

1991 OKLAHOMA ANNUAL SUMMARY

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1991 OKLAHOMA SUMMARY

Intense rains near the end of 1991 offset a dry beginning to the year. The statewide-average annual precipitation total of 39.18 inches was the 21st wettest one-year total on record, 4.86 inches above the 1961-1990 normal. Precipitation was not spread uniformly across the state, as portions of northwest Oklahoma retained a precipitation deficit for the year. Temperatures were also above normal, averaging 61.2 degrees. The year ended tied as the 27th warmest, 0.9 degrees above normal.

The year began warm and dry. The combined average temperature during the months of January and February of 41.2 degrees was 2.5 degrees above normal. This countered a cold December 1990, leaving the winter 1990-1991 mean temperature 0.5 degree above normal. Precipitation during the first two months of the year tallied a meager 1.73 inches, which is 1.26 inches below normal. Overall, the winter was 1.07 inches below normal.

Western Oklahoma was particularly hard-hit by the dry conditions. During February, the western third of the state averaged only 0.01 inch of precipitation and the state as a whole ranked as the fourth driest. An ice storm in early January, a surprise six inch snowfall at Miami on February 24 and a 12 inch snowfall across the Panhandle on March 1 were the only major winter storms of the season.

The warm, dry weather continued into the spring, making the season the 6th warmest spring on record. The average temperature of 62.7 degrees was 2.7 degrees above normal. Spring rains helped alleviate some of the dry conditions left from the winter, but the season precipitation was still 0.33 inches below normal, totaling 10.43 inches over the three-month period.

High winds during early and mid-March spread the flames of numerous wildfires, including a devastating fire in northeast Oklahoma City. A statewide ban on outdoor burning was declared on March 12. Skies were also darkened on several occasions by dust kicked airborne by strong winds. The dry conditions were replaced in late March by the most active severe storm season since 1983. Fifty-eight tornadoes were reported in Oklahoma during the spring, compared to a 1950-1990 average of 32. There were also numerous reports of hail up to the size of softballs and winds in excess of 80 miles per hour.

Heavy rains persisted into June, pushing the summer precipitation total 0.23 inch above normal. The summer total was 9.62 inches. Parched conditions eased across northwest Oklahoma, which had recorded seven consecutive months of below-normal precipitation, but drought concerns were raised in northeast Oklahoma. Temperatures during the summer averaged near-normal for June and July, and slightly below normal in August. The mean summer temperature of 80.2 degrees was 0.2 degree above normal.

Daily rainfall totals in excess of five inches during June caused flooding across large parts of southwest and south central Oklahoma. During a 3-day period, Kingston and Madill each reported over ten inches of rain. The rains did not end until late in the month, when a ridge of high pressure cleared the skies, concluding a streak of 82 consecutive days with precipitation recorded somewhere in the state. Summertime temperatures pushed well above 100 degrees during mid-July and early August, but occasional cold fronts continued to traverse the state bringing periods of welcome relief from the heat. Despite relatively cool temperatures, high humidity and little wind made late August bothersome. Stagnant air also contributed to high pollution levels, prompting an ozone alert in Tulsa late in the month.

Each of the autumn months was marked by significantly above-normal precipitation. The autumn total of 12.61 inches was 3.18 inches above normal, making 1991 the 10th wettest autumn on record. The autumn average temperature of 59.6 degrees was 2.0 degrees below normal, the 7th coolest autumn of the past 100 years, as mild weather in September and October was replaced by extreme cold in November.

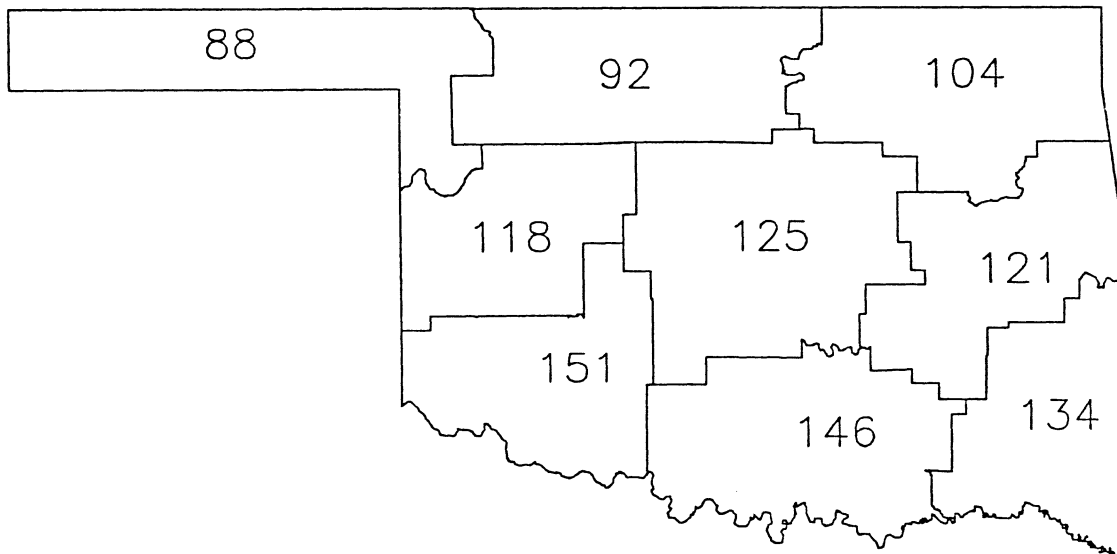
Cloud cover and cold fronts kept the state cool during much of September. Dry conditions late in September and early October allowed air to warm rapidly during the day, keeping afternoon temperatures mild throughout most of October. Aside from an early frost on the 4th, October was characterized by well above

normal temperatures. Daily maximum temperatures climbed as high as 99 degrees as late as October 23rd. A strong cold air mass hit the state on the 28th, abruptly terminating the mild weather and devastating fall crops and foliage. Temperatures in early November plunged below zero while daily maximum temperatures barely rose into double-digits. Ice and snow covered many sections of the state, with snowdrifts of three feet reported in the Panhandle. Although the extreme cold gave way to enjoyable conditions during mid-November, another bout of ice and snow hit the state on Thanksgiving weekend.

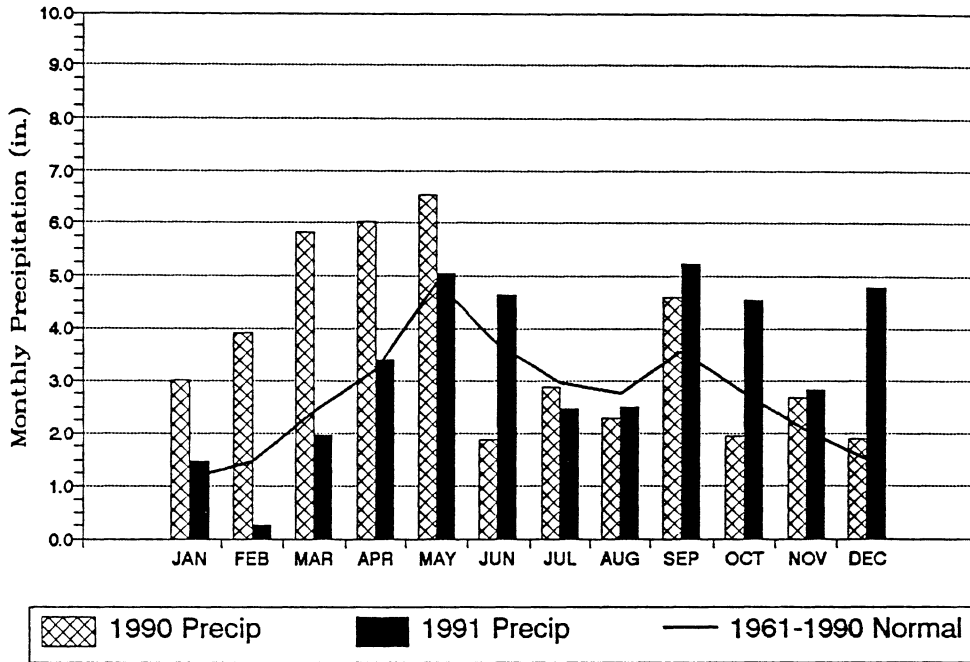
Despite signs of an early winter, temperatures moderated during December. Warm, humid air enveloped the state most of the month, making it the 18th warmest December on record. The 43.5 degree average temperature was 2.8 degrees above normal. Moist air also resulted in abundant precipitation. An average of 4.79 inches of precipitation fell across the state, making the month the third wettest December on record, 3.28 inches above normal. The abundant moisture produced thick clouds which enshrouded much of the state at year's end.

Mark A. Shafer

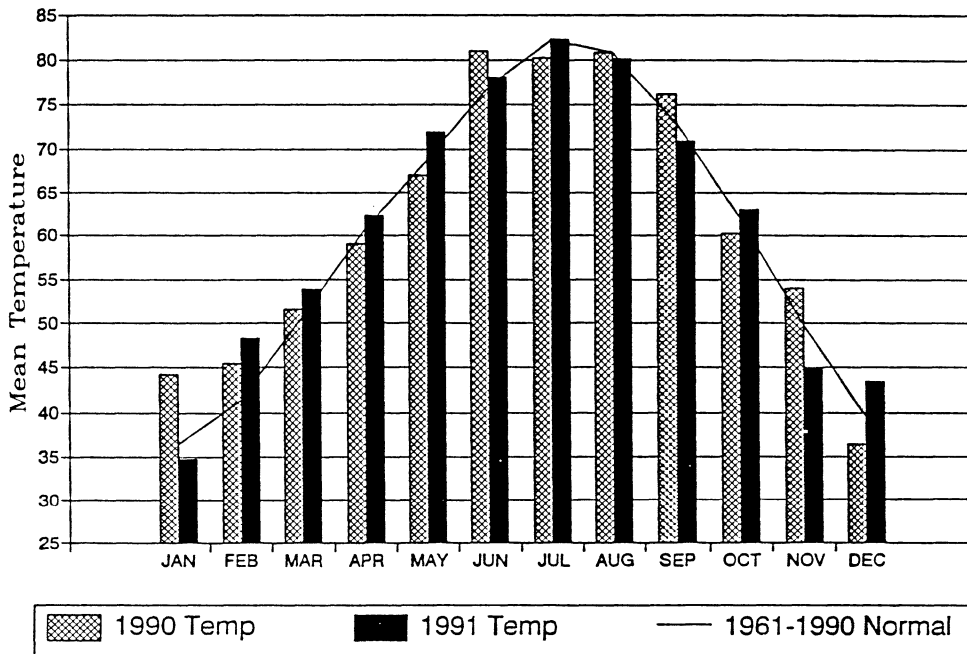
1991 ANNUAL CLIMATE DIVISION PERCENT OF
NORMAL PRECIPITATION



1990 and 1991 Monthly Precipitation Statewide Average for Oklahoma



1990 and 1991 Monthly Temperatures Statewide Average for Oklahoma



STORM SUMMARY REPORT

STATE OKLAHOMA MONTH _____ YEAR 1991

TYPE OF STORM	NUMBER	DAYS	DEATHS	INJURIES	DAMAGE*	
					PROPERTY	CROPS
TORNADOES	68	17	2	71	6.0 - 60.5 Million Dollars	50 - 500 Thousand Dollars
HAIL	 	 	0	0	.50 - 5.0 Million Dollars	No Estimate
THUNDERSTORM WINDS	 	 	0	3	1.7 - 17.5 Million Dollars	No Estimate
HIGH WINDS	 	 	0	0	1.0 - 10.0 Thousand Dollars	No Estimate
LIGHTNING	 	 	0	1	.50 - 8.0 Million Dollars	No Estimate
FLASH FLOODS	28	 	2	4	10.5 - 100.0 Thousand Dollars	5.0 - 50.5 Thousand Dollars
FLOODS	1	 	0	0	No Estimate	No Estimate
HEAVY SNOWSTORMS AND BLIZZARDS	 	 	0	0	No Estimate	No Estimate
ICE STORMS #	 	 	0	0	No Estimate	No Estimate
HURRICANES & TROPICAL STORMS	 	 	0	0	No Estimate	No Estimate
ALL OTHERS Heat	3	3	2	42	No Estimate	No Estimate
Winter Storm (Ice)	1	2	1	0	No Estimate	No Estimate

* Total damage for month, by categories.
Freezing drizzle and freezing rain, commonly known as glaze.

DESTRUCTIVE TORNADOES RETURN TO OKLAHOMA IN 1991

After several relatively docile years, 1991 saw an abrupt increase in the number of tornadoes in Oklahoma. Sixty-eight tornadoes were reported in the state during the past year. This was in contrast to fewer than 30 tornadoes reported each of the four years prior to 1991, and seven consecutive years below the 1950-1990 average of 50. Three tornadoes, all of which occurred on April 26, caused widespread damage and the only deaths attributable to the spring storms.

On March 21, the first day of spring, eleven tornadoes ripped across portions of southeast Oklahoma. The strongest of these hit Ada, causing two injuries and extensive damage. Another strong tornado, up to 3/4 of a mile wide, cut an intermittent 19-mile path across Atoka County, from near Caney to Lane. Five children were injured when the tornado hit their mobile home. The tornado also derailed 31 cars of a freight train.

More severe weather struck Oklahoma less than a week later. During the evening of March 26 a thunderstorm generated four tornadoes in northwest Oklahoma, the strongest traveling 44 miles across Grant and Kay Counties before moving into Kansas. No injuries were reported in Oklahoma from the storms.

The same area was hit again on April 12, when ten tornadoes touched down. The most powerful of the tornadoes were in Garfield and Grant Counties. Two of these were on the ground for over thirty minutes, but since the storms were moving slowly people in the path had adequate warning and time to seek shelter. The two tornadoes caused over two million dollars in damages, but there were no reports of injuries associated with them.

The most destructive storms of the year hit north central and northeastern Oklahoma on April 26. The threat of severe weather was demonstrated early that morning, when a tornado struck Tonkawa at 6:45 a.m. One death was indirectly associated with the tornado when a man was struck by a detached tree limb as he was clearing away debris.

Thunderstorms developed again over the region that afternoon, eventually producing three devastating tornadoes. One thunderstorm, which tracked across Garfield, Noble, Osage and Washington Counties, produced three large tornadoes. The most substantial of these remained on the ground for 85 minutes, weaving a path of destruction nearly a mile wide and 66 miles in length. Wind speeds of 286 miles per hour were measured in the tornado, making it one of the strongest ever recorded; however the tornado did not strike any towns directly so damage was not as severe as may have been expected from such winds. The thunderstorm spawned another tornado near Copan, killing a woman when the tornado flipped her car into a nearby field. Nine other people were injured in Copan.

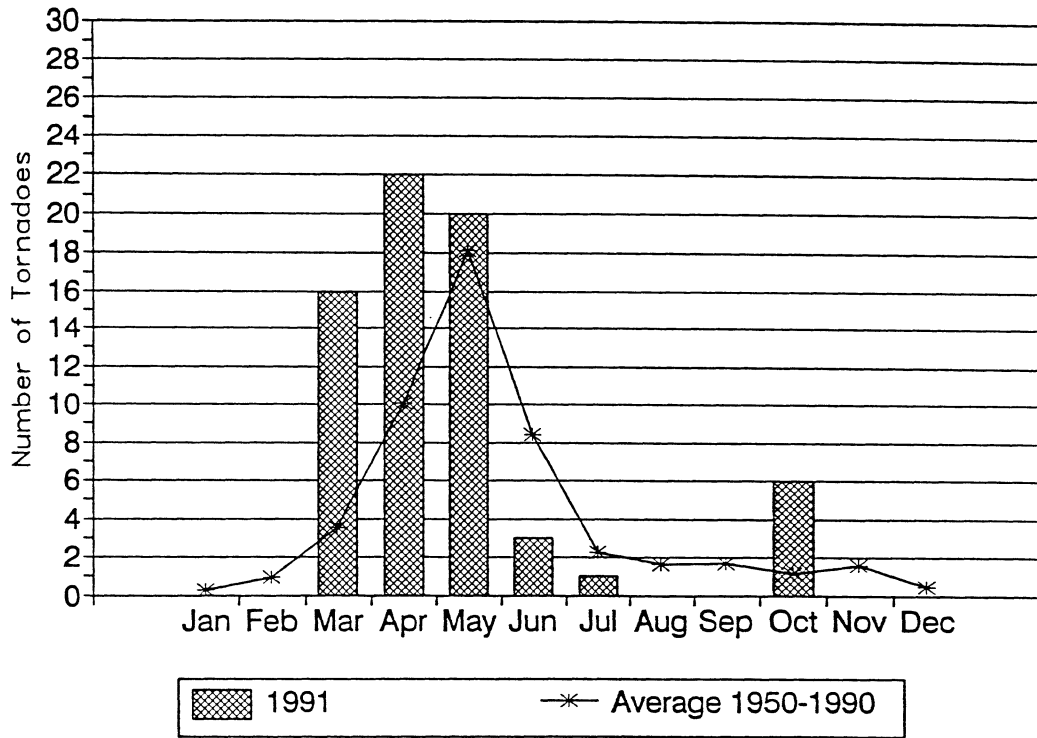
The most destructive tornadoes came from a thunderstorm which developed later that afternoon over Payne County. The first of two particularly destructive tornadoes produced by this storm traveled 32 miles, devastating an area a mile wide. The tornado remained on the ground for 77 minutes, narrowly missing Terrelton, but directly striking Westport and Skiatook. One person was killed when the tornado swept his car off the Cimarron Turnpike and 24 others were injured, mostly in the Skiatook area. Airplanes were tossed into trees in Westport, where 54 homes were destroyed, and an additional 32 homes were destroyed in Skiatook. Damage estimates totalled \$2.9 million. The second tornado was much shorter-lived but even more devastating. In an 8-minute period, a 3/4 mile-wide tornado ripped through Oologah, felling high-tension power lines and demolishing 60 homes and the Oologah school complex. Damage from this tornado alone has been estimated to be \$14.9 million.

Twenty more tornadoes were reported in May, eleven of these on the 15th and 16th. Only one of the tornadoes on the 15th produced significant damage. Three people were injured by a 1/2 mile-wide tornado when it destroyed a trailer home south of Laverne. Thunderstorms developed in eastern Oklahoma on the 16th, spawning several tornadoes near Tulsa, but again damage was minimal and no injuries were reported.

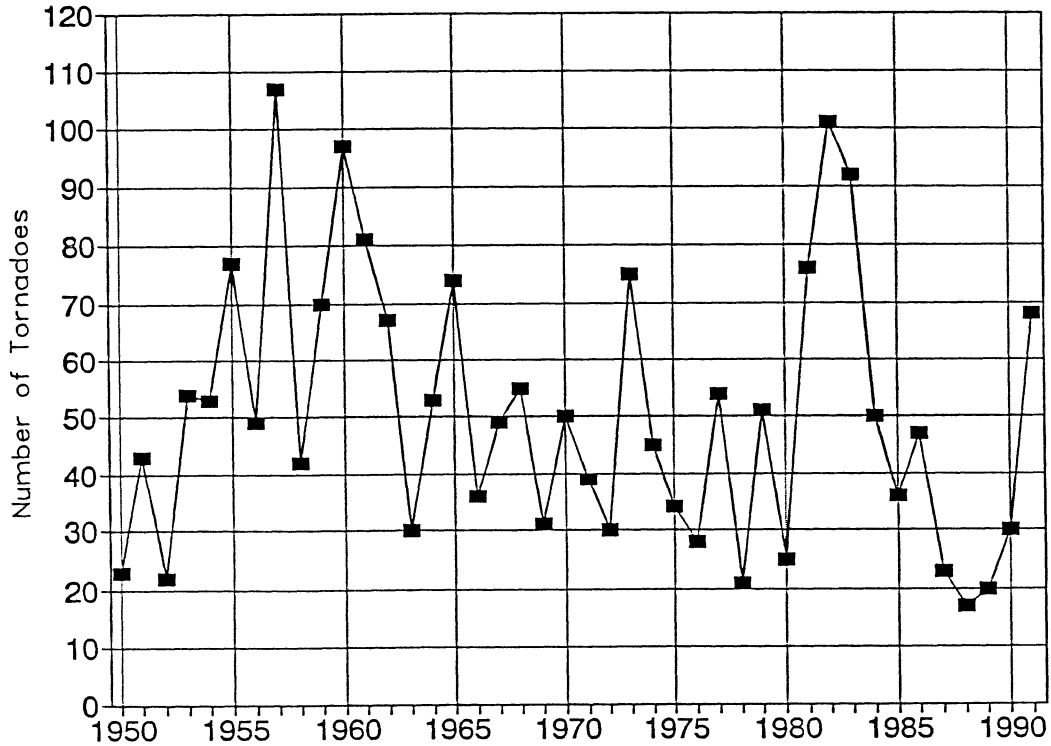
The last major tornado of the spring occurred near Woodward on May 26. The tornado tracked nearly 10 miles on the ground over a 20-minute period. Damage from the tornado was minor, but frequent lightning and very large hail associated with the storm caused additional damage.

Tornadoes of the magnitude seen in 1991 have in the past resulted in a much greater loss of life. Spotters, new technology for observing storms and rapid dissemination of information acted together to reduce the threat from tornadoes. Adequate warnings and safety precautions saved countless lives during this past spring. Both fatalities and most injuries occurred in vehicles or mobile homes, highlighting the need to keep informed of rapid weather changes and to seek proper shelter when weather becomes threatening.

Tornadoes in Oklahoma by Month in 1991



Number of Tornadoes in Oklahoma Total each Year, 1950-1991



TORNADO OCCURRENCES IN OKLAHOMA DURING 1991
 Listing is by event. See notes on next page.

