

Climatology of the United States

No. 20

1971-2000

Station: NICEVILLE, FL

COOP ID: 086240

Climate Division: FL 1

NWS Call Sign:

Elevation: 60 Feet

Lat: 30° 32N

Lon: 86° 30W

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	61.3	36.7	49.0	80+	1957	11	60.1	1974	4	1985	21	39.6	1977	509	0	.0	.0	27.3	.1	12.7	.0
Feb	64.9	39.5	52.2	83	1980	24	58.5	1990	11	1951	3	43.2	1978	365	5	.0	.0	26.4	.1	8.5	.0
Mar	70.7	45.9	58.3	87+	1986	31	64.8	1997	19+	1980	4	53.1	1971	232	24	.0	.0	30.7	.0	2.8	.0
Apr	77.5	51.3	64.4	92	1985	30	69.4	1991	20	1987	1	59.9	1983	82	64	.0	.4	30.0	.0	.3	.0
May	84.2	60.2	72.2	101	1953	28	75.4	1991	38+	1971	5	69.1	1971	5	228	.0	3.3	31.0	.0	.0	.0
Jun	89.7	67.5	78.6	102+	1969	29	82.6	1998	48	1984	1	75.7	1997	0	409	.2	15.7	30.0	.0	.0	.0
Jul	91.3	71.1	81.2	107	1980	15	83.3	2000	55	1967	16	78.1	1994	0	502	.8	22.1	31.0	.0	.0	.0
Aug	90.9	70.7	80.8	103+	1980	23	83.3	1999	59	1989	9	78.6	1992	0	491	.3	21.9	31.0	.0	.0	.0
Sep	88.4	66.4	77.4	102	1954	1	80.5	1980	37	1967	30	74.5	1975	0	372	.0	13.5	30.0	.0	.0	.0
Oct	80.5	53.7	67.1	99	1954	4	72.3	1985	27+	1989	20	60.7	1976	66	131	.0	1.6	31.0	.0	.1	.0
Nov	71.5	45.7	58.6	89+	1998	2	64.8	1978	18	1950	26	50.1	1976	225	34	.0	.0	29.8	.0	3.1	.0
Dec	63.8	38.8	51.3	84	1968	20	60.3	1971	8	1962	13	43.3	1989	436	11	.0	.0	28.3	.1	9.8	.0
Ann	77.9	54.0	65.9	107	Jul 1980	15	83.3+	Jul 2000	4	Jan 1985	21	39.6	Jan 1977	1920	2271	1.3	78.5	356.5	.3	37.3	.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

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

055-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: NICEVILLE, FL

COOP ID: 086240

Climate Division: FL 1

NWS Call Sign:

Elevation: 60 Feet

Lat: 30°32N

Lon: 86°30W

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	5.80	5.09	4.40	1974	27	18.07	1991	1.17	1971	9.5	7.3	3.6	1.7	1.84	2.39	3.20	3.90	4.57	5.27	6.04	6.93	8.09	9.89	11.55
Feb	5.39	5.23	8.30	1970	16	12.78	1979	1.19	1991	8.4	6.5	2.8	1.5	1.33	1.84	2.63	3.33	4.02	4.74	5.56	6.53	7.79	9.79	11.67
Mar	6.52	5.75	9.34	1986	14	12.20	1991	2.21	1992	8.2	6.4	3.6	1.9	2.65	3.25	4.09	4.79	5.45	6.11	6.83	7.66	8.71	10.31	11.77
Apr	4.26	3.05	5.80	1996	30	13.52	1996	.00	1981	5.9	4.3	2.3	1.2	.15	.48	1.09	1.70	2.38	3.15	4.07	5.22	6.82	9.48	12.11
May	4.32	3.87	5.10	1989	21	12.51	1989	.15	2000	7.4	4.9	2.5	1.2	.34	.62	1.18	1.78	2.44	3.20	4.10	5.25	6.83	9.50	12.12
Jun	6.08	4.84	6.26	1985	15	13.20	1983	1.37	1998	9.9	7.6	3.5	1.9	1.48	2.05	2.94	3.73	4.51	5.33	6.26	7.35	8.79	11.07	13.20
Jul	9.40	7.69	10.75	1994	7	31.42	1994	2.62	1972	12.9	10.8	5.6	3.1	2.78	3.67	5.01	6.17	7.29	8.47	9.76	11.28	13.25	16.33	19.19
Aug	6.91	6.70	4.90	1964	9	13.28	1992	.92	1989	11.4	8.4	4.1	1.8	2.47	3.12	4.06	4.85	5.60	6.37	7.22	8.20	9.45	11.38	13.15
Sep	6.72	4.96	9.60	1998	28	31.41	1998	.04	1984	9.6	7.3	3.4	1.8	.45	.87	1.71	2.63	3.66	4.86	6.30	8.14	10.70	15.03	19.31
Oct	4.53	3.72	6.25	1967	31	13.52	1975	.03	1978	5.3	3.7	2.4	1.5	.21	.45	.97	1.57	2.27	3.10	4.12	5.44	7.30	10.51	13.72
Nov	4.70	4.05	4.61	1995	2	12.24	1995	.80	1981	7.4	5.4	2.8	1.5	1.17	1.61	2.30	2.90	3.51	4.14	4.85	5.69	6.79	8.53	10.16
Dec	4.57	4.24	8.00	1967	10	10.56	1982	.47	1980	9.3	6.1	2.8	1.5	1.09	1.52	2.19	2.78	3.37	4.00	4.70	5.53	6.63	8.36	9.99
Ann	69.20	67.27	10.75	Jul 1994	7	31.42	Jul 1994	.00	Apr 1981	105.2	78.7	39.4	20.6	45.95	50.33	56.00	60.35	64.25	68.04	71.97	76.35	81.69	89.49	96.29

