

Climatography of the United States

No. 20

1971-2000

Station: MONTICELLO 3 W, FL

COOP ID: 085879

Climate Division: FL 1

NWS Call Sign:

Elevation: 145 Feet

Lat: 30° 32N

Lon: 83° 55W

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	62.3	38.3	50.3	84	1953	18	65.1	1974	4	1985	21	41.2	1977	481	11	.0	.0	27.2	.1	11.9	.0
Feb	66.1	40.8	53.5	88	1962	13	60.5	1990	14+	1996	5	44.1	1978	331	8	.0	.0	26.2	.1	7.1	.0
Mar	72.5	47.6	60.1	92	1963	18	66.2	1997	18	1980	3	55.3	1996	188	35	.0	@	30.5	@	2.0	.0
Apr	78.1	52.3	65.2	94	1958	26	70.2	1999	31	1987	1	61.2	1993	69	74	.0	.4	30.0	.0	@	.0
May	84.7	60.4	72.6	106	1962	28	76.0	1991	38	1971	4	69.7	1981	5	239	.0	4.6	31.0	.0	.0	.0
Jun	89.4	67.2	78.3	105	1952	27	83.4	1998	44	1984	1	75.1	1997	0	399	.6	15.3	30.0	.0	.0	.0
Jul	90.7	69.8	80.3	102+	1981	18	82.7	1998	54	1967	16	77.4	1984	0	473	.4	20.5	31.0	.0	.0	.0
Aug	90.0	69.2	79.6	104	1963	7	83.0	1999	58+	1997	23	78.0	1973	0	452	.1	18.7	31.0	.0	.0	.0
Sep	86.9	65.4	76.2	102+	1963	13	78.5+	1986	36	1967	30	73.5	1983	0	336	.0	10.0	30.0	.0	.0	.0
Oct	79.6	53.6	66.6	95+	1959	2	73.0	1985	28	1952	30	60.4	1987	79	128	.0	1.0	31.0	.0	.2	.0
Nov	72.0	46.4	59.2	91	1961	1	67.2	1985	13	1970	25	51.3	1976	214	41	.0	.0	29.9	.0	3.5	.0
Dec	64.6	39.9	52.3	84+	1982	5	60.6	1971	7	1962	13	44.5	1989	411	14	.0	.0	28.5	.1	10.2	.0
Ann	78.1	54.2	66.2	106	May 1962	28	83.4	Jun 1998	4	Jan 1985	21	41.2	Jan 1977	1778	2210	1.1	70.5	356.3	.3	34.9	.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: 1948-2001

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

050-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: MONTICELLO 3 W, FL

COOP ID: 085879

Climate Division: FL 1

NWS Call Sign:

Elevation: 145 Feet

Lat: 30°32N

Lon: 83°55W

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	4.53	5.45	1991	11	20.49	1991	.74	1989	11.4	7.5	3.5	1.9	1.50	2.04	2.85	3.57	4.27	5.01	5.82	6.79	8.06	10.04	11.89
Feb	4.64	4.44	6.25	1981	11	8.94	1986	.97	1976	8.7	5.6	2.8	1.5	1.26	1.70	2.37	2.96	3.53	4.13	4.80	5.59	6.62	8.23	9.74
Mar	6.00	5.32	8.00	1991	3	14.28	1991	1.36	1979	9.8	6.6	3.8	2.0	2.05	2.62	3.45	4.15	4.82	5.51	6.26	7.14	8.26	10.01	11.61
Apr	3.63	3.01	6.80	1953	6	11.68	1973	.34	1986	6.7	4.1	2.0	1.1	.36	.62	1.12	1.63	2.17	2.79	3.52	4.43	5.67	7.74	9.77
May	4.03	4.08	3.55	1964	2	9.78	1976	.69	1993	8.5	5.7	3.0	1.5	.86	1.23	1.82	2.35	2.89	3.47	4.12	4.90	5.93	7.57	9.12
Jun	5.60	4.70	8.21	2001	12	15.47	1989	1.14	1986	12.4	8.6	3.6	1.7	1.78	2.32	3.10	3.77	4.42	5.10	5.83	6.70	7.81	9.55	11.15
Jul	6.50	5.87	4.85	1964	18	13.63	1984	2.27	1983	14.8	9.8	4.4	1.8	2.32	2.93	3.81	4.56	5.27	6.00	6.80	7.72	8.91	10.73	12.41
Aug	6.73	5.63	4.39	1994	16	16.76	1994	3.33	1982	14.1	10.1	4.7	2.4	3.04	3.63	4.46	5.13	5.76	6.39	7.06	7.84	8.81	10.28	11.61
Sep	4.70	3.87	7.41	1957	16	17.50	1998	.50	1972	10.3	6.3	2.7	1.2	.65	1.04	1.71	2.36	3.05	3.80	4.67	5.74	7.18	9.54	11.82
Oct	3.32	2.35	5.12	1994	2	12.48	1994	.09	1987	6.9	3.9	2.0	1.0	.26	.48	.91	1.36	1.87	2.46	3.15	4.04	5.26	7.31	9.34
Nov	3.63	3.19	4.36	1976	28	8.76	1986	.38	1991	8.6	4.7	2.4	1.1	.58	.89	1.42	1.92	2.44	3.00	3.65	4.43	5.49	7.20	8.84
Dec	3.90	3.92	5.40	1964	4	7.91	1985	.64	1984	10.0	5.6	2.6	1.0	.98	1.35	1.92	2.42	2.92	3.44	4.02	4.72	5.62	7.06	8.40
Ann	58.31	59.59	8.21	Jun 2001	12	20.49	Jan 1991	.09	Oct 1987	122.2	78.5	37.5	18.2	40.10	43.58	48.06	51.49	54.54	57.50	60.56	63.96	68.09	74.11	79.33