<u>DATE</u>	<u>INT</u>	<u>TIME</u>	<u>LENGTH</u>	<u>WIDTH</u>	<u>DAMAGE</u>	<u>COUNTY</u>
3-21	F0	1430	0.25	30	4	Stephens
3-21	F3	1625-1642	11	350	6	Pontotoc
3-21	F1	1630-1637	5	175	5	Pontotoc
3-21	F1	1630	1	100	4	Johnston
3-21	F2	1710-1740	19	1400	5	Atoka
3-21	F1	1730	2	100	4	Carter
3-21	F1	1800	1.5	30	4	Pittsburg
3-21	F2	1802	10	150	5	Bryan
3-21	F0	1814	*	20	-	Johnston
3-21	F1	1925	2	50	-	Leflore
3-21	F0	1952	3	100	-	Bryan
3-26	F0	1825	*	20	-	Dewey
3-26	F2	1945-1957	9	300	5	Alfalfa
3-26	F3	2005-2113	44	500	6	Grant, Kay
3-26	F0	2112	*	20	-	Kay
3-26	F0	2343	*	20	-	Canadian
4-2	F1	1720	0.25	30	0	Woods
4-2	F0	1729	*	30	0	Stephens
4-2	F2	1845-1855	5	100	4	Woods
4-12	F2	1522-1551	9	300	4	Major
4-12	F0	1552	*	20	-	Garfield
4-12	F0	1605	1	30	0	Canadian
4-12	F2	1620-1640	6	50	4	Garfield
4-12	F0	1633-1639	2.5	30	0	Garfield
4-12	F3	1637-1716	9	400-800	5	Garfield, Grant
4-12	F0	1645-1648	1	30	0	Kingfisher
4-12	F3	1721-1751	9.5	500	6	Grant
4-12	F0	1830	*	20	0	Kingfisher
4-12	F1	1913-1917	2	40	0	Kingfisher
4-26	F2	0645	1	100	5	Kay
4-26	F3	1800-1809	6	350	5	Garfield
4-26	F0	1815	*	20	0	Garfield
4-26	F4	1830-1955	66	500-1500	6	Garfield, Noble, Osage
4-26	F2	1938-1947	6.5	100-800	5	Payne
4-26	F4	2010-2127	32	400-1700	6	Pawnee, Osage
4-26	F1	2027	0.25	10	-	Osage
4-26	F2	2105-2120	6	100	5	Washington
4-26	F4	2145-2153	4	1300	7	Rogers
4-26	F1	2210-2214	2	30	5	Rogers
5-2	F1	2000	0.25	30	-	McClain
5-2	F1	2020	0.50	30	-	Cleveland
5-4	F0	1658	0.25	20	-	Garvin
5-11	F0	2002-2015	0.50	70	-	Cimmaron

<u>DATE</u>	<u>INT</u>	<u>TIME</u>	<u>LENGTH</u>	<u>WIDTH</u>	<u>DAMAGE</u>	<u>COUNTY</u>
5-15	F3	2035-2111	11.5	200-900	5	Harper
5-15	F0	2130	0.50	50	-	Beckham
5-15	F0	2323	0.25	30	-	Dewey
5-15	F0	2330	0.50	50	-	Beckham
5-16	F0	0016	0.25	30	-	Major
5-16	F1	1809-1825	7	60	5	Okmulgee
5-16	F0	1818	0.25	30	-	Tulsa
5-16	F1	1820	0.50	50	4	Okmulgee
5-16	F0	2008	0.25	30	0	Tulsa
5-16	F2	2036-2040	4	100	5	Rogers
5-16	F0	2125	0.25	25	-	Rogers
5-23	F0	1820	0.1	70	-	Texas
5-26	F1	1853	2	75	4	Woodward
5-26	F3	1858-1918	9.5	800-1000	5	Woodward
5-26	F1	1859	1	50	3	Woodward
5-26	F0	2101	*	30	-	Major
6-5	F0	1307	0.25	50	-	Atoka
6-5	F0	1332-1340	4	100	-	Atoka, Choctaw
6-18	F0	1840-1852	0.5	30	-	Beaver
7-12	F0	2002	0.5	100	0	Kingfisher
10-24	F0	1316	*	20	-	Haskell
10-24	F0	1612	0.25	40	3	Tulsa
10-24	F0	1919	1	100	4	McIntosh
10-28	F1	0415	10.3	400-800	5	Adair
10-28	F0	0445	1.5	100	3	Delaware
10-28	F1	0510	2	400	5	Delaware

NOTES:

INTENSITY is based on wind speeds and observed damage:

- 0 40-72 m.p.h light damage
- 1 73-112 roof damage, mobile homes overturned
- 2 113-157 roofs torn off, trees snapped
- 3 158-206 some walls collapse, trees uprooted
- 4 207-260 houses leveled, cars thrown
- 5 261-318 houses disintegrate, trees debarked

TIME is local time (daylight time April 7-Oct 26)

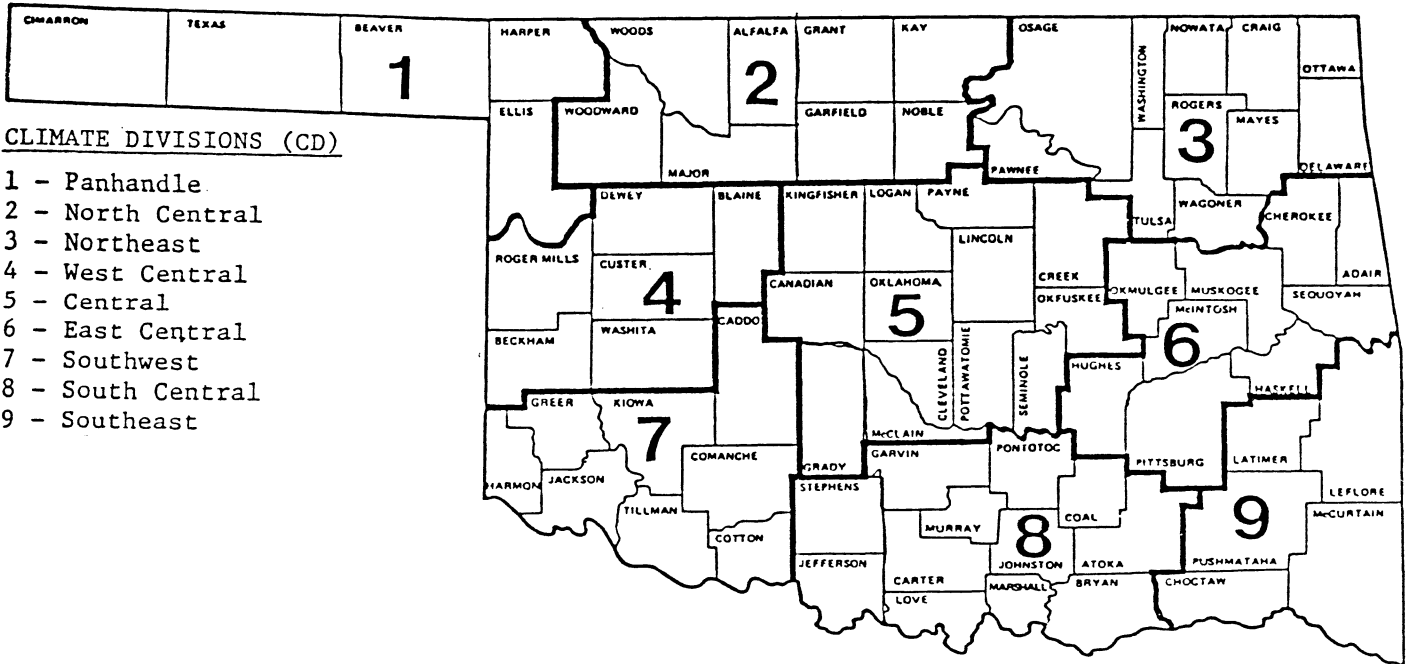
LENGTH is the continuous tornado track measured in miles

WIDTH is measured in yards (1760 yards = 1 mile)

DAMAGE is a monetary estimate:

- 1 Less than \$50
- 2 \$50 - \$500
- 3 \$500 - \$5,000
- 4 \$5,000 - \$50,000
- 5 \$50,000 - \$500,000
- 6 \$500,000 - \$5 million
- 7 \$5 million - \$50 million
- 8 \$50 million - \$500 million
- 9 \$500 million - \$5 billion

O K L A H O M A



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

1991 STATION SUMMARY

The following tables contain summaries of the cooperative data received at the OCS during 1990. They represent a preliminary description of climate conditions across the state and have been initially quality controlled for accuracy. Even so, they may not always agree precisely with those final values published by the National Climatic Data Center. Asterisks indicate data are missing within the month or that 30-year "normals" were unavailable. A station is included in the table only if six or more months of complete data are available. Annual averages and totals are computed only if all twelve monthly values are present. Climate division averages and totals are based on complete monthly records.

1991 TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

CLIMATE DIVISION 1 (NORTHWEST)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
			PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP
1	332	ARNETT	0.31	-0.12	0.00	-0.67	0.82	-0.48	0.28	-1.50	2.53	-1.61	2.47	-0.82	2.14	0.05	3.08	0.67	3.34	1.43	1.41	-0.40	1.87	0.78	2.07	1.44	20.35	-1.23
1	593	BEAVER	0.40	0.02	0.00	-0.58	1.10	-0.07	0.19	-1.06	2.43	-0.83	1.15	-1.69	3.60	0.73	2.00	-0.81	0.82	-0.70	0.85	-0.37	1.62	0.73	1.78	1.33	15.95	-3.30
1	908	BOISE CITY	0.68	0.32	0.00	-0.49	0.66	-0.16	0.57	-0.78	1.79	-0.64	2.37	0.38	*	*	3.42	1.04	1.80	0.24	1.51	0.68	1.48	0.85	1.23	0.83	*	*
1	1243	BUFFALO	0.30	-0.23	0.00	-0.92	1.40	-0.31	1.02	-1.05	1.99	-2.40	3.30	-0.30	1.40	-1.92	4.04	0.70	1.91	-0.89	0.55	-1.40	1.15	-0.18	2.93	2.24	19.99	-6.66
1	3070	FARGO	0.30	-0.16	0.00	-0.85	1.00	-0.29	0.52	-1.31	2.52	-1.44	2.30	-0.91	0.99	-1.20	1.13	-1.34	1.76	-0.06	1.18	-0.49	2.21	1.19	1.90	1.25	15.82	-5.61
1	3407	GAGE	0.24	-0.21	0.00	-0.82	0.87	-0.31	0.42	-1.43	1.95	-1.71	3.18	0.41	1.68	-0.43	1.78	-0.64	2.79	1.19	0.95	-0.64	2.15	1.31	2.29	1.65	18.31	-1.63
1	3489	GATE	0.37	*	*	*	1.81	*	0.16	*	*	*	*	*	2.29	*	5.58	*	0.92	*	1.73	*	2.31	*	2.33	*	*	*
1	3628	GOODWELL	0.32	0.07	0.00	-0.31	1.06	0.28	0.09	-1.01	3.91	1.04	3.75	1.45	0.98	-1.90	0.77	-1.60	1.17	-0.10	*	*	1.07	0.43	1.90	1.63	*	*
1	4298	HOOKER	0.15	-0.26	0.00	-0.46	1.30	0.07	0.20	-0.99	5.25	1.82	2.41	-0.54	2.57	-0.36	*	*	0.55	-1.07	1.01	-0.10	1.41	0.65	1.84	1.45	*	*
1	4766	KENTON	0.29	-0.01	0.01	-0.27	0.94	0.18	0.10	-1.19	1.25	-1.24	0.70	-1.12	2.82	-0.07	3.10	0.60	1.50	-0.01	*	*	*	*	*	*	*	*
1	5045	LAVERNE	0.23	-0.40	0.00	-0.88	1.25	-0.29	0.45	-1.08	2.05	-1.34	3.22	0.25	3.17	0.68	4.41	1.44	0.38	-1.63	1.40	-0.11	2.23	1.24	1.51	0.84	20.31	-1.28
1	6740	OPTIMA LAKE	0.30	*	0.00	*	0.95	*	0.14	*	6.03	*	3.25	*	2.18	*	0.92	*	*	*	1.13	*	1.41	*	2.53	*	*	*
1	7534	REGNIER	0.28	0.01	0.00	-0.27	0.94	0.26	0.06	-1.05	2.17	0.25	2.47	0.67	1.1	-1.49	2.94	1.03	1.60	0.19	0.47	-0.29	1.08	0.57	0.76	0.48	13.78	0.36

CLIMATE DIVISION 2 (NORTH CENTRAL)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL			
			PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP		
2	193	ALVA	*	*	0.00	*	0.98	*	1.79	*	3.85	*	2.53	*	1.11	*	7.73	*	1.73	*	1.82	*	1.36	*	1.58	*	*	*	*	
2	302	VANCE AFB	*	*	0.03	*	1.25	*	1.86	*	4.16	*	*	*	*	*	2.81	*	*	*	*	*	*	*	1.85	*	*	*	*	
2	755	BILLINGS	0.53	-0.38	0.00	-1.22	1.51	-0.56	4.05	1.13	3.30	-1.30	5.05	0.94	2.87	-0.65	0.67	-2.23	2.02	-2.20	2.20	-0.27	3.11	1.22	3.76	2.54	29.07	-2.98		
2	818	BLACKWELL	0.39	*	0.11	*	1.20	*	8.59	*	3.29	*	3.73	*	1.84	*	2.18	*	1.21	*	1.44	*	3.30	*	3.92	*	31.21	*		
2	1075	BRAMAN	0.14	*	0.11	*	0.78	*	4.27	*	3.06	*	2.30	*	3.66	*	1.67	*	*	*	1.22	*	4.47	*	3.40	*	*	*	*	
2	1620	CEDARDALE	*	*	*	*	*	*	*	*	*	*	*	*	1.62	*	3.74	*	3.55	*	1.62	*	2.41	*	2.31	*	*	*	*	
2	1724	CHEROKEE	0.00	-0.69	0.00	-0.92	0.97	-0.96	1.41	-1.14	4.03	0.18	4.52	0.53	2.68	-0.08	2.74	0.16	1.66	-1.01	*	*	5.35	4.07	3.00	2.13	*	*	*	
2	2912	ENID	0.03	-0.88	0.00	-1.16	1.28	-0.61	2.06	-0.72	2.83	-2.18	*	*	1.69	-1.49	2.28	-1.08	2.77	-0.44	0.57	-2.24	*	*	4.02	2.99	*	*	*	
2	3304	FT SUPPLY DA	0.27	-0.23	*	*	0.93	-0.33	0.95	-0.64	3.65	-0.06	4.22	1.28	1.66	-0.53	1.18	-1.34	1.67	-0.30	1.13	-0.30	2.34	1.42	2.20	1.58	*	*	*	
2	3358	FREEDOM	0.25	*	0.00	*	1.32	*	0.54	*	4.19	*	3.01	*	1.66	*	2.08	*	1.79	*	1.84	*	2.63	*	2.42	*	21.73	*	*	
2	3909	HARDY	0.77	*	0.14	*	1.76	*	6.89	*	*	*	*	*	4.48	*	*	*	0.75	*	2.20	*	2.15	*	4.40	*	*	*	*	
2	4019	HELENA	0.39	-0.32	0.15	-0.85	0.45	-1.47	2.26	-0.31	5.56	1.22	4.86	0.91	2.50	-0.58	2.91	0.30	1.46	-1.41	2.04	-0.08	2.94	1.39	2.75	1.81	28.27	0.61		
2	4573	JEFFERSON	0.26	-0.44	0.11	-0.86	0.70	-1.23	3.06	0.29	3.38	-0.54	3.19	-0.79	2.31	-1.61	1.83	-1.42	1.27	-1.86	1.76	-0.79	3.37	1.45	3.15	2.12	24.40	-5.68		
2	5013	LAMONT	0.28	*	0.08	*	1.16	*	*	*	3.28	*	2.35	*	*	*	0.75	*	2.91	*	2.11	*	3.20	*	3.31	*	*	*	*	
2	5768	MEDFORD	0.34	*	0.05	*	0.94	*	4.76	*	3.16	*	2.05	*	1.50	*	1.25	*	0.77	*	1.60	*	3.43	*	3.63	*	23.49	*	*	
2	6065	MORRISON	0.38	*	0.00	*	0.84	*	*	*	5.69	*	5.06	*	0.23	*	1.29	*	*	*	3.75	*	2.21	*	4.53	*	*	*	*	
2	6139	MUTUAL	0.25	-0.25	0.01	-0.92	1.25	-0.33	0.57	-1.88	*	*	2.86	-0.31	0.99	-1.57	2.39	0.19	4.73	2.25	1.66	0.14	2.43	1.28	2.78	2.12	*	*	*	
2	6278	NEWKIRK	0.35	-0.51	0.05	-1.05	0.43	-1.55	7.67	4.72	4.83	0.11	5.94	1.35	2.92	-0.63	*	*	0.90	-2.64	1.65	-1.12	1.12	-0.82	2.57	1.35	*	*	*	
2	6751	ORIENTA	0.00	*	0.00	*	1.07	*	2.12	*	4.41	*	2.51	*	2.18	*	5.43	*	3.04	*	0.60	*	2.54	*	2.61	*	26.51	*	*	
2	7012	PERRY	0.65	-0.22	0.15	-1.17	1.29	-1.07	2.51	-0.19	*	*	3.22	-0.91	3.91	0.38	1.51	-1.82	*	*	3.28	0.65	2.93	1.13	4.58	3.38	*	*	*	
2	7201	PONCA CITY	0.61	-0.30	0.13	-1.09	1.60	-0.50	*	*	5.84	1.35	5.76	1.59	2.44	-1.66	1.27	-2.09	2.12	-1.72	2.17	-0.43	3.86	1.81	3.46	2.19	*	*	*	
2	7505	RED ROCK	0.54	-0.33	0.00	-1.39	1.01	-1.24	3.07	0.28	5.60	0.97	5.21	1.18	3.31	-0.41	1.96	-0.98	2.08	-1.64	2.60	0.13	3.89	2.17	3.68	2.39	32.95	1.13	*	
2	9404	WAYNOKA	0.28	-0.32	0.00	-0.98	1.00	-0.63	0.59	-1.59	6.96	2.52	3.53	-0.22	1.32	-1.23	4.90	2.20	1.79	-0.71	1.71	0.00	1.96	0.68	3.13	2.36	27.17	2.08	*	
2	9760	WOODWARD	0.33	*	0.00	*	1.11	*	*	*	5.02	*	1.85	*	0.97	*	0.97	*	0.82	*	1.46	*	2.22	*	*	*	*	*	*	*

1991 TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

CLIMATE DIVISION 3 (NORTHEAST)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL		
			PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	
3	535	BARNSDALL	1.54	0.34	0.29	-1.14	0.34	-2.77	6.41	3.12	6.20	0.93	4.99	0.45	*	*	2.14	-1.03	4.51	-0.21	4.04	0.97	3.08	0.76	5.04	3.42	*	*	
3	548	BARTLESVILLE	1.43	0.27	0.05	-1.41	0.80	-1.93	4.85	1.53	6.90	2.23	3.27	-0.82	2.92	-0.07	0.99	-2.03	5.81	1.68	3.61	0.40	3.51	1.26	5.72	4.24	39.86	5.35	
3	782	BIXBY	0.58	-0.87	0.20	-1.41	1.96	-0.73	2.59	-1.32	5.79	1.14	4.20	-0.54	3.50	0.29	1.91	-0.88	6.68	2.33	6.42	3.26	3.34	0.61	4.35	2.52	41.52	4.40	
3	1256	BURBANK	0.83	*	0.14	*	0.85	*	5.48	*	4.53	*	5.49	*	1.99	*	3.36	*	2.32	*	2.61	*	2.53	*	4.35	*	34.50	*	
3	1717	CHELSEA	2.72	*	0.52	*	1.20	*	4.60	*	4.82	*	3.15	*	1.40	*	1.91	*	4.18	*	4.55	*	2.96	*	5.50	*	37.51	*	
3	1828	CLAREMORE	1.90	0.52	0.42	-1.20	2.29	-0.87	3.88	0.12	6.45	1.78	2.80	-1.83	2.49	-0.59	2.05	-0.86	7.14	3.26	3.89	0.47	4.42	1.63	5.17	3.32	42.91	5.75	
3	1902	CLEVELAND	*	*	*	*	*	*	*	*	6.89	*	4.15	*	*	*	0.59	*	*	*	3.66	*	3.80	*	4.39	*	*	*	
3	3250	FORAKER	0.79	-0.23	0.00	-1.22	0.90	-1.49	7.52	4.39	3.59	-1.23	9.48	5.29	2.36	-1.11	1.20	-2.31	2.51	-1.57	2.27	-0.83	1.21	-1.16	3.47	2.13	35.31	0.66	
3	4289	HOMINY	1.13	0.06	0.33	-1.06	1.13	-1.69	4.04	0.92	5.98	1.34	3.33	-0.82	2.16	-1.26	1.16	-1.87	6.33	1.85	4.66	1.71	4.13	2.07	4.82	3.54	39.21	4.79	
3	4393	HULAH DAM	*	*	0.06	-1.11	0.62	-2.02	*	*	5.06	0.75	*	*	1.60	-1.34	2.05	-0.98	*	*	*	*	*	*	4.24	2.95	*	*	
3	4567	JAY TOWER	*	*	0.71	*	*	*	*	*	*	*	0.98	*	*	*	2.22	*	8.07	*	3.29	*	4.71	*	5.65	*	*	*	
3	4672	KANSAS	3.03	*	0.53	*	2.22	*	4.65	*	2.73	*	1.38	*	0.77	*	5.44	*	5.56	*	6.19	*	6.31	*	5.00	*	43.82	*	
3	5118	LENAPAH	1.98	*	0.23	*	1.02	*	5.19	*	4.09	*	3.76	*	0.69	*	1.58	*	3.11	*	2.59	*	3.88	*	3.76	*	31.88	*	
3	5522	MANNFORD	1.51	0.39	0.37	-1.10	1.32	-1.25	3.54	0.25	6.04	1.25	3.80	-0.08	0.92	-2.28	1.06	-2.02	*	*	6.00	3.36	3.94	1.74	4.19	2.77	*	*	
3	5540	MARAMEC	1.04	-0.01	0.21	-1.19	1.09	-1.36	3.16	0.17	6.19	1.18	3.21	-0.69	0.22	-2.90	0.92	-2.00	6.97	3.05	3.58	0.42	3.72	1.71	4.87	3.64	35.19	2.02	
3	5855	MIAMI	*	*	*	*	*	*	5.67	1.95	3.64	-1.39	2.94	-1.94	2.31	-1.62	1.53	-1.98	3.17	-1.43	3.85	0.11	2.67	-0.28	4.84	2.69	*	*	
3	6485	NOWATA	2.17	0.89	0.00	-1.64	*	*	4.32	0.82	4.98	0.36	4.58	-0.20	0.98	-1.96	2.94	-0.45	*	*	3.72	0.42	3.22	0.67	5.11	3.31	*	*	
3	6713	ONETA	1.72	*	0.62	*	2.03	*	1.95	*	4.78	*	2.69	*	1.56	*	1.83	*	9.06	*	6.03	*	3.25	*	4.68	*	40.21	*	
3	6935	PAWHUSKA	1.18	0.07	0.06	-1.25	0.73	-1.95	7.29	4.22	5.32	0.56	8.11	3.80	3.43	-0.02	3.01	-0.33	4.54	0.43	3.08	0.15	3.47	1.44	4.48	3.13	44.72	10.25	
3	6940	PAWNEE	1.21	0.20	0.25	-1.06	1.17	-1.31	3.12	0.15	6.29	1.45	4.42	0.40	0.54	-2.59	1.30	-1.71	4.47	0.10	3.22	0.50	2.56	0.68	3.33	2.08	31.89	-1.11	
3	7309	PRYOR	1.99	0.47	0.38	-1.41	0.93	-2.18	5.47	1.57	3.40	-1.48	2.61	-2.06	1.06	-2.00	3.29	-0.11	6.20	2.04	3.82	0.05	*	*	4.63	2.59	*	*	
3	7390	RALSTON	0.98	-0.02	0.00	-1.30	0.95	-1.57	4.63	1.66	7.75	3.03	4.33	-0.06	1.76	-1.73	1.57	-1.35	2.34	-1.52	2.44	-0.25	2.45	0.50	4.24	2.88	33.44	0.27	
3	7394	RAMONA	1.11	*	0.55	*	0.77	*	5.06	*	4.18	*	5.63	*	1.15	*	2.95	*	4.94	*	3.50	*	4.25	*	4.18	*	38.28	*	
3	8258	SKIATOOK	1.36	0.17	0.56	-1.07	1.11	-1.72	3.17	-0.30	5.84	1.17	3.51	-0.80	1.71	-1.70	1.26	-1.60	5.17	0.84	5.60	2.41	3.88	1.53	2.54	1.09	35.71	0.02	
3	8380	SPAVINAW	2.08	0.55	0.54	-1.25	1.24	-1.89	6.16	2.08	3.28	-1.78	1.52	-3.26	0.51	-3.22	4.34	0.74	5.94	1.56	3.00	-0.65	4.83	1.62	5.49	3.46	38.94	-2.04	
3	8992	TULSA	1.42	0.07	0.38	-1.36	1.02	-2.12	2.56	-1.59	4.70	-0.45	3.63	-0.95	0.35	-3.16	1.17	-1.84	6.15	1.78	4.54	1.13	2.84	0.28	3.31	1.49	32.07	-6.72	
3	9101	UPPR SPAVINA	*	*	0.36	*	1.09	*	*	*	5.04	*	1.51	*	0.68	*	3.95	*	5.60	*	3.53	*	*	*	*	*	*	*	*
3	9203	VINITA	2.19	0.66	0.85	-0.96	1.15	-2.39	4.35	0.28	*	*	1.20	-3.67	*	*	*	*	*	*	3.32	-0.40	5.39	2.43	5.72	3.58	*	*	
3	9247	WAGONER	1.65	-0.07	0.49	-1.40	0.93	-2.46	3.97	-0.70	4.40	-0.43	3.68	-1.41	2.17	-1.33	3.59	0.74	7.22	3.13	5.51	2.41	4.49	1.29	5.83	3.77	43.94	3.54	
3	9298	WANN	1.44	*	0.10	*	0.80	*	5.06	*	7.48	*	3.66	*	*	*	1.62	*	*	*	2.72	*	3.40	*	4.35	*	*	*	
3	9792	WYONOA	1.51	*	0.40	*	0.67	*	*	*	5.90	*	4.70	*	1.64	*	1.91	*	*	*	3.37	*	3.52	*	4.09	*	*	*	

