

OKLAHOMA MONTHLY SUMMARY SEPTEMBER 1995

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MONTHLY SUMMARY FOR SEPTEMBER 1995

Oklahoma weather began its transition into autumn during September. Temperatures were in the 100s in many areas during the first week and snow flurries and frost were reported from some of the same locations later in the month. Despite the hot beginning, the mean temperature of 71.1 degrees for the month was 1.9 degrees less than normal, making this the 19th coolest September in 104 years of weather records. Precipitation was plentiful over most of the state, averaging 5.06 inches (1.12 inches above normal), the 20th greatest September precipitation since 1892.

Below normal precipitation totals were reported mostly in north central and northeastern Oklahoma, while extensive and frequent rainfall in southwestern and south central Oklahoma delayed the maturity of the cotton crop, which was already behind because excessive moisture in the spring had delayed planting. Year-to-date precipitation, averaged statewide totals 35.18 inches, 8.09 inches greater than normal and the state's 7th largest January through September precipitation. The average temperature through the first 9 months of 1995 (63.4 degrees) is two-tenths of a degree below normal, ranking this as the 44th coolest year in history.

Daytime high temperatures in the 90s and 100s were reported statewide through the first six days of the month. The northwest was the hottest area of the state with Oklahoma Mesonet sites at Goodwell (111 degrees) and Hooker (110 degrees), both in Texas County, reporting the highest temperatures on the 5th. National Weather Service Cooperative observers at Hooker (108), Beaver (107) and Gate (107), the latter two in Beaver County, all established new station-record (since 1948) high temperatures for September.

Thunderstorms on the 6th presaged the passing of a vigorous cold front that lowered the daytime high temperatures by anywhere from 20 to 30 degrees. Two to four inch rains were commonplace as the Mesonet station at Burbank (Osage County) and the NWS observer at Pawnee (Pawnee County) led the way with 4.42 and 4.32 inches, respectively. Kenton (Cimarron) reported a daily high temperatures of 94 degrees on the 6th, but could only manage to reach 63 degrees on the 7th.

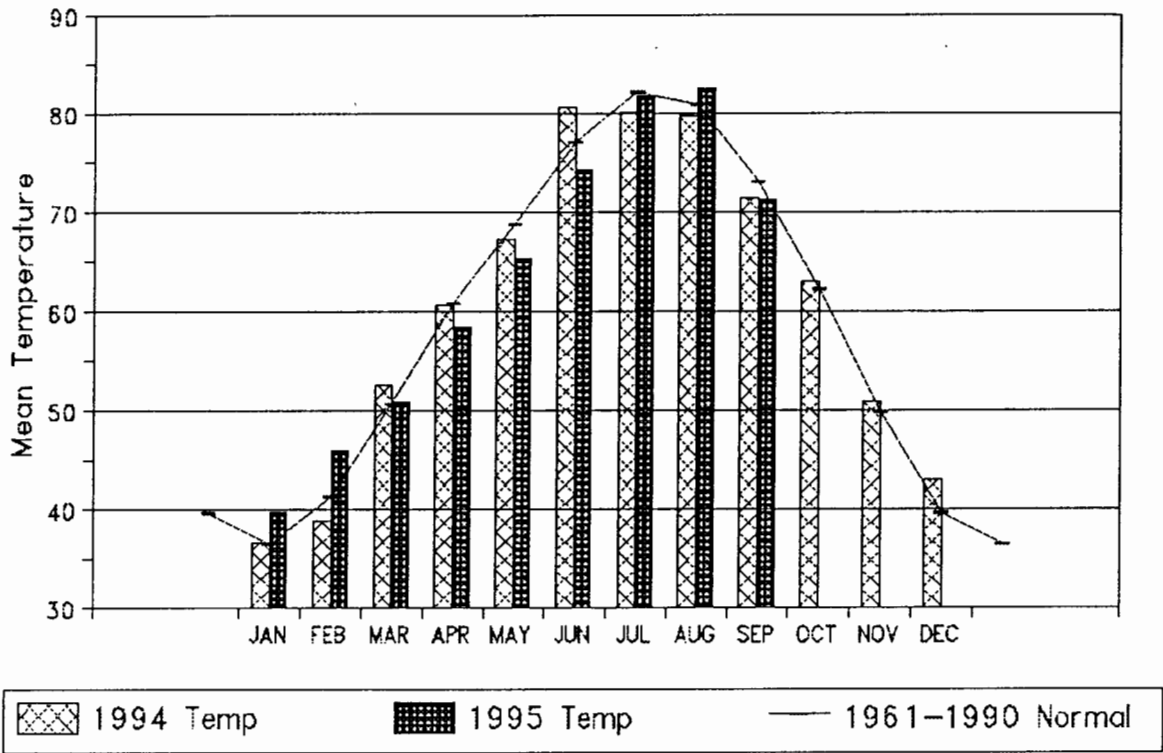
A series of Upper-air disturbances produced thunderstorms and locally heavy rains from the 10th through the 20th. Daisy (Atoka) reported 4.30 inches of rain on the 16th accompanied by more than four inches of rain at Hennepin and Elmore City (both Garvin).

A strong cold front moved into northwestern Oklahoma on the 20th and moved through the state, indicating that summer was indeed ending. National Weather Service observers at Gate (Beaver), Laverne (Harper) and Range (Texas) all reported light snow, although none reported more than a trace. The first sub-freezing temperatures of the season were reported at Oologah Dam (Rogers), Freedom (Woods) and Jefferson (Grant) on the 22nd. The cool air was extensive enough to keep all temperatures in the state below 80 degrees on the 24th.

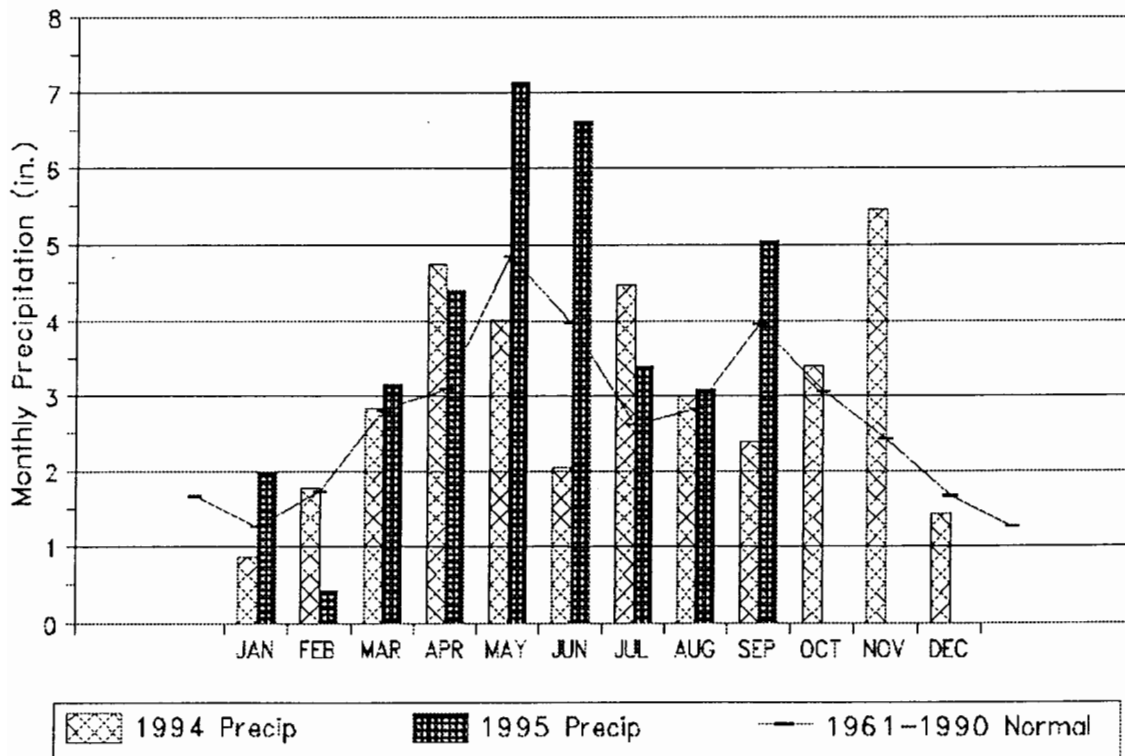
The warm air had not gone far and summer-like weather returned to western portions of the state by the 28th when Hollis (Harmon) reached 92 degrees and several other locations reported high temperatures in the low 90s. Fair skies, warm days and cool nights, typical early autumn weather in Oklahoma, dominated the state through the end of the month.

Howard L. Johnson

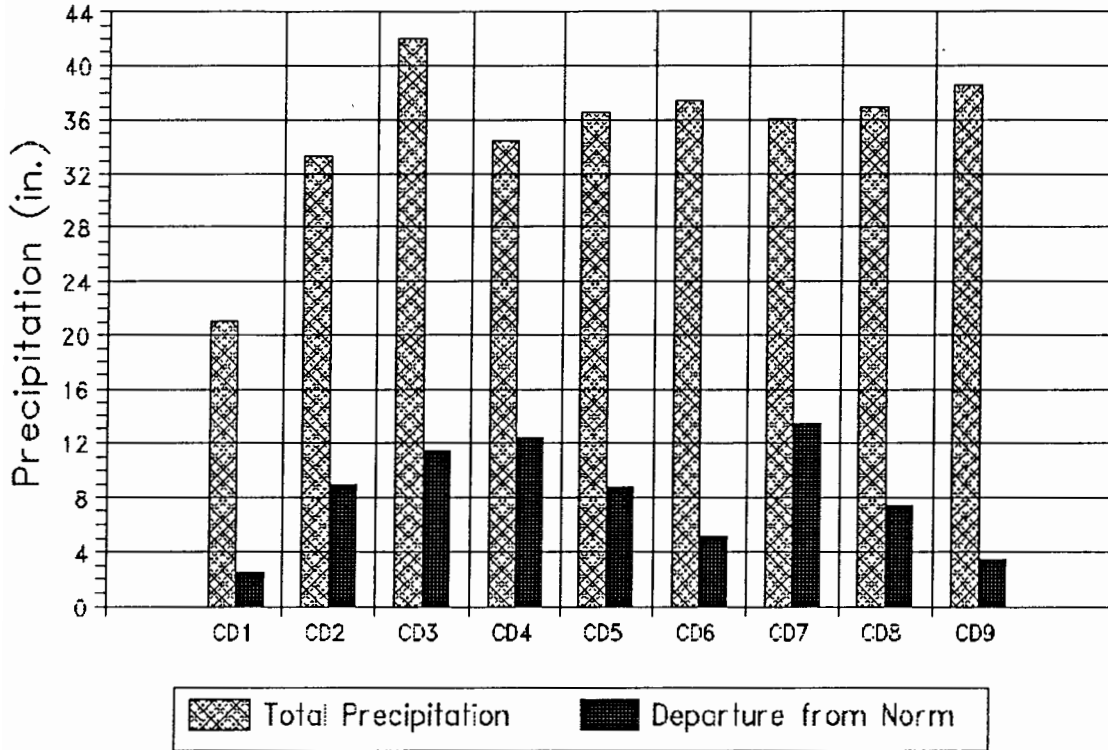
1994 and 1995 STATEWIDE TEMPERATURES Monthly Averages



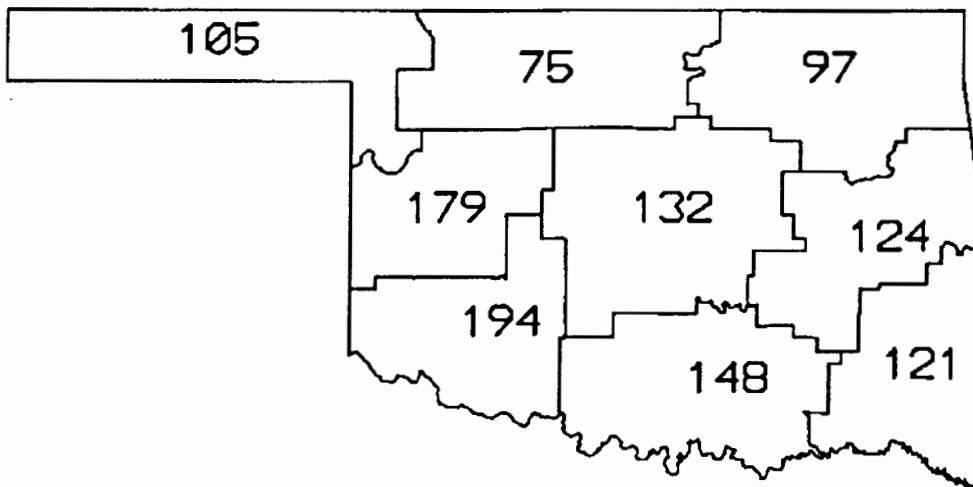
1994 and 1995 STATEWIDE PRECIPITATION Monthly Totals



