OKLAHOMA
MONTHLY SUMMARY
AUGUST 1994

TABLE OF CONTENTS

MONTHLY SUMMARY FOR AUGUST 1994

Eastern Oklahoma enjoyed cooler and wetter-than-normal weather in August while western portions of the state were warmer and, except for the Panhandle, drier than normal. The overall statewide average temperature of 80 degrees was nearly a full degree below normal, leaving the average temperature for the three summer months at a slightly greater than normal 80.3 degrees. Precipitation across the state averaged 3.02 inches, two-tenths of an inch greater than normal, statewide. Summer precipitation totaled 9.38 inches (.01 inch below normal). The average temperature for the first eight months of the year (62.4 degrees) is normal, while the year-to-date precipitation (23.67 inches) is 0.53 inches greater than normal.

In typical August fashion, much of the month's precipitation, particularly in northeastern and southwestern Oklahoma fell during locally heavy rains. Most notable in that regard was the National Weather Service cooperative observing location northwest of Grandfield in Tillman County, which received 3.97 inches of precipitation for the month (1.51 inches greater than normal), all of it falling late afternoon and early evening of the 14th. Other locations were buffeted by extremely high winds, sometimes with large hail. Lahoma and Drummond (Garfield County) were in the path of a devastating hail storm on the 17th that featured baseball-sized hail stones and winds measured as high as 113 miles per hour. One football-shaped hail stone captured near Okarche (Kingfisher County) reportedly measured 7 inches long and 4 inches in diameter. In contrast, the western Panhandle community of Kenton (Cimarron County) received a monthly total precipitation of 6.75 inches (a local record for August) spread over 13 days.

Significant thunderstorm activity occurred sporadically during the month. Winds of 60 to 70 miles per hour were reported in Harper County on the 2nd. Tree limbs were broken in Bearden (Okfuskee County) on the 4th, while heavy rains in Pittsburg County briefly flooded highways. Strong thunderstorm winds were reported in Washington and Rogers counties. On the evening of the 7th and continuing overnight, strong winds generated by thunderstorms were reported in Cushing (Payne), Davenport (Lincoln), near Earlsboro (Pottawatomie), and in Seminole, Atoka, Coal, Love, and Bryan counties. The most significant damage occurred in Prague (Lincoln) which received approximately $1 million worth of damage. Prague high school received extensive damage and the steeple broken off a local church. Lightning struck the Thackerville (Love) high school, starting a fire that destroyed that building but left neighboring school buildings unscathed.

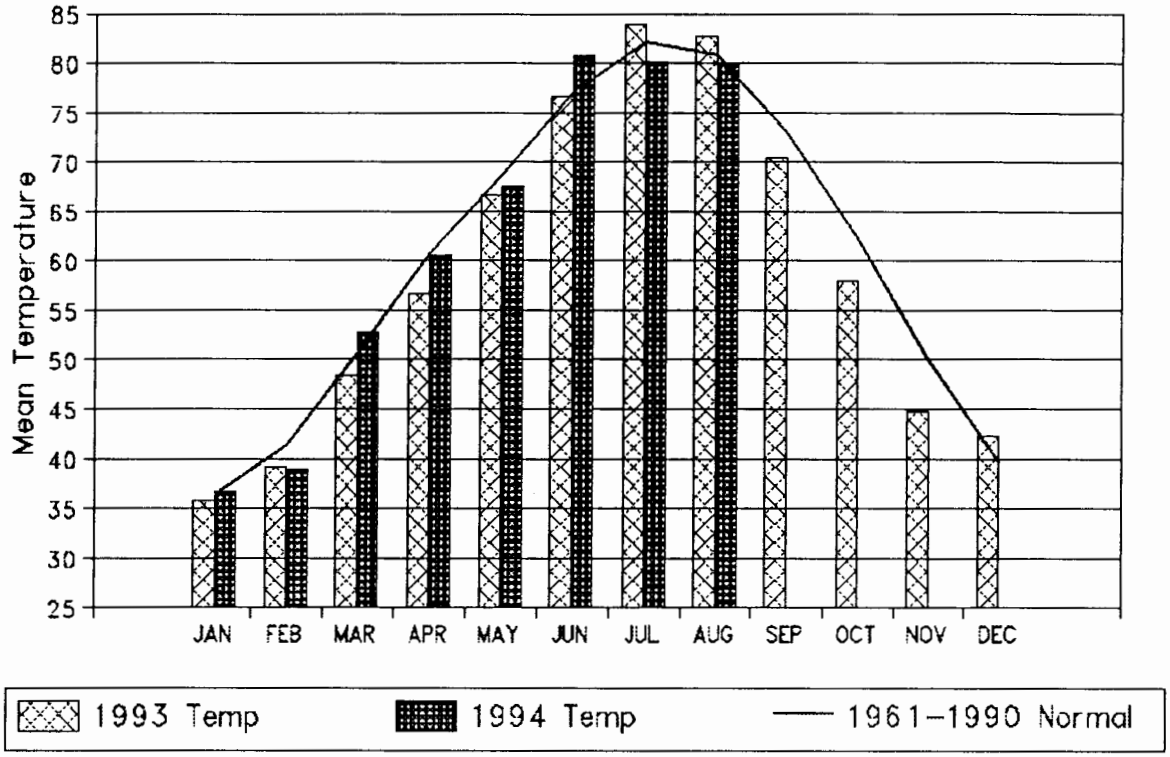
The system which ravaged much of north central Oklahoma on the 17th, moved into the state from Kansas and immediately made its presence known by knocking over 20 power poles near Goltry (Alfalfa). North and east faces of buildings and mobile homes were virtually destroyed in Lahoma, Drummond and the surrounding area and along a southward path that included parts of Kingfisher and Okarche, extending into central Canadian County. In Lahoma, trees were stripped of leaves and vegetation was flattened, leaving a winter-like image in the storm's wake. Hail damage was noted as far south as Minco in northern Grady County. The Oklahoma Mesonet site between Lahoma and Meno reported gusts to 113 miles per hour and sustained (5-minute average) wind speeds of 78 miles per hour before hail rendered the wind monitor inoperable. Softball-sized hail was reported near Okarche and another 20 power poles were flattened near Dover (Kingfisher County). Related thunderstorm development on the southwestern edge of the central Oklahoma system led to wind damage and a possible tornado near Carter (Beckham), where three tractor-trailer rigs were blown off of an interstate highway, and extensive wind damage in the Greer County communities of Mangum (winds in excess of 100 miles per hour) and Willow.

Strong thunderstorms moved across northern Oklahoma on the evening of the 19th and early morning of the 20th. Seventy-five mile-per-hour winds raked Alva (Woods) and strong winds and hail were reported in Major and Kay counties. Several reporting stations in and very near Osage County reported in excess of 3 inches of precipitation, including Foraker (4.46 inches), Barnsdall (3.92), Pawhuska (3.90), Wynona (3.63), Ralston (Pawnee County, 3.40) and Hardy (Kay County, 3.30). The Mesonet site at the Tallgrass Prairie Preserve near Foraker reported a wind gust of 73 miles per hour.

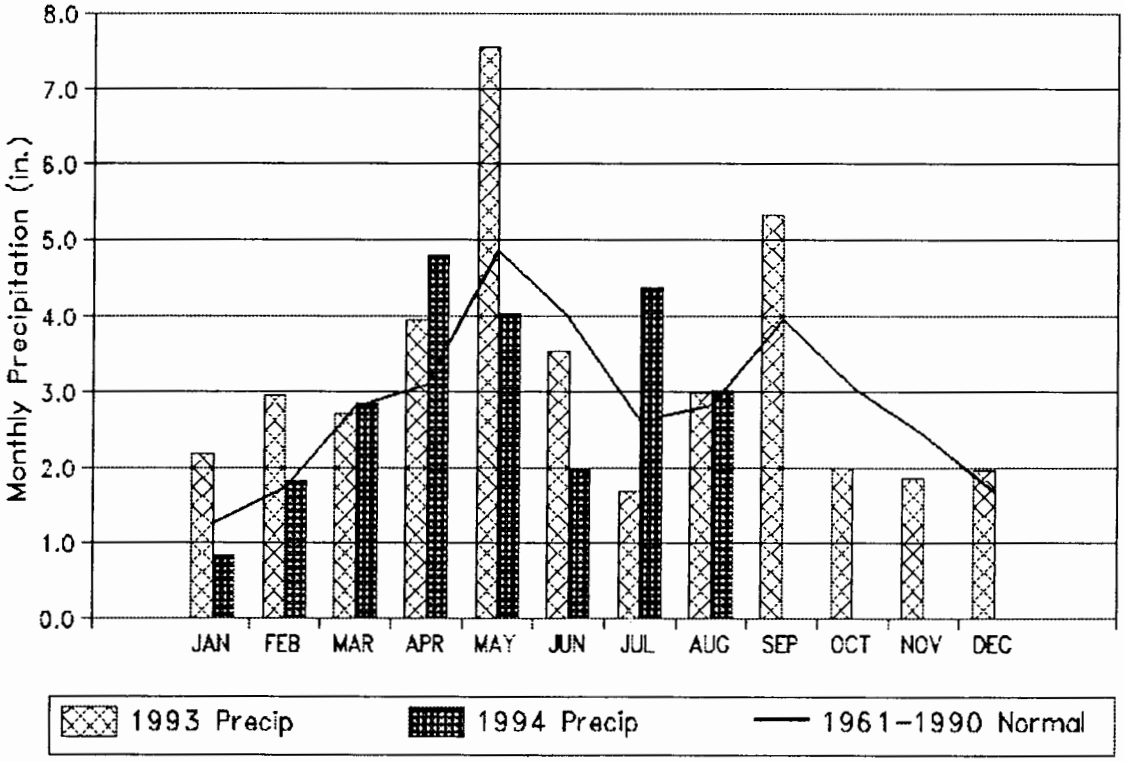
Early morning storms on the 25th caused wind damage in Commerce (Ottawa County) and in Nowata and Craig counties. The cooperative observer north of Pryor reported 3.47 inches of rain. Thunderstorms at month's end produced wind damage in Major, Logan and Payne counties, hail in Love County and a lightning ignited fire near Pickett (Pontotoc). Maramec (Pawnee County), Shawnee and McAlester each reported more than two and one-half inches of rain on the 31st.

