

# Climatology of the United States

No. 20

1971-2000

Station: LA BELLE, FL

COOP ID: 084662

Climate Division: FL 5

NWS Call Sign:

Elevation: 16 Feet

Lat: 26° 45N

Lon: 81° 26W

## 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	75.5	50.0	62.8	90+	1972	14	71.0	1974	19	1997	20	52.2	1981	177	93	.0	@	30.9	.0	2.0	.0
Feb	77.6	51.5	64.6	92+	1975	20	71.3	1997	24	1996	5	57.7	1978	103	90	.0	.5	28.1	.0	1.1	.0
Mar	81.5	55.4	68.5	95	1977	21	75.2	1997	28	1980	3	64.6	1981	52	157	.0	2.8	31.0	.0	.4	.0
Apr	85.7	58.2	72.0	98+	1974	2	76.0	1994	35	1950	7	65.3	1987	10	218	.0	7.1	30.0	.0	.0	.0
May	90.1	64.1	77.1	104+	1973	29	80.3	1975	47+	1992	1	73.6	1992	0	376	.2	18.2	31.0	.0	.0	.0
Jun	92.0	69.3	80.7	102	1980	29	84.3	1998	55	1984	1	78.2	1976	0	470	.4	24.1	30.0	.0	.0	.0
Jul	93.0	71.0	82.0	101+	1998	7	83.6	1998	61	1998	10	79.4	1973	0	526	.3	28.1	31.0	.0	.0	.0
Aug	92.5	72.0	82.3	101	1963	8	84.1	1998	61	1963	8	80.9	1994	0	535	.0	27.1	31.0	.0	.0	.0
Sep	90.8	71.2	81.0	99	1948	5	82.7	1988	60+	1999	15	78.5	1971	0	480	.0	22.5	30.0	.0	.0	.0
Oct	86.7	65.4	76.1	96+	1988	1	78.5	1985	42+	1977	18	72.8	1987	0	344	.0	8.3	31.0	.0	.0	.0
Nov	81.0	59.4	70.2	94+	1992	6	76.2	1986	27	1970	25	64.8	1981	22	177	.0	.8	30.0	.0	@	.0
Dec	76.4	52.9	64.7	90+	1999	10	69.9	1971	22	1962	13	59.3	1989	98	87	.0	.1	30.9	.0	.8	.0
Ann	85.2	61.7	73.5	104+	May 1973	29	84.3	Jun 1998	19	Jan 1997	20	52.2	Jan 1981	462	3553	.9	139.6	364.9	.0	4.3	.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: 1948-2001

