

OKLAHOMA MONTHLY SUMMARY REVISED OCTOBER 2000

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MONTHLY SUMMARY FOR OCTOBER 2000

A series of widespread, heavy rain events during the last half of October effectively ended Oklahoma's two-and-one-half-month long summer drought. The heavy rains, evident everywhere except in the southeast, replaced drought and withering crops with floods and ground that was too wet to allow planting of winter wheat. The statewide averaged precipitation for the month, 6.49 inches, was 3.42 inches greater than normal, which ranks October 2000 as the 6th wettest of the 109 Octobers since reliable record keeping began in 1892. Most notably, the northwest climate division, comprising the Panhandle and two other counties, recorded nearly five times its normal October rainfall. Conversely, the southeast climate division only received 80 percent of its normal October precipitation.

The month offered a mixed bag of temperatures. Daily maximum temperatures in triple digits early in the month, including a state-record October high temperature, were swiftly replaced by an extremely early first-freeze that blanketed most of the state near the end of the month's first full week. Nonetheless, The statewide-averaged temperature for the month, 64.1 degrees, was 2.0 degrees greater than normal and ranks this as the 28th warmest October yet recorded.

The year-to-date statewide-averaged temperature of 65.3 degrees is 1.8 degrees greater than normal, giving 2000 the 13th warmest first ten months of any year since 1892. Precipitation, averaged across the state, has totaled 31.21 inches, 1.06 inches greater than normal and the state's 43rd greatest January-through-October precipitation.

The first few days of the month were much like the previous two months – hot, dry, and no relief in sight. Hollis (Harmon County) set a new state record for October by reaching a high temperature of 106 degrees on the 3rd. A surge of cold air cruised through the state beginning late on the 5th to provide relief from the heat and set the stage for the abrupt transition from drought to flood that was to follow. Most of the state experienced an extremely early freeze on the 9th, and the all but isolated reporting stations followed suit over the next two days. Hammon (Roger Mills), Canton Dam (Blaine), and the El Reno (Canadian) Mesonet site all recorded minimum temperatures of 16 degrees on the 9th. Low temperatures in the upper teens and lower 20s were commonplace for the next couple of days. Although temperatures moderated fairly rapidly and no further sub-freezing values were recorded after the 11th, significant damage was done to the state's pecan crop.

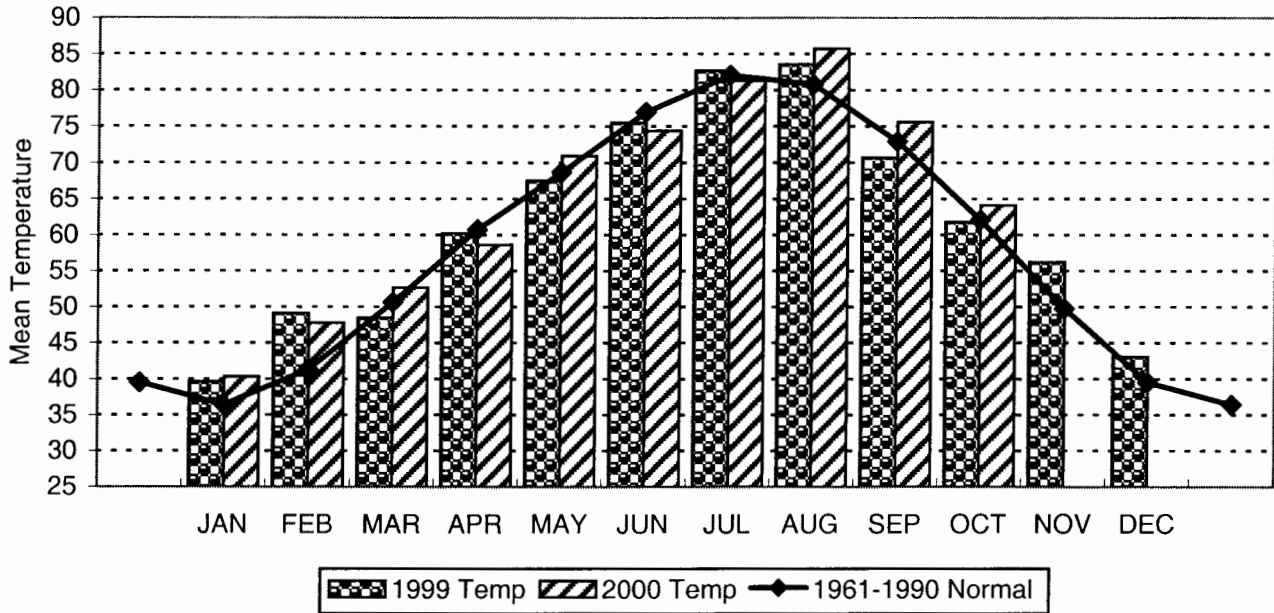
Although substantial rain, including 1.40 inches at Sallisaw (Sequoyah) from the 4th through the morning of the 6th, fell in several locations, they were not sufficient to bring to an end the drought that had caused agricultural losses (fall-harvested crops, forage, and livestock) as great as \$600 million dollars. The change that drove the drought into the history books began on the 15th. Precipitation reports on the 15th and 16th included 3.87 inches at Shawnee (Pottawatomie), 3.80 inches at the Chickasaw National Recreation Area at Sulphur (Murray), 3.39 inches at Norman (Cleveland), and 3.13 inches at the Lahoma Mesonet site (Garfield).

Abundant, and sometimes torrential, rain began falling, especially in parched southwest and south central Oklahoma, on the 20th. Successive rain-producing systems rolled through the state on what seemed like a daily basis from then through the 29th. Anadarko, Apache (both Caddo), and Chickasha (Grady) reported 9.15, 7.42, and 6.62 inches of rain, respectively on the 23rd, leading to serious flooding in those cities and lesser flooding downstream from them along East Cache Creek and the Washita River. Local flooding was reported in other locations and subsequent rains, particularly in northwestern Oklahoma led to local flooding in locations such as Woodward (Woodward, 5.92 inches on the 25th) and Arnett (Ellis, 5.55 inches, also on the 25th). By month's end, wheat producers who had been eagerly awaiting rain so they could begin fall planting were faced with the prospect of waiting for fields to dry before they could get into their fields.

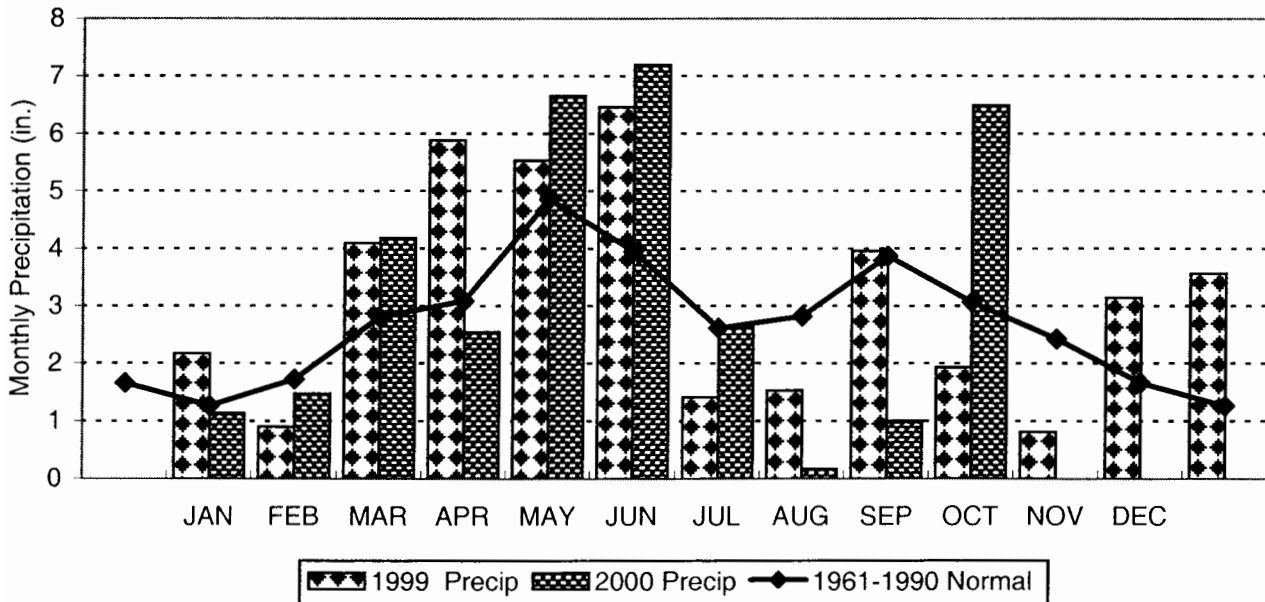
Severe weather even returned to the state with the new dominant weather regime. Small tornadoes were reported on the 21st (Cotton County near Walters) and 22nd (near Stonewall in Pontotoc County, southeastern Oklahoma City - one just southeast of downtown and one in Valley Brook, where F1 damage was reported -, and in Canadian County near Calumet). The Mesonet site at Boise City recorded a peak wind of 68 miles per hour on the 28th and the site at Woodward recorded a 66 mile-per-hour wind on the 24th.

Howard L. Johnson

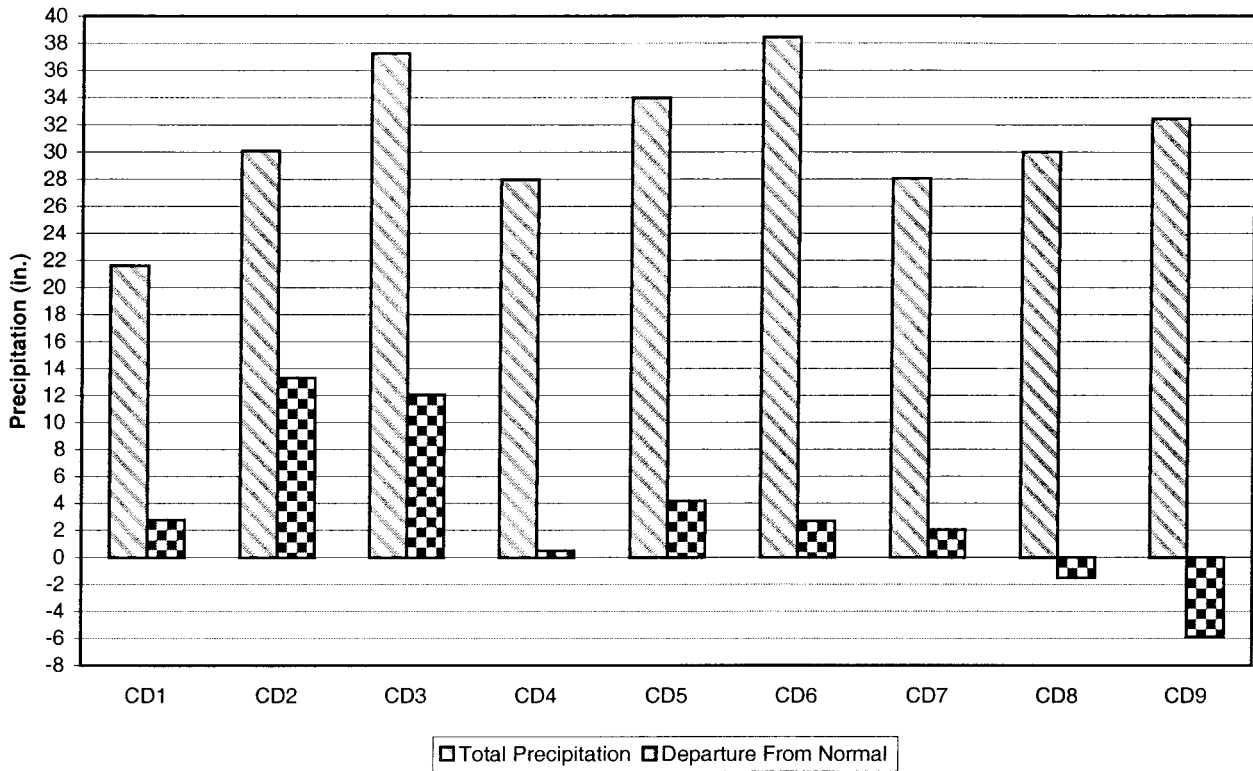
1999 and 2000 STATEWIDE TEMPERATURES Monthly Averages



