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: BRIDGTON 3 NW, ME **COOP ID: 170844**

Climate Division: ME 2 **NWS Call Sign:** **Elevation: 560 Feet** **Lat: 44˚05N** **Lon: 70˚44W**

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	28.6	4.3	16.5	58	1973	20	23.4	1990	-26+	1994	21	6.1	1994	1505	0	.0	.0	.7	19.6	30.8	12.1
Feb	32.4	7.5	20.0	66	1957	26	28.4	1984	-28	1971	3	10.1	1993	1262	0	.0	.0	1.4	13.6	27.6	8.9
Mar	41.3	18.4	29.9	76+	1998	29	36.8	1977	-17	1982	2	24.0	1984	1091	0	.0	.0	5.5	5.1	28.8	2.4
Apr	52.7	29.8	41.3	89	1990	28	44.9	1976	5+	1964	5	36.8	1975	712	0	.0	.0	17.9	.3	20.1	.0
May	66.2	41.1	53.7	95	1962	19	58.4	1975	23	1980	5	49.7+	1997	354	2	.0	.3	29.4	.0	4.1	.0
Jun	74.1	50.2	62.2	95+	1980	27	66.0+	1994	28	1980	10	58.6	1982	114	29	.0	.8	30.0	.0	.2	.0
Jul	78.8	55.5	67.2	96+	1977	21	70.5	1975	36	1992	2	62.0	2000	36	103	.0	1.2	31.0	.0	.0	.0
Aug	76.7	53.5	65.1	100	1975	3	70.2	1973	29	1989	27	62.0	1981	65	69	@	.4	31.0	.0	@	.0
Sep	68.6	44.4	56.5	94	1960	8	63.5	1999	19	1980	29	53.6	1981	261	6	.0	@	29.8	.0	2.1	.0
Oct	57.6	33.4	45.5	87	1963	7	51.0	1971	15	1972	19	40.4	1993	605	0	.0	.0	25.3	.0	14.5	.0
Nov	45.0	25.8	35.4	75	1974	2	40.8	1975	-2	1989	24	31.7	1986	889	0	.0	.0	9.0	2.4	23.9	.1
Dec	33.5	12.7	23.1	68	1998	8	29.7	1973	-25	1980	26	7.0	1989	1300	0	.0	.0	1.4	13.9	30.3	5.3
Ann	54.6	31.4	43.0	100	Aug 1975	3	70.5	Jul 1975	-28	Feb 1971	3	6.1	Jan 1994	8194	209	@	2.7	212.4	54.9	182.4	28.8

\+ 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: 1955-2001

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

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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	4.25	4.38	2.91	1986	27	11.09	1979	.24	1981
Feb	3.36	3.15	2.56	1972	4	8.18	1981	.42	1987
Mar	4.18	3.79	3.80	1977	14	9.86	1983	1.02	1988
Apr	3.99	3.69	3.55	1975	4	7.63	1973	.40	1999
May	3.77	3.47	3.46	1989	12	9.48	1989	.42	1992
Jun	4.05	3.77	3.49	1998	14	10.89	1998	.98	1979
Jul	4.03	4.00	3.56	1996	14	8.09	1988	.94	1978
Aug	3.97	3.46	4.00	1983	31	11.28	1991	.95	1996
Sep	3.66	3.37	5.87	1999	17	11.39	1999	.45	1978
Oct	4.61	3.95	6.43	1996	22	11.76	1996	.65	1994
Nov	4.25	3.97	3.59	1988	2	9.25	1983	1.46	1996
Dec	3.81	3.64	2.48	1993	22	11.90	1973	.59	1988
Ann	47.93	47.88	6.43	Oct 1996	22	11.90	Dec 1973	.24	Jan 1981

Mean Number of Days (3)

Month	Daily Precipitation >= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	8.5	6.9	3.1	1.4
Feb	7.0	5.5	2.4	.9
Mar	9.1	6.9	3.2	1.1
Apr	9.8	7.0	2.9	.9
May	10.8	7.4	2.7	.8
Jun	11.6	7.9	2.5	.7
Jul	10.0	7.1	3.0	1.2
Aug	10.3	6.9	2.4	1.0
Sep	9.3	6.0	2.3	1.0
Oct	9.3	6.7	2.8	1.3
Nov	9.7	7.2	3.0	1.1
Dec	9.4	7.1	2.9	1.0
Ann	114.8	82.6	33.2	12.4

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	.84	1.22	1.85	2.42	3.00	3.62	4.33	5.17	6.30	8.10	9.80
Feb	1.02	1.34	1.81	2.22	2.62	3.03	3.49	4.02	4.71	5.79	6.79
Mar	1.46	1.86	2.43	2.91	3.38	3.85	4.37	4.97	5.74	6.94	8.03
Apr	1.37	1.74	2.29	2.76	3.20	3.66	4.16	4.74	5.49	6.65	7.71
May	.73	1.07	1.62	2.13	2.65	3.20	3.83	4.59	5.59	7.20	8.73
Jun	1.42	1.80	2.36	2.82	3.27	3.73	4.23	4.81	5.56	6.72	7.78
Jul	1.28	1.67	2.23	2.72	3.18	3.67	4.20	4.82	5.62	6.87	8.03
Aug	1.27	1.65	2.21	2.68	3.14	3.62	4.14	4.75	5.53	6.75	7.88
Sep	.98	1.33	1.86	2.32	2.78	3.26	3.79	4.42	5.24	6.52	7.73
Oct	1.17	1.61	2.27	2.87	3.45	4.07	4.75	5.57	6.63	8.31	9.88
Nov	1.75	2.13	2.68	3.13	3.56	3.99	4.45	4.99	5.66	6.70	7.64
Dec	.92	1.27	1.83	2.33	2.82	3.34	3.92	4.62	5.53	6.97	8.33
Ann	36.43	38.71	41.61	43.78	45.70	47.54	49.44	51.52	54.02	57.63	60.73

