

Climatology of the United States

No. 20

1971-2000

Station: TRUSCOTT 3 W, TX

COOP ID: 419163

Climate Division: TX 2

NWS Call Sign:

Elevation: 1,571 Feet Lat: 33°45N

Lon: 99°52W

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	27.1	40.7	86	1969	9	47.0	1990	-2	1966	23	30.2	1979	755	0	.0	.0	19.4	3.2	23.0	@
Feb	59.6	31.4	45.5	93	1996	23	53.4	1976	-6	1985	2	34.1	1978	550	4	.0	.1	20.6	1.9	14.4	.1
Mar	68.6	38.9	53.8	102	1971	28	60.2	1974	6	1980	2	49.8	1996	353	5	.1	1.0	27.9	.2	6.3	.0
Apr	77.8	48.2	63.0	104	1995	8	69.7	1978	21	1970	2	56.1	1997	135	75	.1	3.6	29.5	.0	1.0	.0
May	85.8	57.9	71.9	113	2000	25	79.5	1996	37+	1979	12	67.4	1995	26	238	1.7	9.8	31.0	.0	.0	.0
Jun	93.6	67.0	80.3	118	1994	28	84.9	1994	49	1983	1	75.7	1989	1	460	5.3	20.3	30.0	.0	.0	.0
Jul	98.5	71.3	84.9	113	1995	29	90.2	1980	54	1990	15	81.0	1976	0	617	12.7	28.0	31.0	.0	.0	.0
Aug	96.5	69.6	83.1	111	1964	7	88.6	2000	55+	1979	12	78.4	1971	0	559	10.1	25.5	31.0	.0	.0	.0
Sep	88.7	62.2	75.5	111	2000	6	82.3	1998	38+	1989	24	68.4	1974	8	321	2.4	15.5	30.0	.0	.0	.0
Oct	78.8	50.8	64.8	106+	2000	4	68.9	1979	27+	1993	31	57.0	1976	88	82	.2	4.0	30.7	.0	.4	.0
Nov	65.2	38.3	51.8	90	2001	2	60.1	1999	14	1976	29	45.7	1972	406	9	.0	.0	25.6	.1	8.4	.0
Dec	56.1	29.6	42.9	85	1995	3	46.5	1980	-10+	1989	23	29.8	1983	687	0	.0	.0	21.3	1.9	19.8	.2
Ann	77.0	49.4	63.2	118	Jun 1994	28	90.2	Jul 1980	-10+	Dec 1989	23	29.8	Dec 1983	3009	2370	32.6	107.8	328.0	7.3	73.3	.3

+ 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/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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

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No. 20

1971-2000

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

Station: TRUSCOTT 3 W, TX

COOP ID: 419163

Climate Division: TX 2

NWS Call Sign:

Elevation: 1,571 Feet Lat: 33°45N

Lon: 99°52W

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	.94	.76	1.76	1968	22	3.18	1987	.00+	1986	3.0	2.2	.7	.2	.00	.00	.17	.32	.48	.67	.89	1.17	1.55	2.19	2.82
Feb	1.44	1.18	2.26	1964	4	4.59	1993	.00+	1999	3.6	2.6	.8	.3	.00	.00	.22	.48	.75	1.05	1.39	1.82	2.41	3.36	4.30
Mar	1.58	1.27	3.20	2000	23	4.40	1985	.00	1997	4.4	2.8	1.0	.4	.03	.13	.32	.54	.80	1.09	1.45	1.91	2.56	3.67	4.77
Apr	1.99	1.59	3.61	1972	27	6.59	1997	.00	1996	4.5	3.5	1.3	.6	.08	.24	.53	.82	1.14	1.49	1.92	2.44	3.17	4.38	5.57
May	4.20	3.70	3.98	1989	15	11.56	1980	.39	1988	6.5	5.3	2.3	1.3	.51	.84	1.43	2.02	2.64	3.33	4.13	5.13	6.48	8.70	10.85
Jun	3.24	3.06	4.35	1967	26	10.48	1992	.27	1994	5.9	4.8	2.3	1.0	.55	.84	1.31	1.75	2.21	2.70	3.26	3.95	4.86	6.33	7.74
Jul	1.71	1.47	2.46	1990	22	4.91	1988	.13	1998	4.4	3.1	1.3	.4	.17	.30	.53	.77	1.03	1.32	1.66	2.09	2.68	3.65	4.61
Aug	2.56	2.59	4.86	1995	2	6.77	1995	.00+	2000	5.3	4.3	1.6	.6	.00	.56	1.09	1.49	1.87	2.26	2.70	3.19	3.86	4.92	5.90
Sep	3.22	3.25	4.60	1965	19	7.28	1986	.00+	2000	5.6	4.3	2.1	1.3	.00	.27	.80	1.30	1.84	2.44	3.14	3.99	5.18	7.15	9.07
Oct	2.65	1.52	5.40	1965	18	12.94	1983	.11	1987	5.0	3.7	1.7	.8	.08	.19	.46	.79	1.19	1.69	2.31	3.13	4.32	6.38	8.47
Nov	1.40	1.26	1.88	1975	2	5.29	2000	.00	1989	3.5	2.4	1.0	.4	.08	.21	.43	.63	.85	1.09	1.38	1.73	2.20	2.99	3.75
Dec	.96	.59	1.57	1984	31	4.13	1991	.00	1976	3.5	2.4	.5	.2	.01	.05	.15	.27	.42	.61	.84	1.14	1.59	2.35	3.13
Ann	25.89	25.22	5.40	Oct 1965	18	12.94	Oct 1983	.00+	Sep 2000	55.2	41.4	16.6	7.5	18.07	19.57	21.50	22.97	24.28	25.54	26.85	28.30	30.06	32.62	34.84

