

**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: QUINCY 3 SSW, FL**

**1971-2000**

**COOP ID: 087429**

**Climate Division: FL 1**

**NWS Call Sign:**

**Elevation: 245 Feet**

**Lat: 30° 36N**

**Lon: 84° 33W**

**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	62.0	39.2	50.6	83	1974	29	65.8	1974	4	1985	21	40.9	1977	482	31	.0	.0	26.9	.1	8.9	.0
Feb	65.8	41.3	53.6	85	1989	17	60.1	1990	14	1996	5	43.8	1978	331	10	.0	.0	26.0	.1	5.9	.0
Mar	72.2	47.7	60.0	90	1974	11	66.2	1997	19	1980	3	55.2	1996	189	33	.0	@	30.5	@	1.5	.0
Apr	78.1	52.7	65.4	92+	1999	25	70.2	1991	32	2001	18	60.9	1993	68	80	.0	.4	30.0	.0	.0	.0
May	85.1	61.5	73.3	100	2000	29	78.5	2000	36+	1997	6	70.2	1997	6	262	@	5.2	31.0	.0	.0	.0
Jun	89.5	68.1	78.8	102	1998	19	84.7	1998	49+	1984	1	75.3	1997	0	415	.3	15.9	30.0	.0	.0	.0
Jul	90.9	70.7	80.8	102	1977	14	83.7	2000	62+	1985	3	78.0	1984	0	489	.3	21.4	31.0	.0	.0	.0
Aug	90.1	70.3	80.2	101	1981	18	83.2	1999	59	1986	30	78.8	1981	0	471	.1	18.7	31.0	.0	.0	.0
Sep	87.3	66.6	77.0	98	1997	22	79.6	1980	48+	1981	20	74.6	1983	0	360	.0	11.3	30.0	.0	.0	.0
Oct	79.9	55.9	67.9	93	1986	2	73.0	1985	33+	1989	21	61.8	1976	58	148	.0	1.3	31.0	.0	.0	.0
Nov	71.9	48.0	60.0	87	2000	3	66.4	1985	20	1970	25	51.5	1976	196	43	.0	.0	29.9	.0	1.6	.0
Dec	64.8	41.4	53.1	84	1971	17	61.9	1971	12	1989	24	44.5	1989	384	16	.0	.0	28.1	.1	6.6	.0
Ann	78.1	55.3	66.7	102+	Jun 1998	19	84.7	Jun 1998	4	Jan 1985	21	40.9	Jan 1977	1714	2358	.7	74.2	355.4	.3	24.5	.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/normals/usnormals.html](http://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: 1968-2001

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

065-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: QUINCY 3 SSW, FL**

**COOP ID: 087429**

**Climate Division: FL 1**

**NWS Call Sign:**

**Elevation: 245 Feet**

**Lat: 30°36N**

**Lon: 84°33W**

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	5.63	4.66	4.05	1993	8	19.74	1991	.86	1989	11.2	7.6	3.7	1.8	1.55	2.08	2.89	3.60	4.30	5.03	5.83	6.79	8.03	9.98	11.80
Feb	4.37	3.95	4.80	1988	19	10.61	1986	1.22	1980	8.6	5.6	3.0	1.3	1.27	1.69	2.31	2.85	3.38	3.93	4.53	5.25	6.17	7.62	8.97
Mar	6.00	5.21	6.00	1991	2	14.31	1991	1.55	1979	9.3	6.4	3.7	2.0	1.86	2.43	3.28	4.00	4.71	5.44	6.25	7.19	8.41	10.31	12.07
Apr	3.68	3.22	5.03	1973	4	13.17	1973	.32	1972	6.7	4.3	2.4	1.3	.30	.55	1.03	1.54	2.10	2.75	3.51	4.48	5.82	8.05	10.26
May	4.80	4.64	4.65	1991	11	16.42	1991	.00	1996	8.6	5.7	2.8	1.6	.27	.73	1.47	2.18	2.92	3.75	4.72	5.92	7.54	10.22	12.81
Jun	5.59	5.56	6.02	1989	9	13.82	1989	.00	1996	11.9	8.4	3.7	1.7	1.25	2.04	2.97	3.71	4.41	5.13	5.91	6.82	7.99	9.81	11.50
Jul	6.68	7.01	3.52	1968	13	12.01	1991	1.04	1983	14.2	10.1	4.5	1.9	2.41	3.04	3.95	4.71	5.43	6.17	6.98	7.92	9.12	10.97	12.66
Aug	5.49	4.95	4.65	1987	15	12.85	1986	.00	1999	14.1	9.2	3.5	1.2	1.51	2.30	3.18	3.87	4.50	5.15	5.84	6.64	7.66	9.23	10.67
Sep	3.65	2.94	11.77	1969	21	10.23	1979	.00	1998	9.4	5.7	2.1	.9	.32	.73	1.33	1.86	2.41	3.00	3.68	4.51	5.61	7.39	9.10
Oct	3.31	2.44	4.67	1994	3	11.89	1997	.00	1999	6.1	3.7	2.1	1.0	.06	.25	.66	1.12	1.65	2.27	3.03	4.01	5.39	7.74	10.10
Nov	3.52	2.73	4.40	1985	22	14.77	1997	.00	1998	7.5	4.6	2.0	.8	.36	.77	1.36	1.87	2.39	2.95	3.58	4.34	5.36	7.00	8.56
Dec	3.62	3.76	4.90	1985	13	6.39	1985	.81	1980	9.2	5.8	2.4	1.0	1.15	1.50	2.00	2.44	2.86	3.29	3.76	4.32	5.04	6.15	7.19
Ann	56.34	57.40	11.77	Sep 1969	21	19.74	Jan 1991	.00+	Oct 1999	116.8	77.1	35.9	16.5	35.71	39.53	44.52	48.37	51.83	55.22	58.74	62.68	67.51	74.60	80.80

