

# Climatography of the United States

No. 20

1971-2000

Station: JASPER, FL

COOP ID: 084394

Climate Division: FL 2

NWS Call Sign:

Elevation: 147 Feet

Lat: 30° 31N

Lon: 82° 57W

## 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	63.7	38.6	51.2	84+	1960	10	66.3	1974	4+	1985	22	42.3	1977	448	4	.0	.0	28.3	@	11.2	.0
Feb	66.7	41.6	54.2	89	1962	23	61.0	1990	14+	1996	6	47.2	1978	313	9	.0	.0	26.7	.1	6.3	.0
Mar	73.2	47.6	60.4	92+	1967	12	67.1	1997	19	1980	3	54.7	1996	182	41	.0	.1	30.6	.0	1.7	.0
Apr	78.5	52.7	65.6	95+	1968	22	70.7	1999	33+	1987	1	61.1	1993	64	81	.0	.9	30.0	.0	.0	.0
May	84.6	60.5	72.6	102	1962	28	76.8	1991	39	1971	4	69.3	1988	6	240	.0	6.3	31.0	.0	.0	.0
Jun	89.0	67.4	78.2	104+	1954	10	82.9	1998	47	1984	1	75.0	1972	0	396	.5	18.0	30.0	.0	.0	.0
Jul	90.8	70.3	80.6	104	1963	29	83.4	1998	59+	1974	15	77.7	1984	0	482	.5	23.9	31.0	.0	.0	.0
Aug	90.5	69.6	80.1	103+	1999	3	82.5	1999	59+	1984	28	77.9	1994	0	466	.1	22.3	31.0	.0	.0	.0
Sep	87.9	66.2	77.1	102+	1991	15	79.6	1973	38	1967	30	74.3	1983	0	361	@	15.2	30.0	.0	.0	.0
Oct	80.8	55.2	68.0	99	1963	27	74.4	1985	29+	1968	27	61.6	1987	59	152	.0	2.4	31.0	.0	.2	.0
Nov	73.6	47.5	60.6	90	1961	1	67.8	1985	15	1970	25	53.4	1976	186	52	.0	.0	29.9	.0	3.2	.0
Dec	65.8	40.6	53.2	86	1991	1	63.2	1971	9	1962	13	44.0	1989	385	20	.0	.0	28.9	.1	9.2	.0
Ann	78.8	54.8	66.8	104+	Jul 1963	29	83.4	Jul 1998	4+	Jan 1985	22	42.3	Jan 1977	1643	2304	1.1	89.1	358.4	.2	31.8	.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](http://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: 1952-2001

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

036-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: JASPER, FL**

**COOP ID: 084394**

**Climate Division: FL 2**

**NWS Call Sign:**

**Elevation: 147 Feet**

**Lat: 30°31N**

**Lon: 82°57W**

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	4.96	4.62	3.80	1975	20	15.30	1991	.40	1989	8.4	6.9	3.3	1.7	1.34	1.81	2.53	3.16	3.77	4.42	5.13	5.98	7.08	8.81	10.42
Feb	4.13	3.20	5.00	1988	19	10.18	1986	1.20	1999	6.8	5.9	2.8	1.4	1.23	1.62	2.21	2.72	3.21	3.73	4.29	4.96	5.82	7.17	8.42
Mar	5.16	4.15	5.45	1984	28	12.01	1984	.47	1979	7.5	6.4	3.3	1.6	1.25	1.74	2.49	3.16	3.82	4.53	5.31	6.24	7.47	9.40	11.22
Apr	3.45	2.83	10.20	1962	1	17.75	1973	.37	1990	5.2	4.4	1.9	1.0	.33	.58	1.05	1.53	2.05	2.64	3.34	4.21	5.41	7.39	9.34
May	3.33	2.86	7.03	1964	2	10.52	1976	.38+	2000	6.6	5.3	2.2	1.0	.51	.79	1.27	1.73	2.21	2.73	3.33	4.07	5.05	6.66	8.20
Jun	6.03	5.54	6.50	1972	25	16.82	1972	1.47	1990	10.5	9.0	4.0	1.8	1.69	2.27	3.13	3.89	4.63	5.40	6.25	7.26	8.57	10.62	12.53
Jul	5.62	5.04	3.52	1987	1	12.18	1985	1.63	1973	12.5	9.9	4.0	1.6	2.18	2.70	3.44	4.06	4.64	5.24	5.88	6.63	7.57	9.03	10.36
Aug	6.27	5.70	4.00+	1987	13	11.90	1987	.34	1984	12.1	10.0	4.4	1.7	1.70	2.30	3.20	3.99	4.77	5.58	6.48	7.55	8.94	11.12	13.16
Sep	4.20	3.71	6.10	1964	12	10.95	2000	.57	1978	8.4	6.4	2.9	1.1	.65	1.01	1.62	2.19	2.79	3.45	4.20	5.12	6.36	8.36	10.28
Oct	2.87	2.27	4.88	1996	8	9.39	1994	.00	1987	4.6	3.1	1.8	.8	.10	.31	.72	1.13	1.59	2.11	2.73	3.52	4.60	6.42	8.21
Nov	2.79	2.29	2.80	1958	6	7.57	1976	.16	1994	5.7	3.9	2.0	.9	.41	.65	1.05	1.44	1.84	2.28	2.79	3.41	4.25	5.61	6.92
Dec	3.43	3.44	3.13	1963	13	7.11	1977	.45	1984	6.9	5.4	2.3	1.0	.48	.76	1.25	1.73	2.23	2.78	3.41	4.19	5.23	6.94	8.59
Ann	52.24	52.89	10.20	Apr 1962	1	17.75	Apr 1973	.00	Oct 1987	95.2	76.6	34.9	15.6	37.46	40.33	44.00	46.78	49.25	51.64	54.10	56.82	60.11	64.89	69.01