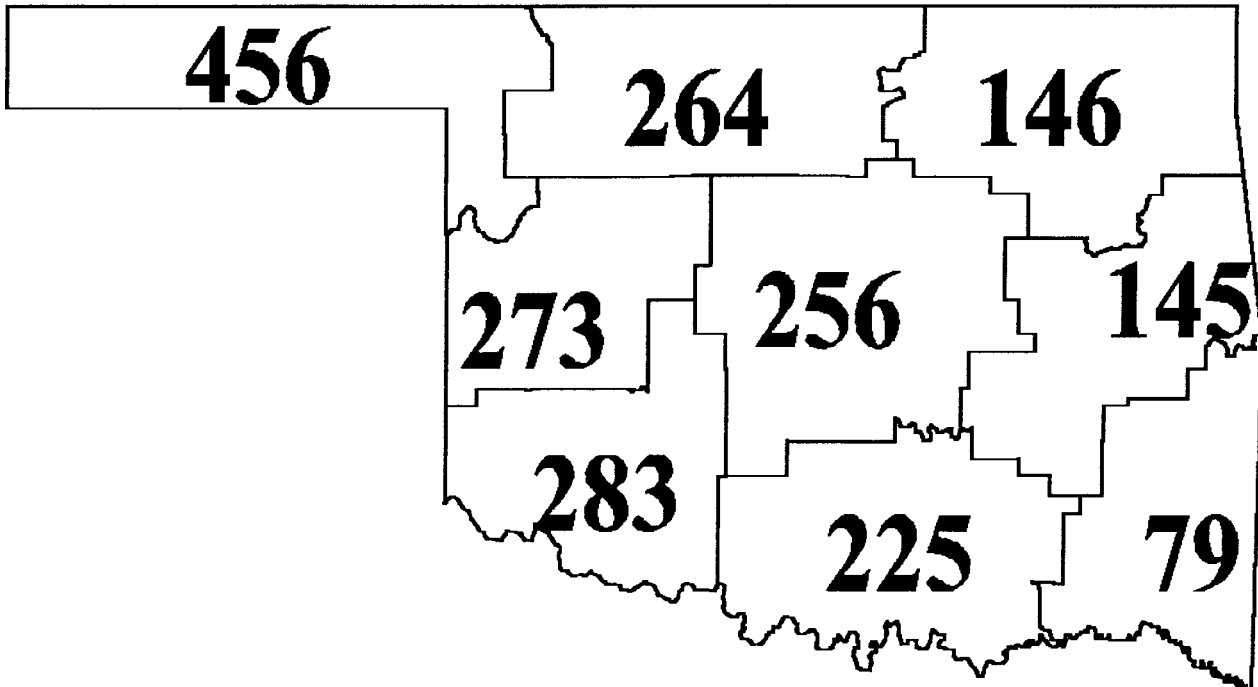
1999 and 2000 STATEWIDE PRECIPITATION Monthly Totals



CD Averaged Precipitation January through October 2000



CD PERCENT OF NORMAL PRECIPITATION OCTOBER 2000



**EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION
OCTOBER, 2000**

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	100	2	BUFFALO	22	10	ARNETT	5.55	25	ARNETT	11.30	ARNETT
				22	9	BUFFALO					
				22	9	GAGE					
2	99	4	GREAT SALT P	18	9	BILLINGS	5.92	25	WOODWARD	10.18	FREEDOM
				18	10	BILLINGS					
3	94	2	MANNFORD	17	9	BARTLESVILLE	2.64	16	WYNONA	7.64	WYNONA
	94	3	MANNFORD								
	94	3	RALSTON								
4	103	4	ELK CITY	16	9	CANTON DAM	5.00	28	REYDON	9.11	WEATHERFORD
				16	9	HAMMON					
				16	10	HAMMON					
5	98	4	GUTHRIE	19	9	GUTHRIE	6.62	23	CHICKASHA EX	15.80	STROUD
	98	5	GUTHRIE	19	10	GUTHRIE					
	98	4	HENNESSEY								
	98	3	KINGFISHER								
	98	4	KINGFISHER								
6	95	4	HOLDENVILLE	23	9	STILWELL	3.39	22	HOLDENVILLE	8.35	DEWAR
7	106	3	HOLLIS	20	9	ANADARKO	9.15	23	ANADARKO	15.16	FREDERICK
				20	10	ANADARKO					
8	100	2	MARLOW	22	9	MARLOW	5.70	26	COMANCHE	14.75	COMANCHE
	100	3	MARLOW	22	9	PAULS VALLEY					
	100	4	MARLOW	22	10	PAULS VALLEY					
	100	2	WAURIKA								
	100	3	WAURIKA								
9	94	4	POTEAU	23	10	SMITHVILLE	1.35	30	VALLIANT	5.37	VALLIANT
	94	5	TUSKAHOMA	23	11	SMITHVILLE					

TABLE OF 1999/2000 COMPARISONS

**OCTOBER
Temperature (°F)**

**OCTOBER
Precipitation (in.)**

Station	1999	2000	1999	2000
Arnett	58.6	59.9	0.00	11.30
Enid	61.2	63.4	2.14	6.62
Tulsa	62.3	66.1	1.75	6.34
Elk City	61.0	62.4	0.80	3.78
Oklahoma City	62.7	64.1	2.22	8.40
McAlester	64.1	65.7	1.12	4.46
Altus Irr Station	62.1	64.6	3.05	7.95
Ardmore	68.1	68.5	2.78	11.26
Idabel	64.6	67.0	2.15	2.53

EXTREMES

VARIABLE	STATION	DIVISON	OBSERVATION	DATE
Minimum temperature (°F)	Canton Dam	4	16	9
	Hammon	4	16	9
	Hammon	4	16	10
Maximum temperature (°F)	Hollis	7	106	3
Maximum 24-hour Precipitation	Anadarko	7	9.15	23

OCTOBER 2000 SUMMARY FOR PANHANDLE CLIMATE DIVISION (CD1)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		DAY	MIN TEMP	DAY	HEAT		DEV		TOT PPT	NUM OBS	DEV		DAY
					FROM NORM	MAX TEMP				DEG DAY	FROM NORM	DEG DAY	FROM NORM			MAX 24-HR		
ARNETT	332	1	59.9	30	1.1	95	4	22	10	197	-27	45	14	11.302	31	9.47	5.55	25
BEAVER	593	1	59.9	31	2.3	98	2	27	9	194	-54	37	20	3.030	31	1.84	0.91	5
BOISE CITY	908	1	56.9	31	-0.3	96	3	30	7	285	31	35	22	5.772	31	4.91	2.96	24
BUFFALO	1243	1	69.6	31	8.0	100	2	22	9	104	-53	246	195	4.130	31	2.19	1.30	25
FARGO	3070	1	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	8.891	31	7.25	4.24	25
GAGE	3407	1	61.2	31	0.8	96	1	22	9	165	-20	49	7	7.892	31	6.33	2.52	24
GATE	3489	1	61.2	31	1.9	98	2	28	9	172	-34	53	25	10.561	31	9.15	4.18	25
GOODWELL	3628	1	58.9	31	2.1	98	2	30	8	217	-52	27	13	5.050	31	4.09	2.35	24
GUYMON	3835	1	58.4	24 *	****	98	2	31	9	192	*****	34	*****	3.380	24	*****	1.66	24
HOOKER	4298	1	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	*****	0	*****	*****	0
KENTON	4766	1	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	*****	0	*****	*****	0
LAVERNE	5045	1	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	4.242	31	2.83	1.36	25
RANGE	7412	1	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.147	31	*****	1.62	24
REGNIER	7534	1	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	4.344	31	3.58	1.75	24
TURPIN	9017	1	58.0	18 *	****	98	2	29	9	145	*****	19	*****	3.520	20	*****	1.94	24

OCTOBER 2000 SUMMARY FOR NORTH CENTRAL CLIMATE DIVISION (CD2)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		DAY	MIN TEMP	DAY	HEAT		DEV		TOT PPT	NUM OBS	DEV		DAY
					FROM NORM	MAX TEMP				DEG DAY	FROM NORM	DEG DAY	FROM NORM			MAX 24-HR		
ALVA	193	2	68.9	7 *	****	98	4	48	6	18	*****	46	*****	5.840	31	*****	1.74	20
VANCE AFB	302	2	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	4.232	31	*****	1.17	26
BILLINGS	755	2	63.1	31	2.2	94	4	18	10	145	-23	85	45	4.751	31	2.02	1.25	23
BLACKWELL 2E	818	2	62.9	23 *	****	95	4	25	10	114	*****	66	*****	5.160	31	2.46	1.29	23
BRAMAN	1075	2	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	4.850	31	*****	1.62	27
CEDARDALE	1620	2	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	4.880	31	*****	1.51	25
CHEROKEE	1724	2	60.8	31	-1.4	95	2	21	11	166	32	37	-11	7.882	31	5.97	1.28	23
ENID	2912	2	63.4	31	1.0	97	4	25	9	133	-5	82	26	6.622	31	3.51	1.59	15
FT SUPPLY	3304	2	60.3	31	1.4	96	2	19	8	186	-25	39	17	9.780	31	8.24	3.08	24
FREEDOM	3358	2	61.2	29 *	****	95	3	22	10	165	*****	56	*****	10.180	31	8.32	5.35	25
GREAT SALT P	3740	2	62.4	31	1.8	99	4	27	9	143	-35	61	20	5.330	31	3.27	2.26	26
HARDY	3909	2	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	6.341	31	*****	1.80	26
HELENA	4019	2	62.2	31	2.4	97	4	24	9	153	-40	66	35	5.820	31	3.73	1.28	26
JEFFERSON	4573	2	62.9	31	0.9	96	4	20	9	148	6	81	32	4.810	31	2.16	1.37	26
LAHOMA	4950	2	62.8	31 *	****	98	4	22	9	140	*****	72	*****	6.900	31	*****	1.90	15
LAMONT	5013	2	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	6.340	31	*****	1.68	26
MEDFORD	5768	2	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	5.572	31	*****	1.18	25
MORRISON	6065	2	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	8.070	31	*****	2.74	26
MUTUAL	6139	2	61.3	31	1.9	98	4	23	9	171	-33	57	28	4.540	31	2.86	1.08	16
NEWKIRK	6278	2	62.9	31	1.3	91	3	21	9	149	2	84	43	4.680	31	1.45	1.34	26
ORIENTA	6751	2	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	6.493	31	4.61	2.12	16
PERRY	7012	2	65.0	31	2.2	95	4	26	9	116	-12	117	58	4.720	31	1.94	2.30	16
PONCA CITY	7201	2	65.2	31	4.5	95	3	24	9	108	-63	114	76	4.262	31	1.34	0.92	25
RED ROCK	7505	2	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	5.152	31	2.36	1.53	25
WAYNOKA	9404	2	64.0	29 *	****	97	4	23	10	116	*****	86	*****	8.150	30	*****	2.05	15
WOODWARD	9760	2	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	9.192	31	7.32	5.92	25

