

U. S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
in cooperation with  
Natural Fibers Economic Research and  
Bureau of Business Research of  
The University of Texas at Austin

CLIMATOGRAPHY OF THE UNITED STATES NO. 20-41

LATITUDE 29° 47' N  
LONGITUDE 96° 09' W  
ELEV. (GROUND) 201 ft.

CLIMATOLOGICAL SUMMARY

STATION SEALY, TEXAS

MEANS AND EXTREMES FOR PERIOD 1942-1971

Month	Temperature (°F)								** Mean heating degree days	Precipitation Totals (Inches)							Mean number of days						Month
	Means				Extremes					Mean	Greatest daily	Year	Snow, Ice Pellets				Precip. .10 inch or more 90° and above	Temperatures					
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year	Mean					Maximum monthly	Year	Greatest Depth	Year		Max.		Min.			
																		32° and below	32° and below	0° and below	0° and below		
(a)	30	30	30	30		30		16	30	30		29			16		16	16	16	16			
Jan	63.8	42.6	53.2	85	1971+	5	1949	412	2.98	3.52	1945	0.1	3.5	1949	0		5	0	0	7	0	Jan	
Feb	67.3	45.5	56.4	87	1962	8	1951	293	3.25	4.65	1961	0			0		6	0	0	0	0	Feb	
Mar	73.8	50.4	62.1	94	1946	20	1943	155	2.31	5.35	1957	0			0		4	*	0	1	0	Mar	
Apr	81.1	59.3	70.2	95	1963	37	1962+	28	3.53	5.26	1952	0			0		4	1	0	0	0	Apr	
May	86.9	65.4	76.2	99	1967	42	1954	1	4.50	5.26	1959	0			0		5	5	10	0	0	May	
Jun	91.9	70.4	81.2	106	1967	54	1970	*	3.84	5.38	1950	0			0		5	23	0	0	0	Jun	
Jul	94.5	72.1	83.3	110	1954	56	1967	0	2.89	5.90	1961	0			0		3	28	0	0	0	Jul	
Aug	96.2	71.6	83.9	108	1962+	58	1967	0	2.88	11.00	1945	0			0		5	27	0	0	0	Aug	
Sep	90.8	67.6	79.2	106	1951	42	1942	1	3.88	6.05	1961	0			0		5	19	0	0	0	Sep	
Oct	83.9	58.8	71.4	99	1955	35	1967	27	3.68	4.82	1957	0			0		4	5	0	0	0	Oct	
Nov	73.9	49.9	61.9	91	1955	23	1970	159	2.98	3.30	1952	0			0		5	*	0	2	0	Nov	
Dec	66.8	44.9	55.9	88	1948	15	1950	313	3.73	4.80	1945	0			0		6	0	0	4	0	Dec	
Year	80.9	58.2	69.6	110	Jul. 1954	5	Jan. 1949		40.45	11.00	Aug. 1945	0.1	3.5	1949	0								Year

(a) Average length of record, years.

+ Also on earlier dates, months, or years.

† Trace, an amount too small to measure.

\* Less than one half.

\*\* Base 65°F

THE CLIMATE OF SEALY, TEXAS

Sealy is located on gently rolling prairie and farm land in the Brazos Valley. The soil is black, rich, and alluvial; to the west is a post oak belt. Sealy is in Austin County which was created in 1836. The county was named for Stephen F. Austin and was considered the birthplace of Anglo-American Colonization. Minerals of the area are oil, gas, sand, and gravel. Sealy is just four miles west of Stephen F. Austin State Park. The area is agricultural in nature with livestock, poultry, cotton, grain, and peanuts as the major crops. A good many vegetables are grown in the area for sale in the Houston market of over one million people. Ground elevation of the area is from 150 to 400 feet above sea level. Sealy is just 48 miles from Houston and 78 miles from the Gulf of Mexico. The city is located about one mile north of Interstate Highway 10 which runs from Houston to San Antonio and is on State Highway 36 which runs from Rosenberg to Brenham. The town is 28 miles from Rosenberg and 32 miles from Brenham. Sealy has a population of 2,685 and is the crossroads of the Missouri-Kansas-Texas (MKT) and the Atchison, Topeka, and Santa Fe Rail Company lines. Sealy is becoming industrialized with a gasoline plant; mattress and box springs plant; cottonseed oil mill; leather goods manufacturer; livestock feed mill; burglar and fire alarm manufacturer; and steel fabricating plants for doors, frames, and steel bars.

