

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: CANAL POINT USDA, FL

1971-2000

COOP ID: 081276

Climate Division: FL 5

NWS Call Sign:

Elevation: 30 Feet

Lat: 26° 52N

Lon: 80° 38W

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	74.5	53.2	63.9	90	1963	19	70.2	1993	25	1982	12	54.6	1981	123	73	.0	.0	30.9	.0	.2	.0
Feb	75.8	54.2	65.0	90+	1991	1	70.7	1982	29	1996	5	57.7	1978	85	85	.0	.1	28.2	.0	.1	.0
Mar	80.0	57.9	69.0	94	1964	8	74.3	1997	31	1980	3	65.4	1996	24	147	.0	.6	31.0	.0	.1	.0
Apr	83.9	60.8	72.4	95	1999	26	75.2	1994	41+	1990	5	69.3	1987	1	222	.0	3.0	30.0	.0	.0	.0
May	88.0	65.8	76.9	97+	1995	18	80.2	1995	48	1971	5	74.4	1992	0	368	.0	10.8	31.0	.0	.0	.0
Jun	90.4	70.5	80.5	98+	1998	19	84.5	1998	54	1990	15	78.4	1976	0	464	.0	19.8	30.0	.0	.0	.0
Jul	91.8	71.4	81.6	100	1981	17	83.5	1998	62+	1974	15	79.7	1974	0	514	@	25.6	31.0	.0	.0	.0
Aug	91.5	71.8	81.7	98	1987	7	84.1	1998	61	1991	31	79.9	1972	0	517	.0	25.5	31.0	.0	.0	.0
Sep	90.3	71.3	80.8	98	1987	1	82.4	1987	60	1991	29	79.2	1971	0	473	.0	20.5	30.0	.0	.0	.0
Oct	86.3	67.4	76.9	96	1989	18	79.5	1985	42+	1989	22	73.8	1977	0	367	.0	6.7	31.0	.0	.0	.0
Nov	81.1	61.6	71.4	91+	1992	6	77.5	1986	38+	1956	29	67.9	1981	10	200	.0	.4	30.0	.0	.0	.0
Dec	76.0	55.9	66.0	89	1978	3	70.9	1986	25+	1989	26	57.0	1989	81	109	.0	.0	30.9	.0	.2	.0
Ann	84.1	63.5	73.8	100	Jul 1981	17	84.5	Jun 1998	25+	Dec 1989	26	54.6	Jan 1981	324	3539	@	113.0	365.0	.0	.6	.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: 1953-2001

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

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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	2.60	2.45	4.86	1991	16	9.06	1993	.05	1984	6.2	4.0	1.6	.6	.22	.39	.73	1.09	1.49	1.94	2.48	3.17	4.11	5.68	7.23
Feb	2.27	1.76	3.78	1975	22	9.79	1983	.01	1989	5.3	3.6	1.6	.6	.12	.24	.51	.81	1.17	1.58	2.09	2.74	3.66	5.23	6.80
Mar	3.44	3.38	6.38	1970	26	8.02	1982	.22	1974	6.4	4.8	2.2	1.3	.44	.72	1.20	1.68	2.19	2.75	3.40	4.20	5.28	7.06	8.79
Apr	2.42	1.91	2.75	1953	14	9.04	1991	.00	1986	5.3	3.6	1.7	.8	.05	.20	.50	.84	1.23	1.68	2.23	2.93	3.92	5.60	7.28
May	4.61	3.49	9.68	1993	30	11.71	1993	1.26	2000	8.1	6.1	3.1	1.7	1.25	1.69	2.35	2.94	3.51	4.11	4.77	5.55	6.58	8.18	9.68
Jun	7.64	7.08	5.25	1978	23	15.47	1978	2.34	1979	13.2	10.3	4.8	2.5	2.94	3.65	4.66	5.51	6.30	7.12	8.00	9.02	10.31	12.31	14.12
Jul	6.22	6.12	4.30	1995	18	13.91	1995	2.02	1983	13.5	9.7	4.2	1.8	2.16	2.75	3.60	4.33	5.02	5.73	6.50	7.40	8.56	10.35	11.99
Aug	6.69	6.08	4.55	1995	24	13.50	1981	1.75	1987	14.8	11.3	4.5	1.9	2.55	3.18	4.07	4.81	5.51	6.23	7.00	7.90	9.05	10.81	12.42
Sep	7.28	6.79	8.10	1992	29	16.08	1980	1.77	1972	13.2	9.8	4.6	2.4	2.23	2.93	3.96	4.84	5.70	6.59	7.58	8.73	10.21	12.54	14.69
Oct	3.91	3.45	3.55	1999	21	14.28	1995	.20	1988	8.3	6.0	2.3	1.2	.33	.59	1.11	1.65	2.25	2.93	3.74	4.76	6.18	8.54	10.87
Nov	2.95	1.82	8.38	1998	5	9.60	1998	.45	2000	6.0	4.2	1.5	.8	.39	.63	1.05	1.46	1.89	2.37	2.92	3.61	4.53	6.05	7.51
Dec	2.07	1.51	4.00	1963	31	6.80	1997	.21	1975	5.9	3.9	1.3	.6	.18	.33	.60	.89	1.20	1.56	1.99	2.52	3.26	4.49	5.70
Ann	52.10	51.21	9.68	May 1993	30	16.08	Sep 1980	.00	Apr 1986	106.2	77.3	33.4	16.2	37.06	39.98	43.71	46.54	49.06	51.49	54.00	56.78	60.15	65.03	69.26

