

# Climatography of the United States

No. 20

1971-2000

Station: NEWCOMB, NY

COOP ID: 305714

Climate Division: NY 3

NWS Call Sign:

Elevation: 1,620 Feet Lat: 43° 58N

Lon: 74° 11W

## 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	23.8	2.2	13.0	57	1988	31	24.5	1990	-34	1997	19	4.5	1982	1613	0	.0	.0	.2	23.2	30.6	12.4
Feb	26.8	2.1	14.5	59+	2000	28	24.2	1998	-33	1993	7	3.2	1979	1417	0	.0	.0	.4	20.6	27.6	11.2
Mar	37.0	13.2	25.1	76+	1990	17	33.6	1973	-24	1995	3	17.6	1984	1238	0	.0	.0	4.9	9.6	30.0	4.8
Apr	48.7	27.8	38.3	88	1990	28	44.5	1987	4+	1995	6	30.8	1972	804	0	.0	.0	15.6	1.0	25.0	.0
May	63.1	39.4	51.3	87	1989	19	56.7	1998	19+	1985	9	45.3	1997	427	2	.0	.0	29.2	.0	8.1	.0
Jun	71.2	49.5	60.4	92+	1999	7	64.2	1976	25	1986	3	55.5	1985	158	18	.0	.2	29.9	.0	.7	.0
Jul	75.6	52.9	64.3	93	1988	8	68.6	1995	31	1985	24	60.7	2000	75	52	.0	.3	31.0	.0	@	.0
Aug	73.4	52.0	62.7	94	1988	3	67.2	1973	30+	1989	26	59.5	1982	104	33	.0	.2	31.0	.0	.3	.0
Sep	64.5	43.6	54.1	90	1999	5	58.5	1971	25	1989	27	51.1	1975	330	0	.0	@	29.4	.0	3.6	.0
Oct	53.8	33.2	43.5	80	1990	7	51.2	1971	12	1984	6	39.0	1988	667	0	.0	.0	21.2	.2	16.6	.0
Nov	39.9	23.8	31.9	69	1990	2	37.1	1999	-7+	2000	25	27.8	1995	994	0	.0	.0	6.3	6.1	25.8	.4
Dec	28.7	10.3	19.5	62	2001	6	27.1	1998	-31	1989	23	2.6	1989	1411	0	.0	.0	.9	18.2	30.1	6.8
Ann	50.5	29.2	39.9	94	Aug 1988	3	68.6	Jul 1995	-34	Jan 1997	19	2.6	Dec 1989	9238	105	.0	.7	200.0	78.9	198.4	35.6

+ 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: 1959-2001

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

060-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: NEWCOMB, NY**

**COOP ID: 305714**

**Climate Division: NY 3**

**NWS Call Sign:**

**Elevation: 1,620 Feet Lat: 43°58N**

**Lon: 74°11W**

### 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	3.16	2.98	1.99	1998	8	6.90	1998	.54	1981	17.1	7.9	1.9	.4	1.10	1.40	1.83	2.20	2.55	2.91	3.30	3.76	4.35	5.26	6.09	
Feb	2.50	2.43	1.50	1985	1	6.05	1981	.23	1978	13.0	6.3	1.3	.4	.75	.98	1.34	1.65	1.95	2.26	2.60	3.00	3.52	4.34	5.09	
Mar	2.97	2.92	2.06	1985	5	4.81	1977	1.11	1981	13.8	7.2	1.8	.3	1.44	1.69	2.04	2.32	2.58	2.84	3.11	3.43	3.82	4.41	4.94	
Apr	3.15	3.08	2.00	1968	25	7.07	2000	.54	1999	12.6	7.5	1.8	.4	1.13	1.42	1.85	2.21	2.56	2.91	3.29	3.74	4.31	5.19	6.00	
May	3.75	3.38	2.05	1969	20	6.79	1973	1.50	1980	13.4	8.4	2.6	.5	1.46	1.81	2.30	2.71	3.10	3.50	3.93	4.42	5.06	6.02	6.91	
Jun	3.66	3.26	2.82	1987	22	7.93	1972	.88	1995	13.7	8.8	2.2	.4	1.27	1.62	2.12	2.54	2.95	3.37	3.82	4.35	5.03	6.08	7.05	
Jul	4.11	4.01	2.71	2000	10	7.31	1995	1.53	1983	12.5	8.1	2.9	.8	1.75	2.12	2.64	3.07	3.47	3.87	4.31	4.81	5.44	6.41	7.28	
Aug	4.14	4.04	2.78	1989	4	8.35	1979	1.03	1999	13.0	8.2	2.9	1.1	1.78	2.16	2.68	3.11	3.51	3.91	4.34	4.84	5.47	6.43	7.30	
Sep	4.27	3.77	3.96	1985	6	8.62	1999	2.30	1972	13.2	8.0	2.7	.9	1.97	2.34	2.86	3.28	3.67	4.06	4.48	4.96	5.56	6.48	7.30	
Oct	3.61	3.45	2.46	1992	10	7.65	1995	.40	1994	13.4	7.9	2.2	.6	1.22	1.56	2.06	2.48	2.89	3.31	3.76	4.30	4.98	6.04	7.02	
Nov	3.86	3.95	3.80	1996	9	5.86	1983	1.78	1976	15.2	8.9	2.5	.6	2.04	2.36	2.78	3.11	3.42	3.72	4.05	4.41	4.87	5.54	6.15	
Dec	3.31	2.95	1.70	1996	2	7.13	1983	1.40+	1999	17.4	8.1	1.8	.4	1.26	1.57	2.01	2.38	2.72	3.08	3.46	3.91	4.48	5.35	6.15	
Ann	42.49	41.21	3.96	Sep 1985	6	8.62	Sep 1999	.23	Feb 1978	168.3	95.3	26.6	6.8	34.59	36.20	38.23	39.73	41.05	42.30	43.59	44.99	46.66	49.06	51.09	

