U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
IN COOPERATION WITH SOUTHERN OKLAHOMA DEVELOPMENT ASSOCIATION
CLIMATOGRAPHY OF THE UNITED STATES NO. 20 - 34

LATITUDE: 34° 01' N
LONGITUDE: 96° 23' W
ELEV. (GROUND): 675 feet

CLIMATOLOGICAL SUMMARY

STATION: Durant, Oklahoma

MEANS AND EXTREMES FOR PERIOD 1941 - 1970

Month	Temperature (°F) Means: Daily maximum	Daily minimum	Monthly	Extremes: Record highest	Year	Record lowest	Year	** Mean degree days	Precipitation Totals (Inches): Mean	Greatest daily	Year	Snow, Sleet: Mean	Maximum monthly	Year	Greatest depth	Year	Mean number of days: Precip. .10 inch or more	Temperatures Max. 90° and above	Max. 32° and below	Min. 32° and below	Min. 0° and below	Month
(a)	30	30	30	30		30		30	30	69		30	30		23		18	21	21	21	21	
Jan.	53.2	31.0	42.1	85	1943	-3	1949	691	1.86	3.82	1916	1.5	7.0	1964	7	1964	4	0	2	17	0	Jan.
Feb.	58.1	34.8	46.5	85	1956	-4	1951	518	2.75	3.15	1938	1.2	9.6	1951	7	1961	4	0	1	12	*	Feb.
Mar.	65.3	41.7	53.3	92	1956	7	1943	381	3.04	3.20	1934	0.4	7.6	1942	3	1964	6	*	*	6	0	Mar.
Apr.	75.6	52.0	63.8	94	1950+	28	1957	123	5.01	5.15	1917	0	0		0		6	1	0	1	0	Apr.
May	82.3	59.6	70.9	98	1953	37	1960+	12	5.29	5.37	1958	0	0		0		6	4	0	0	0	May
June	90.0	67.4	78.7	106	1954+	46	1954	0	4.01	3.96	1964	0	0		0		5	18	0	0	0	June
July	95.1	70.4	82.8	111	1954	52	1953	0	2.98	5.35	1903	0	0		0		4	26	0	0	0	July
Aug.	96.1	69.5	82.8	113	1956	52	1967	0	2.56	7.40	1926	0	0		0		4	26	0	0	0	Aug.
Sep.	88.1	62.0	75.0	105	1952+	34	1942	0	4.48	4.23	1967	0	0		0		6	13	0	0	0	Sep.
Oct.	78.4	52.0	65.3	98	1963	23	1948	99	3.40	5.05	1920	0	0		0		4	2	0	*	0	Oct.
Nov.	65.8	40.9	53.5	88	1952	9	1950	372	2.74	4.14	1934	T	1.0	1952	T	1951	4	0	0	7	0	Nov.
Dec.	55.8	33.2	44.5	87	1955	5	1950	608	2.35	5.83	1927	0.4	5.0	1958	3	1963	4	0	1	15	0	Dec.
Year	75.3	51.2	63.3	113	Aug.	-4	Feb.	2804	40.47	7.40	Aug.	3.5	9.6	Feb.	7	Jan.	57	90	4	58	*	Year

(a) Average length of record, years.

T Trace, an amount too small to measure.

** Base 65°F

\+ Also on earlier dates, months, or years.

* Less than one half.

THE CLIMATE OF DURANT AND BRYAN COUNTY

Durant, the County Seat and largest town in Bryan County is located on U.S. Highways 69,70 and 75 and State Highways 48 and 78 in south-central Oklahoma. Oklahoma City is located 147 miles northwest of Durant and Dallas 95 miles south-southwest. The County's rich black soil continues to make Durant dependent primarily on its surrounding farm lands. Nearby attractions include Lake Texoma with its 95,000 acres of water and more than 1,000 miles of shoreline, Lake Texoma State Park which covers 2,600 acres and includes Texoma Lodge, individual cottages, a golf course, a swimming pool, camp grounds, picnic areas, lake excursions and other facilities for relaxation and recreation. Fort Washita, which was one of a number of forts in Indian Territory designed to protect the relocated Five Civilized Tribes from the marauding bands of Plains Indians, is located in Bryan County. Southeastern State College, offering 4-year degree programs in Education and Arts and Sciences, is located at Durant.

