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: PRESQUE ISLE, ME **COOP ID: 176937**

Climate Division: ME 1 **NWS Call Sign:** **Elevation: 599 Feet** **Lat: 46˚39N** **Lon: 68˚00W**

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	20.7	1.2	11.0	55	1950	26	18.5	1990	-35+	1995	11	1.0	1994	1676	0	.0	.0	.2	25.3	30.5	15.6
Feb	25.0	4.7	14.9	59	1994	20	26.5	1981	-37	1955	1	4.7	1993	1404	0	.0	.0	.2	21.0	27.5	11.6
Mar	35.6	16.2	25.9	74	1962	30	32.9	1977	-30	1938	4	19.4	1972	1213	0	.0	.0	2.4	11.1	28.6	4.6
Apr	48.3	29.0	38.7	84	1990	27	45.3	1987	-3	1964	2	33.6	1972	789	0	.0	.0	12.8	1.1	21.0	.0
May	64.3	40.6	52.5	94	1992	22	58.3	1999	16	1974	2	45.9	1974	392	4	.0	.2	29.1	.0	5.3	.0
Jun	73.2	49.8	61.5	95	1944	29	66.5	1999	26	1927	3	57.4	1986	131	26	.0	.5	30.0	.0	.2	.0
Jul	77.2	55.1	66.2	96	1991	20	69.6+	1975	35	1982	4	60.7	1992	51	87	.0	.6	31.0	.0	.0	.0
Aug	75.6	53.1	64.4	99	1935	18	67.6	1990	29	1965	31	59.9	1982	71	51	.0	.4	31.0	.0	@	.0
Sep	65.9	44.6	55.3	90+	1945	8	63.2	1999	21	1927	28	51.2	1986	298	6	.0	.0	29.7	.0	2.9	.0
Oct	52.9	34.9	43.9	84	1930	13	48.1	1995	15+	1973	29	39.9	1974	655	0	.0	.0	19.4	.1	13.0	.0
Nov	38.3	24.7	31.5	70	1947	2	36.3	1999	-15	1926	30	27.3	1996	1005	0	.0	.0	4.3	8.1	24.0	.4
Dec	25.9	9.3	17.6	57+	1973	6	24.5	1973	-33	1933	15	3.2	1989	1470	0	.0	.0	.5	21.6	30.4	8.3
Ann	50.2	30.3	40.3	99	Aug 1935	18	69.6+	Jul 1975	-37	Feb 1955	1	1.0	Jan 1994	9155	174	.0	1.7	190.6	88.3	183.4	40.5

\+ 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: 1926-2001

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

Issue Date: February 2004

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: PRESQUE ISLE, ME **COOP ID: 176937**

Climate Division: ME 1 **NWS Call Sign:** **Elevation: 599 Feet** **Lat: 46˚39N** **Lon: 68˚00W**

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	2.55	2.32	1.98	1995	17	5.49	1996	.65	1985
Feb	1.68	1.71	2.09	1952	12	2.84	1979	.07	1978
Mar	2.12	1.99	2.47	1931	10	4.53	1991	.82	1990
Apr	2.35	2.26	1.82	1940	13	5.37	2000	.96	1972
May	3.44	3.60	3.15	1928	25	6.61	1984	.47	1982
Jun	3.43	3.37	3.00	1952	7	7.85	1977	.66	1983
Jul	3.71	3.28	3.95	1951	6	7.04	1973	.76	1991
Aug	3.94	3.57	2.92	1954	11	8.53	1991	1.26	1994
Sep	3.44	3.33	4.47	1954	12	9.40	1999	1.03	1984
Oct	3.28	3.15	3.03	1990	24	7.67	1990	.96	1974
Nov	2.77	2.54	2.15	1927	5	7.60	1983	1.37	1978
Dec	2.56	2.29	2.65	1960	17	6.40	1973	.59	1988
Ann	35.27	34.45	4.47	Sep 1954	12	9.40	Sep 1999	.07	Feb 1978

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	11.0	6.5	1.7	.4
Feb	7.8	4.7	.8	.1
Mar	9.7	5.9	1.1	.2
Apr	10.8	6.3	1.2	.4
May	12.6	8.1	2.3	.4
Jun	12.2	8.1	2.3	.6
Jul	12.9	8.2	2.6	.7
Aug	11.8	8.1	2.5	.9
Sep	11.4	7.4	2.0	.6
Oct	12.2	7.1	1.9	.4
Nov	11.8	6.5	1.7	.3
Dec	11.3	6.6	1.4	.3
Ann	135.5	83.5	21.5	5.3

