

# Climatography of the United States

No. 20

1971-2000

Station: CORINNA, ME

COOP ID: 171628

Climate Division: ME 2

NWS Call Sign:

Elevation: 220 Feet Lat: 44° 55N Lon: 69° 16W

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	25.7	.8	13.3	54+	1995	17	21.5	1990	-38+	1994	21	3.3	1994	1604	0	.0	.0	.6	21.9	30.6	15.5
Feb	29.3	3.3	16.3	59	1984	26	26.5	1981	-39	1962	2	4.9	1993	1364	0	.0	.0	.7	16.3	27.6	11.6
Mar	39.0	16.6	27.8	72	1981	30	33.8	1977	-28	1982	1	22.3	1972	1154	0	.0	.0	4.7	6.8	28.4	3.2
Apr	51.6	29.7	40.7	92	1990	28	44.9	1986	-3	1954	5	36.1	1972	731	0	.0	@	18.3	.4	19.8	.0
May	65.8	41.2	53.5	97	1977	23	58.6	1998	10	1953	24	48.6	1974	361	5	.0	.5	29.5	.0	4.6	.0
Jun	74.2	50.6	62.4	96+	1995	20	67.0	1999	29	1958	7	58.2	1985	109	31	.0	.9	30.0	.0	@	.0
Jul	79.2	56.2	67.7	97+	1963	27	71.2	1988	35	1962	3	63.4	1992	23	106	.0	1.4	31.0	.0	.0	.0
Aug	77.6	53.6	65.6	97	1952	28	69.2	1973	31+	1982	30	61.6	1982	53	71	.0	.8	31.0	.0	@	.0
Sep	68.7	44.5	56.6	94	1948	7	63.2	1999	21	1980	29	52.9	1995	256	5	.0	.1	29.8	.0	2.9	.0
Oct	57.1	32.7	44.9	83	1990	8	49.8	1995	15+	1983	22	40.2	1974	623	0	.0	.0	25.2	.0	15.6	.0
Nov	43.7	24.8	34.3	71	1989	1	39.5	1979	-8	1987	27	30.5	1989	922	0	.0	.0	8.4	3.0	23.9	.2
Dec	31.1	10.0	20.6	63	1982	5	29.3	1996	-31	1989	30	2.8	1989	1377	0	.0	.0	1.0	15.7	30.2	7.7
Ann	53.6	30.3	42.0	97+	May 1977	23	71.2	Jul 1988	-39	Feb 1962	2	2.8	Dec 1989	8577	218	.0	3.7	210.2	64.1	183.6	38.2

+ 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/normal/usnormals.html](http://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