OCTOBER 2000 SUMMARY FOR NORTHEAST CLIMATE DIVISION (CD3)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT		DEV		COOL		TOT PPT	NUM OBS	DEV		DAY
					FROM NORM	MAX TEMP			DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM			MAX 24-HR		
BARNSDALL	535	3	62.3	14 *	****	92	3	21	9	109	*****	71	*****	5.602	31	2.41	1.95	16	
BARTLESVILLE	548	3	64.0	31	2.4	93	3	17	9	135	-15	105	60	5.850	31	2.55	2.15	16	
BIXBY	782	3	64.4	31	3.9	93	4	26	9	120	-58	102	64	3.740	31	0.04	0.87	27	
BURBANK	1256	3	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	5.553	31	2.46	1.50	25	
CHELSEA	1717	3	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	4.110	31	*****	1.25	23	
CLAREMORE	1828	3	64.0	31	3.6	90	5	24	10	135	-46	103	64	4.070	31	0.51	1.58	23	
CLEVELAND 2	1902	3	60.3	25 *	****	87	1	23	9	135	*****	17	*****	4.701	31	*****	2.30	16	
FORAKER	3250	3	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	6.100	31	2.66	1.85	26	
HOLLOW	4258	3	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	4.351	31	0.72	1.03	16	
HOMINY	4289	3	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	5.633	31	2.67	2.28	16	
KANSAS	4672	3	63.1	27 *	****	87	4	28	9	126	*****	76	*****	1.883	31	-2.26	1.08	22	
LENAPAH	5118	3	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	6.080	31	*****	2.15	26	
MANNFORD	5522	3	64.8	31	2.7	94	3	21	9	119	-26	113	59	4.432	31	1.35	1.10	16	
MARAMEC	5540	3	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	4.320	31	1.30	1.95	16	
NOWATA	6485	3	65.7	31	4.4	92	2	24	9	109	-51	132	87	6.490	31	3.15	1.85	26	
PAWHUSKA	6935	3	65.2	31	4.0	92	3	22	9	118	-40	123	84	5.613	31	2.41	1.50	16	
PAWNEE	6940	3	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	6.720	31	3.89	2.32	16	
PRYOR	7309	3	64.2	31	4.2	91	4	26	11	127	-66	101	63	3.155	31	-0.65	1.15	23	
RALSTON	7390	3	63.5	31	1.9	94	3	18	9	135	-7	89	52	5.611	31	2.72	1.50	16	
SKIATOOK	8258	3	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	4.580	31	1.40	1.30	23	
SPAVINAW	8380	3	66.3	31	3.2	89	3	30	9	96	-31	136	68	2.610	31	-1.08	0.93	23	
TULSA	8992	3	66.1	31	3.9	92	4	28	9	102	-42	137	80	6.341	31	2.68	1.65	23	
UPPER SPAV	9101	3	64.6	31 *	****	90	3	28	10	123	*****	111	*****	2.073	31	*****	0.69	23	
VINITA	9203	3	64.1	30	3.6	87	4	24	8	127	-51	99	61	3.020	31	-0.82	1.11	23	
WAGONER	9247	3	65.4	30	2.5	90	4	27	10	109	-27	121	50	5.710	30	*****	2.22	26	
WANN	9298	3	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	5.664	31	*****	2.30	16	
WYNONA	9792	3	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	7.643	31	*****	2.64	16	

OCTOBER 2000 SUMMARY FOR WEST CENTRAL CLIMATE DIVISION (CD4)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT		DEV		COOL		TOT PPT	NUM OBS	DEV		DAY
					FROM NORM	MAX TEMP			DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM			MAX 24-HR		
CANTON DAM	1445	4	62.7	31	2.3	98	4	16	9	150	-29	79	43	8.401	31	6.38	2.61	16	
CLINTON	1909	4	63.6	30	1.1	100	4	22	9	118	-11	75	24	6.943	31	4.12	1.43	16	
COLONY	2039	4	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	7.914	31	*****	2.23	22	
CORDELL	2125	4	63.0	31	0.6	100	4	22	10	143	14	80	32	6.040	31	3.52	1.75	26	
ELK CITY	2849	4	62.4	31	0.9	103	4	26	10	148	-11	68	19	3.780	31	1.79	1.44	22	
ERICK	2944	4	62.4	31	0.9	102	4	22	10	146	4	66	33	3.610	31	1.45	1.24	22	
GEARY	3497	4	62.5	30	0.8	97	3	26	9	135	-17	61	12	8.850	31	6.61	3.80	22	
HAMMON	3871	4	61.1	28 *	****	100	4	16	10	161	*****	52	*****	3.820	31	1.84	1.59	16	
LEEDEY	5090	4	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	6.500	31	4.60	1.85	22	
MACKIE	5463	4	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	7.640	31	*****	3.60	25	
MORAVIA	6035	4	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.392	31	0.00	0.55	29	
OKEENE	6629	4	64.4	31	1.6	99	3	22	9	114	-11	95	38	6.770	31	4.32	1.71	16	
RETROP	7565	4	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.930	31	*****	0.82	22	
REYDON	7579	4	60.5	25 *	****	95	3	25	9	160	*****	47	*****	8.330	26	*****	5.00	28	
SAYRE	7952	4	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.860	31	1.70	1.38	22	
SWEETWATER	8652	4	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	5.921	31	*****	2.35	25	
TALOGA	8708	4	61.6	31	0.9	99	4	17	10	159	-4	54	25	6.553	31	4.55	1.75	16	
THOMAS	8815	4	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	8.450	31	*****	1.46	22	
VICI	9172	4	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	6.880	31	4.92	1.95	21	
WATONGA	9364	4	62.4	31	0.7	98	3	20	9	154	7	72	27	7.092	31	4.71	1.48	16	
WEATHERFORD	9422	4	63.7	31	3.0	99	4	21	9	128	-40	88	54	9.111	31	6.42	1.97	23	

OCTOBER 2000 SUMMARY FOR CENTRAL CLIMATE DIVISION (CD5)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
AMBER	200	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	8.400	31	*****	4.85	23
ARCADIA	288	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.050	31	*****	0.05	7
BLANCHARD	830	5	66.2	30	2.8	96	4	27	9	93	-29	128	57	10.222	31	6.85	5.53	23
BRISTOW	1144	5	65.1	30	2.1	93	3	21	9	115	-17	117	48	10.520	31	7.37	3.25	28
CHANDLER	1684	5	65.5	27*	****	93	5	25	10	96	*****	110	*****	11.350	31	8.33	5.60	23
CHICKASHA EXP	1750	5	65.8	31	2.8	97	3	24	9	93	-32	117	54	11.421	31	8.17	6.62	23
COX CITY	2196	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	10.700	31	*****	2.00	22
CRESCENT	2242	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	6.890	31	*****	1.57	16
CUSHING	2318	5	64.3	31	2.7	93	4	25	9	113	-41	93	44	9.052	31	6.16	4.09	31
EDMOND	2788	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	9.340	31	*****	3.70	22
EL RENO	2818	5	63.6	30	1.5	95	4	20	10	133	-4	91	45	5.810	31	3.29	1.70	23
GUTHRIE	3821	5	65.4	31	2.3	98	5	19	10	112	-8	124	64	8.712	31	6.00	2.55	23
HENNESSEY	4055	5	62.8	31	0.6	98	4	22	10	149	6	82	26	6.300	31	3.96	1.61	24
INGALLS	4489	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	4.191	31	*****	1.63	16
KINGFISHER	4861	5	64.3	31	1.5	98	4	21	9	130	6	109	53	5.640	31	3.31	2.17	23
KONAWA	4915	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	11.920	31	7.85	4.29	22
MARSHALL	5589	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	4.980	31	2.23	1.22	16
MEEKER	5779	5	62.2	30	-0.5	91	5	21	10	150	16	64	2	8.490	31	4.95	4.14	23
MULHALL	6110	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	7.650	31	*****	2.83	16
NORMAN NWS	6386	5	64.2	31	0.9	94	4	25	9	124	12	100	41	13.193	31	9.96	3.54	22
OKEMAH	6638	5	67.4	31	4.3	94	4	34	9	80	-46	153	86	6.170	31	2.33	2.45	23
OKLAHOMA CTY	6659	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	*****	0	*****	*****	0
OKLAHOMA CTY	6661	5	64.1	31	2.1	95	3	28	9	116	-21	89	45	8.395	31	5.17	3.90	22
PERKINS	7003	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	5.490	31	2.52	1.74	16
PIEDMONT	7068	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	7.510	31	*****	1.91	28
PRAGUE	7264	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	8.331	31	4.50	2.82	23
PURCELL	7327	5	64.5	31	1.3	96	5	30	10	109	-11	94	31	8.892	31	4.95	1.95	27
SEMINOLE	8042	5	64.6	24*	****	94	4	25	9	98	*****	90	*****	6.990	26	*****	3.23	23
SHAWNEE	8110	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	10.631	31	6.56	3.87	16
STILLWATER	8501	5	64.6	31	4.1	95	4	22	10	121	-48	109	81	6.141	31	3.31	2.61	16
STROUD	8563	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	15.802	31	*****	5.87	28
TECUMSEH	8751	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	6.680	31	*****	2.00	23
TROUSDALE	8960	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	*****	0	*****	*****	0
UNION CITY	9086	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	8.142	31	4.87	2.84	23
WANETTE	9291	5	65.0	31*	****	95	5	21	10	125	*****	124	*****	7.270	31	*****	1.77	23
WELTY	9479	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	11.061	31	*****	4.00	28
WEWOKA	9575	5	*****	0*	****	****	0	****	0	*****	*****	*****	*****	6.570	31	2.86	2.43	23

OCTOBER 2000 SUMMARY FOR EAST CENTRAL CLIMATE DIVISION (CD6)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
ASHLAND	364	6	*****	0*	****	****	0	****	0	*****	*****	*****	*****	5.792	31	*****	1.30	22
BEGGS	631	6	*****	0*	****	****	0	****	0	*****	*****	*****	*****	7.380	31	*****	2.29	23
CALVIN	1391	6	*****	0*	****	****	0	****	0	*****	*****	*****	*****	6.750	31	2.65	2.50	22
CHECOTAH	1711	6	*****	0*	****	****	0	****	0	*****	*****	*****	*****	6.300	31	2.07	1.36	6
CLAYTON	1858	6	*****	0*	****	****	0	****	0	*****	*****	*****	*****	4.250	31	*****	0.77	22
DEWAR	2485	6	*****	0*	****	****	0	****	0	*****	*****	*****	*****	8.354	31	4.39	1.70	23
DUSTIN	2690	6	*****	0*	****	****	0	****	0	*****	*****	*****	*****	6.781	31	*****	1.72	22
EUFAULA	2993	6	66.8	31	2.2	94	5	35	10	76	-27	132	41	4.750	31	0.63	1.35	21
HANNA	3884	6	65.3	31	2.3	92	4	26	10	111	-8	120	64	6.992	31	2.84	2.30	22
HASKELL	3956	6	*****	0*	****	****	0	****	0	*****	*****	*****	*****	5.850	31	1.78	3.27	27
HOLDENVILLE	4235	6	65.8	31	2.2	95	4	26	10	104	-13	129	56	8.145	31	3.95	3.39	22
LAKE EUFAULA	4975	6	64.6	26*	****	91	5	34	11	98	*****	87	*****	5.811	27	*****	2.35	22
LYONS	5437	6	*****	0*	****	****	0	****	0	*****	*****	*****	*****	7.591	31	4.11	2.16	28
MARBLE CITY	5546	6	*****	0*	****	****	0	****	0	*****	*****	*****	*****	4.280	31	*****	1.30	27
MCALESTER	5664	6	65.7	31	2.6	92	5	26	9	116	-14	139	68	4.463	31	-0.12	0.98	29
MCCURTAIN	5693	6	66.5	31	2.8	93	4	27	9	97	-18	145	70	2.612	31	-1.29	0.60	27
MUSKOGEE	6130	6	64.5	31	1.9	92	4	26	10	117	-18	101	41	5.472	31	1.32	1.06	22
OKMULGEE	6670	6	64.8	31	3.1	93	4	26	9	112	-45	106	52	5.211	31	1.20	1.73	23
OKTAHA	6678	6	*****	0*	****	****	0	****	0	*****	*****	*****	*****	7.760	31	*****	1.85	23
SALLISAW	7862	6	64.7	31	1.5	92	5	31	9	112	-14	104	35	5.040	31	0.60	1.40	6
SCPIO	7979	6	*****	0*	****	****	0	****	0	*****	*****	*****	*****	5.910	31	*****	1.93	22
SHORT	8170	6	*****	0*	****	****	0	****	0	*****	*****	*****	*****	5.540	31	*****	1.20	27
STILWELL	8506	6	61.1	31	-0.2	89	4	23	9	167	7	46	1	6.580	31	2.50	1.68	27
TAHLEQUAH	8677	6	64.4	31	2.6	90	2	27	10	112	-45	92	34	5.290	31	1.08	1.21	28
WEBBERS FALL	9445	6	65.0	31	3.6	94	5	26	10	109	-44	108	67	7.200	31	2.68	1.90	23
WETUMKA	9571	6	*****	0*	****	****	0	****	0	*****	*****	*****	*****	5.124	31	1.28	1.64	23

