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: CONKLINGVILLE DAM, NY **COOP ID: 301708**

Climate Division: NY 5 **NWS Call Sign:** **Elevation: 808 Feet** **Lat: 43˚19N** **Lon: 73˚56W**

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	29.4	7.6	18.5	60	1995	16	27.4	1990	-29+	1994	27	7.7	1994	1442	0	.0	.0	.7	19.2	30.3	9.1
Feb	32.5	9.2	20.9	61	1981	20	28.8	1984	-30	1979	18	11.6	1979	1237	0	.0	.0	1.1	13.9	27.0	7.0
Mar	41.5	20.5	31.0	80	1998	31	37.4	1973	-13	1984	10	25.8	1984	1054	0	.0	.0	6.1	5.4	27.7	1.5
Apr	53.4	32.1	42.8	86	1976	20	47.6	1986	7	1982	7	36.1	1975	667	0	.0	.0	18.8	.2	15.8	.0
May	66.7	44.1	55.4	90	1979	11	61.1	1998	27+	1981	7	50.0	1997	308	12	.0	@	30.1	.0	1.6	.0
Jun	74.3	53.0	63.7	92+	1988	16	66.5+	1983	30	1986	3	60.1	1980	83	44	.0	.3	30.0	.0	@	.0
Jul	78.8	58.0	68.4	95	1988	10	71.5	1988	43+	1979	4	64.6	1992	17	122	.0	.7	31.0	.0	.0	.0
Aug	76.8	56.5	66.7	91	2001	9	70.6	1973	35	1982	29	63.7	1982	36	88	.0	.2	31.0	.0	.0	.0
Sep	68.8	48.3	58.6	87+	1999	5	62.4	1999	28+	1980	29	55.8	1978	199	6	.0	.2	29.9	.0	.3	.0
Oct	57.7	37.1	47.4	82	1979	23	53.9	1971	17	1976	28	42.6	1974	545	0	.0	.0	25.5	.0	7.4	.0
Nov	45.6	28.4	37.0	75	1982	2	41.9	1999	4	1978	26	32.8	1976	840	0	.0	.0	9.4	1.7	20.7	@
Dec	33.8	16.0	24.9	67	1998	5	32.5	1998	-22	1980	25	8.3	1989	1244	0	.0	.0	1.4	12.5	29.6	2.9
Ann	54.9	34.2	44.6	95	Jul 1988	10	71.5	Jul 1988	-30	Feb 1979	18	7.7	Jan 1994	7672	272	.0	1.4	215.0	52.9	160.4	20.5

\+ 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

(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	3.92	3.53	2.53	1998	8	8.82	1979	.72	1981
Feb	2.86	2.71	2.02	1954	17	6.91	1981	.17	1987
Mar	4.08	3.91	2.70	1980	22	8.14	1977	1.08	1981
Apr	3.90	3.53	2.97	1990	4	8.15	1983	.92	1999
May	4.23	4.17	2.67	1984	29	8.71	1984	1.30	1980
Jun	4.07	3.81	2.99	1974	17	10.95	1998	1.04	1979
Jul	4.00	4.15	2.89	1979	27	7.69	1988	1.11	1993
Aug	4.00	3.28	3.54	1971	28	8.35	1992	1.65	1973
Sep	4.06	3.76	4.01	1999	17	8.15	1999	1.42	1984
Oct	3.60	3.12	3.10	1955	16	10.29	1995	.48	1994
Nov	4.07	4.17	2.90	1990	10	8.07	1972	1.60	1976
Dec	3.73	3.48	5.37	1948	31	8.30	1973	1.23	1999
Ann	46.52	45.94	5.37	Dec 1948	31	10.95	Jun 1998	.17	Feb 1987

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	14.4	7.4	2.8	.9
Feb	11.3	6.0	1.8	.6
Mar	12.3	7.6	2.9	1.0
Apr	11.9	7.9	2.7	.8
May	13.3	8.4	2.7	1.0
Jun	12.5	8.2	2.7	.9
Jul	11.2	7.0	3.1	1.1
Aug	10.9	6.8	2.8	1.1
Sep	11.1	7.1	2.7	.8
Oct	11.5	6.9	2.3	.9
Nov	12.7	7.8	2.6	1.0
Dec	13.6	7.8	2.6	.7
Ann	146.7	88.9	31.7	10.8

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	1.22	1.59	2.15	2.62	3.08	3.56	4.08	4.69	5.49	6.72	7.87
Feb	.71	.98	1.40	1.76	2.13	2.52	2.95	3.46	4.13	5.19	6.18
Mar	1.72	2.09	2.61	3.04	3.44	3.84	4.28	4.78	5.41	6.38	7.26
Apr	1.55	1.91	2.42	2.84	3.24	3.64	4.08	4.59	5.23	6.21	7.10
May	1.44	1.84	2.42	2.92	3.39	3.88	4.41	5.03	5.83	7.06	8.20
Jun	1.32	1.70	2.27	2.76	3.23	3.71	4.24	4.86	5.66	6.91	8.05
Jul	1.38	1.76	2.31	2.78	3.22	3.68	4.18	4.76	5.51	6.66	7.72
Aug	1.50	1.87	2.41	2.85	3.28	3.71	4.19	4.73	5.43	6.50	7.48
Sep	1.39	1.78	2.34	2.81	3.26	3.73	4.24	4.83	5.59	6.77	7.86
Oct	.97	1.31	1.83	2.29	2.74	3.21	3.73	4.35	5.16	6.42	7.60
Nov	1.87	2.23	2.72	3.12	3.49	3.87	4.27	4.73	5.30	6.17	6.96
Dec	1.23	1.58	2.10	2.54	2.97	3.41	3.89	4.46	5.18	6.30	7.34
Ann	36.69	38.67	41.17	43.03	44.67	46.24	47.85	49.60	51.71	54.74	57.32