+ 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: 1952-2001

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

Complete documentation available from:  
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**Climate Division: FL 2**

**NWS Call Sign:**

**Elevation: 147 Feet**

**Lat: 30°31N**

**Lon: 82°57W**

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	#	1977	19	#+	1977	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	#	1993	13	#+	1993	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	.1	.0	0	0	2.0	1989	23	2.0	1989	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Ann	.1	.0	N/A	N/A	2.0	Dec 1989	23	2.0	Dec 1989	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

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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	4/12	4/06	4/01	3/29	3/25	3/21	3/18	3/13	3/07
32	3/25	3/18	3/13	3/09	3/05	3/01	2/25	2/20	2/13
28	3/10	3/03	2/26	2/22	2/18	2/14	2/10	2/05	1/29
24	2/25	2/17	2/12	2/07	2/02	1/27	1/21	1/12	0/00
20	2/14	2/05	1/28	1/21	1/13	12/29	0/00	0/00	0/00
16	1/22	1/10	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	10/27	10/31	11/04	11/08	11/12	11/16	11/21	11/27
32	10/25	11/03	11/09	11/14	11/19	11/24	11/29	12/06	12/14
28	11/12	11/22	11/29	12/05	12/11	12/16	12/23	12/30	1/09
24	11/28	12/09	12/17	12/24	12/31	1/07	1/16	1/29	0/00
20	12/20	1/01	1/11	1/21	2/01	2/20	0/00	0/00	0/00
16	1/05	1/21	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	253	244	238	232	227	222	217	211	202
32	286	277	270	264	258	253	247	240	230
28	323	312	305	299	293	288	282	275	266
24	>365	>365	>365	342	328	319	311	303	292
20	>365	>365	>365	>365	>365	>365	>365	344	332
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	448	313	182	64	6	0	0	0	0	59	186	385	1643
60	337	194	93	17	0	0	0	0	0	20	101	261	1023
57	274	139	53	6	0	0	0	0	0	9	62	200	743
55	237	108	34	2	0	0	0	0	0	5	43	165	594
50	157	47	9	0	0	0	0	0	0	0	14	91	318
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	607	621	882	1007	1258	1386	1505	1489	1351	1116	856	660	12738
55	117	84	203	319	545	696	792	776	661	408	208	110	4919
57	92	59	160	263	483	636	730	714	601	350	168	82	4338
60	62	31	106	184	390	546	637	621	511	268	116	50	3522
65	4	9	41	81	240	396	482	466	361	152	52	20	2304
70	3	0	11	22	115	248	327	311	215	68	17	7	1344

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	374	431	655	779	1032	1166	1276	1258	1129	882	624	427	374	805	1460	2239	3271	4437	5713	6971	8100	8982	9606	10033
45	247	302	501	629	877	1016	1121	1103	979	727	475	297	247	549	1050	1679	2556	3572	4693	5796	6775	7502	7977	8274
50	154	191	356	480	722	866	966	948	829	572	335	187	154	345	701	1181	1903	2769	3735	4683	5512	6084	6419	6606
55	84	107	226	339	567	716	811	793	679	420	218	107	84	191	417	756	1323	2039	2850	3643	4322	4742	4960	5067
60	39	45	125	209	412	566	656	638	529	277	123	52	39	84	209	418	830	1396	2052	2690	3219	3496	3619	3671
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	248	279	426	513	696	799	875	868	774	592	417	285	248	527	953	1466	2162	2961	3836	4704	5478	6070	6487	6772

(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.

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                     |
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| <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> |
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## 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)