

# OKLAHOMA MONTHLY SUMMARY OCTOBER 1996

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## MONTHLY SUMMARY FOR OCTOBER 1996

Pleasant autumn weather dominated Oklahoma during most of October. Both temperature and precipitation were lower than normal across the state. An early-season snow in the Panhandle and locally heavy rains in the south late in the month provided variety and raised the total monthly statewide precipitation. October precipitation, averaged across the state, was 2.60 inches, 0.47 inch less than normal. The statewide-averaged temperature of 61.2 degrees was 0.9 degree lower than normal. This October ranks as the 52nd driest and 32nd coolest since 1892. Year-to-date precipitation stands at 31.47 inches, 1.32 inches greater than normal, to rank as the 38th greatest January through October precipitation in state history. Temperatures thus far in 1996 have averaged 62.8 degrees, 0.7 degree lower than normal to rank this year, so far, as the state's 27th coolest.

A cold front moved through the state on the 2nd, knocking over 30 degrees off of the daily high temperatures in the Panhandle from the first to the second. Hooker, Guymon and Goodwell in Texas County and Boise City in Cimarron County each had highs in the low 90s on the first and in the upper 50s on the second. Otherwise, daytime temperatures were generally in the 70s and 80s through the first three weeks, although there were a few excursions into the lower 90s in the Panhandle and into the upper 60s at diverse locations.

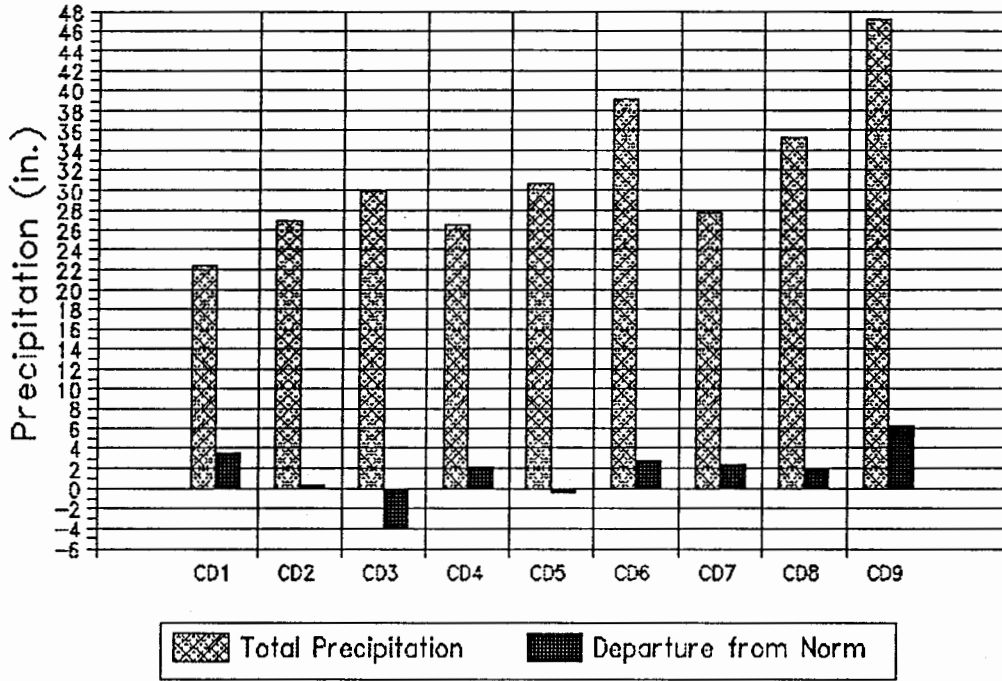
Significantly cooler air moved through the state on the 17th, bringing freezing temperatures to the Panhandle on the 17th and into many other areas of the state on the 19th. A rapidly developing low pressure system brought severe weather to the state on the 20th and 21st along with an early taste of winter weather in the northwest. Baseball-sized hail fell in Stephens County on the 20th with smaller hail reported in many areas. Winds were estimated to have reached 100 miles per hour in Garvin and Murray counties in south central Oklahoma. Local flooding was reported south of Duncan (Stephens) on the 20th and in Antlers (Pushmataha) and south of Caney (Atoka) on the 21st. Five to eight inches of snow fell in western Cimarron County in the Panhandle with flurries reported as far east as Kansas (Delaware). Heavy rains from the 20th through the 22nd in south central and southeastern Oklahoma produced 7.58 inches of precipitation at Antlers, 6.88 inches at McGee Creek Dam (Atoka), 6.65 inches at Lane (Atoka) and 6.51 inches at Bokchito (Bryan). The Antlers precipitation included 5.80 inches on the 21st. Cloudy, also in Pushmataha County, received 4.64 inches on the 21st. The cold air that entered the state in the wake of the storm lowered temperatures significantly. The Mesonet site near Kenton (Cimarron) recorded a low temperature of 16 degrees on the 22nd, and temperatures in the 20s and low 30s were reported from many areas in the state.

Warmer weather returned to the state by the 23rd and mild, relatively wet weather dominated the remainder of the month. Locally heavy rain on the 26th and 27th brought daily reports of 3.69 inches of rain to Claremore (Rogers) and 3.40 inches to Smithville (McCurtain). Additional reports included 3.16 inches at Vinita (Craig), 3.11 inches at Miami (Ottawa) and 3.06 inches at Boswell (Choctaw). Chelsea (Mayes) reported 3.00 inches of rain on the 27th, 1.66 inches on the 28th and another 1.86 inches on the 29th.

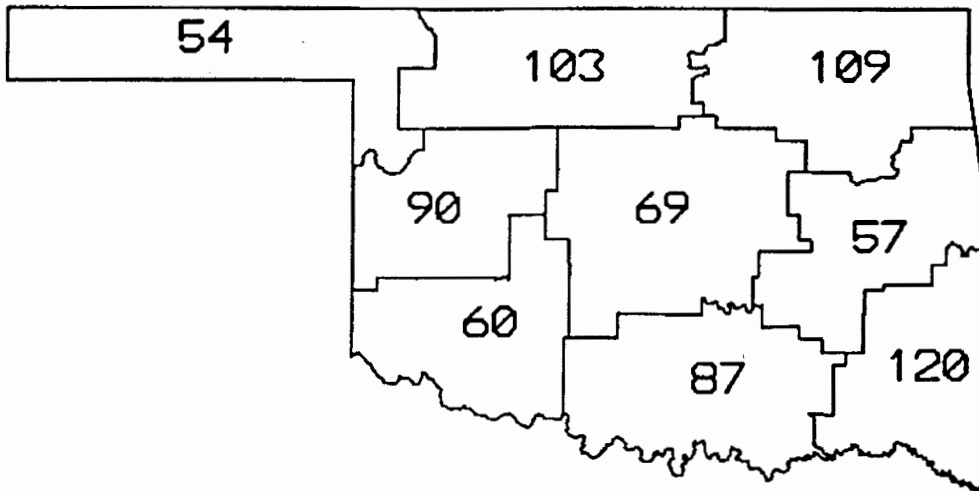
Another winter-like system spread cold, wet weather across the state on Halloween evening. Quinton (Pittsburg) received 2.38 inches of rain and Sallisaw (Sequoyah) reported 2.12 inches while daily high temperatures in most of western Oklahoma were in the 40s or upper 30s.

Howard L. Johnson

### CD Averaged Precipitation January through October 1996

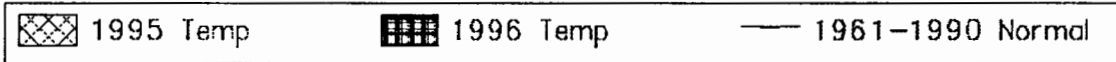
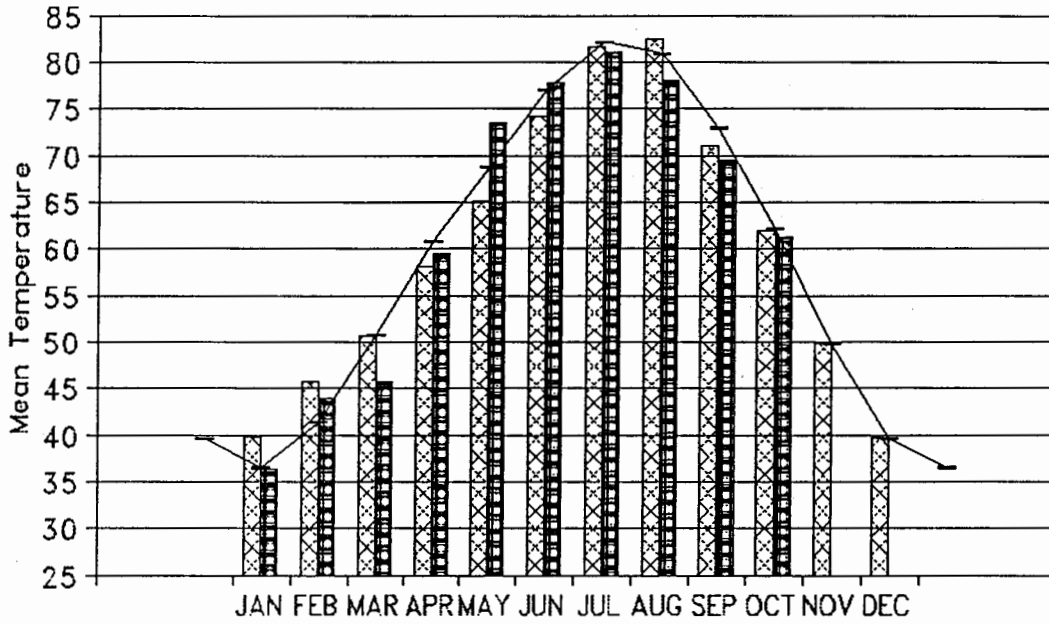


### CD PERCENT OF NORMAL PRECIPITATION

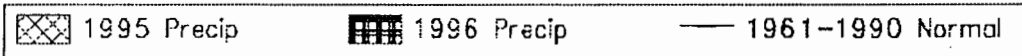
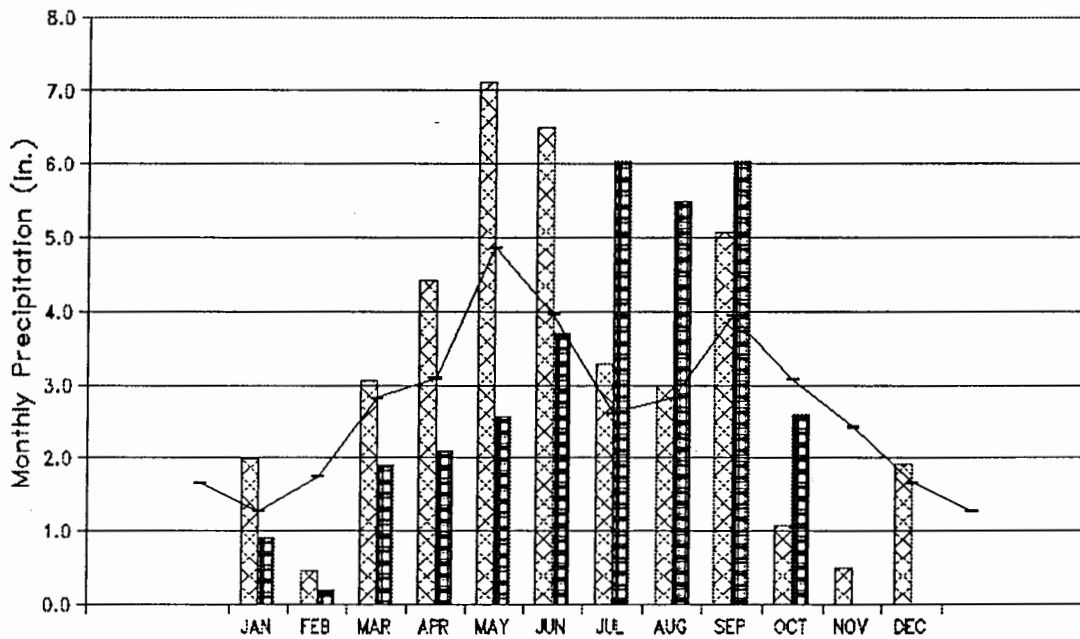


