

OKLAHOMA MONTHLY SUMMARY JUNE 1996

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MONTHLY SUMMARY FOR JUNE 1996

Welcome precipitation fell over most of Oklahoma during June, but the state still registered less-than-normal monthly precipitation for the eighth time in the last nine months. The June statewide-averaged precipitation of 3.71 inches was .24 inch lower than normal, ranking as the 53rd driest June since 1892. Northern and central Oklahoma generally continued dry throughout the month, although precipitation amounts varied greatly from station to station. The extent of the drought of recent months is apparent in the longer term precipitation record. Thus far, 1996 is the 8th driest year on record and the driest since 1972, with a total precipitation of 11.34 inches, 6.37 inches below normal. Statewide precipitation since October 1 is a meager 14.82 inches, 10.10 inches less than normal, the 3rd lowest October through June precipitation ever recorded for Oklahoma. This ranks behind 1910-11 (12.74 inches) and 1955-56 (14.78 inches).

Temperatures for the month averaged 77.8 degrees, .8 degree above normal, to rank 35th warmest all time. The year-to-date average temperature for the state is 56.2 degrees, .3 degree greater than normal, making this the 45th warmest first half of a year in Oklahoma.

Transient weather systems finally started reaching Oklahoma again during the first half of the month. Madill (Marshall County) reported 4.10 inches of rain on the 1st. Other local downpours in south central Oklahoma included 3.50 inches at Duncan (Stephens), 3.40 inches at Pauls Valley (Garvin), 3.29 inches at Lindsay (Garvin), 3.25 inches at Purcell (McClain) and 3.20 inches at Tishomingo (Johnston). Damaging winds and large hail were reported frequently through the first week of the month. A possible tornado was reported just southwest of McAlester (Pittsburg) on the 6th.

The generally moist pattern persisted through the 17th, but precipitation remained localized rendering the rainfall ineffective at alleviating the drought in many areas. A slow moving thunderstorm southwest of Cheyenne (Roger Mills) dropped 10.65 inches of rain in about six hours, as measured by the local Oklahoma Mesonet automated weather observing site. Most of the precipitation (9.43 inches) fell in two hours between shortly before 10 PM and shortly before midnight. Roosevelt (Kiowa) reported 4.50 inches of rain on the 16th and several stations reported daily rainfall amounts of two inches or more from the 12th through the 17th.

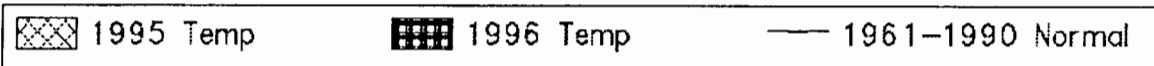
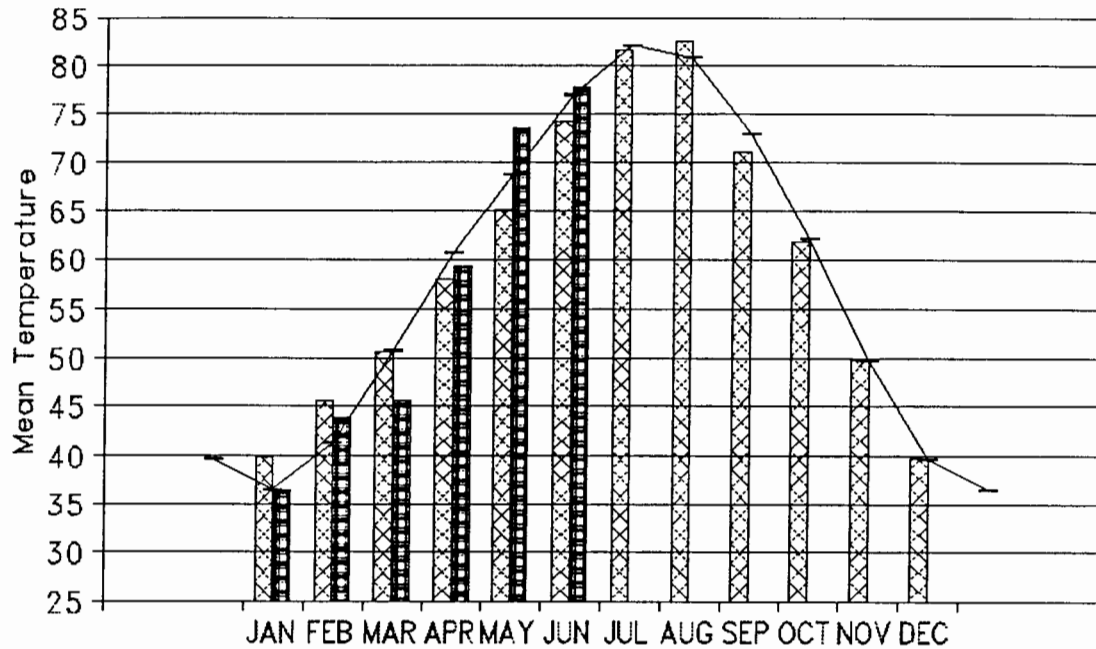
Drier and hotter weather dominated the state from the 18th through the 24th. Hundred-degree-plus temperatures were commonplace in the west, although locally heavy thunderstorms could still pack a punch. The National Weather Service observer at Hollis (Harmon) reported winds of 121 miles per hour during a thunderstorm on the 18th and a brief tornado was reported in northern Tulsa County on the 19th. Chattanooga (Comanche) reached 108 degrees on the 19th with Altus (Jackson) and Frederick (Tillman) chipping in with 107 degree readings.

Heavy rains produced local flooding in northwest Oklahoma on the 23rd when 4.25 inches reportedly fell near Goodwin (Ellis) and on the 25th when 4.72 inches of rain fell at Boise City, closing a highway and washing out a rail crossing.

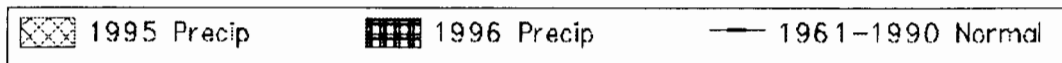
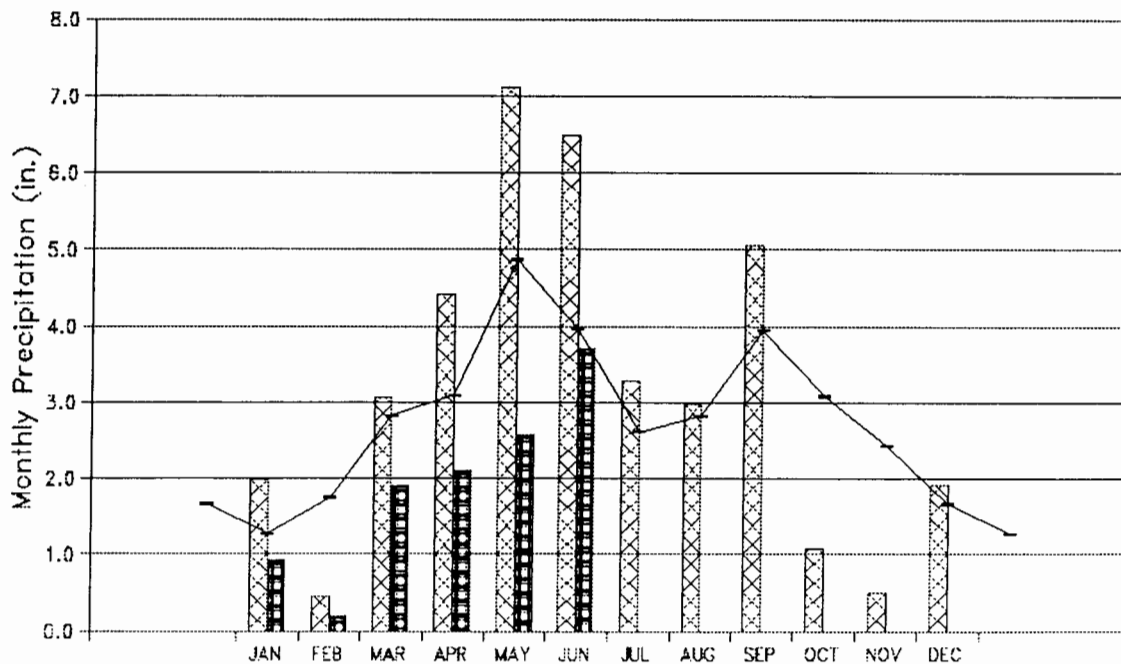
Summer asserted itself from the 26th through the end of the month, as precipitation decreased, statewide, and temperatures reached triple digits in much of southern, western and central Oklahoma, peaking at 105 degrees at Alva (Woods) on the 29th.

Howard L. Johnson

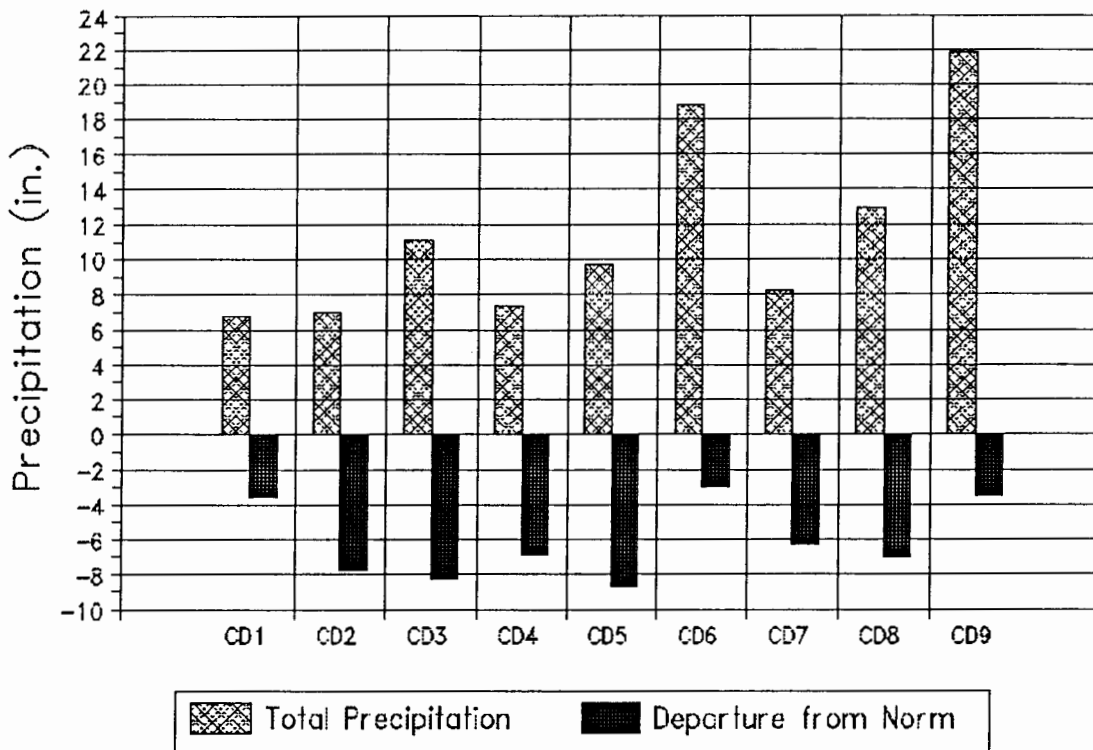
1995 and 1996 STATEWIDE TEMPERATURES Monthly Averages



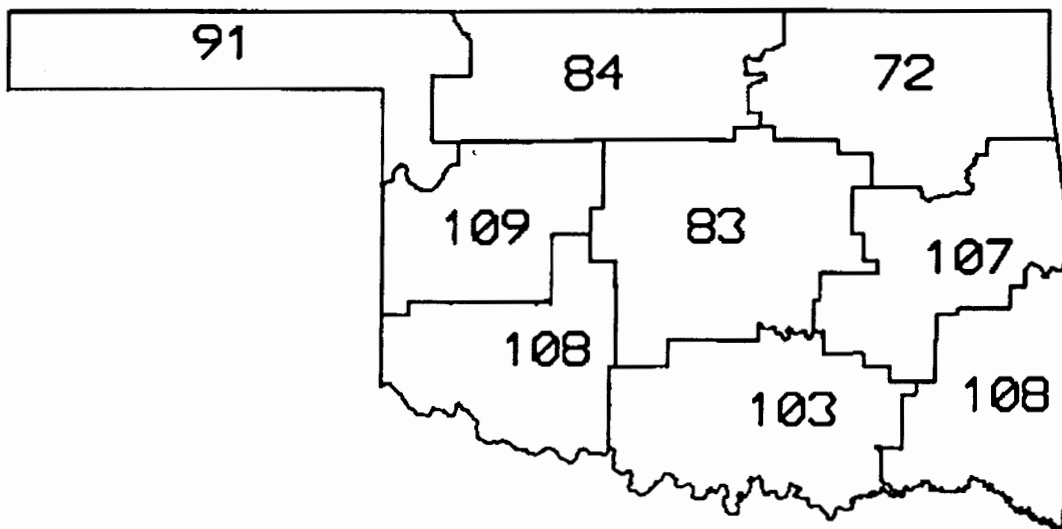
1995 and 1996 STATEWIDE PRECIPITATION Monthly Totals



