

OKLAHOMA CLIMATOLOGICAL SURVEY

710 ASP, SUITE 8
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OKLAHOMA ANNUAL SUMMARY 1985

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1985 SUMMARY OF THE YEAR

1985 contained unusual extremes of both temperature and precipitation. A brief period of unusually high temperatures combined with high relative humidities created hazardous health conditions in late May. Freezing temperatures surprised many Oklahomans in late September and wet conditions throughout the year resulted in a variety of mud and flood related problems. Based only on stations possessing complete records for the year, the warmest mean annual temperature, 63.5°F, was reported at Marietta. The coolest spot in the state was Goodwell, which recorded a mean annual temperature of 54.7 degrees, 1.8 degrees below normal. The driest spot in Oklahoma during 1985 was Sweetwater, which recorded only 24.98 inches of precipitation. The wettest location was Wagoner, which recorded 61.02 inches of rainfall during the year, 151% of normal.

There were 35 tornadoes and 32 funnel clouds reported during 1985, which resulted in no deaths and 35 injuries. There were 3 deaths and 22 injuries attributed to windstorms and lightning. Six injuries were associated with heavy snowstorms and blizzards. There were 29 flood and flash flooding events during 1985 which resulted in 8 deaths. Total economic losses associated with all storm events was estimated to range from \$16.9 to \$169 million (NWS storm summary estimates).

January 1985 was characterized by cold wet weather. A New Year's Eve rain, ice and snow storm accompanied by high winds resulted in structural damage, power outages and numerous automobile accidents. Bitterly cold air followed a fast moving cold front which dropped air temperatures 20 degrees in less than 2 hours. A snow storm closed the month with accumulations of 5 to 6 inches of snow. January extremes included a low temperature of -13°F on January 19 at Miami, a high temperature of 70°F on January 19 at Marietta and a 24-hour precipitation maximum of 2.74 inches for the period ending January 4 at Vinita.

February was abnormally wet and many locations set new February precipitation records. The snowstorm which began at the end of January eventually dumped up to 9 inches of snow on southeastern Oklahoma. February 20-24 brought nearly continuous rainfall. Four-day precipitation totals included 7.28 inches at Ramona, 7.41 inches at Ingalls, 7.65 inches at Hominy and 9.17 inches at Stella. February extremes included a low temperature of -8°F on February 6 at Waynoka, a high temperature of 79° on February 15 at Guymon and a 24-hour precipitation maximum of 7.46 inches for the period ending on February 23 at Stella.

March was a third consecutive wet month. Nearly all areas of the state indicated warmer and wetter than normal March conditions. Several new March and January through March total precipitation records were set. Extremes were a low temperature of 11°F on March 4 at Boise City, a high temperature of 90°F on March 7 at Hugo and a 24-hour precipitation maximum of 5.71 inches for the period ending March 30 at Tishomingo.

April was another in a growing series of unusually wet spring months. Severe thunderstorms containing 70 to 100 mph winds were reported in Washita County on April 4. A "freak" hail storm was reported in Buffalo on the afternoon of April 12. Hail reportedly fell for two and one-half hours in a small area surrounding Buffalo which resulted in hail accumulations of 3 to 20 inches. Later, there were reports of drifts of hail 3 to 5 feet

deep. Extremes for April included a low temperature of 23°F on April 1 at Beaver, a high temperature of 90°F on several days and at several locations and a 24-hour precipitation maximum of 7.47 inches for the period ending April 22 at Caney.

In contrast to the cool wet spring weather of earlier months, May was warm and dry across most of Oklahoma. A heat wave ended the month, which, combined with high relative humidities, produced hazardous health conditions. Fortunately, humidities dropped rapidly on May 30, a day when many new record high temperatures were reported. May extremes included a low temperature of 36°F on May 2 at Zoe, a high temperature of 109°F on May 30 at Mangum and a 24-hour precipitation maximum of 9.15 inches for the period ending on May 1 at Kansas, Oklahoma.

June witnessed the return of wet weather to the state. In contrast to earlier spring rainfall events, June thunderstorms were more local in nature with less widespread flooding. On June 4, Tulsa experienced high water after more than 6 inches of rain fell on northeastern Creek County. Ardmore recorded 9.97 inches of rain in 30 hours. A wind storm on June 4 snapped 98 power transmission poles along a narrow two-mile stretch in far northern Oklahoma City. Although there was some flooding, no other substantial wind damage was reported in the area. Extremes during June included a low temperature of 50°F on May 18 at Chattanooga, a high temperature of 105°F on May 8 at Helena and a 24-hour maximum precipitation event of 6.65 inches for the period ending May 9 at Hardy.

Below normal monthly temperatures and precipitation dominated the state during July. Locally heavy rainfall, sometimes accompanied by high winds and large hail, were reported on July 2, 4, 15, 16, 19, 21, 25 and 26. Extremes for July included a low temperature of 53°F on July 15 at El Reno, a high temperature of 108°F on July 13 at Guymon and a 24-hour maximum precipitation total of 5.5 inches for the period ending July 3 at Antlers.

