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: EASTPORT, ME **COOP ID: 172426**

Climate Division: ME 3 **NWS Call Sign: EPO** **Elevation: 85 Feet** **Lat: 44˚55N** **Lon: 67˚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	30.4	13.7	22.1	61	2000	5	29.4	1990	-16+	1982	18	13.4	1994	1331	0	.0	.0	1.1	17.3	28.9	5.0
Feb	31.9	16.1	24.0	65	1994	20	32.7	1981	-22	1934	9	16.1	1993	1147	0	.0	.0	.8	14.8	26.4	2.3
Mar	39.2	24.2	31.7	79	1998	31	36.7	2000	-13	1989	7	26.0	1984	1031	0	.0	.0	3.2	5.9	25.9	.3
Apr	49.6	33.3	41.5	84	1990	28	44.3	1986	8	1995	5	38.4	1972	706	0	.0	.0	13.9	.3	13.1	.0
May	60.2	41.3	50.8	93	1992	22	54.9	1991	24	1950	8	47.9	1974	442	0	.0	.1	28.1	.0	.9	.0
Jun	68.9	48.2	58.6	93	1975	23	62.0	1999	34	1986	3	55.1	1977	199	4	.0	.3	29.8	.0	.0	.0
Jul	74.5	53.5	64.0	98	1999	18	66.6	1999	41+	1980	14	61.0	1992	68	37	.0	.2	31.0	.0	.0	.0
Aug	74.1	54.1	64.1	94	1976	22	66.2	1984	40	1990	19	61.4	1982	57	29	.0	.2	31.0	.0	.0	.0
Sep	66.4	48.7	57.6	92+	1960	8	63.3	1999	31	1980	29	54.7	1978	225	2	.0	.0	29.9	.0	@	.0
Oct	56.0	40.5	48.3	82	1930	12	52.7	1995	19	1988	28	44.8	1974	521	0	.0	.0	25.6	.0	3.4	.0
Nov	45.5	32.1	38.8	71	1956	1	43.5	1979	4	1932	27	35.0	1986	786	0	.0	.0	9.9	1.9	16.2	.0
Dec	35.4	20.2	27.8	60+	1998	8	34.2	1973	-23+	1933	30	13.1	1989	1153	0	.0	.0	2.5	11.7	26.9	1.7
Ann	52.7	35.5	44.1	98	Jul 1999	18	66.6	Jul 1999	-23+	Dec 1933	30	13.1	Dec 1989	7666	72	.0	.8	206.8	51.9	141.7	9.3

+ 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

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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	4.31	3.87	3.50	1978	26	11.95	1979	.76	1985
Feb	3.24	3.17	1.91+	1970	3	7.20	1981	.60	1994
Mar	4.03	4.12	3.32	1979	26	7.72	1979	1.25	1988
Apr	3.60	3.36	3.93	2000	23	7.91	1973	.73	1999
May	3.77	3.19	2.94	1960	14	9.23	1979	.72	1982
Jun	3.35	3.20	2.67	1992	22	8.20	1977	.95	1991
Jul	3.06	2.99	4.14	1990	25	6.83	1980	.88	1998
Aug	2.98	2.80	3.42	1977	17	9.27	1991	.15	1993
Sep	3.81	3.22	3.31	1987	21	8.86	1996	1.43	1976
Oct	4.00	3.67	3.45	1976	21	8.80	1976	1.32	1997
Nov	4.24	4.25	3.67	1943	23	8.27	1983	1.68	1976
Dec	4.43	3.50	3.20	1967	4	9.17	1977	.73	1988
Ann	44.82	43.92	4.14	Jul 1990	25	11.95	Jan 1979	.15	Aug 1993

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	11.7	7.8	2.7	.9
Feb	9.6	6.2	2.1	.6
Mar	11.9	7.3	3.0	.8
Apr	11.6	7.5	2.5	.7
May	12.2	7.4	2.5	.7
Jun	12.2	6.8	1.9	.6
Jul	10.1	5.7	1.9	.7
Aug	9.6	5.3	1.8	.8
Sep	9.8	6.5	2.7	1.0
Oct	10.1	6.8	2.8	.9
Nov	11.8	7.6	3.1	1.2
Dec	12.9	8.4	3.0	.9
Ann	133.5	83.3	30.0	9.8

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	1.38	1.79	2.39	2.91	3.40	3.92	4.48	5.15	6.00	7.33	8.55
Feb	.87	1.18	1.65	2.06	2.46	2.89	3.36	3.91	4.64	5.78	6.84
Mar	1.67	2.04	2.56	2.98	3.38	3.79	4.22	4.72	5.36	6.33	7.21
Apr	1.23	1.57	2.07	2.48	2.89	3.30	3.75	4.28	4.96	6.00	6.97
May	.82	1.16	1.72	2.22	2.72	3.25	3.86	4.58	5.53	7.04	8.48
Jun	1.11	1.43	1.89	2.29	2.67	3.06	3.50	4.00	4.65	5.65	6.58
Jul	.96	1.25	1.68	2.05	2.41	2.78	3.19	3.66	4.28	5.24	6.13
Aug	.48	.74	1.18	1.59	2.01	2.47	3.00	3.64	4.50	5.90	7.23
Sep	1.44	1.79	2.30	2.73	3.13	3.54	3.99	4.50	5.16	6.18	7.11
Oct	1.23	1.61	2.17	2.66	3.13	3.62	4.16	4.79	5.61	6.88	8.06
Nov	1.83	2.21	2.74	3.18	3.59	4.00	4.44	4.95	5.59	6.57	7.45
Dec	1.36	1.78	2.41	2.95	3.47	4.01	4.61	5.31	6.21	7.63	8.93
Ann	32.98	35.30	38.26	40.49	42.47	44.38	46.34	48.50	51.12	54.89	58.14

