U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
IN COOPERATION WITH THE LONGVIEW CHAMBER OF COMMERCE
CLIMATOGRAPHY OF THE UNITED STATES NO. 20 — 41

LATITUDE 32° 29' N
LONGITUDE 94° 43' W
ELEV. (GROUND) 345 Ft.

CLIMATOLOGICAL SUMMARY

STATION LONGVIEW, TEXAS

MEANS AND EXTREMES FOR PERIOD 1934-1963

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		9	30	30		30	30				10	10	10	10	10	
Jan	57.3	35.9	46.6	86	1949	4	1940	643	4.13	2.20	1958	1.1	8.5	1948			5	0	2	14	0	Jan
Feb	61.5	39.6	50.6	86	1938	3	1951	423	3.70	2.35	1947	0.1	2.5	1963			6	0	*	8	*	Feb
Mar	69.7	45.1	57.4	93	1946	17	1948	317	3.79	3.75	1934	T	T	1948+			5	0	0	5	0	Mar
Apr	77.7	53.9	65.8	98	1942	32	1962+	96	4.96	9.35	1944	0	0				6	*	0	*	0	Apr
May	85.1	62.3	73.7	100	1934	42	1960+	13	5.59	6.85	1944	0	0				6	4	0	0	0	May
Jun	91.8	69.8	80.8	110	1936	55	1955+	1	3.65	5.74	1957	0	0				6	17	0	0	0	Jun
Jul	95.3	72.6	84.0	108	1939	56	1950	0	3.35	6.06	1949	0	0				4	27	0	0	0	Jul
Aug	95.5	72.1	83.8	113	1936	56	1940	0	2.45	2.65	1955	0	0				4	26	0	0	0	Aug
Sep	90.9	65.5	78.2	109	1939	46	1963+	1	2.94	4.32	1960	0	0				6	18	0	0	0	Sep
Oct	82.3	54.7	68.5	101	1938	29	1957	62	3.06	5.96	1957	0	0				4	5	0	*	0	Oct
Nov	68.3	42.9	55.6	93	1944	20	1951	315	4.27	5.10	1938	0	0				5	0	0	5	0	Nov
Dec	59.8	37.5	48.7	93	1951	8	1963	534	4.20	4.00	1944	0	0				6	0	0	12	0	Dec
Year	77.9	54.3	66.1	113	Aug. 1936	3	Feb. 1951	2405	46.09	9.35	April 1944	1.2	8.5	Jan. 1948			63	97	2	44	*	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 LONGVIEW, TEXAS

Longview is located near the eastern border of Gregg County just north of the Sabine River. Gregg County is a populous, leading petroleum county, heart of the famed East Texas oil field. The surrounding terrain is rolling to hilly timberland of sandy, clay, and alluvial soils.

The climate is subtropical, permanently humid, with hot summers. Rainfall averages 46.09 inches annually, evenly distributed throughout the year. Prevailing winds are from the south-southeast; consequently, the Gulf of Mexico plays a dominant role in determining the weather in the region.

The summer months are quite warm, with the average daily maximum temperature slightly above 95°F in both July and August. Winter temperatures are mild with only about two days during each year, on an average, when the daily maximum fails to go above freezing. Minimum temperatures are freezing or below only about one night in three during the winter months. Sudden changes in temperature and moisture do occur in winter as cold, dry polar air replaces the warm, moist tropical air from the Gulf, and vice versa. During the colder season temperature falls of 20 degrees or more within an hour are not uncommon following the passage of a cold front, or "norther." The occasional cold spells are of short duration, usually turning cold one day, reaching the lowest temperatures on the second night, and then warming up again on the third day. Subtropical vegetation and flowers fare well in the winter. Roses often bloom into December and begin blooming again by late March.

Rainfall is heaviest November through May. Approximately two-thirds of the average annual total falls during this period. August is the driest month, with an average of 2.45 inches. Late spring, summer, and early fall rainfall is almost entirely of the local shower and thunderstorm type, whereas late fall, winter, and early spring rains are more general in nature, and associated with airmass changes.

Snowfall averages a little more than one inch a year; however, average values are misleading. One snow of three or four inches may be followed by several years of no measurable snow. The greatest snow of record occurred in 1929, when a 10-inch fall was measured in November and 14 inches in December. Usually, snow melts almost as rapidly as it falls, and is an unimportant source of moisture. More troublesome than snowfall are the occasional ice and sleet storms which do considerable damage to trees, shrubs, and utility lines, as well as making travel difficult. They occur during brief periods in the winter months.

The spring and fall seasons are the most delightful. Temperatures are neither too hot or too cold, and there are sufficient changes to make the weather interesting.

The growing season (freeze free period) at Longview averages 247 days. The average date of the last spring freeze is March 14, while the average date of the first fall freeze is November 16.

Average annual relative humidity is approximately 70 per cent. Monthly averages vary only slightly. Diurnally, relative humidity is usually highest shortly before sunrise and lowest during mid-afternoon. The area receives about 67 per cent of the total possible sunshine annually. January is the cloudiest month. Mean annual lake evaporation is estimated at 51 inches.