CLIMATE DIVISION 4 (WEST CENTRAL)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
			PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP
4	1445	CANTON DAM	*	*	*	*	*	*	2.11	-0.18	5.72	0.77	1.87	-1.83	2.66	0.25	6.33	4.08	3.47	0.34	1.91	-0.17	*	*	*	*	*	*
4	1738	CHEYENNE	0.00	*	0.00	*	1.11	*	0.22	*	*	*	3.80	*	*	*	1.86	*	3.58	*	0.73	*	1.55	*	2.88	*	*	*
4	1909	CLINTON	0.92	0.21	0.00	-1.04	1.76	0.06	1.30	-1.09	4.32	-0.68	2.71	-0.64	1.65	-0.87	3.15	0.36	7.92	4.92	2.05	-0.65	1.51	0.04	3.72	2.81	31.02	3.43
4	2039	COLONY	0.75	*	0.00	*	1.53	*	1.72	*	4.67	*	2.94	*	3.24	*	5.92	*	6.06	*	2.24	*	1.81	*	4.47	*	35.35	*
4	2125	CORDELL	0.80	0.10	0.00	-1.03	1.52	-0.11	1.19	-1.00	4.80	0.12	3.16	0.09	0.78	-1.74	3.26	0.63	5.00	2.20	2.26	-0.32	1.24	-0.15	4.46	3.55	28.48	2.34
4	2849	ELK CITY	0.68	0.13	0.00	-0.95	*	*	0.98	-1.23	7.03	2.10	4.60	1.28	1.48	-0.93	4.00	1.67	4.19	1.61	*	*	*	*	3.43	2.72	*	*
4	2944	ERICK	0.68	0.20	0.00	-0.86	1.72	0.31	0.34	-1.86	5.42	1.01	3.60	0.63	3.18	1.05	3.55	1.43	4.74	1.93	3.11	0.91	1.25	0.26	3.46	2.78	31.06	7.79
4	3871	HAMMON	0.58	0.07	0.00	-0.91	0.66	-0.90	1.94	-0.28	6.62	2.06	4.52	1.56	3.83	1.68	3.73	1.29	5.80	3.09	1.95	0.05	1.82	0.43	4.05	3.34	35.52	11.48
4	5090	LEEDEY	0.47	0.01	0.00	-0.90	1.92	0.58	0.09	-2.41	7.57	2.79	*	*	*	*	3.70	1.12	3.72	1.49	0.40	-1.36	2.59	1.26	3.07	2.38	*	*
4	5463	MACKIE	0.44	*	0.00	*	*	*	*	*	2.98	*	2.25	*	1.94	*	2.86	*	3.11	*	1.68	*	1.47	*	1.97	*	*	*
4	6035	MORAVIA	0.84	0.34	0.00	-0.96	1.57	0.04	0.43	-1.66	6.07	1.32	2.97	-0.02	1.27	-1.02	1.83	-0.23	4.89	2.12	2.03	-0.39	1.67	0.62	4.36	3.56	27.94	3.72
4	6629	OKEENE	0.35	-0.24	0.00	-0.94	2.07	0.25	1.54	-0.79	5.66	0.67	2.22	-1.75	1.21	-1.13	3.51	0.94	2.81	-0.12	2.06	-0.06	2.45	0.85	3.63	2.77	27.51	0.45
4	7565	RETROP	0.66	*	0.00	*	1.41	*	*	*	6.80	*	3.50	*	0.48	*	2.84	*	5.05	*	2.72	*	1.60	*	4.53	*	*	*
4	7579	REYDON	0.14	-0.25	0.00	-0.79	1.48	0.08	0.26	-2.01	4.19	-0.10	3.67	0.36	*	*	*	*	4.29	1.95	*	*	*	*	2.71	2.09	*	*
4	7952	SAYRE	0.63	0.21	0.00	-0.72	1.74	0.46	0.88	-1.17	4.99	0.58	3.19	0.02	2.04	-0.03	3.25	1.20	3.37	0.93	2.70	0.57	1.28	0.19	3.61	3.01	27.68	5.25
4	8652	SWEETWATER	1.00	*	0.01	*	1.57	*	0.13	*	4.12	*	1.88	*	2.32	*	3.21	*	4.08	*	2.06	*	1.46	*	*	*	*	*
4	8708	TALOGA	0.42	-0.13	0.00	-0.94	1.30	-0.32	1.32	-1.12	6.29	1.16	*	*	0.70	-1.92	4.06	1.62	3.31	0.68	1.79	-0.07	2.87	1.40	2.58	1.95	*	*
4	8815	THOMAS	0.34	*	0.02	*	1.69	*	1.83	*	4.66	*	2.97	*	1.87	*	2.81	*	4.57	*	2.02	*	2.05	*	3.87	*	28.70	*
4	9172	VICI	0.45	*	0.00	*	2.15	*	0.47	*	4.07	*	3.89	*	3.31	*	2.24	*	5.09	*	1.91	*	2.09	*	2.55	*	28.23	*
4	9364																											

1991 TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

CLIMATE DIVISION 5 (CENTRAL)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
			PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP
5	200	AMBER	1.42	*	0.00	*	1.51	*	1.93	*	7.03	*	3.74	*	2.76	*	1.56	*	8.73	*	3.91	*	1.86	*	4.73	*	39.18	*
5	325	TINKER AFB	*	*	0.11	*	1.54	*	1.09	*	5.95	*	4.35	*	*	*	*	*	*	*	3.20	*	*	*	5.62	*	*	*
5	830	BLANCHARD	1.30	*	0.03	*	1.43	*	2.02	*	8.55	*	4.05	*	2.77	*	1.81	*	10.54	*	2.91	*	*	*	5.24	*	*	*
5	1144	BRISTOW	1.29	0.14	0.02	-1.60	1.56	-0.99	2.71	-0.84	6.35	0.62	5.59	1.23	*	*	1.98	-0.64	6.04	2.04	4.70	2.16	3.53	1.20	5.21	3.62	*	*
5	1684	CHANDLER	0.60	-0.55	*	*	*	*	3.16	-0.06	5.20	-0.21	*	*	*	*	1.56	-0.69	4.74	0.95	4.90	2.47	*	*	5.00	3.61	*	*
5	1750	CHICKASHA	1.49	0.59	0.05	-1.16	1.51	-0.43	3.28	0.44	6.72	1.60	3.80	0.71	3.41	0.89	3.75	1.23	9.88	6.40	3.37	0.66	1.66	0.11	5.09	4.01	44.01	15.05
5	2196	COX CITY	2.13	*	0.25	*	1.63	*	3.71	*	8.45	*	5.51	*	6.36	*	2.20	*	9.67	*	3.69	*	2.57	*	6.55	*	52.73	*
5	2242	CRESCENT	0.77	*	0.02	*	1.28	*	2.43	*	5.64	*	2.80	*	3.68	*	1.19	*	6.02	*	3.88	*	2.75	*	4.12	*	34.58	*
5	2318	CUSHING	0.84	-0.20	0.00	-1.31	*	*	*	*	*	*	*	*	0.48	-3.24	*	*	*	*	4.43	1.75	2.44	0.43	4.50	3.19	*	*
5	2818	EL RENO	0.53	-0.30	*	*	1.87	0.02	3.99	1.41	5.25	0.08	2.82	-0.81	*	*	1.42	-0.88	4.53	0.92	4.05	1.17	2.79	1.15	4.47	3.44	*	*
5	3821	GUTHRIE	1.20	0.29	0.00	-1.26	1.77	-0.24	3.05	0.45	5.45	0.03	3.79	-0.17	1.57	-1.27	1.53	-0.85	*	*	3.79	1.13	*	*	6.65	5.45	*	*
5	4055	HENNESSEY	0.22	-0.49	0.03	-1.13	1.26	-0.60	1.07	-1.31	3.18	-2.14	*	*	3.01	0.50	0.95	-1.74	3.63	0.24	2.36	0.25	2.37	0.74	4.14	3.15	*	*
5	4489	INGALLS	1.61	*	0.04	*	0.76	*	3.00	*	6.38	*	2.14	*	0.40	*	0.91	*	*	*	4.61	*	2.63	*	4.85	*	*	*
5	4861	KINGFISHER	0.61	-0.22	0.10	-1.03	1.33	-0.43	1.76	-0.66	5.18	0.24	3.16	-0.60	3.09	0.52	2.42	0.03	5.71	2.11	2.56	0.12	2.35	0.82	4.34	3.21	32.61	4.11
5	4915	KONAWA	1.67	0.34	0.23	-1.42	2.39	-0.50	2.52	-1.60	6.63	0.53	5.82	2.10	2.78	0.25	2.81	0.35	10.10	5.98	4.01	0.42	3.77	1.63	6.33	4.47	49.06	12.55
5	5589	MARSHALL	0.52	-0.24	0.00	-1.16	1.10	-0.89	1.03	-1.35	4.16	-1.09	1.20	-2.80	2.65	0.06	1.69	-1.06	6.80	3.29	2.12	-0.48	2.40	0.77	3.86	2.72	27.53	-2.23
5	5779	MEEKER	1.97	0.90	0.13	-1.34	2.07	-0.36	2.17	-1.39	6.81	1.17	3.98	0.28	3.30	0.29	*	*	*	*	*	*	1.98	-0.07	5.39	3.96	*	*
5	6110	MULHALL	0.80	*	0.00	*	1.10	*	3.16	*	4.45	*	2.47	*	1.18	*	1.59	*	*	*	3.47	*	2.45	*	4.16	*	*	*
5	6386	NORMAN	1.74	0.61	0.20	-1.13	2.35	0.02	2.62	-0.68	7.73	1.84	9.29	5.67	1.39	-1.84	2.00	-0.56	10.12	6.39	3.05	0.42	3.00	0.96	5.74	4.39	49.24	16.09
5	6616	OILTON	0.96	*	0.00	*	1.02	*	3.20	*	5.34	*	3.08	*	1.04	*	1.97	*	4.50	*	6.18	*	1.77	*	5.61	*	34.67	*
5	6638	OKEMAH	1.82	0.44	0.00	-1.45	1.97	-0.73	3.05	-1.13	6.80	1.78	5.96	1.49	3.60	0.22	1.59	-1.01	9.36	5.56	3.76	0.89	2.64	0.20	5.64	3.81	46.20	10.07
5	6661	OKLAHOMA CTY	0.70	-0.26	0.03	-1.26	1.59	-0.48	2.10	-0.81	6.30	0.80	3.85	-0.02	1.98	-1.06	2.65	0.25	11.85	8.44	3.98	1.27	1.94	0.41	5.91	4.71	42.90	11.99
5	7003	PERKINS	0.82	-0.30	0.08	-1.18	1.08	-1.33	2.91	0.27	6.15	0.95	2.63	-1.54	*	*	0.58	-2.03	6.24	2.02	3.61	0.46	2.57	0.50	5.22	3.87	*	*
5	7068	PIEDMONT	0.81	*	0.02	*	1.79	*	4.16	*	6.17	*	2.82	*	*	*	2.90	*	5.87	*	3.38	*	2.27	*	4.39	*	*	*
5	7264	PRAGUE	*	*	0.34	-1.16	1.66	-0.85	2.67	-1.20	6.26	1.00	6.77	2.99	2.63	-0.58	2.55	0.04	*	*	4.00	1.13	2.13	-0.08	5.17	3.62	*	*
5	7327	PURCELL	1.56	0.49	0.60	-0.74	1.77	-0.60	2.58	-0.79	6.64	0.62	2.78	-0.81	2.23	-0.77	*	*	10.87	6.90	4.10	0.92	2.70	0.64	6.53	5.07	*	*
5	8042	SEMINOLE	2.32	1.02	0.08	-1.47	1.42	-1.16	3.53	-0.56	8.07	2.72	5.73	1.93	0.98	-1.97	4.92	2.04	8.31	4.29	4.92	2.07	2.41	-0.11	6.31	4.53	49.00	13.33
5	8110	SHAWNEE	1.30	0.08	0.24	-1.29	1.78	-0.73	2.53	-1.34	7.82	1.81	6.48	2.53	3.30	0.64	0.87	-2.03	7.87	4.13	3.75	0.55	3.06	0.72	5.28	3.75	44.28	8.82
5	8479	STELLA	1.33	*	0.39	*	3.18	*	2.12	*	6.12	*	4.12	*	2.44	*	1.53	*	10.32	*	3.73	*	2.80	*	5.87	*	43.95	*
5	8501	STILLWATER	0.98	0.08	0.06	-1.14	0.98	-1.21	3.13	0.55	7.04	1.96	4.00	0.08	0.45	-3.34	1.41	-1.42	5.70	1.77	4.26	1.36	2.72	0.94	5.10	3.88	35.84	3.51
5	8563	STROUD	1.20	*	0.05	*	1.62	*	3.23	*	5.81	*	4.74	*	0.85	*	1.10	*	6.24	*	6.04	*	2.77	*	5.30	*	38.97	*
5	8751	TECUMSEH	1.61	*	0.12	*	1.15	*	2.88	*	8.04	*	4.93	*	2.18	*	1.69	*	8.84	*	4.10	*	2.88	*	5.86	*	44.29	*
5	8960	TROUSDALE	1.13	*	0.06	*	*	*	2.68	*	5.81	*	3.70	*	2.04	*	2.30	*	9.53	*	2.90	*	3.14	*	7.34	*	*	*
5	9086	UNION CITY	0.64	-0.45	0.00	-1.41	2.36	-0.01	1.53	-1.80	6.27	0.37	3.57	-0.64	1.82	-0.32	2.23	-0.32	6.66	2.90	3.70	0.61	2.20	0.14	6.12	4.77	37.11	3.84
5	9479	WELTY	1.61	*	0.12	*	1.95	*	3.37	*	4.76	*	7.39	*	2.15	*	1.77	*	6.98	*	4.05	*	2.95	*	4.90	*	42.01	*
5	9575	WEWOKA	1.72	0.30	0.00	-1.68	1.40	-1.32	2.31	-1.46	7.44	2.11	6.29	2.08	2.31	-0.48	1.80	-1.05	9.08	4.96	6.93	3.95	4.00	1.77	7.13	5.35	50.41	14.53

1991 TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

CLIMATE DIVISION 6 (EAST CENTRAL)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL		
			PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP
6	364	ASHLAND	2.58	*	0.19	*	2.64	*	5.05	*	5.04	*	9.37	*	3.65	*	0.86	*	*	*	6.42	*	4.13	*	7.36	*	*	*	*
6	631	BEGGS	1.89	*	0.39	*	1.96	*	2.30	*	5.17	*	3.41	*	1.68	*	3.09	*	*	*	4.20	*	3.76	*	4.54	*	*	*	*
6	1027	BOYNTON	2.24	*	0.50	*	2.31	*	3.47	*	4.53	*	7.93	*	0.80	*	1.42	*	6.59	*	11.44	*	5.21	*	6.06	*	52.50	*	*
6	1391	CALVIN	1.65	0.26	0.20	-1.70	2.95	-0.43	2.66	-1.77	5.52	-0.30	4.69	0.16	3.89	0.34	0.48	-2.10	5.59	1.27	11.09	7.38	5.68	2.99	6.77	4.81	51.20	10.91	*
6	1711	CHECOTAH	2.44	0.95	0.24	-1.63	2.02	-1.32	4.39	-0.20	3.83	-1.55	4.33	0.28	2.88	-0.58	0.63	-2.07	6.07	1.61	10.38	6.94	4.07	1.23	5.76	3.65	47.06	7.31	*
6	1858	CLAYTON	2.72	*	0.23	*	4.13	*	6.71	*	3.90	*	2.51	*	*	*	*	*	*	*	10.45	*	2.87	*	*	*	*	*	*
6	2485	DEWAR	1.50	0.09	0.39	-1.42	1.86	-1.26	1.61	-2.67	5.23	0.12	5.71	1.64	2.65	-0.89	4.50	1.89	5.52	1.21	7.36	4.10	4.44	1.75	6.68	4.81	47.45	9.37	*
6	2690	DUSTIN	2.08	*	0.56	*	2.06	*	2.46	*	5.81	*	4.70	*	*	*	1.70	*	*	*	6.50	*	4.44	*	*	*	*	*	*
6	2993	EUFALA	2.58	1.05	0.79	-1.28	3.67	-0.30	6.16	1.48	*	*	3.93	-0.19	4.05	0.40	0.49	-2.24	11.62	7.42	*	*	*	*	*	*	*	*	*
6	3884	HANNA	2.12	0.65	0.27	-1.59	3.70	0.01	3.69	-0.75	4.19	-1.25	6.40	2.41	5.19	2.03	0.54	-2.28	6.05	1.89	9.39	6.12	6.79	3.85	7.06	4.96	55.39	16.05	*
6	3946	HARTSHORNE	1.98	*	0.31	*	3.81	*	5.28	*	3.64	*	3.44	*	5.60	*	2.48	*	4.51	*	8.80	*	3.82	*	6.65	*	50.33	*	*
6	3956	HASKELL	2.46	0.83	0.67	-1.25	1.54	-1.63	2.51	-1.60	2.80	-2.17	5.90	1.08	0.89	-2.29	1.29	-1.04	6.67	2.70	6.71	3.64	4.07	1.18	6.09	4.12	41.61	3.57	*
6	4235	HOLDENVILLE	*	*	0.00	-1.68	2.60	-0.38	2.57	-1.80	7.91	2.31	6.49	2.66	2.51	-0.95	0.81	-1.85	7.50	3.50	4.76	1.22	2.82	0.42	6.54	4.71	*	*	*
6	4975	LAKE EUFAULA	2.54	*	0.47	*	3.54	*	*	*	4.85	*	4.37	*	3.05	*	1.43	*	*	*	9.85	*	*	*	5.62	*	*	*	*
6	5437	LYONS	3.03	1.31	0.85	-1.10	4.10	0.16	7.13	2.40	6.32	1.01	1.81	-2.65	1.76	-1.46	4.38	1.51	5.53	1.27	7.87	4.79	6.70	3.75	5.05	3.05	54.54	14.04	*
6	5546	MARBLE CITY	3.09	*	1.00	*	4.08	*	6.75	*	6.65	*	2.06	*	0.66	*	3.78	*	9.52	*	10.13	*	7.45	*	5.57	*	60.76	*	*
6	5664	MCALESTER	1.80	0.18	0.28	-1.98	2.38	-1.47	*	*	2.46	-3.16	4.04	0.38	4.33	0.92	2.18	-1.07	5.45	0.49	10.05	6.15	3.81	0.74	4.76	2.38	*	*	*
6	5693	MCCURTAIN	2.39	0.51	0.31	-2.22	3.03	-0.88	5.93	1.16	3.80	-1.87	3.46	-0.82	2.44	-1.37	2.07	-0.94	3.68	-0.78	6.46	3.15	3.83	0.24	5.92	3.28	43.33	-0.54	*
6	6130	MUSKOGEE	2.44	0.81	1.35	-0.76	2.08	-1.16	4.87	0.29	4.04	-0.99	5.08	0.48	0.09	-3.01	1.50	-1.53	5.51	1.39	10.07	6.73	3.73	0.75	5.84	3.60	46.61	6.60	*
6	6670	OKMULGEE	2.50	0.87	0.30	-1.49	2.17	-0.86	2.44	-2.08	4.42	-0.66	4.20	-0.51	2.08	-0.97	3.16	0.53	7.32	3.52	4.34	1.45	4.65	2.02	*	*	*	*	*
6	6678	OKTAHA	2.21	*	0.62	*	2.09	*	3.91	*	4.57	*	5.83	*	1.75	*	2.89	*	5.25	*	8.38	*	6.06	*	5.31	*	48.87	*	*
6	7372	QUINTON	2.11	0.49	0.46	-1.64	2.85	-0.84	4.39	0.06	4.70	-0.87	3.40	-0.63	2.68	-1.12	2.07	-1.03	4.81	0.40	9.47	5.86	4.14	0.90	5.87	3.51	46.96	5.09	*
6	7862	SALLISAW	1.90	0.12	0.07	-2.41	4.03	0.23	*	*	*	*	6.02	1.69	2.15	-1.40	*	*	6.46	2.05	5.90	2.04	3.81	0.40	5.77	3.30	*	*	*
6	7979	SCIPIO	1.64	*	0.20	*	3.55	*	4.22	*	4.62	*	5.86	*	3.18	*	0.93	*	3.72	*	10.86	*	5.00	*	6.85	*	50.63	*	*
6	7993	SCRAPER	3.20	*	0.39	*	2.91	*	5.46	*	4.03	*	0.53	*	0.61	*	3.13	*	4.47	*	7.16	*	4.96	*	5.22	*	42.07	*	*
6	8170	SHORT	2.61	*	0.88	*	4.07	*	6.28	*	4.54	*	3.23	*	1.59	*	3.08	*	4.60	*	8.60	*	4.23	*	5.69	*	49.41	*	*
6	8506	STILWELL	2.99	1.03	0.91	-1.66	3.43	-0.27	5.27	0.56	6.15	0.52	3.03	-1.46	1.36	-2.37	4.24	0.89	4.32	0.01	7.60	4.32	5.98	2.73	4.66	1.95	49.95	6.25	*
6	8677	TAHLEQUAH	2.79	1.01	0.90	-1.52	2.87	-0.77	5.75	1.19	3.46	-2.01	0.90	-3.73	0.43	-2.96	4.68	1.62	6.65	2.31	8.39	5.00	6.22	3.02	5.10	2.64	48.15	5.80	*
6	9445	WEBBERS FALL	2.58	0.95	0.70	-1.61	3.54	-0.05	5.88	1.28	5.22	-0.09	3.49	-0.60	*	*	1.68	-1.20	5.45	1.11	10.37	6.62	5.36	2.37	5.27	2.98	*	*	*
6	9523	WESTVILLE	2.67	*	0.76	*	3.34	*	5.46	*	4.83	*	1.73	*	1.70	*	4.01	*	5.97	*	7.61	*	8.36	*	4.60	*	51.05	*	*
6	9571	WETUMKA	2.66	1.24	0.26	-1.34	2.65	-0.47	2.15	-2.22	7.21	1.78	8.56	4.24	3.25	0.06	3.05	0.63	6.60	2.58	6.17	3.04	4.14	1.37	6.28	4.39	53.00	15.30	*