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

039-A

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## No. 20 1971-2000

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

**Station: LA BELLE, FL**

**COOP ID: 084662**

**Climate Division: FL 5**

**NWS Call Sign:**

**Elevation: 16 Feet**

**Lat: 26°45N**

**Lon: 81°26W**

### 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	2.31	2.25	3.50	1991	16	6.42	1991	.10	1974	5.6	3.4	1.4	.6	.12	.24	.51	.82	1.17	1.60	2.11	2.78	3.72	5.33	6.94
Feb	2.16	1.53	2.78	1964	5	11.58	1983	.46	1979	5.6	3.6	1.4	.6	.25	.41	.72	1.02	1.34	1.70	2.12	2.64	3.34	4.51	5.65
Mar	2.89	2.52	3.90	1984	24	10.55	1987	.04	1974	5.6	3.7	1.6	.8	.18	.36	.72	1.11	1.56	2.07	2.70	3.50	4.62	6.51	8.39
Apr	2.29	1.80	3.00	1990	29	9.22	1997	.07	1987	4.6	3.5	1.4	.5	.18	.33	.63	.94	1.29	1.69	2.18	2.78	3.63	5.04	6.44
May	3.91	3.45	4.50	1974	17	10.68	1982	.06	1993	6.9	4.7	2.1	1.2	.44	.73	1.28	1.82	2.41	3.06	3.82	4.77	6.07	8.20	10.28
Jun	8.88	8.90	6.33	1984	17	16.99	1992	1.41	1980	12.7	9.9	4.7	2.6	2.50	3.34	4.62	5.73	6.82	7.95	9.21	10.69	12.62	15.64	18.45
Jul	7.69	7.17	4.25	1995	18	16.73	1995	3.09	1979	14.3	11.0	4.9	2.2	2.72	3.44	4.49	5.38	6.22	7.09	8.03	9.13	10.54	12.72	14.71
Aug	7.78	7.75	4.20	1949	8	13.75	1986	2.44	1987	13.3	10.0	4.3	2.1	3.63	4.31	5.25	6.00	6.70	7.41	8.16	9.02	10.10	11.73	13.20
Sep	6.57	6.34	6.24	1949	29	14.11	1979	1.66	1988	11.2	8.2	3.9	1.5	2.70	3.30	4.15	4.85	5.50	6.17	6.89	7.71	8.76	10.36	11.81
Oct	3.35	2.30	5.45	1987	12	11.58	1995	.35	1981	7.8	4.8	1.6	.7	.36	.62	1.08	1.55	2.05	2.61	3.27	4.09	5.21	7.06	8.87
Nov	2.34	1.69	5.20	1988	4	9.04	1987	.05	1973	4.6	2.7	1.4	.6	.11	.23	.50	.81	1.17	1.60	2.13	2.81	3.78	5.44	7.11
Dec	1.71	1.18	2.90	1994	22	7.75	1997	.00+	1998	4.6	2.5	1.0	.5	.00	.08	.31	.56	.85	1.18	1.58	2.09	2.81	4.03	5.24
Ann	51.88	51.02	6.33	Jun 1984	17	16.99	Jun 1992	.00+	Dec 1998	96.8	68.0	29.7	13.9	37.77	40.53	44.05	46.71	49.07	51.35	53.70	56.29	59.42	63.95	67.86

+ 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

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**NWS Call Sign:**

**Elevation: 16 Feet**

**Lat: 26°45N**

**Lon: 81°26W**

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	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	N/A	N/A	#	Jan 1977	19	#	Jan 1977	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	3/20	3/10	3/02	2/24	2/17	2/11	2/05	1/27	1/15
32	3/11	2/26	2/17	2/08	1/31	1/23	1/13	12/29	0/00
28	2/17	2/05	1/25	1/13	0/00	0/00	0/00	0/00	0/00
24	1/20	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	12/01	12/10	12/16	12/22	12/27	1/01	1/07	1/14	1/25
32	12/10	12/22	12/31	1/08	1/16	1/24	2/03	2/22	0/00
28	12/29	1/11	1/22	2/06	0/00	0/00	0/00	0/00	0/00
24	1/20	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	339	327	318	310	302	294	285	273
32	>365	>365	>365	>365	343	330	320	311	300
28	>365	>365	>365	>365	>365	>365	>365	350	328
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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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	177	103	52	10	0	0	0	0	0	0	22	98	462
60	104	43	15	1	0	0	0	0	0	0	4	36	203
57	67	22	6	0	0	0	0	0	0	0	1	17	113
55	48	14	3	0	0	0	0	0	0	0	0	10	75
50	20	3	0	0	0	0	0	0	0	0	0	2	25
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	953	912	1129	1198	1399	1460	1549	1558	1470	1366	1145	1013	15152
55	288	282	419	508	686	770	836	845	780	653	455	309	6831
57	245	234	360	448	624	710	774	783	720	591	395	254	6138
60	189	170	276	359	531	620	681	690	630	498	308	180	5132
65	93	90	157	218	376	470	526	535	480	344	177	87	3553
70	52	34	75	104	223	320	371	380	330	194	80	28	2191

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	720	718	876	969	1159	1234	1298	1302	1231	1120	916	777	720	1438	2314	3283	4442	5676	6974	8276	9507	10627	11543	12320
45	567	574	721	819	1004	1084	1143	1147	1081	965	766	625	567	1141	1862	2681	3685	4769	5912	7059	8140	9105	9871	10496
50	420	433	567	669	849	934	988	992	931	810	616	474	420	853	1420	2089	2938	3872	4860	5852	6783	7593	8209	8683
55	283	299	415	519	694	784	833	837	781	655	467	329	283	582	997	1516	2210	2994	3827	4664	5445	6100	6567	6896
60	166	181	276	373	539	634	678	682	631	500	323	204	166	347	623	996	1535	2169	2847	3529	4160	4660	4983	5187
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	469	474	582	648	778	836	885	898	861	779	620	509	469	943	1525	2173	2951	3787	4672	5570	6431	7210	7830	8339

(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)