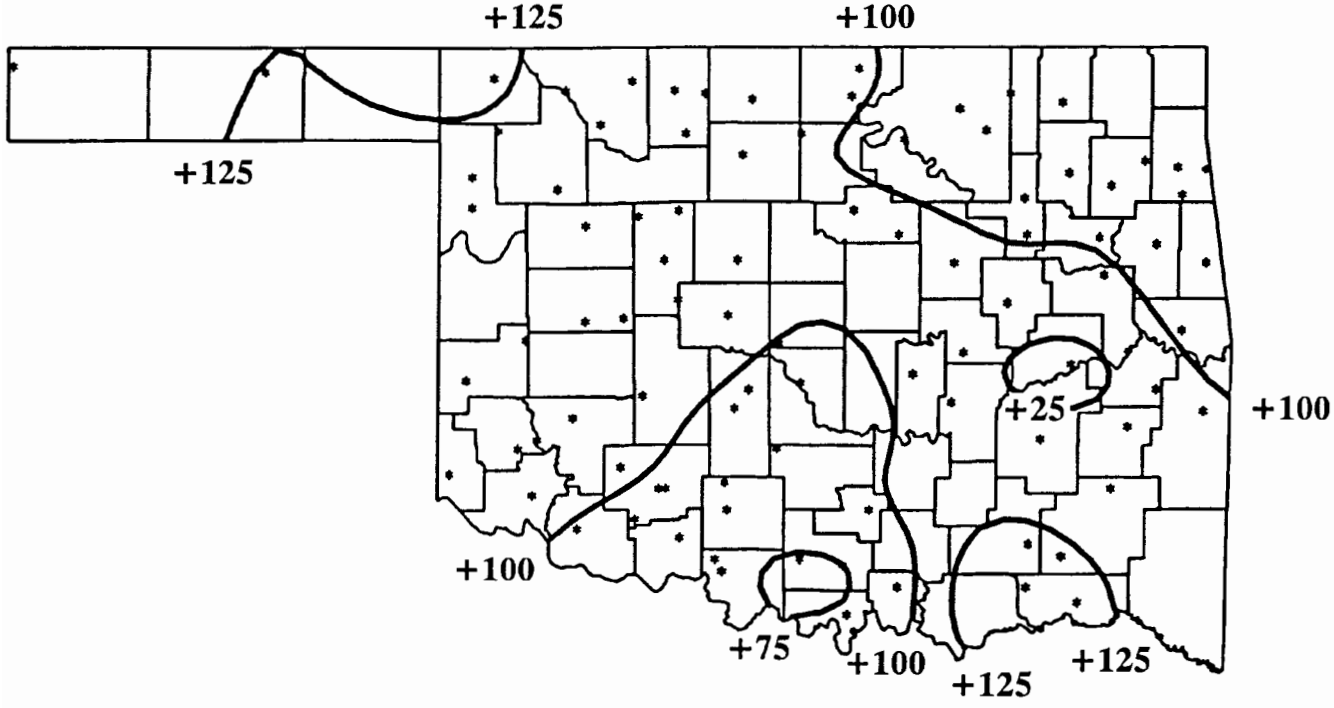
JUNE 1994 AVERAGE MONTHLY TEMPERATURES
(Degrees F)



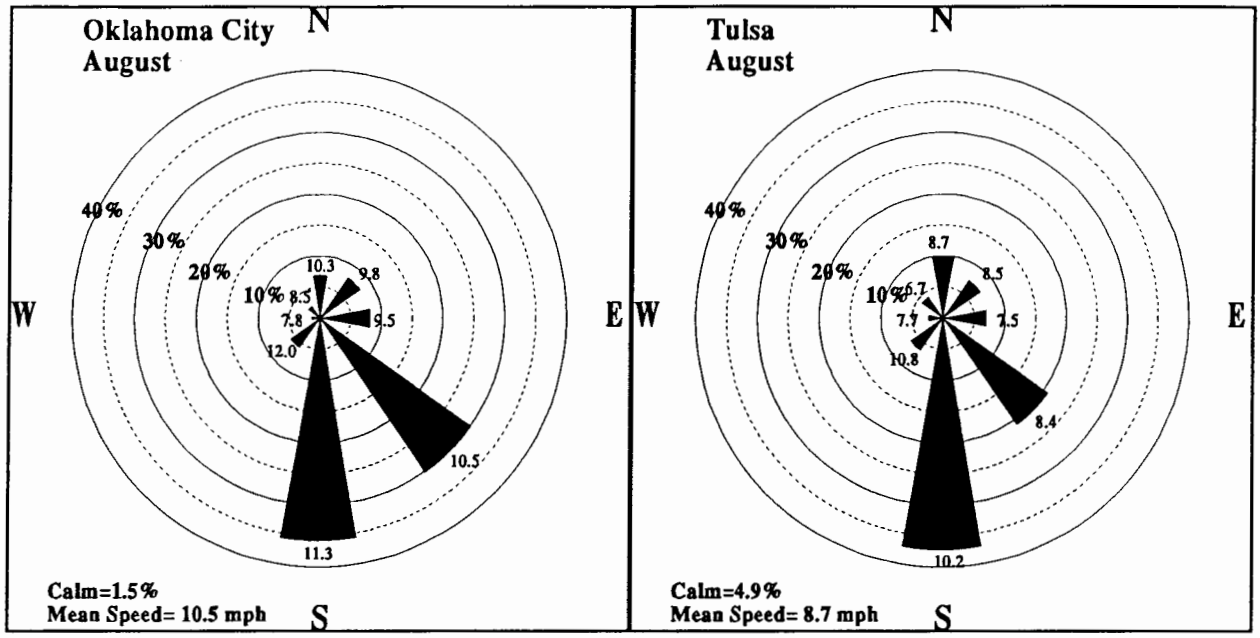
JUNE 1994 DEVIATION FROM NORMAL TEMPERATURES
(Degrees F)



