

Climatography of the United States

No. 20

1971-2000

Station: BRIDGEHAMPTON, NY

COOP ID: 300889

Climate Division: NY 4

NWS Call Sign:

Elevation: 60 Feet

Lat: 40° 57N

Lon: 72° 18W

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	39.0	22.9	31.0	66	1932	14	37.3	1998	-11	1984	22	23.2	1981	1055	0	.0	.0	4.6	8.1	26.0	.2
Feb	39.9	24.5	32.2	63+	1991	5	38.4	1984	-12	1934	9	23.1	1979	919	0	.0	.0	3.9	6.5	22.3	.1
Mar	47.0	30.6	38.8	79	1990	13	43.5	1973	6+	1984	11	34.3	1996	811	0	.0	.0	11.1	1.1	18.4	.0
Apr	56.0	38.6	47.3	85	1976	17	50.9	1976	14	1982	7	44.1	1972	532	0	.0	.0	23.9	@	5.7	.0
May	66.0	47.8	56.9	93	1987	30	60.8	1991	29	1992	20	54.1	1997	255	4	.0	.1	30.8	.0	.4	.0
Jun	75.0	57.2	66.1	95+	1988	15	68.7	1973	36	1944	5	62.1	1982	44	77	.0	.4	30.0	.0	.0	.0
Jul	81.1	63.3	72.2	102	1991	21	76.3	1994	46	1945	12	68.8	2000	2	226	.1	2.1	31.0	.0	.0	.0
Aug	80.1	62.6	71.4	100	1948	26	74.1	1973	41	1986	30	67.6	1982	7	202	.0	.8	31.0	.0	.0	.0
Sep	73.4	55.2	64.3	94	1953	2	68.9	1971	35+	1989	28	61.9	1978	70	50	.0	.2	30.0	.0	.0	.0
Oct	63.4	44.3	53.9	88	1941	6	60.2	1971	22	1966	31	49.8	1988	348	4	.0	.0	30.2	.0	2.5	.0
Nov	53.6	36.6	45.1	73+	1990	3	50.5	1975	10	1989	24	40.6	1976	598	0	.0	.0	19.7	.1	10.6	.0
Dec	44.2	27.9	36.1	70+	1998	7	40.9	1984	-6	1942	20	24.9	1989	897	0	.0	.0	8.4	3.5	21.6	.1
Ann	59.9	42.6	51.3	102	Jul 1991	21	76.3	Jul 1994	-12	Feb 1934	9	23.1	Feb 1979	5538	563	.1	3.6	254.6	19.3	107.5	.4

+ 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

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1930-2001

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

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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: BRIDGEHAMPTON, NY

COOP ID: 300889

Climate Division: NY 4

NWS Call Sign:

Elevation: 60 Feet

Lat: 40°57N

Lon: 72°18W

Precipitation (inches)

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	4.67	4.56	3.09	1979	21	11.84	1979	.85	1981	9.8	7.6	3.7	1.4	1.36	1.81	2.47	3.05	3.61	4.20	4.85	5.61	6.60	8.14	9.58
Feb	3.75	3.30	3.28	1934	20	6.77	1971	1.06	1980	9.4	6.3	2.7	.9	1.45	1.80	2.29	2.71	3.10	3.49	3.92	4.42	5.06	6.03	6.92
Mar	4.46	4.23	3.96	2001	30	8.46	1994	1.47	1981	10.3	7.4	3.0	1.2	1.66	2.08	2.68	3.18	3.65	4.14	4.66	5.28	6.05	7.25	8.35
Apr	4.33	4.06	2.50	1970	2	9.69	1983	1.62	1992	10.2	6.9	2.9	1.3	1.43	1.84	2.45	2.96	3.45	3.96	4.52	5.17	6.00	7.30	8.49
May	3.79	3.50	2.66	1933	31	6.73	1998	.72	1986	10.7	7.3	2.4	.9	1.35	1.71	2.22	2.66	3.07	3.50	3.96	4.50	5.19	6.25	7.23
Jun	3.67	3.05	6.61	1982	5	14.58	1982	.58	1987	8.5	5.5	2.3	1.0	.63	.95	1.49	1.99	2.51	3.06	3.70	4.48	5.51	7.18	8.77
Jul	3.09	2.52	3.64	1956	21	8.71	1989	.67	1994	7.5	5.0	2.0	.8	.75	1.04	1.49	1.89	2.29	2.71	3.18	3.74	4.48	5.64	6.74
Aug	3.94	3.59	7.04	1991	19	11.29	1991	.65	1984	8.1	5.3	2.2	1.0	.83	1.19	1.77	2.30	2.82	3.39	4.02	4.79	5.80	7.41	8.93
Sep	3.91	3.73	7.46	1954	11	7.58	1999	.38	1980	8.1	5.6	2.6	1.5	.95	1.32	1.89	2.40	2.90	3.44	4.03	4.74	5.66	7.13	8.51
Oct	3.67	3.50	3.07	1932	18	8.65	1996	.77	2000	8.5	5.6	2.3	1.0	1.08	1.42	1.95	2.40	2.84	3.30	3.81	4.40	5.17	6.38	7.50
Nov	4.32	3.56	3.45	1953	23	11.24	1983	.72	1976	9.6	6.8	3.1	1.2	1.13	1.54	2.16	2.71	3.26	3.83	4.46	5.21	6.20	7.74	9.19
Dec	4.32	4.00	3.78	1953	14	8.44	1986	1.03	1985	10.6	7.7	2.8	1.2	1.36	1.77	2.38	2.90	3.41	3.93	4.50	5.17	6.04	7.39	8.63
Ann	47.92	46.30	7.46	Sep 1954	11	14.58	Jun 1982	.38	Sep 1980	111.3	77.0	32.0	13.4	35.85	38.23	41.26	43.54	45.56	47.49	49.49	51.68	54.33	58.15	61.43

