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

CLIMATOLOGICAL SUMMARY

LATITUDE 30° 02' N
LONGITUDE 99° 08' W
ELEV. (GROUND) 1650 feet

STATION KERRVILLE, TEXAS

MEANS AND EXTREMES FOR PERIOD 1928-1957

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	30	
Jan	60.6	33.0	46.8	91	1943	-7	1949	580	1.75	2.68	1934	0.6	7.0	1926	4.5	1940	4	*	1	16	*	Jan
Feb	64.4	36.6	50.5	91	1940	-5	1949	430	1.98	3.94	1941	0.4	8.0	1941	8.0	1941	4	*	*	11	*	Feb
Mar	71.5	41.8	56.7	97	1954+	14	1943+	300	1.99	3.85	1945	T	7.0	1915	T	1953+	3	1	*	7	0	Mar
Apr	78.0	50.2	64.1	99	1943	26	1938	100	3.01	3.21	1932	0	T	1953+	T	1953+	5	2	0	1	0	Apr
May	83.6	58.9	71.3	100	1939+	31	1929	30	4.66	4.60	1952	0	T	1953+	T	1953	6	6	0	*	0	May
Jun	90.0	66.0	78.0	103	1948+	46	1933	0	2.95	5.00	1947	0	0	--	0	--	4	17	0	0	0	Jun
Jul	93.8	67.7	80.8	110	1954	56	1940	0	2.30	4.85	1955	0	0	--	0	--	4	26	0	0	0	Jul
Aug	95.1	66.9	81.0	108	1936	51	1936	0	1.55	2.95	1941	0	0	--	0	--	3	28	0	0	0	Aug
Sep	88.8	61.7	75.3	105	1953+	35	1942	0	4.27	6.42	1936	0	0	--	0	--	5	16	0	0	0	Sep
Oct	80.5	51.8	66.2	99	1953+	27	1955	80	2.96	5.50	1957	0	0	--	0	--	4	3	0	1	0	Oct
Nov	67.5	40.1	53.8	88	1948+	12	1951+	350	1.67	1.69	1946	0.2	3.5	1957	3.5	1957	4	*	*	9	0	Nov
Dec	62.7	33.5	48.1	89	1955	-4	1929	520	2.13	4.00	1952	0.3	6.0	1929	6.0	1929	4	0	*	16	*	Dec
Year	78.0	50.7	64.4	110	Jul 1954	-7	Jan 1949	2390	31.22	6.42	Sep 1936	1.5	8.0	Feb 1941	8.0	Feb 1941	50	99	1	61	*	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 KERR COUNTY, TEXAS

Kerr County lies across the cedar-liveoak-mesquite covered hills, valleys and uplands of the Hill Country in southwest Texas at the edge of the Edwards Plateau. Kerr County was named for James Kerr, manager of DeWitt's colony, who was prominent in the days of the Texas Republic. The county was created and organized from Bexar County in 1856.

The western part of the county is on a rolling cedar-mesquite-oak covered plain. The eastern part breaks into deep valleys of the Guadalupe River and its tributaries. It has spring-fed streams with cypress and pecan groves. The county has thin limestone soils with sandy loam on the uplands and alluvial soil in the bottomland. Kerr County is an outstanding tourist resort for hunting deer, turkey and other game in season. Chief industries are sheep, goat and cattle ranching and meeting the needs of vacationists and hunters. Kerrville, the county seat, is an important primary wool and mohair market. It serves a wide area as a banking and distribution center, and is one of Texas' best known resorts.

The climate of Kerr County is mainly continental during the winter. Continental type climates are characterized by a wide daily range of temperature, as well as great seasonal variation in temperature. Rainfall tapers off from east to west rather sharply. Annual totals range from about 32 inches on the eastern edge of Kerr County to about 22 inches on the western perimeter. In winter cold polar air dominates the climate of the county by a slight margin. The accompanying low temperatures with the polar air are not too extreme because the main push of cold air is generally east of the county. Usually within two days of a cold frontal passage, southerly flow from the Gulf sets in moderating the temperatures. The lowest temperature recorded since 1896 was -7 degrees (seven below zero) in January, 1949. Wintertime temperatures average 48 degrees. The daytime high temperatures are about 62 degrees, and nighttime lows are around 34 degrees. Some sleet or light snow falls each winter, but is of little significance as a source of moisture and is usually not heavy enough to create a driving hazard, except in the hills. Most of the winter precipitation occurs as slow, steady, light rain. Winter precipitation averages about six inches. About 50 per cent of the maximum possible winter sunshine is received.

As spring progresses, cold fronts become milder and less frequent but squall lines often bring heavy rains. The Gulf of Mexico asserts a marked influence during the spring months of April and May as warm moist air streams northward. Showers and thunderstorms are at a maximum in April and May. Some of these thunderstorms become severe, with high winds and occasional hail. Springtime temperatures are mild and pleasant. By April many recreation seekers are visiting the numerous scenic areas in the county. The average date of the last occurrence of 32-degree temperatures in the spring is April 1. The latest date of occurrence of 32-degree temperatures is May 4, and the earliest date is February 23.