CD Averaged Precipitation January through June 1996



CD PERCENT OF NORMAL PRECIPITATION



JUNE 1996

EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION
JUNE, 1996

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	105	21	BUFFALO	43	8	GAGE	4.72	25	BOISE CITY	8.31	BOISE CITY
	105	22	GATE	43	9	GAGE					
2	105	29	ALVA	45	9	FREEDOM	2.18	17	HELENA	5.74	MEDFORD
3	101	30	BARTLESVILLE	48	3	MIAMI	2.18	17	HOMINY	4.77	KEYSTONE DAM
4	102	20	TALOGA	47	9	HAMMON	3.15	1	COLONY	7.46	COLONY
5	103	30	GUTHRIE	49	9	GUTHRIE	3.25	1	PURCELL	7.75	PURCELL
				49	12	GUTHRIE					
6	99	30	MCALESTER	52	2	STILWELL	1.88	1	MCALESTER	6.52	HARTSHORNE
				52	10	STILWELL					
7	108	19	CHATTANOOGA	48	9	WICHITA MT	4.50	16	ROOSEVELT	7.95	VINSON
8	103	19	MARLOW 1	48	9	CHICKASAW	4.10	1	MADILL	8.20	PAULS VALLEY
	103	19	WAURIKA	48	4	LINDSAY					
9	104	26	PINE CREEK	50	9	TUSKAHOMA	2.52	13	CARNASAW	5.93	IDABEL

TABLE OF 1995/1996 COMPARISONS

Station	JUNE Temperature (oF)		JUNE Precipitation (in.)	
	1995	1996	1995	1996
Arnett	69.9	74.6	6.03	4.22
Mutual	74.7	76.5	8.82	2.80
Tulsa	74.3	78.2	9.67	3.64
Elk City	73.4	77.8	6.31	4.69
Oklahoma City	73.0	77.8	6.06	2.21
McAlester	75.8	78.6	6.43	3.40
Altus Irr Station	75.7	81.3	9.26	4.08
Ardmore	76.2	78.2	6.81	3.61
Idabel	75.3	76.1	1.67	5.93

Variable	EXTREMES			
	Station	Division	Observation	Date
Minimum temperature (oF)	Gage	1	43	8
	Gage	1	43	8
Maximum temperature (oF)	Chattanooga	7	108	19
Maximum 24-hour precipitation	Boise City	1	4.72"	25

JUNE 1996 SUMMARY FOR THE PANHANDLE DIVISION (CD1)

NAME	ID	CD	DEV						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	DAY	MIN TEMP										DAY
ARNETT	332	1	74.6	30	-.1	94.	30	48.	8	7.0	7.0	293.5	-1.5	4.221	30	.52	1.90	1
BEAVER	593	1	76.5	30	1.6	102.	22	51.	7	.5	-7.5	346.5	41.5	1.531	30	-1.96	.50	25
BOISE CITY 2 E	908	1	74.3	30	1.3	102.	21	47.	9	.5	-7.5	281.0	30.0	8.314	30	5.52	4.72	25
BUFFALO	1243	1	79.9	30	2.4	105.	21	48.	9	.0	.0	447.5	72.5	3.400	30	-.59	1.80	12
FARGO	3070	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.961	30	-1.35	.68	1
GAGE FAA APT	3407	1	75.5	29	-.8	100.	20	43.	9	8.5	8.5	312.5	-26.5	2.007	30	-.90	.68	11
GATE	3489	1	77.8	30	1.5	105.	22	50.	8	3.5	-1.5	388.0	44.0	1.171	30	-1.74	.33	25
GOODWELL RES ST	3628	1	76.1	30	3.0	102.	22	49.	8	1.0	-7.0	332.5	81.5	2.421	30	-.26	.69	30
GUYMON	3835	1	76.2	30	*****	99.	21	45.	8	3.0	*****	338.0	*****	3.100	30	*****	1.37	26
HOOVER	4298	1	75.8	30	1.0	101.	22	47.	8	3.0	-3.0	327.5	27.5	2.044	30	-.90	.61	13
KENTON	4766	1	74.6	30	2.7	102.	19	49.	8	.0	-12.0	286.5	67.5	1.553	30	-.61	.40	26
LAVERNE	5045	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.914	30	-1.16	.56	12
RANGE	7412	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.715	30	*****	.43	16
REGNIER	7534	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.962	30	1.72	.98	26
TURPIN 4 SSE	9017	1	75.9	27	*****	101.	22	46.	8	5.0	*****	299.5	*****	1.560	27	*****	.82	30

JUNE 1996 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 FROM NORM	MAX 24-HR	DAY	
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	DAY	MIN TEMP										DAY
ALVA	193	2	80.2	30	*****	105.	29	52.	9	.0	*****	456.5	*****	1.750	30	*****	.44	25
VANCE AFB	302	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.821	30	*****	.78	6
BILLINGS	755	2	77.4	30	.3	99.	21	50.	9	3.0	3.0	375.0	12.0	2.990	30	-1.16	1.26	1
BLACKWELL 2E	818	2	79.3	30	2.1	102.	30	55.	9	.0	.0	430.0	64.0	3.452	30	-.46	1.02	17
BRAMAN	1075	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.750	30	*****	1.12	1
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.373	30	*****	1.91	1
CHEROKEE	1724	2	79.8	28	*****	102.	30	52.	9	.5	*****	415.0	*****	3.880	30	.06	1.10	17
ENID	2912	2	79.4	30	1.3	100.	30	54.	9	.0	.0	432.0	39.0	4.890	30	.75	1.68	16
FT SUPPLY DAM	3304	2	76.7	27	*****	99.	30	50.	8	2.5	*****	318.0	*****	3.083	30	.09	1.70	12
FREEDOM	3358	2	76.7	30	-.9	102.	21	45.	9	3.5	3.5	354.0	-24.0	2.170	30	-.97	.74	15
GREAT SALT PLNS	3740	2	78.2	22	*****	100.	30	52.	1	1.5	*****	291.0	*****	5.251	23	*****	1.16	17
HARDY	3909	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.800	30	*****	1.10	17
HELENA 1 SSE	4019	2	78.6	30	2.3	102.	30	51.	9	1.5	1.5	409.5	70.5	4.971	30	1.15	2.18	17
JEFFERSON	4573	2	78.4	30	.0	100.	30	50.	9	.0	.0	403.5	1.5	4.160	30	.12	1.25	24
LAMONT	5013	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.650	30	*****	1.63	17
MEDFORD	5768	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.740	30	*****	1.45	24
MORRISON	6065	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.870	30	*****	1.20	1
MUTUAL	6139	2	76.5	30	.6	103.	21	50.	8	4.0	4.0	349.0	18.0	2.801	30	-.51	.70	1
NEWKIRK	6278	2	80.3	26	*****	102.	18	51.	8	3.0	*****	401.0	*****	3.460	27	*****	1.30	1
ORIENTA	6751	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.310	30	-1.40	.77	17
PERRY	7012	2	79.9	30	2.3	102.	30	52.	9	.0	.0	448.5	67.5	2.740	30	-1.15	.92	7
PONCA CITY FAA	7201	2	80.3	30	3.3	104.	30	54.	9	.0	.0	460.5	100.5	3.574	30	-.35	1.36	1
RED ROCK 1 NNE	7505	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.110	30	-1.98	.84	1
WAYNOKA	9404	2	79.4	30	1.6	104.	20	46.	9	.0	.0	432.0	48.0	.570	30	-2.92	.29	1
WOODWARD	9760	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.991	30	-1.19	.82	4

JUNE 1996 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	CD	DEV						HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	DEV FROM NORM	MAX 24-HR DAY			
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN TEMP	DAY										
BARNSDALL	535	3	76.7	30	-.1	99.	30	49.	9	1.5	1.5	352.0	-2.0	3.920	30	-.82	1.77	19
BARTLESVILLE 2W	548	3	77.9	30	1.1	101.	30	53.	9	.5	.5	388.5	34.5	4.330	30	.28	1.80	5
BIXBY	782	3	76.4	28	****	96.	19	55.	9	.5	*****	319.5	*****	3.360	30	-1.26	1.30	19
BURBANK	1256	3	****	0	****	****	0	****	0	*****	*****	*****	*****	2.722	30	-1.58	1.45	1
CHELSEA 4 S	1717	3	****	0	****	****	0	****	0	*****	*****	*****	*****	2.980	30	*****	1.42	1
CLAREMORE	1828	3	76.0	30	.4	96.	19	54.	9	6.0	6.0	336.5	18.5	2.870	30	-1.73	1.80	1
CLEVELAND 5 WSW	1902	3	77.9	30	****	98.	30	53.	9	.5	*****	387.5	*****	2.581	30	*****	1.15	1
FORAKER	3250	3	****	0	****	****	0	****	0	*****	*****	*****	*****	1.670	30	-2.23	.93	28
HOLLOW	4258	3	****	0	****	****	0	****	0	*****	*****	*****	*****	3.981	30	-.69	1.37	17
HOMINY	4289	3	****	0	****	****	0	****	0	*****	*****	*****	*****	4.311	30	.42	2.18	17
HULAH DAM	4393	3	75.6	20	****	95.	19	50.	10	.0	*****	212.0	*****	4.450	23	*****	2.12	5
JAY TOWER	4567	3	70.9	14	****	91.	14	56.	10	1.0	*****	83.0	*****	1.650	30	*****	1.16	19
KANSAS 1 ESE	4672	3	75.4	29	.7	91.	26	54.	9	2.0	2.0	305.0	14.0	3.975	30	-1.01	1.32	1
KEYSTONE DAM	4812	3	74.9	29	-.7	98.	19	52.	15	.0	.0	286.5	-31.5	4.770	30	.67	2.10	1
LENAPAH	5118	3	****	0	****	****	0	****	0	*****	*****	*****	*****	3.830	30	*****	2.05	17
MANNFORD 6 NW	5522	3	77.4	29	.8	100.	30	51.	9	.5	.5	359.0	11.0	3.450	31	-.43	1.70	1
MARAMEC	5540	3	****	0	****	****	0	****	0	*****	*****	*****	*****	3.480	30	-.32	1.12	1
MIAMI	5855	3	72.2	23	****	96.	18	48.	3	5.5	*****	171.0	*****	3.730	24	*****	1.79	19
NOWATA	6485	3	77.0	30	.6	99.	30	55.	9	.5	.5	360.5	18.5	2.861	30	-1.70	1.20	1
OLOGAH DAM	6729	3	76.5	30	****	98.	19	52.	8	2.5	*****	347.5	*****	2.060	30	*****	1.17	1
PAWHUSKA	6935	3	77.1	30	.9	99.	30	51.	9	1.0	1.0	365.0	29.0	3.310	31	-1.23	1.52	19
PAWNEE	6940	3	****	0	****	****	0	****	0	*****	*****	*****	*****	2.570	30	-1.27	.98	1
PRYOR 6 N	7309	3	76.8	30	1.5	95.	21	56.	10	.0	.0	354.0	45.0	4.011	30	-.98	1.02	1
RALSTON	7390	3	77.2	30	.3	100.	30	51.	10	.0	.0	366.0	9.0	3.892	30	-.26	1.60	17
SKIATOOK	8258	3	****	0	****	****	0	****	0	*****	*****	*****	*****	4.310	21	*****	1.76	1
SPAVINAW	8380	3	79.1	17	****	96.	30	60.	4	.0	*****	240.5	*****	3.122	30	-1.78	1.43	1
TULSA WSO APT	8992	3	78.2	30	.5	98.	30	56.	9	.0	.0	395.0	14.0	3.643	30	-.80	1.93	1
UPPER SPAVINAW	9101	3	77.6	27	****	97.	30	55.	10	.0	*****	340.5	*****	3.213	30	*****	1.17	1
VINITA 2 N	9203	3	73.3	19	****	94.	19	51.	11	4.5	*****	162.0	*****	1.940	30	-2.75	.88	1
WAGONER	9247	3	77.6	30	.9	96.	18	54.	8	1.0	1.0	377.5	26.5	2.841	30	-2.58	1.23	1
WANN	9298	3	****	0	****	****	0	****	0	*****	*****	*****	*****	3.220	30	*****	1.45	17
WYONNA	9792	3	****	0	****	****	0	****	0	*****	*****	*****	*****	3.103	30	*****	1.37	1

