

# 1994 OKLAHOMA ANNUAL SUMMARY

## TABLE OF CONTENTS

1994 Oklahoma Summary.....	2
1994 Storm Summary Report.....	6
1994 Annual Data Summary Tables.....	7
1994 Annual State Map Summary.....	21
Explanation of Tables.....	23

## **ANNUAL SUMMARY FOR 1994**

Total precipitation in Oklahoma during 1994 averaged 36.36 inches across the state, 2.12 inches above normal. The surplus was achieved despite lower than average rainfall during May, June and September, months which normally account for nearly one-third of the state's annual total precipitation. Heavy rains, especially in eastern Oklahoma, during April and November boosted the statewide total. While precipitation was above normal for the year over most of the state, many areas of the west reported annual deficits in excess of five inches. Reported departures from normal precipitation for the year ranged from 18.58 inches above normal at Claremore in the northeast to 12.50 below normal at Buffalo in the northwest. Annual precipitation totals varied from 15.48 inches at Buffalo to 58.46 inches at Hee Mountain in southeastern Oklahoma. The greatest reported one-day precipitation during the year was 7.92 inches at Pawhuska on April 11.

Temperatures averaged slightly above normal for the year. An extreme hot spell in June and a warm December were approximately balanced by a cold February and the absence of extreme heat during July and August. The statewide average temperature of 60.5 was .2 degree greater than normal. Annual average temperatures at individual stations ranged from 63.8 degrees at Marietta in south central Oklahoma to 56.1 degrees at the Panhandle community of Turpin. Extremes of daily temperature at reporting stations sponsored by the National Weather Service were 116 degrees at Hollis on June 27 and -4 degrees at Waynoka on January 6. A high temperature of 120 degrees occurred at an Oklahoma Mesonet station at Tipton on June 27, tying the all-time state temperature record established in 1936.

A total of 42 tornadoes were reported in the state during the year, the fewest in any year since 1990 and nine fewer than average. No deaths from tornadoes were reported. At least seven weather related deaths were reported in Oklahoma during the year. Two golfers were killed when struck by lightning on an Oklahoma City golf course and five children were drowned in two separate flash-flooding incidents.

The year began with the northwestern quarter of the state under near-drought conditions. Near-normal temperatures in January and a cold February combined with a warm December 1993 to complete a winter with near-normal temperatures and slightly below normal precipitation. A major snow storm on March 8th and 9th blanketed northern and western Oklahoma with as much as 15 inches of snow. Tulsa's reported 12.1 inch snowfall established a local record for snowfall in a 24-hour period. The late winter snow provided relief to the wheat crop in northern Oklahoma, alleviating the dry conditions of the preceding months.

Heavy rains in April offset the absence of storms during May to give the state slightly greater than normal precipitation in the spring. Seventeen tornadoes were reported in April and eleven in May.

Seasonal temperatures were near normal. Locally heavy thunderstorms during the last week of May produced local flooding in a number of areas. Three children drowned when they were swept away from an automobile by high waters near Duncan on May 25.

June was hot and dry across virtually the entire state. Temperatures averaged 3.5 degrees above normal while precipitation averaged nearly two inches less than normal. The precipitation that did occur came in deluges and was usually accompanied by high winds and hail. A rapidly developing thunderstorm over Oklahoma City on the 19th caught a group of

golfers by surprise and a lightning strike killed two of them.

Heat dominated the weather during the last half of June. Daytime temperatures reached the century mark over much of the state during the last week of the month, the heat peaking in the southwest on the 27th when several stations reported temperatures of 115 degrees or more. In addition to the 120 degree report from the Mesonet station at Tipton, four stations equalled or tied all-time high temperature records and two others established new records for the month of June. The heat broke at the end of June and the remainder of the summer was relatively cool and wet.

A number of stations in northeastern Oklahoma received record precipitation totals during July. In contrast to the previous month, which was the 11th hottest and 14th driest June in state history, July 1994 ranked as the 14th wettest and 39th coolest July during the 104 years with records for the state. Flash flooding at Davis killed two children early in the morning of July 9 when their family car was swept off a low-water crossing during an attempt to evacuate a campground.

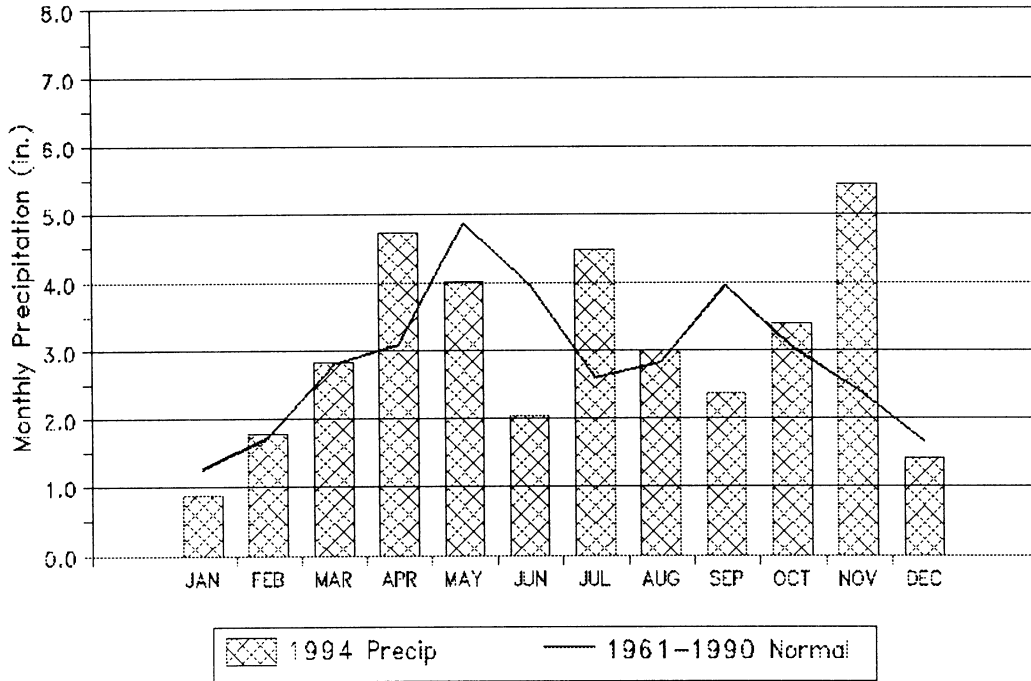
A severe thunderstorm on August 17 produced the highest non-tornadic wind speeds ever measured in Oklahoma. An Oklahoma Mesonet station between Lahoma and Meno reported a 5-minute average wind speed of 78 miles per hour with a peak wind of 113 miles per hour, before the wind sensor was rendered inoperable by baseball sized hail. The very large hail and extreme winds devastated an extensive area in northern and central Oklahoma, the damage path extending from Manchester on the Kansas border to about 10 miles southwest of El Reno in the central part of the state. An oblong hailstone measuring 4.5 inches by 6.5 inches was found in the bed of a pickup truck that had driven through the storm.

Autumn weather featured near-normal temperatures and, thanks to frequent heavy rains in November, above normal precipitation. September temperatures averaged 1.6 degrees less than normal, despite the occurrence of some 100-degree weather late in the month. Both temperature and precipitation averaged slightly greater than normal during October. At least 21 reporting stations established new November monthly precipitation records. In southeastern Oklahoma precipitation during the month averaged more than 5 inches above normal. Both McCurtain and Heavener reported more than 14 inches of precipitation during the month. The first measurable snowfall of the season was reported at Boise City (3 inches) and Regnier (2 inches) on November 21. Statewide averaged precipitation for the month shows this to have been the 5th wettest November since 1893.

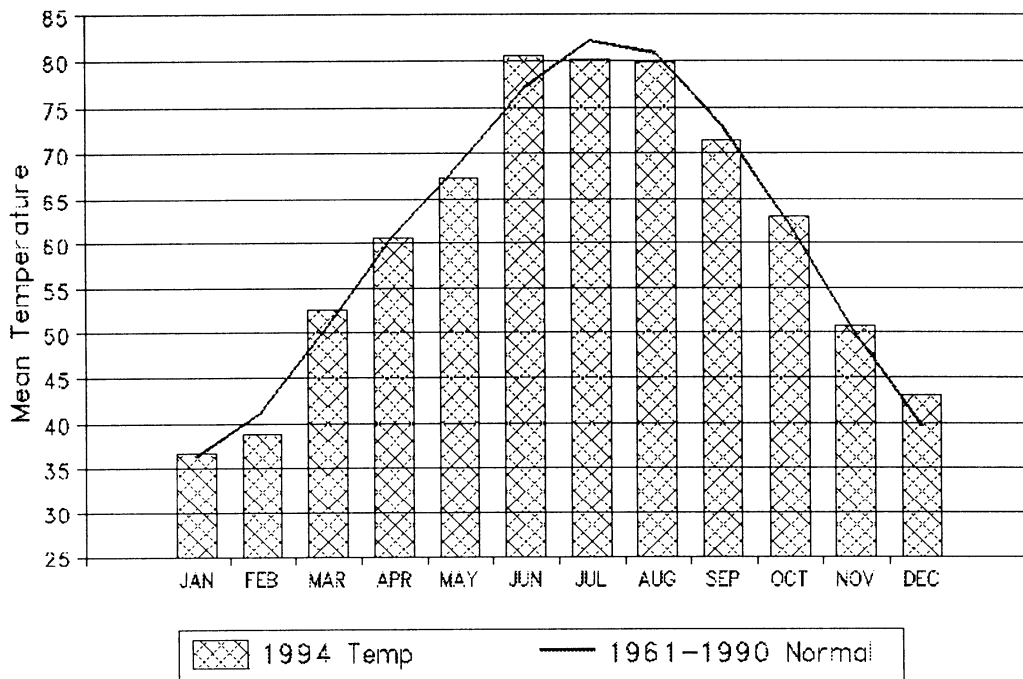
December was warm with an average temperature 3.5 degrees above normal and slightly less than normal precipitation. Heavy fog blanketed much of northern and central Oklahoma during the days just before Christmas. Snow fell on the 30th, with Boise City reporting 3 inches and Gate noting an inch and one-half.

Howard L. Johnson

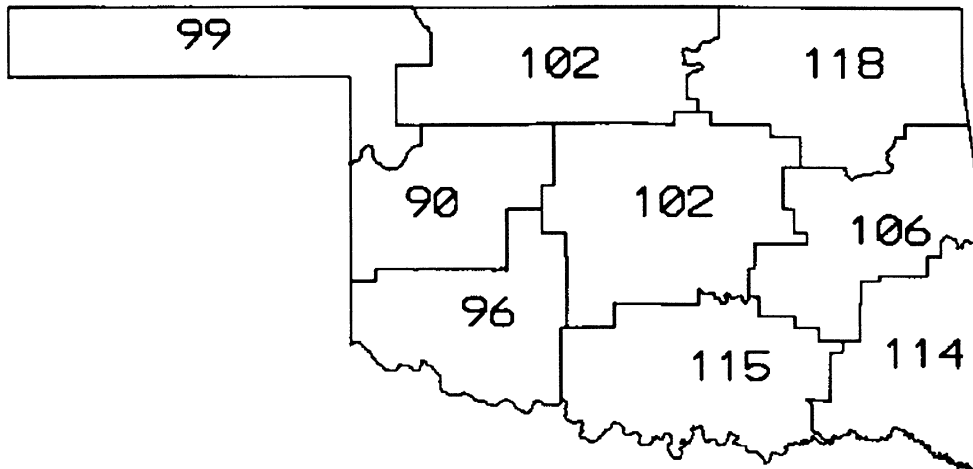
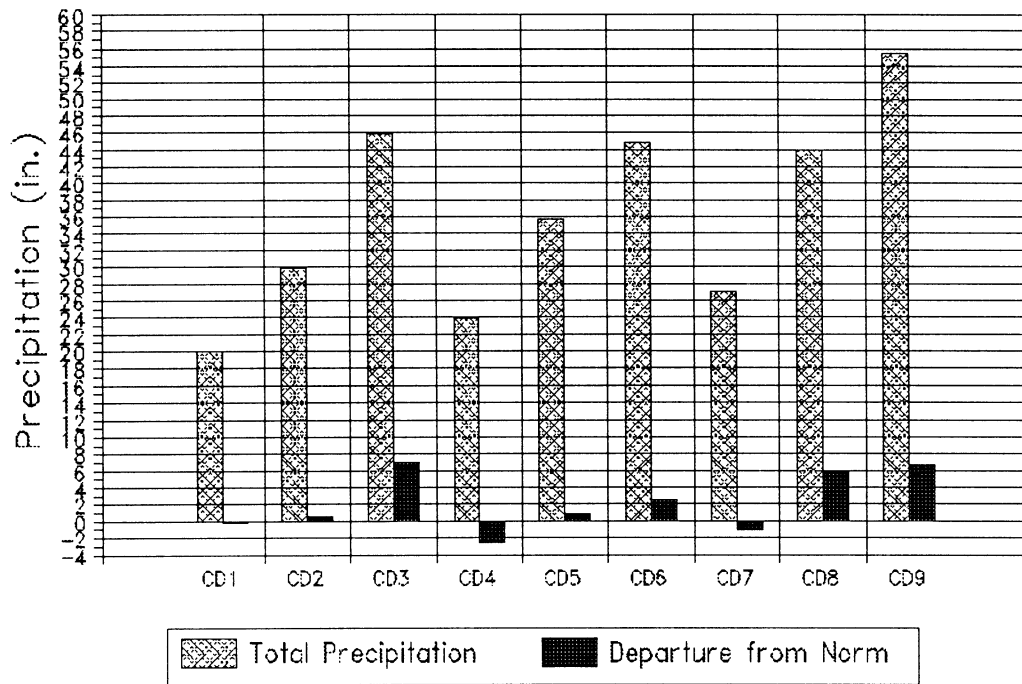
### 1994 STATEWIDE PRECIPITATION Monthly Totals



