

**Climatography  
of the United States  
No. 20**

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

**Station: BRIDGEPORT SIKORSKY AP, CT**

**1971-2000**

**COOP ID: 060806**

**Climate Division: CT 3**

**NWS Call Sign: BDR**

**Elevation: 5 Feet**

**Lat: 41°10N**

**Lon: 73°08W**

**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	36.9	22.9	29.9	65	1974	27	36.7+	1998	-7	1984	22	22.7	1981	1089	0	.0	.0	2.9	9.7	26.0	.5
Feb	38.8	24.9	31.9	67+	1976	28	37.9	1998	-5	1963	8	24.1	1978	943	0	.0	.0	3.2	7.0	22.2	.1
Mar	46.9	32.0	39.5	84	1990	13	43.2	2000	4	1967	19	34.8	1984	803	0	.0	.0	11.4	1.2	16.1	.0
Apr	57.0	40.7	48.9	91	1990	28	51.9	1974	18	1982	7	44.6	1975	489	1	.0	@	24.6	@	2.9	.0
May	67.4	50.6	59.0	97	1996	20	64.5	1991	31	1966	10	54.9	1973	207	21	.0	.2	30.9	.0	.0	.0
Jun	76.4	59.6	68.0	96+	1949	26	71.8	1994	41	1967	1	64.2	1982	32	125	.0	1.0	30.0	.0	.0	.0
Jul	81.9	66.0	74.0	103	1957	22	78.5	1994	49	1988	1	70.4	2000	2	286	@	3.4	31.0	.0	.0	.0
Aug	80.7	65.4	73.1	100+	1948	27	76.1	1988	44	1982	29	69.8	1982	4	258	.0	1.8	31.0	.0	.0	.0
Sep	73.6	57.7	65.7	99	1953	2	68.0	1971	36+	1956	21	63.3	1981	68	91	.0	.3	30.0	.0	.0	.0
Oct	63.1	46.3	54.7	86	1997	6	59.6	1990	26+	1969	24	50.1	1972	320	7	.0	.0	30.3	.0	.7	.0
Nov	52.6	37.5	45.1	78+	1975	4	49.6	1975	16+	1951	28	40.6	1972	591	0	.0	.0	19.4	.2	7.8	.0
Dec	42.1	28.0	35.1	76	1998	7	40.5	1984	-4+	1980	25	23.6	1989	918	0	.0	.0	6.2	4.5	20.8	.1
Ann	59.8	44.3	52.1	103	Jul 1957	22	78.5	Jul 1994	-7	Jan 1984	22	22.7	Jan 1981	5466	789	@	6.7	250.9	22.6	96.5	.7

+ 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](http://www.ncdc.noaa.gov/oa/climate/normal/usnormals.html)

Issue Date: February 2004

001-A

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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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	3.73	3.04	4.30	1979	21	11.20	1979	.54	1981	11.0	6.9	2.4	.7	.92	1.27	1.81	2.30	2.78	3.28	3.84	4.51	5.39	6.77	8.07
Feb	2.92	2.64	2.30	1972	3	6.65	1972	.43	1987	9.8	6.1	1.8	.7	.97	1.25	1.65	2.00	2.33	2.67	3.04	3.48	4.04	4.91	5.72
Mar	4.15	3.99	4.20	1977	22	9.21	1983	.69	1981	11.1	7.5	2.9	1.0	1.47	1.86	2.43	2.90	3.36	3.83	4.34	4.93	5.69	6.87	7.95
Apr	3.99	3.45	5.28	1996	16	10.72	1983	.69	1985	10.3	6.6	2.3	1.2	1.10	1.47	2.05	2.55	3.04	3.56	4.13	4.81	5.69	7.07	8.35
May	4.03	3.35	3.21	1968	29	9.53	1989	.41	1986	11.4	7.6	2.8	1.0	1.11	1.49	2.07	2.58	3.08	3.60	4.17	4.86	5.75	7.14	8.45
Jun	3.57	2.69	6.18	1972	19	17.70	1972	.39	1971	10.7	6.4	2.0	.7	.51	.80	1.31	1.81	2.33	2.90	3.56	4.36	5.45	7.23	8.94
Jul	3.77	3.07	5.95	1971	19	12.84	1971	.47	1979	8.5	5.8	2.3	1.2	.58	.90	1.45	1.97	2.51	3.10	3.77	4.60	5.71	7.51	9.23
Aug	3.75	3.52	4.66	1991	19	8.38	1992	.72	1981	9.2	5.9	2.3	1.0	.82	1.17	1.72	2.22	2.71	3.25	3.84	4.56	5.50	7.00	8.42
Sep	3.58	3.34	4.46	1960	12	7.26	1977	.60	1997	8.6	5.9	2.5	.8	.95	1.29	1.81	2.26	2.71	3.18	3.70	4.31	5.12	6.38	7.56
Oct	3.54	3.24	4.76	1955	15	7.78	1996	.42	2000	8.2	5.6	2.4	.9	1.00	1.33	1.84	2.28	2.72	3.17	3.67	4.26	5.02	6.23	7.35
Nov	3.65	3.20	3.12	1954	2	10.22	1972	.36	1976	9.8	6.0	2.7	.9	.89	1.24	1.77	2.24	2.71	3.21	3.76	4.42	5.28	6.64	7.92
Dec	3.47	3.43	3.69	1968	4	7.87	1972	.83	1989	11.4	6.8	2.4	.8	.94	1.27	1.77	2.21	2.64	3.09	3.59	4.18	4.95	6.16	7.29
Ann	44.15	42.20	6.18	Jun 1972	19	17.70	Jun 1972	.36	Nov 1976	120.0	77.1	28.8	10.9	30.99	33.52	36.78	39.25	41.45	43.58	45.79	48.23	51.19	55.49	59.21