\+ 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: 1955-2001
(3) Derived from 1971-2000 serially complete daily data

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Snow (inches)

Snow Totals

Means/Medians (1)

Extremes (2)

Mean Number of Days (1)

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	24.1	24.5	13	12	16.1	1990	30	50.7	1994	35+	1987	31	26	1977	6.0	4.9	2.7	1.5	.4	-9.9	-9.9	-9.9	-9.9
Feb	17.0	12.8	18	18	15.3	1993	17	40.6	1993	41	1972	27	29	1987	4.5	3.6	1.8	1.1	.2	-9.9	-9.9	-9.9	-9.9
Mar	12.9	12.9	13	11	13.2	1996	8	35.0	1971	37	1993	15	26	1993	3.9	3.5	2.0	1.1	.3	-9.9	-9.9	-9.9	-9.9
Apr	5.6	4.2	1	#	18.0	1975	4	18.0	1975	16	1997	1	8	1997	1.7	1.4	.8	.3	@	3.2	2.3	1.6	.2
May	#	.0	#	0	#	1997	8	#+	1997	#+	1997	3	#+	1997	.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	.1	.0	#	0	1.0	1979	10	1.7	1979	1+	1997	27	#+	1997	.1	@	.0	.0	.0	.1	.0	.0	.0
Nov	4.1	2.2	1	#	9.0	1972	15	16.1	1986	11	1971	30	3	1997	1.9	1.3	.4	.3	.0	3.1	1.8	.4	.1
Dec	15.4	12.8	6	4	18.0	1991	18	32.0	1995	29	1995	21	16	1995	4.3	3.4	1.7	.9	.1	20.3	16.5	12.8	4.1
Ann	79.2	69.4	N/A	N/A	18.0+	Dec 1991	18	50.7	Jan 1994	41	Feb 1972	27	29	Feb 1987	22.4	18.1	9.4	5.2	1.0	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

(1) Derived from Snow Climatology and 1971-2000 daily data

@ Denotes mean number of days greater than 0 but less than .05

(2) Derived from 1971-2000 daily data

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

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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	6/16	6/09	6/04	6/01	5/28	5/24	5/20	5/15	5/09
32	5/28	5/24	5/20	5/18	5/15	5/13	5/10	5/07	5/02
28	5/13	5/09	5/05	5/03	4/30	4/27	4/24	4/21	4/16
24	4/27	4/23	4/20	4/18	4/16	4/14	4/11	4/08	4/05
20	4/19	4/15	4/13	4/10	4/08	4/06	4/03	3/31	3/27
16	4/10	4/06	4/03	4/01	3/30	3/28	3/26	3/23	3/19

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	8/30	9/04	9/07	9/10	9/13	9/16	9/19	9/22	9/27
32	9/11	9/16	9/20	9/23	9/26	9/29	10/02	10/06	10/11
28	9/25	9/29	10/02	10/05	10/07	10/10	10/13	10/16	10/20
24	10/05	10/11	10/16	10/19	10/23	10/26	10/30	11/04	11/10
20	10/15	10/22	10/27	11/01	11/05	11/09	11/13	11/19	11/26
16	11/04	11/09	11/14	11/17	11/21	11/24	11/27	12/02	12/08

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	133	124	118	112	107	102	97	91	82
32	156	148	142	137	133	129	124	118	110
28	180	173	168	164	160	156	152	147	140
24	212	204	199	194	189	185	180	174	167
20	237	228	221	215	210	205	199	192	183
16	257	249	244	239	235	230	226	220	213

***** 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	1505	1262	1091	712	354	114	36	65	261	605	889	1300	8194
60	1350	1122	936	562	213	36	6	14	140	451	739	1145	6714
57	1257	1038	843	472	144	13	0	4	85	362	649	1052	5919
55	1195	982	781	412	104	6	0	1	58	304	589	990	5422
50	1040	842	626	268	38	0	0	0	17	177	439	835	4282
32	490	354	143	7	0	0	0	0	0	1	48	331	1374

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	9	16	75	285	672	904	1089	1026	735	419	149	54	5433
55	0	0	0	1	63	220	376	315	103	9	0	0	1087
57	0	0	0	0	40	168	314	255	70	4	0	0	851
60	0	0	0	0	17	101	227	173	35	1	0	0	554
65	0	0	0	0	2	29	103	69	6	0	0	0	209
70	0	0	0	0	0	3	29	15	0	0	0	0	47

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	0	1	15	115	428	670	848	791	502	207	50	1	0	1	16	131	559	1229	2077	2868	3370	3577	3627	3628
45	0	0	4	50	284	521	693	636	356	105	19	0	0	0	4	54	338	859	1552	2188	2544	2649	2668	2668
50	0	0	1	20	159	372	538	482	223	43	4	0	0	0	1	21	180	552	1090	1572	1795	1838	1842	1842
55	0	0	0	7	75	236	384	328	113	10	0	0	0	0	0	7	82	318	702	1030	1143	1153	1153	1153
60	0	0	0	0	28	120	234	187	45	0	0	0	0	0	0	0	28	148	382	569	614	614	614	614
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	0	0	16	88	268	409	539	495	306	137	29	0	0	0	16	104	372	781	1320	1815	2121	2258	2287	2287

(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:
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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