### 1994 STATEWIDE TEMPERATURES Monthly Averages



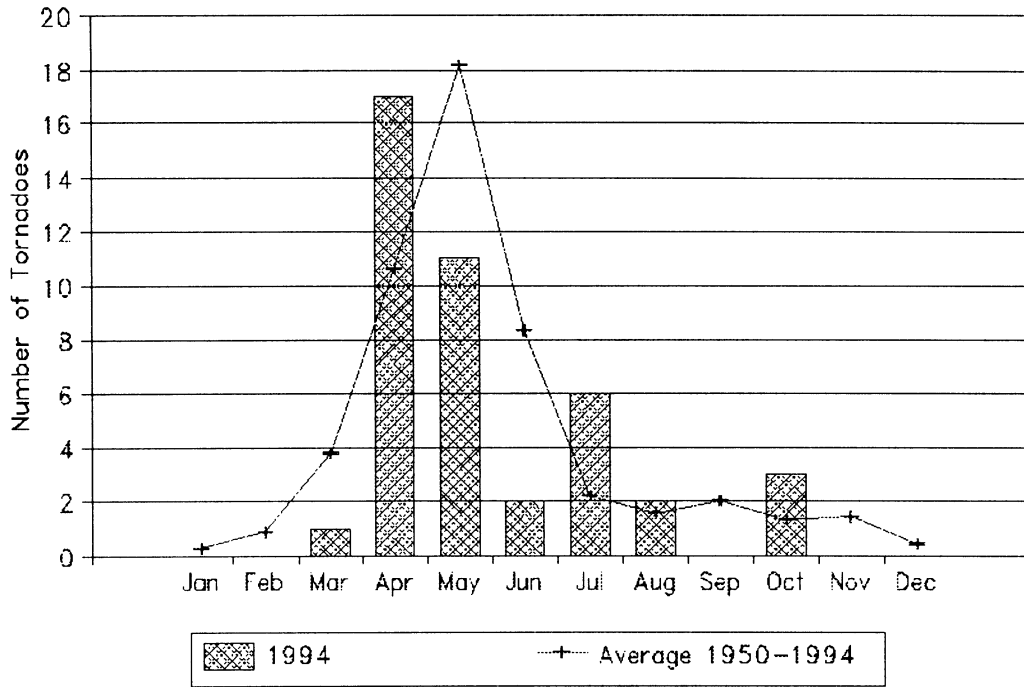
### CD Averaged Precipitation January through December 1994



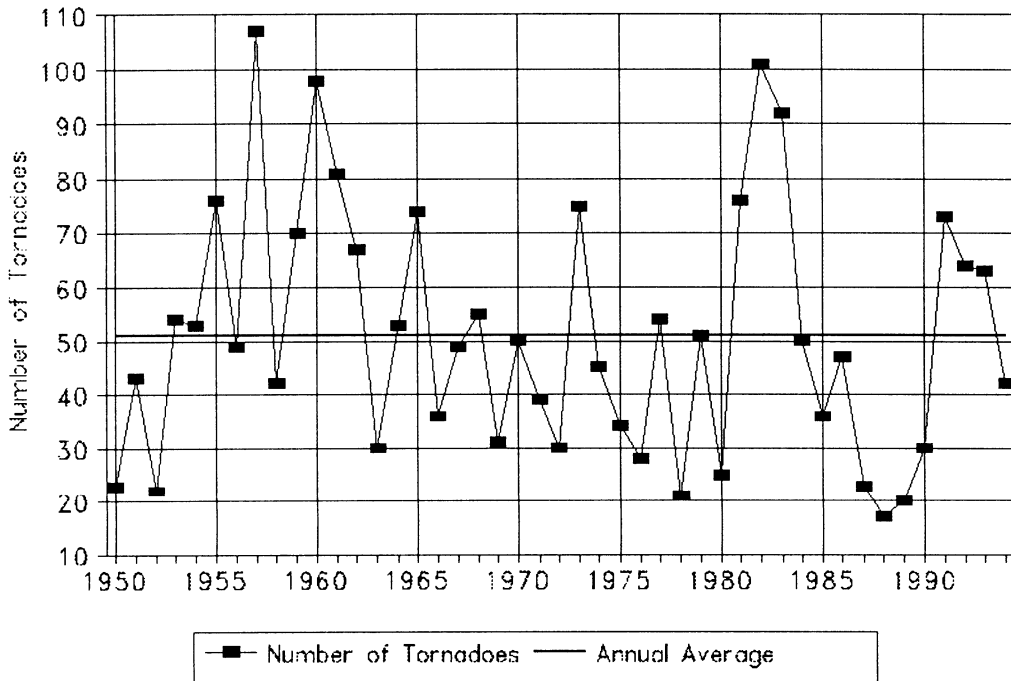
1994 ANNUAL

1994 Climate Division Per Cent of Annual Precipitation

### Tornadoes in Oklahoma by Month in 1994



### Number of Tornadoes in Oklahoma Total each Year, 1950-1994









**TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)  
CLIMATE DIVISION 5 ( CENTRAL)**

ID NAME	JAN PCP	DEP	FEB PCP	DEP	MAR PCP	DEP	APR PCP	DEP	MAY PCP	DEP	JUN PCP	DEP	JUL PCP	DEP	AUG PCP	DEP	SEP PCP	DEP	OCT PCP	DEP	NOV PCP	DEP	DEC PCP	DEP	ANNUAL	DEP	
200 AMBER	0.11	*	2.13	*	3.32	*	4.17	*	2.45	*	0.35	*	3.13	*	0.95	*	2.66	*	2.28	*	5.31	*	1.27	*	28.13	*	
288 ARCADIA	*	*	2.84	*	4.88	*	1.86	*	4.34	*	0.99	*	*	*	3.01	*	0.70	*	3.08	*	5.35	*	0.27	*	*	*	
325 TINKER AFB	*	*	2.37	*	2.17	*	*	*	2.96	*	1.18	*	*	*	*	*	*	*	*	*	6.49	*	1.54	*	*	*	
830 BLANCHARD	0.15	-0.96	2.45	0.70	3.59	0.90	2.94	-0.17	2.91	-2.04	0.62	-3.39	2.97	0.39	1.31	-1.42	2.44	-1.72	2.34	-1.03	4.25	2.15	1.22	-0.37	27.20	-6.96	
1144 BRISTOW	0.13	-1.25	2.23	0.30	5.09	2.05	4.11	0.78	4.58	-0.93	1.11	-2.76	6.12	3.38	4.74	2.08	5.18	0.54	4.52	1.37	7.06	4.17	1.58	-0.49	46.47	9.24	
1684 CHANDLER	*	*	*	*	*	*	2.92	-0.27	4.21	-1.07	1.94	-2.09	4.82	2.11	3.98	1.36	*	*	*	*	5.20	2.72	*	*	*	*	
1750 CHICKASHA	0.11	-0.92	2.67	1.08	3.31	0.81	4.32	1.57	3.81	-0.87	0.43	-3.28	2.42	0.33	1.72	-1.04	3.87	0.07	3.59	0.34	4.70	2.75	2.08	0.82	33.04	1.66	
2196 COX CITY	0.11	*	2.22	*	4.53	*	3.20	*	6.68	*	0.32	*	3.29	*	2.28	*	2.96	*	5.25	*	3.63	*	0.64	*	35.11	*	
2242 CRESCENT	*	*	1.11	*	3.25	*	11.94	*	3.78	*	1.79	*	2.54	*	1.88	*	1.56	*	2.13	*	5.95	*	0.46	*	*	*	
2318 CUSHING	0.01	-1.12	*	*	2.79	-0.31	4.19	0.88	3.83	-1.57	1.38	-2.89	2.73	-0.39	5.95	3.22	3.41	-0.70	*	*	7.38	4.80	*	*	*	*	
2818 EL RENO	0.15	-0.85	1.36	0.06	2.45	0.11	6.13	3.56	3.58	-1.83	2.27	-2.12	1.68	-0.60	2.34	-0.45	2.37	-1.76	3.32	0.80	6.63	4.88	0.32	-0.72	32.60	1.08	
3821 GUTHRIE	*	*	2.00	0.34	3.90	1.08	5.81	3.15	3.24	-1.73	1.54	-2.69	2.61	0.28	1.87	-0.40	2.79	-1.52	*	*	6.50	4.21	0.80	-0.70	*	*	
4055 HENNESSEY	0.19	-0.67	0.58	-0.65	2.71	0.36	8.74	6.05	5.40	0.66	0.67	-3.51	2.67	0.12	2.36	-0.50	1.16	-2.90	3.10	0.76	5.33	3.39	0.54	-0.50	33.46	2.61	
4489 INGALLS	0.17	*	2.67	*	1.74	*	6.27	*	4.29	*	*	*	4.68	*	3.92	*	*	*	2.44	*	5.78	*	0.97	*	*	*	
4861 KINGFISHER	0.14	-0.86	0.67	-0.72	3.15	0.90	9.69	7.08	4.60	-0.03	1.04	-3.23	1.70	-0.35	3.31	0.61	2.03	-2.09	1.69	-0.64	6.32	4.41	*	*	*	*	
4915 KONAWA	0.32	-1.19	1.76	-0.32	4.84	1.63	3.86	-0.22	4.52	-1.18	2.04	-2.04	3.94	1.92	1.14	-0.85	5.20	0.76	4.36	0.29	7.84	5.11	1.34	-0.54	41.17	3.37	
5589 MARSHALL	0.22	-0.66	0.73	-0.54	0.90	-1.57	10.58	8.02	2.76	-2.12	1.00	-2.98	3.56	1.29	2.98	0.41	1.52	-2.31	3.17	0.42	4.92	3.01	0.72	-0.43	33.06	2.54	
5779 MEEKER	0.19	-0.85	*	*	*	*	3.29	0.03	2.95	-2.62	1.40	-2.78	3.28	1.03	*	*	*	*	2.89	-0.65	6.63	4.07	1.40	-0.02	*	*	
6110 MULHALL	0.02	*	1.21	*	2.32	*	8.54	*	2.67	*	1.61	*	3.67	*	*	*	1.71	*	2.28	*	4.58	*	0.52	*	*	*	
6386 NORMAN	0.41	-0.91	2.39	0.67	3.69	0.80	3.20	-0.03	2.74	-2.42	1.87	-2.22	4.15	1.39	1.57	-1.29	4.69	0.60	3.08	-0.15	4.67	2.19	0.68	-0.90	33.15	-2.27	
6616 OILTON	0.00	*	3.12	*	1.56	*	8.00	*	4.96	*	2.68	*	*	*	7.44	*	3.94	*	2.72	*	4.70	*	1.12	*	*	*	
6638 OKEMAH	0.40	-1.05	2.09	0.18	4.19	1.04	3.78	-0.14	4.70	-0.60	2.23	-1.96	4.28	1.12	5.81	3.17	2.62	-1.64	3.11	-0.73	9.35	6.41	0.90	-1.10	43.47	4.70	
6661 OKLA CITY	0.21	-0.92	2.56	1.00	3.18	0.47	3.38	0.61	2.69	-2.53	1.71	-2.60	2.17	-0.44	1.81	-0.79	1.65	-2.19	1.89	-1.34	5.72	3.74	1.63	0.23	28.62	-4.76	
7003 PERKINS	0.18	-0.99	2.96	1.29	3.08	0.18	5.39	2.47	3.09	-2.40	1.07	-3.36	4.82	2.16	2.57	0.03	2.38	-2.02	2.15	-0.82	5.97	3.53	0.89	-0.64	34.55	-0.57	
7068 PIEDMONT	0.28	*	*	*	3.75	*	5.58	*	4.81	*	1.68	*	3.06	*	4.09	*	2.41	*	1.55	*	5.61	*	0.31	*	*	*	
7264 PRAGUE	0.34	-1.09	2.29	0.35	3.50	0.32	3.59	-0.11	2.70	-2.59	2.05	-1.75	4.51	1.55	5.85	3.42	3.77	-0.71	3.35	-0.48	6.79	4.12	0.85	-0.97	39.60	2.06	
7327 PURCELL	0.11	-1.24	2.61	0.64	3.42	0.29	3.75	0.14	5.65	0.08	4.87	0.64	3.71	0.95	1.75	-0.94	6.45	2.09	5.00	1.06	3.80	1.30	1.54	-0.29	42.67	4.72	
8042 SEMINOLE	0.27	-1.21	1.88	-0.13	4.00	0.73	4.60	0.78	3.05	-2.18	0.36	-3.85	3.67	1.15	*	*	4.03	-0.36	2.72	-1.13	9.19	6.27	0.93	-0.89	*	*	
8110 SHAWNEE	0.13	-1.24	2.44	0.43	3.50	0.31	2.88	-1.10	3.10	-2.57	0.88	-3.44	2.80	0.63	3.85	1.35	2.28	-1.94	6.40	2.33	5.17	2.28	0.65	-1.23	34.09	-4.19	
8479 STELLA	0.30	*	2.49	*	4.23	*	4.07	*	2.88	*	1.08	*	6.26	*	0.22	*	*	*	*	*	*	*	*	*	*	*	*
8501 STILLWATER	0.05	-1.10	2.12	0.59	3.69	0.90	4.73	1.81	2.83	-2.30	1.81	-2.19	3.39	0.49	3.58	0.82	2.81	-1.48	1.91	-0.92	4.87	2.62	0.71	-0.59	32.52	-1.35	
8563 STROUD	0.16	*	1.80	*	3.51	*	3.29	*	3.81	*	3.37	*	4.71	*	5.54	*	3.52	*	3.67	*	7.41	*	1.71	*	42.52	*	
8751 TECUMSEH	*	*	2.44	*	4.00	*	4.24	*	3.56	*	2.88	*	3.24	*	*	*	0.74	*	3.23	*	4.06	*	0.86	*	*	*	
8960 TROUSDALE	*	*	2.14	*	3.82	*	1.23	*	4.54	*	2.45	*	3.09	*	0.35	*	4.04	*	3.66	*	7.79	*	0.09	*	*	*	
9086 UNION CITY	0.22	-1.14	2.00	0.42	4.76	1.85	5.04	2.18	3.07	-2.52	0.71	-3.98	2.40	0.10	1.85	-1.03	*	*	1.98	-1.29	5.31	3.01	0.62	-0.73	*	*	
9479 WELTY	0.25	*	2.11	*	5.10	*	4.41	*	3.58	*	2.23	*	5.59	*	7.94	*	4.17	*	3.15	*	7.43	*	0.98	*	46.96	*	
9575 WEWOKA	*	*	1.34	-0.85	4.05	0.80	3.17	-0.54	3.45	-1.76	1.56	-2.50	4.09	1.72	3.87	1.10	2.84	-1.48	3.55	-0.16	8.75	5.96	1.44	-0.46	*	*	







**AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)  
CLIMATE DIVISION 4 (WEST CENTRAL)**

ID NAME	JAN TEMP	DEP	FEB TEMP	DEP	MAR TEMP	DEP	APR TEMP	DEP	MAY TEMP	DEP	JUN TEMP	DEP	JUL TEMP	DEP	AUG TEMP	DEP	SEP TEMP	DEP	OCT TEMP	DEP	NOV TEMP	DEP	DEC TEMP	DEP	ANNUAL TEMP	
1445 CANTON DAM	*	*	33.8	-4.6	*	*	58.0	-0.3	65.3	-2.1	79.8	3.4	79.1	-3.0	80.7	0.5	69.2	-2.8	*	*	*	*	*	*	*	*
1909 CLINTON	36.5	-0.1	37.7	-3.8	52.7	1.9	61.5	0.5	68.0	-1.5	82.6	4.3	82.0	-1.8	82.5	0.1	72.7	-1.2	62.4	-0.1	49.6	0.1	41.8	2.5	60.9	0.1
2849 ELK CITY	37.3	1.1	38.8	-2.3	52.9	2.9	60.9	0.6	67.8	-0.8	81.2	4.2	81.5	-0.4	81.7	1.6	72.8	0.6	*	*	*	*	*	*	*	*
2944 ERICK	36.8	0.2	38.1	-3.4	52.4	2.2	60.3	0.1	68.0	-0.3	80.8	4.2	80.5	-1.2	81.4	1.3	72.9	0.5	61.5	0.0	49.3	0.3	42.3	3.3	60.4	0.6
3497 GEARY	36.9	1.3	*	*	52.9	3.0	60.2	0.0	69.0	0.7	81.6	4.8	82.5	0.3	*	*	74.0	1.3	*	*	52.7	4.2	*	*	*	*
3871 HAMMON	34.5	1.0	33.0	-5.8	48.7	1.3	58.0	-0.5	64.9	-2.0	79.8	3.3	*	*	*	*	69.9	-1.4	58.7	-0.8	46.6	0.2	*	*	*	*
6629 OKEENE	35.7	-0.5	37.3	-4.0	52.5	2.0	59.9	-1.0	67.2	-2.1	80.9	2.6	81.3	-2.2	82.5	0.6	71.7	-2.0	61.6	-1.2	48.8	-0.5	41.1	2.2	60.1	-0.5
7579 REYDON	*	*	*	*	*	*	66.1	7.0	71.6	4.6	*	*	83.5	2.9	85.0	6.1	76.3	5.5	66.2	5.6	*	*	*	*	*	*
8708 TALOGA	34.8	0.0	35.4	-4.4	50.9	2.0	59.8	0.7	66.3	-1.3	81.5	4.7	80.5	-1.5	81.2	0.9	71.8	-0.3	60.2	-0.5	48.0	0.6	39.4	2.1	59.2	0.3
9364 WATONGA	35.7	0.3	36.8	-3.5	52.5	2.9	60.8	0.8	68.0	-0.4	81.4	4.2	81.4	-1.0	82.2	1.3	72.4	-0.3	62.1	0.4	49.5	1.1	41.8	3.7	60.5	0.8
9422 WEATHERFORD	*	*	*	*	*	*	59.0	0.3	68.8	0.5	81.5	4.4	82.1	0.0	81.3	0.8	*	*	61.9	1.2	48.9	1.2	*	*	*	*

**AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)  
CLIMATE DIVISION 5 (CENTRAL)**

ID NAME	JAN TEMP	DEP	FEB TEMP	DEP	MAR TEMP	DEP	APR TEMP	DEP	MAY TEMP	DEP	JUN TEMP	DEP	JUL TEMP	DEP	AUG TEMP	DEP	SEP TEMP	DEP	OCT TEMP	DEP	NOV TEMP	DEP	DEC TEMP	DEP	ANNUAL TEMP	
830 BLANCHARD	37.9	-0.4	40.0	-3.0	55.5	3.0	62.2	0.0	67.8	-1.8	80.4	3.3	81.0	-1.6	81.2	-0.6	72.2	-1.8	64.4	1.0	52.2	1.0	45.0	3.7	61.7	0.2
1144 BRISTOW	36.7	-0.1	40.2	-1.8	54.4	2.7	61.3	-1.0	67.3	-1.9	80.3	3.4	79.4	-2.6	77.9	-3.0	70.1	-2.9	63.0	0.0	51.9	1.4	43.8	3.7	60.6	-0.2
1684 CHANDLER	*	*	*	*	54.8	3.1	62.5	0.5	67.9	-1.3	81.4	4.4	80.5	-2.0	*	*	73.5	0.2	*	*	53.3	2.4	*	*	*	*
1750 CHICKASHA	36.5	-0.8	37.4	-5.2	52.7	0.5	60.5	-2.0	67.7	-2.7	81.7	3.3	81.6	-1.3	81.6	0.5	72.2	-1.4	64.2	1.2	50.6	-0.2	44.1	3.6	61.0	-0.4
2318 CUSHING	*	*	*	*	51.7	2.9	59.7	-0.4	66.9	-1.1	80.3	4.0	79.4	-2.5	78.8	-1.9	70.3	-2.2	63.2	1.6	50.3	1.0	41.3	3.0	*	*
2818 EL RENO	36.8	1.1	38.4	-2.4	53.3	3.0	61.1	0.5	67.6	-1.1	81.1	4.1	81.2	-1.1	82.0	1.1	72.1	-0.7	62.9	0.8	51.0	2.1	42.4	3.6	60.9	0.9
3821 GUTHRIE	*	*	40.2	-1.5	54.9	3.6	63.8	2.0	69.9	0.2	82.6	4.7	83.0	-0.3	84.2	2.0	73.2	-1.0	64.6	1.5	52.7	2.4	44.4	4.5	*	*
4055 HENNESSEY	34.3	-0.8	37.1	-3.1	50.8	1.0	57.9	-2.3	67.3	-1.6	81.8	4.0	81.2	-2.1	*	*	71.8	-1.4	62.1	-0.1	48.8	0.1	40.7	2.6	*	*
4861 KINGFISHER	35.3	-0.7	36.9	-4.2	52.2	1.3	59.5	-1.6	68.1	-1.3	80.8	2.8	81.1	-2.3	81.2	-0.7	71.2	-2.7	62.3	-0.5	50.2	0.6	*	*	*	*
5779 MEEKER	36.6	-0.1	*	*	*	*	61.4	-0.2	66.7	-2.3	79.8	3.1	80.4	-1.5	79.6	-1.7	*	*	62.9	0.2	52.3	1.9	43.5	3.3	*	*
6386 NORMAN	36.9	-0.9	38.3	-4.5	53.6	1.2	60.1	-2.4	67.0	-2.7	79.6	2.4	79.9	-2.3	80.7	-0.5	71.9	-2.1	64.0	0.7	51.5	0.4	44.2	3.2	60.7	-0.6
6638 OKEMAH	37.7	0.2	41.7	-0.8	*	*	62.2	0.3	68.6	-0.4	81.3	4.6	80.6	-1.0	80.2	-0.7	74.1	0.8	66.4	3.3	54.8	3.6	46.1	5.3	*	*
6661 OKLA CITY	35.9	0.0	37.4	-3.5	52.7	2.4	59.4	-1.0	66.7	-1.7	79.6	2.9	79.9	-2.1	79.7	-1.4	70.7	-2.3	62.6	0.6	50.0	0.5	42.5	3.2	59.8	-0.2
7327 PURCELL	37.9	0.5	39.5	-3.2	54.4	1.9	61.7	-0.7	67.5	-2.5	79.9	2.3	80.4	-2.4	80.6	-1.3	71.3	-2.9	63.6	0.4	51.9	1.0	44.2	3.7	61.1	-0.3
8042 SEMINOLE	38.9	0.1	40.7	-3.4	55.6	2.2	62.5	-1.1	68.8	-1.8	81.8	3.4	81.7	-1.7	80.0	-2.6	72.2	-2.6	65.0	0.6	53.5	1.2	45.1	3.1	62.2	-0.2
8501 STILLWATER	35.0	1.4	36.4	-2.2	51.6	3.4	59.0	-0.3	66.9	-0.8	80.3	4.1	80.2	-1.4	79.5	-0.8	69.9	-2.2	62.0	1.5	49.9	1.4	41.8	4.4	59.4	0.7

**AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)  
CLIMATE DIVISION 6 (EAST CENTRAL)**

ID NAME	JAN TEMP	DEP	FEB TEMP	DEP	MAR TEMP	DEP	APR TEMP	DEP	MAY TEMP	DEP	JUN TEMP	DEP	JUL TEMP	DEP	AUG TEMP	DEP	SEP TEMP	DEP	OCT TEMP	DEP	NOV TEMP	DEP	DEC TEMP	DEP	ANNUAL TEMP	
2993 EUFAULA	38.6	-0.3	42.7	-0.9	55.1	1.7	66.4	3.1	74.0	3.6	85.6	7.6	84.7	1.4	*	*	*	*	82.0	17.4	*	*	*	*	*	*
3884 HANNA	37.9	-0.1	*	*	53.9	1.2	62.2	-0.3	67.2	-2.3	80.3	3.1	79.6	-2.2	77.7	-3.3	70.7	-2.9	63.8	0.8	53.7	2.0	44.4	2.9	*	*
4235 HOLDENVILLE	37.9	-0.4	41.6	-1.9	54.8	2.3	61.7	-0.4	67.4	-2.0	80.1	3.3	79.9	-2.0	78.6	-2.9	71.6	-2.2	63.9	0.3	52.9	1.0	44.7	2.9	61.3	-0.2
5664 MCALESTER	39.3	1.7	43.5	1.0	54.7	2.5	62.1	0.2	68.0	-1.1	80.4	3.2	79.5	-2.4	78.5	-2.8	72.2	-1.5	64.6	1.5	53.5	1.7	45.3	4.1	61.8	0.7
5693 MCCURTAIN	39.5	0.2	44.4	0.4	56.0	2.5	64.5	1.5	68.4	-1.3	80.9	3.5	80.6	-1.8	78.6	-2.8	72.4	-1.6	64.5	0.8	54.4	1.7	45.9	3.4	62.5	0.5
6130 MUSKOGEE	36.5	-0.8	*	*	*	*	62.5	0.5	67.7	-1.4	80.7	3.7	79.8	-2.4	78.9	-2.2	72.0	-1.5	64.3	1.7	52.6	1.7	44.3	3.7	*	*
6670 OKMULGEE	34.5	-0.3	36.9	-3.2	51.3	1.7	58.9	-1.3	64.8	-3.4	78.7	2.6	78.3	-2.4	76.0	-3.6	69.4	-2.5	*	*	50.3	0.8	41.2	1.8	*	*
7862 SALLISAW	36.8	-1.1	*	*	53.5	1.2	62.0	-0.3	*	*	79.0	1.9	78.9	-2.9	77.5	-3.5	72.4	-1.4	65.9	2.7	*	*	*	*	*	*
8506 STILLWELL	*	*	*	*	*	*	60.9	0.6	64.2	-3.2	77.6	2.6	76.1	-3.8	74.5	-4.3	68.6	-3.1	61.2	-0.1	51.4	1.4	43.5	3.5	*	*
8677 TAHLEQUAH	35.5	-0.8	41.1	-0.2	52.0	0.9	61.4	0.3	65.4	-2.6	79.0	3.4	77.2	-3.3	76.5	-3.3	70.1	-2.4	*	*	52.5	2.3	43.5	3.8	*	*
9445 WEBBRS FALLS	34.5	-0.8	38.4	-1.9	51.1	1.1	60.3	0.0	65.5	-3.0	79.5	2.8	78.4	-3.3	77.2	-3.0	70.9	-1.9	63.6	2.2	51.6	1.4	42.8	3.4	59.5	-0.2

**AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)  
CLIMATE DIVISION 7 (SOUTHWEST)**

ID NAME	JAN TEMP	DEP	FEB TEMP	DEP	MAR TEMP	DEP	APR TEMP	DEP	MAY TEMP	DEP	JUN TEMP	DEP	JUL TEMP	DEP	AUG TEMP	DEP	SEP TEMP	DEP	OCT TEMP	DEP	NOV TEMP	DEP	DEC TEMP	DEP	ANNUAL TEMP	DEP
179 ALTUS	39.6	0.1	40.7	-3.6	55.2	1.7	62.4	-0.9	69.5	-2.1	84.1	4.2	82.4	-2.1	83.3	0.5	74.2	-0.9	65.0	0.4	52.4	0.3	44.6	2.8	62.8	0.0
184 ALTUS DAM	38.0	1.6	36.3	-5.2	51.1	0.3	60.3	-1.1	68.9	-1.2	84.9	6.0	83.5	-0.7	84.8	2.3	74.4	0.4	63.7	1.2	50.5	0.9	43.6	3.9	61.7	0.7
1504 CARNEGIE	38.2	1.4	38.5	-3.5	53.9	2.5	62.2	0.6	68.5	-1.3	81.6	3.5	*	*	81.5	-0.3	72.9	-1.0	63.3	0.3	51.2	1.1	43.4	3.5	*	*
1706 CHATTANOOGA	39.3	0.6	40.8	-3.0	54.4	1.5	63.3	0.6	69.7	-1.3	83.1	3.7	82.5	-1.8	83.9	0.8	75.0	-0.3	*	*	*	*	45.3	3.8	*	*
3353 FREDERICK	38.1	0.4	38.8	-3.8	53.2	1.6	60.0	-2.3	66.9	-3.4	82.2	3.0	*	*	*	*	74.0	-0.5	*	*	51.5	0.8	*	*	*	*
4204 HOBART	36.8	-0.2	37.9	-4.0	51.8	0.3	60.0	-1.5	68.4	-1.5	82.8	4.2	82.0	-1.7	82.3	0.3	73.6	-0.3	63.5	0.6	50.3	0.2	43.5	3.6	61.1	0.0
4249 HOLLIS	38.2	-0.3	38.8	-4.8	52.8	-0.1	61.4	-1.5	69.2	-2.0	83.4	3.8	82.1	-2.1	81.9	-0.4	74.2	-0.3	63.6	0.3	50.5	0.0	43.9	3.1	61.7	-0.3
5063 LAWTON	37.6	0.8	*	*	53.3	2.0	61.0	-1.0	67.6	-2.4	82.1	3.8	81.7	-1.8	81.6	-0.7	*	*	64.2	1.6	*	*	*	*	*	*
5068 FORT SILL	38.9	*	40.1	*	54.7	*	62.1	*	68.0	*	81.1	*	80.9	*	82.2	*	73.3	*	63.2	*	51.8	*	44.6	*	61.8	*
5509 MANGUM	38.0	-0.2	38.0	-5.5	52.8	-0.2	61.1	-1.8	68.8	-2.6	81.9	2.4	81.4	-2.8	81.8	-0.8	73.6	-1.1	63.5	-0.3	50.5	-0.3	43.6	2.8	61.3	-0.8
9278 WALTERS	*	*	*	*	*	*	61.2	-2.3	67.2	-4.3	81.8	2.5	80.7	-3.4	82.8	-0.4	73.9	-1.6	*	*	53.3	0.9	45.6	3.1	*	*
9629 WICHITA MT	36.5	0.9	36.1	-4.8	51.6	2.0	*	*	65.1	-3.1	79.4	2.8	*	*	80.1	-0.7	71.2	-1.2	61.3	-0.2	47.8	-1.1	*	*	*	*

**AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)  
CLIMATE DIVISION 8 (SOUTH CENTRAL)**

ID NAME	JAN TEMP	DEP	FEB TEMP	DEP	MAR TEMP	DEP	APR TEMP	DEP	MAY TEMP	DEP	JUN TEMP	DEP	JUL TEMP	DEP	AUG TEMP	DEP	SEP TEMP	DEP	OCT TEMP	DEP	NOV TEMP	DEP	DEC TEMP	DEP	ANNUAL TEMP	DEP	
17 ADA	37.9	-1.1	40.0	-3.7	54.8	1.9	61.7	-0.7	67.4	-2.2	80.0	3.1	80.2	-2.0	78.8	-2.5	71.1	-2.7	63.6	0.0	51.6	-0.5	44.2	2.0	61.0	-0.7	
292 ARDMORE	41.1	-0.6	44.3	-2.2	57.0	1.5	63.9	-0.9	68.4	-3.6	80.9	1.6	80.3	-3.7	80.3	-3.1	72.7	-3.5	65.8	-0.3	54.9	0.4	46.7	2.0	63.1	-1.0	
1745 CHCKASAW NRA	38.9	2.2	39.4	-2.8	53.6	2.3	61.5	-0.1	69.0	0.0	81.2	4.3	81.0	-1.1	81.2	-0.4	72.8	-0.8	65.9	3.5	54.1	3.5	47.2	6.4	62.2	1.4	
2660 DUNCAN	38.7	1.2	39.5	-3.2	54.0	2.2	61.2	-1.3	66.9	-3.1	80.3	2.3	79.9	-3.2	*	*	72.2	-2.0	64.9	1.7	52.0	0.6	44.7	3.4	*	*	
2678 DURANT	39.8	1.6	42.2	-1.3	55.8	3.5	63.7	1.5	67.4	-2.3	80.4	2.9	80.1	-2.2	78.7	-2.8	72.5	-1.4	65.0	1.6	54.3	2.3	45.8	3.6	62.2	0.6	
4001 HEALDTON	40.7	1.3	42.7	-1.7	*	*	63.3	0.1	67.7	-2.7	80.2	2.2	79.9	-3.0	80.9	-1.3	72.1	-2.6	64.5	0.5	53.9	1.6	45.9	3.6	*	*	
5216 LINDSAY	37.6	-0.6	40.0	-3.3	55.1	2.4	61.8	-0.7	67.9	-2.1	80.1	2.6	80.3	-2.4	*	*	71.6	-2.0	*	*	52.3	1.0	43.9	2.7	*	*	
5468 MADILL	41.5	1.1	43.8	-1.6	55.8	1.4	63.8	0.2	69.0	-1.9	79.6	1.2	80.5	-2.8	78.7	-4.1	72.0	-3.4	*	*	54.7	0.9	46.1	2.3	*	*	
5563 MARIETTA	42.4	1.7	45.1	-0.5	57.5	2.9	64.7	1.1	69.3	-1.4	81.4	3.3	81.1	-2.1	80.8	-1.8	73.7	-1.7	65.9	0.7	55.5	1.9	47.1	3.3	63.8	0.6	
5581 MARLOW	39.9	1.5	41.9	-1.6	56.1	3.1	63.8	1.5	68.7	-0.8	81.0	3.9	80.2	-2.1	81.8	0.4	72.8	-0.9	65.0	1.6	53.7	2.2	45.8	4.3	62.6	1.1	
5713 MCGEE CREEK	39.2	*	42.3	*	55.0	*	62.7	*	68.1	*	80.0	*	*	*	78.3	*	72.0	*	65.3	*	53.7	*	45.5	*	*	*	
6926 PAULS VALLEY	38.6	-0.2	41.2	-2.7	55.5	2.1	63.2	0.0	68.0	-2.6	80.6	2.3	80.2	-3.1	80.8	-1.6	72.2	-2.4	64.5	0.5	52.9	0.8	45.3	3.5	62.0	-0.3	
9395 WAURIKA	40.5	0.0	42.2	-3.2	55.0	0.2	62.5	-1.6	69.5	-2.2	81.8	2.4	81.7	-2.6	82.1	-1.2	74.2	-1.5	65.7	0.6	54.1	1.0	46.8	3.4	63.1	-0.4	
9399 WAURIKA DAM	39.0	*	41.7	*	54.9	*	62.1	*	68.5	*	81.5	*	81.7	*	81.7	*	*	*	*	*	*	*	*	*	*	*	*

**AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)  
CLIMATE DIVISION 9 (SOUTHEAST)**

ID NAME	JAN TEMP	DEP	FEB TEMP	DEP	MAR TEMP	DEP	APR TEMP	DEP	MAY TEMP	DEP	JUN TEMP	DEP	JUL TEMP	DEP	AUG TEMP	DEP	SEP TEMP	DEP	OCT TEMP	DEP	NOV TEMP	DEP	DEC TEMP	DEP	ANNUAL TEMP	DEP
256 ANTLERS	39.9	-0.3	*	*	54.1	0.2	62.4	-0.5	68.0	-1.7	79.8	2.6	79.1	-2.2	78.6	-2.6	71.9	-2.2	64.2	0.9	54.2	1.2	45.9	2.8	*	*
567 BATTIEST	38.0	*	43.3	*	52.5	*	60.8	*	65.0	*	76.1	*	*	*	75.1	*	69.5	*	62.1	*	51.7	*	44.0	*	*	*
980 BOSWELL	41.4	1.0	44.9	-0.3	55.7	1.5	63.2	0.4	68.2	-1.7	*	*	*	*	*	*	*	*	65.3	1.5	55.7	2.4	46.7	2.9	*	*
1168 BRKN BOW DAM	41.6	2.3	44.7	1.0	52.5	0.3	63.0	1.5	68.1	-0.9	79.4	3.0	79.4	-1.1	78.4	-1.8	72.6	-1.1	65.0	2.4	54.9	2.6	47.5	4.8	62.3	1.1
4384 HUGO	42.0	0.1	46.7	0.1	57.1	1.6	64.6	0.5	69.2	-1.8	80.5	2.4	80.5	-1.8	79.7	-2.1	73.5	-1.7	65.0	0.2	55.9	1.6	47.3	2.5	63.5	0.1
4451 IDABEL	41.3	1.4	44.7	0.3	54.9	1.5	63.3	1.3	68.2	-1.5	80.3	3.3	79.8	-1.1	78.7	-1.8	72.7	-1.2	64.7	1.3	54.9	2.4	45.1	1.8	62.4	0.6
7254 POTEAU	37.5	*	42.2	*	*	*	61.8	*	66.9	*	79.8	*	79.3	*	78.5	*	71.3	*	63.8	*	53.9	*	43.0	*	*	*
8285 SMITHVILLE	37.5	-1.2	43.4	0.5	51.5	-0.3	59.5	-1.1	65.2	-2.3	77.3	2.3	76.5	-2.7	74.9	-3.7	69.3	-2.6	61.8	0.7	52.2	1.4	44.9	3.2	59.5	-0.5
9023 TUSKAHOMA	39.8	-0.5	44.4	-0.5	55.2	1.2	63.3	0.4	67.5	-2.2	79.5	2.4	79.2	-2.5	78.0	-3.1	72.0	-2.2	64.6	0.8	54.3	1.4	45.7	2.5	62.0	-0.2
9634 WILBURTON	38.2	-0.2	42.8	-0.4	54.3	1.6	62.8	0.8	67.3	-1.6	80.3	4.0	80.1	-1.1	78.0	-2.4	72.1	-0.8	63.7	1.4	53.3	2.0	44.6	2.8	61.5	0.5

-14-

**HEATING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 1 (NORTHWEST)**

ID NAME	JAN HDD	DEP	FEB HDD	DEP	MAR HDD	DEP	APR HDD	DEP	MAY HDD	DEP	JUN HDD	DEP	JUL HDD	DEP	AUG HDD	DEP	SEP HDD	DEP	OCT HDD	DEP	NOV HDD	DEP	DEC HDD	DEP	ANNUAL HDD	DEP
332 ARNETT	978	-31	922	141	541	-54	316	56	104	18	0	0	*	*	0	0	50	25	214	-9	609	30	763	-155	*	*
593 BEAVER	1004	-31	900	88	575	-58	335	41	84	-14	0	-8	0	0	0	0	49	18	200	-48	636	12	804	-157	4584	-159
908 BOISE CITY	884	-72	777	21	546	-66	327	21	75	-45	0	-8	0	0	0	0	38	6	184	-70	660	51	798	-110	4287	-272
1243 BUFFALO	863	-80	749	49	376	-131	159	-49	46	-12	0	0	0	0	0	0	28	15	169	13	501	-36	735	-130	3624	-361
3407 GAGE	968	16	858	127	500	-34	289	68	66	1	0	0	0	0	0	0	42	24	225	40	582	36	773	-104	4301	172
3489 GATE	964	-47	893	120	480	-123	288	24	76	-11	0	-5	0	0	0	0	39	22	179	-27	562	-24	759	-171	4240	-239
3628 GOODWELL	956	-71	861	52	590	-64	336	9	85	-42	0	-8	0	0	3	3	38	-1	*	*	606	-31	751	-213	*	*
4298 HOOKER	982	-13	908	144	576	-16	352	75	97	3	0	-6	0	0	3	3	48	14	233	-8	626	14	774	-156	4596	52
4766 KENTON	*	*	*	*	555	-127	379	23	*	*	0	-12	0	0	0	0	48	-2	272	-27	*	*	815	-155	*	*
6740 OPTIMA LAKE	932	*	*	*	565	*	*	*	61	*	0	*	0	0	4	*	50	*	249	*	*	*	*	*	*	*
9017 TURPIN	992	*	899	*	594	*	347	*	98	*	0	*	0	0	5	*	56	*	253	*	675	*	851	*	4767	*