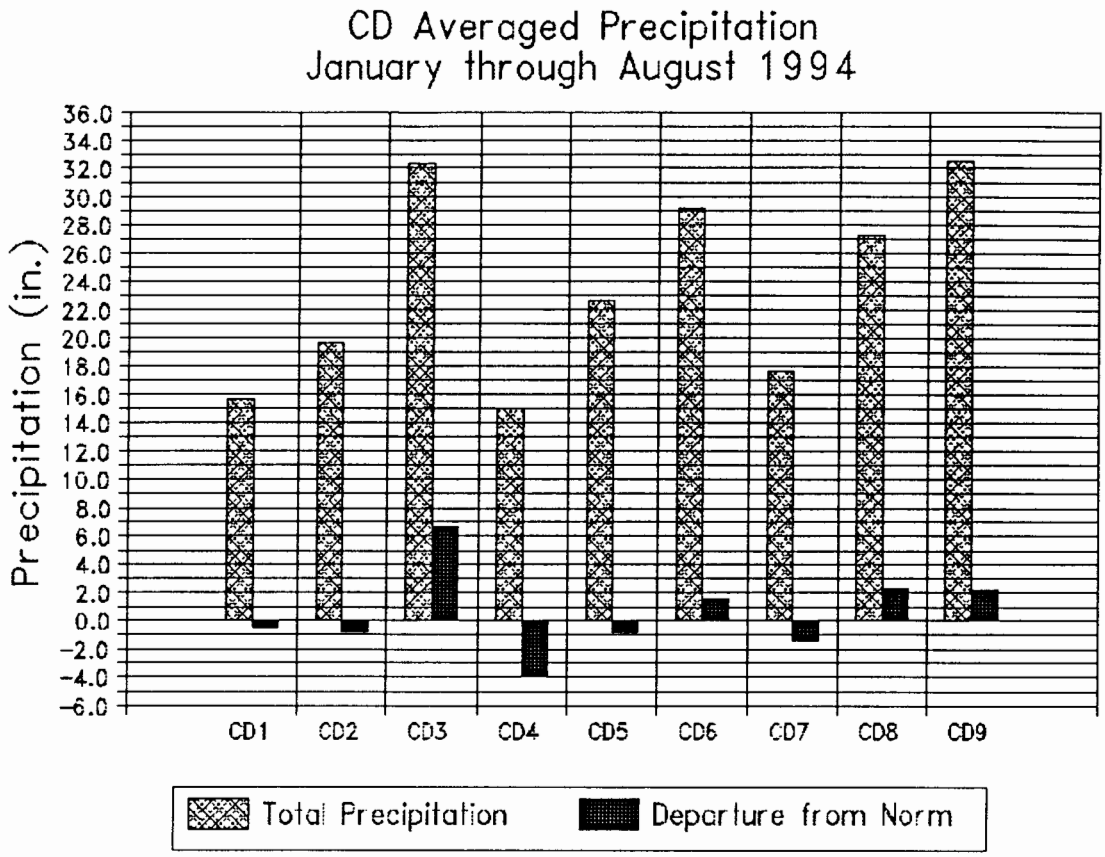
Howard L. Johnson

1993 and 1994 STATEWIDE TEMPERATURES
Monthly Averages

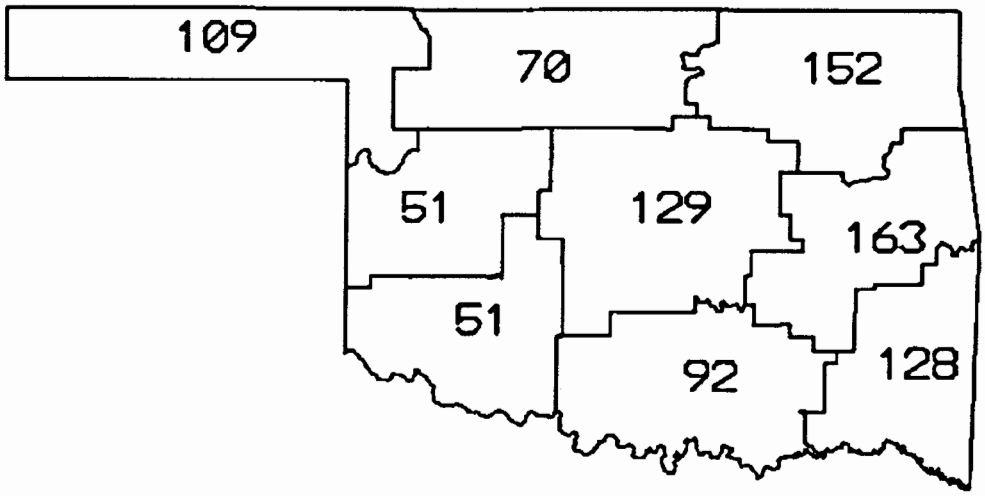


1993 and 1994 STATEWIDE PRECIPITATION
Monthly Totals





CD PERCENT OF NORMAL PRECIPITATION



AUGUST 1994

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

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	110	19	BUFFALO	49	16	GAGE	2.90	20	FARGO	6.76	KENTON
	110	28	BUFFALO								
2	108	28	ALVA	47	15	BILLINGS	3.30	19	HARDY	4.56	HARDY
	108	28	FREEDOM								
	108	29	FREEDOM								
	108	26	WAYNOKA								
3	98	18	JAY TOWER	48	15	HULAH DAM	4.46	20	FORAKER	9.48	FORAKER
	98	31	JAY TOWER								
	98	30	MANNFORD								
4	109	19	REYDON	46	16	HAMMON	2.08	20	VICI	4.02	VICI
	109	26	REYDON								
5	105	13	GUTHRIE	46	27	HENNESSEY	3.71	7	OILTON	7.94	WELTY
	105	19	GUTHRIE								
	105	30	HENNESSEY								
6	99	30	MCCURTAIN	49	16	STILWELL	3.40	7	CALVIN	7.70	STILWELL
	99	31	WEBBERS FALLS								
7	107	19	CHATTANOOGA	48	16	WICHITA MT WLR	3.97	15	GRANDFIELD	3.97	GRANDFIELD
8	102	13	MARLOW	50	16	PAULS VALLEY	3.00	8	BOKCHITO	5.65	CENTRAHOMA
	102	17	MARLOW								
	102	30	MARLOW								
9	98	12	BOSWELL	52	16	POTEAU	2.22	8	BOSWELL	6.88	BOSWELL
	98	30	WILBURTON	52	16	WILBURTON					

TABLE OF 1993/1994 COMPARISONS

	August Temperature (°F)		August Precipitation (in.)	
Station	1993	1994	1993	1994
Arnett	78.6	78.9	2.67	1.25
Enid	82.8	82.5	3.69	4.26
Mutual	82.2	80.9	2.14	2.35
Tulsa	83.9	78.9	2.29	4.06
Elk City	80.9	81.7	1.29	1.09
Oklahoma City	82.3	79.7	1.86	1.81
McAlester	85.3	78.7	2.25	5.96
Altus Irr Sta	82.6	83.3	4.68	0.53
Durant	83.3	78.7	4.20	3.90
Ada	83.5	****	3.70	****
Hugo	85.2	79.7	2.77	3.49

EXTREMES

Variable	Station	Division	Observation	Date
Minimum temperature (°F)	Hammon	4	46	16
	Hennessey	5	46	27
Maximum temperature (°F)	Buffalo	1	110	28
Maximum 24-hour precipitation	Foraker	3	4.46"	20

AUGUST 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	78.8	31	.2	103.	27	55.	15	.0	.0	427.5	5.5	1.252	31	-1.16	.61	31
BEAVER	593	1	78.8	31	.2	104.	8	53.	18	.0	.0	428.5	6.5	1.150	31	-1.80	.55	15
BOISE CITY 2 E	908	1	77.1	31	1.6	101.	7	55.	15	.0	.0	374.5	48.5	2.495	31	.04	.84	14
BUFFALO	1243	1	84.1	31	2.8	110.	28	54.	15	.0	.0	592.0	87.0	1.520	31	-1.94	.77	31
FARGO	3070	1	*****	0	*****	****	0	****	0	******	******	******	******	3.930	31	1.22	2.90	20
GAGE FAA APT	3407	1	80.4	30	.3	104.	28	49.	16	.0	.0	463.5	-4.5	1.021	31	-1.50	.77	20
GATE	3489	1	81.0	31	1.3	106.	28	56.	16	2.0	2.0	497.0	41.0	1.541	31	-1.34	1.14	4
GOODWELL RES	ST3628	1	78.2	31	1.8	103.	8	54.	21	3.0	3.0	411.5	58.5	1.921	31	-.24	.92	14
GUYMON	3835	1	78.4	28	*****	103.	27	54.	21	.0	******	376.0	******	1.230	24	*****	.44	2
HOOKER	4298	1	77.4	31	-.3	100.	28	56.	16	3.0	3.0	387.0	-7.0	5.401	31	3.09	1.72	31
KENTON	4766	1	76.9	31	1.7	100.	8	56.	31	.0	.0	369.0	50.0	6.755	31	4.11	1.52	1
LAVERNE	5045	1	*****	0	*****	****	0	****	0	******	******	******	******	.732	31	-2.13	.49	2
OPTIMA LAKE	6740	1	77.0	31	*****	101.	19	51.	16	4.0	******	376.5	******	7.060	31	*****	3.42	24
REGNIER	7534	1	*****	0	*****	****	0	****	0	******	******	******	******	5.660	31	3.78	2.21	14
TURPIN 4 SSE	9017	1	76.7	31	*****	101.	19	53.	16	5.0	******	367.0	******	7.200	31	*****	4.30	31

AUGUST 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	82.7	31	*****	108.	28	55.	15	.0	******	549.0	******	2.230	31	*****	1.74	20
VANCE AFB	302	2	*****	0	*****	****	0	****	0	******	******	******	******	3.342	30	*****	1.66	20
BILLINGS	755	2	79.6	31	-1.4	101.	20	47.	15	1.5	1.5	453.0	-43.0	2.001	31	-1.13	1.40	20
BLACKWELL 2E	818	2	81.5	31	.4	103.	13	51.	15	.0	.0	510.0	11.0	2.761	31	-.43	2.45	20
BRAMAN	1075	2	*****	0	*****	****	0	****	0	******	******	******	******	.670	31	*****	.41	20
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	******	******	******	******	.621	31	*****	.36	31
CHEROKEE	1724	2	83.0	31	.8	106.	28	54.	16	.0	.0	557.5	24.5	3.551	31	.53	2.40	20
ENID	2912	2	82.5	31	.8	102.	29	55.	15	.0	.0	543.5	25.5	4.260	31	1.08	2.02	20
FT SUPPLY DAM	3304	2	79.9	31	.8	105.	28	52.	17	.0	.0	462.5	25.5	.324	31	-2.50	.22	4
FREEDOM	3358	2	79.9	31	-1.2	108.	29	48.	16	3.0	3.0	464.0	-35.0	.100	31	-2.90	.07	20
GREAT SALT PLNS	3740	2	80.6	31	-.3	105.	29	53.	16	.0	.0	483.0	-10.0	3.280	31	.01	1.50	20
HARDY	3909	2	*****	0	*****	****	0	****	0	******	******	******	******	4.561	31	*****	3.30	19
HELENA 1 SSE	4019	2	81.2	31	.9	105.	29	53.	15	.0	.0	502.0	28.0	1.571	31	-1.19	.94	20
JEFFERSON	4573	2	82.0	31	.3	105.	28	49.	15	.0	.0	526.5	8.5	2.610	31	-.62	1.30	19
LAMONT	5013	2	*****	0	*****	****	0	****	0	******	******	******	******	2.590	31	*****	2.26	20
MEDFORD	5768	2	*****	0	*****	****	0	****	0	******	******	******	******	2.720	31	*****	1.69	19
MORRISON	6065	2	*****	0	*****	****	0	****	0	******	******	******	******	2.632	31	*****	1.81	20
MUTUAL	6139	2	80.7	31	.7	107.	27	53.	16	.0	.0	486.5	21.5	2.350	31	.15	1.47	20
NEWKIRK	6278	2	79.5	31	-1.4	99.	30	50.	15	.0	.0	451.0	-42.0	3.022	31	-.43	2.44	20
ORIENTA	6751	2	*****	0	*****	****	0	****	0	******	******	******	******	.780	31	-1.96	.40	20
PERRY	7012	2	81.6	31	-.1	101.	30	50.	15	.0	.0	516.0	-2.0	2.490	31	-.77	1.50	20
PONCA CITY FAA	7201	2	81.1	30	.3	102.	13	50.	15	.0	.0	483.0	-7.0	2.742	31	-.68	2.23	20
RED ROCK 1 NNE	7505	2	*****	0	*****	****	0	****	0	******	******	******	******	2.120	31	-.71	1.37	20
WAYNOKA	9404	2	82.0	31	.6	108.	26	50.	15	.0	.0	525.5	17.5	.120	31	-2.80	.09	20
WOODWARD	9760	2	*****	0	*****	****	0	****	0	******	******	******	******	1.061	31	-1.85	.91	31