Summers are hot and comparatively dry. After mid-June fronts are well to the north of the county. July and August are the driest months of the year, since most of the summertime rains come from isolated afternoon and evening showers. Daytime temperatures are in the low 90's through most of the summer except in the hilly parts of the county. Several consecutive days with temperatures of 100 degrees or above are not uncommon. The effect of these high temperatures is moderated by low relative humidities. After sunset temperatures fall rapidly and reach the 60's by sunrise.

Autumn precipitation shows a sharp increase in September as squall lines and scattered thunderstorms are set off by the early autumn cool fronts. Occasional tropical disturbances contribute to the September and early October rainfall. Excessive rains sometimes occur as cool fronts move downstate and become stationary just to the south, or as dying tropical storms move inland over the area. Temperatures during the first half of September remain rather high but begin to fall as "northers" increase in frequency and intensity during the latter half of the month. The average date of the first 32-degree temperature occurrence is November 5. The earliest date of first occurrence of 32-degree temperatures is October 8, and the latest date is December 3.

KERRVILLE, TEXAS

Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1928	46.9	50.2	59.0	60.3	69.9	77.9	82.4	81.6	72.6	68.2	53.6	47.0	64.1
1929	47.4	44.4	58.8	66.7	69.4	75.3	78.3	80.7	74.4	65.8	45.0	45.6	62.6
1930	36.6	54.4	52.6	66.7	69.6	75.2	80.1	81.5	76.6	63.4	52.3	42.9	62.7
1931	45.6	50.6	49.6	57.7	65.0	75.6	78.0	77.5	78.4	71.4	58.7	46.2	62.9
1932	48.0	55.1	50.3	64.2	69.0	78.2	79.0	79.2	70.8	61.7	49.7	43.8	62.4
1933	51.3	46.4	58.9	63.3	73.2	75.9	82.5	81.6	80.2	70.7	58.4	55.0	66.4
1934	49.6	49.8	55.2	63.8	72.1	82.4	83.3	83.4	77.5	70.8	59.3	51.4	66.6
1935	51.8	49.5	63.6	66.6	70.1	76.3	80.8	81.8	72.0	67.8	55.0	47.7	65.2
1936	45.4	47.8	59.2	62.6	70.8	79.0	79.4	80.9	75.4	60.4	51.7	50.0	63.6
1937	45.8	50.4	51.3	63.3	73.4	78.9	81.3	83.6	76.0	65.4	53.3	47.4	64.2
1938	49.2	55.1	63.2	62.0	71.3	79.9	81.2	81.8	75.7	67.0	53.5	49.0	65.7
1939	49.6	47.8	60.0	66.0	75.8	80.9	81.8	80.0	76.9	66.9	52.4	50.4	65.7
1940	38.8	49.3	58.4	64.2	71.3	74.6	80.0	80.7	73.5	66.6	53.6	50.6	63.5
1941	50.1	48.8	51.9	63.6	72.8	77.0	79.7	81.6	75.8	69.8	54.1	49.3	64.5
1942	44.0	47.4	54.4	65.0	71.4	80.0	79.8	80.9	73.5	64.6	60.4	50.3	64.3
1943	44.9	53.0	54.4	67.5	73.0	77.9	80.4	83.2	72.6	61.8	52.0	44.8	63.8
1944	44.4	52.3	54.6	61.8	67.3	77.2	80.8	80.6	73.6	64.1	56.0	44.2	63.1
1945	47.3	51.8	62.4	62.6	71.0	77.3	80.2	80.4	76.1	63.8	58.1	46.0	64.8
1946	44.8	49.6	58.4	66.6	70.7	76.3	80.7	80.0	75.2	67.3	54.5	49.8	64.5
1947	41.7	43.4	51.8	62.8	70.6	79.0	79.6	79.8	75.6	72.2	51.8	48.6	63.1
1948	44.8	48.8	55.5	68.2	73.8	80.1	82.8	80.8	73.4	64.3	52.5	49.8	64.6
1949	42.2	53.1	57.0	59.4	73.5	76.9	79.4	77.5	75.2	64.7	M	M	--
1950	53.9	53.9	56.6	63.8	72.7	77.3	79.9	79.1	75.5	69.1	54.1	47.9	65.3
1951	44.9	48.4	57.6	64.0	71.1	78.1	83.4	83.5	78.0	69.8	53.7	50.3	65.2
1952	53.7	53.4	54.4	61.3	68.7	77.8	79.8	83.5	73.2	59.7	54.1	45.7	63.8
1953	49.1	48.9	62.3	63.8	71.9	82.6	82.5	80.9	72.9	66.0	52.6	43.7	64.8
1954	49.4	53.9	55.7	69.6	70.7	79.3	82.3	82.8	77.5	67.6	53.6	51.7	66.2
1955	46.7	49.7	58.7	70.0	73.8	77.1	80.5	80.3	77.2	64.3	53.2	48.2	65.0
1956	46.9	50.1	57.2	64.9	75.1	80.7	81.4	80.7	74.9	67.9	52.2	50.0	65.2
1957	48.9	57.8	56.4	61.6	68.7	76.0	81.6	81.2	72.6	61.3	51.4	48.8	63.8

M = Missing.