CLIMATE DIVISION 7 (SOUTHWEST)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL		
			PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP
7	179	ALTUS	1.39	0.61	0.01	-0.91	1.59	0.31	3.31	1.28	8.81	4.16	11.04	8.10	1.74	-0.18	1.98	-0.26	4.59	1.74	2.73	0.18	1.18	0.16	4.07	3.20	42.44	18.39	*
7	184	ALTUS DAM	1.35	0.73	0.00	-0.94	1.62	0.32	1.54	-0.44	8.24	3.46	7.43	3.95	0.50	-2.10	3.02	0.89	3.87	1.13	2.21	-0.49	1.06	0.04	4.55	3.70	35.39	10.25	*
7	260	APACHE	1.69	*	0.00	*	3.34	*	2.42	*	7.41	*	4.24	*	2.25	*	3.63	*	10.01	*	3.05	*	1.78	*	5.81	*	45.63	*	*
7	447	ALTUS AFB	*	*	0.00	*	1.80	*	2.90	*	5.58	*	*	*	*	*	*	*	*	*	2.77	*	1.32	*	*	*	*	*	*
7	1504	CARNEGIE	0.79	0.01	0.00	-1.15	*	*	1.90	-0.52	*	*	*	*	*	*	4.16	2.03	4.19	0.83	2.36	0.17	1.09	-0.23	3.51	2.45	*	*	*
7	1706	CHATTANOOGA	1.71	0.80	0.00	-1.13	*	*	2.32	-0.16	*	*	4.55	1.75	6.33	3.78	3.32	0.71	9.75	6.68	3.13	0.36	0.99	-0.38	5.83	4.75	*	*	*
7	2668	DUNCAN 12 W	2.01	*	0.00	*	2.68	*	1.67	*	6.39	*	4.43	*	6.53	*	3.27	*	9.12	*	3.18	*	1.14	*	5.98	*	46.41	*	*
7	3353	FREDERICK	1.84	0.99	0.00	-1.02	0.56	-1.14	1.39	-0.93	6.59	1.85	*	*	4.66	2.47	3.42	0.96	5.46	2.46	3.40	0.94	0.69	-0.72	5.01	3.99	*	*	*
7	3709	GRANDFIELD	2.17	1.09	0.00	-1.18	0.94	-0.83	0.89	-1.53	5.65	0.71	4.22	1.04	*	*	3.86	1.47	8.78	5.33	3.45	0.61	0.84	-0.71	4.21	2.96	*	*	*
7	4204	HOBART	0.74	0.13	0.00	-0.91	2.16	0.89	1.19	-1.05	4.80	-0.18	*	*	*	*	2.35	0.47	5.07	2.20	2.62	0.10	1.59	0.51	*	*	*	*	*
7	5063	LAWTON	2.07	1.00	0.01	-1.16	1.23	-0.60	2.26	-0.15	*	*	*	*	4.08	1.57	*	*	9.66	6.68	3.34	0.49	1.20	-0.55	5.83	4.61	*	*	*
7	5068	FORT SILL	1.45	0.38	0.00	-1.17	1.81	-0.02	2.45	0.04	6.93	1.24	3.01	-0.56	2.82	0.31	4.21	2.06	9.27	6.29	3.91	1.06	0.87	-0.88	5.09	3.86	41.82	12.61	*
7	5329	LOOKEBA	0.68	*	0.00	*	2.38	*	1.92	*	5.27	*	6.19	*	*	*	5.41	*	4.36	*	2.78	*	1.29	*	4.70	*	*	*	*
7	5509	MANGUM	1.31	0.68	0.00	-0.86	0.94	-0.24	0.96	-0.93	6.96	2.24	8.13	5.28	1.15	-1.54	2.49	0.44	2.89	0.11	2.21	-0.41	1.34	0.43	3.84	3.08	32.22	8.28	*
7	7403	RANDLETT	0.63	*	0.00	*	0.94	*	1.79	*	4.54	*	3.38	*	4.81	*	3.34	*	8.34	*	3.73	*	0.83	*	7.10	*	39.44	*	*
7	7727	ROOSEVELT	0.81	0.13	0.00	-0.96	2.15	0.83	1.03	-1.22	6.25	1.00	7.63	4.34	1.04	-1.33	3.05	0.91	3.75	0.97	2.38	-0.10	1.40	0.16	4.41	3.44	33.90	8.17	*
7	8016	SEDAN	0.98	*	0.00	*	2.53	*	1.29	*	6.27	*	7.60	*	1.27	*	4.34	*	3.04	*	2.14	*	0.79	*	3.90	*	34.15	*	*
7	8299	SNYDER	*	*	*	*	*	*	*	5.29	0.29	11.20	8.32	2.14	-0.33	3.50	1.29	4.48	1.67	1.98	-0.38	1.37	0.14	5.28	4.26	*	*	*	
7	9212	VINSON																											

1991 TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

CLIMATE DIVISION 8 (SOUTH CENTRAL)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
			PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP
8	17	ADA	1.92	0.56	0.67	-1.21	2.09	-0.81	1.64	-2.13	7.39	1.76	5.42	1.69	4.52	1.83	1.45	-1.64	7.67	3.66	4.69	0.77	3.53	0.98	6.60	4.66	47.59	10.12
8	147	ALLEN	*	*	0.00	*	1.80	*	*	*	*	*	12.35	*	*	*	1.15	*	6.10	*	9.40	*	3.50	*	8.75	*	*	*
8	292	ARDMORE	2.40	1.05	0.22	-1.44	3.84	0.89	1.41	-2.46	3.96	-0.68	4.50	1.23	*	*	0.82	-1.71	*	*	8.26	4.86	1.69	-0.55	*	*	*	*
8	394	ATOKA DAM	2.63	*	0.35	*	5.13	*	5.38	*	5.96	*	7.23	*	3.79	*	1.92	*	*	*	*	*	*	*	*	*	*	*
8	917	BOKCHITO	3.35	*	0.95	*	3.75	*	*	*	7.36	*	7.77	*	*	*	1.32	*	2.49	*	11.46	*	3.08	*	7.11	*	*	*
8	1437	CANEY	*	*	0.31	*	3.84	*	7.97	*	5.13	*	10.57	*	3.54	*	3.05	*	2.10	*	6.71	*	2.00	*	*	*	*	*
8	1648	CENTRAHOMA	3.25	*	0.30	*	3.00	*	3.10	*	*	*	10.50	*	5.50	*	0.50	*	5.85	*	*	*	4.05	*	6.80	*	*	*
8	1745	CHICKASAW NR	2.48	*	0.31	*	2.41	*	4.68	*	4.36	*	9.58	*	8.23	*	1.11	*	8.12	*	4.88	*	3.46	*	6.26	*	55.88	*
8	2011	COLEMAN	3.32	*	0.15	*	*	*	4.11	*	6.37	*	10.95	*	1.51	*	1.05	*	5.75	*	6.87	*	1.57	*	7.64	*	*	*
8	2054	COMANCHE	2.26	*	0.16	*	1.07	*	2.85	*	6.02	*	4.60	*	8.11	*	2.35	*	8.16	*	3.85	*	1.74	*	6.61	*	47.78	*
8	2354	DAISY	2.84	0.88	0.19	-2.50	5.62	1.78	6.87	1.44	4.35	-1.95	5.90	1.42	2.11	-2.21	3.88	0.37	3.70	-2.00	9.95	6.14	3.80	0.44	8.52	5.86	57.74	9.67
8	2660	DUNCAN	2.34	1.36	0.06	-1.15	1.65	-0.49	1.75	-0.96	6.01	0.39	5.67	2.21	7.02	4.69	3.04	0.69	11.07	7.42	4.22	1.27	1.52	-0.38	*	*	*	*
8	2678	DURANT	2.61	0.87	0.98	-1.27	2.74	-0.53	5.20	0.66	5.19	0.19	12.52	8.80	1.79	-0.75	2.00	-0.47	3.67	-1.94	9.03	5.56	2.79	-0.01	8.14	5.96	56.66	17.07
8	2872	ELMORE CITY	2.51	*	0.00	*	1.13	*	2.67	*	4.61	*	3.78	*	4.19	*	1.12	*	*	*	3.30	*	2.17	*	6.86	*	*	*
8	3083	FARRIS	2.89	*	0.91	*	2.29	*	8.49	*	6.07	*	5.87	*	2.07	*	1.89	*	2.60	*	10.55	*	2.83	*	7.59	*	54.05	*
8	3688	GRADY	2.56	*	1.25	*	3.63	*	4.71	*	4.02	*	3.86	*	1.56	*	*	*	5.67	*	4.34	*	2.47	*	5.98	*	*	*
8	4001	HEALDTON	2.47	1.13	1.43	0.08	3.25	0.79	2.15	-1.30	4.01	-0.84	3.07	-0.64	5.22	2.85	*	*	5.86	1.77	3.12	0.00	2.96	0.92	5.85	4.24	*	*
8	4052	HENNEPIN	*	*	*	*	0.85	*	*	*	4.19	*	5.02	*	*	*	1.85	*	12.06	*	3.31	*	2.39	*	6.21	*	*	*
8	4780	KETCHUM RNCH	2.04	*	0.08	*	1.32	*	2.87	*	7.74	*	5.94	*	5.10	*	2.86	*	9.63	*	4.78	*	3.07	*	7.44	*	52.87	*
8	4865	KINGSTON	3.56	1.85	0.75	-1.51	2.82	-0.34	3.90	-0.20	3.68	-1.36	14.81	11.19	2.10	-0.23	2.21	-0.28	3.37	-1.30	7.27	3.63	*	*	7.37	5.36	*	*
8	5108	LEHIGH	2.46	*	0.25	*	4.60	*	4.94	*	4.40	*	11.36	*	6.10	*	2.01	*	3.92	*	9.99	*	2.52	*	8.41	*	60.97	*
8	5216	LINDSAY	1.64	0.51	0.20	-1.22	*	*	*	*	7.59	1.31	*	*	*	*	9.49	5.69	3.50	0.43	2.90	0.82	5.88	4.41	*	*	*	*
8	5247	LOCO	*	*	0.81	*	1.34	*	2.27	*	4.71	*	2.66	*	8.03	*	3.62	*	6.32	*	3.08	*	*	*	5.60	*	*	*
8	5468	MADILL	3.23	1.54	0.73	-1.39	3.09	0.08	2.09	-2.42	3.88	-1.22	16.96	13.11	3.55	1.27	5.75	3.32	4.34	-0.26	5.63	2.06	1.90	-0.56	5.97	4.00	57.12	19.53
8	5563	MARIETTA	2.67	1.19	1.11	-0.66	3.76	1.01	2.04	-1.76	4.07	-0.48	6.95	3.32	1.02	-1.12	2.55	-0.03	8.47	4.48	7.87	4.84	2.49	0.03	7.68	5.98	50.68	16.80
8	5581	MARLOW	1.69	0.79	0.01	-1.19	4.41	2.41	2.07	-0.61	6.42	0.41	4.89	1.07	4.45	1.88	4.21	1.79	9.39	5.73	3.54	0.59	1.67	-0.28	5.63	4.27	48.39	16.86
8	5713	MCGEE CRK DA	2.84	*	*	*	4.67	*	8.53	*	6.83	*	6.53	*	1.24	*	1.49	*	3.06	*	7.75	*	3.20	*	7.26	*	*	*
8	6926	PAULS VALLEY	2.72	1.41	0.28	-1.21	1.52	-0.78	2.59	-0.91	6.37	0.91	3.76	0.39	2.84	0.51	1.05	-1.27	8.95	5.27	3.25	-0.32	2.81	0.64	6.67	4.96	42.81	9.60
8	7214	POTOTOC	2.30	0.97	0.34	-1.59	3.65	0.36	*	*	5.29	-0.44	11.99	8.44	5.62	3.03	1.25	-1.46	*	*	9.07	5.29	2.68	-0.21	7.22	5.35	*	*
8	8884	TISHOMINGO	3.47	1.94	0.61	-1.44	4.01	0.84	3.69	-0.92	2.91	-1.97	15.10	11.64	*	*	*	*	5.26	0.39	7.25	3.62	2.76	0.27	8.18	6.10	*	*
8	9032	TUSSY	2.14	*	0.62	*	0.92	*	1.96	*	4.38	*	6.40	*	7.44	*	1.43	*	8.80	*	3.31	*	1.85	*	6.57	*	45.82	*
8	9395	WAURIKA	2.45	1.32	0.62	-0.68	0.82	-1.12	2.97	0.01	3.90	-0.95	3.43	0.18	4.66	2.38	3.26	0.71	6.47	3.07	2.69	0.00	1.52	-0.41	5.52	4.04	38.32	8.55

CLIMATE DIVISION 9 (SOUTHEAST)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
			PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP	PCP	DEP
9	256	ANTLERS	2.51	0.31	0.90	-1.85	4.56	0.99	11.08	5.97	5.51	-0.43	8.47	4.50	3.08	-0.09	4.18	0.95	1.32	-3.95	15.53	11.62	2.49	-0.69	6.29	3.27	65.92	20.60
9	567	BATTIEST	*	*	*	*	6.19	*	14.23	*	*	*	2.75	*	4.27	*	4.31	*	5.64	*	10.22	*	4.72	*	8.42	*	*	*
9	670	BENGAL	2.95	*	0.35	*	4.45	*	8.31	*	4.75	*	4.29	*	3.66	*	3.50	*	4.75	*	12.21	*	4.69	*	5.72	*	59.64	*
9	980	BOSWELL	3.10	1.00	0.99	-1.79	2.87	-0.45	9.35	4.78	4.98	0.03	7.41	3.79	4.75	2.10	1.65	-1.03	2.98	-1.93	14.01	10.31	2.64	-0.38	7.67	5.03	62.41	21.46
9	1162	BROKEN BOW	3.30	0.27	2.38	-0.91	2.48	-1.99	11.51	6.18	6.66	0.97	2.25	-1.56	3.21	-0.66	2.89	-0.07	2.23	-2.49	12.95	9.12	7.43	3.41	8.11	4.29	65.40	16.56
9	1168	BRKEN BOW DA	3.85	*	2.01	*	2.77	*	11.76	*	5.77	*	1.69	*	1.83	*	3.36	*	3.06	*	13.78	*	7.03	*	9.07	*	65.98	*
9	1499	CARNASAW TWR	3.53	0.36	2.08	-1.25	2.49	-2.16	10.48	5.00	*	*	3.69	-0.34	4.31	0.17	4.13	1.03	2.73	-2.26	12.23	8.09	6.08	1.80	7.89	3.99	*	*
9	1544	CARTER TWR	4.09	1.40	*	*	2.74	-1.83	7.08	1.82	9.59	3.65	1.19	-2.66	2.62	-1.77	6.96	3.29	2.58	-2.38	*	*	4.28	0.46	7.01	3.10	*	*
9	3065	FANSHAW	3.19	1.31	0.51	-2.28	3.49	-0.93	6.23	1.23	5.52	-0.39	1.62	-2.59	2.38	-1.65	2.36	-0.71	4.90	0.22	13.04	9.96	4.04	0.09	5.91	2.97	53.19	7.23
9	3169	FLAGPOLE TWR	2.96	*	0.24	*	5.14	*	6.68	*	4.27	*	6.18	*	3.97	*	2.22	*	2.07	*	11.96	*	3.09	*	6.37	*	55.15	*
9	4008	HEAVENER	2.77	0.52	0.72	-2.00	2.66	-1.49	9.09	4.16	4.44	-1.08	5.23	1.23	2.28	-1.28	1.98	-1.37	6.17	1.65	9.74	6.44	3.44	-0.25	6.09	2.87	54.62	9.40
9	4017	HEE MT TWR	4.18	*	1.84	*	4.62	*	12.02	*	6.80	*	*	*	4.24	*	3.74	*	3.75	*	8.94	*	5.33	*	6.54	*	*	*
9	4384	HUGO	3.68	1.46	2.61	-0.16	4.40	0.60	8.25	3.53	6.53	0.87	5.37	0.85	4.58	1.53	4.12	0.68	1.23	-3.92	11.21	7.27	5.31	2.05	7.42	4.34	64.72	19.10
9	4451	IDABEL	*	*	*	*	*	*	13.59	8.19	5.01	-0.66	*	*	1.69	-1.86	*	*	1.93	-2.60	8.82	4.98	6.16	2.33	8.41	4.94	*	*
9	7254	POTEAU	2.81	*	*	*	3.53	*	*	*	3.52	*	3.03	*	3.25	*	3.06	*	*	*	12.04	*	3.95	*	5.06	*	*	*
9	8285	SMITHVILLE	3.70	*	1.54	*	6.23	*	11.97	*	6.96	*	3.75	*	8.98	*	3.43	*	*	*	7.94	*	4.05	*	8.74	*	*	*
9	8416	SPIRO	2.56	0.74	0.59	-2.11	3.68	-0.46	6.07	1.45	4.75	-0.61	3.81	0.26	2.26	-1.53	2.87	0.27	3.98	-0.05	8.72	5.41	5.06	1.21	5.58	2.79	49.93	7.37
9	9023	TUSKAHOMA	3.02	*	0.56	*	7.15	*	8.41	*	4.68	*	3.92	*	4.80	*	1.54	*	4.91	*	16.96	*	5.32	*	5.76	*	67.04	*
9	9118	VALLANT	3.43	0.91	2.79	-0.48	2.78	-1.43	10.08	5.08	8.82	3.32	2.10	-1.60	3.44	-0.14	3.17	0.41	2.67	-2.31	10.98	7.36	5.01	1.41	8.53	4.93	63.80	17.46
9	9634	WILBURTON	2.31	0.40	1.10	-1.52	3.70																					

1991 AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (FAHRENHEIT)

CLIMATE DIVISION 1 (NORTHWEST)

CD	ID STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL		
		TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	
1	332 ARNETT	29.4	-3.9	45.6	7.4	49.1	3.7	57.9	0.5	67.8	1.5	75.1	-0.6	78.8	-2.0	76.9	-2.4	66.4	-4.5	58.7	-1.1	38.9	-6.8	38.2	1.0	56.9	-0.5	
1	593 BEAVER	28.6	-4.2	43.8	5.7	47.8	2.5	58.0	0.9	68.7	2.4	77.1	0.9	80.0	-1.5	79.0	-0.6	69.7	-1.2	58.8	-0.4	37.3	-7.3	36.8	0.6	57.1	-0.1	
1	908 BOISE CITY	31.5	-2.6	42.2	3.9	46.0	1.9	54.7	0.3	66.3	3.1	73.1	-0.4	*	*	75.0	-0.7	66.4	-1.7	57.0	-0.4	41.0	-2.9	36.7	-0.1	*	*	
1	1243 BUFFALO	33.0	-1.7	48.3	7.9	52.9	4.9	61.8	2.1	72.7	4.2	80.7	2.3	85.0	1.6	81.1	-0.7	72.7	-0.5	62.0	-0.1	41.6	-5.4	41.0	2.5	61.1	1.3	
1	3407 GAGE	32.8	-0.5	48.1	9.8	52.4	6.5	60.6	3.1	70.7	4.2	77.5	0.9	81.4	-0.1	78.6	-1.5	70.1	-1.2	60.5	0.8	41.5	-3.8	39.8	3.0	59.5	1.7	
1	3489 GATE	30.1	*	*	*	50.1	*	59.6	*	70.7	*	77.6	*	83.1	*	79.1	*	70.1	*	60.6	*	38.9	*	39.9	*	*	*	*
1	3628 GOODWELL	29.8	-3.7	44.4	5.8	46.9	2.1	55.7	-0.3	66.6	1.9	73.5	-1.1	78.3	-1.1	76.9	-0.5	67.8	-1.7	57.8	-0.6	38.4	-5.9	35.9	-0.8	56.0	-0.4	
1	4298 HOOKER	29.4	-3.8	44.0	5.6	47.3	2.1	56.0	-0.3	66.5	1.1	74.4	-1.2	78.2	-2.1	77.4	-0.8	68.4	-1.5	57.7	-1.1	37.6	-6.5	36.5	0.1	56.1	-0.6	
1	4766 KENTON	30.5	-3.9	41.3	2.7	45.7	1.7	53.8	-0.6	64.6	1.1	72.9	-0.8	75.4	-3.2	73.9	-2.6	64.7	-4.2	*	*	*	*	*	*	*	*	*
1	6740 OPTIMA LAKE	29.8	*	*	*	*	*	57.6	*	69.1	*	74.9	*	78.6	*	78.0	*	68.8	*	58.9	*	38.2	*	36.9	*	*	*	*
1	9017 TURPIN	29.0	*	*	*	*	*	*	*	68.0	*	76.6	*	79.9	*	78.1	*	69.0	*	57.5	*	37.2	*	36.3	*	*	*	*

CLIMATE DIVISION 2 (NORTH CENTRAL)

CD	ID STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
		TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP
2	193 ALVA	32.9	*	48.8	*	52.3	*	62.1	*	72.6	*	80.3	*	85.9	*	81.4	*	72.0	*	62.5	*	41.5	*	40.4	*	61.1	*
2	755 BILLINGS	30.5	*	45.8	*	50.3	*	60.8	*	71.8	*	78.9	*	81.9	*	81.3	*	70.9	*	62.3	*	43.2	*	41.6	*	59.9	*
2	818 BLACKWELL	31.4	*	45.9	*	52.0	*	60.1	*	71.2	*	78.7	*	83.5	*	81.3	*	71.5	*	63.2	*	42.8	*	41.5	*	60.3	*
2	1724 CHEROKEE	31.2	-3.3	48.2	8.3	53.1	4.9	62.5	2.7	73.0	4.3	80.8	1.9	85.4	1.7	81.9	-0.3	72.3	-1.2	63.8	1.6	42.8	-4.5	41.5	3.2	61.4	1.4
2	2912 ENID	32.3	-3.1	48.0	7.3	51.4	2.3	61.3	0.8	71.7	2.7	78.9	0.4	82.7	-0.8	81.8	-0.3	70.4	-3.4	63.1	0.2	43.0	-5.5	41.6	2.3	60.5	0.3
2	3304 FT SUPPLY DA	28.7	-5.9	*	*	49.2	1.7	58.9	-0.1	68.5	1.0	76.1	-0.8	81.5	-0.3	79.1	-1.3	69.4	-2.8	59.8	-1.5	39.1	-8.0	38.7	0.6	*	*
2	3358 FREEDOM	30.8	*	46.3	*	51.9	*	61.6	*	71.5	*	78.6	*	83.3	*	79.6	*	70.1	*	61.0	*	40.7	*	39.3	*	59.6	*
2	3740 GRT SLT PLNS	30.3	*	48.1	*	53.3	*	61.9	*	73.0	*	80.1	*	83.8	*	81.8	*	70.8	*	62.0	*	40.5	*	40.3	*	60.5	*
2	4019 HELENA	29.2	*	45.0	*	48.6	*	59.5	*	70.5	*	78.6	*	82.5	*	80.4	*	70.2	*	61.0	*	40.2	*	40.0	*	58.8	*
2	4573 JEFFERSON	31.3	-3.1	47.1	7.5	52.9	4.8	61.6	2.0	72.2	3.5	79.8	1.1	84.4	0.8	81.3	-0.8	71.5	-2.1	62.5	0.1	42.4	-5.4	40.9	2.6	60.7	0.8
2	6139 MUTUAL	30.4	-3.7	46.3	7.0	50.0	3.2	59.5	1.3	*	*	76.9	-0.3	82.5	-0.1	79.6	-1.4	68.3	-4.0	59.6	-1.3	39.1	-7.5	39.5	1.7	*	*
2	6278 NEWKIRK	31.6	-1.8	48.0	9.1	53.3	5.8	60.9	1.4	71.2	3.0	77.8	0.3	81.9	-0.6	*	*	71.2	-1.6	63.0	1.1	42.5	-4.9	41.2	3.6	*	*
2	7012 PERRY	33.1	-3.2	50.1	8.6	55.9	6.0	63.7	2.2	*	*	79.9	1.8	85.0	1.8	82.6	0.5	72.0	-2.2	65.4	1.9	46.6	-3.0	43.6	3.2	*	*
2	7201 PONCA CITY	33.3	0.9	47.8	10.1	53.3	6.8	*	*	72.8	5.1	79.3	2.1	84.3	1.8	82.3	1.4	73.1	0.8	64.2	3.3	44.2	-2.4	43.7	7.0	*	*
2	9404 WAYNOKA	31.2	-4.0	47.9	7.3	52.0	3.2	61.9	1.6	70.3	1.2	78.3	-0.2	83.3	-0.2	79.1	-3.0	70.7	-2.7	61.4	-0.8	41.3	-6.6	41.1	2.5	59.9	-0.2

CLIMATE DIVISION 3 (NORTHEAST)