OCTOBER 2000 SUMMARY FOR SOUTHWEST CLIMATE DIVISION (CD7)

NAME	ID	CD	DEV					HEAT		DEV		COOL		DEV		TOT		DEV	
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	PPT	NUM OBS	FROM NORM	MAX 24-HR	DAY
ALTUS	179	7	64.6	30	0.0	104	3	26	9	104	4	93	5	7.950	31	5.58	1.84	26	
ALTUS DAM	184	7	65.8	31	3.3	105	4	25	10	100	-32	126	71	5.070	31	2.33	1.06	26	
ANADARKO	224	7	62.6	31	0.2	94	4	20	10	148	19	75	27	13.130	31	10.43	9.15	23	
APACHE	260	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	13.210	31	10.40	7.42	23	
ALTUS AFB	447	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.510	31	*****	1.49	27	
CARNEGIE	1504	7	63.9	31	0.9	98	4	28	9	113	-5	80	24	6.842	31	4.45	1.92	22	
CHATTANOOGA	1706	7	65.6	31	1.3	103	4	24	10	102	10	120	49	12.490	31	9.77	2.63	23	
DUNCAN 11 W	2668	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	11.940	31	*****	3.64	27	
FREDERICK	3353	7	64.8	30	1.5	101	3	29	8	103	-22	99	27	15.160	30	*****	4.35	22	
HEADRICK	3998	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	7.170	31	*****	1.71	27	
HOBART	4204	7	64.0	31	1.1	102	3	23	9	123	-5	93	31	4.283	31	1.63	1.32	21	
HOLLIS	4249	7	64.4	31	1.1	106	3	26	9	114	-4	96	31	3.470	31	1.30	1.01	16	
LAWTON	5063	7	64.8	31	2.2	99	4	29	10	112	-18	105	49	11.080	31	8.10	2.25	26	
LOOKEBA	5329	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	6.761	31	4.03	1.83	23	
MANGUM	5509	7	63.8	31	0.0	104	4	24	10	121	11	84	11	3.810	31	1.15	0.75	16	
RANDLETT	7403	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	11.281	31	*****	3.96	26	
ROOSEVELT	7727	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	4.590	31	2.03	1.74	22	
SEDAN	8016	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	6.450	31	*****	1.40	22	
SNYDER	8299	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	10.600	31	8.07	3.61	23	
VINSON	9212	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	3.100	31	0.90	0.98	22	
WALTERS	9278	7	66.0	31	1.4	99	4	27	10	95	-8	128	38	11.100	31	7.86	3.10	27	
WICHITA MT	9629	7	63.4	26*	****	100	4	21	10	119	*****	77	*****	12.260	29	*****	4.75	23	
WILLOW	9668	7	*****	0*	****	****	0	****	0	*****	*****	*****	*****	3.430	31	*****	0.80	21	

OCTOBER 2000 SUMMARY FOR SOUTH CENTRAL CLIMATE DIVISION (CD8)

NAME	ID	CD	DEV					HEAT		DEV		COOL		DEV		TOT		DEV	
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	PPT	NUM OBS	FROM NORM	MAX 24-HR	DAY
ADA	17	8	64.9	31	1.3	93	4	25	10	103	-25	100	16	9.222	31	4.98	2.22	23	
ALLEN	147	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	9.210	31	*****	4.68	22	
ARDMORE	292	8	68.5	30	2.4	94	5	38	10	49	-31	153	40	11.260	31	7.42	3.25	26	
ATOKA	391	8	65.4	30*	****	95	6	27	10	107	*****	118	*****	7.391	31	*****	1.66	27	
BOKCHITO	917	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	5.480	31	*****	1.61	22	
CANEY	1437	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	7.300	31	*****	1.90	27	
CENTRAHOMA	1648	8	64.1	28*	****	94	6	27	10	112	*****	86	*****	6.900	31	*****	1.60	27	
CHICKASAW	1745	8	64.8	30	2.4	94	5	25	9	121	-8	115	67	8.510	31	3.99	2.47	27	
COLEMAN	2011	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	8.040	31	*****	3.30	27	
COMANCHE	2054	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	14.750	31	11.58	5.70	26	
DAISY	2354	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	4.311	31	-0.20	0.93	22	
DUNCAN	2660	8	65.3	30	2.1	97	4	30	11	108	-15	117	51	11.872	31	8.51	3.23	26	
DURANT	2678	8	66.6	31	3.2	94	5	29	9	94	-23	143	77	3.990	31	-0.19	1.67	20	
ELMORE CITY	2872	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	8.080	31	*****	2.41	23	
GRADY	3688	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	7.980	31	*****	2.40	20	
HEALDTON	4001	8	66.0	29*	****	97	5	28	10	103	*****	133	*****	12.060	31	8.48	4.16	27	
HENNEPIN	4052	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	9.650	31	*****	1.80	22	
KETCHUM RAN	4780	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	12.120	31	*****	3.80	26	
KINGSTON	4865	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	3.851	31	-0.42	1.78	20	
LEHIGH	5108	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	*****	0	*****	*****	0	
LINDSAY	5216	8	65.1	31	1.7	97	4	23	8	116	6	121	61	9.660	31	6.01	1.84	21	
LOCO	5247	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	14.200	31	*****	4.52	27	
MADILL	5468	8	67.6	30	2.6	93	6	32	11	72	-17	149	60	9.110	30	*****	2.48	27	
MARIETTA 5 S	5563	8	65.8	31	0.6	94	6	27	11	109	26	133	43	7.610	31	3.91	2.83	21	
MARLOW	5581	8	67.8	31	4.4	100	4	22	9	81	-37	167	99	8.860	31	5.28	3.17	26	
MCGEE CREEK	5713	8	65.5	31*	****	94	6	32	10	103	*****	118	*****	6.000	31	*****	2.09	27	
PAULS VALLEY	6926	8	65.0	22*	****	97	5	22	10	106	*****	107	*****	8.430	31	4.50	1.90	21	
PONTOTOC	7214	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.300	30	*****	1.84	15	
TISHOMINGO	8884	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	7.120	31	2.75	3.05	26	
TUSSY	9032	8	*****	0*	****	****	0	****	0	*****	*****	*****	*****	9.220	31	*****	4.10	23	
WAURIKA	9395	8	68.5	31	3.4	100	3	28	9	68	-19	177	88	7.731	31	4.77	2.36	25	

OCTOBER 2000 SUMMARY FOR SOUTHEAST CLIMATE DIVISION (CD9)

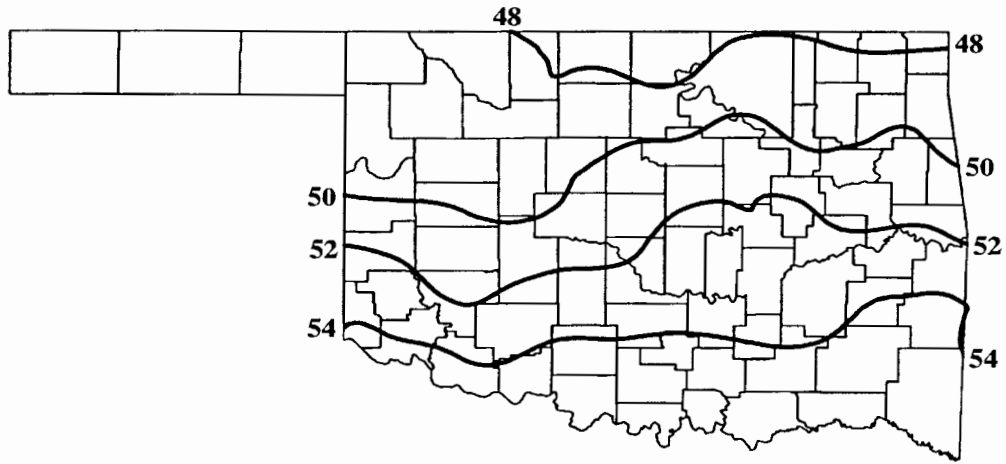
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY
					NORM	MAX TEMP										NORM	MAX 24-HR	
ANTLERS	256	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	*****	0	*****	*****	0
BATTIEST	567	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.840	26	*****	1.32	27
BENGAL	670	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.960	31	*****	0.60	6
BROKEN BOW	1162	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	3.270	31	-1.06	0.83	6
CARNASAW	1499	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	3.161	31	-1.44	1.16	6
CARTER TWR	1544	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	4.550	31	-0.51	0.81	30
FANSHAWE	3065	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.110	31	-1.78	0.60	6
HEAVENER	4008	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.800	31	-1.27	0.55	20
IDABEL	4451	9	67.0	31	3.6	93	6	32	11	68	-47	130	65	2.530	28	*****	0.83	27
PAGE	6842	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.690	31	*****	0.72	16
POTEAU	7254	9	64.8	31*	****	94	4	26	8	107	*****	101	*****	3.672	31	*****	1.11	29
SMITHVILLE	8285	9	61.2	27*	****	91	7	23	11	150	*****	47	*****	4.321	31	-1.23	1.07	28
SPIRO	8416	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.690	31	-1.13	0.66	27
TUSKAHOMA	9023	9	67.2	31	3.4	94	5	24	9	94	-15	162	92	4.250	31	0.04	1.27	27
VALLIANT	9118	9	*****	0*	****	****	0	****	0	*****	*****	*****	*****	5.371	31	1.37	1.35	30
WILBURTON	9634	9	64.8	31	2.5	91	4	25	9	106	-35	99	42	3.700	31	-0.61	0.75	26
WISTER	9724	9	65.0	31*	****	91	6	24	10	106	*****	105	*****	3.300	31	*****	0.88	28