OCTOBER 1996

### 1995 and 1996 STATEWIDE TEMPERATURES Monthly Averages



### 1995 and 1996 STATEWIDE PRECIPITATION Monthly Totals



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

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	92	2	GOODWELL	21	22	BOISE CITY	.65 .65	21 21	KENTON REGNIER	1.03	HOOKER
2	87 87	13 14	ALVA FREEDOM	29	25	FREEDOM	2.80	27	CHEROKEE	3.73	NEWKIRK
3	86	2	KEYSTONE	30	31	HULAH	3.16	28	VINITA	9.27	CHELSEA
4	88	17	CLINTON	32 32 32 32	18 21 22 21	HAMMON REYDON REYDON TALOGA	2.27	27	CORDELL	3.29	THOMAS
5	85 85 85 85	13 16 13 16	CHICKASHA CHICKASHA HENNESSEY HENNESSEY	31 31	18 23	GUTHRIE PURCELL	2.45	26	OILTON	4.61	CUSHING
6	85 85	2 3	HOLDENVILLE WEBBERS FALL	30 30	19 18	MCCURTAIN TAHLEQUAH	2.38	31	QUINTON	5.68	QUINTON
7	89 89	14 20	CARNEGIE MANGUM	33	23	ALTUS	1.50	27	HOLLIS	2.52	FORT SILL
8	89	27	MARIETTA	30	18	MADILL	4.28	22	MCGEE CREEK	8.35	BOKCHITO
9	88 88	27 8	ANTLERS PINE CREEK	26	18	PINE CREEK	3.66	21	BROKEN BOW D	8.86	BOSWELL

**TABLE OF 1995/1996 COMPARISONS**

Station	OCTOBER Temperature (°F)		OCTOBER Precipitation (in.)	
	1995	1996	1995	1996
Arnett	57.7	57.3	0.81	0.45
Mutual	****	58.2	****	1.77
Tulsa	62.8	61.4	1.05	5.60
Elk City	61.6	60.7	1.14	2.46
Oklahoma City	61.6	61.2	1.54	2.53
McAlester	63.5	61.3	2.08	0.60
Altus Irr Station	64.6	63.9	0.57	1.83
Ardmore	65.6	65.2	0.35	3.54
Idabel	62.4	61.3	1.54	5.08

**EXTREMES**

VARIABLE	STATION	DIVISION	OBSERVATION	DATE
Minimum temperature (°F)	Boise City	1	21	22
Maximum temperature (°F)	Goodwell	1	92	2
Maximum 24-hour precipitation	McGee Creek	8	4.28"	22

### OCTOBER 1996 SUMMARY FOR PANHANDLE DIVISION (CD1)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ARNETT	332	1	57.3	31	-1.5	84	17	32	22	248.5	25.5	9.5	-21.5	0.45	31	-1.38	0.24	29
BEAVER	593	1	57.9	31	0.3	88	17	27	18	246	-1	25.5	8.5	0.79	31	-0.4	0.41	22
BOISE CITY	908	1	55.9	31	-1.3	89	13	21	22	289	35	8	-5	0.405	31	-0.46	0.3	21
BUFFALO	1243	1	61.9	31	0.3	90	16	32	30	144	-12	48.5	-2.5	0.6	31	-1.34	0.3	29
FARGO	3070	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.64	31	-1	0.3	29
GAGE	3407	1	59	31	-1.4	88	16	30	18	218.5	33.5	34	-8	0.531	31	-1.03	0.25	29
GATE	3489	1	59.6	25	*****	86	15	29	31	166.5	*****	31	*****	0.641	27	*****	0.35	29
GOODWELL	3628	1	58	30	1.2	92	2	26	19	236.5	-31.5	26	12	0.62	31	-0.34	0.37	29
GUYMON	3835	1	57.4	31	*****	91	1	26	18	268.5	*****	32	*****	0.71	31	*****	0.3	28
HOOKER	4298	1	56.9	31	-1.3	89	2	28	18	274	34	22	-7	1.03	31	0.09	0.53	29
KENTON	4766	1	56.5	31	0.8	90	12	24	22	273	-26	9.5	-1.5	0.811	31	-0.14	0.65	21
LAVERNE	5045	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.572	31	-0.84	0.36	29
RANGE	7412	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.881	31	*****	0.54	21
REGNIER	7534	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.76	31	0	0.65	21
TURPIN	9017	1	55	24	*****	86	17	26	19	247	*****	7	*****	0.99	26	*****	0.37	22

### OCTOBER 1996 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ALVA	193	2	60.9	31	*****	87	13	35	31	163	*****	35	*****	2.07	31	*****	0.72	8
VANCE AFB	302	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.731	30	*****	1.52	27
BILLINGS	755	2	59.6	31	-1.3	84	17	35	31	202	35	33.5	-6.5	1.872	31	-0.86	0.82	27
BLACKWELL 2E	818	2	62.6	30	1.4	86	16	37	22	126	-30	53	14	2.39	31	-0.31	0.63	8
BRAMAN	1075	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.171	31	*****	1.28	22
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.49	31	*****	1.01	27
CHEROKEE	1724	2	61.4	31	-0.8	85	16	36	31	161	27	49.5	2.5	3.63	31	1.72	2.8	27
ENID	2912	2	61.6	31	-0.8	84	17	35	31	148.5	11.5	42	-14	2.83	31	-0.28	1.5	27
FT SUPPLY	3304	2	58.6	28	*****	86	17	32	24	205.5	*****	26	*****	0.571	31	-0.97	0.37	29
FREEDOM	3358	2	58.3	31	-2.7	87	14	29	25	224	63	17.5	-19.5	0.7	31	-1.16	0.35	29
GREAT SALT P	3740	2	59	23	*****	86	17	35	31	158	*****	20.5	*****	2.101	31	0.04	0.77	28
HARDY	3909	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.761	31	*****	1.4	27
HELENA	4019	2	59.5	31	-0.3	85	17	36	31	202.5	9.5	30.5	-0.5	2.311	31	0.22	1.11	27
JEFFERSON	4573	2	61.2	31	-0.8	86	16	32	18	160	18	42	-7	2.63	31	-0.02	0.79	26
LAMONT	5013	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.11	31	*****	1.05	22
MEDFORD	5768	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.371	31	*****	0.75	26
MORRISON	6065	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.59	31	*****	0.96	8
MUTUAL	6139	2	58.2	31	-1.2	84	17	32	22	227	24	17.5	-11.5	1.77	31	0.09	0.77	27
NEWKIRK	6278	2	60.4	31	-1.2	82	16	33	22	178.5	31.5	37	-4	3.73	31	0.5	1.45	8
ORIENTA	6751	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.34	31	-0.54	0.53	27
PERRY	7012	2	63.3	28	*****	84	16	36	22	100.5	*****	51.5	*****	3.08	29	*****	1	27
PONCA CITY	7201	2	62.8	31	2.1	86	16	35	22	147	-24	78	40	3.332	31	0.41	1.15	27
RED ROCK	7505	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.35	31	0.56	1.33	27
WAYNOKA	9404	2	60.9	31	-0.8	86	13	34	18	164.5	-0.5	37	-26	2.06	31	0.31	1.1	27
WOODWARD	9760	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.67	31	-1.2	0.27	27

**OCTOBER 1996 SUMMARY FOR NORTHEAST DIVISION (CD3)**

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
BARNSDALL	535	3	60.3	31	-1.1	83	16	31	18	180.5	21.5	35	-15	3.011	31	-0.18	1.18	27
BARTLESVILLE	548	3	60.6	31	-1	85	13	34	31	168.5	18.5	33.5	-11.5	3.07	31	-0.23	1.05	27
BIXBY	782	3	61.3	31	0.8	85	17	35	19	152.5	-24.5	38	0	4.1	31	0.4	1.68	28
BURBANK	1256	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.06	31	-1.03	0.72	27
CHELSEA	1717	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	9.27	31	*****	3	27
CLAREMORE	1828	3	59.9	31	-0.5	82	14	32	19	188.5	7.5	29.5	-9.5	5.23	31	1.67	1.9	21
CLEVELAND 2	1902	3	61.2	29	*****	84	16	34	22	144.5	*****	35.5	*****	3.871	31	*****	1.58	27
FORAKER	3250	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.87	31	-1.57	0.68	27
HOLLOW	4258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.061	31	0.43	1.75	21
HOMINY	4289	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.272	31	0.31	1.47	27
HULAH	4393	3	57.3	20	*****	85	18	30	31	165	*****	12	*****	3.25	22	*****	1.09	22
JAY TOWER	4567	3	60	15	*****	82	17	34	18	85.5	*****	10	*****	4.18	17	*****	2.15	28
KANSAS	4672	3	59.9	30	-1.5	80	4	35	18	160	-3	8	-43	3.103	30	*****	1.7	27
KEYSTONE	4812	3	61.2	29	*****	86	2	37	19	140	*****	30	*****	2.43	26	*****	0.95	27
LENAPAH	5118	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.28	31	*****	1.6	27
MANNFORD	5522	3	61.9	31	-0.2	84	16	34	18	136.5	-7.5	41.5	-12.5	4.43	31	1.35	1.62	27
MARAMEC	5540	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.03	31	0.01	1.22	27
MIAMI	5855	3	58.7	31	-1.2	81	17	33	23	208.5	11.5	14.5	-24.5	4.751	31	1.02	2.35	27
NOWATA	6485	3	59.9	31	-1.4	82	17	33	23	185.5	25.5	28	-17	4.421	31	1.08	1.11	21
PAWHUSKA	6937	3	61	31	*****	83	16	34	22	165	*****	42.5	*****	3.44	31	*****	1.23	27
PAWNEE	6940	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.47	31	0.64	1.05	21
PRYOR	7309	3	60.6	30	0.6	83	17	34	19	164.5	-28.5	33	-5	4.841	31	1.03	1.75	21
RALSTON	7390	3	61.2	31	-0.4	84	16	34	18	162.5	20.5	44.5	7.5	2.67	31	-0.22	0.8	21
SKIATOOK	8258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.69	31	0.51	1.18	28
SPAVINAW	8380	3	63	31	-0.1	82	17	35	18	116.5	-10.5	54.5	-13.5	3.901	31	0.21	1.45	22
TULSA	8992	3	61.4	31	-0.8	84	16	37	22	156.5	12.5	45.5	-11.5	5.601	31	1.94	2.07	27
VINITA	9203	3	59.8	31	-0.7	82	16	31	18	177.5	0.5	17.5	-20.5	4.72	31	0.88	3.16	28
WAGONER	9247	3	62.3	31	-0.6	83	16	34	23	127	-9	43	-28	2.52	31	-1.6	1.1	22
WANN	9298	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.71	31	*****	0.84	27

