U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: POST, TX **COOP ID: 417206**

Climate Division: TX 2 **NWS Call Sign:** **Elevation: 2,620 Feet** **Lat: 33˚11N** **Lon: 101˚23W**

Temperature (˚F)

	Mean (1)			Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	54.2	27.8	41.0	84+	1972	24	46.2	1989	0+	1971	6	31.6	1979	745	0	.0	.0	20.4	2.4	22.8	.1
Feb	60.1	31.5	45.8	89+	1996	23	53.8	1976	-1	1985	2	36.1	1978	538	0	.0	.0	22.3	1.6	15.8	@
Mar	68.4	38.2	53.3	99	1971	28	59.4	1974	5	1980	2	48.7	1987	367	3	.0	.5	28.4	.2	7.6	.0
Apr	76.8	46.6	61.7	101	1972	13	67.4	1972	22+	1975	4	54.6	1997	153	55	.1	3.3	29.3	.0	1.5	.0
May	84.2	56.5	70.4	110	2000	25	77.7	1996	36	1970	1	66.3	1976	37	203	1.4	8.8	31.0	.0	.0	.0
Jun	90.8	65.3	78.1	115	1994	28	83.7	1998	45	1999	16	74.2	1982	1	393	3.4	18.4	30.0	.0	.0	.0
Jul	94.0	69.6	81.8	108+	1989	19	87.1	1980	56+	1990	15	76.6	1976	0	520	4.8	25.4	31.0	.0	.0	.0
Aug	92.3	68.4	80.4	107	1964	7	84.6	1983	51	1979	12	75.1	1971	1	476	2.9	23.0	31.0	.0	.0	.0
Sep	85.3	61.2	73.3	104+	2000	6	79.8	1998	37+	1989	24	65.3	1974	21	270	.8	11.5	29.9	.0	.0	.0
Oct	77.0	50.5	63.8	103	1977	1	67.7	1998	22	1993	31	56.7	1976	103	64	.2	2.5	30.5	.0	.6	.0
Nov	64.7	37.9	51.3	90	1996	21	57.9	1999	8	1976	14	44.4	1976	418	6	.0	@	26.1	.4	8.7	.0
Dec	56.1	30.1	43.1	84	1964	24	47.1	1980	-1+	1989	23	32.0	1983	679	0	.0	.0	22.1	1.7	20.1	.1
Ann	75.3	48.6	62.0	115	Jun 1994	28	87.1	Jul 1980	-1+	Dec 1989	23	31.6	Jan 1979	3063	1990	13.6	93.4	332.0	6.3	77.1	.2

\+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1910-2001

(3) Derived from 1971-2000 serially complete daily data

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: POST, TX **COOP ID: 417206**

Climate Division: TX 2 **NWS Call Sign:** **Elevation: 2,620 Feet** **Lat: 33˚11N** **Lon: 101˚23W**

Precipitation (inches)

Precipitation Totals

Month	Means/ Medians(1) Mean	Means/ Medians(1) Median	Extremes Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year
Jan	.58	.34	2.60	1939	8	3.00	1973	.00+	2000
Feb	.98	.51	2.21	1911	17	3.30	1997	.00+	1999
Mar	.76	.65	2.32	1973	10	2.72	1973	.00	1975
Apr	1.43	.85	3.26	1925	27	6.47	1997	.00	1991
May	3.01	2.77	3.68	1992	23	7.57+	1992	.20	1998
Jun	2.83	2.55	5.56	1963	8	7.84	2000	.02	1974
Jul	2.03	1.39	4.20+	1955	20	6.09	1976	.00+	1999
Aug	2.88	2.14	4.66	1972	13	11.49	1972	.29	1987
Sep	3.07	2.79	3.43	1978	21	8.23	1980	.00+	2000
Oct	2.05	.93	6.75	1926	15	9.74	1981	.00+	1995
Nov	.89	.66	2.52	1920	8	2.85	1984	.00+	1989
Dec	.78	.56	2.00	1926	6	4.90	1991	.00+	2000
Ann	21.29	21.03	6.75	Oct 1926	15	11.49	Aug 1972	.00+	Dec 2000