JUNE 1994 COOLING DEGREE DAYS



JUNE 1994 DEVIATION FROM NORMAL COOLING DEGREE DAYS



August 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.

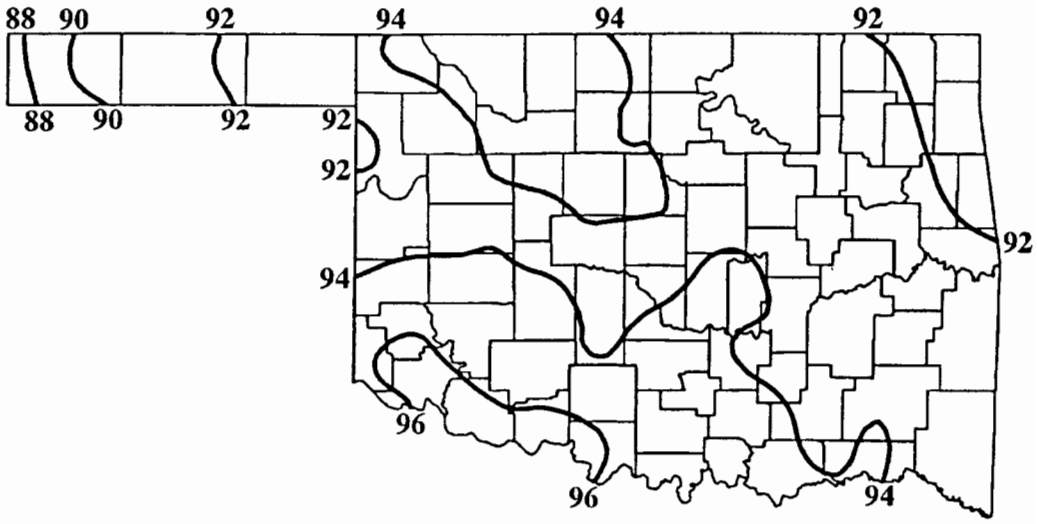
AUGUST 1994 SUNRISE AND SUNSET

OKLAHOMA CITY

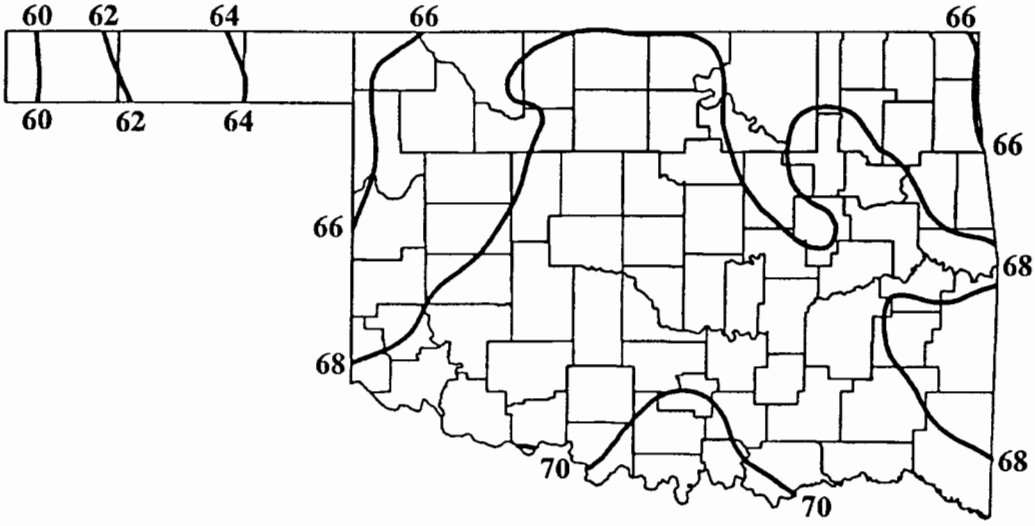
DATE	SUNRISE	SUNSET	DAYLIGHT
94 8 1	6:39AM	8:34PM CDT	13 hrs 55 mins
94 8 2	6:40AM	8:34PM CDT	13 hrs 54 mins
94 8 3	6:41AM	8:33PM CDT	13 hrs 52 mins
94 8 4	6:41AM	8:32PM CDT	13 hrs 51 mins
94 8 5	6:42AM	8:31PM CDT	13 hrs 49 mins
94 8 6	6:43AM	8:30PM CDT	13 hrs 47 mins
94 8 7	6:43AM	8:29PM CDT	13 hrs 46 mins
94 8 8	6:44AM	8:28PM CDT	13 hrs 44 mins
94 8 9	6:45AM	8:27PM CDT	13 hrs 42 mins
94 810	6:46AM	8:26PM CDT	13 hrs 41 mins
94 811	6:46AM	8:25PM CDT	13 hrs 39 mins
94 812	6:47AM	8:24PM CDT	13 hrs 37 mins
94 813	6:48AM	8:23PM CDT	13 hrs 35 mins
94 814	6:49AM	8:22PM CDT	13 hrs 33 mins
94 815	6:49AM	8:21PM CDT	13 hrs 31 mins
94 816	6:50AM	8:20PM CDT	13 hrs 30 mins
94 817	6:51AM	8:18PM CDT	13 hrs 28 mins
94 818	6:51AM	8:17PM CDT	13 hrs 26 mins
94 819	6:52AM	8:16PM CDT	13 hrs 24 mins
94 820	6:53AM	8:15PM CDT	13 hrs 22 mins
94 821	6:54AM	8:14PM CDT	13 hrs 20 mins
94 822	6:54AM	8:12PM CDT	13 hrs 18 mins
94 823	6:55AM	8:11PM CDT	13 hrs 16 mins
94 824	6:56AM	8:10PM CDT	13 hrs 14 mins
94 825	6:57AM	8: 9PM CDT	13 hrs 12 mins
94 826	6:57AM	8: 7PM CDT	13 hrs 10 mins
94 827	6:58AM	8: 6PM CDT	13 hrs 8 mins
94 828	6:59AM	8: 5PM CDT	13 hrs 6 mins
94 829	6:59AM	8: 3PM CDT	13 hrs 4 mins
94 830	7: 0AM	8: 2PM CDT	13 hrs 2 mins
94 831	7: 1AM	8: 1PM CDT	13 hrs 0 mins

