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: WESTFIELD 2 SSE, NY **COOP ID: 309189**

Climate Division: NY 9 **NWS Call Sign:** **Elevation: 707 Feet** **Lat: 42˚18N** **Lon: 79˚35W**

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	34.1	18.9	26.5	71	1950	25	36.7	1990	-16	1994	19	14.2	1977	1194	0	.0	.0	1.9	15.9	27.9	1.5
Feb	36.3	19.4	27.9	70	2000	27	37.3	1998	-19	1979	11	16.9	1978	1040	0	.0	.0	3.4	13.1	24.7	1.4
Mar	45.7	27.0	36.4	82+	1998	30	44.1	1973	-13	1980	2	29.0	1984	888	0	.0	.0	8.8	6.7	22.5	.2
Apr	57.2	37.4	47.3	90	1990	28	52.4	1985	13	1965	4	40.9	1975	532	1	.0	@	19.2	.6	9.8	.0
May	69.0	48.7	58.9	91	1998	19	67.3	1998	28+	1978	1	50.9	1997	240	49	.0	.1	29.5	.0	.1	.0
Jun	77.5	57.8	67.7	97	1999	13	71.0	1998	35	1972	11	63.2	1972	39	119	.0	1.1	30.0	.0	.0	.0
Jul	81.8	62.9	72.4	96	1988	16	76.9	1999	46	1966	21	68.9	2000	6	233	.0	1.6	31.0	.0	.0	.0
Aug	79.4	61.6	70.5	99	1999	1	73.5	1980	41+	1986	29	67.2	1982	9	179	.0	.6	31.0	.0	.0	.0
Sep	72.1	55.0	63.6	95	1953	3	68.6	1998	34	1956	20	59.5	1975	91	48	.0	.0	29.9	.0	.0	.0
Oct	60.9	44.6	52.8	87+	1951	4	59.4	1971	25	1965	29	47.0	1976	385	6	.0	.0	25.6	.0	1.3	.0
Nov	49.1	35.1	42.1	81	1950	1	47.7	1994	6	1976	30	35.0	1976	687	0	.0	.0	12.7	1.6	11.8	.0
Dec	38.8	25.2	32.0	72+	2001	5	39.9	1982	-8	1983	26	21.0	1989	1024	0	.0	.0	3.8	10.1	24.4	.2
Ann	58.5	41.1	49.8	99	Aug 1999	1	76.9	Jul 1999	-19	Feb 1979	11	14.2	Jan 1977	6135	635	.0	3.4	226.8	48.0	122.5	3.3

\+ 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: 1948-2001

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

Issue Date: February 2004

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: WESTFIELD 2 SSE, NY **COOP ID: 309189**

Climate Division: NY 9 **NWS Call Sign:** **Elevation: 707 Feet** **Lat: 42˚18N** **Lon: 79˚35W**

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	2.46	2.27	1.38	1993	4	4.33	1979	1.08	1992
Feb	2.20	1.87	2.09	1990	15	5.32	1990	.40	1987
Mar	2.98	2.86	2.07	1965	5	5.19	1985	1.33	1995
Apr	3.39	3.44	2.73	1977	23	5.73	1996	1.52	1975
May	3.65	3.32	2.21	1957	14	8.34	1989	.89	1987
Jun	4.37	4.07	4.29	1984	18	9.36	1986	.95	1988
Jul	4.15	4.07	3.36	1983	29	7.59	1977	1.33	1984
Aug	4.45	4.14	3.44	1970	23	8.61	1977	1.35	1996
Sep	5.30	5.00	6.10	1979	14	12.00	1977	1.69	1998
Oct	4.75	4.05	4.16	1954	15	8.28	1988	2.37	1994
Nov	4.42	4.06	3.38	1985	5	13.35	1985	1.52	1978
Dec	3.51	3.30	1.65+	1997	5	6.59	1990	1.70	1995
Ann	45.63	45.40	6.10	Sep 1979	14	13.35	Nov 1985	.40	Feb 1987