CD Averaged Precipitation January through September 1995



CD PERCENT OF NORMAL PRECIPITATION



SEPTEMBER 1995

EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION
SEPTEMBER 1995

CD	MAX			MIN			24-HOUR			MONTHLY	
	TEMP	DATE	LOCATION	TEMP	DATE	LOCATION	PRECIP	DATE	LOCATION	PRECIP	LOCATION
1	109	6	GOODWELL	32	21	BOISE CITY	1.74	19	RANGE	4.52	ARNETT
	109	5	GUYMON	32	22	GAGE					
2	106	4	FREEDOM	30	22	FREEDOM	2.15	16	RED ROCK	4.54	RED ROCK
3	102	3	BARTLESVILLE	28	25	HULAH DAM	4.32	7	PAWNEE	8.46	PAWNEE
	102	3	JAY TOWER								
	102	3	MANNFORD								
4	103	3	ERICK	34	23	REYDON	3.73	16	WEATHERFORD	8.74	THOMAS
	103	3	OKEENE								
	103	3	TALOGA								
	103	4	WEATHERFORD								
5	105	3	GUTHRIE	33	23	BRISTOW	3.55	7	WEWOKA	8.93	KONAWA
	105	3	HENNESSEY								
6	102	3	EUFULA	32	23	STILWELL	3.05	16	DUSTIN	9.18	ASHLAND
	102	3	HANNA								
	102	3	HOLDENVILLE								
	102	2	MCCURTAIN								
	102	3	MCCURTAIN								
7	106	6	ALTUS DAM	36	23	WICHITA MT	3.90	16	WILLOW	9.45	WILLOW
			36	24	WICHITA MT						
			36	25	WICHITA MT						
8	105	4	MC GEE CREEK	36	23	CHICKASAW	4.30	16	DAISY	11.21	HENNEPIN
	105	4	TISHOMINGO								
9	105	2	PINE CREEK	35	23	SMITHVILLE	2.72	20	IDABEL	7.21	BOSWELL
				35	23	WILBURTON					

TABLE OF 1994/1995 COMPARISONS

Station	SEPTEMBER Temperature (°F)		SEPTEMBER Precipitation (in.)	
	1994	1995	1994	1995
Arnett	69.2	67.2	1.42	4.52
Mutual	70.2	69.2	1.63	2.70
Tulsa	71.2	70.5	3.60	4.94
Elk City	72.8	71.3	2.15	5.63
Oklahoma City	70.7	70.9	1.65	6.05
McAlester	73.0	72.2	0.98	5.44
Altus Irr Sta	74.2	73.0	1.55	6.23
Durant	72.8	73.4	2.64	8.79
Hugo	73.8	73.6	2.82	6.07

Variable	EXTREMES			
	Station	Division	Observation	Date
Minimum temperature (°F)	Hulah Dam	3	28	25
Maximum temperature (°F)	Goodwell	1	109	6
	Guymon	1	109	5
Maximum 24-hour precipitation	Pawnee	3	4.32"	7

SEPTEMBER 1995 SUMMARY FOR NORTHWEST DIVISION (CD1)

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						
ARNETT	332	1	67.2	30	-2.8	102.	4	34.	23	119.5	94.5	185.5	10.5	4.521	30	1.99	1.13	19			
BEAVER	593	1	69.4	30	-.3	107.	6	33.	23	88.5	57.5	220.0	48.0	2.793	30	.97	.97	21			
BOISE CITY 2 E	908	1	68.7	30	.9	103.	6	32.	21	64.5	32.5	176.0	60.0	.724	30	-1.11	.34	24			
BUFFALO	1243	1	72.1	30	-.8	106.	2	34.	22	63.5	50.5	277.5	27.5	1.800	30	-1.28	.55	21			
FARGO	3070	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.382	30	.11	.72	19			
GAGE FAA APT	3407	1	68.7	30	-2.9	104.	3	32.	22	87.5	69.5	198.5	-17.5	2.074	30	.08	.66	18			
GATE	3489	1	72.0	30	.8	107.	6	42.	22	57.0	40.0	266.5	63.5	2.333	30	.24	1.07	21			
GOODWELL RES ST	3628	1	68.5	30	.4	109.	6	34.	23	87.5	48.5	192.5	60.5	2.444	30	.76	1.70	20			
GUYMON	3835	1	68.4	18	*****	109.	5	34.	23	61.5	*****	123.5	*****	1.031	25	*****	.48	19			
HOOKER	4298	1	68.7	30	-.8	108.	6	34.	23	95.5	61.5	207.0	38.0	1.382	29	*****	.40	19			
KENTON	4766	1	67.1	27	*****	104.	5	33.	20	85.0	*****	142.0	*****	.723	29	*****	.36	24			
LAVERNE	5045	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.283	30	.26	.76	21			
RANGE	7412	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.215	30	*****	1.74	19			
REGNIER	7534	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.412	30	-1.29	.23	24			
TURPIN 4 SSE	9017	1	62.7	18	*****	90.	18	33.	22	93.0	*****	51.0	*****	2.551	28	*****	1.12	19			

SEPTEMBER 1995 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

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						
ALVA	193	2	72.2	30	*****	104.	3	34.	22	63.0	*****	279.0	*****	1.560	30	*****	.60	21			
VANCE AFB	302	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.272	28	*****	.67	21			
BILLINGS	755	2	70.7	30	-1.7	103.	4	35.	22	73.5	53.5	245.5	3.5	3.763	29	*****	2.00	16			
BLACKWELL 2E	818	2	72.5	30	-.3	102.	3	37.	22	52.5	35.5	277.0	26.0	1.901	30	-2.18	.63	16			
BRAMAN	1075	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.210	30	*****	.29	12			
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.700	30	*****	.78	29			
CHEROKEE	1724	2	71.6	30	-2.2	103.	3	35.	22	67.0	56.0	264.0	-11.0	1.670	30	-1.39	.40	29			
ENID	2912	2	71.8	30	-1.6	103.	3	37.	22	70.0	57.0	273.0	8.0	3.450	30	-.03	1.58	16			
FT SUPPLY DAM	3304	2	69.0	29	-1.4	103.	4	33.	22	99.5	77.5	216.5	32.5	2.033	30	-.28	.46	21			
FREEDOM	3358	2	68.7	30	-4.0	106.	4	30.	22	107.5	93.5	218.5	-26.5	2.390	30	-.20	.72	19			
GREAT SALT PLNS	3740	2	70.6	19	*****	102.	5	34.	22	41.5	*****	148.5	*****	1.460	27	*****	.48	16			
HELENA 1 SSE	4019	2	70.3	30	-1.2	103.	4	37.	23	87.5	68.5	247.5	33.5	2.513	30	-.72	1.11	16			
JEFFERSON	4573	2	71.5	30	-1.8	103.	3	31.	22	73.0	62.0	269.0	9.0	2.231	30	-1.46	.93	15			
LAMONT	5013	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.801	30	*****	.90	16			
MEDFORD	5768	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.930	30	*****	.79	11			
MORRISON	6065	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.820	30	*****	.95	16			
MUTUAL	6139	2	69.2	30	-2.0	105.	4	34.	23	100.5	81.5	226.5	21.5	2.700	30	.05	.78	29			
NEWKIRK	6278	2	70.7	30	-2.0	100.	3	34.	22	73.0	59.0	244.0	-1.0	2.401	30	-1.87	1.40	7			
ORIENTA	6751	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.000	30	-.06	1.15	16			
PERRY	7012	2	71.8	30	-1.8	102.	4	38.	22	73.0	59.0	277.5	5.5	3.280	30	-1.10	.82	16			
PONCA CITY FAA	7201	2	72.1	30	.0	105.	3	37.	22	62.5	39.5	275.5	39.5	3.893	30	-.45	1.31	7			
RED ROCK 1 NNE	7505	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.540	30	.31	2.15	16			
WAYNOKA	9404	2	70.7	30	-2.3	104.	3	33.	22	74.5	60.5	244.0	-7.0	2.440	30	-.13	.66	12			
WOODWARD	9760	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.182	30	-.16	.73	29			

SEPTEMBER 1995 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	CD	DEV				MIN		HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		24-HR DAY	
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	DAY	TEMP							DAY	FROM NORM		MAX
BARNSDALL	535	3	70.0	30	-2.8	100.	3	32.	23	85.5	61.5	235.0	-23.0	5.901	30	.29	2.20	7
BARTLESVILLE 2W	548	3	70.5	30	-2.3	102.	3	29.	23	85.0	69.0	249.5	-5	2.582	30	-1.99	1.04	16
BIXBY	782	3	69.9	30	-1.6	100.	5	34.	24	84.0	63.0	232.0	16.0	2.921	30	-1.79	1.13	17
BURBANK	1256	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.513	30	1.85	3.45	7
CHELSEA 4 S	1717	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.360	30	*****	1.46	16
CLAREMORE	1828	3	68.9	29	-3.1	98.	4	33.	24	99.0	75.0	212.5	-21.5	4.210	30	-.24	2.17	7
CLEVELAND 5 WSW	1902	3	71.2	29	*****	100.	3	36.	22	67.0	*****	247.5	*****	7.090	30	*****	2.13	6
FORAKER	3250	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.950	30	.11	3.00	7
HOLLOW	4258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.620	30	-3.41	.72	16
HOMINY	4289	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.253	30	1.13	2.04	20
HULAH DAM	4393	3	67.2	18	*****	100.	5	28.	25	70.5	*****	110.5	*****	2.072	18	*****	.84	19
JAY TOWER	4567	3	70.2	30	*****	102.	3	36.	22	87.0	*****	243.0	*****	4.210	30	*****	3.25	16
KANSAS 1 ESE	4672	3	68.6	26	*****	96.	2	36.	23	87.0	*****	181.5	*****	2.783	30	-2.66	1.15	16
KEYSTONE DAM	4812	3	69.2	29	-2.3	101.	4	34.	23	96.5	73.5	217.5	-.5	3.960	30	-.81	1.00	7
LENAPAH	5118	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.310	30	*****	.82	7
MANNFORD 6 NW	5522	3	71.2	30	-1.4	102.	3	35.	23	75.5	50.5	262.0	9.0	4.180	30	-.38	.84	16
MARAMEC	5540	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.901	30	3.21	2.30	19
MIAMI	5855	3	68.0	30	-3.0	97.	1	33.	22	97.5	66.5	187.5	-23.5	1.850	30	-3.22	.82	16
NOWATA	6485	3	69.5	30	-2.9	101.	2	35.	23	94.0	74.0	228.5	-13.5	4.641	30	-.71	1.77	16
OOLOGAH DAM	6729	3	69.2	30	*****	101.	4	29.	23	90.0	*****	215.0	*****	5.442	30	*****	2.23	7
PAWHUSKA	6935	3	70.2	30	-2.1	100.	3	34.	23	81.5	60.5	237.0	-3.0	8.122	30	3.19	3.48	7
PAWNEE	6940	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.460	30	3.42	4.32	7
PRYOR 6 N	7309	3	68.4	30	-2.8	97.	4	33.	24	100.0	71.0	202.0	-13.0	3.953	30	-.80	1.12	17
RALSTON	7390	3	71.4	30	-1.4	101.	3	34.	23	73.0	54.0	266.0	13.0	6.500	30	1.83	3.10	7
SKIATOOK	8258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.510	24	*****	1.70	19
SPAVINAW	8380	3	72.1	30	-1.6	97.	2	38.	22	60.5	48.5	272.0	-1.0	3.282	30	-1.50	1.55	17
TULSA WSO APT	8992	3	70.5	30	-2.8	101.	3	37.	23	82.0	62.0	248.0	-21.0	4.942	30	.24	1.50	28
UPPER SPAVINAW	9101	3	68.7	27	*****	95.	5	35.	23	74.5	*****	175.0	*****	3.942	30	*****	2.10	17
VINITA 2 N	9203	3	74.1	24	*****	97.	3	33.	23	18.5	*****	237.5	*****	3.942	30	-1.18	2.07	16
WAGONER	9247	3	71.0	30	-2.4	98.	3	34.	23	69.0	55.0	249.0	-17.0	5.311	30	.75	2.05	29
WANN	9298	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.093	30	*****	.30	16
WYNONA	9792	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.164	30	*****	2.17	7

