

Climatography of the United States

No. 20

1971-2000

Station: CROCKETT, TX

COOP ID: 412114

Climate Division: TX 6

NWS Call Sign:

Elevation: 347 Feet Lat: 31° 18N Lon: 95° 27W

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	57.6	35.9	46.8	86	1911	30	52.6	1990	6+	1982	12	38.0	1978	574	0	.0	.0	22.5	.7	12.7	.0
Feb	62.5	39.3	50.9	95	1996	23	58.0	1976	0	1951	2	40.6	1978	402	7	.0	.1	23.3	.5	7.6	.0
Mar	70.0	46.1	58.1	91+	1916	21	64.1	1974	18	1980	2	52.3	1996	231	17	.0	.0	29.9	@	2.7	.0
Apr	76.7	53.0	64.9	95	1912	26	70.2	1981	28	1987	1	60.0	1983	77	72	.0	.3	29.9	.0	.3	.0
May	83.3	62.1	72.7	100	1911	31	78.2	1996	40+	1996	1	67.9	1976	10	248	.0	3.1	31.0	.0	.0	.0
Jun	89.4	69.0	79.2	105	1911	14	85.4	1998	48+	1970	7	76.1	1983	0	426	.5	16.0	30.0	.0	.0	.0
Jul	93.3	71.7	82.5	110	1954	26	88.7	1998	54+	1967	16	79.5	1972	0	543	2.9	26.1	31.0	.0	.0	.0
Aug	93.9	70.9	82.4	114	1909	18	86.5	1999	55+	1992	30	78.8	1992	0	539	3.2	26.1	31.0	.0	.0	.0
Sep	88.5	65.9	77.2	110	2000	5	81.8	1998	39+	1967	30	70.4	1974	2	367	.6	14.9	30.0	.0	.0	.0
Oct	79.5	55.2	67.4	101	1911	4	70.2	1971	27	1993	31	59.3	1976	46	120	.0	2.3	31.0	.0	.3	.0
Nov	68.2	45.2	56.7	91	1958	17	62.4	1973	17+	1976	30	49.3	1976	272	23	.0	.0	28.6	@	3.8	.0
Dec	60.2	37.7	49.0	85+	1955	26	59.1	1984	0	1989	24	38.9	1989	507	8	.0	.0	25.2	.4	9.8	@
Ann	76.9	54.3	65.7	114	Aug 1909	18	88.7	Jul 1998	0+	Dec 1989	24	38.0	Jan 1978	2121	2370	7.2	88.9	343.4	1.6	37.2	@

+ 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

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1904-2001

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

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**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: CROCKETT, TX

COOP ID: 412114

Climate Division: TX 6

NWS Call Sign:

Elevation: 347 Feet Lat: 31°18N

Lon: 95°27W

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med- ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	4.00	3.65	5.83	1999	29	11.88	1991	.08	1971	8.6	6.4	2.5	1.1	.43	.73	1.28	1.84	2.44	3.11	3.90	4.88	6.22	8.45	10.61
Feb	3.10	2.45	3.99	1910	2	8.40	1992	.15	1996	7.2	5.0	2.1	.9	.48	.74	1.19	1.62	2.06	2.55	3.10	3.78	4.70	6.18	7.60
Mar	3.45	3.51	6.27	1989	29	8.58	1989	.48	1986	8.1	5.5	2.3	1.0	.93	1.26	1.76	2.20	2.62	3.07	3.57	4.16	4.93	6.13	7.26
Apr	3.87	3.79	5.96	1927	13	8.10	1979	.03	1984	6.6	4.8	2.7	1.3	.50	.81	1.37	1.90	2.47	3.10	3.83	4.73	5.95	7.94	9.87
May	4.66	4.50	5.06	1939	17	9.96	1983	.00	1998	7.9	5.8	3.1	1.7	.31	.79	1.52	2.21	2.93	3.72	4.63	5.76	7.28	9.76	12.16
Jun	4.46	3.69	9.11	2001	8	15.62	1993	.30	1998	7.2	5.6	2.6	1.5	.68	1.06	1.71	2.32	2.96	3.66	4.47	5.45	6.77	8.91	10.97
Jul	2.84	2.65	4.49	1996	25	7.81	1979	.00+	2000	5.7	4.1	2.0	.8	.00	.18	.62	1.05	1.53	2.07	2.71	3.50	4.61	6.47	8.30
Aug	2.81	1.86	6.22	1974	30	9.22	1974	.00	1999	6.0	4.5	1.9	.6	.11	.33	.74	1.14	1.59	2.10	2.69	3.45	4.48	6.21	7.91
Sep	4.12	3.38	6.83	1991	1	10.90	1974	.18	1982	6.6	4.9	2.4	1.3	.59	.94	1.53	2.10	2.69	3.35	4.10	5.03	6.28	8.31	10.26
Oct	4.22	3.15	7.58	1941	31	15.34	1984	.27	1987	6.6	5.3	2.7	1.5	.56	.90	1.50	2.09	2.71	3.39	4.19	5.16	6.48	8.64	10.73
Nov	3.93	3.67	4.81	1907	19	14.47	2000	.50	1999	7.3	5.7	2.9	1.2	.93	1.30	1.87	2.39	2.90	3.44	4.04	4.77	5.71	7.22	8.63
Dec	4.02	4.01	6.05	1904	26	9.99	1991	.56+	1981	8.6	6.1	2.8	1.3	1.02	1.40	1.98	2.50	3.01	3.54	4.14	4.85	5.78	7.25	8.62
Ann	45.48	44.06	9.11	Jun 2001	8	15.62	Jun 1993	.00+	Jul 2000	86.4	63.7	30.0	14.2	29.84	32.77	36.58	39.51	42.14	44.69	47.35	50.31	53.92	59.21	63.82