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	.95	1.19	1.53	1.82	2.09	2.37	2.67	3.02	3.47	4.15	4.78
Feb	.32	.47	.72	.95	1.18	1.43	1.71	2.05	2.50	3.23	3.92
Mar	.86	1.05	1.33	1.56	1.77	1.99	2.23	2.50	2.84	3.37	3.85
Apr	1.00	1.21	1.51	1.75	1.98	2.21	2.46	2.75	3.11	3.66	4.16
May	1.11	1.44	1.92	2.33	2.73	3.14	3.59	4.11	4.79	5.84	6.81
Jun	1.22	1.55	2.01	2.41	2.78	3.17	3.58	4.07	4.69	5.66	6.54
Jul	1.51	1.85	2.33	2.73	3.10	3.48	3.89	4.36	4.96	5.87	6.69
Aug	1.52	1.89	2.41	2.84	3.25	3.67	4.12	4.65	5.32	6.34	7.28
Sep	1.42	1.74	2.18	2.54	2.89	3.23	3.61	4.04	4.59	5.42	6.18
Oct	.93	1.24	1.71	2.12	2.52	2.94	3.40	3.95	4.66	5.77	6.81
Nov	1.18	1.43	1.78	2.07	2.34	2.61	2.91	3.24	3.67	4.32	4.91
Dec	.80	1.04	1.40	1.71	2.01	2.32	2.67	3.07	3.59	4.39	5.14
Ann	27.17	28.79	30.84	32.38	33.73	35.03	36.37	37.83	39.59	42.12	44.29

\+ 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: 1926-2001
(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: PRESQUE ISLE, ME **COOP ID: 176937**

Climate Division: ME 1 **NWS Call Sign:** **Elevation: 599 Feet** **Lat: 46°39N** **Lon: 68°00W**

Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	18.9	19.0	17	18
Feb	17.8	15.6	23	23
Mar	17.3	17.5	17	17
Apr	7.3	7.0	3	1
May	.2	.0	#	0
Jun	.0	.0	0	0
Jul	.0	.0	0	0
Aug	.0	.0	0	0
Sep	.1	.0	0	0
Oct	.6	.0	#	0
Nov	8.8	7.0	1	1
Dec	17.7	17.0	9	8
Ann	88.7	83.1	N/A	N/A

Extremes (2)

Month	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year
Jan	16.0	1994	18	28.5	1987	49	1977	31	35	1981
Feb	16.0	1993	17	36.0	1992	63	1977	14	53	1977
Mar	20.0	1984	14	35.0	1972	58	1982	9	39	1997
Apr	16.0	1982	7	22.0	1982	39	1982	9	16	1982
May	2.0	1974	2	2.5	1974	1+	1995	7	#+	1995
Jun	.0	0	0	.0	0	0	0	0	0	0
Jul	.0	0	0	.0	0	0	0	0	0	0
Aug	.0	0	0	.0	0	0	0	0	0	0
Sep	4.0	1991	30	4.0	1991	0	0	0	0	0
Oct	5.0	2000	29	6.0	2000	5	2000	29	#+	2000
Nov	12.0	1974	25	23.7	1974	24	1974	30	6	1974
Dec	14.0	1975	18	49.5	1972	43	1989	23	35	1989
Ann	20.0	Mar 1984	14	49.5	Dec 1972	63	Feb 1977	14	53	Feb 1977

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	7.6	6.4	2.6	1.1	.3
Feb	5.6	4.7	2.3	1.1	.3
Mar	5.0	4.2	2.4	1.2	.2
Apr	2.3	2.1	1.1	.4	.1
May	.2	.1	.0	.0	.0
Jun	.0	.0	.0	.0	.0
Jul	.0	.0	.0	.0	.0
Aug	.0	.0	.0	.0	.0
Sep	@	@	@	.0	.0
Oct	.4	.3	@	@	.0
Nov	3.0	2.5	.9	.4	.1
Dec	6.4	5.4	2.3	1.1	.2
Ann	30.5	25.7	11.6	5.3	1.2

