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 32° 44' N
LONGITUDE 99° 18' W
ELEV. (GROUND) 1438 ft.

CLIMATOLOGICAL SUMMARY

STATION ALBANY, 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	32° and below	Min.: 32° and below	0° and below	Month
(a)	30	30	30	30		30		12	30	30		30	30				12	12	12	12	12	
Jan	57.3	29.4	43.4	92	1943	-8	1947	697	1.17	2.27	1939	1.1	12.0	1966			3	0	2	21	0	Jan
Feb	61.5	33.2	47.4	92	1956	0	1951	524	1.38	3.16	1957	1.1	8.5	1961			3	*	1	15	0	Feb
Mar	69.5	38.8	54.2	98	1967+	3	1943	373	1.18	3.84	1938	0.3	4.8	1962			2	2	*	9	0	Mar
Apr	79.4	50.3	64.9	103	1955	25	1945	112	2.79	4.73	1957	0.1	2.5	1938			4	6	0	1	0	Apr
May	85.5	58.9	72.2	108	1967	35	1967+	23	4.21	2.86	1941	0					6	12	0	0	0	May
Jun	93.2	67.4	80.3	109	1960+	49	1964+	2	2.71	3.40	1941	0					5	22	0	0	0	Jun
Jul	97.9	70.4	84.2	114	1954	52	1952	0	2.41	5.80	1953	0					3	28	0	0	0	Jul
Aug	98.7	69.3	84.0	114	1964+	50	1961	1	2.27	3.92	1940	0					3	29	0	0	0	Aug
Sep	90.9	62.0	76.5	110	1952	33	1942	6	2.96	5.05	1961	0					5	16	0	0	0	Sep
Oct	81.4	51.3	66.4	104	1951	25	1957+	89	2.52	3.64	1959	0					4	5	0	*	0	Oct
Nov	68.3	38.6	53.5	92	1965+	10	1950	381	1.49	2.42	1963	0.1	2.8	1957			3	*	0	7	0	Nov
Dec	60.2	32.2	46.2	91	1955	7	1950	596	1.16	1.83	1946	0.5	4.0	1946			3	0	1	17	0	Dec
Year	78.7	50.2	64.5	114	Aug. 1964+	-8	Jan. 1947	2804	26.25	5.80	Jul. 1953	3.2	12.0	Jan. 1966			44	120	4	70	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 ALBANY, TEXAS

Albany, county seat and commercial center of Shackelford County, was established in 1874. It became an early supply point on the Western Trail to Dodge City, Kansas. The Albany News, founded in 1883, owns one of the most valuable files of authentic frontier history. The Fort Griffin Fandangle, an annual pageant the latter part of June, depicts life on the early frontier of West Texas. A herd of Texas Longhorn cattle are maintained by the State at Fort Griffin State Park, 15 miles north of Albany. In addition to being a center for ranch supplies and marketing, Albany is an oil producing and oil well supply center. Shackelford County is partly rolling, hilly terrain, broken by forks of the Brazos River. Soils are predominately chocolate and sandy loams. Elevations vary from 1,200 to 2,000 feet. Over 103 million barrels of oil have been produced since 1923 (to January 1, 1966). Ninety percent of agricultural income is from livestock, chiefly cattle. Wheat and cotton are principal crops.

The climate of Albany is subtropical with dry winters and hot humid summers. The climate is typically continental with a large variation in annual extremes of temperature. The lowest temperature on record is -8°F; the highest, 114°F. Rainfall averages 26.25 inches annually. Amounts vary considerably from month to month and from year to year. Since 1870, total annual rainfall has exceeded 40 inches in three years: 1941, 47.01 inches; 1932, 46.00 inches; and 1906, 40.55 inches. The three driest years were: 1956, 11.07 inches; 1917, 11.63 inches; and 1873, 12.03 inches. Most rainfall is the result of thunderstorm activity so that wide variations in amounts occur, not only in time, but within small geographical areas.

