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: STROUDSBURG, PA **COOP ID: 368596**

Climate Division: PA 1 **NWS Call Sign:** **Elevation: 460 Feet** **Lat: 41˚01N** **Lon: 75˚11W**

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	35.4	16.2	25.8	72	1932	15	34.4	1990	-25	1961	22	16.2	1977	1216	0	.0	.0	3.0	10.6	28.0	2.1
Feb	38.7	16.8	27.8	74+	1930	26	34.8	1998	-21+	1936	1	17.0	1979	1044	0	.0	.0	5.3	6.1	24.2	1.5
Mar	49.0	26.0	37.5	87	1977	30	43.5	2000	-14	1934	1	30.5	1984	853	0	.0	.0	15.4	1.0	21.1	.1
Apr	61.2	35.6	48.4	96	1976	18	51.6	1994	10	1965	5	43.1	1975	499	0	.0	.3	27.0	@	9.8	.0
May	72.0	45.5	58.8	97	1996	20	64.2	1991	24	1956	25	55.3	1973	211	18	.0	1.4	30.9	.0	1.2	.0
Jun	80.0	54.6	67.3	110	1933	10	70.6	1994	32+	1964	4	64.0+	1982	37	107	.0	4.1	30.0	.0	.0	.0
Jul	84.7	59.1	71.9	104+	1940	26	76.2	1999	36+	1957	3	67.2	2000	6	220	.5	8.9	31.0	.0	.0	.0
Aug	82.6	57.7	70.2	103	1955	2	73.3	1980	32+	1940	26	66.2	1982	12	171	.0	5.6	31.0	.0	.0	.0
Sep	74.6	49.6	62.1	106	1953	3	65.7	1998	20	1957	28	57.7	1975	117	30	.0	1.0	30.0	.0	.4	.0
Oct	63.6	37.7	50.7	95+	1941	6	56.3	1971	14	1936	28	45.8	1988	449	2	.0	.0	29.8	.0	7.5	.0
Nov	50.8	29.7	40.3	98	1947	16	45.3	1999	2	1938	26	34.2	1976	744	0	.0	.0	16.7	.2	16.7	.0
Dec	40.0	21.8	30.9	72	1984	29	36.7	1982	-14	1963	31	18.3	1989	1058	0	.0	.0	5.2	5.9	25.3	.8
Ann	61.1	37.5	49.3	110	Jun 1933	10	76.2	Jul 1999	-25	Jan 1961	22	16.2	Jan 1977	6246	548	.5	21.3	255.3	23.8	134.2	4.5

\+ 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: 1926-2001

(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: STROUDSBURG, PA **COOP ID: 368596**

Climate Division: PA 1 **NWS Call Sign:** **Elevation: 460 Feet** **Lat: 41˚01N** **Lon: 75˚11W**

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	3.98	3.72	2.85	1979	21	10.35	1979	.61	1981
Feb	3.01	2.95	2.54	1981	2	7.33	1981	.57	1987
Mar	3.84	3.54	2.84	1936	18	8.11	1977	.88	1981
Apr	4.00	3.82	3.03	1970	2	9.83	1983	1.16	1976
May	5.01	4.80	3.29	1984	29	10.84	1990	1.21	1993
Jun	4.56	4.22	4.68	1969	15	8.85	1972	.93	1988
Jul	4.42	4.00	4.70	1935	10	10.08	1986	.66	1983
Aug	4.28	4.50	5.17	1955	13	7.85	1994	1.02	1972
Sep	4.89	4.06	6.58	1985	27	12.67	1999	.79	1984
Oct	3.81	3.38	5.00	1932	6	9.10	1995	1.45	1994
Nov	4.26	4.44	3.60	1950	26	10.50	1972	.92	1976
Dec	3.92	3.08	5.27	1957	20	10.51	1996	.80	1980
Ann	49.98	50.29	6.58	Sep 1985	27	12.67	Sep 1999	.57	Feb 1987