KERRVILLE, TEXAS

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1928	0.47	2.84	0.62	1.34	3.44	3.91	2.01	1.78	5.07	0.61	1.07	2.18	25.34
1929	1.59	0.88	1.88	1.29	10.45	1.78	2.56	0.15	3.57	2.75	2.44	2.45	31.79
1930	0.57	0.62	1.48	1.58	7.52	4.88	1.41	0.61	1.00	11.52	2.40	0.97	34.56
1931	4.37	2.41	2.71	4.28	3.95	4.38	3.85	2.14	0.09	1.02	2.57	3.30	35.07
1932	2.51	2.59	3.74	3.95	3.89	1.61	9.01	2.71	7.44	0.06	0.67	3.35	41.53
1933	2.87	1.97	0.81	0.54	4.84	0.37	0.98	2.16	2.81	0.47	0.85	0.47	19.14
1934	5.70	1.15	1.88	2.32	3.49	0.15	2.56	0.06	3.71	0.23	0.93	2.04	24.22
1935	1.10	2.84	0.31	1.36	12.82	11.04	1.84	0.11	8.73	2.48	0.75	5.91	49.29
1936	0.40	0.55	0.96	2.81	5.03	4.08	4.20	1.71	19.94	3.95	2.28	1.77	47.68
1937	1.23	0.10	2.15	0.21	2.62	6.05	1.58	0.03	3.61	2.48	1.97	5.07	27.10
1938	2.77	2.47	1.50	4.91	2.77	0.40	2.21	0.80	1.36	0.03	0.72	1.01	20.95
1939	3.88	1.89	1.46	0.81	2.89	1.49	5.29	1.07	0.98	4.28	2.96	1.42	28.42
1940	0.80	3.23	2.33	4.47	5.34	6.62	1.41	3.02	1.34	2.31	3.10	5.17	39.14
1941	0.66	5.86	4.27	5.16	2.46	1.99	1.81	3.15	7.10	6.02	0.71	0.47	39.66
1942	0.13	1.30	0.66	6.86	4.09	0.63	0.66	1.61	4.15	6.95	0.62	1.50	29.16
1943	0.39	0.12	1.97	2.01	3.98	3.44	2.32	0.01	4.04	0.66	0.96	1.48	21.38
1944	2.98	3.20	2.68	0.66	9.71	1.77	0.35	4.56	3.29	1.43	2.64	3.60	36.87
1945	2.81	3.10	6.12	2.08	1.77	2.70	1.01	1.82	4.95	4.09	0.71	2.73	33.89
1946	2.72	1.68	0.80	3.34	4.52	3.61	0.25	1.44	5.91	4.53	3.53	2.15	34.48
1947	3.77	0.33	2.20	2.82	3.29	5.32	0.39	3.43	0.26	1.65	2.50	1.23	27.19
1948	M	2.06	0.97	2.70	1.69	4.23	3.36	0.70	3.68	1.88	0.85	1.31	--
1949	3.64	3.94	2.31	5.27	3.12	4.14	4.16	4.10	5.45	2.63	M	M	--
1950	0.64	2.22	0.44	3.25	3.36	3.81	2.88	3.52	2.03	0.10	0.45	T	22.70
1951	0.11	1.34	3.35	1.43	6.65	1.85	0.05	0.06	0.69	0.98	0.64	1.00	18.15
1952	0.28	1.65	3.26	7.02	6.25	1.60	2.25	0.05	10.13	0.00	2.71	5.71	40.91
1953	0.10	1.80	3.22	1.37	1.20	0.05	2.50	2.12	4.86	7.29	0.96	0.89	26.36
1954	0.68	0.16	0.64	2.66	3.03	1.85	0.20	0.35	0.78	3.08	0.96	0.25	14.64
1955	2.20	1.93	0.24	0.45	5.71	2.25	7.03	1.36	3.84	1.88	0.78	1.23	28.90
1956	0.71	1.61	0.20	1.73	1.20	0.45	0.88	1.45	0.69	1.65	1.22	2.25	14.04
1957	0.77	2.41	4.47	11.62	8.77	1.95	0.10	0.52	6.57	11.83	5.27	0.81	55.09

M = Missing.
T = Trace, an amount too small to be measured.

HISTORY OF WEATHER OBSERVATIONS AT KERRVILLE, TEXAS

Temperature and rainfall records were started at Kerrville in Kerr County on August 1, 1895. Although instruments have been at five different locations, all the observations have been within one mile of the Post Office. Public spirited citizens have continued the record over the years on a cooperative basis. Weather observers and their periods of service are as follows:

OBSERVER	BEGAN	ENDED
W.Y. Candlin	January, 1897	September, 1897
J.H. Parsons	December, 1901	July, 1903
Mrs. Florence Coleman	August 1, 1903	March 31, 1911
R.E. Horne	April 1, 1911	July 31, 1915
W.D. Horne	August 1, 1915	April 30, 1925
J.N. Ewing	May 1, 1925	May 31, 1942
Effie P. Ewing	June 1, 1942	May 15, 1944
Mrs. Elva J. Harris	May 15, 1944	-

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