TULSA

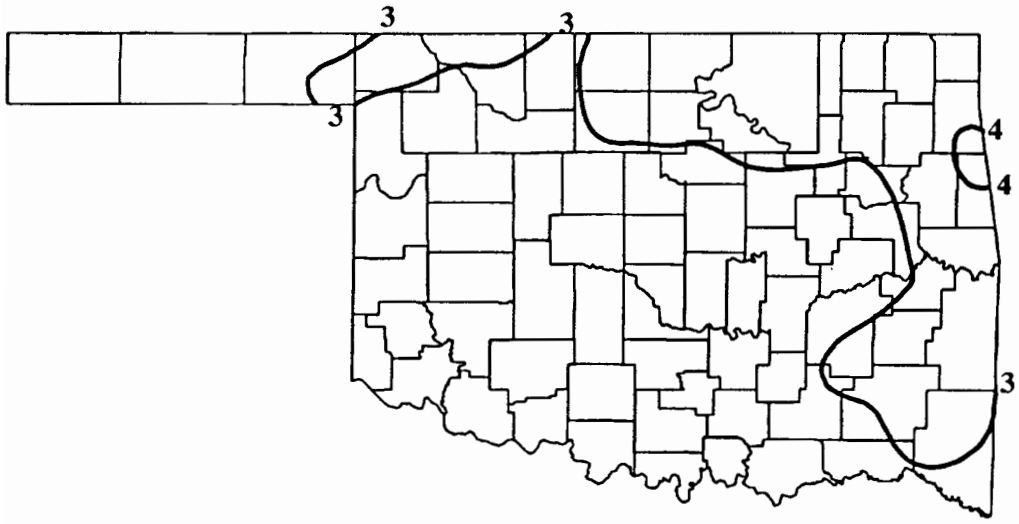
DATE	SUNRISE	SUNSET	DAYLIGHT
94 8 1	6:31AM	8:29PM CDT	13 hrs 59 mins
94 8 2	6:31AM	8:28PM CDT	13 hrs 57 mins
94 8 3	6:32AM	8:28PM CDT	13 hrs 55 mins
94 8 4	6:33AM	8:27PM CDT	13 hrs 54 mins
94 8 5	6:34AM	8:26PM CDT	13 hrs 52 mins
94 8 6	6:34AM	8:25PM CDT	13 hrs 50 mins
94 8 7	6:35AM	8:24PM CDT	13 hrs 49 mins
94 8 8	6:36AM	8:23PM CDT	13 hrs 47 mins
94 8 9	6:37AM	8:22PM CDT	13 hrs 45 mins
94 810	6:37AM	8:21PM CDT	13 hrs 43 mins
94 811	6:38AM	8:20PM CDT	13 hrs 42 mins
94 812	6:39AM	8:19PM CDT	13 hrs 40 mins
94 813	6:40AM	8:18PM CDT	13 hrs 38 mins
94 814	6:40AM	8:16PM CDT	13 hrs 36 mins
94 815	6:41AM	8:15PM CDT	13 hrs 34 mins
94 816	6:42AM	8:14PM CDT	13 hrs 32 mins
94 817	6:43AM	8:13PM CDT	13 hrs 30 mins
94 818	6:44AM	8:12PM CDT	13 hrs 28 mins