CD	ID STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
		TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP
3	535 BARNSDALL	30.4	*	46.0	*	53.7	*	61.7	*	71.5	*	77.1	*	82.2	*	80.4	*	70.3	*	62.3	*	44.4	*	41.9	*	60.2	*
3	548 BARTLESVILLE	32.5	-2.1	46.7	6.4	54.1	5.3	62.0	1.2	72.4	3.7	79.2	2.2	82.3	0.3	80.3	-0.3	71.1	-1.7	62.8	1.2	44.5	-3.8	42.2	3.2	60.8	1.3
3	782 BIXBY	32.3	-3.1	44.4	3.7	51.7	2.9	60.5	-0.1	71.0	2.4	78.0	1.1	81.4	-0.4	78.6	-1.7	69.9	-2.8	61.9	0.2	43.9	-4.8	43.5	3.2	59.8	0.1
3	1828 CLAREMORE	32.0	-2.5	43.5	3.7	51.3	3.2	60.4	0.5	71.5	3.6	77.8	1.4	81.0	-0.6	79.8	-0.5	70.6	-2.1	61.9	0.5	43.8	-4.6	42.3	3.3	59.7	0.5
3	4567 JAY TOWER	35.2	*	44.7	*	51.2	*	*	*	*	*	77.4	*	*	*	79.2	*	68.9	*	*	*	43.2	*	42.7	*	*	*
3	4672 KANSAS	34.1	*	45.6	*	53.3	*	60.8	*	70.9	*	76.6	*	81.4	*	78.4	*	69.1	*	*	*	45.3	*	44.2	*	*	*
3	4812 KEYSTONE DAM	*	*	*	*	*	*	*	*	*	*	75.5	*	82.2	*	80.6	*	69.5	*	62.6	*	44.1	*	*	*	*	*
3	5522 MANNFORD	33.8	*	48.9	*	56.0	*	63.5	*	72.0	*	77.9	*	84.0	*	81.7	*	70.7	*	64.2	*	45.5	*	43.0	*	61.8	*
3	5855 MIAMI	*	*	*	*	51.0	2.8	59.9	-0.2	*	*	77.1	0.9	80.0	-1.1	79.9	0.0	69.6	-3.0	60.5	-0.9	42.1	-6.3	42.4	3.2	*	*
3	6485 NOWATA	31.8	-2.9	*	*	53.1	4.7	61.5	1.6	71.6	3.4	78.1	1.6	82.5	0.4	81.5	0.7	*	*	63.8	2.0	45.4	-3.2	39.6	0.6	*	*
3	6935 PAWHUSKA	31.7	-2.8	46.5	6.5	53.6	5.0	61.7	1.2	71.4	3.2	76.6	0.0	81.7	-0.1	79.9	-0.6	70.2	-2.4	62.9	1.4	44.4	-3.6	41.9	3.2	60.2	0.9
3	7309 PRYOR	31.2	-3.7	42.4	2.4	50.7	2.2	59.4	-0.6	*	*	76.9	0.5	80.4	-1.2	78.7	-1.6	69.1	-3.5	60.1	-1.3	*	*	41.6	2.2	*	*
3	7390 RALSTON	33.5	*	48.5	*	55.3	*	62.5	*	73.1	*	78.8	*	83.9	*	82.2	*	72.1	*	64.4	*	45.5	*	43.2	*	61.9	*
3	8380 SPAVINAW	35.0	*	47.2	*	55.2	*	62.9	*	73.2	*	79.0	*	83.4	*	81.2	*	71.7	*	64.4	*	47.4	*	45.8	*	62.2	*
3	8992 TULSA	35.7	0.5	49.6	8.9	56.4	7.1	64.2	3.3	74.0	4.9	80.5	2.8	85.0	1.8	83.2	1.5	73.3	-0.5	65.2	2.6	46.9	-2.3	45.3	5.5	63.3	2.8
3	9101 UPFR SPAVINAW	*	*	47.8	*	56.6	*	*	*	76.1	*	79.6	*	81.1	*	80.2	*	69.9	*	62.2	*	*	*	*	*	*	*
3	9203 VINITA	31.2	-3.3	*	*	52.8	4.7	60.5	0.8	71.3	3.7	78.0	2.0	*	*	80.1	0.3	*	*	62.1	0.9	44.8	-3.1	43.0	4.1	*	*
3	9247 WAGONER	35.6	-1.3	47.9	5.7	54.0	3.5	63.1	1.5	73.0	3.8	78.2	1.0	82.3	-0.1	80.8	-0.3	71.3	-2.6	63.6	0.5	46.8	-3.3	44.5	3.1	61.8	0.9

1991 AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (FAHRENHEIT)

CLIMATE DIVISION 4 (WEST CENTRAL)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
			TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP
4	1445	CANTON DAM	*	*	*	*	50.4	1.3	59.8	-0.3	69.6	1.1	76.8	-0.9	82.5	-0.4	79.8	-1.8	69.0	-4.4	*	*	*	*	*	*	*	*
4	1909	CLINTON	34.8	-1.6	49.9	8.5	55.0	5.5	64.0	3.4	73.1	4.1	80.0	1.6	84.6	1.3	80.7	-1.3	71.3	-2.3	63.3	1.1	45.1	-3.4	42.3	2.4	62.0	1.5
4	2849	ELK CITY	34.0	*	49.2	*	*	*	63.0	*	70.4	*	*	*	81.9	*	*	*	69.5	*	*	*	43.7	*	*	*	*	*
4	2944	ERICK	34.1	-2.9	48.0	6.0	52.9	3.4	61.8	1.4	71.1	2.6	76.8	-0.9	81.5	-0.4	77.9	-2.7	69.7	-3.4	60.8	-1.0	44.3	-4.1	41.9	1.6	60.1	-0.0
4	3497	GEARY	33.1	-3.2	*	*	52.5	3.2	*	*	*	*	76.3	-1.5	*	*	80.3	-1.6	*	*	61.5	-1.1	43.2	-5.6	*	*	*	*
4	3871	HAMMON	30.8	-4.9	45.6	4.7	49.9	1.0	59.0	-1.3	69.6	1.3	76.1	-2.0	81.6	-1.4	78.3	-2.8	67.9	-4.6	60.6	-0.7	40.2	-7.3	39.9	0.9	58.3	-1.3
4	6629	OKEENE	32.6	-3.8	48.9	7.3	53.3	3.4	61.7	0.7	71.9	2.4	78.6	-0.4	83.7	-0.2	80.3	-2.2	70.6	-3.7	63.0	-0.4	43.4	-5.7	41.9	1.6	60.8	-0.1
4	7579	REYDON	33.8	*	48.9	*	53.5	*	61.5	*	70.6	*	76.4	*	*	*	*	*	70.2	*	*	*	45.3	*	41.7	*	*	*
4	8708	TALOGA	32.7	-2.4	47.6	7.5	52.0	3.7	61.6	2.3	70.9	3.0	77.8	0.3	82.3	0.1	78.6	-2.1	*	*	59.8	-1.2	41.6	-5.4	41.0	2.3	*	*
4	9364	WATONGA	35.4	*	49.0	*	53.8	*	62.3	*	72.0	*	78.8	*	83.4	*	80.8	*	72.3	*	65.0	*	43.5	*	43.3	*	61.6	*
4	9422	WEATHERFORD	32.6	-4.0	48.8	7.1	52.5	2.6	*	*	71.6	2.3	78.7	0.4	83.2	0.2	80.7	-0.9	69.5	-4.2	61.9	-0.8	42.0	-6.9	42.0	1.8	*	*

CLIMATE DIVISION 5 (CENTRAL)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
			TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP
5	830	BLANCHARD	35.2	*	*	*	55.5	*	63.1	*	72.3	*	77.3	*	81.2	*	80.4	*	70.7	*	64.4	*	46.8	*	45.0	*	*	*
5	1144	BRISTOW	34.4	-2.3	48.3	5.8	55.2	4.7	62.4	0.5	71.8	2.7	77.3	0.1	*	*	79.6	-1.6	70.6	-3.1	63.9	0.6	46.0	-3.7	44.0	3.2	*	*
5	1750	CHICKASHA	34.5	-3.3	48.6	5.5	55.0	3.4	62.6	0.3	72.4	2.2	78.5	-0.3	82.1	-0.9	80.2	-1.0	70.9	-3.0	62.9	-0.3	45.0	-5.0	44.0	2.4	61.4	0.1
5	2318	CUSHING	32.1	-2.7	47.4	7.4	*	*	61.0	0.6	*	*	*	*	*	*	80.5	-0.9	70.8	-2.8	63.0	0.6	43.1	-5.8	42.9	3.4	*	*
5	2818	EL RENO	33.7	-2.5	*	*	54.3	4.8	62.3	1.8	71.9	3.2	78.0	0.6	*	*	*	*	70.6	-2.8	63.2	0.8	44.6	-3.9	43.3	3.2	*	*
5	3821	GUTHRIE	35.2	-1.0	50.4	9.1	56.2	6.4	64.4	3.2	74.0	4.7	79.7	1.8	85.2	2.1	83.4	1.3	72.7	-1.4	65.4	2.4	47.1	-2.2	44.9	4.9	63.2	2.4
5	4055	HENNESSEY	32.6	-2.9	47.7	7.1	52.2	3.3	61.9	1.7	72.0	2.8	*	*	*	*	82.3	0.0	71.0	-2.9	62.7	-0.1	43.4	-5.1	42.0	2.7	*	*
5	4861	KINGFISHER	33.2	-2.8	48.0	6.8	54.2	4.6	62.6	1.8	72.0	2.6	78.7	0.1	82.4	-1.3	81.0	-1.4	70.7	-3.5	62.7	-0.2	43.8	-5.1	42.3	2.4	61.0	0.4
5	5779	MEEKER	34.3	-2.2	48.4	6.5	54.8	4.7	61.9	0.6	71.1	2.1	77.0	-0.2	80.6	-1.7	*	*	71.1	-2.6	*	*	45.9	-3.4	44.1	3.3	*	*
5	6386	NORMAN	36.7	*	49.3	*	55.6	*	63.6	*	72.3	*	78.6	*	83.1	*	81.4	*	71.7	*	64.3	*	45.9	*	44.6	*	62.3	*
5	6638	OKEMAH	35.3	-2.6	49.1	6.0	55.7	4.6	63.5	1.7	73.2	4.1	78.7	1.6	82.5	0.4	81.3	0.1	72.3	-1.8	64.7	1.2	47.3	-3.5	45.5	3.5	62.4	1.2
5	6661	OKLAHOMA CTY	36.1	0.2	49.7	8.9	55.3	6.2	63.1	2.9	72.5	4.1	78.5	1.5	82.3	0.2	81.4	0.3	70.8	-2.5	62.6	0.3	45.0	-3.8	44.1	4.2	61.8	1.8
5	7327	PURCELL	35.3	-1.6	48.4	6.2	54.7	4.3	62.4	0.7	72.3	2.8	77.3	-0.7	81.6	-1.2	80.0	-1.9	71.1	-3.1	64.2	1.3	46.8	-2.8	44.5	3.5	61.6	0.7
5	8042	SEMINOLE	36.1	-3.0	50.1	5.6	56.1	3.7	64.0	0.8	73.3	2.9	78.6	0.1	82.6	-1.1	81.4	-1.2	72.5	-2.7	64.4	-0.2	47.6	-4.1	45.8	2.8	62.7	0.4
5	8501	STILLWATER	33.3	-2.0	46.2	5.7	52.7	3.9	61.5	1.1	70.1	1.7	78.2	1.2	82.7	0.6	81.1	0.1	70.5	-2.6	63.3	1.4	44.2	-4.7	43.3	3.5	60.6	0.8

CLIMATE DIVISION 6 (EAST CENTRAL)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
			TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP
6	2993	EUFULA	36.8	*	48.7	*	55.5	*	64.4	*	*	*	79.5	*	83.2	*	81.4	*	72.6	*	64.8	*	48.5	*	46.8	*	*	*
6	3884	HANNA	35.8	*	48.1	*	54.9	*	62.9	*	72.5	*	77.7	*	80.6	*	79.3	*	71.5	*	63.6	*	47.1	*	45.5	*	61.6	*
6	4235	HOLDENVILLE	*	*	48.9	4.8	54.6	2.9	62.9	0.7	72.0	2.3	77.1	-0.4	80.9	-1.7	80.5	-1.4	71.4	-3.2	63.9	-0.2	46.6	-4.8	45.4	2.5	*	*
6	4975	LAKE EUFAULA	35.5	*	47.3	*	54.3	*	63.4	*	72.6	*	78.5	*	82.5	*	80.5	*	71.6	*	64.2	*	46.4	*	45.8	*	61.9	*
6	5664	MCALESTER	37.7	-0.4	48.9	5.8	55.7	4.4	64.2	2.3	73.1	3.6	78.4	0.6	81.8	-0.9	80.1	-1.6	72.6	-1.6	65.2	2.0	48.2	-2.6	46.7	4.7	62.7	1.4
6	5693	MCCURTAIN	37.9	*	50.5	*	56.9	*	64.8	*	74.1	*	79.2	*	82.7	*	80.0	*	71.6	*	64.3	*	48.6	*	46.9	*	63.1	*
6	6130	MUSKOGEE	35.0	-2.7	47.7	4.8	55.1	4.0	63.4	1.4	73.5	4.0	78.5	1.0	82.7	0.1	80.4	-1.1	71.4	-2.8	63.5	0.6	47.1	-3.0	45.2	3.5	62.0	0.8
6	6670	OKMULGEE	32.7	-4.4	43.6	0.6	51.4	0.1	60.2	-2.1	70.5	1.2	76.6	-0.7	79.8	-1.9	78.1	-2.7	69.4	-4.1	*	*	44.1	-6.5	43.1	1.2	*	*
6	7862	SALLISAW	37.3	-1.1	46.6	3.2	54.2	2.9	63.0	0.8	72.9	3.2	79.4	2.0	81.4	-0.7	79.3	-1.7	71.4	-2.8	62.8	-0.6	46.2	-4.5	44.9	2.7	61.6	0.3
6	8506	STILWELL	35.1	*	46.7	*	53.8	*	61.8	*	71.6	*	76.7	*	80.6	*	78.4	*	69.4	*	62.8	*	46.5	*	44.8	*	60.7	*
6	8677	TAHLEQUAH	35.1	-1.9	46.9	4.8	53.8	3.8	62.3	1.2	72.6	4.4	78.3	2.2	83.3	2.6	79.9	0.0	70.3	-2.6	63.4	1.5	46.3	0.0	45.5	4.7	61.5	1.5
6	9445	WEBBERS FALL	34.2	-1.7	45.4	4.6	52.4	3.2	61.2	0.6	72.0	3.0	78.0	0.9	81.6	-0.5	80.1	-0.6	71.2	-2.3	*	*	45.1	-4.2	43.9	3.5	*	*

1991 AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (FAHRENHEIT)

CLIMATE DIVISION 7 (SOUTHWEST)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
			TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP
7	179	ALTUS	37.3	-2.0	49.8	5.4	56.0	3.5	65.1	1.8	73.6	2.0	79.4	-1.1	83.7	-0.9	80.5	-2.6	70.7	-4.7	64.2	-0.4	45.4	-5.8	44.3	1.5	62.5	-0.2
7	184	ALTUS DAM	34.3	*	49.8	*	54.4	*	64.0	*	73.0	*	79.3	*	84.0	*	80.7	*	71.1	*	64.1	*	45.4	*	43.1	*	61.9	*
7	1504	CARNEGIE	35.3	-2.0	48.8	6.2	54.5	3.7	63.6	1.8	*	*	*	*	83.2	-0.5	80.2	-2.1	70.7	-3.8	63.0	-0.2	45.6	-3.9	43.3	2.2	*	*
7	1706	CHATTANOOGA	37.5	-1.5	49.5	5.2	*	*	64.3	1.5	*	*	79.7	-0.2	84.1	-0.2	80.7	-2.6	71.4	-4.3	65.2	0.9	47.5	-3.4	44.6	2.2	*	*
7	3353	FREDERICK	36.7	-3.9	47.8	2.1	54.0	0.2	62.8	-1.6	72.2	-0.1	77.5	-3.5	83.0	-2.8	79.1	-5.5	69.7	-6.9	63.0	-2.6	44.8	-7.4	43.8	0.0	61.2	-2.4
7	4204	HOBART	35.8	-0.4	48.9	7.7	54.1	4.8	63.4	3.1	72.7	3.6	78.3	-0.6	82.8	-0.8	79.8	-2.3	70.3	-3.5	62.5	0.1	44.6	-3.9	*	*	*	*
7	4249	HOLLIS	36.2	-2.7	49.1	4.8	*	*	63.5	0.3	*	*	*	*	82.3	-2.6	*	*	*	*	62.3	-1.7	45.4	-5.0	*	*	*	*
7	5063	LAWTON	35.2	-3.6	*	*	53.9	1.9	62.7	0.0	72.2	1.6	78.5	-0.5	82.9	-0.8	80.3	-2.4	70.0	-5.1	63.0	-1.0	45.2	-5.7	43.3	1.1	*	*
7	5068	FORT SILL	36.2	*	50.0	*	55.0	*	63.5	*	72.3	*	77.9	*	82.2	*	79.8	*	70.4	*	62.8	*	46.0	*	44.5	*	61.7	*
7	5509	MANGUM	36.2	-2.4	48.7	4.8	54.1	2.2	64.0	1.3	72.7	1.7	78.6	-1.2	83.0	-0.9	79.0	-3.6	70.7	-4.3	63.3	-0.5	46.0	-4.2	43.7	1.8	61.7	-0.4
7	9278	WALTERS	38.0	-1.9	50.5	5.5	56.7	3.6	*	*	73.9	2.4	79.0	-1.0	83.8	-0.7	80.2	-3.5	71.4	-4.8	64.9	0.1	48.2	-3.5	45.7	2.2	*	*
7	9629	WICHTA MT WL	33.6	-4.2	46.6	3.8	52.8	1.9	*	*	69.7	0.5	75.6	-2.1	80.6	-2.0	*	*	*	*	*	*	*	*	41.3	0.1	*	*

CLIMATE DIVISION 8 (SOUTH CENTRAL)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
			TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP
8	17	ADA	35.7	-3.9	49.7	5.0	54.6	2.2	61.5	-1.0	71.6	1.9	77.0	-0.7	80.6	-2.1	79.7	-2.0	70.9	-3.7	63.4	-1.0	46.8	-5.0	45.0	1.5	61.4	-0.6
8	292	ARDMORE	39.1	-2.9	51.8	4.3	57.4	2.3	65.3	0.1	73.4	1.0	78.7	-1.6	82.6	-2.3	80.9	-3.1	72.3	-4.9	65.3	-1.6	49.4	-4.9	*	*	*	*
8	394	ATOKA DAM	36.8	*	48.2	*	55.3	*	64.6	*	73.8	*	78.9	*	83.7	*	82.3	*	73.9	*	*	*	*	*	*	*	*	*
8	1437	CANEY	*	*	50.9	*	56.5	*	65.3	*	73.5	*	79.6	*	82.7	*	81.4	*	73.0	*	64.7	*	49.0	*	*	*	*	*
8	1745	CHICKASAW NR	36.0	*	48.0	*	53.9	*	62.0	*	71.5	*	77.3	*	80.8	*	79.1	*	70.5	*	64.6	*	46.6	*	44.9	*	61.3	*
8	2660	DUNCAN	36.1	-3.8	49.1	4.2	54.5	1.5	62.0	-1.7	72.4	1.5	77.8	-1.2	81.5	-2.3	79.7	-3.3	70.2	-5.5	63.9	-0.9	46.2	-5.8	45.1	1.4	61.5	-1.2
8	2678	DURANT	38.1	*	49.6	*	55.2	*	63.5	*	72.3	*	78.2	*	81.8	*	80.3	*	72.4	*	65.6	*	47.8	*	46.3	*	62.6	*
8	4001	HEALDTON	38.8	*	49.7	*	55.9	*	64.2	*	73.6	*	79.1	*	82.0	*	*	*	70.8	*	63.6	*	47.2	*	*	*	*	*
8	5216	LINDSAY	36.1	*	49.5	*	55.2	*	*	*	71.7	*	*	*	*	*	*	*	70.8	*	63.3	*	47.0	*	44.8	*	*	*
8	5468	MADILL	39.7	-1.3	*	*	57.5	3.9	65.3	1.8	73.8	2.9	78.3	-0.6	83.0	-0.7	80.0	-3.1	72.6	-3.3	65.2	-0.1	49.8	-3.2	47.5	2.7	*	*
8	5563	MARIETTA	40.2	-1.0	52.0	5.9	58.1	4.3	66.2	2.7	73.5	2.7	79.0	0.3	82.9	-0.7	81.5	-1.4	73.1	-2.8	66.4	1.0	49.8	-3.1	48.2	3.4	64.2	1.0
8	5581	MARLOW	37.4	*	51.0	*	56.7	*	64.1	*	73.1	*	78.4	*	82.8	*	80.4	*	71.5	*	65.1	*	47.6	*	45.4	*	62.8	*
8	5713	MCGEE CRK DA	36.9	*	*	*	54.5	*	63.5	*	72.8	*	78.4	*	82.3	*	*	*	72.9	*	65.9	*	47.2	*	46.0	*	*	*
8	6926	PAULS VALLEY	36.6	-2.6	49.3	4.8	55.7	3.1	63.5	0.2	73.0	1.9	77.8	-1.8	81.9	-2.2	80.2	-2.9	72.0	-3.6	64.9	0.6	47.8	-3.6	45.7	2.9	62.4	-0.1
8	9395	WAURIKA	40.2	-0.8	52.1	5.9	58.0	3.8	65.7	1.2	74.4	2.5	79.4	-0.7	83.8	-0.9	80.7	-3.1	72.3	-4.2	65.8	0.3	49.6	-3.0	47.0	2.4	64.1	0.3

CLIMATE DIVISION 9 (SOUTHEAST)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
			TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP	TEMP	DEP
9	256	ANTLERS	39.0	-1.2	49.7	4.8	56.3	3.5	64.6	2.0	73.3	3.5	78.0	0.5	81.3	-0.7	79.7	-1.4	73.0	-1.4	64.6	1.1	48.0	-3.8	47.2	3.5	62.9	0.9
9	567	BATTIEST	37.7	*	*	*	53.8	*	*	*	70.7	*	75.6	*	79.6	*	76.7	*	70.3	*	62.4	*	45.4	*	44.9	*	*	*
9	980	BOSWELL	42.4	*	52.5	*	59.3	*	66.4	*	74.5	*	79.7	*	81.9	*	79.9	*	73.2	*	65.4	*	50.2	*	47.5	*	64.4	*
9	1168	BRKEN BOW DA	39.3	*	47.6	*	54.7	*	63.3	*	72.9	*	78.5	*	82.0	*	79.7	*	73.0	*	64.0	*	46.2	*	47.4	*	62.4	*
9	4384	HUGO	40.2	-2.1	51.5	4.6	57.8	3.2	65.5	1.4	73.6	2.3	78.5	-0.2	82.3	-0.7	79.8	-2.4	73.6	-2.2	66.9	1.7	50.0	-3.5	47.5	1.8	63.9	0.4
9	4451	IDABEL	*	*	*	*	*	*	64.0	0.8	73.3	2.8	*	*	81.9	0.0	79.6	-1.7	73.6	-1.3	65.2	1.1	47.9	-4.7	46.8	1.8	*	*
9	7254	POTEAU	35.9	*	*	*	53.5	*	63.2	*	73.4	*	78.3	*	81.7	*	78.9	*	*	*	63.1	*	47.1	*	44.8	*	*	*
9	8285	SMITHVILLE	37.9	*	46.8	*	54.1	*	62.0	*	70.9	*	76.5	*	78.6	*	76.1	*	*	*	61.6	*	47.3	*	43.9	*	*	*
9	9023	TUSKAHOMA	39.0	*	49.4	*	56.2	*	64.9	*	73.5	*	78.1	*	82.5	*	79.3	*	71.6	*	65.2	*	48.2	*	47.6	*	63.0	*
9	9634	WILBURTON	37.4	-1.9	48.4	4.4	55.0	3.2	64.0	1.9	73.2	4.0	78.0	1.0	81.2	-0.8	79.5	-1.4	71.6	-2.1	63.5	0.7	47.3	-3.6	46.1	3.2	62.1	0.8