009-A

**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: CORINNA, ME**

**COOP ID: 171628**

**Climate Division: ME 2**

**NWS Call Sign:**

**Elevation: 220 Feet Lat: 44°55N**

**Lon: 69°16W**

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	3.45	3.16	1.76	1994	18	7.85	1979	.95	1981	10.4	7.6	2.4	.8	1.12	1.44	1.93	2.34	2.74	3.15	3.60	4.12	4.80	5.86	6.83
Feb	2.52	2.55	2.90	1970	11	5.13	1996	.52	1987	8.3	5.8	1.6	.3	.89	1.13	1.47	1.76	2.04	2.32	2.63	3.00	3.46	4.17	4.83
Mar	3.64	3.68	3.40	1950	23	6.34	1972	.67	1981	10.8	7.1	2.4	.8	1.51	1.84	2.31	2.70	3.06	3.42	3.82	4.27	4.85	5.72	6.52
Apr	3.72	3.35	3.20	1983	25	10.45	1983	.73	1999	10.8	8.0	2.6	.7	1.25	1.61	2.12	2.56	2.98	3.41	3.88	4.43	5.14	6.23	7.24
May	3.72	3.74	2.54	1984	30	8.34	1984	.81	1992	11.9	7.9	2.6	.8	.92	1.27	1.81	2.29	2.77	3.27	3.83	4.50	5.37	6.75	8.05
Jun	3.83	3.73	3.11	1954	28	9.06	1984	.91	1979	12.2	8.3	2.4	.8	1.52	1.87	2.37	2.79	3.18	3.58	4.01	4.51	5.14	6.11	7.00
Jul	3.44	3.13	3.23	1996	14	6.40	1976	1.12	1989	11.3	7.2	2.1	.6	1.33	1.65	2.11	2.49	2.84	3.21	3.60	4.06	4.64	5.53	6.34
Aug	3.61	3.38	2.85	1976	10	7.40	1991	.90	1993	9.6	6.2	2.3	.9	.95	1.30	1.82	2.28	2.73	3.20	3.73	4.36	5.17	6.45	7.65
Sep	3.82	3.55	3.50	1999	17	9.11	1999	1.13	1978	9.8	6.6	2.4	.8	1.32	1.68	2.20	2.65	3.07	3.51	3.99	4.54	5.26	6.36	7.37
Oct	3.82	3.73	2.46+	1981	19	7.95	1990	1.00	1982	10.1	7.1	2.8	.8	1.22	1.58	2.12	2.58	3.02	3.48	3.98	4.57	5.32	6.50	7.59
Nov	3.80	3.56	2.90	1955	1	8.90	1983	1.89	1996	11.1	7.9	2.7	.7	1.81	2.14	2.59	2.95	3.29	3.63	3.99	4.40	4.92	5.70	6.40
Dec	3.45	2.72	4.05	1973	17	9.39	1973	1.34+	1992	10.7	7.3	2.5	.5	1.10	1.42	1.91	2.33	2.73	3.14	3.60	4.13	4.82	5.89	6.88
Ann	42.82	42.27	4.05	Dec 1973	17	10.45	Apr 1983	.52	Feb 1987	127.0	87.0	28.8	8.5	32.94	34.91	37.41	39.28	40.93	42.52	44.14	45.92	48.06	51.15	53.79

+ 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

Complete documentation available from:  
[www.ncdc.noaa.gov/oa/climate/normals/usnormals.html](http://www.ncdc.noaa.gov/oa/climate/normals/usnormals.html)

# 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](http://www.ncdc.noaa.gov)

**Station: CORINNA, ME**

**COOP ID: 171628**

**Climate Division: ME 2**

**NWS Call Sign:**

**Elevation: 220 Feet**

**Lat: 44° 55N**

**Lon: 69° 16W**

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	17.8	15.0	11	11	14.0	1977	11	44.0	1994	29	1971	14	23+	1982	6.9	5.7	2.4	1.1	.2	28.5	25.0	21.7	14.0
Feb	15.5	15.3	14	13	10.0	1992	5	35.9	1993	38	1971	26	31+	1982	5.4	4.7	2.1	.8	.1	27.1	26.9	26.6	19.5
Mar	11.4	10.7	11	9	15.0	1999	16	25.0	1994	41	1971	12	32	1971	4.4	3.7	1.8	.8	.2	23.1	21.8	19.2	13.3
Apr	5.2	2.9	1	#	11.0	1982	7	20.0	1973	25	1971	1	14	1971	1.9	1.6	.8	.3	@	4.7	3.2	2.1	.6
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	.4	.0	#	0	3.5	2000	29	6.5	2000	6	2000	30	#+	2000	.1	.1	.1	.0	.0	.1	.1	@	.0
Nov	4.3	2.0	1	#	7.5	1980	19	13.0	1997	12	1987	26	2	1997	1.9	1.6	.5	.4	.0	4.3	2.0	1.3	.2
Dec	14.9	13.0	5	3	9.8	1995	21	42.9	1995	25	1995	21	15	1989	5.9	4.6	2.2	1.1	.0	18.1	13.9	10.8	3.6
Ann	69.5	58.9	N/A	N/A	15.0	Mar 1999	16	44.0	Jan 1994	41	Mar 1971	12	32	Mar 1971	26.5	22.0	9.9	4.5	.5	105.9	92.9	81.7	51.2