SEPTEMBER 1995 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	CD	DEV				MIN		HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		24-HR DAY	
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	DAY	TEMP							DAY	FROM NORM		MAX
CANTON DAM	1445	4	69.3	30	-2.6	102.	4	38.	22	96.5	80.5	225.0	2.0	3.191	30	.01	1.04	21
CLINTON	1909	4	71.3	30	-2.6	102.	3	41.	23	64.0	51.0	254.5	-25.5	7.856	30	4.13	3.00	16
COLONY	2039	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.534	30	*****	2.27	18
CORDELL	2125	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.234	30	3.62	2.13	16
ELK CITY 1 E	2849	4	71.3	25	*****	101.	3	38.	22	54.0	*****	211.5	*****	5.633	30	2.35	2.03	20
ERICK 4 E	2944	4	69.8	30	-2.7	103.	3	40.	23	73.5	60.5	216.0	-19.0	5.651	30	2.43	1.70	16
GEARY	3497	4	68.9	29	-3.8	98.	3	40.	22	69.0	53.0	182.5	-64.5	6.880	30	3.08	2.32	16
HAMMON 3 SSW	3871	4	68.8	26	*****	100.	4	36.	23	79.5	*****	178.0	*****	6.240	29	*****	1.47	19
LEEDEY	5090	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.310	30	2.60	1.46	21
MACKIE 4 NNW	5463	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.390	30	*****	1.18	19
MORAVIA 2 NNE	6035	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.890	30	3.48	2.95	16
OKEENE	6629	4	70.8	30	-2.9	103.	3	36.	22	74.0	61.0	246.5	-27.5	3.360	30	-.33	.95	21
RETROP	7565	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.070	30	*****	3.45	16
REYDON	7579	4	66.1	29	-4.7	102.	6	34.	23	119.5	101.5	151.5	-40.5	5.870	30	2.84	1.52	11
SAYRE	7952	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.820	30	1.78	1.54	16
SWEETWATER 2 E	8652	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.764	30	*****	1.75	19
TALOGA	8708	4	70.0	26	*****	103.	3	35.	23	73.0	*****	203.0	*****	2.870	30	-.10	1.10	21
THOMAS	8815	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.740	30	*****	2.10	13
VICI	9172	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.160	30	.52	1.28	28
WATONGA	9364	4	70.7	30	-2.0	101.	3	38.	22	69.5	53.5	241.0	-6.0	6.042	30	2.67	1.43	19
WEATHERFORD	9422	4	70.9	29	-1.2	103.	4	39.	23	72.0	54.0	243.0	12.0	8.270	30	4.53	3.73	16

SEPTEMBER 1995 SUMMARY FOR CENTRAL DIVISION (CD5)

Table with columns: NAME, ID, CD, MEAN TEMP, NUM OBS, DEV FROM NORM, MAX 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, DAY. Rows include stations like AMBER, ARCADIA, TINKER AFB, etc.

SEPTEMBER 1995 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

Table with columns: NAME, ID, CD, MEAN TEMP, NUM OBS, DEV FROM NORM, MAX 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, DAY. Rows include stations like ASHLAND, BEGGS, BOYNTON, etc.

SEPTEMBER 1995 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	CD	DEV					HEAT				COOL				TOT	NUM	DEV		24-HR	DAY
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	DEG	FROM	DEG	FROM			DEG	FROM		
ALTUS IRR STA	179	7	73.0	30	-2.1	105.	5	43.	23	51.5	45.5	292.5	-16.5	6.230	30	2.79	1.87	16			
ALTUS DAM	184	7	71.4	30	-2.6	106.	6	41.	22	65.0	57.0	256.5	-21.5	9.290	30	5.86	2.30	16			
ANADARKO	224	7	70.8	28	*****	101.	4	39.	23	68.0	*****	229.0	*****	6.322	29	*****	3.00	16			
APACHE	260	7	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	5.770	30	2.02	1.39	16			
ALTUS AFB	447	7	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	5.345	28	*****	1.12	21			
CARNEGIE 2 ENE	1504	7	71.3	30	-2.6	104.	3	40.	24	71.5	59.5	259.5	-19.5	5.604	30	1.57	1.66	15			
CHATTANOOGA	1706	7	74.4	29	-.9	105.	6	42.	23	50.5	43.5	322.0	6.0	6.060	30	2.39	2.29	16			
DUNCAN 11 W	2668	7	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	6.163	30	*****	1.92	16			
FREDERICK	3353	7	71.9	29	-2.6	102.	7	43.	22	56.5	49.5	258.0	-34.0	8.120	30	4.54	2.32	18			
HEADRICK	3998	7	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	8.003	30	*****	2.07	12			
HOBART FAA APT	4204	7	71.5	30	-2.4	103.	5	42.	21	61.5	51.5	256.0	-21.0	7.521	30	3.97	2.78	15			
HOLLIS	4249	7	71.3	30	-3.3	104.	6	40.	23	57.5	51.5	245.0	-46.0	7.260	30	4.13	2.42	16			
LAWTON	5063	7	71.8	30	-2.2	104.	5	40.	23	69.5	61.5	274.0	-4.0	6.060	30	2.40	1.50	16			
FORT SILL	5068	7	72.2	30	*****	104.	3	41.	23	61.0	*****	276.5	*****	5.193	30	*****	.87	19			
LOOKEBA 2 ENE	5329	7	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	5.001	30	.65	1.54	19			
MANGUM RES STA	5509	7	72.8	30	-1.9	105.	6	42.	23	48.0	42.0	282.5	-14.5	8.850	30	5.47	2.71	16			
RANDLETT 9 E	7403	7	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	6.223	30	*****	2.35	17			
ROOSEVELT	7727	7	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	7.810	30	4.48	2.25	16			
SEDAN	8016	7	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	6.722	30	*****	1.67	16			
SNYDER	8299	7	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	5.284	30	1.71	1.10	16			
VINSON 3 WNW	9212	7	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	8.620	30	5.42	3.75	16			
WALTERS	9278	7	72.9	30	-2.6	105.	4	42.	23	55.0	46.0	293.5	-30.5	4.960	30	.71	1.43	19			
WICHITA MT WLR	9629	7	69.2	30	-3.3	102.	5	36.	25	96.5	83.5	221.0	-14.0	8.960	30	4.93	1.58	13			
WILLOW	9668	7	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	9.451	30	*****	3.90	16			

SEPTEMBER 1995 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

NAME	ID	CD	DEV					HEAT				COOL				TOT	NUM	DEV		24-HR	DAY
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	DEG	FROM	DEG	FROM			DEG	FROM		
ADA	17	8	71.4	30	-2.4	100.	3	38.	23	64.5	56.5	258.0	-14.0	8.132	30	3.67	2.77	16			
ALLEN	147	8	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	10.300	30	*****	2.70	16			
ARDMORE	292	8	74.1	30	-2.1	101.	5	42.	23	43.0	38.0	316.0	-25.0	4.011	30	-.16	1.95	19			
ATOKA DAM	394	8	72.4	20	*****	102.	1	46.	22	27.0	*****	175.5	*****	7.060	20	*****	2.86	19			
BOKCHITO	917	8	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	6.300	30	*****	1.68	13			
CANEY	1437	8	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	6.140	30	*****	1.78	19			
CENTRAHOMA	1648	8	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	6.950	30	*****	2.10	16			
CHICKASAW NRA	1745	8	71.9	30	-1.7	103.	5	36.	23	56.5	42.5	262.5	-9.5	5.470	30	.83	1.58	16			
COLEMAN	2011	8	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	5.170	30	*****	3.10	19			
COMANCHE	2054	8	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	6.600	30	2.12	1.73	18			
DAISY 4 ENE	2354	8	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	9.762	30	4.20	4.30	16			
DUNCAN	2660	8	71.4	30	-2.8	101.	5	41.	23	76.0	67.0	268.5	-16.5	5.521	30	1.11	1.84	16			
DURANT USDA	2678	8	73.4	30	-.5	104.	4	40.	23	45.5	35.5	298.5	21.5	8.790	30	3.38	1.75	28			
ELMORE CITY	2872	8	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	9.710	30	*****	4.03	16			
GRADY	3688	8	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	4.430	30	*****	.90	17			
HEALDTON	4001	8	73.4	30	-1.3	103.	4	40.	23	47.0	39.0	300.0	1.0	4.080	30	-.46	1.04	19			
HENNEPIN	4052	8	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	11.210	30	*****	4.25	16			
KETCHUM RANCH	4780	8	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	6.540	30	*****	1.40	11			
KINGSTON	4865	8	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	6.531	30	1.75	3.89	12			
LEHIGH	5108	8	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	9.904	30	*****	3.60	19			
LINDSAY 2 W	5216	8	73.0	30	-.6	102.	3	38.	23	56.0	42.0	296.0	24.0	6.240	30	1.93	1.54	16			
LOCO 6 SE	5247	8	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	4.900	30	*****	1.52	19			
MADILL	5468	8	73.9	30	-1.5	102.	4	48.	26	46.0	38.0	313.0	-7.0	5.591	30	.77	2.00	19			
MARIETTA	5563	8	74.4	30	-1.0	103.	3	44.	23	33.5	25.5	316.5	-3.5	3.640	30	-.55	1.08	19			
MARLOW 1 WSW	5581	8	73.6	30	-.1	104.	3	40.	23	55.5	45.5	314.0	43.0	6.990	30	2.66	2.61	16			
MC GEE CREEK DAM	5713	8	73.3	30	*****	105.	4	41.	23	51.0	*****	299.5	*****	5.291	30	*****	2.20	12			
PAULS VALLEY	6926	8	73.3	30	-1.3	103.	1	37.	23	52.0	43.0	302.5	5.5	9.280	30	5.23	4.10	16			
PONTOTOC	7214	8	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	5.700	30	1.70	1.44	15			
TISHOMINGO NWLR	8884	8	73.9	26	*****	105.	4	39.	24	34.5	*****	265.0	*****	8.940	30	4.03	3.33	27			
TUSSY	9032	8	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	7.431	30	*****	2.13	16			
WAURIKA	9395	8	73.9	30	-1.8	104.	4	46.	23	47.0	47.0	314.0	-12.0	4.701	30	.79	1.34	16			
WAURIKA DAM	9399	8	74.4	25	*****	104.	5	43.	24	38.5	*****	272.5	*****	5.133	30	*****	1.72	19			

SEPTEMBER 1995 SUMMARY FOR SOUTHEAST DIVISION (CD9)