**1991 MONTHLY AND ANNUAL HEATING DEGREE DAYS
BASE = 65 DEGREES FAHRENHEIT**

CLIMATE DIVISION 1 (NORTHWEST)

D ID STATION	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	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	
332 ARNETT	1103	120	543	-208	492	-123	227	-21	65	-22	1	-6	3	3	1	1	90	59	249	42	783	204	832	-31	4386	18	
593 BEAVER	1092	94	595	-159	535	-83	230	-24	84	-11	0	-10	0	0	2	2	66	35	257	38	831	219	874	-19	4564	82	
908 BOISE CITY	1039	81	638	-110	589	-60	312	-15	69	-62	0	-10	*	*	0	0	61	24	268	19	721	88	878	4	*	*	
1243 BUFFALO	992	53	469	-221	388	-153	155	-39	39	-24	0	-6	0	0	0	0	29	10	212	57	703	163	746	-77	3732	-237	
3407 GAGE	997	14	473	-275	402	-197	176	-68	46	-42	0	0	0	0	0	0	45	19	236	34	705	114	781	-93	3860	-494	
3489 GATE	1082	*	*	*	470	*	189	*	55	*	0	0	0	0	*	*	57	*	231	*	784	*	779	*	*	*	*
3628 GOODWELL	1092	115	578	-161	560	-72	284	-7	83	-37	3	-9	3	3	4	4	67	28	272	41	797	176	904	27	4644	108	
4298 HOOKER	1103	117	587	-158	548	-73	278	4	91	-7	1	-9	0	0	1	1	58	29	272	46	822	195	883	-4	4643	141	
4766 KENTON	1070	121	665	-75	598	-54	339	11	98	-18	0	-14	8	8	0	0	67	35	*	*	*	*	*	*	*	14	
6740 OPTIMA LAKE	1092	*	*	*	*	*	235	*	53	*	2	*	0	*	2	*	69	*	243	*	805	*	873	*	*	*	*
9017 TURPIN	1079	*	*	*	*	*	*	*	78	*	2	*	0	*	1	*	67	*	273	*	833	*	889	*	*	*	*

CLIMATE DIVISION 2 (NORTH CENTRAL)

D ID STATION	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	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP
193 ALVA	964	*	455	*	405	*	138	*	32	*	0	*	0	*	0	*	30	*	186	*	706	*	763	*	3677	*
755 BILLINGS	1069	*	538	*	458	*	144	*	33	*	0	*	0	*	0	*	65	*	163	*	656	*	727	*	3849	*
818 BLACKWELL	1043	*	534	*	415	*	165	*	40	*	0	*	0	*	0	*	49	*	152	*	666	*	728	*	3790	*
1724 CHEROKEE	1047	101	470	-234	381	-153	135	-62	31	-15	0	0	0	0	0	0	34	19	158	7	667	136	728	-101	3648	-302
2912 ENID	1013	95	477	-203	432	-76	148	-31	31	-10	0	0	0	0	0	0	49	34	165	31	661	166	727	-71	3700	-65
3304 FT SUPPLY D	1124	182	*	*	490	-68	201	-16	63	-7	0	-6	0	0	0	0	68	43	234	70	778	241	816	-18	*	*
3358 FREEDOM	1060	*	524	*	416	*	162	*	38	*	0	*	0	*	0	*	50	*	213	*	731	*	797	*	3988	*
3740 GRT SALT PLN	1077	*	473	*	376	*	140	*	30	*	0	*	0	*	0	*	61	*	205	*	737	*	766	*	3862	*
4019 HELENA	1110	*	561	*	508	*	198	*	51	*	0	*	0	*	0	*	62	*	203	*	744	*	774	*	4209	*
4573 JEFFERSON	1046	97	501	-211	394	-139	144	-55	33	-14	0	0	0	0	0	0	40	25	170	26	678	162	749	-80	3752	-189
6139 MUTUAL	1074	116	525	-197	468	-106	195	-36	*	*	0	-6	1	1	1	1	75	57	228	53	777	225	791	-53	*	*
6278 NEWKIRK	1036	56	476	-255	380	-174	146	-59	36	-15	0	0	0	0	*	*	44	22	167	10	676	148	738	-112	*	*
7012 PERRY	988	98	417	-241	313	-170	91	-66	*	*	0	0	0	0	0	0	40	25	119	-6	552	90	663	-101	*	*
7201 PONCA CITY	982	-29	482	-282	386	-195	*	*	32	-34	0	0	0	0	0	0	31	3	149	-31	603	51	660	-217	*	*
9404 WAYNOKA	1047	123	480	-203	409	-110	150	-27	37	-11	0	0	0	0	0	0	46	30	202	44	710	197	740	-78	3819	-35

CLIMATE DIVISION 3 (NORTHEAST)

D ID STATION	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	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	
535 BARNSDALL	1074	*	532	*	367	*	131	*	29	*	0	*	0	*	0	*	64	*	159	*	617	*	716	*	3687	*	
548 BARTLESVILLE	1008	66	512	-180	362	-155	125	-47	26	-11	0	0	0	0	0	0	54	36	150	-11	618	117	706	-101	3558	-286	
782 BIXBY	1013	95	576	-105	427	-87	160	-9	28	-16	0	0	0	0	0	0	72	51	157	-15	636	147	666	-101	3733	-40	
1828 CLAREMORE	1022	76	603	-104	437	-98	160	-27	30	-33	0	0	0	0	0	0	74	48	155	-26	638	140	703	-104	3819	-128	
4567 JAY TOWER	895	*	568	*	418	*	*	*	*	*	0	*	*	*	0	*	93	*	*	*	655	*	669	*	*	*	*
4672 KANSAS	957	*	544	*	374	*	143	*	22	*	0	*	0	*	0	*	75	*	*	*	591	*	648	*	*	*	*
4812 KEYSTONE DAM	*	*	*	*	*	*	*	*	*	*	0	*	0	*	0	*	80	*	138	*	626	*	*	*	*	*	*
5522 MANNFORD	968	*	450	*	317	*	96	*	21	*	0	*	0	*	0	*	55	*	128	*	584	*	682	*	3299	*	
5855 MIAMI	*	*	*	*	430	-101	173	-13	*	*	0	-7	0	0	0	0	98	71	182	8	666	168	700	-101	*	*	
6485 NOWATA	1029	90	*	*	372	-152	130	-64	27	-19	0	0	0	0	0	0	*	*	119	-38	588	96	787	-20	*	*	
6935 PAWHUSKA	1032	86	519	-182	371	-150	130	-49	30	-18	0	0	0	0	0	0	61	37	154	-7	619	109	717	-99	3631	-273	
7309 PRYOR	1049	116	633	-68	452	-75	185	-11	*	*	0	0	0	0	0	0	94	70	194	27	*	*	726	-69	*	*	
7390 RALSTON	978	*	462	*	329	*	115	*	25	*	0	*	0	*	0	*	42	*	137	*	587	*	675	*	3348	*	
8380 SPAVINAW	931	*	499	*	323	*	109	*	9	*	0	*	0	*	0	*	49	*	121	*	528	*	600	*	3167	*	
8992 TULSA	908	-16	432	-248	300	-200	82	-87	17	-24	0	0	0	0	0	0	29	11	120	-26	545	71	613	-168	3045	-687	
9101 UPPR SPAVINA	*	*	482	*	298	*	*	*	13	*	0	*	0	*	0	*	80	*	153	*	*	*	*	*	*	*	*
9203 VINITA	1048	102	*	*	394	-140	159	-31	25	-37	0	-7	*	*	0	*	*	*	157	-19	607	94	683	-127	*	*	
9247 WAGONER	911	40	478	-161	348	-119	97	-53	12	-19	0	0	0	0	0	0	47	30	125	-16	549	102	638	-95	3203	-291	

**1991 MONTHLY AND ANNUAL HEATING DEGREE DAYS
BASE = 65 DEGREES FAHRENHEIT**

CLIMATE DIVISION 4 (WEST CENTRAL)

CD	ID STATION	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	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	
4	1445 CANTON DAM	*	*	*	*	461	-48	184	-8	41	-10	1	1	0	0	2	2	68	53	*	*	*	*	*	*	*	*	
4	1909 CLINTON	935	48	422	-239	320	-173	90	-90	28	-14	0	0	0	0	0	0	38	22	149	4	598	103	704	-74	3283	-413	
4	2849 ELK CITY	963	*	442	*	*	*	113	*	35	*	*	*	0	*	*	*	48	*	*	*	617	*	*	*	*	*	
4	2944 ERICK	959	91	476	-168	377	-115	138	-41	38	-9	0	0	0	0	0	0	33	20	188	43	621	123	718	-49	3546	-105	
4	3497 GEARY	988	98	*	*	386	-114	*	*	*	*	0	0	*	*	0	0	*	*	173	33	653	167	*	*	*	*	
4	3871 HAMMON	1060	152	542	-133	470	-46	200	17	48	-16	3	-4	0	0	0	0	82	60	202	32	745	220	780	-27	4130	255	
4	6629 OKEENE	1004	117	452	-204	376	-106	152	-16	31	-6	0	0	0	0	0	0	40	23	166	44	648	171	716	-50	3583	-27	
4	7579 REYDON	967	*	450	*	363	*	146	*	42	*	0	*	*	*	*	*	45	*	*	*	591	*	722	*	*	*	*
4	8708 TALOGA	1002	75	489	-209	411	-117	155	-46	36	-20	0	0	0	0	0	0	*	*	223	55	702	162	745	-70	*	*	
4	9364 WATONGA	919	*	449	*	363	*	141	*	35	*	0	*	0	*	0	*	25	*	139	*	644	*	674	*	3387	*	
4	9422 WEATHERFORD	1004	124	454	-198	397	-85	*	*	28	-5	0	0	0	0	0	0	64	49	174	40	689	206	714	-55	*	*	

CLIMATE DIVISION 5 (CENTRAL)

CD	ID STATION	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	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	
5	830 BLANCHARD	924	*	*	*	312	*	108	*	23	*	0	*	0	*	0	*	42	*	127	*	549	*	620	*	*	*	*
5	1144 BRISTOW	948	71	469	-164	327	-140	121	-35	28	-4	0	0	*	*	0	0	52	30	122	-14	571	107	652	-99	*	*	*
5	1750 CHICKASHA	944	101	460	-154	331	-105	129	-13	33	9	0	0	0	0	0	0	37	24	159	31	602	152	652	-74	3344	-29	
5	2318 CUSHING	1021	85	492	-209	*	*	137	-32	*	*	*	*	*	*	*	*	59	39	136	-14	639	156	685	-106	*	*	*
5	2818 EL RENO	971	78	*	*	350	-143	129	-49	34	-3	0	*	*	*	*	*	43	28	154	14	611	116	673	-99	*	*	*
5	3821 GUTHRIE	925	32	409	-255	301	-184	88	-76	14	-21	0	0	0	0	0	0	29	14	125	-15	526	55	624	-152	3039	-602	
5	4055 HENNESSEY	1005	90	484	-200	398	-114	144	-41	34	-7	*	*	*	*	0	0	40	26	162	21	649	154	713	-85	*	*	
5	4861 KINGFISHER	986	87	476	-191	354	-136	123	-52	32	-3	0	0	0	0	0	0	43	29	160	31	614	131	704	-74	3490	-178	
5	5779 MEEKER	952	68	465	-182	336	-140	129	-30	35	0	0	0	0	0	*	*	35	18	*	*	573	102	649	-101	*	*	
5	6386 NORMAN	876	*	441	*	310	*	94	*	26	*	0	*	0	*	0	*	29	*	131	*	579	*	632	*	3117	*	
5	6638 OKEMAH	921	81	444	-169	306	-145	92	-45	16	-12	0	0	0	0	0	0	31	14	114	-12	537	108	606	-108	3064	-288	
5	6661 OKLAHOMA CTY	896	-6	428	-250	317	-189	107	-78	26	-16	0	0	0	0	0	0	40	25	155	10	602	116	649	-129	3218	-517	
5	7327 PURCELL	922	51	465	-173	339	-136	121	-34	22	-13	0	0	0	0	0	0	42	30	122	-14	549	82	634	-110	3215	-317	
5	8042 SEMINOLE	895	92	418	-157	300	-111	87	-46	12	-12	0	0	0	0	0	0	33	23	114	14	527	123	597	-85	2980	-159	
5	8501 STILLWATER	982	61	528	-159	393	-122	143	-40	40	-9	0	0	0	0	0	0	62	44	137	-22	628	145	674	-107	3585	-209	

CLIMATE DIVISION 6 (EAST CENTRAL)

CD	ID STATION	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	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	
6	2993 EUFAULA	876	*	456	*	312	*	75	*	*	*	0	*	0	*	0	*	26	*	108	*	482	*	552	*	*	*	*
6	3884 HANNA	904	*	474	*	334	*	110	*	17	*	0	*	0	*	0	*	41	*	124	*	542	*	610	*	3155	*	
6	4235 HOLDENVILLE	*	*	451	-142	340	-91	111	-21	23	0	0	0	0	0	0	0	38	27	120	5	555	142	612	-74	*	*	
6	4975 LAKE EUFAULA	884	*	496	*	351	*	92	*	13	*	0	*	0	*	0	*	49	*	111	*	544	*	596	*	3135	*	
6	5664 MCALESTER	846	12	453	-161	313	-128	94	-51	17	-17	0	0	0	0	0	0	30	14	109	-25	510	77	575	-138	2945	-417	
6	5693 MCCURTAIN	839	*	408	*	288	*	72	*	11	*	0	*	0	*	0	*	49	*	124	*	497	*	569	*	2855	*	
6	6130 MUSKOGEE	931	85	485	-135	324	-125	88	-50	8	-25	0	0	0	0	0	0	49	32	120	-21	541	94	620	-103	3162	-248	
6	6670 OKMULGEE	1002	146	601	-16	431	-18	167	36	37	7	0	0	0	0	0	0	78	62	*	*	631	199	658	-58	*	*	
6	7862 SALLISAW	858	33	517	-89	349	-94	97	-33	10	-15	0	0	0	0	0	0	46	36	115	-11	566	132	624	-83	3180	-124	
6	8506 STILWELL	928	*	513	*	360	*	126	*	23	*	0	*	0	*	0	*	74	*	129	*	554	*	630	*	3334	*	
6	8677 TAHLEQUAH	926	58	508	-134	348	-132	115	-48	17	-39	0	0	0	0	0	0	56	32	122	-47	561	85	611	-139	3263	-364	
6	9445 WEBBERS FALL	956	54	550	-129	399	-102	137	-34	24	-13	0	0	0	0	0	0	59	44	*	*	600	129	653	-110	*	*	

**1991 MONTHLY AND ANNUAL HEATING DEGREE DAYS
BASE = 65 DEGREES FAHRENHEIT**

CLIMATE DIVISION 7 (SOUTHWEST)

CD	ID STATION	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	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP
7 179	ALTUS	858	61	426	-152	291	-116	69	-55	15	-3	0	0	0	0	0	0	39	32	131	24	589	175	642	-46	3059	-80
7 184	ALTUS DAM	952	*	425	*	348	*	91	*	18	*	2	*	0	*	0	*	47	*	151	*	587	*	680	*	3298	*
7 1504	CARNEGIE	922	63	454	-174	330	-125	113	-38	*	*	*	*	0	0	0	0	39	25	157	31	582	117	652	-90	*	*
7 1706	CHATTANOOGA	851	45	434	-146	*	*	93	-36	*	*	0	0	0	0	0	0	35	27	114	13	525	102	632	-70	*	*
7 3353	FREDERICK	879	123	481	-70	346	-31	103	-2	17	2	2	2	0	0	0	0	49	42	143	50	607	218	637	-21	3261	313
7 4204	HOBART	904	11	450	-217	351	-147	110	-70	31	-8	1	1	0	0	0	0	44	28	172	30	612	117	*	*	*	*
7 4249	HOLLIS	894	85	444	-136	*	*	103	-20	*	*	*	*	0	0	*	*	*	*	164	54	570	132	*	*	*	*
7 5063	LAWTON	923	111	*	*	346	-78	109	-18	13	-9	0	0	0	0	0	0	60	54	137	22	594	166	652	-55	*	*
7 5068	FORT SILL	893	*	419	*	322	*	102	*	23	*	0	*	0	*	0	*	38	*	152	*	571	*	636	*	3155	*
7 5509	MANGUM	892	74	457	-135	345	-82	86	-54	27	3	0	0	0	0	0	0	32	26	138	20	569	125	660	-57	3204	-80
7 9278	WALTERS	836	58	406	-154	277	-117	*	*	13	-4	0	0	0	0	0	0	36	23	108	-9	507	92	597	-70	*	*
7 9629	WICHTA MT WL	R942	99	514	-108	385	-73	*	*	33	3	0	0	0	0	*	*	*	*	*	*	*	*	735	-3	*	*

CLIMATE DIVISION 8 (SOUTH CENTRAL)

CD	ID STATION	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	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP
8 17	ADA	907	120	429	-140	330	-84	125	-7	28	5	0	0	0	0	0	0	48	36	129	10	548	144	620	-47	3162	37
8 292	ARDMORE	802	104	371	-130	260	-80	62	-19	11	4	0	0	0	0	0	0	31	31	113	44	478	148	*	*	*	*
8 394	ATOKA DAM	845	*	470	*	309	*	79	*	15	*	0	*	0	*	0	*	23	*	*	*	*	*	*	*	*	*
8 1437	CANEY	*	*	398	*	275	*	56	*	17	*	0	*	0	*	0	*	20	*	106	*	467	*	*	*	*	*
8 1745	CHICKASAW NR	898	*	477	*	361	*	123	*	27	*	0	*	0	*	0	*	58	*	103	*	558	*	623	*	3226	*
8 2660	DUNCAN	896	118	446	-125	335	-62	117	5	16	-1	0	0	0	0	0	0	50	42	119	14	569	172	598	-62	3144	101
8 2678	DURANT	833	*	430	*	318	*	96	*	17	*	0	*	0	*	0	*	29	*	87	*	522	*	581	*	2912	*
8 4001	HEALDTON	812	*	429	*	302	*	89	*	16	*	0	*	0	*	*	*	44	*	136	*	536	*	*	*	*	*
8 5216	LINDSAY	895	*	433	*	312	*	*	*	23	*	*	*	*	*	*	*	39	*	135	*	545	*	627	*	*	*
8 5468	MADILL	784	40	*	*	264	-114	65	-43	11	-2	0	0	0	0	0	0	24	17	105	12	454	88	550	-76	*	*
8 5563	MARIETTA	768	30	367	-170	246	-126	51	-60	14	-2	0	0	0	0	0	0	20	10	92	-1	465	94	526	-100	2546	-325
8 5581	MARLOW	855	*	392	*	280	*	89	*	19	*	0	*	0	*	*	*	38	*	117	*	522	*	607	*	2918	*
8 5713	MCGEE CRK DA	871	*	*	*	339	*	90	*	17	*	0	*	0	*	*	*	32	*	78	*	538	*	589	*	*	*
8 6926	PAULS VALLEY	880	80	441	-133	307	-99	100	-18	17	-1	0	0	0	0	0	0	31	22	110	5	520	107	597	-91	3001	-128
8 9395	WAURIKA	770	26	363	-170	246	-118	62	-43	14	1	0	0	0	0	0	0	27	21	109	15	462	83	560	-72	2611	-257

CLIMATE DIVISION 9 (SOUTHEAST)

CD	ID STATION	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	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP	HDD	DEP
9 256	ANTLERS	806	37	430	-134	296	-102	75	-46	13	-13	0	0	0	0	0	0	25	16	99	-26	513	113	556	-105	2812	-260
9 567	BATTIEST	820	*	*	*	355	*	*	*	26	*	0	*	0	*	0	*	45	*	127	*	589	*	623	*	*	*
9 980	BOSWELL	702	*	356	*	223	*	52	*	6	*	0	*	0	*	0	*	24	*	98	*	456	*	550	*	2465	*
9 1168	BRKEN BOW DA	798	*	488	*	331	*	93	*	15	*	0	*	0	*	0	*	18	*	94	*	566	*	545	*	2947	*
9 4384	HUGO	770	66	386	-127	253	-95	55	-39	7	-3	0	0	0	0	0	0	22	22	68	-27	459	102	542	-57	2559	-158
9 4451	IDABEL	*	*	*	*	*	*	78	-31	13	-2	*	*	0	0	0	0	19	13	74	-41	517	137	564	-56	*	*
9 7254	POTEAU	901	*	*	*	365	*	110	*	10	*	0	*	0	*	*	*	*	*	122	*	542	*	626	*	*	*
9 8285	SMITHVILLE	839	*	509	*	353	*	116	*	22	*	0	*	0	*	0	*	*	*	144	*	534	*	656	*	*	*
9 9023	TUSKAHOMA	806	*	442	*	303	*	74	*	11	*	0	*	0	*	0	*	42	*	97	*	510	*	546	*	2829	*
9 9634	WILBURTON	857	60	467	-121	332	-95	85	-55	13	-26	0	0	0	0	0	0	46	30	122	-20	541	113	594	-91	3056	-205

**1991 MONTHLY AND ANNUAL COOLING DEGREE DAYS
BASE = 65 DEGREES FAHRENHEIT**

CLIMATE DIVISION 1 (NORTHWEST)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL		
			CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	
1	332	ARNETT	0	0	0	0	0	-6	14	-7	153	25	304	-25	430	-61	368	-75	133	-76	54	8	0	0	0	0	1453	-217	
1	593	BEAVER	0	0	0	0	3	-4	20	3	198	64	362	16	465	-48	435	-18	208	0	63	23	0	0	0	0	1752	36	
1	908	BOISE CITY	0	0	0	0	0	0	1	-7	108	34	242	-23	*	*	309	-23	103	-28	18	4	0	0	0	0	*	*	
1	1243	BUFFALO	0	0	0	0	14	-1	60	25	277	106	471	63	620	50	500	-21	259	-6	121	56	0	0	0	0	2320	272	
1	3407	GAGE	0	0	0	0	12	5	44	26	222	88	375	22	509	-3	423	-46	194	-22	96	58	0	0	0	0	1873	128	
1	3489	GATE	0	*	*	*	8	*	28	*	231	*	377	*	561	*	439	*	209	*	96	*	0	*	0	*	*	*	*
1	3628	GOODWELL	0	0	0	0	0	-6	3	-14	131	22	259	-41	414	-33	373	-11	151	-23	48	21	0	0	0	0	1378	-85	
1	4298	HOOVER	0	0	0	0	0	-7	8	-6	136	27	283	-46	410	-65	385	-24	161	-16	47	13	0	0	0	0	1428	-124	
1	4766	KENTON	0	0	0	0	0	0	2	-9	87	18	238	-38	331	-92	275	-82	59	-91	*	*	*	*	*	*	*	*	*
1	6740	OPTIMA LAKE	0	*	*	*	*	*	12	*	175	*	299	*	422	*	406	*	184	*	53	*	0	*	0	*	*	*	*
1	9017	TURPIN	0	*	*	*	*	*	*	*	170	*	348	*	447	*	408	*	187	*	42	*	0	*	0	*	*	*	*

