

OKLAHOMA MONTHLY SUMMARY SEPTEMBER 1996

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MONTHLY SUMMARY FOR SEPTEMBER 1996

September 1996 was marked by greater than normal precipitation and lower than normal temperatures in Oklahoma. The monthly total precipitation, averaged statewide, of 6.02 inches, 2.08 inches greater than normal, ranks as the 10th greatest September total since record keeping began in 1892. The average temperature for the month, 69.5 degrees, was 3.5 degrees lower than normal, the 6th coolest September on record. Year-to-date statistics indicate that, despite the drought of last winter and spring, statewide precipitation for 1996 is now greater than normal. The statewide precipitation through September is 28.87 inches; 1.78 inches greater than normal and the 35th greatest since 1892. Temperatures over same period averaged 62.9 degrees, 0.6 degree less than normal, making 1996, so far, the 31st coolest year all-time.

Precipitation was reported somewhere in the state every day during September. Particularly widespread heavy rainfall occurred with two systems: the remnants of the Pacific tropical storm Fausto in mid-month and rainfall associated with a cold frontal system that produced localized flash flooding that took five lives from the 25th through the 27th.

Relatively minor flooding was reported in southwestern Oklahoma on the morning of the 4th, temporarily closing highways in Cotton, Greer and Jackson counties. Meanwhile, across the state in northeastern Oklahoma, Scrapper (Cherokee County) reported 5.01 inches of rain.

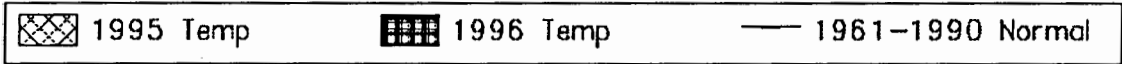
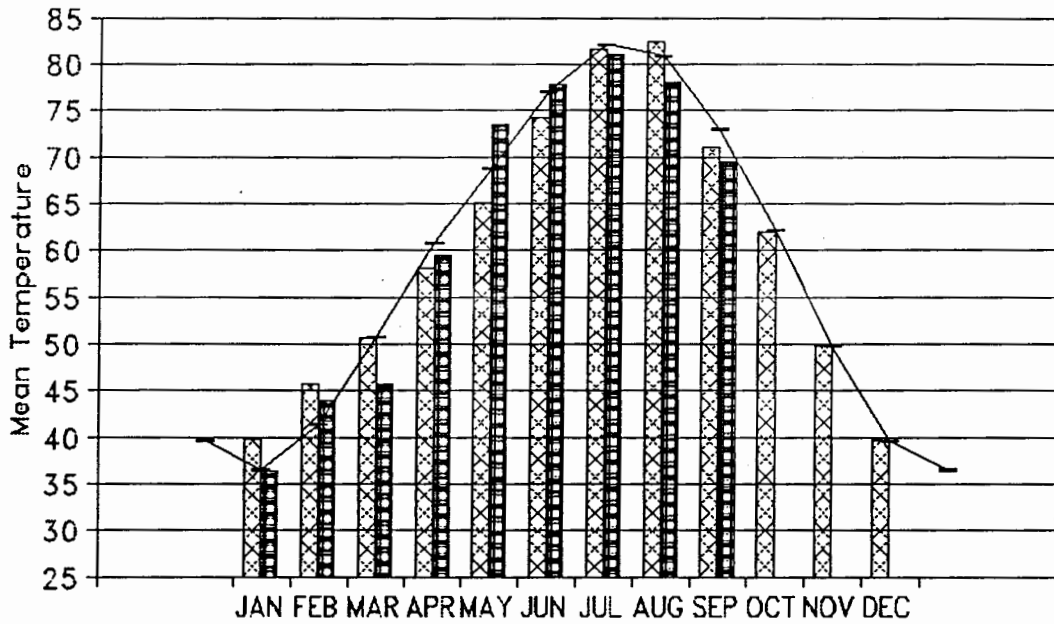
Rainfall associated with Fausto was most notable in west central Oklahoma. Clinton (Custer) reported 6.55 inches and Elk City (Beckham) reported 5.38 inches of precipitation on the 14th and 15th. Isolated flooding was reported near Yukon (Canadian).

Strong thunderstorms on the 18th and 20th produced scattered instances of severe weather. On the 18th, thunderstorms in Texas County produced a tornado near Baker, golf ball-sized hail and 80 mile-per-hour winds north of Guymon, and high water forcing the closure of Highway 64 between Hooker and Turpin. Large hail and strong winds on the 20th buffeted many areas in southeastern Oklahoma. Golf ball-sized hail and 60 mile-per-hour winds were reported at Madill (Marshall), large hail and damaging winds struck Bokchito (Bryan) and heavy rains and golf ball-sized hail fell near Haworth and Harris (both McCurtain).

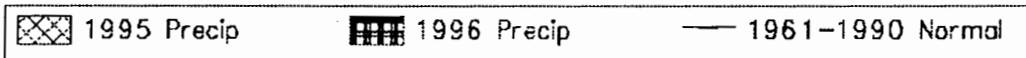
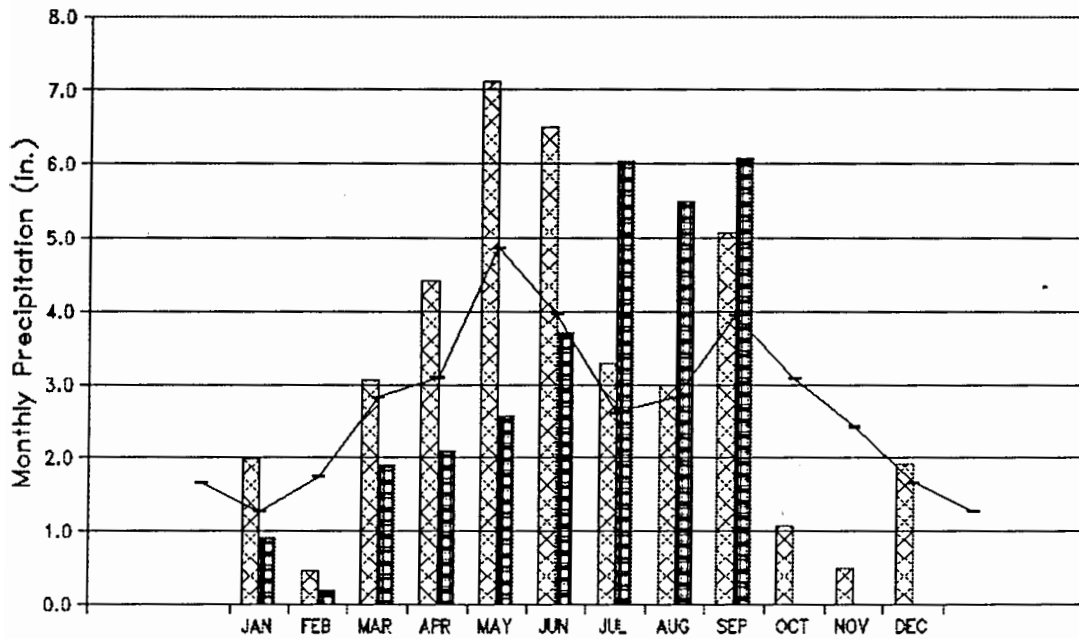
The heaviest rain and most destructive weather of the month occurred from the 25th through the morning of the 27th accompanying a vigorous cold front. Local flooding was reported in Woods, Woodward, Garfield and Kay counties on the 25th. Tornadoes were reported near Manchester and Nardin in Grant County and north of Tonkawa in Kay County. Severe flash flooding struck northeastern Oklahoma on the 25th and 26th. One person drowned in Pryor (Mayes) and a mother and three children died near Tahlequah (Cherokee) when their car was swept off a private road. Local flooding was also reported in Adair County where Westville received over 9 inches of rain. Stilwell (Adair) and Tahlequah each reported over 8 inches of rain and Newkirk (Kay) reported 7.52 inches of precipitation during the period.

Howard L. Johnson

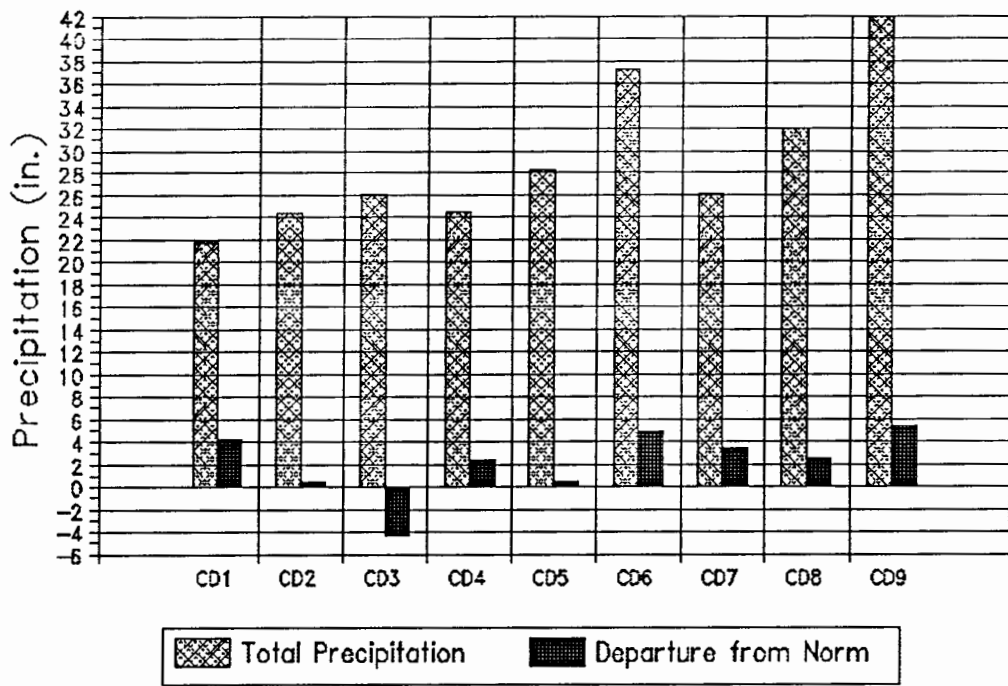
1995 and 1996 STATEWIDE TEMPERATURES Monthly Averages



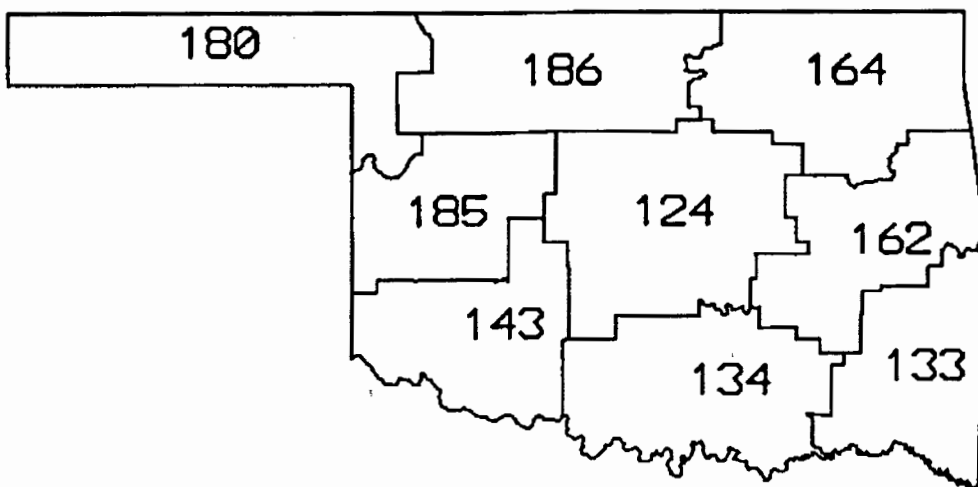
1995 and 1996 STATEWIDE PRECIPITATION Monthly Totals