Sudden drops in temperature and strong northerly winds often accompany cold fronts as they push rapidly through the area during the colder months. Periods of cold weather are short however, rarely lasting longer than about 48 hours. Brief periods of mild sunny weather are frequent in winter. Temperature maxima above 90°F have occurred in both January and February.

Daytime temperatures are hot in summer. Usually, the highest temperatures are associated with southwesterly winds and dry air. Evaporative-type home air-conditioners are effective for cooling about 90 percent of the time. Rapid cooling usually occurs after nightfall so that most nights are pleasant. The mean July minimum temperature is 70.4°F.

The prevailing winds are south to southeasterly the year round. The strongest winds are the squalls and peak gusts associated with thunderstorms. The strongest persistent winds occur in the spring in association with intense low pressure centers that move eastward through the Texas and Oklahoma Panhandles. Occasionally, these lows will move dust into the area from the northwest.

Albany receives about 71 percent of the total possible sunshine annually. Mean annual relative humidity is about 71 percent at 6:00 a.m., 49 percent at noon, and 43 percent at 6:00 p.m., Central Standard Time. Mean annual lake evaporation is estimated at 66 inches

The growing season (freeze free period) at Albany is 224 days. The mean date of the last occurrence of 32°F in the spring, and the first occurrence of 32°F in the fall, is March 30 and November 9, respectively. Significant departures from these mean values may exist locally because of differences in exposure, soil type and condition, slope, and vegetative cover.

ALBANY, TEXAS

Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1938	47.1	51.4	62.0	61.9	72.8	81.8	83.4	84.1	78.5	69.8	52.9	46.4	66.0
1939	47.5	43.1	58.0	65.8	75.0	81.5	86.4	83.4	81.4	69.7	51.7	49.9	66.1
1940	35.2	46.2	57.6	63.8	71.8	76.0	82.6	80.9	75.2	68.2	51.4	47.2	63.0
1941	46.8	45.4	49.1	62.9	72.4	76.8	82.0	82.0	76.4	68.6	54.3	48.0	63.7
1942	41.2	46.8	53.8	64.6	67.7	78.4	81.8	83.0	71.8	62.8	56.8	46.6	63.0
1943	43.6	51.8	48.4	67.2	70.4	81.2	85.0	89.8	75.8	63.4	53.7	42.5	64.4
1944	45.4	49.2	52.2	62.8	71.4	82.1	84.4	85.1	73.6	64.8	55.4	42.8	64.1
1945	44.9	48.2	58.2	59.7	71.0	78.6	80.4	82.5	77.8	63.8	57.2	43.8	63.8
1946	41.2	49.8	58.0	69.0	70.1	78.9	86.0	85.6	74.4	67.3	54.0	49.6	65.3
1947	42.0	41.6	48.4	62.4	70.3	81.8	84.4	85.2	79.6	73.2	49.6	-	-
1948	37.5	43.5	50.3	70.1	75.0	83.3	-	83.9	76.2	64.4	52.6	49.3	-
1949	34.9	47.2	54.3	61.3	72.5	79.3	84.7	80.6	74.0	64.4	57.3	47.8	63.2
1950	46.8	51.7	53.7	64.6	72.0	78.8	81.4	80.6	74.5	71.5	52.2	44.1	64.3
1951	45.8	47.6	54.3	63.4	73.2	80.2	85.1	87.2	79.2	68.0	49.1	47.9	65.1
1952	50.6	51.7	52.4	62.0	72.0	83.9	84.9	90.3	75.4	62.0	52.0	45.1	65.2
1953	51.6	48.1	59.2	62.3	71.2	87.3	82.7	81.3	76.0	65.7	51.1	45.6	65.2
1954	46.4	56.3	54.3	70.1	67.3	82.9	89.2	88.7	81.6	67.8	53.9	49.1	67.3
1955	44.4	45.6	56.7	70.7	76.0	79.7	86.0	85.8	80.7	67.4	53.6	46.4	66.1
1956	44.0	46.5	57.3	64.9	78.9	86.1	87.5	86.3	80.0	69.9	51.9	50.2	67.0
1957	43.6	52.1	52.6	61.9	68.9	77.3	84.9	83.4	74.5	61.6	48.8	49.9	63.3
1958	42.8	42.5	46.4	61.2	71.3	81.5	83.9	83.9	76.3	64.4	54.8	43.5	62.7
1959	40.6	45.9	55.4	63.3	74.7	78.8	80.6	84.0	79.3	63.4	47.7	49.7	63.6
1960	44.0	42.5	48.3	66.9	70.9	83.5	84.5	84.6	78.4	68.5	56.3	40.9	64.1
1961	41.2	47.8	57.4	63.8	73.1	76.1	80.2	80.5	73.6	65.1	50.4	-	-
1962	38.4	54.2	50.5	60.9	76.9	77.8	82.9	83.7	75.5	69.6	54.4	46.3	64.3
1963	37.2	46.5	58.1	71.7	74.2	79.7	86.4	84.9	77.4	71.3	55.4	39.9	65.2
1964	45.1	43.5	53.5	66.6	74.4	79.5	87.0	85.7	75.5	63.6	55.4	46.3	64.7
1965	46.9	44.5	45.6	67.2	71.9	79.0	85.0	82.9	77.9	63.6	59.9	49.2	64.5
1966	38.1	43.2	56.8	64.0	69.9	78.8	86.3	79.5	72.7	62.4	57.8	42.6	62.7
1967	46.3	46.8	61.5	70.4	69.3	79.7	82.3	81.4	71.4	64.0	53.3	43.3	64.1