**OCTOBER 1996 SUMMARY FOR WEST CENTRAL DIVISION (CD4)**

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
CANTON DAM	1445	4	59.1	31	-1.3	84	17	34	22	208.5	30.5	26.5	-9.5	2.34	31	0.32	1.07	8
CLINTON	1909	4	61	31	-1.5	88	17	35	31	158.5	30.5	34.5	-16.5	2.83	31	0.01	1.85	27
COLONY	2039	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.311	31	*****	0.86	8
CORDELL	2125	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.182	31	0.66	2.27	27
ELK CITY	2849	4	60.7	31	-0.8	87	2	33	31	165	7	31.5	-17.5	2.461	31	0.47	1.66	27
ERICK	2944	4	60.1	31	-1.4	86	16	33	18	177.5	35.5	25.5	-7.5	1.98	31	-0.18	1.4	27
GEARY	3497	4	62.4	23	*****	84	13	39	22	97.5	*****	38	*****	1.6	31	-0.64	0.64	27
HAMMON	3871	4	60.1	27	*****	85	17	32	18	148	*****	14.5	*****	1.09	31	-0.89	0.57	27
LEEDEY	5090	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.95	31	-0.95	0.33	29
MACKIE	5463	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.75	31	*****	0.43	29
MORAVIA	6035	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.43	31	-0.96	0.97	27
KEENE	6629	4	61.3	31	-1.5	85	16	36	22	157.5	32.5	41.5	-15.5	1.31	31	-1.14	0.68	27
RETROP	7565	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.69	31	*****	0.95	27
REYDON	7579	4	59.8	31	-0.8	86	17	32	22	183.5	11.5	21.5	-14.5	0.87	31	-0.78	0.56	7
SAYRE	7952	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.56	31	-0.6	0.92	27
SWEETWATER	8652	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.871	31	*****	0.52	8
TALOGA	8708	4	59.9	31	-0.8	84	16	32	21	186.5	23.5	27	-2	2.281	31	0.28	0.78	22
THOMAS	8815	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.29	31	*****	1.81	27
VICI	9172	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.671	31	-0.29	0.51	29
WATONGA	9364	4	61.5	31	-0.2	84	16	36	22	147.5	0.5	38.5	-6.5	2.95	31	0.57	1.43	27
WEATHERFORD	9422	4	60.6	30	-0.1	83	14	37	22	157	-10	26	-8	0.97	31	-1.72	0.33	7

**OCTOBER 1996 SUMMARY FOR CENTRAL DIVISION (CD5)**

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
AMBER	200	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.21	31	*****	0.95	8
ARCADIA	288	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.16	31	*****	0.79	21
BLANCHARD	830	5	62.8	31	-0.6	83	16	38	23	120.5	-0.5	51.5	-19.5	2.22	31	-1.15	0.98	28
BRISTOW	1144	5	61.8	31	-1.2	84	16	34	18	139	8	38.5	-30.5	2.783	31	-0.37	0.88	28
CHANDLER	1684	5	62	29	*****	84	16	35	18	125.5	*****	38	*****	2.39	31	-0.63	1.24	22
CHICKASHA	1750	5	62.2	29	*****	85	16	35	18	134	*****	54	*****	1.5	31	-1.75	0.7	28
COX CITY	2196	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.75	31	*****	0.61	21
CRESCENT	2242	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.99	31	*****	1.15	21
CUSHING	2318	5	61.4	30	-0.2	83	17	36	22	139.5	-14.5	30.5	-18.5	4.61	31	1.72	1.25	28
EDMOND	2788	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.801	31	*****	0.82	31
EL RENO	2818	5	62.7	31	0.6	83	16	38	18	127.5	-8.5	55	9	1.47	31	-1.05	0.48	22
GUTHRIE	3821	5	59.5	30	-3.6	84	15	31	18	182.5	63.5	16.5	-43.5	2.67	31	-0.04	0.87	21
HENNESSEY	4055	5	61.5	31	-0.7	85	16	37	31	161	18	52	-4	2.891	31	0.55	1.5	27
INGALLS	4489	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.89	31	*****	1.23	27
KINGFISHER	4861	5	61.6	31	-1.2	84	16	36	31	156	32	51.5	-4.5	3.05	31	0.72	1.3	8
KONAWA	4915	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.03	31	-1.04	1.6	31
MARSHALL	5589	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.61	31	-1.14	0.71	22
MEEKER	5779	5	61.7	31	-1	83	16	36	18	140.5	6.5	37	-25	2.75	31	-0.79	0.98	27
MULHALL	6110	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.43	31	*****	0.92	21
NORMAN NWS	6386	5	61	31	-2.3	82	16	37	31	162.5	50.5	37	-22	2.113	31	-1.12	0.63	31
OILTON	6616	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.28	31	*****	2.45	26
OKEMAH	6638	5	63.4	31	0.3	83	16	40	22	104	-21	54.5	-12.5	1.85	31	-1.99	1.03	22
OKLAHOMA CTY	6661	5	61.2	31	-0.8	83	16	37	31	155	18	38.5	-5.5	2.531	31	-0.7	0.79	31
PERKINS	7003	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.94	31	-1.03	0.52	8
PIEDMONT	7068	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.77	31	*****	1.05	8
PRAGUE	7264	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.41	31	-2.42	0.72	27
PURCELL	7327	5	62.5	31	-0.7	83	16	31	23	123	4	45.5	-17.5	1.601	31	-2.34	0.4	28
SEMINOLE	8042	5	63.6	30	-0.8	84	16	37	24	88.5	-5.5	46.5	-28.5	1.582	31	-2.27	0.83	21
SHAWNEE	8110	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.583	31	-2.49	0.77	28
STELLA	8479	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.54	31	*****	0.75	31
STILLWATER	8501	5	60.7	31	0.2	84	14	36	23	166	-2	34	6	2.37	31	-0.46	1.03	21
STROUD	8563	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.52	31	*****	0.71	28
TECUMSEH	8751	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.16	31	*****	0.52	22
TROUSDALE	8960	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.51	31	*****	1.34	3
UNION CITY	9086	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.52	31	-0.75	1.21	8
WELTY	9479	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.071	31	*****	1.05	28
WEWOKA	9575	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.332	31	-2.38	1.07	22

**OCTOBER 1996 SUMMARY FOR EAST CENTRAL DIVISION (CD6)**

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ASHLAND	364	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.563	31	*****	0.75	22
BEGGS	631	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.7	31	*****	0.98	22
BOYNTON	1027	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.101	31	*****	1.15	22
CALVIN	1391	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.5	31	-1.6	0.9	31
CHECOTAH	1711	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.993	31	-3.24	0.58	22
CLAYTON	1858	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.66	31	*****	1.55	22
DEWAR	2485	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.223	31	-1.74	1.1	22
DUSTIN	2690	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.121	31	*****	0.73	21
EUFAULA	2993	6	63	30	-1.6	81	2	40	22	103.5	0.5	44	-47	3.68	31	-0.44	2	31
HANNA	3884	6	61.6	31	-1.4	83	2	36	19	135.5	17.5	30	-26	1.011	31	-3.14	0.6	22
HARTSHORNE	3946	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.87	31	*****	1.23	28
HASKELL	3956	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.68	31	-2.39	1.1	22
HOLDENVILLE	4235	6	62.5	31	-1.1	85	2	35	18	121	5	45	-28	1.04	31	-3.16	0.79	22
LAKE EUFAULA	4975	6	61	13	*****	81	17	39	23	72	*****	20	*****	1.22	14	*****	0.45	22
LYONS	5437	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.27	31	-1.21	0.82	22
MCALESTER	5664	6	61.3	26	*****	84	2	34	23	131.5	*****	36.5	*****	0.603	29	*****	0.49	27
MCCURTAIN	5693	6	62.6	31	-1.1	84	16	30	19	112	-3	39	-36	3.991	31	0.09	1.87	22
MUSKOGEE	6130	6	62.2	31	-0.4	82	16	35	7	125.5	-8.5	38.5	-21.5	2.53	31	-1.62	1.11	31
OKMULGEE	6670	6	60.3	29	*****	84	17	33	19	156.5	*****	19	*****	2.121	31	-1.89	1.31	22
OKTAHA	6678	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.02	31	*****	0.68	22
QUINTON	7372	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.681	31	1.58	2.38	31
SALLISAW	7862	6	61.2	31	-2	82	28	39	19	141.5	16.5	23	-46	2.37	31	-2.07	1.39	22
SCPIO	7979	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.96	31	*****	0.77	21
SCRAPER	7993	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.4	31	*****	1.5	22
SHORT	8170	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.89	31	*****	1.65	22
STILWELL	8506	6	58.7	31	-2.6	78	16	31	18	199	39	3	-42	2.68	31	-1.4	0.9	23
TAHLEQUAH	8677	6	61.7	31	-0.1	80	27	30	18	141	-16	37.5	-20.5	2.33	31	-1.88	0.91	22
WEBBERS FALL	9445	6	62.2	30	0.8	85	3	35	19	126	-27	43	2	1.251	31	-3.27	0.85	22
WESTVILLE	9523	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.47	31	*****	1.76	31
WETUMKA	9571	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.04	31	-2.8	0.71	22



**OCTOBER 1996 SUMMARY FOR SOUTHWEST DIVISION (CD7)**

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
ALTUS	179	7	63.9	31	-0.7	87	20	33	23	91	-9	58	-30	1.83	31	-0.54	0.62	27
ALTUS DAM	184	7	63	31	0.5	86	17	34	23	124	-8	61.5	6.5	0.81	31	-1.93	0.25	27
APACHE	260	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.33	31	-1.48	0.5	27
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.601	30	*****	0.82	22
CARNEGIE	1504	7	61.6	30	-1.4	89	14	34	23	136	18	35	-21	1.622	31	-0.77	0.6	7
CHATTANOOGA	1706	7	63.5	31	-0.8	85	20	34	23	93.5	1.5	48.5	-22.5	1.24	31	-1.48	0.43	22
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.993	31	*****	0.62	21
FREDERICK	3353	7	62.4	31	-0.9	84	17	38	23	125.5	0.5	44.5	-27.5	1.94	31	-0.71	0.81	27
HEADRICK	3998	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.92	31	*****	0.54	20
HOBART	4204	7	61.2	26	*****	85	16	35	23	138.5	*****	39	*****	1.762	29	*****	0.94	7
HOLLIS	4249	7	61.3	31	-2	87	16	34	23	150.5	32.5	35.5	-29.5	2.14	31	-0.03	1.5	27
LAWTON	5063	7	62	30	-0.6	84	17	37	24	124	-6	34	-22	1.31	31	-1.67	0.48	28
FORT SILL	5068	7	62.3	31	*****	83	20	37	23	130.5	*****	46.5	*****	2.523	31	*****	0.72	20
LOOKEBA	5329	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.48	31	-1.25	0.4	27
MANGUM	5509	7	63.1	31	-0.7	89	20	35	23	118	8	59.5	-13.5	1.39	31	-1.27	0.92	27
RANDLETT	7403	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.26	31	*****	0.42	22
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.97	31	-1.59	0.34	8
SEDAN	8016	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.49	31	*****	1.45	28
SNYDER	8299	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.78	31	-0.75	0.73	21
VINSON	9212	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.19	31	-1.01	0.83	27
WALTERS	9278	7	63.2	31	-1.4	85	19	36	23	112	9	55.5	-34.5	1.591	31	-1.65	0.5	27
WICHITA MT	9629	7	59.8	26	*****	82	17	37	22	148.5	*****	13	*****	1.98	31	-1	0.47	8
WILLOW	9668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.6	31	*****	1.05	27