+ 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: 1959-2001

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

Complete documentation available from:  
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**Climate Division: NY 3**

**NWS Call Sign:**

**Elevation: 1,620 Feet**

**Lat: 43° 58N**

**Lon: 74° 11W**

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	25.8	26.1	13	12	14.0	1986	26	44.0	1979	35+	1994	28	26	1994	15.5	9.0	2.6	1.1	.2	29.0	25.7	22.6	13.6
Feb	21.2	20.6	17	17	18.2	1995	5	42.6	1995	38	1971	25	33	1971	11.0	6.7	2.2	1.1	.3	27.4	26.1	24.6	21.4
Mar	16.7	17.1	14	12	20.0	1993	14	38.3	1999	53	1971	8	43	1971	8.9	5.2	2.1	1.2	.3	27.0	23.0	21.1	14.7
Apr	6.2	5.3	4	2	14.0	2000	10	22.2	2000	38	1971	2	26	1971	4.1	2.3	.7	.2	@	7.4	4.9	3.8	2.0
May	.1	.0	#	0	1.6	1986	4	1.6	1986	8	1976	20	1	1971	.1	@	.0	.0	.0	.2	.2	.1	.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	#	1992	30	#	1992	#	1992	30	#	1992	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.8	.0	#	#	5.0	1988	21	7.6	1988	5	1988	21	1	1976	.7	.3	@	@	.0	.8	.1	@	.0
Nov	11.1	10.9	1	1	7.5	1983	16	20.3	1997	11	1993	2	4	1997	7.1	3.9	1.2	.4	.0	10.6	4.7	2.3	.2
Dec	23.0	21.9	7	6	9.5	1972	16	43.9	1972	24	1997	31	16+	1995	14.2	7.9	2.7	.9	.0	26.4	19.1	15.0	6.2
Ann	104.9	101.9	N/A	N/A	20.0	Mar 1993	14	44.0	Jan 1979	53	Mar 1971	8	43	Mar 1971	61.6	35.3	11.5	4.9	.8	128.8	103.8	89.5	58.1

+ 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	7/04	6/27	6/22	6/18	6/14	6/09	6/05	5/31	5/24
32	6/18	6/12	6/07	6/02	5/29	5/25	5/21	5/16	5/09
28	5/29	5/24	5/21	5/18	5/15	5/12	5/09	5/06	5/01
24	5/08	5/05	5/02	4/30	4/28	4/26	4/24	4/21	4/18
20	5/03	4/28	4/25	4/22	4/20	4/17	4/15	4/11	4/07
16	4/24	4/19	4/16	4/14	4/11	4/09	4/06	4/03	3/30
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	8/16	8/22	8/26	8/30	9/03	9/06	9/10	9/14	9/21
32	8/30	9/05	9/10	9/13	9/17	9/20	9/24	9/28	10/04
28	9/17	9/22	9/25	9/28	9/30	10/03	10/06	10/09	10/14
24	10/02	10/08	10/12	10/15	10/19	10/22	10/25	10/29	11/04
20	10/12	10/18	10/22	10/26	10/29	11/01	11/05	11/09	11/15
16	10/22	10/28	11/01	11/05	11/09	11/12	11/16	11/20	11/26
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	110	100	92	86	80	74	68	61	51
32	138	128	121	115	110	104	98	91	81
28	158	151	146	142	138	134	129	124	117
24	195	187	182	177	173	168	164	158	151
20	215	207	201	196	192	187	182	176	168
16	236	227	221	216	211	206	200	194	185

\* 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:  
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Degree Days to Selected Base Temperatures (° F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1613	1417	1238	804	427	158	75	104	330	667	994	1411	9238
60	1458	1277	1083	654	284	64	15	28	190	512	844	1256	7665
57	1365	1193	990	564	210	30	4	9	120	423	754	1163	6825
55	1303	1137	928	506	166	16	0	3	83	364	694	1101	6301
50	1148	997	773	365	81	2	0	0	26	232	544	946	5114
32	601	506	270	43	0	0	0	0	0	8	99	426	1953

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	12	14	54	230	598	850	1000	952	661	364	94	38	4867
55	0	0	0	2	51	177	288	242	54	7	0	0	821
57	0	0	0	1	32	130	229	186	31	4	0	0	613
60	0	0	0	0	14	75	147	112	11	0	0	0	359
65	0	0	0	0	2	18	52	33	0	0	0	0	105
70	0	0	0	0	0	2	8	4	0	0	0	0	14

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	11	72	376	622	781	707	463	180	32	4	0	0	11	83	459	1081	1862	2569	3032	3212	3244	3248
45	0	0	3	31	242	472	626	552	317	91	12	0	0	0	3	34	276	748	1374	1926	2243	2334	2346	2346
50	0	0	0	12	132	328	471	399	190	39	3	0	0	0	0	12	144	472	943	1342	1532	1571	1574	1574
55	0	0	0	3	58	199	319	248	97	10	0	0	0	0	0	3	61	260	579	827	924	934	934	934
60	0	0	0	0	18	93	173	125	37	0	0	0	0	0	0	0	18	111	284	409	446	446	446	446
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	19	77	254	385	495	440	275	115	21	0	0	0	19	96	350	735	1230	1670	1945	2060	2081	2081

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