

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.

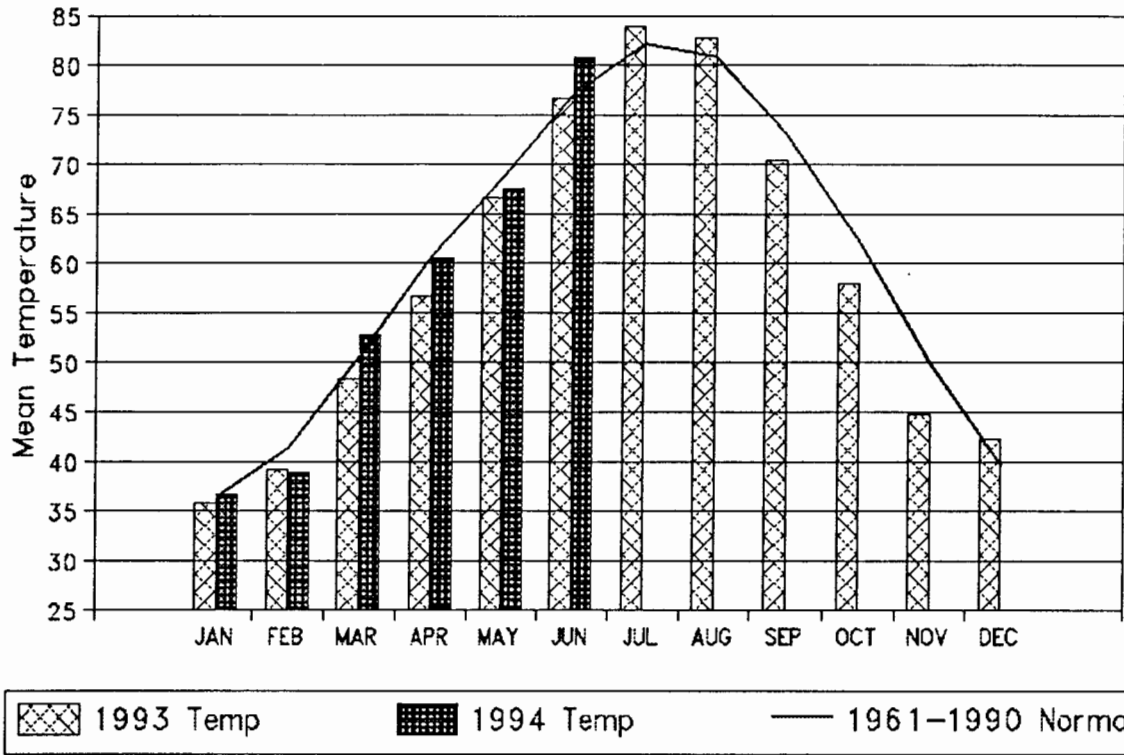
Extreme heat settled in over western Oklahoma about mid-month. Occasional afternoon and evening thunderstorms offered some relief in central Oklahoma while many parts of the east escaped the oppressive heat altogether. Two golfers were killed when they were struck by lightning during a sudden thunderstorm 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., tying the all time state high temperature record first established in July 1936 and last tied in 1943.

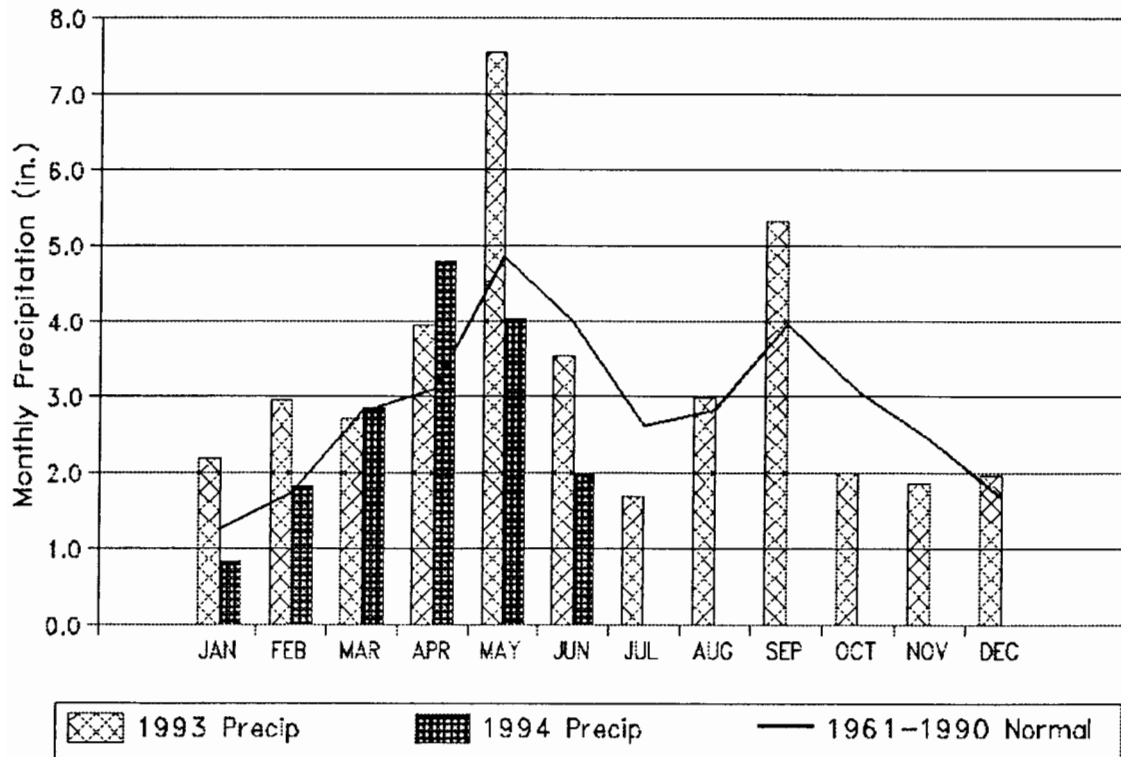
A round of thunderstorms on the 29th and 30th brought some relief from the heat in the west but also brought large hail in many areas and gusts in excess of 80 miles per hour in Texas and Comanche counties.