**OCTOBER 1996 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)**

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
ADA	17	8	61.9	31	-1.7	83	2	36	18	121	-7	25.5	-58.5	1.93	31	-2.31	1.02	23
ALLEN	147	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.41	16	*****	0.85	31
ARDMORE	292	8	65.2	31	-0.9	85	2	41	22	66	-13	73.5	-39.5	3.54	31	-0.3	0.9	30
ATOKA DAM	394	8	63.3	23	*****	84	3	40	23	76	*****	36	*****	1.392	29	*****	0.73	22
BOKCHITO	917	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.35	31	*****	3.46	21
CENTRAHOMA	1648	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.9	31	*****	1.8	21
CHICKASAW	1745	8	61.4	28	*****	84	3	33	24	131	*****	29	*****	3.19	31	-1.33	2.01	21
COMANCHE	2054	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.87	31	-2.3	0.35	22
DAISY	2354	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.281	31	-0.23	1.67	22
DUNCAN	2660	8	62.4	31	-0.8	84	3	37	23	122	0	41	-25	3.001	31	-0.36	2.25	21
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.62	31	*****	1.7	21
GRADY	3688	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.28	31	*****	1	22
HEALDTON	4001	8	63	31	-1	83	16	38	18	102	0	39	-32	1.93	31	-1.65	0.8	21
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.59	31	*****	3.56	21
KETCHUM RAN	4780	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.95	31	*****	1.45	21
KINGSTON	4865	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4	31	-0.27	1.95	21
LEHIGH	5108	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.304	31	*****	1.3	21
LINDSAY	5216	8	63.6	31	0.2	83	16	36	23	98.5	-11.5	54	-6	1.45	31	-2.2	0.72	27
LOCO	5247	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.69	31	*****	0.64	22
MADILL	5468	8	62.1	31	-2.9	83	2	30	18	123	34	33	-56	3.231	31	-1.07	0.94	26
MARIETTA	5563	8	64.3	31	-0.9	89	27	37	23	84.5	1.5	64	-26	3.17	31	-0.53	2.35	28
MARLOW	5581	8	62.5	31	-0.9	84	20	31	23	124.5	6.5	46	-22	1.031	31	-2.55	0.36	21
MCGEE CREEK	5713	8	62.4	31	*****	84	3	35	23	115	*****	33	*****	8.09	31	*****	4.28	22
PAULS VALLEY	6926	8	63.3	29	*****	84	16	33	18	100	*****	49.5	*****	1.08	31	-2.85	0.7	21
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.31	31	0.1	2.18	20
TISHOMINGO	8884	8	63.8	31	-0.4	87	9	32	23	119	20	82	8	6.08	31	1.71	2.8	20
TUSSY	9032	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.201	31	*****	2.08	21
WAURIKA	9395	8	63.6	31	-1.5	85	2	36	23	101	15	58	-31	1.261	31	-1.7	0.37	21
WAURIKA DAM	9399	8	62.9	21	*****	86	21	36	23	79.5	*****	34.5	*****	1.321	29	*****	0.6	21

### OCTOBER 1996 SUMMARY FOR SOUTHEAST DIVISION (CD9)

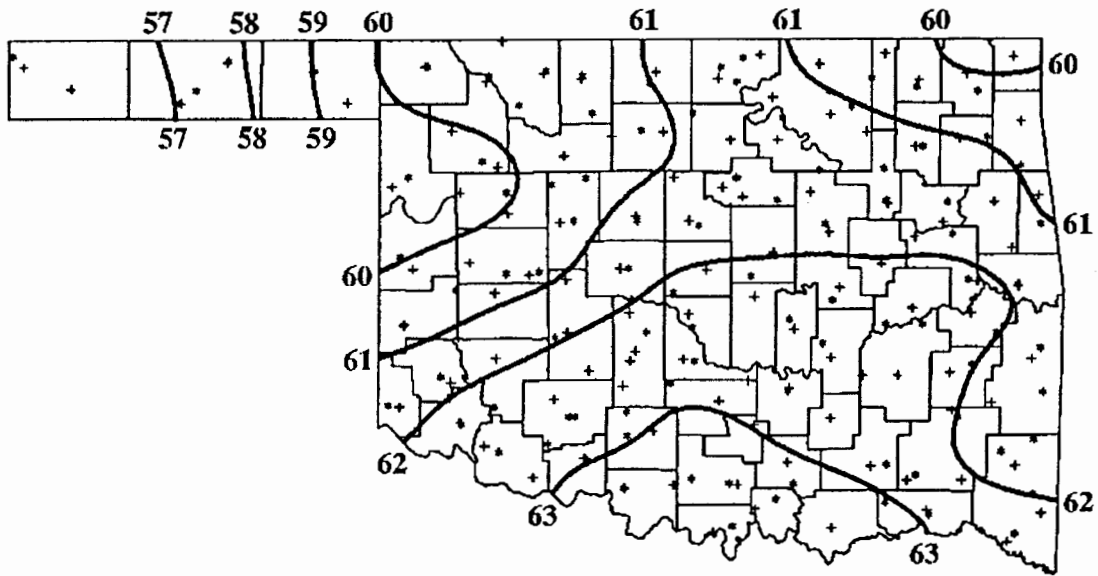
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ANTLERS	256	9	63.1	31	-0.2	88	27	34	23	105	-15	45.5	-21.5	*****	0	*****	*****	0
BATTIEST	567	9	59.3	31	*****	81	27	29	23	194	*****	17.5	*****	6.15	31	*****	2.4	28
BEAR MT	584	9	62.5	23	*****	86	3	35	24	90	*****	32.5	*****	5.32	31	1.01	2.77	22
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.531	31	*****	1.95	22
BOSWELL	980	9	63.2	31	-0.6	83	27	37	19	99	-7	44	-25	8.86	31	4.67	3.55	21
BROKEN BOW	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.12	31	-0.21	2.74	22
BROKEN BOW D	1168	9	61.7	31	-0.9	86	28	32	24	131.5	0.5	30.5	-26.5	6.711	31	2.39	3.66	21
CARNASAW	1499	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.52	31	0.92	3.4	22
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.13	31	1.07	2.89	22
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.97	31	0.08	1.71	22
HEAVENER	4008	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.71	31	1.64	1.93	31
HUGO	4384	9	63.8	30	-1	87	3	39	19	91	-1	54.5	-31.5	6.95	31	2.71	2.3	28
IDABEL	4451	9	61.3	31	-2.1	85	28	35	24	147.5	32.5	31.5	-33.5	5.083	31	0.61	2.84	22
PINE CREEK	7080	9	61.9	22	*****	88	8	26	18	101	*****	32.5	*****	5.291	31	*****	2.09	22
POTEAU	7254	9	61.5	31	*****	86	27	33	19	135	*****	25.5	*****	5.322	31	*****	1.84	21
SMITHVILLE	8285	9	60.1	31	-1	83	2	29	19	172	12	20	-19	6.353	31	0.8	3.4	28
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.73	31	-1.09	1.55	22
TUSKAHOMA	9023	9	63.2	31	-0.6	85	2	32	19	115	7	59.5	-10.5	4.73	31	0.52	2.04	28
VALLIANT	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.84	31	0.84	1.96	22
WILBURTON	9634	9	62.1	31	-0.2	84	2	33	19	125	-15	35	-22	5.31	31	1	1.92	21
WISTER	9719	9	65.6	28	*****	87	28	39	19	62	*****	79.5	*****	4.18	28	*****	1.83	28

### OCTOBER 1996 CLIMATE DIVISION SUMMARY

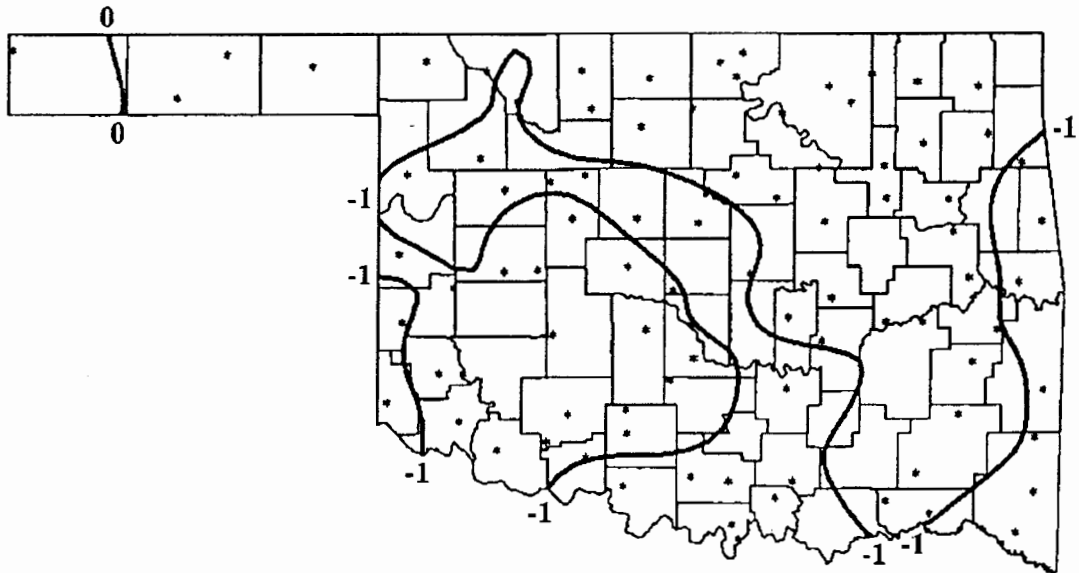
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1	57.9	9	-0.5	92	2	21	22	244.2	13.4	23.9	-2.3	0.68	13	-0.61	0.65	21
2	60.6	12	-0.5	87	14	29	25	175.3	11.6	39.4	-2.8	2.38	23	0.06	2.8	27
3	60.8	15	-0.3	86	2	30	31	163.3	-2.3	33.9	-12.6	3.89	25	0.47	3.16	28
4	60.4	9	-0.9	88	17	32	21	171.3	16.7	30.3	-11.6	1.83	21	-0.38	2.27	27
5	61.8	14	-0.9	85	16	31	23	140.4	12.6	42	-15.2	2.32	37	-0.93	2.45	26
6	61.8	9	-1	85	3	30	18	133.9	0.5	33.7	-29.3	2.33	28	-1.79	2.38	31
7	62.6	10	-0.7	89	20	33	23	120.5	2.1	47.8	-18.8	1.59	21	-1.06	1.5	27
8	63.2	11	-0.9	89	27	30	18	107	2.4	49.9	-26.2	3.24	26	-0.63	4.28	22
9	61.9	10	-1.3	88	8	26	18	131.5	11.4	36.3	-30.1	5.4	19	1.03	3.66	21