94 819	6:44AM	8:10PM CDT	13 hrs 26 mins
94 820	6:45AM	8: 9PM CDT	13 hrs 24 mins
94 821	6:46AM	8: 8PM CDT	13 hrs 22 mins
94 822	6:47AM	8: 7PM CDT	13 hrs 20 mins
94 823	6:47AM	8: 5PM CDT	13 hrs 18 mins
94 824	6:48AM	8: 4PM CDT	13 hrs 16 mins
94 825	6:49AM	8: 3PM CDT	13 hrs 14 mins
94 826	6:50AM	8: 1PM CDT	13 hrs 12 mins
94 827	6:50AM	8: 0PM CDT	13 hrs 10 mins
94 828	6:51AM	7:59PM CDT	13 hrs 8 mins
94 829	6:52AM	7:57PM CDT	13 hrs 6 mins
94 830	6:53AM	7:56PM CDT	13 hrs 3 mins
94 831	6:53AM	7:55PM CDT	13 hrs 1 mins



August Normal Daily Maximum Temperatures (°F)



August Normal Daily Minimum Temperatures (°F)



August Normal Monthly Precipitation (inches)

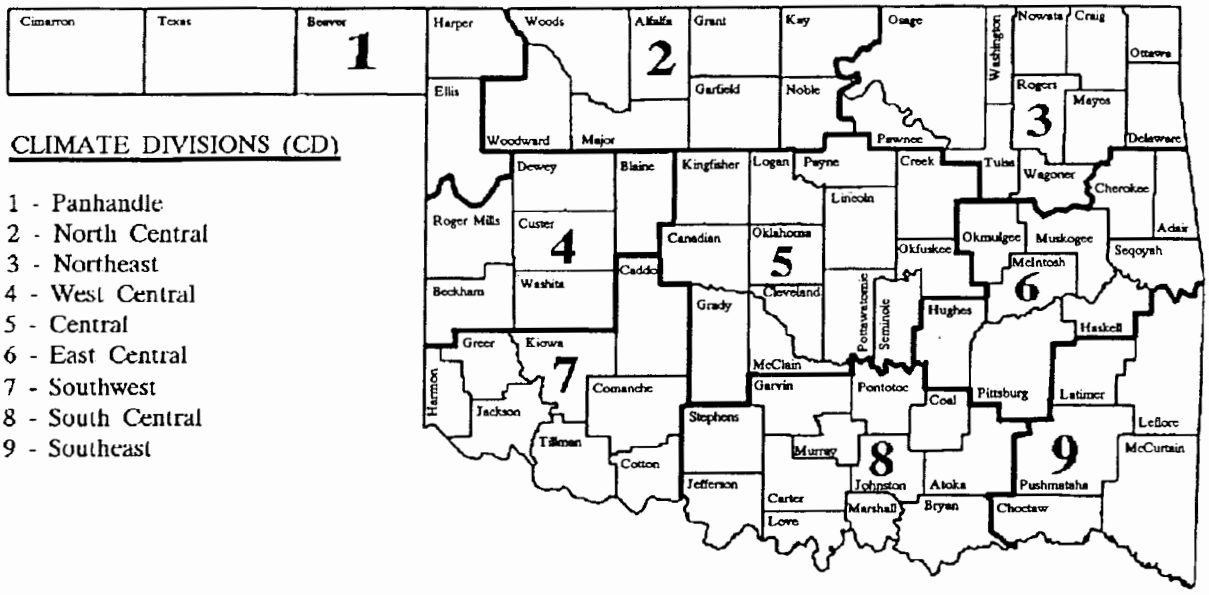
90-DAY NATIONAL WEATHER SERVICE OUTLOOK

(JULY 1994 - SEPTEMBER 1994)