\+ 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

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(2) Derived from station's available digital record: 1926-2001
(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	14.2	14.9	4	3	13.3	1983	16	28.0	1978	27	1971	23	18	1971	6.2	4.0	1.8	.9	.1	17.1	11.9	8.0	3.6
Feb	13.7	13.6	4	4	13.0	1980	29	29.0	1980	25	1971	8	15	1971	5.9	3.9	1.7	.7	.2	18.1	14.5	10.0	3.5
Mar	14.3	12.7	4	2	14.4	1993	14	33.2	1972	30	1972	6	13	1971	5.4	3.6	1.7	1.0	.1	16.2	11.8	8.0	3.4
Apr	4.5	3.0	#	#	8.6	1982	7	18.2	1972	9	1982	8	2	1972	2.2	1.6	.6	.2	.0	2.7	1.3	.5	.0
May	.1	.0	0	0	1.0	1977	10	1.0	1977	0	0	0	0	0	.1	@	.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	1974	20	1.0	1974	1	1974	20	#	1974	.1	@	.0	.0	.0	@	.0	.0	.0
Nov	2.3	1.0	#	#	8.1	1987	12	15.1	1987	6	1974	26	1+	1997	1.2	.8	.3	.1	.0	1.7	.6	.1	.0
Dec	10.2	7.9	2	1	10.0	1976	17	28.0	1977	16	1977	14	7	1989	5.2	3.3	1.4	.5	@	10.6	6.2	3.9	.9
Ann	59.4	53.1	N/A	N/A	14.4	Mar 1993	14	33.2	Mar 1972	30	Mar 1972	6	18	Jan 1971	26.3	17.2	7.5	3.4	.4	66.4	46.3	30.5	11.4

+ 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

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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	5/30	5/25	5/22	5/20	5/17	5/15	5/12	5/09	5/04
32	5/16	5/11	5/07	5/04	5/01	4/28	4/25	4/22	4/17
28	4/26	4/22	4/19	4/17	4/14	4/12	4/09	4/07	4/03
24	4/16	4/11	4/08	4/05	4/02	3/31	3/28	3/24	3/20
20	4/10	4/06	4/03	3/31	3/28	3/26	3/23	3/19	3/15
16	4/01	3/27	3/24	3/21	3/18	3/16	3/13	3/10	3/05

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	9/21	9/26	9/28	10/01	10/03	10/06	10/08	10/11	10/15
32	10/06	10/11	10/14	10/17	10/19	10/22	10/25	10/28	11/01
28	10/19	10/24	10/27	10/30	11/02	11/04	11/07	11/10	11/15
24	11/03	11/07	11/10	11/12	11/14	11/16	11/18	11/21	11/25
20	11/09	11/13	11/17	11/19	11/22	11/25	11/28	12/01	12/05
16	11/19	11/24	11/27	11/29	12/02	12/05	12/07	12/11	12/15

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	153	148	144	141	138	136	132	129	124
32	189	183	178	174	170	167	163	158	151
28	219	213	208	204	201	197	193	189	182
24	241	235	231	228	225	222	218	214	209
20	255	249	245	241	238	235	231	227	222
16	279	272	267	262	258	254	249	244	237

***** 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	1331	1147	1031	706	442	199	68	57	225	521	786	1153	7666
60	1176	1007	876	556	289	81	11	5	101	366	636	998	6102
57	1083	923	783	466	202	36	2	0	51	276	546	905	5273
55	1021	867	721	406	151	18	0	0	29	219	486	843	4761
50	866	727	566	258	54	1	0	0	4	101	337	688	3602
32	334	249	97	2	0	0	0	0	0	0	21	223	926

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	26	26	89	286	581	795	992	995	767	502	225	93	5377
55	0	0	0	0	19	124	280	282	106	9	0	0	820
57	0	0	0	0	9	82	219	220	68	4	0	0	602
60	0	0	0	0	2	36	135	132	28	1	0	0	334
65	0	0	0	0	0	4	37	29	2	0	0	0	72
70	0	0	0	0	0	0	3	1	0	0	0	0	4

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	3	1	13	91	338	558	747	747	527	257	80	10	3	4	17	108	446	1004	1751	2498	3025	3282	3362	3372
45	0	0	3	26	188	408	592	592	377	133	31	0	0	0	3	29	217	625	1217	1809	2186	2319	2350	2350
50	0	0	0	4	80	259	437	437	231	50	5	0	0	0	0	4	84	343	780	1217	1448	1498	1503	1503
55	0	0	0	0	21	133	283	283	111	11	0	0	0	0	0	0	21	154	437	720	831	842	842	842
60	0	0	0	0	5	46	138	138	36	0	0	0	0	0	0	0	5	51	189	327	363	363	363	363
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	0	0	6	46	166	298	440	442	271	106	27	0	0	0	6	52	218	516	956	1398	1669	1775	1802	1802

(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