JUNE 1996 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	CD	DEV						HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	DEV FROM NORM	MAX 24-HR DAY			
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN TEMP	DAY										
CANTON DAM	1445	4	76.5	30	.1	97.	30	50.	9	4.5	4.5	350.0	8.0	3.801	30	-.02	1.34	16
CLINTON	1909	4	78.5	30	.2	100.	20	52.	9	.0	.0	405.5	6.5	4.001	30	-.15	3.06	1
COLONY	2039	4	****	0	****	****	0	****	0	*****	*****	*****	*****	7.461	30	*****	3.15	1
CORDELL	2125	4	****	0	****	****	0	****	0	*****	*****	*****	*****	3.642	30	-.21	1.53	1
ELK CITY 1 E	2849	4	77.8	30	.8	98.	25	52.	2	.0	.0	383.0	23.0	4.691	30	.82	2.10	15
ERICK 4 E	2944	4	77.2	30	.5	99.	20	52.	9	.0	.0	366.0	15.0	4.481	30	.78	1.18	12
GEARY	3497	4	77.5	28	****	97.	29	54.	8	.0	*****	351.0	*****	5.230	29	*****	2.65	16
HAMMON 3 SSW	3871	4	72.2	17	****	94.	6	47.	9	6.0	*****	129.0	*****	4.380	30	.59	1.42	1
LEEDEY	5090	4	****	0	****	****	0	****	0	*****	*****	*****	*****	5.490	30	1.97	2.10	1
MACKIE 4 NNW	5463	4	****	0	****	****	0	****	0	*****	*****	*****	*****	4.750	30	*****	2.63	15
MORAVIA 2 NNE	6035	4	****	0	****	****	0	****	0	*****	*****	*****	*****	5.280	30	1.48	1.80	15
OKEENE	6629	4	78.9	30	.6	101.	20	53.	11	.0	.0	417.5	18.5	3.470	30	-.68	1.41	1
RETROP	7565	4	****	0	****	****	0	****	0	*****	*****	*****	*****	4.350	30	*****	1.02	1
REYDON	7579	4	****	0	****	****	0	****	0	*****	*****	*****	*****	5.730	30	2.21	2.60	14
SAYRE	7952	4	****	0	****	****	0	****	0	*****	*****	*****	*****	3.972	30	.31	.89	15
SWEETWATER 2 E	8652	4	****	0	****	****	0	****	0	*****	*****	*****	*****	4.011	30	*****	1.78	15
TALOGA	8708	4	77.6	30	.8	102.	20	48.	9	1.0	1.0	379.0	25.0	2.312	30	-1.40	.59	1
THOMAS	8815	4	****	0	****	****	0	****	0	*****	*****	*****	*****	3.240	30	*****	.86	1
VICI	9172	4	****	0	****	****	0	****	0	*****	*****	*****	*****	3.631	30	.09	1.26	1
WATONGA	9364	4	78.5	30	1.3	100.	20	51.	9	.0	.0	405.5	39.5	2.152	30	-1.90	1.03	16
WEATHERFORD	9422	4	79.1	30	2.0	100.	29	55.	7	.0	.0	424.0	61.0	2.640	30	-1.37	1.10	13

JUNE 1996 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	CD	DEV					HEAT		DEV		COOL		DEV		TOT	NUM	FROM	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	MIN	DEG	DAY	FROM	DEG	FROM	NORM	NORM	NORM						
AMBER	200	5	****	0	****	****	0	****	0	*****	*****	*****	*****	4.260	30	****	2.76	1			
ARCADIA	288	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.804	30	****	.75	1			
BLANCHARD 2 SSW	830	5	78.5	27	****	98.	30	53.	8	.0	*****	365.0	*****	5.182	30	1.17	2.05	1			
BRISTOW	1144	5	76.9	30	.0	98.	18	53.	9	.0	.0	357.5	.5	4.421	30	.55	1.50	27			
CHANDLER	1684	5	78.2	28	****	100.	30	53.	9	.0	*****	369.5	*****	3.531	28	****	.88	1			
CHICKASHA EX ST	1750	5	80.2	30	1.8	100.	30	53.	9	.0	.0	456.5	54.5	4.530	30	.82	2.13	1			
COX CITY 1 E	2196	5	****	0	****	****	0	****	0	*****	*****	*****	*****	5.420	30	****	2.60	1			
CRESCENT	2242	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.550	30	****	1.38	16			
CUSHING	2318	5	78.0	28	****	98.	19	56.	9	.0	*****	363.5	*****	2.840	30	-1.43	1.10	1			
EDMOND	2788	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.850	30	****	.85	18			
EL RENO 1 N	2818	5	79.1	28	****	100.	20	55.	9	.0	*****	395.5	*****	2.680	30	-1.71	1.24	1			
GUTHRIE	3821	5	78.1	30	.2	103.	30	49.	12	1.5	1.5	395.5	8.5	1.151	30	-3.08	.90	7			
HENNESSEY 4 ESE	4055	5	77.7	30	-.1	102.	30	51.	9	.5	.5	381.0	-3.0	4.191	30	.01	1.10	1			
INGALLS	4489	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.371	30	****	.60	1			
KINGFISHER 2 SE	4861	5	78.7	30	.6	102.	30	52.	9	.0	.0	411.5	18.5	3.510	30	-.76	1.01	1			
KONAWA	4915	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.300	30	-.78	1.88	1			
MARSHALL	5589	5	****	0	****	****	0	****	0	*****	*****	*****	*****	4.590	30	.61	1.71	16			
MEEKER 4 W	5779	5	77.3	29	.6	98.	30	53.	9	.0	.0	355.5	4.5	2.530	30	-1.65	1.04	6			
MULHALL	6110	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.730	30	****	1.81	16			
NORMAN NWS	6386	5	77.7	30	.5	97.	30	54.	9	.0	.0	381.0	15.0	1.583	29	****	1.57	1			
OILTON 2 SE	6616	5	****	0	****	****	0	****	0	*****	*****	*****	*****	1.194	30	****	1.19	18			
OKEMAH	6638	5	79.2	30	2.5	98.	30	58.	9	.0	.0	425.5	74.5	4.680	30	.49	1.71	19			
OKLAHOMA CTY WS	6661	5	77.8	30	1.1	100.	30	53.	9	.0	.0	384.0	33.0	2.212	30	-2.10	1.05	6			
PERKINS	7003	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.170	30	-2.26	1.06	1			
PIEDMONT	7068	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.670	30	****	1.18	1			
PRAGUE	7264	5	****	0	****	****	0	****	0	*****	*****	*****	*****	4.270	30	.47	1.20	10			
PURCELL 5 SW	7327	5	78.7	30	1.0	98.	30	51.	9	.0	.0	409.5	28.5	7.750	30	3.52	3.25	1			
SEMINOLE	8042	5	78.9	29	.6	98.	30	54.	9	.0	.0	404.5	5.5	5.230	30	1.02	1.56	1			
SHAWNEE	8110	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.821	30	-.50	1.06	1			
STELLA	8479	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.311	30	****	.81	5			
STILLWATER 2 W	8501	5	78.4	30	2.2	98.	30	52.	9	.0	.0	401.0	65.0	2.951	30	-1.05	1.10	1			
STROUD 1 N	8563	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.691	30	****	1.07	1			
TECUMSEH	8751	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.810	30	****	1.50	1			
TROUSDALE 6S	8960	5	****	0	****	****	0	****	0	*****	*****	*****	*****	4.560	30	****	2.14	1			
UNION CITY 1 SE	9086	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.590	30	-2.10	1.12	1			
WELTY 1 SSE	9479	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.351	30	****	1.00	1			
WEWOKA	9575	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.820	30	-.24	1.43	1			

JUNE 1996 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	CD	DEV					HEAT		DEV		COOL		DEV		TOT	NUM	FROM	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	MIN	DEG	DAY	FROM	DEG	FROM	NORM	NORM	NORM						
ASHLAND	364	6	****	0	****	****	0	****	0	*****	*****	*****	*****	3.600	30	****	1.40	1			
BEGGS	631	6	****	0	****	****	0	****	0	*****	*****	*****	*****	5.370	30	****	1.59	19			
BOYNTON	1027	6	****	0	****	****	0	****	0	*****	*****	*****	*****	4.860	30	****	1.55	19			
CALVIN	1391	6	****	0	****	****	0	****	0	*****	*****	*****	*****	2.480	31	-2.05	1.25	1			
CHECOTAH	1711	6	****	0	****	****	0	****	0	*****	*****	*****	*****	6.081	30	2.19	1.47	27			
CLAYTON 14 WNW	1858	6	****	0	****	****	0	****	0	*****	*****	*****	*****	3.941	30	****	.78	1			
DEWAR 2 NE	2485	6	****	0	****	****	0	****	0	*****	*****	*****	*****	6.360	30	2.41	1.40	19			
DUSTIN	2690	6	****	0	****	****	0	****	0	*****	*****	*****	*****	5.990	30	****	1.85	19			
EUFULA	2993	6	77.8	30	-.2	96.	19	58.	9	.0	.0	383.5	-6.5	5.590	30	1.56	1.86	1			
HANNA	3884	6	77.1	30	-.1	95.	30	55.	9	.0	.0	362.0	-4.0	5.822	30	2.11	1.49	19			
HARTSHORNE	3946	6	****	0	****	****	0	****	0	*****	*****	*****	*****	6.520	30	****	1.64	18			
HASKELL	3956	6	****	0	****	****	0	****	0	*****	*****	*****	*****	4.810	30	.11	1.33	19			
HOLDENVILLE	4235	6	78.7	18	****	97.	30	57.	2	.0	*****	246.0	*****	3.060	30	-.63	1.35	1			
LYONS 2 N	5437	6	****	0	****	****	0	****	0	*****	*****	*****	*****	4.321	30	-.14	1.72	1			
MARBLE CITY	5546	6	****	0	****	****	0	****	0	*****	*****	*****	*****	.950	30	****	.95	27			
MCALESTER FAA	5664	6	78.6	29	1.4	99.	30	54.	9	.5	.5	394.0	28.0	3.402	30	-.58	1.88	1			
MCCURTAIN 1 SE	5693	6	77.0	30	-.4	98.	18	55.	10	1.0	1.0	360.5	-11.5	4.421	30	.25	1.05	1			
MUSKOGEE	6130	6	77.2	29	.2	96.	17	56.	10	.0	.0	352.5	-7.5	4.162	30	-.13	1.69	1			
OKMULGEE W W	6670	6	75.3	30	-.8	97.	19	53.	9	2.5	2.5	311.5	-21.5	5.740	30	1.51	1.40	1			
OKTAH 2 NE	6678	6	****	0	****	****	0	****	0	*****	*****	*****	*****	4.700	30	****	1.80	19			
QUINTON	7372	6	****	0	****	****	0	****	0	*****	*****	*****	*****	3.742	30	-.49	1.30	17			
SALLISAW 2 NW	7862	6	75.6	30	-1.5	93.	19	56.	10	2.5	2.5	321.5	-41.5	4.880	30	1.32	1.43	1			
SCPIO	7979	6	****	0	****	****	0	****	0	*****	*****	*****	*****	3.070	30	****	1.25	7			
SCRAPER	7993	6	****	0	****	****	0	****	0	*****	*****	*****	*****	1.800	30	****	1.20	1			
SHORT	8170	6	****	0	****	****	0	****	0	*****	*****	*****	*****	5.170	30	****	1.77	1			
STILWELL 1 NE	8506	6	73.7	30	-1.3	91.	30	52.	10	1.0	1.0	262.0	-38.0	4.470	30	.25	1.70	1			
TAHLEQUAH	8677	6	75.7	30	.1	93.	18	55.	9	1.5	1.5	321.0	3.0	5.355	30	.82	1.72	6			
WEBBERS FALLS	9445	6	75.5	27	****	96.	19	54.	9	1.5	*****	285.0	*****	4.590	27	****	1.38	1			
WESTVILLE	9523	6	****	0	****	****	0	****	0	*****	*****	*****	*****	.890	30	****	.63	19			
WETUMKA 3 NE	9571	6	****	0	****	****	0	****	0	*****	*****	*****	*****	4.570	30	.47	1.50	1			