\+ 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	21.8	21.2	10	10	30.0	1983	16	42.5	1994	39	1987	23	26	1987	9.8	5.7	2.5	1.2	.2	23.9	20.8	18.8	14.0
Feb	15.0	12.8	14	13	13.0	1995	5	38.7	1972	37	1987	1	31	1987	7.5	4.8	1.6	.7	.2	25.4	22.4	21.8	17.2
Mar	15.4	13.7	10	8	21.0	1994	4	39.8	1971	45	1994	4	29	1994	5.8	3.5	1.7	1.0	.4	21.0	18.8	17.0	12.9
Apr	3.4	1.5	1	#	7.5	1974	9	14.5	2000	20	1994	1	14	1994	1.3	1.2	.5	.2	.0	2.4	1.7	1.2	.4
May	.2	.0	#	0	1.8	1977	10	3.3	1977	1+	1977	10	#+	1977	.1	.1	.0	.0	.0	.1	.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	.0	.0	#	0	.5	1987	5	.5+	1988	#	1988	22	#	1988	.1	.0	.0	.0	.0	.0	.0	.0	.0
Nov	5.0	3.7	#	#	9.0	1971	25	20.5	1997	16	1997	16	4	1997	2.8	1.7	.5	.2	.0	3.8	1.8	.8	.2
Dec	17.4	16.3	4	4	16.0	1986	19	37.3	1972	20	1986	19	12	1977	7.5	4.6	1.7	1.1	.2	20.7	15.0	10.2	4.3
Ann	78.2	69.2	N/A	N/A	30.0	Jan 1983	16	42.5	Jan 1994	45	Mar 1994	4	31	Feb 1987	34.9	21.6	8.5	4.4	1.0	97.3	80.5	69.8	49.0

+ 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	6/04	5/29	5/25	5/22	5/18	5/15	5/11	5/07	5/02
32	5/22	5/16	5/12	5/09	5/06	5/03	4/29	4/25	4/20
28	5/05	5/01	4/28	4/25	4/22	4/20	4/17	4/14	4/10
24	4/22	4/18	4/15	4/12	4/10	4/07	4/04	4/01	3/28
20	4/14	4/10	4/07	4/04	4/01	3/30	3/27	3/24	3/20
16	4/08	4/04	4/01	3/30	3/27	3/25	3/23	3/20	3/16

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	9/15	9/19	9/23	9/26	9/28	10/01	10/04	10/07	10/12
32	9/26	10/01	10/05	10/08	10/11	10/14	10/17	10/21	10/26
28	10/04	10/10	10/15	10/19	10/22	10/26	10/30	11/03	11/09
24	10/19	10/25	10/28	11/01	11/04	11/07	11/10	11/14	11/20
20	11/02	11/07	11/11	11/14	11/17	11/20	11/23	11/27	12/02
16	11/08	11/14	11/17	11/21	11/24	11/27	11/30	12/04	12/09

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	154	146	141	136	132	128	123	118	111
32	181	173	167	162	158	153	148	142	134
28	208	199	193	187	182	177	171	165	156
24	231	223	217	212	208	203	198	192	184
20	252	244	238	233	229	224	219	213	205
16	263	255	250	245	241	236	232	226	219

***** 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	1442	1237	1054	667	308	83	17	36	199	545	840	1244	7672
60	1287	1097	899	519	186	23	0	4	88	395	690	1089	6277
57	1194	1013	806	431	128	8	0	0	46	310	600	996	5532
55	1132	957	744	375	96	3	0	0	27	257	540	934	5065
50	977	817	589	246	40	0	0	0	5	145	391	779	3989
32	446	336	132	11	0	0	0	0	0	2	38	297	1262

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	27	23	101	334	726	950	1129	1075	797	479	188	76	5905
55	0	0	0	7	109	264	416	362	135	21	0	0	1314
57	0	0	0	4	79	208	354	300	93	12	0	0	1050
60	0	0	0	1	44	133	261	211	45	5	0	0	700
65	0	0	0	0	12	44	122	88	6	0	0	0	272
70	0	0	0	0	2	6	35	20	0	0	0	0	63

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	1	29	150	492	723	889	835	570	263	65	5	1	2	31	181	673	1396	2285	3120	3690	3953	4018	4023
45	0	0	7	73	340	573	734	680	420	144	23	1	0	0	7	80	420	993	1727	2407	2827	2971	2994	2995
50	0	0	2	31	209	425	579	525	280	66	8	0	0	0	2	33	242	667	1246	1771	2051	2117	2125	2125
55	0	0	0	9	107	280	424	370	157	18	1	0	0	0	0	9	116	396	820	1190	1347	1365	1366	1366
60	0	0	0	0	44	152	273	225	73	2	0	0	0	0	0	0	44	196	469	694	767	769	769	769
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	0	0	21	104	286	442	581	532	330	146	33	1	0	0	21	125	411	853	1434	1966	2296	2442	2475	2476

(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