LONGVIEW, TEXAS

Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1934	48.6	47.2	56.2	67.2	73.6	84.5	87.2	88.8	77.7	73.0	60.0	49.0	67.8
1935	51.0	51.0	63.2	66.8	72.2	80.4	85.8	86.1	76.5	70.2	58.0	44.3	67.1
1936	46.9	42.7	M	64.4	76.0	84.5	83.5	87.6	83.0	65.4	52.6	50.0	-
1937	50.5	53.2	54.0	66.0	76.5	82.7	86.4	87.4	80.9	67.9	53.8	49.4	67.4
1938	M	58.7	67.6	66.3	76.3	82.6	84.9	86.1	79.9	72.6	56.0	50.6	-
1939	51.2	49.6	63.3	66.4	76.0	M	88.4	M	84.3	69.6	52.1	54.3	-
1940	34.4	49.0	61.4	65.2	73.1	79.8	82.4	81.1	74.8	68.0	55.9	51.9	64.8
1941	49.7	46.8	52.2	67.6	75.9	78.8	83.7	86.0	80.8	72.9	52.5	49.9	66.4
1942	43.8	48.4	57.0	67.4	73.6	M	85.0	85.0	76.0	68.6	61.2	M	-
1943	M	M	54.4	68.4	75.4	83.0	84.8	85.9	76.0	65.2	53.7	45.6	-
1944	47.7	56.0	59.6	66.8	76.0	87.2	M	85.7	78.3	69.4	59.2	45.7	-
1945	47.0	52.6	63.1	66.8	72.0	81.6	82.3	82.7	80.2	67.4	61.6	44.8	66.8
1946	46.7	54.2	62.4	70.3	72.2	79.4	83.8	82.6	76.5	67.4	58.8	54.2	67.4
1947	46.6	44.0	50.4	66.4	72.0	80.3	83.2	85.6	79.8	75.0	53.4	49.4	65.5
1948	39.0	48.4	55.5	70.2	73.9	81.7	85.3	85.5	78.1	67.1	56.4	52.0	66.1
1949	46.4	53.6	M	M	75.2	80.9	83.3	80.4	75.9	68.0	58.1	51.6	-
1950	53.6	53.8	54.3	62.5	74.1	78.6	79.8	80.9	73.8	69.5	53.0	46.5	65.0
1951	47.6	48.0	56.6	62.1	71.3	79.8	84.1	86.7	77.3	67.2	52.2	50.8	65.3
1952	55.9	53.4	55.6	61.9	72.0	81.9	83.7	86.0	78.1	61.6	55.4	46.8	66.0
1953	50.3	50.0	62.4	63.1	74.2	85.4	81.9	82.1	77.6	69.4	54.0	46.2	66.4
1954	47.8	56.0	56.1	69.5	67.6	81.4	87.7	87.3	81.7	69.7	55.3	49.3	67.4
1955	47.8	49.4	59.2	68.9	75.7	77.9	83.5	81.3	78.8	66.6	55.2	49.2	66.1
1956	46.2	52.9	56.8	64.5	76.5	79.2	85.2	85.3	79.0	71.0	53.8	53.2	67.0
1957	47.5	57.0	54.7	65.6	73.4	78.9	83.7	81.6	M	63.4	55.3	53.0	-
1958	45.2	44.3	51.8	62.8	72.3	80.1	83.2	83.0	77.5	65.3	56.7	44.8	63.9
1959	42.1	49.3	54.3	61.1	74.6	78.0	80.8	81.4	77.0	66.7	50.9	50.4	63.9
1960	45.7	42.8	47.6	67.0	70.1	79.2	82.9	82.4	77.9	68.9	57.0	43.8	63.8
1961	42.2	51.5	60.1	61.8	71.8	75.7	80.6	79.3	76.4	66.3	54.3	46.8	63.9
1962	41.0	57.0	52.8	63.1	74.6	78.3	82.9	85.5	77.1	70.1	54.5	47.6	65.4
1963	39.3	46.4	60.0	69.2	73.0	81.4	84.4	85.4	77.5	71.6	58.1	40.5	65.6

