U. S. DEPARTMENT OF COMMERCE
Environmental Science Services Administration

In cooperation with
Cotton Economic Research and
Bureau of Business Research of
The University of Texas at Austin

CLIMATOGRAPHY OF THE UNITED STATES NO. 20-41

LATITUDE 30° 51' N
LONGITUDE 96° 59' W
ELEV. (GROUND) 390 ft.

CLIMATOLOGICAL SUMMARY

STATION CAMERON, TEXAS

MEANS AND EXTREMES FOR PERIOD 1938 - 1967

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		12	30	30		30			12		12	12	12	12	12	
Jan	60.8	38.2	49.5	90	1943	6	1940	498	2.46	4.01	1965	0.4	4.0	1944+	0		4	0	1	12	0	Jan
Feb	65.2	42.1	53.7	90	1954	5	1951	346	2.70	2.90	1949	0.1	2.0	1940	0		5	0	*	6	0	Feb
Mar	72.6	48.1	60.4	95	1967	15	1943	195	2.09	2.25	1939	0	0		0		4	1	0	2	0	Mar
Apr	79.7	56.7	68.2	100	1963	31	1940	45	4.29	4.62	1966	0	0		0		6	1	0	0	0	Apr
May	85.8	64.3	75.1	99	1945	42	1954	3	3.71	3.30	1939	0	0		0		5	10	0	0	0	May
Jun	92.0	70.5	81.3	102	1967+	52	1955	0	2.99	4.57	1960	0	0		0		5	24	0	0	0	Jun
Jul	96.0	73.0	84.5	110	1939	58	1967	0	1.28	3.62	1943	0	0		0		2	30	0	0	0	Jul
Aug	96.6	72.4	84.5	107	1962+	57	1940	0	1.91	3.70	1955	0	0		0		3	29	0	0	0	Aug
Sep	90.9	67.2	79.1	107	1939	41	1942	1	3.29	5.80	1961	0	0		0		6	19	0	0	0	Sep
Oct	82.7	57.9	70.3	106	1938	31	1957	37	2.81	7.60	1957	0	0		0		4	5	0	*	0	Oct
Nov	71.1	47.4	59.3	91	1955	21	1938	194	3.06	3.40	1954	0	0		0		5	*	0	2	0	Nov
Dec	63.7	40.8	52.3	88	1955	15	1950	409	2.79	3.40	1942	T	T	1939	0		5	0	*	7	0	Dec
Year	79.8	56.6	68.2	110	Jul. 1939	5	Feb. 1951	1728	33.38	7.60	Oct. 1957	0.5	4.0	Jan. 1944+	0		54	119	1	29	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.

THE CLIMATE OF CAMERON, TEXAS

Cameron, located in Central Texas approximately 77 miles northeast of Austin via U.S. Highways 77 and 79, is the county seat and commercial center of Milam County. The western portion of Milam County is Blacklands while the eastern portion is rolling to hilly East Texas Timberlands. Coal is strip-mined from large lignite deposits: oil, sand, gravel and stone are produced also. Farm income is evenly divided between crops and livestock. Beef cattle, poultry, grain sorghums, milk (dairying), hogs and greenhouse tomatoes are produced. Small industries are located at Cameron, Rockdale and Thorndale. A large aluminum plant is located at Rockdale. Tourist attractions include Fort Sullivan, Indian battlegrounds, sites of Spanish missions and trading posts. Milam County is drained by the Little River, the San Gabriel, and the Brazos. Elevations range from 250 to 600 feet mean sea level.

The climate of Cameron is humid subtropical with hot summers. Tropical maritime air masses control the climate of the region during the spring, summer and fall seasons. During the winter and early spring, frequent surges of polar and arctic air causes sudden drops in temperature and add considerable variety to the daily weather. There is a wide range between annual temperature extremes, characteristic of a continental environment. Total annual precipitation averages 33.38 inches. Except for a mid-summer dry period, rainfall is fairly evenly distributed throughout the year. Prevailing winds are southerly the year round. The strongest persistent winds occur in March and April. Relative humidity is rather uniform throughout the year but may vary considerably during the day. Average annual relative humidity is 82 percent at 6:00 a.m., 55 percent at noon, and 54 percent at 6:00 p.m., Central Standard Time. The Cameron area receives about 62 percent of the total possible sunshine during an average year. Mean lake evaporation is estimated at 55 inches annually.