CD Averaged Precipitation January through September 1996



CD PERCENT OF NORMAL PRECIPITATION



SEPTEMBER 1996

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

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	94	10	BUFFALO	33	27	BOISE CITY	2.02	15	GUYMON	5.71	GUYMON
	94	11	BUFFALO	33	27	KENTON					
2	98	10	JEFFERSON	37	28	FREEDOM	7.37	26	NEWKIRK	10.23	NEWKIRK
	98	11	JEFFERSON	37	28	WAYNOKA					
3	97	12	NOWATA	37	30	HULAH	5.85	26	PRYOR	11.80	CHELSEA
4	96	10	WATONGA	38	28	ERICK	5.87	15	CLINTON	11.00	CLINTON
				38	28	HAMMON					
5	97	12	STILLWATER	38	28	CHICKASHA	2.71	26	BRISTOW	6.97	STROUD
6	93	12	OKMULGEE	39	28	MCCURTAIN	6.45	27	STILWELL	11.74	MUSKOGEE
7	96	11	MANGUM	38	20	WICHITA MT	3.03	4	MANGUM	9.06	DUNCAN 11
8	93	11	PAULS VALLEY	38	28	MARLOW	2.50	27	BOKCHITO	9.00	TUSSY
	93	10	TISHOMINGO				2.50	27	CENTRAHOMA		
							2.50	15	TISHOMINGO		
9	96	1 2	BROKEN BOW BROKEN BOW	37	28	BATTIEST	4.05	17	BOSWELL	8.77	BOSWELL
				37	29	BATTIEST					
				37	28	SMITHVILLE					
				37	29	SMITHVILLE					

TABLE OF 1995/1996 COMPARISONS

Station	SEPTEMBER Temperature (°F)		SEPTEMBER Precipitation (in.)	
	1995	1996	1995	1996
Arnett	67.2	65.8	4.52	4.62
Mutual	69.2	67.5	2.70	4.49
Tulsa	70.5	70.0	4.94	5.07
Elk City	71.3	70.3	5.63	9.33
Oklahoma City	70.9	69.4	6.05	5.88
McAlester	72.2	70.8	5.44	2.36
Altus Irr Station	73.0	72.3	6.23	4.67
Ardmore	74.1	73.6	4.01	6.68
Idabel	72.1	69.5	6.29	6.03

EXTREMES

VARIABLE	STATION	DIVISION	OBSERVATION	DATE
Minimum temperature (°F)	Boise City	1	33	27
	Kenton	1	33	27
Maximum temperature (°F)	Jefferson	2	98	10
	Jefferson	2	98	11
Maximum 24-hour precipitation	Newkirk	2	7.37"	26

SEPTEMBER 1996 SUMMARY FOR PANHANDLE DIVISION (CD1)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MAX TEMP	MIN TEMP	DAY	HEAT		DEV		COOL		TOT PPT	NUM OBS	DEV	
					FROM NORM	MAX				DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM			MAX	
ARNETT	332	1	65.8	30	-4.2	89	11	38	28	70.5	45.5	95	-80	4.62	30	2.09	1.8	18	
BEAVER	593	1	67.7	30	-2	92	11	35	28	26.5	-4.5	108	-64	4.172	30	2.35	1.61	17	
BOISE CITY	908	1	65.4	30	-2.4	87	10	33	27	74	42	87	-29	1.925	30	0.1	1.02	15	
BUFFALO	1243	1	70	30	-2.9	94	11	42	28	25.5	12.5	175	-75	3.55	30	0.47	1.75	15	
FARGO	3070	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.49	30	1.22	1.2	16	
GAGE	3407	1	67.6	28	*****	92	10	37	28	48	*****	120.5	*****	2.053	29	*****	1.39	18	
GATE	3489	1	67.7	30	-3.5	92	11	42	27	47	30	126.5	-76.5	3.863	30	1.77	1.05	19	
GUYMON	3835	1	66.4	30	*****	89	22	40	28	69	*****	112	*****	5.712	30	*****	2.02	15	
HOOKER	4298	1	65.9	30	-3.6	91	10	40	28	78	44	105	-64	3.522	30	1.47	1.34	7	
KENTON	4766	1	65.2	30	-1.5	91	2	33	27	81.5	32.5	86	-14	3.781	30	1.93	0.95	18	
LAVERNE	5045	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.72	30	1.7	0.99	16	
RANGE	7412	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.587	30	*****	1.07	18	
REGNIER	7534	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.64	30	1.94	1.01	15	
TURPIN	9017	1	64.7	27	*****	90	11	37	28	83.5	*****	74.5	*****	2.522	29	*****	0.85	19	

SEPTEMBER 1996 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MAX TEMP	MIN TEMP	DAY	HEAT		DEV		COOL		TOT PPT	NUM OBS	DEV	
					FROM NORM	MAX				DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM			MAX	
ALVA	193	2	70.1	30	*****	96	10	43	29	22	*****	175	*****	5.76	30	*****	1.55	26	
VANCE AFB	302	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.781	29	*****	2.86	15	
BILLINGS	755	2	68.2	30	-4.2	95	12	42	29	50	30	146	-96	8.243	30	3.7	3	22	
BLACKWELL 2E	818	2	71.3	30	-1.5	97	11	46	28	18	1	207	-44	7.941	30	3.86	5.48	26	
BRAMAN	1075	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.64	30	*****	6.02	26	
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.301	30	*****	2.18	15	
CHEROKEE	1724	2	71.7	26	*****	96	10	45	28	11	*****	186	*****	5.7	28	*****	1.85	15	
ENID	2912	2	71.7	30	-1.7	96	11	45	28	20.5	7.5	221	-44	5.9	30	2.42	1.65	15	
FT SUPPLY	3304	2	67.1	30	-3.3	92	11	39	28	57.5	35.5	120.5	-63.5	5.28	30	2.97	1.32	16	
FREEDOM	3358	2	67.6	30	-5.1	95	11	37	28	45.5	31.5	122.5	-122.5	6.69	30	4.1	2.77	16	
GREAT SALT P	3740	2	69.9	20	*****	95	12	46	27	18.5	*****	116.5	*****	5.561	22	*****	1.62	16	
HARDY	3909	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.09	30	*****	3.58	26	
HELENA	4019	2	69.4	30	-2.1	95	12	43	28	38	19	169	-45	6.384	30	3.15	2.02	26	
JEFFERSON	4573	2	69.9	30	-3.4	98	11	39	28	29.5	18.5	177.5	-82.5	5.731	30	2.04	1.65	25	
LAMONT	5013	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.69	30	*****	1.55	26	
MEDFORD	5768	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.442	30	*****	1.63	26	
MORRISON	6065	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.921	30	*****	2.67	26	
MUTUAL	6139	2	67.5	30	-3.7	93	11	43	28	53.5	34.5	127.5	-77.5	4.49	30	1.84	1.47	16	
NEWKIRK	6278	2	69.8	30	-2.8	96	11	43	28	31.5	17.5	177	-68	10.23	30	5.96	7.37	26	
ORIENTA	6751	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.67	30	1.61	2.2	16	
PERRY	7012	2	71	30	-2.6	95	11	45	28	28	14	208.5	-63.5	7.34	30	2.96	2.44	26	
PONCA CITY	7201	2	72	27	*****	97	11	45	28	19.5	*****	207.5	*****	6.662	30	2.32	2.45	26	
RED ROCK	7505	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.66	30	1.43	2.09	26	
WAYNOKA	9404	2	69.7	30	-3.2	94	11	37	28	27	13	168	-83	7.22	30	4.65	2.16	26	
WOODWARD	9760	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.56	31	2.22	2.2	16	

SEPTEMBER 1996 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MIN TEMP	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR
BARNSDALL	535	3	68.9	30	-3.9	95	11 40 28	40	16	156	-102	8.962	30	3.35	5.57 26
BARTLESVILLE	548	3	69.3	30	-3.5	96	11 44 28	30.5	14.5	159	-91	7.072	30	2.5	3.19 26
BIXBY	782	3	69	30	-2.5	95	12 41 30	46.5	25.5	166.5	-49.5	4.81	30	0.1	2.1 26
BURBANK	1256	3	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	8.962	30	4.3	4.48 26
CHELSEA	1717	3	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	11.8	30	*****	4.9 26
CLAREMORE	1828	3	68.6	30	-3.4	94	12 40 29	39.5	15.5	148.5	-85.5	10.83	30	6.38	5.05 26
CLEVELAND 2	1902	3	69.9	30	*****	96	11 47 28	27.5	*****	175	*****	8.53	30	*****	4.44 26
FORAKER	3250	3	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	9.81	30	4.97	4.52 26
HOLLOW	4258	3	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	5.923	30	0.89	2.8 16
HOMINY	4289	3	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	8.341	30	3.22	3.35 26
HULAH	4393	3	67.2	20	*****	95	12 37 30	39.5	*****	83	*****	5.8	26	*****	2.29 26
JAY TOWER	4567	3	68.9	11	*****	91	7 47 20	5	*****	47.5	*****	8.28	13	*****	5.1 26
KANSAS	4672	3	68.5	30	-3.1	90	12 40 29	42	21	146	-73	7.882	30	2.44	3.9 27
KEYSTONE	4812	3	68.9	29	-2.6	91	11 45 28	24	1	138.5	-79.5	6.103	29	*****	2.06 26
LENAPAH	5118	3	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	8.28	27	*****	3.3 16
MANNFORD	5522	3	70.3	30	-2.3	94	11 42 28	32.5	7.5	193	-60	5.61	30	1.05	2.39 27
MARAMEC	5540	3	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	9.731	30	5.04	4.25 26
MIAMI	5855	3	67.7	30	-3.3	93	11 42 28	45.5	14.5	127	-84	6.75	30	1.68	3.33 26
NOWATA	6485	3	69.3	30	-3.1	97	12 42 29	38	18	168	-74	8.212	30	2.86	3.53 26
OOLOGAH	6729	3	70.6	24	*****	95	12 42 30	20	*****	154	*****	9.4	24	*****	3.7 26
PAWHUSKA	6935	3	69.2	30	-3.2	95	11 42 28	39	18	163.5	-76.5	8.47	30	3.54	4.16 26
PAWNEE	6940	3	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	7.141	30	2.1	3.1 26
PRYOR	7309	3	67.4	22	*****	93	6 42 28	40	*****	92.5	*****	10.281	23	*****	5.85 26
RALSTON	7390	3	69.5	30	-3.3	95	11 43 28	32.5	13.5	167.5	-85.5	7.58	30	2.91	2.3 26
SKIATOOK	8258	3	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	7.58	30	2.73	3.44 26
SPAVINAW	8380	3	71.4	30	-2.3	93	12 46 28	20	8	213.5	-59.5	8.352	30	3.57	4.23 26
TULSA	8992	3	70	30	-3.3	96	11 43 28	29	9	179	-90	5.072	30	0.37	2.37 26
UPPER SPAV	9101	3	68.9	27	*****	93	4 41 29	29	*****	133	*****	7.172	30	*****	3.7 26
VINITA	9203	3	68.1	23	*****	93	11 43 28	38.5	*****	109.5	*****	7.52	23	*****	4.77 26
WAGONER	9247	3	70.4	30	-3	94	11 42 28	30	16	193.5	-72.5	7.67	30	3.11	3.32 26
WANN	9298	3	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	6.791	30	*****	2.56 16
WYONONA	9792	3	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	7.392	30	*****	4.23 26