+ 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

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Lat: 41°10N

Lon: 73°08W

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	8.5	6.1	2	1	15.7	1978	20	28.1	1978	20+	1996	11	7	1996	5.3	2.4	.8	.5	@	10.9	6.8	4.0	1.0
Feb	7.2	5.8	1	1	12.6	1994	11	27.9	1994	20	1994	12	6+	1994	4.4	2.0	.7	.4	.1	8.1	4.6	2.5	.7
Mar	4.3	3.1	#	1	10.6	1993	13	13.7	1993	9+	1993	15	1+	1996	2.5	1.4	.6	.2	@	3.4	1.6	.4	.0
Apr	.9	.0	#	0	6.0	1982	6	11.8	1996	6+	1982	8	1	1982	.4	.3	.2	@	.0	.2	.2	.1	.0
May	#	.0	#	0	#	1977	9	#	1977	0	0	0	#	1995	.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	#	1990	13	#	1990	.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	.5	1987	4	.5	1987	#+	1987	4	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.7	.0	#	0	6.2	1989	23	6.6	1989	5+	1989	24	#	1995	.7	.2	@	@	.0	.4	.1	.1	.0
Dec	3.2	2.4	#	0	7.1	1990	28	13.8	1995	10	1995	21	2	1995	2.9	1.0	.3	.1	.0	3.4	1.2	.7	@
Ann	24.8	17.4	N/A	N/A	15.7	Jan 1978	20	28.1	Jan 1978	20+	Jan 1996	11	7	Jan 1996	16.2	7.3	2.6	1.2	.1	26.4	14.5	7.8	1.7

+ 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	5/01	4/27	4/25	4/23	4/20	4/18	4/16	4/14	4/10
32	4/22	4/18	4/15	4/13	4/11	4/08	4/06	4/03	3/30
28	4/07	4/03	4/01	3/29	3/27	3/25	3/22	3/20	3/16
24	4/02	3/28	3/25	3/23	3/20	3/18	3/15	3/12	3/08
20	3/24	3/19	3/15	3/11	3/08	3/05	3/02	2/26	2/20
16	3/17	3/11	3/07	3/03	2/28	2/24	2/20	2/16	2/10
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	10/03	10/08	10/12	10/15	10/18	10/21	10/24	10/27	11/01
32	10/20	10/25	10/29	11/01	11/04	11/07	11/10	11/14	11/19
28	11/04	11/09	11/13	11/16	11/19	11/22	11/26	11/29	12/05
24	11/14	11/20	11/23	11/27	11/30	12/02	12/06	12/09	12/15
20	11/22	11/29	12/03	12/07	12/11	12/15	12/18	12/23	12/29
16	12/06	12/11	12/15	12/18	12/21	12/25	12/28	1/01	1/06
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	198	192	187	183	179	176	172	167	161
32	225	219	214	210	207	203	199	195	189
28	257	250	245	241	237	232	228	223	216
24	273	266	261	257	254	250	246	241	235
20	303	294	288	282	277	272	266	260	251
16	318	310	305	300	296	292	287	282	275

\* 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)**

<b>Base</b>	<b>Heating Degree Days (1)</b>												
<b>Below</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Ann</b>
<b>65</b>	1089	943	803	489	207	32	2	4	68	320	591	918	5466
<b>60</b>	934	789	638	336	94	4	0	0	9	194	449	773	4220
<b>57</b>	841	705	545	250	50	1	0	0	2	130	361	680	3565
<b>55</b>	779	649	483	195	30	0	0	0	1	96	304	618	3155
<b>50</b>	624	509	329	84	5	0	0	0	0	37	176	471	2235
<b>32</b>	167	105	15	0	0	0	0	0	0	0	2	85	374

<b>Base</b>	<b>Cooling Degree Days (1)</b>												
<b>Above</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Ann</b>
<b>32</b>	83	92	246	502	838	1083	1303	1274	1012	709	401	164	7707
<b>55</b>	0	0	2	19	152	393	590	561	325	88	12	0	2142
<b>57</b>	0	0	1	11	111	334	528	499	270	60	7	0	1821
<b>60</b>	0	0	0	5	65	249	435	407	192	31	2	0	1386
<b>65</b>	0	0	0	1	21	125	286	258	91	7	0	0	789
<b>70</b>	0	0	0	0	5	43	142	125	31	1	0	0	347

**Growing Degree Units (2)**

<b>Base</b>	<b>Growing Degree Units (Monthly)</b>												<b>Growing Degree Units (Accumulated Monthly)</b>											
	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
<b>40</b>	14	21	84	275	600	853	1066	1034	780	471	194	46	14	35	119	394	994	1847	2913	3947	4727	5198	5392	5438
<b>45</b>	1	2	33	148	445	703	911	879	630	323	104	17	1	3	36	184	629	1332	2243	3122	3752	4075	4179	4196
<b>50</b>	0	0	6	62	294	553	756	724	480	190	45	1	0	0	6	68	362	915	1671	2395	2875	3065	3110	3111
<b>55</b>	0	0	3	22	160	403	601	569	335	93	12	0	0	0	3	25	185	588	1189	1758	2093	2186	2198	2198
<b>60</b>	0	0	0	3	67	258	446	414	197	34	1	0	0	0	0	3	70	328	774	1188	1385	1419	1420	1420
<b>Base</b>	<b>Growing Degree Units for Corn (Monthly)</b>												<b>Growing Degree Units for Corn (Accumulated Monthly)</b>											
<b>50/86</b>	0	7	39	126	317	547	738	719	489	248	83	14	0	7	46	172	489	1036	1774	2493	2982	3230	3313	3327

(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)