AUGUST 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	77.2	31	-3.5	95.	30	50.	15	.0	.0	378.5	-108.5	5.110	31	1.66	3.92	20
BARTLESVILLE 2W	548	3	78.3	31	-2.2	96.	30	51.	15	.0	.0	413.5	-67.5	3.042	31	-.11	1.40	20
BIXBY	782	3	76.8	31	-2.5	95.	14	55.	16	.0	.0	367.0	-76.0	5.010	31	2.26	1.87	27
BURBANK	1256	3	*****	0	*****	****	0	****	0	******	******	******	******	5.751	31	2.34	2.00	19
CHELSEA 4 S	1717	3	*****	0	*****	****	0	****	0	******	******	******	******	5.110	31	*****	1.77	26
CLAREMORE	1828	3	76.2	31	-3.5	92.	31	52.	15	.0	.0	347.5	-108.5	6.520	31	3.45	2.75	20
CLEVELAND 5 WSW	1902	3	78.4	18	*****	98.	3	49.	30	.0	******	241.0	******	3.840	18	*****	1.49	7
FORAKER	3250	3	*****	0	*****	****	0	****	0	******	******	******	******	9.480	31	6.02	4.46	20
HOLLOW	4258	3	*****	0	*****	****	0	****	0	******	******	******	******	3.130	31	-.08	2.37	27
HOMINY	4289	3	*****	0	*****	****	0	****	0	******	******	******	******	5.591	31	2.31	3.28	20
HULAH DAM	4393	3	76.2	23	*****	95.	15	48.	15	.0	******	256.5	******	2.830	30	*****	.84	26
JAY TOWER	4567	3	77.8	31	*****	98.	31	53.	15	.0	******	398.0	******	2.930	31	*****	1.40	20
KANSAS 1 ESE	4672	3	75.4	29	*****	92.	30	53.	15	.0	******	301.5	******	3.311	31	-.50	1.60	20
KEYSTONE DAM	4812	3	76.8	22	*****	97.	31	53.	16	.0	******	260.5	******	3.380	27	*****	2.05	20
LENAPAH	5118	3	*****	0	*****	****	0	****	0	******	******	******	******	3.930	31	*****	2.35	26
MANNFORD 6 NW	5522	3	78.5	31	-2.3	98.	30	52.	15	.0	.0	417.5	-72.5	5.350	31	2.07	2.16	20
MARAMEC	5540	3	*****	0	*****	****	0	****	0	******	******	******	******	6.982	31	3.80	2.82	31
MIAMI	5855	3	75.8	31	-2.6	97.	19	47.	17	.0	.0	334.0	-81.0	2.590	31	-1.38	1.32	26
NOWATA	6485	3	77.0	31	-3.5	94.	30	52.	15	.0	.0	372.5	-108.5	4.250	31	.93	1.27	4
PAWHUSKA	6935	3	77.4	31	-2.8	94.	28	49.	15	.0	.0	384.0	-87.0	5.811	31	2.23	3.90	20
PAWNEE	6940	3	*****	0	*****	****	0	****	0	******	******	******	******	4.650	31	1.44	2.22	20
PRYOR 6 N	7309	3	76.3	11	*****	92.	31	57.	22	.0	******	124.5	******	6.940	12	*****	3.47	26
RALSTON	7390	3	78.0	30	-2.5	97.	30	49.	15	.0	.0	389.5	-91.5	7.000	31	3.69	3.40	20
RAMONA 4 N	7394	3	*****	0	*****	****	0	****	0	******	******	******	******	.860	31	*****	.44	31
SKIATOOK	8258	3	*****	0	*****	****	0	****	0	******	******	******	******	3.840	31	.68	2.27	20
SPAVINAW	8380	3	79.0	31	-1.8	94.	28	57.	15	.0	.0	433.0	-57.0	5.582	31	1.67	2.04	31
TULSA WSO APT	8992	3	78.9	31	-2.6	96.	30	53.	15	.0	.0	430.0	-82.0	4.060	31	.94	1.60	20
UPPER SPAVINAW	9101	3	77.2	31	*****	95.	29	54.	16	.0	******	379.0	******	3.202	31	*****	1.90	20
VINITA 2 N	9203	3	76.8	30	-2.2	93.	18	49.	15	.0	.0	354.0	-80.0	3.870	30	*****	1.22	31
WAGONER	9247	3	78.0	31	-2.8	93.	18	54.	15	.0	.0	403.0	-87.0	4.782	31	1.75	2.24	27
WANN	9298	3	*****	0	*****	****	0	****	0	******	******	******	******	3.351	31	*****	2.16	26
WYNONA	9792	3	*****	0	*****	****	0	****	0	******	******	******	******	5.710	31	*****	3.63	20

AUGUST 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	80.7	31	.5	104.	27	54.	15	.0	.0	487.5	16.5	1.580	31	-.83	.90	31
CHEYENNE	1738	4	*****	0	*****	****	0	****	0	******	******	******	******	.710	31	-1.62	.54	31
CLINTON	1909	4	82.5	31	.1	103.	28	51.	16	.0	.0	542.0	3.0	1.742	31	-1.43	.96	31
COLONY	2039	4	*****	0	*****	****	0	****	0	******	******	******	******	.980	31	*****	.52	20
CORDELL	2125	4	*****	0	*****	****	0	****	0	******	******	******	******	.994	31	-2.09	.40	31
ELK CITY 1 E	2849	4	81.7	30	1.6	105.	17	55.	16	.0	.0	500.5	32.5	1.092	31	-1.79	.53	18
ERICK 4 E	2944	4	81.4	31	1.3	108.	29	52.	16	.0	.0	507.5	39.5	.371	31	-2.14	.28	15
GEARY	3497	4	82.2	29	*****	103.	23	65.	27	.0	******	500.0	******	1.950	29	*****	.74	25
HAMMON 1 NNE	3871	4	79.0	26	*****	103.	28	46.	16	.0	******	364.0	******	1.241	30	*****	.95	31
LEEDEY	5090	4	*****	0	*****	****	0	****	0	******	******	******	******	.770	31	-1.78	.58	31
MACKIE 4 NNW	5463	4	*****	0	*****	****	0	****	0	******	******	******	******	1.080	31	*****	.87	31
MORAVIA 2 NNE	6035	4	*****	0	*****	****	0	****	0	******	******	******	******	1.192	31	-1.32	.90	18
OKEENE	6629	4	82.5	31	.6	105.	19	53.	15	.0	.0	542.5	18.5	1.280	31	-1.45	.93	31
RETROP	7565	4	*****	0	*****	****	0	****	0	******	******	******	******	.120	31	*****	.12	18
REYDON	7579	4	85.0	31	6.1	109.	26	56.	16	.0	.0	620.5	189.5	1.890	31	-.44	1.25	31
SAYRE	7952	4	*****	0	*****	****	0	****	0	******	******	******	******	1.030	31	-1.39	.40	31
SWEETWATER 2 E	8652	4	*****	0	*****	****	0	****	0	******	******	******	******	.780	31	*****	.28	4
TALOGA	8708	4	81.2	31	.9	104.	26	49.	16	.0	.0	501.0	27.0	2.042	31	-.39	1.00	20
THOMAS	8815	4	*****	0	*****	****	0	****	0	******	******	******	******	2.550	31	*****	1.30	30
VICI	9172	4	*****	0	*****	****	0	****	0	******	******	******	******	4.020	31	1.74	2.08	20
WATONGA	9364	4	82.2	31	1.3	104.	28	55.	16	.0	.0	534.0	41.0	2.560	31	.27	.73	31
WEATHERFORD	9422	4	81.7	31	1.2	104.	20	58.	15	.0	.0	518.0	37.0	1.560	31	-1.28	1.20	31

AUGUST 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	******	******	******	******	.950	31	*****	.81	18
ARCADIA	288	5	*****	0	*****	****	0	****	0	******	******	******	******	3.010	31	*****	2.00	31
TINKER AFB	325	5	*****	0	*****	****	0	****	0	******	******	******	******	2.074	30	*****	1.57	31
BLANCHARD 2 SSW	830	5	81.2	31	-.6	99.	30	54.	16	.0	.0	502.0	-19.0	1.312	31	-1.42	1.23	18
BRISTOW	1144	5	77.9	31	-3.0	97.	30	54.	16	.0	.0	400.5	-92.5	4.742	31	2.08	1.83	20
CHANDLER	1684	5	80.3	25	*****	102.	28	54.	15	.0	******	382.0	******	3.980	31	1.36	1.95	31
CHICKASHA EX ST	1750	5	81.6	31	.5	100.	13	49.	16	.0	.0	513.5	14.5	1.720	31	-1.04	1.43	18
COX CITY 1 E	2196	5	*****	0	*****	****	0	****	0	******	******	******	******	2.280	31	*****	2.11	18
CRESCENT	2242	5	*****	0	*****	****	0	****	0	******	******	******	******	1.880	31	*****	.90	31
CUSHING	2318	5	78.8	30	-1.9	99.	31	54.	15	.0	.0	414.0	-73.0	5.950	31	3.22	2.30	7
EL RENO 1 N	2818	5	82.0	31	1.1	101.	26	53.	16	.0	.0	525.5	32.5	2.340	31	-.45	1.15	31
GUTHRIE	3821	5	84.2	31	2.0	105.	19	54.	15	.0	.0	594.5	61.5	1.870	31	-.40	.93	20
HENNESSEY 4 ESE	4055	5	81.5	25	*****	105.	31	46.	27	.0	******	411.5	******	2.360	31	-.50	.80	31
INGALLS	4489	5	*****	0	*****	****	0	****	0	******	******	******	******	3.921	31	*****	1.45	7
KINGFISHER 2 SE	4861	5	81.2	30	-.7	101.	27	51.	15	.0	.0	487.0	-37.0	3.310	31	.61	1.81	17
KONAWA	4915	5	*****	0	*****	****	0	****	0	******	******	******	******	1.141	31	-.85	.83	8
MARSHALL	5589	5	*****	0	*****	****	0	****	0	******	******	******	******	2.980	31	.41	2.00	31
MEEKER 4 W	5779	5	79.6	30	-1.7	100.	30	51.	16	.0	.0	438.5	-66.5	2.750	30	*****	1.74	31
NORMAN 3 S	6386	5	80.7	31	-.5	102.	13	52.	16	.0	.0	486.0	-16.0	1.571	31	-1.29	1.26	18
OILTON 2 SE	6616	5	*****	0	*****	****	0	****	0	******	******	******	******	7.440	31	*****	3.71	7
OKEMAH	6638	5	80.2	31	-.7	99.	30	59.	15	.0	.0	472.0	-21.0	5.810	31	3.17	2.55	8
OKLAHOMA CTY WS	6661	5	79.7	31	-1.4	99.	30	53.	16	.0	.0	455.5	-43.5	1.812	31	-.79	.75	31
PERKINS	7003	5	*****	0	*****	****	0	****	0	******	******	******	******	2.570	31	.03	1.49	20
PIEDMONT	7068	5	*****	0	*****	****	0	****	0	******	******	******	******	4.090	31	*****	1.85	18
PRAGUE	7264	5	*****	0	*****	****	0	****	0	******	******	******	******	5.850	31	3.42	2.10	7
PURCELL 5 SW	7327	5	80.6	31	-1.3	100.	30	49.	16	.0	.0	484.0	-40.0	1.750	31	-.94	1.10	18
SEMINOLE	8042	5	80.0	31	-2.6	99.	30	55.	16	.0	.0	465.5	-80.5	4.320	30	*****	2.50	7
SHAWNEE	8110	5	*****	0	*****	****	0	****	0	******	******	******	******	3.850	31	1.35	2.71	31
STELLA	8479	5	*****	0	*****	****	0	****	0	******	******	******	******	.220	31	*****	.17	21
STILLWATER 2 W	8501	5	79.5	31	-.8	100.	31	50.	15	.0	.0	450.5	-23.5	3.582	31	.82	1.75	31
STROUD 1 N	8563	5	*****	0	*****	****	0	****	0	******	******	******	******	5.542	31	*****	1.91	31
TROUSDALE	8960	5	*****	0	*****	****	0	****	0	******	******	******	******	.350	31	*****	.26	5
UNION CITY 1 SE	9086	5	*****	0	*****	****	0	****	0	******	******	******	******	1.851	31	-1.03	.78	5
WELTY 1 SSE	9479	5	*****	0	*****	****	0	****	0	******	******	******	******	7.940	31	*****	1.75	20
WEWOKA	9575	5	*****	0	*****	****	0	****	0	******	******	******	******	3.870	31	1.10	2.02	8

AUGUST 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	******	******	******	******	2.910	31	*****	1.69	5
BEGGS	631	6	*****	0	*****	****	0	****	0	******	******	******	******	3.810	31	*****	1.43	20
BOYNTON	1027	6	*****	0	*****	****	0	****	0	******	******	******	******	3.310	31	*****	1.38	20
CALVIN	1391	6	*****	0	*****	****	0	****	0	******	******	******	******	5.400	31	2.99	3.40	7
CHECOTAH	1711	6	*****	0	*****	****	0	****	0	******	******	******	******	4.381	31	1.54	1.20	31
CLAYTON 14 WNW	1858	6	*****	0	*****	****	0	****	0	******	******	******	******	3.400	31	*****	1.35	5
DEWAR 2 NE	2485	6	*****	0	*****	****	0	****	0	******	******	******	******	3.110	31	.60	1.58	21
DUSTIN	2690	6	*****	0	*****	****	0	****	0	******	******	******	******	4.780	31	*****	1.46	31
EUFAULA	2993	6	86.9	31	4.7	110.	18	58.	16	.0	.0	677.5	144.5	4.660	31	2.07	1.34	31
HANNA	3884	6	77.7	31	-3.3	95.	29	53.	16	.0	.0	395.0	-101.0	4.310	31	1.75	2.02	5
HARTSHORNE	3946	6	*****	0	*****	****	0	****	0	******	******	******	******	6.370	31	*****	2.40	5
HASKELL	3956	6	*****	0	*****	****	0	****	0	******	******	******	******	5.160	31	2.64	2.04	27
HOLDENVILLE	4235	6	78.6	31	-2.9	98.	30	53.	16	.0	.0	420.5	-91.5	2.800	31	.28	1.94	8
LAKE EUFAULA	4975	6	78.2	31	*****	98.	19	56.	17	.0	******	408.5	******	3.980	31	*****	1.29	21
LYONS 2 N	5437	6	*****	0	*****	****	0	****	0	******	******	******	******	7.390	31	4.23	2.36	20
MARBLE CITY	5546	6	*****	0	*****	****	0	****	0	******	******	******	******	5.532	31	*****	2.70	8
MCALESTER FAA	5664	6	78.7	31	-2.6	95.	30	55.	16	.0	.0	426.0	-79.0	5.963	31	2.91	2.66	31
MCCURTAIN 1 SE	5693	6	78.6	31	-2.8	99.	30	52.	16	.0	.0	421.5	-86.5	4.252	31	1.34	1.70	5
MUSKOGEE	6130	6	78.9	31	-2.2	95.	20	56.	18	.0	.0	430.5	-68.5	3.911	31	1.07	2.02	23
OKMULGEE W W	6670	6	76.0	31	-3.6	95.	31	52.	16	.0	.0	342.5	-110.5	3.990	31	1.30	1.29	21
OKTAHA 2 NE	6678	6	*****	0	*****	****	0	****	0	******	******	******	******	3.240	31	*****	1.28	27
SALLISAW 2 NE	7862	6	77.5	31	-3.5	95.	30	53.	16	.0	.0	386.0	-110.0	2.601	31	-.79	1.70	21
SCIPIO	7979	6	*****	0	*****	****	0	****	0	******	******	******	******	5.750	31	*****	2.80	8
SHORT	8170	6	*****	0	*****	****	0	****	0	******	******	******	******	4.420	31	*****	2.08	5
STILWELL 1 NE	8506	6	74.5	31	-4.3	90.	30	49.	16	.0	.0	296.0	-132.0	7.700	31	3.81	2.85	20
TAHLEQUAH	8677	6	76.5	31	-3.3	93.	30	53.	16	.0	.0	355.5	-103.5	4.530	31	.82	1.88	20
WEBBERS FALLS	9445	6	77.2	30	-3.0	99.	31	53.	17	.0	.0	366.0	-105.0	2.811	31	-.08	.94	5
WESTVILLE	9523	6	*****	0	*****	****	0	****	0	******	******	******	******	5.420	31	*****	2.05	20
WETUMKA 3 NE	9571	6	*****	0	*****	****	0	****	0	******	******	******	******	6.840	31	4.25	3.05	8

