U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
IN COOPERATION WITH PATTERSON BROS. INSURANCE AGENCY
CLIMATOGRAPHY OF THE UNITED STATES NO. 20 — 41

LATITUDE 30° 35' N
LONGITUDE 97° 24' W
ELEV. (GROUND) 570 feet

CLIMATOLOGICAL SUMMARY

STATION TAYLOR, TEXAS

MEANS AND EXTREMES FOR PERIOD 1930-1959

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	Max. 32° and below	Min. 32° and below	Min. 0° and below	Month
(a)	30	30	30	30		30		30	30	30		30	30		30		30	30	30	30	30	
Jan	60.4	37.7	49.1	88	1943	-5	1949	550	2.57	3.32	1932	0.6	7.0	1944	6.8	1944	5	0	1	9	*	Jan
Feb	64.5	41.4	53.0	92	1954+	2	1951	360	2.75	2.66	1940	*	T	1956+	T	1956+	5	*	*	5	0	Feb
Mar	71.7	46.3	59.0	99	1946	15	1943	220	2.38	2.66	1957	*	0.9	1930	0.9	1930	4	1	0	2	0	Mar
Apr	79.5	55.2	67.4	100	1951+	30	1936	50	3.31	3.39	1953	0	0	- -	0	- -	4	2	0	*	0	Apr
May	85.9	63.5	74.7	99	1949+	41	1954	0	4.01	4.50	1942	0	0	- -	0	- -	5	10	0	0	0	May
Jun	92.9	70.0	81.5	106	1936	55	1955+	0	3.36	6.00	1958	0	0	- -	0	- -	4	24	0	0	0	Jun
Jul	96.6	72.4	84.5	112	1954	60	1940	0	1.77	3.63	1941	0	0	- -	0	- -	3	29	0	0	0	Jul
Aug	97.7	72.0	84.8	110	1936	59	1949+	0	2.21	4.31	1959	0	0	- -	0	- -	3	29	0	0	0	Aug
Sep	91.6	66.5	79.1	106	1954+	38	1942	0	3.46	5.69	1932	0	0	- -	0	- -	4	21	0	0	0	Sep
Oct	83.3	56.9	70.1	103	1938	30	1957	40	2.57	3.85	1953	0	0	- -	0	- -	3	9	0	*	0	Oct
Nov	70.1	45.1	57.6	93	1947	20	1950	250	2.55	4.00	1946	*	2.5	1937	2.5	1937	4	*	0	3	0	Nov
Dec	63.0	39.6	51.3	88	1955	10	1950	460	2.90	6.00	1953	0	T	1939	2.2	1940	5	0	*	7	0	Dec
Year	79.8	55.6	67.7	112	Jul 1954	-5	Jan 1949	1930	33.84	6.00	Jun 1958+	*	7.0	Jan 1944	6.8	Jan 1944	49	125	1	26	*	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 TAYLOR, TEXAS

Taylor, lying east of the Balcones Escarpment and about 165 miles from the Gulf of Mexico, is in the Rolling Blacklands. Climate and soil are ideal for cotton, corn, grain sorghums and other agricultural crops.

Taylor and Williamson County are in the watershed of the San Gabriel River. Elevations in Williamson County vary from around 400 feet in the eastern part of the county, 570 feet in Taylor, to about 1100 feet in the western sections of the county. The climate is influenced by the nearness of the Gulf of Mexico, which is the source of the maritime tropical air mass which moves over Taylor with the prevailing south winds. However, surges of polar air in winter account for the frequent north winds experienced during December, January and February.

The normal annual temperature is 68 degrees F. During winter the daily range in temperature is from about 60 degrees to 40 degrees F., but wide variation from these figures and sudden changes occur as cold polar air replaces warm tropical air, and vice versa. Daily range in temperature in summer averages from 72 degrees F. in the early morning to 97 degrees F. in the afternoon. The highest temperature ever recorded is 112 degrees F. in July 1954, and the lowest known is -5 degrees F. in January 1949.

Annual rainfall has varied from 55 inches to as little as 15 inches, but the average for the last 30 years has been 33.84 inches. Prolonged dry spells do occur, and all months of the year have seen little or no rain. There is no pronounced dry or wet season, and rainfall is fairly well distributed throughout the year.

Taylor was near the center of the record rain and flood that occured in central Texas in September of 1921, and measured 23.11 inches during a 24-hour period on September 9 and 10. An account of the storm of September 1921, during which fell the greatest rainfall ever recorded in Texas, is published in the Monthly Weather Review for September 1921, and another study is published in the U. S. Geological Survey Water Supply Paper No. 488.

The average number of days with temperatures below 32 degrees F. is 26 per year. These usually occur from late November to late March. The average length of the period between the last 32-degree temperature in spring and first in fall is 251 days, from March 13 to November 19. The latest date of 32 degrees F. or below in spring is April 13, and the earliest ever known in fall, October 30.

