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: PORT JERVIS, NY **COOP ID: 306774**

Climate Division: NY 2 **NWS Call Sign:** **Elevation: 470 Feet** **Lat: 41˚23N** **Lon: 74˚41W**

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	34.9	17.7	26.3	71	1932	14	35.0	1990	-20	1961	22	18.1	1977	1200	0	.0	.0	2.4	12.2	28.4	2.7
Feb	38.9	19.3	29.1	75+	1954	16	36.3	1998	-20	1943	16	19.1	1979	1006	0	.0	.0	3.9	7.5	25.1	1.6
Mar	49.3	27.1	38.2	87+	1998	30	43.7	1973	-9	1967	19	32.1	1984	830	0	.0	.0	14.2	1.7	22.4	.2
Apr	62.1	36.5	49.3	96	1976	18	53.1	1985	11	1982	7	44.1	1975	470	0	.0	.4	26.6	@	10.5	.0
May	73.0	46.9	60.0	98	1962	19	65.8	1991	21	1966	12	55.9	1973	183	27	.0	.9	30.9	.0	1.1	.0
Jun	80.1	55.4	67.8	102	1933	29	70.8	1994	34+	1945	1	64.4	1985	29	111	.0	2.2	30.0	.0	.0	.0
Jul	84.4	60.2	72.3	105	1936	9	76.8	1999	36	1957	15	68.9	2000	4	230	@	5.6	31.0	.0	.0	.0
Aug	81.9	59.1	70.5	102	1955	5	73.3	1988	33	1940	25	66.9	1982	8	178	.0	2.8	31.0	.0	.0	.0
Sep	73.5	51.8	62.7	103	1953	2	66.3	1998	21	1947	28	58.7	1975	104	32	.0	.5	30.0	.0	.2	.0
Oct	62.3	40.1	51.2	93+	1941	5	56.4	1971	15	1936	28	46.4	1974	431	2	.0	.0	28.9	.0	6.9	.0
Nov	50.5	32.2	41.4	85	1950	1	46.5	1975	1	1938	26	35.7	1976	709	0	.0	.0	14.8	.6	16.9	.0
Dec	39.1	23.1	31.1	73	1998	7	37.1	1984	-13	1989	24	18.4	1989	1050	0	.0	.0	3.9	7.1	26.5	.8
Ann	60.8	39.1	50.0	105	Jul 1936	9	76.8	Jul 1999	-20+	Jan 1961	22	18.1	Jan 1977	6024	580	@	12.4	247.6	29.1	138.0	5.3

\+ 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

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

Issue Date: February 2004

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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	3.52	3.28	1.92	1986	26	8.91	1979	.52	1980
Feb	2.97	2.78	2.50	1928	14	5.61	1981	.60	1987
Mar	3.85	3.30	2.64	1977	22	8.58	1977	.43	1981
Apr	4.03	3.94	4.25	1983	16	10.69	1983	1.19	1978
May	4.43	4.07	3.17	1984	29	11.11	1989	1.15	1993
Jun	4.30	4.33	4.03	1998	1	11.06	1998	1.14	1988
Jul	4.17	3.96	3.74	1996	13	9.83	1996	.96	1999
Aug	3.66	3.31	5.77	1955	18	8.26	1994	1.08	1981
Sep	4.48	3.94	6.43	1985	27	10.43	1999	.70	1984
Oct	3.36	3.23	5.15	1935	30	8.25	1995	1.06	1982
Nov	3.70	3.51	4.75	1952	21	9.46	1972	1.06	1976
Dec	3.54	3.15	3.14	2000	17	9.03	1973	.82	1988
Ann	46.01	46.01	6.43	Sep 1985	27	11.11	May 1989	.43	Mar 1981

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	11.1	6.9	2.7	.7
Feb	9.5	5.7	2.2	.6
Mar	10.4	7.1	2.6	.9
Apr	11.3	7.6	2.8	.9
May	12.4	8.3	2.7	1.1
Jun	11.3	7.3	3.0	1.0
Jul	10.0	6.8	2.6	1.3
Aug	9.5	6.2	2.4	1.2
Sep	9.4	6.2	2.9	1.3
Oct	8.9	5.5	2.4	.9
Nov	9.7	6.1	2.5	1.0
Dec	11.5	6.7	2.3	.8
Ann	125.0	80.4	31.1	11.7

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	.81	1.13	1.65	2.11	2.57	3.06	3.61	4.27	5.13	6.50	7.79
Feb	1.16	1.44	1.83	2.15	2.46	2.77	3.11	3.50	4.00	4.76	5.46
Mar	1.30	1.67	2.20	2.65	3.09	3.53	4.02	4.59	5.32	6.45	7.49
Apr	1.23	1.61	2.19	2.68	3.15	3.65	4.19	4.83	5.66	6.95	8.15
May	1.20	1.62	2.26	2.82	3.37	3.94	4.58	5.34	6.32	7.86	9.31
Jun	1.08	1.48	2.11	2.67	3.21	3.79	4.44	5.20	6.21	7.79	9.27
Jul	1.37	1.76	2.34	2.84	3.32	3.81	4.35	4.98	5.79	7.04	8.20
Aug	1.33	1.68	2.17	2.58	2.98	3.38	3.82	4.33	4.98	5.99	6.91
Sep	1.24	1.66	2.31	2.87	3.42	4.00	4.64	5.40	6.38	7.93	9.37
Oct	1.08	1.40	1.87	2.27	2.66	3.06	3.50	4.02	4.68	5.71	6.66
Nov	1.30	1.65	2.16	2.58	2.99	3.41	3.87	4.40	5.08	6.14	7.11
Dec	.90	1.24	1.75	2.21	2.66	3.13	3.66	4.28	5.09	6.38	7.59
Ann	35.35	37.48	40.17	42.19	43.97	45.68	47.43	49.35	51.67	55.00	57.85

