

Climatography of the United States No. 20

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: OGDENSBURG 4 NE, NY

1971-2000

COOP ID: 306164

Climate Division: NY 8

NWS Call Sign:

Elevation: 280 Feet

Lat: 44°44N

Lon: 75°27W

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	24.1	5.9	15.0	66	1995	16	27.2	1990	-32	1935	31	4.0	1994	1550	0	.0	.0	.7	20.7	30.0	10.6
Feb	27.1	7.9	17.5	61	2000	28	28.6	1998	-32	1943	15	5.8	1979	1330	0	.0	.0	.9	16.9	26.9	7.8
Mar	38.3	20.3	29.3	81	1977	30	38.6	1973	-24	1938	4	20.9	1984	1107	0	.0	.0	5.5	6.7	26.5	1.7
Apr	51.8	33.5	42.7	86	1931	22	48.4	1987	3+	1995	5	36.3	1972	670	0	.0	.0	18.9	.3	13.8	.0
May	65.1	45.5	55.3	89	1977	21	61.3	1998	20	1981	17	48.9	1974	312	11	.0	.0	30.3	.0	1.4	.0
Jun	75.2	54.2	64.7	96	1994	18	68.2	1999	33+	1980	9	60.1	1985	75	66	.0	.9	30.0	.0	.0	.0
Jul	80.2	60.0	70.1	98+	1931	2	73.8	1993	40	1962	2	66.2	1976	11	169	.0	1.6	31.0	.0	.0	.0
Aug	77.8	57.0	67.4	99+	1975	2	72.7	1973	35	1976	31	63.6	1982	37	112	.0	.9	31.0	.0	.0	.0
Sep	68.5	48.8	58.7	96	1946	8	63.9	1999	21	1965	28	54.2	1981	207	15	.0	.3	29.8	.0	.8	.0
Oct	56.4	38.5	47.5	82+	1979	23	54.9	1971	14	1972	20	40.5	1981	545	1	.0	.0	24.7	.0	8.1	.0
Nov	43.0	28.3	35.7	75+	1971	2	42.1	1999	-11	1957	27	29.9	1995	880	0	.0	.0	9.0	3.0	19.0	.1
Dec	30.2	14.5	22.4	68	1941	6	30.2	1998	-42	1933	29	3.0	1989	1322	0	.0	.0	1.6	14.6	28.1	4.8
Ann	53.1	34.5	43.9	99+	Aug 1975	2	73.8	Jul 1993	-42	Dec 1933	29	3.0	Dec 1989	8046	374	.0	3.7	213.4	62.2	154.6	25.0

+ 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

Issue Date: February 2004

(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

066-A

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Elevation: 280 Feet Lat: 44°44N