Howard L. Johnson

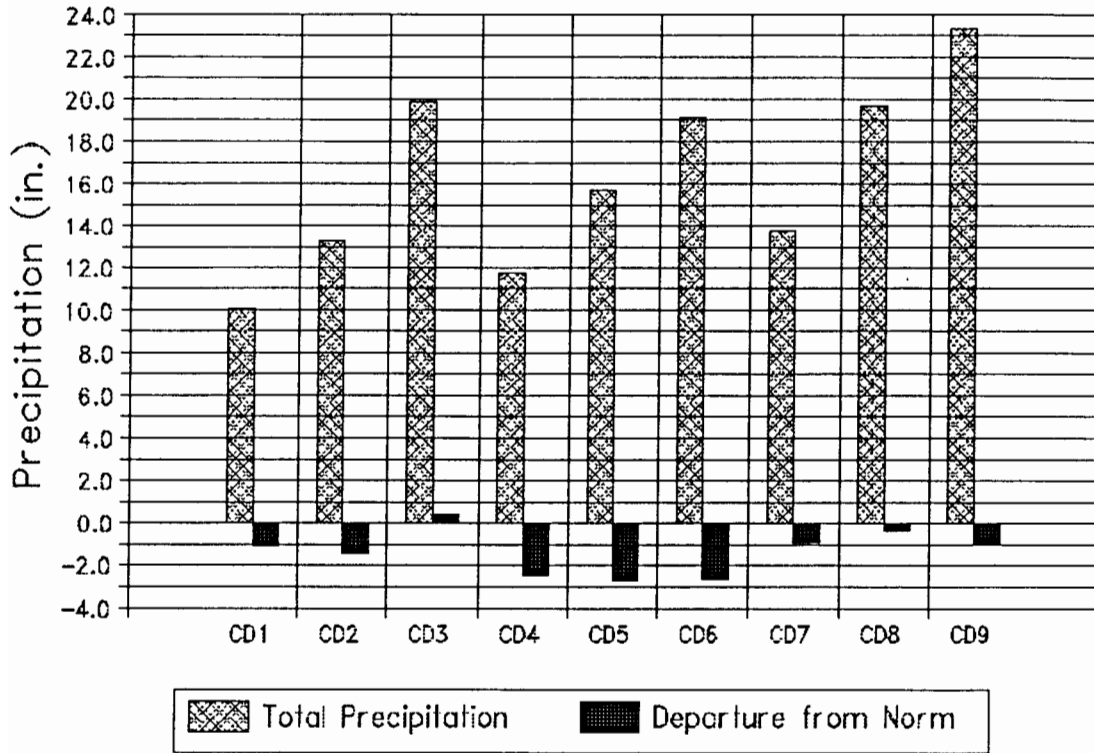
1993 and 1994 STATEWIDE TEMPERATURES Monthly Averages



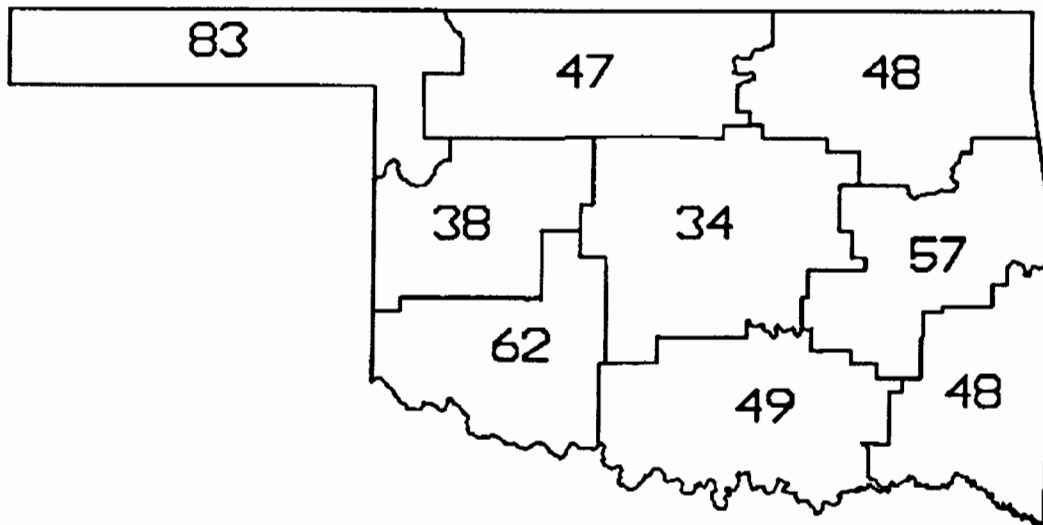
1993 and 1994 STATEWIDE PRECIPITATION Monthly Totals



CD Averaged Precipitation January through June 1994



CD PERCENT OF NORMAL PRECIPITATION



JUNE 1994

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

CD	MAX			MIN			24-HOUR			MONTHLY	
	TEMP	DATE	LOCATION	TEMP	DATE	LOCATION	PRECIP	DATE	LOCATION	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								
	101	29	WILBURTON								

TABLE OF 1993/1994 COMPARISONS

Station	JUNE Temperature (°F)		JUNE Precipitation (in.)	
	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
	Mangum	7	3.78"	4
Maximum 24-hour precipitation	Mangum	7	3.78"	4

JUNE 1994 SUMMARY FOR NORTHWEST DIVISION (CD1)

NAME	ID	CD	DEV						HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	TEMP DAY							FROM NORM	MAX 24-HR		
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	DEV						HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	TEMP DAY							FROM NORM	MAX 24-HR		
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	DEV						HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		24-HR DAY	
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN TEMP	DAY							FROM NORM	MAX		
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
PAWYUSKA	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
WYONONA	9792	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.183	30	*****	1.47	8

JUNE 1994 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	CD	DEV						HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		24-HR DAY	
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN TEMP	DAY							FROM NORM	MAX		
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
LEEDY	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 SOUTHWEST DIVISION (CD7)

NAME	ID	CD	DEV				MIN	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY	
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP												
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
ROSEVELT	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)

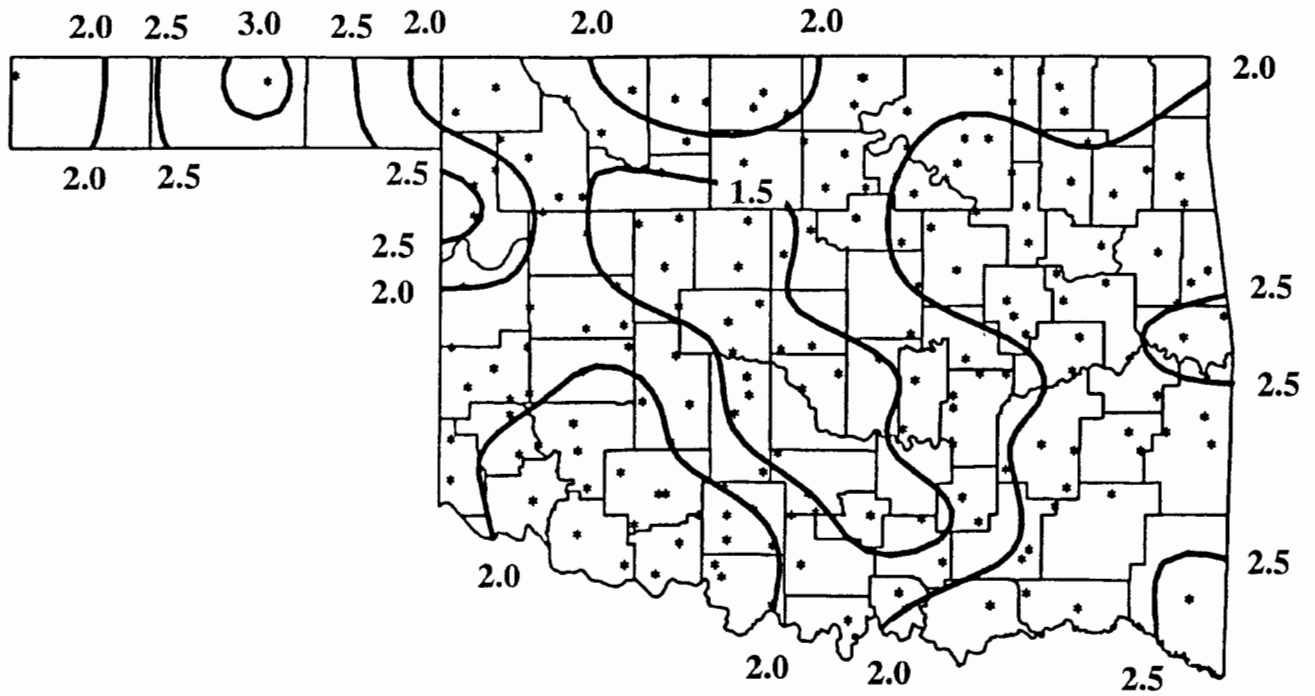
NAME	ID	CD	DEV				MIN	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY	
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP												
ADA	17	8	80.0	30	3.1	98.	29	64.	6	.0	.0	449.0	92.0	1.001	30	-3.10	.37	16
ALLEN	147	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	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)