STATION HISTORY

Rainfall observations began at Albany in August 1869. Data for October and November of this year are missing, but records are complete for the period December 1869 through April 1882. The U. S. Weather Bureau established a cooperative climatological station at Albany in May 1892, located on Main Street, three blocks south of the old post office. The station has been moved several times, but each move was within one mile of the original location. The station is presently located at 115 N. 7th Street, 0.6 mile northeast of the new post office. John D. Willett, Jr. is the cooperative observer. Rainfall records have been fairly continuous since November 1901, and temperature records have had few interruptions since February 1906. Data are published monthly in CLIMATOLOGICAL DATA-TEXAS, station index number, 41-0120-03.

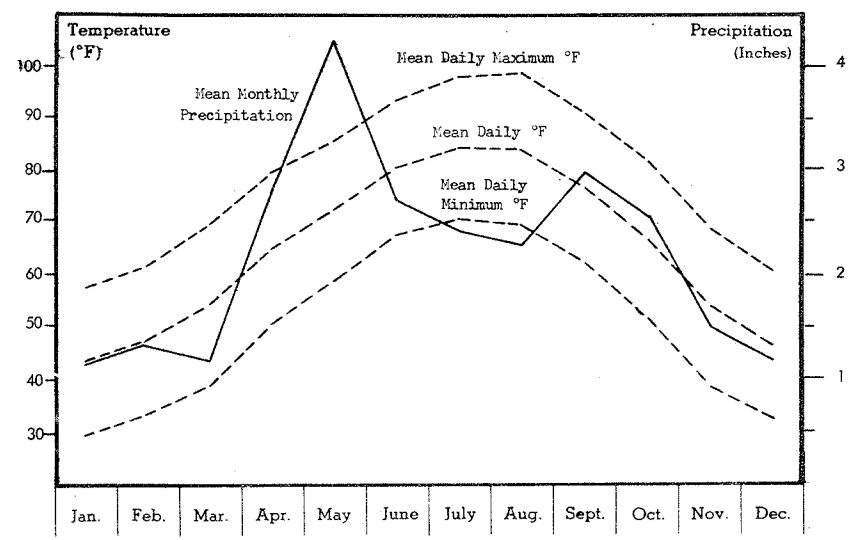
Weather Bureau State Climatologist
Environmental Science Services Administration
3600 Manor Road, Austin, Texas 78723
August 1968

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.

