

Climatography of the United States

No. 20

1971-2000

Station: CHIPLEY 3 E, FL

COOP ID: 081544

Climate Division: FL 1

NWS Call Sign:

Elevation: 130 Feet

Lat: 30°47N

Lon: 85°29W

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	60.7	37.6	49.2	84+	1957	30	64.4	1974	2+	1985	22	39.6	1977	509	3	.0	.0	25.6	.1	11.8	.0
Feb	64.7	40.4	52.6	86	1957	8	59.9	1990	13+	1996	6	42.6	1978	357	8	.0	.0	25.5	.1	7.3	.0
Mar	71.8	46.8	59.3	88+	1974	12	65.7	1997	20+	1980	4	53.8	1971	206	30	.0	.0	30.4	.0	1.9	.0
Apr	78.3	52.2	65.3	97	1965	13	70.5	1991	31	1987	1	61.7	1983	72	80	.0	.5	30.0	.0	.1	.0
May	85.2	60.5	72.9	100	1985	14	76.6	2000	39	1971	4	69.0	1976	7	249	@	6.0	31.0	.0	.0	.0
Jun	89.8	67.6	78.7	104	1985	7	83.0	1998	47+	1984	1	75.7	1976	0	412	.4	17.2	30.0	.0	.0	.0
Jul	91.4	70.7	81.1	104	1980	15	83.5	1993	55+	1967	19	78.6	1975	0	498	.7	22.6	31.0	.0	.0	.0
Aug	90.8	70.2	80.5	102+	1993	2	83.1	1990	55+	1999	20	78.6	1976	0	482	.2	21.7	31.0	.0	.0	.0
Sep	87.5	65.9	76.7	101	1954	9	79.6	1972	36	1967	30	73.8	1981	1	351	.0	12.6	30.0	.0	.0	.0
Oct	79.6	53.8	66.7	96+	1954	6	72.5	1985	27	1952	30	60.6	1987	73	126	.0	1.1	31.0	.0	.1	.0
Nov	70.9	45.8	58.4	88+	1986	9	65.5	1985	17	1970	25	49.8	1976	234	34	.0	.0	29.7	.0	3.3	.0
Dec	63.0	39.7	51.4	85	1978	8	60.6	1971	8	1962	13	44.3	1989	435	12	.0	.0	27.4	.1	10.0	.0
Ann	77.8	54.3	66.1	104+	Jun 1985	7	83.5	Jul 1993	2+	Jan 1985	22	39.6	Jan 1977	1894	2285	1.3	81.7	352.6	.3	34.5	.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/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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No. 20 1971-2000

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

Station: CHIPLEY 3 E, FL

COOP ID: 081544

Climate Division: FL 1

NWS Call Sign:

Elevation: 130 Feet

Lat: 30°47N

Lon: 85°29W

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	6.09	5.89	5.40	1997	9	15.44	1991	1.41	1989	11.3	7.7	4.0	1.9	2.23	2.81	3.63	4.32	4.97	5.64	6.37	7.22	8.30	9.96	11.49
Feb	4.81	4.56	5.80	1970	16	10.41	1998	.87	1976	8.8	6.1	3.2	1.4	1.46	1.91	2.60	3.18	3.75	4.35	5.00	5.76	6.76	8.30	9.74
Mar	6.11	6.05	5.20	1991	2	12.81	1991	1.82	1986	9.8	7.1	4.2	2.1	2.34	2.91	3.72	4.39	5.04	5.69	6.40	7.22	8.26	9.87	11.33
Apr	3.84	3.32	7.35	1960	2	9.83	1975	.00	1981	6.7	4.6	2.5	1.4	.25	.64	1.25	1.81	2.40	3.06	3.81	4.74	6.00	8.06	10.05
May	4.21	3.93	3.43	1995	10	9.98	1978	.53	1988	8.5	5.8	2.9	1.4	.91	1.30	1.92	2.48	3.04	3.63	4.31	5.12	6.18	7.88	9.48
Jun	5.24	4.51	6.83	1989	9	15.21	1989	.84	1993	11.3	7.8	3.7	1.6	1.02	1.49	2.26	2.96	3.68	4.45	5.32	6.38	7.77	10.01	12.14
Jul	6.92	5.36	4.70	1994	7	14.71	1984	1.92	1972	13.9	10.1	4.6	1.9	1.94	2.59	3.59	4.45	5.30	6.19	7.17	8.32	9.83	12.19	14.38
Aug	5.38	4.90	6.00	1950	31	10.84	1977	2.27	1974	12.8	8.4	3.6	1.7	2.20	2.70	3.39	3.96	4.50	5.04	5.63	6.31	7.17	8.48	9.67
Sep	4.76	3.59	6.75	1998	29	18.72	1998	.31	1984	9.8	6.7	3.1	1.5	.60	.98	1.66	2.32	3.02	3.80	4.70	5.81	7.32	9.80	12.20
Oct	2.90	2.26	3.96	1998	7	7.67	1975	.20	1987	5.1	3.5	2.0	1.0	.42	.66	1.08	1.48	1.90	2.36	2.89	3.54	4.42	5.85	7.22
Nov	4.12	3.57	4.90	1997	2	12.90	1997	.50	1990	8.2	5.7	2.7	1.3	.85	1.22	1.83	2.38	2.94	3.53	4.21	5.02	6.08	7.79	9.41
Dec	3.86	3.78	4.60	1953	6	8.39	1983	.39	1980	9.4	5.9	2.7	1.1	1.07	1.43	1.99	2.48	2.95	3.45	4.00	4.65	5.49	6.82	8.06
Ann	58.24	56.03	7.35	Apr 1960	2	18.72	Sep 1998	.00	Apr 1981	115.6	79.4	39.2	18.3	42.64	45.69	49.59	52.53	55.14	57.65	60.24	63.09	66.54	71.53	75.83