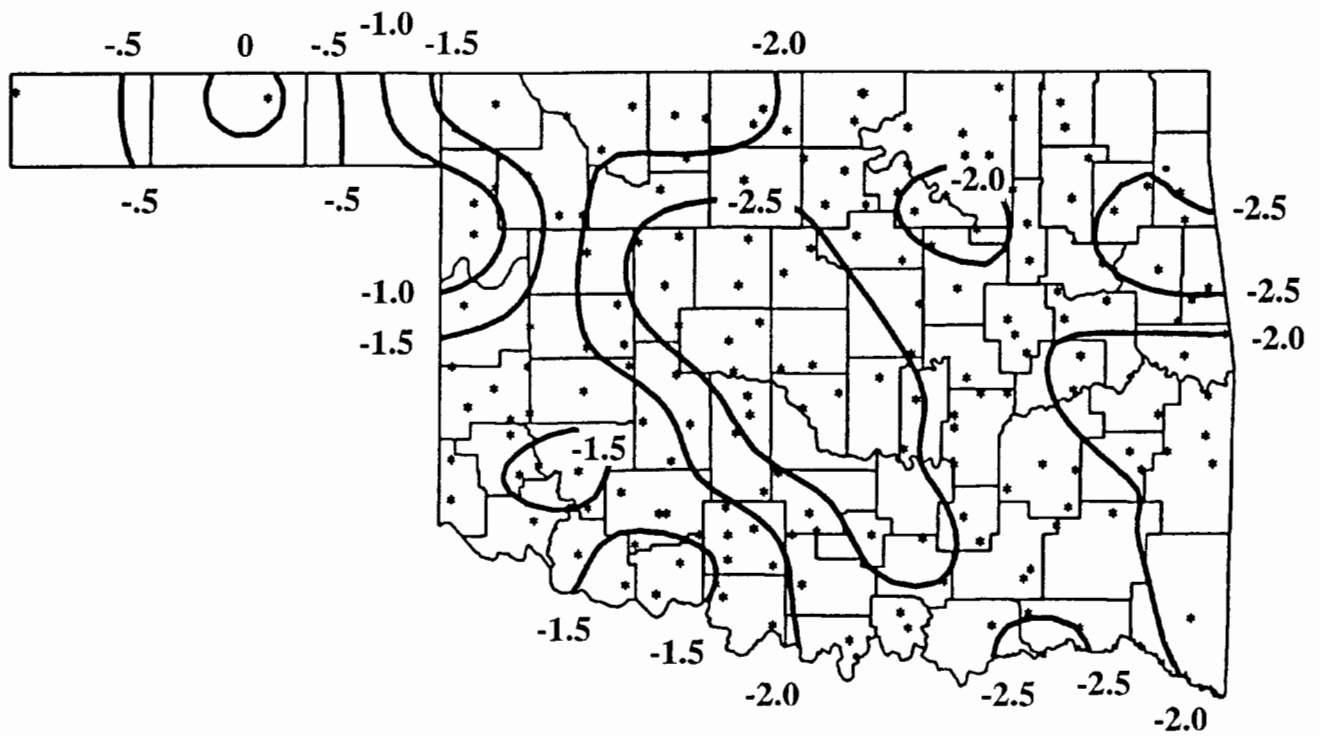
NAME	ID	CD	DEV						HEAT		DEV		COOL		DEV		DEV	
			MEAN	NUM	FROM	MAX	MIN	DAY	DEG	FROM	DEG	FROM	TOT	NUM	FROM	MAX	24-HR	DAY
			TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM	PPT	OBS	NORM	MAX	
ANTLERS	256	9	79.8	30	2.6	97.	29	64.	1	.0	.0	443.0	77.0	2.000	30	-2.48	.70	9
BATTIEST 1 SSW	567	9	76.1	30	*****	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
FANSHAW	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

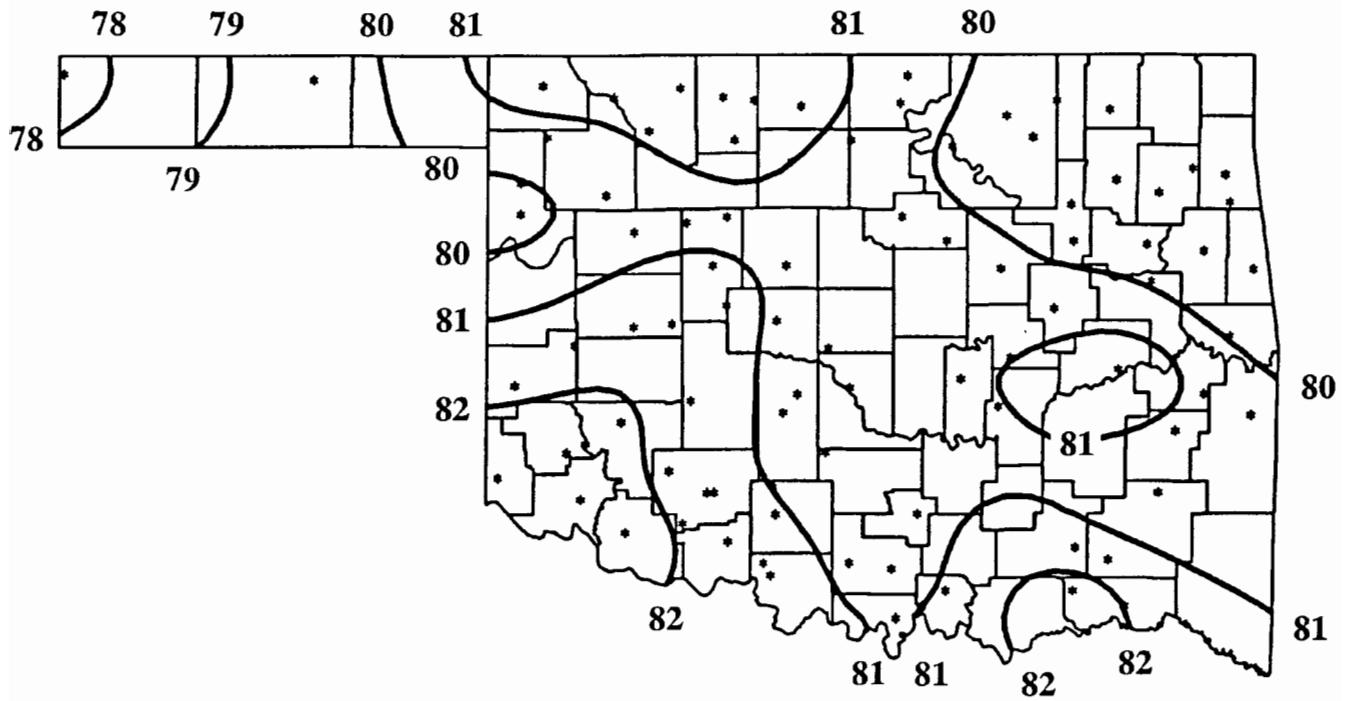
CLIMATE	MEAN	NUM	DEV			MIN	DAY	HEAT	DEV	COOL	DEV	TOT	NUM	DEV		
			FROM	MAX	DAY									DEGREE	FROM	DEGREE
DIV	TEMP	STA	NORM	TEMP	DAY	TEMP	DAY	DAYS	NORM	DAYS	NORM	PPT	STA	NORM	24-HR	DAY
1	79.7	11	5.0	112.0	26	52.0	16	.0	-5.2	441.4	143.7	2.41	14	-.60	3.22	11
2	81.1	14	3.8	109.0	26	57.0	25	.0	-.4	480.4	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