+ 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: NICEVILLE, FL

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Climate Division: FL 1

NWS Call Sign:

Elevation: 60 Feet

Lat: 30°32N

Lon: 86°30W

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	#	1973	12	#	1973	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Feb	.0	.0	#	0	1.0	1973	10	1.0	1973	1	1973	10	#	1973	@	@	.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	N/A	N/A	1.0	Feb 1973	10	1.0	Feb 1973	1	Feb 1973	10	#	Feb 1973	@	@	.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:

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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	4/17	4/10	4/06	4/02	3/29	3/26	3/22	3/17	3/11
32	4/02	3/26	3/22	3/18	3/14	3/11	3/07	3/02	2/24
28	3/22	3/14	3/08	3/03	2/26	2/22	2/17	2/11	2/03
24	3/19	3/07	2/27	2/20	2/13	2/07	1/31	1/22	1/11
20	2/25	2/14	2/05	1/28	1/20	1/11	12/28	0/00	0/00
16	1/22	1/07	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	10/20	10/26	10/30	11/02	11/06	11/09	11/12	11/16	11/22
32	11/01	11/07	11/12	11/15	11/19	11/22	11/26	11/30	12/06
28	11/12	11/21	11/28	12/04	12/09	12/15	12/21	12/27	1/06
24	11/22	12/03	12/12	12/19	12/26	1/02	1/09	1/18	1/29
20	12/17	12/29	1/07	1/15	1/23	2/02	2/16	0/00	0/00
16	1/05	1/20	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	247	238	231	226	221	216	210	204	195
32	271	264	258	253	249	244	240	234	226
28	320	308	300	292	285	279	271	263	251
24	>365	341	327	318	310	303	295	287	275
20	>365	>365	>365	>365	>365	>365	350	327	309
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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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	509	365	232	82	5	0	0	0	0	66	225	436	1920
60	372	238	128	25	0	0	0	0	0	23	129	301	1216
57	298	174	81	10	0	0	0	0	0	10	85	232	890
55	255	138	55	5	0	0	0	0	0	6	61	192	712
50	165	67	17	0	0	0	0	0	0	1	22	110	382
32	11	0	0	0	0	0	0	0	0	0	0	2	13

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	537	565	815	972	1246	1399	1525	1514	1362	1087	799	601	12422
55	68	59	157	286	533	709	812	801	672	380	170	78	4725
57	49	38	120	231	471	649	750	739	612	323	134	55	4171
60	30	19	74	157	378	559	657	646	522	242	88	31	3403
65	0	5	24	64	228	409	502	491	372	131	34	11	2271
70	0	0	6	15	103	260	347	336	226	53	11	0	1357

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	314	378	589	750	1018	1176	1285	1280	1131	855	572	393	314	692	1281	2031	3049	4225	5510	6790	7921	8776	9348	9741
45	195	254	439	600	863	1026	1130	1125	981	701	428	261	195	449	888	1488	2351	3377	4507	5632	6613	7314	7742	8003
50	107	149	298	450	708	876	975	970	831	546	293	158	107	256	554	1004	1712	2588	3563	4533	5364	5910	6203	6361
55	54	75	176	306	553	726	820	815	681	396	181	85	54	129	305	611	1164	1890	2710	3525	4206	4602	4783	4868
60	23	30	82	181	399	576	665	660	531	254	93	37	23	53	135	316	715	1291	1956	2616	3147	3401	3494	3531
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	209	247	370	492	696	813	891	884	781	575	372	255	209	456	826	1318	2014	2827	3718	4602	5383	5958	6330	6585

(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