SEPTEMBER 1996 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MIN TEMP	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR
CANTON DAM	1445	4	68.6	30	-3.3	92	11 45 28	42	26	148.5	-74.5	7.14	30	3.96	3.54 15
CLINTON	1909	4	70.6	30	-3.3	92	10 42 28	20	7	187	-93	11.001	30	7.27	5.87 15
COLONY	2039	4	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	2.891	30	*****	1.02 15
CORDELL	2125	4	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	6.024	30	2.41	2.55 4
ELK CITY	2849	4	70.3	29	-1.9	91	11 44 28	8	-5	160.5	-68.5	9.333	29	*****	5 15
ERICK	2944	4	69.5	30	-2.9	90	11 38 28	26.5	13.5	162.5	-72.5	8.26	30	5.04	3.85 15
GEARY	3497	4	71.7	30	-1	94	10 48 29	15	-1	215.5	-31.5	4.42	30	0.62	1.62 19
HAMMON	3871	4	65.2	20	*****	91	12 38 28	54.5	*****	58.5	*****	7.32	30	4.23	3.1 15
LEEDEY	5090	4	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	5.44	30	2.73	3.2 15
MACKIE	5463	4	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	3.12	30	*****	1.12 15
MORAVIA	6035	4	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	5.33	30	1.92	2 15
OKEENE	6629	4	70.5	30	-3.2	95	10 45 28	20.5	7.5	186.5	-87.5	5.72	30	2.03	3.54 15
RETROP	7565	4	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	6.72	30	*****	3.7 15
REYDON	7579	4	68.4	29	-2.4	90	13 41 29	22.5	4.5	121	-71	3.24	30	0.21	1.3 15
SAYRE	7952	4	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	8.08	30	5.04	3.52 15
SWEETWATER	8652	4	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	3.741	30	*****	1.16 15
TALOGA	8708	4	69.4	30	-2.7	95	10 39 28	21.5	7.5	154.5	-72.5	7.311	30	4.34	3.6 15
THOMAS	8815	4	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	7.85	30	*****	3.4 15
VICI	9172	4	*****	0	*****	****	0 **** 0	*****	*****	*****	*****	6.37	30	3.73	2.17 15
WATONGA	9364	4	70.3	30	-2.4	96	10 43 28	23	7	180.5	-66.5	5.602	30	2.23	2.86 15
WEATHERFORD	9422	4	69.4	30	-2.7	93	10 43 28	39	21	170.5	-60.5	6.111	30	2.37	2.9 14

SEPTEMBER 1996 SUMMARY FOR CENTRAL DIVISON (CD5)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV					HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		
					FROM NORM	MAX TEMP	MIN TEMP	DAY	DAY							FROM NORM	MAX 24-HR	DAY
AMBER	200	5	****	0	****	****	0	****	0	*****	*****	*****	5.99	30	****	2.15	16	
ARCADIA	288	5	****	0	****	****	0	****	0	*****	*****	*****	1.26	28	****	0.84	16	
BLANCHARD	830	5	70.8	30	-3.2	93	11	43	28	23	12	198	-83	5.375	30	1.22	2.17	16
BRISTOW	1144	5	70	30	-3	96	11	40	28	32.5	13.5	181.5	-77.5	6.483	30	1.84	2.71	26
CHANDLER	1684	5	71.1	27	****	93	11	44	28	12	*****	176	*****	6	27	****	2.45	16
CHICKASHA	1750	5	71.3	30	-2.3	94	11	38	28	26	14	215.5	-54.5	5.2	30	1.4	1.84	25
COX CITY	2196	5	****	0	****	****	0	****	0	*****	*****	*****	*****	5.26	30	****	1.59	27
CRESCENT	2242	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.39	30	****	1.45	19
CUSHING	2318	5	69.4	29	-3.1	94	12	47	29	39	24	166.5	-73.5	5.041	30	0.93	1.25	26
EDMOND	2788	5	****	0	****	****	0	****	0	*****	*****	*****	*****	5.19	30	****	1.4	2
EL RENO	2818	5	71.3	30	-1.6	92	12	45	28	20.5	7.5	208	-39	4.71	30	0.58	1.4	1
GUTHRIE	3821	5	69.4	30	-4.8	92	11	40	28	32	18	164.5	-125.5	5.432	30	1.12	1.6	16
HENNESSEY	4055	5	70.3	22	****	95	11	42	28	21.5	*****	139	*****	3.4	29	****	1.63	15
INGALLS	4489	5	****	0	****	****	0	****	0	*****	*****	*****	*****	5.771	30	****	1.65	24
KINGFISHER	4861	5	70.7	28	****	95	11	42	28	24.5	*****	185	*****	4.55	29	****	1.23	15
KONAWA	4915	5	****	0	****	****	0	****	0	*****	*****	*****	*****	5.36	30	0.92	1.5	26
MARSHALL	5589	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.46	30	-0.37	1.25	15
MEEKER	5779	5	69.3	30	-3.9	92	11	42	28	30	16	159	-101	4.54	30	0.25	1.18	19
MULHALL	6110	5	****	0	****	****	0	****	0	*****	*****	*****	*****	5.28	30	****	1.11	15
NORMAN NWS	6386	5	69.1	30	-4.9	91	11	43	28	29	19	153	-127	4.712	30	0.62	1.25	19
OILTON	6616	5	****	0	****	****	0	****	0	*****	*****	*****	*****	5.7	30	****	1.5	23
OKEMAH	6638	5	71.8	30	-1.5	94	11	46	28	21.5	6.5	226	-38	6.37	30	2.11	1.83	27
OKLAHOMA CTY	6661	5	69.4	30	-3.6	92	11	41	28	30.5	15.5	163	-92	5.884	30	2.04	1.4	15
PERKINS	7003	5	****	0	****	****	0	****	0	*****	*****	*****	*****	6.86	30	2.46	2.17	15
PIEDMONT	7068	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.21	30	****	0.82	19
PRAGUE	7264	5	****	0	****	****	0	****	0	*****	*****	*****	*****	4.09	30	-0.39	0.98	26
PURCELL	7327	5	70.5	30	-3.7	92	11	40	28	28	15	193.5	-95.5	5.39	30	1.03	1	27
SEMINOLE	8042	5	70.4	30	-4.4	92	10	42	28	31	22	194	-109	5.58	30	1.19	1.9	27
SHAWNEE	8110	5	****	0	****	****	0	****	0	*****	*****	*****	*****	4.441	30	0.22	1.42	20
STELLA	8479	5	****	0	****	****	0	****	0	*****	*****	*****	*****	3.841	30	****	1	26
STILLWATER	8501	5	69.6	30	-2.5	97	12	45	29	37	20	174	-56	4.99	30	0.7	2.19	16
STROUD	8563	5	****	0	****	****	0	****	0	*****	*****	*****	*****	6.971	30	****	2.46	24
TECUMSEH	8751	5	****	0	****	****	0	****	0	*****	*****	*****	*****	6	30	****	1.75	28
TROUSDALE	8960	5	****	0	****	****	0	****	0	*****	*****	*****	*****	6.01	28	****	1.64	26
UNION CITY	9086	5	****	0	****	****	0	****	0	*****	*****	*****	*****	2.83	30	-1.4	0.78	19
WELTY	9479	5	****	0	****	****	0	****	0	*****	*****	*****	*****	6.272	30	****	1.4	24
WEWOKA	9575	5	****	0	****	****	0	****	0	*****	*****	*****	*****	5.45	30	1.13	1.62	27

SEPTEMBER 1996 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV					HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		
					FROM NORM	MAX TEMP	MIN TEMP	DAY	DAY							FROM NORM	MAX 24-HR	DAY
ASHLAND	364	6	****	0	****	****	0	****	0	*****	*****	*****	*****	6.013	30	****	2.95	27
BEGGS	631	6	****	0	****	****	0	****	0	*****	*****	*****	*****	4.68	30	****	1.08	26
BOYNTON	1027	6	****	0	****	****	0	****	0	*****	*****	*****	*****	10.31	30	****	5.95	26
CALVIN	1391	6	****	0	****	****	0	****	0	*****	*****	*****	*****	2.65	31	-1.79	0.9	12
CHECOTAH	1711	6	****	0	****	****	0	****	0	*****	*****	*****	*****	7.27	30	2.39	2.55	27
CLAYTON	1858	6	****	0	****	****	0	****	0	*****	*****	*****	*****	5.01	30	****	1.78	16
DEWAR	2485	6	****	0	****	****	0	****	0	*****	*****	*****	*****	8.772	30	4.23	3.5	27
DUSTIN	2690	6	****	0	****	****	0	****	0	*****	*****	*****	*****	7.52	30	****	1.62	27
EUFULA	2993	6	71.1	29	-3.6	90	7	46	28	21	11	199	-102	6.96	29	****	1.8	26
HANNA	3884	6	69.7	30	-3.9	90	11	43	28	31.5	19.5	171.5	-98.5	7.841	30	3.26	1.8	27
HARTSHORNE	3946	6	****	0	****	****	0	****	0	*****	*****	*****	*****	6.09	30	****	2.84	27
HASKELL	3956	6	****	0	****	****	0	****	0	*****	*****	*****	*****	6.821	30	2.43	2.22	27
HOLDENVILLE	4235	6	70.8	30	-3	92	10	41	29	18.5	8.5	194	-80	6.58	30	2.51	1.65	28
LAKE EUFAULA	4975	6	67.8	9	****	84	13	55	21	1.5	*****	26.5	*****	1.5	9	****	1.1	16
LYONS	5437	6	****	0	****	****	0	****	0	*****	*****	*****	*****	6.49	30	1.67	4.41	26
MCALESTER	5664	6	70.8	24	****	92	11	42	28	9	*****	149	*****	2.363	28	****	1.47	15
MCCURTAIN	5693	6	69.4	30	-4.6	92	7	39	28	31.5	17.5	163	-121	6.03	30	1.27	2.22	27
MUSKOGEE	6130	6	70.3	30	-3.2	91	11	42	29	28.5	13.5	189	-81	11.74	30	7.23	6.07	26
OKMULGEE	6670	6	68.5	29	-3.4	93	12	42	29	33	12	135	-93	7.54	29	****	3.85	27
OKTAHA	6678	6	****	0	****	****	0	****	0	*****	*****	*****	*****	7.49	30	****	3.48	27
QUINTON	7372	6	****	0	****	****	0	****	0	*****	*****	*****	*****	5.981	30	1.4	2.14	26
SALLISAW	7862	6	69.2	30	-4.7	88	12	42	28	33	22	157.5	-117.5	6.53	30	2.02	2.28	27
SCIPIO	7979	6	****	0	****	****	0	****	0	*****	*****	*****	*****	7.03	30	****	2.79	27
SCRAPER	7993	6	****	0	****	****	0	****	0	*****	*****	*****	*****	6.11	30	****	5.01	4
SHORT	8170	6	****	0	****	****	0	****	0	*****	*****	*****	*****	6.95	30	****	2.75	27
STILWELL	8506	6	67.2	30	-4.5	89	11	43	28	38.5	18.5	104	-117	10.141	30	5.42	6.45	27
TAHLEQUAH	8677	6	68.9	30	-3.6	91	11	41	28	33.5	6.5	150.5	-101.5	10.51	30	5.52	6.23	26
WEBBERS FALL	9445	6	72.4	18	****	90	12	53	11	0	*****	132.5	*****	7.43	23	****	2.3	27
WESTVILLE	9523	6	****	0	****	****	0	****	0	*****	*****	*****	*****	10.26	30	****	6.35	27
WETUMKA	9571	6	****	0	****	****	0	****	0	*****	*****	*****	*****	6.21	30	1.63	1.61	27