August was the hottest, driest month of 1985. A swift moving hail storm damaged Stilwell homes, vehicles and business buildings. Losses were unofficially estimated at \$1 million. The local cooperative observer reported 1-1/2 to 2 inch diameter hail. The stones were observed to have jagged edges which, combined with high winds, were blamed for the unusually extensive damage from such a brief event. Extremes during August included a low temperature of 43°F on August 13 at Reydon, a high temperature of 109° on August 11 at Cherokee and a 24-hour precipitation maximum of 4.55 inches for the period ending August 13 at Hardy.

In September, unusually cool temperatures were reported in the Panhandle. A temperature of 27 degrees, which was reported at Guymon on the 30th, is expected fewer than 10 times in 100 years. Precipitation was above normal in all but east central Oklahoma. September extremes included a low temperature of 27°F on September 30 at Guymon, a high temperature of 112° on September 7 at Atoka Dam and a 24-hour precipitation maximum of 4.92 inches for the period ending on September 14 at Chelsea.

October 1985 was another cool wet month across Oklahoma. Beggs, in east central Oklahoma, reported that 12.47 inches of rain fell between 2:00 a.m. on October 13 and 7:00 a.m. on October 15. October extremes included a low temperature of 26°F at Guymon on October 31, a high temperature of 90°F on October 7 at Hollis and a 24-hour precipitation maximum of 9.11 inches for the period ending on October 14 at Beggs.

November temperatures ranged from 4 to 5 degrees below normal to more than 2 degrees above normal. Precipitation ranged from 146% above normal to 23% below the 30-year normal. A hail storm which hit Tulsa and Broken Arrow on November 13 resulted in an estimated \$37 million in damage claims for autos. The National Weather Service reported that this damage resulted from a 15-minute storm about 3:00 p.m. which dumped golf-ball size hail and almost 1-1/2 inches of rain on these locations. The first major winter storm of 85/86 moved into the state on November 30, bringing with it snow, sleet, gusty winds, hail and, eventually, sub-zero wind chill factors. Extremes for November included a low temperature of 10°F on November 30 at Miami, a maximum temperature of 83°F on November 9 at Lawton and a 24-hour precipitation maximum of 5.2 inches for the period ending on November 15 at Wilburton.

1985 ended on a dry, cool note with precipitation at most locations running at only 50.7% to 62.7% of normal. Regional mean monthly temperatures were 4 to nearly 7 degrees below normal. December extremes included a low temperature of -2°F on December 2 at Guymon, a high temperature of 80°F on December 6 at Durant and a 24-hour precipitation maximum of 2.88 inches for the period ending December 11 at Idabel.