The climate of Sealy is humid subtropical with hot summers. During the spring, summer, and fall months, Tropical Maritime air masses predominate and, along with the proximity of the warm Gulf of Mexico, largely control the climate of the region. Average annual rainfall of Sealy is 40.45 inches and is fairly evenly distributed throughout the year. The wettest month is May with 4.50 inches and the driest is March with 2.31 inches. The wettest year was 1919 with 63.70 inches, while the driest year was 1954 with 22.61 inches.

Winter: Temperatures are mild and periods of cold weather do not last longer than three days as the polar air masses undergo considerable warming before reaching this region. There is often

considerable cloudiness in the mornings which breaks up to form partly cloudy skies during the early afternoons. Precipitation most often falls in the form of light steady rain, and snow is seldom seen and generally melts before reaching the ground. Freezing temperatures are confined to the two or three hours near sunrise. The record low temperature is 2°F and occurred on January 18, 1930.

Spring: The season furnishes a variety of weather and temperatures are quite pleasant. Thundershower activity increases in April after the driest month, March. Occasionally, late spring or early summer thunderstorms are accompanied by strong winds, which are slightly stronger than those at other times of the year.

Summer: The weather is warm and humid with small variations from day to day. Slow moving thunderstorms occasionally dump excessive amounts of precipitation on the area. Sunshine received averages 70 percent annually as cloudiness at this time of the year is at a minimum. The record maximum temperature recorded is 110°F and occurred on July 26, 1954. Refrigerated air conditioning is recommended for maximum comfort indoors and while traveling.

Fall: Temperatures continue warm and begin to cool with the increase in cool fronts as they penetrate the area again. Generally moderate temperatures prevail, with low wind velocities and longer periods of fair weather make the fall season ideally suited for outdoor activities, and is perhaps the most pleasant time of the year.

Sealy is located some 78 miles inland, safely beyond the reach of the storm surge—the most destructive of hurricane forces, and tropical storms are very rare. The mean length of the warm season in Sealy is 282 days. The mean dates of the last occurrence of 32°F or below in the spring is February 26, while the first occurrence of 32°F or below in the fall is December 6.