SEPTEMBER 1996 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV					HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		
					FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY							FROM NORM	MAX 24-HR	DAY
ALTUS	179	7	72.3	30	-2.8	94	23	39	28	17	11	237	-72	4.67	30	1.23	2.69	4
ALTUS DAM	184	7	70.4	30	-3.6	94	24	40	28	33.5	25.5	196	-82	2.92	30	-0.51	0.66	15
ANADARKO	224	7	70.5	15	*****	94	12	41	29	9.5	*****	92	*****	1.83	18	*****	0.55	27
APACHE	260	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.94	30	1.19	2	26
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.705	30	*****	1.06	4
CARNEGIE	1504	7	70.9	30	-3	92	11	40	28	23	11	201	-78	2.36	30	-1.67	0.55	26
CHATTANOOGA	1706	7	72.3	29	-3	92	11	43	28	18	11	230	-86	5.99	29	*****	2.19	4
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	9.061	30	*****	1.88	1
FREDERICK	3353	7	71.3	30	-3.3	91	24	43	25	36.5	29.5	224	-68	4.49	30	0.91	1.97	8
HEADRICK	3998	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.93	30	*****	1.36	7
HOBART	4204	7	71.4	20	*****	92	23	40	28	9	*****	136.5	*****	0.431	25	*****	0.2	15
HOLLIS	4249	7	70.7	30	-3.8	91	11	40	28	19.5	13.5	189	-102	6.26	30	3.13	2.85	15
LAWTON	5063	7	70.6	30	-3.4	91	12	44	28	34	26	201.5	-76.5	5.89	30	2.23	1.8	3
FORT SILL	5068	7	71	29	*****	92	11	43	28	24	*****	198	*****	5.223	30	*****	1.31	3
LOOKEBA	5329	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.18	30	-0.17	2.11	15
MANGUM	5509	7	72.6	30	-2.1	96	11	41	28	15	9	243.5	-53.5	6.25	30	2.87	3.03	4
RANDLETT	7403	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.511	30	*****	2.29	15
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.62	30	0.29	1.67	3
SEDAN	8016	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.55	30	*****	0.78	4
SNYDER	8299	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.19	30	1.62	0.93	1
VINSON	9212	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.5	30	2.3	2.35	15
WALTERS	9278	7	71.5	27	*****	90	11	44	29	23	*****	199.5	*****	8.71	30	4.46	2.8	4
WICHITA MT	9629	7	67.6	29	-4.8	90	12	38	20	61	48	136.5	-98.5	7.81	30	3.78	2	18
WILLOW	9668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.72	30	*****	2.1	15

SEPTEMBER 1996 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV					HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		
					FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY							FROM NORM	MAX 24-HR	DAY
ADA	17	8	69.6	30	-4.2	89	11	45	28	28.5	20.5	167.5	-104.5	5.451	30	0.99	1.94	27
ALLEN	147	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.84	30	*****	2.2	27
ARDMORE	292	8	73.6	30	-2.6	92	11	48	28	16	11	273.5	-67.5	6.68	30	2.51	2.4	15
ATOKA DAM	394	8	73.1	19	*****	92	12	51	27	2	*****	156.5	*****	6.02	20	*****	1.94	16
BOKCHITO	917	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.51	30	*****	2.5	27
CENTRAHOMA	1648	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.85	30	*****	2.5	27
CHICKASAW	1745	8	69.5	30	-4.1	89	12	40	28	34	20	169	-103	5.91	30	1.27	1.5	15
COLEMAN	2011	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.35	30	*****	1.65	16
COMANCHE	2054	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.97	30	3.49	1.66	27
DAISY	2354	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.09	30	-0.47	1.64	16
DUNCAN	2660	8	70.3	30	-3.9	92	12	43	28	38	29	197	-88	8.17	30	3.76	1.2	1
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.5	30	*****	1.27	27
GRADY	3688	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.03	30	*****	1.7	15
HEALDTON	4001	8	70.9	30	-3.8	90	11	45	28	27.5	19.5	204	-95	5.64	30	1.1	1.74	15
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.99	30	*****	1.6	27
KETCHUM RAN	4780	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.79	30	*****	1.27	19
KINGSTON	4865	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.41	30	2.63	1.99	19
LEHIGH	5108	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.15	30	*****	1.3	16
LINDSAY	5216	8	71.8	30	-1.8	92	11	44	28	21	7	226.5	-45.5	4.55	30	0.24	0.98	19
LOCO	5247	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.09	30	*****	1.17	27
MADILL	5468	8	70.9	30	-4.5	90	11	41	25	27.5	19.5	204.5	-115.5	6.83	30	2.01	1.9	14
MARIETTA	5563	8	72.7	30	-2.7	92	11	44	28	18	10	249	-71	6.03	30	1.84	1.58	20
MARLOW	5581	8	70.3	30	-3.4	91	11	38	28	31	21	190.5	-80.5	6.27	30	1.94	1.42	27
MCGEE CREEK	5713	8	70.6	30	*****	91	5	45	29	25	*****	193	*****	6.33	30	*****	1.79	16
PAULS VALLEY	6926	8	71	29	-3.6	93	11	40	28	28.5	19.5	202	-95	5.4	29	*****	1.5	16
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.96	30	1.96	2.25	26
TISHOMINGO	8884	8	71.8	30	-3.2	93	10	44	28	9	2	214	-93	5.65	30	0.74	2.5	15
TUSSY	9032	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	9	30	*****	2.1	27
WAURIKA	9395	8	72.3	30	-3.4	92	11	44	28	18	18	237.5	-88.5	4.752	30	0.84	1.53	26
WAURIKA DAM	9399	8	73	21	*****	92	12	45	30	10.5	*****	178.5	*****	6.212	30	*****	1.38	27

SEPTEMBER 1996 SUMMARY FOR SOUTHEAST DIVISION (CD9)

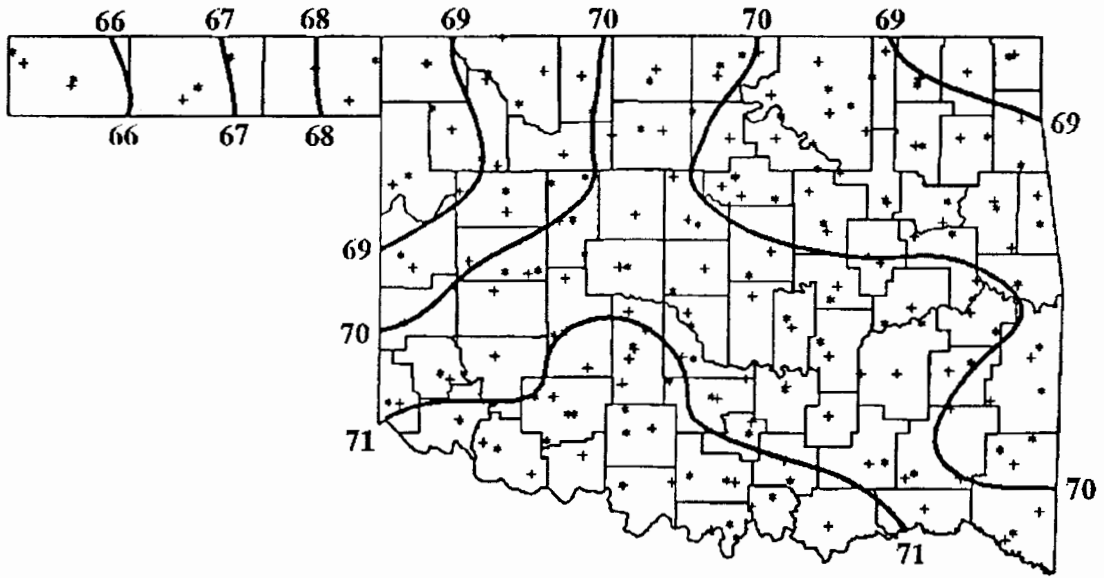
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	70.6	30	-3.5	89	7	41	28	25	15	193.5	-89.5	*****	0	*****	*****	0
BATTIEST	567	9	67	30	*****	85	12	37	29	43	*****	102.5	*****	7.93	30	*****	2.9	16
BEAR MT	584	9	70.7	24	*****	90	11	42	28	19.5	*****	155.5	*****	7.82	30	*****	2.09	15
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.9	30	*****	2.39	16
BOSWELL	980	9	70.3	26	*****	89	7	42	29	16.5	*****	154	*****	8.77	26	*****	4.05	17
BROKEN BOW	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.26	30	1.72	1.62	26
BROKEN BOW D	1168	9	71.1	30	-2.6	96	2	44	30	9	1	192	-77	6.39	30	1.68	2.15	26
CARNASAW	1499	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.63	30	1.04	2.04	27
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.32	30	0.53	1.25	27
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.21	30	0.53	2.3	27
HEAVENER	4008	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.061	30	1.49	2.4	15
HUGO	4384	9	71.4	30	-3.8	89	12	44	28	23.5	17.5	217	-95	7.5	30	2.97	2.39	27
IDABEL	4451	9	69.5	30	-4.4	91	8	40	28	28	20	163.5	-111.5	6.033	30	1.84	1.77	27
PINE CREEK	7080	9	70.4	27	*****	90	8	39	30	12	*****	157	*****	7.341	27	*****	2.4	27
POTEAU	7254	9	69.9	30	*****	91	11	43	28	25.5	*****	174	*****	6.152	30	*****	2.43	26
SMITHVILLE	8285	9	67.4	30	-4.4	88	12	37	29	45	24	118	-107	4.453	30	-0.12	1.65	16
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.71	30	0.67	1.34	27
VALLIANT	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8	30	3.03	2.26	16
WILBURTON	9634	9	69.7	30	-3.3	90	12	42	29	26.5	11.5	166	-86	5.95	30	1.06	2.97	26
ZOE	9985	9	66.9	30	-4.7	85	12	39	29	42	17	100	-123	6.882	30	2.28	3.37	16