M - Missing

LONGVIEW, TEXAS

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1934	3.55	2.74	7.30	5.50	1.67	0.71	1.61	0.72	2.06	0.29	5.82	2.84	34.81
1935	2.83	3.88	4.35	3.77	7.06	5.22	0.45	1.69	3.64	8.31	3.98	4.67	49.85
1936	0.60	0.40	1.05	1.27	7.29	0.47	7.47	1.05	1.04	2.21	2.18	4.50	29.53
1937	9.72	2.00	4.92	4.44	0.92	3.90	2.80	5.60	0.00	3.37	3.53	7.19	48.39
1938	3.95	1.55	1.96	3.72	2.63	4.49	3.73	2.27	1.34	0.70	6.15	2.99	35.48
1939	7.46	7.34	1.19	1.85	4.94	2.69	1.01	2.03	0.07	1.19	4.23	2.92	36.92
1940	1.32	3.51	4.83	5.47	4.19	4.15	2.48	3.73	1.15	2.42	8.96	7.94	50.15
1941	3.04	3.30	4.62	6.48	5.68	7.66	4.07	2.81	4.15	5.27	3.67	4.69	55.44
1942	2.26	0.81	3.50	8.62	4.02	M	4.05	8.71	3.10	1.35	1.03	M	-
1943	M	M	2.89	1.68	6.28	1.45	0.65	1.16	4.51	3.63	0.79	4.45	-
1944	5.75	7.44	5.33	12.82	16.43	2.62	0.01	2.79	0.60	0.58	6.08	10.63	71.08
1945	4.57	4.45	10.14	4.45	2.46	6.15	4.96	1.42	0.79	8.50	3.24	3.32	54.45
1946	6.47	4.32	4.10	5.65	12.37	5.01	1.23	4.07	1.15	2.44	11.33	3.22	61.36
1947	3.81	3.27	6.62	3.25	8.57	1.55	0.61	1.38	5.26	1.22	4.94	6.15	46.63
1948	4.76	3.93	4.01	4.28	6.69	M	3.74	1.06	0.45	2.25	6.28	1.83	-
1949	6.72	M	M	M	1.57	3.31	12.44	2.32	3.33	9.14	0.24	2.12	-
1950	7.64	4.38	1.92	4.03	7.20	1.54	3.56	3.98	3.66	1.63	2.42	0.46	42.42
1951	5.86	3.53	3.40	1.51	2.67	5.26	2.08	1.63	4.36	1.01	2.89	4.47	38.67
1952	3.16	5.52	3.53	6.12	5.13	0.38	2.67	0.43	0.08	0.02	5.57	4.35	36.96
1953	2.00	2.89	4.81	6.33	9.47	1.36	9.95	2.15	1.35	1.57	3.87	5.64	51.39
1954	4.58	1.47	1.14	2.33	8.23	0.89	0.38	0.59	0.86	7.38	4.18	3.06	35.09
1955	2.49	6.30	3.35	4.53	6.83	2.91	3.32	7.14	3.70	0.24	0.67	1.82	43.30
1956	2.88	6.25	1.95	1.36	7.42	1.05	2.52	0.97	0.13	2.20	3.61	2.38	32.72
1957	3.23	4.94	5.31	15.38	5.64	10.66	2.48	2.73	3.97	12.68	7.89	1.93	76.84
1958	4.53	2.09	1.66	6.50	4.96	4.27	0.44	3.07	8.20	1.99	2.09	0.54	40.34
1959	0.84	3.95	2.23	4.47	8.93	4.48	8.62	2.34	4.44	2.31	2.29	5.81	50.71
1960	4.69	4.34	3.25	1.71	2.74	5.97	1.02	2.69	11.16	2.70	4.80	11.06	56.13
1961	4.40	5.51	6.27	1.82	1.70	7.36	6.82	1.94	4.95	1.91	6.38	5.47	54.53
1962	4.88	2.24	2.49	6.28	2.41	4.04	1.90	0.30	4.87	3.29	5.05	1.59	39.34
1963	1.87	1.20	1.87	8.15	1.48	2.52	3.34	0.87	3.94	0.00	3.87	3.74	32.85

M - Missing

STATION HISTORY

Temperature and rainfall records at Longview date back to April 1882; however, there are many breaks in the records in these early years. Records are continuous from January 1889 to the present. Although the weather instruments have been at six different locations during the history of the station, all observations have been within two and one-half miles of the Post Office. The station is presently located at 906 East Morgan Street, 1.7 miles southeast of the Post Office. Climatological data for Longview are published in Section 32, CLIMATIC SUMMARY OF THE UNITED STATES, for the period 1882 through 1930, and in CLIMATIC SUMMARY OF THE UNITED STATES - SUPPLEMENT FOR 1931 THROUGH 1952. Data for subsequent years are published monthly in CLIMATOLOGICAL DATA - TEXAS.

OBSERVER	BEGAN	ENDED
B. W. Kreck	June, 1888	June, 1903
C. H. Worrell	July, 1903	December, 1904
J. L. Little	January, 1905	January, 1905
C. A. Probst	February, 1905	March, 1920
H. H. Hoett	April, 1920	February, 1926
C. W. Bearden	March, 1926	August, 1926
Roy A. Koon	September, 1926	October, 1926
E. D. Griffin	November, 1926	April, 1927
E. L. Reeves	May, 1927	June, 1927
C. B. Holbrook	October, 1927	March, 1929
Willie M. Lamb	April, 1929	March, 1935
R. C. Stratton	April, 1935	March, 1943
W. R. W s	April, 1943	January, 1946
A. A. Eberhardt	February, 1946	March, 1949
Wayne G. Millard	April, 1949	Present

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