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

		JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL
		TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	
ADA	17	33.2	-6.4	37.8	-6.9	55.6	3.2	63.5	1.0	70.8	1.1	77.0	-0.7	81.9	-0.8	82.9	1.2	75.3	0.7	62.9	-1.5	51.0	-0.8	37.5	-6.0	60.6
ALTUS IR ST	179	36.6	-2.7	41.4	-3.3	55.1	2.6	64.2	0.9	73.2	1.6	79.3	-1.2	84.8	-0.6	85.5	2.4	76.7	1.3	63.0	-1.6	50.0	-1.2	38.0	-4.8	62.2
ALTUS DAM	184	33.9	****	38.5	****	53.2	****	64.1	****	72.2	****	77.5	****	83.4	****	83.5	****	****	****	****	****	46.9	****	****	****	****
ALVA	194	30.5	****	35.6	****	51.6	****	60.8	****	70.0	****	77.5	****	82.7	-0.7	79.8	-2.2	71.6	-1.6	****	****	42.4	-5.0	****	****	****
ANTLERS	256	35.5	-4.7	42.0	-2.9	59.0	6.2	65.3	2.7	70.5	0.7	77.3	-0.2	80.6	-1.4	84.4	3.3	75.2	0.8	65.5	2.0	55.8	4.0	39.5	-4.2	62.5
ARDMORE	292	35.7	-6.8	****	****	58.6	3.5	65.2	0.0	71.9	-0.5	78.7	-1.7	82.3	-2.5	85.7	1.7	****	****	****	****	53.7	-0.6	****	****	****
ARNETT	332	31.2	-2.1	33.6	-4.6	49.4	4.0	60.5	3.1	****	****	74.1	-1.6	80.8	0.0	77.9	-1.4	78.9	0.0	56.8	-3.0	40.4	-5.3	32.1	-5.1	****
ATOKA DAM	394	34.3	****	38.9	****	57.0	****	64.3	****	71.0	****	****	****	****	****	85.5	****	77.3	****	66.6	****	54.5	****	****	****	****
BARNSDALL	535	29.5	****	****	****	54.1	****	63.3	****	70.2	****	75.7	****	81.9	****	81.8	****	****	****	****	****	46.2	****	****	****	****
BARTLESVILLE	548	29.9	-4.7	****	****	54.7	5.9	63.3	2.5	69.9	1.2	75.4	-1.6	81.7	-0.3	80.8	0.2	74.0	1.2	62.2	0.6	45.9	-2.4	32.3	-6.7	****
BEAR MT TW	584	36.5	****	41.6	****	58.9	****	63.7	****	****	****	75.5	****	80.5	****	83.9	****	****	****	****	****	****	****	****	****	****
BILLINGS	755	29.5	****	34.3	****	52.2	****	60.5	****	68.7	****	75.6	****	81.9	****	80.3	****	73.9	****	58.3	****	44.6	****	33.2	****	57.8
BLACKWELL	818	29.1	****	34.8	****	51.5	****	61.6	****	68.4	****	75.8	****	81.9	****	80.8	****	73.1	****	60.5	****	43.7	****	31.9	****	57.8
BLANCHARD	830	****	****	****	****	****	****	64.2	****	71.6	****	76.8	****	81.0	****	****	****	74.8	****	63.1	****	48.6	****	36.9	****	****
BOISE CITY	908	31.7	-2.4	36.2	-2.1	47.6	3.5	57.2	2.8	65.7	2.5	73.8	0.3	76.8	0.8	76.4	0.7	****	****	****	****	42.0	-1.9	****	****	****
BOSWELL	980	35.3	****	41.6	****	58.1	****	63.5	****	70.3	****	76.2	****	81.7	****	84.7	****	75.5	****	64.5	****	54.1	****	38.8	****	62.0
BRISTOW	1144	31.0	-5.7	36.7	-5.7	****	****	63.6	1.7	70.3	1.2	75.6	-1.6	80.8	-1.4	****	****	74.5	0.8	****	****	48.7	-1.0	****	****	****
BROKEN BOW	1168	****	****	40.9	****	****	****	62.7	****	68.8	****	77.3	****	81.0	****	83.6	****	****	****	****	****	55.8	****	****	****	****
BUFFALO	1243	32.6	-2.1	35.5	-4.9	51.4	3.4	60.9	1.2	69.5	1.0	75.0	-3.4	82.0	-1.4	80.5	-1.3	72.7	-0.4	59.7	-2.4	42.7	-4.3	33.4	-5.1	58.0
CANEY	1437	34.3	****	41.5	****	58.0	****	63.7	****	70.6	****	77.3	****	81.3	****	****	****	****	****	****	****	64.1	****	53.7	****	****
CANTON DAM	1445	****	****	****	****	49.8	0.7	61.6	1.5	69.7	1.2	74.4	-3.3	81.0	-1.9	78.5	****	****	****	****	****	43.2	-5.2	****	****	****
CARNEGIE	1504	33.7	-3.6	38.9	-3.7	54.1	3.3	63.1	1.3	72.1	2.1	78.2	-1.0	82.4	-1.3	83.7	1.4	75.4	1.0	62.3	-0.9	47.4	-2.1	36.1	-5.0	60.6
CHATTANOOGA	1706	35.7	-3.3	40.4	-3.9	55.3	3.0	63.3	0.5	72.3	1.5	****	****	83.2	-1.1	85.8	2.5	77.0	1.3	64.3	0.0	49.5	-1.5	38.0	-4.4	****
CHEROKEE P P	1724	30.3	-4.2	36.1	-3.8	52.8	4.6	****	****	71.6	2.9	79.0	0.1	85.2	1.5	82.9	0.7	****	****	****	****	43.6	-3.7	****	****	****
CHICKASAW	1745	32.5	****	38.9	****	55.6	****	63.3	****	70.2	****	77.0	****	80.8	****	84.2	****	76.6	****	63.0	****	50.9	****	35.5	****	60.7
CHICKASHA	1750	33.0	-4.8	38.0	-5.1	53.5	1.9	62.4	0.1	72.3	2.1	77.7	-1.1	82.6	-0.4	83.3	2.1	75.0	1.1	****	****	49.3	-0.7	36.6	-5.0	****
CLARENDRE	1828	29.3	-5.2	****	****	52.8	4.7	61.1	1.2	67.8	-0.1	74.4	-1.9	80.7	-0.9	79.8	-0.5	74.0	1.3	61.7	0.3	48.0	-0.4	38.8	-8.2	****
CLINTON	1909	33.7	-2.7	39.3	-2.1	53.6	4.1	64.0	3.4	72.2	3.2	78.5	0.1	84.9	1.6	84.4	2.4	75.5	1.9	61.8	-0.4	46.0	-2.5	36.7	-3.2	60.9
CUSHING	2318	30.4	-4.4	****	****	52.8	4.4	****	****	69.2	0.7	75.0	-1.1	****	****	80.4	-1.0	73.6	0.0	61.0	-1.4	47.6	-1.3	32.4	-7.1	****
DUNCAN	2660	34.0	-5.9	40.5	-4.4	****	****	64.8	1.1	72.5	1.6	77.8	-1.2	82.7	-1.1	84.3	1.3	****	****	****	****	51.4	-0.6	****	****	****
DURANT	2678	34.0	****	39.5	****	57.9	****	65.2	****	71.3	****	78.2	****	82.3	****	85.3	****	76.9	****	65.7	****	55.1	****	****	****	****
EL RENO	2818	29.7	-6.5	36.9	-4.4	51.2	1.7	61.1	0.6	69.7	1.0	74.3	-3.1	80.0	-2.5	80.6	-0.7	71.3	-2.1	59.9	-2.5	44.5	-4.0	32.7	-7.4	57.7
ELK CITY	2849	31.6	****	37.3	****	50.8	****	61.3	****	69.9	****	75.9	****	80.6	****	80.4	****	71.6	****	59.4	****	43.4	****	34.1	****	58.0
ENID	2912	29.9	-5.5	36.1	-4.6	52.4	3.3	62.2	1.8	70.7	1.7	76.9	-1.6	82.2	-1.3	79.3	-2.8	71.4	-2.4	****	****	42.4	-6.1	33.5	-5.8	****
ERICK	2944	33.9	-3.1	38.9	-3.1	51.9	2.4	61.9	1.5	70.5	2.0	76.3	-1.4	81.1	-0.8	****	****	73.5	0.4	60.5	-1.3	44.3	-4.1	34.9	-5.4	****