SEPTEMBER 1996 CLIMATE DIVISION SUMMARY

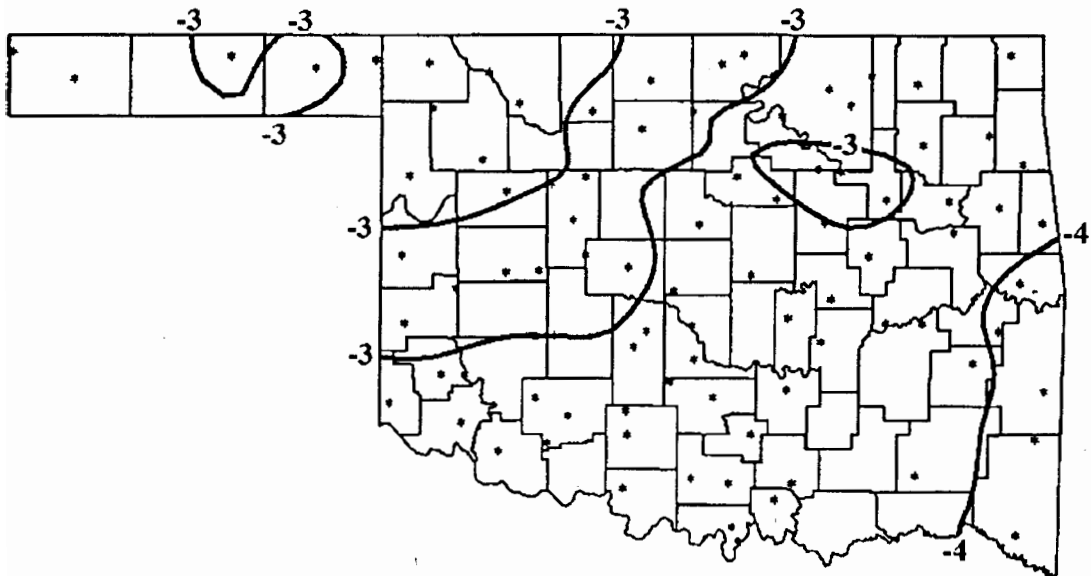
CD	MEAN TEMP	NUM STA	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAYS	DEV FROM NORM	COOL DEG DAYS	DEV FROM NORM	TOT PPT	NUM STA	DEV FROM NORM	MAX 24-HR	DAY
1	66.8	8	-3.2	94	11	33	27	59	31.6	111.8	-63.3	3.8	12	1.69	2.02	15
2	69.4	12	-3	98	11	37	28	35.1	18.9	168.3	-72.3	6.36	22	2.94	7.37	26
3	69.4	15	-2.8	97	12	37	30	34.4	12.8	166.3	-71.6	7.86	25	2.99	5.85	26
4	69.9	10	-2.6	96	10	38	28	23.8	8.7	168.7	-70.5	6.08	20	2.8	5.87	15
5	70.2	13	-3.3	97	12	38	28	29.2	15.7	184.3	-82.2	5.16	32	0.94	2.71	26
6	69.5	9	-3.8	93	12	39	28	29.9	14.3	162.6	-101.2	7.24	25	2.67	6.45	27
7	71	10	-3.3	96	11	38	20	28.1	19.5	205.6	-81.3	5.21	21	1.56	3.03	4
8	71.2	13	-3.4	93	10	38	28	24.8	16.2	209.8	-88.1	6.04	28	1.54	2.5	15
9	69.3	9	-4.3	96	2	37	29	29.7	17.5	158.5	-110.7	6.25	17	1.61	4.05	17

MESONET MONTHLY SUMMARY FOR SEPTEMBER 1996

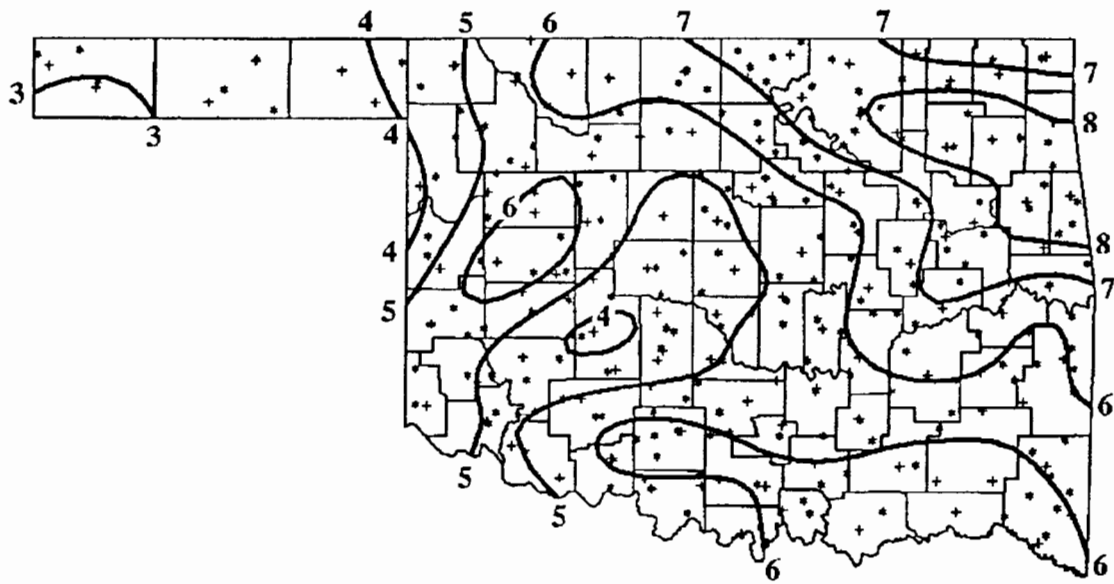
NAME	MEAN MAX		MIN				TOT MAX				NAME	MEAN MAX		MIN				TOT MAX			
	TEMP	TEMP	DAY	TEMP	DAY	HDD	CDD	PPT	24-HR	DAY		TEMP	TEMP	DAY	TEMP	DAY	HDD	CDD	PPT	24-HR	DAY
PANHANDLE																					
ARNETT	69.2	94	10	41	28	34	161	3.43	1.33	18	GOODWELL	65.7	90	22	38	27	82	101	4.13	1.94	15
BEAVER	68.6	95	10	36	28	50	157	3.79	2.51	18	HOOVER	68.3	93	9	39	27	53	151	2.36	1.32	18
BOISE CITY	65.5	91	22	34	27	79	95	1.34	.34	17	KENTON	66.0	91	2	34	27	73	103	3.72	.90	6
BUFFALO	70.0	96	10	43	28	31	181	5.24	2.61	15	SLAPOUT	68.8	94	10	43	26	42	156	3.72	1.81	18
NORTH CENTRAL																					
ALVA	69.8	96	11	45	28	27	171	6.88	2.17	15	MAY RANCH	68.4	94	11	44	26	42	143	6.23	2.74	15
BLACKWELL	71.2	99	11	45	28	20	206	4.32	1.74	25	MEDFORD	71.3	99	11	45	28	17	208	5.04	2.15	15
BRECKENRIDGE	71.1	99	11	45	28	21	204	4.60	2.22	15	NEWKIRK	70.2	98	11	43	28	27	182	8.26	4.04	25
CHEROKEE	69.9	96	10	46	28	24	171	6.06	2.35	15	RED ROCK	70.4	96	11	46	28	19	182	6.66	3.14	26
FAIRVIEW	70.2	98	10	46	28	20	176	5.85	2.77	15	SEILING	70.5	97	10	42	28	22	188	6.98	4.01	15
FREEDOM	70.3	97	10	40	28	28	187	6.61	2.41	15	WOODWARD	69.8	95	10	44	28	30	173	3.84	1.95	15
LAHOMA	70.3	95	11	45	28	21	179	6.10	2.61	15											
NORTHEAST																					
BIXBY	68.9	94	11	43	28	34	150	5.42	3.09	26	NOWATA	69.0	97	11	41	28	33	154	7.08	2.76	15
BURBANK	68.2	93	10	42	28	37	133	8.27	3.35	15	PAWNEE	70.8	97	11	45	28	20	193	7.07	2.91	26
CLAREMORE	70.9	98	11	41	28	24	200	11.53	4.95	26	PRYOR	69.9	95	6	43	28	25	173	8.03	4.27	26
COPAN	68.4	97	11	42	28	38	140	4.67	1.53	15	SKIATOOK	71.4	98	11	45	28	21	212	9.20	4.46	26
FORAKER	69.8	98	11	44	28	28	171	7.98	2.90	15	TULLAHASSEE	69.8	92	11	43	28	22	167	7.61	4.46	26
JAY	68.8	95	11	43	28	30	146	7.46	4.95	26	VINITA	67.9	97	11	41	28	41	129	8.33	3.42	15
MIAMI	67.8	95	11	43	28	39	125	6.06	2.40	26	WYMONA	70.7	98	11	43	28	22	194	5.86	2.82	26
WEST CENTRAL																					
BESSIE	71.6	94	11	46	28	15	213	5.61	2.73	15	PUTNAM	70.4	94	10	41	28	25	186	7.08	4.37	15
BUTLER	70.9	94	10	40	28	18	196	8.57	5.43	15	RETROP	70.0	90	11	43	28	21	171	*****	*****	0
CAMARGO	68.3	92	10	40	28	35	135	4.37	2.03	15	WATONGA	69.4	93	10	43	28	27	158	6.24	3.65	15
CHEYENNE	69.2	91	10	45	26	28	154	7.26	1.74	15	WEATHERFORD	69.2	91	10	41	28	30	155	6.37	3.36	15
ERICK	69.1	92	11	38	28	28	152	7.52	2.13	14											
CENTRAL																					
ACME	72.5	94	9	43	28	18	242	5.55	1.09	19	MINCO	71.5	95	11	44	28	18	214	3.92	1.33	19
BOWLEGS	70.7	93	10	45	28	23	194	3.64	1.08	15	NINNEKAH	72.5	96	10	43	28	17	242	4.34	1.25	26
BRISTOW	70.5	99	11	42	28	25	190	5.95	1.71	26	NORMAN	71.3	95	11	44	28	18	208	4.18	.92	19
CHANDLER	69.4	93	10	41	28	28	160	4.57	1.26	15	OILTON	70.3	98	11	44	28	21	182	4.81	1.59	26
CHICKASHA	71.8	95	11	42	28	20	226	4.10	.93	25	OKEMAH	70.9	95	11	43	28	24	200	5.92	1.83	26
EL RENO	70.4	96	10	42	28	24	187	3.15	.78	15	PERKINS	69.3	94	11	44	28	28	156	5.98	1.91	15
GUTHRIE	71.5	96	11	43	28	18	212	5.07	1.91	15	SHAWNEE	71.4	94	11	46	28	20	212	3.53	1.03	15
KINGFISHER	70.3	97	11	43	28	23	184	3.67	1.83	15	SPENCER	72.1	95	10	46	27	18	232	5.11	1.36	19
MARENA	69.4	95	11	44	28	26	158	5.07	2.46	15	STILLWATER	68.8	95	11	43	28	33	149	5.01	2.53	15
MARSHALL	69.8	96	11	42	28	28	170	3.04	1.52	15	WASHINGTON	71.1	93	11	45	28	18	201	4.67	1.47	19
EAST CENTRAL																					
CALVIN	71.0	94	10	42	28	25	205	5.77	1.97	26	SALLISAW	71.4	94	6	44	28	17	209	2.23	.90	15
COOKSON	69.3	93	11	42	28	25	156	6.25	2.85	26	STIGLER	71.1	93	6	46	28	16	200	5.06	1.80	15
EUFULA	71.8	92	7	47	28	15	218	8.48	1.93	15	STUART	70.8	91	10	46	28	23	196	6.58	2.93	26
HASKELL	70.6	95	11	44	28	20	189	7.37	4.20	26	TAHLEQUAH	69.9	95	11	42	28	25	171	6.85	4.68	26
MCALESTER	70.5	93	11	43	28	24	189	4.87	1.73	15	WEBBERS FALLS	70.6	93	7	43	28	17	186	7.80	2.31	26
OKMULGEE	68.8	93	7	42	28	32	146	6.37	3.08	26	WESTVILLE	69.5	93	11	43	28	24	159	10.10	7.62	26
SOUTHWEST																					
ALTUS	71.2	92	23	40	28	22	209	4.69	2.79	4	HOLLIS	71.1	93	11	40	28	19	203	5.20	1.76	15
APACHE	72.1	94	10	45	28	18	230	2.45	.51	25	MANGUM	70.2	91	11	39	28	21	177	6.78	4.27	4
FORT COBB	71.9	95	10	42	28	18	225	1.09	.29	27	MEDICINE PARK	72.8	93	10	45	28	17	251	6.08	1.59	18
GRANDFIELD	71.9	91	10	43	28	19	228	4.14	1.11	8	TIPTON	72.2	92	23	41	28	17	233	3.87	1.30	18
HINTON	69.8	93	11	44	28	24	170	3.37	1.28	15	WALTERS	71.8	91	10	44	28	20	223	7.57	1.74	4
HOBART	70.5	91	11	40	28	24	189	1.67	.51	27											
SOUTH CENTRAL																					
ADA	70.3	92	11	47	28	22	181	5.21	1.81	26	LANE	71.8	91	6	45	28	20	224	6.80	1.68	15
ARDMORE	73.0	93	10	48	28	13	253	6.89	2.16	15	MADILL	73.4	92	10	46	28	15	267	6.61	2.31	15
BURNEYVILLE	70.9	89	7	43	28	24	202	6.83	3.28	15	PAULS VALLEY	72.3	94	11	43	28	19	237	4.92	1.47	26
BYARS	69.8	89	11	44	28	26	172	4.77	1.27	26	RINGLING	71.5	90	11	42	28	23	217	4.78	1.19	15
CENTRAHOMA	69.4	90	10	40	28	31	162	5.18	2.05	26	SULPHUR	70.3	90	11	41	28	28	186	4.93	1.45	15
DURANT	72.6	91	7	47	28	17	244	6.28	1.74	26	TISHOMINGO	69.7	90	11	43	28	31	170	5.59	1.76	26
KETCHUM RANCH	70.4	89	10	44	28	27	189	6.03	1.33	19	WAURIKA	71.9	92	11	45	28	20	227	4.87	1.54	26
SOUTHEAST																					
ANTLERS	69.0	91	10	38	28	36	157	7.35	3.28	15	IDABEL	70.6	92	11	44	28	25	194	6.37	1.90	24
BROKEN BOW	72.5	93	7	43	28	21	247	6.10	2.30	26	MT HERMAN	71.1	94	3	40	28	26	208	4.58	1.45	26
CLAYTON	70.6	93	11	43	28	25	192	5.66	1.85	15	TALIHINA	71.0	93	6	40	28	27	208	5.16	2.42	26
CLOUDY	68.9	88	10	41	28	33	149	5.71	1.71	15	WILBURTON	69.8	91	6	41	28	27	171	7.47	2.92	26
HUGO	72.2	94	11	45	28	21	235	7.71	2.02	26	WISTER	70.7	90	7	45	29	21	191	2.89	1.42	15