CLIMATE DIVISION 2 (NORTH CENTRAL)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
			CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP
2	193	ALVA	0	*	0	*	10	*	51	*	269	*	460	*	648	*	507	*	241	*	108	*	0	*	0	*	2292	*
2	755	BILLINGS	0	*	0	*	3	*	18	*	243	*	416	*	524	*	506	*	242	*	80	*	0	*	0	*	2030	*
2	818	BLACKWELL	0	*	0	*	13	*	19	*	225	*	412	*	572	*	507	*	244	*	97	*	0	*	0	*	2087	*
2	1724	CHEROKEE	0	0	0	0	12	0	59	19	280	120	475	58	632	52	524	-10	254	-17	121	57	0	0	0	0	2355	279
2	2912	ENID	0	0	0	0	9	-6	35	-5	237	73	403	-3	549	-25	520	-10	211	-69	106	37	0	0	0	0	2068	-8
2	3304	FT SUPPLY DA	0	0	*	*	1	-14	19	-18	173	26	334	-29	512	-9	437	-41	201	-40	74	25	0	0	0	0	*	*
2	3358	FREEDOM	0	*	0	*	9	*	61	*	239	*	409	*	567	*	437	*	203	*	89	*	0	*	0	*	2013	*
2	3740	GRT SALT PLN	0	*	0	*	14	*	47	*	278	*	454	*	582	*	520	*	236	*	111	*	0	*	0	*	2241	*
2	4019	HELENA	0	*	0	*	0	*	31	*	222	*	407	*	542	*	477	*	219	*	79	*	0	*	0	*	1976	*
2	4573	JEFFERSON	0	0	0	0	19	10	41	5	257	95	444	33	602	25	506	-24	236	-38	93	30	0	0	0	0	2197	136
2	6139	MUTUAL	0	0	0	0	2	-7	30	4	*	*	356	-16	545	-2	454	-43	175	-62	61	13	0	0	0	0	*	*
2	6278	NEWKIRK	0	0	0	0	18	7	22	-17	227	76	385	10	524	-20	*	*	231	-26	104	43	0	0	0	0	*	*
2	7012	PERRY	0	0	0	0	32	17	52	0	*	*	448	55	620	56	545	15	242	-50	132	53	0	0	0	0	*	*
2	7201	PONCA CITY	0	0	0	0	24	17	*	*	272	124	416	50	580	34	521	28	274	27	125	74	0	0	0	0	*	*
2	9404	WAYNOKA	0	0	0	0	7	-9	57	21	196	21	401	-5	568	-6	437	-93	216	-52	91	20	0	0	0	0	1972	-103

CLIMATE DIVISION 3 (NORTHEAST)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL		
			CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	
5	535	BARNSDALL	0	*	0	*	17	*	31	*	232	*	362	*	534	*	478	*	222	*	75	*	0	*	0	*	1950	*	
5	548	BARTLESVILLE	0	0	0	0	23	9	36	-10	254	104	427	67	536	9	475	-10	237	-15	82	28	2	2	0	0	2069	*	
5	782	BIXBY	0	0	0	0	16	4	25	-12	215	60	391	30	509	-12	422	-52	219	-34	61	-9	3	3	0	0	1860	-22	
5	1828	CLAREMORE	0	0	0	0	13	3	22	-13	230	78	383	44	497	-18	458	-17	241	-16	57	-11	3	3	0	0	1903	53	
5	4567	JAY TOWER	0	*	0	*	4	*	*	*	*	*	371	*	*	*	441	*	211	*	*	*	0	*	0	*	*	*	*
5	4672	KANSAS	0	*	0	*	10	*	17	*	204	*	349	*	509	*	416	*	199	*	*	*	1	*	4	*	*	*	*
5	4812	KEYSTONE DAM	*	*	*	*	*	*	*	*	*	*	316	*	535	*	469	*	214	*	64	*	0	*	*	*	*	*	*
5	5522	MANNFORD	0	*	0	*	39	*	51	*	232	*	388	*	591	*	519	*	220	*	103	*	0	*	0	*	2141	*	
5	5855	MIAMI	*	*	*	*	12	2	19	-20	*	*	362	19	464	-35	462	-1	237	-19	44	-19	0	0	0	0	*	*	*
5	6485	NOWATA	0	0	*	*	16	6	26	-15	231	86	392	43	542	12	494	4	*	*	82	24	0	0	0	0	*	*	*
5	6935	PAWHUSKA	0	0	0	0	18	6	30	-14	228	81	349	1	519	-3	461	-21	217	-36	90	37	1	1	0	0	1910	*	
5	7309	PRYOR	0	0	0	0	9	-6	17	-29	*	*	358	11	479	-37	426	-49	215	-37	41	-15	*	*	0	0	*	*	*
5	7390	RALSTON	0	*	0	*	28	*	41	*	275	*	413	*	585	*	534	*	256	*	119	*	1	*	0	*	2250	*	
5	8380	SPAVINAW	0	*	0	*	18	*	46	*	265	*	421	*	570	*	503	*	250	*	103	*	1	*	3	*	2178	*	
5	8992	TULSA	0	0	0	0	34	20	58	13	295	128	465	84	621	57	565	47	277	-5	126	54	3	3	4	4	2446	405	
5	9101	UPPR SPAVINA	*	*	0	*	37	*	*	*	359	*	437	*	484	*	472	*	223	*	68	*	*	*	*	*	*	*	*
5	9203	VINITA	0	0	*	*	16	6	25	-6	215	72	391	54	*	*	468	9	*	*	66	8	1	1	0	0	*	*	*
5	9247	WAGONER	0	0	0	0	7	-9	40	-9	258	97	396	30	535	-4	490	-9	236	-48	82	-1	2	2	3	3	2047	52	

**1991 MONTHLY AND ANNUAL COOLING DEGREE DAYS
BASE = 65 DEGREES FAHRENHEIT**

CLIMATE DIVISION 4 (WEST CENTRAL)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL			
			CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP		
4	1445	CANTON DAM	*	*	*	*	7	-9	28	-17	184	25	355	-27	543	-12	447	-71	188	-79	*	*	*	*	*	*	*	*	*	*
4	1909	CLINTON	0	0	0	0	11	-3	60	13	278	113	449	47	609	42	487	-40	228	-46	97	39	0	0	0	0	0	0	2218	165
4	2849	ELK CITY	0	*	0	*	*	*	52	*	201	*	*	*	523	*	*	*	183	*	*	*	0	*	*	*	*	*	*	*
4	2944	ERICK	0	0	0	0	2	-10	43	3	226	72	354	-31	511	-14	399	-85	175	-81	59	14	0	0	0	0	0	0	1768	-132
4	3497	GEARY	0	0	*	*	10	-3	*	*	*	*	341	-44	*	*	473	-51	*	*	66	0	0	0	0	*	*	*	*	
4	3871	HAMMON	0	0	0	0	3	-14	19	-24	192	27	335	-65	515	-43	412	-88	170	-77	66	10	0	0	0	0	0	0	1709	-274
4	6629	OKEENE	0	0	0	0	14	-1	52	4	245	69	409	-11	580	-6	476	-68	209	-87	102	29	0	0	0	0	0	0	2085	-71
4	7579	REYDON	0	*	0	*	6	*	43	*	215	*	343	*	*	*	*	*	200	*	*	*	0	*	0	*	0	*	*	
4	8708	TALOGA	0	0	0	0	9	-2	54	24	213	67	372	-4	537	4	421	-66	*	*	63	19	0	0	0	0	0	0	*	
4	9364	WATONGA	0	*	0	*	15	*	58	*	250	*	414	*	570	*	491	*	243	*	138	*	0	*	0	*	0	0	2178	*
4	9422	WEATHERFORD	0	0	0	0	11	-3	*	*	234	67	412	13	565	7	487	-29	199	-77	79	16	0	0	0	0	0	0	*	

CLIMATE DIVISION 5 (CENTRAL)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL			
			CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP		
5	830	BLANCHARD	0	*	*	*	18	*	50	*	249	*	369	*	501	*	477	*	213	*	108	*	4	*	0	*	0	*	*	*
5	1144	BRISTOW	0	0	0	0	23	6	44	-20	238	79	370	4	*	*	454	-49	221	-63	88	3	1	-5	0	0	0	0	*	*
5	1750	CHICKASHA	0	0	0	0	20	1	58	-3	261	75	405	-10	531	-27	473	-30	214	-66	93	21	3	3	0	0	0	0	2056	-36
5	2318	CUSHING	0	0	0	0	*	*	21	-10	*	*	*	*	*	*	466	-42	228	-51	77	8	4	4	0	0	0	0	*	*
5	2818	EL RENO	0	0	*	*	17	4	47	4	247	95	389	17	*	*	*	*	210	-58	99	40	0	0	0	0	0	0	*	*
5	3821	GUTHRIE	0	0	0	0	29	16	69	19	291	124	442	55	627	66	569	39	252	-37	138	61	6	6	0	0	0	0	2421	349
5	4055	HENNESSEY	0	0	0	0	3	-11	51	11	251	79	*	*	*	*	537	1	220	-61	92	19	0	0	0	0	0	*	*	
5	4861	KINGFISHER	0	0	0	0	18	6	51	3	249	78	410	2	539	-41	495	-44	215	-75	90	26	0	0	0	0	0	0	2065	-45
5	5779	MEEKER	0	0	0	0	20	7	36	-12	223	64	360	-6	483	-54	*	*	211	-67	*	*	1	1	0	0	0	0	*	*
5	6386	NORMAN	0	*	0	*	19	*	53	*	252	*	409	*	562	*	509	*	223	*	111	*	5	*	0	0	0	0	2142	*
5	6638	OKEMAH	0	0	0	0	18	-2	46	6	269	115	411	48	544	14	506	4	252	-39	105	26	5	5	1	1	1	1	2155	178
5	6661	OKLAHOMA CTY	0	0	0	0	17	4	51	11	258	111	404	44	538	8	508	9	215	-50	81	20	1	1	0	0	0	0	2070	158
5	7327	PURCELL	0	0	0	0	19	-4	42	-13	250	75	368	-22	516	-36	464	-61	226	-62	97	27	3	3	0	0	0	0	1984	-93
5	8042	SEMINOLE	0	0	0	0	25	4	58	-21	268	77	408	3	545	-35	508	-39	258	-59	97	9	6	1	3	3	3	3	2172	-57
5	8501	STILLWATER	0	0	0	0	11	-1	40	-6	199	45	396	36	550	20	499	3	228	-34	84	22	5	5	0	0	0	0	2009	90

CLIMATE DIVISION 6 (EAST CENTRAL)

CD	ID	STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL			
			CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP		
6	2993	EUFULA	0	*	0	*	18	*	56	*	249	*	435	*	565	*	510	*	255	*	103	*	3	*	5	*	5	*	*	*
6	3884	HANNA	0	*	0	*	21	*	47	*	249	*	381	*	483	*	444	*	237	*	81	*	6	*	6	*	6	*	1952	*
6	4235	HOLDENVILLE	*	*	0	-8	17	-1	49	2	239	70	364	-12	493	-54	480	-44	229	-71	86	-1	3	3	3	3	3	3	*	*
6	4975	LAKE EUFAULA	0	*	0	*	19	*	46	*	248	*	405	*	543	*	479	*	241	*	86	*	6	*	0	*	0	*	2071	*
6	5664	MCALESTER	0	0	1	1	25	8	68	17	267	93	401	17	505	-69	468	-51	258	-34	114	36	7	-1	9	9	9	9	2122	26
6	5693	MCCURTAIN	0	*	2	*	38	*	66	*	293	*	426	*	549	*	465	*	247	*	102	*	5	*	7	*	5	*	2199	*
6	6130	MUSKOGEE	0	0	0	0	18	1	42	-7	273	101	406	31	549	3	477	-35	241	-53	76	1	3	3	5	5	5	5	2087	50
6	6670	OKMULGEE	0	0	0	0	10	-13	23	-28	207	44	347	-22	458	-60	406	-85	209	-62	*	*	4	4	0	0	0	0	*	*
6	7862	SALLISAW	0	0	0	0	13	-6	38	-8	254	84	432	60	509	-22	443	-54	238	-48	48	-29	2	-4	2	2	2	1976	-25	
6	8506	STILWELL	0	*	0	*	12	*	29	*	229	*	352	*	485	*	417	*	206	*	60	*	0	*	4	*	4	*	1791	*
6	8677	TAHLEQUAH	0	0	0	0	13	-2	34	-12	254	99	398	65	567	80	462	0	215	-46	71	-2	0	-5	5	5	5	2018	182	
6	9445	WEBBERS FALL	0	0	0	0	10	-2	23	-17	241	81	391	28	499	-32	467	-20	245	-25	*	*	4	4	0	0	0	0	*	*

**1991 MONTHLY AND ANNUAL COOLING DEGREE DAYS
BASE = 65 DEGREES FAHRENHEIT**

CLIMATE DIVISION 7 (SOUTHWEST)

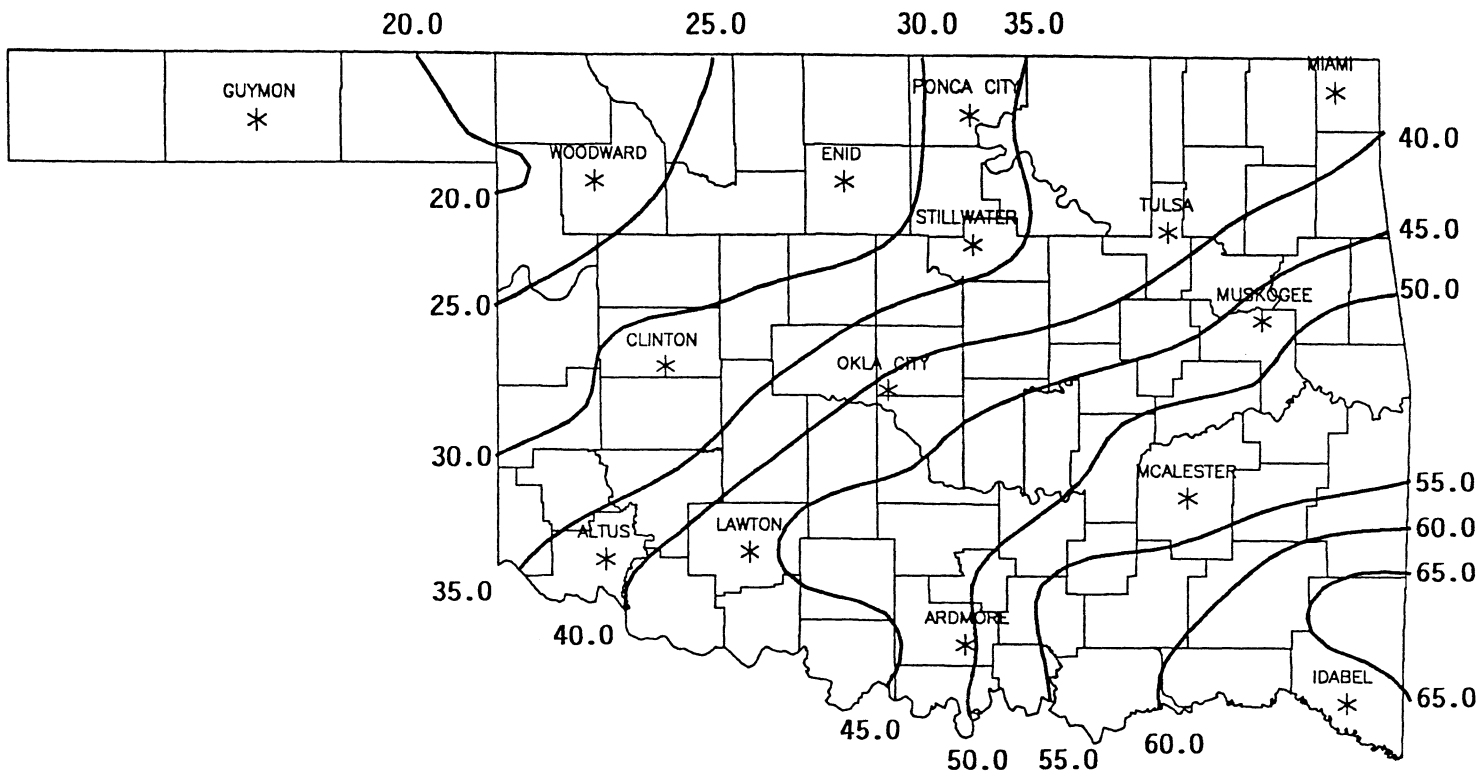
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	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP
179 ALTUS	0	0	0	0	11	-9	71	-2	283	61	433	-32	580	-29	480	-82	210	-110	105	10	0	0	0	0	2171	-193
184 ALTUS DAM	0	*	0	*	21	*	61	*	267	*	431	*	590	*	486	*	231	*	123	*	0	*	0	0	2209	*
1504 CARNEGIE	0	0	0	0	14	-1	70	16	*	*	*	*	546	-35	456	-80	209	-88	98	27	1	1	0	0	*	*
1706 CHATTANOOGA	0	0	0	0	*	*	72	9	*	*	427	-21	592	-6	486	-82	229	-101	119	40	1	1	0	0	*	*
3353 FREDERICK	0	0	0	-10	5	-25	37	-51	241	0	364	-117	557	-89	422	-187	191	-165	82	-30	0	-5	0	0	1896	-679
4204 HOBART	0	0	0	0	13	3	61	22	270	104	386	-31	533	-42	445	-86	203	-78	95	34	1	1	*	*	*	*
4249 HOLLIS	0	0	0	0	*	*	57	-12	*	*	*	*	536	-82	*	*	*	*	83	4	0	0	*	*	*	*
5063 LAWTON	0	0	*	*	1	-21	41	-18	229	34	391	-30	554	-26	475	-75	210	-100	74	-11	0	0	0	0	*	*
5068 FORT SILL	0	*	0	*	12	*	58	*	250	*	388	*	532	*	459	*	199	*	84	*	0	*	0	*	1981	*
5509 MANGUM	0	0	0	0	7	-13	56	-16	265	55	408	-37	557	-30	434	-112	202	-102	85	4	0	0	0	0	2012	-251
9278 WALTERS	0	0	0	0	19	-6	*	*	289	70	419	-31	583	-23	471	-109	229	-120	104	-6	3	-4	0	0	*	*
9629 WICHTA MT WL	0	0	0	0	8	-13	*	*	179	19	318	-64	485	-61	*	*	*	*	*	*	*	*	0	0	*	*

CLIMATE DIVISION 8 (SOUTH CENTRAL)

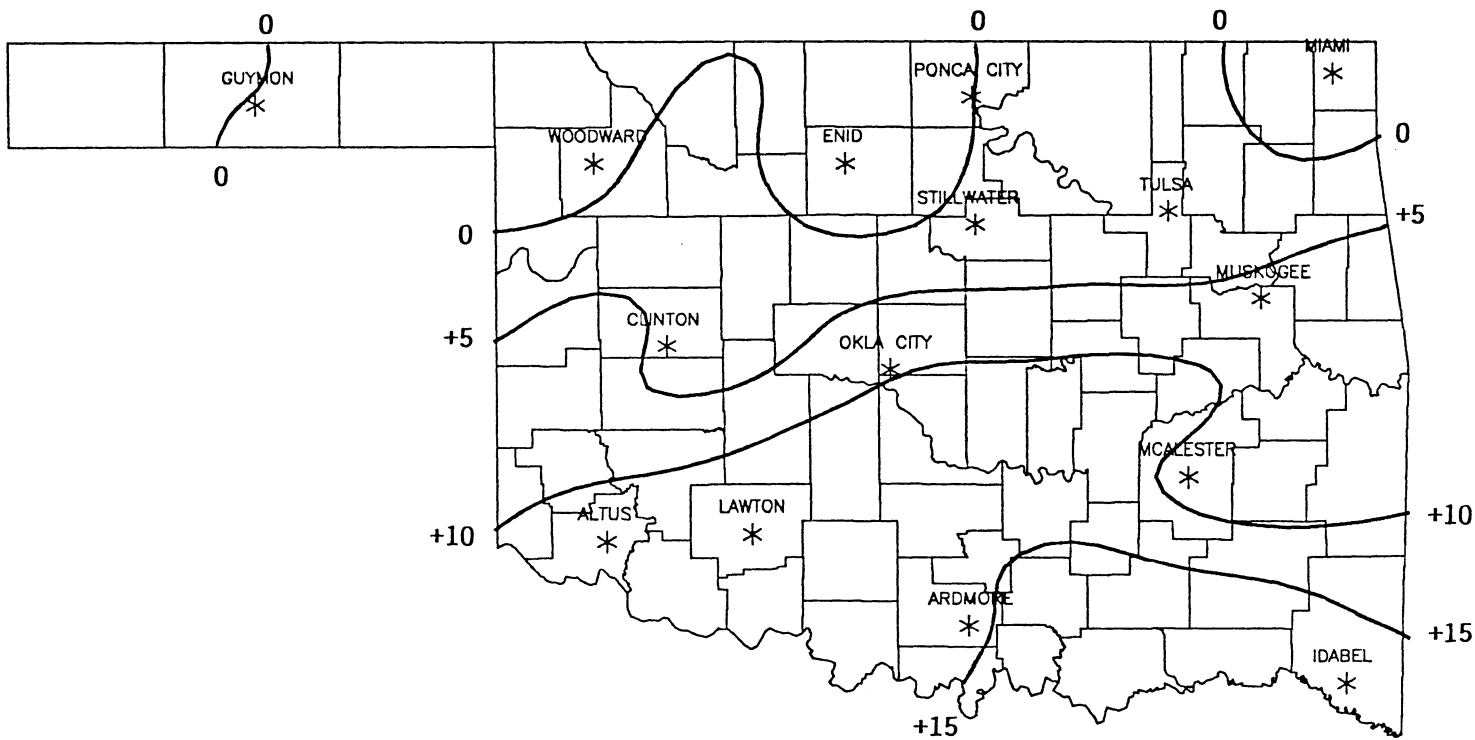
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	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP
17 ADA	0	0	0	0	7	-16	21	-35	233	65	360	-22	485	-65	457	-62	225	-75	79	-22	2	-6	1	1	1868	-237
292 ARDMORE	0	0	0	-9	26	-8	72	-16	271	35	412	-48	527	-88	494	-95	242	-129	123	-5	9	0	*	*	*	*
394 ATOKA DAM	0	*	0	*	19	*	67	*	287	*	416	*	580	*	537	*	290	*	*	*	*	*	*	*	*	*
1437 CANEY	*	*	2	*	13	*	65	*	279	*	438	*	548	*	508	*	261	*	96	*	4	*	*	*	*	*
1745 CHICKASAW NR	0	*	0	*	16	*	32	*	227	*	369	*	491	*	437	*	223	*	91	*	6	*	0	*	1889	*
2660 DUNCAN	0	0	0	-8	9	-15	27	-47	246	46	386	-35	513	-70	455	-104	206	-123	85	-14	4	-4	0	0	1929	-374
2678 DURANT	0	*	0	*	16	*	50	*	245	*	395	*	521	*	474	*	251	*	107	*	7	*	0	*	2063	*
4001 HEALDTON	0	*	0	*	20	*	64	*	284	*	422	*	526	*	*	*	218	*	93	*	3	*	*	*	*	*
5216 LINDSAY	0	*	0	*	17	*	*	*	231	*	*	*	*	*	*	*	215	*	81	*	4	*	0	*	*	*
5468 MADILL	0	0	*	*	33	8	74	12	283	87	399	-19	558	-22	464	-97	253	-82	111	9	13	7	9	9	*	*
5563 MARIETTA	0	0	2	-4	31	7	87	22	278	83	419	8	554	-24	512	-44	262	-76	136	31	11	3	6	6	2295	12
5581 MARLOW	0	*	0	*	24	*	62	*	270	*	402	*	551	*	477	*	232	*	122	*	1	*	0	*	2138	*
5713 MCGEE CRK DA	0	*	*	*	14	*	46	*	260	*	403	*	537	*	*	*	269	*	106	*	4	*	0	*	*	*
6926 PAULS VALLEY	0	0	0	0	18	-3	54	-14	266	59	383	-53	524	-69	473	-89	240	-87	108	25	6	6	0	0	2069	-225
9395 WAURIKA	0	0	0	-5	30	-1	83	-7	307	80	434	-20	584	-28	488	-96	245	-106	133	24	15	8	2	2	2317	-149