Precipitation - Below Normal Statewide

Temperature - Above Normal Statewide

OKLAHOMA



CLIMATE DIVISIONS (CD)

1 - Panhandle
2 - North Central
3 - Northeast
4 - West Central
5 - Central
6 - East Central
7 - Southwest
8 - South Central
9 - Southeast

EXPLANATION OF TABLES

Two kinds of tables appear in this summary. The first is a set of tables containing all reporting stations grouped by climate division. The figure above shows the locations of the climate divisions. Each table contains the following information for each station:

Station Name:
Station Identification Number: These are usually assigned by the National Climatic Data Center.
Climate Division: See the figure above.
Number of Temperature Observations: These are the actual number of temperature reports recorded at the station during the current month. Missing observations may result in artificially high or low mean monthly temperatures.
Deviation from Normal: The deviation of the observed mean monthly temperature from the monthly station normal. A positive value indicates the month was warmer than normal. A negative value indicates the month was cooler than normal. Normal monthly temperatures may be calculated by subtracting the deviation from the observed temperature.
Maximum Daily Maximum: The maximum daily maximum temperature observed during the current month and year and the day which it occurred.
Minimum Daily Minimum: The minimum daily minimum temperature observed during the current month and year and the day which it occurred.
Heating Degree Days: HDD are calculated each day of the month for which there is a temperature report and the average temperature for the day is less than 65 degrees. Daily values are summed to arrive at a monthly total. They are a qualitative measure of how much heat was required to maintain a comfortable indoor temperature. Missing observations may result in an artificially high or low value. For February 1984 HDD would be calculated as:

$$\sum_{i=1}^{29} 65-((TMAX_i+TMIN_i)/2)$$

Deviation from Normal Heating Degree Days: A positive value indicates higher than normal heating requirements for the month as a whole. A negative value indicates lower than normal heating requirements for the month as a whole. Normal HDD may be calculated by subtracting the deviation from observed HDD.
Cooling Degree Days: CDD are calculated each day of the month for which there is a temperature report and the average temperature for the day exceeds 65 degrees. Daily values are summed to give a monthly total. They are a proxy measure of how much cooling was required to maintain a comfortable indoor temperature. Missing observations may result in an artificially high or low value. For June, CDD would be calculated as:

$$\sum_{i=1}^{30} ((TMAX_i+TMIN_i)/2)-65$$

Deviation from Normal Cooling Degree Days: A positive value indicates higher that normal cooling requirements for the month as a whole. A negative value indicates lower than normal cooling requirements for the month as a whole. Normal cooling degree days may be found by subtracting the deviation from the observed cooling degree days.

Total Precipitation: Often incorrectly referred to as mean precipitation, this value is the sum of all precipitation reported during the month at a station. If snow occurred, it is to be melted and its water equivalent recorded.

Number of Precipitation Observations: The number of days a rain or no-rain observation was reported. Missing observations frequently result in artificially low total precipitation values.

Deviation from Normal Precipitation: A positive value indicates more rain than normal was received. A negative value indicates less than was expected rainfall was received. Normal rainfall may be calculated by subtracting the deviation from monthly total.

Maximum 24-Hour Report and Day: The maximum amount of precipitation recorded during the station's 24-hour observation period for the current month and year and the day on which it was recorded.

The second set of tables contain similar information but are the average or extreme over all the stations reporting in each climate division.

OKLAHOMA CITY CLIMATE CALENDAR

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).

August 1994

Normal 1	Actual	Normal 2	Actual	Normal 3	Actual	Normal 4	Actual	Normal 5	Actual	Normal 6	Actual	Normal 7	Actual
93.3 max		93.0 max		93.9 max		92.5 max		94.0 max		94.6 max		93.8 max	
70.5 min		70.3 min		70.7 min		70.6 min		70.6 min		71.5 min		70.7 min	
.07 ppt		.03 ppt		.06 ppt		.09 ppt		.04 ppt		.11 ppt		.13 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		18 cdd		17 cdd	
Highest Max 108-1980		Highest Max 110-1980		Highest Max 106-1930		Highest Max 105-1918		Highest Max 106-1964		Highest Max 107-1951		Highest Max 107-1946	
Lowest Max 72-1950		Lowest Max 80-1898		Lowest Max 72-1907		Lowest Max 75-1978		Lowest Max 76-1920		Lowest Max 76-1971		Lowest Max 76-1989	
Lowest Min 58-1971		Lowest Min 57-1971		Lowest Min 59-1973		Lowest Min 58-1973		Lowest Min 55-1894		Lowest Min 56-1894		Lowest Min 57-1993	
Highest Min 83-1934		Highest Min 81-1932		Highest Min 80-1944		Highest Min 82-1980		Highest Min 80-1923		Highest Min 80-1980		Highest Min 82-1951	
Greatest ppt 1.52-1904		Greatest ppt 1.41-1894		Greatest ppt 1.82-1990		Greatest ppt 1.32-1985		Greatest ppt .60-1976		Greatest ppt 1.38-1965		Greatest ppt 2.15-1939	