JUNE 1996 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	CD	DEV				HEAT		DEV		COOL		DEV		TOT	NUM	DEV	
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	DEG	FROM	FROM			MAX	DAY
ALTUS IRR STA	179	7	81.3	30	1.3	107.	19	54.	9	.0	.0	487.5	40.5	4.080	30	.57	.86	16
ALTUS DAM	184	7	81.8	29	2.9	105.	20	52.	9	.0	.0	487.0	70.0	3.340	30	-.37	1.04	1
ANADARKO	224	7	77.6	24	*****	98.	30	51.	12	.0	*****	303.5	*****	6.030	24	*****	2.10	12
APACHE	260	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.550	30	2.62	2.40	1
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.653	30	*****	1.29	15
CARNEGIE 2 ENE	1504	7	78.7	30	.6	99.	19	54.	9	.0	.0	409.5	10.5	2.361	30	-1.64	1.43	15
CHATTANOOGA	1706	7	82.0	30	2.6	108.	19	52.	9	.0	.0	511.0	79.0	3.780	30	.39	1.13	2
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.221	30	*****	1.55	1
FREDERICK	3353	7	80.8	25	*****	107.	20	56.	9	.0	*****	394.0	*****	1.910	30	-1.54	1.25	1
HEADRICK	3998	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.000	30	*****	1.25	15
HOBART FAA APT	4204	7	80.1	30	1.5	104.	19	54.	8	.0	.0	451.5	43.5	1.881	30	-1.19	.60	5
HOLLIS	4249	7	79.7	30	.1	104.	19	54.	9	.0	.0	441.0	3.0	4.440	30	.75	1.00	1
LAWTON	5063	7	80.6	30	2.3	104.	20	54.	9	.0	.0	468.0	69.0	3.860	30	.24	1.60	1
FORT SILL	5068	7	80.4	30	*****	102.	19	54.	9	.0	*****	463.0	*****	3.082	30	*****	2.25	1
LOOKEBA 2 ENE	5329	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.171	30	-.99	1.78	1
MANGUM RES STA	5509	7	80.4	30	.9	105.	19	52.	9	.0	.0	463.5	28.5	4.300	30	.53	1.25	1
RANDLETT 9 E	7403	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.950	30	*****	1.04	2
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.350	30	3.69	4.50	16
SEDAN	8016	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.140	30	*****	1.27	16
SNYDER	8299	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.981	30	1.52	1.70	16
VINSON 3 WNW	9212	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.950	30	4.49	2.04	17
WALTERS	9278	7	80.9	30	1.6	103.	20	53.	9	.0	.0	476.5	47.5	3.300	30	-.84	1.50	1
WICHITA MT WLR	9629	7	77.7	30	1.0	102.	20	48.	9	1.5	1.5	381.5	30.5	4.983	30	1.16	1.94	1
WILLOW	9668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.172	30	*****	1.81	1

JUNE 1996 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

NAME	ID	CD	DEV				HEAT		DEV		COOL		DEV		TOT	NUM	DEV	
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	DEG	FROM	FROM			MAX	DAY
ADA	17	8	77.5	30	.6	95.	30	54.	9	.0	.0	374.5	17.5	4.620	30	.52	1.61	1
ALLEN	147	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.400	30	*****	1.10	1
ARDMORE	292	8	78.2	20	*****	96.	20	57.	9	.0	*****	263.0	*****	3.610	20	*****	1.39	2
ATOKA DAM	394	8	80.3	20	*****	100.	19	56.	10	.0	*****	306.5	*****	2.930	31	-1.29	1.80	3
BOKCHITO	917	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.300	30	*****	1.90	1
CANEY	1437	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.120	30	*****	2.12	13
CENTRAHOMA	1648	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.950	30	*****	1.50	13
CHICKASAW NRA	1745	8	77.5	27	*****	97.	30	48.	9	6.5	*****	344.5	*****	5.301	30	1.34	3.00	1
COLEMAN	2011	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.050	30	*****	1.58	1
COMANCHE	2054	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.010	30	-.81	1.55	1
DAISY 4 ENE	2354	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.241	30	-.02	1.30	2
DUNCAN	2660	8	79.2	30	1.3	98.	30	55.	9	.0	.0	425.5	38.5	6.111	30	2.13	3.50	1
DURANT USDA	2678	8	77.8	17	*****	96.	20	53.	17	.0	*****	217.5	*****	5.150	27	*****	2.85	3
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.640	30	*****	2.58	7
GRADY	3688	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.700	30	*****	1.03	2
HEALDTON	4001	8	79.1	30	1.1	100.	30	55.	10	.0	.0	422.0	32.0	4.890	30	.72	1.82	1
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.730	30	*****	2.00	1
KETCHUM RANCH	4780	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.660	30	*****	2.85	1
KINGSTON	4865	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.860	30	1.78	2.30	1
LEHIGH	5108	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.650	30	*****	1.15	2
LINDSAY 2 W	5216	8	76.9	30	-.6	98.	30	48.	4	2.0	2.0	360.0	-15.0	7.100	31	3.08	3.29	2
LOCO 6 SE	5247	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.840	30	*****	1.64	2
MADILL	5468	8	79.1	29	.7	96.	19	55.	9	.5	.5	410.5	8.5	6.080	31	1.57	4.10	1
MARIETTA	5563	8	80.2	30	2.1	99.	19	51.	8	1.0	1.0	457.5	64.5	3.190	30	-.81	1.30	1
MARLOW 1 WSW	5581	8	80.1	30	3.0	103.	19	51.	9	.0	.0	454.0	91.0	4.401	30	.22	1.68	4
MCGEE CREEK DAM	5713	8	78.7	30	*****	98.	19	54.	9	.5	*****	410.0	*****	3.050	30	*****	1.38	1
PAULS VALLEY	6926	8	79.0	30	.7	99.	30	53.	9	.0	.0	420.5	21.5	8.200	30	4.30	3.40	1
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.950	30	-2.16	1.22	1
TISHOMINGO NWLR	8884	8	80.1	30	1.5	100.	30	54.	10	.0	.0	453.0	45.0	5.140	30	.54	3.20	1
TUSSY	9032	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.640	30	*****	1.81	7
WAURIKA	9395	8	81.3	30	2.0	103.	19	55.	9	.0	.0	488.0	59.0	.412	30	-3.32	.21	3
WAURIKA DAM	9399	8	79.9	16	*****	102.	20	59.	8	.0	*****	238.0	*****	2.411	30	*****	1.70	1

JUNE 1996 SUMMARY FOR SOUTHEAST DIVISION (CD9)

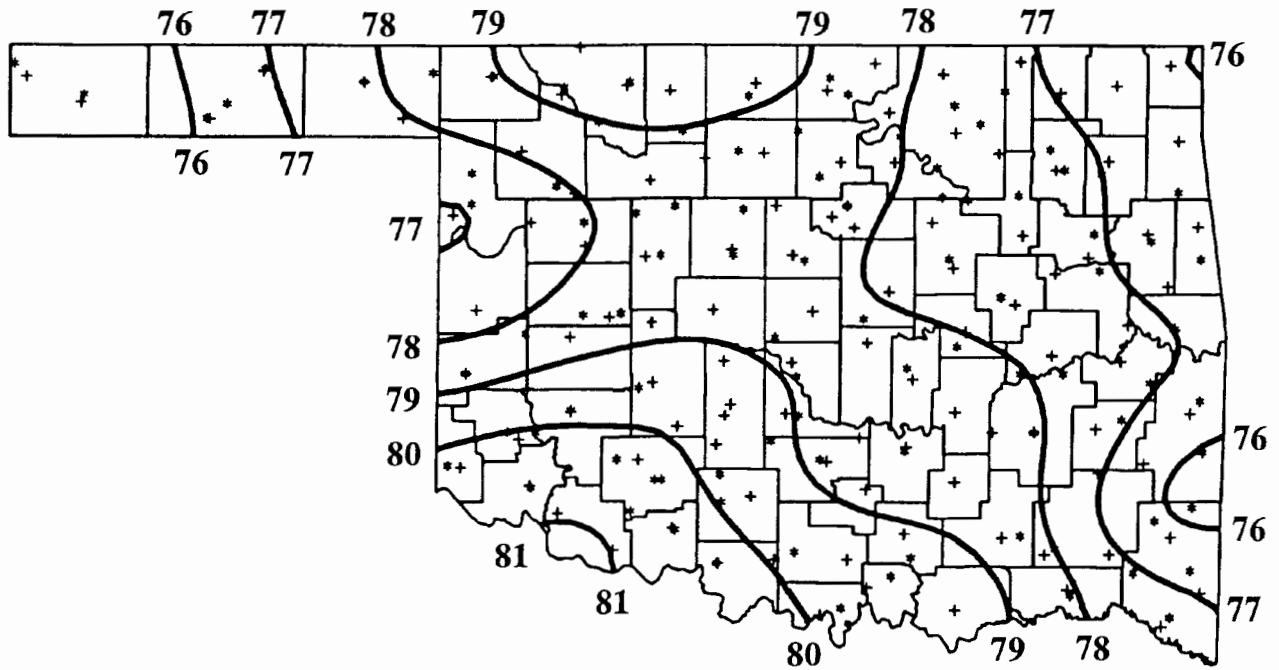
NAME	ID	CD	DEV				HEAT			DEV		COOL		DEV		TOT	NUM	FROM	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	DEG	FROM	DEG	FROM						
ANTLERS	256	9	78.3	30	1.1	97.	18	53.	9	.0	.0	399.0	33.0	*****	0	*****	*****	0			
BATTIEST 1 SSW	567	9	73.3	30	*****	90.	30	51.	10	3.5	*****	253.0	*****	*****	3.470	30	*****	1.01	1		
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	5.610	30	*****	2.03	7		
BROKEN BOW 1 N	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	4.210	30	-.13	1.63	19		
BROKEN BOW DAM	1168	9	76.8	30	.4	98.	17	53.	10	.0	.0	355.5	13.5	*****	4.820	30	.51	1.44	17		
CARNASAW TWR	1499	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	5.762	30	1.21	2.52	13		
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	3.080	30	-1.19	1.30	1		
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	5.830	30	1.60	1.80	28		
HEAVENER 1 SE	4008	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	3.670	30	-.40	1.66	6		
HUGO	4384	9	78.2	30	.1	95.	17	56.	9	.0	.0	395.5	2.5	*****	5.120	30	.37	1.20	13		
IDABEL	4451	9	76.1	30	-.9	96.	18	53.	9	.0	.0	333.5	-26.5	*****	5.930	30	1.64	1.42	18		
PINE CREEK DAM	7080	9	77.3	30	*****	104.	26	53.	9	.0	*****	369.0	*****	*****	3.871	30	*****	1.15	27		
POTEAU W W	7254	9	76.8	30	*****	99.	18	55.	9	.0	*****	354.0	*****	*****	5.570	30	*****	1.62	6		
SMITHVILLE 1 W	8285	9	74.4	30	-.7	93.	17	52.	10	2.0	2.0	283.0	-20.0	*****	3.851	30	-.36	2.10	2		
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	5.730	30	2.20	2.42	13		
TUSKAHOMA	9023	9	77.6	30	.5	97.	18	50.	9	.0	.0	378.0	15.0	*****	2.960	30	-1.82	1.19	1		
VALLIANT 3 W	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	1.853	30	-2.14	.77	2		
WILBURTON 9 ENE	9634	9	76.9	30	.6	96.	18	54.	11	.0	.0	356.5	17.5	*****	4.382	30	.26	1.30	6		
ZOE	9985	9	74.2	30	-1.0	93.	20	51.	2	8.0	8.0	283.0	-23.0	*****	4.470	30	.48	1.25	7		

