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: LAKE PLACID 2 S, NY **COOP ID: 304555**

Climate Division: NY 3 **NWS Call Sign:** **Elevation: 1,940 Feet** **Lat: 44˚15N** **Lon: 73˚59W**

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	27.4	5.1	16.3	62	1950	26	27.2	1990	-36	1957	15	5.6	1994	1512	0	.0	.0	.7	21.9	30.5	12.2
Feb	30.6	7.1	18.9	62+	2000	27	29.4	1981	-37	1979	11	8.0	1979	1293	0	.0	.0	1.5	18.1	27.3	10.3
Mar	40.0	16.5	28.3	78	1998	31	35.9	1973	-30	1984	11	20.5	1984	1140	0	.0	.0	5.9	9.5	28.5	4.6
Apr	51.9	28.1	40.0	86	1990	28	45.5	1991	-5	1982	7	32.8	1975	750	0	.0	.0	15.7	1.2	21.1	.1
May	65.7	39.3	52.5	90	1962	19	57.2+	1998	19+	1984	3	46.2	1997	391	4	.0	.0	28.3	@	8.7	.0
Jun	73.6	48.5	61.1	93	1953	22	65.2	1999	22	1961	7	56.7	1985	140	22	.0	.2	29.8	.0	1.2	.0
Jul	77.6	53.3	65.5	97	1953	19	68.6	1975	31	1992	2	60.6	1992	54	67	.0	.1	31.0	.0	@	.0
Aug	75.3	51.8	63.6	94	1948	27	67.1	1984	27	1976	31	61.1	1997	86	41	.0	.2	31.0	.0	.1	.0
Sep	67.1	44.2	55.7	92	1999	4	60.8	1971	19+	2000	29	52.7	1995	282	2	.0	@	29.2	.0	4.4	.0
Oct	56.1	34.0	45.1	87	1951	6	52.5	1971	11+	1988	31	40.7	1974	619	0	.0	.0	21.1	.3	15.7	.0
Nov	43.0	24.7	33.9	74	1950	2	39.2	1979	-11	1957	27	27.7	1976	936	0	.0	.0	7.5	6.2	24.7	.8
Dec	31.9	11.4	21.7	63	2001	6	28.8	1996	-31+	1993	27	5.1	1989	1344	0	.0	.0	1.7	17.5	29.7	8.1
Ann	53.4	30.3	41.9	97	Jul 1953	19	68.6	Jul 1975	-37	Feb 1979	11	5.1	Dec 1989	8547	136	.0	.5	203.4	74.7	191.9	36.1

\+ 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: 1948-2001

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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	2.67	2.46	2.45	1998	8	6.52	1998	.59	1981
Feb	2.00	1.87	2.43	1981	2	7.22	1981	.53	1980
Mar	2.77	3.01	1.86	1978	14	3.99	1989	1.22+	1996
Apr	2.85	2.88	2.52	2000	9	5.90	2000	.78	1999
May	3.33	3.43	2.48	1971	21	6.13	1976	1.04	1975
Jun	4.08	3.76	3.73	1998	26	11.05	1998	.86	1992
Jul	4.02	3.67	2.97	1961	3	7.22	1971	1.83	1979
Aug	4.23	4.53	2.68	1989	5	6.01	1989	1.77	1999
Sep	4.21	3.74	4.26	1999	17	8.98	1999	1.71	1988
Oct	3.49	3.58	2.29	1977	17	6.94	1995	.85	1994
Nov	3.41	3.29	3.52	1996	9	7.28	1996	1.39	1976
Dec	2.77	2.27	2.80	1952	12	6.58	1983	1.00	1989
Ann	39.83	39.75	4.26	Sep 1999	17	11.05	Jun 1998	.53	Feb 1980

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	16.5	7.1	1.5	.1
Feb	12.2	5.3	1.1	.2
Mar	13.6	7.1	1.5	.4
Apr	13.3	7.6	1.5	.3
May	14.4	9.4	1.9	.3
Jun	14.7	9.4	2.4	.7
Jul	12.5	9.0	2.7	.7
Aug	13.3	9.1	2.9	.8
Sep	12.8	8.7	2.4	.8
Oct	13.4	8.2	2.1	.7
Nov	15.3	8.0	1.8	.5
Dec	16.8	7.6	1.2	.2
Ann	168.8	96.5	23.0	5.7

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	.68	.94	1.32	1.67	2.01	2.36	2.76	3.23	3.85	4.82	5.73
Feb	.52	.71	1.00	1.26	1.51	1.77	2.07	2.41	2.87	3.58	4.25
Mar	1.32	1.56	1.89	2.15	2.40	2.65	2.91	3.21	3.58	4.15	4.66
Apr	1.09	1.36	1.74	2.05	2.35	2.65	2.98	3.36	3.84	4.59	5.27
May	1.20	1.52	1.97	2.35	2.71	3.08	3.48	3.95	4.55	5.47	6.32
Jun	1.25	1.63	2.21	2.71	3.19	3.69	4.24	4.89	5.73	7.03	8.24
Jul	1.95	2.29	2.77	3.14	3.49	3.84	4.22	4.64	5.17	5.98	6.70
Aug	2.23	2.58	3.04	3.41	3.75	4.08	4.44	4.84	5.34	6.08	6.75
Sep	1.88	2.26	2.78	3.20	3.59	3.99	4.42	4.90	5.52	6.45	7.29
Oct	1.35	1.67	2.14	2.52	2.88	3.25	3.65	4.11	4.70	5.60	6.42
Nov	1.62	1.91	2.32	2.65	2.95	3.25	3.58	3.95	4.41	5.11	5.74
Dec	1.05	1.31	1.68	1.99	2.28	2.58	2.90	3.27	3.75	4.48	5.15
Ann	31.94	33.54	35.55	37.05	38.37	39.62	40.90	42.31	43.99	46.39	48.44