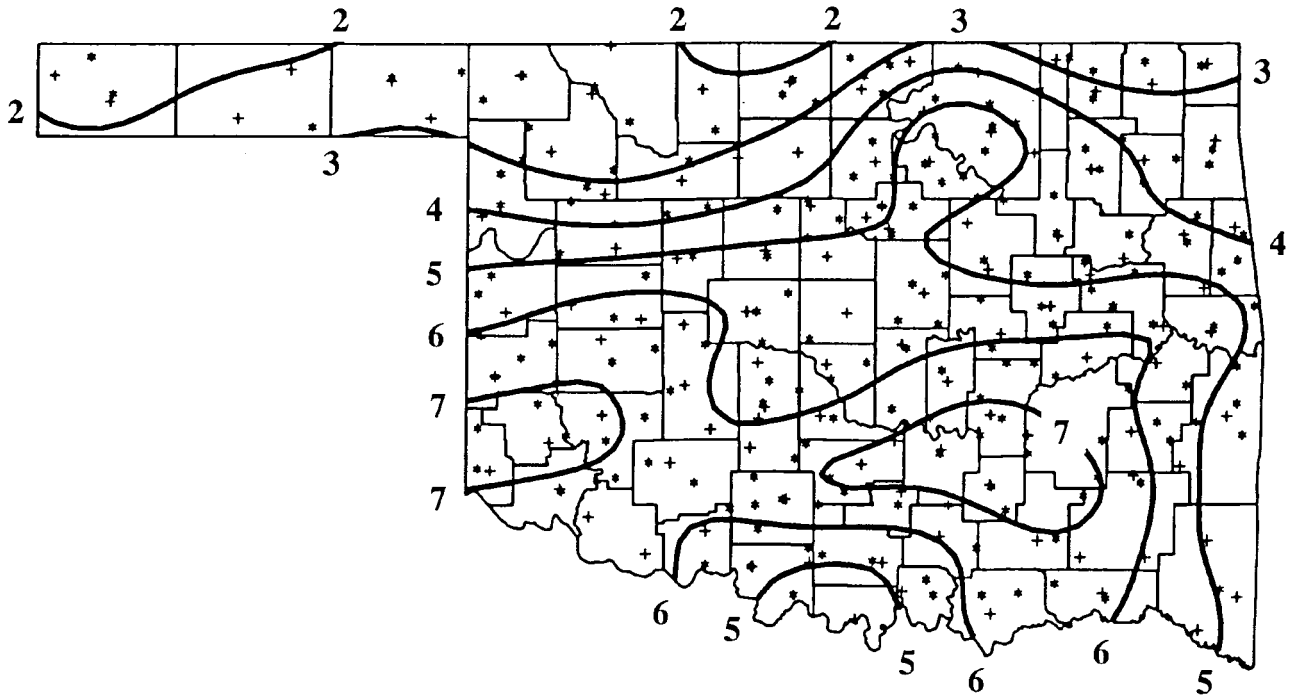
NAME	ID	CD	DEV					HEAT		DEV		COOL		DEV		TOT	NUM	FROM	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	DEG	FROM	DEG	FROM						
ANTLERS	256	9	72.8	30	-1.3	102.	3	40.	24	43.0	33.0	277.0	-6.0	*****	0	*****	*****	0			
BATTIEST 1 SSW	567	9	69.3	30	*****	99.	4	36.	23	65.0	*****	194.5	*****	6.990	30	*****	2.25	13			
BEAR MT TWR	584	9	72.0	29	-2.4	104.	4	40.	23	47.0	39.0	250.0	-40.0	4.930	30	-.25	1.80	13			
BENGAL	670	9	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	6.021	30	*****	1.70	12			
BOSWELL 4 NNW	980	9	72.4	30	-2.1	104.	1	41.	23	51.5	42.5	273.0	-21.0	7.207	30	2.74	1.35	20			
BROKEN BOW 1 N	1162	9	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	6.310	30	1.77	2.38	18			
BROKEN BOW DAM	1168	9	73.5	30	-.2	104.	1	41.	25	29.0	21.0	283.5	14.5	4.952	30	.24	1.59	20			
CARNASAW TWR	1499	9	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	4.870	30	.28	1.52	13			
CARTER TWR	1544	9	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	3.910	30	-.88	2.46	13			
FANSHAW	3065	9	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	5.520	30	.84	1.05	12			
HEAVENER 1 SE	4008	9	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	3.120	30	-1.45	.95	29			
HEE MT TWR	4017	9	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	5.820	30	1.20	2.57	18			
HUGO	4384	9	73.6	30	-1.6	102.	1	42.	23	36.5	30.5	295.0	-17.0	6.073	30	1.54	1.66	20			
IDABEL	4451	9	72.1	30	-1.8	103.	2	42.	23	40.5	32.5	253.0	-22.0	6.291	30	2.10	2.72	20			
PINE CREEK DAM	7080	9	72.7	30	*****	105.	2	41.	24	43.0	*****	273.5	*****	3.371	29	*****	1.40	14			
POTEAU W W	7254	9	71.1	30	*****	101.	1	36.	23	48.0	*****	231.5	*****	4.633	30	*****	1.60	16			
SMITHVILLE 1 W	8285	9	70.2	30	-1.6	100.	3	35.	23	47.5	26.5	203.5	-21.5	5.252	30	.68	2.00	17			
SPIRO	8416	9	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	3.890	30	-.15	1.17	17			
TUSKAHOMA	9023	9	72.9	30	-1.3	103.	3	37.	23	46.0	33.0	283.5	-5.5	6.581	30	1.40	1.45	17			
VALLIANT 3 W	9118	9	*****	0	*****	*****	0	****	0	*****	*****	*****	*****	6.482	30	1.51	1.81	17			
WILBURTON 9 ENE	9634	9	71.3	30	-1.6	101.	3	35.	23	59.0	44.0	248.5	-3.5	5.940	30	1.05	1.23	16			

SEPTEMBER 1995 CLIMATE DIVISION SUMMARY

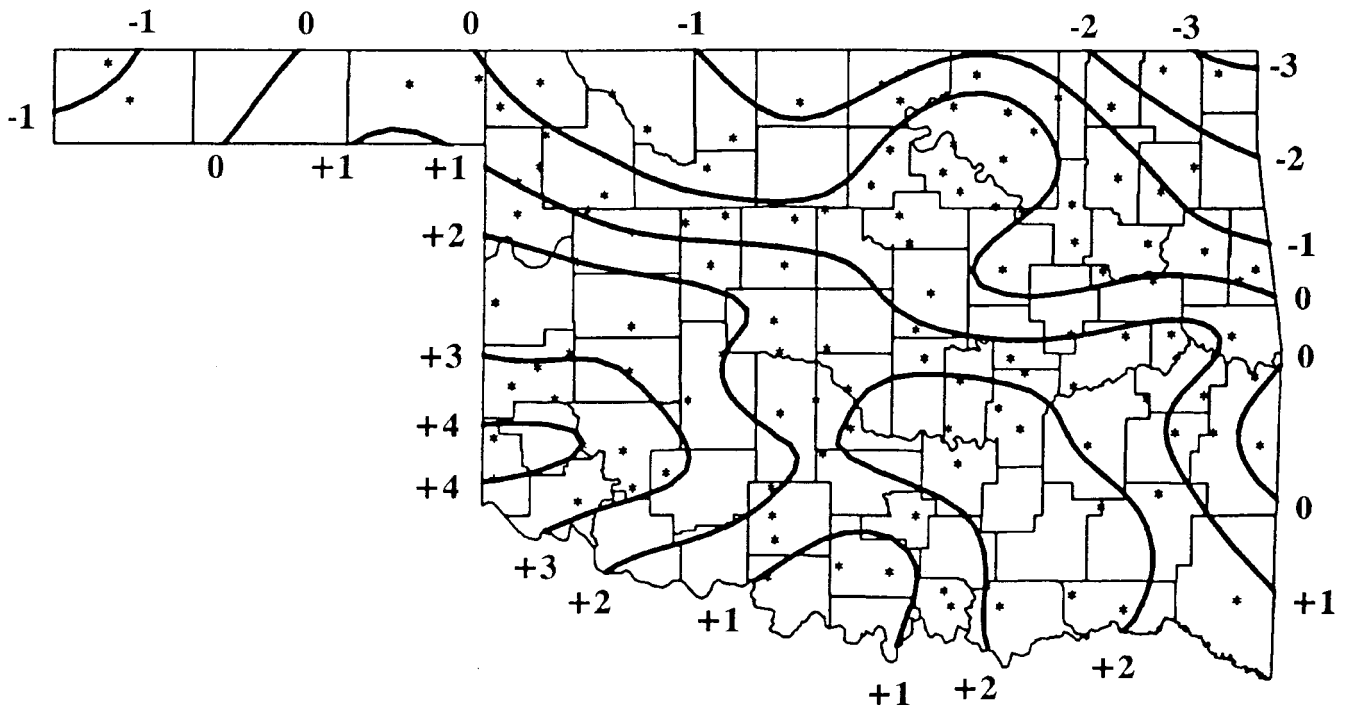
CLIMATE	DIV	MEAN	NUM	DEV					HEAT	DEV	COOL	DEV	TOT	NUM	DEV		24-HR	DAY
				FROM	MAX	MIN	DEGREE	FROM							DEGREE	FROM		
	1	69.4	8	-.3	109.0	5	32.0	22	82.9	54.3	215.4	45.1	2.18	11	.10	1.74	19	
	2	70.9	14	-1.6	106.0	4	30.0	22	76.9	60.7	254.1	13.5	2.55	21	-.87	2.15	16	
	3	70.1	17	-2.1	102.0	3	28.0	25	83.9	62.4	235.5	-2.4	4.65	30	-.22	4.32	7	
	4	69.7	8	-2.7	103.0	4	34.0	23	79.8	64.7	220.0	-19.2	5.93	20	2.64	3.73	16	
	5	71.6	16	-1.8	105.0	3	33.0	23	70.5	56.9	267.9	1.3	5.69	35	1.47	3.55	7	
	6	70.8	9	-2.4	102.0	3	32.0	23	64.8	49.1	239.4	-24.4	5.66	28	1.08	3.05	16	
	7	72.0	12	-2.3	106.0	6	36.0	25	62.0	53.4	269.8	-17.2	6.96	22	3.31	3.90	16	
	8	73.2	13	-1.4	105.0	4	36.0	23	51.8	43.1	296.8	.4	6.75	31	2.21	4.30	16	
	9	72.0	12	-1.9	105.0	2	35.0	23	46.3	35.4	255.5	-21.0	5.52	19	.85	2.72	20	