Normal 8	Actual	Normal 9	Actual	Normal 10	Actual	Normal 11	Actual	Normal 12	Actual	Normal 13	Actual	Normal 14	Actual
93.1 max		93.0 max		92.6 max		92.5 max		92.8 max		93.0 max		92.4 max	
70.1 min		69.5 min		70.1 min		69.7 min		69.2 min		70.2 min		70.8 min	
.10 ppt		.15 ppt		.09 ppt		.02 ppt		.04 ppt		.11 ppt		.14 ppt	
0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd	
17 cdd		16 cdd		16 cdd		16 cdd		16 cdd		17 cdd		17 cdd	
Highest Max 106-1970		Highest Max 109-1936		Highest Max 112-1936		Highest Max 113-1936		Highest Max 110-1936		Highest Max 107-1936		Highest Max 106-1956	
Lowest Max 75-1912		Lowest Max 75-1927		Lowest Max 71-1989		Lowest Max 73-1968		Lowest Max 72-1920		Lowest Max 73-1989		Lowest Max 68-1989	
Lowest Min 54-1989		Lowest Min 58-1908		Lowest Min 62-1917		Lowest Min 58-1931		Lowest Min 56-1967		Lowest Min 54-1967		Lowest Min 60-1967	
Highest Min 82-1951		Highest Min 80-1970		Highest Min 81-1937		Highest Min 82-1936		Highest Min 83-1936		Highest Min 83-1936		Highest Min 79-1943	
Greatest ppt 2.60-1912		Greatest ppt 1.83-1915		Greatest ppt 1.18-1977		Greatest ppt 2.86-1892		Greatest ppt 1.85-1901		Greatest ppt 1.67-1989		Greatest ppt 1.93-1989	

Normal 15	Actual	Normal 16	Actual	Normal 17	Actual	Normal 18	Actual	Normal 19	Actual	Normal 20	Actual	Normal 21	Actual
92.6 max		93.6 max		93.1 max		92.3 max		90.9 max		91.7 max		92.6 max	
70.7 min		71.2 min		70.8 min		69.9 min		69.2 min		69.0 min		69.0 min	
.20 ppt		.05 ppt		.03 ppt		.13 ppt		.10 ppt		.08 ppt		.10 ppt	
0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd	
17 cdd		17 cdd		17 cdd		16 cdd		15 cdd		15 cdd		16 cdd	
Highest Max 107-1956		Highest Max 107-1956		Highest Max 108-1909		Highest Max 104-1918		Highest Max 106-1934		Highest Max 105-1911		Highest Max 105-1911	
Lowest Max 77-1942		Lowest Max 79-1964		Lowest Max 76-1932		Lowest Max 68-1992		Lowest Max 72-1915		Lowest Max 65-1950		Lowest Max 74-1920	
Lowest Min 59-1992		Lowest Min 60-1992		Lowest Min 61-1992		Lowest Min 57-1943		Lowest Min 55-1932		Lowest Min 56-1950		Lowest Min 51-1956	
Highest Min 81-1954		Highest Min 81-1934		Highest Min 82-1934		Highest Min 81-1934		Highest Min 80-1954		Highest Min 81-1934		Highest Min 81-1934	
Greatest ppt 2.69-1945		Greatest ppt 1.32-1981		Greatest ppt .93-1932		Greatest ppt 2.87-1966		Greatest ppt .87-1977		Greatest ppt 1.83-1983		Greatest ppt 1.20-1979	

Normal 22	Actual	Normal 23	Actual	Normal 24	Actual	Normal 25	Actual	Normal 26	Actual	Normal 27	Actual	Normal 28	Actual
91.7 max		91.4 max		92.1 max		91.9 max		92.3 max		91.7 max		90.4 max	
69.1 min		68.4 min		68.5 min		68.6 min		68.2 min		68.9 min		68.1 min	
.03 ppt		.06 ppt		.06 ppt		.02 ppt		.06 ppt		.07 ppt		.07 ppt	
0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd	
15 cdd		15 cdd		15 cdd		15 cdd		15 cdd		15 cdd		14 cdd	
Highest Max 104-1922		Highest Max 105-1980		Highest Max 107-1922		Highest Max 102-1988		Highest Max 104-1901		Highest Max 104-1982		Highest Max 103-1984	
Lowest Max 72-1920		Lowest Max 70-1956		Lowest Max 73-1966		Lowest Max 72-1934		Lowest Max 75-1944		Lowest Max 69-1987		Lowest Max 68-1988	
Lowest Min 56-1956		Lowest Min 49-1891		Lowest Min 50-1891		Lowest Min 58-1966		Lowest Min 53-1910		Lowest Min 52-1906		Lowest Min 56-1906	
Highest Min 80-1922		Highest Min 80-1988		Highest Min 78-1936		Highest Min 78-1936		Highest Min 78-1936		Highest Min 78-1963		Highest Min 80-1951	
Greatest ppt 3.17-1934		Greatest ppt 2.27-1924		Greatest ppt 1.11-1918		Greatest ppt 1.81-1934		Greatest ppt 1.16-1896		Greatest ppt 1.53-1941		Greatest ppt 1.44-1900	

