

# 1998 OKLAHOMA ANNUAL SUMMARY

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## ANNUAL SUMMARY FOR 1998

Although much of Oklahoma suffered through an intense drought in 1998, plentiful moisture during the other seasons and in other parts of the state actually provided the state with above normal precipitation. The statewide-averaged precipitation for the year, 36.57 inches, was 2.33 inches greater than normal, ranking 1998 as Oklahoma's 32<sup>nd</sup> wettest year since 1892. The west central, southwestern, and south central climate divisions, each suffering record-breaking droughts that extended from April through September, finished the year with less than normal precipitation.

### Statewide-Averaged Precipitation in inches by Season (Rank: 1=driest, 107=wettest)

Season	Precip.	Dep.	Rank
Winter (Dec 97-Feb 98)	8.96	+4.26	106
Spring (Mar-May 98)	10.68	-0.08	61
Summer (Jun-Aug 98)	5.77	-3.62	5
Autumn (Sep-Nov 98)	13.23	+3.80	99

The drought began in early April, serendipitously providing excellent ripening and harvest weather for a bumper wheat crop. Southeastern portions of the state were affected first. The dry weather then spread across the southern two-thirds of the state. Over 300 wildfires, most manmade, some intentionally, destroyed as much as 14,000 acres of woodland during July. Spring planted crops were stunted by the lack of moisture. State cotton producers reported their smallest harvest since record keeping began in 1895. Agricultural losses were estimated at \$2 billion. Tropical Storm Frances brought drought-breaking rains to eastern Oklahoma in mid-September. The state entered a period of widespread rain during a stormy October, effectively ending the drought, although some areas in southwestern and south central Oklahoma still had not recovered completely by year's end.

### Climate Division-averaged Precipitation in inches (Rank: 1=driest, 104=wettest)

	Apr-Sep	Dep.	Rank (Record-year)	Ann.	Dep.
Panhandle	12.02	-3.11	25 (1910)	24.41	+4.08
North Central	16.83	-2.87	29 (1956)	40.10	+11.04
Northeast	21.46	-2.79	29 (1901)	46.11	+5.96
West Central	7.58	-10.99	1 (1984)	25.38	-1.76
Central	13.87	-8.05	6 (1956)	36.76	+2.08
East Central	18.81	-5.57	14 (1936)	47.52	+4.43
Southwest	6.31	-12.34	1 (1984)	23.07	-5.10
South Central	10.20	-12.25	1 (1956)	34.21	-3.34
Southeast	18.91	-6.45	13 (1896)	50.29	+1.57

Flooding occurred along several streams in March, notably: Poteau, Cimarron, North Fork of the Red, Deep Fork, and Washita rivers and Bird Creek. Erosion by floodwaters along the Cimarron caused the bank to collapse from under homes in the Twin Lakes

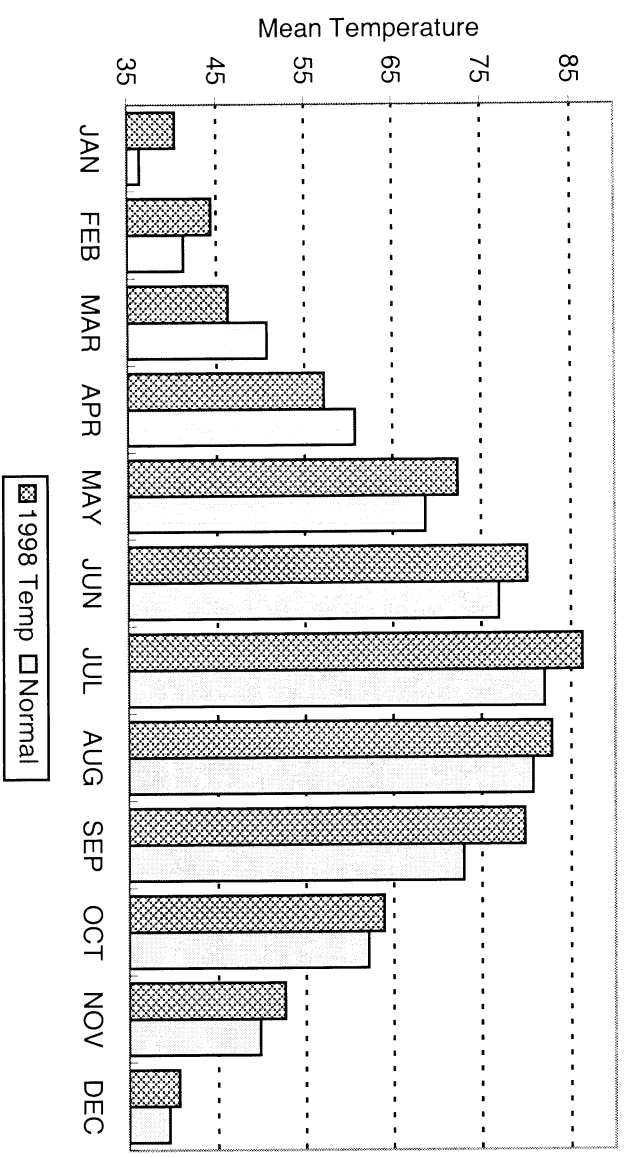
community south of Crescent. Further flooding was reported in the northeastern quarter of the state in October and early November in response to frequent and widespread heavy rain.

Average monthly temperatures were greater than normal, statewide, in every month except March and April. The statewide-averaged temperature, 62.3 degrees, was 2.0 degrees greater than normal, making 1998 the 10<sup>th</sup> warmest year since 1892. Summer temperatures averaged 83.2 degrees across the state, 3.2 degrees greater than normal. During autumn, temperatures averaged 65.4 degrees, exceeding the seasonal normal by 3.8 degrees. These were the 4<sup>th</sup> warmest autumn and the 8<sup>th</sup> warmest summer in the 107 years on record. The statewide-averaged temperature in July was the 4<sup>th</sup> highest for that month on record. The state experienced its 2<sup>nd</sup> warmest September since 1892. Twenty-four people died from heat-related causes in Oklahoma from July through September.

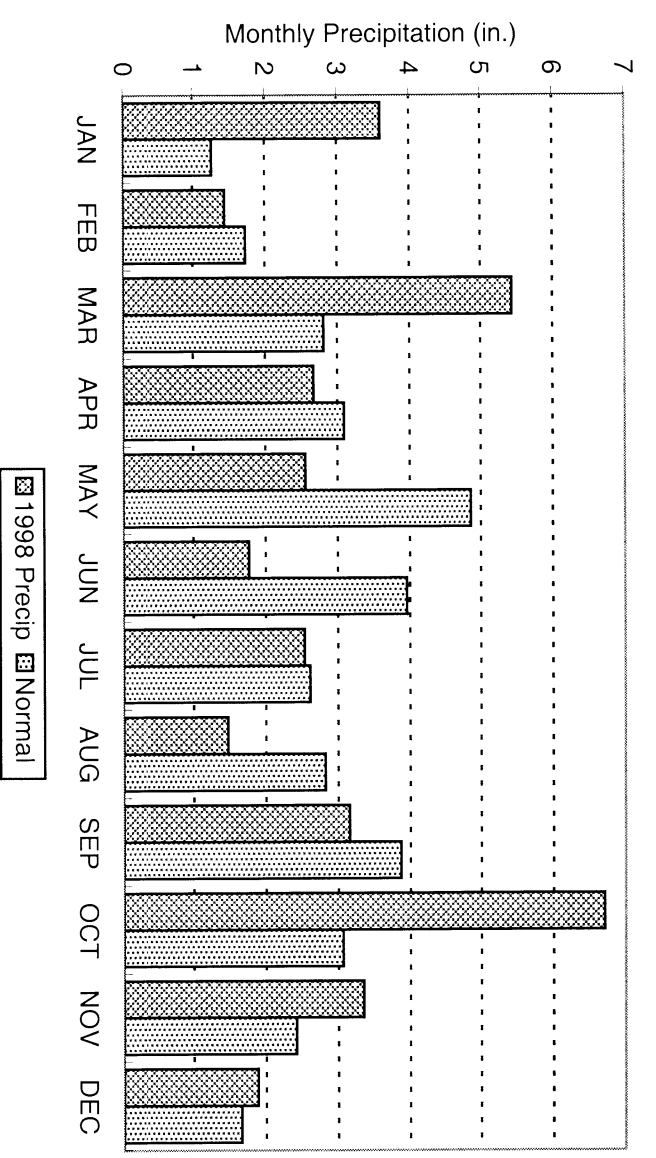
Oklahoma was battered by 83 tornadoes in 1998, the 5<sup>th</sup> greatest number in a single year since 1950. A total of 27 tornadoes were reported, statewide, in October, obliterating the previous state record for the month of 8 set in 1970. Twenty-six of those tornadoes occurred on the 4<sup>th</sup> to establish a national record for “most tornadoes in one state on one day in October.” Other active months were May and June, each with 22 tornadoes. There were 35 injuries and no deaths associated with tornadoes in 1998. Twenty-two people were injured on June 13 when 9 tornadoes struck in central Oklahoma. Twenty-one people were injured were in the northern Oklahoma City when one tornado struck moved through Nichols Hills and vicinity and another one narrowly missed a crowded amusement park. Eleven injuries were associated with October 4 tornadoes, including six in Lincoln County near Prague and four near Haydenville in Okfuskee County. Two tornadoes, May 24 near Lamont in Grant County and October 4 in Seminole and Pottawatomie south of Prague, reached F3 (severe tornado) on the Fujita rating scale.