The climate of Bryan County is moist subhumid, which means the normal yearly precipitation is in excess of that needed for plant growth. The average annual precipitation at Durant is slightly over 40 inches, nearly 70 percent of which falls during the warm season from April through October. The rainfall reaches a maximum in May, decreases through the summer and increases to a secondary maximum in September. Much of the rainfall stems from thunderstorms which occur on 50 days of a normal year.

The average daily maximum temperature for the months of June, July and August is 94 degrees; the average daily minimum temperature for the same months is 69 degrees. There are 15 days from June through September of a normal year on which the daily maximum temperature is 100 degrees or higher. Refrigerated-type air conditioning is recommended for maximum indoor comfort and for traveling during the summer months. The record maximum temperature at Durant is 118 degrees on August 10, 1936.

The winters in Bryan County are usually mild although there are infrequent cold spells. Approximately 50 percent of the daily minimum temperatures are 32 degrees or less from December through February, but freezing temperatures continue throughout only 4 days of a normal year. The temperature has dropped to zero or less on only 1 day in the past 21 years at Durant. The record minimum temperature of -6 degrees at Durant was observed on January 22, 1918 and on January 18, 1930.

The average yearly snowfall in Bryan County is between 3 and 4 inches with nearly 80 percent of it falling in January and February. There are about 3 days of a normal year when measurable snowfall occurs including 2 days with 1 inch or more of snow. The record seasonal snowfall of 12.5 inches at Durant occurred in 1963-1964.

The prevailing yearly wind direction in Bryan County is south-southeast, but northerly winds prevail with about the same frequency as southerly winds during the months of December January, and February. The average monthly wind speed varies from 10 m.p.h. in July, August, September, and October to 14 m.p.h. in March and April.

The average monthly relative humidity at 6 a.m. varies from 75 percent in March to 85 percent in May, June and September; the average monthly relative humidity at 6 p.m. varies from 45 percent in March, July and August to 60 percent in December. During an average year, 140 clear days, 95 partly cloudy days and 130 cloudy days provide the Bryan County area with nearly 70 percent of the year's total possible sunshine.

The average number of days each year with VFR flight weather is 325 at 6 a.m. and 345 at 6 p.m. The best flying weather prevails in July and August and the worst in January and February.

Severe storms have occurred in Bryan County during all months of the year, but have occurred most frequently during the spring months. Since 1875, 23 tornadoes are known to have struck in the County.

The average length of the growing season (freeze-free period) in Bryan County is 223 days. The average date of the last spring freeze is March 30 and the average date of the first fall freeze is November 8. Freezing temperatures have occurred as late as April 22 and as early as October 9. The following table shows the probability (in percent) of a temperature of 32°, 28° and 20° occurring after the given spring date and before the given fall date:

Temperature	10%	25%	50%	75%	90%
	Last Spring Freeze				
32° and below	Apr.16	Apr. 8	Mar.30	Mar.21	Mar.13
28° and below	Mar.31	Mar.24	Mar.15	Mar. 6	Feb.27
20° and below	Mar.11	Feb.26	Feb.12	Jan.29	Jan.16
	First Fall Freeze				
32° and below	Oct.24	Oct.31	Nov. 8	Nov.15	Nov.22
28° and below	Oct.30	Nov. 9	Nov.19	Nov.30	Dec. 9
20° and below	Nov.23	Dec. 3	Dec.15	Jan. 5	--

--The probability of a 20 freeze occurring each year is less than this percent.

