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: BANGOR INTL AP, ME **COOP ID: 170355**

Climate Division: ME 2 **NWS Call Sign: BGR** **Elevation: 148 Feet** **Lat: 44˚48N** **Lon: 68˚49W**

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	27.6	8.3	18.0	57	1974	27	26.4	1990	-28	1971	19	8.4	1994	1458	0	.0	.0	.7	22.3	30.0	7.7
Feb	30.9	11.4	21.2	59	1984	25	31.6	1981	-30	1962	2	11.3	1993	1228	0	.0	.0	.7	18.1	27.1	5.1
Mar	40.2	22.1	31.2	71	1977	30	37.1	1977	-16	2001	2	25.8	1984	1049	0	.0	.0	4.7	6.5	26.2	1.1
Apr	52.6	33.2	42.9	92	1990	27	46.8	1986	7	1954	4	39.6	1995	664	0	.0	@	17.6	.5	14.0	.0
May	65.4	43.6	54.5	96	1992	22	59.1	1998	27	1966	8	49.9	1997	329	4	.0	.3	29.4	.0	1.3	.0
Jun	74.4	53.3	63.9	96	1984	9	68.0	1999	37+	1983	11	60.6	1977	79	45	.0	1.1	30.0	.0	.6	.0
Jul	79.6	58.7	69.2	96+	1993	8	73.1	1994	41+	1969	9	64.7	1992	16	145	.0	1.6	31.0	.0	.0	.0
Aug	78.1	57.2	67.7	102	1975	2	70.3	1980	39+	2001	25	64.6	1982	24	105	@	1.1	31.0	.0	.0	.0
Sep	69.1	48.5	58.8	92+	2000	1	64.3	1999	23	2000	29	55.1	1978	199	14	.0	.3	29.9	.0	.5	.0
Oct	57.3	38.2	47.8	86	1968	16	52.9	1995	19+	1972	21	42.9	1980	534	0	.0	.0	25.5	.0	7.8	.0
Nov	44.8	29.3	37.1	72+	1990	4	42.6	1979	1	1989	24	34.0	1980	839	0	.0	.0	9.5	2.4	19.4	.0
Dec	33.1	15.8	24.5	65	1982	4	33.2	1973	-23+	1989	30	10.3	1989	1257	0	.0	.0	1.4	16.0	29.5	3.3
Ann	54.4	35.0	44.7	102	Aug 1975	2	73.1	Jul 1994	-30	Feb 1962	2	8.4	Jan 1994	7676	313	@	4.4	211.4	65.8	156.4	17.2

\+ 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: 1953-2001

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

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: BANGOR INTL AP, ME **COOP ID: 170355**

Climate Division: ME 2 **NWS Call Sign: BGR** **Elevation: 148 Feet** **Lat: 44˚48N** **Lon: 68˚49W**

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	3.34	2.94	2.32	1978	9	7.64	1979	.52	1985
Feb	2.54	2.64	1.88	1969	25	5.25	1984	.53	1987
Mar	3.44	3.28	1.91	1999	1	6.64	1972	.63	1981
Apr	3.32	3.12	4.40	1983	17	11.04	1983	.49	1999
May	3.40	3.18	2.21	1983	30	7.65	1989	.53	1982
Jun	3.41	2.94	2.72	1972	1	6.90	1998	1.02	1983
Jul	3.24	2.71	3.04	1969	28	7.25	1983	1.15	1977
Aug	2.99	2.68	3.67	1965	19	6.58	1991	1.02	1996
Sep	3.39	3.29	5.98	1954	11	7.66	1999	1.12+	1992
Oct	3.48	3.35	2.09	1963	29	6.80	1996	.99	1986
Nov	3.69	3.30	5.10	1983	25	11.61	1983	1.01	1978
Dec	3.33	2.27	4.08	1983	13	9.23	1983	1.20	1998
Ann	39.57	39.23	5.98	Sep 1954	11	11.61	Nov 1983	.49	Apr 1999

