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: LITTLE FALLS CITY RSVR, NY **COOP ID: 304791**

Climate Division: NY 6 **NWS Call Sign:** **Elevation: 900 Feet** **Lat: 43˚04N** **Lon: 74˚52W**

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	26.3	9.1	17.7	67	1950	4	29.7	1990	-29	1976	23	9.1	1994	1466	0	.0	.0	.9	20.5	29.9	8.2
Feb	28.7	10.4	19.6	60	1994	21	27.9	1981	-30	1943	15	8.1	1979	1273	0	.0	.0	1.4	15.6	27.1	6.2
Mar	38.4	19.9	29.2	82	1945	28	36.4	1973	-17	1980	1	21.6	1984	1112	0	.0	.0	5.9	6.7	27.2	1.5
Apr	51.7	31.5	41.6	88	1962	28	47.4	1987	1	1972	7	34.8	1975	702	0	.0	.0	18.0	.4	16.4	.0
May	65.7	42.8	54.3	96	1945	22	60.5	1998	19	1966	10	49.5	1997	343	10	.0	.0	29.9	.0	2.3	.0
Jun	74.7	52.0	63.4	95	1933	29	67.1	1999	30+	1945	1	57.4	1985	104	54	.0	.6	30.0	.0	.0	.0
Jul	79.5	56.6	68.1	99	1936	9	71.2	1988	40+	1979	4	64.6	1992	21	115	.0	1.7	31.0	.0	.0	.0
Aug	77.2	54.7	66.0	97	1933	1	71.2	1973	32	1982	29	60.8	1982	58	87	.0	.6	31.0	.0	@	.0
Sep	69.3	46.9	58.1	96	1953	3	62.3	1999	23	1974	24	54.8	1978	215	8	.0	.2	30.0	.0	1.3	.0
Oct	57.4	36.3	46.9	86	1927	2	54.0	1971	11	1972	20	41.2	1976	563	0	.0	.0	24.9	.0	10.5	.0
Nov	44.5	27.8	36.2	78	1982	3	41.2	1982	-7	1933	16	29.9	1976	866	0	.0	.0	9.3	3.0	21.6	.0
Dec	32.2	16.7	24.5	67	1932	7	33.3	1998	-26	1942	20	8.5	1989	1257	0	.0	.0	2.0	13.9	29.4	3.2
Ann	53.8	33.7	43.8	99	Jul 1936	9	71.2+	Jul 1988	-30	Feb 1943	15	8.1	Feb 1979	7980	274	.0	3.1	214.3	60.1	165.7	19.1

\+ 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: 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	2.72	2.56	1.78	1959	21	5.15	1998	.88	1980
Feb	2.27	2.39	1.84	1954	17	5.48	1971	.61	1987
Mar	2.86	2.86	1.98	1994	4	5.15	1994	.77	1981
Apr	3.53	3.26	1.97	1960	24	9.22	1983	.82	1999
May	3.79	3.41	2.05	2001	24	8.02	1990	.97	1980
Jun	4.44	4.01	2.76	1982	30	8.58	1972	1.15	1979
Jul	4.13	3.81	3.35	1935	8	7.94	1971	1.11	1973
Aug	3.69	3.44	3.95	1949	29	7.56	1975	1.29	1973
Sep	4.29	4.12	2.43	1985	28	9.66	1977	1.93	1994
Oct	3.37	3.06	2.98	1932	6	7.26	1976	.57	1994
Nov	4.08	4.14	3.00	1996	9	7.48	1972	1.43	1976
Dec	2.85	2.52	2.17	1952	11	6.80	1973	.78	1989
Ann	42.02	42.47	3.95	Aug 1949	29	9.66	Sep 1977	.57	Oct 1994

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	14.5	7.6	1.3	.3
Feb	10.9	6.0	1.0	.2
Mar	11.7	7.3	1.5	.4
Apr	11.8	7.8	2.0	.6
May	12.5	8.4	2.5	.5
Jun	12.2	8.5	2.8	.7
Jul	10.5	7.3	2.5	.9
Aug	10.2	6.4	1.8	.6
Sep	11.0	7.8	2.9	1.0
Oct	12.1	7.8	2.0	.5
Nov	11.9	7.6	2.3	.7
Dec	14.6	7.5	1.5	.2
Ann	143.9	90.0	24.1	6.6

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	.96	1.22	1.59	1.90	2.20	2.51	2.84	3.23	3.73	4.51	5.22
Feb	.72	.94	1.26	1.53	1.79	2.07	2.36	2.71	3.17	3.87	4.51
Mar	1.22	1.48	1.84	2.14	2.42	2.70	3.00	3.35	3.78	4.45	5.05
Apr	1.36	1.68	2.15	2.54	2.91	3.29	3.69	4.17	4.77	5.69	6.53
May	1.39	1.74	2.25	2.68	3.09	3.51	3.96	4.49	5.16	6.20	7.15
Jun	1.76	2.17	2.75	3.23	3.69	4.15	4.65	5.22	5.96	7.08	8.10
Jul	1.49	1.88	2.44	2.91	3.36	3.82	4.32	4.90	5.64	6.79	7.84
Aug	1.59	1.92	2.39	2.77	3.13	3.49	3.87	4.32	4.88	5.74	6.51
Sep	2.08	2.45	2.95	3.36	3.73	4.10	4.50	4.95	5.52	6.38	7.14
Oct	1.20	1.52	1.98	2.36	2.73	3.11	3.52	3.99	4.61	5.55	6.41
Nov	1.96	2.31	2.79	3.18	3.54	3.90	4.28	4.72	5.27	6.09	6.83
Dec	1.06	1.33	1.71	2.03	2.34	2.65	2.98	3.37	3.87	4.64	5.34
Ann	33.13	34.93	37.18	38.87	40.35	41.77	43.22	44.81	46.72	49.45	51.79