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

# Climatography of the United States

## No. 20 1971-2000

Station: CORINNA, ME

COOP ID: 171628

Climate Division: ME 2

NWS Call Sign:

Elevation: 220 Feet

Lat: 44° 55N

Lon: 69° 16W

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	6/13	6/08	6/05	6/02	5/30	5/27	5/24	5/20	5/15
32	5/30	5/26	5/23	5/20	5/18	5/16	5/13	5/10	5/06
28	5/13	5/09	5/07	5/04	5/02	4/30	4/28	4/25	4/22
24	4/29	4/26	4/23	4/21	4/19	4/17	4/15	4/12	4/08
20	4/19	4/15	4/12	4/10	4/07	4/05	4/03	3/31	3/27
16	4/14	4/10	4/07	4/04	4/02	3/30	3/27	3/24	3/20
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	9/01	9/05	9/08	9/11	9/13	9/15	9/18	9/21	9/25
32	9/10	9/15	9/18	9/21	9/23	9/26	9/28	10/02	10/06
28	9/20	9/25	9/28	9/30	10/03	10/05	10/08	10/11	10/15
24	10/05	10/09	10/12	10/14	10/17	10/19	10/21	10/24	10/28
20	10/17	10/22	10/26	10/29	11/01	11/04	11/07	11/11	11/16
16	10/28	11/03	11/07	11/11	11/14	11/18	11/21	11/26	12/01
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	124	118	113	109	106	102	98	93	87
32	144	139	134	131	127	124	121	116	111
28	171	165	160	156	153	149	145	141	135
24	197	191	187	184	180	177	173	169	163
20	228	220	215	211	207	203	199	193	186
16	248	241	235	230	226	221	217	211	203

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

**Climatography  
of the United States  
No. 20  
1971-2000**

**Station: CORINNA, ME**

**COOP ID: 171628**

**Climate Division: ME 2**

**NWS Call Sign:**

**Elevation: 220 Feet**

**Lat: 44°55N**

**Lon: 69°16W**

**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>	1604	1364	1154	731	361	109	23	53	256	623	922	1377	8577
<b>60</b>	1449	1224	999	581	225	35	1	9	134	468	772	1222	7119
<b>57</b>	1356	1140	906	491	158	14	0	2	79	378	682	1129	6335
<b>55</b>	1294	1084	844	432	119	6	0	0	52	319	622	1067	5839
<b>50</b>	1139	944	689	287	49	1	0	0	14	187	472	912	4694
<b>32</b>	590	451	194	9	0	0	0	0	0	2	68	407	1721

<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>	9	12	63	268	667	912	1106	1041	739	402	136	52	5407
<b>55</b>	0	0	0	1	72	228	393	329	101	6	0	0	1130
<b>57</b>	0	0	0	0	49	175	331	268	68	3	0	0	894
<b>60</b>	0	0	0	0	24	107	240	183	33	0	0	0	587
<b>65</b>	0	0	0	0	5	31	106	71	5	0	0	0	218
<b>70</b>	0	0	0	0	0	3	27	14	0	0	0	0	44

**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>	0	0	11	108	440	687	871	807	505	198	45	1	0	0	11	119	559	1246	2117	2924	3429	3627	3672	3673
<b>45</b>	0	0	3	45	296	537	716	652	357	98	16	0	0	0	3	48	344	881	1597	2249	2606	2704	2720	2720
<b>50</b>	0	0	1	17	169	387	561	497	221	42	3	0	0	0	1	18	187	574	1135	1632	1853	1895	1898	1898
<b>55</b>	0	0	0	6	85	249	406	344	118	14	0	0	0	0	0	6	91	340	746	1090	1208	1222	1222	1222
<b>60</b>	0	0	0	0	32	134	252	200	47	0	0	0	0	0	0	0	32	166	418	618	665	665	665	665
<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	0	13	85	274	429	561	513	315	134	28	0	0	0	13	98	372	801	1362	1875	2190	2324	2352	2352

(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)