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	10.2	6.3	1.8	.6
Feb	7.9	4.9	1.3	.3
Mar	10.3	6.5	2.0	.6
Apr	10.7	6.7	2.0	.5
May	9.5	5.8	1.9	.6
Jun	11.2	7.3	2.2	.6
Jul	10.5	6.5	1.9	.6
Aug	8.5	4.9	1.7	.7
Sep	10.5	6.7	2.0	.8
Oct	10.4	6.6	2.2	.6
Nov	9.9	6.3	2.1	.5
Dec	10.6	6.1	1.5	.6
Ann	120.2	74.6	22.6	7.0

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	.94	1.26	1.74	2.16	2.57	2.99	3.46	4.02	4.74	5.88	6.93
Feb	.86	1.10	1.45	1.75	2.04	2.33	2.65	3.03	3.51	4.26	4.95
Mar	1.39	1.71	2.16	2.52	2.87	3.22	3.60	4.04	4.59	5.44	6.21
Apr	.96	1.28	1.75	2.17	2.57	2.98	3.44	3.99	4.69	5.79	6.82
May	.96	1.28	1.77	2.20	2.61	3.04	3.52	4.09	4.82	5.97	7.05
Jun	1.28	1.60	2.05	2.44	2.80	3.17	3.57	4.04	4.63	5.55	6.38
Jul	1.11	1.42	1.87	2.24	2.60	2.98	3.38	3.86	4.46	5.40	6.27
Aug	1.03	1.32	1.73	2.08	2.41	2.75	3.12	3.56	4.12	4.98	5.77
Sep	1.06	1.39	1.86	2.27	2.67	3.08	3.53	4.06	4.74	5.80	6.78
Oct	1.21	1.54	2.02	2.42	2.80	3.20	3.63	4.13	4.78	5.77	6.69
Nov	1.36	1.71	2.20	2.62	3.01	3.42	3.85	4.36	5.01	6.01	6.92
Dec	.88	1.20	1.68	2.10	2.52	2.96	3.44	4.02	4.77	5.95	7.05
Ann	28.60	30.74	33.47	35.53	37.37	39.14	40.96	42.97	45.41	48.94	51.99

\+ 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

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Services

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: BANGOR INTL AP, ME **COOP ID: 170355**

Climate Division: ME 2 **NWS Call Sign: BGR** **Elevation: 148 Feet** **Lat: 44°48N** **Lon: 68°49W**

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	17.7	16.7	8	6	16.7	1987	11	37.6	1987	30+	1987	26	23	1977	7.4	4.6	2.1	1.0	.2	25.9	21.4	16.7	10.8
Feb	15.6	17.4	9	8	15.0	1978	7	40.5	1972	34+	1972	28	26+	1987	6.8	4.4	2.1	1.0	.1	23.7	19.6	16.9	10.4
Mar	12.4	11.0	6	4	17.2	1984	14	34.3	1993	44	1972	6	24	1971	5.5	3.5	1.6	.8	.1	19.0	14.5	10.8	7.8
Apr	4.6	3.2	#	1	10.0	1975	3	16.5	1974	14+	1982	9	2+	1982	2.2	1.2	.5	.2	@	3.5	1.8	1.2	.3
May	#	.0	#	0	#	1987	1	#+	1987	0	0	0	#	1994	.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	#	1990	18	#	1990	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	2.0	1988	9	2.0	1988	2	1988	9	#	1988	.1	.1	.0	.0	.0	@	.0	.0	.0
Nov	3.5	2.2	#	0	11.8	1987	26	15.0	1987	13	1987	27	2+	1989	1.7	1.2	.3	.2	@	2.9	1.6	1.0	.2
Dec	13.7	11.9	3	3	9.9	1976	26	39.6	1972	26	1972	31	14	1972	6.7	4.1	1.8	.7	.0	16.9	11.0	8.2	4.0
Ann	67.6	62.4	N/A	N/A	17.2	Mar 1984	14	40.5	Feb 1972	44	Mar 1972	6	26+	Feb 1987	30.4	19.1	8.4	3.9	.4	91.9	69.9	54.8	33.5