MESONET MONTHLY DATA SUMMARY FOR SEPTEMBER 1995

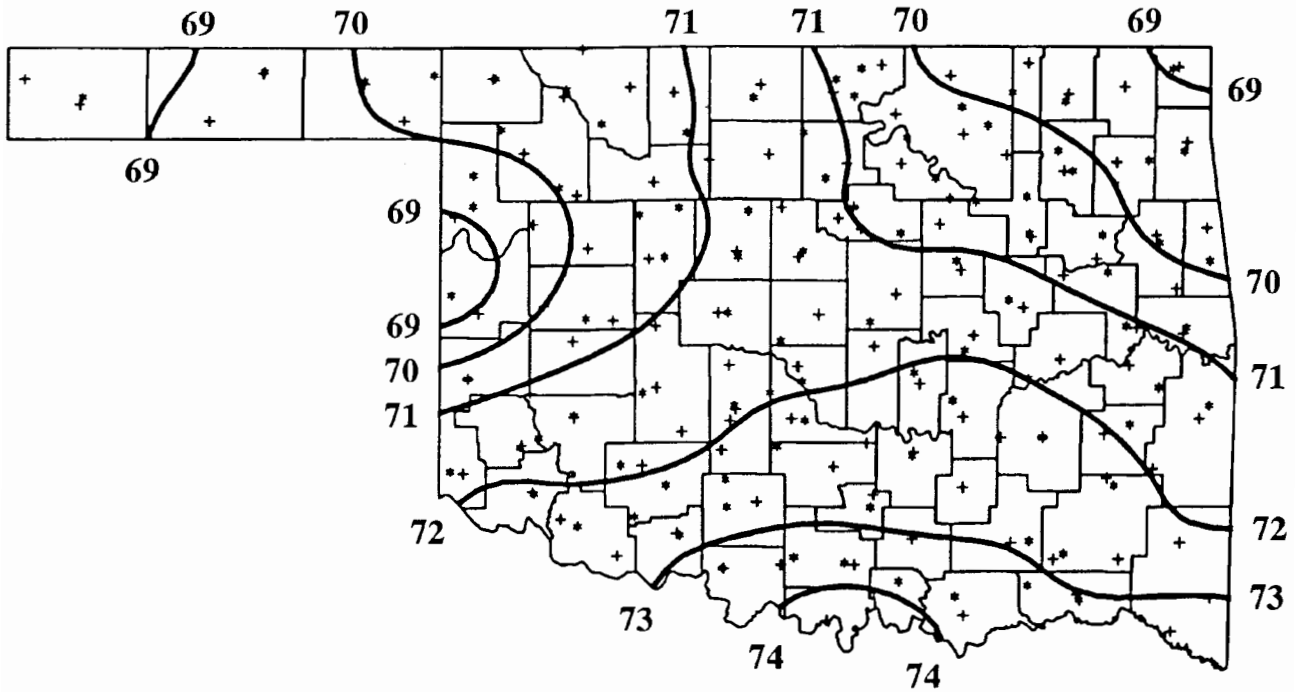
NAME	MEAN		MAX		MIN		TOT		MAX		NAME	MEAN		MAX		MIN		TOT		MAX	
	TEMP	TEMP	DAY	TEMP	DAY	HDD	CDD	PPT	24-HR	DAY		TEMP	TEMP	DAY	TEMP	DAY	HDD	CDD	PPT	24-HR	DAY
NORTHWEST																					
ARNETT	69.8	106	3	36	22	78	221	4.47	.98	18	GOODWELL	69.6	111	5	36	21	77	214	3.86	1.88	20
BEAVER	70.2	109	5	34	22	77	233	2.99	1.07	18	HOOKE	68.7	110	5	33	22	94	206	1.46	.44	18
BOISE CITY	68.8	107	5	34	21	78	194	.86	.32	24	KENTON	67.3	103	5	33	21	89	160	2.24	1.54	18
BUFFALO	71.5	107	2	35	22	70	265	2.31	.54	21	SLAPOUT	70.4	108	5	35	22	78	241	3.58	.77	18
NORTH CENTRAL																					
ALVA	70.8	104	2	35	22	70	243	*****	*****	0	MAY RANCH	71.1	106	2	33	22	74	256	2.64	.63	21
BLACKWELL	71.5	104	3	37	22	68	263	3.04	.86	16	MEDFORD	71.8	105	2	35	22	66	269	1.75	.64	11
BRECKENRIDGE	72.1	106	3	39	22	64	278	4.11	1.37	15	NEWKIRK	68.4	102	3	32	22	90	191	3.81	2.63	7
CHEROKEE	70.6	104	2	35	22	71	238	1.62	.44	11	RED ROCK	70.8	105	3	37	22	79	253	3.02	1.07	15
FAIRVIEW	72.2	106	3	36	22	67	284	2.37	.80	21	SEILING	71.3	109	3	36	22	65	255	3.35	.85	21
FREEDOM	72.1	109	3	34	22	70	283	2.77	.76	18	WOODWARD	71.2	106	3	36	22	72	258	1.66	.70	18
LANOMA	71.2	106	3	38	22	72	257	3.35	.83	11											
NORTHEAST																					
BIXBY	71.8	102	2	36	23	72	275	3.34	.66	15	NOWATA	70.0	102	3	32	23	86	235	3.63	1.45	16
BURBANK	68.7	103	3	34	22	93	205	8.27	4.42	7	PAWNEE	71.4	102	3	37	22	73	265	6.52	3.48	7
CLAREMORE	71.3	104	2	35	23	74	263	5.06	3.10	7	PRYOR	70.8	101	2	34	23	77	253	3.05	1.15	16
COPAN	69.3	102	3	33	22	90	220	1.41	.31	6	SKIATOOK	71.3	102	3	39	22	74	263	4.37	1.22	7
FORAKER	68.2	101	3	32	22	97	194	4.58	1.89	6	TULLAHASSEE	70.2	98	2	36	23	74	231	4.65	.90	30
JAY	67.9	96	2	32	23	102	191	4.21	2.81	16	VINITA	68.8	99	3	33	23	98	211	2.53	1.03	16
MIAMI	67.9	95	2	32	23	101	188	2.64	.70	30	WYNONA	71.3	103	2	36	23	76	266	4.89	1.30	7
WEST CENTRAL																					
BESSIE	71.8	104	3	40	22	63	266	7.83	2.92	15	PUTNAM	70.4	105	3	37	22	69	230	2.82	1.05	21
BUTLER	70.1	103	3	38	22	66	220	5.59	1.43	21	RETROP	72.0	106	5	43	21	57	266	4.46	3.00	15
CAMARGO	69.2	108	3	37	22	80	207	*****	*****	0	WATONGA	71.3	103	3	38	22	68	258	4.21	1.09	21
CHEYENNE	68.6	101	3	36	22	86	194	7.40	2.05	12	WEATHERFORD	70.9	103	3	40	22	70	247	6.83	3.03	15
ERICK	70.8	105	3	41	23	61	234	5.43	1.61	15											
CENTRAL																					
ACME	71.8	101	3	39	23	67	269	5.51	1.17	19	MINCO	72.1	104	3	40	22	68	279	4.94	1.44	15
BOWLEGS	72.7	105	3	37	23	58	289	7.31	2.44	7	NINNEKAH	73.1	104	3	40	23	62	306	5.87	1.53	17
BRISTOW	71.8	104	4	33	23	70	274	4.09	1.06	7	NORMAN	72.8	102	3	39	23	64	297	6.66	1.57	12
CHANDLER	70.2	100	3	38	22	76	232	6.83	2.38	7	OILTON	71.5	104	3	34	23	75	270	4.51	1.19	7
CHICKASHA	71.9	102	3	40	23	66	273	4.94	.89	19	OKEMAH	71.9	104	3	35	23	63	269	5.12	1.25	7
EL RENO	71.1	102	3	37	22	70	253	6.36	1.32	15	PERKINS	71.3	104	3	37	22	72	260	4.49	.92	12
GUTHRIE	72.8	106	3	39	22	60	293	6.48	1.51	15	SHAWNEE	71.5	103	3	39	22	69	265	4.16	.89	7
KINGFISHER	71.1	103	3	40	22	68	250	5.32	1.62	15	SPENCER	70.4	101	3	37	22	75	238	4.84	1.20	12
MARENA	70.7	103	3	37	22	77	248	5.13	1.44	19	STILLWATER	70.0	103	3	37	22	81	231	4.36	1.30	19
MARSHALL	70.7	105	3	38	22	75	244	3.83	1.35	15	WASHINGTON	71.6	102	3	40	23	67	266	4.99	1.09	11
EAST CENTRAL																					
CALVIN	72.4	105	3	37	23	58	279	8.94	2.48	7	SALLISAW	72.8	103	3	37	23	50	283	6.68	1.84	15
COOKSON	70.6	99	2	34	23	66	235	7.77	2.49	28	STIGLER	71.2	102	3	36	23	59	243	7.11	2.65	15
EUFULA	71.6	101	3	38	23	57	256	6.39	1.76	15	STUART	72.3	104	3	38	23	61	281	7.57	1.74	16
HASKELL	71.6	103	3	35	23	66	262	3.93	.84	7	TALHEQUAH	68.3	95	2	33	23	89	187	4.52	1.03	30
MCALESTER	71.9	101	3	38	23	58	265	5.95	1.65	12	WEBBERS FALLS	71.7	100	3	37	23	55	255	6.45	1.98	15
OKMULGEE	71.8	105	3	34	23	63	268	4.81	1.42	16	WESTVILLE	70.0	97	3	35	23	78	228	3.88	.98	15
SOUTHWEST																					
ALTUS	72.1	105	4	45	21	51	265	5.83	1.74	15	HOLLIS	72.7	107	4	42	23	48	278	8.07	2.36	15
APACHE	69.9	100	3	40	23	77	224	5.09	1.00	11	MANGUM	72.5	108	3	41	23	51	277	6.56	1.75	15
FORT COBB	70.1	98	4	40	23	72	225	6.09	2.70	15	MEDICINE PARK	73.3	106	4	43	21	54	302	6.41	1.50	11
GRANDFIELD	72.7	105	4	44	22	50	282	7.14	1.95	15	TIPTON	71.4	102	3	44	21	54	248	5.70	1.67	12
HINTON	70.5	103	3	39	22	70	236	5.52	1.89	15	WALTERS	72.9	107	4	42	23	52	291	4.55	1.19	19
HOBART	71.3	105	3	43	21	62	250	8.74	2.98	15											
SOUTH CENTRAL																					
ADA	73.1	106	3	39	23	56	298	8.07	1.53	16	LANE	72.8	102	1	41	23	48	283	5.57	1.98	12
ARDMORE	75.0	105	3	43	23	43	343	3.60	1.48	19	MADILL	75.2	105	3	43	23	38	344	4.11	1.72	19
BURNEYVILLE	75.7	105	3	43	23	35	356	3.54	1.58	17	PAULS VALLEY	74.2	107	3	40	23	51	328	8.98	2.39	16
BYARS	71.8	102	3	41	23	63	267	6.84	1.98	15	RINGLING	73.4	105	4	43	23	46	297	3.79	1.12	16
CENTRAHOMA	73.3	105	3	38	23	56	305	6.91	2.43	7	SULPHUR	71.2	102	3	39	23	60	244	5.76	2.04	16
DURANT	74.9	104	3	45	23	39	336	6.54	1.78	12	TISHOMINGO	71.8	102	1	40	22	58	263	4.88	1.94	19
KETCHUM RANCH	71.8	101	3	40	23	62	265	6.76	1.47	16	WAURIKA	73.7	106	4	42	23	47	307	4.49	1.48	16
SOUTHEAST																					
ANTLERS	73.5	105	3	38	23	52	306	7.98	3.16	12	IDABEL	74.3	105	1	44	23	25	303	5.23	2.66	19
BROKEN BOW	74.1	105	1	42	23	25	297	4.73	1.70	19	MT HERMAN	70.3	98	1	38	23	58	217	3.71	1.81	12
CLAYTON	73.3	104	3	38	23	51	302	6.91	1.86	12	TALIHINA	71.9	103	3	37	23	55	262	5.77	1.81	12
CLOUDY	72.2	102	3	41	23	50	265	5.93	2.35	12	WILBURTON	72.8	103	3	38	23	58	291	5.28	1.39	16
HUGO	72.5	102	1	42	23	46	271	5.78	2.36	12	WISTER	70.3	100	3	35	23	64	224	4.12	1.07	12



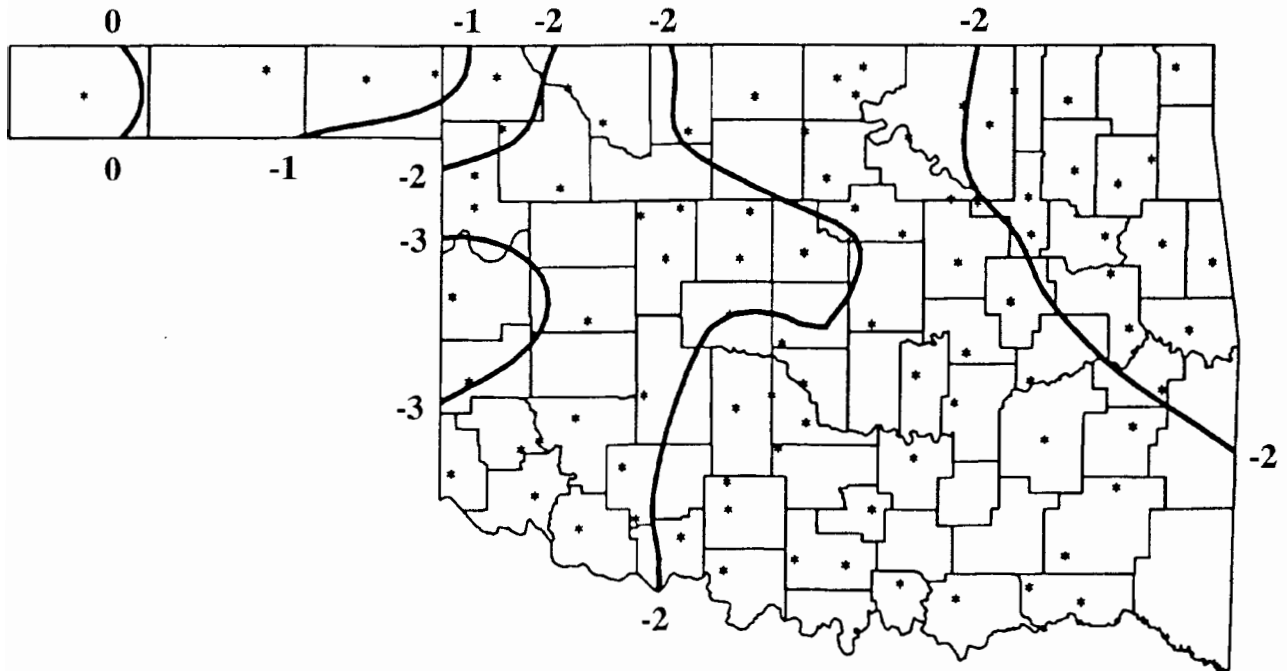
SEPTEMBER 1995 TOTAL PRECIPITATION
(Inches)