MESONET MONTHLY SUMMARY FOR OCT 1996

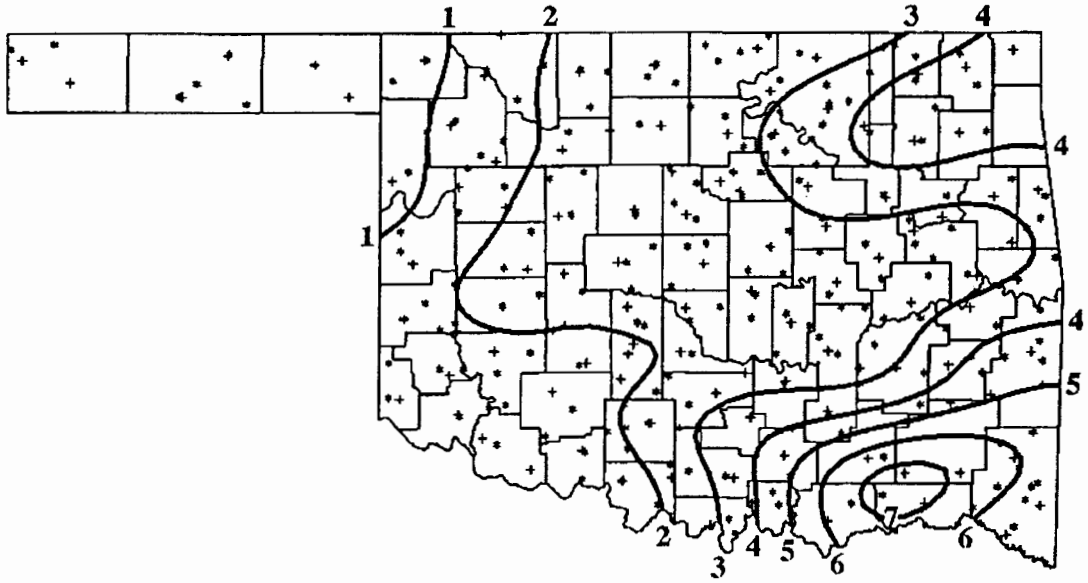
NAME	MEAN MAX		MIN		HDD		TOT		MAX		NAME	MEAN MAX		MIN		HDD		TOT		MAX												
	TEMP	TEMP	DAY	TEMP	DAY		CDD	PPT	DLY	DAY		TEMP	TEMP	DAY	TEMP	DAY		CDD	PPT	DLY	DAY											
PANHANDLE																																
ARNETT	60.1	89	16	33	18	191	39	.39	.19	29	GOODWELL	56.1	90	1	28	18	297	21	.97	.36	28											
BEAVER	60.0	91	16	27	18	219	63	.75	-.51	21	HOOVER	58.7	93	1	28	18	245	51	1.26	.65	28											
BOISE CITY	55.4	92	12	22	22	317	19	.40	.30	22	KENTON	55.1	91	11	16	22	324	18	.35	.15	22											
BUFFALO	61.0	91	16	34	18	182	58	.57	.35	29	SLAPOUT	59.6	91	16	31	18	214	47	.72	.45	29											
NORTH CENTRAL																																
ALVA	59.9	86	13	36	31	195	37	2.53	.90	7	MAY RANCH	59.2	85	13	33	31	213	33	1.35	.55	7											
BLACKWELL	61.7	86	13	36	23	162	58	*****	*****	0	MEDFORD	61.2	86	16	35	23	173	54	1.98	.63	27											
BRECKENRIDGE	61.8	86	13	37	31	161	62	2.39	.81	27	NEWKIRK	60.6	85	16	34	18	184	49	3.25	1.39	27											
CHEROKEE	59.9	83	13	35	23	195	37	3.38	1.29	26	RED ROCK	61.6	85	13	36	23	161	56	2.77	.71	27											
FAIRVIEW	60.5	85	13	36	21	186	46	1.58	.53	27	SEILING	61.0	86	16	33	21	171	48	2.09	.69	7											
FREEDOM	61.0	89	16	34	18	178	55	1.23	.51	7	WOODWARD	60.5	86	13	33	18	182	43	.83	.42	7											
LAHOMA	60.7	85	16	37	31	179	46	2.71	1.44	27	NORTHEAST																					
BIXBY	61.0	82	13	34	18	162	38	4.99	1.58	27	NOWATA	60.3	83	13	31	18	187	42	4.75	1.71	27											
BURBANK	60.0	83	13	35	22	192	38	2.49	.81	27	PAWNEE	62.2	86	13	35	18	148	61	2.73	.74	20											
CLAREMORE	62.0	87	15	34	18	151	57	6.96	3.29	27	PRYOR	61.1	84	16	32	18	162	43	4.49	1.29	27											
COPAN	60.0	83	13	33	22	190	33	1.24	.96	22	SKIATOOK	62.3	85	13	35	22	143	58	4.55	2.09	27											
FORAKER	61.0	86	13	34	22	175	51	2.95	.76	27	TULLAHASSEE	61.8	83	2	37	18	144	45	2.87	1.16	31											
JAY	60.6	83	16	32	18	173	36	*****	*****	0	VINITA	58.8	81	16	32	18	206	15	4.59	2.93	27											
MIAMI	59.1	81	13	32	18	201	18	5.18	3.11	27	WYNONA	62.3	87	16	35	22	145	61	3.31	1.47	27											
WEST CENTRAL																																
BESSIE	61.9	86	16	36	31	150	53	*****	*****	0	PUTNAM	60.0	84	13	33	21	193	36	1.71	.50	26											
BUTLER	61.2	88	16	34	18	168	50	*****	*****	0	RETROP	60.8	84	16	35	31	166	36	1.65	1.10	27											
CAMARGO	58.9	85	16	33	18	212	21	1.35	.41	27	WATONGA	59.9	81	13	35	31	191	32	2.41	1.11	27											
CHEYENNE	59.6	86	16	33	21	196	28	1.50	.37	29	WEATHERFORD	59.2	81	16	35	31	202	22	2.59	1.55	27											
ERICK	59.8	86	16	32	18	195	34	2.02	.90	27	CENTRAL																					
ACME	63.7	85	13	34	18	120	81	1.38	.85	27	MINCO	62.1	84	16	37	31	142	52	3.27	.95	27											
BOWLEGS	62.8	85	16	38	23	123	54	1.79	.63	21	NINNEKAH	63.2	85	16	36	23	123	66	2.57	1.11	27											
BRISTOW	62.2	86	16	34	18	146	59	2.64	.86	31	NORMAN	63.3	84	13	39	18	121	69	2.13	.81	31											
CHANDLER	61.4	82	13	35	18	152	40	3.66	1.78	27	OILTON	61.7	86	16	31	18	160	59	3.80	1.44	27											
CHICKASHA	62.7	86	16	35	23	134	64	2.30	.81	31	OKEMAH	62.8	84	2	36	18	121	54	2.78	1.07	31											
EL RENO	61.5	85	13	33	18	161	53	2.02	.71	27	PERKINS	60.9	83	13	35	18	168	41	2.14	.59	7											
GUTHRIE	63.0	86	16	37	18	135	72	2.19	.59	7	SHAWNEE	62.8	83	2	38	18	125	56	2.59	.97	31											
KINGFISHER	61.3	84	13	38	23	167	52	4.38	1.79	27	SPENCER	63.9	85	13	35	18	120	85	3.33	1.30	31											
MARENA	60.9	83	13	37	18	168	42	2.33	.59	20	STILLWATER	60.6	83	13	36	18	178	42	2.59	.99	20											
MARSHALL	60.4	83	13	34	18	183	42	1.38	.43	7	WASHINGTON	62.4	83	2	39	31	129	49	1.15	.57	31											
EAST CENTRAL																																
CALVIN	63.3	89	2	37	18	112	59	2.43	1.18	31	SALLISAW	63.0	86	2	37	18	119	58	4.26	2.12	31											
COOKSON	61.7	84	2	30	18	151	50	3.01	1.34	31	STIGLER	62.5	85	2	36	18	124	48	2.93	1.38	31											
EUFULA	63.5	84	2	37	18	109	63	2.86	1.96	31	STUART	62.7	84	2	38	18	121	48	2.36	.67	31											
HASKELL	62.0	83	2	35	18	134	42	1.08	.71	21	TAHLEQUAH	61.8	84	2	30	18	153	52	2.67	1.15	31											
MCALESTER	62.3	84	2	34	18	133	48	2.05	.76	31	WEBBERS FALLS	63.5	88	27	34	18	119	71	2.82	1.64	31											
OKMULGEE	60.7	84	2	34	18	162	29	2.85	1.16	31	WESTVILLE	61.2	82	2	33	18	154	36	3.51	1.68	31											
SOUTHWEST																																
ALTUS	61.8	85	16	34	23	143	45	1.00	.48	20	HOLLIS	61.1	88	16	31	23	164	43	1.85	1.02	27											
APACHE	62.4	84	13	36	18	136	56	1.05	.36	21	MANGUM	60.9	86	16	31	23	160	33	1.29	.85	27											
FORT COBB	62.8	85	13	37	18	125	58	1.37	.35	27	MEDICINE PARK	63.8	84	13	38	31	102	65	1.66	.57	21											
GRANDFIELD	63.0	86	20	35	23	125	62	1.14	.48	21	TIPTON	62.9	87	20	34	18	128	64	1.06	.39	27											
HINTON	60.2	82	13	35	18	181	33	1.42	.45	7	WALTERS	62.9	86	20	37	23	122	58	1.39	.41	20											
HOBART	61.0	83	16	34	23	164	39	2.22	.81	7	SOUTH CENTRAL																					
ADA	62.6	85	2	36	18	117	43	2.78	.95	21	LANE	63.7	85	2	36	23	99	60	8.48	3.23	20											
ARDMORE	64.8	87	2	40	23	86	78	3.02	1.01	20	MADILL	65.1	86	2	38	23	83	87	2.26	.82	27											
BURNEYVILLE	62.6	83	2	35	18	120	44	2.58	1.15	27	PAULS VALLEY	64.1	86	2	37	23	101	74	2.61	1.14	31											
BYARS	62.2	82	2	38	23	129	42	2.81	1.33	31	RINGLING	63.4	84	2	35	23	108	58	2.24	.70	20											
CENTRAHOMA	61.8	83	2	33	23	134	34	3.48	1.36	20	SULPHUR	62.9	85	2	36	18	119	53	4.37	2.77	20											
DURANT	64.7	85	2	39	23	75	66	6.76	4.09	21	TISHOMINGO	61.8	84	2	36	19	125	27	5.04	2.22	20											
KETCHUM RANCH	62.4	83	16	36	23	131	51	4.03	1.62	20	WAURIKA	63.4	85	20	36	23	111	62	1.42	.42	31											
SOUTHEAST																																
ANTLERS	61.0	84	2	30	23	154	30	11.12	5.80	21	IDABEL	63.1	85	27	36	19	113	53	4.83	3.98	21											
BROKEN BOW	64.1	88	27	33	23	101	73	5.21	4.00	21	MT HERMAN	62.5	84	2	32	23	127	50	5.97	3.52	21											
CLAYTON	62.4	85	27	34	19	123	42	5.47	2.05	27	TALIHINA	62.8	88	2	32	19	125	58	5.50	2.24	27											
CLOUDY	61.2	84	2	34	19	151	33	8.85	4.64	21	WILBURTON	61.7	89	2	34	23	140	38	3.45	1.59	21											
HUGO	64.2	87	27	40	19	82	57	7.61	3.80	21	WISTER	61.5	84	2	33	19	137	29	5.06	2.05	21											