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	18.3	7.1	1.1	.1
Feb	14.3	6.3	.8	.3
Mar	15.5	7.6	1.8	.1
Apr	13.7	8.1	2.1	.5
May	12.6	7.9	2.2	.6
Jun	11.5	8.0	2.7	1.1
Jul	10.0	7.1	3.0	1.1
Aug	11.3	7.4	3.1	1.2
Sep	12.2	8.7	3.6	1.2
Oct	13.4	9.6	3.6	.9
Nov	16.4	10.0	2.8	.6
Dec	18.8	9.5	1.8	.3
Ann	168.0	97.3	28.6	8.0

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	1.07	1.29	1.60	1.85	2.09	2.33	2.58	2.88	3.25	3.82	4.33
Feb	.62	.83	1.14	1.42	1.68	1.97	2.28	2.64	3.12	3.87	4.56
Mar	1.31	1.58	1.95	2.25	2.53	2.82	3.12	3.47	3.91	4.59	5.19
Apr	1.60	1.90	2.30	2.63	2.93	3.24	3.56	3.93	4.39	5.10	5.73
May	1.21	1.55	2.06	2.49	2.91	3.33	3.80	4.35	5.05	6.14	7.15
Jun	1.34	1.75	2.37	2.90	3.42	3.95	4.54	5.24	6.13	7.53	8.82
Jul	1.80	2.17	2.69	3.12	3.51	3.92	4.35	4.84	5.47	6.42	7.27
Aug	1.97	2.37	2.92	3.37	3.79	4.22	4.67	5.19	5.85	6.84	7.74
Sep	1.78	2.28	3.01	3.64	4.24	4.85	5.53	6.32	7.33	8.90	10.34
Oct	2.17	2.59	3.17	3.64	4.07	4.51	4.98	5.52	6.19	7.21	8.13
Nov	1.61	2.03	2.62	3.13	3.60	4.09	4.62	5.24	6.03	7.25	8.36
Dec	1.90	2.18	2.55	2.85	3.12	3.39	3.67	4.00	4.39	4.99	5.52
Ann	35.07	37.18	39.84	41.84	43.60	45.29	47.02	48.92	51.21	54.50	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

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Services

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: WESTFIELD 2 SSE, NY **COOP ID: 309189**

Climate Division: NY 9 **NWS Call Sign:** **Elevation: 707 Feet** **Lat: 42°18N** **Lon: 79°35W**

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	22.1	20.1	6	4	10.8	1978	27	50.0	1978	25	1978	21	15	1994	14.9	7.2	2.1	.6	@	24.6	19.4	15.0	6.6
Feb	15.5	16.9	5	4	14.2	1979	26	27.6	1972	24	1977	5	16	1978	10.7	4.7	1.5	.5	.1	20.9	15.8	11.8	4.8
Mar	11.2	9.7	2	2	11.2	1984	29	27.5	1984	20+	1978	5	8	1978	7.8	3.5	1.1	.4	@	12.2	7.4	4.4	1.2
Apr	2.9	2.3	#	1	9.1	1982	6	11.0	1974	9	1982	6	1	1982	2.5	1.1	.2	.0	.0	1.6	.5	.2	.0
May	.3	#	#	0	7.9	1989	7	8.4	1989	1	1989	7	#	2000	.1	.0	.0	.0	.0	@	.0	.0	.0
Jun	.0	.0	#	0	.0	0	0	.0	0	0	0	0	#	1994	.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	.7	#	#	0	6.1	1974	20	6.2	1974	3	1974	20	#	2000	.5	.2	.1	.0	.0	.2	@	.0	.0
Nov	8.8	7.3	1	0	11.8	1979	29	25.0	1996	14	1979	29	2+	2000	4.9	2.8	.9	.4	.0	5.2	2.0	.9	.3
Dec	24.1	21.1	3	3	13.5	1997	5	64.4	1977	25+	1989	21	11	1989	11.8	6.2	2.5	1.1	.1	17.1	11.0	7.7	2.7
Ann	85.6	77.4	N/A	N/A	14.2	Feb 1979	26	64.4	Dec 1977	25+	Dec 1989	21	16	Feb 1978	53.2	25.7	8.4	3.0	.2	81.8	56.1	40.0	15.6