**HEATING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 2 (NORTH CENTRAL)**

ID NAME	JAN HDD	DEP	FEB HDD	DEP	MAR HDD	DEP	APR HDD	DEP	MAY HDD	DEP	JUN HDD	DEP	JUL HDD	DEP	AUG HDD	DEP	SEP HDD	DEP	OCT HDD	DEP	NOV HDD	DEP	DEC HDD	DEP	ANNUAL HDD	DEP
193 ALVA	937	*	809	*	377	*	196	*	46	*	0	*	0	*	0	*	24	*	165	*	510	*	778	*	3839	*
755 BILLINGS	1006	8	869	107	506	-35	288	52	89	25	0	0	0	0	2	2	36	16	170	3	498	-30	782	-117	4244	29
818 BLACKWELL	*	*	790	40	439	-91	229	11	52	-4	0	0	*	*	0	0	17	-1	103	-53	381	-141	675	-209	*	*
1724 CHEROKEE	930	-16	*	*	390	-100	200	12	53	17	0	0	0	0	0	0	23	12	168	34	505	-9	761	-98	*	*
2912 ENID	957	30	784	87	407	-72	204	27	53	23	0	0	0	0	0	0	23	10	143	6	465	-27	721	-116	3756	-33
3304 FT SUPPLY	977	-41	872	91	500	-96	278	16	79	4	0	-6	0	0	0	0	45	23	*	*	590	-5	760	-179	*	*
3358 FREEDOM	1017	56	953	233	533	18	308	110	105	65	0	0	0	0	3	3	43	29	264	103	612	72	853	-34	4691	655
3740 GRT SALT PLN	983	-41	864	94	446	-118	269	39	78	21	0	0	0	0	0	0	34	17	172	-5	518	-28	*	*	*	*
4019 HELENA	967	-63	876	84	442	-139	232	-27	72	-7	0	0	0	0	0	0	36	17	177	-17	551	-19	792	-135	4142	-304
4573 JEFFERSON	935	-23	755	33	386	-114	197	-3	33	-9	0	0	0	0	0	0	21	10	160	18	479	-32	757	-111	3722	-231
6139 MUTUAL	984	-25	912	139	524	-59	261	-2	97	16	0	0	0	0	0	0	35	16	219	16	593	29	814	-101	4437	28
6278 NEWKIRK	962	-24	785	43	430	-82	221	20	72	22	0	0	0	0	0	0	26	12	155	8	463	-47	765	-115	3878	-165
7012 PERRY	919	11	746	68	365	-100	170	9	46	9	*	*	0	0	0	0	13	-1	141	14	410	-52	669	-143	*	*
7201 PONCA CITY	956	-55	765	-3	420	-118	237	25	38	-30	0	0	0	0	0	0	29	6	138	-34	455	-77	707	-198	3743	-483
9404 WAYNOKA	931	-2	837	137	423	-72	199	3	48	10	0	0	0	0	0	0	42	28	190	25	514	4	735	-127	3917	5

-15-

**HEATING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 3 (NORTHEAST)**

ID NAME	JAN HDD	DEP	FEB HDD	DEP	MAR HDD	DEP	APR HDD	DEP	MAY HDD	DEP	JUN HDD	DEP	JUL HDD	DEP	AUG HDD	DEP	SEP HDD	DEP	OCT HDD	DEP	NOV HDD	DEP	DEC HDD	DEP	ANNUAL HDD	DEP
535 BARNSDALL	940	-3	766	66	428	-44	193	30	64	31	0	0	0	0	0	0	33	9	166	7	431	-46	693	-141	3712	-92
548 BARTLESVILLE	935	-5	755	55	389	-80	187	26	51	16	0	0	0	0	0	0	27	11	148	-3	416	-59	729	-105	3634	-143
782 BIXBY	955	-7	784	53	442	-79	233	43	79	29	0	0	0	0	0	0	31	10	137	-41	440	-58	706	-125	3805	-175
1828 CLAREMORE	980	-10	791	41	481	-52	245	43	91	24	0	0	0	0	0	0	34	10	151	-31	443	-53	740	-116	3953	-143
1902 CLEVELAND	893	*	696	*	365	*	169	*	50	*	0	*	*	*	*	*	29	*	134	*	403	*	692	*	*	*
4567 JAY TOWER	1001	*	775	*	486	*	222	*	*	*	0	*	*	*	*	*	*	*	167	*	407	*	673	*	*	*
4672 KANSAS	939	40	690	18	386	-79	183	12	75	21	0	0	0	0	*	*	40	19	*	*	416	-41	669	-122	*	*
5522 MANNFORD	*	*	725	50	338	-111	167	19	53	15	0	0	0	0	0	0	*	*	*	*	403	-51	654	-155	*	*
5855 MIAMI	1039	38	779	15	488	-49	244	36	87	13	*	*	0	0	0	0	60	29	*	*	*	*	*	*	*	*
6485 NOWATA	983	37	744	30	418	-66	210	25	69	20	0	0	0	0	*	*	31	11	152	-8	442	-29	*	*	*	*
6935 PAWHUSKA	939	-19	759	45	411	-76	188	12	64	18	0	0	0	0	0	0	27	6	162	5	425	-68	725	-124	3697	-202
7309 PRYOR	941	-51	*	*	509	-25	248	35	90	22	0	0	0	0	*	*	38	9	161	-33	450	-63	763	-102	*	*
7390 RALSTON	911	-28	723	23	410	-63	185	15	51	11	0	0	0	0	0	0	22	3	153	11	417	-60	701	-139	3570	-229
8380 SPAVINAW	866	-18	644	-21	367	-73	154	4	48	7	0	0	0	0	0	0	24	12	97	-31	335	-81	619	-144	3151	-346
8992 TULSA	926	2	730	38	395	-63	192	41	58	17	0	0	0	0	0	0	26	6	131	-13	397	-57	691	-118	3544	-147
9101 UPPER SPAV	*	*	672	*	*	*	207	*	43	*	0	*	*	*	0	*	38	*	*	*	*	*	608	*	*	*
9203 VINITA	958	-15	*	*	*	*	213	19	79	10	0	0	0	0	0	0	*	*	*	*	425	-71	722	-131	*	*
9247 WAGONER	869	-6	680	30	361	-65	156	18	53	19	0	0	0	0	0	0	24	10	114	-23	353	-72	661	-95	3268	-184

**HEATING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 4 (WEST CENTRAL)**

ID NAME	JAN HDD	DEP	FEB HDD	DEP	MAR HDD	DEP	APR HDD	DEP	MAY HDD	DEP	JUN HDD	DEP	JUL HDD	DEP	AUG HDD	DEP	SEP HDD	DEP	OCT HDD	DEP	NOV HDD	DEP	DEC HDD	DEP	ANNUAL HDD	DEP
1445 CANTON DAM	*	*	874	129	*	*	252	15	93	39	0	0	0	0	0	0	47	31	*	*	*	*	*	*	*	*
1909 CLINTON	882	2	765	107	405	-45	164	-7	50	20	0	0	0	0	0	0	23	10	157	29	467	2	720	-77	3631	40
2849 ELK CITY	860	-34	735	66	403	-69	170	-8	47	20	0	0	0	0	0	0	21	8	*	*	*	*	*	*	*	*
2944 ERICK	873	-7	753	95	409	-56	179	-2	46	6	0	0	0	0	0	0	22	9	170	28	474	-9	704	-102	3628	-41
3497 GEARY	872	-40	*	*	388	-88	193	5	46	8	0	0	0	0	*	*	8	-9	*	*	377	-119	*	*	*	*
3871 HAMMON	947	-30	896	162	498	-53	255	25	98	36	0	0	*	*	*	*	38	14	225	22	552	-7	*	*	*	*
6629 OKEENE	908	15	777	111	404	-54	198	26	57	27	0	0	0	0	0	0	28	15	166	41	487	16	740	-69	3763	126
7579 REYDON	*	*	*	*	*	*	95	-124	25	-37	*	*	0	0	0	0	11	-8	69	-104	*	*	*	*	*	*
8708 TALOGA	936	0	830	124	456	-50	196	-13	73	22	0	0	0	0	0	0	27	13	204	41	510	-18	793	-66	4024	52
9364 WATONGA	910	-9	789	97	412	-73	183	-6	60	24	0	0	0	0	0	0	23	7	159	12	465	-34	718	-116	3717	-98
9422 WEATHERFORD	*	*	*	*	*	*	230	13	69	32	0	0	0	0	0	0	*	*	165	-2	468	-51	*	*	*	*

**HEATING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 5 (CENTRAL)**

ID NAME	JAN HDD	DEP	FEB HDD	DEP	MAR HDD	DEP	APR HDD	DEP	MAY HDD	DEP	JUN HDD	DEP	JUL HDD	DEP	AUG HDD	DEP	SEP HDD	DEP	OCT HDD	DEP	NOV HDD	DEP	DEC HDD	DEP	ANNUAL HDD	DEP
830 BLANCHARD	840	12	699	83	326	-76	151	10	45	24	0	0	0	0	0	0	22	11	110	-11	399	-16	622	-113	3212	-77
1144 BRISTOW	878	4	694	50	353	-71	174	30	55	28	0	0	0	0	0	0	27	8	134	3	403	-38	657	-115	3372	-104
1684 CHANDLER	*	*	*	*	333	-91	148	7	49	22	0	0	0	0	*	*	14	-4	*	*	358	-65	*	*	*	*
1750 CHICKASHA	885	26	774	147	406	-3	205	70	54	41	0	0	0	0	0	0	27	15	121	-4	440	14	647	-113	3558	192
2318 CUSHING	*	*	*	*	426	-86	205	25	71	22	0	0	0	0	0	0	31	16	123	-31	444	-28	713	-118	*	*
2818 EL RENO	875	-33	744	66	384	-80	180	3	49	23	0	0	0	0	0	0	21	8	137	1	431	-52	701	-111	3521	-176
3821 GUTHRIE	*	*	694	42	346	-90	131	-22	40	12	0	0	0	0	0	0	19	5	107	-12	384	-58	640	-138	*	*
4055 HENNESSEY	920	-8	781	87	453	-27	231	44	58	19	0	0	0	0	*	*	23	11	152	9	489	-1	754	-80	*	*
4861 KINGFISHER	922	23	787	118	414	-32	202	28	51	21	0	0	0	0	0	0	27	17	153	29	448	-14	*	*	*	*
5779 MEEKER	880	3	*	*	*	*	166	8	57	28	0	0	0	0	0	0	*	*	138	4	392	-47	668	-101	*	*
6386 NORMAN	870	27	748	126	380	-25	206	78	59	44	0	0	0	0	0	0	30	20	127	15	415	-2	644	-100	3476	181
6638 OKEMAH	846	-7	653	23	*	*	161	24	43	19	0	0	0	0	0	0	13	-3	74	-51	318	-96	587	-163	*	*
6661 OKLA CITY	901	-1	774	99	401	-64	210	34	56	25	0	0	0	0	0	0	32	17	142	5	457	-5	699	-98	3670	11
7327 PURCELL	840	-17	714	90	356	-45	161	29	46	32	0	0	0	0	0	0	27	14	129	10	403	-21	645	-115	3318	-23
8042 SEMINOLE	810	-3	681	96	323	-56	147	41	44	29	0	0	0	0	0	0	19	10	100	6	357	-29	617	-96	3096	-1
8501 STILLWATER	929	-44	801	62	424	-104	225	21	79	30	0	0	0	0	0	0	29	12	158	-10	454	-42	721	-135	3817	-211

**HEATING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 6 (EAST CENTRAL)**

ID NAME	JAN HDD	DEP	FEB HDD	DEP	MAR HDD	DEP	APR HDD	DEP	MAY HDD	DEP	JUN HDD	DEP	JUL HDD	DEP	AUG HDD	DEP	SEP HDD	DEP	OCT HDD	DEP	NOV HDD	DEP	DEC HDD	DEP	ANNUAL HDD	DEP
2993 EUFAULA	818	9	625	26	332	-46	90	-26	18	1	0	0	0	0	*	*	*	*	0	-103	*	*	*	*	*	*
3884 HANNA	840	3	*	*	361	-37	157	31	44	26	0	0	0	0	0	0	29	17	119	1	349	-51	639	-90	*	*
4235 HOLDENVILLE	841	13	655	47	330	-70	161	32	44	24	0	0	0	0	0	0	24	14	124	8	374	-24	629	-90	3180	-47
5664 MCALESTER	798	-52	603	-27	349	-63	153	11	42	7	0	0	0	0	0	0	34	18	119	-12	354	-49	611	-127	3061	-294
5693 MCCURTAIN	790	-8	577	-12	311	-67	111	-4	47	21	0	0	0	0	0	0	23	9	113	-2	322	-53	592	-106	2883	-221
6130 MUSKOGEE	885	26	*	*	*	*	147	15	50	17	0	0	0	0	0	0	15	0	108	-26	375	-52	641	-115	*	*
6670 OKMULGEE	917	-20	787	90	434	-53	219	47	80	46	0	0	0	0	0	0	36	15	*	*	443	-23	714	-80	*	*
7862 SALLISAW	875	35	*	*	367	-40	149	18	*	*	0	0	0	0	0	0	28	17	77	-48	*	*	*	*	*	*
8506 STILLWELL	*	*	*	*	*	*	171	-5	79	27	0	0	0	0	0	0	42	22	174	14	408	-43	668	-107	*	*
8677 TAHLEQUAH	913	23	669	5	412	-31	167	5	77	15	0	0	0	0	0	0	35	8	*	*	379	-71	668	-116	*	*
9445 WEBBRS FALLS	945	24	746	54	442	-30	189	15	80	38	0	0	0	0	0	0	34	18	134	-19	406	-38	665	-129	3641	-68



