U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
IN COOPERATION WITH THE INDUSTRIAL ECONOMICS
RESEARCH DIVISION, TEXAS ENGINEERING EXPERIMENT STATION, TEXAS A&M UNIVERSITY

CLIMATOLOGICAL SUMMARY

LATITUDE 30° 35' N
LONGITUDE 96° 21' W
ELEV. (GROUND) 314

STATION COLLEGE STATION, TEXAS

MEANS AND EXTREMES FOR PERIOD 1933-1962

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 daily	Year	Mean number of days: Precip. .10 inch or more	Temperatures Max.: 90° and above	32° and below	Min.: 32° and below	0° and below	Month
(a)	30	30	30	30		30		30	30	30		30	30		30		10	10	10	10	10	
Jan	61.2	40.9	51.1	84	1943	-3	1949	461	2.86	2.97	1934	0.3	6.0	1949	6.0	1949	5	0	*	8	0	Jan
Feb	64.8	44.3	54.6	88	1954	5	1951	336	2.93	3.34	1955	T	T	1962+	T	1962+	5	0	0	4	0	Feb
Mar	71.9	50.3	61.1	96	1946	17	1943	229	2.67	4.02	1934	T	T	1962+	T	1962+	4	0	0	2	0	Mar
Apr	79.1	57.2	68.2	96	1933	31	1940	50	3.75	3.50	1942	0.0	0.0				6	1	0	0	0	Apr
May	86.3	64.9	75.6	98	1958	42	1954	0	4.44	4.04	1939	0.0	0.0				4	11	0	0	0	May
Jun	92.6	71.1	81.9	105	1936+	56	1955	0	3.72	6.00	1936	0.0	0.0				5	23	0	0	0	Jun
Jul	95.7	73.2	84.5	109	1954+	62	1936	0	2.88	3.49	1936	0.0	0.0				3	29	0	0	0	Jul
Aug	96.8	72.8	84.8	107	1962+	58	1940	0	2.56	9.89	1947	0.0	0.0				4	28	0	0	0	Aug
Sep	90.8	67.9	79.4	105	1939	42	1942	0	3.30	4.63	1958	0.0	0.0				5	21	0	0	0	Sep
Oct	82.5	58.9	70.7	102	1938	32	1957	27	2.84	5.13	1957	0.0	0.0				5	6	0	*	0	Oct
Nov	70.4	47.8	59.1	90	1948	24	1959+	230	3.31	3.38	1944	0.1	3.0	1937	3.0	1937	5	0	0	2	0	Nov
Dec	63.8	43.4	53.6	85	1955	16	1950	390	3.50	3.37	1944	*	0.5	1945	0.5	1945	5	0	0	5	0	Dec
Year	79.6	57.7	68.7	109	Jul 1954+	-3	Jan 1949	1723	38.76	9.89	Aug 1947	0.4	6.0	Jan 1949	6.0	Jan 1949	56	119	0	21	0	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.

CLIMATE OF BRYAN-COLLEGE STATION, TEXAS AREA

The Bryan-College Station community is the principal urban center of Brazos County which is located in East Central Texas. It is located near the center of population in Texas. Within a radius of 175 miles are Houston, Beaumont, Dallas, Fort Worth, Waco, Austin, and San Antonio. Brazos County, located at the confluence of the Brazos and Navasota Rivers, is level to rolling with sandy and clay soils. It is partly in prairie, partly wooded (post oak, pin oak, live oak, mesquite, hickory, elm, pecan, sycamore, and cottonwood). The elevation varies from about 200 to 370 feet. The diversified income of the area is derived from agriculture, livestock, industry, and educational institutions. College Station is the site of the main branch of Texas A & M University.

The climate of the Bryan-College Station area is relatively mild. From May through September, prevailing southeasterly winds from off the Gulf of Mexico produce a modified marine type climate with high humidities and small temperature changes. From November through March, frequent cold fronts produce a more continental climate with frequent temperature changes. Cold spells are the most severe from about mid-December to early March. They occur with greatest frequency in January and February. October and April are transitional months. The average annual temperature is 69° F. The winter average is 53°; and the summer average, 84°. The most uncomfortable portion of the year is July-August, when maxima above 90° occur almost daily, and occasionally maxima above 100° occur. The highest temperature ever recorded in College Station was 110° in July 1903, and again in July 1917. The lowest temperature was 3° below zero in January 1949.

The average annual rainfall for Bryan-College Station is 38.76 inches, but wide variations occur from year to year. The greatest annual amount was 56.10 inches in 1957 and the least was 16.66 inches in 1917, the latter occurring during the most severe drought of record in the State. Rainfall is fairly evenly distributed throughout the year with the average for each month greater than 2.50 inches. The peak season for rainfall is the late spring and early summer, when thundershowers are most frequent. The most persistent rains are generally associated with warm fronts and stationary fronts during the colder season and with tropical lows during the early fall.

Snows are quite rare in the Bryan-College Station area, and years may pass without so much as a trace. When show does fall, it usually melts as it falls, with little or no accumulation on the ground.