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	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL	
	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE		
FT SUPPLY DM 3304	****	****	33.6	-6.2	49.8	2.3	****	****	68.2	0.7	74.4	-2.5	80.7	-1.1	78.7	-1.7	****	****	****	****	39.5	-7.6	****	****	****	
FREDERICK 3353	35.3	-5.3	39.4	-6.3	54.8	1.0	66.1	1.7	74.3	2.0	79.2	-1.6	84.9	-0.9	85.5	0.9	76.2	-0.4	64.2	-1.4	49.6	-2.6	****	****	****	
FREEDOM 3358	31.4	****	35.9	****	52.8	****	62.1	****	71.2	****	77.7	****	83.1	****	****	****	72.8	****	59.9	****	43.3	****	32.4	****	****	
GAGE 3407	****	****	35.4	-2.9	49.5	3.6	60.1	2.6	68.1	1.6	75.2	-1.4	80.7	-0.8	78.7	-1.4	70.8	-0.5	57.7	-2.0	40.7	-4.6	32.9	-3.9	****	
GATE 3489	30.8	****	36.4	****	49.3	****	61.4	****	68.6	****	75.0	****	82.8	****	****	****	****	****	****	****	39.4	****	****	****	****	
GEARY 3497	31.2	-5.1	37.4	-3.7	51.5	2.2	61.5	0.8	69.9	1.0	75.3	-2.5	81.0	-2.0	80.4	-1.5	73.6	-0.2	****	****	43.0	-5.8	****	****	****	
GODDARD 3628	30.6	-2.7	33.8	-4.8	46.8	2.0	57.4	1.5	65.0	0.3	72.4	-2.2	78.9	-0.5	77.1	-0.3	67.6	-1.9	54.6	-3.8	40.0	-4.3	32.5	-4.2	54.7	
GUTHRIE 3821	31.7	-4.5	38.0	-3.3	54.6	4.8	****	****	****	****	77.7	-0.2	82.5	-0.6	83.1	1.0	76.0	1.9	62.7	-0.3	47.1	-2.2	35.4	-4.6	****	
GUYMON 3835	31.4	****	36.6	****	49.4	****	****	****	67.0	****	74.5	****	81.3	****	79.8	****	68.9	****	55.6	****	40.0	****	33.8	****	****	
HANNON 3871	31.4	-4.3	35.2	-5.7	48.7	-0.3	60.4	0.1	69.5	1.2	76.0	-2.1	82.0	-1.0	80.3	-0.8	73.0	0.5	58.7	-2.6	42.2	-5.3	32.0	-7.0	57.4	
HANNA 3884	33.0	****	38.6	****	57.6	****	64.5	****	71.0	****	77.7	****	81.9	****	83.5	****	74.8	****	****	****	51.4	****	****	****	****	
HELENA 4019	29.5	****	33.5	****	50.0	****	60.9	****	69.2	****	76.4	****	82.4	****	79.5	****	72.8	****	****	****	41.3	****	30.9	****	****	
HENNESSEY 4055	****	****	37.3	-3.3	51.9	3.0	61.3	1.1	69.0	-0.2	76.2	-2.3	82.2	-1.5	80.6	-1.7	72.1	-1.8	59.0	-3.8	44.6	-3.9	33.2	-6.1	****	
HOBART 4204	33.6	-2.6	38.9	-2.3	53.1	3.8	62.7	2.5	71.9	2.8	****	****	82.9	-0.6	83.0	0.9	74.9	1.1	****	****	****	****	****	****	****	
HOLDENVILLE 4235	32.2	-6.6	37.8	-6.3	56.0	4.3	63.6	1.4	69.6	-0.1	76.1	-1.4	80.9	-1.7	83.2	1.3	74.8	0.3	63.7	-0.4	51.0	-0.4	37.1	-5.8	60.5	
HUGO 4384	36.6	-5.7	42.5	-4.4	59.7	5.1	65.5	1.4	71.3	0.0	77.7	-1.0	81.1	-1.9	83.8	1.6	75.0	-0.8	66.5	1.3	56.5	3.1	41.2	-4.5	63.1	
IDABEL 4451	35.6	-6.4	41.2	-5.1	58.1	4.2	64.1	0.9	69.4	-1.1	77.0	-0.9	80.7	-1.2	83.7	2.4	75.3	0.4	66.0	1.9	55.8	3.2	40.4	-4.6	62.3	
JAY TOWER 4567	29.2	****	35.5	****	54.4	****	61.9	****	68.2	****	74.6	****	81.1	****	79.8	****	73.4	****	****	****	****	****	****	****	****	
JEFFERSON 4573	30.0	-4.4	35.4	-4.2	52.0	3.9	62.1	2.5	70.2	1.5	78.0	-0.7	83.1	-0.5	81.9	-0.2	73.8	0.2	****	****	****	****	****	****	****	
KANSAS 4672	29.2	****	****	****	****	****	****	****	66.8	****	****	****	79.4	****	78.1	****	71.2	****	****	****	49.6	****	33.9	****	****	
KENTON 4766	30.7	-3.7	33.5	-5.1	45.4	1.4	****	****	64.3	0.8	73.3	-0.4	78.6	0.0	75.6	-0.9	****	****	****	****	41.8	-2.1	****	****	****	
KEYSTONE 4812	****	****	33.9	****	****	****	62.0	****	69.2	****	74.8	****	79.4	****	78.6	****	****	****	****	****	47.4	****	****	****	****	
KINGFISHER 4861	31.8	-4.2	37.8	-3.4	52.8	3.2	62.5	1.7	70.6	1.2	76.5	-2.1	82.2	-1.5	82.0	-0.4	73.8	-0.3	61.2	-1.7	45.4	-3.5	33.6	-6.3	59.2	
LAKE EUFAULA 4975	31.8	****	36.1	****	55.7	****	63.5	****	69.8	****	76.3	****	83.2	****	****	****	****	****	****	****	52.1	****	****	****	****	
MADILL 5468	35.5	-5.5	41.6	-4.3	58.3	4.7	65.1	1.6	71.8	0.9	77.8	-1.1	81.9	-1.8	85.2	2.1	76.9	1.0	65.8	0.5	54.7	1.7	39.8	-5.0	62.9	
MANGUM RS ST 5509	35.2	-3.4	****	****	55.1	3.2	64.3	1.6	73.7	2.7	78.6	-1.2	84.1	0.2	85.4	2.8	****	****	****	****	48.0	-2.2	****	****	****	
MANNFORD 5522	30.1	****	36.5	****	54.7	****	64.3	****	70.7	****	75.2	****	80.1	****	80.2	****	75.1	****	****	****	47.7	****	****	****	****	
MARIETTA 5563	36.3	-4.9	42.9	-3.2	58.8	5.0	65.8	2.3	72.0	1.2	78.6	-0.1	82.7	-0.9	86.9	4.0	77.7	1.8	66.4	1.0	54.0	1.1	40.2	-4.6	63.5	
MARLOW 5581	33.7	****	39.9	****	56.0	****	63.8	****	70.7	****	76.3	****	80.8	****	83.0	****	75.4	****	63.5	****	49.5	****	37.9	****	60.9	
MCLESTER 5664	32.1	-6.0	38.1	-5.0	57.0	5.7	63.5	1.6	69.9	0.4	77.3	-0.5	81.9	-0.8	83.4	1.7	74.8	0.6	64.6	1.4	52.7	1.9	36.2	-5.8	61.0	
MCCURTAIN 5693	33.4	****	****	****	57.9	****	64.2	****	70.5	****	76.0	****	****	****	83.3	****	****	****	****	****	54.0	****	****	****	****	
MEEKER 5779	30.9	-5.6	38.6	-3.3	55.8	5.7	64.6	3.3	72.4	3.4	75.4	-1.8	****	****	****	****	****	****	****	63.1	0.6	48.7	-0.6	36.2	-4.6	****
MIAMI 5855	25.0	-9.7	33.2	-6.6	****	****	60.5	0.4	66.6	-1.3	72.5	-3.7	78.8	-2.3	75.8	-4.1	70.3	-2.3	60.2	-1.2	****	****	****	****	****	

