

# Climatography of the United States No. 20

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

Station: DEVILS GARDEN, FL

1971-2000

COOP ID: 082298

Climate Division: FL 5

NWS Call Sign:

Elevation: 20 Feet

Lat: 26°36N

Lon: 81°08W

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	77.6	49.9	63.8	89+	2001	20	73.2	1974	20+	1997	20	55.5+	1981	144	93	.0	.0	31.0	.0	1.7	.0
Feb	79.3	50.8	65.1	91+	1989	22	71.9	1982	23+	1996	18	57.6	1978	97	98	.0	.4	28.1	.0	.8	.0
Mar	83.1	54.0	68.6	95	1971	15	73.2	1997	28+	1996	9	63.2	1996	38	148	.0	2.8	31.0	.0	.3	.0
Apr	86.6	57.4	72.0	98+	1999	26	75.4	1991	38	1987	5	67.5	1987	5	215	.0	7.4	30.0	.0	.0	.0
May	90.7	62.3	76.5	100	1973	29	78.7	1998	41	1992	9	72.1	1992	0	357	@	17.6	31.0	.0	.0	.0
Jun	92.5	68.2	80.4	102	1998	16	84.0	1998	55	1996	3	78.1	1996	0	461	.5	23.2	30.0	.0	.0	.0
Jul	93.4	70.4	81.9	102	1998	4	83.8	1998	61	1995	13	79.9	1985	0	524	.1	27.7	31.0	.0	.0	.0
Aug	93.4	70.9	82.2	101	2000	25	84.2	1998	61	1965	17	80.2	1976	0	533	.1	27.0	31.0	.0	.0	.0
Sep	92.1	70.3	81.2	99+	2000	3	82.8	1986	58	1996	25	78.8	1994	0	486	.0	22.7	30.0	.0	.0	.0
Oct	88.2	65.4	76.8	98	2000	7	79.8	1971	43	1961	22	73.5	1987	0	365	.0	8.9	31.0	.0	.0	.0
Nov	83.5	59.0	71.3	93	1998	19	78.5	1986	31	1970	25	67.1	1991	17	204	.0	1.5	30.0	.0	.0	.0
Dec	78.8	52.1	65.5	90	1990	20	70.8	1971	21	1962	13	59.1	1989	92	106	.0	@	30.9	.0	.8	.0
Ann	86.6	60.9	73.8	102+	Jul 1998	4	84.2	Aug 1998	20+	Jan 1997	20	55.5+	Jan 1981	393	3590	.7	139.2	365.0	.0	3.6	.0

+ 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](http://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: 1956-2001

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

020-A

# 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: DEVILS GARDEN, FL**

**COOP ID: 082298**

**Climate Division: FL 5**

**NWS Call Sign:**

**Elevation: 20 Feet**

**Lat: 26°36N**

**Lon: 81°08W**

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	2.37	2.18	4.10	1991	16	6.90	1991	.00	1997	5.5	3.8	1.5	.6	.11	.32	.67	1.02	1.39	1.81	2.30	2.92	3.76	5.15	6.51
Feb	2.09	1.28	3.35	1998	17	8.78	1998	.00	1989	5.6	3.8	1.3	.6	.11	.31	.63	.94	1.26	1.62	2.05	2.57	3.28	4.46	5.60
Mar	2.78	2.71	6.01	1958	9	7.50	1987	.03	1971	5.1	3.9	1.9	.9	.29	.49	.87	1.26	1.68	2.15	2.70	3.39	4.34	5.90	7.43
Apr	2.63	2.43	3.50	1980	8	7.05	1972	.00	1987	4.9	4.0	1.8	.8	.10	.32	.70	1.08	1.50	1.97	2.53	3.23	4.20	5.81	7.38
May	4.33	3.65	5.00+	1989	2	11.30	1982	.60	1988	7.7	6.0	2.7	1.4	.88	1.27	1.91	2.49	3.08	3.70	4.41	5.27	6.40	8.21	9.92
Jun	8.58	7.61	5.40	1991	7	18.87	1982	2.64	1979	12.6	11.0	5.0	2.7	3.02	3.83	5.00	5.99	6.94	7.91	8.96	10.20	11.77	14.21	16.44
Jul	7.52	7.97	3.43	1960	23	13.05	1993	2.35	1981	14.0	11.5	4.8	2.2	2.93	3.63	4.62	5.44	6.22	7.01	7.87	8.86	10.13	12.06	13.83
Aug	8.10	7.58	3.60	1988	27	14.58	1986	2.69	2000	15.1	12.1	4.5	2.5	3.35	4.09	5.14	5.99	6.80	7.61	8.49	9.50	10.79	12.74	14.52
Sep	6.53	6.60	4.70	1960	10	13.76	1979	1.05	1988	12.4	9.9	4.0	2.0	2.19	2.80	3.71	4.48	5.21	5.97	6.81	7.78	9.03	10.96	12.74
Oct	3.52	2.77	4.02	1959	18	13.57	1995	.21	1981	7.6	5.3	2.5	1.2	.35	.61	1.09	1.58	2.11	2.71	3.41	4.30	5.50	7.50	9.46
Nov	2.58	1.91	6.47	1998	4	9.40	1987	.00	1995	4.9	3.3	1.4	.8	.07	.24	.59	.95	1.37	1.84	2.42	3.15	4.16	5.88	7.58
Dec	1.64	1.12	6.44	1957	24	6.65	1994	.00+	1998	4.5	2.8	1.3	.4	.00	.04	.22	.44	.71	1.03	1.44	1.96	2.72	4.04	5.37
Ann	52.67	52.95	6.47	Nov 1998	4	18.87	Jun 1982	.00+	Dec 1998	99.9	77.4	32.7	16.1	38.34	41.14	44.71	47.41	49.81	52.12	54.50	57.12	60.30	64.89	68.85