Mean Number of Days (3)

Month	Daily Precipitation >= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	3.1	1.5	.4	.1
Feb	3.4	2.3	.5	.3
Mar	3.2	1.6	.4	.1
Apr	4.6	3.1	.9	.3
May	6.2	5.0	2.2	.9
Jun	5.8	4.2	1.9	.8
Jul	4.8	3.6	1.4	.4
Aug	5.7	3.9	2.0	1.0
Sep	5.6	4.0	2.0	1.2
Oct	4.3	2.7	1.1	.5
Nov	3.1	1.9	.7	.2
Dec	3.3	1.6	.4	.1
Ann	53.1	35.4	13.9	5.9

Precipitation Probabilities (1)

Probability that the monthly/annual precipitation will be equal to or less than the indicated amount

Monthly/Annual Precipitation vs Probability Levels
These values were determined from the incomplete gamma distribution

Month	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.00	.00	.00	.09	.20	.33	.50	.71	1.01	1.53	2.04
Feb	.00	.04	.17	.31	.47	.66	.89	1.19	1.61	2.32	3.04
Mar	.01	.05	.15	.25	.37	.51	.69	.91	1.23	1.78	2.32
Apr	.03	.11	.29	.49	.72	.99	1.31	1.73	2.32	3.33	4.33
May	.62	.89	1.33	1.73	2.14	2.58	3.07	3.66	4.44	5.70	6.88
Jun	.33	.55	.94	1.34	1.76	2.23	2.78	3.46	4.38	5.90	7.38
Jul	.00	.15	.47	.79	1.12	1.50	1.96	2.51	3.28	4.56	5.82
Aug	.20	.38	.75	1.14	1.58	2.09	2.71	3.49	4.57	6.40	8.21
Sep	.00	.00	.44	.91	1.44	2.06	2.81	3.78	5.11	7.39	9.66
Oct	.00	.00	.11	.33	.63	1.04	1.58	2.33	3.45	5.47	7.57
Nov	.00	.02	.11	.23	.37	.55	.77	1.07	1.49	2.22	2.96
Dec	.00	.00	.05	.15	.28	.44	.65	.93	1.33	2.03	2.75
Ann	13.02	14.53	16.51	18.05	19.44	20.80	22.23	23.82	25.78	28.67	31.20

\+ Also occurred on an earlier date(s)
\# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
****** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1910-2001
(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Services

Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: POST, TX **COOP ID: 417206**

Climate Division: TX 2 **NWS Call Sign:** **Elevation: 2,620 Feet** **Lat: 33°11N** **Lon: 101°23W**

Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	1.8	.0	#	0
Feb	2.2	.0	#	0
Mar	.3	.0	#	0
Apr	.1	.0	0	0
May	.0	.0	0	0
Jun	.0	.0	0	0
Jul	.0	.0	0	0
Aug	.0	.0	0	0
Sep	.0	.0	0	0
Oct	.1	.0	#	0
Nov	1.3	.0	#	0
Dec	.8	.0	#	0
Ann	6.6	.0	N/A	N/A

Extremes (2)

Month	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year
Jan	7.0	1992	18	10.0	1992	#+	1993	20	#+	1993
Feb	6.0	1973	22	16.5	1973	3	1987	20	#+	1993
Mar	5.5	1972	31	5.5	1972	#	1995	2	#	1995
Apr	2.0	1988	1	2.0	1988	0	0	0	0	0
May	.0	0	0	.0	0	0	0	0	0	0
Jun	.0	0	0	.0	0	0	0	0	0	0
Jul	.0	0	0	.0	0	0	0	0	0	0
Aug	.0	0	0	.0	0	0	0	0	0	0
Sep	.0	0	0	.0	0	0	0	0	0	0
Oct	1.5	1976	29	1.5	1976	#	1991	31	#	1991
Nov	8.0	1980	17	22.0	1980	3	1972	30	#	1972
Dec	6.0	1992	14	6.0	1992	3	1987	15	#+	1999
Ann	8.0	Nov 1980	17	22.0	Nov 1980	3+	Dec 1987	15	#+	Dec 1999