AUGUST 1994 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ALTUS IRR STA	179	7	83.3	31	.5	105.	7	57.	16	.0	.0	568.0	16.0	.530	31	-1.92	.46	15
ALTUS DAM	184	7	84.3	31	1.8	105.	8	54.	16	.0	.0	597.5	54.5	.880	31	-1.51	.55	15
ANADARKO	224	7	79.6	12	*****	98.	30	48.	16	.0	******	175.5	******	1.960	27	*****	1.85	17
APACHE	260	7	*****	0	*****	****	0	****	0	******	******	******	******	.240	31	-2.19	.24	18
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	******	******	******	******	1.402	26	*****	1.18	14
CARNEGIE 2 ENE	1504	7	81.5	31	-.3	101.	29	54.	16	.0	.0	513.0	-8.0	.894	31	-1.43	.44	31
CHATTANOOGA	1706	7	83.9	31	.8	107.	19	53.	16	.0	.0	586.5	25.5	.190	31	-2.49	.10	5
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	******	******	******	******	2.201	29	*****	1.65	17
FREDERICK	3353	7	83.0	26	*****	103.	8	60.	16	.0	******	468.0	******	.550	31	-2.16	.25	18
GRANDFIELD 4 NW	3709	7	*****	0	*****	****	0	****	0	******	******	******	******	3.970	31	1.51	3.97	15
HEADRICK	3998	7	*****	0	*****	****	0	****	0	******	******	******	******	3.660	31	*****	2.33	14
HOBART FAA APT	4204	7	82.6	31	.6	103.	17	51.	16	.0	.0	545.0	18.0	1.552	31	-.82	.90	18
HOLLIS	4249	7	81.9	31	-.4	106.	17	53.	16	.0	.0	523.5	-12.5	.140	31	-2.30	.10	5
LAWTON	5063	7	81.6	30	-.7	103.	20	56.	16	.0	.0	499.0	-37.0	.700	31	-1.51	.38	18
FORT SILL	5068	7	82.2	31	*****	103.	19	54.	16	.0	******	532.0	******	.364	31	*****	.15	31
LOOKEBA 2 ENE	5329	7	*****	0	*****	****	0	****	0	******	******	******	******	2.060	31	-.52	.90	18
MANGUM RES STA	5509	7	81.9	31	-.7	105.	7	54.	16	.0	.0	524.0	-22.0	3.080	31	.80	2.80	15
RANDLETT 9 E	7403	7	*****	0	*****	****	0	****	0	******	******	******	******	.611	30	*****	.31	5
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	******	******	******	******	.640	31	-1.74	.38	18
SEDAN	8016	7	*****	0	*****	****	0	****	0	******	******	******	******	.151	31	*****	.15	20
SNYDER	8299	7	*****	0	*****	****	0	****	0	******	******	******	******	1.031	31	-1.48	.77	15
VINSON 3 WNW	9212	7	*****	0	*****	****	0	****	0	******	******	******	******	3.350	31	1.06	3.10	15
WALTERS	9278	7	82.8	31	-.4	103.	17	55.	16	.0	.0	553.0	-11.0	.240	31	-2.44	.24	31
WICHITA MT WLR	9629	7	80.1	30	-.7	102.	20	48.	16	.0	.0	452.0	-38.0	.400	31	-1.76	.20	8
WILLOW	9668	7	*****	0	*****	****	0	****	0	******	******	******	******	2.821	31	*****	2.10	18

AUGUST 1994 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

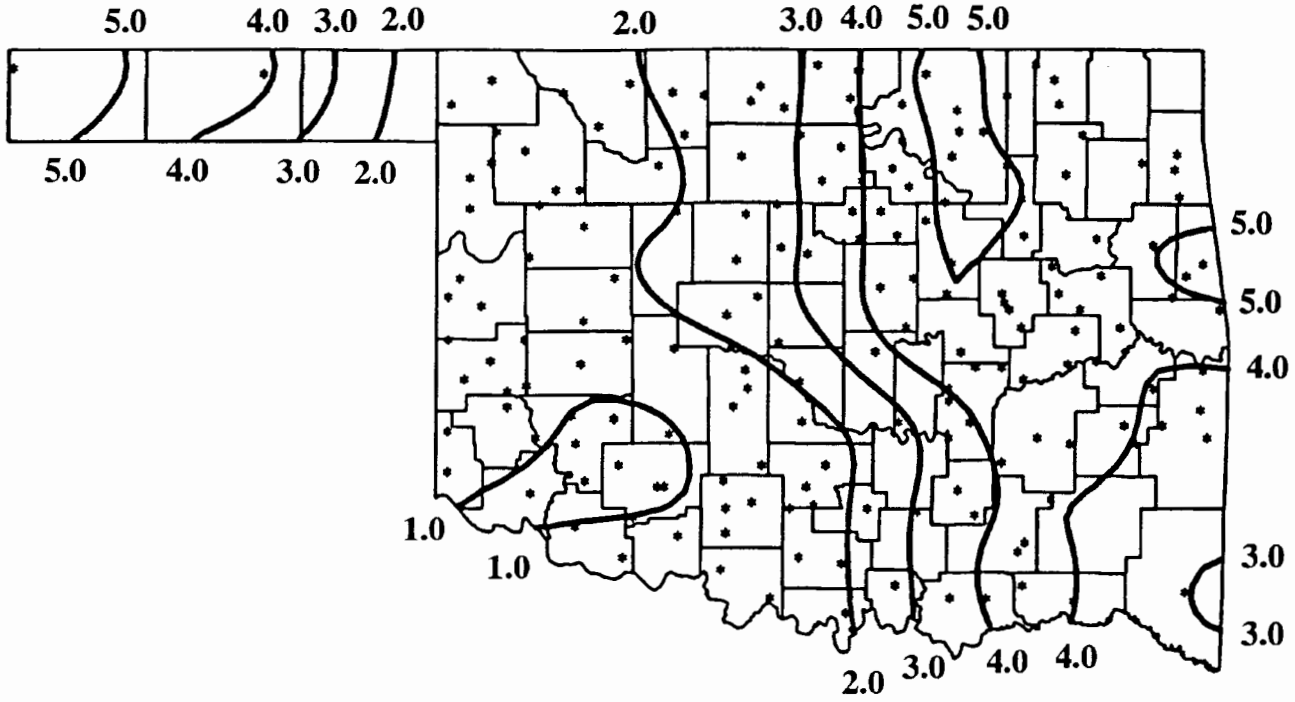
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ADA	17	8	78.8	31	-2.5	96.	30	55.	16	.0	.0	426.5	-78.5	2.790	31	-.14	1.25	5
ALLEN	147	8	*****	0	*****	****	0	****	0	******	******	******	******	2.340	31	*****	1.80	8
ARDMORE	292	8	80.3	31	-3.1	97.	19	59.	16	.0	.0	475.5	-94.5	2.470	31	-.06	.87	31
ATOKA DAM	394	8	80.3	23	*****	98.	31	59.	22	.0	******	352.0	******	3.730	23	*****	1.74	8
BOKCHITO	917	8	*****	0	*****	****	0	****	0	******	******	******	******	4.230	31	*****	3.00	8
CANEY	1437	8	*****	0	*****	****	0	****	0	******	******	******	******	1.940	21	*****	1.79	21
CENTRAHOMA	1648	8	*****	0	*****	****	0	****	0	******	******	******	******	5.650	31	*****	2.35	8
CHICKASAW NRA	1745	8	81.2	31	-.4	100.	20	55.	16	.0	.0	501.0	-14.0	1.890	31	-.24	1.03	5
COLEMAN	2011	8	*****	0	*****	****	0	****	0	******	******	******	******	2.300	31	*****	1.06	15
COMANCHE	2054	8	*****	0	*****	****	0	****	0	******	******	******	******	.370	31	-2.38	.25	20
DAISY 4 ENE	2354	8	*****	0	*****	****	0	****	0	******	******	******	******	2.421	31	-.78	.95	5
DUNCAN	2660	8	80.4	29	*****	98.	31	59.	16	.0	******	447.0	******	1.101	31	-1.33	.55	5
DURANT USDA	2678	8	78.7	31	-2.8	96.	29	57.	16	.0	.0	426.0	-86.0	3.900	31	1.29	1.61	8
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	******	******	******	******	1.260	31	*****	.50	19
FARRIS 3 WNW	3083	8	*****	0	*****	****	0	****	0	******	******	******	******	4.220	31	1.96	2.31	8
GRADY	3688	8	*****	0	*****	****	0	****	0	******	******	******	******	.890	31	*****	.62	31
HEALDTON	4001	8	80.9	30	-1.3	100.	30	56.	16	.0	.0	477.5	-55.5	.400	31	-2.04	.23	18
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	******	******	******	******	.740	31	*****	.57	18
KETCHUM RANCH	4780	8	*****	0	*****	****	0	****	0	******	******	******	******	3.020	31	*****	1.75	18
KINGSTON	4865	8	*****	0	*****	****	0	****	0	******	******	******	******	1.550	30	*****	1.31	8
LEHIGH	5108	8	*****	0	*****	****	0	****	0	******	******	******	******	5.202	31	*****	2.50	8
LINDSAY 2 W	5216	8	79.6	24	*****	99.	13	53.	16	.0	******	351.0	******	1.860	24	*****	1.73	18
LOCO 6 SE	5247	8	*****	0	*****	****	0	****	0	******	******	******	******	.790	31	*****	.72	18
MADILL	5468	8	78.7	31	-4.1	96.	19	57.	21	.0	.0	424.5	-127.5	2.241	31	-.34	.98	4
MARIETTA	5563	8	80.8	31	-1.8	100.	19	61.	16	.0	.0	491.0	-55.0	1.100	31	-1.57	.46	8
MARLOW 1 WSW	5581	8	81.8	31	.4	102.	30	52.	16	.0	.0	521.5	13.5	1.000	31	-1.60	.98	18
MCGEE CREEK DAM	5713	8	78.3	31	*****	97.	31	55.	16	.0	******	411.0	******	4.300	31	*****	2.87	8
PAULS VALLEY	6926	8	80.8	31	-1.6	101.	29	50.	16	.0	.0	489.0	-50.0	.620	31	-1.58	.25	18
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	******	******	******	******	2.791	31	.06	1.02	20
TISHOMINGO NWLR	8884	8	80.2	23	*****	100.	30	56.	16	.0	******	350.0	******	1.010	23	*****	.65	8
TUSSY	9032	8	*****	0	*****	****	0	****	0	******	******	******	******	1.490	31	*****	.56	17
WAURIKA	9395	8	82.1	31	-1.2	100.	30	60.	22	.0	.0	530.0	-37.0	2.694	31	.04	1.35	18
WAURIKA DAM	9399	8	81.7	31	*****	101.	20	58.	16	.0	******	518.5	******	2.051	31	*****	1.82	18

AUGUST 1994 SUMMARY FOR SOUTHEAST DIVISION (CD9)