**HEATING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 7 (SOUTHWEST)**

ID NAME	JAN HDD	DEP	FEB HDD	DEP	MAR HDD	DEP	APR HDD	DEP	MAY HDD	DEP	JUN HDD	DEP	JUL HDD	DEP	AUG HDD	DEP	SEP HDD	DEP	OCT HDD	DEP	NOV HDD	DEP	DEC HDD	DEP	ANNUAL HDD	DEP
179 ALTUS	787	-5	681	101	329	-41	144	21	41	29	0	0	0	0	0	0	20	14	117	17	388	1	633	-86	3139	51
184 ALTUS DAM	837	-50	805	147	441	-8	207	51	73	52	0	0	0	0	0	0	24	16	140	8	443	-19	665	-119	3633	76
1504 CARNEGIE	830	-44	742	98	370	-60	148	-6	43	26	0	0	*	*	0	0	21	9	135	17	412	-35	671	-107	*	*
1706 CHATTANOOGA	797	-19	677	83	352	-36	126	-10	37	28	0	0	0	0	0	0	16	9	*	*	*	*	612	-117	*	*
3353 FREDERICK	835	-12	734	107	385	-42	205	69	71	52	0	0	*	*	*	*	22	15	*	*	400	-29	*	*	*	*
4204 HOBART	875	7	760	113	422	-6	197	34	55	32	0	0	0	0	0	0	26	16	141	14	448	1	668	-110	3590	99
4249 HOLLIS	830	8	734	135	394	6	164	33	43	26	0	0	0	0	0	0	15	9	128	10	443	11	654	-96	3403	140
5063 LAWTON	851	-24	*	*	387	-48	191	52	63	48	0	0	0	0	0	0	*	*	123	-7	*	*	*	*	*	*
5068 FORT SILL	810	*	697	*	353	*	161	*	45	*	0	*	0	*	0	*	21	*	140	*	402	*	612	*	3240	*
5509 MANGUM	836	5	756	154	388	1	154	23	46	32	0	0	0	0	0	0	22	16	142	32	443	17	663	-87	3449	192
9278 WALTERS	*	*	*	*	*	*	185	64	64	55	0	0	0	0	0	0	18	9	*	*	352	-32	602	-96	*	*
9629 WICHITA MT	885	-26	810	135	429	-60	*	*	84	52	0	0	*	*	0	0	38	25	180	26	519	36	*	*	*	*

**HEATING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 8 (SOUTH CENTRAL)**

ID NAME	JAN HDD	DEP	FEB HDD	DEP	MAR HDD	DEP	APR HDD	DEP	MAY HDD	DEP	JUN HDD	DEP	JUL HDD	DEP	AUG HDD	DEP	SEP HDD	DEP	OCT HDD	DEP	NOV HDD	DEP	DEC HDD	DEP	ANNUAL HDD	DEP	
17 ADA	839	33	700	104	336	-56	164	32	50	30	0	0	0	0	0	0	25	17	139	11	406	13	646	-61	3303	121	
292 ARDMORE	716	-6	580	56	285	-36	117	21	42	37	0	0	0	0	0	0	23	18	89	10	319	-4	550	-79	2718	16	
1745 CHCKASAW NRA	808	-69	716	78	381	-55	167	22	18	-1	0	0	0	0	0	0	26	12	104	-25	341	-91	553	-197	3112	-327	
2660 DUNCAN	814	-39	714	90	367	-55	183	56	70	55	0	0	0	0	*	*	28	19	111	-11	400	-12	630	-105	*	*	
2678 DURANT	785	-47	639	37	316	-95	130	-10	59	39	0	0	0	0	0	0	24	14	115	-1	337	-60	596	-111	2999	-234	
4001 HEALDTON	754	-40	624	47	*	*	132	13	43	30	0	0	0	0	0	0	28	20	121	19	347	-39	593	-111	*	*	
5216 LINDSAY	850	19	700	92	330	-66	161	24	43	29	0	0	0	0	*	*	23	9	*	*	395	-16	656	-82	*	*	
5468 MADILL	730	-33	593	44	312	-37	119	17	42	33	0	0	0	0	0	0	29	21	*	*	328	-15	586	-71	*	*	
5563 MARIETTA	700	-54	557	14	272	-70	108	5	37	26	0	0	0	0	0	0	21	13	96	13	306	-44	556	-101	2652	-198	
5581 MARLOW	777	-48	648	46	312	-75	129	-4	39	23	0	0	0	0	0	0	23	13	108	-10	353	-53	595	-134	2982	-242	
5713 MCGEE CREEK	803	*	637	*	341	*	140	*	56	*	0	*	*	*	*	*	33	*	107	*	347	*	606	*	*	*	
6926 PAULS VALLEY	818	6	666	75	332	-42	137	15	38	21	0	0	0	0	0	0	23	14	119	19	378	-15	612	-107	3121	-16	
9395 WAURIKA	759	-2	639	90	341	2	143	33	37	29	0	0	0	0	0	0	0	0	106	20	336	-28	565	-105	2923	38	
9399 WAURIKA DAM	805	*	652	*	341	*	166	*	55	*	0	*	0	*	0	*	*	*	*	*	*	*	*	*	*	*	*

**HEATING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 9 (SOUTHEAST)**

ID NAME	JAN HDD	DEP	FEB HDD	DEP	MAR HDD	DEP	APR HDD	DEP	MAY HDD	DEP	JUN HDD	DEP	JUL HDD	DEP	AUG HDD	DEP	SEP HDD	DEP	OCT HDD	DEP	NOV HDD	DEP	DEC HDD	DEP	ANNUAL HDD	DEP
256 ANTLERS	778	9	*	*	347	-17	137	28	42	26	0	0	0	0	0	0	30	20	124	4	339	-27	593	-86	*	*
567 BATTIEST	838	*	609	*	392	*	164	*	68	*	0	*	*	*	0	*	38	*	162	*	407	*	650	*	*	*
980 BOSWELL	732	-31	562	8	308	-43	134	19	46	32	*	*	*	*	*	*	*	*	104	-3	297	-63	569	-88	*	*
1168 BRKN BOW DAM	724	-73	568	-29	392	-14	135	-3	48	20	0	0	0	0	0	0	30	22	113	-18	310	-71	542	-149	2860	-314
4384 HUGO	712	-5	516	1	273	-43	97	7	38	28	0	0	0	0	0	0	22	16	101	9	279	-51	550	-76	2587	-115
4451 IDABEL	736	-42	568	-10	330	-42	127	-4	52	33	0	0	0	0	0	0	30	22	112	-3	313	-67	616	-57	2882	-170
7254 POTEAU	854	*	639	*	*	*	162	*	67	*	0	*	0	*	0	*	34	*	139	*	341	*	683	*	*	*
8285 SMITHVILLE	853	38	606	-13	419	-4	202	44	72	29	0	0	0	0	0	0	34	13	167	7	391	-35	623	-99	3365	-21
9023 TUSKAHOMA	780	14	576	13	324	-35	129	10	44	28	0	0	0	0	0	0	33	20	120	12	331	-38	598	-78	2934	-55
9634 WILBURTON	830	5	621	11	344	-52	138	-2	46	8	0	0	0	0	0	0	29	14	135	-6	359	-56	633	-86	3134	-164

**COOLING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 1 (NORTHWEST)**

ID NAME	JAN CDD	DEP	FEB CDD	DEP	MAR CDD	DEP	APR CDD	DEP	MAY CDD	DEP	JUN CDD	DEP	JUL CDD	DEP	AUG CDD	DEP	SEP CDD	DEP	OCT CDD	DEP	NOV CDD	DEP	DEC CDD	DEP	ANNUAL CDD	DEP
332 ARNETT	0	0	0	0	6	6	29	6	63	-45	391	96	*	*	428	6	175	-1	36	5	0	0	0	0	*	*
593 BEAVER	0	0	0	0	3	3	47	29	113	18	464	159	434	-53	429	7	171	-1	40	23	0	0	0	0	1700	183
908 BOISE CITY	0	0	0	0	0	0	9	-3	69	1	384	133	388	-13	375	49	166	50	17	4	0	0	0	0	1406	219
1243 BUFFALO	0	0	0	0	8	-3	99	50	165	9	554	179	558	-7	592	87	282	32	72	21	0	0	0	0	2328	368
3407 GAGE	0	0	0	0	10	3	44	12	111	-22	433	94	443	-82	460	-8	206	-10	43	1	0	0	0	0	1749	-12
3489 GATE	0	0	0	0	7	0	57	27	139	12	504	160	461	-61	460	4	211	8	46	18	0	0	0	0	1882	166
3628 GOODWELL	0	0	0	0	0	0	21	9	105	34	435	184	417	-3	412	59	166	34	*	*	0	0	0	0	*	*
4298 HOOKER	0	0	0	0	2	2	39	20	104	7	424	124	398	-68	387	-7	155	-15	20	-10	0	0	0	0	1528	54
4766 KENTON	*	*	*	*	2	2	19	11	*	*	362	143	369	-19	369	50	141	41	13	2	*	*	*	*	*	*
6740 OPTIMA LAKE	0	*	*	*	5	*	*	*	103	*	444	*	426	*	377	*	157	*	28	*	*	*	*	*	*	*
9017 TURPIN	0	*	0	*	0	*	28	*	111	*	457	*	416	*	367	*	136	*	18	*	0	*	0	*	1531	*

**COOLING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 2 (NORTH CENTRAL)**

ID NAME	JAN CDD	DEP	FEB CDD	DEP	MAR CDD	DEP	APR CDD	DEP	MAY CDD	DEP	JUN CDD	DEP	JUL CDD	DEP	AUG CDD	DEP	SEP CDD	DEP	OCT CDD	DEP	NOV CDD	DEP	DEC CDD	DEP	ANNUAL CDD	DEP
193 ALVA	0	*	0	*	21	*	71	*	170	*	520	*	506	*	549	*	271	*	68	*	0	*	0	*	2175	*
755 BILLINGS	0	0	0	0	4	-4	24	-6	102	-43	451	88	442	-125	453	-43	179	-64	70	30	0	0	0	0	1724	-166
818 BLACKWELL	*	*	0	0	10	4	23	-7	125	-9	468	102	*	*	510	11	230	-21	72	33	1	1	0	0	*	*
1724 CHEROKEE	0	0	*	*	20	11	46	5	138	-23	522	111	525	-67	558	25	237	-38	61	14	1	1	0	0	*	*
2912 ENID	0	0	0	0	14	4	47	5	152	-6	489	96	523	-44	544	26	242	-23	66	10	0	0	0	0	2075	66
3304 FT SUPPLY	0	0	0	0	1	-6	60	32	117	14	461	146	430	-58	463	26	180	-4	*	*	0	0	0	0	*	*
3358 FREEDOM	0	0	0	0	5	-6	36	-7	93	-63	435	57	419	-139	464	-35	161	-84	40	3	0	0	0	0	1651	-273
3740 GRT SALT PLN	0	0	0	0	7	1	40	8	129	-14	483	114	462	-96	483	-10	196	-34	62	21	0	0	*	*	*	*
4019 HELENA	0	0	0	0	6	6	40	19	144	19	477	138	481	-43	502	28	217	3	59	28	0	0	0	0	1925	197
4573 JEFFERSON	0	0	2	2	21	14	52	11	152	-6	513	111	486	-89	527	9	212	-49	68	19	1	1	0	0	2030	22
6139 MUTUAL	0	0	0	0	8	8	44	18	92	-20	452	121	475	-46	487	22	196	-9	49	20	0	0	0	0	1801	112
6278 NEWKIRK	0	0	0	0	15	5	31	-9	129	-18	450	90	428	-115	451	-42	194	-52	61	20	1	1	0	0	1759	-118
7012 PERRY	0	0	0	0	25	11	66	13	182	15	*	*	494	-56	516	-2	235	-38	81	22	12	12	0	0	*	*
7201 PONCA CITY	0	0	0	0	19	11	50	15	179	24	501	141	478	-65	492	2	228	-8	69	31	0	0	0	0	2014	149
9404 WAYNOKA	0	0	0	0	20	10	61	15	137	-23	497	113	495	-69	526	18	211	-41	60	-4	0	0	0	0	2005	19