Howard L. Johnson

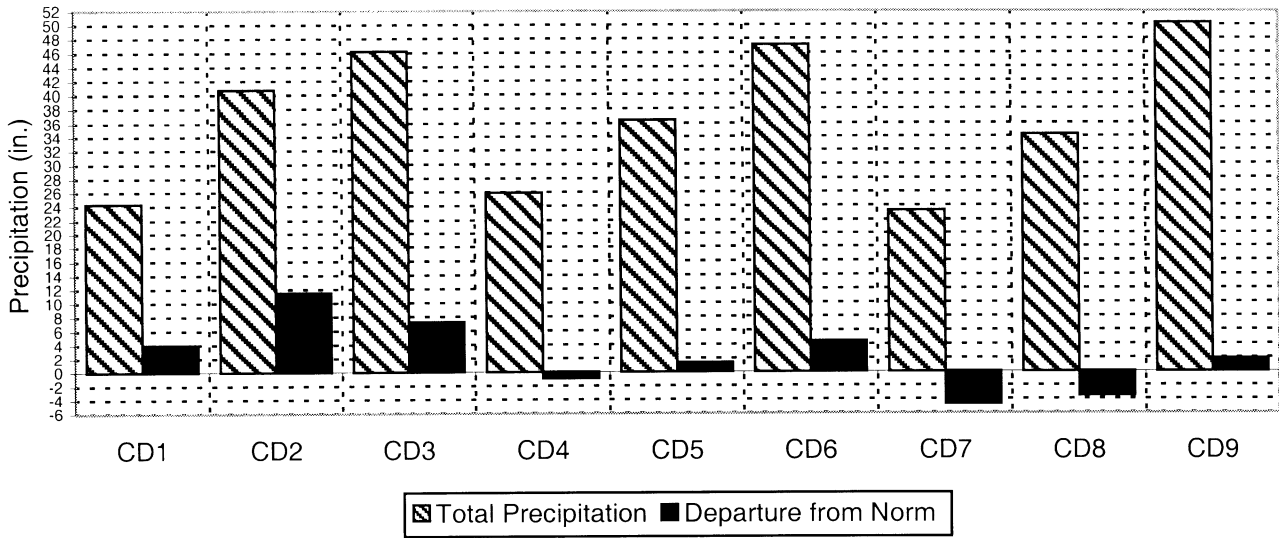
### 1998 STATEWIDE-AVERAGED TEMPERATURES Monthly Averages



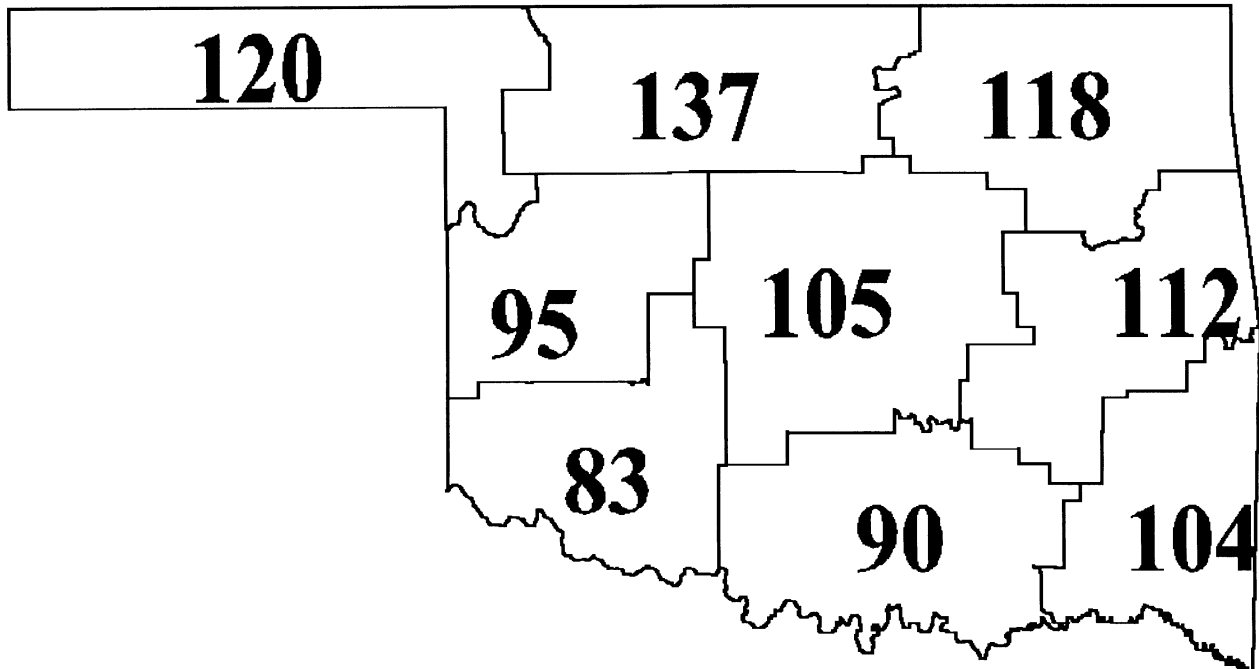
### 1998 STATEWIDE-AVERAGED PRECIPITATION Monthly Totals



### CD Averaged Precipitation 1998 Annual



### 1998 CLIMATE DIVISION PERCENT OF NORMAL PRECIPITATION



**TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)**

**CLIMATE DIVISION 1 (PANHANDLE)**

	JAN	DEP	FEB	DEP	MAR	DEP	APR	DEP	MAY	DEP	JUN	DEP	JUL	DEP	AUG	DEP	SEP	DEP	OCT	DEP	NOV	DEP	DEC	DEP	ANN	DEP	
ARNETT	1.14	0.68	0.76	-0.25	4.49	2.86	2.06	0.28	3.21	-0.92	0.24	-3.46	3.19	1.30	1.27	-1.14	0.19	-2.34	4.22	2.39	3.38	1.95	0.80	0.03	24.96	1.38	
BEAVER	0.00	-0.40	1.22	0.44	4.50	3.05	1.40	-0.15	3.38	0.34	0.36	-3.13	6.46	3.60	2.37	-0.58	0.14	-1.68	6.21	5.02	1.83	0.81	0.35	-0.24	28.22	7.08	
BOISE CITY	0.00	-0.30	0.77	0.27	2.97	2.09	0.89	-0.29	0.54	-2.04	0.69	-2.10	7.32	4.57	4.62	2.17	0.65	-1.18	4.52	3.66	0.62	-0.11	0.16	-0.22	23.74	6.52	
BUFFALO	1.64	1.15	0.68	-0.36	2.30	0.44	1.12	-1.23	2.25	-2.11	2.35	-1.64	3.73	0.74	1.71	-1.75	*	*	5.38	3.44	3.40	1.78	0.05	-0.75	*	*	
FARGO	1.52	1.05	0.70	-0.28	3.95	2.32	2.54	0.53	2.47	-1.22	0.34	-2.97	5.39	3.35	0.98	-1.73	0.37	-1.90	5.22	3.58	3.99	2.69	0.52	-0.25	28.01	5.17	
GATE	0.67	0.12	0.52	-0.32	4.53	2.85	*	*	*	*	*	*	7.79	5.36	2.46	-0.42	0.06	-2.03	3.84	2.43	2.50	1.40	0.28	-0.42	*	*	
GOODWELL	0.00	-0.27	*	*	2.31	1.44	*	*	*	*	0.00	-2.68	6.20	3.68	3.09	0.93	0.08	-1.60	5.84	4.88	*	*	*	*	*	*	
GUYMON	0.00	*	*	*	*	*	*	*	1.33	*	0.13	*	5.92	*	2.36	*	0.04	*	*	*	*	*	0.60	*	*	*	*
HOOKER	*	*	*	*	*	*	*	*	1.35	-1.61	0.15	-2.79	6.66	4.37	0.75	-1.56	0.37	-1.68	6.84	5.90	1.04	0.26	0.59	0.18	*	*	
KENTON	0.01	-0.27	*	*	1.76	0.98	1.12	-0.09	0.64	-1.85	0.74	-1.42	6.49	3.15	*	*	3.23	1.38	*	*	*	*	*	*	*	*	
LAVERNE	0.71	0.18	0.49	-0.48	3.80	2.10	1.75	0.13	1.88	-1.41	0.54	-2.53	3.37	0.84	2.31	-0.55	0.15	-1.87	4.66	3.25	2.01	0.84	0.31	-0.42	22.00	0.08	
RANGE	0.02	*	0.68	*	*	*	1.01	*	*	*	0.10	*	4.16	*	0.93	*	0.18	*	4.78	*	1.85	*	1.06	*	*	*	*
REGNIER	0.00	-0.30	0.80	0.48	1.87	1.14	1.30	0.21	0.47	-1.78	0.94	-1.30	7.00	4.66	2.88	1.00	0.00	-1.70	4.89	4.13	1.27	0.71	0.35	0.02	21.78	7.27	

**TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)**

**CLIMATE DIVISION 2 (NORTH CENTRAL)**

	JAN	DEP	FEB	DEP	MAR	DEP	APR	DEP	MAY	DEP	JUN	DEP	JUL	DEP	AUG	DEP	SEP	DEP	OCT	DEP	NOV	DEP	DEC	DEP	ANN	DEP	
ALVA	0.84	*	0.29	*	5.66	*	2.03	*	3.79	*	0.64	*	3.39	*	2.24	*	0.66	*	8.44	*	4.52	*	0.58	*	33.08	*	
BILLINGS	1.14	0.14	1.20	-0.19	6.19	3.50	4.69	1.60	3.83	-0.68	0.52	-3.63	4.74	1.61	0.46	-2.67	2.56	-1.98	10.18	7.45	5.36	3.09	1.76	0.39	42.65	8.63	
BLACKWELL	0.84	-0.11	0.45	-0.62	6.04	3.64	3.89	0.92	4.45	-0.29	2.24	-1.67	9.98	6.84	0.48	-2.71	4.43	0.35	12.25	9.55	5.91	3.63	1.50	0.15	52.48	19.68	
BRAMAN	1.03	*	0.52	*	*	*	3.02	*	4.76	*	1.25	*	*	*	1.30	*	1.99	*	11.94	*	*	*	2.06	*	*	*	*
CEDARDALE	0.52	*	0.63	*	2.77	*	2.84	*	3.39	*	0.08	*	2.62	*	2.44	*	1.15	*	7.26	*	4.15	*	1.24	*	29.10	*	
CHEROKEE	0.00	-0.85	0.00	-1.15	*	*	*	*	*	*	*	*	7.67	4.93	1.33	-1.69	0.68	-2.38	*	*	2.35	0.83	1.25	0.12	*	*	
ENID	1.24	0.28	1.33	-0.08	*	*	3.96	1.09	*	*	*	*	*	*	*	*	2.34	-1.14	5.87	2.76	4.86	2.65	*	*	*	*	
FT SUPPLY	0.83	0.38	0.63	-0.33	5.05	3.43	2.18	0.44	*	*	0.15	-2.84	3.46	1.27	2.09	-0.73	1.58	-0.73	8.04	6.50	0.22	-1.04	0.58	-0.14	*	*	
FREEDOM	1.40	0.86	0.13	-0.75	*	*	*	*	*	*	0.38	-2.76	*	*	*	*	0.32	-2.27	5.19	3.33	5.18	3.83	0.80	-0.01	*	*	
GRT SLT PLNS	*	*	*	*	*	*	2.90	0.24	4.42	0.57	*	*	6.40	3.71	1.52	-1.75	0.68	-2.65	14.71	12.65	5.57	3.74	1.55	0.73	*	*	
HARDY	1.09	*	0.64	*	5.50	*	4.49	*	2.79	*	0.60	*	7.83	*	0.06	*	4.68	*	11.83	*	7.59	*	1.44	*	48.55	*	
HELENA	0.87	0.09	0.70	-0.45	5.84	3.45	3.41	0.93	2.86	-1.16	0.59	-3.23	5.07	2.45	1.52	-1.24	2.11	-1.12	8.67	6.58	4.52	2.71	1.52	0.54	37.69	9.55	
JEFFERSON	1.79	0.94	0.13	-1.04	*	*	*	*	4.63	0.11	1.88	-2.16	5.45	2.12	*	*	1.47	-2.22	15.76	13.11	*	*	1.93	0.74	*	*	
LAMONT	1.19	*	1.03	*	5.41	*	4.31	*	3.65	*	2.85	*	6.67	*	1.90	*	2.11	*	10.49	*	5.32	*	1.83	*	46.76	*	
MEDFORD	2.02	*	0.14	*	6.14	*	3.60	*	5.67	*	2.14	*	5.56	*	0.65	*	3.37	*	15.54	*	2.28	*	1.71	*	48.82	*	
MORRISON	3.57	*	0.02	*	5.37	*	4.66	*	3.40	*	2.13	*	4.52	*	1.84	*	1.61	*	9.15	*	6.54	*	1.48	*	44.30	*	
MUTUAL	0.89	0.29	0.64	-0.43	3.30	1.24	2.22	-0.21	3.09	-0.93	0.25	-3.06	4.34	1.99	0.91	-1.29	0.33	-2.32	7.36	5.68	3.91	2.51	0.95	0.21	28.19	3.68	
NEWKIRK	1.22	0.35	0.84	-0.33	7.27	4.90	4.26	1.17	1.86	-3.03	*	*	7.83	4.55	0.07	-3.38	4.54	0.27	12.34	9.11	6.43	4.02	1.54	0.11	*	*	
ORIENTA	1.07	0.36	0.52	-0.51	4.21	2.12	3.51	0.90	2.35	-1.43	0.10	-3.61	4.42	1.82	0.12	-2.62	1.06	-2.00	7.46	5.58	3.24	1.52	1.15	0.34	29.22	2.47	
PERRY	1.29	0.35	*	*	*	*	4.40	1.70	3.64	-1.63	1.43	-2.46	4.59	1.50	*	*	*	*	*	*	6.34	4.22	1.66	0.33	*	*	
PONCA CITY	*	*	0.11	-1.22	6.03	3.50	4.45	1.63	3.37	-1.19	2.38	-1.54	9.42	5.72	*	*	*	*	11.61	8.69	6.47	4.21	2.03	0.62	*	*	
RED ROCK	1.09	0.19	0.48	-0.90	6.52	3.93	4.73	1.97	3.98	-0.63	0.89	-3.20	4.85	1.96	0.22	-2.61	2.13	-2.10	19.62	16.83	2.70	0.61	1.82	0.48	49.04	16.53	
WOODWARD	1.24	0.70	*	*	4.48	2.66	1.64	-0.41	2.58	-1.38	0.42	-2.76	2.17	-0.42	2.32	-0.59	0.00	-2.34	7.05	5.18	3.82	2.45	1.01	0.17	*	*	

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TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

CLIMATE DIVISION 5 (CENTRAL)