Billy R. Curry
Climatologist for Oklahoma
National Weather Service
809 Post Office & Courthouse Building
Oklahoma City, Oklahoma 73102
December 10, 1971

TOTAL PRECIPITATION (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1941	0.46	3.11	0.81	6.99	4.38	5.36	0.89	4.54	1.13	13.42	1.21	2.21	44.51
1942	0.57	1.50	1.36	11.82	2.56	4.34	0.92	3.03	2.81	3.86	5.54	2.77	41.08
1943	0.11	0.83	3.86	4.35	10.74	4.85	T	T	2.53	1.62	1.12	4.74	34.75
1944	2.38	7.08	1.90	2.65	8.34	1.04	2.86	3.22	0.29	4.50	4.64	3.74	42.64
1945	1.91	7.89	8.15	7.01	3.17	12.89	6.88	4.02	6.24	4.33	1.58	0.66	64.73
1946	3.10	5.64	3.14	4.05	7.03	2.99	1.12	6.32	4.36	0.26	11.60	3.33	52.94
1947	0.81	0.44	3.34	5.25	4.38	2.50	1.13	3.16	2.71	2.32	2.66	5.27	33.97
1948	1.96	3.00	1.50	0.97	7.90	2.55	6.61	0.02	0.02	2.09	0.67	1.17	28.46
1949	7.09	3.50	2.70	2.47	4.74	4.33	1.72	0.56	7.01	5.91	0.06	2.20	42.29
1950	3.80	3.86	0.24	3.44	10.23	1.65	8.48	7.08	3.43	0.31	0.19	T	42.71
1951	1.38	3.95	1.10	1.78	3.10	11.11	2.22	0.27	3.94	4.06	2.80	0.46	36.17
1952	0.56	2.30	3.55	7.30	3.23	0.11	4.51	0.48	0.82	0.16	5.61	2.26	30.89
1953	0.45	2.57	4.46	8.32	4.20	1.24	10.56	2.57	4.58	4.50	2.84	1.87	48.16
1954	2.20	0.55	0.76	2.65	7.77	3.11	0.17	2.50	2.61	10.10	0.52	3.99	36.93
1955	2.19	2.49	2.02	3.50	8.33	1.07	7.33	4.04	6.16	0.64	0.09	0.73	38.59
1956	1.17	3.08	1.24	2.68	2.23	3.27	0.26	0.73	0.00	2.33	3.17	2.41	22.57
1957	1.24	2.24	4.89	14.30	7.70	5.10	0.58	1.88	11.08	2.19	8.03	1.72	60.95
1958	3.73	1.12	3.92	4.15	8.67	4.28	2.28	1.48	4.95	0.51	1.80	0.91	37.80
1959	0.79	0.95	3.68	3.99	3.94	3.54	5.64	3.54	2.49	6.50	0.49	3.78	39.33
1960	1.46	2.85	1.76	1.35	3.07	1.40	3.27	4.24	4.55	3.67	0.63	6.03	34.28
1961	0.23	1.78	3.39	0.97	4.29	4.51	2.33	1.11	5.15	4.98	5.20	2.21	36.15
1962	1.99	1.28	2.55	3.72	1.77	10.71	3.23	2.67	7.38	5.75	4.29	1.28	46.62
1963	0.65	0.30	4.31	2.71	0.51	2.89	2.78	0.97	0.31	0.15	1.09	2.46	19.13
1964	1.38	2.15	5.13	3.47	6.16	6.00	0.24	5.04	7.71	0.28	5.16	1.12	43.84
1965	--	3.99	--	--	--	--	--	--	--	1.66	3.49	0.99	--
1966	1.89	4.17	1.66	9.88	0.74	2.76	2.31	4.34	5.32	0.60	0.75	1.96	36.38
1967	0.30	0.70	2.50	10.66	5.65	2.22	3.27	0.30	10.09	2.87	1.13	2.68	42.37
1968	5.78	1.24	6.99	5.19	7.73	5.64	3.74	0.93	6.64	2.88	4.51	2.67	53.94
1969	3.41	3.78	4.32	4.62	8.44	3.00	0.12	2.56	4.53	5.68	0.62	3.70	44.78
1970	0.96	4.38	2.90	5.18	2.55	1.80	0.93	2.60	11.05	4.03	0.85	1.25	38.48

