U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

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: PARRISH, FL **COOP ID: 086880**

Climate Division: FL 4 **NWS Call Sign:** **Elevation: 60 Feet** **Lat: 27˚37N** **Lon: 82˚21W**

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	72.3	49.3	60.8	86+	1990	21	69.7	1974	18	1981	13	50.3	1981	206	62	.0	.0	30.8	.0	1.6	.0
Feb	73.6	50.2	61.9	90+	1962	25	67.9	1990	24	1996	5	53.8	1978	148	60	.0	.0	28.1	.0	.8	.0
Mar	77.3	54.4	65.9	92	1961	8	71.1	1997	29+	1996	9	61.2	1996	76	101	.0	.1	31.0	.0	.1	.0
Apr	81.4	58.5	70.0	95+	1968	22	74.6	1991	36	1987	5	63.4	1987	20	167	.0	1.4	30.0	.0	.0	.0
May	86.4	64.3	75.4	98+	1962	27	79.0	1991	41	1999	8	72.0	1999	1	322	.0	9.9	31.0	.0	.0	.0
Jun	89.3	70.4	79.9	101	1985	6	83.6	1998	51	1984	1	77.0	1976	0	445	.1	20.7	30.0	.0	.0	.0
Jul	90.0	72.0	81.0	99+	1968	27	83.6	1998	62	1978	9	79.0	1974	0	496	.0	25.0	31.0	.0	.0	.0
Aug	90.3	72.5	81.4	101	1998	10	84.2	1998	64	1984	28	79.8	1971	0	509	@	24.6	31.0	.0	.0	.0
Sep	89.2	71.6	80.4	99	1998	6	82.0	1998	57+	1991	28	78.3	1976	0	461	.0	19.6	30.0	.0	.0	.0
Oct	84.8	65.0	74.9	97	1959	5	79.3	1985	43	1964	21	69.9	1987	4	310	.0	4.8	31.0	.0	.0	.0
Nov	79.1	57.9	68.5	92	1959	1	76.0	1986	25	1970	25	62.4	1976	49	153	.0	@	30.0	.0	.0	.0
Dec	73.9	51.7	62.8	89	1961	15	68.9	1998	20	1962	13	55.7	1989	144	76	.0	.0	30.9	.0	1.0	.0
Ann	82.3	61.5	71.9	101+	Aug 1998	10	84.2	Aug 1998	18	Jan 1981	13	50.3	Jan 1981	648	3162	.1	106.1	364.8	.0	3.5	.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

(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

Issue Date: February 2004

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Precipitation (inches)

Precipitation Totals

Month	Means/ Medians(1) Mean	Means/ Medians(1) Median	Extremes Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year
Jan	2.79	2.41	3.51	1998	24	7.72	1979	.13	1974
Feb	3.13	2.24	4.37	1963	12	10.56	1983	.07	1989
Mar	3.02	2.58	6.00	2001	30	11.15	1987	.27	1999
Apr	2.05	1.17	4.06	1951	7	8.01	1997	.01	1981
May	2.98	2.92	3.81	1999	31	7.57	1991	.00	2000
Jun	7.09	5.81	6.90	1992	24	23.41	1992	1.83	1998
Jul	7.57	7.76	5.50	1960	29	11.06	1973	2.88	1972
Aug	8.67	9.02	4.92	1949	20	13.89	1988	3.60	1996
Sep	7.45	7.10	8.27	2001	14	15.03	1988	1.48	1991
Oct	2.78	2.44	3.70	1985	3	7.23	1995	.14	1974
Nov	2.31	1.68	4.96	1995	1	8.46	1997	.12	1978
Dec	2.25	1.83	3.97	1997	13	11.13	1997	.34	1991
Ann	52.09	50.97	8.27	Sep 2001	14	23.41	Jun 1992	.00	May 2000

Mean Number of Days (3)

Month	Daily Precipitation >= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	6.1	4.3	1.8	.8
Feb	5.8	4.0	1.6	1.1
Mar	5.8	3.9	2.0	1.2
Apr	4.4	2.9	1.4	.6
May	6.0	3.9	1.9	1.0
Jun	12.2	9.1	4.3	2.4
Jul	15.5	11.2	5.4	2.3
Aug	15.4	12.1	6.1	2.9
Sep	13.0	9.3	4.5	2.2
Oct	6.0	4.2	1.6	1.0
Nov	5.2	3.3	1.2	.6
Dec	5.5	3.5	1.5	.8
Ann	100.9	71.7	33.3	16.9

Precipitation Probabilities (1)

Probability that the monthly/annual precipitation will be equal to or less than the indicated amount

Monthly/Annual Precipitation vs Probability Levels
These values were determined from the incomplete gamma distribution

Month	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.25	.45	.82	1.21	1.63	2.12	2.69	3.40	4.39	6.03	7.65
Feb	.24	.44	.85	1.28	1.76	2.31	2.96	3.80	4.95	6.89	8.81
Mar	.31	.53	.95	1.37	1.82	2.33	2.94	3.69	4.71	6.42	8.08
Apr	.07	.16	.38	.64	.95	1.33	1.81	2.44	3.34	4.90	6.49
May	.12	.37	.81	1.24	1.71	2.25	2.88	3.67	4.75	6.55	8.31
Jun	1.84	2.51	3.54	4.45	5.34	6.28	7.32	8.56	10.17	12.72	15.10
Jul	4.14	4.74	5.54	6.17	6.75	7.32	7.93	8.61	9.46	10.72	11.84
Aug	4.22	4.96	5.97	6.79	7.54	8.30	9.10	10.01	11.15	12.88	14.42
Sep	2.44	3.15	4.19	5.07	5.92	6.80	7.77	8.89	10.34	12.59	14.67
Oct	.24	.43	.80	1.18	1.61	2.09	2.66	3.38	4.38	6.04	7.67
Nov	.19	.34	.64	.96	1.31	1.72	2.20	2.81	3.65	5.06	6.45
Dec	.25	.42	.74	1.05	1.39	1.76	2.20	2.75	3.50	4.72	5.92
Ann	36.15	39.21	43.14	46.14	48.81	51.40	54.07	57.04	60.64	65.88	70.43