SEALY, TEXAS

Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1942	49.8	53.6	61.4	69.0	76.0	82.2	81.4	83.0	76.5	71.3	64.4	57.9	68.9
1943	53.2	60.8	69.4	72.4	78.2	82.1	83.8	83.8	76.7	70.0	59.8	53.2	69.4
1944	52.5	62.6	68.8	70.0	74.2	82.4	85.7	85.6	80.1	70.9	63.2	53.0	70.2
1945	54.1	59.8	64.7	71.5	76.5	82.4	84.6	84.8	79.9	70.3	67.4	54.4	70.9
1946	52.4	58.0	64.7	71.5	76.5	82.4	83.1	83.2	78.4	72.8	63.8	58.4	70.1
1947	51.6	49.6	57.4	70.4	75.2	81.9	83.2	82.3	79.1	76.4	59.9	56.4	68.6
1948	47.4	55.0	62.7	72.3	77.2	82.9	85.7	87.0	80.1	72.4	62.5	60.5	70.5
1949	52.2	59.7	65.8	72.9	79.2	83.3	84.0	82.2	81.0	72.8	53.7	58.2	70.5
1950	51.7	61.0	61.7	68.8	73.5	80.8	83.8	84.4	79.7	74.4	60.1	59.1	71.2
1951	54.8	60.8	65.4	69.1	76.3	82.9	85.8	85.4	81.5	74.4	60.1	53.6	71.0
1952	63.0	60.7	61.4	66.4	76.0	83.8	84.0	83.4	78.4	71.7	50.3	51.2	70.5
1953	58.1	54.9	69.2	68.3	73.7	82.9	85.9	85.4	82.8	74.2	61.2	58.0	71.5
1954	57.4	61.5	61.6	73.0	78.0	82.9	85.7	83.0	81.2	75.0	62.6	56.1	70.4
1955	55.0	56.0	64.6	68.9	78.2	81.8	85.8	85.2	81.6	75.0	60.7	59.5	71.1
1956	53.9	59.5	63.2	69.2	76.6	81.0	85.3	85.1	78.3	67.8	61.1	58.3	70.4
1957	56.4	63.1	62.0	69.9	76.9	83.8	85.2	85.7	80.3	69.8	52.9	52.0	68.9
1958	50.8	50.7	58.3	69.9	76.9	81.8	82.6	82.8	79.9	71.5	57.5	55.0	68.7
1959	51.1	56.3	60.6	66.5	78.1	81.8	82.6	82.6	82.6	78.3	67.7	68.4	68.4
1960	52.2	49.4	57.4	65.1	70.7	74.3	82.8	84.0	80.8	78.7	63.7	51.9	68.5
1961	48.7	62.6	66.1	67.7	76.1	79.6	81.9	80.8	80.8	78.7	70.4	55.4	69.5
1962	47.6	62.6	66.1	67.7	76.1	80.3	81.2	86.4	80.3	74.5	60.7	54.0	69.5
1963	45.9	53.8	66.1	74.1	77.8	82.3	83.5	84.2	79.7	73.7	62.5	45.9	69.2
1964	52.5	50.4	60.9	72.0	77.0	80.3	83.2	84.3	80.1	66.4	53.9	53.4	68.7
1965	56.4	54.0	58.0	73.0	76.6	81.1	83.5	83.2	80.1	67.3	65.9	55.9	69.8
1966	47.4	51.5	61.6	70.6	74.4	78.9	83.3	82.1	77.5	68.7	64.3	53.1	67.8
1967	53.4	54.1	56.9	75.7	75.7	81.9	83.4	81.5	77.1	59.6	53.7	54.5	59.8
1968	51.5	50.1	59.3	70.2	75.9	79.5	81.1	82.5	76.0	72.4	59.1	54.6	67.7
1969	55.7	55.4	56.0	69.9	74.1	81.0	85.9	85.7	80.3	73.1	51.5	57.8	69.9
1970	48.5	55.9	58.5	70.8	72.9	79.6	81.9	83.0	78.2	66.5	58.4	51.6	68.1
1971	59.6	57.5	63.5	69.3	75.6	82.3	85.1	83.5	76.9	71.2	60.6	61.7	70.3

STATION HISTORY

A climatological station was established at Sealy October 21, 1910, at an in-town location until March 1917. In June 1918, it was re-established one and one-half miles south of the post office until August 1942. Since March 1, 1920, the station equipment consisted of a cotton region shelter, maximum and minimum thermometers, and a standard eight-inch non-reading rain gage. In August 1942 the station was relocated at its present site one-half mile southeast of the post office. Daily temperature and precipitation data are published in Climatological Data—Texas. Station index number: 41-8160-7.

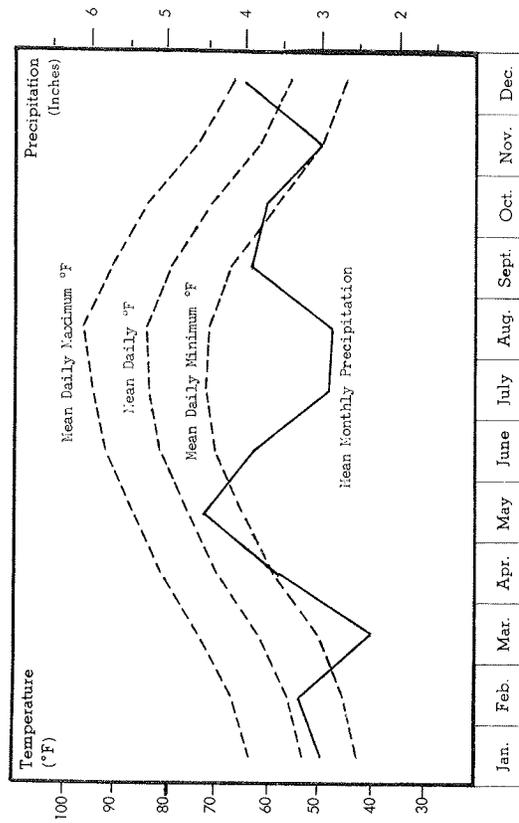
Climatologist for Texas  
National Weather Service  
3600 Manor Road, Austin, Texas 78723  
March 1973

