

Climatology of the United States

No. 20

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

Station: MOORE HAVEN LOCK 1, FL

1971-2000

COOP ID: 085895

Climate Division: FL 5

NWS Call Sign:

Elevation: 35 Feet

Lat: 26° 50N

Lon: 81° 05W

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	73.6	51.7	62.7	88+	2001	20	71.4	1974	23+	1982	12	53.1	1981	170	84	.0	.0	30.9	.0	1.0	.0
Feb	75.1	52.4	63.8	91+	1939	12	70.3	1990	28	1947	6	55.9	1978	118	84	.0	@	28.1	.0	.3	.0
Mar	79.2	56.6	67.9	93	1982	21	73.6	1997	26	1980	4	64.0	1996	45	135	.0	.8	31.0	.0	.1	.0
Apr	83.0	60.5	71.8	97	1999	26	75.6	1991	33	1950	7	66.1	1987	8	210	.0	3.7	30.0	.0	.0	.0
May	87.5	65.8	76.7	98+	1981	20	79.7	1991	44	1971	21	73.4	1992	0	362	.0	11.5	31.0	.0	.0	.0
Jun	90.0	70.8	80.4	101	1985	5	84.0	1998	54+	1933	4	78.3	1972	0	461	.1	18.6	30.0	.0	.0	.0
Jul	91.1	72.1	81.6	103	1932	8	83.2	1998	62+	1977	3	79.3	1973	0	515	.1	24.7	31.0	.0	.0	.0
Aug	90.5	72.6	81.6	98+	1999	3	83.4	1998	61+	2001	7	79.1	1973	0	512	.0	23.7	31.0	.0	.0	.0
Sep	88.7	72.2	80.5	99+	1996	20	82.1	1989	58	1938	22	78.5	1984	0	464	.0	17.0	30.0	.0	.0	.0
Oct	84.4	67.0	75.7	95+	1987	8	79.2	1985	40	1938	29	72.3	1987	1	332	.0	5.0	31.0	.0	.0	.0
Nov	79.4	60.6	70.0	91+	1979	12	77.2	1986	31	1940	16	65.9	1981	22	172	.0	.3	30.0	.0	.0	.0
Dec	74.8	54.1	64.5	90	1931	6	70.4	1971	23+	1989	25	58.5	1989	109	92	.0	.0	30.9	.0	.5	.0
Ann	83.1	63.0	73.1	103	Jul 1932	8	84.0	Jun 1998	23+	Dec 1989	25	53.1	Jan 1981	473	3423	.2	105.3	364.9	.0	1.9	.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: 1930-2001