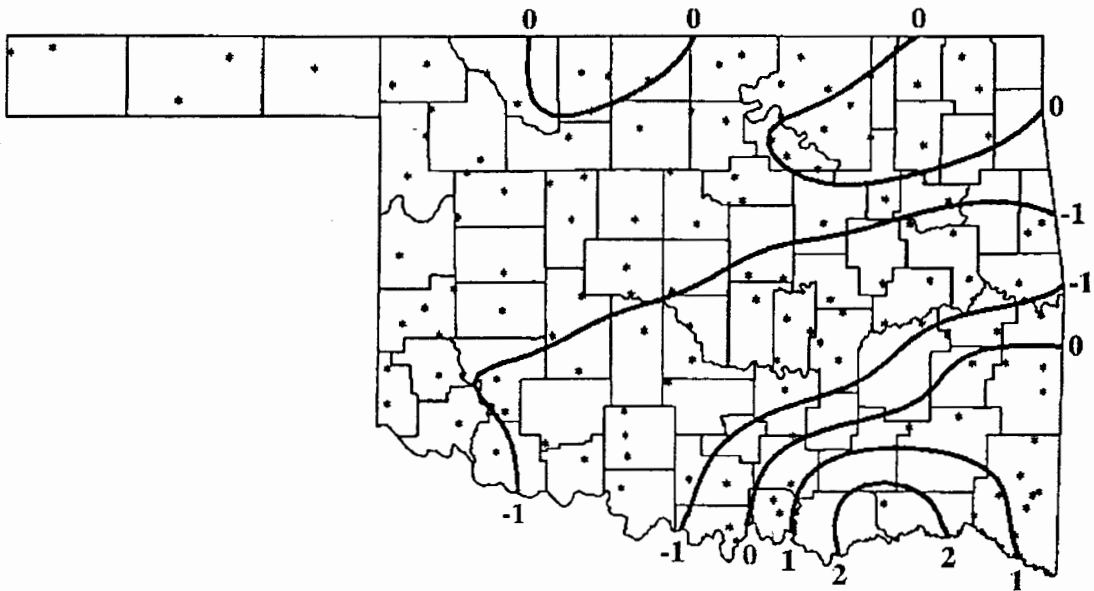
OCTOBER 1996 AVERAGE MONTHLY TEMPERATURE  
(DEGREES F)



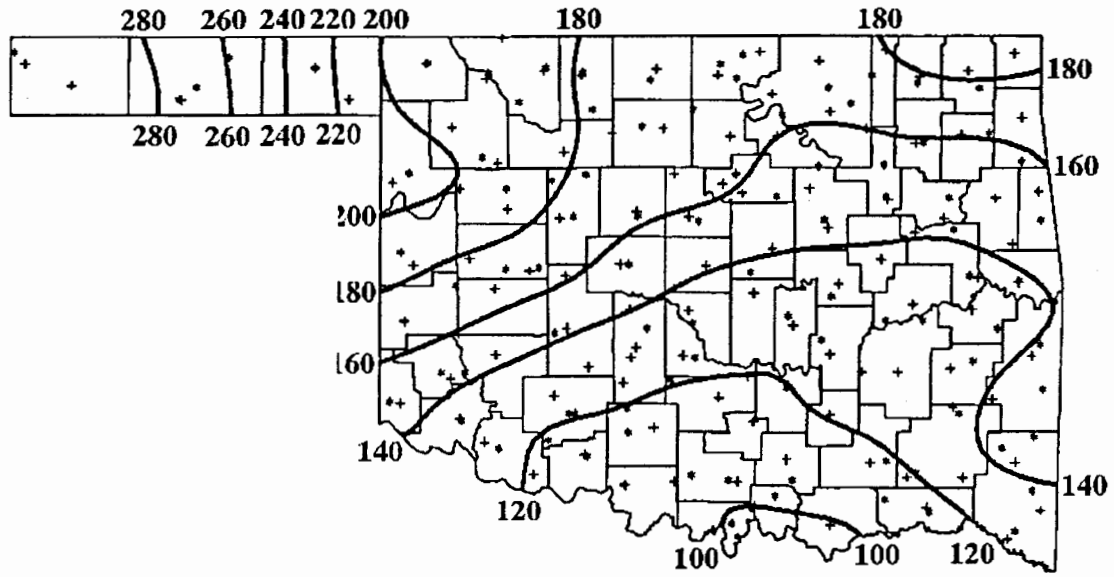
OCTOBER 1996 DEVIATION FROM NORMAL TEMPERATURES  
(DEGREES F)



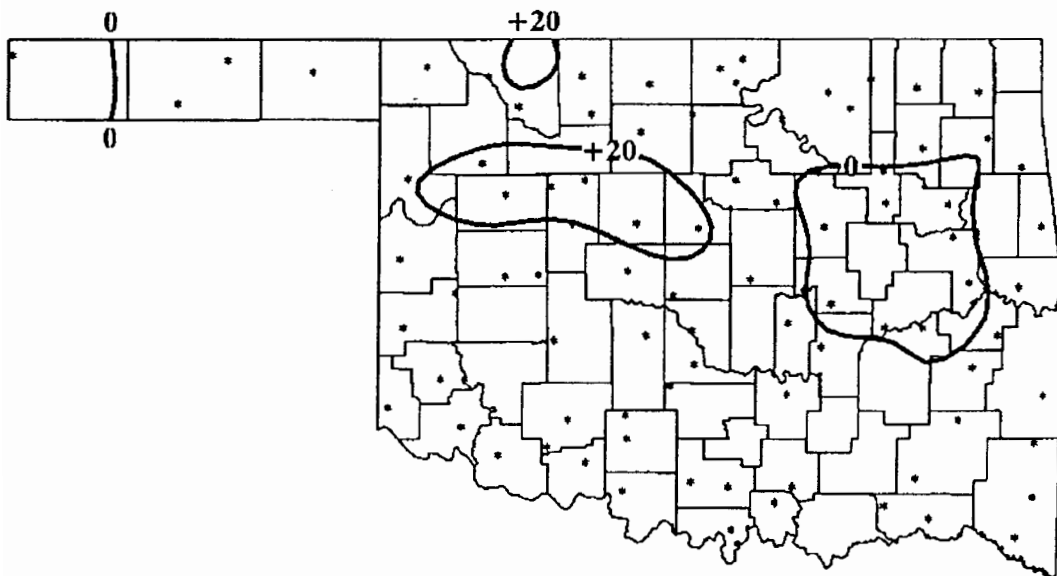
OCTOBER 1996 TOTAL PRECIPITATION  
(INCHES)



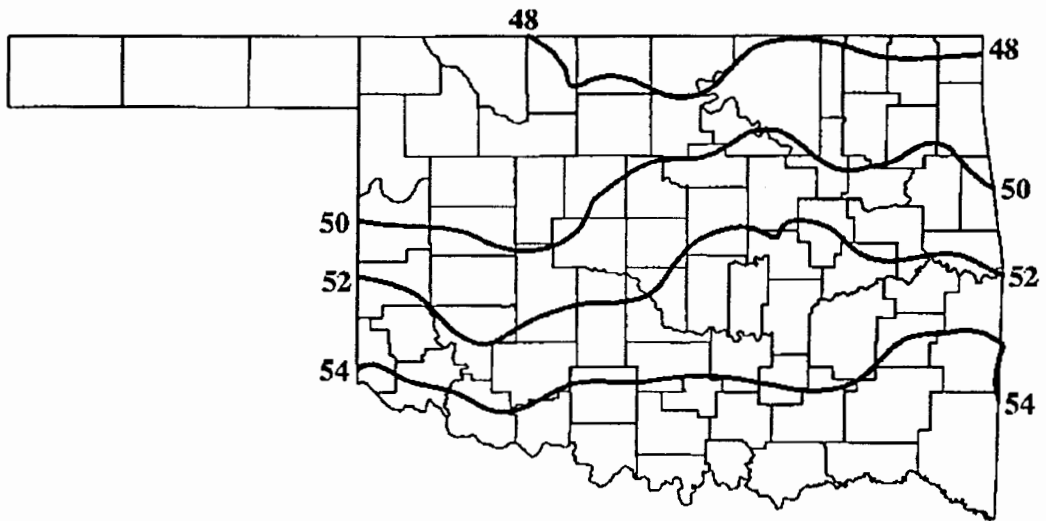
OCTOBER 1996 DEVIATION FROM NORMAL PRECIPITATION  
(INCHES)