CLIMATE DIVISION 9 (SOUTHWEST)

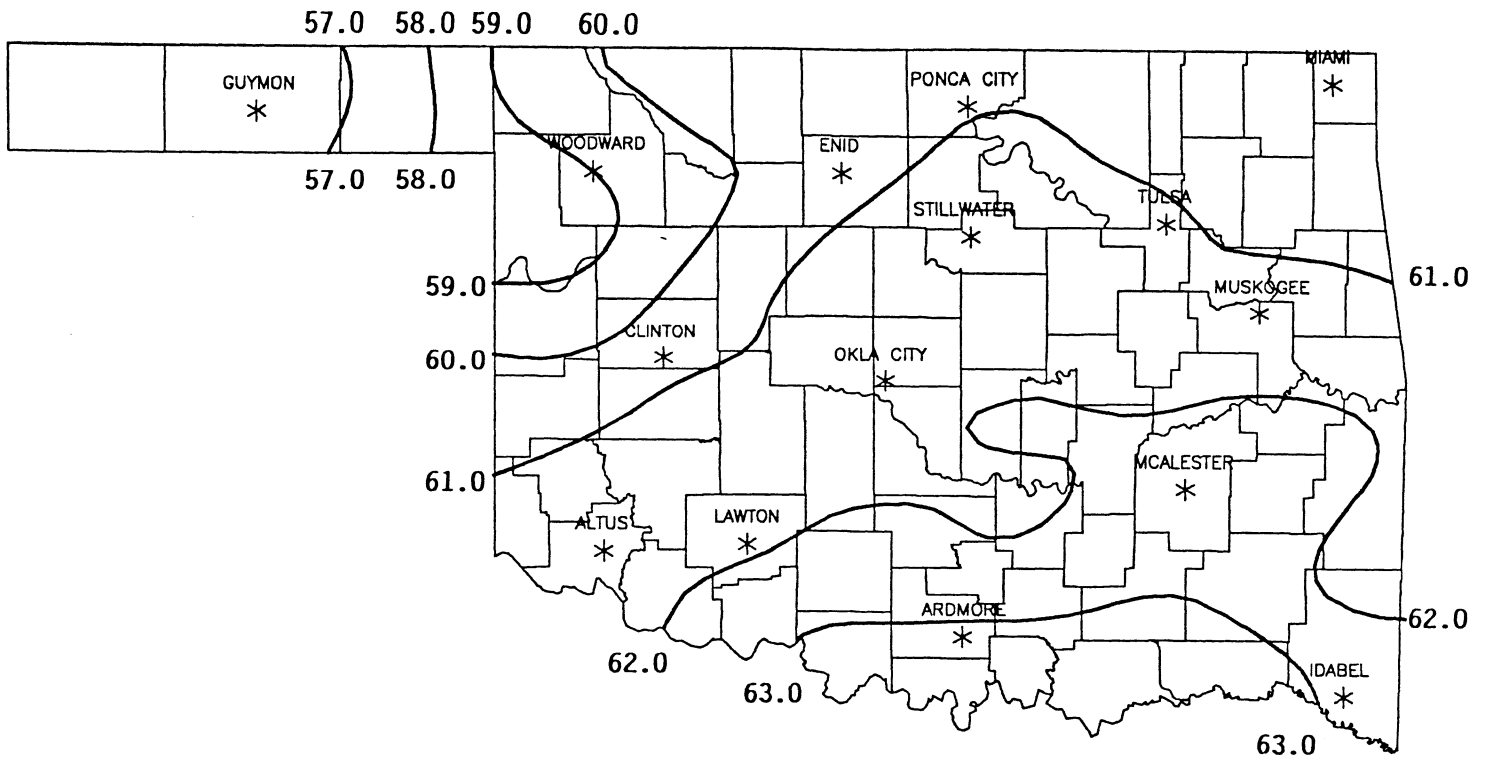
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	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP	CDD	DEP
256 ANTLERS	0	0	2	2	26	6	62	13	270	96	391	16	505	-22	457	-43	264	-27	88	10	4	4	5	5	2072	60
567 BATTIEST	0	*	*	*	9	*	*	*	204	*	319	*	454	*	364	*	204	*	47	*	0	*	1	*	*	*
980 BOSWELL	0	*	7	*	48	*	93	*	301	*	441	*	523	*	462	*	269	*	110	*	13	*	7	*	2270	*
1168 BRKEN BOW DA	0	*	0	*	11	*	41	*	259	*	405	*	526	*	457	*	258	*	63	*	0	*	0	*	2018	*
4384 HUGO	0	0	9	3	31	7	71	4	275	70	406	-5	538	-21	459	-74	280	-49	126	25	7	-2	0	0	2199	-42
4451 IDABEL	*	*	*	*	*	*	47	-7	270	84	*	*	525	1	453	-52	276	-28	80	-8	4	-5	0	0	*	*
7254 POTEAU	0	*	*	*	9	*	54	*	271	*	401	*	517	*	431	*	*	*	63	*	5	*	0	*	*	*
8285 SMITHVILLE	0	*	1	*	14	*	27	*	206	*	344	*	423	*	344	*	*	*	38	*	2	*	1	*	*	*
9023 TUSKAHOMA	0	*	7	*	30	*	72	*	276	*	393	*	544	*	443	*	240	*	103	*	6	*	7	*	2118	*
9634 WILBURTON	0	0	1	1	22	4	55	2	266	98	391	31	502	-26	449	-44	242	-35	76	3	9	9	8	8	2020	51



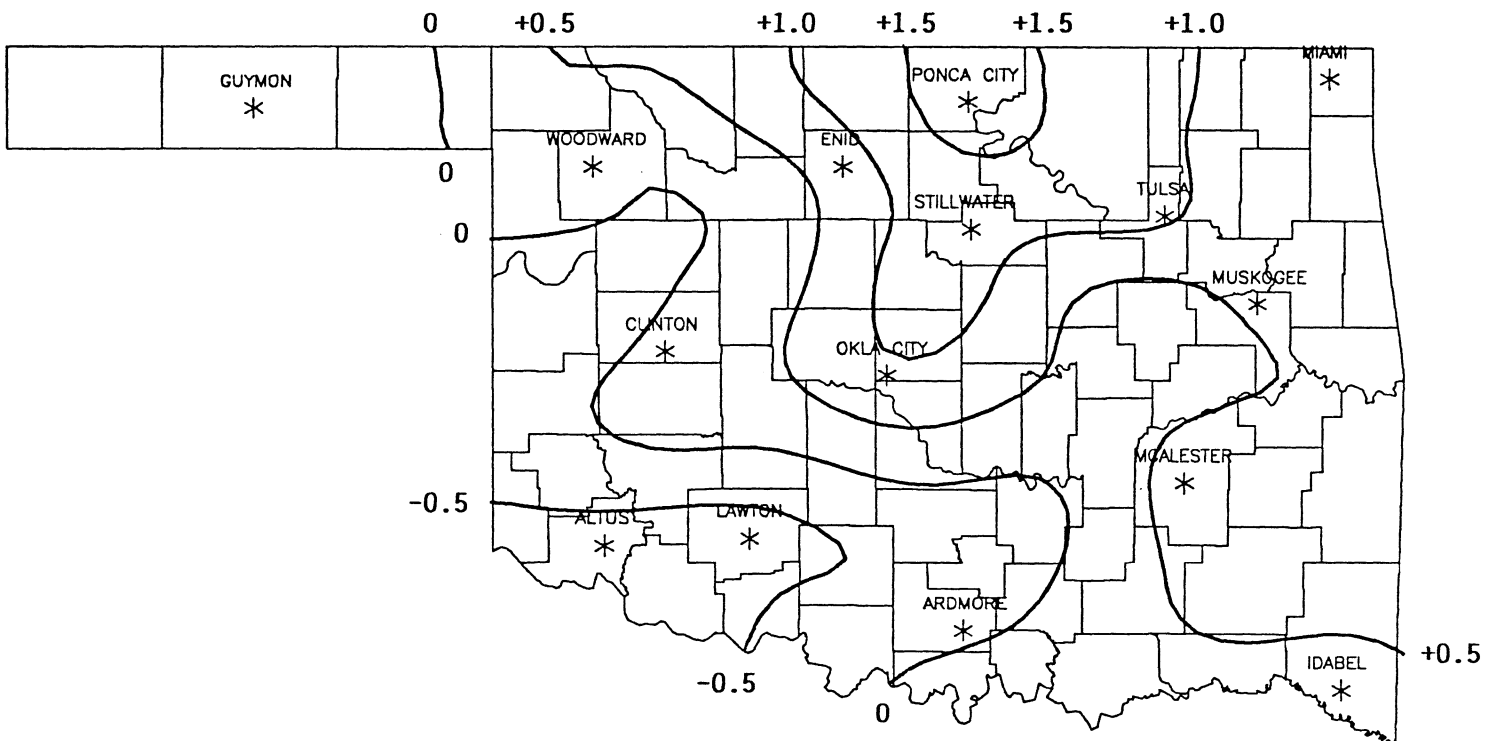
**1991 ANNUAL PRECIPITATION
(Inches)**



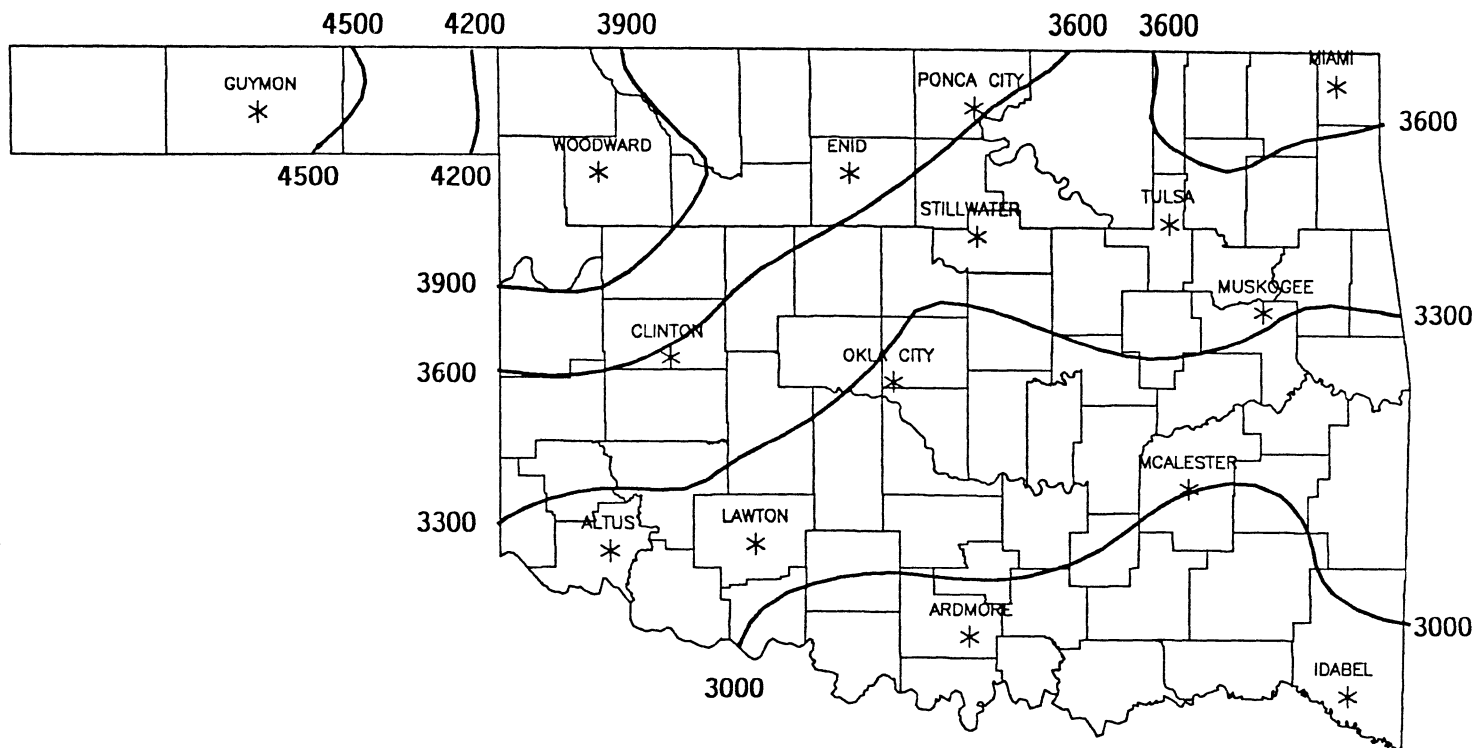
**1991 ANNUAL PRECIPITATION DEPARTURE FROM NORMAL
(Inches)**



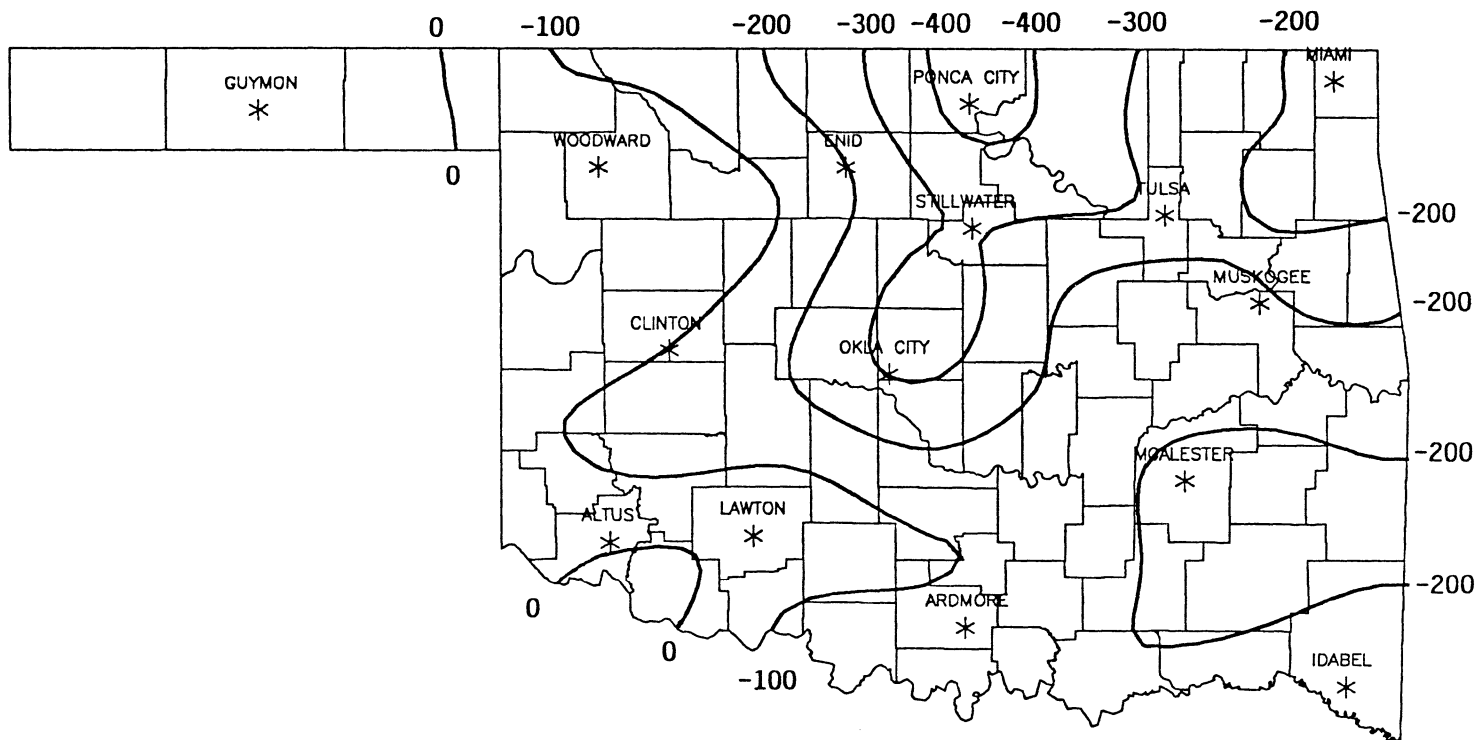
**1991 AVERAGE ANNUAL TEMPERATURE
(Degree F)**



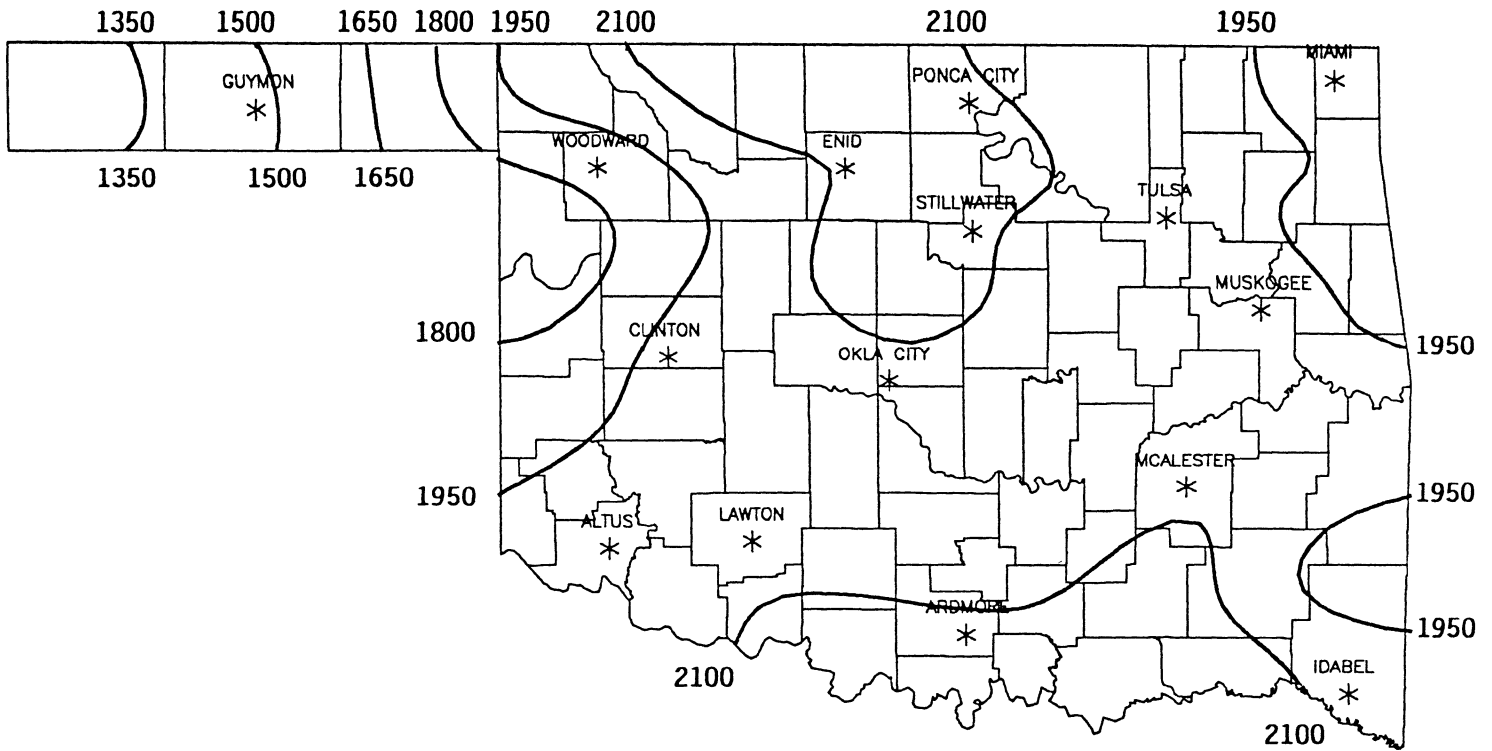
**1991 ANNUAL TEMPERATURE DEPARTURE FROM NORMAL
(Degree F)**



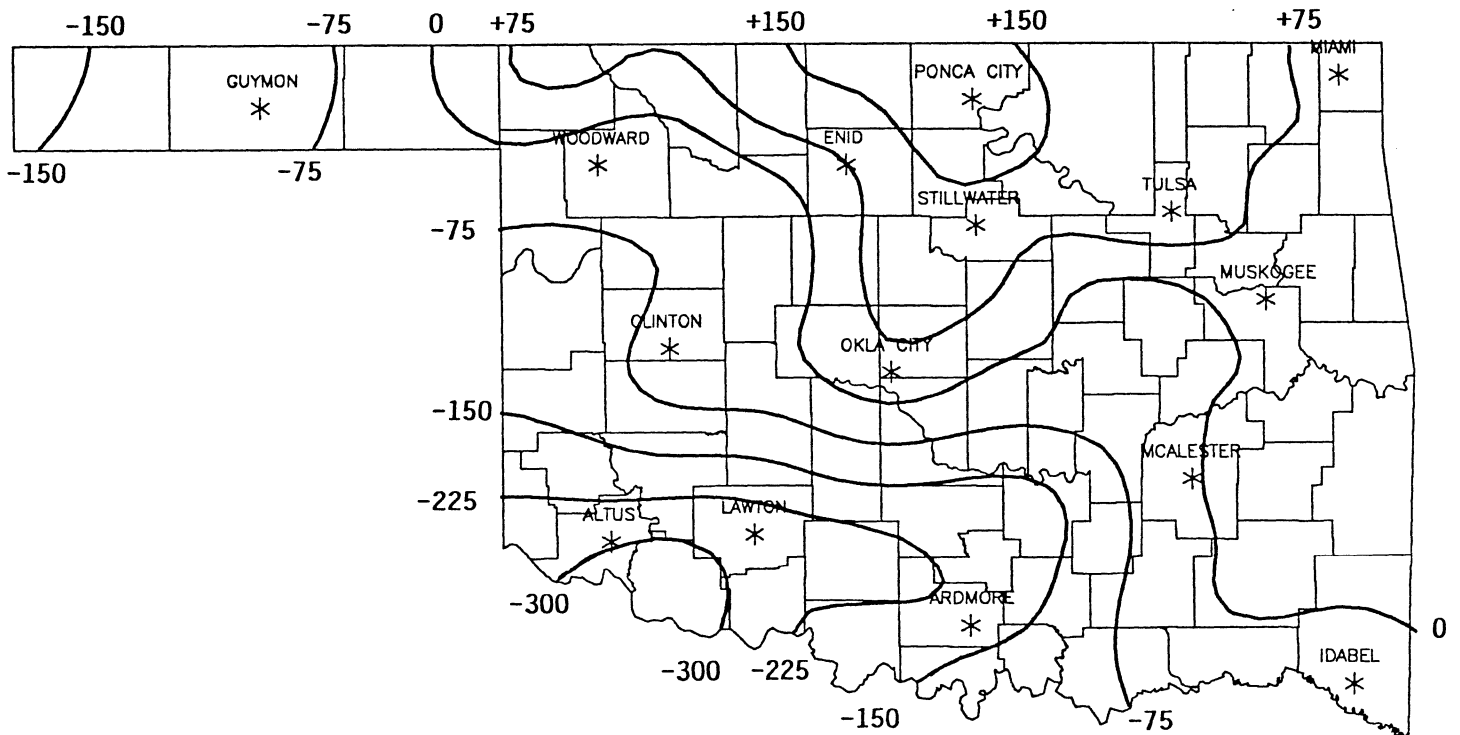
1991 ANNUAL HEATING DEGREE DAYS



1991 ANNUAL HEATING DEGREE DAYS DEPARTURE FROM NORMAL



1991 ANNUAL COOLING DEGREE DAYS



1991 ANNUAL COOLING DEGREE DAYS DEPARTURE FROM NORMAL

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