Winter: Temperatures are mild and periods of cold weather usually do not last longer than about 48 hours. There is often considerable cloudiness in the morning with the overcast breaking up about noon followed by sunny skies and warmer temperatures during the afternoon. Precipitation most often falls in the form of light, steady rain. Snowfall is insignificant, often melting as rapidly as it falls.

Spring: This season furnishes a variety of weather, particularly in March. Warm and cool spells of short duration follow each other in rapid succession. Thundershower activity increases significantly in April and reaches a peak in May. Late spring or early summer thunderstorms may be accompanied by damaging winds and hail; however, such occurrences are rare. April is the wettest month of the year. Spring is a pleasant time of year.

Summer: Daytime temperatures are hot and there is little variety in the day-to-day weather. Thundershowers occur on an average of four days each month which help to break hot spells into short periods. Early morning and evening temperatures are normally pleasant but mid-day temperatures generally are too hot for much outdoor recreation except for water sports. Refrigerated-type air-conditioning is recommended for maximum comfort indoors.

Fall: Temperatures continue rather warm through September with the daily maximum 90°F or above about 63 percent of the time. Precipitation increases as cool fronts begin to penetrate the area once again and an occasional tropical depression moves northwestward from the Gulf of Mexico. Thundershower activity increases in September, then decreases throughout October and November. Moderate temperatures, low wind velocities, and long uninterrupted periods of fair weather make the fall season ideally suited for all types of outdoor activities except swimming.

The growing season (freeze free period) at Cameron is 254 days. The mean dates of the last occurrence of 32°F in the spring and the first occurrence in the fall are March 12 and November 22, respectively.