+ 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: 1948-2001

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

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Station: TRUSCOTT 3 W, TX

COOP ID: 419163

Climate Division: TX 2

NWS Call Sign:

Elevation: 1,571 Feet

Lat: 33°45N

Lon: 99°52W

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	.5	.0	#	0	3.0	1992	13	3.0	1994	7	1992	18	1	1988	.2	.2	.1	.0	.0	.3	.1	.0	.0
Feb	.4	.0	#	0	3.5	1988	5	5.0	1988	4	1988	5	#+	1995	.2	.2	.1	.0	.0	.1	@	.0	.0
Mar	.1	.0	#	0	1.5	1989	21	1.5	1989	#+	1998	7	#+	1998	.1	.1	.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	.1	.0	#	0	1.0	2000	8	1.0	2000	#	2000	9	#	2000	.1	.1	.0	.0	.0	.0	.0	.0	.0
Dec	.4	.0	#	0	4.5	1987	14	4.5	1987	5	1987	14	1	1987	.5	.3	.1	.0	.0	.3	.1	@	.0
Ann	1.5	.0	N/A	N/A	4.5	Dec 1987	14	5.0	Feb 1988	7	Jan 1992	18	1+	Jan 1988	1.1	.9	.3	.0	.0	.7	.2	@	.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: 1,571 Feet

Lat: 33° 45N

Lon: 99° 52W

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	4/16	4/12	4/10	4/08	4/06	4/04	4/02	3/31	3/27
32	4/11	4/06	4/03	3/31	3/28	3/25	3/22	3/18	3/13
28	4/04	3/29	3/24	3/20	3/16	3/13	3/09	3/04	2/25
24	3/22	3/14	3/08	3/02	2/25	2/20	2/15	2/09	1/31
20	3/09	3/01	2/23	2/18	2/13	2/09	2/04	1/29	1/21
16	2/27	2/16	2/07	1/31	1/23	1/16	1/06	12/24	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	10/18	10/23	10/27	10/30	11/01	11/04	11/07	11/11	11/15
32	10/26	10/31	11/03	11/06	11/09	11/12	11/15	11/19	11/24
28	11/01	11/07	11/11	11/14	11/18	11/21	11/25	11/29	12/05
24	11/10	11/16	11/21	11/25	11/29	12/03	12/07	12/12	12/19
20	11/10	11/21	11/29	12/05	12/12	12/18	12/25	1/02	1/13
16	12/01	12/10	12/16	12/22	12/28	1/03	1/11	1/26	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	225	219	215	212	209	206	202	198	193
32	247	240	235	230	226	222	217	212	205
28	272	263	256	251	246	241	235	229	220
24	307	297	289	282	276	270	263	255	245
20	339	321	312	304	297	291	284	276	265
16	>365	>365	>365	355	339	328	318	308	295

* 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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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	755	550	353	135	26	1	0	0	8	88	406	687	3009
60	602	420	219	62	6	0	0	0	0	32	276	536	2153
57	515	346	152	33	2	0	0	0	0	14	210	450	1722
55	457	299	115	21	1	0	0	0	0	8	171	394	1466
50	322	201	49	5	0	0	0	0	0	1	95	265	938
32	35	18	0	0	0	0	0	0	0	0	2	21	76

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	304	396	674	930	1235	1449	1640	1582	1303	1017	595	356	11481
55	13	34	77	261	523	759	927	869	613	312	75	16	4479
57	9	24	51	213	462	699	865	807	553	256	53	11	4003
60	2	14	25	152	374	609	772	714	463	181	29	4	3339
65	0	4	5	75	238	460	617	559	321	82	9	0	2370
70	0	0	0	28	130	316	462	405	195	27	1	0	1564

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	137	241	440	689	981	1205	1384	1333	1060	768	365	171	137	378	818	1507	2488	3693	5077	6410	7470	8238	8603	8774
45	68	149	304	541	826	1055	1229	1178	910	616	246	86	68	217	521	1062	1888	2943	4172	5350	6260	6876	7122	7208
50	25	83	192	400	671	905	1074	1023	761	465	147	37	25	108	300	700	1371	2276	3350	4373	5134	5599	5746	5783
55	4	38	105	267	520	755	919	868	612	323	74	7	4	42	147	414	934	1689	2608	3476	4088	4411	4485	4492
60	0	9	48	158	372	605	764	713	472	196	29	0	0	9	57	215	587	1192	1956	2669	3141	3337	3366	3366
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	128	180	292	433	631	792	894	865	691	487	245	141	128	308	600	1033	1664	2456	3350	4215	4906	5393	5638	5779

(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.
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