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	.9	.8	.1	.1	.0
Feb	.6	.5	.2	.1	.0
Mar	.1	@	@	@	.0
Apr	.1	@	.0	.0	.0
May	.0	.0	.0	.0	.0
Jun	.0	.0	.0	.0	.0
Jul	.0	.0	.0	.0	.0
Aug	.0	.0	.0	.0	.0
Sep	.0	.0	.0	.0	.0
Oct	@	@	.0	.0	.0
Nov	.3	.2	.2	.2	.0
Dec	.4	.2	.1	@	.0
Ann	2.4	1.7	.6	.4	.0

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	.0	.0	.0	.0
Feb	.1	.0	.0	.0
Mar	.0	.0	.0	.0
Apr	.0	.0	.0	.0
May	.0	.0	.0	.0
Jun	.0	.0	.0	.0
Jul	.0	.0	.0	.0
Aug	.0	.0	.0	.0
Sep	.0	.0	.0	.0
Oct	.0	.0	.0	.0
Nov	.1	.1	.0	.0
Dec	.1	.1	.0	.0
Ann	.3	.2	.0	.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: POST, TX **COOP ID: 417206**

Climate Division: TX 2 **NWS Call Sign:** **Elevation: 2,620 Feet** **Lat: 33˚11N** **Lon: 101˚23W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	4/22	4/17	4/14	4/11	4/08	4/05	4/02	3/30	3/25
32	4/13	4/08	4/05	4/02	3/30	3/27	3/24	3/21	3/16
28	4/06	3/31	3/26	3/22	3/18	3/14	3/10	3/05	2/26
24	4/01	3/23	3/17	3/12	3/07	3/02	2/25	2/19	2/11
20	3/22	3/11	3/04	2/25	2/19	2/13	2/07	1/30	1/20
16	2/27	2/18	2/10	2/04	1/29	1/22	1/14	1/03	0/00

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	10/10	10/16	10/20	10/24	10/27	10/31	11/03	11/08	11/13
32	10/25	10/30	11/03	11/06	11/09	11/12	11/15	11/19	11/24
28	11/01	11/06	11/10	11/13	11/16	11/19	11/22	11/26	12/01
24	11/09	11/16	11/21	11/26	11/30	12/04	12/08	12/13	12/20
20	11/14	11/24	12/02	12/08	12/13	12/19	12/25	1/02	1/12
16	11/29	12/07	12/13	12/18	12/23	12/29	1/05	1/17	0/00

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	223	216	210	206	202	197	193	188	180
32	244	237	232	227	223	219	215	210	202
28	267	259	253	248	243	238	233	227	218
24	300	289	280	273	267	260	253	245	234
20	342	325	313	304	295	287	278	268	253
16	>365	>365	356	337	326	318	309	300	288

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: POST, TX **COOP ID: 417206**

Climate Division: TX 2 **NWS Call Sign:** **Elevation: 2,620 Feet** **Lat: 33˚11N** **Lon: 101˚23W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	745	538	367	153	37	1	0	1	21	103	418	679	3063
60	591	409	230	73	10	0	0	0	5	37	286	525	2166
57	501	333	162	40	4	0	0	0	0	16	217	436	1709
55	445	287	124	24	2	0	0	0	0	9	177	379	1447
50	307	187	53	5	0	0	0	0	0	1	97	246	896
32	27	12	0	0	0	0	0	0	0	0	1	12	52