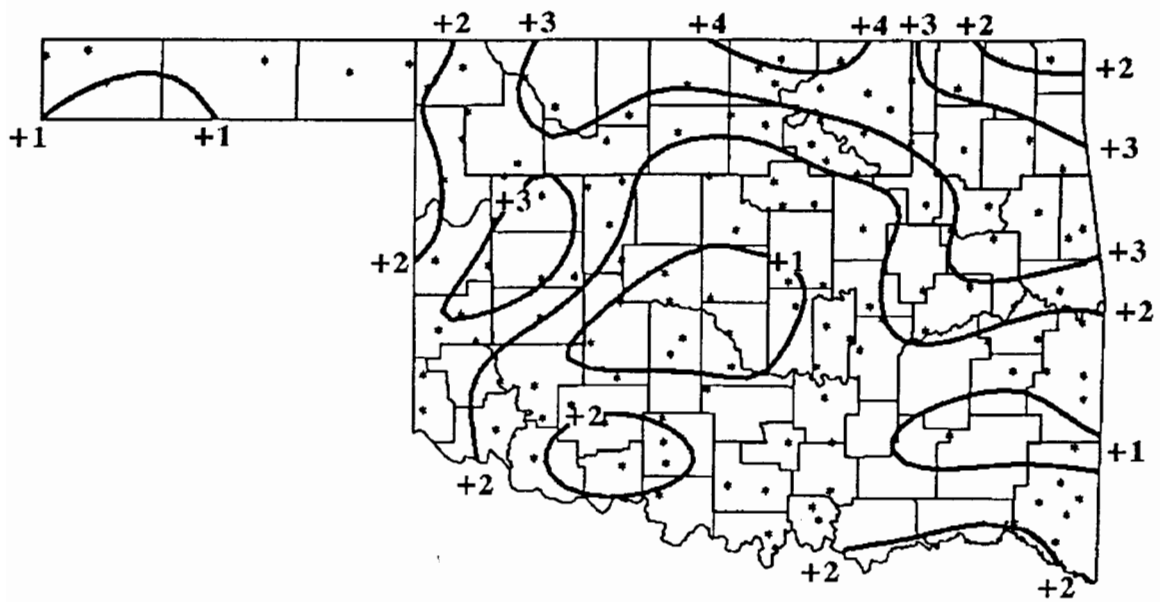
SEPTEMBER 1996 AVERAGE MONTHLY TEMPERATURES
(DEGREES F)



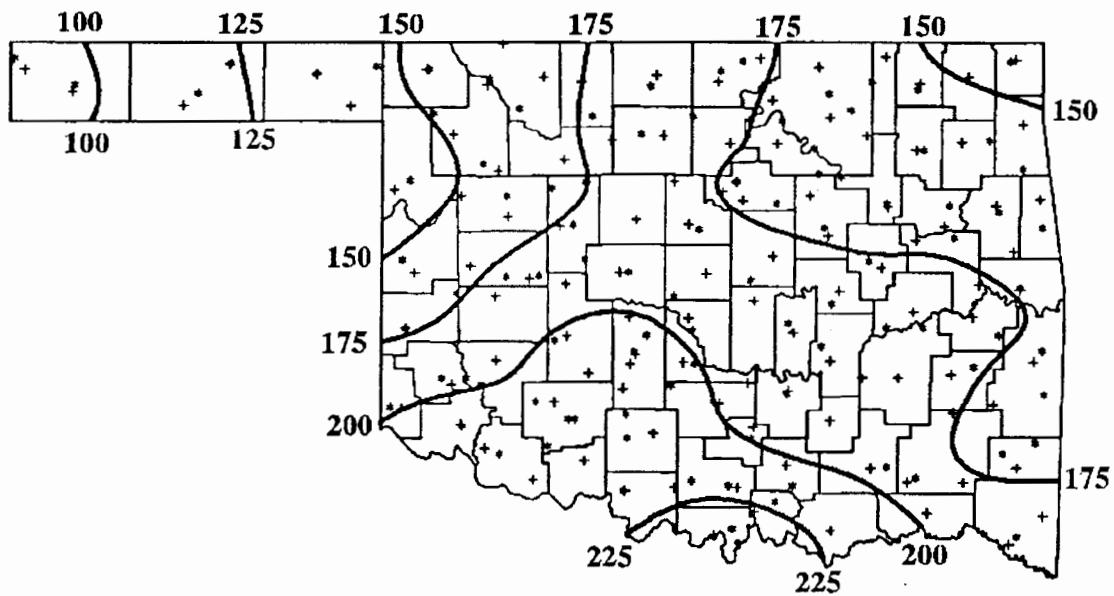
SEPTEMBER 1996 DEVIATION FROM NORMAL TEMPERATURES
(DEGREES F)



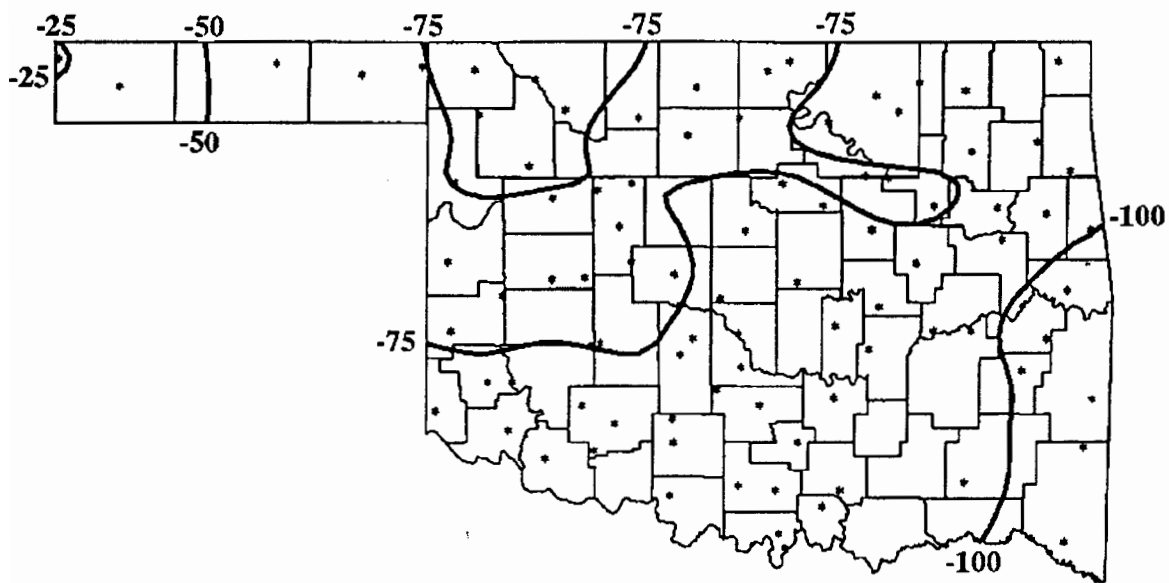
SEPTEMBER 1996 TOTAL PRECIPITATION
(INCHES)