OCTOBER 2000 CLIMATE DIVISION SUMMARY

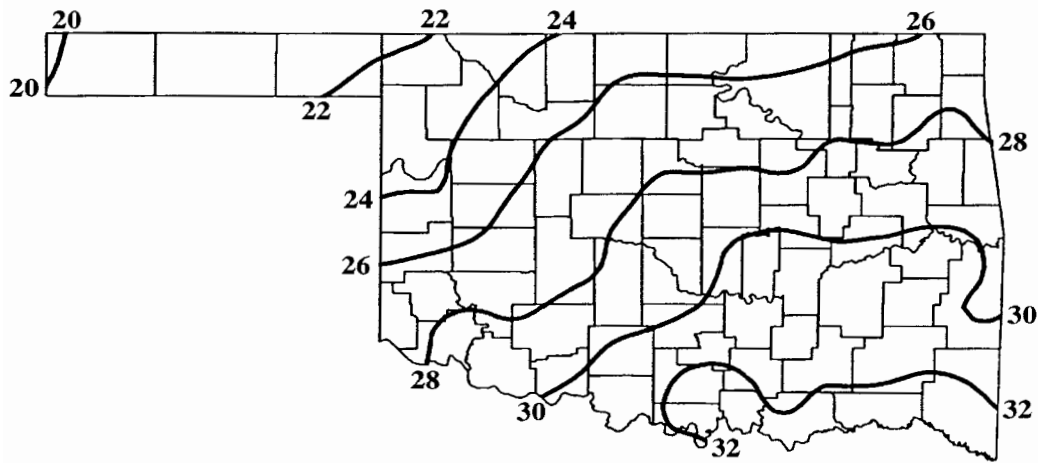
NAME	CD	MEAN TEMP	NUM OBS	DEV		DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY
				NORM	MAX TEMP										NORM	MAX 24-HR	
CLIMATE DIVISION 1	1	61.1	7	2.7	100	2	22	9	190	-41	70	44	6.210	11	4.93	5.55	25
CLIMATE DIVISION 2	2	62.7	12	1.6	99	4	18	10	146	-18	75	32	6.100	25	3.77	5.92	25
CLIMATE DIVISION 3	3	64.8	13	3.3	94	3	17	9	120	-38	113	65	4.840	26	1.43	2.64	16
CLIMATE DIVISION 4	4	62.9	10	1.5	103	4	16	10	139	-16	73	32	6.170	20	3.97	5.00	28
CLIMATE DIVISION 5	5	64.6	15	1.9	98	4	19	10	117	-11	106	49	8.290	34	5.04	6.62	23
CLIMATE DIVISION 6	6	65.0	11	2.2	95	4	23	9	112	-22	111	48	5.980	25	1.86	3.39	22
CLIMATE DIVISION 7	7	64.6	11	1.3	106	3	20	10	112	-7	100	34	7.580	21	4.93	9.15	23
CLIMATE DIVISION 8	8	66.3	12	2.2	100	3	22	10	94	-11	134	58	8.600	28	4.70	5.70	26
CLIMATE DIVISION 9	9	65.8	5	3.0	94	5	23	11	96	-33	119	60	3.490	14	-0.92	1.35	30

MESONET MONTHLY SUMMARY FOR OCTOBER 2000

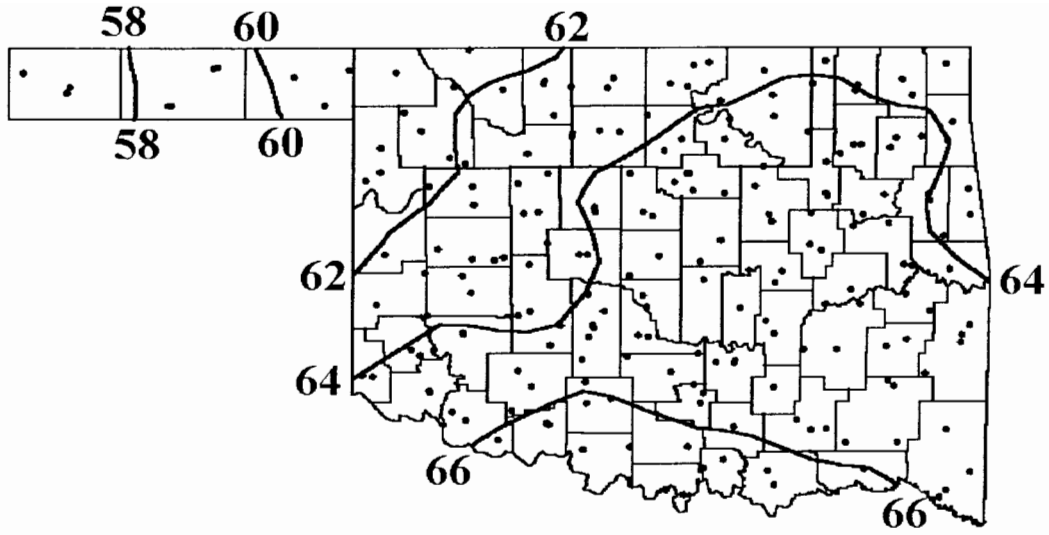
NAME	MEAN TEMP	MAX TEMP	MIN TEMP	HDD	ODD	TOT PPT	MAX 24-HR	DAY	NAME	MEAN TEMP	MAX TEMP	MIN TEMP	HDD	ODD	TOT PPT	MAX 24-HR	DAY				
PANHANDLE																					
Arnett	61.0	97	3	23	9	171	47	7.45	2.17	15	Goodwell	58.1	96	1	29	9	238	23	5.68	1.77	28
Beaver	60.1	99	1	27	8	172	31	3.44	0.66	23	Hooker	58.4	97	1	26	9	224	19	3.74	0.97	23
Boise City	56.1	96	3	30	9	300	23	5.38	2.95	23	Kenton	56.1	95	3	31	7	299	23	4.30	2.09	23
Buffalo	61.5	97	1	20	9	162	54	4.27	0.99	25	Slapout	60.6	99	1	25	9	178	41	8.46	2.83	25
NORTH CENTRAL																					
Alva	62.3	97	3	25	9	143	58	7.15	1.48	24	May Ranch	61.4	94	1	25	8	159	48	9.22	5.41	24
Blackwell	63.2	94	3	22	9	131	76	*****	*****	**	Medford	63.0	97	3	24	9	133	71	4.14	1.36	25
Breckenridge	63.3	96	3	20	9	133	79	*****	*****	**	Newkirk	63.3	92	3	25	8	132	79	5.91	1.60	25
Cherokee	62.9	98	3	25	9	132	67	7.06	1.38	22	Red Rock	64.2	95	3	21	9	122	98	7.47	1.61	16
Fairview	63.2	99	3	21	9	139	83	6.70	2.89	15	Seiling	62.1	98	3	17	9	152	62	4.67	1.21	24
Freedom	62.0	96	1	26	9	147	54	9.16	4.89	24	Woodward	62.8	95	3	27	9	142	74	11.34	5.35	24
Lahoma	62.7	99	3	24	9	138	66	6.33	3.13	15											
NORTHEAST																					
Bixby	64.4	91	4	23	9	125	106	4.60	1.15	27	Nowata	63.6	92	2	19	9	145	101	6.91	1.54	25
Burbank	63.8	93	3	22	9	133	97	5.44	1.44	25	Pawnee	64.4	93	3	22	9	115	97	6.64	1.62	16
Catoosa	64.9	91	2	24	9	115	111	5.91	1.39	23	Porter	64.4	91	4	27	9	121	103	5.03	1.35	26
Claremore	64.2	92	4	24	9	125	100	4.11	0.85	23	Pryor	63.6	91	2	21	9	141	98	2.76	0.74	22
Copan	64.0	92	2	23	9	131	100	5.20	2.08	16	Skiatook	64.8	91	2	30	8	113	107	4.18	0.97	16
Forker	63.5	93	2	22	8	142	97	4.90	1.08	25	Vinita	62.7	90	2	20	9	150	78	4.30	0.82	27
Jay	63.4	88	2	22	9	146	96	2.38	0.62	26	Wynona	64.7	93	2	23	9	119	111	6.98	2.30	16
Miami	63.0	89	2	21	9	150	88	4.88	0.99	15											
WEST CENTRAL																					
Bessie	64.1	101	3	27	9	118	90	5.98	1.39	15	Putnam	62.4	98	3	24	9	142	60	6.59	2.45	15
Butler	63.9	102	3	17	9	118	83	3.76	1.17	15	Retrop	64.0	103	3	25	9	119	87	3.34	0.85	21
Camargo	61.7	99	3	17	9	154	51	5.22	2.11	15	Watonga	63.2	98	3	27	9	130	74	6.77	1.85	15
Cheyenne	62.3	100	3	29	9	144	60	6.37	1.75	24	Weatherford	63.0	100	3	28	9	130	68	8.44	2.21	15
Erick	62.0	102	3	19	9	155	62	3.18	1.25	21											
CENTRAL																					
Acme	64.9	97	4	20	9	119	116	*****	*****	**	Minco	63.9	94	2	30	9	116	81	9.44	3.94	22
Bowlegs	64.4	93	4	22	9	128	108	7.82	1.95	23	Ninnekah	65.1	96	2	22	9	114	116	9.75	3.98	22
Bristow	63.9	92	4	20	9	134	100	2.56	1.36	15	Norman	64.6	94	3	27	9	117	104	11.03	4.50	22
Chandler	64.7	92	3	24	9	112	103	12.88	4.49	22	Oilton	64.0	92	2	18	9	133	101	5.37	1.14	22
Chickasha	64.7	97	3	23	9	119	109	10.85	4.56	22	Okemah	64.7	93	4	25	9	119	111	6.52	1.46	23
El Reno	63.0	96	3	16	9	141	80	7.62	2.34	25	Perkins	64.8	95	3	23	9	109	104	4.76	0.99	16
Guthrie	65.0	96	3	24	9	106	106	7.98	1.84	27	Shawnee	64.5	94	4	26	9	116	99	8.23	2.30	23
Kingfisher	64.3	97	3	19	9	121	98	6.61	1.10	22	Spencer	64.9	93	2	23	9	110	107	8.99	4.08	22
Marena	64.3	95	3	27	9	114	92	5.75	1.63	16	Stillwater	64.8	94	3	21	9	116	109	*****	*****	**
Marshall	64.4	97	3	19	9	118	99	4.81	1.12	25	Washington	64.8	95	2	27	9	120	115	9.53	2.30	23
EAST CENTRAL																					
Calvin	65.1	93	4	25	9	116	119	7.15	2.38	21	Sallisaw	65.2	93	4	29	9	106	112	3.95	1.06	5
Cookson	63.6	92	4	25	9	140	98	6.62	1.97	26	Stigler	64.8	92	4	25	9	114	107	3.90	1.07	22
Eufaula	65.4	91	4	27	9	108	121	5.22	1.23	21	Stuart	65.4	91	4	28	9	112	124	6.36	1.59	21
Haskell	64.2	92	4	25	9	120	97	5.30	1.16	23	Tahlequah	63.4	90	2	25	9	142	93	5.71	1.54	27
Hectorville	65.8	92	4	30	9	100	124	7.69	2.46	27	Webbers Falls	65.1	93	4	27	9	111	115	7.23	1.81	15
McAlester	65.2	92	5	26	9	121	126	4.73	1.04	29	Westville	63.2	89	2	27	9	139	83	5.73	2.28	26
Okmulgee	64.1	92	4	23	9	128	101	8.30	1.79	23											
SOUTHWEST																					
Altus	65.0	104	3	26	9	108	107	7.82	2.48	26	Hollis	64.6	106	3	25	9	114	100	3.02	1.00	15
Apache	64.3	95	2	26	9	117	95	12.31	4.54	22	Mangum	63.7	104	3	19	9	130	89	4.11	0.97	25
Fort Cobb	63.9	96	2	24	9	118	85	7.60	1.80	22	Medicine Park	64.6	97	2	32	9	109	95	10.26	3.01	22
Grandfield	66.5	103	2	26	9	99	147	10.41	2.52	22	Tipton	66.1	104	3	24	9	100	134	8.98	2.49	22
Hinton	63.5	98	3	22	9	124	79	9.40	3.28	23	Walters	66.9	101	2	25	9	91	149	10.46	2.98	26
Hobart	64.1	102	3	23	9	122	93	4.63	1.42	21											
SOUTH CENTRAL																					
Ada	65.0	94	4	23	9	120	118	8.59	1.62	22	Madill	66.9	94	3	29	10	92	152	5.33	1.77	28
Ardmore	66.5	94	3	31	9	99	145	10.70	3.61	26	Pauls Valley	66.0	96	4	25	9	108	137	7.90	1.91	26
Burneyville	67.6	96	3	28	10	93	175	6.51	1.95	20	Ringling	67.0	97	3	29	9	93	155	9.99	2.58	26
Byars	65.6	94	4	29	9	105	123	8.80	1.67	21	Sulphur	65.5	94	4	26	9	113	127	8.94	1.66	26
Centrahoma	65.7	93	3	22	9	106	125	4.61	1.41	26	Tishomingo	65.5	94	3	25	10	114	128	10.34	3.87	26
Durant	66.8	92	3	33	9	89	146	5.45	1.54	20	Vanoss	65.3	95	4	23	9	115	124	9.34	2.11	23
Ketchum Ranch	65.6	96	3	27	9	109	129	*****	*****	**	Waurika	67.4	99	2	28	9	92	167	8.89	2.64	25
Lane	65.3	92	4	27	10	107	118	4.90	1.08	29											
SOUTHEAST																					
Antlers	64.9	93	4	23	10	117	113	5.61	1.14	27	Idabel	66.0	92	5	30	10	90	119	3.52	1.05	26
Broken Bow	64.4	93	5	27	10	108	88	2.79	0.77	6	Mt Herman	64.9	89	5	27	9	109	105	4.42	1.01	15
Clayton	65.9	92	4	26	9	101	127	3.76	0.99	29	Talihina	66.1	92	4	22	9	112	148	2.64	0.94	26
Cloudy	64.9	91	4	28	10	110	108	5.48	1.91	29	Wilburton	65.0	92	5	24	9	122	122	4.48	1.33	22
Hugo	66.7	92	5	32	10	89	142	4.54	1.35	29	Wister	63.8	93	4	25	9	123	84	3.48	0.97	29