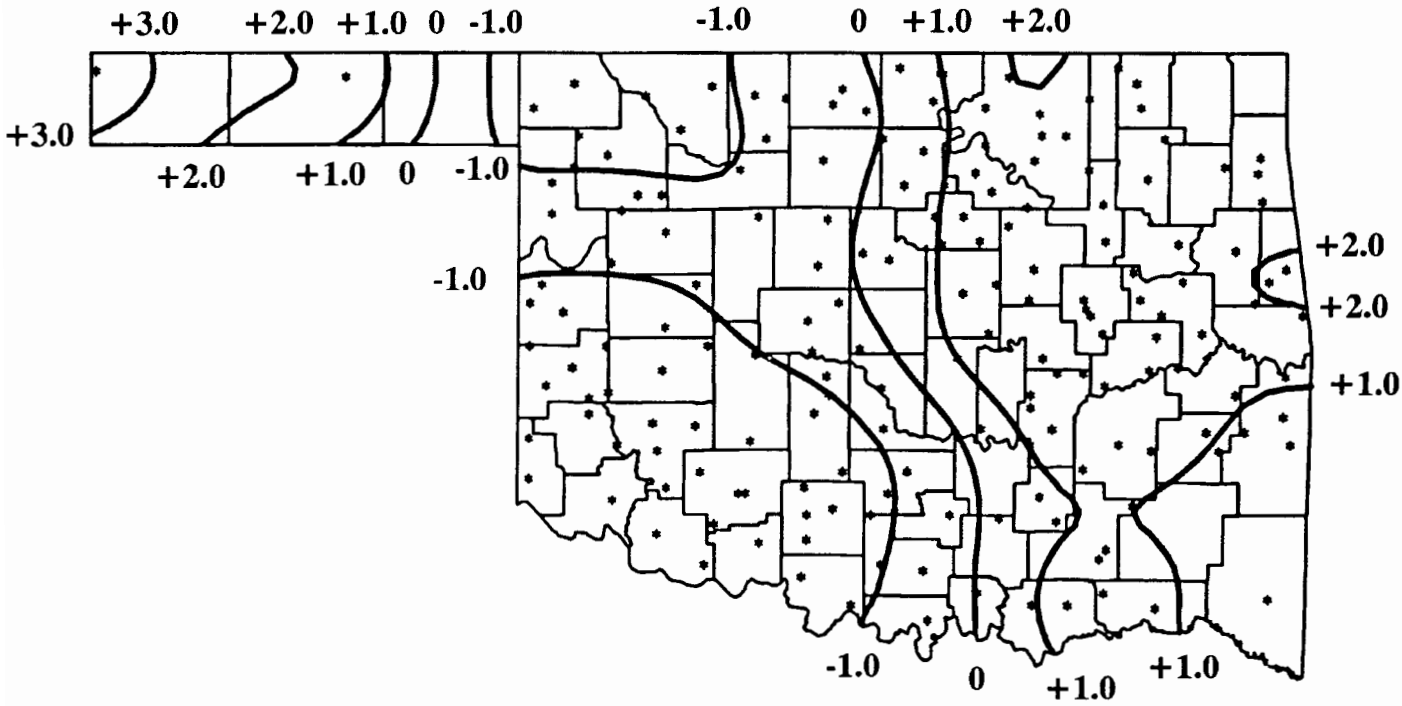
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	78.6	31	-2.6	97.	29	55.	16	.0	.0	421.0	-81.0	2.800	31	.01	1.30	5
BATTIEST 1 SSW	567	9	75.1	31	*****	93.	30	53.	16	.0	******	313.5	******	4.040	31	*****	2.33	5
BENGAL	670	9	*****	0	*****	****	0	****	0	******	******	******	******	3.390	31	*****	1.00	8
BOSWELL 4 NNW	980	9	89.2	29	*****	96.	30	78.	16	.0	******	701.0	******	6.680	31	4.17	2.22	8
BROKEN BOW 1 N	1162	9	*****	0	*****	****	0	****	0	******	******	******	******	2.100	31	-.83	.85	31
BROKEN BOW DAM	1168	9	78.4	31	-1.8	98.	30	55.	17	.0	.0	416.5	-54.5	2.930	31	-.18	1.42	31
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	******	******	******	******	2.420	30	*****	1.05	5
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	******	******	******	******	3.670	31	.61	1.35	21
HEAVENER 1 SE	4008	9	*****	0	*****	****	0	****	0	******	******	******	******	2.490	31	-.85	.85	15
HEE MT TWR	4017	9	*****	0	*****	****	0	****	0	******	******	******	******	3.110	31	.18	1.31	6
HUGO	4384	9	79.7	31	-2.1	96.	30	60.	16	.0	.0	456.5	-64.5	3.491	31	.82	1.46	21
IDABEL	4451	9	78.7	31	-1.8	95.	31	58.	16	.0	.0	423.5	-57.5	2.030	31	-.53	.53	8
POTEAU W W	7254	9	78.5	31	*****	97.	30	52.	16	.0	******	418.5	******	2.951	31	*****	.97	19
SMITHVILLE 1 W	8285	9	74.9	31	-3.7	93.	29	51.	16	.0	.0	308.0	-114.0	3.081	31	-.25	1.90	6
SPIRO	8416	9	*****	0	*****	****	0	****	0	******	******	******	******	3.210	31	.88	1.12	31
TUSKAHOMA	9023	9	78.1	31	-3.0	97.	30	51.	16	.0	.0	405.5	-93.5	2.990	31	-.31	1.12	8
VALLIANT 3 W	9118	9	*****	0	*****	****	0	****	0	******	******	******	******	3.580	30	*****	1.55	25
WILBURTON 9 ENE	9634	9	78.1	31	-2.3	98.	30	52.	16	.0	.0	406.5	-70.5	4.531	31	1.43	1.50	7

AUGUST 1994 CLIMATE DIVISION SUMMARY

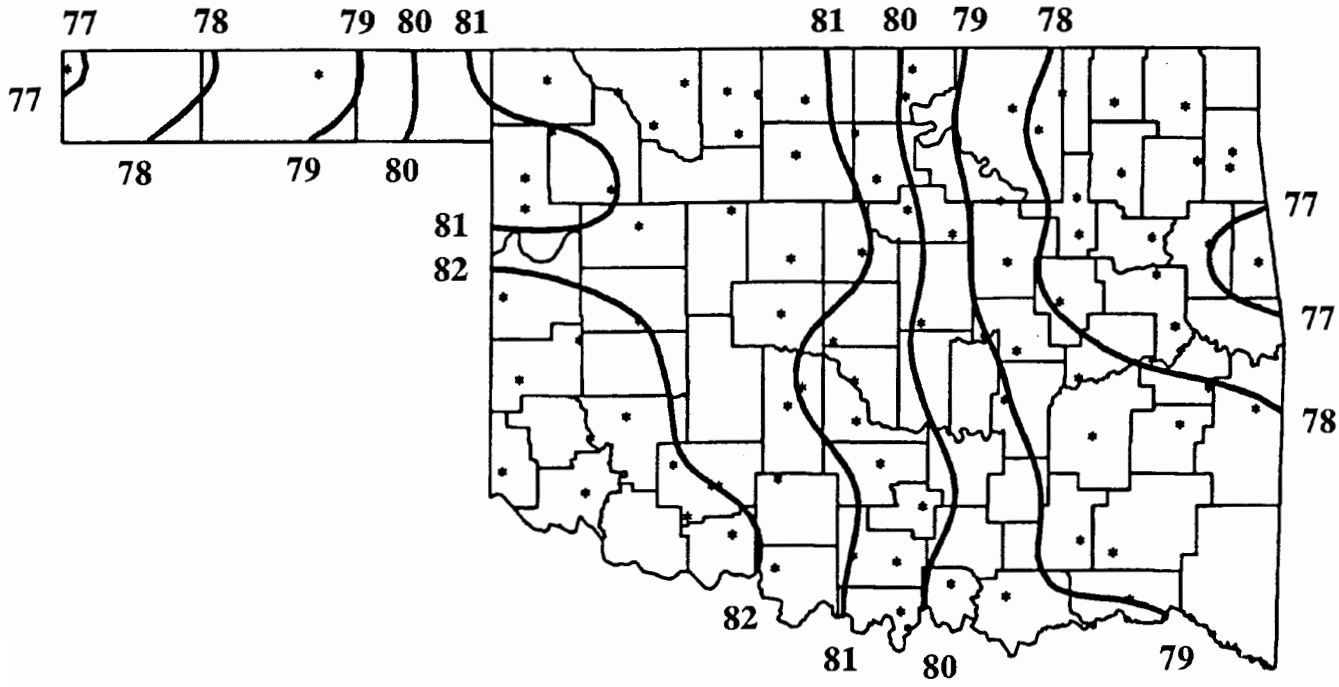
CLIMATE DIV	MEAN TEMP	NUM STA	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEGREE DAYS	DEV FROM NORM	COOL DEGREE DAYS	DEV FROM NORM	TOT PPT	NUM STA	DEV FROM NORM	MAX 24-HR	DAY
1	78.8	11	.6	110.0	28	49.0	16	1.5	1.5	426.7	19.5	3.40	14	.80	4.30	31
2	81.2	15	.2	108.0	26	47.0	15	.3	.3	500.9	5.7	2.13	24	-.89	3.30	19
3	77.5	15	-2.5	98.0	30	47.0	17	.0	.0	386.7	-77.9	4.70	27	1.37	4.46	20
4	82.1	9	1.4	109.0	26	46.0	16	.0	.0	528.2	42.4	1.42	20	-1.17	2.08	20
5	80.5	14	-.8	105.0	31	46.0	27	.0	.0	477.8	-27.8	3.18	32	.55	3.71	7
6	78.3	12	-2.4	110.0	18	49.0	16	.0	.0	410.5	-76.8	4.58	29	1.69	3.40	7
7	82.4	11	.1	107.0	19	48.0	16	.0	.0	535.8	-.5	1.31	21	-1.12	3.97	15
8	80.3	12	-1.9	102.0	30	50.0	16	.0	.0	474.3	-58.9	2.30	28	-.28	3.00	8
9	77.8	9	-2.8	98.0	30	51.0	16	.0	.0	396.6	-88.1	3.34	16	.41	2.33	5



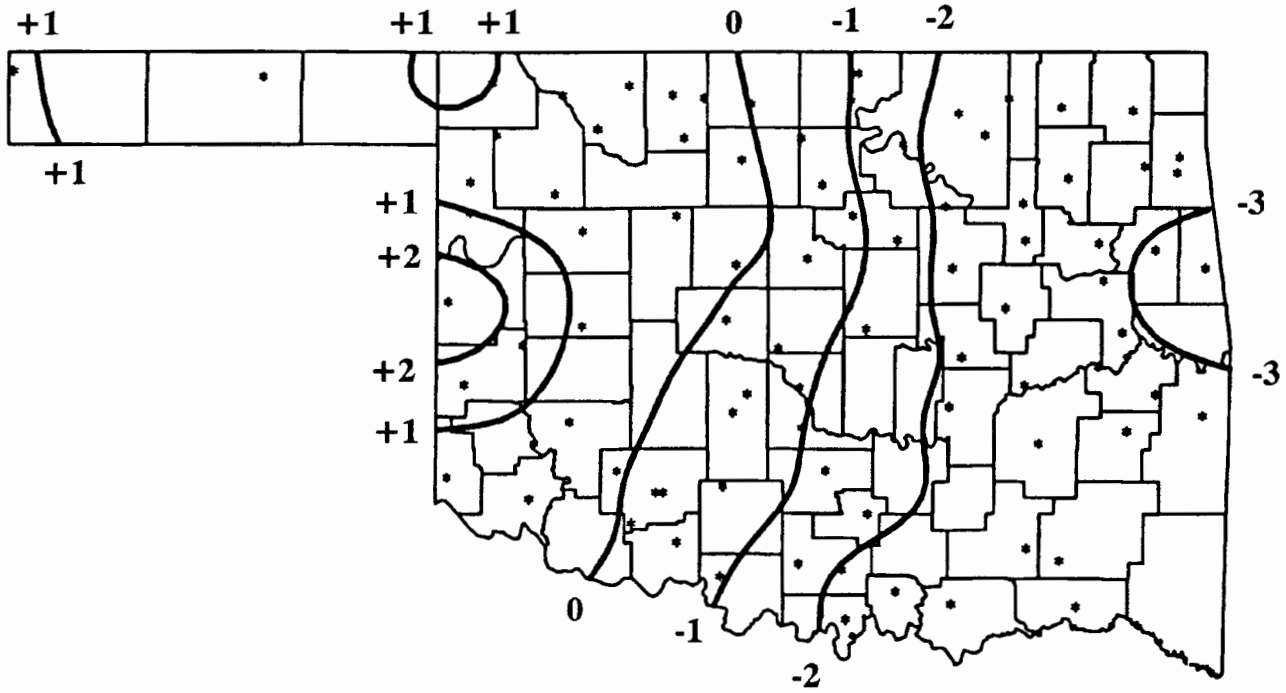
AUGUST 1994 TOTAL PRECIPITATION
(Inches)