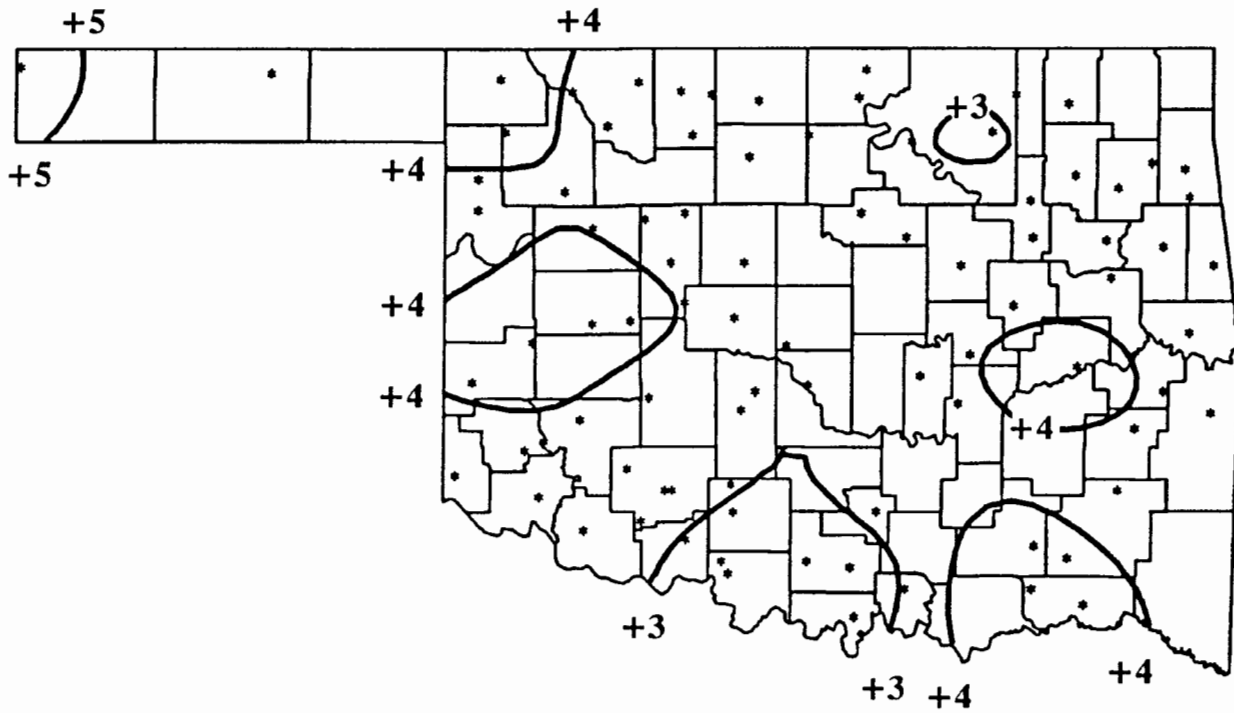
JUNE 1994 TOTAL PRECIPITATION
(Inches)



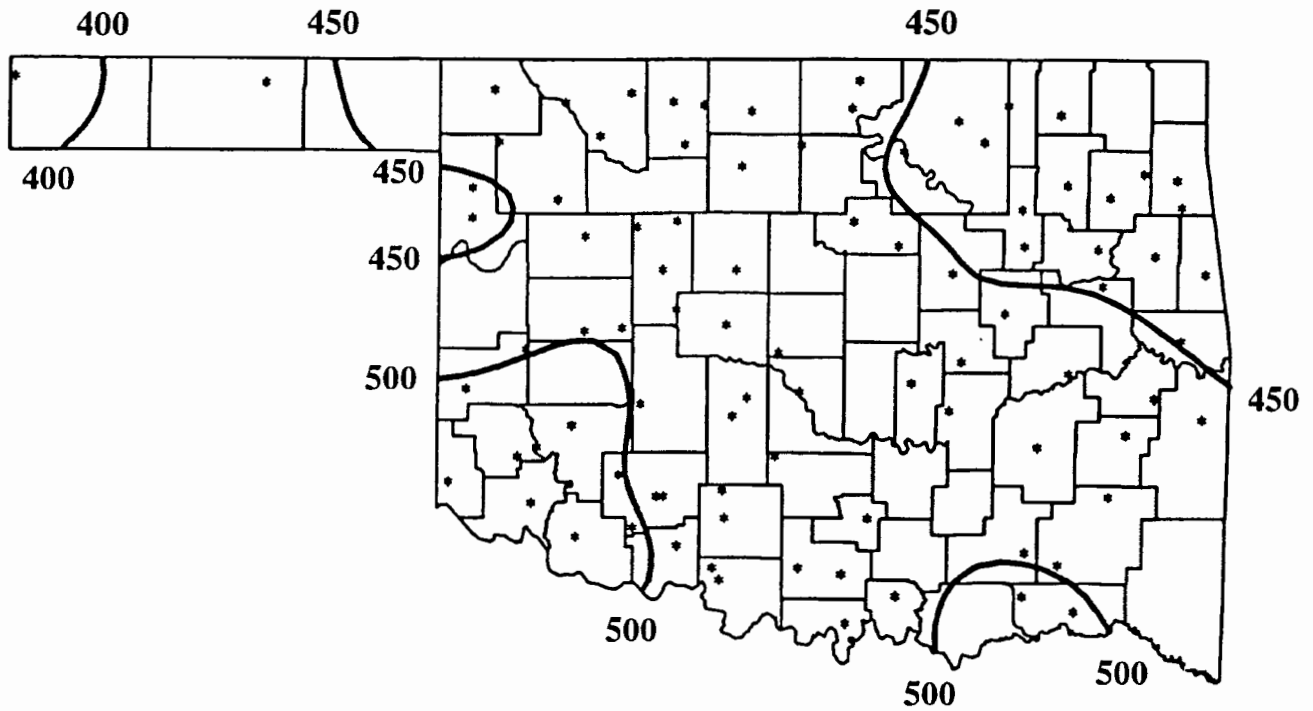
JUNE 1994 DEVIATION FROM NORMAL PRECIPITATION
(Inches)