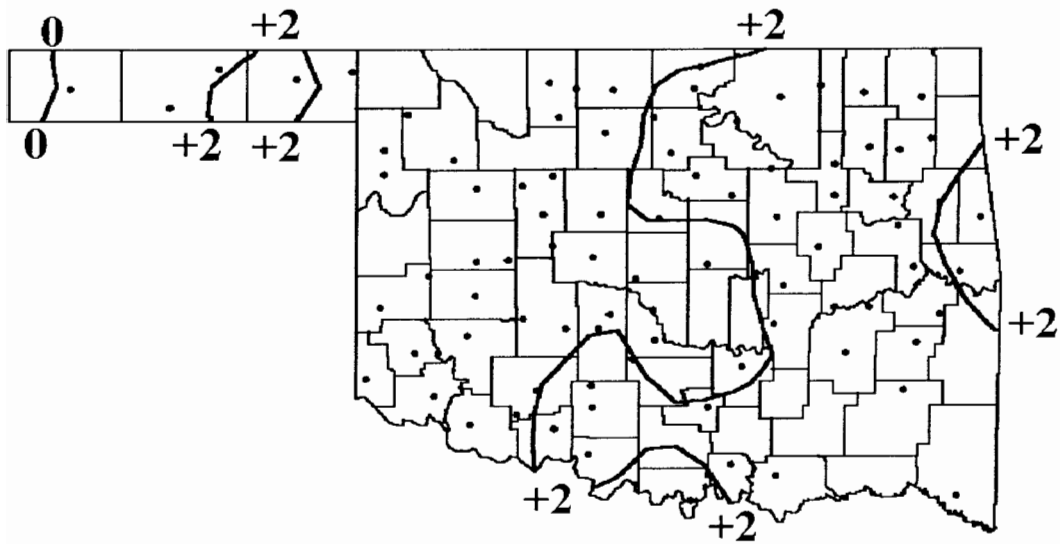
DECEMBER NORMAL DAILY MAXIMUM TEMPERATURE (F)



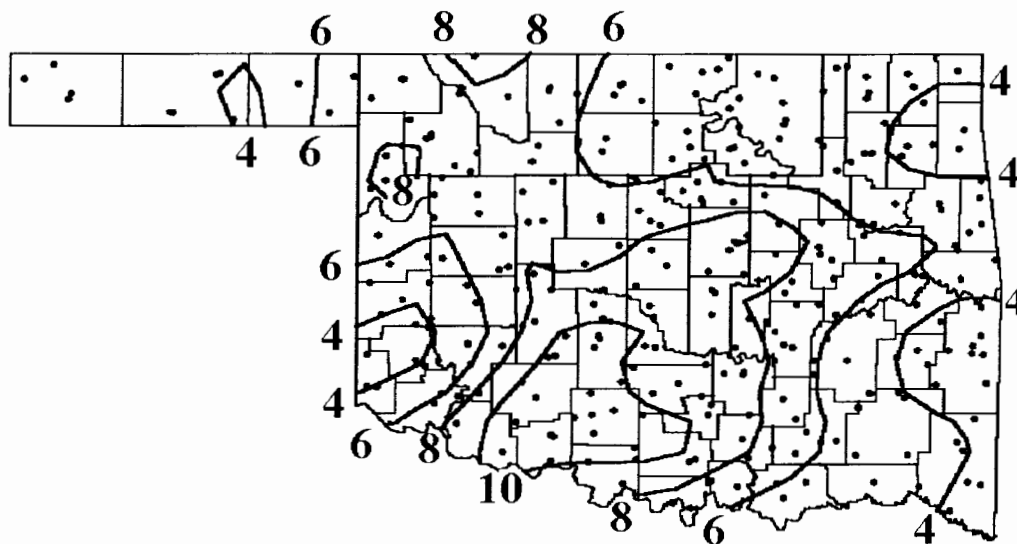
DECEMBER NORMAL DAILY MINIMUM TEMPERATURE (F)



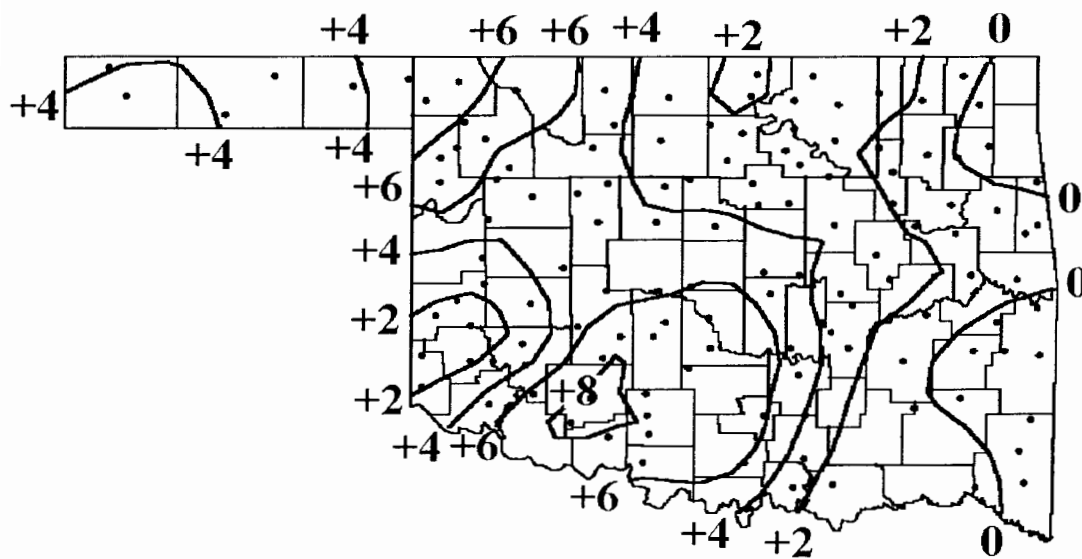
OCTOBER 2000 AVERAGE MONTHLY TEMPERATURE (F)



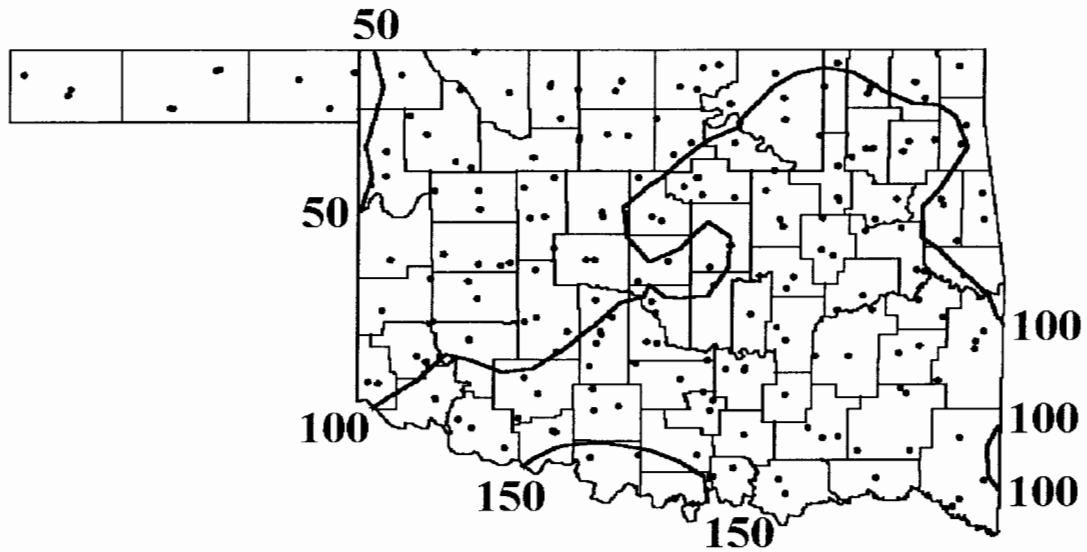
OCTOBER 2000 DEPARTURE FROM NORMAL TEMPERATURE (F)



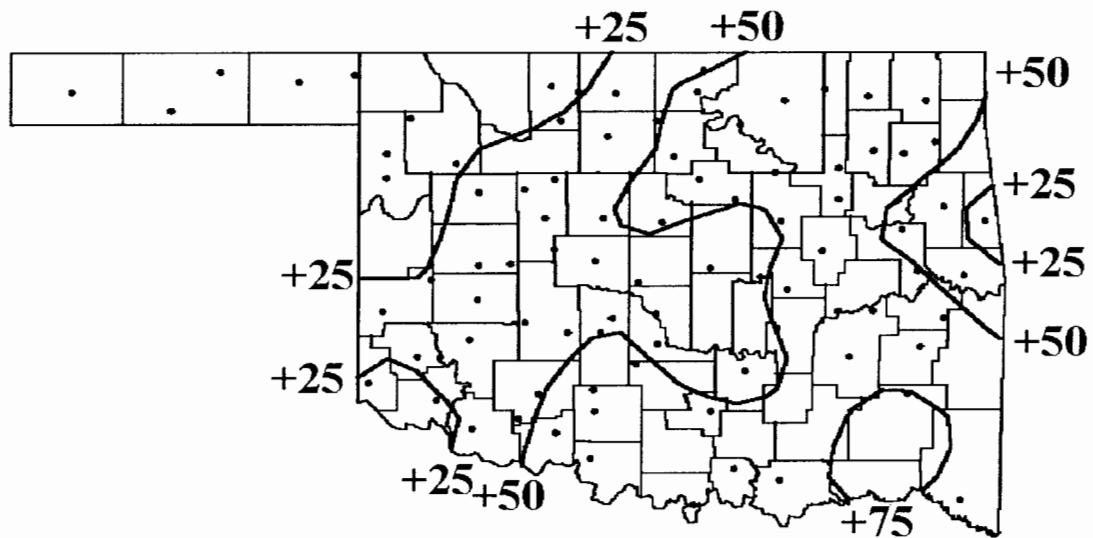
OCTOBER 2000 TOTAL PRECIPITATION (INCHES)