Normal 29	Actual	Normal 30	Actual	Normal 31	Actual
90.8 max		91.5 max		89.6 max	
68.0 min		68.3 min		67.7 min	
.07 ppt		.04 ppt		.16 ppt	
0 hdd		0 hdd		0 hdd	
14 cdd		15 cdd		14 cdd	
Highest Max 106-1984		Highest Max 105-1947		Highest Max 104-1990	
Lowest Max 70-1968		Lowest Max 70-1915		Lowest Max 67-1993	
Lowest Min 50-1893		Lowest Min 49-1915		Lowest Min 51-1915	
Highest Min 79-1951		Highest Min 78-1947		Highest Min 79-1980	
Greatest ppt 2.33-1935		Greatest ppt 1.32-1928		Greatest ppt 2.35-1966	

AUGUST AVERAGES

TEMPERATURE	:	81.0°F
PRECIPITATION	:	2.51"
HEATING DEGREE DAYS	:	0
COOLING DEGREE DAYS	:	495

TULSA CLIMATE CALENDAR

August 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
93.0 max		94.0 max		94.0 max		93.0 max		95.0 max		95.0 max		95.0 max	
72.0 min		72.0 min		71.0 min		71.0 min		71.0 min		72.0 min		72.0 min	
.07 ppt		.03 ppt		.02 ppt		.08 ppt		.03 ppt		.06 ppt		.08 ppt	
0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd	
18 cdd		18 cdd		18 cdd		17 cdd		18 cdd		19 cdd		18 cdd	
Highest Max	110-1923	Highest Max	108-1980	Highest Max	110-1923	Highest Max	111-1923	Highest Max	110-1964	Highest Max	109-1956	Highest Max	109-1935
Lowest Max	76-1950	Lowest Max	82-1976	Lowest Max	82-1971	Lowest Max	72-1978	Lowest Max	82-1948	Lowest Max	70-1948	Lowest Max	78-1989
Lowest Min	59-1925	Lowest Min	57-1971	Lowest Min	57-1976	Lowest Min	52-1920	Lowest Min	57-1920	Lowest Min	60-1920	Lowest Min	60-1920
Highest Min	86-1980	Highest Min	84-1980	Highest Min	81-1987	Highest Min	84-1980	Highest Min	82-1980	Highest Min	82-1980	Highest Min	81-1980
Greatest ppt	.82-1958	Greatest ppt	.62-1978	Greatest ppt	.50-1981	Greatest ppt	2.03-1957	Greatest ppt	.89-1992	Greatest ppt	.97-1981	Greatest ppt	1.01-1954

Normal 8	Actual	Normal 9	Actual	Normal 10	Actual	Normal 11	Actual	Normal 12	Actual	Normal 13	Actual	Normal 14	Actual
94.0 max		93.0 max		93.0 max		93.0 max		93.0 max		94.0 max		92.0 max	
72.0 min		71.0 min		71.0 min		71.0 min		70.0 min		71.0 min		71.0 min	
.16 ppt		.18 ppt		.18 ppt		.05 ppt		.07 ppt		.15 ppt		.25 ppt	
0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd	
18 cdd		17 cdd		17 cdd		17 cdd		17 cdd		18 cdd		17 cdd	
Highest Max	111-1935	Highest Max	114-1936	Highest Max	115-1936	Highest Max	114-1936	Highest Max	113-1936	Highest Max	114-1936	Highest Max	110-1923
Lowest Max	81-1989	Lowest Max	79-1974	Lowest Max	82-1986	Lowest Max	74-1968	Lowest Max	79-1968	Lowest Max	74-1961	Lowest Max	70-1961
Lowest Min	57-1989	Lowest Min	59-1989	Lowest Min	55-1920	Lowest Min	58-1931	Lowest Min	62-1957	Lowest Min	54-1957	Lowest Min	53-1920
Highest Min	82-1970	Highest Min	80-1980	Highest Min	81-1980	Highest Min	80-1983	Highest Min	80-1987	Highest Min	84-1980	Highest Min	83-1980
Greatest ppt	2.43-1973	Greatest ppt	2.65-1974	Greatest ppt	2.19-1979	Greatest ppt	1.00-1992	Greatest ppt	1.30-1948	Greatest ppt	1.37-1949	Greatest ppt	1.95-1948