\+ 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

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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	21.0	19.6	8	6	10.0	1990	30	32.5	1994	24+	1996	7	19	1994	12.4	8.7	2.5	.9	.1	28.3	23.9	17.4	10.3
Feb	18.8	16.6	10	8	12.0	1998	25	40.2	1972	28	1971	26	23	1971	9.5	6.9	2.0	.8	.3	24.5	20.8	16.5	9.7
Mar	19.5	16.0	9	5	20.0	1993	14	51.7	1971	47	1971	8	33	1971	7.6	6.1	1.9	.9	.2	19.1	14.9	11.9	7.7
Apr	8.5	7.5	2	#	15.0	2000	9	21.4	1997	28	1971	1	14	1971	3.7	2.6	1.1	.3	.2	5.4	3.7	2.7	2.1
May	.4	.0	#	0	2.0	1990	7	2.0+	1996	1	1994	2	#	1994	.3	.1	.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	#	1994	30	#+	1994	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	1.7	.4	#	0	6.0	1988	22	10.2	1988	6	1988	23	1	1988	1.6	.7	.1	.1	.0	.9	.1	.1	.0
Nov	13.8	14.2	2	2	14.0	1988	2	21.3	1971	16	1990	13	4	1990	7.2	4.6	1.6	.6	.1	10.8	6.5	3.1	.8
Dec	20.7	21.1	5	4	14.0	1997	30	36.5	2000	22	1997	31	12	1995	11.7	8.3	2.2	.8	.1	24.8	17.7	10.3	3.0
Ann	104.4	95.4	N/A	N/A	20.0	Mar 1993	14	51.7	Mar 1971	47	Mar 1971	8	33	Mar 1971	54.0	38.0	11.4	4.4	1.0	113.8	87.6	62.0	33.6

+ 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	7/22	7/14	7/08	7/03	6/28	6/23	6/18	6/12	6/04
32	6/22	6/17	6/13	6/10	6/07	6/04	6/01	5/28	5/23
28	6/04	5/30	5/27	5/24	5/21	5/18	5/15	5/11	5/06
24	5/19	5/15	5/11	5/09	5/06	5/03	5/01	4/27	4/23
20	5/01	4/28	4/26	4/24	4/23	4/21	4/19	4/17	4/14
16	4/24	4/20	4/17	4/15	4/13	4/10	4/08	4/05	4/01

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

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	91	79	71	63	57	50	42	34	22
32	116	109	104	100	95	91	87	82	74
28	145	138	134	130	127	123	119	115	109
24	173	166	161	157	153	149	145	140	133
20	196	190	186	182	179	175	171	167	161
16	221	215	210	206	202	198	195	190	183

***** 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)

Base — Heating Degree Days (1)

Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1512	1293	1140	750	391	140	54	86	282	619	936	1344	8547
60	1357	1153	985	601	253	53	8	20	150	466	786	1189	7021
57	1264	1069	892	512	183	23	1	5	89	378	696	1096	6208
55	1202	1013	830	454	142	12	0	1	59	321	636	1034	5704
50	1047	873	675	318	67	1	0	0	16	197	487	879	4560
32	509	396	198	29	0	0	0	0	0	6	84	371	1593

Base — Cooling Degree Days (1)

Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	20	27	81	269	635	872	1036	979	710	410	138	50	5227
55	0	0	0	4	64	194	323	267	79	12	0	0	943
57	0	0	0	2	43	146	262	209	49	6	0	0	717
60	0	0	0	0	20	85	176	130	20	2	0	0	433
65	0	0	0	0	4	22	67	41	2	0	0	0	136
70	0	0	0	0	0	2	12	6	0	0	0	0	20

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	1	2	25	104	375	613	764	708	447	191	43	3	1	3	28	132	507	1120	1884	2592	3039	3230	3273	3276
45	0	0	7	49	243	463	609	553	306	103	18	0	0	0	7	56	299	762	1371	1924	2230	2333	2351	2351
50	0	0	3	21	135	321	455	399	183	44	3	0	0	0	3	24	159	480	935	1334	1517	1561	1564	1564
55	0	0	0	8	64	191	304	252	93	16	0	0	0	0	0	8	72	263	567	819	912	928	928	928
60	0	0	0	1	27	93	165	132	39	1	0	0	0	0	0	1	28	121	286	418	457	458	458	458
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	0	0	21	79	250	388	486	440	270	121	29	0	0	0	21	100	350	738	1224	1664	1934	2055	2084	2084

(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

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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