+ 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

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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: WESTFIELD 2 SSE, NY **COOP ID: 309189**

Climate Division: NY 9 **NWS Call Sign:** **Elevation: 707 Feet** **Lat: 42˚18N** **Lon: 79˚35W**

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	5/22	5/18	5/15	5/12	5/09	5/07	5/04	5/01	4/27
32	5/03	4/30	4/27	4/25	4/23	4/21	4/19	4/16	4/12
28	4/27	4/23	4/20	4/18	4/15	4/13	4/10	4/07	4/03
24	4/19	4/14	4/11	4/08	4/06	4/03	4/01	3/29	3/24
20	4/08	4/03	3/31	3/29	3/27	3/24	3/22	3/19	3/15
16	4/01	3/28	3/24	3/21	3/19	3/16	3/13	3/09	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	10/02	10/07	10/11	10/14	10/17	10/20	10/23	10/27	11/01
32	10/14	10/19	10/22	10/25	10/28	10/31	11/03	11/07	11/12
28	10/28	11/02	11/05	11/08	11/11	11/13	11/16	11/20	11/24
24	11/08	11/13	11/16	11/19	11/22	11/25	11/28	12/01	12/06
20	11/17	11/23	11/27	11/30	12/04	12/07	12/10	12/14	12/20
16	11/27	12/03	12/07	12/10	12/13	12/16	12/20	12/24	12/29

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	179	172	167	163	160	156	152	147	140
32	209	202	196	192	188	183	179	174	166
28	229	222	217	213	209	205	200	195	188
24	252	244	239	234	229	225	220	214	207
20	268	263	258	255	251	248	244	240	234
16	289	282	277	273	269	265	261	256	249

***** 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:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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: WESTFIELD 2 SSE, NY **COOP ID: 309189**

Climate Division: NY 9 **NWS Call Sign:** **Elevation: 707 Feet** **Lat: 42˚18N** **Lon: 79˚35W**

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	1194	1040	888	532	240	39	6	9	91	385	687	1024	6135
60	1039	900	733	387	144	9	0	0	29	250	537	869	4897
57	946	816	640	306	99	3	0	0	12	181	449	776	4228
55	884	760	582	256	74	2	0	0	6	141	392	714	3811
50	732	621	438	148	31	0	0	0	1	67	261	569	2868
32	267	205	84	3	0	0	0	0	0	0	17	156	732

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	95	89	220	462	832	1070	1251	1193	947	643	320	155	7277
55	0	0	4	25	193	382	538	480	263	72	6	0	1963
57	0	0	0	15	156	323	476	418	209	49	2	0	1648
60	0	0	0	6	108	239	383	325	136	25	0	0	1222
65	0	0	0	1	49	119	233	179	48	6	0	0	635
70	0	0	0	0	18	40	109	69	8	0	0	0	244

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	19	77	233	557	805	981	925	690	383	139	34	10	29	106	339	896	1701	2682	3607	4297	4680	4819	4853
45	4	7	46	140	406	655	826	770	541	246	71	11	4	11	57	197	603	1258	2084	2854	3395	3641	3712	3723
50	0	0	21	76	273	505	671	615	393	140	30	3	0	0	21	97	370	875	1546	2161	2554	2694	2724	2727
55	0	0	8	41	163	360	516	460	256	68	11	0	0	0	8	49	212	572	1088	1548	1804	1872	1883	1883
60	0	0	3	15	85	228	361	308	143	24	2	0	0	0	3	18	103	331	692	1000	1143	1167	1169	1169
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	3	9	48	125	315	511	661	612	410	184	58	9	3	12	60	185	500	1011	1672	2284	2694	2878	2936	2945

(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/normals/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.
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