Normal 15	Actual	Normal 16	Actual	Normal 17	Actual	Normal 18	Actual	Normal 19	Actual	Normal 20	Actual	Normal 21	Actual
93.0 max		93.0 max		93.0 max		93.0 max		92.0 max		92.0 max		92.0 max	
71.0 min		71.0 min		71.0 min		71.0 min		70.0 min		69.0 min		69.0 min	
.20 ppt		.08 ppt		.11 ppt		.07 ppt		.05 ppt		.10 ppt		.08 ppt	
0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd	
17 cdd		18 cdd		18 cdd		17 cdd		16 cdd		16 cdd		16 cdd	
Highest Max	109-1936	Highest Max	109-1956	Highest Max	109-1909	Highest Max	109-1918	Highest Max	108-1934	Highest Max	106-1935	Highest Max	106-1936
Lowest Max	72-1951	Lowest Max	77-1964	Lowest Max	74-1957	Lowest Max	81-1981	Lowest Max	75-1977	Lowest Max	66-1950	Lowest Max	80-1950
Lowest Min	57-1929	Lowest Min	57-1992	Lowest Min	53-1920	Lowest Min	54-1943	Lowest Min	56-1932	Lowest Min	53-1967	Lowest Min	54-1950
Highest Min	83-1954	Highest Min	82-1983	Highest Min	84-1956	Highest Min	82-1954	Highest Min	80-1980	Highest Min	78-1983	Highest Min	80-1987
Greatest ppt	2.19-1969	Greatest ppt	1.42-1957	Greatest ppt	1.35-1970	Greatest ppt	.74-1960	Greatest ppt	.73-1987	Greatest ppt	5.37-1989	Greatest ppt	1.31-1966

Normal 22	Actual	Normal 23	Actual	Normal 24	Actual	Normal 25	Actual	Normal 26	Actual	Normal 27	Actual	Normal 28	Actual
91.0 max		91.0 max		92.0 max		92.0 max		92.0 max		92.0 max		91.0 max	
69.0 min		69.0 min		69.0 min		69.0 min		69.0 min		69.0 min		68.0 min	
.08 ppt		.05 ppt		.07 ppt		.02 ppt		.07 ppt		.08 ppt		.19 ppt	
0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd		0 hdd	
15 cdd		15 cdd		16 cdd		16 cdd		16 cdd		16 cdd		15 cdd	
Highest Max	105-1936	Highest Max	108-1936	Highest Max	107-1936	Highest Max	105-1978	Highest Max	104-1978	Highest Max	105-1913	Highest Max	104-1963
Lowest Max	72-1961	Lowest Max	68-1966	Lowest Max	79-1966	Lowest Max	83-1985	Lowest Max	76-1954	Lowest Max	70-1987	Lowest Max	70-1988
Lowest Min	50-1920	Lowest Min	51-1920	Lowest Min	53-1920	Lowest Min	57-1966	Lowest Min	52-1910	Lowest Min	50-1910	Lowest Min	53-1967
Highest Min	77-1987	Highest Min	79-1993	Highest Min	80-1993	Highest Min	80-1983	Highest Min	81-1978	Highest Min	80-1983	Highest Min	82-1990
Greatest ppt	1.14-1971	Greatest ppt	1.11-1977	Greatest ppt	2.18-1972	Greatest ppt	.63-1975	Greatest ppt	1.91-1987	Greatest ppt	1.00-1974	Greatest ppt	2.12-1964

Normal 29	Actual	Normal 30	Actual	Normal 31	Actual
91.0 max		91.0 max		90.0 max	
69.0 min		69.0 min		69.0 min	
.10 ppt		.03 ppt		.15 ppt	
0 hdd		0 hdd		0 hdd	
15 cdd		15 cdd		14 cdd	
Highest Max	107-1984	Highest Max	107-1947	Highest Max	106-1951
Lowest Max	70-1974	Lowest Max	72-1968	Lowest Max	74-1986
Lowest Min	51-1931	Lowest Min	50-1915	Lowest Min	48-1915
Highest Min	79-1984	Highest Min	79-1983	Highest Min	84-1980
Greatest ppt	2.36-1955	Greatest ppt	.71-1991	Greatest ppt	1.86-1962

AUGUST AVERAGES

TEMPERATURE	:	**81.5°F**
PRECIPITATION	:	**2.94"**
HEATING DEGREE DAYS	:	**0**
COOLING DEGREE DAYS	:	**518**