	JAN	DEP	FEB	DEP	MAR	DEP	APR	DEP	MAY	DEP	JUN	DEP	JUL	DEP	AUG	DEP	SEP	DEP	OCT	DEP	NOV	DEP	DEC	DEP	ANN	DEP	
AMBER	3.71	*	1.86	*	4.56	*	2.34	*	1.81	*	2.77	*	0.00	*	0.39	*	2.29	*	4.86	*	3.56	*	1.42	*	29.57	*	
ARCADIA	3.21	*	1.67	*	7.02	*	2.84	*	2.92	*	2.81	*	0.76	*	0.72	*	4.46	*	6.74	*	3.73	*	1.25	*	38.13	*	
BLANCHARD	*	*	2.01	0.26	6.45	3.76	2.46	-0.65	2.33	-2.62	1.81	-2.20	0.00	-2.57	1.16	-1.57	3.17	-0.99	2.99	-0.38	3.74	1.64	2.05	0.46	*	*	
BRISTOW	3.42	2.04	1.03	-0.90	7.34	4.30	6.28	2.95	3.52	-1.99	1.47	-2.40	1.45	-1.29	0.70	-1.96	*	*	6.51	3.36	3.19	0.30	2.23	0.16	*	*	
CHICKASHA	4.65	3.62	2.66	1.07	6.25	3.75	3.69	0.94	1.34	-3.34	0.00	-3.71	0.00	-2.09	0.85	-1.91	0.74	-3.06	4.17	0.92	4.73	2.78	1.74	0.48	30.82	-0.55	
COX CITY	4.25	*	1.98	*	6.36	*	5.28	*	0.85	*	1.37	*	0.00	*	1.46	*	0.97	*	3.39	*	2.29	*	1.66	*	29.86	*	
CRESCENT	1.23	*	0.85	*	6.08	*	3.31	*	3.14	*	1.47	*	0.82	*	0.39	*	3.10	*	6.19	*	5.80	*	1.43	*	33.81	*	
EDMOND	2.59	*	1.09	*	6.50	*	3.68	*	2.48	*	2.60	*	0.24	*	0.31	*	4.55	*	11.12	*	1.04	*	0.64	*	36.85	*	
EL RENO	1.99	0.99	1.56	0.26	5.29	2.95	1.89	-0.68	3.08	-2.33	*	*	*	*	0.33	-2.46	1.35	-2.78	5.50	2.98	3.97	2.22	1.10	0.06	*	*	
GUTHRIE	2.63	1.48	1.35	-0.31	5.10	2.28	3.90	1.24	4.63	-0.34	3.00	-1.23	0.46	-1.87	0.17	-2.10	2.21	-2.10	*	*	2.31	0.02	1.18	-0.32	*	*	
HENNESSEY	1.22	0.36	1.32	0.09	5.31	2.96	3.17	0.48	*	*	0.45	-3.73	1.34	-1.21	*	*	*	*	*	*	5.51	3.57	2.39	1.35	*	*	
INGALLS	2.86	*	0.42	*	7.67	*	4.50	*	3.29	*	2.49	*	1.86	*	3.41	*	5.27	*	8.13	*	4.35	*	1.85	*	46.10	*	
KINGFISHER	*	*	1.68	0.29	*	*	3.05	0.44	3.09	-1.54	0.49	-3.78	*	*	*	*	*	*	*	5.16	2.83	5.37	3.46	1.98	0.79	*	*
KONAWA	2.66	1.15	0.56	-1.52	6.42	3.21	6.43	2.35	0.81	-4.89	1.71	-2.37	0.00	-2.02	0.88	-1.11	2.70	-1.74	4.93	0.86	3.00	0.27	2.17	0.29	32.27	-5.52	
MARSHALL	1.48	0.60	0.63	-0.64	6.00	3.53	3.43	0.87	2.60	-2.28	0.30	-3.68	3.86	1.59	0.34	-2.23	3.70	-0.13	7.73	4.98	5.01	3.10	1.29	0.14	36.37	5.85	
MEEKER	3.06	2.02	1.13	-0.90	6.42	3.61	*	*	2.14	-3.43	1.57	-2.61	*	*	0.58	-1.88	3.15	-1.14	*	*	3.15	0.59	*	*	*	*	
MULHALL	2.12	*	0.01	*	5.44	*	3.76	*	2.97	*	1.57	*	*	*	0.97	*	3.73	*	8.64	*	4.38	*	1.22	*	*	*	
NORMAN NWS	4.73	3.41	0.73	-0.99	6.73	3.84	3.58	0.35	1.54	-3.62	2.10	-1.99	0.33	-2.43	0.17	-2.69	6.76	2.67	4.05	0.82	3.65	1.17	1.13	-0.46	35.50	0.08	
OKEMAH	4.33	2.88	1.68	-0.23	6.27	3.12	4.42	0.50	5.30	0.00	2.24	-1.95	0.58	-2.58	0.67	-1.97	4.54	0.28	7.65	3.81	3.49	0.55	2.19	0.19	43.37	4.60	
OKLA CITY FD	*	*	1.75	*	6.24	*	3.62	*	1.92	*	2.97	*	0.04	*	0.34	*	4.21	*	5.55	*	*	*	1.80	*	*	*	
OKLA CITY AS	4.10	2.97	0.13	-1.43	6.46	3.75	3.34	0.57	2.13	-3.09	2.68	-1.64	0.02	-2.59	0.48	-2.12	4.37	0.53	6.76	3.53	3.09	1.11	1.63	0.23	35.18	1.82	
PERKINS	3.02	1.85	0.54	-1.13	7.66	4.76	4.99	2.07	2.46	-3.03	2.22	-2.21	1.51	-1.15	0.90	-1.64	5.75	1.35	8.88	5.91	4.57	2.13	1.62	0.09	44.12	9.00	
PIEDMONT	1.99	*	1.32	*	5.37	*	3.82	*	3.44	*	1.85	*	0.13	*	0.83	*	2.08	*	4.95	*	6.58	*	0.58	*	32.94	*	
PRAGUE	3.66	2.23	0.92	-1.02	6.50	3.32	4.21	0.51	2.29	-3.00	0.75	-3.05	1.11	-1.85	2.18	-0.25	2.54	-1.94	8.74	4.91	2.96	0.29	1.96	0.14	37.84	0.29	
PURCELL	4.65	3.31	2.41	0.44	6.35	3.22	5.05	1.44	1.92	-3.65	*	*	*	*	0.75	-1.94	5.29	0.93	5.00	1.06	3.34	0.84	1.93	0.10	*	*	
SEMINOLE	3.66	2.18	0.45	-1.56	5.28	2.01	5.50	1.68	1.86	-3.37	2.01	-2.20	0.11	-2.41	2.82	0.18	5.28	0.89	7.98	4.13	2.85	-0.07	1.87	0.05	39.68	1.51	
SHAWNEE	4.42	3.05	1.33	-0.68	6.05	2.86	4.67	0.69	3.27	-2.40	1.97	-2.35	0.33	-1.84	0.82	-1.68	3.37	-0.85	7.31	3.24	2.95	0.06	1.70	-0.18	38.20	-0.08	
STELLA	3.66	*	1.87	*	6.72	*	3.56	*	2.70	*	1.68	*	0.16	*	0.51	*	5.69	*	6.01	*	3.26	*	1.28	*	37.11	*	
STILLWATER	*	*	0.47	-1.06	7.10	4.31	5.22	2.30	3.34	-1.79	1.39	-2.61	1.80	-1.10	1.50	-1.26	4.59	0.30	8.72	5.89	5.68	3.43	*	*	*	*	
STROUD	3.73	*	1.44	*	5.90	*	4.61	*	1.79	*	2.39	*	2.57	*	0.31	*	2.54	*	13.05	*	3.01	*	1.93	*	43.28	*	
TECUMSEH	3.97	*	1.75	*	5.96	*	*	*	1.40	*	2.35	*	0.00	*	2.19	*	5.05	*	5.78	*	2.22	*	0.50	*	*	*	
TROUSDALE	4.11	*	1.67	*	5.00	*	6.80	*	1.81	*	1.33	*	0.00	*	*	*	3.14	*	6.58	*	3.42	*	1.63	*	*	*	
UNION CITY	4.25	2.89	0.39	-1.19	5.55	2.64	1.92	-0.94	1.68	-3.90	1.48	-3.20	0.00	-2.30	0.84	-2.04	2.75	-1.48	3.66	0.39	6.35	4.05	1.34	-0.01	30.24	-5.09	
WELTY	3.97	*	0.97	*	6.20	*	5.32	*	3.85	*	1.85	*	*	*	1.01	*	3.16	*	12.75	*	3.43	*	1.69	*	*	*	
WEWOKA	5.30	3.85	0.84	-1.35	6.19	2.94	5.40	1.69	1.88	-3.33	1.76	-2.30	0.61	-1.76	1.81	-0.96	5.59	1.27	5.78	2.07	3.59	0.80	2.91	1.01	41.66	3.93	



**TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)**

**CLIMATE DIVISION 6 (EAST CENTRAL)**

	JAN	DEP	FEB	DEP	MAR	DEP	APR	DEP	MAY	DEP	JUN	DEP	JUL	DEP	AUG	DEP	SEP	DEP	OCT	DEP	NOV	DEP	DEC	DEP	ANN	DEP
ASHLAND	10.44	*	1.25	*	7.10	*	0.87	*	1.52	*	2.55	*	0.00	*	1.03	*	3.92	*	4.65	*	3.62	*	3.34	*	40.30	*
BEGGS	3.96	*	1.09	*	5.96	*	2.61	*	3.54	*	1.19	*	1.46	*	1.28	*	3.55	*	10.88	*	3.97	*	1.66	*	41.15	*
CALVIN	4.40	2.80	0.80	-1.32	8.41	4.61	1.32	-2.88	2.70	-2.98	1.65	-2.88	0.11	-2.96	0.47	-1.94	2.32	-2.12	4.02	-0.08	1.60	-1.37	2.82	0.63	30.62	-10.50
CHECOTAH	9.07	7.44	1.28	-0.91	6.65	2.95	2.26	-1.86	3.83	-1.59	2.11	-1.78	2.98	-0.06	1.69	-1.15	8.78	3.90	6.40	2.17	3.45	0.14	2.80	0.35	51.32	9.60
CLAYTON	9.34	*	2.15	*	5.55	*	1.31	*	4.19	*	2.63	*	1.80	*	3.67	*	9.15	*	4.78	*	3.78	*	4.62	*	52.97	*
DEWAR	6.97	5.38	1.01	-1.22	5.52	1.97	1.88	-2.14	4.25	-0.98	*	*	1.46	-1.92	2.42	-0.09	5.61	1.07	8.55	4.59	4.75	1.65	2.59	0.50	*	*
DUSTIN	7.96	*	1.19	*	6.06	*	1.94	*	2.89	*	2.19	*	0.94	*	*	*	5.48	*	9.17	*	4.38	*	2.89	*	*	*
HANNA	7.57	5.84	1.60	-0.78	5.09	1.02	2.19	-1.90	3.92	-2.09	5.70	1.99	1.16	-1.65	2.13	-0.43	5.70	1.12	6.67	2.52	4.24	0.78	3.05	0.61	49.04	7.03
HASKELL	5.09	3.23	1.27	-0.90	6.17	2.57	2.21	-1.44	3.45	-1.76	1.59	-3.11	2.44	-0.17	3.57	1.05	6.12	1.73	10.93	6.86	3.01	-0.48	2.42	0.14	48.27	7.72
LYONS	7.21	5.42	2.35	0.43	6.45	2.20	3.52	-1.25	2.90	-2.71	4.53	0.07	2.63	-0.28	2.36	-0.80	7.80	2.98	8.51	5.03	3.56	-0.21	2.91	0.16	54.73	11.04
MARBLE CITY	9.67	*	2.67	*	6.75	*	2.71	*	3.93	*	4.40	*	1.70	*	*	*	8.38	*	*	*	2.74	*	2.68	*	*	*
MCALESTER	*	*	0.25	-2.39	4.21	0.21	0.83	-3.27	1.45	-4.44	4.25	0.27	0.19	-2.48	0.71	-2.34	2.38	-2.48	5.66	1.08	3.04	-0.47	2.38	-0.24	*	*
MCCURTAIN	9.52	7.36	2.13	-0.81	4.24	0.13	3.10	-1.44	4.28	-1.77	4.30	0.13	1.07	-2.10	2.68	-0.23	9.25	4.49	4.70	0.80	3.41	-0.95	4.03	1.21	52.71	6.82
MUSKOGEE	3.64	1.84	1.12	-1.19	5.97	2.42	1.48	-2.60	*	*	5.30	1.01	*	*	0.58	-2.26	8.82	4.31	4.55	0.40	3.86	0.31	2.81	-0.09	*	*
OKTAHA	6.92	*	1.36	*	6.20	*	1.41	*	4.04	*	0.95	*	4.42	*	0.37	*	9.57	*	5.30	*	3.71	*	2.70	*	46.95	*
SALLISAW	8.45	6.45	2.95	0.23	6.62	2.38	2.70	-1.69	3.10	-2.71	3.41	-0.15	2.71	-0.29	2.14	-1.25	5.83	1.32	5.62	1.18	4.16	0.05	3.19	0.38	50.88	5.90
SCIPIO	7.87	*	2.18	*	5.47	*	1.66	*	2.16	*	2.19	*	0.11	*	1.07	*	5.87	*	5.68	*	3.72	*	3.12	*	41.10	*
SHORT	7.43	*	2.23	*	5.71	*	2.24	*	*	*	3.85	*	2.77	*	4.42	*	8.98	*	4.68	*	4.99	*	2.61	*	*	*
STILWELL	8.61	6.53	3.20	0.54	6.97	2.69	4.54	0.04	*	*	4.59	0.37	1.56	-1.49	1.99	-1.90	5.78	1.06	8.16	4.08	5.09	1.31	3.08	-0.08	*	*
TAHLEQUAH	6.25	4.24	1.98	-0.43	5.53	1.44	1.73	-2.43	4.46	-0.92	1.82	-2.71	5.99	3.01	1.93	-1.78	6.12	1.13	6.65	2.44	4.93	1.35	2.38	-0.62	49.78	4.72
WEBBERS FALL	8.54	6.73	*	*	*	*	1.90	-2.30	3.00	-2.64	*	*	*	*	1.72	-1.17	7.94	3.33	5.79	1.27	3.29	-0.08	3.19	0.48	*	*
WESTVILLE	*	*	2.07	*	9.98	*	1.66	*	*	*	2.85	*	*	*	2.28	*	5.92	*	8.32	*	*	*	2.40	*	*	*
WETUMKA	7.90	6.41	0.95	-1.19	6.23	2.63	2.86	-1.38	3.37	-1.92	2.07	-2.03	0.76	-2.16	*	*	5.35	0.77	6.83	2.99	5.63	2.41	2.90	0.78	*	*

**TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)**

**CLIMATE DIVISION 7 (SOUTHWEST)**

	JAN	DEP	FEB	DEP	MAR	DEP	APR	DEP	MAY	DEP	JUN	DEP	JUL	DEP	AUG	DEP	SEP	DEP	OCT	DEP	NOV	DEP	DEC	DEP	ANN	DEP
ALTUS	1.07	0.23	2.82	1.72	4.24	2.68	0.31	-1.61	1.01	-3.22	0.13	-3.38	0.34	-1.42	2.54	0.09	0.05	-3.39	3.50	1.13	2.30	0.99	0.53	-0.38	18.84	-6.56
ALTUS DAM	1.75	0.98	2.73	1.54	5.65	3.92	0.52	-1.39	2.44	-1.97	0.10	-3.61	0.35	-1.56	1.09	-1.30	0.50	-2.93	3.92	1.18	3.26	1.90	1.21	0.35	23.52	-2.89
ANADARKO	2.89	1.86	2.28	0.87	5.72	3.55	1.91	-0.55	*	*	2.25	-1.61	*	*	0.70	-1.66	0.16	-3.55	5.50	2.80	5.64	3.91	1.16	-0.04	*	*
APACHE	3.05	1.95	2.72	1.28	5.49	3.14	1.70	-0.90	1.21	-3.80	2.28	-1.65	0.00	-2.03	2.31	-0.12	0.15	-3.60	4.93	2.12	5.04	3.23	1.40	0.24	30.28	-0.14
CARNEGIE	2.66	1.73	0.95	-0.40	6.04	4.04	1.60	-0.76	*	*	0.43	-3.57	0.82	-1.18	0.99	-1.33	0.24	-3.79	6.41	4.02	0.89	-0.71	0.96	-0.10	*	*
DUNCAN 11 W	2.87	*	2.45	*	*	*	2.30	*	0.32	*	2.02	*	0.11	*	1.14	*	0.20	*	3.57	*	1.83	*	1.09	*	*	*
HEADRICK	0.87	*	3.02	*	4.33	*	0.60	*	0.86	*	0.70	*	0.81	*	2.41	*	0.49	*	1.67	*	2.20	*	0.00	*	17.96	*
HOBART	*	*	0.80	-0.25	4.55	2.88	0.74	-1.32	1.85	-2.65	*	*	0.48	-1.60	0.60	-1.77	*	*	3.89	1.24	*	*	0.81	-0.03	*	*
HOLLIS	0.52	-0.07	3.22	2.21	3.82	2.44	0.39	-1.59	1.64	-1.88	0.41	-3.28	0.32	-1.30	0.70	-1.74	0.01	-3.12	2.71	0.54	1.97	0.86	0.81	0.13	16.52	-6.80
LAWTON	1.70	0.64	*	*	*	*	1.62	-0.81	0.14	-4.78	2.32	-1.30	*	*	*	*	0.38	-3.28	3.19	0.21	4.15	2.35	1.55	0.30	*	*
LOOKEBA	1.40	0.42	1.52	0.21	5.21	3.03	2.02	-0.44	1.73	-3.08	0.75	-3.41	0.84	-1.05	0.67	-1.91	0.48	-3.87	4.57	1.84	4.93	3.14	1.53	0.51	25.67	-4.61
MANGUM	0.27	-0.48	2.99	1.87	4.43	2.90	0.73	-1.06	2.13	-2.12	0.20	-3.57	0.02	-2.01	0.72	-1.56	0.00	-3.38	4.17	1.51	2.50	1.24	0.30	-0.49	18.47	-7.15
RANDLETT	2.52	*	3.20	*	4.22	*	2.48	*	0.18	*	1.30	*	1.49	*	0.72	*	0.19	*	2.77	*	2.72	*	2.00	*	23.80	*
ROOSEVELT	1.67	0.81	1.15	0.01	5.26	3.53	0.65	-1.71	1.84	-3.01	0.08	-3.58	0.88	-1.18	0.95	-1.43	0.35	-2.98	3.40	0.84	3.39	1.91	0.92	-0.05	20.54	-6.84
SEDAN	1.24	*	2.02	*	5.58	*	1.86	*	1.47	*	0.49	*	0.74	*	0.45	*	0.94	*	4.88	*	2.60	*	0.80	*	23.07	*
SNYDER	2.13	1.23	1.90	0.67	5.34	3.55	0.64	-1.61	*	*	1.93	-1.53	1.78	-0.28	2.05	-0.46	2.17	-1.40	3.60	1.07	3.24	1.70	0.59	-0.39	*	*
VINSON	0.99	0.51	2.53	1.66	3.82	2.35	1.05	-0.63	2.84	-1.13	0.89	-2.57	0.11	-1.52	0.52	-1.77	0.07	-3.13	6.12	3.92	2.44	1.22	1.06	0.36	22.44	-0.73
WALTERS	*	*	2.04	0.24	4.44	1.89	3.19	0.31	0.30	-4.82	1.89	-2.25	0.50	-1.86	0.97	-1.71	0.33	-3.92	3.15	-0.09	3.29	1.20	1.70	0.30	*	*
WILLOW	1.65	*	1.60	*	5.40	*	0.91	*	3.13	*	0.69	*	0.13	*	1.09	*	0.03	*	4.31	*	2.40	*	0.56	*	21.90	*

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

CLIMATE DIVISION 8 (SOUTH CENTRAL)

	JAN	DEP	FEB	DEP	MAR	DEP	APR	DEP	MAY	DEP	JUN	DEP	JUL	DEP	AUG	DEP	SEP	DEP	OCT	DEP	NOV	DEP	DEC	DEP	ANN	DEP
ADA	7.37	5.91	1.63	-0.52	6.87	3.61	4.10	0.61	0.85	-4.77	1.52	-2.58	0.02	-2.39	4.55	1.62	2.67	-1.79	3.96	-0.28	2.75	-0.05	2.53	0.55	38.83	-0.08
ALLEN	9.90	*	1.50	*	8.04	*	2.10	*	1.97	*	1.85	*	0.40	*	0.71	*	4.59	*	3.19	*	3.48	*	3.00	*	40.73	*
ARDMORE	6.13	4.67	1.27	-0.75	5.68	2.58	1.23	-2.30	0.23	-4.75	2.63	-1.23	0.00	-2.13	1.17	-1.36	0.95	-3.22	7.51	3.67	1.16	-1.27	2.63	0.78	30.59	-5.31
BOKCHITO	*	*	3.57	*	3.51	*	2.06	*	0.90	*	2.86	*	0.00	*	0.07	*	2.15	*	3.22	*	2.27	*	2.82	*	*	*
CANEY	7.99	*	2.01	*	5.50	*	1.13	*	1.03	*	2.01	*	1.85	*	0.58	*	2.83	*	6.73	*	3.17	*	4.65	*	39.48	*
CENTRAHOMA	8.10	*	2.15	*	7.20	*	1.15	*	0.45	*	3.05	*	*	*	1.68	*	3.38	*	*	*	*	*	4.25	*	*	*
CHICKASAW NR	*	*	1.51	-0.47	4.88	1.44	*	*	0.86	-4.89	*	*	0.13	-2.54	0.93	-1.20	2.07	-2.57	6.66	2.14	3.71	1.04	*	*	*	*
COLEMAN	3.60	*	*	*	7.65	*	1.20	*	0.83	*	*	*	0.00	*	0.40	*	1.63	*	6.22	*	3.39	*	3.52	*	*	*
COMANCHE	3.91	2.68	1.14	-0.60	8.71	6.08	4.02	1.04	1.05	-3.96	0.79	-3.03	0.00	-1.95	2.31	-0.44	0.65	-3.83	6.15	2.98	2.85	0.77	2.67	1.07	34.25	0.81
DAISY	8.72	6.40	2.34	-0.78	5.12	0.74	1.53	-3.52	2.96	-3.95	4.38	0.12	0.42	-3.01	3.93	0.73	8.33	2.77	6.54	2.03	4.45	0.45	5.21	2.30	53.94	4.28
DUNCAN	5.76	4.57	1.64	-0.06	5.12	2.53	3.41	0.42	0.50	-4.64	2.31	-1.67	0.05	-2.20	1.24	-1.19	0.36	-4.05	3.60	0.24	2.26	0.11	1.58	0.09	27.84	-5.85
ELMORE CITY	4.69	*	1.45	*	4.39	*	4.15	*	0.40	*	1.88	*	0.03	*	0.27	*	1.75	*	7.03	*	2.82	*	1.62	*	30.48	*
GRADY	4.59	*	1.56	*	5.16	*	1.75	*	0.44	*	2.90	*	0.00	*	2.02	*	0.32	*	3.05	*	2.64	*	1.76	*	26.19	*
HEALDTON	5.26	3.85	*	*	*	*	2.06	-1.38	*	*	*	*	0.01	-1.96	0.75	-1.69	3.52	-1.02	3.62	0.04	*	*	2.25	0.60	*	*
HENNEPIN	3.58	*	1.27	*	3.96	*	3.75	*	0.27	*	3.22	*	0.05	*	1.06	*	0.98	*	6.71	*	0.76	*	1.69	*	27.31	*
KETCHUM RAN	3.89	*	1.06	*	7.11	*	3.57	*	0.48	*	2.76	*	0.03	*	2.42	*	0.71	*	5.50	*	3.05	*	2.14	*	32.72	*
KINGSTON	5.80	3.85	1.51	-1.12	6.40	2.84	1.66	-2.22	0.62	-4.67	3.44	-0.64	0.45	-1.66	1.74	-0.86	2.32	-2.46	5.33	1.06	2.53	-0.30	4.08	1.96	35.89	-4.22
LEHIGH	8.16	*	0.85	*	6.05	*	1.50	*	1.05	*	5.70	*	0.00	*	1.35	*	2.10	*	5.40	*	4.21	*	2.55	*	38.93	*
LINDSAY	6.52	5.25	0.64	-1.14	6.11	3.22	4.11	0.76	1.34	-4.10	0.79	-3.23	*	*	1.24	-1.19	1.64	-2.67	5.04	1.39	1.06	-1.16	1.70	0.01	*	*
LOCO	3.84	*	1.77	*	5.43	*	3.28	*	0.35	*	4.86	*	0.12	*	0.67	*	1.34	*	4.50	*	2.57	*	1.61	*	30.34	*
MARIETTA	4.51	3.07	*	*	*	*	1.53	-2.08	0.68	-4.25	3.85	-0.15	*	*	2.69	0.02	*	*	3.33	-0.37	3.13	0.53	1.51	-0.34	*	*
MARLOW	2.94	1.87	2.51	0.92	5.27	2.83	4.54	1.62	0.36	-4.79	1.67	-2.51	0.03	-2.29	2.04	-0.56	*	*	*	*	2.42	0.28	2.60	1.21	*	*
MCGEE CREEK	8.58	*	2.71	*	5.79	*	*	*	2.43	*	3.68	*	0.00	*	2.01	*	4.44	*	6.04	*	*	*	5.10	*	*	*
PAULS VALLEY	4.46	2.99	1.27	-0.58	*	*	1.03	-2.42	0.73	-5.01	*	*	0.17	-2.09	0.49	-1.71	2.49	-1.56	6.76	2.83	3.39	0.86	1.45	-0.35	*	*
PONTOTOC	7.63	6.09	1.39	-0.74	5.69	2.04	1.94	-1.88	1.46	-4.23	5.67	1.56	0.04	-2.50	2.83	0.10	3.13	-0.87	6.54	2.33	3.29	0.33	3.05	1.19	42.66	3.42
TISHOMINGO	6.66	4.94	1.33	-1.03	5.81	2.11	1.69	-2.51	*	*	*	*	0.13	-2.59	1.01	-1.62	1.49	-3.42	*	*	*	*	*	*	*	*
TUSSY	4.38	*	1.64	*	*	*	*	*	0.06	*	2.75	*	0.04	*	1.11	*	0.76	*	5.93	*	1.44	*	1.99	*	*	*
WAURIKA	4.17	3.07	1.34	-0.28	5.31	2.95	2.63	-0.31	0.33	-4.07	3.18	-0.55	0.36	-1.45	2.64	-0.01	0.54	-3.37	3.13	0.17	1.96	0.14	0.72	-0.83	26.32	-4.54