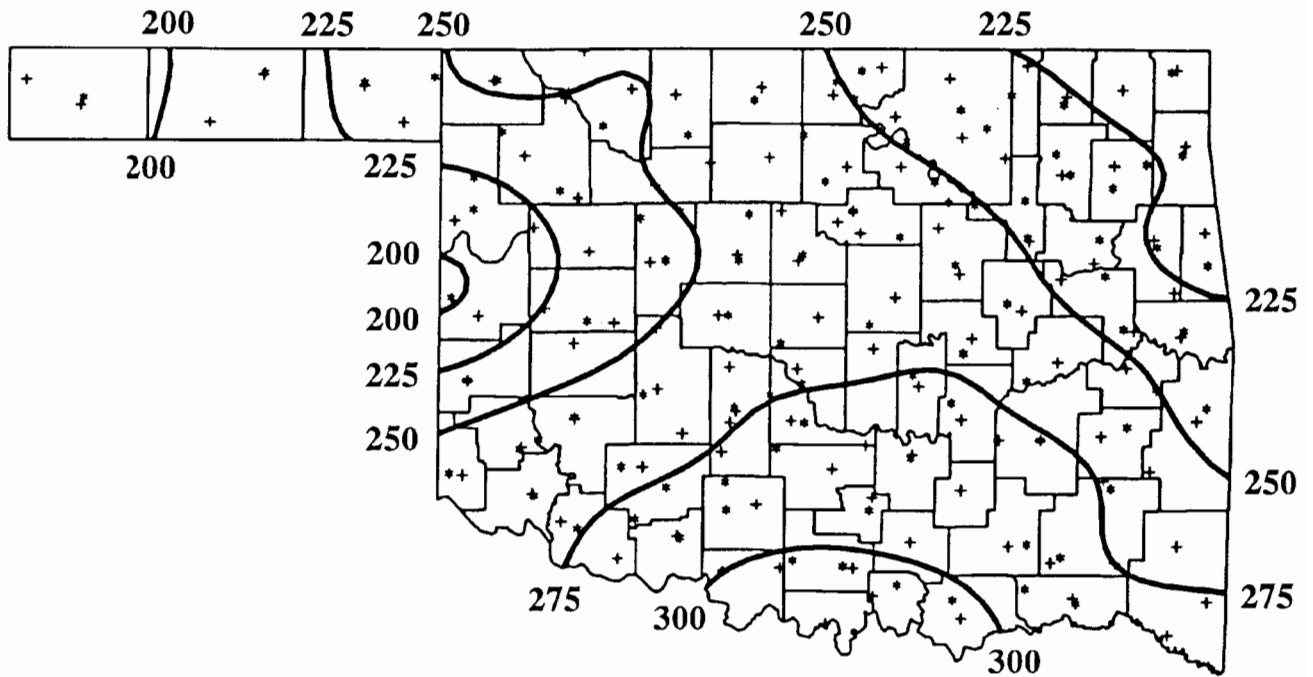
SEPTEMBER 1995 DEVIATION FROM NORMAL PRECIPITATION
(Inches)



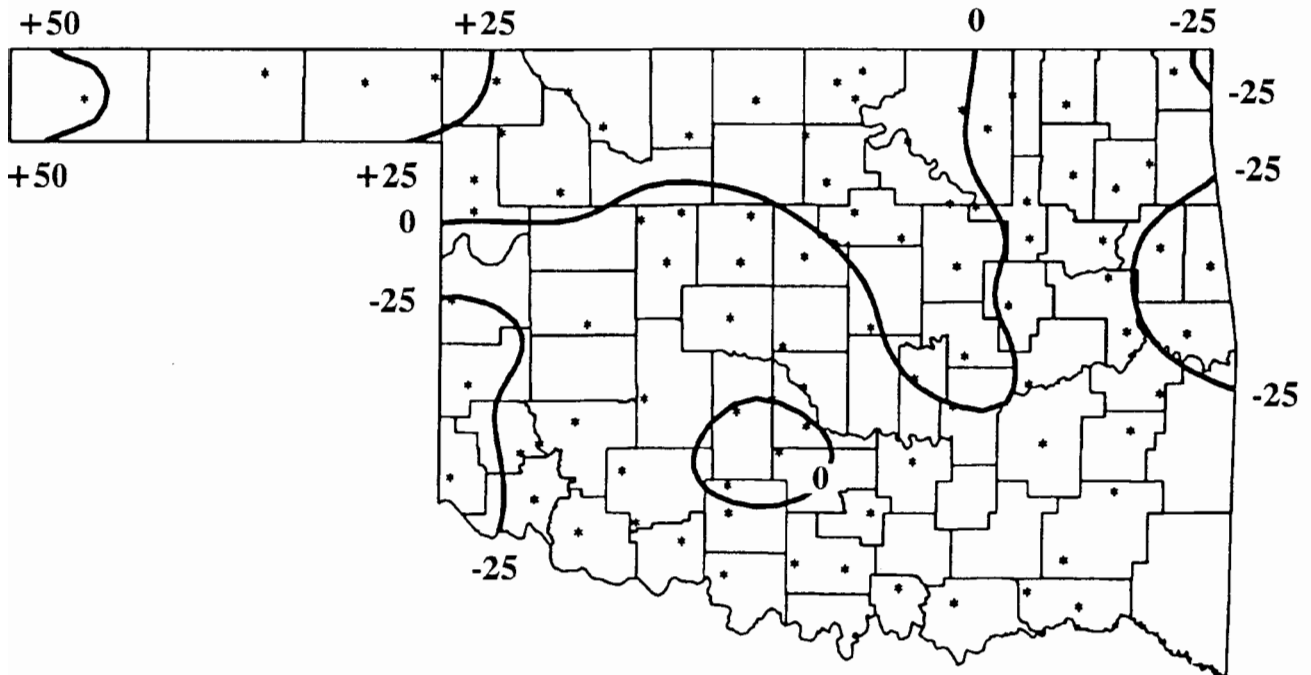
SEPTEMBER 1995 AVERAGE MONTHLY TEMPERATURES
(Degrees F)



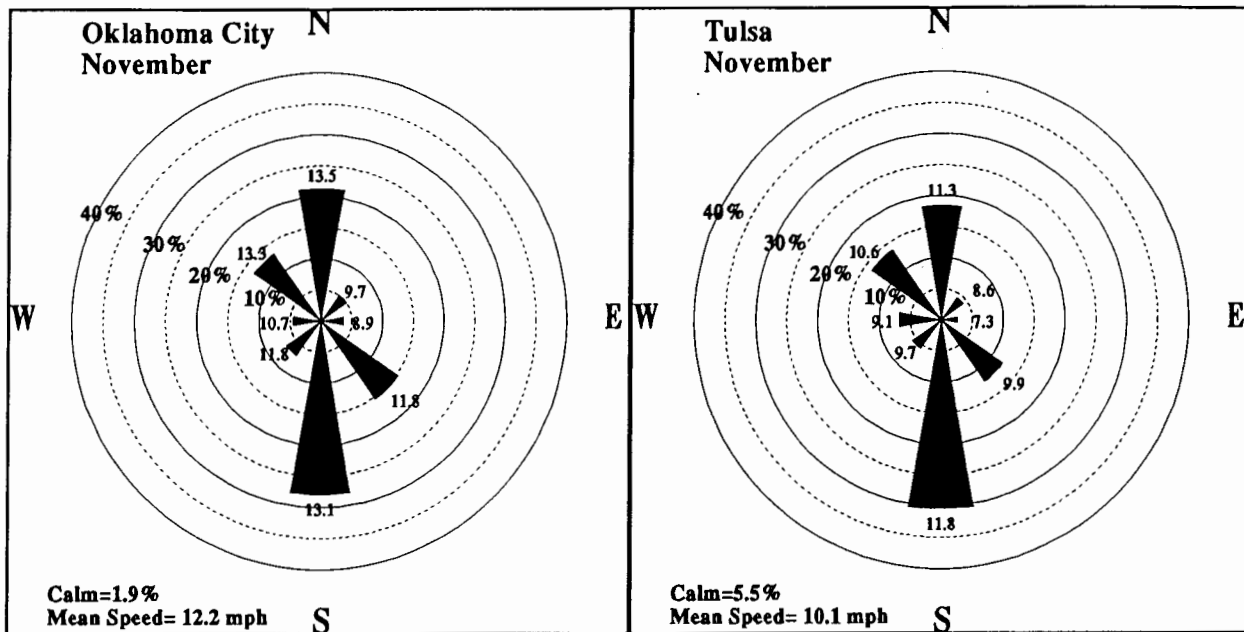
SEPTEMBER 1995 DEVIATION FROM NORMAL TEMPERATURES
(Degrees F)



SEPTEMBER 1995 COOLING DEGREE DAYS



SEPTEMBER 1995 DEVIATION FROM NORMAL COOLING DEGREE DAYS



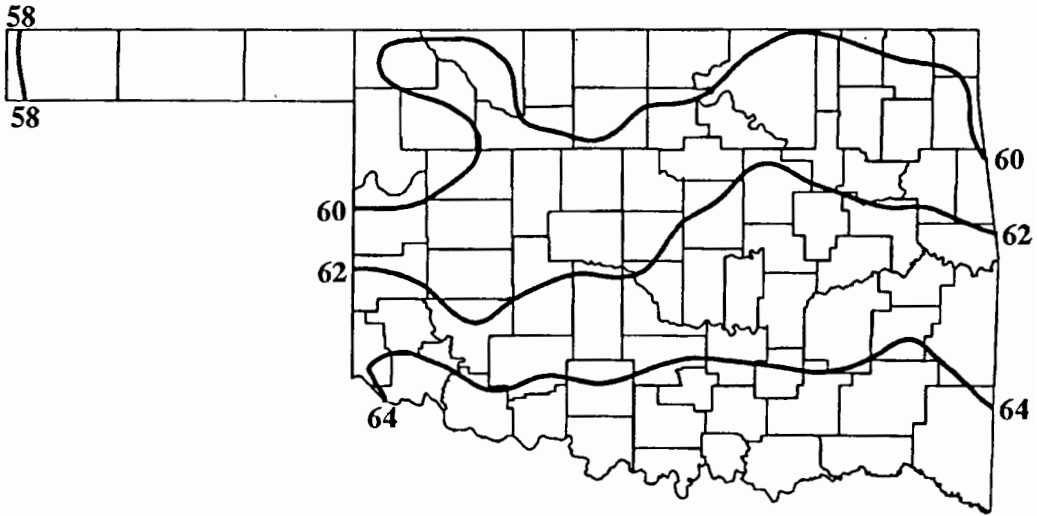
November Wind Roses for Oklahoma City and Tulsa. Percents represent the frequency of winds from each direction. The numbers at the ends of the bars indicate the average wind speed (miles per hour) from that direction.