On the average, Taylor can expect 144 clear days, 112 partly cloudy days and 109 cloudy days in a year. Measurable precipitation normally occurs on 77 days a year. Destructive winds are infrequent and occur in connection with thundersqualls. Gulf hurricanes offer no threat of wind damage this far from the coast.

TAYLOR, TEXAS
Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1930	37.5	58.4	55.6	70.8	72.4	79.6	84.4	84.8	79.0	67.2	57.9	48.1	66.3
1931	50.2	55.6	54.6	62.4	71.0	81.6	83.6	82.8	82.6	75.6	64.4	52.2	68.0
1932	51.6	59.7	54.1	68.6	73.6	81.5	85.3	84.1	76.2	66.5	54.0	46.7	66.8
1933	56.4	48.8	63.3	68.6	78.3	79.9	84.8	84.0	83.2	73.4	60.3	57.6	69.9
1934	50.8	51.2	56.8	69.5	77.4	85.0	86.0	86.2	79.8	74.8	62.6	51.2	69.3
1935	52.1	52.6	65.7	67.8	71.2	79.5	83.7	84.5	75.8	71.6	56.1	47.8	67.4
1936	47.4	45.7	64.4	65.4	73.9	82.3	82.3	84.0	80.0	64.2	54.6	52.8	66.4
1937	46.0	53.1	54.2	68.6	76.6	81.9	85.6	86.9	80.0	70.0	55.6	50.0	67.4
1938	49.7	58.0	66.2	65.7	74.2	83.0	84.7	85.0	79.4	72.4	56.2	52.2	68.9
1939	52.2	49.6	62.0	68.8	77.4	82.1	84.8	85.2	82.7	72.2	55.8	54.8	69.0
1940	39.5	52.3	61.3	66.3	73.8	77.6	81.8	83.7	77.1	70.8	56.0	52.7	66.1
1941	52.8	50.0	54.0	67.3	75.7	80.1	82.8	84.6	80.8	74.2	57.0	52.8	67.7
1942	48.2	51.3	59.6	67.8	74.0	82.0	82.9	84.2	75.6	67.4	61.8	52.3	67.3
1943	48.2	57.0	55.2	71.0	76.4	82.0	84.0	86.5	76.9	66.9	56.3	48.4	67.4
1944	47.1	55.4	58.4	66.7	72.0	81.6	85.0	84.8	77.2	69.0	58.4	46.3	66.8
1945	48.7	54.4	65.6	66.1	73.8	80.8	83.4	83.8	78.8	66.2	62.8	49.2	67.8
1946	48.8	55.1	63.9	70.4	74.0	79.2	84.2	84.8	76.8	70.3	58.5	53.7	68.3
1947	46.4	46.1	53.9	66.6	73.7	82.6	84.2	83.8	79.4	75.9	54.6	51.2	66.6
1948	M	48.5	56.2	71.9	75.9	83.5	84.5	85.2	79.4	70.2	57.7	54.0	- -
1949	43.9	53.3	58.7	64.5	77.0	81.3	84.4	81.7	79.3	69.9	62.1	53.3	67.5
1950	53.9	55.7	58.1	65.7	74.9	80.0	83.6	84.0	77.2	72.1	57.7	51.7	67.9
1951	49.5	51.9	60.6	66.7	74.5	81.2	86.2	87.3	78.9	70.6	55.5	52.9	68.0
1952	58.4	56.7	57.5	64.0	72.3	82.2	83.7	87.9	79.2	65.5	57.7	48.6	67.8
1953	54.9	51.9	64.4	66.4	74.7	84.3	85.2	85.0	78.0	70.8	56.4	47.5	68.3
1954	50.3	57.7	58.3	71.3	72.5	83.5	88.2	86.4	82.1	72.8	58.2	54.4	69.6
1955	49.7	51.2	60.6	70.8	76.6	78.1	84.7	83.6	81.5	70.2	57.1	49.8	67.8
1956	48.6	52.9	58.9	67.5	78.1	83.5	86.7	86.1	80.9	73.0	56.2	53.9	68.8
1957	48.6	57.6	57.3	63.3	73.3	80.3	86.6	86.3	76.2	64.5	54.7	54.4	66.9
1958	46.6	46.4	53.1	65.7	74.7	82.9	84.4	85.6	79.4	67.7	60.0	47.0	66.1
1959	44.7	50.3	57.1	63.8	76.4	81.5	84.0	83.6	79.2	68.7	51.3	52.1	66.1

M = missing.