JUNE 1996 CLIMATE DIVISION SUMMARY

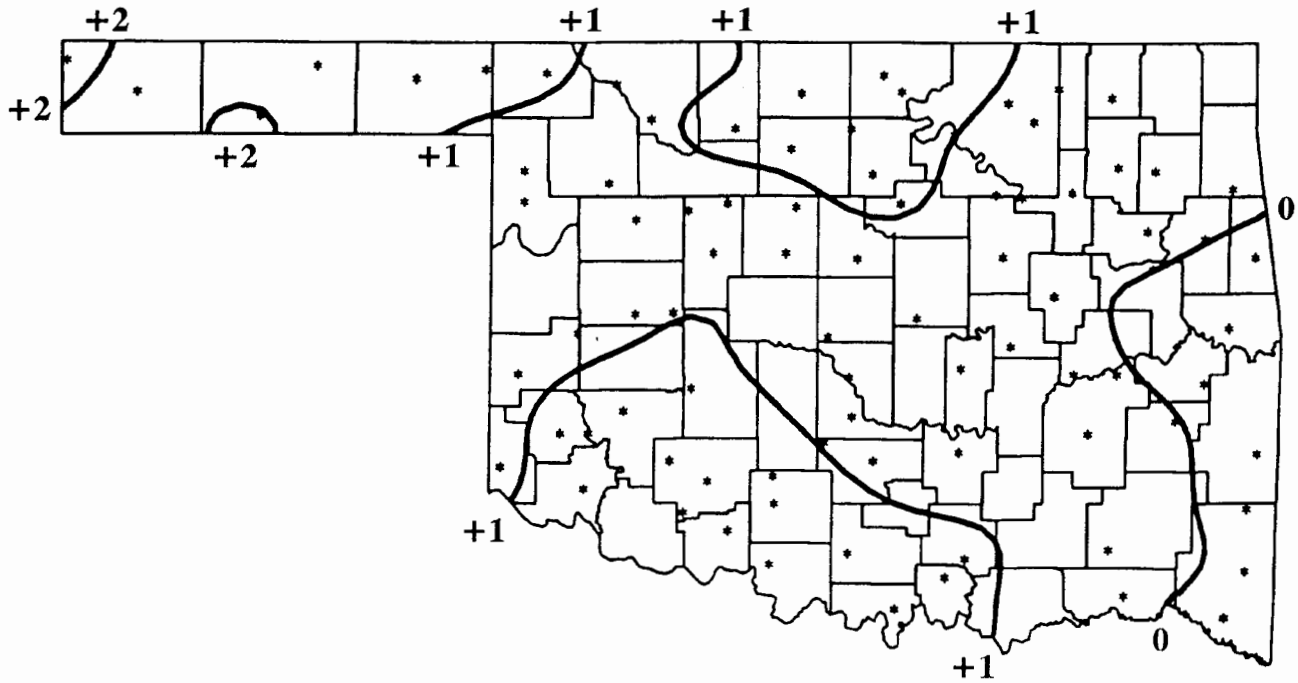
CLIMATE	MEAN	NUM	DEV				HEAT			DEV		COOL		DEV		TOT	NUM	FROM	MAX	24-HR	DAY
			FROM	MAX	MIN	DAY	DEGREE	FROM	DEGREE	FROM	DEGREE	FROM	DEGREE	FROM	DEGREE						
DIV	TEMP	STA	NORM	TEMP	DAY	TEMP	DAY	DAYS	NORM	DAYS	NORM	PPT	STA	NORM	24-HR	DAY					
1	76.1	10	1.4	105.0	22	43.0	9	2.7	-2.5	335.4	37.7	2.81	14	-.21	4.72	25					
2	78.8	11	1.5	105.0	29	45.0	9	1.1	.7	413.7	45.6	3.19	23	-.54	2.18	17					
3	76.9	14	.9	101.0	30	48.0	3	1.1	1.1	355.8	24.3	3.23	29	-1.18	2.18	17					
4	78.0	8	1.0	102.0	20	47.0	9	.7	.7	391.3	28.9	4.17	20	.34	3.15	1					
5	78.3	12	1.1	103.0	30	49.0	12	.2	.2	396.9	32.2	3.49	35	-.67	3.25	1					
6	76.4	9	-.3	99.0	30	52.0	10	1.0	1.0	340.9	-11.1	4.35	29	.24	1.88	1					
7	80.3	11	1.6	108.0	19	48.0	9	.1	.1	458.2	47.2	4.02	23	.33	4.50	16					
8	79.2	11	1.3	103.0	19	48.0	4	.4	.4	425.0	37.6	4.25	30	.14	4.10	1					
9	76.4	11	-.2	104.0	26	50.0	9	1.2	1.2	341.8	-4.7	4.45	18	.19	2.52	13					

MESONET MONTHLY SUMMARY FOR JUNE 1996

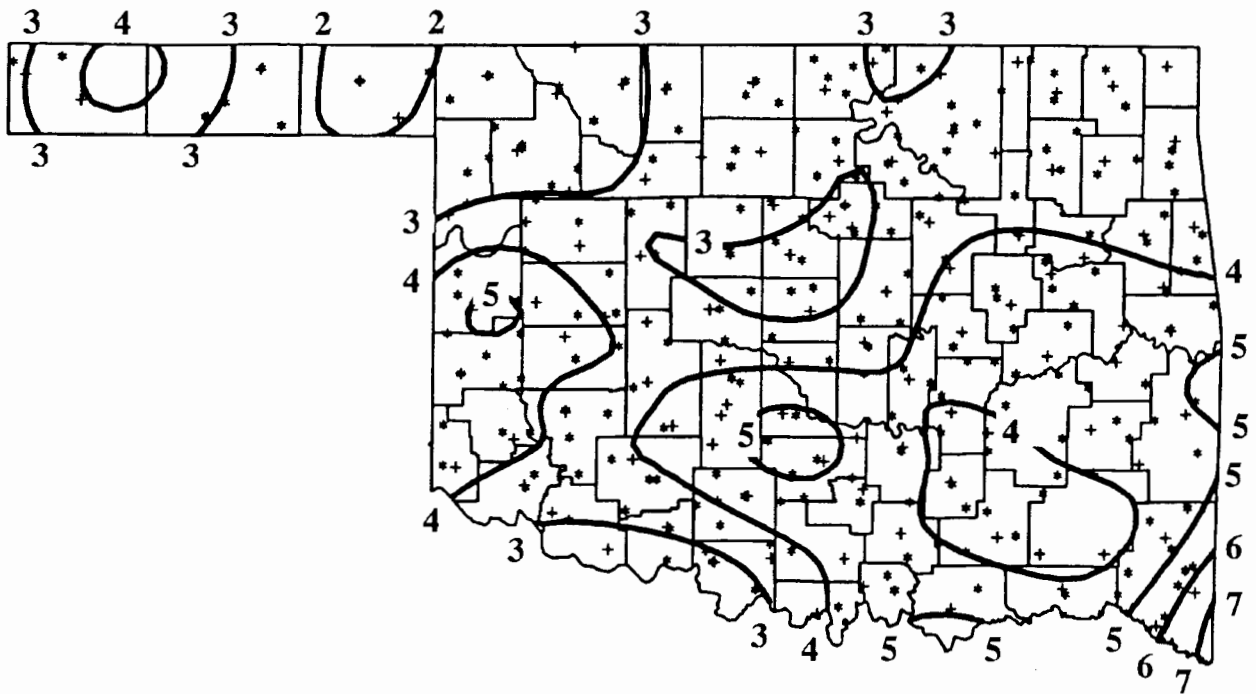
NAME	MEAN		MAX		MIN		HDD	CDD	PPT	MAX		NAME	MEAN		MAX		MIN		HDD	CDD	PPT	MAX	
	TEMP	TEMP	DAY	TEMP	DAY	24-HR				DAY	TEMP		TEMP	DAY	TEMP	DAY	24-HR	DAY					
ARNETT	77.7	100	20	51	9	0	380	3.40	1.35	1	GOODWELL	75.5	101	21	48	8	1	315	2.89	1.30	30		
BEAVER	79.0	106	21	49	8	0	419	1.87	.92	11	HOOKER	78.8	105	20	49	8	0	415	2.49	.58	29		
BOISE CITY	74.9	105	19	47	8	0	299	4.56	2.36	25	KENTON	75.5	103	20	50	8	0	315	2.53	.72	24		
BUFFALO	80.5	107	21	48	9	0	465	3.03	1.09	11	SLAPOUT	78.6	106	21	51	8	0	409	1.78	1.19	24		
NORTH CENTRAL																							
ALVA	80.0	105	20	53	8	0	451	2.51	1.24	24	MAY RANCH	78.6	102	20	52	8	2	411	2.16	.64	18		
BLACKWELL	80.2	105	30	53	9	0	456	2.85	.64	30	MEDFORD	80.1	102	20	54	9	0	454	3.59	.77	24		
BRECKENRIDGE	78.7	103	30	52	9	0	412	2.41	.64	6	NEWKIRK	78.5	103	30	53	8	0	404	1.80	.44	1		
CHEROKEE	78.8	102	21	51	9	0	414	2.61	.70	16	RED ROCK	79.3	104	30	53	9	0	428	2.66	.75	1		
FAIRVIEW	79.3	101	20	54	8	0	428	3.49	1.40	16	SEILING	79.3	103	20	49	9	0	428	2.90	1.17	13		
FREEDOM	80.8	106	20	51	8	0	473	1.41	.29	15	WOODWARD	79.5	103	20	53	8	0	435	2.64	.62	30		
LAHOMA	79.2	101	29	54	8	0	424	2.96	.73	16													
NORTHEAST																							
BIXBY	79.1	98	18	57	9	0	421	5.91	1.96	1	NOWATA	77.4	101	30	53	10	0	371	2.89	.95	17		
BURBANK	75.9	97	30	51	9	1	327	3.42	1.20	1	PAWNEE	78.8	103	30	52	9	0	414	3.07	1.26	1		
CLAREMORE	79.2	102	30	55	9	0	425	2.40	1.70	1	PRYOR	78.0	99	30	55	10	0	391	2.90	.94	1		
COPAN	76.6	98	30	54	8	1	348	3.61	.89	1	SKIATOOK	78.8	100	30	57	8	0	415	4.11	1.72	18		
FORAKER	78.0	101	30	54	8	0	389	2.63	1.18	1	TULLAHASSEE	77.1	94	17	56	9	0	364	4.07	1.50	1		
JAY	76.6	100	11	55	9	1	348	3.59	1.75	1	VINITA	75.7	100	30	52	10	2	322	3.29	1.21	1		
MIAMI	75.1	95	30	54	2	3	304	3.75	1.85	18	WYMONA	78.4	103	30	54	9	0	403	2.92	1.38	1		
EAST CENTRAL																							
BESSIE	78.9	100	20	55	8	0	417	3.87	1.53	1	PUTNAM	79.1	103	20	51	9	0	424	2.00	.48	12		
BUTLER	*****	*****	0	*****	0	*****	***	5.02	1.70	23	RETROP	80.4	104	19	55	8	0	461	2.52	.86	15		
CAMARGO	76.7	100	20	47	9	0	351	2.71	1.11	1	WATONGA	78.5	100	29	54	8	0	404	1.12	.25	15		
CHEYENNE	76.7	97	20	52	8	0	352	15.45	9.91	14	WEATHERFORD	77.4	97	19	54	9	0	372	3.73	1.27	15		
ERICK	78.0	102	20	49	9	0	365	3.00	.75	12													
CENTRAL																							
ACME	80.6	101	19	52	9	0	467	3.80	2.63	1	MINCO	79.8	100	29	57	8	0	442	2.86	1.41	1		
BOWLEGS	78.6	98	30	55	9	0	407	3.77	1.59	1	NINNEKAH	80.9	103	29	53	9	0	477	5.87	2.13	1		
BRISTOW	78.1	98	18	54	9	0	394	6.48	2.78	26	NORMAN	80.4	101	30	56	9	0	461	4.15	2.49	6		
CHANDLER	76.9	97	30	53	9	0	356	3.68	1.41	1	OILTON	78.2	100	30	52	9	0	396	3.25	1.60	1		
CHICKASHA	80.5	103	30	53	9	0	466	4.57	2.08	1	OKEMAH	78.9	100	18	55	9	0	416	4.01	1.47	1		
EL RENO	78.6	102	30	52	9	0	408	2.48	.98	14	PERKINS	77.9	102	30	52	9	0	388	3.00	1.15	1		
GUTHRIE	80.7	105	30	54	9	0	471	2.78	1.01	6	SHAWNEE	79.8	101	30	55	9	0	444	1.95	1.09	1		
KINGFISHER	79.1	104	30	51	9	0	422	2.44	.66	1	SPENCER	77.4	99	30	51	9	0	371	2.71	1.09	1		
MARENA	77.5	100	30	53	9	0	375	3.74	1.32	15	STILLWATER	77.9	101	30	52	9	0	386	2.76	1.09	1		
MARSHALL	78.4	102	30	53	9	0	401	3.15	1.39	15	WASHINGTON	78.3	96	30	56	9	0	398	8.31	3.28	1		
EAST CENTRAL																							
CALVIN	78.8	98	29	56	9	0	413	3.18	1.78	1	SALLISAW	79.1	97	18	57	9	0	421	4.22	1.64	6		
COOKSON	76.7	96	30	52	9	2	354	5.81	2.15	1	STIGLER	77.0	95	18	56	9	0	361	4.26	1.14	1		
EUFULA	79.1	96	17	59	10	0	422	4.30	1.58	1	STUART	79.1	100	30	57	9	0	423	2.56	1.62	1		
HASKELL	78.3	98	18	56	9	0	398	5.20	1.52	1	TAHLEQUAH	76.8	94	18	55	2	1	356	4.09	1.63	1		
MCALISTER	78.0	98	30	54	9	0	390	2.88	1.50	1	WEBBERS FALLS	78.8	98	18	57	9	0	413	3.60	1.48	1		
OKMULGEE	76.1	95	18	54	9	1	332	5.94	1.56	1	WESTVILLE	76.4	95	30	55	10	2	344	3.46	1.82	1		
SOUTHWEST																							
ALTUS	81.1	106	19	55	9	0	482	3.22	.77	15	HOLLIS	81.6	108	19	55	9	0	498	3.13	.60	12		
APACHE	80.0	101	19	55	8	0	449	1.37	.61	1	MANGUM	79.0	104	19	51	9	0	420	2.60	.65	12		
FORT COBB	81.1	103	19	55	9	0	483	4.72	1.89	1	MEDICINE PARK	81.7	105	19	58	9	0	500	2.97	1.89	1		
GRANDFIELD	81.0	105	19	51	9	0	481	2.64	1.35	16	TIPTON	81.9	108	19	52	9	0	507	2.48	1.16	1		
HINTON	78.0	97	29	53	8	0	391	4.88	2.52	15	WALTERS	80.9	103	19	53	9	0	477	3.60	2.69	1		
HOBART	79.7	103	19	54	9	0	439	1.58	.58	5													
SOUTH CENTRAL																							
ADA	79.6	100	30	55	9	0	438	4.42	2.04	1	LANE	79.2	97	18	56	9	0	425	3.55	2.14	1		
ARDMORE	81.1	101	30	58	9	0	483	3.40	2.28	1	MADILL	81.4	100	18	57	9	0	491	4.93	3.41	1		
BURNEYVILLE	78.9	98	18	54	9	0	418	5.02	2.87	1	PAULS VALLEY	80.6	101	30	57	9	0	466	6.43	3.90	1		
BYARS	78.3	98	30	56	9	0	400	4.32	2.69	1	RINGLING	79.6	100	30	55	9	0	437	2.57	2.57	1		
CENTRAHOMA	79.4	99	30	53	9	0	432	5.29	2.61	1	SULPHUR	77.0	97	30	51	9	0	361	3.94	2.93	1		
DURANT	80.5	101	19	57	9	0	464	5.68	2.97	1	TISHOMINGO	77.6	98	30	54	9	0	377	4.08	3.12	1		
KETCHUM RANCH	78.8	98	30	54	9	0	413	3.69	2.89	1	WAURIKA	80.8	102	18	54	9	0	472	3.33	2.66	1		
SOUTHEAST																							
ANTLERS	78.4	101	19	53	9	0	403	2.84	2.12	1	IDABEL	77.1	94	17	55	9	0	362	4.55	1.19	26		
BROKEN BOW	79.3	97	17	55	9	0	428	9.45	3.93	17	MT HERMAN	76.3	92	17	54	9	1	341	3.55	1.52	1		
CLAYTON	76.8	96	18	54	9	1	356	3.71	1.52	1	TALIHINA	76.8	95	18	55	9	1	355	4.06	1.67	1		
CLOUDY	76.0	92	17	55	8	2	331	2.36	1.16	1	WILBURTON	78.3	98	18	55	9	0	398	4.42	1.70	1		
HUGO	79.7	99	18	58	9	0	440	5.74	3.03	13	WISTER	76.1	94	17	57	2	0	334	4.75	1.70	6		