NOVEMBER 1995 SUNRISE AND SUNSET

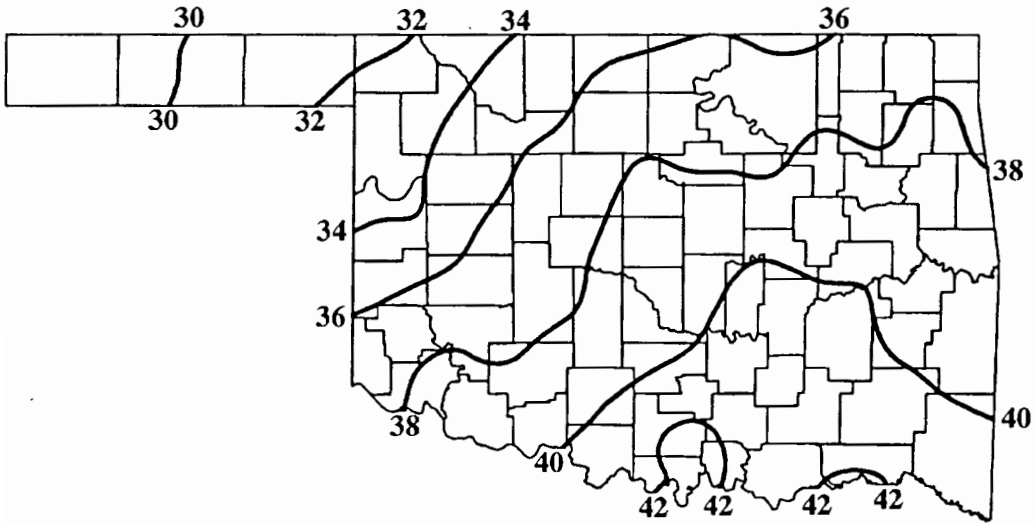
OKLAHOMA CITY

TULSA

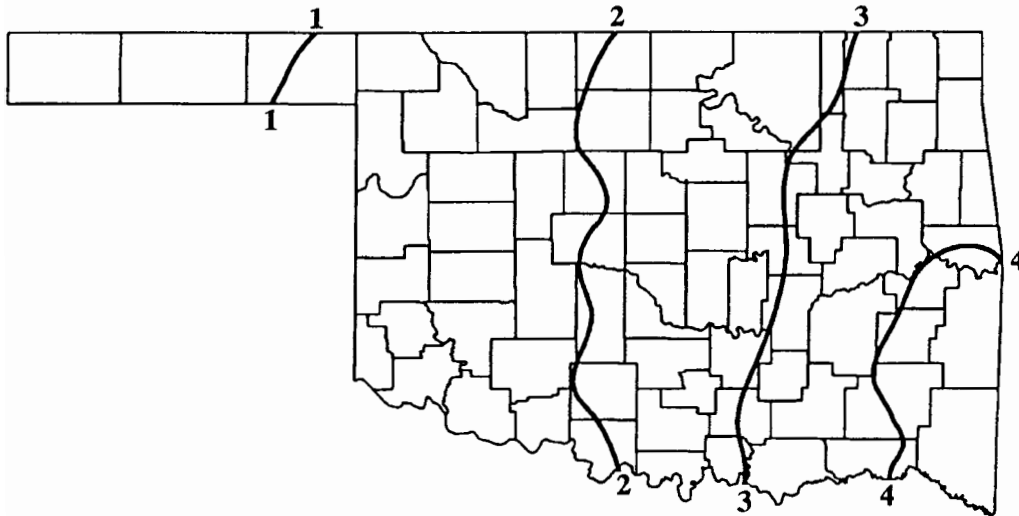
DATE	SUNRISE	SUNSET	DAYLIGHT	DATE	SUNRISE	SUNSET	DAYLIGHT
9511 1	6:51AM	5:38PM CST	10 hrs 47 mins	9511 1	6:45AM	5:30PM CST	10 hrs 45 mins
9511 2	6:52AM	5:37PM CST	10 hrs 45 mins	9511 2	6:46AM	5:29PM CST	10 hrs 43 mins
9511 3	6:52AM	5:36PM CST	10 hrs 43 mins	9511 3	6:47AM	5:28PM CST	10 hrs 41 mins
9511 4	6:53AM	5:35PM CST	10 hrs 41 mins	9511 4	6:48AM	5:27PM CST	10 hrs 39 mins
9511 5	6:54AM	5:34PM CST	10 hrs 39 mins	9511 5	6:49AM	5:26PM CST	10 hrs 37 mins
9511 6	6:55AM	5:33PM CST	10 hrs 38 mins	9511 6	6:50AM	5:25PM CST	10 hrs 35 mins
9511 7	6:56AM	5:32PM CST	10 hrs 36 mins	9511 7	6:51AM	5:24PM CST	10 hrs 33 mins
9511 8	6:57AM	5:31PM CST	10 hrs 34 mins	9511 8	6:52AM	5:23PM CST	10 hrs 31 mins
9511 9	6:58AM	5:31PM CST	10 hrs 32 mins	9511 9	6:53AM	5:23PM CST	10 hrs 30 mins
951110	6:59AM	5:30PM CST	10 hrs 31 mins	951110	6:54AM	5:22PM CST	10 hrs 28 mins
951111	7: 0AM	5:29PM CST	10 hrs 29 mins	951111	6:55AM	5:21PM CST	10 hrs 26 mins
951112	7: 1AM	5:29PM CST	10 hrs 27 mins	951112	6:56AM	5:20PM CST	10 hrs 24 mins
951113	7: 2AM	5:28PM CST	10 hrs 26 mins	951113	6:57AM	5:20PM CST	10 hrs 23 mins
951114	7: 3AM	5:27PM CST	10 hrs 24 mins	951114	6:58AM	5:19PM CST	10 hrs 21 mins
951115	7: 4AM	5:27PM CST	10 hrs 22 mins	951115	6:59AM	5:18PM CST	10 hrs 19 mins
951116	7: 5AM	5:26PM CST	10 hrs 21 mins	951116	7: 0AM	5:18PM CST	10 hrs 18 mins
951117	7: 6AM	5:25PM CST	10 hrs 19 mins	951117	7: 1AM	5:17PM CST	10 hrs 16 mins
951118	7: 7AM	5:25PM CST	10 hrs 18 mins	951118	7: 2AM	5:17PM CST	10 hrs 15 mins
951119	7: 8AM	5:24PM CST	10 hrs 16 mins	951119	7: 3AM	5:16PM CST	10 hrs 13 mins
951120	7: 9AM	5:24PM CST	10 hrs 15 mins	951120	7: 4AM	5:16PM CST	10 hrs 12 mins
951121	7:10AM	5:24PM CST	10 hrs 13 mins	951121	7: 5AM	5:15PM CST	10 hrs 10 mins
951122	7:11AM	5:23PM CST	10 hrs 12 mins	951122	7: 6AM	5:15PM CST	10 hrs 9 mins
951123	7:12AM	5:23PM CST	10 hrs 11 mins	951123	7: 7AM	5:14PM CST	10 hrs 7 mins
951124	7:13AM	5:22PM CST	10 hrs 9 mins	951124	7: 8AM	5:14PM CST	10 hrs 6 mins
951125	7:14AM	5:22PM CST	10 hrs 8 mins	951125	7: 9AM	5:14PM CST	10 hrs 5 mins
951126	7:15AM	5:22PM CST	10 hrs 7 mins	951126	7:10AM	5:13PM CST	10 hrs 3 mins
951127	7:16AM	5:22PM CST	10 hrs 6 mins	951127	7:11AM	5:13PM CST	10 hrs 2 mins
951128	7:17AM	5:21PM CST	10 hrs 5 mins	951128	7:12AM	5:13PM CST	10 hrs 1 mins
951129	7:18AM	5:21PM CST	10 hrs 4 mins	951129	7:13AM	5:12PM CST	10 hrs 0 mins
951130	7:18AM	5:21PM CST	10 hrs 2 mins	951130	7:13AM	5:12PM CST	9 hrs 59 mins



November Normal Daily Maximum Temperatures (°F)



November Normal Daily Minimum Temperatures (°F)



November Normal Monthly Precipitation (inches)

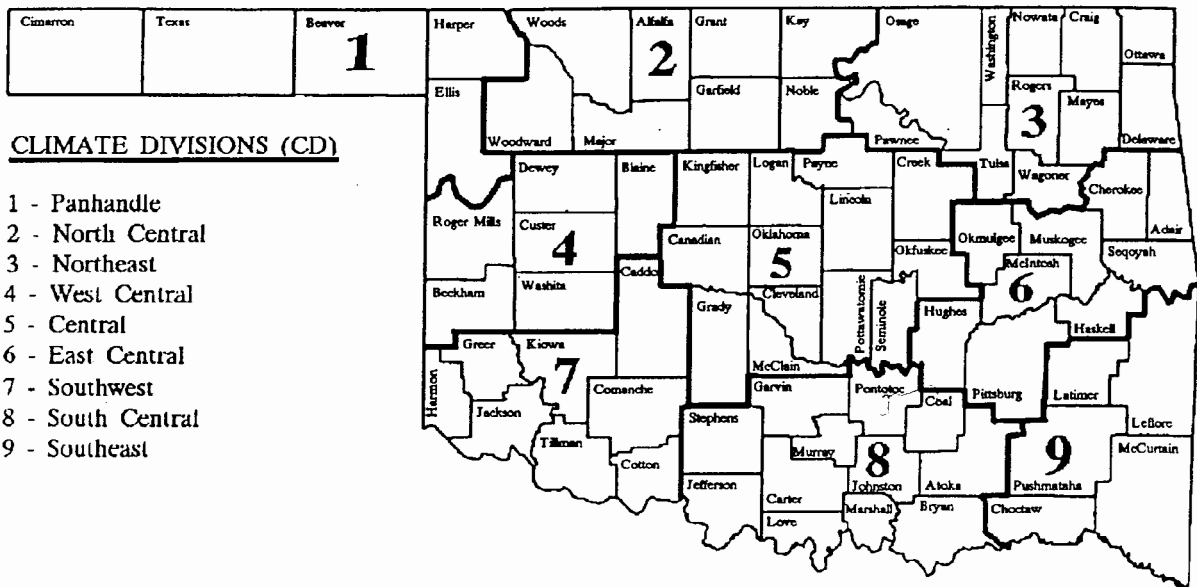
SEASONAL NATIONAL WEATHER SERVICE OUTLOOK

(November 1995 through January 1996)

Precipitation - Above Normal Statewide

Temperature - Near Normal Statewide

OKLAHOMA



CLIMATE DIVISIONS (CD)

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

EXPLANATION OF TABLES

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

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

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

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

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

Deviation from Normal Cooling Degree Days: A positive value indicates higher 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.

OKLAHOMA CITY CLIMATE CALENDAR

November 1995

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
67.4	max		63.4	max		62.1	max		63.2	max		62.0	max		63.4	max		63.4	max	
45.3	min		42.6	min		40.8	min		41.1	min		41.3	min		41.4	min		41.3	min	
.05	ppt		.09	ppt		.10	ppt		.10	ppt		.05	ppt		.04	ppt		.02	ppt	
9	hdd		12	hdd		14	hdd		13	hdd		13	hdd		13	hdd		13	hdd	
0	ddd		0	ddd		0	ddd		0	ddd		0	ddd		0	ddd		0	ddd	
	Highest Max	89-1976		Highest Max	89-1924		Highest Max	84-1909		Highest Max	89-1921		Highest Max	87-1891		Highest Max	85-1980		Highest Max	86-1980
	Lowest Max	34-1951		Lowest Max	28-1991		Lowest Max	36-1991		Lowest Max	40-1990		Lowest Max	34-1951		Lowest Max	39-1959		Lowest Max	41-1953
	Lowest Min	25-1991		Lowest Min	19-1991		Lowest Min	11-1991		Lowest Min	23-1936		Lowest Min	23-1951		Lowest Min	20-1959		Lowest Min	23-1993
	Highest Min	65-1926		Highest Min	66-1938		Highest Min	63-1994		Highest Min	58-1916		Highest Min	64-1924		Highest Min	63-1945		Highest Min	62-1916
	Greatest ppt	1.05-1981		Greatest ppt	1.51-1974		Greatest ppt	1.51-1964		Greatest ppt	2.17-1986		Greatest ppt	1.23-1994		Greatest ppt	2.14-1895		Greatest ppt	1.71-1920
Normal	8	Actual	Normal	9	Actual	Normal	10	Actual	Normal	11	Actual	Normal	12	Actual	Normal	13	Actual	Normal	14	Actual
63.7	max		62.7	max		62.7	max		63.7	max		63.9	max		64.4	max		62.1	max	
41.4	min		38.6	min		38.6	min		39.4	min		39.7	min		40.3	min		41.3	min	
.08	ppt		.02	ppt		.02	ppt		.03	ppt		.06	ppt		.06	ppt		.05	ppt	
13	hdd		14	hdd		15	hdd		14	hdd		13	hdd		13	hdd		14	hdd	
0	ddd		0	ddd		0	ddd		0	ddd		0	ddd		0	ddd		0	ddd	
	Highest Max	87-1980		Highest Max	82-1988		Highest Max	81-1980		Highest Max	89-1911		Highest Max	79-1910		Highest Max	80-1967		Highest Max	79-1973
	Lowest Max	39-1936		Lowest Max	37-1950		Lowest Max	33-1950		Lowest Max	33-1935		Lowest Max	29-1940		Lowest Max	28-1986		Lowest Max	29-1940
	Lowest Min	19-1991		Lowest Min	25-1955		Lowest Min	20-1950		Lowest Min	17-1911		Lowest Min	14-1911		Lowest Min	12-1940		Lowest Min	14-1916
	Highest Min	66-1966		Highest Min	61-1959		Highest Min	60-1982		Highest Min	61-1922		Highest Min	62-1902		Highest Min	61-1989		Highest Min	66-1997
	Greatest ppt	1.42-1895		Greatest ppt	1.15-1977		Greatest ppt	1.17-1937		Greatest ppt	1.10-1988		Greatest ppt	1.18-1922		Greatest ppt	3.22-1909		Greatest ppt	1.56-1924
Normal	15	Actual	Normal	16	Actual	Normal	17	Actual	Normal	18	Actual	Normal	19	Actual	Normal	20	Actual	Normal	21	Actual
61.8	max		58.5	max		59.0	max		58.4	max		59.7	max		59.0	max		58.8	max	
40.2	min		38.9	min		36.6	min		38.1	min		37.1	min		35.5	min		35.7	min	
.14	ppt		.03	ppt		.08	ppt		.06	ppt		.11	ppt		.05	ppt		.02	ppt	
1	hdd		17	hdd		17	hdd		17	hdd		17	hdd		18	hdd		18	hdd	
0	ddd		0	ddd		0	ddd		0	ddd		0	ddd		0	ddd		0	ddd	
	Highest Max	84-1903		Highest Max	82-1941		Highest Max	80-1896		Highest Max	80-1930		Highest Max	82-1898		Highest Max	78-1889		Highest Max	80-1927
	Lowest Max	32-1932		Lowest Max	31-1937		Lowest Max	30-1903		Lowest Max	35-1903		Lowest Max	31-1957		Lowest Max	25-1906		Lowest Max	29-1926
	Lowest Min	15-1940		Lowest Min	14-1932		Lowest Min	9-1894		Lowest Min	13-1903		Lowest Min	18-1937		Lowest Min	19-1937		Lowest Min	14-1898
	Highest Min	61-1971		Highest Min	64-1958		Highest Min	61-1896		Highest Min	64-1934		Highest Min	69-1913		Highest Min	60-1990		Highest Min	69-1902
	Greatest ppt	2.43-1890		Greatest ppt	3.94-1931		Greatest ppt	1.70-1984		Greatest ppt	2.14-1899		Greatest ppt	4.46-1899		Greatest ppt	2.17-1994		Greatest ppt	1.48-1916
Normal	22	Actual	Normal	23	Actual	Normal	24	Actual	Normal	25	Actual	Normal	26	Actual	Normal	27	Actual	Normal	28	Actual
59.1	max		57.6	max		56.2	max		60.5	max		57.9	max		51.6	max		49.5	max	
35.8	min		34.6	min		35.1	min		37.7	min		36.0	min		32.0	min		29.9	min	
.04	ppt		.03	ppt		.08	ppt		.07	ppt		.13	ppt		.06	ppt		.01	ppt	
18	hdd		19	hdd		19	hdd		16	hdd		18	hdd		23	hdd		25	hdd	
0	ddd		0	ddd		0	ddd		0	ddd		0	ddd		0	ddd		0	ddd	
	Highest Max	78-1982		Highest Max	79-1973		Highest Max	84-1965		Highest Max	84-1965		Highest Max	81-1910		Highest Max	82-1905		Highest Max	81-1949
	Lowest Max	27-1898		Lowest Max	29-1895		Lowest Max	32-1918		Lowest Max	28-1993		Lowest Max	31-1992		Lowest Max	26-1996		Lowest Max	26-1911
	Lowest Min	15-1898		Lowest Min	19-1950		Lowest Min	15-1950		Lowest Min	15-1993		Lowest Min	13-1993		Lowest Min	16-1976		Lowest Min	14-1896
	Highest Min	60-1966		Highest Min	60-1966		Highest Min	60-1966		Highest Min	62-1966		Highest Min	62-1980		Highest Min	63-1927		Highest Min	59-1927
	Greatest ppt	1.54-1931		Greatest ppt	1.82-1931		Greatest ppt	1.14-1973		Greatest ppt	2.01-1940		Greatest ppt	1.80-1982		Greatest ppt	1.30-1908		Greatest ppt	1.44-1908
Normal	29	Actual	Normal	30	Actual	Normal	30	Actual	Normal	30	Actual	Normal	30	Actual	Normal	30	Actual	Normal	30	Actual
53.0	max		54.5	max		53.0	max		53.0	max		53.0	max		53.0	max		53.0	max	
30.0	min		31.9	min		30.0	min		31.9	min		30.0	min		30.0	min		30.0	min	
.01	ppt		.02	ppt		.01	ppt		.02	ppt		.01	ppt		.01	ppt		.01	ppt	
24	hdd		22	hdd		24	hdd		22	hdd		24	hdd		24	hdd		24	hdd	
0	ddd		0	ddd		0	ddd		0	ddd		0	ddd		0	ddd		0	ddd	
	Highest Max	80-1927		Highest Max	74-1946		Highest Max	74-1946		Highest Max	74-1946		Highest Max	81-1910		Highest Max	82-1905		Highest Max	81-1949
	Lowest Max	28-1997		Lowest Max	32-1896		Lowest Max	32-1896		Lowest Max	28-1993		Lowest Max	31-1992		Lowest Max	26-1996		Lowest Max	26-1911
	Lowest Min	11-1911		Lowest Min	13-1976		Lowest Min	13-1976		Lowest Min	15-1993		Lowest Min	13-1993		Lowest Min	16-1976		Lowest Min	14-1896
	Highest Min	64-1933		Highest Min	60-1933		Highest Min	60-1933		Highest Min	62-1966		Highest Min	62-1980		Highest Min	63-1927		Highest Min	59-1927
	Greatest ppt	.61-1930		Greatest ppt	.72-1909		Greatest ppt	.72-1909		Greatest ppt	2.01-1940		Greatest ppt	1.80-1982		Greatest ppt	1.30-1908		Greatest ppt	1.44-1908