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	11.3	7.1	2.8	1.1
Feb	10.0	5.9	2.2	.6
Mar	10.9	6.7	2.8	.9
Apr	11.5	7.3	2.7	1.0
May	13.7	8.9	3.4	1.1
Jun	12.3	8.2	3.0	1.3
Jul	11.5	7.2	3.0	1.0
Aug	10.9	6.9	2.8	1.1
Sep	10.0	6.5	3.2	1.5
Oct	10.3	6.3	2.5	1.1
Nov	10.7	6.5	2.8	1.3
Dec	11.1	6.6	2.6	1.1
Ann	134.2	84.1	33.8	13.1

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	.89	1.26	1.85	2.37	2.89	3.45	4.08	4.82	5.81	7.38	8.85
Feb	1.11	1.39	1.79	2.13	2.45	2.79	3.14	3.56	4.09	4.91	5.66
Mar	1.59	1.95	2.44	2.84	3.23	3.61	4.03	4.51	5.11	6.04	6.88
Apr	1.10	1.48	2.06	2.56	3.06	3.57	4.14	4.82	5.70	7.08	8.37
May	1.61	2.08	2.79	3.39	3.97	4.56	5.22	5.99	6.98	8.52	9.94
Jun	1.46	1.89	2.53	3.08	3.60	4.15	4.75	5.45	6.35	7.75	9.04
Jul	1.24	1.66	2.30	2.85	3.39	3.95	4.58	5.32	6.27	7.77	9.17
Aug	1.65	2.05	2.62	3.09	3.54	3.99	4.49	5.06	5.78	6.90	7.91
Sep	1.38	1.84	2.54	3.16	3.75	4.38	5.07	5.89	6.95	8.62	10.17
Oct	1.27	1.63	2.16	2.61	3.04	3.49	3.97	4.54	5.27	6.40	7.45
Nov	1.36	1.77	2.36	2.87	3.37	3.88	4.44	5.09	5.93	7.25	8.46
Dec	.76	1.12	1.69	2.22	2.76	3.34	3.99	4.78	5.82	7.49	9.09
Ann	37.98	40.37	43.39	45.66	47.66	49.58	51.55	53.72	56.34	60.10	63.33

\+ 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

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: STROUDSBURG, PA **COOP ID: 368596**

Climate Division: PA 1 **NWS Call Sign:** **Elevation: 460 Feet** **Lat: 41°01N** **Lon: 75°11W**

Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	11.1	9.4	3	2
Feb	9.1	7.5	4	3
Mar	6.2	4.7	1	#
Apr	1.4	.1	#	0
May	#	.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
Nov	2.0	.2	#	#
Dec	5.0	4.5	1	#
Ann	34.9	26.4	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	13.1	1996	8	31.1	1996	22	1996	12	13	1996
Feb	18.0	1983	12	29.2	1983	25	1978	7	17	1978
Mar	10.0	1980	14	20.4	1984	19	1978	6	13	1978
Apr	12.0	1982	6	12.8	1982	9	1982	6	1	1982
May	#	1977	9	#	1977	0	0	0	0	0
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	2.5	1972	19	2.5	1972	#	1972	20	#	1972
Nov	12.0	1971	25	12.8	1971	12	1971	25	1	1980
Dec	9.0	1990	28	17.8	1995	11	1995	20	5	1995
Ann	18.0	Feb 1983	12	31.1	Jan 1996	25	Feb 1978	7	17	Feb 1978

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	6.1	3.5	1.0	.5	.1
Feb	4.8	2.2	1.0	.6	.1
Mar	3.1	1.8	.6	.4	.1
Apr	.6	.4	.1	.1	.1
May	.0	.0	.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	@	@	.0	.0	.0
Nov	1.0	.5	.2	.1	@
Dec	3.6	1.6	.6	.2	.0
Ann	19.2	10.0	3.5	1.9	.4