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

		JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL
		TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	TEMP	DEPARTURE	
MUSKOGEE	6130	31.7	-6.0	****	****	56.4	5.3	****	****	70.5	1.0	76.3	-1.2	82.0	-0.6	83.0	1.5	74.7	0.5	****	****	51.3	1.2	****	****	****
MUTUAL	6139	30.5	-3.6	31.9	-7.3	48.0	1.2	59.2	1.0	67.7	0.7	74.6	-2.6	80.7	-1.9	77.3	-3.7	77.7	-3.3	57.1	-3.8	41.2	-5.4	32.4	-5.4	57.0
NEWKIRK	6278	28.4	-5.0	34.5	-4.4	52.5	5.0	62.7	3.2	69.7	1.5	75.2	-2.3	81.3	-1.2	80.2	-0.9	73.1	0.3	60.7	-1.2	44.0	-3.4	31.8	-5.8	57.6
OKEENA	6629	33.1	-3.3	36.8	-4.8	52.7	2.8	63.1	2.1	71.2	1.7	76.8	-2.2	83.7	-0.2	82.4	-0.1	75.2	0.9	60.5	-2.9	45.8	-3.2	35.5	-4.8	59.7
OKEMAH	6638	31.6	-6.3	38.1	-5.0	56.5	5.4	64.7	2.9	70.7	1.6	76.7	-0.4	81.6	-0.5	83.8	2.6	****	****	****	****	49.7	-1.0	****	****	****
OKLAHOMA CIT	6661	31.5	-4.4	37.1	-3.7	53.0	3.9	62.9	2.7	70.1	1.7	76.6	-0.4	80.9	-1.2	81.7	0.6	73.1	-0.2	61.2	-1.1	46.7	-2.1	35.1	-4.8	59.2
OKMULGEE W W	6670	32.9	-4.2	37.9	-5.1	56.5	5.2	63.8	1.5	69.8	0.5	75.9	-1.4	81.1	-0.6	83.3	2.5	****	****	****	****	50.6	0.2	****	****	****
PAULS VALLEY	6926	****	****	****	****	57.3	4.7	64.7	1.4	71.3	0.2	77.2	-2.3	82.2	-1.9	83.8	0.7	76.1	0.5	****	****	50.5	-0.9	39.1	-3.7	****
PERRY	7012	30.8	-5.5	37.0	-4.5	54.1	4.2	64.4	2.9	71.7	2.4	77.1	-1.0	81.5	-1.7	81.3	-0.8	73.3	-0.9	60.4	-3.1	43.8	-5.7	32.7	-7.7	59.0
PONCA CITY	7201	29.7	-2.7	35.2	-2.5	53.3	6.8	63.6	5.0	70.4	2.7	****	****	83.5	1.0	81.9	1.0	74.0	1.7	61.6	0.7	****	****	32.0	-4.7	****
POTEAU	7246	35.2	-4.7	40.2	-4.3	58.7	6.2	65.4	2.6	71.0	1.0	77.4	-0.3	83.3	0.6	84.0	2.5	****	****	****	****	****	****	****	****	****
PRYOR	7309	27.8	-7.1	32.4	-7.6	****	****	60.2	0.2	****	****	****	****	79.8	-1.7	****	****	72.3	-0.3	59.7	-1.7	46.9	-1.3	30.6	-8.8	****
PURCELL	7327	32.0	-4.9	38.5	-3.7	55.8	5.4	63.0	1.3	70.6	1.1	76.7	-1.2	****	****	82.9	1.0	75.5	1.3	62.9	0.0	48.7	-0.8	36.1	-4.9	****
RALSTON	7390	29.9	****	35.1	****	53.8	****	63.0	****	69.1	****	75.0	****	80.6	****	80.4	****	73.4	****	****	****	45.9	****	****	****	****
SALLISAW	7862	31.4	-7.0	37.7	-5.7	55.1	3.8	62.7	0.5	68.6	-1.1	75.8	-1.6	81.7	-0.4	81.0	0.0	74.3	0.1	****	****	52.7	2.0	****	****	****
SEMINOLE	8042	33.3	-5.8	39.1	-5.4	57.5	5.1	66.1	2.9	72.2	1.8	77.8	-0.7	82.7	-1.0	84.0	1.4	76.7	1.5	64.9	0.3	51.4	-0.3	37.6	-5.4	61.9