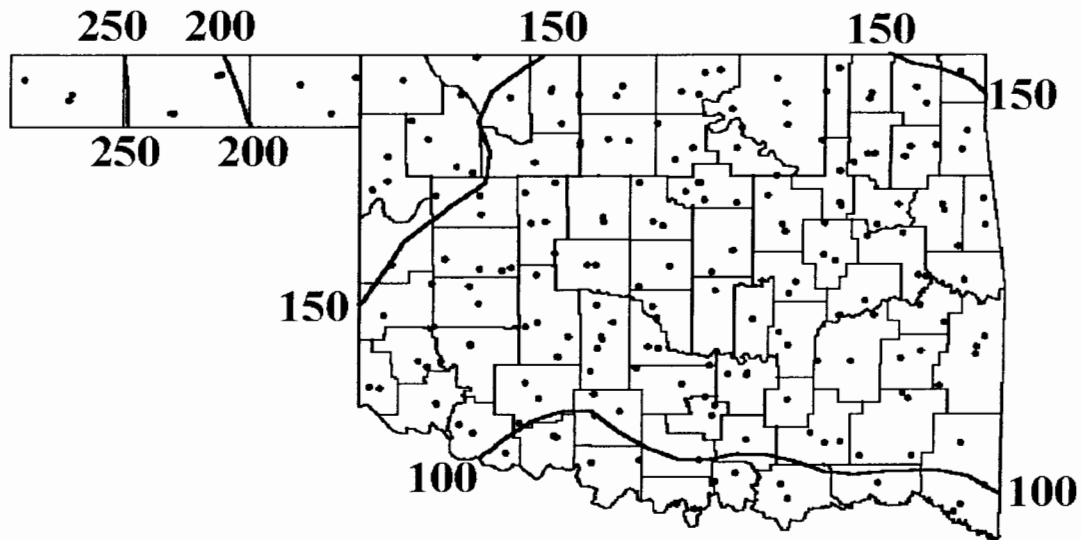
OCTOBER 2000 DEPARTURE FROM NORMAL PRECIPITATION (INCHES)



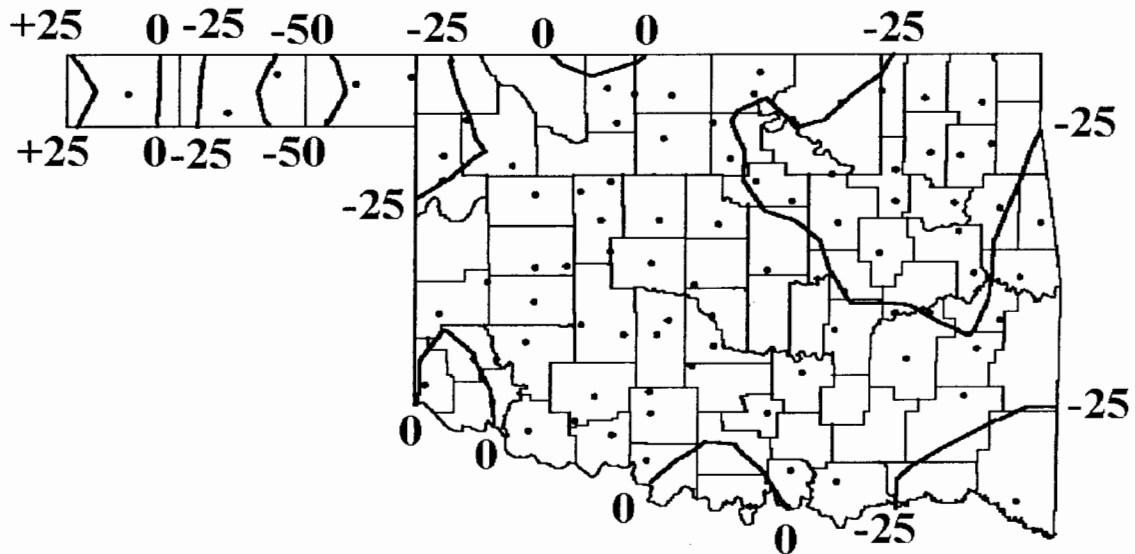
OCTOBER 2000 ACCUMULATED COOLING DEGREE DAYS (F)



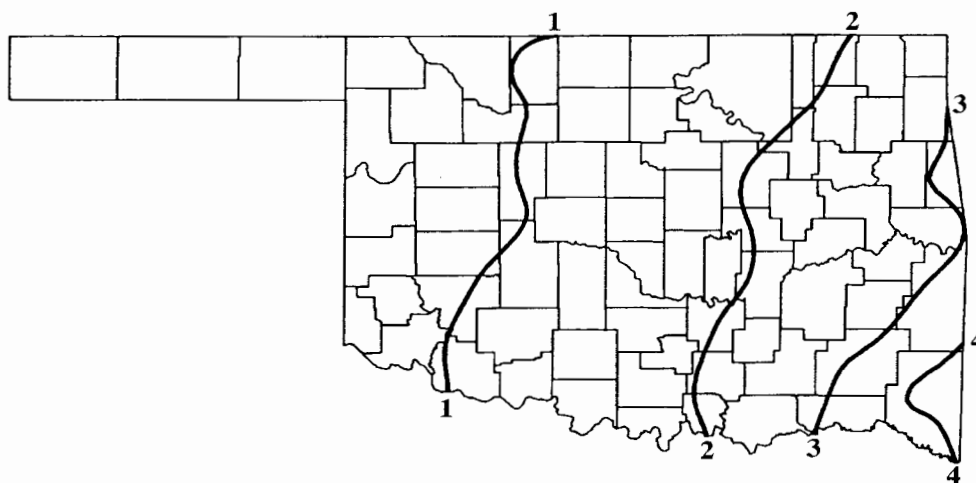
OCTOBER 2000 DEPARTURE FROM NORMAL COOLING DEGREE DAYS (F)



OCTOBER 2000 ACCUMULATED HEATING DEGREE DAYS (F)



OCTOBER 2000 DEPARTURE FROM NORMAL HEATING DEGREE DAYS (F)



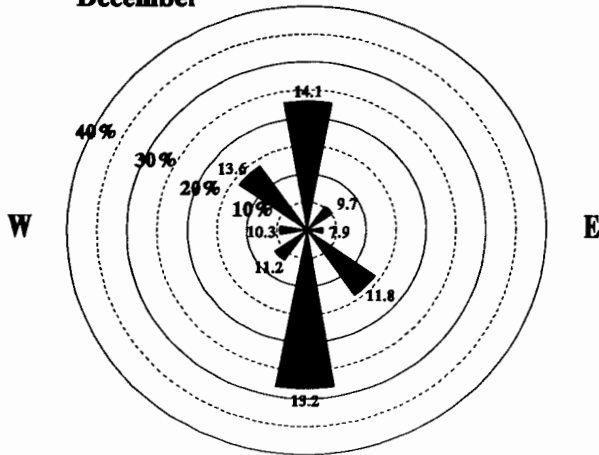
DECEMBER NORMAL MONTHLY PRECIPITATION (INCHES)

**OUTLOOK FOR DECEMBER 2000 THROUGH FEBRUARY 2001
BASED ON SEASONAL OUTLOOK PROVIDED BY THE CLIMATE PREDICTION CENTER**

TEMPERATURE: ABOVE NORMAL TEMPERATURE STATEWIDE

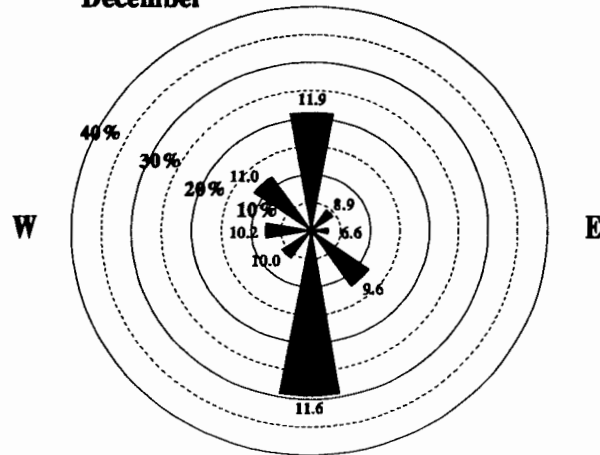
**PRECIPITATION: NEAR NORMAL PRECIPITATION IN NORTH
ABOVE NORMAL PRECIPITATION IN SOUTH**

**Oklahoma City
December**



Calm=1.8%
Mean Speed= 12.5 mph

**Tulsa
December**



Calm=5.1%
Mean Speed= 10.3 mph

December Wind Roses for Oklahoma City and Tulsa. The frequency (percent) 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 SUNRISE/SUNSET TIMES FOR 2000
ALL TIMES ARE CENTRAL STANDARD TIME

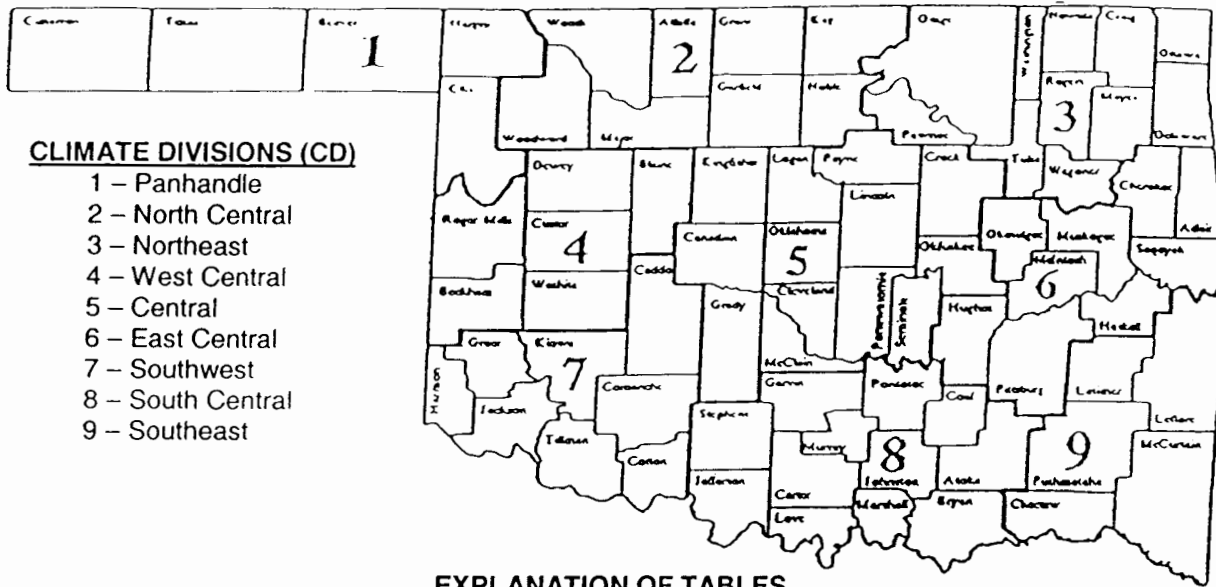
OKLAHOMA CITY

<u>DATE</u>	<u>SUNRISE</u>	<u>SUNSET</u>
12/1/00	7:21 AM	5:17 PM
12/2/00	7:22 AM	5:17 PM
12/3/00	7:23 AM	5:17 PM
12/4/00	7:24 AM	5:17 PM
12/5/00	7:25 AM	5:17 PM
12/6/00	7:26 AM	5:17 PM
12/7/00	7:26 AM	5:17 PM
12/8/00	7:27 AM	5:17 PM
12/9/00	7:28 AM	5:17 PM
12/10/00	7:29 AM	5:17 PM
12/11/00	7:30 AM	5:18 PM
12/12/00	7:30 AM	5:18 PM
12/13/00	7:31 AM	5:18 PM
12/14/00	7:32 AM	5:18 PM
12/15/00	7:32 AM	5:19 PM
12/16/00	7:33 AM	5:19 PM
12/17/00	7:34 AM	5:19 PM
12/18/00	7:34 AM	5:20 PM
12/19/00	7:35 AM	5:20 PM
12/20/00	7:35 AM	5:21 PM
12/21/00	7:36 AM	5:21 PM
12/22/00	7:36 AM	5:22 PM
12/23/00	7:37 AM	5:22 PM
12/24/00	7:37 AM	5:23 PM
12/25/00	7:38 AM	5:24 PM
12/26/00	7:38 AM	5:24 PM
12/27/00	7:38 AM	5:25 PM
12/28/00	7:39 AM	5:26 PM
12/29/00	7:39 AM	5:26 PM
12/30/00	7:39 AM	5:27 PM
12/31/00	7:39 AM	5:28 PM

TULSA

<u>DATE</u>	<u>SUNRISE</u>	<u>SUNSET</u>
12/1/00	7:17 AM	5:09 PM
12/2/00	7:17 AM	5:09 PM
12/3/00	7:18 AM	5:09 PM
12/4/00	7:19 AM	5:09 PM
12/5/00	7:20 AM	5:09 PM
12/6/00	7:21 AM	5:09 PM
12/7/00	7:22 AM	5:09 PM
12/8/00	7:23 AM	5:09 PM
12/9/00	7:23 AM	5:09 PM
12/10/00	7:24 AM	5:09 PM
12/11/00	7:25 AM	5:10 PM
12/12/00	7:26 AM	5:10 PM
12/13/00	7:26 AM	5:10 PM
12/14/00	7:27 AM	5:10 PM
12/15/00	7:28 AM	5:11 PM
12/16/00	7:28 AM	5:11 PM
12/17/00	7:29 AM	5:11 PM
12/18/00	7:30 AM	5:12 PM
12/19/00	7:30 AM	5:12 PM
12/20/00	7:31 AM	5:13 PM
12/21/00	7:31 AM	5:13 PM
12/22/00	7:32 AM	5:14 PM
12/23/00	7:32 AM	5:14 PM
12/24/00	7:33 AM	5:15 PM
12/25/00	7:33 AM	5:15 PM
12/26/00	7:33 AM	5:16 PM
12/27/00	7:34 AM	5:17 PM
12/28/00	7:34 AM	5:17 PM
12/29/00	7:34 AM	5:18 PM
12/30/00	7:34 AM	5:19 PM
12/31/00	7:35 AM	5:20 PM

OKLAHOMA



EXPLANATION OF TABLES

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

Station Name:

Station Identification Number: These are usually assigned by the National Climatic Data Center.