\+ 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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Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	#	.0	0	0
Feb	.0	.0	0	0
Mar	.0	.0	0	0
Apr	.0	.0	0	0
May	.0	.0	0	0
Jun	.0	.0	0	0
Jul	.0	.0	0	0
Aug	.0	.0	0	0
Sep	.0	.0	0	0
Oct	.0	.0	0	0
Nov	.0	.0	0	0
Dec	.0	.0	0	0
Ann	#	.0	N/A	N/A

Extremes (2)

Month	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year
Jan	#	1977	19	#	1977	0	0	0	0	0
Feb	.0	0	0	.0	0	0	0	0	0	0
Mar	.0	0	0	.0	0	0	0	0	0	0
Apr	.0	0	0	.0	0	0	0	0	0	0
May	.0	0	0	.0	0	0	0	0	0	0
Jun	.0	0	0	.0	0	0	0	0	0	0
Jul	.0	0	0	.0	0	0	0	0	0	0
Aug	.0	0	0	.0	0	0	0	0	0	0
Sep	.0	0	0	.0	0	0	0	0	0	0
Oct	.0	0	0	.0	0	0	0	0	0	0
Nov	.0	0	0	.0	0	0	0	0	0	0
Dec	.0	0	0	.0	0	0	0	0	0	0
Ann	#	Jan 1977	19	#	Jan 1977	0	0	0	0	0

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	.0	.0	.0	.0	.0
Feb	.0	.0	.0	.0	.0
Mar	.0	.0	.0	.0	.0
Apr	.0	.0	.0	.0	.0
May	.0	.0	.0	.0	.0
Jun	.0	.0	.0	.0	.0
Jul	.0	.0	.0	.0	.0
Aug	.0	.0	.0	.0	.0
Sep	.0	.0	.0	.0	.0
Oct	.0	.0	.0	.0	.0
Nov	.0	.0	.0	.0	.0
Dec	.0	.0	.0	.0	.0
Ann	.0	.0	.0	.0	.0

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	.0	.0	.0	.0
Feb	.0	.0	.0	.0
Mar	.0	.0	.0	.0
Apr	.0	.0	.0	.0
May	.0	.0	.0	.0
Jun	.0	.0	.0	.0
Jul	.0	.0	.0	.0
Aug	.0	.0	.0	.0
Sep	.0	.0	.0	.0
Oct	.0	.0	.0	.0
Nov	.0	.0	.0	.0
Dec	.0	.0	.0	.0
Ann	.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	3/17	3/07	2/28	2/21	2/15	2/09	2/02	1/25	1/13
32	3/01	2/19	2/11	2/04	1/28	1/21	1/12	12/26	0/00
28	2/04	1/26	1/18	1/09	12/25	0/00	0/00	0/00	0/00
24	1/18	1/04	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	11/28	12/06	12/12	12/17	12/22	12/26	12/31	1/07	1/16
32	12/11	12/22	12/31	1/08	1/16	1/24	2/05	0/00	0/00
28	12/31	1/10	1/19	1/30	0/00	0/00	0/00	0/00	0/00
24	1/10	1/28	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	333	321	313	306	299	292	283	272
32	>365	>365	>365	>365	350	336	326	316	304
28	>365	>365	>365	>365	>365	>365	>365	359	338
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

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Degree Days to Selected Base Temperatures (˚F)

Heating Degree Days (1)

Base Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	206	148	76	20	1	0	0	0	0	4	49	144	648
60	137	76	23	3	0	0	0	0	0	0	14	69	322
57	94	43	10	0	0	0	0	0	0	0	6	38	191
55	70	29	5	0	0	0	0	0	0	0	3	24	131
50	31	9	0	0	0	0	0	0	0	0	0	7	47
32	0	0	0	0	0	0	0	0	0	0	0	0	0

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	892	837	1048	1137	1344	1435	1519	1532	1451	1330	1095	955	14575
55	249	221	340	447	631	745	806	819	761	617	407	266	6309
57	211	180	283	387	569	685	744	757	701	555	350	217	5639
60	161	129	203	300	476	595	651	664	611	462	269	155	4676
65	62	60	101	167	322	445	496	509	461	310	153	76	3162
70	40	21	34	71	177	295	341	354	311	172	71	26	1913

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	677	667	844	926	1125	1217	1297	1305	1230	1094	871	729	677	1344	2188	3114	4239	5456	6753	8058	9288	10382	11253	11982
45	523	523	689	776	970	1067	1142	1150	1080	939	721	575	523	1046	1735	2511	3481	4548	5690	6840	7920	8859	9580	10155
50	379	384	537	626	815	917	987	995	930	784	571	425	379	763	1300	1926	2741	3658	4645	5640	6570	7354	7925	8350
55	252	259	386	478	660	767	832	840	780	629	424	290	252	511	897	1375	2035	2802	3634	4474	5254	5883	6307	6597
60	148	150	247	331	506	617	677	685	630	475	284	174	148	298	545	876	1382	1999	2676	3361	3991	4466	4750	4924
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	430	427	555	628	775	851	903	909	863	765	585	467	430	857	1412	2040	2815	3666	4569	5478	6341	7106	7691	8158

(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.
Compete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normals/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 are 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/normals.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normals/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