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	305	398	659	891	1189	1381	1543	1499	1239	984	579	357	11024
55	10	29	70	225	478	691	830	786	549	280	65	11	4024
57	5	19	46	181	418	631	768	724	489	226	45	5	3557
60	1	11	21	124	331	541	675	631	404	153	24	1	2917
65	0	0	3	55	203	393	520	476	270	64	6	0	1990
70	0	0	0	17	106	253	366	326	161	18	0	0	1247

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	152	243	432	658	947	1142	1298	1246	997	736	356	180	152	395	827	1485	2432	3574	4872	6118	7115	7851	8207	8387
45	74	149	300	511	792	992	1143	1091	847	583	235	95	74	223	523	1034	1826	2818	3961	5052	5899	6482	6717	6812
50	30	80	186	371	637	842	988	936	698	432	134	41	30	110	296	667	1304	2146	3134	4070	4768	5200	5334	5375
55	5	35	97	240	483	692	833	781	549	291	65	9	5	40	137	377	860	1552	2385	3166	3715	4006	4071	4080
60	0	11	46	141	335	543	678	626	408	174	22	0	0	11	57	198	533	1076	1754	2380	2788	2962	2984	2984
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	137	196	304	428	604	752	852	826	655	464	243	150	137	333	637	1065	1669	2421	3273	4099	4754	5218	5461	5611

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Notes

a. The monthly means are simple arithmetic averages computed by summing the monthly values for the period 1971-2000 and dividing by thirty. Prior to averaging, the data are adjusted if necessary to compensate for data quality issues, station moves or changes in station reporting practices. Missing months are replaced by estimates based on neighboring stations.

b. The median is defined as the middle value in an ordered set of values. The median is being provided for the snow and precipitation elements because the mean can be a misleading value for precipitation normals.

c. Only observed validated values were used to select the extreme daily values.

d. Extreme monthly temperature/precipitation means were selected from the monthly normals data.
Monthly snow extremes were calculated from daily values quality controlled to be consistent with the Snow Climatology.

e. Degree Days were derived using the same techniques as the 1971-2000 normals.
Compete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

f. Mean "number of days statistics" for temperature and precipitation were calculated from a serially complete daily data set .
Documentation of the serially complete data set is available from the link below:

g. Snowfall and snow depth statistics were derived from the Snow Climatology.
Documentation for the Snow Climatology project is available from the link under references.

Data Sources for Tables

Several different data sources were used to create the Clim20 climate summaries. In some cases the daily extremes appear inconsistent with the monthly extremes and or the mean number of days statistics. For example, a high daily extreme value may not be reflected in the highest monthly value or the mean number of days threshold that is less than and equal to the extreme value. Some of these difference are caused by different periods of record. Daily extremes are derived from the station's entire period of record while the serial data and normals data were are for the 1971-2000 period. Therefore extremes observed before 1971 would not be included in the 1971-2000 normals or the 1971-2000 serial daily data set. Inconsistencies can also occur when monthly values are adjusted to reflect the current observing conditions or were replaced during the 1971-2000 Monthly Normals processing and are not reconciled with the Summary of the Day data.

a. Temperature/ Precipitation Tables
   1. 1971-2000 Monthly Normals
   2. Cooperative Summary of the Day
   3. National Weather Service station records
   4. 1971-2000 serially complete daily data

b. Degree Day Table
   1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals
   2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data

c. Snow Tables
   1. Snow Climatology
   2. Cooperative Summary of the Day

d. Freeze Data Table
   1971-2000 serially complete daily data

References

U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normals.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normals/usnormalsprods.html
Snow Climatology Project Description, www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html
Eischeid, J. K., P. Pasteris, H. F. Diaz, M. Plantico, and N. Lott, 2000: Creating a serially complete, national daily time series of temperature and precipitation for the Western United States. J. Appl. Meteorol., 39, 1580-1591,
www1.ncdc.noaa.gov/pub/data/special/ serialcomplete_jam_0900.pdf