+ 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															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	1.0	1977	31	1.5	1977	1	1977	31	#	1977	.1	@	.0	.0	.0	.1	.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	1.0	Jan 1977	31	1.5	Jan 1977	1	Jan 1977	31	#	Jan 1977	.1	@	.0	.0	.0	.1	.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	4/15	4/07	4/02	3/28	3/24	3/20	3/15	3/10	3/03
32	3/23	3/17	3/12	3/08	3/05	3/01	2/25	2/20	2/14
28	3/09	3/02	2/25	2/21	2/17	2/13	2/09	2/04	1/29
24	2/27	2/18	2/11	2/05	1/31	1/25	1/19	1/11	12/31
20	2/08	1/28	1/19	1/10	12/29	0/00	0/00	0/00	0/00
16	1/20	1/05	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	10/25	10/29	11/02	11/05	11/08	11/11	11/15	11/20
32	10/28	11/04	11/09	11/13	11/17	11/21	11/25	11/30	12/07
28	11/15	11/22	11/28	12/02	12/06	12/11	12/15	12/20	12/28
24	12/03	12/14	12/22	12/29	1/04	1/11	1/18	1/26	2/08
20	12/21	1/01	1/10	1/20	2/02	0/00	0/00	0/00	0/00
16	1/02	1/19	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	252	243	236	230	225	219	213	206	197
32	285	275	268	262	257	251	245	238	229
28	320	310	303	297	291	286	280	273	263
24	>365	>365	355	343	334	325	317	308	295
20	>365	>365	>365	>365	>365	>365	>365	350	328
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	509	357	206	72	7	0	0	0	1	73	234	435	1894
60	385	234	108	21	0	0	0	0	0	27	137	301	1213
57	317	174	65	8	0	0	0	0	0	12	91	232	899
55	277	140	43	3	0	0	0	0	0	7	66	193	729
50	190	71	12	0	0	0	0	0	0	1	24	112	410
32	20	1	0	0	0	0	0	0	0	0	0	3	24

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	551	576	847	998	1266	1402	1521	1505	1341	1076	790	603	12476
55	95	71	177	311	553	712	808	792	651	370	166	80	4786
57	73	49	136	255	491	652	746	730	591	313	131	57	4224
60	49	26	87	178	398	562	653	637	501	234	87	33	3445
65	3	8	30	80	249	412	498	482	351	126	34	12	2285
70	2	0	7	23	125	263	343	327	207	51	11	1	1360

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	322	389	614	770	1032	1176	1281	1262	1106	832	555	378	322	711	1325	2095	3127	4303	5584	6846	7952	8784	9339	9717
45	213	267	463	620	877	1026	1126	1107	956	677	413	254	213	480	943	1563	2440	3466	4592	5699	6655	7332	7745	7999
50	122	169	322	470	722	876	971	952	806	523	280	155	122	291	613	1083	1805	2681	3652	4604	5410	5933	6213	6368
55	62	88	195	327	567	726	816	797	656	373	175	88	62	150	345	672	1239	1965	2781	3578	4234	4607	4782	4870
60	28	43	101	196	413	576	661	642	506	237	91	42	28	71	172	368	781	1357	2018	2660	3166	3403	3494	3536
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	205	250	387	500	699	808	885	872	761	557	363	242	205	455	842	1342	2041	2849	3734	4606	5367	5924	6287	6529

(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