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

CLIMATE DIVISION 9 (SOUTHEAST)

	JAN	DEP	FEB	DEP	MAR	DEP	APR	DEP	MAY	DEP	JUN	DEP	JUL	DEP	AUG	DEP	SEP	DEP	OCT	DEP	NOV	DEP	DEC	DEP	ANN	DEP	
ANTLERS	6.14	4.10	2.27	-0.44	5.52	1.73	1.12	-3.20	3.12	-3.08	1.70	-2.78	0.43	-2.84	2.50	-0.29	5.54	0.73	6.70	2.12	3.89	0.16	4.28	1.40	43.21	-2.39	
BATTIEST	7.66	*	4.55	*	5.94	*	2.12	*	*	*	3.40	*	0.96	*	3.08	*	10.93	*	*	*	*	*	4.75	*	*	*	
BENGAL	8.76	*	2.93	*	5.45	*	3.05	*	4.30	*	5.37	*	0.51	*	4.38	*	5.73	*	6.91	*	3.37	*	4.18	*	54.94	*	
BOSWELL	8.33	6.29	3.80	0.74	5.29	1.51	2.23	-1.67	1.38	-4.29	*	*	0.05	-2.47	1.18	-1.33	2.31	-2.16	5.51	1.32	*	*	4.44	1.66	*	*	
BROKEN BOW	6.84	4.28	*	*	5.02	0.13	1.75	-2.76	2.82	-3.50	1.61	-2.73	0.33	-3.20	2.19	-0.74	10.33	5.79	3.91	-0.42	3.29	-0.95	5.63	1.65	*	*	
CARNASAW	6.23	3.41	6.03	2.49	4.58	-0.68	1.62	-3.27	2.79	-4.00	1.80	-2.75	1.95	-2.06	2.64	-0.31	10.80	6.21	4.39	-0.21	1.90	-2.58	5.03	0.92	49.77	-2.83	
CARTER TWR	6.94	4.35	6.21	2.64	4.69	-0.17	2.40	-2.28	2.04	-4.78	2.36	-1.91	2.11	-1.88	1.87	-1.78	9.14	4.35	7.00	1.94	*	*	4.40	0.28	*	*	
FANSHAW	9.24	7.06	3.67	0.53	6.40	2.07	1.95	-2.66	7.61	0.98	1.51	-2.72	1.07	-2.54	0.86	-2.20	12.39	7.71	8.05	4.16	4.06	-0.45	2.85	-0.36	59.66	11.58	
HEAVENER	*	*	4.11	1.17	5.90	1.82	1.82	-2.65	3.59	-2.91	1.54	-2.53	1.16	-2.28	*	*	7.25	2.68	5.90	1.83	3.25	-1.04	*	*	*	*	
HUGO	6.46	4.30	3.66	0.33	*	*	*	*	2.35	-3.63	2.12	-2.63	1.10	-1.69	0.90	-1.77	4.94	0.41	3.71	-0.53	5.09	1.14	*	*	*	*	
IDABEL	8.55	5.83	5.27	1.74	4.06	-0.79	1.94	-2.48	2.37	-3.53	0.85	-3.44	1.45	-1.89	1.87	-0.69	8.02	3.83	3.61	-0.86	3.75	-0.35	5.65	1.97	47.40	-0.66	
POTEAU	7.05	*	3.88	*	6.94	*	1.89	*	5.66	*	1.63	*	2.45	*	0.39	*	7.36	*	5.55	*	3.81	*	3.50	*	50.12	*	
SMITHVILLE	6.01	3.03	4.81	1.17	*	*	2.15	-2.59	*	*	*	*	*	*	*	*	7.10	2.53	*	*	3.40	-0.98	4.36	0.01	*	*	
SPIRO	7.98	5.90	3.29	0.41	6.07	1.76	1.57	-2.79	3.48	-2.24	3.66	0.13	2.02	-1.22	0.77	-1.56	7.51	3.47	6.91	3.09	3.88	-0.54	3.52	0.46	50.66	6.87	
TUSKAHOMA	6.08	4.06	2.31	-0.63	5.67	1.54	2.73	-1.99	2.66	-4.04	*	*	0.02	-3.69	1.35	-1.95	8.92	3.74	*	*	3.15	-0.98	4.16	1.34	*	*	
VALLIANT	7.32	5.01	4.89	1.42	4.56	0.10	1.63	-2.71	2.65	-3.53	1.04	-2.95	1.43	-2.03	1.13	-1.33	11.84	6.87	7.47	3.47	3.73	-0.43	5.30	1.59	53.00	5.48	
WILBURTON	9.18	6.94	1.90	-1.13	5.93	1.76	2.64	-2.06	5.89	-0.20	4.43	0.31	0.17	-3.59	2.78	-0.32	10.49	5.60	8.35	4.04	3.39	-0.90	3.89	0.90	59.05	11.35	
WISTER	8.45	*	3.92	*	6.23	*	*	*	*	*	*	*	0.84	*	*	*	6.06	*	5.87	*	*	*	*	*	*	*	*

**AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (FARENHEIT)**

	CLIMATE DIVISION 1 (PANHANDLE)																									
	JAN	DEP	FEB	DEP	MAR	DEP	APR	DEP	MAY	DEP	JUN	DEP	JUL	DEP	AUG	DEP	SEP	DEP	OCT	DEP	NOV	DEP	DEC	DEP	ANN	DEP
ARNETT	36.3	3.8	41.3	4.2	39.9	-5.9	52.8	-4.3	68.7	3.0	76.3	1.6	82.8	2.4	78.9	0.3	77.0	7.0	60.1	1.3	48.7	3.0	36.4	1.0	58.3	1.4
BEAVER	33.5	1.9	40.0	4.0	39.1	-5.5	52.5	-3.3	68.9	4.0	76.6	1.7	82.3	1.6	77.7	-0.9	75.1	5.4	60.1	2.5	47.8	3.6	34.5	0.5	57.4	1.3
BOISE CITY	36.9	2.7	39.4	1.4	41.0	-4.3	50.3	-4.9	67.0	3.7	73.9	0.8	79.2	1.3	74.3	-1.2	74.1	6.3	59.4	2.2	48.3	3.6	36.5	0.8	56.7	1.0
BUFFALO	37.6	3.0	43.9	3.9	43.0	-6.0	56.4	-3.3	72.0	3.8	80.8	3.3	86.3	3.1	82.4	1.1	*	*	62.8	1.2	52.0	5.0	39.4	2.3	*	*
GAGE	*	*	*	*	41.7	-6.3	54.5	-4.2	70.7	3.5	*	*	*	*	78.4	-1.7	*	*	60.5	0.1	50.9	4.1	*	*	*	*
GATE	35.6	3.2	41.8	4.3	40.5	-5.3	53.9	-3.3	70.3	4.0	*	*	83.1	1.3	78.7	-1.0	77.1	5.9	61.3	2.0	49.7	4.2	36.7	1.7	*	*
GOODWELL	36.3	4.4	*	*	39.3	-4.6	*	*	*	*	77.6	4.5	81.6	3.1	77.4	1.0	75.7	7.6	60.3	3.5	*	*	*	*	*	*
GUYMON	37.6	*	*	*	*	*	*	*	67.9	*	76.1	*	81.5	*	77.0	*	75.4	*	*	*	48.4	*	36.1	*	*	*
HOOVER	35.0	2.1	*	*	*	*	*	*	71.3	6.2	78.3	3.5	81.9	1.9	78.4	0.7	76.9	7.4	61.5	3.3	48.8	4.2	36.3	1.3	*	*

**AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (FARENHEIT)**

	CLIMATE DIVISION 2 (NORTH CENTRAL)																									
	JAN	DEP	FEB	DEP	MAR	DEP	APR	DEP	MAY	DEP	JUN	DEP	JUL	DEP	AUG	DEP	SEP	DEP	OCT	DEP	NOV	DEP	DEC	DEP	ANN	DEP
ALVA	36.9	*	42.4	*	42.0	*	56.4	*	71.2	*	80.0	*	85.3	*	82.4	*	80.6	*	61.7	*	50.0	*	38.6	*	60.7	*
BILLINGS	36.9	4.1	42.9	5.1	42.9	-4.9	54.2	-3.9	70.6	3.0	79.8	2.7	84.0	0.7	82.3	1.3	80.0	7.6	62.7	1.8	51.4	4.0	38.8	2.8	60.6	2.0
BLACKWELL	36.6	3.7	*	*	42.5	-5.6	55.2	-3.5	70.8	3.3	78.5	1.3	82.8	0.2	82.3	1.2	79.7	6.8	62.5	1.3	51.0	3.4	38.7	2.2	*	*
CHEROKEE	36.5	2.0	*	*	*	*	*	*	74.5	5.5	82.9	4.2	86.3	2.2	82.3	0.1	79.0	5.2	*	*	50.0	2.1	37.5	0.2	*	*
ENID	37.5	2.4	42.9	2.8	*	*	55.1	-5.4	*	*	*	*	85.3	2.0	*	*	81.0	7.6	62.7	0.3	50.6	2.0	*	*	*	*
FT SUPPLY	35.8	3.6	40.4	3.3	39.8	-6.2	*	*	*	*	77.1	1.8	83.0	2.3	78.6	-0.5	75.8	5.4	59.0	0.1	48.4	2.9	35.4	0.7	*	*
FREEDOM	34.4	0.4	41.0	1.7	*	*	*	*	*	*	78.0	0.4	84.6	1.6	*	*	78.1	5.4	60.5	-0.5	48.7	1.7	36.5	0.1	*	*
GRT SLT PLNS	*	*	*	*	*	*	56.5	-1.9	72.6	4.8	*	*	84.9	1.9	82.8	1.9	80.3	8.3	62.6	2.0	50.9	4.1	38.4	2.8	*	*
HELENA	37.7	5.9	42.8	6.1	46.6	0.3	58.1	1.0	71.1	4.6	80.1	3.8	84.5	2.6	81.9	1.6	80.0	8.5	61.8	2.0	49.7	3.7	37.6	2.5	61.0	3.5
JEFFERSON	39.1	5.0	44.6	5.4	45.4	-3.7	57.7	-2.0	72.3	3.6	80.8	2.4	84.8	1.3	*	*	80.6	7.3	63.5	1.5	*	*	40.1	3.1	*	*
MUTUAL	37.0	4.5	41.7	4.3	41.6	-4.6	53.5	-3.6	69.7	3.7	78.9	3.0	84.1	2.3	80.5	0.5	78.1	6.9	61.2	1.8	49.1	2.9	37.2	1.7	59.4	1.9
NEWKIRK	36.0	2.8	42.1	3.6	41.4	-7.4	53.5	-6.1	69.7	1.6	*	*	82.5	0.0	81.9	1.0	79.3	6.6	62.1	0.5	50.9	2.9	38.0	1.4	*	*
PERRY	38.7	3.0	*	*	*	*	56.5	-4.9	73.6	4.4	80.4	2.7	86.7	4.0	*	*	82.0	8.4	64.1	1.3	52.9	3.3	41.3	2.5	*	*
PONCA CITY	*	*	46.1	8.5	45.3	-2.6	56.6	-2.5	73.3	5.5	80.2	3.2	84.7	2.2	*	*	81.1	9.0	64.0	3.3	54.0	6.8	41.3	5.5	*	*

**AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (FARENHEIT)**

	CLIMATE DIVISION 3 (NORTHEAST)																									
	JAN	DEP	FEB	DEP	MAR	DEP	APR	DEP	MAY	DEP	JUN	DEP	JUL	DEP	AUG	DEP	SEP	DEP	OCT	DEP	NOV	DEP	DEC	DEP	ANN	DEP
BARNSDALL	39.4	4.8	43.0	3.0	45.6	-4.5	57.6	-3.5	71.3	2.7	78.8	2.0	84.2	2.0	83.2	2.5	79.3	6.4	61.6	0.2	52.5	3.4	40.7	2.6	61.5	1.8
BARTLESVILLE	39.4	4.7	43.9	3.9	46.2	-4.0	58.4	-2.9	72.8	4.1	79.6	2.8	84.1	2.0	83.0	2.5	80.1	7.3	62.5	0.9	52.6	3.4	39.7	1.6	61.9	2.2
BIXBY	39.5	5.5	44.9	6.0	46.1	-2.4	56.1	-3.3	71.2	3.6	78.8	2.9	*	*	83.7	4.4	*	*	63.2	2.7	51.3	2.9	40.3	2.1	*	*
CLAREMORE	37.9	4.8	42.7	4.5	45.1	-2.9	55.2	-3.8	70.6	3.6	77.9	2.3	83.3	2.1	82.1	2.4	*	*	61.8	1.4	51.4	2.9	41.3	3.9	*	*
CLEVELAND	38.7	*	*	*	*	*	56.0	*	70.2	*	77.8	*	*	*	*	*	78.8	*	61.1	*	*	*	39.5	*	*	*
KANSAS	41.7	5.7	44.0	3.0	47.1	-3.3	57.8	-2.7	70.9	3.7	76.7	2.0	*	*	*	*	78.9	7.3	*	*	*	*	*	*	*	*
MANNFORD	40.9	5.4	45.4	4.5	46.9	-4.0	57.5	-4.5	71.8	3.3	*	*	84.8	2.8	83.5	2.7	79.7	7.1	62.1	0.0	54.1	4.2	41.6	2.7	*	*
PAWUSKA	39.3	5.2	43.9	4.4	45.9	-3.7	58.3	-2.3	71.9	3.9	78.5	2.3	83.5	1.9	82.7	2.5	79.6	7.3	62.3	1.1	52.7	4.1	39.9	2.3	61.6	2.4
PRYOR	39.1	6.1	*	*	*	*	55.8	-3.0	70.5	3.5	77.9	2.6	83.4	2.7	81.8	2.6	79.1	7.9	*	*	51.9	4.0	*	*	*	*
RALSTON	39.6	4.9	*	*	44.5	4.5	46.0	-4.0	58.3	-2.6	72.6	3.8	79.8	2.8	84.3	2.4	83.1	2.6	79.9	7.1	62.4	0.8	52.9	3.8	*	*
SPAVINAW	41.9	5.4	45.7	4.4	48.3	-2.9	59.2	-2.4	73.8	5.1	80.3	3.7	85.4	3.4	84.0	3.2	81.1	7.4	65.1	2.0	56.1	4.8	43.0	2.6	63.7	3.0
TULSA	39.9	4.7	44.7	4.4	46.6	-4.0	57.8	-3.7	72.9	3.6	79.9	2.2	85.4	2.1	84.1	2.6	80.8	7.5	63.0	0.8	53.4	3.5	40.8	1.9	62.5	2.1
UPPER SPAVNW	*	*	44.3	*	48.2	*	57.8	*	73.5	*	81.1	*	86.0	*	82.0	*	79.0	*	62.9	*	*	*	*	*	*	*
VINITA	39.6	6.0	*	*	*	*	56.9	-2.6	69.5	2.5	*	*	*	*	81.3	2.3	*	*	*	*	53.0	4.5	39.5	2.0	*	*
WAGONER	41.4	4.6	46.1	4.3	48.8	-2.9	59.4	-2.4	73.6	4.6	80.2	3.5	86.5	4.6	84.5	3.7	81.6	8.2	64.4	1.5	54.7	3.7	41.8	1.2	63.6	2.9