SPAVINAW	8380	29.2	****	35.6	****	54.9	****	62.9	****	68.6	****	74.5	****	81.4	****	81.0	****	****	****	63.0	****	49.8	****	****	****	****
SPAVINAW AG	8382	29.1	****	33.3	****	****	****	62.2	****	68.2	****	74.9	****	****	****	81.3	****	****	****	****	****	49.5	****	****	****	****
STILLWATER	8501	31.1	-4.2	35.1	-5.4	52.7	3.9	62.5	2.1	69.0	0.6	****	****	79.3	-2.8	80.3	-0.7	74.1	1.0	****	****	46.7	-2.2	****	****	****
STILWELL	8506	29.8	****	36.2	****	54.4	****	61.2	****	67.1	****	73.7	****	79.6	****	78.6	****	****	****	****	****	50.7	****	****	****	****
TAHLEQUAH	8677	29.3	-7.7	36.6	-5.5	55.8	5.8	62.4	1.3	68.1	-0.1	73.9	-2.2	80.4	-0.3	80.0	0.1	73.2	0.3	****	****	50.8	4.5	35.0	-5.8	****
TALOGA	8708	31.1	-4.0	37.1	-3.0	51.4	3.1	61.6	2.3	69.4	1.5	76.2	-1.3	81.3	-0.9	81.6	0.9	73.1	0.5	****	****	44.2	-2.8	34.5	-4.2	****
TULSA	8992	31.4	-3.8	36.6	-4.1	54.9	5.6	63.8	2.9	70.6	1.5	76.3	-1.3	83.2	0.0	81.9	0.2	75.0	1.2	63.3	0.7	48.9	-0.3	34.3	-5.5	60.0
TUSKAHOMA	9023	34.5	****	41.2	****	58.9	****	64.0	****	70.0	****	76.8	****	81.0	****	84.0	****	76.2	****	65.3	****	54.6	****	38.2	****	62.1
VINITA	9203	27.6	-6.9	34.0	-5.8	53.8	5.7	61.9	2.2	****	****	74.8	-1.2	80.7	-0.4	****	****	****	****	62.2	1.0	47.3	-0.6	32.0	-6.9	****
WAGNER	9247	30.2	-6.7	36.7	-5.5	55.7	5.2	63.0	1.5	69.4	0.2	75.4	-1.8	81.2	-1.2	81.6	0.5	74.9	1.0	64.0	0.9	50.0	-0.1	35.0	-6.4	59.8
WALTERS	9278	****	****	41.0	-4.0	57.2	4.1	64.0	0.4	73.2	1.7	78.2	-1.8	83.3	-1.2	85.7	2.0	77.0	0.8	64.8	0.0	50.2	-1.5	39.7	-3.8	****
WATONGA	9364	30.6	****	37.6	****	51.9	****	62.2	****	70.8	****	77.1	****	82.5	****	82.1	****	73.5	****	59.8	****	****	****	33.8	****	****
WAURIKA	9395	35.6	-5.4	41.3	-4.9	58.4	4.2	64.4	-0.1	72.9	1.0	77.8	-2.2	82.4	-2.3	84.5	0.7	76.9	0.4	65.8	0.3	52.6	0.0	39.8	-4.8	62.7
WEATHERFORD	9422	31.5	-5.0	35.5	-6.2	****	****	62.3	1.5	71.2	1.9	77.3	-1.0	82.3	-0.7	82.1	0.5	74.8	1.1	74.8	1.1	45.0	-3.9	32.6	-7.6	****
WEBBER FALLS	9445	30.3	-5.6	34.7	-6.1	****	****	****	****	68.6	-0.4	****	****	81.0	-1.1	80.2	-0.5	74.4	0.9	74.4	0.9	51.4	2.1	****	****	****
WICHITA MT	9629	33.0	-4.7	****	****	53.8	2.9	62.5	0.7	71.8	2.6	77.0	-0.7	82.6	0.0	82.7	1.2	****	****	****	****	45.9	-3.6	****	****	****
WILBURTON	9634	32.7	-6.6	39.2	-4.8	57.7	5.9	63.8	1.7	69.7	0.5	75.9	-1.1	79.5	-2.5	79.5	-2.5	79.5	-2.5	79.5	-2.5	50.8	-0.1	50.8	-0.1	63.2

