

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: FORT MYERS (PAGE AP), FL

1971-2000

COOP ID: 083186

Climate Division: FL 5

NWS Call Sign: FMY

Elevation: 15 Feet

Lat: 26° 35N

Lon: 81° 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	75.3	54.5	64.9	88+	1990	19	73.3	1974	28+	1981	13	55.6	1981	103	97	.0	.0	31.0	.0	.4	.0
Feb	76.5	55.4	66.0	92	1962	25	72.1	1982	30+	1958	21	57.6	1978	75	99	.0	.1	28.2	.0	.1	.0
Mar	80.5	59.3	69.9	93+	1980	19	75.7	1997	33	1980	3	65.3	1983	28	174	.0	.6	31.0	.0	.0	.0
Apr	84.5	62.7	73.6	96	1986	30	77.7	1991	39	1950	8	68.8	1987	3	260	.0	3.3	30.0	.0	.0	.0
May	89.1	68.4	78.8	99+	1989	26	82.0	1995	50	1945	6	75.9	1983	0	423	.0	14.2	31.0	.0	.0	.0
Jun	91.2	73.1	82.2	103+	1981	17	85.6	1981	60	1984	1	78.9	1976	0	516	.2	21.6	30.0	.0	.0	.0
Jul	91.7	74.2	83.0	101+	1942	20	85.3	1979	66	1950	25	81.3	1974	0	564	@	25.5	31.0	.0	.0	.0
Aug	91.7	74.4	83.1	100	1942	4	84.8	1987	65	1957	24	81.3	1971	0	568	.0	25.4	31.0	.0	.0	.0
Sep	90.3	73.9	82.1	96+	1995	15	84.3	1980	64	1991	27	79.1	1976	0	518	.0	20.1	30.0	.0	.0	.0
Oct	86.3	68.6	77.5	95+	1990	4	81.5	1985	45	1957	28	72.5	1976	1	394	.0	5.9	31.0	.0	.0	.0
Nov	81.3	62.1	71.7	95	1986	23	78.4	1986	34+	1970	25	66.7	1976	16	222	.0	.5	30.0	.0	.0	.0
Dec	76.6	56.2	66.4	90+	1978	8	72.5	1971	26	1962	13	60.8	1989	76	122	.0	.1	30.9	.0	.1	.0
Ann	84.6	65.2	74.9	103+	Jun 1981	17	85.6	Jun 1981	26	Dec 1962	13	55.6	Jan 1981	302	3957	.2	117.3	365.1	.0	.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

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1931-2001

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

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Precipitation (inches)

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	2.23	2.01	2.63	1983	20	7.95	1991	.15	1984	6.1	3.5	1.6	.6	.18	.34	.63	.94	1.28	1.67	2.13	2.72	3.53	4.88	6.21
Feb	2.10	1.60	2.60	1969	15	10.82	1983	.11	2000	5.5	3.4	1.4	.7	.14	.27	.53	.82	1.14	1.52	1.97	2.55	3.35	4.71	6.06
Mar	2.74	2.67	5.60	1970	25	7.41	1983	.03	1974	6.1	3.7	1.6	.8	.19	.37	.71	1.09	1.51	2.00	2.58	3.32	4.35	6.09	7.81
Apr	1.67	1.26	4.67	1939	24	5.68	1994	.08	1981	4.3	3.0	1.3	.5	.11	.21	.42	.65	.91	1.21	1.57	2.02	2.66	3.74	4.81
May	3.42	2.80	7.75	1989	18	8.73	1980	.34	1994	6.6	4.4	2.0	.7	.56	.86	1.36	1.83	2.31	2.83	3.44	4.17	5.15	6.73	8.25
Jun	9.77	8.99	6.64	1959	17	20.10	1974	1.99	1980	14.7	10.8	5.7	3.2	3.57	4.49	5.81	6.91	7.96	9.04	10.21	11.57	13.31	15.99	18.44
Jul	8.98	8.89	4.06	1965	29	14.51	1991	4.77	1983	18.6	14.3	5.9	2.7	5.13	5.82	6.72	7.44	8.09	8.72	9.40	10.15	11.09	12.47	13.70
Aug	9.54	8.74	6.82	1932	30	16.73	1981	5.50	1984	18.5	14.6	6.0	3.1	5.34	6.08	7.06	7.84	8.55	9.25	9.98	10.81	11.84	13.37	14.73
Sep	7.86	7.94	7.78	1962	21	13.65	1979	1.93	1988	14.5	10.2	4.4	2.3	3.16	3.88	4.91	5.75	6.55	7.36	8.23	9.24	10.52	12.47	14.25
Oct	2.59	2.01	6.16	1951	1	6.85	1993	.16	1973	7.8	4.9	2.0	1.1	.20	.37	.71	1.07	1.46	1.92	2.46	3.15	4.10	5.70	7.28
Nov	1.71	.95	3.62	1987	3	8.06	1987	.00	2000	5.3	3.4	1.0	.4	.01	.07	.23	.44	.70	1.03	1.45	2.01	2.82	4.25	5.71
Dec	1.58	.89	3.00	1969	10	5.22	1986	.02	1984	4.9	2.9	1.0	.3	.09	.18	.37	.58	.82	1.11	1.46	1.90	2.53	3.60	4.67
Ann	54.19	52.43	7.78	Sep 1962	21	20.10	Jun 1974	.00	Nov 2000	112.9	79.1	33.9	16.4	39.98	42.77	46.32	49.00	51.37	53.65	56.00	58.59	61.72	66.24	70.13