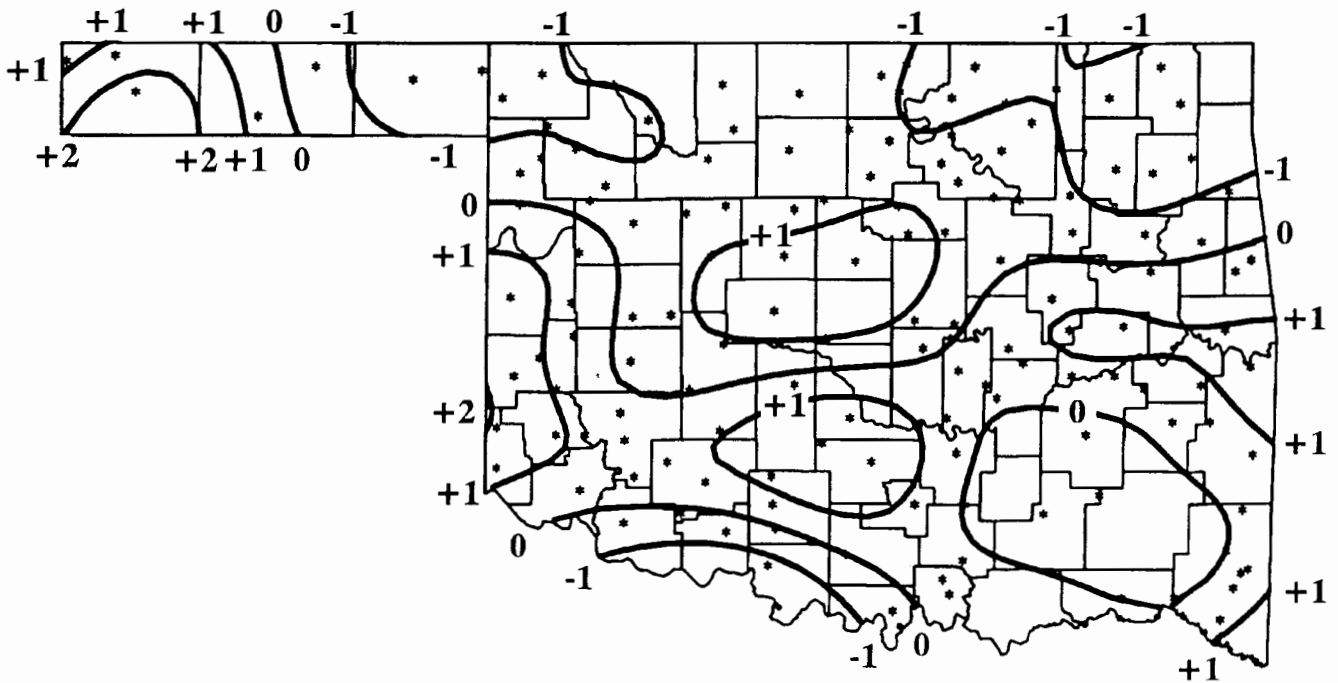
**JUNE 1996 AVERAGE MONTHLY TEMPERATURES
(Degrees F)**



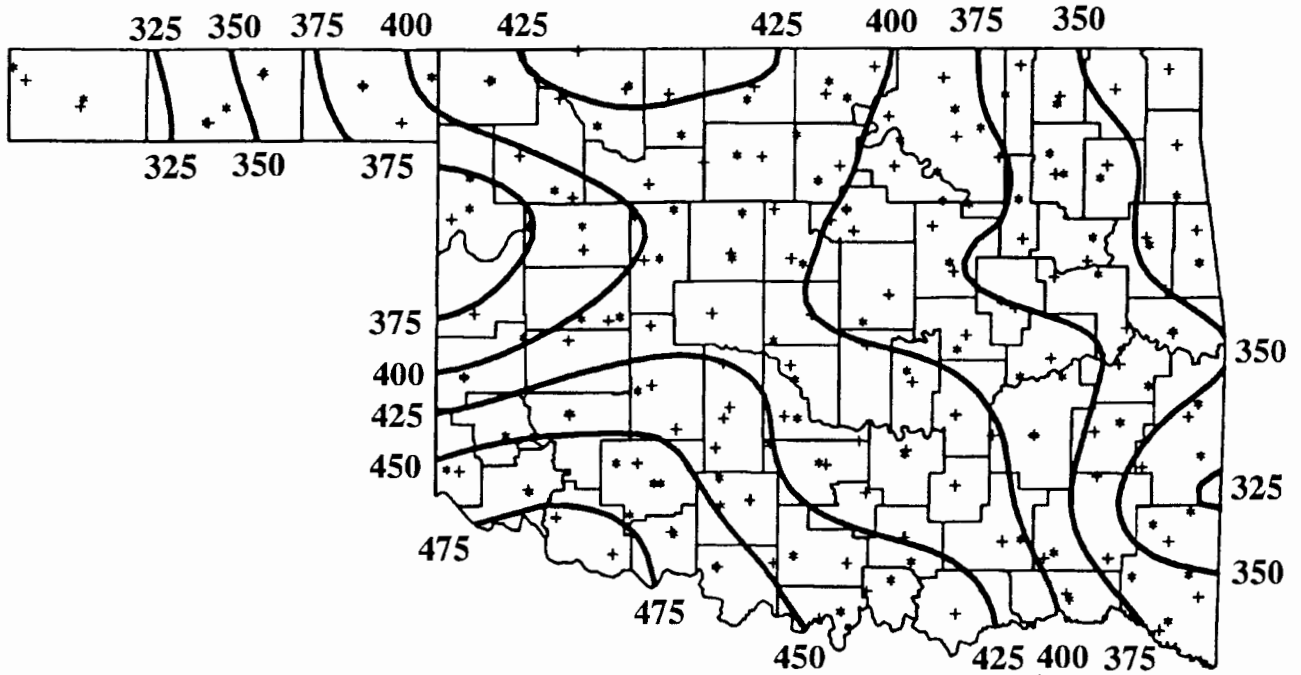
**JUNE 1996 DEVIATION FROM NORMAL TEMPERATURES
(Degrees F)**



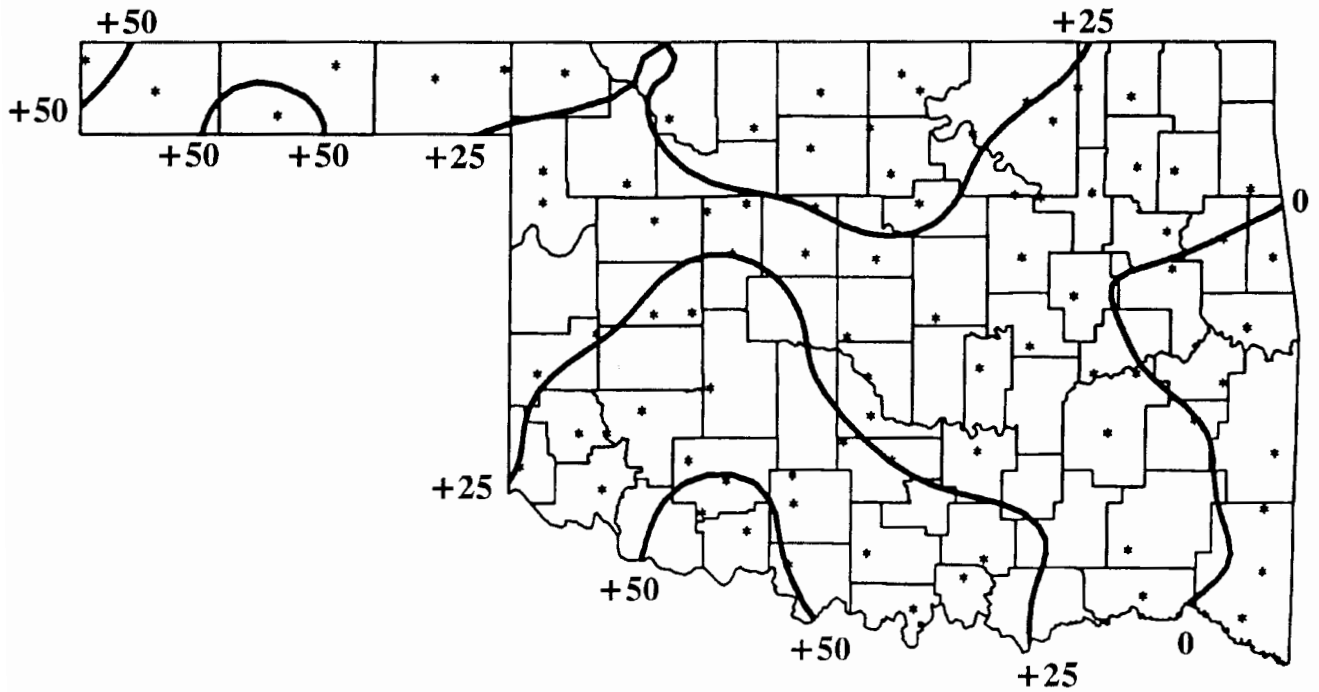
JUNE 1996 TOTAL PRECIPITATION
(Inches)



