

Climatography of the United States

No. 20

1971-2000

Station: HIGH SPRINGS, FL

COOP ID: 083956

Climate Division: FL 2

NWS Call Sign:

Elevation: 65 Feet

Lat: 29° 50N

Lon: 82° 36W

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	67.9	41.2	54.6	87	1989	8	67.1	1974	9	1985	21	46.8	1977	362	25	.0	.0	30.1	.0	8.0	.0
Feb	71.1	43.7	57.4	89+	1962	27	63.0	1982	17	1996	5	50.4	1978	232	19	.0	.0	27.7	.1	4.9	.0
Mar	77.1	48.9	63.0	92+	1982	13	69.2	1997	20+	1980	4	57.6	1996	133	70	.0	.5	30.9	.0	1.4	.0
Apr	82.0	53.6	67.8	96+	1982	26	72.5	1999	31+	1987	2	62.9	1987	41	125	.0	3.2	30.0	.0	.1	.0
May	87.3	61.7	74.5	104	1953	25	78.3	1998	41	1989	13	71.7	1982	2	296	.1	13.9	31.0	.0	.0	.0
Jun	89.7	68.9	79.3	104+	1985	4	83.6	1998	45+	1984	2	76.9+	1974	0	428	1.0	21.3	30.0	.0	.0	.0
Jul	90.7	71.0	80.9	107	1986	31	83.5+	1998	55	1982	4	78.0	1974	0	491	1.0	24.8	31.0	.0	.0	.0
Aug	90.5	71.0	80.8	104	1986	1	82.8	1999	59+	1984	29	78.8	1973	0	488	.4	24.1	31.0	.0	.0	.0
Sep	88.3	67.9	78.1	99+	1986	28	80.5	1977	46	1967	30	76.0	1994	0	393	.0	17.4	30.0	.0	.0	.0
Oct	82.1	57.8	70.0	99	1982	3	75.3	1985	29	1989	21	64.1	1987	34	188	.0	3.4	31.0	.0	.1	.0
Nov	75.6	49.5	62.6	90+	1986	8	69.6	1986	21	1956	28	56.7	1983	155	81	.0	.1	30.0	.0	1.9	.0
Dec	69.2	43.0	56.1	89+	1982	3	66.8	1971	8	1989	24	46.4	1989	311	35	.0	.0	30.4	.0	6.7	.0
Ann	81.0	56.5	68.8	107	Jul 1986	31	83.6	Jun 1998	8	Dec 1989	24	46.4	Dec 1989	1270	2639	2.5	108.7	363.1	.1	23.1	.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

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**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: HIGH SPRINGS, FL

COOP ID: 083956

Climate Division: FL 2

NWS Call Sign:

Elevation: 65 Feet

Lat: 29°50N

Lon: 82°36W

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	4.35	4.34	2.92	1999	24	11.36	1979	.93	1981	9.4	6.4	3.1	1.5	1.29	1.70	2.32	2.86	3.38	3.92	4.52	5.22	6.13	7.56	8.88
Feb	3.69	3.52	5.13	1981	19	12.81	1998	.36	1996	7.4	5.2	2.4	1.1	.66	.99	1.53	2.03	2.55	3.10	3.74	4.50	5.52	7.17	8.74
Mar	4.33	3.62	3.43	1970	28	10.38	1996	.80	1979	8.5	5.7	2.8	1.6	1.06	1.46	2.10	2.66	3.21	3.80	4.46	5.24	6.26	7.88	9.40
Apr	3.28	2.65	4.88	1997	27	10.08	1997	.20	1981	5.9	4.0	2.1	1.1	.38	.63	1.09	1.54	2.03	2.58	3.21	4.01	5.08	6.86	8.58
May	3.63	2.47	6.90	1979	8	10.31	1979	.24	1983	7.8	5.2	1.9	1.0	.52	.83	1.35	1.85	2.38	2.95	3.62	4.43	5.53	7.31	9.03
Jun	6.88	6.43	5.30	1957	8	15.96	1982	2.53	1988	12.5	8.7	4.3	2.3	2.62	3.27	4.18	4.94	5.67	6.40	7.20	8.13	9.31	11.12	12.77
Jul	7.53	7.14	5.50	1996	6	15.28	1975	2.56	1993	14.6	11.0	5.0	2.6	3.20	3.88	4.84	5.62	6.35	7.09	7.89	8.81	9.97	11.74	13.34
Aug	7.92	7.30	6.75	1971	17	18.68	1971	2.99	1989	15.3	11.3	5.0	2.7	3.25	3.97	4.99	5.84	6.63	7.43	8.30	9.30	10.56	12.49	14.25
Sep	4.56	3.89	6.35	1950	5	11.00	1998	.31	1971	10.6	7.4	2.7	1.3	.59	.96	1.61	2.24	2.91	3.65	4.51	5.57	7.00	9.35	11.62
Oct	2.96	2.36	10.00	1992	4	13.05	1992	.10	1979	6.1	3.8	1.5	.9	.12	.25	.58	.96	1.41	1.96	2.64	3.53	4.80	6.98	9.19
Nov	2.28	2.44	3.82	1963	5	6.48	1987	.00	1978	6.7	3.9	1.7	.5	.20	.45	.83	1.16	1.50	1.88	2.30	2.82	3.51	4.64	5.72
Dec	2.74	2.04	6.46	1964	27	6.38	1977	.10	1998	7.8	4.6	2.0	.9	.44	.67	1.07	1.45	1.84	2.26	2.75	3.34	4.13	5.42	6.65
Ann	54.15	53.08	10.00	Oct 1992	4	18.68	Aug 1971	.00	Nov 1978	112.6	77.2	34.5	17.5	42.56	44.89	47.83	50.02	51.95	53.80	55.69	57.76	60.25	63.81	66.86