Climate Division: See the figure above.

Number of Temperature Observations: These are the actual number of temperature reports recorded at the station during the current month. Missing observations may result in artificially high or low mean monthly temperatures.

Deviation from Normal: The deviation of the observed mean monthly temperature from the monthly station normal. A positive value indicates the month was warmer than normal. A negative value indicates the month was cooler than normal. Normal monthly temperatures may be calculated by subtracting the deviation from the observed temperature.

Maximum Daily Maximum: The maximum daily maximum temperature observed during the current month and year and the day which it occurred.

Minimum Daily Minimum: The minimum daily minimum temperature observed during the current month and year and the day which it occurred.

Heating Degree Days: HDD are calculated each day of the month for which there is a temperature report and the average temperature for the day is less than 65 degrees. Daily values are summed to arrive at a monthly total. They are a qualitative measure of how much heat was required to maintain a comfortable indoor temperature. Missing observations may result in an artificially high or low value. For February 2000 HDD would be calculated as:

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

Deviation from Normal Heating Degree Days: A positive value indicates higher than normal heating requirements for the month as a whole. A negative value indicates lower than normal heating requirements for the month as a whole. Normal HDD may be calculated by subtracting the deviation from observed HDD.

Cooling Degree Days: CDD are calculated each day of the month for which there is a temperature report and the average temperature for the day exceeds 65 degrees. Daily values are summed to give a monthly total. They are a proxy measure of how much cooling was required to maintain a comfortable indoor temperature. Missing observations may result in an artificially high or low value. For June, CDD would be calculated as:

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

Deviation from Normal Cooling Degree Days: A positive value indicates higher than normal cooling requirements for the month as a whole. A negative value indicates lower than normal cooling requirements for the month as a whole. Normal cooling degree days may be found by subtracting the deviation from the observed cooling degree days.

Total Precipitation: Often incorrectly referred to as a mean precipitation, this value is the sum of all precipitation reported during the month at a station. If snow occurred, it is to be melted and its water equivalent recorded.

Number of Precipitation Observations: The number of days a rain or no rain observation was reported. Missing observations frequently result in artificially low total precipitation values.

Deviation from Normal Precipitation: A positive value indicates more rain than normal was received. A negative value indicates less than was expected rainfall was received. Normal rainfall may be calculated by subtracting the deviation from the monthly total.

Maximum 24-Hour Report and Day: The maximum amount of precipitation recorded during the station's 24 hour observation period for the current month and year and the day on which it was recorded.

The second set of tables contain similar information but are the average or extreme over all the stations reporting in each climate division.

OKLAHOMA CITY CLIMATE CALENDAR
 DATA COURTESY OF NATIONAL WEATHER SERVICE NORMAN

MONTH December

The data on this calendar is for Oklahoma City.
 Normal values are calculated for the period 1961-1990.
 Temperature extremes are for the period 1891-1999.
 Precipitation extremes are for the period 1891-1999.

Day	Avg. Temp	Avg. High	Record High	Year	Lowest Max	Year	2000	Avg. Low	Highest Min	Year	Record Low	Year	2000	Avg. Ppt.	Greatest Ppt.	Year	2000
1	44	54	76	1982	20	1985		33	57	1933	12	1985		0.05	0.60	1913	
2	43	54	77	1975	20	1919		32	56	1951	10	1985		0.05	1.59	1953	
3	43	53	77	1916	15	1897		32	54	1913	6	1897		0.05	1.39	1947	
4	43	53	75	1954	25	1972		32	53	1913	6	1897		0.05	2.59	1930	
5	42	53	77	1975	31	1992		31	59	1980	9	1950		0.05	1.00	1935	
6	42	52	77	1939	19	1972		31	63	1980	4	1950		0.05	2.78	1892	
7	42	52	80	1966	19	1909		31	54	1894	5	1950		0.05	1.23	1980	
8	41	52	71	1970	17	1917		30	61	1946	1	1917		0.05	1.00	1980	
9	41	52	73	1915	15	1919		30	56	1946	3	1919		0.05	1.93	1911	
10	41	51	75	1996	22	1917		30	58	1965	3	1919		0.05	1.06	1960	
11	40	51	75	1939	21	1961		30	52	1991	5	1917		0.05	1.37	1991	
12	40	51	73	1973	17	1932		29	45	1991	6	1932		0.05	1.33	1892	
13	40	50	79	1921	17	1958		29	62	1929	4	1917		0.05	1.80	1984	
14	39	50	74	1933	10	1901		29	64	1948	-2	1901		0.05	1.37	1902	
15	39	50	75	1948	19	1901		29	59	1929	3	1989		0.05	1.53	1984	
16	39	50	73	1939	21	1932		28	56	1929	7	1989		0.05	0.56	1931	
17	39	49	75	1939	21	1964		28	45	1939	2	1979		0.04	1.68	1959	
18	38	49	69	1982	19	1983		28	47	1939	4	1924		0.04	2.20	1898	
19	38	49	75	1978	8	1924		28	54	1978	-2	1924		0.04	1.97	1991	
20	38	49	73	1966	15	1924		27	51	1890	2	1924		0.04	1.43	1991	
21	38	48	68	1966	11	1983		27	53	1894	-2	1983		0.04	1.26	1907	
22	38	48	75	1896	4	1989		27	55	1893	-4	1989		0.04	2.01	1932	
23	37	48	72	1982	10	1983		27	57	1965	-8	1989		0.04	1.80	1932	
24	37	48	86	1955	3	1983		27	54	1893	0	1983		0.04	1.47	1914	
25	37	48	73	1922	13	1983		26	49	1936	-1	1983		0.04	1.05	1987	
26	37	48	68	1968	18	1892		26	56	1936	2	1892		0.04	1.15	1940	
27	37	47	75	1946	15	1894		26	56	1946	3	1924		0.04	1.06	1927	
28	37	47	73	1947	21	1925		26	59	1984	-1	1924		0.04	1.85	1979	
29	36	47	77	1951	12	1917		26	60	1992	3	1983		0.04	0.23	1972	
30	36	47	74	1951	14	1990		26	55	1965	3	1990		0.04	0.40	1899	
31	36	47	80	1951	10	1927		26	55	1965	1	1968		0.04	2.55	1984	
MONTH	39.3	49.9	86	1955	3	1983		28.6	64	1948	-8	1989		1.40	2.78	1892	

*The most tornadoes reported in **DECEMBER** for Oklahoma was **(4)** in **1982**.

TULSA CLIMATE CALENDAR
 DATA COURTESY OF NATIONAL WEATHER SERVICE NORMAN
MONTH December

The data on this calendar is for Tulsa.
 Normal values are calculated for the period 1961-1990.
 Temperature extremes are for the period 1905-1999.
 Precipitation extremes are for the period 1888-1999.

Day	Avg. Temp	Avg. High	Record High	Year	Lowest Max	Year	2000	Avg. Low	Highest Min	Year	Record Low	Year	2000	Avg. Ppt.	Greatest Ppt.	Year	2000
1	44	53	77	1950	26	1985		34	59	1982	14	1985		0.09	1.48	1909	
2	43	53	76	1995	24	1985		33	58	1951	11	1985		0.09	1.40	1913	
3	43	53	77	1916	27	1919		33	60	1998	15	1929		0.09	0.87	1913	
4	42	52	77	1906	27	1972		32	58	1922	20	1945		0.08	1.30	1944	
5	42	52	77	1989	32	1992		32	61	1980	10	1950		0.08	1.14	1913	
6	42	52	77	1966	18	1972		32	64	1980	3	1950		0.08	1.65	1935	
7	41	51	80	1966	19	1909		31	55	1916	4	1950		0.08	1.48	1926	
8	41	51	73	1991	19	1909		31	61	1946	-3	1917		0.08	1.01	1956	
9	41	50	75	1993	22	1937		31	58	1946	0	1917		0.08	1.26	1992	
10	40	50	74	1996	22	1917		30	56	1996	3	1919		0.08	1.73	1960	
11	40	50	76	1929	27	1917		30	53	1929	4	1917		0.07	0.87	1946	
12	40	50	73	1924	19	1932		30	51	1939	3	1962		0.07	1.82	1923	
13	39	49	80	1948	19	1917		29	54	1927	4	1917		0.07	2.33	1984	
14	39	49	74	1933	20	1926		29	64	1948	4	1958		0.07	3.02	1971	
15	39	49	77	1948	19	1951		29	58	1929	-1	1989		0.07	0.72	1930	
16	39	48	77	1908	15	1932		29	52	1929	3	1989		0.07	0.85	1961	
17	38	48	78	1908	23	1964		28	61	1908	2	1932		0.07	1.00	1959	
18	38	48	72	1939	23	1981		28	48	1939	4	1964		0.07	0.85	1934	
19	38	48	70	1967	9	1983		28	55	1978	-1	1924		0.07	1.90	1987	
20	38	47	75	1966	17	1924		28	49	1967	3	1924		0.06	1.44	1991	
21	37	47	70	1979	15	1916		27	48	1941	0	1989		0.06	1.03	1997	
22	37	47	71	1982	7	1989		27	55	1979	-6	1989		0.06	1.51	1966	
23	37	47	73	1982	9	1983		27	60	1982	-8	1989		0.06	4.23	1932	
24	37	47	80	1955	5	1983		27	54	1982	-2	1983		0.06	2.80	1965	
25	36	46	73	1922	12	1983		26	51	1971	-2	1983		0.06	1.29	1987	
26	36	46	69	1971	23	1983		26	57	1936	9	1914		0.06	0.97	1987	
27	36	46	77	1946	27	1915		26	55	1946	8	1925		0.06	1.62	1943	
28	36	46	74	1928	20	1917		26	62	1984	0	1924		0.06	0.98	1927	
29	36	46	71	1984	12	1917		26	52	1992	3	1983		0.06	0.84	1971	
30	36	46	77	1951	20	1946		26	58	1965	2	1983		0.05	0.36	1922	
31	35	46	78	1951	18	1927		25	54	1965	0	1969		0.05	3.27	1984	
MONTH	38.9	48.8	80	1966	5	1983		28.9	64	1980	-8	1989		0.07	4.23	1932	

* The average number of tornadoes reported in **DECEMBER** for Oklahoma is **(0.4)**.