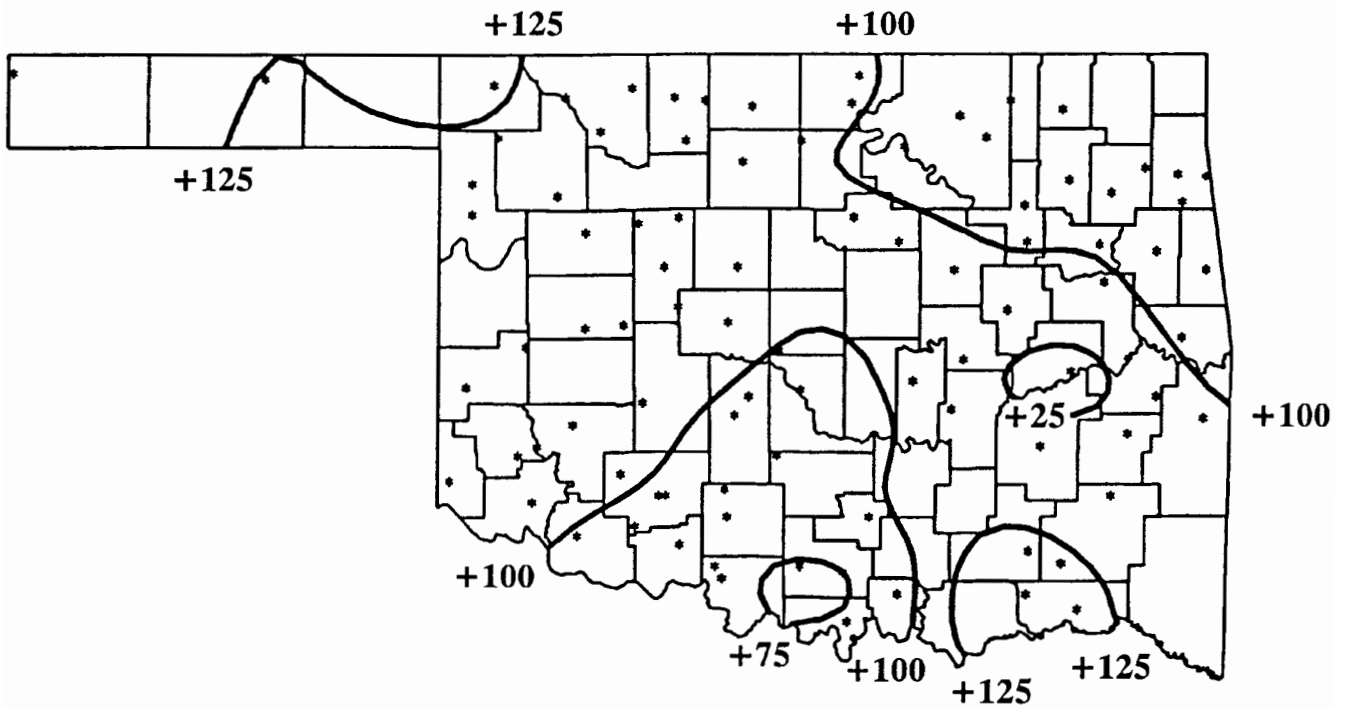
**JUNE 1994 AVERAGE MONTHLY TEMPERATURES
(Degrees F)**



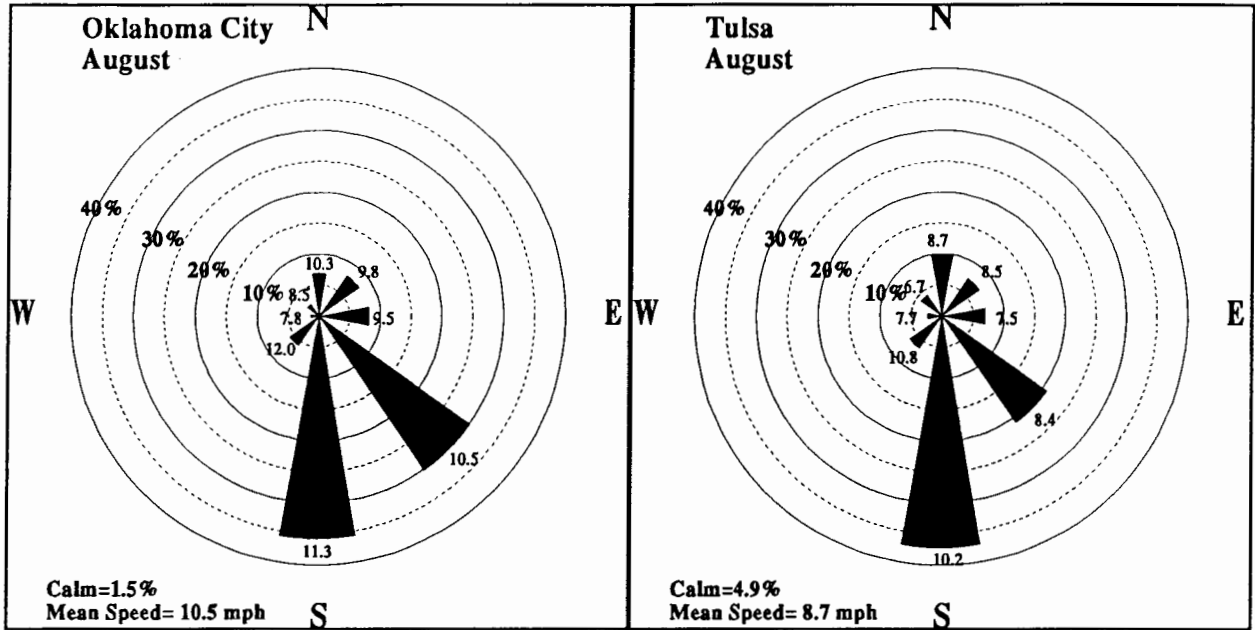
**JUNE 1994 DEVIATION FROM NORMAL TEMPERATURES
(Degrees F)**



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.