+ 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

Complete documentation available from:

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Station: HIGH SPRINGS, FL

COOP ID: 083956

Climate Division: FL 2

NWS Call Sign:

Elevation: 65 Feet

Lat: 29° 50N

Lon: 82° 36W

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	.1	.0	#	0	1.5	1977	18	1.5	1977	2	1977	18	#	1977	@	@	.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	.1	.0	N/A	N/A	1.5	Jan 1977	18	1.5	Jan 1977	2	Jan 1977	18	#	Jan 1977	@	@	.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

Station: HIGH SPRINGS, FL

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Climate Division: FL 2

NWS Call Sign:

Elevation: 65 Feet

Lat: 29° 50N

Lon: 82° 36W

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	4/11	4/05	3/31	3/28	3/24	3/20	3/16	3/12	3/05
32	3/27	3/19	3/13	3/09	3/04	2/28	2/23	2/17	2/10
28	3/12	3/04	2/27	2/22	2/18	2/14	2/09	2/04	1/27
24	2/23	2/15	2/09	2/04	1/30	1/24	1/15	0/00	0/00
20	2/09	1/28	1/17	1/03	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	10/21	10/29	11/05	11/10	11/15	11/20	11/25	12/01	12/09
32	10/31	11/09	11/15	11/20	11/26	12/01	12/06	12/12	12/21
28	11/15	11/25	12/03	12/10	12/16	12/22	12/28	1/05	1/16
24	12/03	12/13	12/21	12/28	1/04	1/12	1/22	0/00	0/00
20	12/24	1/09	1/23	2/10	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	267	256	248	241	235	229	222	214	203
32	298	287	279	272	266	259	252	244	233
28	340	325	315	306	299	291	283	274	261
24	>365	>365	>365	>365	335	324	316	308	298
20	>365	>365	>365	>365	>365	>365	>365	>365	326
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 2 NWS Call Sign: Elevation: 65 Feet Lat: 29° 50N Lon: 82° 36W

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	362	232	133	41	2	0	0	0	0	34	155	311	1270
60	255	133	58	9	0	0	0	0	0	9	80	203	747
57	202	88	30	3	0	0	0	0	0	4	48	152	527
55	169	63	18	1	0	0	0	0	0	2	33	121	407
50	97	22	4	0	0	0	0	0	0	0	11	59	193
32	3	0	0	0	0	0	0	0	0	0	0	0	3

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	701	711	961	1073	1317	1418	1514	1511	1383	1177	917	747	13430
55	154	130	266	384	604	728	801	798	693	465	260	155	5438
57	125	99	215	326	542	668	739	736	633	406	215	124	4828
60	86	60	151	242	449	578	646	643	543	318	157	82	3955
65	25	19	70	125	296	428	491	488	393	188	81	35	2639
70	19	5	22	46	155	278	336	333	245	89	32	14	1574

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	467	528	732	848	1098	1209	1299	1292	1166	957	703	529	467	995	1727	2575	3673	4882	6181	7473	8639	9596	10299	10828
45	326	391	579	698	943	1059	1144	1137	1016	802	554	382	326	717	1296	1994	2937	3996	5140	6277	7293	8095	8649	9031
50	208	263	432	548	788	909	989	982	866	647	408	254	208	471	903	1451	2239	3148	4137	5119	5985	6632	7040	7294
55	110	154	288	400	633	759	834	827	716	492	276	148	110	264	552	952	1585	2344	3178	4005	4721	5213	5489	5637
60	45	74	167	262	479	609	679	672	566	340	164	73	45	119	286	548	1027	1636	2315	2987	3553	3893	4057	4130
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	316	354	495	570	736	820	888	885	803	648	476	352	316	670	1165	1735	2471	3291	4179	5064	5867	6515	6991	7343

(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