AVERAGE TEMPERATURE (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1941	45.4	43.6	49.8	63.4	73.6	76.4	83.3	82.6	78.4	68.6	52.6	47.2	63.7
1942	39.8	45.8	54.2	64.1	70.4	78.9	83.0	83.1	73.2	63.6	57.4	44.9	63.2
1943	42.8	50.2	49.9	67.0	72.0	80.6	84.9	88.8	75.8	64.2	53.0	42.2	64.3
1944	43.6	49.2	53.8	64.2	70.8	80.8	84.1	85.4	76.0	66.8	57.0	42.6	64.6
1945	42.8	45.9	58.4	61.5	69.0	77.0	78.8	78.5	74.4	61.4	59.5	40.5	62.3
1946	43.4	50.3	58.8	66.9	67.9	75.6	82.5	82.3	72.6	66.6	54.5	50.7	64.3
1947	43.4	41.4	48.6	63.1	69.2	78.6	81.0	84.2	76.6	70.2	48.9	45.2	62.5
1948	35.0	42.7	49.3	68.4	70.3	79.4	81.0	81.6	74.1	60.3	48.9	43.6	61.2
1949	33.5	40.8	49.1	58.4	69.9	78.0	--	80.9	71.8	63.3	53.9	44.6	--
1950	43.6	46.6	50.0	62.4	71.3	77.8	77.7	77.6	71.6	67.5	51.1	42.6	61.7
1951	42.6	46.8	53.8	61.6	69.5	76.6	82.7	87.3	75.6	65.9	49.4	46.3	63.2
1952	52.0	51.2	52.5	59.2	69.7	83.4	83.4	88.5	77.8	--	55.4	44.9	--
1953	49.1	49.2	59.2	60.3	--	86.6	81.5	80.3	74.1	66.6	51.5	43.2	--
1954	43.1	55.2	54.0	68.5	68.0	80.1	88.4	85.3	--	66.9	54.0	47.2	--
1955	44.2	45.9	55.2	67.6	74.3	76.8	84.1	80.1	78.6	66.8	--	45.6	--
1956	42.4	48.5	56.2	63.7	76.6	81.4	88.0	87.6	79.5	69.4	51.6	48.8	66.1
1957	40.6	51.9	52.2	62.4	70.7	78.4	86.3	--	74.4	60.5	50.0	--	--
1958	43.3	43.1	47.6	61.4	71.8	78.8	81.5	82.1	75.6	63.6	54.8	42.2	62.1
1959	41.2	46.2	54.3	62.1	73.4	77.6	79.3	--	--	62.2	45.5	47.1	--
1960	41.5	40.7	45.4	65.6	69.9	80.0	81.4	81.1	76.4	67.1	56.3	41.3	62.3
1961	40.7	47.9	59.1	62.2	69.1	74.6	79.7	79.2	73.4	64.6	51.5	44.0	62.2
1962	37.4	51.7	52.4	61.6	75.1	76.9	82.4	83.2	74.6	69.2	53.7	45.4	63.6
1963	36.9	45.2	59.9	68.3	72.9	81.2	84.3	84.5	77.4	71.9	58.0	36.8	64.8
1964	44.5	42.8	52.4	66.4	71.4	79.0	85.4	84.0	75.0	62.7	--	--	--
1965	--	45.1	--	--	--	--	--	--	75.7	64.3	60.3	51.4	--
1966	39.2	45.3	56.5	62.3	69.8	77.2	84.3	78.6	71.5	62.8	56.6	41.4	62.1
1967	45.3	44.6	60.8	67.1	68.6	79.1	79.5	80.3	70.8	63.6	51.5	43.0	62.9
1968	41.4	42.9	53.7	63.4	70.3	77.4	79.8	81.5	72.1	64.9	51.7	44.1	61.9
1969	44.7	46.9	47.8	64.2	70.6	77.5	86.4	83.6	75.0	--	58.3	45.1	--
1970	38.4	46.8	50.3	64.3	71.0	77.7	82.3	84.2	76.7	61.6	51.5	--	--

STATION HISOTRY

Continuous weather observations have been made at Durant since the weather station was established in August 1901 at latitude 33° 59' N and longitude 96° 23" W. The observing equipment has been located at 10 different sites, each within a mile and one-half of the post office at ground elevations varying from 643 feet to 685 feet m.s.l. The equipment has always included a maximum and a minimum thermometer installed approximately 5 feet above the ground in a louvered shelter which permits free circulation of air, plus a standard 8-inch nonrecording precipitation gage. The maximum and minimum temperatures and precipitation for the 24-hour period ending at observation time each day is published monthly in the U.S. Department of Commerce publication , Climatological Data- Oklahoma.