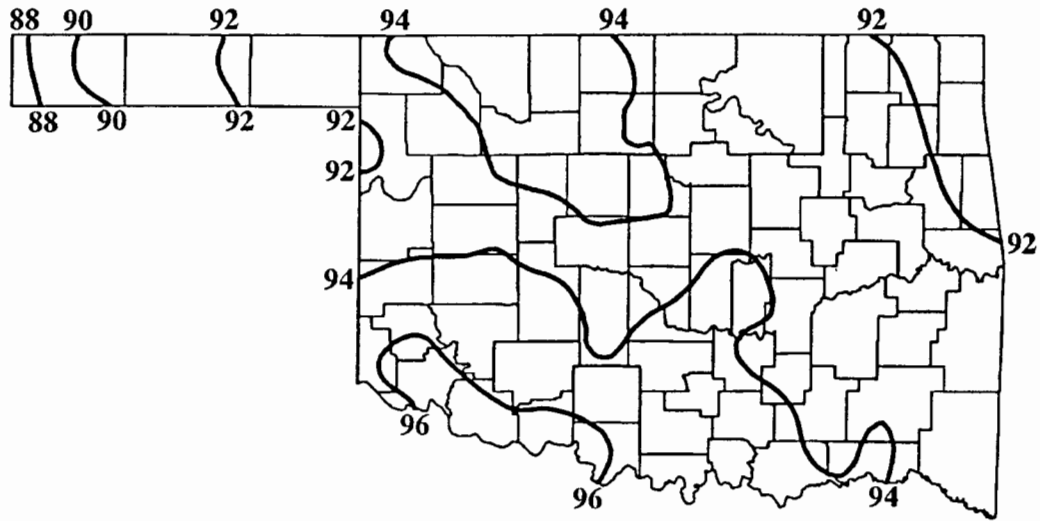
AUGUST 1994 SUNRISE AND SUNSET

OKLAHOMA CITY

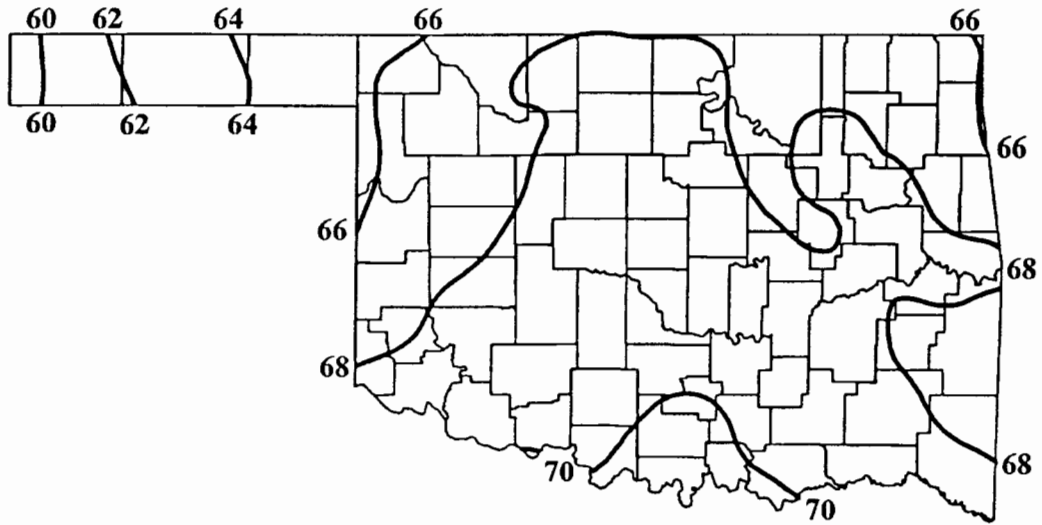
DATE	SUNRISE	SUNSET	DAYLIGHT
94 8 1	6:39AM	8:34PM CDT	13 hrs 55 mins
94 8 2	6:40AM	8:34PM CDT	13 hrs 54 mins
94 8 3	6:41AM	8:33PM CDT	13 hrs 52 mins
94 8 4	6:41AM	8:32PM CDT	13 hrs 51 mins
94 8 5	6:42AM	8:31PM CDT	13 hrs 49 mins
94 8 6	6:43AM	8:30PM CDT	13 hrs 47 mins
94 8 7	6:43AM	8:29PM CDT	13 hrs 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 8 10	6:46AM	8:26PM CDT	13 hrs 41 mins
94 8 11	6:46AM	8:25PM CDT	13 hrs 39 mins
94 8 12	6:47AM	8:24PM CDT	13 hrs 37 mins
94 8 13	6:48AM	8:23PM CDT	13 hrs 35 mins
94 8 14	6:49AM	8:22PM CDT	13 hrs 33 mins
94 8 15	6:49AM	8:21PM CDT	13 hrs 31 mins
94 8 16	6:50AM	8:20PM CDT	13 hrs 30 mins
94 8 17	6:51AM	8:18PM CDT	13 hrs 28 mins
94 8 18	6:51AM	8:17PM CDT	13 hrs 26 mins
94 8 19	6:52AM	8:16PM CDT	13 hrs 24 mins
94 8 20	6:53AM	8:15PM CDT	13 hrs 22 mins
94 8 21	6:54AM	8:14PM CDT	13 hrs 20 mins
94 8 22	6:54AM	8:12PM CDT	13 hrs 18 mins
94 8 23	6:55AM	8:11PM CDT	13 hrs 16 mins
94 8 24	6:56AM	8:10PM CDT	13 hrs 14 mins
94 8 25	6:57AM	8: 9PM CDT	13 hrs 12 mins
94 8 26	6:57AM	8: 7PM CDT	13 hrs 10 mins
94 8 27	6:58AM	8: 6PM CDT	13 hrs 8 mins
94 8 28	6:59AM	8: 5PM CDT	13 hrs 6 mins
94 8 29	6:59AM	8: 3PM CDT	13 hrs 4 mins
94 8 30	7: 0AM	8: 2PM CDT	13 hrs 2 mins
94 8 31	7: 1AM	8: 1PM CDT	13 hrs 0 mins