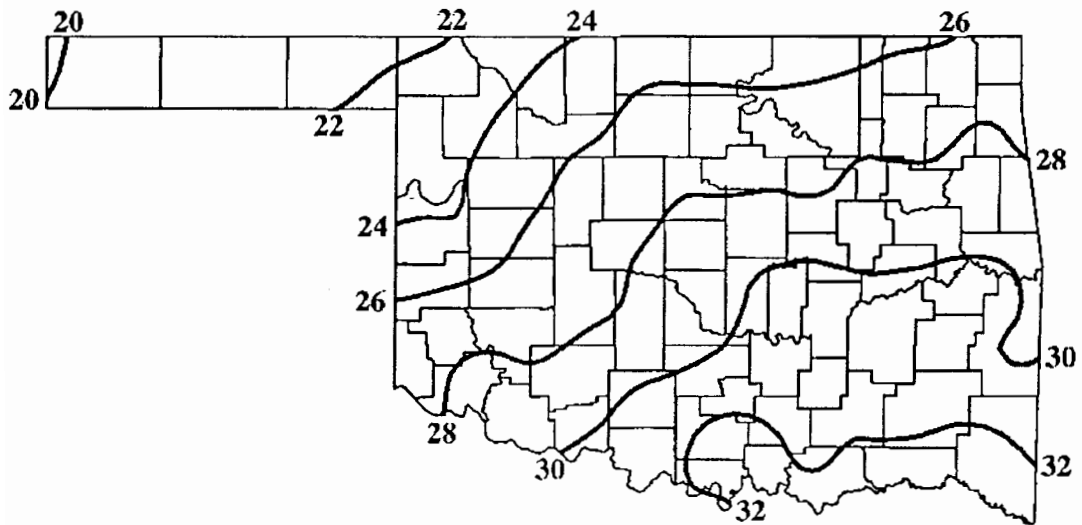
OCTOBER 1996 HEATING DEGREE DAYS



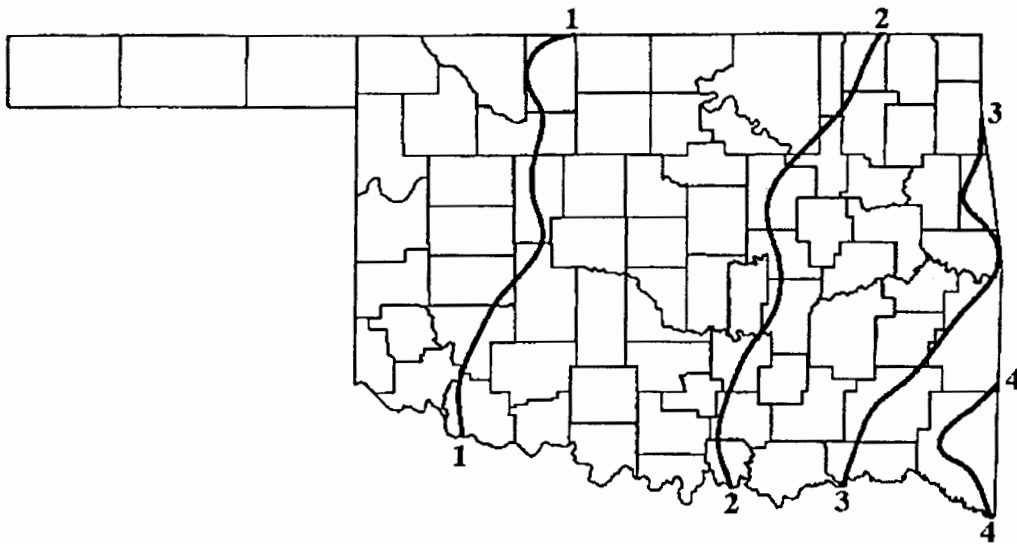
OCTOBER 1996 DEVIATION FROM NORMAL HEATING DEGREE DAYS



DECEMBER NORMAL DAILY MAXIMUM TEMPERATURE (°F)



DECEMBER NORMAL DAILY MINIMUM TEMPERATURE (°F)

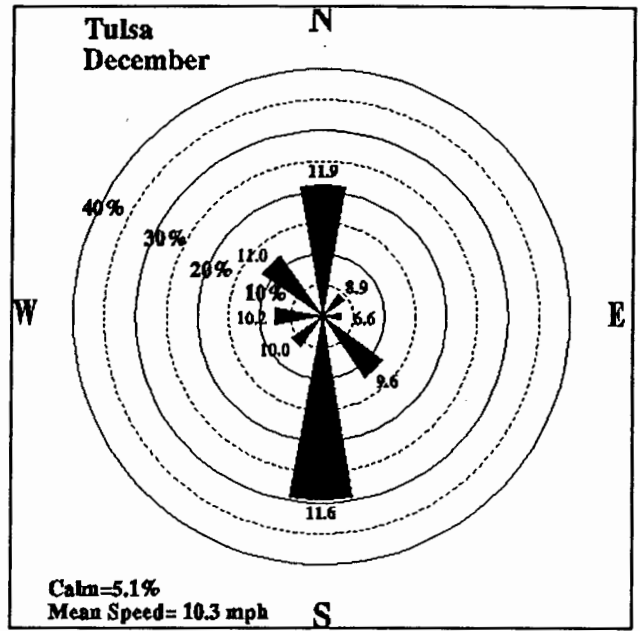
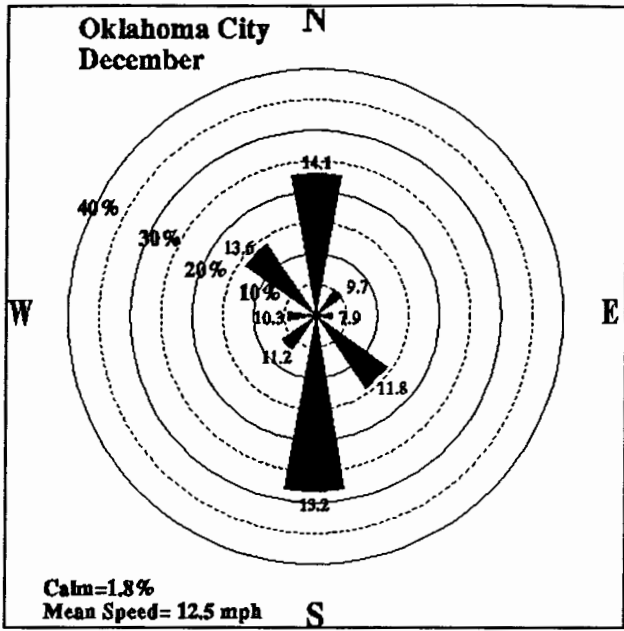


**DECEMBER NORMAL MONTHLY PRECIPITATION (inches)**

**OUTLOOK FOR DECEMBER 1996 THROUGH FEBRUARY 1997**  
BASED ON SEASONAL OUTLOOKS PROVIDED BY THE CLIMATE PREDICTION CENTER

**TEMPERATURE: Near Normal North  
Above Normal Elsewhere**  
**PRECIPITATION: Greater than Normal Statewide**





**December 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.

**DECEMBER 1996 SUNRISE AND SUNSET**

**OKLAHOMA CITY**

**TULSA**

DATE	SUNRISE	SUNSET	DAYLIGHT
9612 1	7:20AM	5:21PM CST	10 hrs 0 mins
9612 2	7:21AM	5:21PM CST	10 hrs 0 mins
9612 3	7:22AM	5:20PM CST	9 hrs 59 mins
9612 4	7:23AM	5:20PM CST	9 hrs 58 mins
9612 5	7:23AM	5:20PM CST	9 hrs 57 mins
9612 6	7:24AM	5:20PM CST	9 hrs 56 mins
9612 7	7:25AM	5:20PM CST	9 hrs 55 mins
9612 8	7:26AM	5:21PM CST	9 hrs 55 mins
9612 9	7:27AM	5:21PM CST	9 hrs 54 mins
961210	7:27AM	5:21PM CST	9 hrs 54 mins
961211	7:28AM	5:21PM CST	9 hrs 53 mins
961212	7:29AM	5:21PM CST	9 hrs 53 mins
961213	7:29AM	5:21PM CST	9 hrs 52 mins
961214	7:30AM	5:22PM CST	9 hrs 52 mins
961215	7:31AM	5:22PM CST	9 hrs 51 mins
961216	7:31AM	5:22PM CST	9 hrs 51 mins
961217	7:32AM	5:23PM CST	9 hrs 51 mins
961218	7:32AM	5:23PM CST	9 hrs 51 mins
961219	7:33AM	5:23PM CST	9 hrs 50 mins
961220	7:33AM	5:24PM CST	9 hrs 50 mins
961221	7:34AM	5:24PM CST	9 hrs 50 mins
961222	7:34AM	5:25PM CST	9 hrs 50 mins
961223	7:35AM	5:25PM CST	9 hrs 50 mins
961224	7:35AM	5:26PM CST	9 hrs 50 mins
961225	7:36AM	5:26PM CST	9 hrs 51 mins
961226	7:36AM	5:27PM CST	9 hrs 51 mins
961227	7:36AM	5:27PM CST	9 hrs 51 mins
961228	7:37AM	5:28PM CST	9 hrs 51 mins
961229	7:37AM	5:29PM CST	9 hrs 52 mins
961230	7:37AM	5:29PM CST	9 hrs 52 mins
961231	7:37AM	5:30PM CST	9 hrs 52 mins

DATE	SUNRISE	SUNSET	DAYLIGHT
9612 1	7:15AM	5:12PM CST	9 hrs 57 mins
9612 2	7:16AM	5:12PM CST	9 hrs 56 mins
9612 3	7:17AM	5:12PM CST	9 hrs 55 mins
9612 4	7:18AM	5:12PM CST	9 hrs 54 mins
9612 5	7:19AM	5:12PM CST	9 hrs 53 mins
9612 6	7:19AM	5:12PM CST	9 hrs 52 mins
9612 7	7:20AM	5:12PM CST	9 hrs 52 mins
9612 8	7:21AM	5:12PM CST	9 hrs 51 mins
9612 9	7:22AM	5:12PM CST	9 hrs 50 mins
961210	7:22AM	5:12PM CST	9 hrs 50 mins
961211	7:23AM	5:12PM CST	9 hrs 49 mins
961212	7:24AM	5:12PM CST	9 hrs 48 mins
961213	7:25AM	5:13PM CST	9 hrs 48 mins
961214	7:25AM	5:13PM CST	9 hrs 48 mins
961215	7:26AM	5:13PM CST	9 hrs 47 mins
961216	7:26AM	5:13PM CST	9 hrs 47 mins
961217	7:27AM	5:14PM CST	9 hrs 47 mins
961218	7:28AM	5:14PM CST	9 hrs 46 mins
961219	7:28AM	5:15PM CST	9 hrs 46 mins
961220	7:29AM	5:15PM CST	9 hrs 46 mins
961221	7:29AM	5:15PM CST	9 hrs 46 mins
961222	7:30AM	5:16PM CST	9 hrs 46 mins
961223	7:30AM	5:16PM CST	9 hrs 46 mins
961224	7:31AM	5:17PM CST	9 hrs 46 mins
961225	7:31AM	5:17PM CST	9 hrs 46 mins
961226	7:31AM	5:18PM CST	9 hrs 47 mins
961227	7:32AM	5:19PM CST	9 hrs 47 mins
961228	7:32AM	5:19PM CST	9 hrs 47 mins
961229	7:32AM	5:20PM CST	9 hrs 48 mins
961230	7:32AM	5:20PM CST	9 hrs 48 mins
961231	7:33AM	5:21PM CST	9 hrs 48 mins