+ 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: 1956-2001

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

Complete documentation available from:

[www.ncdc.noaa.gov/oa/climate/normals/usnormals.html](http://www.ncdc.noaa.gov/oa/climate/normals/usnormals.html)

# 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](http://www.ncdc.noaa.gov)

**Station: DEVILS GARDEN, FL**

**COOP ID: 082298**

**Climate Division: FL 5**

**NWS Call Sign:**

**Elevation: 20 Feet**

**Lat: 26°36N**

**Lon: 81°08W**

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	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Feb	.0	.0	0	0	.0	0	0	.0	0	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	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	.0	.0	N/A	N/A	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.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/normal/usnormals.html](http://www.ncdc.noaa.gov/oa/climate/normal/usnormals.html)

# Climatography of the United States

## No. 20 1971-2000

**Station: DEVILS GARDEN, FL**

**COOP ID: 082298**

**Climate Division: FL 5**

**NWS Call Sign:**

**Elevation: 20 Feet**

**Lat: 26°36N**

**Lon: 81°08W**

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	3/20	3/08	2/28	2/21	2/14	2/08	1/31	1/23	1/09
32	3/09	2/22	2/12	2/02	1/23	1/11	12/25	0/00	0/00
28	2/22	2/05	1/20	12/27	0/00	0/00	0/00	0/00	0/00
24	1/31	1/10	0/00	0/00	0/00	0/00	0/00	0/00	0/00
20	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
16	0/00	0/00	0/00	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	11/26	12/08	12/17	12/24	12/31	1/07	1/15	1/24	2/07
32	12/13	12/27	1/06	1/15	1/25	2/06	2/27	0/00	0/00
28	1/03	1/20	2/07	0/00	0/00	0/00	0/00	0/00	0/00
24	1/17	2/09	0/00	0/00	0/00	0/00	0/00	0/00	0/00
20	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
16	0/00	0/00	0/00	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	>365	358	336	324	314	305	296	286	273
32	>365	>365	>365	>365	>365	355	333	318	303
28	>365	>365	>365	>365	>365	>365	>365	>365	326
24	>365	>365	>365	>365	>365	>365	>365	>365	>365
20	>365	>365	>365	>365	>365	>365	>365	>365	>365
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:

[www.ncdc.noaa.gov/oa/climate/normal/usnormals.html](http://www.ncdc.noaa.gov/oa/climate/normal/usnormals.html)

**Climatography  
of the United States  
No. 20  
1971-2000**

**Station: DEVILS GARDEN, FL**

**COOP ID: 082298**

**Climate Division: FL 5      NWS Call Sign:      Elevation: 20 Feet      Lat: 26°36N      Lon: 81°08W**

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	144	97	38	5	0	0	0	0	0	0	17	92	393
60	93	39	9	0	0	0	0	0	0	0	3	34	178
57	59	20	3	0	0	0	0	0	0	0	0	17	99
55	43	13	1	0	0	0	0	0	0	0	0	10	67
50	18	3	0	0	0	0	0	0	0	0	0	2	23
32	0	0	0	0	0	0	0	0	0	0	0	0	0

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	984	926	1134	1200	1380	1451	1547	1556	1476	1388	1178	1037	15257
55	314	294	421	510	667	761	834	843	786	675	488	334	6927
57	268	246	361	450	605	701	772	781	726	613	428	279	6230
60	209	181	274	360	512	611	679	688	636	520	341	203	5214
65	93	98	148	215	357	461	524	533	486	365	204	106	3590
70	64	39	62	95	204	311	369	378	336	214	99	39	2210

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	726	717	879	957	1130	1200	1286	1293	1224	1131	913	785	726	1443	2322	3279	4409	5609	6895	8188	9412	10543	11456	12241
45	572	572	724	807	975	1050	1131	1138	1074	976	763	632	572	1144	1868	2675	3650	4700	5831	6969	8043	9019	9782	10414
50	421	429	571	657	820	900	976	983	924	821	613	481	421	850	1421	2078	2898	3798	4774	5757	6681	7502	8115	8596
55	282	294	418	509	665	750	821	828	774	666	463	337	282	576	994	1503	2168	2918	3739	4567	5341	6007	6470	6807
60	171	176	277	359	510	600	666	673	624	511	322	210	171	347	624	983	1493	2093	2759	3432	4056	4567	4889	5099
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	478	468	585	631	757	814	872	885	842	784	620	520	478	946	1531	2162	2919	3733	4605	5490	6332	7116	7736	8256

(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](http://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](http://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.

- 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/normal.html](http://www.ncdc.noaa.gov/normal.html)  
U.S. Climate Normals 1971-2000-Products Clim20, [www.ncdc.noaa.gov/oa/climate/normal/usnormalsprods.html](http://www.ncdc.noaa.gov/oa/climate/normal/usnormalsprods.html)  
Snow Climatology Project Description, [www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html](http://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](http://www1.ncdc.noaa.gov/pub/data/special/serialcomplete_jam_0900.pdf)