TULSA

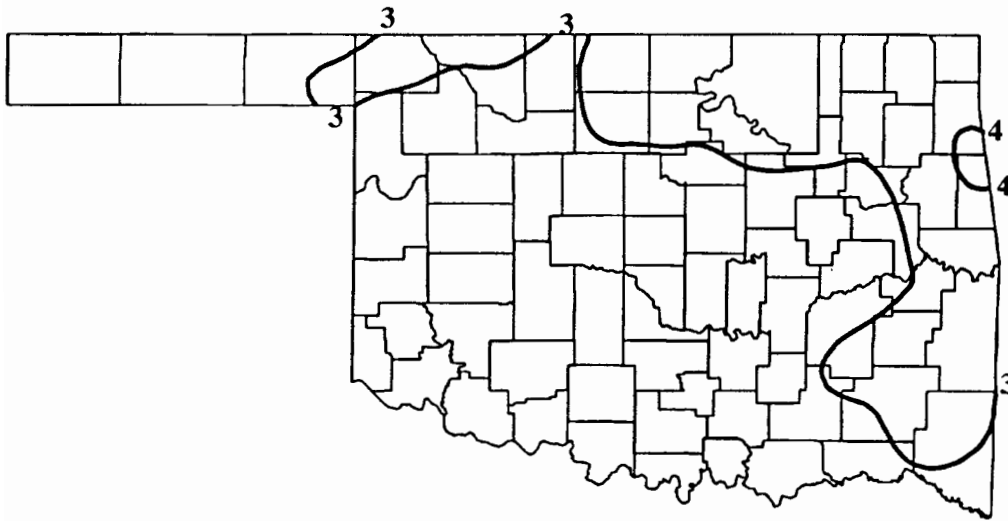
DATE	SUNRISE	SUNSET	DAYLIGHT
94 8 1	6:31AM	8:29PM CDT	13 hrs 59 mins
94 8 2	6:31AM	8:28PM CDT	13 hrs 57 mins
94 8 3	6:32AM	8:28PM CDT	13 hrs 55 mins
94 8 4	6:33AM	8:27PM CDT	13 hrs 54 mins
94 8 5	6:34AM	8:26PM CDT	13 hrs 52 mins
94 8 6	6:34AM	8:25PM CDT	13 hrs 50 mins
94 8 7	6:35AM	8:24PM CDT	13 hrs 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 8 10	6:37AM	8:21PM CDT	13 hrs 43 mins
94 8 11	6:38AM	8:20PM CDT	13 hrs 42 mins
94 8 12	6:39AM	8:19PM CDT	13 hrs 40 mins
94 8 13	6:40AM	8:18PM CDT	13 hrs 38 mins
94 8 14	6:40AM	8:16PM CDT	13 hrs 36 mins
94 8 15	6:41AM	8:15PM CDT	13 hrs 34 mins
94 8 16	6:42AM	8:14PM CDT	13 hrs 32 mins
94 8 17	6:43AM	8:13PM CDT	13 hrs 30 mins
94 8 18	6:44AM	8:12PM CDT	13 hrs 28 mins
94 8 19	6:44AM	8:10PM CDT	13 hrs 26 mins
94 8 20	6:45AM	8: 9PM CDT	13 hrs 24 mins
94 8 21	6:46AM	8: 8PM CDT	13 hrs 22 mins
94 8 22	6:47AM	8: 7PM CDT	13 hrs 20 mins
94 8 23	6:47AM	8: 5PM CDT	13 hrs 18 mins
94 8 24	6:48AM	8: 4PM CDT	13 hrs 16 mins
94 8 25	6:49AM	8: 3PM CDT	13 hrs 14 mins
94 8 26	6:50AM	8: 1PM CDT	13 hrs 12 mins
94 8 27	6:50AM	8: 0PM CDT	13 hrs 10 mins
94 8 28	6:51AM	7:59PM CDT	13 hrs 8 mins
94 8 29	6:52AM	7:57PM CDT	13 hrs 6 mins
94 8 30	6:53AM	7:56PM CDT	13 hrs 3 mins
94 8 31	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)

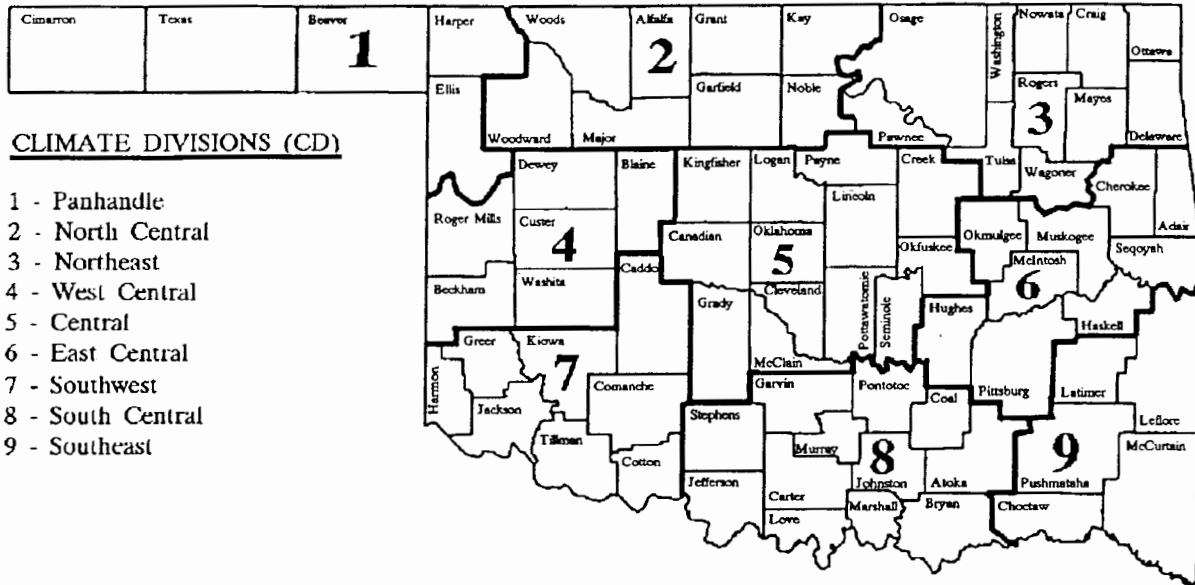
90-DAY NATIONAL WEATHER SERVICE OUTLOOK

(JULY 1994 - SEPTEMBER 1994)

Precipitation - Below Normal Statewide

Temperature - Above Normal Statewide

OKLAHOMA



EXPLANATION OF TABLES

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

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

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

Deviation from Normal Heating Degree Days: A positive value indicates higher than normal heating requirements for the month as a whole. A negative value indicates lower than normal heating requirements for the month as a whole. Normal HDD may be calculated by subtracting the deviation from observed HDD.

Cooling Degree Days: CDD are calculated each day of the month for which there is a temperature report and the average temperature for the day exceeds 65 degrees. Daily values are summed to give a monthly total. They are a proxy measure of how much cooling was required to maintain a comfortable indoor temperature. Missing observations may result in an artificially high or low value. For June, CDD would be calculated as:

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

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

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

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

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

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

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

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.