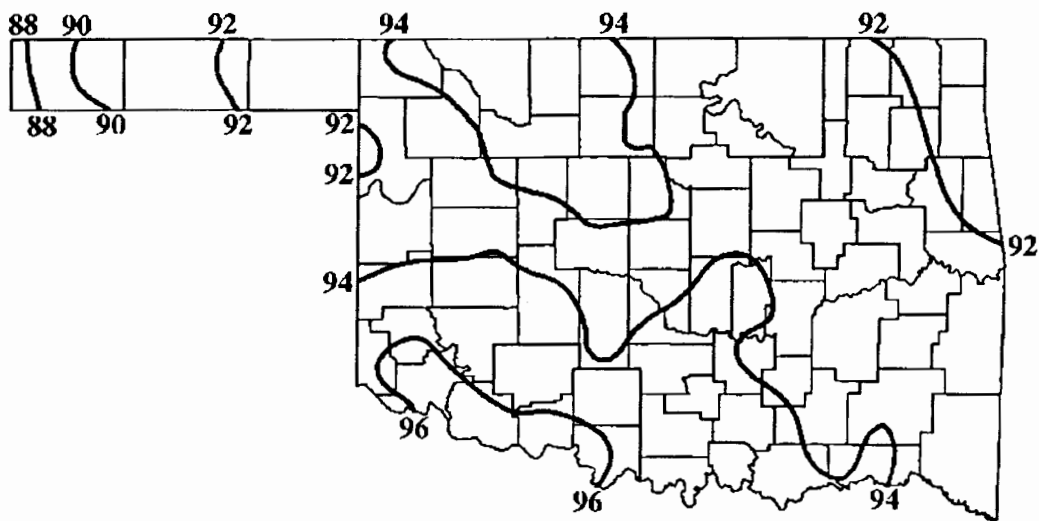
JUNE 1996 DEVIATION FROM NORMAL PRECIPITATION
(Inches)



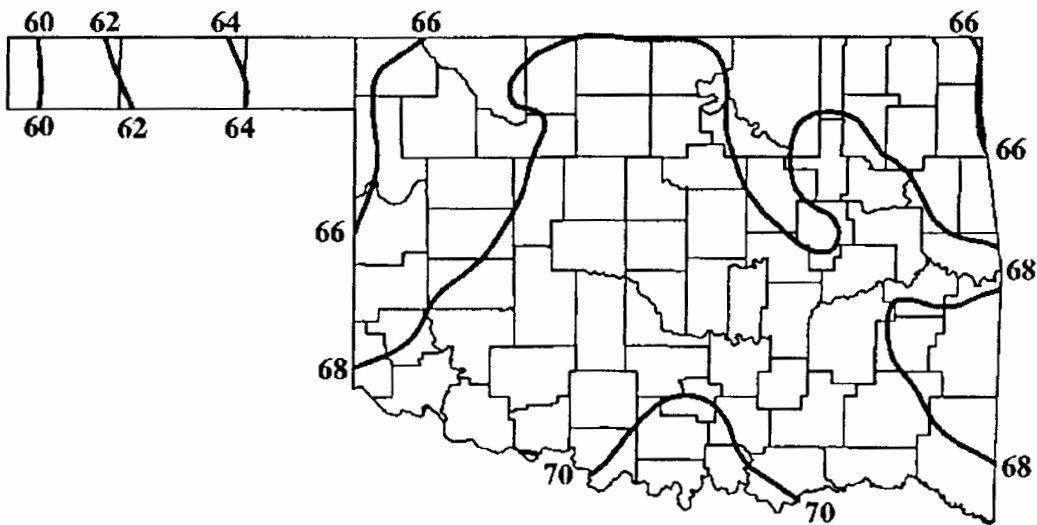
JUNE 1996 COOLING DEGREE DAYS



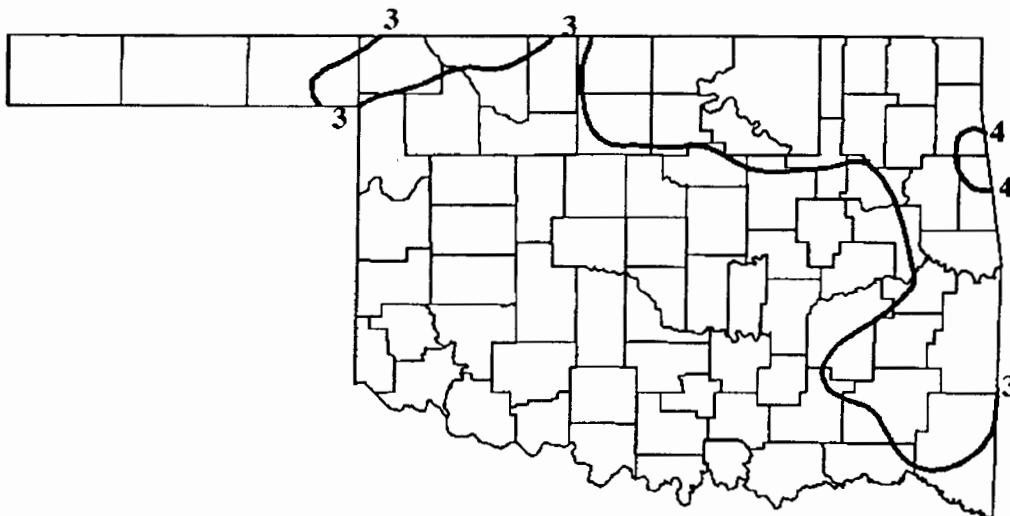
JUNE 1996 DEVIATION FROM NORMAL COOLING DEGREE DAYS



August Normal Daily Maximum Temperatures (°F)



August Normal Daily Minimum Temperatures (°F)



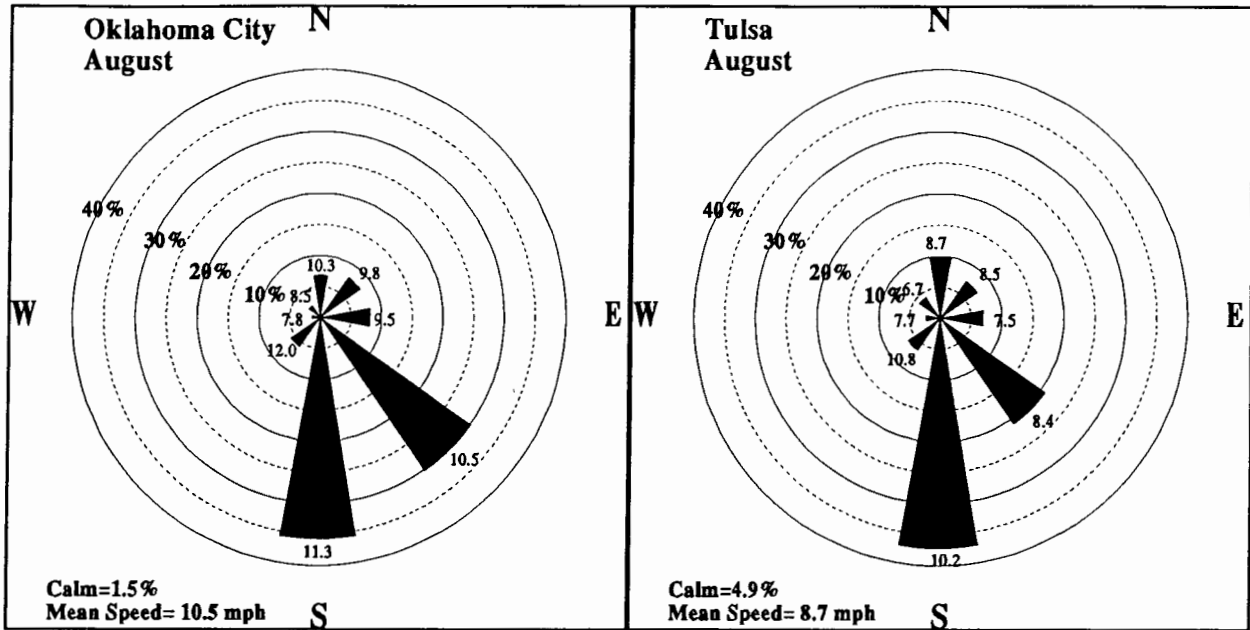
August Normal Monthly Precipitation (inches)

NATIONAL WEATHER SERVICE SEASONAL OUTLOOK

(August through October 1996)

Precipitation - Near Normal Statewide

Temperature - Near Normal Panhandle
Lower Than Normal Elsewhere



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 1996 SUNRISE AND SUNSET

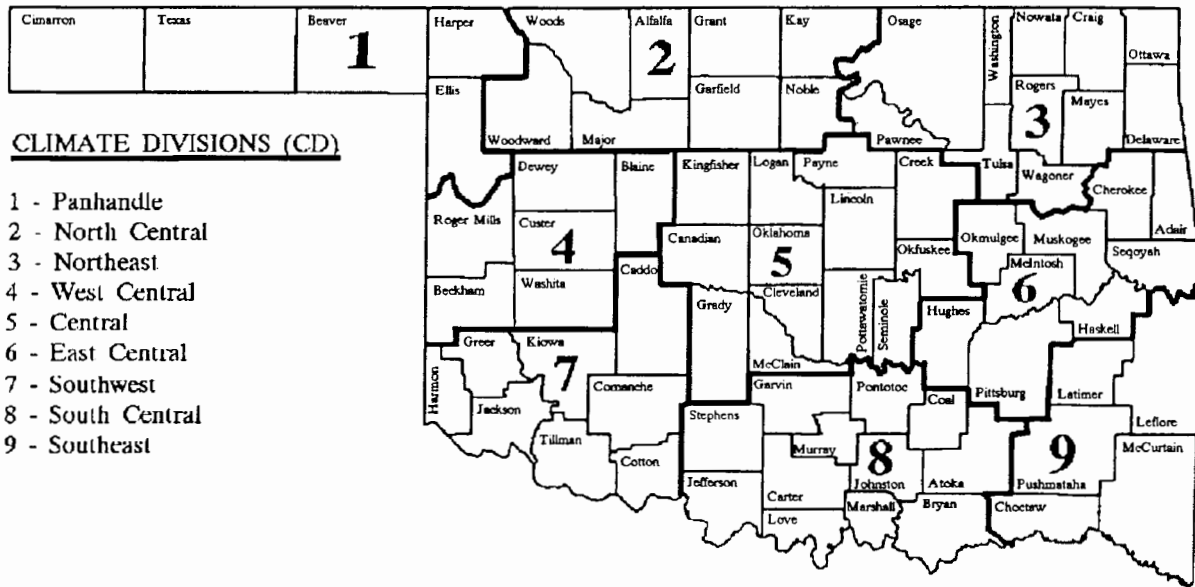
OKLAHOMA CITY

TULSA

DATE	SUNRISE	SUNSET	DAYLIGHT
96 8 1	6:40AM	8:34PM cdt	13 hrs 54 mins
96 8 2	6:41AM	8:33PM cdt	13 hrs 52 mins
96 8 3	6:41AM	8:32PM cdt	13 hrs 51 mins
96 8 4	6:42AM	8:31PM cdt	13 hrs 49 mins
96 8 5	6:43AM	8:30PM cdt	13 hrs 47 mins
96 8 6	6:43AM	8:29PM cdt	13 hrs 46 mins
96 8 7	6:44AM	8:28PM cdt	13 hrs 44 mins
96 8 8	6:45AM	8:27PM cdt	13 hrs 42 mins
96 8 9	6:46AM	8:26PM cdt	13 hrs 41 mins
96 8 10	6:46AM	8:25PM cdt	13 hrs 39 mins
96 8 11	6:47AM	8:24PM cdt	13 hrs 37 mins
96 8 12	6:48AM	8:23PM cdt	13 hrs 35 mins
96 8 13	6:49AM	8:22PM cdt	13 hrs 33 mins
96 8 14	6:49AM	8:21PM cdt	13 hrs 31 mins
96 8 15	6:50AM	8:20PM cdt	13 hrs 30 mins
96 8 16	6:51AM	8:18PM cdt	13 hrs 28 mins
96 8 17	6:51AM	8:17PM cdt	13 hrs 26 mins
96 8 18	6:52AM	8:16PM cdt	13 hrs 24 mins
96 8 19	6:53AM	8:15PM cdt	13 hrs 22 mins
96 8 20	6:54AM	8:14PM cdt	13 hrs 20 mins
96 8 21	6:54AM	8:12PM cdt	13 hrs 18 mins
96 8 22	6:55AM	8:11PM cdt	13 hrs 16 mins
96 8 23	6:56AM	8:10PM cdt	13 hrs 14 mins
96 8 24	6:57AM	8: 9PM cdt	13 hrs 12 mins
96 8 25	6:57AM	8: 7PM cdt	13 hrs 10 mins
96 8 26	6:58AM	8: 6PM cdt	13 hrs 8 mins
96 8 27	6:59AM	8: 5PM cdt	13 hrs 6 mins
96 8 28	6:59AM	8: 3PM cdt	13 hrs 4 mins
96 8 29	7: 0AM	8: 2PM cdt	13 hrs 2 mins
96 8 30	7: 1AM	8: 1PM cdt	13 hrs 0 mins
96 8 31	7: 2AM	7:59PM cdt	12 hrs 58 mins