The winters are mild, and the area has a long growing season, with 274 days between the average date of the last spring freeze, March 1, and the average date of the first fall freeze, November 30. The temperature drops as low as 28° only about 2 years out of 3 before January 1, and about 9 years out of 10 after January 1.

Bryan-College Station receives about 65 per cent of the total possible sunshine annually. This varies from about 70 per cent July through August to about 50 per cent December through February. Annual relative humidity is about 70 per cent with only small monthly variations.

Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1933	58.0	48.8	63.0	69.8	79.0	81.0	84.6	84.4	83.3	74.8	63.8	60.0	70.9
1934	53.1	54.1	58.6	70.6	75.8	84.9	87.2	86.3	79.0	75.6	64.2	53.4	70.2
1935	55.0	54.3	67.7	70.0	74.4	81.8	84.8	85.8	77.1	73.4	58.3	50.6	69.4
1936	49.0	45.8	65.2	65.2	73.7	83.0	81.2	83.6	79.4	65.2	54.8	55.0	66.8
1937	50.2	54.8	56.6	68.2	77.4	83.7	85.3	87.2	80.4	70.6	56.4	52.4	68.6
1938	53.3	59.8	67.7	67.0	74.8	81.6	83.6	84.0	79.0	72.7	58.0	54.4	69.7
1939	53.8	53.1	62.4	68.1	76.3	82.0	85.6	85.6	82.2	72.4	56.6	55.9	69.5
1940	41.0	53.4	62.6	67.3	74.2	78.6	82.6	83.6	77.6	71.2	58.8	55.2	67.2
1941	54.6	51.3	55.6	68.5	75.8	80.8	83.7	84.6	80.6	75.9	58.2	55.3	68.7
1942	48.5	52.4	60.0	68.0	74.9	81.6	82.8	84.4	76.2	70.0	63.4	54.6	68.1
1943	51.0	58.2	56.0	70.2	76.1	80.9	84.6	85.2	78.0	69.0	58.6	51.4	68.3
1944	51.0	59.8	60.9	69.0	74.0	82.6	86.2	86.0	79.0	70.0	61.2	50.2	69.2
1945	51.6	57.3	67.6	68.7	74.6	82.8	84.4	84.4	79.4	67.6	65.7	51.8	69.7
1946	50.7	56.4	63.6	70.8	75.4	79.3	84.4	85.0	78.4	72.0	61.0	54.6	69.3
1947	48.8	48.2	55.6	69.0	74.6	82.8	83.8	84.8	79.6	75.8	57.2	53.2	67.8
1948	44.6	53.2	61.0	72.1	76.4	84.6	85.4	86.8	79.1	70.8	60.1	57.8	69.3
1949	48.4	56.8	61.2	64.8	78.0	81.0	83.5	82.3	79.7	71.0	61.0	56.7	68.7
1950	58.7	58.5	59.7	66.5	76.4	79.8	82.8	83.8	78.1	73.0	61.5	54.7	69.5
1951	52.7	55.3	63.4	67.8	74.7	82.8	86.8	88.4	80.0	72.4	57.7	56.8	69.9
1952	59.6	57.3	58.6	63.9	72.9	82.0	84.1	86.9	79.5	64.9	57.2	50.7	68.1
1953	54.8	53.7	66.2	66.5	75.4	84.7	83.9	83.2	78.6	70.4	57.7	48.3	68.6
1954	51.9	58.4	58.4	71.3	71.9	82.1	85.7	84.3	80.5	71.0	57.5	54.9	69.0
1955	51.5	53.6	62.2	71.5	77.8	79.2	84.3	83.7	81.7	70.5	59.6	52.8	69.0
1956	51.4	56.1	60.8	67.5	78.3	82.3	86.2	85.5	80.9	73.5	56.5	56.2	69.6
1957	51.0	60.5	58.8	66.6	75.7	81.4	86.4	84.4	77.0	66.0	57.8	56.4	68.5
1958	48.9	49.3	55.3	67.4	76.7	84.4	86.2	85.4	79.3	68.0	60.9	48.5	67.5
1959	48.6	54.1	59.2	65.2	77.5	81.8	83.7	83.3	80.8	70.3	53.1	53.3	67.6
1960	49.1	47.7	54.6	69.8	73.8	83.4	85.1	83.5	78.5	71.5	61.2	48.8	67.3
1961	45.8	54.9	63.4	65.6	75.3	79.0	80.9	81.0	78.9	69.2	56.5	52.0	66.9
1962	44.7	59.9	57.0	67.5	76.8	80.3	85.0	87.7	79.7	73.2	59.1	51.6	68.5