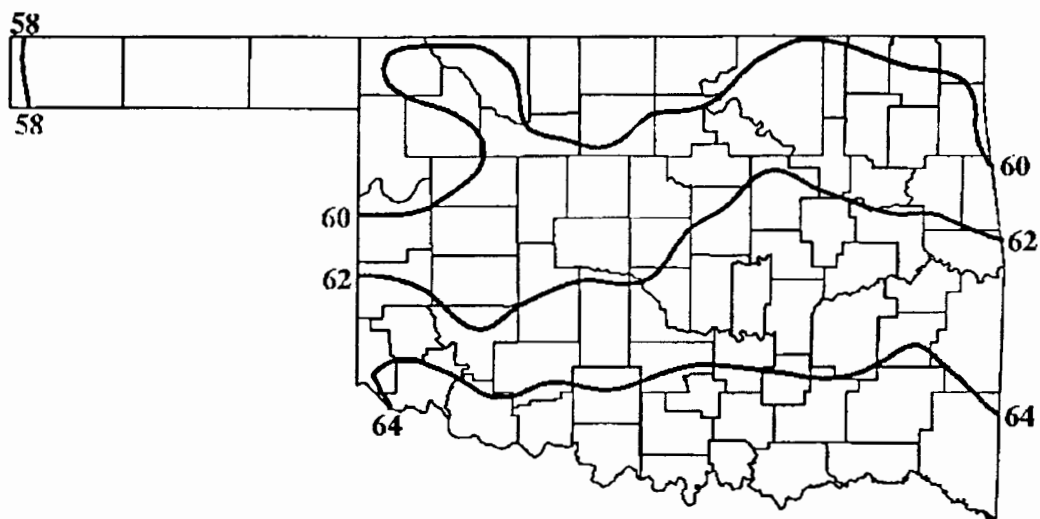
SEPTEMBER 1996 DEVIATION FROM NORMAL PRECIPITATION
(INCHES)



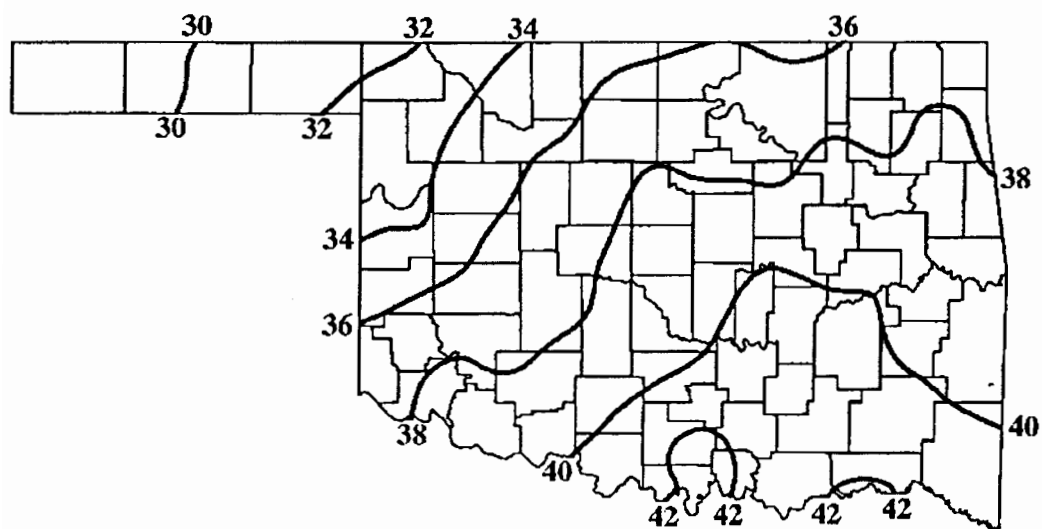
SEPTEMBER 1996 COOLING DEGREE DAYS



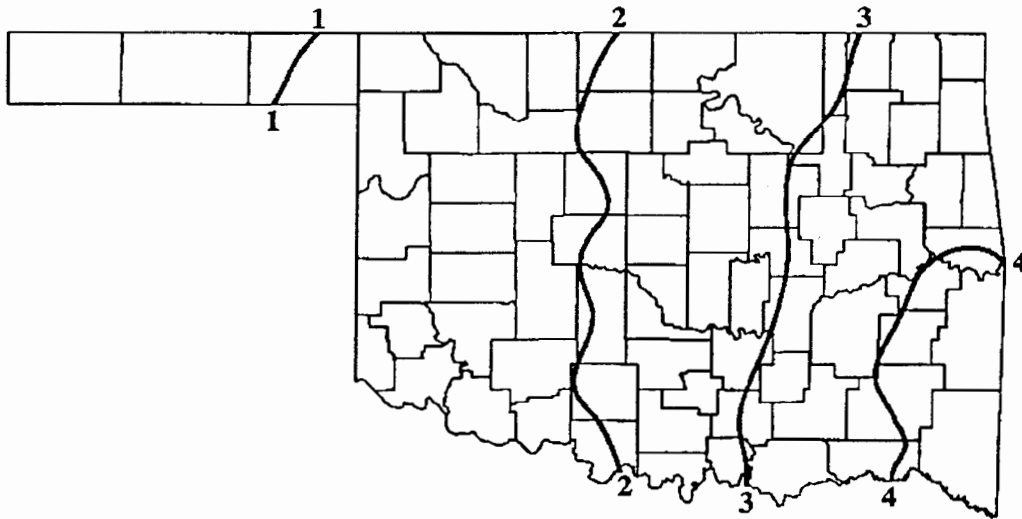
SEPTEMBER 1996 DEVIATION FROM NORMAL COOLING DEGREE DAYS



NOVEMBER NORMAL DAILY MAXIMUM TEMPERATURE (°F)



NOVEMBER NORMAL DAILY MINIMUM TEMPERATURE (°F)



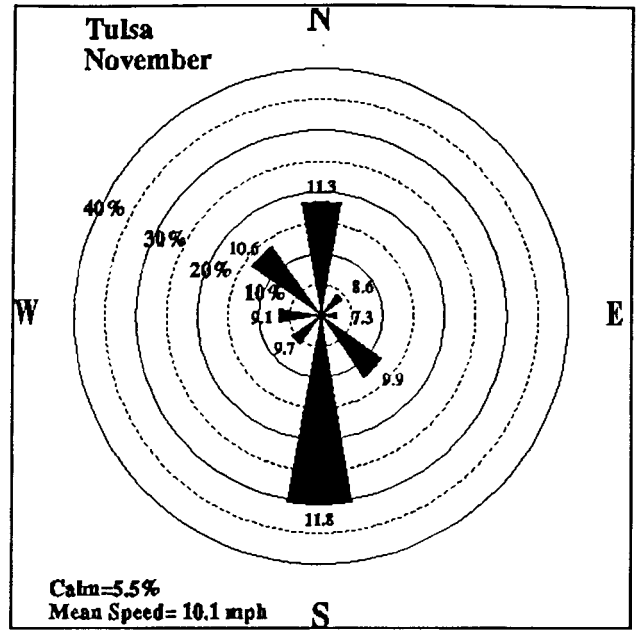
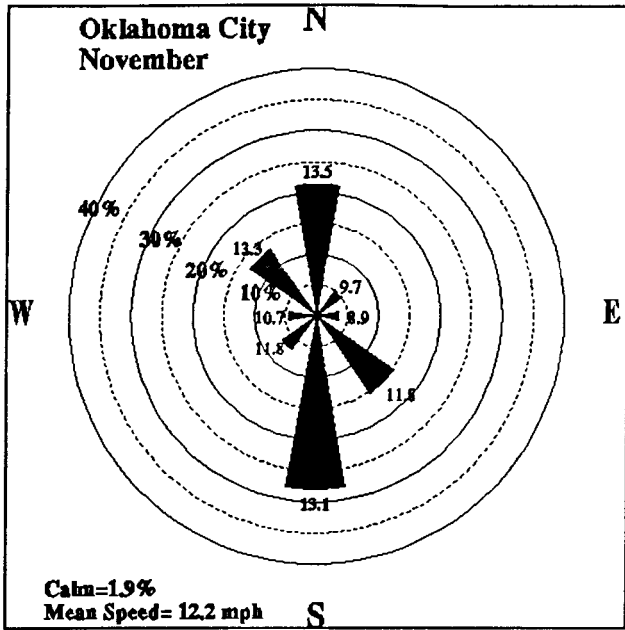
NOVEMBER NORMAL MONTHLY PRECIPITATION (inches)

OUTLOOK FOR NOVEMBER THROUGH DECEMBER 1996

BASED ON SEASONAL OUTLOOKS PROVIDED BY THE CLIMATE PREDICTION CENTER

TEMPERATURE: Near Normal Statewide

PRECIPITATION: Greater than Normal Statewide



November Wind Roses for Oklahoma City and Tulsa. The frequency (per cent) of winds from each direction is represented by length of its bar. The numbers at the ends of the bars indicate the average wind speed from that direction in miles per hour.

NOVEMBER 1996 SUNRISE AND SUNSET

OKLAHOMA CITY

DATE	SUNRISE	SUNSET	DAYLIGHT
9611 1	6:52AM	5:37PM CST	10 hrs 45 mins
9611 2	6:52AM	5:36PM CST	10 hrs 43 mins
9611 3	6:53AM	5:35PM CST	10 hrs 41 mins
9611 4	6:54AM	5:34PM CST	10 hrs 39 mins
9611 5	6:55AM	5:33PM CST	10 hrs 38 mins
9611 6	6:56AM	5:32PM CST	10 hrs 36 mins
9611 7	6:57AM	5:31PM CST	10 hrs 34 mins
9611 8	6:58AM	5:31PM CST	10 hrs 32 mins
9611 9	6:59AM	5:30PM CST	10 hrs 31 mins
961110	7: 0AM	5:29PM CST	10 hrs 29 mins
961111	7: 1AM	5:29PM CST	10 hrs 27 mins
961112	7: 2AM	5:28PM CST	10 hrs 26 mins
961113	7: 3AM	5:27PM CST	10 hrs 24 mins
961114	7: 4AM	5:27PM CST	10 hrs 22 mins
961115	7: 5AM	5:26PM CST	10 hrs 21 mins
961116	7: 6AM	5:25PM CST	10 hrs 19 mins
961117	7: 7AM	5:25PM CST	10 hrs 18 mins
961118	7: 8AM	5:24PM CST	10 hrs 16 mins
961119	7: 9AM	5:24PM CST	10 hrs 15 mins
961120	7:10AM	5:24PM CST	10 hrs 13 mins
961121	7:11AM	5:23PM CST	10 hrs 12 mins
961122	7:12AM	5:23PM CST	10 hrs 11 mins
961123	7:13AM	5:22PM CST	10 hrs 9 mins
961124	7:14AM	5:22PM CST	10 hrs 8 mins
961125	7:15AM	5:22PM CST	10 hrs 7 mins
961126	7:16AM	5:22PM CST	10 hrs 6 mins
961127	7:17AM	5:21PM CST	10 hrs 5 mins
961128	7:18AM	5:21PM CST	10 hrs 4 mins
961129	7:18AM	5:21PM CST	10 hrs 2 mins
961130	7:19AM	5:21PM CST	10 hrs 1 mins