TULSA CLIMATE CALENDAR

August 1994

Normal 1	Actual	Normal 2	Actual	Normal 3	Actual	Normal 4	Actual	Normal 5	Actual	Normal 6	Actual	Normal 7	Actual	
93.0 max 72.0 min .07 ppt 0 hdd 18 cdd Highest Max 110-1923 Lowest Max 76-1950 Lowest Min 59-1925 Highest Min 86-1980 Greatest ppt .82-1958		94.0 max 72.0 min .03 ppt 0 hdd 18 cdd Highest Max 108-1980 Lowest Max 82-1976 Lowest Min 57-1971 Highest Min 84-1980 Greatest ppt .62-1978		94.0 max 71.0 min .02 ppt 0 hdd 18 cdd Highest Max 110-1923 Lowest Max 82-1971 Lowest Min 57-1976 Highest Min 81-1987 Greatest ppt .50-1981		93.0 max 71.0 min .08 ppt 0 hdd 17 cdd Highest Max 111-1923 Lowest Max 82-1978 Lowest Min 52-1920 Highest Min 84-1980 Greatest ppt 2.03-1957		95.0 max 71.0 min .03 ppt 0 hdd 18 cdd Highest Max 110-1964 Lowest Max 82-1948 Lowest Min 57-1920 Highest Min 82-1980 Greatest ppt .89-1992		95.0 max 72.0 min .06 ppt 0 hdd 19 cdd Highest Max 109-1956 Lowest Max 70-1948 Lowest Min 60-1920 Highest Min 82-1980 Greatest ppt .97-1981		95.0 max 72.0 min .08 ppt 0 hdd 18 cdd Highest Max 109-1956 Lowest Max 70-1948 Lowest Min 60-1920 Highest Min 82-1980 Greatest ppt 1.01-1954		95.0 max 72.0 min .08 ppt 0 hdd 18 cdd Highest Max 109-1956 Lowest Max 70-1948 Lowest Min 60-1920 Highest Min 82-1980 Greatest ppt 1.01-1954
Normal 8 94.0 max 72.0 min .16 ppt 0 hdd 18 cdd Highest Max 111-1935 Lowest Max 81-1989 Lowest Min 57-1989 Highest Min 82-1970 Greatest ppt 2.43-1973	Actual	Normal 9 93.0 max 71.0 min .18 ppt 0 hdd 17 cdd Highest Max 114-1936 Lowest Max 79-1974 Lowest Min 59-1989 Highest Min 80-1980 Greatest ppt 2.65-1974	Actual	Normal 10 93.0 max 71.0 min .18 ppt 0 hdd 17 cdd Highest Max 115-1936 Lowest Max 82-1986 Lowest Min 55-1920 Highest Min 81-1980 Greatest ppt 2.19-1979	Actual	Normal 11 93.0 max 71.0 min .05 ppt 0 hdd 17 cdd Highest Max 114-1936 Lowest Max 74-1968 Lowest Min 58-1931 Highest Min 80-1983 Greatest ppt 1.00-1992	Actual	Normal 12 93.0 max 70.0 min .07 ppt 0 hdd 17 cdd Highest Max 113-1936 Lowest Max 79-1968 Lowest Min 62-1967 Highest Min 80-1987 Greatest ppt 1.30-1949	Actual	Normal 13 94.0 max 71.0 min .15 ppt 0 hdd 18 cdd Highest Max 114-1936 Lowest Max 74-1961 Lowest Min 54-1967 Highest Min 84-1980 Greatest ppt 1.37-1949	Actual	Normal 14 92.0 max 71.0 min .25 ppt 0 hdd 17 cdd Highest Max 110-1923 Lowest Max 70-1961 Lowest Min 53-1920 Highest Min 83-1980 Greatest ppt 1.95-1948	Actual	
Normal 15 93.0 max 71.0 min .20 ppt 0 hdd 17 cdd Highest Max 109-1936 Lowest Max 72-1991 Lowest Min 57-1929 Highest Min 83-1954 Greatest ppt 2.19-1969	Actual	Normal 16 93.0 max 71.0 min .08 ppt 0 hdd 18 cdd Highest Max 109-1956 Lowest Max 77-1964 Lowest Min 57-1992 Highest Min 82-1983 Greatest ppt 1.42-1957	Actual	Normal 17 93.0 max 71.0 min .11 ppt 0 hdd 18 cdd Highest Max 109-1909 Lowest Max 74-1957 Lowest Min 53-1920 Highest Min 84-1956 Greatest ppt 1.35-1970	Actual	Normal 18 93.0 max 71.0 min .07 ppt 0 hdd 17 cdd Highest Max 109-1919 Lowest Max 81-1991 Lowest Min 54-1943 Highest Min 82-1954 Greatest ppt .74-1960	Actual	Normal 19 92.0 max 70.0 min .05 ppt 0 hdd 16 cdd Highest Max 108-1934 Lowest Max 75-1977 Lowest Min 56-1932 Highest Min 80-1980 Greatest ppt .73-1987	Actual	Normal 20 92.0 max 69.0 min .10 ppt 0 hdd 16 cdd Highest Max 106-1935 Lowest Max 66-1950 Lowest Min 53-1967 Highest Min 78-1983 Greatest ppt 5.37-1989	Actual	Normal 21 92.0 max 69.0 min .08 ppt 0 hdd 16 cdd Highest Max 106-1936 Lowest Max 80-1950 Lowest Min 54-1950 Highest Min 80-1987 Greatest ppt 1.31-1966	Actual	
Normal 22 91.0 max 69.0 min .08 ppt 0 hdd 15 cdd Highest Max 105-1936 Lowest Max 72-1981 Lowest Min 50-1920 Highest Min 77-1987 Greatest ppt 1.14-1971	Actual	Normal 23 91.0 max 69.0 min .05 ppt 0 hdd 15 cdd Highest Max 108-1936 Lowest Max 68-1966 Lowest Min 51-1920 Highest Min 78-1993 Greatest ppt 1.11-1977	Actual	Normal 24 92.0 max 69.0 min .07 ppt 0 hdd 16 cdd Highest Max 107-1936 Lowest Max 79-1966 Lowest Min 53-1920 Highest Min 80-1993 Greatest ppt 2.18-1972	Actual	Normal 25 92.0 max 69.0 min .02 ppt 0 hdd 16 cdd Highest Max 105-1978 Lowest Max 83-1985 Lowest Min 57-1966 Highest Min 80-1983 Greatest ppt .63-1975	Actual	Normal 26 92.0 max 69.0 min .07 ppt 0 hdd 16 cdd Highest Max 104-1978 Lowest Max 76-1964 Lowest Min 52-1910 Highest Min 81-1978 Greatest ppt 1.91-1987	Actual	Normal 27 92.0 max 69.0 min .08 ppt 0 hdd 16 cdd Highest Max 105-1913 Lowest Max 70-1987 Lowest Min 50-1910 Highest Min 80-1989 Greatest ppt 1.00-1974	Actual	Normal 28 91.0 max 68.0 min .19 ppt 0 hdd 15 cdd Highest Max 104-1943 Lowest Max 70-1988 Lowest Min 53-1967 Highest Min 82-1990 Greatest ppt 2.12-1954	Actual	
Normal 29 91.0 max 69.0 min .10 ppt 0 hdd 15 cdd Highest Max 107-1984 Lowest Max 70-1974 Lowest Min 51-1931 Highest Min 79-1984 Greatest ppt 2.36-1955	Actual	Normal 30 91.0 max 69.0 min .03 ppt 0 hdd 15 cdd Highest Max 107-1947 Lowest Max 72-1968 Lowest Min 50-1915 Highest Min 79-1983 Greatest ppt .71-1991	Actual	Normal 31 90.0 max 69.0 min .15 ppt 0 hdd 14 cdd Highest Max 106-1951 Lowest Max 74-1986 Lowest Min 48-1915 Highest Min 84-1980 Greatest ppt 1.86-1962	Actual	AUGUST AVERAGES								
													: 81.5°F	
													: 2.94"	
													: 0	
													: 518	