SEALY, TEXAS  
Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1942	0.43	1.75	1.13	7.47	0.26	3.23	7.78	5.35	2.69	3.34	2.52	1.45	37.44
1943	3.19	1.54	3.30	0.41	4.82	0.36	12.82	1.37	3.05	1.27	4.43	5.21	41.79
1944	8.21	2.77	7.34	1.81	7.11	2.59	0.10	4.78	1.81	0.75	5.31	4.55	47.24
1945	4.34	3.30	3.29	4.01	0.79	2.55	3.04	19.31	1.74	4.58	1.13	7.30	55.49
1946	5.53	4.17	1.97	2.52	9.72	6.40	3.07	4.29	5.31	3.88	7.61	2.02	57.43
1947	4.63	0.87	2.42	1.95	5.98	0.84	1.29	5.82	0.91	1.68	3.07	5.27	34.93
1948	3.20	3.25	1.05	2.90	5.23	1.24	0.92	0.56	1.40	0.15	0.37	0.37	22.64
1949	3.84	5.54	4.90	6.90	4.21	2.05	8.90	0.75	3.17	8.11	0.44	6.39	52.32
1950	2.63	5.08	1.07	5.25	4.31	7.54	1.83	0.84	4.29	0.39	0.76	2.66	36.80
1951	2.29	1.42	4.99	1.75	2.04	4.03	1.15	10.66	1.08	1.67	1.96	1.96	33.68
1952	1.20	2.32	2.18	7.55	6.43	1.22	6.25	T	0	8.19	5.61	43.45	
1953	1.23	2.45	0.19	4.88	8.14	2.19	1.28	10.01	3.80	2.87	6.12	5.80	49.45
1954	1.56	0.10	0.72	3.23	1.22	2.44	2.65	0.34	0.87	3.17	1.44	3.57	22.61
1955	2.43	4.44	0.53	0.64	9.24	3.06	4.68	4.95	2.42	0.95	1.02	4.56	22.78
1956	3.79	2.88	0.47	2.77	2.35	0.23	0.23	0.50	0.21	1.52	0.93	1.37	53.18
1957	1.45	2.90	10.70	5.70	3.18	2.80	0.11	1.97	7.47	10.13	6.00	1.99	43.01
1958	5.07	3.01	1.00	1.67	5.28	5.94	2.12	1.39	3.54	7.13	1.34	5.05	54.58
1959	0.74	5.98	1.14	9.81	8.31	3.73	3.45	4.35	3.54	10.01	3.38	5.55	51.70
1960	3.10	3.72	1.65	4.18	0.85	9.75	3.39	5.44	0.66	1.09	4.37	5.55	54.89
1961	2.73	8.59	0.48	3.80	2.25	11.96	6.65	2.55	9.43	2.41	2.56	5.16	35.05
1962	1.20	3.02	0.83	4.93	1.00	7.95	1.08	1.75	3.17	2.41	3.85	3.09	22.68
1963	3.15	2.75	0.49	0.98	0.91	4.53	1.50	0.53	0.53	0.18	3.50	2.51	38.57
1964	2.85	3.41	2.60	2.27	3.41	4.31	1.83	2.58	5.62	3.85	3.30	5.07	46.10
1965	2.96	3.71	0.73	1.06	8.52	3.64	0.44	1.32	6.87	5.60	6.57	5.07	36.40
1966	1.13	3.77	1.72	4.37	7.37	3.60	0.81	4.95	1.21	1.65	0.52	2.98	36.40
1967	1.85	1.81	1.02	1.55	4.83	0.13	0.78	3.34	5.27	3.92	0.55	1.61	29.46
1968	7.17	1.51	3.01	3.12	10.32	12.82	3.00	1.49	5.55	1.89	4.60	5.53	61.04
1969	2.06	3.50	3.96	3.12	3.00	1.28	0.96	1.49	1.88	1.40	2.24	3.41	31.91
1970	2.32	2.56	4.59	2.37	4.00	0.43	3.25	2.80	4.71	12.51	0.15	0.56	40.77
1971	0.15	1.53	0.10	1.50	2.44	1.08	0.47	7.72	9.53	5.05	1.13	8.39	39.20

T - Trace

Monthly Temperatures and Precipitation



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.