\+ 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)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	27.3	25.4	12	8
Feb	14.8	14.0	14	9
Mar	9.4	7.0	6	4
Apr	3.4	1.3	#	#
May	.2	.0	#	0
Jun	.0	.0	0	0
Jul	.0	.0	0	0
Aug	.0	.0	0	0
Sep	.0	.0	0	0
Oct	.1	.0	#	0
Nov	3.8	3.0	1	#
Dec	16.6	17.5	4	3
Ann	75.6	68.2	N/A	N/A

Extremes (2)

Month	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year
Jan	14.0	1987	23	63.0	1994	53	1971	31	40	1971
Feb	21.5	1995	5	23.1	1971	62	1971	17	56	1971
Mar	24.0	1994	4	27.5	1996	46	1993	15	31	1993
Apr	12.5	1983	20	19.5	1983	12	1983	21	2	1994
May	2.0	1977	9	2.5	1976	2	1977	9	#+	1996
Jun	.0	0	0	.0	0	0	0	0	0	0
Jul	.0	0	0	.0	0	0	0	0	0	0
Aug	.0	0	0	.0	0	0	0	0	0	0
Sep	.0	0	0	.0	0	0	0	0	0	0
Oct	2.0	1988	23	3.0	1988	2	1988	23	#+	1988
Nov	10.0	1987	7	12.5	1987	14	1997	16	5	1997
Dec	10.0	1978	25	28.5	1983	20	1978	27	10+	1995
Ann	24.0	Mar 1994	4	63.0	Jan 1994	62	Feb 1971	17	56	Feb 1971

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	9.9	7.7	2.8	1.2	.3
Feb	6.0	5.2	1.8	.6	.1
Mar	4.6	3.8	1.2	.4	.1
Apr	1.3	.9	.4	.2	@
May	.2	.2	.0	.0	.0
Jun	.0	.0	.0	.0	.0
Jul	.0	.0	.0	.0	.0
Aug	.0	.0	.0	.0	.0
Sep	.0	.0	.0	.0	.0
Oct	.1	.1	.0	.0	.0
Nov	2.3	1.7	.4	.1	@
Dec	7.4	6.0	2.1	.6	@
Ann	31.8	25.6	8.7	3.1	.5

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	25.5	22.2	18.5	13.9
Feb	24.6	23.1	20.3	16.0
Mar	11.1	9.7	6.4	3.3
Apr	2.2	1.3	.8	.1
May	.1	.0	.0	.0
Jun	.0	.0	.0	.0
Jul	.0	.0	.0	.0
Aug	.0	.0	.0	.0
Sep	.0	.0	.0	.0
Oct	.1	.0	.0	.0
Nov	3.5	1.8	.7	.0
Dec	16.9	12.5	6.9	1.9
Ann	84.0	70.6	53.6	35.2

+ 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	6/11	6/06	6/02	5/29	5/26	5/23	5/19	5/15	5/10
32	5/21	5/17	5/14	5/12	5/09	5/07	5/05	5/02	4/28
28	5/07	5/03	4/30	4/28	4/26	4/23	4/21	4/18	4/14
24	4/29	4/24	4/21	4/18	4/16	4/13	4/10	4/07	4/03
20	4/20	4/16	4/13	4/10	4/07	4/05	4/02	3/30	3/26
16	4/10	4/06	4/03	3/31	3/29	3/27	3/24	3/22	3/18

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

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	134	126	121	117	113	109	104	99	92
32	156	151	147	143	140	137	133	129	124
28	186	180	175	171	167	163	159	154	147
24	215	207	201	196	191	187	182	176	168
20	236	228	222	217	212	207	202	196	188
16	256	247	241	236	232	227	222	216	207

***** 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	1466	1273	1112	702	343	104	21	58	215	563	866	1257	7980
60	1311	1133	957	553	215	38	1	12	101	414	716	1102	6553
57	1218	1049	864	467	153	16	0	3	56	329	626	1009	5790
55	1156	993	802	411	118	9	0	1	35	277	566	947	5315
50	1001	853	648	282	53	1	0	0	8	166	418	792	4222
32	468	373	184	24	0	0	0	0	0	5	52	302	1408

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	25	24	95	312	690	940	1118	1052	782	465	176	68	5747
55	0	0	0	9	94	259	405	340	127	25	0	0	1259
57	0	0	0	5	68	207	343	281	88	15	0	0	1007
60	0	0	0	2	37	138	251	197	44	6	0	0	675
65	0	0	0	0	10	54	115	87	8	0	0	0	274
70	0	0	0	0	1	12	32	24	0	0	0	0	69

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	4	38	159	477	719	894	828	559	254	66	7	1	5	43	202	679	1398	2292	3120	3679	3933	3999	4006
45	0	0	12	85	335	569	739	673	412	146	26	2	0	0	12	97	432	1001	1740	2413	2825	2971	2997	2999
50	0	0	6	40	206	423	584	518	276	67	10	0	0	0	6	46	252	675	1259	1777	2053	2120	2130	2130
55	0	0	1	15	111	280	429	365	155	21	2	0	0	0	1	16	127	407	836	1201	1356	1377	1379	1379
60	0	0	0	3	49	160	275	220	74	2	0	0	0	0	0	3	52	212	487	707	781	783	783	783
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	0	0	24	106	289	450	579	530	337	146	39	3	0	0	24	130	419	869	1448	1978	2315	2461	2500	2503

(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