OKLAHOMA CITY CLIMATE CALENDAR

DECEMBER

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
55.1 33.4 20.2 0 0 0	max min PPT RPT CDD	65.9 33.4 20.7 0 0 0	max min PPT RPT CDD	59.3 32.7 21 0 0 0	max min PPT RPT CDD	55.5 33.7 20 0 0 0	max min PPT RPT CDD	66.3 33.9 20 0 0 0	max min PPT RPT CDD	52.2 32.7 23 0 0 0	max min PPT RPT CDD	52.3 30.4 24 0 0 0	max min PPT RPT CDD
76-1982 20-1986 12-1986 57-1993 80-1913	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	77-1975 22-1913 10-1885 66-1961 156-1953	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	77-1916 16-1987 5-1987 64-1913 139-1947	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	78-1984 25-1972 6-1987 53-1913 229-1930	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	77-1975 31-1992 4-1950 69-1960 100-1935	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	77-1975 19-1972 4-1950 65-1990 2-78-1992	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	80-1906 19-1909 4-1960 64-1994 123-1990	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt
49.7 29.0 0.7 25 0	max min PPT RPT CDD	48.9 28.6 0.1 26 0	max min PPT RPT CDD	50.3 29.7 0.8 25 0	max min PPT RPT CDD	49.2 28.0 0.8 26 0	max min PPT RPT CDD	48.8 27.3 0.1 27 0	max min PPT RPT CDD	48.0 27.8 0.6 27 0	max min PPT RPT CDD	49.1 28.5 0.7 28 0	max min PPT RPT CDD
71-1970 17-1917 1-1917 61-1946 100-1906	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	78-1915 15-1919 3-1919 66-1946 159-1911	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	74-1986 22-1917 3-1919 66-1965 106-1990	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	78-1999 21-1961 5-1917 62-1946 117-1923	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	73-1979 17-1922 6-1992 45-1939 133-1992	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	76-1973 17-1922 4-1992 48-1929 130-1992	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	74-1923 10-1901 2-1901 64-1948 137-1992	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt
47.4 27.1 0.6 28 0	max min PPT RPT CDD	50.1 27.4 0.3 29 0	max min PPT RPT CDD	50.4 28.4 0.6 29 0	max min PPT RPT CDD	49.5 28.0 0.5 29 0	max min PPT RPT CDD	49.9 28.0 0.4 29 0	max min PPT RPT CDD	49.0 27.8 0.4 29 0	max min PPT RPT CDD	47.8 26.5 0.3 28 0	max min PPT RPT CDD
75-1946 19-1901 6-1989 59-1929 163-1994	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	78-1939 21-1932 7-1989 66-1929 99-1931	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	76-1939 21-1964 2-1979 46-1939 166-1969	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	69-1992 19-1993 4-1924 47-1999 220-1999	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	73-1979 8-1924 2-1924 64-1979 110-1987	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	75-1976 16-1924 8-1924 61-1990 85-1994	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	66-1996 11-1-993 2-1989 53-1994 125-1997	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt
49.8 27.8 0.3 26 0	max min PPT RPT CDD	49.8 28.8 0.3 29 0	max min PPT RPT CDD	49.1 27.1 0.9 27 0	max min PPT RPT CDD	47.9 26.7 0.3 28 0	max min PPT RPT CDD	49.7 27.9 0.2 26 0	max min PPT RPT CDD	49.5 28.4 0.4 26 0	max min PPT RPT CDD	48.4 28.7 0.5 26 0	max min PPT RPT CDD
75-1996 4-1989 -4-1989 65-1993 201-1992	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	77-1982 10-1982 -8-1999 67-1995 199-1992	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	66-1995 3-1993 0-1993 64-1993 147-1914	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	73-1922 13-1983 -1-1983 49-1995 126-1997	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	68-1968 19-1922 2-1992 69-1995 116-1940	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	75-1946 15-1994 3-1924 66-1946 106-1927	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	73-1947 21-1925 -1-1924 64-1994 186-1979	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt
48.8 28.0 0.4 27 0	max min PPT RPT CDD	45.0 26.3 0.3 29 0	max min PPT RPT CDD	45.4 25.7 0.9 29 0	max min PPT RPT CDD	45.7 26.7 0.3 29 0	max min PPT RPT CDD	49.7 27.9 0.2 26 0	max min PPT RPT CDD	49.5 28.4 0.4 26 0	max min PPT RPT CDD	48.4 28.7 0.5 26 0	max min PPT RPT CDD
77-1951 13-1917 3-1968 80-1992 23-1972	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	74-1951 14-1990 3-1960 65-1995 40-1999	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	80-1961 10-1927 1-1966 66-1995 206-1994	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	80-1961 10-1927 1-1966 66-1995 206-1994	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	80-1961 10-1927 1-1966 66-1995 206-1994	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	80-1961 10-1927 1-1966 66-1995 206-1994	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	80-1961 10-1927 1-1966 66-1995 206-1994	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt
Normal	29 Actual	Normal	30 Actual	Normal	31 Actual	Normal	25 Actual	Normal	26 Actual	Normal	27 Actual	Normal	28 Actual

DECEMBER AVERAGES

TEMPERATURE : 39.6°F  
 PRECIPITATION : 1.34"  
 HEATING DEGREE DAYS : 786  
 COOLING DEGREE DAYS : 0

TULSA CLIMATE CALENDAR

DECEMBER

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

Normal 1 Actual	Normal 2 Actual	Normal 3 Actual	Normal 4 Actual	Normal 5 Actual	Normal 6 Actual	Normal 7 Actual
55.0 MAX 34.0 MIN .02 PPT 20 CDD 0	56.0 MAX 34.0 MIN .03 PPT 20 CDD 0	58.0 MAX 33.0 MIN .04 PPT 20 CDD 0	55.0 MAX 34.0 MIN .05 PPT 20 CDD 0	56.0 MAX 34.0 MIN .07 PPT 20 CDD 0	51.0 MAX 31.0 MIN .06 PPT 24 CDD 0	52.0 MAX 31.0 MIN .04 PPT 24 CDD 0
Highest Max 77-1980 Lowest Max 26-1986 Lowest Min 14-1986 Highest Min 58-1982 Greatest ppt .54-1980	Highest Max 79-1985 Lowest Max 24-1988 Lowest Min 11-1988 Highest Min 66-1981 Greatest ppt .73-1983	Highest Max 77-1916 Lowest Max 23-1964 Lowest Min 15-1923 Highest Min 46-1982 Greatest ppt .64-1973	Highest Max 77-1906 Lowest Max 27-1972 Lowest Min 20-1946 Highest Min 56-1980 Greatest ppt .82-1980	Highest Max 77-1989 Lowest Max 32-1982 Lowest Min 10-1980 Highest Min 61-1989 Greatest ppt 1.11-1976	Highest Max 77-1989 Lowest Max 18-1972 Lowest Min 3-1959 Highest Min 64-1980 Greatest ppt 1.16-1974	Highest Max 80-1986 Lowest Max 28-1980 Lowest Min 4-1959 Highest Min 53-1981 Greatest ppt .77-1980
Normal 8 Actual	Normal 9 Actual	Normal 10 Actual	Normal 11 Actual	Normal 12 Actual	Normal 13 Actual	Normal 14 Actual
50.0 MAX 30.0 MIN .08 PPT 25 CDD 0	48.0 MAX 29.0 MIN .04 PPT 26 CDD 0	50.0 MAX 29.0 MIN .20 PPT 25 CDD 0	50.0 MAX 30.0 MIN .04 PPT 25 CDD 0	48.0 MAX 28.0 MIN .02 PPT 27 CDD 0	47.0 MAX 27.0 MIN .07 PPT 28 CDD 0	49.0 MAX 28.0 MIN .15 PPT 26 CDD 0
Highest Max 73-1981 Lowest Max 24-1978 Lowest Min -3-1917 Highest Min 46-1987 Greatest ppt 1.01-1986	Highest Max 75-1982 Lowest Max 23-1977 Lowest Min 0-1917 Highest Min 48-1982 Greatest ppt 1.12-1971	Highest Max 75-1929 Lowest Max 23-1972 Lowest Min 3-1919 Highest Min 64-1985 Greatest ppt 1.73-1980	Highest Max 76-1989 Lowest Max 26-1976 Lowest Min 4-1917 Highest Min 60-1981 Greatest ppt .46-1984	Highest Max 73-1984 Lowest Max 20-1982 Lowest Min 3-1982 Highest Min 44-1981 Greatest ppt .66-1981	Highest Max 80-1948 Lowest Max 22-1958 Lowest Min 4-1917 Highest Min 45-1985 Greatest ppt 2.39-1984	Highest Max 74-1983 Lowest Max 25-1983 Lowest Min 4-1959 Highest Min 64-1948 Greatest ppt 3.02-1971
Normal 15 Actual	Normal 16 Actual	Normal 17 Actual	Normal 18 Actual	Normal 19 Actual	Normal 20 Actual	Normal 21 Actual
48.0 MAX 28.0 MIN .04 PPT 27 CDD 0	50.0 MAX 30.0 MIN .05 PPT 26 CDD 0	50.0 MAX 29.0 MIN .28 PPT 25 CDD 0	49.0 MAX 29.0 MIN .04 PPT 26 CDD 0	50.0 MAX 29.0 MIN .11 PPT 26 CDD 0	49.0 MAX 28.0 MIN .06 PPT 27 CDD 0	48.0 MAX 27.0 MIN .03 PPT 27 CDD 0
Highest Max 77-1948 Lowest Max 19-1981 Lowest Min -1-1988 Highest Min 47-1987 Greatest ppt .54-1984	Highest Max 77-1988 Lowest Max 21-1988 Lowest Min 6-1988 Highest Min 48-1977 Greatest ppt .86-1981	Highest Max 76-1989 Lowest Max 23-1984 Lowest Min 2-1982 Highest Min 46-1987 Greatest ppt 1.06-1980	Highest Max 76-1989 Lowest Max 23-1981 Lowest Min 4-1984 Highest Min 44-1979 Greatest ppt .76-1986	Highest Max 76-1987 Lowest Max 9-1988 Lowest Min -1-1984 Highest Min 65-1979 Greatest ppt 1.90-1987	Highest Max 76-1986 Lowest Max 19-1983 Lowest Min 8-1984 Highest Min 49-1987 Greatest ppt 1.44-1981	Highest Max 76-1979 Lowest Max 17-1983 Lowest Min 0-1989 Highest Min 44-1979 Greatest ppt .47-1946
Normal 22 Actual	Normal 23 Actual	Normal 24 Actual	Normal 25 Actual	Normal 26 Actual	Normal 27 Actual	Normal 28 Actual
50.0 MAX 29.0 MIN .05 PPT 26 CDD 0	50.0 MAX 30.0 MIN .05 PPT 26 CDD 0	48.0 MAX 27.0 MIN .14 PPT 27 CDD 0	47.0 MAX 27.0 MIN .05 PPT 28 CDD 0	48.0 MAX 28.0 MIN .04 PPT 27 CDD 0	48.0 MAX 29.0 MIN .12 PPT 26 CDD 0	47.0 MAX 29.0 MIN .12 PPT 27 CDD 0
Highest Max 71-1982 Lowest Max 7-1988 Lowest Min -6-1988 Highest Min 65-1979 Greatest ppt 1.51-1986	Highest Max 79-1982 Lowest Max 6-1988 Lowest Min -6-1-989 Highest Min 60-1982 Greatest ppt .71-1973	Highest Max 80-1985 Lowest Max 6-1983 Lowest Min -2-1983 Highest Min 64-1982 Greatest ppt 2.80-1985	Highest Max 73-1982 Lowest Max 12-1983 Lowest Min -2-1983 Highest Min 61-1971 Greatest ppt 1.29-1987	Highest Max 69-1971 Lowest Max 23-1983 Lowest Min 6-1914 Highest Min 64-1971 Greatest ppt .97-1987	Highest Max 77-1946 Lowest Max 25-1983 Lowest Min 8-1982 Highest Min 47-1984 Greatest ppt 1.25-1984	Highest Max 74-1928 Lowest Max 25-1983 Lowest Min 0-1924 Highest Min 62-1984 Greatest ppt .95-1984
Normal 29 Actual	Normal 30 Actual	Normal 31 Actual	<p><b>DECEMBER AVERAGES</b></p> <p>TEMPERATURE : 39.8°F</p> <p>PRECIPITATION : 1.98"</p> <p>HEATING DEGREE DAYS : 781</p> <p>COOLING DEGREE DAYS : 0</p>			