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

		JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Annual
		PRECIP	DEPARTURE	PRECIP	DEPARTURE	PRECIP	DEPARTURE	PRECIP	DEPARTURE	PRECIP	DEPARTURE	PRECIP	DEPARTURE	PRECIP	DEPARTURE	PRECIP	DEPARTURE	PRECIP	DEPARTURE	PRECIP	DEPARTURE	PRECIP	DEPARTURE	PRECIP	DEPARTURE	
ADA	17	2.32	0.96	2.42	0.54	6.44	3.54	4.52	0.75	2.17	-3.46	7.05	3.32	0.74	-1.95	4.02	0.93	2.67	-1.34	11.12	7.20	2.38	-0.17	1.51	-0.43	47.38
ALLEN	147	1.95	****	3.23	****	8.17	****	5.46	****	2.17	****	5.87	****	0.65	****	3.65	****	3.54	****	****	****	4.34	****	1.92	****	****
ALTUS IR ST	179	0.51	-0.27	1.86	0.94	3.88	2.60	3.10	1.07	1.92	-2.73	6.31	5.37	1.15	-0.77	1.51	-0.73	4.71	1.86	5.02	2.47	1.06	0.04	0.70	-0.17	33.75
ALTUS DAM	184	1.41	0.79	2.22	1.28	3.79	2.49	3.27	1.29	0.39	-4.39	6.41	2.93	1.79	-0.81	2.11	-0.02	****	****	****	****	1.41	0.39	****	****	****
ALVA	194	0.43	****	2.65	****	5.34	****	4.76	****	4.79	****	3.50	****	1.37	-1.22	3.46	0.59	6.15	3.68	****	****	1.35	0.15	****	****	****
AMBER	200	0.72	****	1.70	****	6.80	****	4.34	****	1.59	****	6.27	****	1.80	****	3.87	****	4.01	****	4.24	****	2.95	****	0.23	****	36.52
ANTLERS	256	1.43	-0.77	2.35	-0.40	6.36	2.79	7.21	2.10	6.88	0.94	3.98	0.01	8.73	5.56	0.36	-2.87	6.25	0.98	7.33	3.42	9.29	6.11	0.00	-3.02	68.17
ARCADIA	268	2.05	****	4.32	****	5.13	****	5.58	****	2.93	****	7.13	****	1.36	****	3.26	****	5.12	****	6.63	****	2.62	****	****	****	****
ARDMORE	292	****	****	****	****	4.65	1.70	3.85	-0.02	2.53	-2.11	6.78	3.51	2.56	0.26	0.66	-1.87	****	****	****	****	1.45	-0.79	****	****	****
TINKER AFB	325	3.16	****	5.52	****	5.22	****	5.34	****	2.38	****	10.04	****	1.89	****	2.86	****	4.60	****	5.32	****	3.18	****	0.45	****	49.97
ARNETT	332	0.42	-0.01	2.01	1.34	2.65	1.35	3.85	2.07	****	****	3.79	0.50	0.76	-1.33	3.28	0.79	3.79	1.88	4.64	2.83	1.17	0.08	0.44	-0.19	****
ASHLAND	364	2.76	****	2.86	****	9.51	****	4.99	****	3.21	****	3.45	****	3.80	****	3.06	****	1.35	****	****	****	6.78	****	2.77	****	****
ATOKA DAM	394	2.03	****	4.80	****	6.69	****	11.04	****	4.03	****	****	****	****	****	2.86	****	1.70	****	4.81	****	5.40	****	****	****	****
AVANT	418	1.02	****	6.65	****	3.54	****	5.05	****	3.86	****	7.37	****	****	****	****	****	****	****	****	****	****	****	****	****	****
ALTUS AFB	447	1.22	****	2.03	****	2.65	****	3.89	****	****	****	7.99	****	0.73	****	****	****	4.15	****	****	****	0.22	****	0.29	****	****
BARNSDALL	535	3.30	2.10	****	****	6.02	2.91	8.84	5.55	3.80	-1.47	13.60	9.06	2.13	-1.07	1.37	-1.60	****	****	****	****	5.97	3.65	****	****	****
BARTLESVILLE	548	2.91	1.75	****	****	4.21	1.49	5.42	2.10	4.29	-0.38	12.39	8.30	1.11	-1.88	1.90	-1.12	6.24	2.11	3.63	0.42	6.61	4.36	0.62	-0.86	****