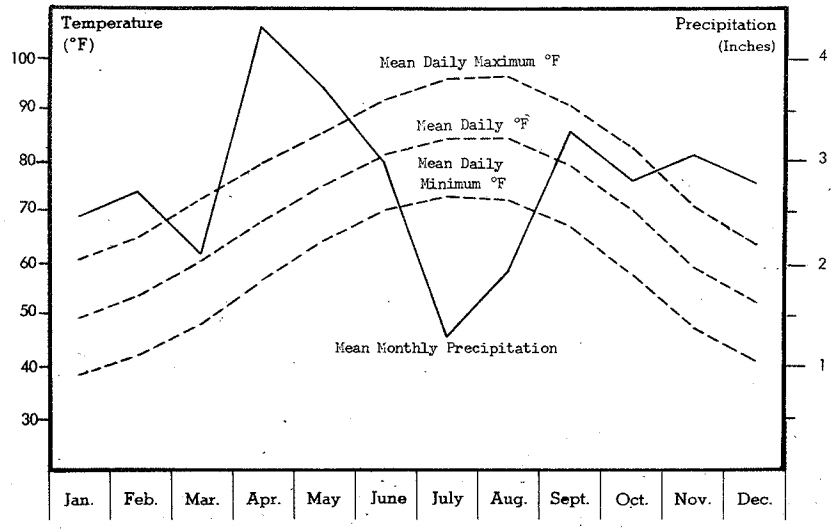
CAMERON, TEXAS

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1938	5.01	1.97	1.13	6.33	2.93	3.51	1.69	0.64	0.84	0.60	1.61	1.67	27.93
1939	3.68	2.33	2.91	0.98	5.76	2.64	1.29	1.39	0.10	2.00	2.37	1.59	27.04
1940	0.87	3.80	0.82	6.44	5.16	6.53	1.11	0.81	2.76	1.86	10.71	3.72	44.59
1941	1.96	3.12	3.17	3.56	5.02	4.96	4.15	1.01	1.76	3.34	1.65	3.31	37.01
1942	0.46	1.43	0.54	7.21	2.84	3.47	0.77	3.28	2.21	2.44	3.66	4.58	32.89
1943	1.26	0.04	2.56	2.74	5.29	2.40	4.02	0.36	4.18	1.43	1.89	1.96	28.13
1944	6.54	3.69	4.45	1.47	6.16	2.07	2.38	4.26	2.98	0.92	5.90	6.33	47.15
1945	2.59	2.71	4.13	3.09	2.49	5.12	3.55	5.46	4.91	3.57	1.54	3.59	42.75
1946	4.65	1.86	5.85	5.58	7.90	1.62	0.11	4.33	4.87	1.64	6.48	1.47	46.36
1947	3.67	0.87	3.20	3.77	3.49	2.76	0.40	4.25	1.43	0.11	-	3.73	-
1948	2.28	-	1.17	2.37	4.68	1.84	1.65	1.73	0.63	0.59	1.16	1.43	-
1949	8.14	3.31	2.39	9.38	0.62	2.07	0.39	1.13	1.18	6.66	0	4.60	39.87
1950	1.08	3.98	1.06	5.23	4.66	3.78	0.16	1.18	5.01	1.07	0.19	0.36	27.76
1951	0.06	3.47	3.45	1.50	2.98	2.87	T	0.10	3.72	1.41	1.33	1.26	22.15
1952	0.93	3.38	2.29	5.55	4.19	0.65	1.93	0.14	0.68	0	6.37	3.62	29.73
1953	2.09	2.16	2.50	3.21	5.61	2.78	1.42	3.93	2.55	7.49	2.41	5.97	42.12
1954	1.59	0.85	0.40	2.29	3.02	0	1.38	0.09	0.47	1.59	3.55	0.41	15.64
1955	2.45	4.70	2.34	3.54	2.80	3.81	0.38	4.26	1.17	0.18	0.58	1.87	28.08
1956	2.24	3.31	0.42	1.59	3.41	0.73	0.04	1.30	0.83	2.52	2.02	1.57	19.98
1957	0.98	2.68	5.88	9.67	2.80	4.48	0.50	0.42	7.42	11.52	4.63	1.38	52.36
1958	1.37	4.12	1.78	6.02	3.41	3.74	1.02	2.21	7.39	2.02	1.19	2.05	36.32
1959	0.49	2.41	0.49	4.56	2.89	1.97	2.07	2.62	2.07	4.42	2.55	3.50	30.04
1960	1.40	2.97	1.31	5.28	0.63	8.63	1.11	3.42	0.86	9.11	4.92	6.00	45.64
1961	3.82	3.22	0.90	1.90	0.60	5.13	3.18	0.11	7.18	2.23	1.99	3.97	34.23
1962	1.66	1.63	0.69	4.52	1.43	6.42	0.03	0.02	4.95	4.29	4.03	2.91	32.58
1963	0.59	2.59	0.73	1.96	0.78	1.19	0	0.45	2.65	1.18	2.13	2.12	16.37
1964	3.04	1.92	2.90	1.44	0.90	1.95	0.50	2.93	9.26	1.97	2.81	1.18	30.80
1965	5.98	5.30	1.25	3.44	9.81	1.26	0.27	1.10	3.12	3.05	5.80	3.92	44.30
1966	2.63	3.65	0.93	11.63	4.66	0.98	2.13	3.59	8.03	0.63	0.23	1.10	40.19
1967	0.36	0.97	0.98	2.32	4.29	0.24	0.78	0.65	3.52	4.50	5.04	2.45	26.10