+ 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: 1931-2001

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

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Elevation: 15 Feet

Lat: 26°35N

Lon: 81°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	.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:

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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	2/20	2/07	1/27	1/17	1/04	0/00	0/00	0/00	0/00
32	1/29	1/17	1/05	0/00	0/00	0/00	0/00	0/00	0/00
28	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
24	0/00	0/00	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	12/19	12/28	1/05	1/12	1/21	0/00	0/00	0/00	0/00
32	1/03	1/16	1/30	0/00	0/00	0/00	0/00	0/00	0/00
28	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
24	0/00	0/00	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	>365	>365	>365	>365	>365	>365	334	313
32	>365	>365	>365	>365	>365	>365	>365	>365	>365
28	>365	>365	>365	>365	>365	>365	>365	>365	>365
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:

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Climate Division: FL 5 NWS Call Sign: FMY Elevation: 15 Feet Lat: 26°35N Lon: 81°52W

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	103	75	28	3	0	0	0	0	0	1	16	76	302
60	72	32	6	0	0	0	0	0	0	0	2	23	135
57	43	16	1	0	0	0	0	0	0	0	0	10	70
55	30	10	0	0	0	0	0	0	0	0	0	5	45
50	12	2	0	0	0	0	0	0	0	0	0	1	15
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	1013	943	1168	1245	1444	1505	1583	1588	1506	1409	1196	1064	15664
55	317	308	457	555	731	815	870	875	816	696	506	362	7308
57	264	258	397	495	669	755	808	813	756	634	447	307	6603
60	192	189	308	406	576	665	715	720	666	541	360	230	5568
65	97	99	174	260	423	516	564	568	518	394	222	122	3957
70	30	31	66	126	267	365	405	410	366	237	105	40	2448

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	775	759	927	1014	1203	1272	1343	1346	1276	1168	961	825	775	1534	2461	3475	4678	5950	7293	8639	9915	11083	12044	12869
45	621	614	772	864	1048	1122	1188	1191	1126	1013	811	670	621	1235	2007	2871	3919	5041	6229	7420	8546	9559	10370	11040
50	470	470	618	714	893	972	1033	1036	976	858	661	519	470	940	1558	2272	3165	4137	5170	6206	7182	8040	8701	9220
55	323	333	464	564	738	822	878	881	826	703	512	369	323	656	1120	1684	2422	3244	4122	5003	5829	6532	7044	7413
60	200	206	318	415	583	672	723	726	676	548	364	237	200	406	724	1139	1722	2394	3117	3843	4519	5067	5431	5668
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	496	489	623	698	842	897	946	953	905	833	660	538	496	985	1608	2306	3148	4045	4991	5944	6849	7682	8342	8880

(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