+ 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: 1930-2001

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

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Station: BRIDGEHAMPTON, NY

COOP ID: 300889

Climate Division: NY 4

NWS Call Sign:

Elevation: 60 Feet

Lat: 40° 57N

Lon: 72° 18W

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	7.9	5.9	1	#	18.0	1996	8	32.7	1996	27	1996	8	7	1996	3.4	2.6	1.0	.4	.1	8.5	3.6	1.3	.2
Feb	7.3	6.4	2	1	15.0	1978	6	26.5	1994	16	1994	11	10	1978	3.3	2.1	.8	.4	.1	7.5	4.4	2.8	.5
Mar	4.1	3.0	#	#	9.0	1999	15	16.0	1978	14	1978	3	6	1978	1.8	1.4	.5	.3	.0	2.7	1.4	.8	.1
Apr	.8	.0	#	0	5.5	1982	6	8.0	1996	8	1996	10	1+	1996	.4	.2	.1	.1	.0	.2	.2	.1	.0
May	#	.0	0	0	#	1977	9	#	1977	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	#	.0	0	0	#	2000	29	#	2000	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.8	.0	#	0	10.0	1989	23	10.0	1989	7	1989	23	1	1989	.3	.2	.1	.1	@	.3	.2	.1	.0
Dec	2.2	1.0	#	#	6.0	1982	12	12.5	1995	8	1995	21	2	1995	1.4	.9	.3	.1	.0	2.1	.8	.3	.0
Ann	23.1	16.3	N/A	N/A	18.0	Jan 1996	8	32.7	Jan 1996	27	Jan 1996	8	10	Feb 1978	10.6	7.4	2.8	1.4	.2	21.3	10.6	5.4	.8

+ 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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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	5/21	5/16	5/13	5/10	5/07	5/04	5/01	4/28	4/23
32	5/09	5/05	5/01	4/28	4/25	4/22	4/19	4/16	4/11
28	4/21	4/16	4/13	4/10	4/07	4/05	4/02	3/29	3/25
24	4/05	4/01	3/29	3/26	3/24	3/22	3/19	3/16	3/12
20	3/29	3/23	3/20	3/16	3/13	3/10	3/07	3/03	2/26
16	3/24	3/17	3/12	3/07	3/03	2/26	2/22	2/17	2/09
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	9/29	10/03	10/06	10/08	10/11	10/13	10/16	10/19	10/23
32	10/04	10/10	10/13	10/16	10/19	10/22	10/26	10/29	11/03
28	10/19	10/24	10/28	10/31	11/03	11/07	11/10	11/14	11/19
24	11/06	11/11	11/15	11/18	11/21	11/24	11/27	12/01	12/06
20	11/23	11/28	12/02	12/06	12/09	12/12	12/15	12/19	12/25
16	11/30	12/06	12/11	12/15	12/18	12/22	12/26	12/30	1/06
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	175	169	164	160	156	152	148	144	137
32	201	192	186	181	176	172	167	161	152
28	231	224	218	214	210	205	201	195	188
24	262	255	250	246	241	237	233	228	220
20	295	286	280	275	270	265	260	253	245
16	316	307	301	295	290	285	279	273	264

* 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:
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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	1055	919	811	532	255	44	2	7	70	348	598	897	5538
60	900	779	656	382	125	7	0	0	17	211	448	742	4267
57	807	695	563	293	68	1	0	0	6	144	360	649	3586
55	745	639	501	235	41	0	0	0	2	106	302	587	3158
50	591	499	347	110	7	0	0	0	0	41	173	442	2210
32	147	100	17	0	0	0	0	0	0	0	2	73	339

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	116	105	229	459	772	1023	1247	1218	969	678	394	198	7408
55	0	0	0	3	100	334	534	505	281	71	3	0	1831
57	0	0	0	1	65	275	472	443	225	47	1	0	1529
60	0	0	0	0	29	190	379	350	147	21	0	0	1116
65	0	0	0	0	4	77	226	202	50	4	0	0	563
70	0	0	0	0	0	17	95	84	8	0	0	0	204

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	25	24	72	229	526	785	1002	969	731	431	181	53	25	49	121	350	876	1661	2663	3632	4363	4794	4975	5028
45	3	1	26	111	371	635	847	814	581	283	96	18	3	4	30	141	512	1147	1994	2808	3389	3672	3768	3786
50	0	0	5	41	227	485	692	659	431	158	40	2	0	0	5	46	273	758	1450	2109	2540	2698	2738	2740
55	0	0	0	13	109	335	537	504	286	72	10	0	0	0	0	13	122	457	994	1498	1784	1856	1866	1866
60	0	0	0	0	43	198	382	349	158	23	1	0	0	0	0	0	43	241	623	972	1130	1153	1154	1154
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	3	4	33	105	274	490	682	658	449	230	86	21	3	7	40	145	419	909	1591	2249	2698	2928	3014	3035

(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

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