-18-

**COOLING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 3 (NORTH EAST)**

ID NAME	JAN HDD	DEP	FEB HDD	DEP	MAR HDD	DEP	APR HDD	DEP	MAY HDD	DEP	JUN HDD	DEP	JUL HDD	DEP	AUG HDD	DEP	SEP HDD	DEP	OCT HDD	DEP	NOV HDD	DEP	DEC HDD	DEP	ANNUAL HDD	DEP	
535 BARNSDALL	0	0	0	0	22	12	52	6	113	-32	427	73	409	-125	379	-109	162	-97	46	-4	13	13	0	0	1620	-263	
548 BARTLESVILLE	0	0	0	0	20	11	54	4	129	-21	454	100	435	-95	414	-68	179	-72	65	20	11	11	0	0	1759	-109	
782 BIXBY	0	0	0	0	14	6	38	16	101	-30	440	113	424	-72	367	-76	167	-49	76	38	4	4	0	0	1631	-50	
1828 CLAREMORE	0	0	0	0	7	2	30	8	85	-44	409	91	400	-103	348	-109	163	-72	61	22	5	5	0	0	1505	-200	
1902 CLEVELAND	0	*	0	*	30	*	81	*	149	*	445	*	*	*	*	*	192	*	76	*	11	*	0	0	*	*	
4567 JAY TOWER	0	0	0	0	1	*	45	*	*	*	425	*	400	*	398	*	*	*	78	*	3	*	*	*	*	*	
4672 KANSAS	0	0	0	0	5	-7	43	7	80	-42	387	96	369	-94	*	*	171	-48	*	*	0	0	0	0	*	*	
5522 MANNFORD	*	*	0	0	34	23	76	18	121	-25	428	80	*	*	418	-73	*	*	*	*	15	15	0	0	*	*	
5855 MIAMI	0	0	0	0	0	-7	37	18	85	-42	*	*	363	-105	337	-78	124	-88	*	*	*	*	*	*	*	*	
6485 NOWATA	0	0	0	0	13	7	40	-5	120	-26	434	92	*	*	373	-109	181	-62	58	13	6	6	*	*	*	*	
6935 PAWHUSKA	0	0	0	0	20	11	58	14	115	-25	423	87	408	-108	384	-87	166	-74	59	20	13	13	0	0	1645	-148	
7309 PRYOR	0	0	*	*	1	-6	29	2	78	-52	398	89	383	-104	*	*	149	-66	54	16	4	4	0	0	*	*	
7390 RALSTON	0	0	8	8	17	10	58	11	121	-37	419	62	413	-112	390	-92	172	-81	66	29	10	10	0	0	1673	-191	
8380 SPAVINAW	0	0	0	0	17	5	69	21	140	-16	478	130	461	-66	433	-57	230	-43	101	33	8	8	0	0	1936	13	
8992 TULSA	0	0	0	0	21	10	52	6	134	-41	463	82	443	-124	416	-97	203	-66	79	22	8	8	0	0	1816	-201	
9101 UPPER SPAV	*	*	0	*	*	*	78	*	165	*	548	*	459	*	379	*	175	*	*	*	*	*	*	*	*	*	*
9203 VINITA	0	0	*	*	*	*	43	14	87	-44	407	101	*	*	354	-80	*	*	*	*	3	3	0	0	*	*	
9247 WAGONER	0	0	0	0	10	-4	55	13	113	-46	448	97	431	-93	403	-87	207	-60	76	5	0	0	0	0	1741	-174	

**COOLING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 4 (WEST CENTRAL)**

ID NAME	JAN HDD	DEP	FEB HDD	DEP	MAR HDD	DEP	APR HDD	DEP	MAY HDD	DEP	JUN HDD	DEP	JUL HDD	DEP	AUG CDD	DEP	SEP HDD	DEP	OCT HDD	DEP	NOV HDD	DEP	DEC HDD	DEP	ANNUAL HDD	DEP
1445 CANTON DAM	*	*	0	0	*	*	41	8	104	-25	445	103	438	-93	488	17	171	-52	*	*	*	*	*	*	*	*
1909 CLINTON	0	0	0	0	23	14	58	7	144	-26	528	129	527	-56	542	3	255	-26	75	24	6	6	0	0	2157	75
2849 ELK CITY	0	0	0	0	27	20	46	9	132	-7	487	127	513	-12	501	33	254	25	*	*	*	*	*	*	*	*
2944 ERICK	0	0	0	0	17	11	40	3	138	-5	476	125	481	-38	508	40	260	25	60	27	2	2	0	0	1978	188
3497 GEARY	0	0	*	*	14	7	49	5	170	30	497	143	544	11	*	*	270	23	*	*	7	7	*	*	*	*
3871 HAMMON	0	0	0	0	9	3	46	11	96	-25	445	96	*	*	*	*	180	-34	34	1	0	0	0	0	*	*
6629 OKEENE	0	0	0	0	18	9	45	-5	126	-37	479	80	504	-70	543	19	228	-47	61	4	0	0	0	0	2002	-47
7579 REYDON	*	*	*	*	*	*	128	86	229	106	*	*	575	91	621	190	351	159	105	69	*	*	*	*	*	*
8708 TALOGA	0	0	0	0	18	11	41	9	112	-21	495	141	482	-45	501	27	231	4	56	27	0	0	0	0	1935	152
9364 WATONGA	0	0	0	0	24	17	59	20	152	10	493	127	508	-32	534	41	244	-3	70	25	1	1	0	0	2083	205
9422 WEATHERFORD	*	*	*	*	*	*	48	20	188	49	495	132	529	-1	505	24	*	*	73	39	0	0	*	*	*	*

**COOLING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 5 (CENTRAL)**

ID NAME	JAN HDD	DEP	FEB HDD	DEP	MAR HDD	DEP	APR HDD	DEP	MAY HDD	DEP	JUN HDD	DEP	JUL HDD	DEP	AUG CDD	DEP	SEP HDD	DEP	OCT HDD	DEP	NOV HDD	DEP	DEC HDD	DEP	ANNUAL HDD	DEP
830 BLANCHARD	0	0	0	0	33	20	68	11	131	-33	463	100	481	-66	502	-19	239	-43	90	19	13	13	0	0	2018	2
1144 BRISTOW	0	0	0	0	24	12	61	1	126	-31	459	102	447	-81	401	-93	180	-79	73	4	11	6	0	0	1780	-159
1684 CHANDLER	*	*	*	*	28	16	75	21	137	-20	492	132	482	-62	*	*	261	-5	*	*	8	8	*	*	*	*
1750 CHICKASHA	0	0	0	0	24	12	71	11	137	-44	500	98	515	-40	514	15	244	-26	97	34	9	9	0	0	2110	68
2318 CUSHING	*	*	*	*	12	3	47	14	130	-13	459	120	432	-92	414	-73	191	-49	70	21	3	3	0	0	*	*
2818 EL RENO	0	0	0	0	22	14	63	18	130	-12	484	124	502	-35	526	33	235	-12	74	28	12	12	0	0	2046	170
3821 GUTHRIE	*	*	*	*	34	23	93	37	190	16	527	140	557	-10	595	62	264	-27	95	35	16	16	0	0	*	*
4055 HENNESSEY	0	0	0	0	12	4	19	-24	129	-31	506	122	503	-65	*	*	221	-37	63	7	2	2	0	0	*	*
4861 KINGFISHER	0	0	0	0	18	9	37	-21	147	-20	476	83	499	-72	487	-37	208	-70	70	14	3	3	0	0	*	*
5779 MEEKER	0	0	*	*	*	*	59	3	110	-44	431	80	477	-48	439	-67	*	*	73	11	12	12	0	0	*	*
6386 NORMAN	0	0	0	0	26	13	59	6	120	-42	438	72	461	-73	486	-16	237	-44	96	37	11	11	0	0	1931	-36
6638 OKEMAH	0	0	0	0	*	*	75	31	154	6	488	137	483	-32	472	-21	286	22	119	52	12	12	0	0	*	*
6661 OKLA CITY	0	0	0	0	19	10	42	4	110	-27	438	87	462	-66	456	-44	203	-53	67	23	9	9	0	0	1802	-57
7327 PURCELL	0	0	0	0	26	14	61	7	124	-46	449	68	476	-76	484	-40	216	-74	86	23	9	9	0	0	1930	-114
8042 SEMINOLE	0	0	0	0	33	15	73	9	161	-28	503	104	518	-53	466	-81	235	-68	99	24	11	11	0	0	2097	-67
8501 STILLWATER	0	0	0	0	8	2	43	10	139	6	459	123	472	-43	451	-24	175	-55	65	37	2	2	0	0	1812	57

-19-

**COOLING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 6 (EAST CENTRAL)**

ID NAME	JAN HDD	DEP	FEB HDD	DEP	MAR HDD	DEP	APR HDD	DEP	MAY HDD	DEP	JUN HDD	DEP	JUL HDD	DEP	AUG CDD	DEP	SEP HDD	DEP	OCT HDD	DEP	NOV HDD	DEP	DEC HDD	DEP	ANNUAL HDD	DEP
2993 EUFAULA	0	0	0	0	25	6	132	67	295	111	617	227	610	43	*	*	*	*	528	437	*	*	*	*	*	*
3884 HANNA	0	0	*	*	17	1	71	23	112	-46	460	94	453	-69	395	-101	199	-72	83	27	9	9	0	0	*	*
4235 HOLDENVILLE	0	0	0	-6	24	12	65	23	118	-39	454	100	462	-62	421	-92	222	-53	90	17	10	10	0	0	1863	-90
5664 MCALESTER	2	2	0	0	29	15	66	17	135	-28	463	97	450	-75	418	-87	248	-29	106	35	10	3	0	0	1926	-49
5693 MCCURTAIN	0	0	0	0	31	11	96	42	152	-19	477	105	484	-55	422	-87	246	-38	98	23	5	5	0	0	2009	-20
6130 MUSKOGEE	0	0	*	*	*	*	73	31	134	-27	470	110	459	-74	431	-69	218	-53	85	25	3	3	0	0	*	*
6670 OKMULGEE	0	0	0	0	10	1	35	7	74	-60	410	77	399	-88	343	-111	163	-66	*	*	0	0	0	0	*	*
7862 SALLISAW	0	0	*	*	9	-5	60	10	*	*	421	58	431	-90	386	-110	251	-25	105	36	0	0	0	0	*	*
8506 STILWELL	*	*	*	*	*	*	49	15	54	-72	379	79	344	-118	296	-132	150	-72	55	10	0	0	0	0	*	*
8677 TAHLEQUAH	0	0	0	0	9	-3	60	15	88	-67	420	102	378	-103	356	-104	188	-64	*	*	2	2	0	0	*	*
9445 WEBBRS FALLS	0	0	0	0	11	4	47	14	96	-55	436	85	404	-115	366	-105	212	-39	92	51	5	5	0	0	1667	-154

**COOLING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 7 (SOUTHWEST)**

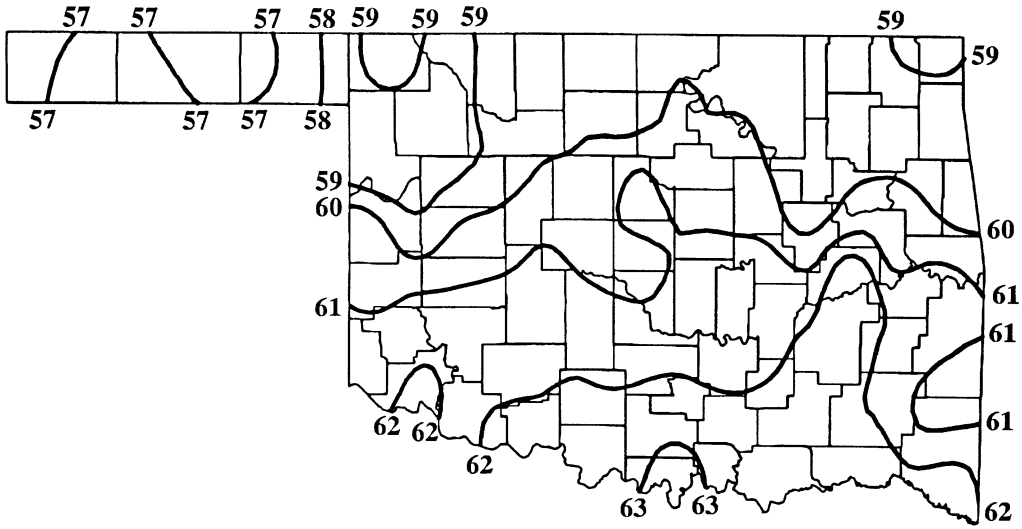
ID NAME	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	CDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP
179 ALTUS	0	0	0	0	27	13	65	-7	179	-37	573	126	539	-66	568	16	297	-12	119	31	10	10	0	0	2376	72
184 ALTUS DAM	0	0	0	0	11	2	67	19	195	16	598	181	573	-23	613	70	306	28	100	45	8	8	0	0	2469	344
1504 CARNEGIE	0	0	0	0	26	18	63	11	153	-13	498	99	*	*	513	-8	258	-21	83	27	11	11	0	0	*	*
1706 CHATTANOOGA	0	0	0	0	23	11	76	10	183	-13	542	110	525	-74	587	26	306	-10	*	*	*	*	0	0	*	*
3353 FREDERICK	0	0	0	0	18	7	54	-1	131	-53	517	91	*	*	*	*	292	-1	*	*	8	8	*	*	*	*
4204 HOBART	0	0	0	0	14	4	46	-10	160	-16	533	125	526	-55	536	9	285	8	94	32	7	7	0	0	2199	104
4249 HOLLIS	0	0	0	0	15	3	56	-12	173	-36	554	116	530	-65	524	-13	290	-1	85	20	9	9	0	0	2235	21
5063 LAWTON	0	0	*	*	24	14	69	23	143	-27	513	114	517	-57	499	-37	*	*	98	42	*	*	*	*	*	*
5068 FORT SILL	0	*	0	*	35	*	74	*	139	*	483	*	494	*	532	*	271	*	83	*	7	*	0	*	2118	*
5509 MANGUM	0	0	0	0	24	9	37	-31	164	-50	508	73	508	-88	520	-26	281	-16	94	21	9	9	0	0	2143	-99
9278 WALTERS	*	*	*	*	*	*	70	-7	134	-78	505	76	486	-106	553	-11	285	-40	*	*	12	12	0	0	*	*
9629 WICHITA MT	0	0	0	0	14	3	*	*	88	-44	434	83	*	*	452	-38	223	-12	64	18	3	3	*	*	*	*