TULSA

DATE	SUNRISE	SUNSET	DAYLIGHT
9611 1	6:46AM	5:29PM CST	10 hrs 43 mins
9611 2	6:47AM	5:28PM CST	10 hrs 41 mins
9611 3	6:48AM	5:27PM CST	10 hrs 39 mins
9611 4	6:49AM	5:26PM CST	10 hrs 37 mins
9611 5	6:50AM	5:25PM CST	10 hrs 35 mins
9611 6	6:51AM	5:24PM CST	10 hrs 33 mins
9611 7	6:52AM	5:23PM CST	10 hrs 31 mins
9611 8	6:53AM	5:23PM CST	10 hrs 30 mins
9611 9	6:54AM	5:22PM CST	10 hrs 28 mins
961110	6:55AM	5:21PM CST	10 hrs 26 mins
961111	6:56AM	5:20PM CST	10 hrs 24 mins
961112	6:57AM	5:20PM CST	10 hrs 23 mins
961113	6:58AM	5:19PM CST	10 hrs 21 mins
961114	6:59AM	5:18PM CST	10 hrs 19 mins
961115	7: 0AM	5:18PM CST	10 hrs 18 mins
961116	7: 1AM	5:17PM CST	10 hrs 16 mins
961117	7: 2AM	5:17PM CST	10 hrs 15 mins
961118	7: 3AM	5:16PM CST	10 hrs 13 mins
961119	7: 4AM	5:16PM CST	10 hrs 12 mins
961120	7: 5AM	5:15PM CST	10 hrs 10 mins
961121	7: 6AM	5:15PM CST	10 hrs 9 mins
961122	7: 7AM	5:14PM CST	10 hrs 7 mins
961123	7: 8AM	5:14PM CST	10 hrs 6 mins
961124	7: 9AM	5:14PM CST	10 hrs 5 mins
961125	7:10AM	5:13PM CST	10 hrs 3 mins
961126	7:11AM	5:13PM CST	10 hrs 2 mins
961127	7:12AM	5:13PM CST	10 hrs 1 mins
961128	7:13AM	5:12PM CST	10 hrs 0 mins
961129	7:13AM	5:12PM CST	9 hrs 59 mins
961130	7:14AM	5:12PM CST	9 hrs 58 mins

OKLAHOMA CITY CLIMATE CALENDAR

NOVEMBER 1996

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 45.3 9.5 1 0 0	max min ppt rpd cdd	63.4 42.6 10.9 12 0	max min ppt rpd cdd	62.1 40.8 11.0 14 0	max min ppt rpd cdd	63.2 41.1 11.0 13 0	max min ppt rpd cdd	62.0 41.3 10.5 13 0	max min ppt rpd cdd	63.4 41.4 10.4 13 0	max min ppt rpd cdd	63.4 41.9 10.2 13 0	max min ppt rpd cdd
Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	83-1916 04-1961 25-1991 65-1926 1-05-1991	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	83-1924 25-1991 19-1991 65-1926 1-21-1974	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	84-1909 06-1991 11-1991 65-1924 1-21-1994	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	83-1921 40-1990 03-1991 65-1926 2-17-1996	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	87-1991 04-1991 23-1991 64-1924 1-23-1994	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	85-1990 09-1999 20-1999 63-1945 2-14-1999	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	84-1990 41-1993 23-1993 62-1916 1-7-1920
Normal	8 Actual	Normal	9 Actual	Normal	10 Actual	Normal	11 Actual	Normal	12 Actual	Normal	13 Actual	Normal	14 Actual
63.7 41.4 0.8 13 0	max min ppt rpd cdd	62.7 35.8 0.2 14 0	max min ppt rpd cdd	62.7 38.8 0.2 15 0	max min ppt rpd cdd	63.7 39.4 0.3 14 0	max min ppt rpd cdd	63.9 39.7 0.6 13 0	max min ppt rpd cdd	64.4 40.3 0.6 13 0	max min ppt rpd cdd	62.1 41.3 0.5 14 0	max min ppt rpd cdd
Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	87-1990 30-1939 19-1991 00-1999 1-42-1995	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	82-1998 07-1960 25-1955 01-1999 1-15-1977	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	85-1995 03-1960 20-1960 00-1992 1-17-1997	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	85-1911 03-1995 17-1911 01-1922 1-10-1999	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	73-1910 25-1940 14-1911 62-1992 1-19-1922	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	80-1997 23-1999 12-1940 01-1999 3-22-1999	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	73-1979 20-1940 14-1916 00-1997 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 40.2 1.1 14 0	max min ppt rpd cdd	58.5 38.9 0.3 17 0	max min ppt rpd cdd	59.0 36.8 0.8 17 0	max min ppt rpd cdd	58.4 38.1 0.6 17 0	max min ppt rpd cdd	59.7 37.1 1.1 17 0	max min ppt rpd cdd	59.0 35.9 1.0 18 0	max min ppt rpd cdd	58.8 35.7 0.2 18 0	max min ppt rpd cdd
Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	84-1993 32-1932 16-1940 01-1971 2-43-1990	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	82-1941 31-1937 14-1932 04-1999 3-9-1991	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	80-1998 30-1999 9-1994 01-1999 1-70-1994	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	80-1990 36-1993 13-1993 04-1994 2-14-1999	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	82-1998 31-1997 18-1997 00-1919 4-4-1999	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	73-1999 23-1999 19-1997 00-1999 2-17-1994	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	80-1997 23-1999 14-1999 03-1992 1-49-1919
Normal	22 Actual	Normal	23 Actual	Normal	24 Actual	Normal	25 Actual	Normal	26 Actual	Normal	27 Actual	Normal	28 Actual
69.1 35.8 0.4 18 0	max min ppt rpd cdd	67.5 34.6 0.3 19 0	max min ppt rpd cdd	55.2 35.1 0.3 19 0	max min ppt rpd cdd	60.5 37.7 0.7 18 0	max min ppt rpd cdd	57.9 36.0 0.1 18 0	max min ppt rpd cdd	51.6 32.0 0.6 23 0	max min ppt rpd cdd	49.5 29.9 0.1 25 0	max min ppt rpd cdd
Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	78-1992 27-1999 16-1998 00-1999 1-54-1991	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	79-1979 29-1995 19-1990 00-1999 1-62-1991	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	84-1995 32-1918 16-1999 00-1999 1-14-1979	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	84-1995 28-1993 16-1993 00-1999 2-01-1940	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	81-1910 31-1992 13-1993 62-1990 1-80-1992	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	82-1999 24-1999 18-1978 03-1927 1-30-1999	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	81-1949 24-1911 1-4-1996 03-1927 1-44-1999
Normal	29 Actual	Normal	30 Actual	NOVEMBER AVERAGES									
59.0 30.0 0.1 24 0	max min ppt rpd cdd	64.5 31.9 0.2 22 0	max min ppt rpd cdd	TEMPERATURE : 49.0°F									
Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	80-1927 28-1997 11-1911 64-1923 01-1999	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	74-1946 22-1995 13-1979 60-1923 7-1999	PRECIPITATION : 1.68"									
COOLING DEGREE DAYS : 1													

TULSA CLIMATE CALENDAR

NOVEMBER 1996

The data on this calendar fare 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 Actual	Normal	2 Actual	Normal	3 Actual	Normal	4 Actual	Normal	5 Actual	Normal	6 Actual	Normal	7 Actual
69.0 Max 48.0 Min 8.0 PPT 8.0 RPD 1 CDD	65.0 Max 44.0 Min 1.17 PPT 1.17 RPD 0 CDD	63.0 Max 41.0 Min 1.17 PPT 1.17 RPD 1 CDD	66-1909 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	63.0 Max 39.0 Min 0.06 PPT 0.06 RPD 0 CDD	66-1909 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	62.0 Max 42.0 Min 1.08 PPT 1.08 RPD 0 CDD	66-1914 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	62.0 Max 41.0 Min 0.02 PPT 0.02 RPD 0 CDD	87-1914 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	62.0 Max 39.0 Min 0.07 PPT 0.07 RPD 0 CDD	87-1945 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	63.0 Max 41.0 Min 0.09 PPT 0.09 RPD 0 CDD	85-1960 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt
64.0 Max 43.0 Min 0.09 PPT 12 RPD 0 CDD	63.0 Max 40.0 Min 0.04 PPT 1.9 RPD 0 CDD	63.0 Max 39.0 Min 0.06 PPT 0.06 RPD 0 CDD	84-1980 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	63.0 Max 39.0 Min 0.06 PPT 0.06 RPD 0 CDD	83-1996 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	62.0 Max 40.0 Min 1.03 PPT 1.03 RPD 0 CDD	86-1989 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	63.0 Max 40.0 Min 0.09 PPT 1.3 RPD 0 CDD	80-1989 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	65.0 Max 39.0 Min 0.07 PPT 0.07 RPD 0 CDD	84-1910 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	62.0 Max 41.0 Min 0.06 PPT 1.4 RPD 0 CDD	78-1982 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt
69.0 Max 42.0 Min 1.25 PPT 13 RPD 0 CDD	61.0 Max 40.0 Min 0.06 PPT 1.5 RPD 0 CDD	60.0 Max 39.0 Min 0.14 PPT 1.5 RPD 0 CDD	82-1980 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	61.0 Max 40.0 Min 0.06 PPT 1.5 RPD 0 CDD	80-1989 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	58.0 Max 39.0 Min 0.05 PPT 1.6 RPD 0 CDD	82-1980 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	60.0 Max 38.0 Min 0.17 PPT 1.6 RPD 0 CDD	81-1988 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	58.0 Max 36.0 Min 0.20 PPT 1.9 RPD 0 CDD	81-1988 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	58.0 Max 35.0 Min 0.09 PPT 1.8 RPD 0 CDD	78-1927 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt
69.0 Max 40.7 Min 17 RPD 0 CDD	68.0 Max 45.0 Min 0.02 PPT 1.8 RPD 0 CDD	65.0 Max 35.0 Min 0.16 PPT 2.0 RPD 0 CDD	79-1906 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	68.0 Max 45.0 Min 0.02 PPT 1.8 RPD 0 CDD	66-1905 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	60.0 Max 37.0 Min 1.76 PPT 1.76 RPD 0 CDD	84-1905 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	67.0 Max 39.0 Min 0.11 PPT 1.8 RPD 0 CDD	83-1986 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	62.0 Max 33.0 Min 0.08 PPT 0.08 RPD 0 CDD	77-1927 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	60.0 Max 31.0 Min 0.09 PPT 2.5 RPD 0 CDD	81-1946 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt
69.0 Max 30.0 Min 0.05 PPT 23 RPD 0 CDD	64.0 Max 31.0 Min 0.03 PPT 2.3 RPD 0 CDD	64.0 Max 31.0 Min 0.03 PPT 2.3 RPD 0 CDD	82-1927 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	64.0 Max 31.0 Min 0.03 PPT 2.3 RPD 0 CDD	82-1927 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	60.0 Max 37.0 Min 1.76 PPT 1.76 RPD 0 CDD	84-1905 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	67.0 Max 39.0 Min 0.11 PPT 1.8 RPD 0 CDD	83-1986 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	62.0 Max 33.0 Min 0.08 PPT 0.08 RPD 0 CDD	77-1927 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	60.0 Max 31.0 Min 0.09 PPT 2.5 RPD 0 CDD	81-1946 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt

NOVEMBER AVERAGES

TEMPERATURE : 49.3°F
 PRECIPITATION : 2.62"
 HEATING DEGREE DAYS : 472
 COOLING DEGREE DAYS : 2