+ 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

Complete documentation available from:
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Station: MONTICELLO 3 W, FL

COOP ID: 085879

Climate Division: FL 1

NWS Call Sign:

Elevation: 145 Feet

Lat: 30°32N

Lon: 83°55W

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	#	1985	20	#+	1985	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Feb	.0	.0	0	0	.5	1973	10	.5	1973	0	0	0	0	0	.1	.0	.0	.0	.0	.0	.0	.0	.0
Mar	.0	.0	#	0	.1	1980	3	.1	1980	#	1975	4	#	1975	@	.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	1.0	1989	23	1.0	1989	1	1989	23	#	1989	@	@	.0	.0	.0	@	.0	.0	.0
Ann	#	.0	N/A	N/A	1.0	Dec 1989	23	1.0	Dec 1989	1	Dec 1989	23	#+	Dec 1989	.1	@	.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:

Elevation: 145 Feet

Lat: 30°32N

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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	4/15	4/09	4/04	4/01	3/28	3/24	3/21	3/16	3/10
32	3/26	3/21	3/17	3/14	3/11	3/08	3/05	3/02	2/24
28	3/10	3/04	2/28	2/24	2/21	2/17	2/14	2/09	2/04
24	2/26	2/20	2/15	2/11	2/08	2/04	1/31	1/26	1/16
20	2/14	2/05	1/29	1/22	1/15	1/06	0/00	0/00	0/00
16	1/21	1/09	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	10/14	10/20	10/25	10/28	11/01	11/05	11/08	11/13	11/19
32	10/26	11/02	11/07	11/12	11/16	11/20	11/24	11/30	12/07
28	11/01	11/12	11/20	11/26	12/02	12/08	12/15	12/22	1/02
24	11/26	12/06	12/13	12/19	12/25	12/31	1/07	1/16	2/02
20	12/20	12/29	1/06	1/13	1/20	1/29	0/00	0/00	0/00
16	1/05	1/22	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	245	236	229	223	217	212	206	199	189
32	274	265	259	254	249	244	239	233	224
28	313	301	293	287	281	275	269	262	252
24	>365	>365	329	319	312	306	301	295	286
20	>365	>365	>365	>365	>365	>365	>365	338	325
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 1 NWS Call Sign: Elevation: 145 Feet Lat: 30°32N Lon: 83°55W

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	481	331	188	69	5	0	0	0	0	79	214	411	1778
60	353	210	95	18	0	0	0	0	0	30	122	279	1107
57	287	152	55	6	0	0	0	0	0	15	79	214	808
55	249	120	35	3	0	0	0	0	0	9	56	177	649
50	165	56	9	0	0	0	0	0	0	2	20	99	351
32	14	0	0	0	0	0	0	0	0	0	0	2	16

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	581	602	871	995	1257	1389	1496	1475	1326	1073	817	628	12510
55	102	78	193	308	544	699	783	762	636	368	182	90	4745
57	79	54	150	252	482	639	721	700	576	312	145	65	4175
60	52	28	98	174	389	549	628	607	486	235	98	38	3382
65	11	8	35	74	239	399	473	452	336	128	41	14	2210
70	11	0	9	18	113	252	318	297	191	53	13	2	1277

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	351	409	632	763	1020	1157	1260	1242	1100	840	591	406	351	760	1392	2155	3175	4332	5592	6834	7934	8774	9365	9771
45	231	285	483	613	865	1007	1105	1087	950	685	445	277	231	516	999	1612	2477	3484	4589	5676	6626	7311	7756	8033
50	137	178	338	463	710	857	950	932	800	530	314	173	137	315	653	1116	1826	2683	3633	4565	5365	5895	6209	6382
55	72	97	214	322	555	707	795	777	650	380	197	99	72	169	383	705	1260	1967	2762	3539	4189	4569	4766	4865
60	31	41	111	193	401	557	640	622	500	243	108	46	31	72	183	376	777	1334	1974	2596	3096	3339	3447	3493
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	225	267	406	501	690	794	869	863	765	563	390	265	225	492	898	1399	2089	2883	3752	4615	5380	5943	6333	6598

(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/normal/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