Lon: 75°27W

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	2.51	2.37	1.92	1951	7	5.95	1998	.90	1988	11.6	7.0	1.2	.2	.84	1.08	1.43	1.72	2.00	2.30	2.61	2.99	3.46	4.20	4.88
Feb	2.02	1.91	1.98	1984	28	4.81	1988	.05	1978	8.9	5.6	1.0	.2	.44	.62	.92	1.19	1.45	1.74	2.06	2.45	2.96	3.77	4.54
Mar	2.18	2.10	1.53	1962	13	5.24	1999	.76	1995	9.5	6.1	1.1	.2	.74	.94	1.25	1.50	1.75	2.00	2.27	2.59	3.01	3.64	4.23
Apr	2.73	2.70	2.18	2000	9	5.42	2000	.49	1999	11.1	7.6	1.7	.2	.92	1.17	1.55	1.88	2.19	2.50	2.85	3.26	3.78	4.59	5.34
May	2.83	2.79	1.92	1943	12	5.11	1976	.78	1998	12.6	7.6	1.3	.3	1.03	1.29	1.67	2.00	2.30	2.61	2.95	3.35	3.86	4.64	5.35
Jun	3.15	3.04	2.37	1969	24	5.87	1976	.75	1991	11.9	6.9	1.8	.4	1.24	1.53	1.95	2.29	2.62	2.95	3.30	3.71	4.24	5.04	5.77
Jul	3.07	2.97	3.65	1970	12	5.51	1986	.52	1983	10.6	6.9	1.8	.5	1.13	1.42	1.83	2.18	2.50	2.84	3.21	3.63	4.17	5.00	5.77
Aug	3.65	3.54	3.00	1959	10	8.48	1986	1.00	1987	11.3	6.8	2.4	.9	1.38	1.72	2.21	2.62	3.00	3.40	3.82	4.32	4.95	5.91	6.80
Sep	3.84	3.57	5.04	1979	14	6.90	1979	1.39	1984	12.1	7.5	2.2	.6	1.77	2.11	2.58	2.95	3.30	3.65	4.03	4.46	5.00	5.81	6.55
Oct	2.93	3.05	3.00	1926	21	5.10	1972	.50	1984	12.7	7.0	1.5	.3	.86	1.14	1.56	1.92	2.27	2.64	3.05	3.52	4.14	5.11	6.01
Nov	3.12	3.37	2.85	1927	17	5.06	1994	.96	1991	12.4	7.2	1.8	.3	1.35	1.63	2.02	2.34	2.64	2.94	3.27	3.64	4.11	4.83	5.48
Dec	2.73	2.46	1.80	1993	21	5.83	1990	1.06	1986	11.5	7.2	1.3	.3	.99	1.24	1.61	1.93	2.22	2.52	2.85	3.24	3.73	4.48	5.17
Ann	34.76	35.82	5.04	Sep 1979	14	8.48	Aug 1986	.05	Feb 1978	136.2	83.4	19.1	4.4	27.82	29.23	30.99	32.31	33.46	34.57	35.69	36.92	38.40	40.51	42.32

+ 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: 1926-2001

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

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Climate Division: NY 8

NWS Call Sign:

Elevation: 280 Feet

Lat: 44° 44N

Lon: 75° 27W

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	13.5	13.3	6	5	8.0	1990	30	31.3	1994	32	1978	21	19+	1994	6.2	5.3	1.3	.4	.0	24.9	18.1	13.3	5.0
Feb	10.9	11.7	9	6	10.0	1984	28	30.0	1988	40	1971	25	26	1978	5.2	4.5	1.2	.4	@	24.7	18.5	13.9	5.1
Mar	7.8	7.0	6	3	24.0	1993	14	24.0	1993	60	1971	11	36	1971	3.0	2.6	1.0	.3	@	15.0	10.3	5.7	1.3
Apr	2.4	.8	#	#	7.0	1994	7	9.0	1994	10	1975	4	8	1972	1.1	1.0	.3	.1	.0	1.6	.5	.2	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.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	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	2.0	1988	22	2.0	1988	2	1993	31	#+	1997	.1	.1	.0	.0	.0	.1	.0	.0	.0
Nov	4.1	3.0	#	#	7.0	1989	18	12.0	1989	7	1989	19	1	1997	1.7	1.5	.3	.1	.0	3.0	1.1	.2	.0
Dec	13.6	12.1	3	3	10.0	1977	21	25.0	1985	24	1977	22	10	1977	5.8	4.9	1.7	.2	@	17.2	10.9	5.4	2.1
Ann	52.5	47.9	N/A	N/A	24.0	Mar 1993	14	31.3	Jan 1994	60	Mar 1971	11	36	Mar 1971	23.1	19.9	5.8	1.5	@	86.5	59.4	38.7	13.5

+ 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:

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Climate Division: NY 8

NWS Call Sign:

Elevation: 280 Feet

Lat: 44° 44N

Lon: 75° 27W

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	6/08	6/01	5/27	5/22	5/19	5/15	5/10	5/05	4/28
32	5/18	5/13	5/09	5/06	5/03	5/01	4/27	4/24	4/19
28	5/07	5/02	4/28	4/25	4/22	4/19	4/16	4/13	4/08
24	4/28	4/22	4/18	4/15	4/11	4/08	4/05	4/01	3/26
20	4/20	4/14	4/10	4/07	4/04	4/01	3/28	3/24	3/19
16	4/08	4/03	3/31	3/28	3/25	3/23	3/20	3/17	3/12
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	9/09	9/14	9/18	9/21	9/24	9/27	9/30	10/03	10/09
32	9/21	9/25	9/28	9/30	10/02	10/05	10/07	10/10	10/14
28	9/26	10/01	10/04	10/07	10/09	10/12	10/15	10/18	10/23
24	10/09	10/15	10/20	10/24	10/28	11/01	11/04	11/09	11/16
20	10/27	11/01	11/05	11/09	11/12	11/15	11/18	11/22	11/28
16	11/07	11/11	11/15	11/17	11/20	11/22	11/25	11/28	12/03
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	152	144	138	132	128	123	117	111	103
32	169	163	158	155	151	148	144	140	134
28	189	182	177	173	169	165	161	156	150
24	227	217	210	204	199	193	187	180	170
20	245	237	231	226	221	216	211	205	197
16	260	252	247	243	239	235	230	225	218

* 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/normal/usnormals.html

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Climate Division: NY 8

NWS Call Sign:

Elevation: 280 Feet Lat: 44° 44N Lon: 75° 27W

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	1550	1330	1107	670	312	75	11	37	207	545	880	1322	8046
60	1395	1190	952	521	188	22	0	6	101	397	730	1167	6669
57	1302	1106	859	434	129	8	0	1	59	313	640	1074	5925
55	1240	1050	797	378	96	4	0	0	39	262	580	1012	5458
50	1085	910	643	250	40	0	0	0	10	154	431	857	4380
32	555	430	184	15	0	0	0	0	0	3	57	374	1618

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	28	24	100	335	722	981	1181	1098	798	482	168	75	5992
55	0	0	0	8	105	294	468	385	147	29	0	0	1436
57	0	0	0	4	76	239	406	324	107	18	0	0	1174
60	0	0	0	1	42	163	313	236	60	8	0	0	823
65	0	0	0	0	11	66	169	112	15	1	0	0	374
70	0	0	0	0	1	16	65	35	1	0	0	0	118

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	2	0	38	171	526	774	958	882	598	283	73	7	2	2	40	211	737	1511	2469	3351	3949	4232	4305	4312
45	0	0	16	91	379	624	803	727	450	169	34	2	0	0	16	107	486	1110	1913	2640	3090	3259	3293	3295
50	0	0	5	39	239	474	648	572	305	87	11	0	0	0	5	44	283	757	1405	1977	2282	2369	2380	2380
55	0	0	2	15	131	328	493	418	182	38	1	0	0	0	2	17	148	476	969	1387	1569	1607	1608	1608
60	0	0	0	4	57	193	339	269	86	8	0	0	0	0	0	4	61	254	593	862	948	956	956	956
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	26	105	309	487	644	577	356	153	39	2	0	0	26	131	440	927	1571	2148	2504	2657	2696	2698

(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.
Complete documentation for the 1971-2000 Normals is available on the internet from:
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">a. Temperature/ Precipitation Tables<ol style="list-style-type: none">1. 1971-2000 Monthly Normals2. Cooperative Summary of the Day3. National Weather Service station records4. 1971-2000 serially complete daily datab. Degree Day Table<ol style="list-style-type: none">1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data | <ol style="list-style-type: none">c. Snow Tables<ol style="list-style-type: none">1. Snow Climatology2. Cooperative Summary of the Dayd. Freeze Data Table
1971-2000 serially complete daily data |
|---|---|

References

U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normal.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normal/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