ALBANY, TEXAS

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1938	1.43	1.22	7.08	2.34	4.04	3.41	3.76	0.03	0.37	0.97	1.12	0.58	26.35
1939	3.54	0.13	0.52	0.51	6.44	3.23	0.33	1.47	0.21	0.80	2.16	0.76	20.10
1940	0.33	2.85	0.16	1.79	4.98	5.52	0.47	5.47	1.00	0.14	3.57	2.10	28.38
1941	0.39	4.28	2.18	3.54	9.04	4.12	3.21	6.06	3.13	9.62	0.38	1.06	47.01
1942	0.08	0.34	0.49	7.20	3.14	2.13	0.35	3.41	6.08	5.41	0.42	1.91	30.96
1943	0.24	0.02	2.51	2.10	3.25	2.23	0.60	0	1.78	1.06	0.78	2.58	17.15
1944	1.80	2.70	0.95	1.57	3.97	0.79	2.63	1.94	1.91	4.86	1.87	2.77	27.76
1945	1.04	1.58	1.58	2.30	2.35	3.81	4.22	1.78	1.11	3.47	0.46	0.83	24.53
1946	1.83	0.95	0.49	3.21	3.35	1.03	0.73	5.04	3.96	1.25	2.34	2.44	26.62
1947	0.86	0.18	1.45	1.07	6.22	0.92	1.84	1.33	0.50	1.82	2.14	2.29	20.62
1948	0.40	2.63	0.93	1.32	1.29	4.37	0.58	2.44	0.22	1.75	T	0.98	16.91
1949	2.10	1.06	1.23	2.20	5.83	3.41	3.22	5.41	4.13	4.59	0	1.17	34.35
1950	0.77	0.63	0.15	4.07	5.18	1.32	5.99	1.46	4.22	0.19	T	0.02	24.00
1951	T	0.80	0.53	0.76	3.86	4.06	2.82	1.67	0.90	1.49	0.45	0.03	17.37
1952	1.25	0.65	0.91	1.95	3.02	0.70	0.66	0.42	2.35	T	3.67	0.81	16.39
1953	0.18	0.66	1.84	1.94	4.59	2.91	11.57	5.29	0.86	4.38	0.97	0.16	35.35
1954	1.09	0.35	0.44	3.78	3.91	0.21	T	0.98	0.15	3.24	2.94	0.73	17.82
1955	1.19	1.03	0.35	1.95	3.65	2.30	1.64	0.18	5.20	0.40	T	0.41	18.30
1956	0.75	0.72	0.13	1.33	1.39	0.16	1.20	0.96	0.36	2.04	0.80	1.23	11.07
1957	0.44	6.55	0.58	10.20	9.93	2.27	2.95	0.73	4.19	3.66	3.06	0.46	45.02
1958	1.44	1.50	2.25	3.51	4.38	0.54	4.69	3.16	6.46	1.86	0.58	0.36	30.73
1959	0.06	0.69	0.53	0.92	4.13	4.41	1.74	0.65	0.18	6.47	0.24	1.79	21.81
1960	3.55	1.09	0.45	2.59	2.29	0.34	5.40	2.68	2.02	2.97	0.05	2.37	25.80
1961	4.19	2.31	1.01	0	1.38	7.39	3.78	0.65	8.27	2.95	3.03	0.71	35.67
1962	0.03	0.56	2.38	3.47	0.25	8.95	4.92	0.13	8.38	1.44	1.06	1.19	32.76
1963	0.04	0.31	0.08	3.43	4.78	2.90	0.98	1.67	1.74	0.91	6.09	0.60	23.53
1964	2.58	2.77	1.51	1.47	3.71	1.50	0.05	3.29	3.69	0.87	3.83	0.32	25.59
1965	1.75	1.66	0.48	4.53	7.99	2.41	0.22	1.97	3.82	3.19	0.22	1.56	29.80
1966	1.76	0.79	1.49	6.98	2.73	1.50	0.41	6.34	4.87	1.24	0.38	0.09	28.58
1967	0	0.29	0.85	1.52	5.19	2.54	1.21	1.43	6.72	2.41	2.15	2.55	26.86

T - Trace

Monthly Temperatures and Precipitation