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

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Lon: 81°05W

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	2.04	1.56	3.71	1941	18	5.83	1979	.04	1990	5.8	3.5	1.4	.5	.10	.21	.45	.72	1.04	1.41	1.86	2.45	3.28	4.69	6.11
Feb	2.05	1.47	2.59	1964	5	8.04	1983	.10	1989	5.7	3.4	1.3	.7	.16	.29	.56	.84	1.15	1.51	1.94	2.49	3.24	4.51	5.75
Mar	2.93	2.52	4.37	1995	18	6.70	1982	.08	1974	5.6	3.8	1.8	1.0	.35	.58	.99	1.40	1.84	2.32	2.88	3.58	4.53	6.08	7.60
Apr	2.35	2.11	3.35	1942	17	7.04	1985	.00	1987	5.2	3.8	1.6	.7	.08	.25	.57	.91	1.29	1.72	2.23	2.88	3.77	5.28	6.76
May	3.70	2.40	4.30	1994	30	10.13	1982	.38	1983	8.2	5.5	2.5	1.1	.46	.75	1.27	1.79	2.34	2.94	3.65	4.52	5.71	7.65	9.53
Jun	6.98	5.45	8.40	1936	15	22.28	1992	1.09	1979	13.9	10.7	4.7	1.7	1.70	2.35	3.37	4.28	5.18	6.13	7.19	8.45	10.11	12.73	15.18
Jul	6.67	6.39	4.22	1937	1	18.56	1974	1.45	1979	14.7	10.5	4.5	2.1	1.88	2.52	3.47	4.31	5.12	5.97	6.91	8.03	9.47	11.73	13.84
Aug	6.80	6.30	4.27	1997	10	14.22	1998	2.67	1978	14.8	10.4	4.7	2.1	2.71	3.34	4.23	4.96	5.66	6.36	7.13	8.01	9.13	10.84	12.40
Sep	6.42	6.11	7.12	1948	22	17.69	1979	.75	1996	12.1	8.6	3.9	2.3	1.31	1.90	2.84	3.70	4.57	5.49	6.54	7.80	9.47	12.14	14.67
Oct	2.95	2.21	5.93	1951	2	10.69	1995	.24	1981	7.9	4.5	1.8	.8	.30	.52	.93	1.34	1.78	2.28	2.87	3.60	4.60	6.26	7.88
Nov	1.91	1.62	3.87	1977	30	8.53	1987	.03	1973	5.3	2.9	1.0	.4	.12	.23	.46	.72	1.02	1.36	1.78	2.31	3.05	4.32	5.57
Dec	1.64	1.12	5.22	1957	24	5.04	1997	.09	1984	5.3	3.2	1.0	.4	.12	.23	.44	.66	.91	1.20	1.55	1.99	2.59	3.62	4.63
Ann	46.44	47.75	8.40	Jun 1936	15	22.28	Jun 1992	.00	Apr 1987	104.5	70.8	30.2	13.8	33.37	35.91	39.16	41.62	43.80	45.91	48.08	50.49	53.40	57.61	61.25

+ 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: 1930-2001

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

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Climate Division: FL 5

NWS Call Sign:

Elevation: 35 Feet

Lat: 26°50N

Lon: 81°05W

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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NWS Call Sign:

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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	3/05	2/22	2/14	2/07	1/31	1/23	1/13	0/00	0/00
32	2/17	2/03	1/23	1/09	0/00	0/00	0/00	0/00	0/00
28	1/28	1/11	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	12/07	12/19	12/27	1/04	1/12	1/20	2/01	0/00	0/00
32	12/24	1/05	1/15	1/27	0/00	0/00	0/00	0/00	0/00
28	1/04	1/25	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	339	327	317	307	294
32	>365	>365	>365	>365	>365	>365	>365	>365	332
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: Elevation: 35 Feet Lat: 26° 50N Lon: 81° 05W

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	170	118	45	8	0	0	0	0	0	1	22	109	473
60	103	54	11	0	0	0	0	0	0	0	4	44	216
57	66	29	4	0	0	0	0	0	0	0	1	22	122
55	47	19	1	0	0	0	0	0	0	0	0	13	80
50	20	5	0	0	0	0	0	0	0	0	0	3	28
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	951	890	1114	1191	1385	1451	1538	1535	1454	1354	1140	1006	15009
55	285	265	402	501	672	761	825	822	764	641	450	306	6694
57	242	219	342	441	610	701	763	760	704	579	391	253	6005
60	186	160	257	351	517	611	670	667	614	486	304	181	5004
65	84	84	135	210	362	461	515	512	464	332	172	92	3423
70	50	32	54	96	211	311	360	357	314	187	77	32	2081

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	721	706	882	965	1151	1225	1304	1310	1236	1128	917	773	721	1427	2309	3274	4425	5650	6954	8264	9500	10628	11545	12318
45	568	562	727	815	996	1075	1149	1155	1086	973	767	620	568	1130	1857	2672	3668	4743	5892	7047	8133	9106	9873	10493
50	422	418	573	665	841	925	994	1000	936	818	617	469	422	840	1413	2078	2919	3844	4838	5838	6774	7592	8209	8678
55	283	288	422	515	686	775	839	845	786	663	467	327	283	571	993	1508	2194	2969	3808	4653	5439	6102	6569	6896
60	169	173	278	368	531	625	684	690	636	508	324	201	169	342	620	988	1519	2144	2828	3518	4154	4662	4986	5187
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	464	456	583	652	799	860	908	917	879	798	622	500	464	920	1503	2155	2954	3814	4722	5639	6518	7316	7938	8438

(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.

- 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
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