**COOLING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 8 (SOUTH CENTRAL)**

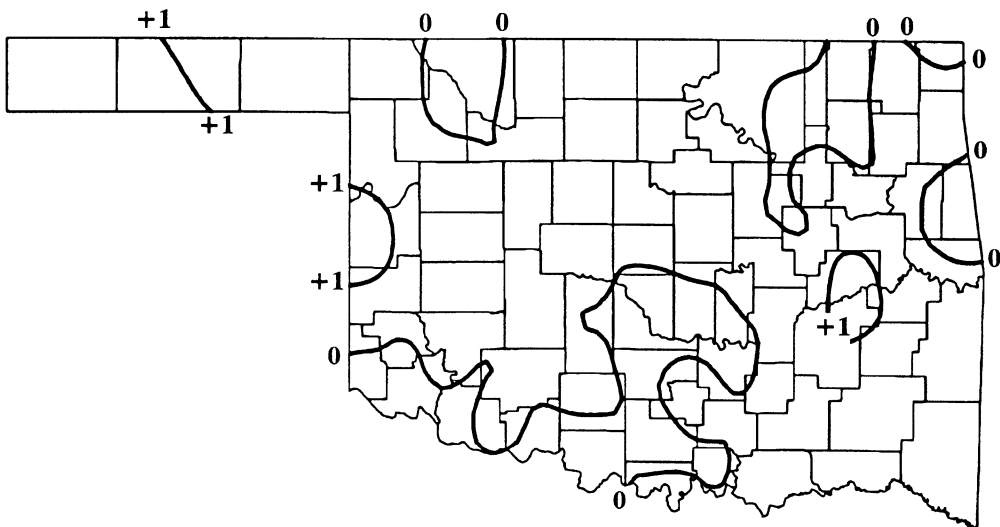
ID NAME	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL		
	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	CDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	
17 ADA	0	0	0	0	21	4	65	11	123	-41	449	92	472	-61	427	-79	207	-66	97	13	3	-3	0	0	1861	-130	
292 ARDMORE	0	0	0	-6	38	12	85	-6	146	-76	479	50	461	-129	476	-95	254	-88	114	1	17	10	0	0	2067	-326	
1745 CHCKASAW NRA	0	0	0	0	27	16	62	19	137	-6	487	130	497	-34	501	-14	259	-14	133	85	15	15	0	0	2115	197	
2660 DUNCAN	0	0	0	0	27	15	68	16	128	-43	458	71	462	-99	*	*	242	-43	107	41	10	10	0	0	*	*	
2678 DURANT	2	2	0	0	32	15	90	35	133	-34	461	86	470	-67	426	-86	249	-28	117	51	16	9	0	0	1994	-17	
4001 HEALDTON	0	0	0	0	*	*	81	16	124	-57	456	66	463	-93	478	-56	241	-59	106	35	15	15	0	0	*	*	
5216 LINDSAY	0	0	0	0	24	11	64	5	133	-37	453	78	475	-75	*	*	220	-52	*	*	13	13	0	0	*	*	
5468 MADILL	0	0	0	0	27	7	83	23	162	-29	438	36	480	-87	425	-128	240	-81	*	*	17	11	0	0	*	*	
5563 MARIETTA	0	0	0	0	40	20	98	37	169	-19	491	98	484	-80	491	-55	282	-39	123	33	22	15	0	0	2198	9	
5581 MARLOW	0	0	0	0	37	23	93	41	155	-2	481	118	470	-66	522	14	257	-14	109	41	14	14	0	0	2136	167	
5713 MCGEE CREEK	2	*	0	*	31	*	72	*	154	*	449	*	*	*	411	*	242	*	117	*	9	*	0	*	*	*	
6926 PAULS VALLEY	0	0	0	0	36	21	81	13	131	-61	469	70	471	-96	489	-50	239	-58	104	35	15	15	0	0	2034	-111	
9395 WAURIKA	0	0	0	0	30	7	68	-15	176	-41	503	74	519	-79	530	-37	275	-51	127	38	9	3	0	0	2235	-102	
9399 WAURIKA DAM	0	*	0	*	29	*	82	*	165	*	480	*	501	*	519	*	*	*	*	*	*	*	*	*	*	*	*

**COOLING DEGREE DAY ACCUMULATIONS AND DEPARTURES FROM NORMAL (BASE 65°F)  
CLIMATE DIVISION 9 (SOUTHEAST)**

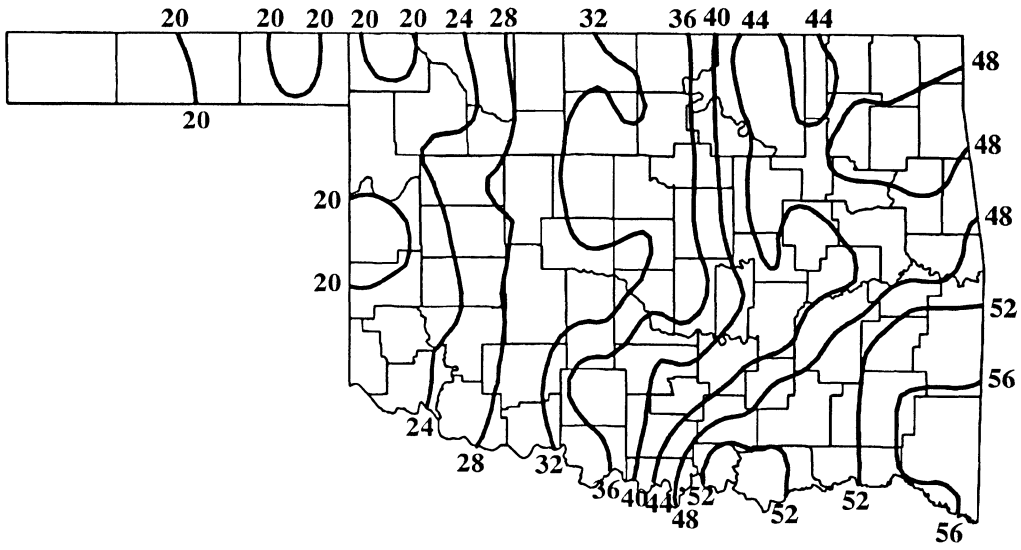
ID NAME	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	CDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP
256 ANTLERS	0	0	*	*	8	-12	60	14	135	-26	443	77	437	-68	421	-81	237	-47	99	32	14	8	0	0	*	*
567 BATTIEST	0	*	2	*	3	*	37	*	69	*	333	*	333	*	314	*	174	*	71	*	8	*	0	0	*	*
980 BOSWELL	0	0	0	0	20	4	79	30	145	-21	*	*	*	*	*	*	*	113	44	18	10	0	0	*	*	
1168 BRKN BOW DAM	0	0	0	0	6	-4	73	41	145	-7	432	90	447	-35	417	-55	256	-13	112	55	7	7	0	0	1893	80
4384 HUGO	0	0	3	3	30	9	85	22	169	-28	464	71	481	-55	457	-65	278	-35	100	14	15	6	0	0	1962	-57
4451 IDABEL	0	0	0	0	18	6	76	35	152	-12	460	100	458	-35	424	-58	260	-15	104	39	11	6	0	0	*	*
7254 POTEAU	0	*	0	*	*	*	66	*	125	*	445	*	443	*	419	*	222	*	102	*	8	*	0	*	*	*
8285 SMITHVILLE	0	0	1	1	1	-12	36	10	77	-43	371	68	356	-84	308	-114	161	-64	66	27	8	8	0	0	1384	-204
9023 TUSKAHOMA	0	0	0	0	21	3	79	23	122	-40	435	72	441	-78	404	-95	243	-46	109	39	11	5	0	0	1864	-117
9634 WILBURTON	0	0	0	0	13	-1	73	24	116	-43	459	120	469	-34	402	-76	241	-11	94	37	7	7	0	0	1873	23



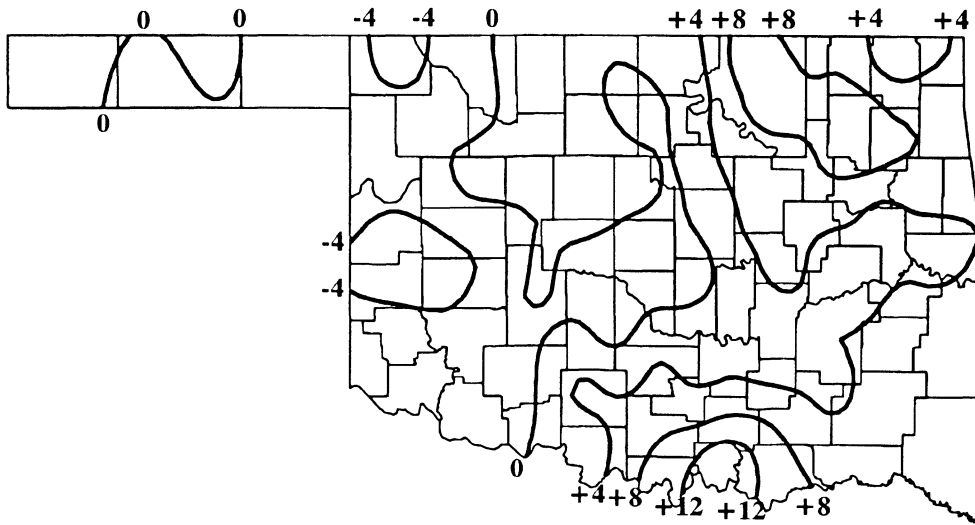
1994 ANNUAL TEMPERATURE (°F)



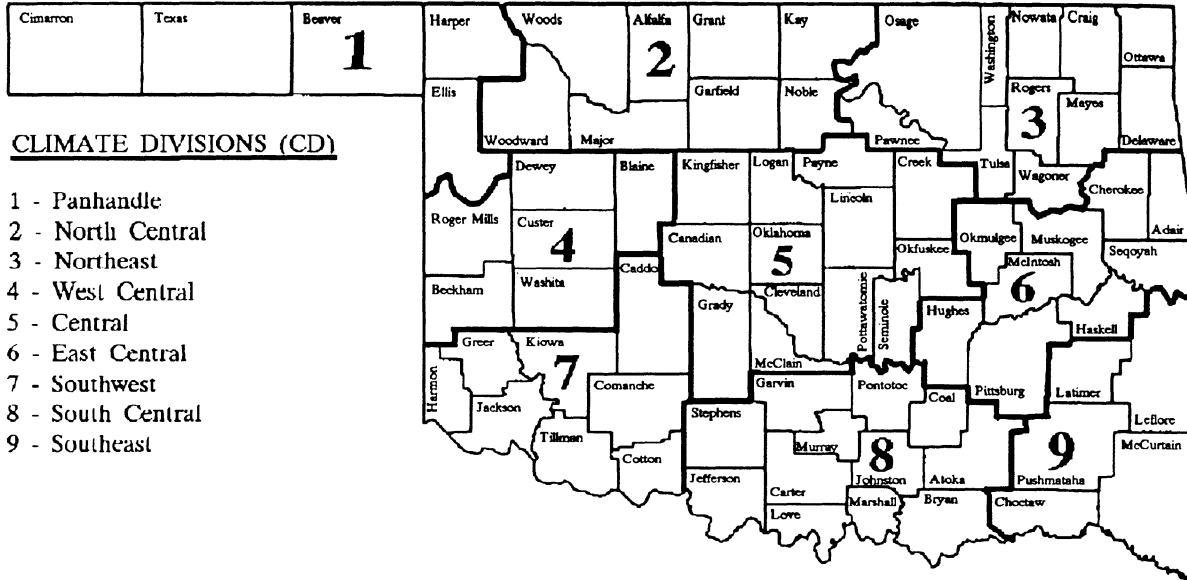
1994 DEPARTURE FROM NORMAL TEMPERATURE (°F)



1994 TOTAL PRECIPITATION (INCHES)



1994 DEPARTURES FROM NORMAL PRECIPITATION (INCHES)



**CLIMATE DIVISIONS (CD)**

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

**EXPLANATION OF TABLES**

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

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

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

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

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

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

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

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

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

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

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

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



Oklahoma Climatological Survey  
University of Oklahoma  
100 East Boyd, Suite 1210  
Norman, OK 73019-0628

Nonprofit Org.  
U.S. Postage  
PAID  
Norman, Okla.  
Permit No. 88