T - Trace

Monthly Temperatures and Precipitation



CAMERON, TEXAS

Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1938	52.0	58.6	66.0	65.6	74.6	81.4	84.4	85.4	80.4	72.4	56.0	51.8	69.0
1939	51.1	48.8	60.4	68.0	76.6	81.2	86.6	85.6	82.6	75.5	57.8	54.2	69.0
1940	37.8	50.5	60.6	66.0	73.1	77.0	81.4	83.2	77.2	69.4	55.4	51.4	65.2
1941	51.0	48.5	52.7	65.7	73.8	78.4	81.2	82.7	79.6	72.6	55.4	52.7	66.2
1942	45.8	49.8	58.2	67.0	73.4	81.2	82.4	83.8	76.0	68.2	62.8	52.6	66.8
1943	48.9	57.0	56.1	70.8	76.0	83.2	84.6	83.8	77.2	67.8	56.5	49.2	67.6
1944	47.8	56.6	59.0	67.2	72.4	81.8	84.8	84.7	77.8	68.8	59.2	47.0	67.3
1945	48.8	54.0	65.6	66.8	73.8	80.6	82.4	84.5	78.5	64.9	62.4	48.1	67.5
1946	48.4	54.2	61.3	68.4	73.6	78.1	82.6	85.3	77.2	71.0	59.1	55.8	67.9
1947	48.6	47.8	54.2	67.1	73.4	82.2	83.8	82.4	79.0	75.9	56.0	52.0	66.9
1948	43.2	55.2	59.4	71.9	76.1	83.8	86.1	86.5	78.6	69.6	59.4	56.1	68.8
1949	48.4	54.4	60.6	64.1	78.6	81.8	85.6	83.3	79.9	69.7	62.2	53.9	68.5
1950	55.8	56.6	59.0	65.9	76.0	80.6	83.4	83.8	79.2	74.5	62.0	54.2	69.3
1951	52.4	55.9	64.4	69.0	75.5	83.2	88.0	89.5	81.1	72.7	56.9	56.3	70.4
1952	59.4	58.5	59.6	64.4	72.7	82.1	84.0	87.7	79.6	65.9	59.0	50.9	68.7
1953	57.1	54.4	66.4	66.9	75.4	84.9	84.8	84.0	78.5	70.7	56.9	49.2	69.1
1954	51.5	59.1	60.1	72.6	72.3	83.1	87.4	86.5	82.3	72.7	58.9	56.0	70.2
1955	51.5	53.2	62.5	70.9	77.4	78.7	85.1	83.7	81.5	71.2	60.5	53.8	69.2
1956	51.9	56.5	62.4	68.7	78.2	82.7	86.8	86.4	80.3	73.7	56.9	56.2	70.0
1957	51.3	60.7	59.3	66.1	74.8	79.9	85.8	84.2	76.4	65.3	57.4	57.3	68.2
1958	49.0	49.0	55.0	66.7	75.2	82.7	85.0	84.7	78.8	67.7	59.9	49.0	66.9
1959	49.0	53.4	59.9	65.2	76.9	81.4	84.1	83.5	80.2	69.8	53.3	54.3	67.6
1960	50.2	48.4	54.5	70.4	73.7	82.3	84.2	83.0	79.0	71.7	61.3	48.6	67.3
1961	46.1	55.0	63.2	64.4	74.2	78.2	81.6	81.6	78.6	69.4	56.8	52.1	66.8
1962	45.2	60.8	58.0	67.6	76.8	79.9	84.9	87.1	80.2	73.6	59.0	51.3	68.7
1963	43.4	51.6	65.3	73.3	77.6	82.8	86.1	86.3	80.6	74.7	62.2	44.9	69.1
1964	51.2	48.6	60.8	71.1	76.6	81.3	85.8	86.9	79.5	67.3	62.9	53.8	68.8
1965	54.8	50.8	55.0	71.4	75.1	80.7	83.5	82.7	78.5	65.6	64.3	53.8	68.0
1966	44.6	49.4	60.1	69.3	74.4	79.6	84.6	82.1	77.1	68.0	64.1	51.9	67.1
1967	52.3	53.0	67.4	74.8	73.6	82.5	83.8	82.6	75.6	68.8	59.8	50.4	68.7

STATION HISTORY

A climatological station was established at Cameron in February 1908. The station has been moved several times, but each location has been within one and one-half miles of the Cameron Post Office building. The station was moved to its present location at the City Water Plant, 0.2 mile east-southeast of the post office on February 24, 1942. Alvin Hefft, Cooperative Observer, was appointed June 15, 1953. Temperature and precipitation data are published monthly in CLIMATOLOGICAL DATA-TEXAS. Records have been fairly complete since May 1921. Station equipment consists of a cotton region shelter, maximum and minimum thermometers and a standard 8-inch rain gage. Station index number: 41-1348-03.

Weather Bureau State Climatologist
Environmental Science Services Administration
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Single copies of this summary are available without charge from the Bureau of Business Research, The University of Texas, Austin, Texas 78712. Quantity rates upon request.