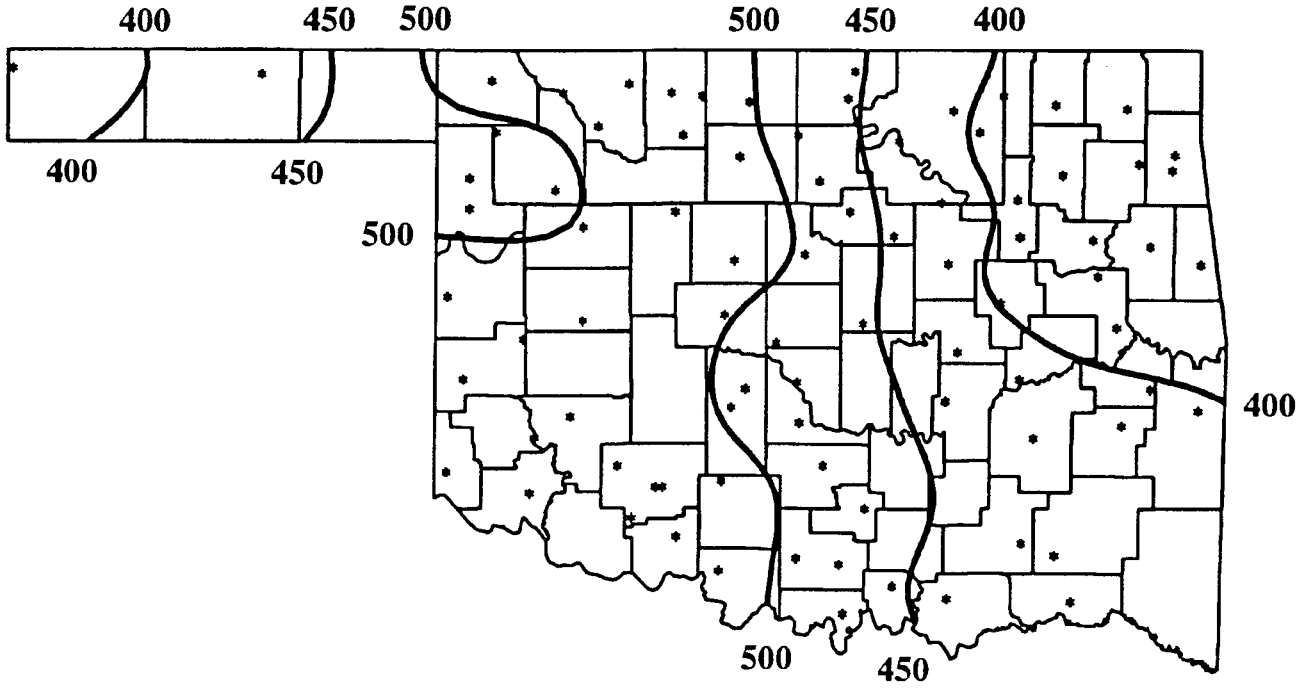
AUGUST 1994 DEVIATION FROM NORMAL PRECIPITATION
(Inches)



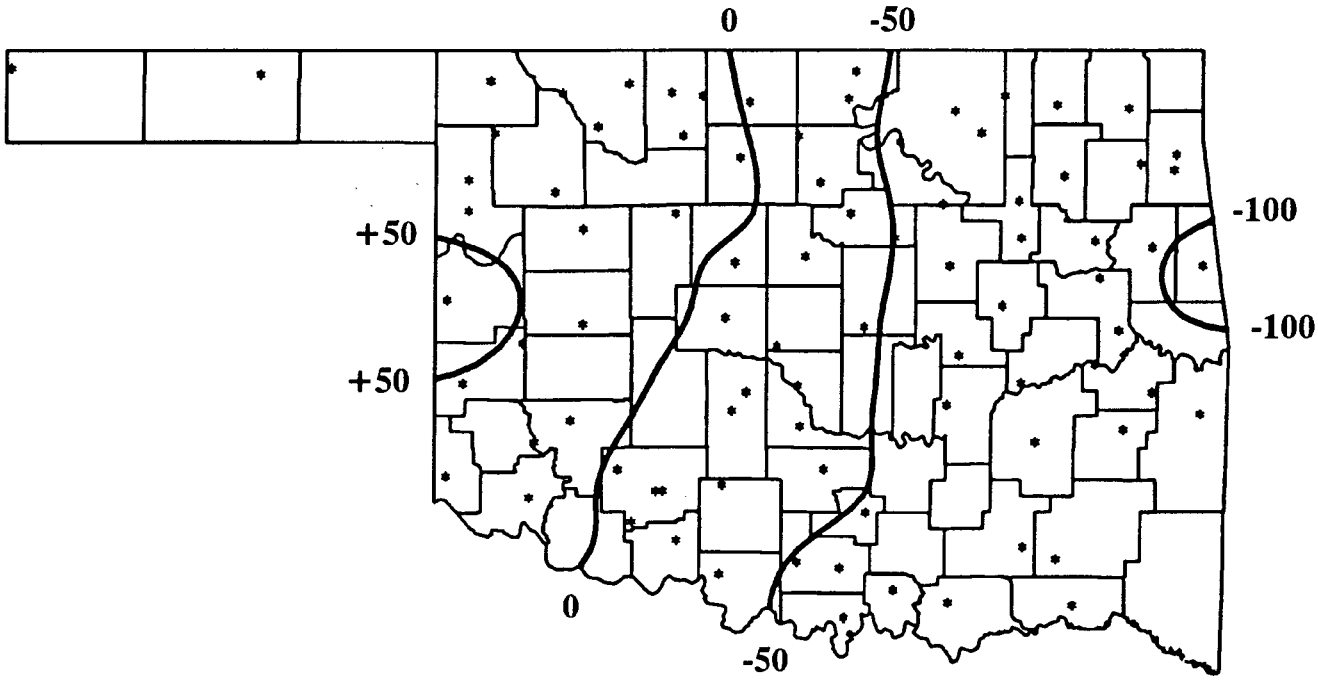
AUGUST 1994 AVERAGE MONTHLY TEMPERATURES
(Degrees F)



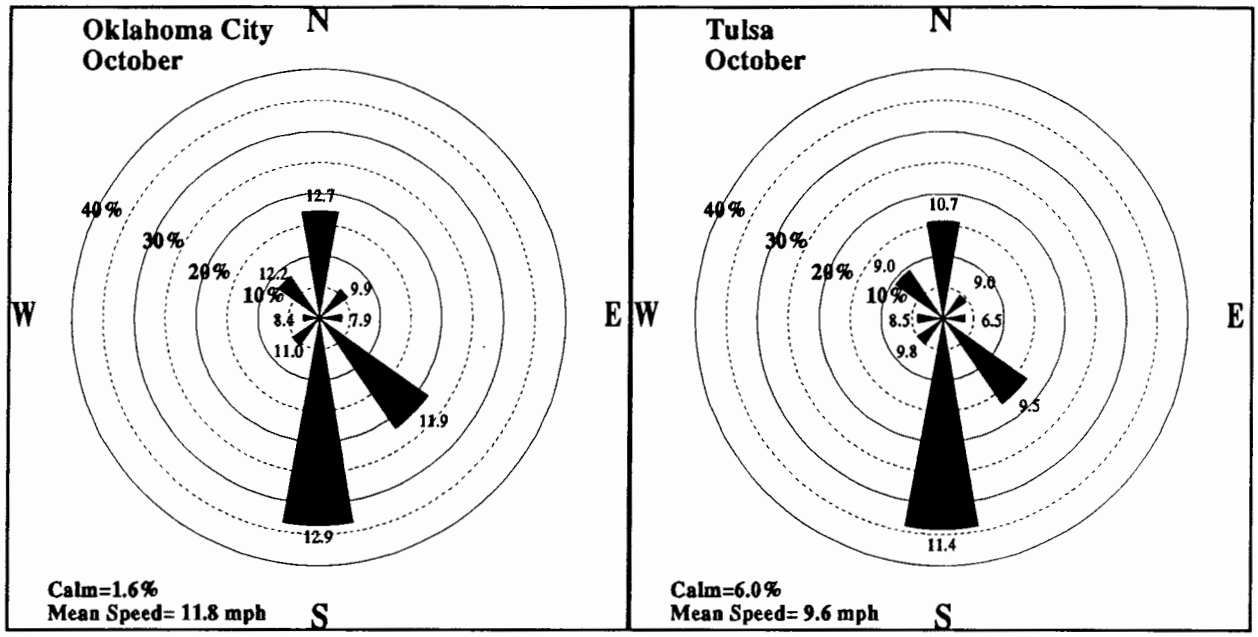
AUGUST 1994 DEVIATION FROM NORMAL TEMPERATURES
(Degrees F)



AUGUST 1994 COOLING DEGREE DAYS



AUGUST 1994 DEVIATION FROM NORMAL COOLING DEGREE DAYS



October 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.

OCTOBER 1994 SUNRISE AND SUNSET

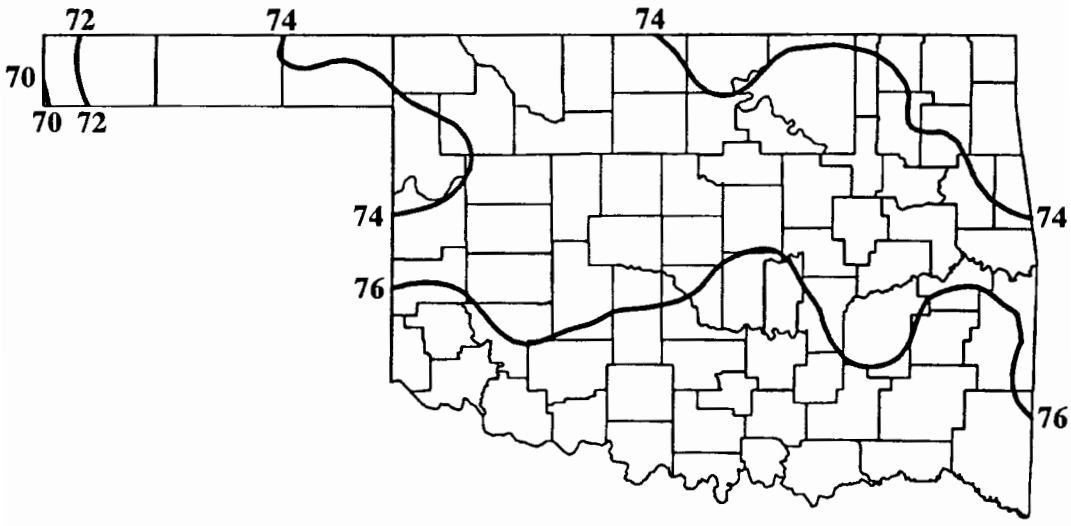
OKLAHOMA CITY

DATE	SUNRISE	SUNSET	DAYLIGHT
9410 1	7:24AM	7:16PM CDT	11 hrs 52 mins
9410 2	7:24AM	7:14PM CDT	11 hrs 50 mins
9410 3	7:25AM	7:13PM CDT	11 hrs 48 mins
9410 4	7:26AM	7:11PM CDT	11 hrs 46 mins
9410 5	7:27AM	7:10PM CDT	11 hrs 43 mins
9410 6	7:28AM	7: 9PM CDT	11 hrs 41 mins
9410 7	7:28AM	7: 7PM CDT	11 hrs 39 mins
9410 8	7:29AM	7: 6PM CDT	11 hrs 37 mins
9410 9	7:30AM	7: 5PM CDT	11 hrs 35 mins
941010	7:31AM	7: 3PM CDT	11 hrs 32 mins
941011	7:32AM	7: 2PM CDT	11 hrs 30 mins
941012	7:32AM	7: 1PM CDT	11 hrs 28 mins
941013	7:33AM	6:59PM CDT	11 hrs 26 mins
941014	7:34AM	6:58PM CDT	11 hrs 24 mins
941015	7:35AM	6:57PM CDT	11 hrs 22 mins
941016	7:36AM	6:55PM CDT	11 hrs 19 mins
941017	7:37AM	6:54PM CDT	11 hrs 17 mins
941018	7:38AM	6:53PM CDT	11 hrs 15 mins
941019	7:39AM	6:52PM CDT	11 hrs 13 mins
941020	7:39AM	6:50PM CDT	11 hrs 11 mins
941021	7:40AM	6:49PM CDT	11 hrs 9 mins
941022	7:41AM	6:48PM CDT	11 hrs 7 mins
941023	7:42AM	6:47PM CDT	11 hrs 5 mins
941024	7:43AM	6:46PM CDT	11 hrs 3 mins
941025	7:44AM	6:45PM CDT	11 hrs 1 mins
941026	7:45AM	6:44PM CDT	10 hrs 59 mins
941027	7:46AM	6:43PM CDT	10 hrs 57 mins
941028	7:47AM	6:42PM CDT	10 hrs 55 mins
941029	7:48AM	6:40PM CDT	10 hrs 53 mins
941030	7:49AM	6:39PM CDT	10 hrs 51 mins
* 941031	6:50AM	5:38PM CST	10 hrs 49 mins