DATE	SUNRISE	SUNSET	DAYLIGHT
96 8 1	6:31AM	8:28PM cdt	13 hrs 57 mins
96 8 2	6:32AM	8:28PM cdt	13 hrs 55 mins
96 8 3	6:33AM	8:27PM cdt	13 hrs 54 mins
96 8 4	6:34AM	8:26PM cdt	13 hrs 52 mins
96 8 5	6:34AM	8:25PM cdt	13 hrs 50 mins
96 8 6	6:35AM	8:24PM cdt	13 hrs 49 mins
96 8 7	6:36AM	8:23PM cdt	13 hrs 47 mins
96 8 8	6:37AM	8:22PM cdt	13 hrs 45 mins
96 8 9	6:37AM	8:21PM cdt	13 hrs 43 mins
96 8 10	6:38AM	8:20PM cdt	13 hrs 42 mins
96 8 11	6:39AM	8:19PM cdt	13 hrs 40 mins
96 8 12	6:40AM	8:18PM cdt	13 hrs 38 mins
96 8 13	6:40AM	8:16PM cdt	13 hrs 36 mins
96 8 14	6:41AM	8:15PM cdt	13 hrs 34 mins
96 8 15	6:42AM	8:14PM cdt	13 hrs 32 mins
96 8 16	6:43AM	8:13PM cdt	13 hrs 30 mins
96 8 17	6:44AM	8:12PM cdt	13 hrs 28 mins
96 8 18	6:44AM	8:10PM cdt	13 hrs 26 mins
96 8 19	6:45AM	8: 9PM cdt	13 hrs 24 mins
96 8 20	6:46AM	8: 8PM cdt	13 hrs 22 mins
96 8 21	6:47AM	8: 7PM cdt	13 hrs 20 mins
96 8 22	6:47AM	8: 5PM cdt	13 hrs 18 mins
96 8 23	6:48AM	8: 4PM cdt	13 hrs 16 mins
96 8 24	6:49AM	8: 3PM cdt	13 hrs 14 mins
96 8 25	6:50AM	8: 1PM cdt	13 hrs 12 mins
96 8 26	6:50AM	8: 0PM cdt	13 hrs 10 mins
96 8 27	6:51AM	7:59PM cdt	13 hrs 8 mins
96 8 28	6:52AM	7:57PM cdt	13 hrs 6 mins
96 8 29	6:53AM	7:56PM cdt	13 hrs 3 mins
96 8 30	6:53AM	7:55PM cdt	13 hrs 1 mins
96 8 31	6:54AM	7:53PM cdt	12 hrs 59 mins

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.

TULSA CLIMATE CALENDAR

AUGUST 1996

The data on this calendar are for Tulsa. Normal values are calculated for the period 1948-1991. Temperature extremes are for the period 1905-1992; precipitation extremes are for the period 1948-1992.

Normal 1 Actual 93.0 max 72.0 min 0.07 ppt 0 rdd 18 cdd	Normal 2 Actual 94.0 max 72.0 min 0.03 ppt 0 rdd 18 cdd	Normal 3 Actual 94.0 max 71.0 min 0.02 ppt 0 rdd 18 cdd	Normal 4 Actual 93.0 max 71.0 min 0.08 ppt 0 rdd 17 cdd	Normal 5 Actual 95.0 max 71.0 min 0.03 ppt 0 rdd 18 cdd	Normal 6 Actual 95.0 max 72.0 min 0.06 ppt 0 rdd 19 cdd	Normal 7 Actual 95.0 max 72.0 min 0.08 ppt 0 rdd 18 cdd
Highest Max 110-1923 Lowest Max 76-1950 Lowest Min 59-1925 Highest Min 86-1980 Greatest ppt 82-1958	Highest Max 108-1980 Lowest Max 82-1976 Lowest Min 57-1971 Highest Min 84-1980 Greatest ppt 62-1978	Highest Max 110-1923 Lowest Max 82-1971 Lowest Min 57-1976 Highest Min 81-1987 Greatest ppt 50-1981	Highest Max 111-1923 Lowest Max 72-1978 Lowest Min 52-1920 Highest Min 84-1980 Greatest ppt 2-03-1957	Highest Max 110-1964 Lowest Max 82-1994 Lowest Min 57-1920 Highest Min 82-1980 Greatest ppt 89-1992	Highest Max 109-1956 Lowest Max 70-1948 Lowest Min 60-1920 Highest Min 82-1980 Greatest ppt 97-1981	Highest Max 109-1935 Lowest Max 78-1989 Lowest Min 60-1920 Highest Min 81-1980 Greatest ppt 1-01-1964
Normal 8 Actual 94.0 max 72.0 min 0.16 ppt 0 rdd 18 cdd	Normal 9 Actual 93.0 max 71.0 min 0.18 ppt 0 rdd 17 cdd	Normal 10 Actual 93.0 max 71.0 min 0.18 ppt 0 rdd 17 cdd	Normal 11 Actual 93.0 max 71.0 min 0.05 ppt 0 rdd 17 cdd	Normal 12 Actual 93.0 max 70.0 min 0.07 ppt 0 rdd 17 cdd	Normal 13 Actual 94.0 max 71.0 min 0.15 ppt 0 rdd 18 cdd	Normal 14 Actual 92.0 max 71.0 min 0.25 ppt 0 rdd 17 cdd
Highest Max 111-1935 Lowest Max 81-1989 Lowest Min 57-1989 Highest Min 82-1970 Greatest ppt 2-43-1973	Highest Max 114-1936 Lowest Max 79-1974 Lowest Min 59-1989 Highest Min 80-1980 Greatest ppt 2-65-1974	Highest Max 115-1936 Lowest Max 82-1986 Lowest Min 55-1920 Highest Min 81-1980 Greatest ppt 2-19-1979	Highest Max 114-1936 Lowest Max 74-1968 Lowest Min 58-1931 Highest Min 80-1983 Greatest ppt 1-00-1992	Highest Max 113-1936 Lowest Max 79-1968 Lowest Min 62-1967 Highest Min 80-1987 Greatest ppt 1-30-1948	Highest Max 114-1936 Lowest Max 74-1961 Lowest Min 54-1967 Highest Min 84-1980 Greatest ppt 1-37-1949	Highest Max 110-1923 Lowest Max 70-1961 Lowest Min 53-1920 Highest Min 81-1980 Greatest ppt 1-95-1948
Normal 15 Actual 93.0 max 71.0 min 0.20 ppt 0 rdd 17 cdd	Normal 16 Actual 93.0 max 71.0 min 0.08 ppt 0 rdd 18 cdd	Normal 17 Actual 93.0 max 71.0 min 0.11 ppt 0 rdd 18 cdd	Normal 18 Actual 93.0 max 71.0 min 0.07 ppt 0 rdd 17 cdd	Normal 19 Actual 92.0 max 70.0 min 0.05 ppt 0 rdd 16 cdd	Normal 20 Actual 92.0 max 71.0 min 0.10 ppt 0 rdd 16 cdd	Normal 21 Actual 92.0 max 69.0 min 0.08 ppt 0 rdd 15 cdd
Highest Max 109-1936 Lowest Max 72-1961 Lowest Min 53-1929 Highest Min 83-1954 Greatest ppt 2-19-1969	Highest Max 109-1936 Lowest Max 77-1964 Lowest Min 57-1922 Highest Min 82-1983 Greatest ppt 1-42-1957	Highest Max 109-1909 Lowest Max 74-1957 Lowest Min 53-1920 Highest Min 84-1966 Greatest ppt 1-35-1970	Highest Max 109-1918 Lowest Max 81-1981 Lowest Min 56-1932 Highest Min 82-1954 Greatest ppt 7-4-1960	Highest Max 108-1934 Lowest Max 75-1977 Lowest Min 56-1932 Highest Min 80-1980 Greatest ppt 7-3-1987	Highest Max 106-1935 Lowest Max 66-1950 Lowest Min 53-1967 Highest Min 78-1983 Greatest ppt 5-37-1989	Highest Max 108-1936 Lowest Max 80-1950 Lowest Min 54-1950 Highest Min 80-1987 Greatest ppt 1-31-1966
Normal 22 Actual 91.0 max 69.0 min 0.08 ppt 0 rdd 15 cdd	Normal 23 Actual 91.0 max 69.0 min 0.05 ppt 0 rdd 15 cdd	Normal 24 Actual 92.0 max 69.0 min 0.07 ppt 0 rdd 16 cdd	Normal 25 Actual 92.0 max 69.0 min 0.02 ppt 0 rdd 16 cdd	Normal 26 Actual 92.0 max 69.0 min 0.07 ppt 0 rdd 16 cdd	Normal 27 Actual 92.0 max 69.0 min 0.08 ppt 0 rdd 16 cdd	Normal 28 Actual 91.0 max 68.0 min 0.19 ppt 0 rdd 15 cdd
Highest Max 106-1936 Lowest Max 72-1961 Lowest Min 50-1920 Highest Min 77-1987 Greatest ppt 1-14-1971	Highest Max 108-1936 Lowest Max 68-1966 Lowest Min 51-1920 Highest Min 79-1993 Greatest ppt 1-11-1977	Highest Max 107-1936 Lowest Max 79-1966 Lowest Min 53-1920 Highest Min 80-1983 Greatest ppt 2-18-1972	Highest Max 105-1978 Lowest Max 83-1985 Lowest Min 57-1966 Highest Min 80-1983 Greatest ppt 6-3-1975	Highest Max 104-1978 Lowest Max 76-1964 Lowest Min 62-1910 Highest Min 81-1978 Greatest ppt 1-91-1987	Highest Max 105-1913 Lowest Max 70-1917 Lowest Min 50-1910 Highest Min 80-1983 Greatest ppt 1-00-1974	Highest Max 104-1963 Lowest Max 70-1988 Lowest Min 53-1967 Highest Min 82-1990 Greatest ppt 2-12-1964
Normal 29 Actual 91.0 max 69.0 min 0.10 ppt 0 rdd 15 cdd	Normal 30 Actual 91.0 max 69.0 min 0.03 ppt 0 rdd 15 cdd	Normal 31 Actual 90.0 max 69.0 min 0.15 ppt 0 rdd 14 cdd	<p>AUGUST AVERAGES</p> <p>TEMPERATURE : 81.5°F</p> <p>PRECIPITATION : 2.94"</p> <p>HEATING DEGREE DAYS : 0</p> <p>COOLING DEGREE DAYS : 518</p>			
Highest Max 107-1984 Lowest Max 70-1974 Lowest Min 51-1931 Highest Min 79-1984 Greatest ppt 2-36-1955	Highest Max 107-1947 Lowest Max 72-1968 Lowest Min 50-1915 Highest Min 79-1983 Greatest ppt 7-1-1991	Highest Max 106-1951 Lowest Max 74-1986 Lowest Min 48-1915 Highest Min 84-1980 Greatest ppt 1-86-1982				