TAYLOR, TEXAS
Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1930	1.36	2.47	2.61	0.43	6.48	0.35	0.80	1.35	4.08	6.55	1.96	3.22	31.66
1931	3.40	3.87	2.48	2.91	0.97	2.74	2.07	0.03	2.40	0.28	0.64	4.30	26.09
1932	7.54	3.62	2.03	2.94	2.03	3.69	0.18	1.98	9.86	0.06	1.59	2.70	38.22
1933	5.13	2.45	0.97	0.77	4.42	0.24	4.09	6.18	2.54	1.41	0.66	1.95	30.81
1934	8.15	3.61	4.83	6.71	1.03	1.73	1.00	0.49	0.87	0.00	5.91	3.30	37.63
1935	1.19	3.69	1.70	1.49	9.96	6.41	1.17	2.29	8.51	0.78	1.86	2.98	42.03
1936	0.14	1.57	1.30	1.64	9.50	1.44	4.12	3.22	5.15	3.45	2.36	3.02	36.91
1937	3.08	0.33	3.91	0.73	0.70	5.58	1.05	1.39	2.84	4.74	2.28	4.80	31.43
1938	4.27	3.22	1.57	6.68	3.08	1.71	1.80	0.49	2.65	0.43	1.51	1.77	29.18
1939	2.52	1.75	0.83	1.20	4.16	2.12	1.91	2.60	1.03	2.27	2.39	1.49	24.27
1940	0.78	6.04	2.53	5.61	5.52	11.76	2.17	1.32	1.01	2.91	9.24	5.64	54.53
1941	2.09	3.14	4.08	3.95	4.49	5.84	5.21	0.09	0.81	3.71	1.29	2.24	36.94
1942	0.18	1.42	0.53	6.27	6.90	3.26	2.95	4.18	6.06	5.94	1.35	2.44	41.48
1943	1.08	0.14	2.67	1.79	5.72	0.56	3.60	2.00	4.17	1.62	2.17	1.99	27.51
1944	7.12	3.08	4.38	0.48	5.80	1.90	0.54	3.70	2.19	0.05	7.53	5.21	41.98
1945	2.99	3.61	2.94	4.91	1.71	5.83	2.41	8.65	1.40	3.52	1.18	2.89	42.04
1946	4.00	2.88	4.67	4.67	3.35	4.46	1.25	2.79	5.61	1.44	9.65	3.87	48.64
1947	2.81	0.39	2.48	1.66	2.85	2.92	0.56	2.70	0.98	0.00	2.69	2.36	22.40
1948	M	2.67	M	1.57	3.86	2.25	M	0.37	M	M	0.76	1.91	- -
1949	5.20	2.98	2.80	M	0.53	2.24	1.57	1.31	0.42	4.85	0.20	5.63	- -
1950	0.86	M	0.47	5.08	2.61	2.13	0.72	0.55	5.82	0.83	0.00	0.05	- -
1951	0.45	3.14	3.98	1.02	2.95	5.12	0.10	0.66	6.14	1.48	1.11	0.57	26.72
1952	0.42	2.46	2.33	4.16	4.78	2.67	1.28	0.08	2.04	0.00	6.66	3.47	30.35
1953	0.49	2.50	2.25	5.85	3.33	0.60	0.81	4.20	1.92	6.64	1.01	7.49	37.09
1954	1.03	0.42	0.39	2.61	1.58	0.60	1.73	1.32	1.38	0.42	2.31	0.81	14.60
1955	2.79	5.25	0.86	3.21	5.86	3.33	1.03	2.35	1.62	0.12	0.51	1.73	28.66
1956	1.68	2.59	0.55	0.88	1.97	2.48	0.15	0.72	0.21	0.91	0.90	2.68	15.72
1957	1.00	2.25	6.16	10.71	4.80	7.33	0.00	T	7.55	9.24	3.74	1.68	54.46
1958	2.50	5.80	2.57	2.23	2.67	6.62	3.80	1.27	8.50	4.14	1.25	1.82	43.17
1959	0.33	2.41	0.09	3.79	2.65	2.89	3.24	8.12	2.70	6.74	1.81	2.86	37.63

M = missing.
T = trace, an amount too small to be measured.

HISTORY OF WEATHER OBSERVATIONS
AT TAYLOR, TEXAS

Complete temperature and rainfall records were started at Taylor in Williamson County on November 13, 1901. The U.S. Weather Bureau station was in the Post Office Building during these early days, and thermometers and rain gages were located on top of the building 30 to 40 feet above the ground. On August 1, 1933, Mr. Herbert N. Patterson became the official weather observer for Taylor, Texas, and since that time observations have been taken at standard elevations over sod at Mr. Patterson's residence, which has been less than one mile from the Post Office. Public spirited citizens throughout the nation take weather observations for their localities.

OBSERVER	BEGAN	ENDED
U.S. Weather Bureau	November, 1901	July, 1933
Herbert N. Patterson	August, 1933	

Weather Bureau State Climatologist
U.S. Weather Bureau
Municipal Airport
Austin, Texas