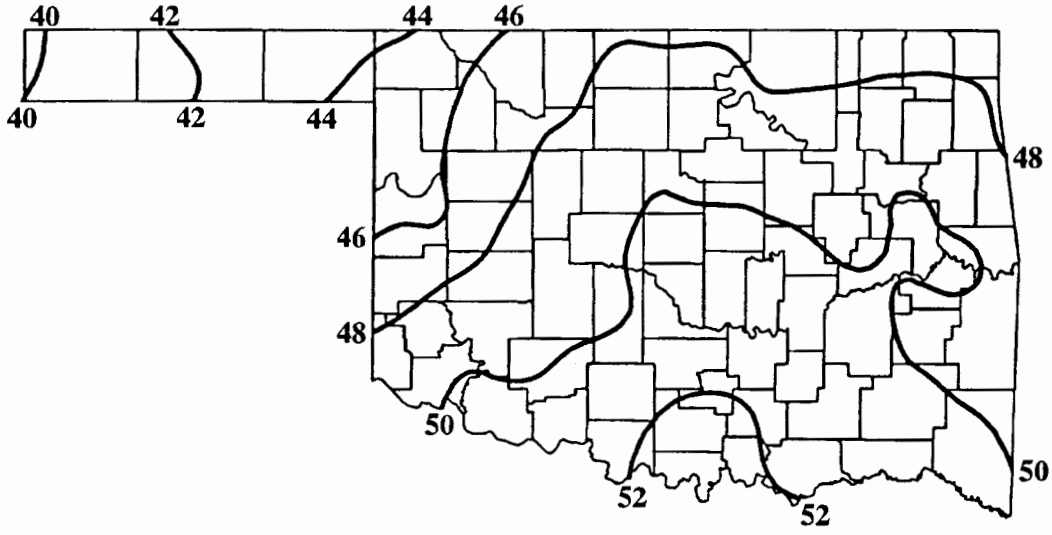
TULSA

DATE	SUNRISE	SUNSET	DAYLIGHT
9410 1	7:17AM	7: 9PM CDT	11 hrs 52 mins
9410 2	7:18AM	7: 7PM CDT	11 hrs 49 mins
9410 3	7:19AM	7: 6PM CDT	11 hrs 47 mins
9410 4	7:19AM	7: 4PM CDT	11 hrs 45 mins
9410 5	7:20AM	7: 3PM CDT	11 hrs 43 mins
9410 6	7:21AM	7: 1PM CDT	11 hrs 40 mins
9410 7	7:22AM	7: 0PM CDT	11 hrs 38 mins
9410 8	7:23AM	6:59PM CDT	11 hrs 36 mins
9410 9	7:24AM	6:57PM CDT	11 hrs 34 mins
941010	7:24AM	6:56PM CDT	11 hrs 31 mins
941011	7:25AM	6:55PM CDT	11 hrs 29 mins
941012	7:26AM	6:53PM CDT	11 hrs 27 mins
941013	7:27AM	6:52PM CDT	11 hrs 25 mins
941014	7:28AM	6:51PM CDT	11 hrs 23 mins
941015	7:29AM	6:49PM CDT	11 hrs 20 mins
941016	7:30AM	6:48PM CDT	11 hrs 18 mins
941017	7:31AM	6:47PM CDT	11 hrs 16 mins
941018	7:32AM	6:45PM CDT	11 hrs 14 mins
941019	7:32AM	6:44PM CDT	11 hrs 12 mins
941020	7:33AM	6:43PM CDT	11 hrs 9 mins
941021	7:34AM	6:42PM CDT	11 hrs 7 mins
941022	7:35AM	6:40PM CDT	11 hrs 5 mins
941023	7:36AM	6:39PM CDT	11 hrs 3 mins
941024	7:37AM	6:38PM CDT	11 hrs 1 mins
941025	7:38AM	6:37PM CDT	10 hrs 59 mins
941026	7:39AM	6:36PM CDT	10 hrs 57 mins
941027	7:40AM	6:35PM CDT	10 hrs 55 mins
941028	7:41AM	6:34PM CDT	10 hrs 53 mins
941029	7:42AM	6:33PM CDT	10 hrs 51 mins
941030	7:43AM	6:32PM CDT	10 hrs 49 mins
* 941031	6:44AM	5:31PM CST	10 hrs 47 mins

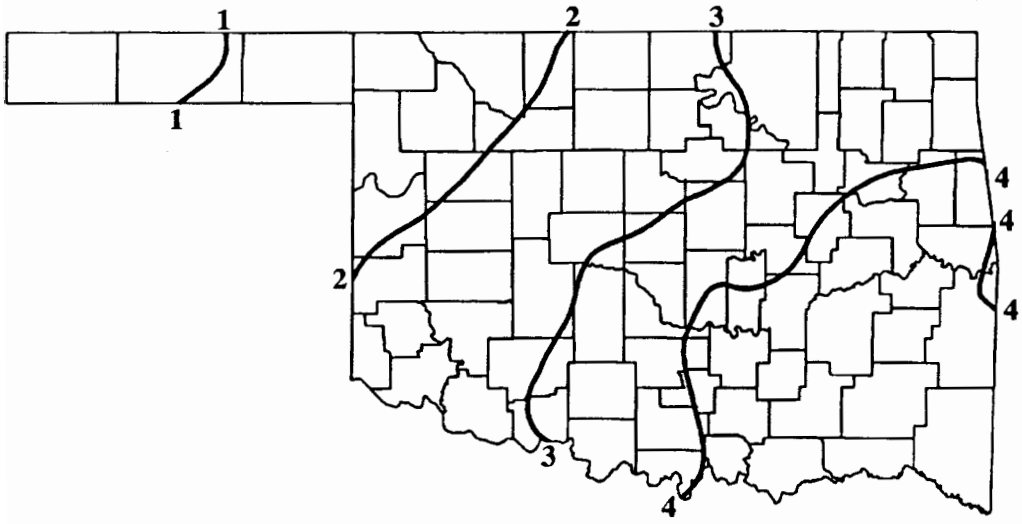
*Reflects the change from Central Daylight Saving Time to Central Standard Time



October Normal Daily Maximum Temperatures (°F)



October Normal Daily Minimum Temperatures (°F)



October Normal Monthly Precipitation (inches)

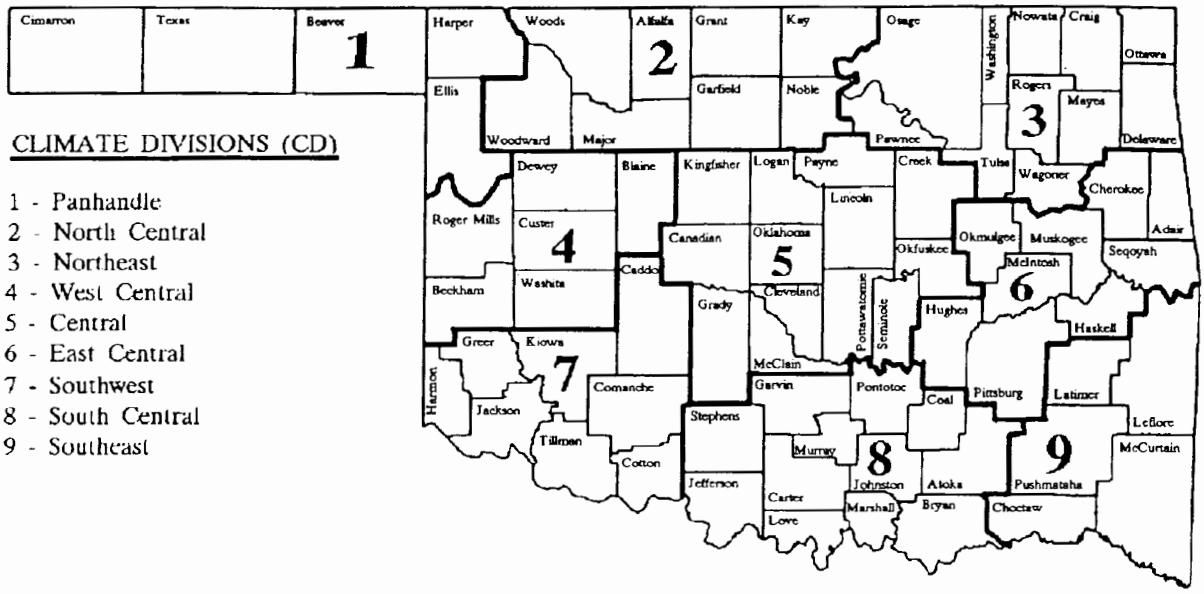
90-DAY NATIONAL WEATHER SERVICE OUTLOOK

(SEPTEMBER- NOVEMBER 1994)

Precipitation - Near Normal Statewide

Temperature - Below Normal Northeast
Near Normal Elsewhere

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

October 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
80.2 max		80.3 max		79.2 max		77.8 max		77.7 max		74.8 max		75.5 max	
54.6 min		55.6 min		55.9 min		55.9 min		55.3 min		53.8 min		52.2 min	
.08 ppt		.26 ppt		.18 ppt		.10 ppt		.10 ppt		.08 ppt		.08 ppt	
2 hdd		2 hdd		2 hdd		2 hdd		2 hdd		3 hdd		3 hdd	
5 cdd		5 cdd		4 cdd		4 cdd		4 cdd		3 cdd		2 cdd	
Highest Max	97-1938	Highest Max	97-1951	Highest Max	96-1951	Highest Max	96-1931	Highest Max	95-1947	Highest Max	94-1939	Highest Max	94-1979
Lowest Max	61-1985	Lowest Max	57-1902	Lowest Max	56-1959	Lowest Max	51-1902	Lowest Max	53-1988	Lowest Max	55-1891	Lowest Max	50-1976
Lowest Min	38-1958	Lowest Min	41-1975	Lowest Min	40-1975	Lowest Min	40-1891	Lowest Min	38-1932	Lowest Min	40-1976	Lowest Min	32-1952
Highest Min	74-1911	Highest Min	73-1911	Highest Min	73-1954	Highest Min	75-1911	Highest Min	69-1981	Highest Min	72-1931	Highest Min	73-1939
Greatest ppt	2.28-1959	Greatest ppt	4.52-1955	Greatest ppt	1.59-1981	Greatest ppt	2.22-1955	Greatest ppt	1.74-1970	Greatest ppt	1.38-1989	Greatest ppt	1.41-1967

Normal 8	Actual	Normal 9	Actual	Normal 10	Actual	Normal 11	Actual	Normal 12	Actual	Normal 13	Actual	Normal 14	Actual
76.0 max		77.1 max		76.9 max		76.5 max		76.6 max		77.4 max		76.2 max	
53.5 min		52.8 min		52.4 min		51.5 min		53.4 min		53.8 min		52.9 min	
.05 ppt		.08 ppt		.04 ppt		.11 ppt		.05 ppt		.06 ppt		.08 ppt	
4 hdd		3 hdd		3 hdd		4 hdd		4 hdd		3 hdd		3 hdd	
3 cdd		3 cdd		3 cdd		3 cdd		4 cdd		4 cdd		3 cdd	
Highest Max	94-1979	Highest Max	96-1965	Highest Max	95-1965	Highest Max	94-1979	Highest Max	94-1978	Highest Max	90-1963	Highest Max	91-1950
Lowest Max	50-1970	Lowest Max	52-1909	Lowest Max	49-1985	Lowest Max	51-1987	Lowest Max	47-1986	Lowest Max	52-1969	Lowest Max	47-1923
Lowest Min	35-1976	Lowest Min	34-1892	Lowest Min	35-1979	Lowest Min	35-1896	Lowest Min	34-1987	Lowest Min	36-1893	Lowest Min	32-1969
Highest Min	71-1949	Highest Min	72-1949	Highest Min	71-1973	Highest Min	66-1972	Highest Min	70-1928	Highest Min	72-1899	Highest Min	70-1899
Greatest ppt	.90-1978	Greatest ppt	2.09-1961	Greatest ppt	.94-1985	Greatest ppt	1.88-1981	Greatest ppt	2.45-1923	Greatest ppt	1.44-1923	Greatest ppt	2.45-1956