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	28.2	27.1	24.9	19.8
Feb	26.7	26.1	24.8	22.2
Mar	28.4	26.3	24.5	19.8
Apr	8.7	6.9	4.7	2.0
May	.1	.0	.0	.0
Jun	.0	.0	.0	.0
Jul	.0	.0	.0	.0
Aug	.0	.0	.0	.0
Sep	.0	.0	.0	.0
Oct	.2	@	@	.0
Nov	8.3	4.3	2.9	1.3
Dec	24.0	20.5	15.7	8.9
Ann	124.6	111.2	97.5	74.0

+ 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:
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: PRESQUE ISLE, ME **COOP ID: 176937**

Climate Division: ME 1 **NWS Call Sign:** **Elevation: 599 Feet** **Lat: 46˚39N** **Lon: 68˚00W**

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	6/22	6/16	6/12	6/08	6/05	6/01	5/28	5/24	5/18
32	6/03	5/30	5/27	5/24	5/21	5/19	5/16	5/13	5/08
28	5/20	5/15	5/12	5/09	5/06	5/04	5/01	4/27	4/22
24	5/05	5/01	4/28	4/26	4/23	4/21	4/19	4/16	4/12
20	4/23	4/19	4/15	4/12	4/10	4/07	4/04	4/01	3/27
16	4/19	4/14	4/11	4/08	4/05	4/02	3/30	3/27	3/22

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	8/25	8/29	9/01	9/04	9/07	9/09	9/12	9/15	9/20
32	9/08	9/12	9/15	9/18	9/20	9/23	9/26	9/29	10/03
28	9/22	9/26	9/29	10/01	10/03	10/06	10/08	10/11	10/15
24	10/02	10/07	10/10	10/13	10/15	10/18	10/21	10/24	10/28
20	10/21	10/26	10/30	11/02	11/05	11/07	11/10	11/14	11/19
16	11/03	11/07	11/10	11/12	11/14	11/17	11/19	11/22	11/25

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	116	108	103	98	93	89	84	79	71
32	138	132	128	125	121	118	115	110	105
28	168	161	157	153	149	146	142	138	131
24	192	186	182	178	174	171	167	162	156
20	226	220	216	212	208	205	201	197	190
16	240	234	230	226	223	219	216	211	205

***** 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: PRESQUE ISLE, ME **COOP ID: 176937**

Climate Division: ME 1 **NWS Call Sign:** **Elevation: 599 Feet** **Lat: 46˚39N** **Lon: 68˚00W**

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	1676	1404	1213	789	392	131	51	71	298	655	1005	1470	9155
60	1521	1264	1058	639	254	48	9	16	173	500	855	1315	7652
57	1428	1180	965	550	184	20	2	4	114	409	765	1222	6843
55	1366	1124	903	490	143	10	0	2	82	349	705	1160	6334
50	1211	984	748	345	66	1	0	0	29	212	555	1005	5156
32	654	485	237	25	0	0	0	0	0	2	104	475	1982

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	1	5	47	226	635	884	1059	1003	698	370	89	28	5045
55	0	0	0	1	65	204	346	292	89	5	0	0	1002
57	0	0	0	0	44	155	286	232	61	2	0	0	780
60	0	0	0	0	21	92	200	151	31	0	0	0	495
65	0	0	0	0	4	26	87	51	6	0	0	0	174
70	0	0	0	0	0	3	21	8	0	0	0	0	32

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	0	6	77	401	662	828	771	473	170	30	1	0	0	6	83	484	1146	1974	2745	3218	3388	3418	3419
45	0	0	0	26	261	512	673	616	328	85	8	0	0	0	0	26	287	799	1472	2088	2416	2501	2509	2509
50	0	0	0	10	152	366	518	461	199	36	1	0	0	0	0	10	162	528	1046	1507	1706	1742	1743	1743
55	0	0	0	2	72	232	365	313	100	10	0	0	0	0	0	2	74	306	671	984	1084	1094	1094	1094
60	0	0	0	0	28	122	216	175	42	1	0	0	0	0	0	0	28	150	366	541	583	584	584	584
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	0	0	7	53	247	409	529	490	273	88	12	0	0	0	7	60	307	716	1245	1735	2008	2096	2108	2108

(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