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1933	3.22	3.56	2.64	1.91	5.26	0.29	5.46	4.69	3.23	1.66	1.09	3.49	36.50
1934	9.79	2.66	6.24	6.55	0.48	0.04	0.79	1.22	4.15	0.86	5.39	5.71	43.88
1935	2.02	2.61	1.26	3.07	10.40	1.65	3.60	1.30	5.98	2.03	3.04	4.83	41.79
1936	0.21	2.10	0.84	3.69	8.07	6.61	6.66	1.36	5.13	2.21	1.90	1.87	40.65
1937	5.01	0.49	4.28	1.36	0.95	2.91	1.46	1.04	0.74	6.32	3.49	3.25	31.30
1938	4.34	1.62	5.41	4.60	2.89	4.02	3.23	1.93	0.82	1.08	2.74	2.23	34.91
1939	4.44	5.36	0.98	0.93	6.41	1.79	1.96	0.96	1.22	2.26	3.05	5.10	34.46
1940	1.00	4.25	0.92	4.20	4.46	8.97	3.55	0.87	1.89	2.26	8.27	8.62	49.26
1941	1.55	3.64	6.63	1.91	3.06	6.39	5.49	2.76	2.67	6.75	1.61	2.12	44.58
1942	0.56	1.15	1.27	7.79	3.91	5.36	2.58	3.05	6.17	2.05	5.18	2.32	41.39
1943	2.98	0.18	2.17	0.67	7.04	1.76	5.66	0.50	3.14	0.77	2.44	3.19	30.50
1944	6.97	4.18	3.96	0.30	10.70	1.52	0.95	5.82	2.84	0.15	8.89	7.26	53.54
1945	2.83	2.66	2.87	3.02	1.63	3.76	2.58	8.11	1.70	3.66	0.27	1.39	34.48
1946	3.20	3.27	3.72	3.53	7.49	6.69	0.58	2.72	4.88	5.27	6.34	2.94	50.63
1947	3.32	0.98	5.54	1.22	8.39	1.90	2.64	12.60	0.26	0.33	2.65	4.07	43.90
1948	1.58	3.17	1.36	2.58	2.92	1.74	2.51	0.66	1.00	0.05	1.74	1.86	21.17
1949	6.05	3.59	3.05	6.19	0.87	3.98	3.26	0.89	3.31	8.40	0.06	7.35	47.00
1950	1.30	3.62	2.84	5.26	5.52	6.26	2.81	0.73	2.15	0.33	0.12	0.10	31.04
1951	0.61	2.54	5.44	1.38	2.91	1.51	0.52	0.51	4.53	0.53	2.54	1.34	24.36
1952	2.48	3.60	1.39	4.98	7.21	0.74	2.17	T	2.22	0.00	7.17	5.17	37.13
1953	2.26	3.25	2.84	7.08	7.61	3.73	1.70	2.26	2.64	4.98	3.59	4.91	46.85
1954	1.29	1.17	0.67	4.23	5.33	0.54	3.42	0.43	2.14	3.72	1.51	2.47	26.92
1955	2.01	6.20	0.80	2.32	3.15	3.66	1.38	1.78	1.03	0.37	0.85	1.53	25.08
1956	3.15	3.37	1.34	1.54	3.01	1.71	2.08	1.22	0.63	1.03	2.24	1.77	23.09
1957	0.93	2.70	5.68	12.50	3.49	2.02	2.05	3.79	5.59	9.77	4.78	2.80	56.10
1958	3.05	2.72	1.58	4.17	1.99	2.40	7.06	1.66	12.13	2.90	2.23	1.48	43.37
1959	0.34	4.46	0.66	6.37	5.24	3.46	2.89	6.29	2.27	4.42	0.74	4.24	41.38
1960	1.99	2.88	1.34	4.42	1.90	9.81	1.82	3.13	0.32	6.55	6.95	4.46	45.57
1961	4.75	5.01	1.56	1.39	0.23	8.11	5.45	1.84	8.35	1.30	3.70	2.33	44.02
1962	2.65	0.80	0.73	3.38	0.67	8.21	0.06	2.61	5.74	3.19	4.60	4.75	37.39

T - Trace

STATION HISTORY

Rainfall and temperature records began on the campus of Texas A & M College in May 1882. Records were sporadic from 1882 to 1907, and no records were kept for 1908 and 1909. Records are continuous since 1910. The station was relocated on the Texas Agricultural Experiment Station main farm, 7 miles southwest of the College Station Post Office, in January 1954, then closed April 30, 1958. Rainfall and temperature observations were also taken in Bryan, at 2310 23rd Street, from September 1, 1913 to March 31, 1917, with John Daly, Jr., as observer. A weather station was established at the College Station FAA Airport (then called Bryan CAA Airport) in August 1951. Weather records in this climatological summary are from the site on the Texas A & M campus, 1933-1951, and from the College Station FAA Airport Station, 1952-1962. Records from 1882 to 1930 are published in CLIMATIC SUMMARY OF THE UNITED STATES, Section 33; 1931 to 1952 records are published in the CLIMATIC SUMMARY OF THE UNITED STATES - SUPPLEMENT FOR 1931 THROUGH 1952; and data for subsequent years are published in the TEXAS CLIMATOLOGICAL DATA bulletin.

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