NOVEMBER AVERAGES

TEMPERATURE : 49.0°F

PRECIPITATION : 1.68"

HEATING DEGREE DAYS : 485

COOLING DEGREE DAYS : 1

TULSA CLIMATE CALENDAR

November 1995

The data on this calendar are for Tulsa. Normal values are calculated for the period 1948-1992; Temperature extremes are for the period 1905-1994; Precipitation extremes are for the period 1948-1994.

Normal 1		Normal 2		Normal 3		Normal 4		Normal 5		Normal 6		Normal 7	
69.0 max	Actual	65.0 max	Actual	63.0 max	Actual	64.0 max	Actual	62.0 max	Actual	62.0 max	Actual	63.0 max	Actual
46.0 min		44.0 min		41.0 min		42.0 min		41.0 min		41.0 min		41.0 min	
.09 ppt		.17 ppt		.17 ppt		.08 ppt		.02 ppt		.06 ppt		.03 ppt	
8 hdd		11 hdd		13 hdd		12 hdd		13 hdd		14 hdd		13 hdd	
1 cdd		0 cdd		1 cdd		0 cdd		0 cdd		0 cdd		0 cdd	
Highest Max 85-1916		Highest Max 89-1909		Highest Max 88-1909		Highest Max 86-1914		Highest Max 87-1914		Highest Max 87-1945		Highest Max 85-1980	
Lowest Max 37-1951		Lowest Max 27-1991		Lowest Max 35-1991		Lowest Max 31-1951		Lowest Max 34-1951		Lowest Max 39-1959		Lowest Max 41-1991	
Lowest Min 25-1991		Lowest Min 20-1966		Lowest Min 16-1991		Lowest Min 21-1991		Lowest Min 25-1976		Lowest Min 20-1959		Lowest Min 22-1991	
Highest Min 64-1987		Highest Min 65-1983		Highest Min 67-1983		Highest Min 60-1987		Highest Min 60-1965		Highest Min 60-1965		Highest Min 60-1965	
Greatest ppt 1.27-1984		Greatest ppt 2.82-1974		Greatest ppt 3.20-1974		Greatest ppt 2.49-1994		Greatest ppt 1.99-1994		Greatest ppt .90-1964		Greatest ppt .63-1957	
Normal 8	Actual	Normal 9	Actual	Normal 10	Actual	Normal 11	Actual	Normal 12	Actual	Normal 13	Actual	Normal 14	Actual
64.0 max	Actual	63.0 max	Actual	63.0 max	Actual	62.0 max	Actual	63.0 max	Actual	65.0 max	Actual	62.0 max	Actual
43.0 min		40.0 min		39.0 min		39.0 min		40.0 min		39.0 min		41.0 min	
.09 ppt		.04 ppt		.06 ppt		.03 ppt		.09 ppt		.07 ppt		.06 ppt	
12 hdd		13 hdd		14 hdd		14 hdd		13 hdd		13 hdd		14 hdd	
0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd	
Highest Max 84-1980		Highest Max 82-1934		Highest Max 83-1949		Highest Max 85-1989		Highest Max 80-1989		Highest Max 84-1910		Highest Max 79-1989	
Lowest Max 41-1991		Lowest Max 42-1950		Lowest Max 37-1950		Lowest Max 31-1986		Lowest Max 34-1986		Lowest Max 30-1986		Lowest Max 33-1959	
Lowest Min 16-1991		Lowest Min 23-1955		Lowest Min 21-1950		Lowest Min 17-1950		Lowest Min 15-1911		Lowest Min 12-1940		Lowest Min 13-1916	
Highest Min 67-1966		Highest Min 58-1984		Highest Min 62-1949		Highest Min 60-1949		Highest Min 62-1951		Highest Min 62-1989		Highest Min 62-1968	
Greatest ppt 1.45-1977		Greatest ppt .55-1974		Greatest ppt .63-1986		Greatest ppt 1.57-1992		Greatest ppt 2.64-1972		Greatest ppt 1.80-1985		Greatest ppt 1.08-1978	
Normal 15	Actual	Normal 16	Actual	Normal 17	Actual	Normal 18	Actual	Normal 19	Actual	Normal 20	Actual	Normal 21	Actual
63.0 max	Actual	61.0 max	Actual	60.0 max	Actual	58.0 max	Actual	60.0 max	Actual	58.0 max	Actual	58.0 max	Actual
42.0 min		40.0 min		39.0 min		39.0 min		38.0 min		36.0 min		35.0 min	
.25 ppt		.06 ppt		.14 ppt		.09 ppt		.17 ppt		.20 ppt		.03 ppt	
13 hdd		15 hdd		16 hdd		16 hdd		16 hdd		18 hdd		18 hdd	
0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd	
Highest Max 82-1950		Highest Max 83-1969		Highest Max 80-1969		Highest Max 82-1990		Highest Max 81-1908		Highest Max 81-1989		Highest Max 79-1927	
Lowest Max 38-1976		Lowest Max 37-1955		Lowest Max 32-1959		Lowest Max 37-1972		Lowest Max 35-1972		Lowest Max 38-1972		Lowest Max 34-1964	
Lowest Min 11-1940		Lowest Min 14-1932		Lowest Min 11-1959		Lowest Min 19-1951		Lowest Min 14-1937		Lowest Min 16-1937		Lowest Min 18-1964	
Highest Min 63-1964		Highest Min 65-1958		Highest Min 55-1975		Highest Min 60-1985		Highest Min 61-1979		Highest Min 62-1979		Highest Min 53-1966	
Greatest ppt 2.50-1964		Greatest ppt 1.49-1978		Greatest ppt 1.24-1952		Greatest ppt 1.26-1964		Greatest ppt 1.65-1963		Greatest ppt 4.59-1979		Greatest ppt .70-1961	
Normal 22	Actual	Normal 23	Actual	Normal 24	Actual	Normal 25	Actual	Normal 26	Actual	Normal 27	Actual	Normal 28	Actual
59.0 max	Actual	58.0 max	Actual	56.0 max	Actual	60.0 max	Actual	57.0 max	Actual	52.0 max	Actual	50.0 max	Actual
37.0 min		35.0 min		35.0 min		37.0 min		36.0 min		33.0 min		31.0 min	
.07 ppt		.02 ppt		.16 ppt		.07 ppt		.11 ppt		.08 ppt		.03 ppt	
17 hdd		18 hdd		20 hdd		16 hdd		18 hdd		23 hdd		25 hdd	
0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd		0 cdd	
Highest Max 79-1966		Highest Max 78-1974		Highest Max 80-1965		Highest Max 84-1965		Highest Max 83-1965		Highest Max 77-1927		Highest Max 81-1949	
Lowest Max 38-1971		Lowest Max 33-1970		Lowest Max 35-1950		Lowest Max 31-1993		Lowest Max 30-1975		Lowest Max 35-1985		Lowest Max 28-1976	
Lowest Min 16-1929		Lowest Min 17-1970		Lowest Min 14-1950		Lowest Min 17-1950		Lowest Min 14-1993		Lowest Min 16-1938		Lowest Min 13-1976	
Highest Min 62-1966		Highest Min 63-1966		Highest Min 61-1966		Highest Min 61-1966		Highest Min 65-1990		Highest Min 56-1960		Highest Min 60-1991	
Greatest ppt .90-1982		Greatest ppt .35-1952		Greatest ppt 2.54-1973		Greatest ppt 1.03-1986		Greatest ppt 1.56-1982		Greatest ppt 1.13-1982		Greatest ppt .53-1988	
Normal 29	Actual	Normal 30	Actual	NOVEMBER AVERAGES									
53.0 max	Actual	54.0 max	Actual	TEMPERATURE : 49.3 °F									
30.0 min		31.0 min		PRECIPITATION : 2.62"									
.05 ppt		.03 ppt		HEATING DEGREE DAYS : 472									
23 hdd		23 hdd		COOLING DEGREE DAYS : 2									
0 cdd		0 cdd											
Highest Max 82-1927		Highest Max 76-1933											
Lowest Max 36-1979		Lowest Max 33-1974											
Lowest Min 10-1976		Lowest Min 13-1964											
Highest Min 54-1975		Highest Min 55-1970											
Greatest ppt 1.08-1975		Greatest ppt .73-1981											

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