Normal 15	Actual	Normal 16	Actual	Normal 17	Actual	Normal 18	Actual	Normal 19	Actual	Normal 20	Actual	Normal 21	Actual
74.2 max		74.6 max		73.2 max		72.1 max		71.6 max		72.0 max		71.8 max	
52.4 min		50.0 min		49.8 min		49.1 min		47.3 min		48.4 min		48.8 min	
.09 ppt		.06 ppt		.07 ppt		.15 ppt		.14 ppt		.23 ppt		.15 ppt	
4 hdd		5 hdd		5 hdd		5 hdd		7 hdd		6 hdd		6 hdd	
2 cdd		2 cdd		2 cdd		1 cdd		1 cdd		1 cdd		1 cdd	
Highest Max	92-1962	Highest Max	95-1917	Highest Max	95-1972	Highest Max	91-1932	Highest Max	92-1894	Highest Max	93-1979	Highest Max	90-1978
Lowest Max	54-1914	Lowest Max	54-1941	Lowest Max	51-1925	Lowest Max	50-1989	Lowest Max	46-1925	Lowest Max	42-1910	Lowest Max	46-1930
Lowest Min	38-1974	Lowest Min	31-1977	Lowest Min	33-1976	Lowest Min	33-1898	Lowest Min	25-1917	Lowest Min	26-1976	Lowest Min	30-1917
Highest Min	68-1968	Highest Min	67-1965	Highest Min	68-1934	Highest Min	67-1934	Highest Min	69-1979	Highest Min	72-1979	Highest Min	66-1941
Greatest ppt	1.46-1953	Greatest ppt	1.08-1981	Greatest ppt	1.43-1942	Greatest ppt	2.34-1960	Greatest ppt	4.98-1983	Greatest ppt	5.45-1983	Greatest ppt	3.70-1972

Normal 22	Actual	Normal 23	Actual	Normal 24	Actual	Normal 25	Actual	Normal 26	Actual	Normal 27	Actual	Normal 28	Actual
71.3 max		69.6 max		69.0 max		68.7 max		70.4 max		69.3 max		67.7 max	
49.2 min		48.7 min		46.3 min		46.0 min		46.3 min		46.4 min		45.6 min	
.13 ppt		.06 ppt		.05 ppt		.06 ppt		.04 ppt		.09 ppt		.07 ppt	
6 hdd		7 hdd		8 hdd		8 hdd		7 hdd		8 hdd		9 hdd	
1 cdd		1 cdd		0 cdd		0 cdd		1 cdd		1 cdd		0 cdd	
Highest Max	87-1939	Highest Max	89-1927	Highest Max	88-1927	Highest Max	87-1939	Highest Max	92-1891	Highest Max	86-1922	Highest Max	89-1938
Lowest Max	42-1936	Lowest Max	45-1895	Lowest Max	48-1949	Lowest Max	43-1957	Lowest Max	42-1935	Lowest Max	43-1919	Lowest Max	34-1925
Lowest Min	31-1898	Lowest Min	26-1917	Lowest Min	32-1917	Lowest Min	29-1957	Lowest Min	26-1957	Lowest Min	22-1957	Lowest Min	22-1925
Highest Min	65-1941	Highest Min	67-1934	Highest Min	68-1939	Highest Min	68-1939	Highest Min	71-1939	Highest Min	66-1940	Highest Min	65-1961
Greatest ppt	1.87-1953	Greatest ppt	1.58-1920	Greatest ppt	1.44-1920	Greatest ppt	1.65-1899	Greatest ppt	3.76-1918	Greatest ppt	3.19-1984	Greatest ppt	1.38-1991

Normal 29	Actual	Normal 30	Actual	Normal 31	Actual
69.4 max		69.1 max		67.8 max	
46.8 min		46.4 min		46.7 min	
.08 ppt		.19 ppt		.12 ppt	
7 hdd		8 hdd		9 hdd	
1 cdd		1 cdd		1 cdd	
Highest Max	89-1950	Highest Max	87-1937	Highest Max	86-1938
Lowest Max	34-1925	Lowest Max	39-1993	Lowest Max	36-1991
Lowest Min	22-1917	Lowest Min	16-1917	Lowest Min	16-1993
Highest Min	67-1961	Highest Min	67-1946	Highest Min	65-1982
Greatest ppt	1.61-1941	Greatest ppt	2.84-1974	Greatest ppt	1.82-1972

OCTOBER AVERAGES

TEMPERATURE	:	62.1°F
PRECIPITATION	:	3.13"
HEATING DEGREE DAYS	:	155
COOLING DEGREE DAYS	:	67

TULSA CLIMATE CALENDAR

October 1994

This 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
81.0 max		81.0 max		80.0 max		80.0 max		78.0 max		77.0 max		77.0 max	
54.0 min		56.0 min		56.0 min		56.0 min		55.0 min		53.0 min		53.0 min	
.08 ppt		.18 ppt		.05 ppt		.12 ppt		.18 ppt		.12 ppt		.05 ppt	
2 hdd		2 hdd		2 hdd		2 hdd		2 hdd		3 hdd		3 hdd	
5 cdd		5 cdd		5 cdd		5 cdd		4 cdd		3 cdd		3 cdd	
Highest Max 97-1910		Highest Max 96-1978		Highest Max 95-1963		Highest Max 97-1931		Highest Max 95-1947		Highest Max 98-1939		Highest Max 98-1979	
Lowest Max 62-1985		Lowest Max 65-1961		Lowest Max 63-1959		Lowest Max 64-1950		Lowest Max 50-1988		Lowest Max 57-1988		Lowest Max 52-1988	
Lowest Min 38-1985		Lowest Min 39-1975		Lowest Min 39-1987		Lowest Min 39-1968		Lowest Min 37-1964		Lowest Min 35-1932		Lowest Min 33-1952	
Highest Min 66-1971		Highest Min 73-1954		Highest Min 74-1983		Highest Min 70-1954		Highest Min 73-1981		Highest Min 68-1990		Highest Min 67-1970	
Greatest ppt 2.95-1986		Greatest ppt 5.45-1959		Greatest ppt 1.46-1990		Greatest ppt 2.17-1955		Greatest ppt 2.17-1970		Greatest ppt 3.24-1951		Greatest ppt 1.12-1962	

Normal 8	Actual	Normal 9	Actual	Normal 10	Actual	Normal 11	Actual	Normal 12	Actual	Normal 13	Actual	Normal 14	Actual
77.0 max		78.0 max		77.0 max		78.0 max		76.0 max		77.0 max		77.0 max	
53.0 min		53.0 min		52.0 min		52.0 min		54.0 min		54.0 min		53.0 min	
.06 ppt		.03 ppt		.03 ppt		.17 ppt		.18 ppt		.09 ppt		.19 ppt	
3 hdd		3 hdd		4 hdd		4 hdd		3 hdd		3 hdd		3 hdd	
3 cdd		4 cdd		3 cdd		3 cdd		4 cdd		4 cdd		3 cdd	
Highest Max 97-1979		Highest Max 97-1963		Highest Max 95-1963		Highest Max 94-1979		Highest Max 94-1978		Highest Max 92-1963		Highest Max 92-1963	
Lowest Max 56-1990		Lowest Max 53-1990		Lowest Max 57-1993		Lowest Max 50-1987		Lowest Max 49-1986		Lowest Max 54-1986		Lowest Max 59-1974	
Lowest Min 32-1952		Lowest Min 32-1917		Lowest Min 30-1925		Lowest Min 30-1906		Lowest Min 32-1921		Lowest Min 32-1917		Lowest Min 34-1937	
Highest Min 72-1979		Highest Min 70-1973		Highest Min 72-1973		Highest Min 69-1962		Highest Min 71-1962		Highest Min 71-1956		Highest Min 69-1968	
Greatest ppt 1.61-1970		Greatest ppt .91-1968		Greatest ppt .61-1949		Greatest ppt 2.20-1973		Greatest ppt 3.37-1969		Greatest ppt 1.30-1981		Greatest ppt 1.85-1984	

Normal 15	Actual	Normal 16	Actual	Normal 17	Actual	Normal 18	Actual	Normal 19	Actual	Normal 20	Actual	Normal 21	Actual
75.0 max		74.0 max		75.0 max		74.0 max		73.0 max		74.0 max		74.0 max	
52.0 min		50.0 min		49.0 min		49.0 min		48.0 min		49.0 min		49.0 min	
.10 ppt		.06 ppt		.04 ppt		.14 ppt		.08 ppt		.30 ppt		.13 ppt	
4 hdd		5 hdd		5 hdd		5 hdd		6 hdd		5 hdd		5 hdd	
3 cdd		2 cdd		2 cdd		2 cdd		2 cdd		2 cdd		2 cdd	
Highest Max 91-1963		Highest Max 93-1917		Highest Max 90-1947		Highest Max 91-1932		Highest Max 89-1940		Highest Max 91-1979		Highest Max 92-1978	
Lowest Max 60-1970		Lowest Max 58-1976		Lowest Max 52-1966		Lowest Max 51-1989		Lowest Max 50-1976		Lowest Max 53-1972		Lowest Max 53-1984	
Lowest Min 38-1966		Lowest Min 32-1966		Lowest Min 30-1976		Lowest Min 29-1948		Lowest Min 27-1917		Lowest Min 30-1976		Lowest Min 30-1917	
Highest Min 69-1968		Highest Min 69-1965		Highest Min 66-1988		Highest Min 66-1979		Highest Min 73-1979		Highest Min 76-1979		Highest Min 66-1963	
Greatest ppt 1.36-1967		Greatest ppt .68-1984		Greatest ppt .71-1993		Greatest ppt 1.94-1960		Greatest ppt 1.73-1983		Greatest ppt 4.96-1971		Greatest ppt 2.98-1972	

Normal 22	Actual	Normal 23	Actual	Normal 24	Actual	Normal 25	Actual	Normal 26	Actual	Normal 27	Actual	Normal 28	Actual
73.0 max		70.0 max		69.0 max		69.0 max		71.0 max		70.0 max		69.0 max	
50.0 min		49.0 min		46.0 min		46.0 min		46.0 min		46.0 min		45.0 min	
.16 ppt		.09 ppt		.05 ppt		.11 ppt		.06 ppt		.11 ppt		.12 ppt	
5 hdd		6 hdd		8 hdd		8 hdd		7 hdd		8 hdd		8 hdd	
1 cdd		1 cdd		1 cdd		1 cdd		1 cdd		1 cdd		0 cdd	
Highest Max 88-1963		Highest Max 92-1939		Highest Max 88-1921		Highest Max 91-1939		Highest Max 90-1950		Highest Max 88-1922		Highest Max 86-1922	
Lowest Max 57-1984		Lowest Max 50-1981		Lowest Max 50-1972		Lowest Max 48-1957		Lowest Max 46-1957		Lowest Max 51-1970		Lowest Max 43-1980	
Lowest Min 31-1911		Lowest Min 25-1937		Lowest Min 24-1917		Lowest Min 31-1925		Lowest Min 27-1957		Lowest Min 27-1957		Lowest Min 23-1925	
Highest Min 63-1953		Highest Min 70-1991		Highest Min 65-1963		Highest Min 65-1963		Highest Min 60-1991		Highest Min 64-1984		Highest Min 62-1991	
Greatest ppt 1.20-1953		Greatest ppt 1.24-1970		Greatest ppt .63-1984		Greatest ppt 1.43-1954		Greatest ppt 1.61-1991		Greatest ppt 1.35-1973		Greatest ppt 2.45-1974	

Normal 29	Actual	Normal 30	Actual	Normal 31	Actual
69.0 max		70.0 max		69.0 max	
45.0 min		48.0 min		49.0 min	
.14 ppt		.19 ppt		.18 ppt	
8 hdd		7 hdd		7 hdd	
1 cdd		1 cdd		1 cdd	
Highest Max 90-1950		Highest Max 90-1937		Highest Max 87-1950	
Lowest Max 46-1976		Lowest Max 41-1993		Lowest Max 41-1991	
Lowest Min 23-1913		Lowest Min 15-1917		Lowest Min 18-1993	
Highest Min 66-1961		Highest Min 64-1977		Highest Min 68-1982	
Greatest ppt 1.28-1967		Greatest ppt 1.73-1974		Greatest ppt 3.12-1981	

OCTOBER AVERAGES

TEMPERATURE	:	**62.6°F**
PRECIPITATION	:	**3.59"**
HEATING DEGREE DAYS	:	**146**
COOLING DEGREE DAYS	:	**78**