\+ 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

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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	13.4	11.7	4	2	20.4	1996	8	37.7	1996	31	1996	8	12+	1996	6.7	3.8	1.3	.6	.1	19.3	12.2	7.6	3.2
Feb	9.7	9.8	4	2	15.1	1972	19	23.9	1972	26	1978	7	18	1978	5.1	2.7	.9	.5	.1	16.8	12.6	9.6	4.7
Mar	7.0	6.1	2	#	13.5	1993	13	27.1	1993	23	1994	3	12	1994	3.4	2.3	.7	.4	.1	7.8	5.3	4.1	1.8
Apr	1.8	.1	#	0	15.1	1982	6	15.1	1982	15	1982	6	2	1982	.7	.3	.2	.1	@	.4	.2	.1	.1
May	#	.0	0	0	#	1977	9	#	1977	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	#	1980	1	#	1980	.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	.0	.0	#	0	.4	1972	19	.4	1972	#	1999	23	#	1999	@	.0	.0	.0	.0	.0	.0	.0	.0
Nov	2.7	.2	#	#	16.0	1971	25	16.7	1971	11	1971	25	1	1980	1.3	.7	.2	.1	@	1.5	.4	.2	@
Dec	7.7	7.2	1	#	16.8	2000	30	22.6	2000	15	2000	30	6	1981	4.5	2.5	.7	.3	.1	9.6	4.6	2.0	.3
Ann	42.3	35.1	N/A	N/A	20.4	Jan 1996	8	37.7	Jan 1996	31	Jan 1996	8	18	Feb 1978	21.7	12.3	4.0	2.0	.4	55.4	35.3	23.6	10.1

+ 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	5/28	5/24	5/20	5/17	5/15	5/12	5/09	5/06	5/01
32	5/18	5/13	5/10	5/07	5/05	5/02	4/30	4/26	4/22
28	5/02	4/29	4/26	4/23	4/21	4/19	4/16	4/13	4/10
24	4/17	4/13	4/10	4/07	4/05	4/02	3/31	3/28	3/24
20	4/06	4/03	3/31	3/29	3/27	3/25	3/23	3/20	3/17
16	3/30	3/26	3/23	3/21	3/18	3/16	3/14	3/11	3/07

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	9/17	9/21	9/23	9/25	9/27	9/29	10/01	10/04	10/07
32	9/27	10/01	10/04	10/07	10/09	10/12	10/14	10/17	10/21
28	10/05	10/10	10/14	10/17	10/20	10/23	10/26	10/30	11/04
24	10/18	10/24	10/29	11/01	11/05	11/08	11/12	11/16	11/22
20	10/30	11/06	11/10	11/14	11/18	11/21	11/25	11/30	12/06
16	11/19	11/24	11/27	12/01	12/03	12/06	12/09	12/13	12/18

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	151	145	142	138	135	132	128	124	119
32	172	167	163	160	157	154	150	147	141
28	203	195	190	186	182	177	173	168	160
24	235	227	222	217	213	209	204	199	191
20	257	249	244	239	235	231	226	221	214
16	277	271	267	263	259	256	252	247	241

***** 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	1200	1006	830	470	183	29	4	8	104	431	709	1050	6024
60	1045	866	675	323	85	4	0	0	34	288	559	895	4774
57	952	782	582	240	46	1	0	0	14	213	470	802	4102
55	890	726	520	191	28	0	0	0	7	169	411	740	3682
50	735	586	374	89	5	0	0	0	1	83	273	589	2735
32	254	170	43	0	0	0	0	0	0	0	14	158	639

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	77	88	236	520	867	1073	1249	1192	918	595	294	130	7239
55	0	0	0	20	182	383	536	479	235	50	2	0	1887
57	0	0	0	10	138	324	474	417	182	32	1	0	1578
60	0	0	0	3	84	237	381	324	112	14	0	0	1155
65	0	0	0	0	27	111	230	178	32	2	0	0	580
70	0	0	0	0	5	33	102	68	3	0	0	0	211

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	10	18	94	303	632	849	1021	965	696	362	128	21	10	28	122	425	1057	1906	2927	3892	4588	4950	5078	5099
45	0	5	49	183	479	699	866	810	547	227	65	6	0	5	54	237	716	1415	2281	3091	3638	3865	3930	3936
50	0	0	19	97	330	549	711	655	399	125	25	2	0	0	19	116	446	995	1706	2361	2760	2885	2910	2912
55	0	0	5	45	195	401	556	500	263	55	8	0	0	0	5	50	245	646	1202	1702	1965	2020	2028	2028
60	0	0	2	15	97	257	401	346	147	15	1	0	0	0	2	17	114	371	772	1118	1265	1280	1281	1281
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	3	12	69	203	392	556	689	647	433	217	71	10	3	15	84	287	679	1235	1924	2571	3004	3221	3292	3302

(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