+ 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: 1904-2001

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

Complete documentation available from:
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Station: CROCKETT, TX

COOP ID: 412114

Climate Division: TX 6

NWS Call Sign:

Elevation: 347 Feet

Lat: 31°18N

Lon: 95°27W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	.4	.0	#	0	5.5	1982	14	5.5	1982	5	1973	11	#	1973	.1	.1	.1	.1	.0	@	@	@	.0
Feb	#	.0	0	0	#	1988	12	#	1988	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Mar	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Apr	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	#	.0	0	0	#	1992	5	#	1992	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	#	.0	0	0	#	1990	31	#+	1990	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	.4	.0	N/A	N/A	5.5	Jan 1982	14	5.5	Jan 1982	5	Jan 1973	11	#	Jan 1973	.1	.1	.1	.1	.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:

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NWS Call Sign:

Elevation: 347 Feet

Lat: 31° 18N

Lon: 95° 27W

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	4/15	4/07	4/01	3/28	3/23	3/19	3/14	3/09	3/01
32	4/01	3/24	3/19	3/14	3/10	3/06	3/01	2/23	2/16
28	3/22	3/12	3/06	2/28	2/22	2/17	2/11	2/04	1/26
24	3/04	2/22	2/15	2/09	2/04	1/29	1/22	1/14	12/29
20	2/21	2/10	2/01	1/25	1/16	1/07	12/20	0/00	0/00
16	1/25	1/16	1/07	0/00	0/00	0/00	0/00	0/00	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	10/24	10/29	11/02	11/06	11/09	11/12	11/15	11/20	11/25
32	10/27	11/04	11/09	11/14	11/18	11/22	11/27	12/02	12/10
28	11/11	11/19	11/25	11/30	12/04	12/09	12/14	12/20	12/28
24	11/19	11/30	12/09	12/16	12/23	12/31	1/08	1/20	0/00
20	12/13	12/25	1/03	1/12	1/21	2/01	0/00	0/00	0/00
16	12/29	1/08	1/18	0/00	0/00	0/00	0/00	0/00	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	257	248	241	235	230	224	218	212	202
32	279	270	263	258	252	247	241	235	225
28	318	307	298	291	284	278	271	262	251
24	>365	>365	346	330	319	310	301	291	277
20	>365	>365	>365	>365	>365	354	338	325	311
16	>365	>365	>365	>365	>365	>365	>365	>365	>365

* 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:
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Climate Division: TX 6 NWS Call Sign: Elevation: 347 Feet Lat: 31°18N Lon: 95°27W

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	574	402	231	77	10	0	0	0	2	46	272	507	2121
60	430	277	121	22	1	0	0	0	0	11	165	366	1393
57	350	211	74	7	0	0	0	0	0	4	115	289	1050
55	302	174	50	3	0	0	0	0	0	2	88	244	863
50	200	98	15	0	0	0	0	0	0	0	38	152	503
32	15	2	0	0	0	0	0	0	0	0	0	6	23

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	472	531	809	985	1261	1416	1566	1562	1355	1096	741	531	12325
55	45	60	146	298	548	726	853	849	665	385	138	56	4769
57	32	41	108	243	486	666	791	787	605	325	106	39	4229
60	19	22	62	167	394	576	698	694	515	240	66	22	3475
65	0	7	17	72	248	426	543	539	367	120	23	8	2370
70	0	0	2	20	128	277	388	384	230	42	6	0	1477

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	267	353	575	752	1023	1183	1329	1327	1123	855	514	314	267	620	1195	1947	2970	4153	5482	6809	7932	8787	9301	9615
45	165	238	424	602	868	1033	1174	1172	973	701	374	197	165	403	827	1429	2297	3330	4504	5676	6649	7350	7724	7921
50	89	142	290	456	713	883	1019	1017	823	548	252	114	89	231	521	977	1690	2573	3592	4609	5432	5980	6232	6346
55	45	74	171	315	558	733	864	862	673	397	153	59	45	119	290	605	1163	1896	2760	3622	4295	4692	4845	4904
60	19	34	86	189	405	583	709	707	523	259	82	29	19	53	139	328	733	1316	2025	2732	3255	3514	3596	3625
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	176	225	362	487	699	826	898	891	759	564	322	201	176	401	763	1250	1949	2775	3673	4564	5323	5887	6209	6410

(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/normal/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.
Complete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normal/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 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.

- | | |
|---|---|
| <ol style="list-style-type: none">a. Temperature/ Precipitation Tables<ol style="list-style-type: none">1. 1971-2000 Monthly Normals2. Cooperative Summary of the Day3. National Weather Service station records4. 1971-2000 serially complete daily datab. Degree Day Table<ol style="list-style-type: none">1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data | <ol style="list-style-type: none">c. Snow Tables<ol style="list-style-type: none">1. Snow Climatology2. Cooperative Summary of the Dayd. Freeze Data Table
1971-2000 serially complete daily data |
|---|---|

References

U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normal.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normal/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