+ 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:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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: BANGOR INTL AP, ME **COOP ID: 170355**

Climate Division: ME 2 **NWS Call Sign: BGR** **Elevation: 148 Feet** **Lat: 44˚48N** **Lon: 68˚49W**

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	6/04	5/30	5/26	5/23	5/20	5/18	5/15	5/11	5/06
32	5/23	5/17	5/13	5/09	5/06	5/02	4/28	4/24	4/18
28	5/10	5/04	4/29	4/25	4/21	4/17	4/13	4/09	4/02
24	5/01	4/23	4/18	4/14	4/09	4/05	4/01	3/26	3/19
20	4/26	4/18	4/13	4/08	4/03	3/30	3/25	3/19	3/11
16	4/04	3/31	3/28	3/25	3/23	3/21	3/18	3/15	3/11

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	9/15	9/19	9/22	9/25	9/27	9/29	10/02	10/05	10/09
32	9/26	9/30	10/03	10/05	10/07	10/10	10/12	10/15	10/19
28	10/05	10/10	10/14	10/17	10/20	10/23	10/26	10/30	11/04
24	10/16	10/22	10/26	10/30	11/02	11/06	11/09	11/13	11/19
20	11/02	11/07	11/11	11/13	11/16	11/19	11/22	11/25	11/30
16	11/14	11/18	11/21	11/24	11/26	11/29	12/01	12/04	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	148	141	137	133	129	125	121	116	109
32	177	169	164	159	154	150	145	139	131
28	209	200	193	187	181	176	170	163	153
24	238	227	219	213	206	200	193	185	174
20	254	244	237	232	226	221	215	208	199
16	265	259	255	251	247	244	240	236	230

***** 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:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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: BANGOR INTL AP, ME **COOP ID: 170355**

Climate Division: ME 2 **NWS Call Sign: BGR** **Elevation: 148 Feet** **Lat: 44˚48N** **Lon: 68˚49W**

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	1458	1228	1049	664	329	79	16	24	199	534	839	1257	7676
60	1303	1088	894	514	194	20	1	2	94	382	689	1102	6283
57	1210	1004	801	424	128	6	0	0	52	294	599	1009	5527
55	1148	948	739	365	92	2	0	0	33	240	539	947	5053
50	993	808	584	225	32	0	0	0	7	125	390	792	3956
32	451	327	123	3	0	0	0	0	0	0	37	300	1241

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	16	24	97	329	698	955	1152	1104	804	489	188	66	5922
55	0	0	0	1	77	268	439	391	147	15	0	0	1338
57	0	0	0	0	51	211	377	329	106	8	0	0	1082
60	0	0	0	0	24	135	284	238	58	3	0	0	742
65	0	0	0	0	4	45	145	105	14	0	0	0	313
70	0	0	0	0	0	7	51	26	1	0	0	0	85

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	1	0	18	133	447	690	900	849	570	258	68	3	1	1	19	152	599	1289	2189	3038	3608	3866	3934	3937
45	0	0	3	58	295	540	745	694	421	142	27	0	0	0	3	61	356	896	1641	2335	2756	2898	2925	2925
50	0	0	1	20	164	390	590	539	277	63	7	0	0	0	1	21	185	575	1165	1704	1981	2044	2051	2051
55	0	0	0	4	75	251	435	385	153	18	1	0	0	0	0	4	79	330	765	1150	1303	1321	1322	1322
60	0	0	0	0	24	132	282	242	69	3	0	0	0	0	0	0	24	156	438	680	749	752	752	752
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	0	0	12	77	250	416	583	541	325	130	29	0	0	0	12	89	339	755	1338	1879	2204	2334	2363	2363

(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.
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