+ 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: 1953-2001

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

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Climate Division: FL 5

NWS Call Sign:

Elevation: 30 Feet

Lat: 26°52N

Lon: 80°38W

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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No. 20 1971-2000

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Climate Division: FL 5

NWS Call Sign:

Elevation: 30 Feet

Lat: 26° 52N

Lon: 80° 38W

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	2/26	2/15	2/06	1/29	1/21	1/12	12/30	0/00	0/00
32	2/01	1/08	0/00	0/00	0/00	0/00	0/00	0/00	0/00
28	0/00	0/00	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	12/21	12/31	1/08	1/15	1/22	1/30	2/12	0/00	0/00
32	1/03	1/21	0/00	0/00	0/00	0/00	0/00	0/00	0/00
28	0/00	0/00	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	>365	356	344	335	325
32	>365	>365	>365	>365	>365	>365	>365	>365	>365
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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COOP ID: 081276

Climate Division: FL 5 NWS Call Sign: Elevation: 30 Feet Lat: 26°52N Lon: 80°38W

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	123	85	24	1	0	0	0	0	0	0	10	81	324
60	64	30	4	0	0	0	0	0	0	0	1	27	126
57	35	14	1	0	0	0	0	0	0	0	0	13	63
55	23	8	0	0	0	0	0	0	0	0	0	7	38
50	8	1	0	0	0	0	0	0	0	0	0	1	10
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	986	924	1146	1211	1391	1454	1537	1540	1463	1390	1180	1051	15273
55	297	288	433	521	678	764	824	827	773	677	490	345	6917
57	247	238	371	461	616	704	762	765	713	615	430	289	6211
60	183	170	281	371	523	614	669	672	623	522	341	211	5180
65	73	85	147	222	368	464	514	517	473	367	200	109	3539
70	40	29	55	91	213	314	359	362	323	215	88	41	2130

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	747	731	903	979	1149	1217	1296	1300	1222	1147	953	813	747	1478	2381	3360	4509	5726	7022	8322	9544	10691	11644	12457
45	595	586	749	829	994	1067	1141	1145	1072	992	803	660	595	1181	1930	2759	3753	4820	5961	7106	8178	9170	9973	10633
50	443	442	594	679	839	917	986	990	922	837	653	507	443	885	1479	2158	2997	3914	4900	5890	6812	7649	8302	8809
55	298	308	439	529	684	767	831	835	772	682	503	361	298	606	1045	1574	2258	3025	3856	4691	5463	6145	6648	7009
60	175	185	296	380	529	617	676	680	622	528	354	226	175	360	656	1036	1565	2182	2858	3538	4160	4688	5042	5268
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	470	467	597	665	802	845	899	899	860	812	647	522	470	937	1534	2199	3001	3846	4745	5644	6504	7316	7963	8485

(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.

- | | |
|---|---|
| <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