+ 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: 1968-2001

(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: QUINCY 3 SSW, FL

COOP ID: 087429

Climate Division: FL 1

NWS Call Sign:

Elevation: 245 Feet

Lat: 30°36N

Lon: 84°33W

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	.1	.0	#	0	2.0	1973	10	2.0	1973	2	1973	10	#	1973	@	@	.0	.0	.0	@	.0	.0	.0
Mar	#	.0	0	0	#	1975	5	#	1975	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	.1	.0	N/A	N/A	2.0	Feb 1973	10	2.0	Feb 1973	2	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:

[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**

**Station: QUINCY 3 SSW, FL**

**COOP ID: 087429**

**Climate Division: FL 1**

**NWS Call Sign:**

**Elevation: 245 Feet**

**Lat: 30°36N**

**Lon: 84°33W**

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	4/13	4/06	3/31	3/27	3/22	3/18	3/13	3/08	2/28
32	3/20	3/14	3/09	3/06	3/02	2/27	2/23	2/19	2/13
28	3/14	3/05	2/27	2/21	2/16	2/11	2/06	1/31	1/22
24	2/28	2/19	2/12	2/06	1/31	1/24	1/17	1/06	0/00
20	2/03	1/23	1/14	1/03	0/00	0/00	0/00	0/00	0/00
16	1/19	1/05	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	10/26	11/02	11/07	11/12	11/16	11/20	11/24	11/29	12/06
32	11/04	11/12	11/17	11/22	11/26	11/30	12/04	12/10	12/17
28	11/19	11/30	12/09	12/15	12/22	12/28	1/04	1/12	1/23
24	12/05	12/18	12/28	1/05	1/13	1/22	2/01	2/16	0/00
20	12/23	1/04	1/15	1/27	0/00	0/00	0/00	0/00	0/00
16	1/09	1/23	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	264	255	248	243	238	232	227	220	211
32	294	285	279	273	268	263	257	250	241
28	352	331	320	311	303	296	288	279	266
24	>365	>365	>365	>365	357	337	322	308	291
20	>365	>365	>365	>365	>365	>365	>365	>365	340
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: QUINCY 3 SSW, FL**

**COOP ID: 087429**

**Climate Division: FL 1      NWS Call Sign:      Elevation: 245 Feet      Lat: 30°36N      Lon: 84°33W**

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	482	331	189	68	6	0	0	0	0	58	196	384	1714
60	361	213	95	19	0	0	0	0	0	19	106	256	1069
57	298	156	55	6	0	0	0	0	0	9	66	194	784
55	262	125	35	3	0	0	0	0	0	5	45	159	634
50	180	61	9	0	0	0	0	0	0	0	15	85	350
32	20	1	0	0	0	0	0	0	0	0	0	2	23

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	597	604	867	1002	1279	1405	1512	1494	1349	1113	838	657	12717
55	125	84	188	315	566	715	799	781	659	405	193	101	4931
57	100	59	146	258	504	655	737	719	599	347	154	74	4352
60	69	32	94	181	411	565	644	626	509	264	104	43	3542
65	31	10	33	80	262	415	489	471	360	148	43	16	2358
70	18	1	8	22	134	266	334	316	213	65	14	4	1395

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	369	426	642	780	1045	1177	1281	1259	1125	887	619	436	369	795	1437	2217	3262	4439	5720	6979	8104	8991	9610	10046
45	250	296	490	630	890	1027	1126	1104	975	732	476	302	250	546	1036	1666	2556	3583	4709	5813	6788	7520	7996	8298
50	150	188	349	480	735	877	971	949	825	577	336	191	150	338	687	1167	1902	2779	3750	4699	5524	6101	6437	6628
55	77	104	218	337	581	727	816	794	675	427	215	107	77	181	399	736	1317	2044	2860	3654	4329	4756	4971	5078
60	33	47	116	207	427	577	661	639	525	277	120	51	33	80	196	403	830	1407	2068	2707	3232	3509	3629	3680
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	230	265	406	505	711	816	888	878	784	584	393	269	230	495	901	1406	2117	2933	3821	4699	5483	6067	6460	6729

(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.

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"><li>a. Temperature/ Precipitation Tables<ol style="list-style-type: none"><li>1. 1971-2000 Monthly Normals</li><li>2. Cooperative Summary of the Day</li><li>3. National Weather Service station records</li><li>4. 1971-2000 serially complete daily data</li></ol></li><li>b. Degree Day Table<ol style="list-style-type: none"><li>1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals</li><li>2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data</li></ol></li></ol> | <ol style="list-style-type: none"><li>c. Snow Tables<ol style="list-style-type: none"><li>1. Snow Climatology</li><li>2. Cooperative Summary of the Day</li></ol></li><li>d. Freeze Data Table<br/>1971-2000 serially complete daily data</li></ol> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 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)