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	17.5	9.3	5.1	1.2
Feb	13.6	9.4	6.3	1.9
Mar	5.1	2.9	1.6	.7
Apr	.2	.2	.1	.0
May	.0	.0	.0	.0
Jun	.0	.0	.0	.0
Jul	.0	.0	.0	.0
Aug	.0	.0	.0	.0
Sep	.0	.0	.0	.0
Oct	.0	.0	.0	.0
Nov	1.0	.3	.1	@
Dec	7.0	3.1	1.1	.1
Ann	44.4	25.2	14.3	3.9

+ 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: STROUDSBURG, PA **COOP ID: 368596**

Climate Division: PA 1 **NWS Call Sign:** **Elevation: 460 Feet** **Lat: 41˚01N** **Lon: 75˚11W**

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	6/06	5/31	5/27	5/23	5/20	5/17	5/13	5/09	5/03
32	5/18	5/13	5/10	5/08	5/05	5/03	4/30	4/27	4/23
28	5/04	4/29	4/26	4/23	4/20	4/17	4/15	4/11	4/06
24	4/17	4/13	4/10	4/07	4/05	4/03	3/31	3/28	3/24
20	4/04	3/31	3/29	3/27	3/25	3/23	3/21	3/18	3/15
16	3/28	3/23	3/20	3/17	3/14	3/12	3/09	3/05	3/01

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	9/10	9/14	9/17	9/19	9/21	9/23	9/26	9/28	10/02
32	9/23	9/28	10/01	10/04	10/07	10/10	10/13	10/16	10/21
28	10/04	10/09	10/12	10/15	10/18	10/21	10/24	10/27	11/01
24	10/18	10/22	10/25	10/28	10/30	11/02	11/04	11/08	11/12
20	10/30	11/05	11/09	11/13	11/16	11/19	11/23	11/27	12/03
16	11/15	11/20	11/24	11/27	11/30	12/04	12/07	12/11	12/16

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	141	135	131	127	124	120	116	112	106
32	173	167	162	158	154	150	146	142	135
28	203	195	190	185	180	176	171	165	157
24	225	219	215	211	207	204	200	196	190
20	256	249	244	239	235	231	227	222	215
16	285	277	271	265	260	256	250	244	236

***** 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: STROUDSBURG, PA **COOP ID: 368596**

Climate Division: PA 1 **NWS Call Sign:** **Elevation: 460 Feet** **Lat: 41˚01N** **Lon: 75˚11W**

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	1216	1044	853	499	211	37	6	12	117	449	744	1058	6246
60	1061	904	698	350	103	6	0	0	41	305	594	903	4965
57	968	820	605	264	57	2	0	0	18	229	504	810	4277
55	906	764	543	211	36	0	0	0	9	183	444	748	3844
50	751	624	396	102	7	0	0	0	1	94	303	596	2874
32	268	193	51	0	0	0	0	0	0	0	16	162	690

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	75	73	221	491	829	1060	1237	1183	903	577	263	127	7039
55	0	0	0	12	152	370	524	470	223	47	1	0	1799
57	0	0	0	5	112	311	462	408	171	30	0	0	1499
60	0	0	0	1	64	226	369	315	104	14	0	0	1093
65	0	0	0	0	18	107	220	171	30	2	0	0	548
70	0	0	0	0	3	33	97	67	3	0	0	0	203

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	17	25	108	315	650	868	1044	986	726	391	141	32	17	42	150	465	1115	1983	3027	4013	4739	5130	5271	5303
45	2	6	54	193	495	718	889	831	576	254	72	8	2	8	62	255	750	1468	2357	3188	3764	4018	4090	4098
50	0	0	21	103	349	568	734	676	429	141	31	3	0	0	21	124	473	1041	1775	2451	2880	3021	3052	3055
55	0	0	5	48	212	418	579	521	288	65	8	0	0	0	5	53	265	683	1262	1783	2071	2136	2144	2144
60	0	0	3	19	110	277	425	369	166	24	1	0	0	0	3	22	132	409	834	1203	1369	1393	1394	1394
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	6	16	78	210	414	571	702	660	466	245	85	13	6	22	100	310	724	1295	1997	2657	3123	3368	3453	3466

(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