BEAR MT TW	584	2.67	0.00	4.17	0.80	5.87	1.43	5.21	0.11	****	****	4.23	0.61	3.80	-1.05	2.83	-1.55	****	****	****	****	7.41	3.69	****	****	****
BEGGS	631	1.73	****	3.78	****	6.63	****	4.91	****	2.79	****	****	****	3.49	****	0.49	****	****	****	****	****	3.41	****	****	****	****
BENGAL	670	2.37	****	4.95	****	5.36	****	5.95	****	3.18	****	3.61	****	1.24	****	2.28	****	5.76	****	****	****	9.39	****	****	****	****
BILLINGS	755	1.03	0.12	3.44	2.22	2.72	0.65	2.84	-0.08	1.49	-3.11	9.34	5.23	2.98	-0.62	4.32	1.43	4.77	0.55	3.60	1.13	3.06	1.17	0.66	-0.56	40.19
BIXBY	782	3.67	2.22	****	****	****	****	4.76	0.85	3.90	-0.75	7.22	2.48	1.86	-1.35	1.98	-0.81	****	****	****	****	4.30	1.57	****	****	****
BLACKWELL	818	0.89	****	4.42	****	1.60	****	4.60	****	1.83	****	4.57	****	4.43	****	2.20	****	3.90	****	3.74	****	2.98	****	0.12	****	35.20
BLANCHARD	830	****	****	****	****	****	****	4.77	****	2.21	****	8.82	****	0.48	****	4.43	****	6.51	****	5.36	****	2.99	****	0.41	****	****
BOISE CITY	908	0.62	0.26	0.25	-0.24	2.79	1.97	0.51	-0.84	0.68	-1.75	2.47	0.48	2.16	-0.44	3.60	1.22	****	****	****	****	0.48	-0.15	****	****	****
BOKCHITO	917	2.80	****	3.00	****	5.42	****	7.54	****	3.34	****	6.37	****	6.86	****	0.80	****	1.76	****	8.58	****	3.97	****	0.00	****	49.64
BOSWELL	980	2.44	0.34	4.05	1.27	5.57	2.25	4.08	-0.49	5.95	1.00	3.67	0.05	3.66	1.01	0.83	-1.85	4.61	-0.30	8.92	5.22	5.39	2.36	1.02	-1.62	50.21
BOYTON	1027	2.53	****	2.97	****	8.23	****	6.07	****	3.87	****	6.60	****	0.65	****	1.26	****	3.33	****	12.48	****	3.67	****	3.39	****	55.06
BRAMAN	1075	1.38	****	4.26	****	2.26	****	4.53	****	2.90	****	4.02	****	5.25	****	1.88	****	5.29	****	****	****	4.48	****	****	****	****
BRISTOW	1144	1.13	-0.02	6.10	4.49	****	****	6.34	2.79	2.83	-2.90	5.87	1.51	2.23	-1.33	0.72	-1.90	3.54	-0.46	****	****	4.77	2.44	****	****	****
BROKEN BOW	1162	1.91	-1.12	4.00	0.71	8.98	4.51	6.58	1.25	2.97	-2.72	4.33	0.52	2.69	-1.18	1.38	-1.58	2.21	-2.51	****	****	7.33	3.31	****	****	****
BROKEN BOW D	1168	****	****	4.56	****	8.99	****	6.12	****	5.17	****	5.35	****	4.95	****	0.61	****	****	****	****	****	7.33	****	****	****	****
BUFFALO	1243	0.23	-0.30	3.51	2.59	2.10	0.39	6.69	4.62	3.99	-0.40	8.10	4.50	1.67	-1.65	2.93	-0.41	4.32	1.52	5.05	3.10	1.25	-0.08	0.50	-0.19	40.34
BURBANK	1256	1.93	****	****	****	3.57	****	4.83	****	3.33	****	8.15	****	1.13	****	1.37	****	6.46	****	****	****	1.66	****	0.67	****	****
CALVIN	1391	3.12	1.72	2.45	0.55	8.45	5.08	5.41	0.98	4.26	-1.56	4.18	-0.35	0.89	-2.66	2.19	-0.39	3.32	-1.00	10.26	6.55	3.95	1.26	2.50	0.54	51.00
CANEY	1437	1.71	****	4.45	****	6.17	****	12.67	****	2.15	****	7.85	****	2.74	****	1.46	****	****	****	5.97	****	5.43	****	****	****	****
CARNASAW TW	1499	2.43	-0.74	****	****	****	****	6.28	0.80	5.28	-1.06	4.69	0.66	5.24	1.10	1.03	-2.07	2.90	-2.09	****	****	7.89	2.81	****	****	****