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: RIDGWAY, PA **COOP ID: 367477**

Climate Division: PA 7 **NWS Call Sign:** **Elevation: 1,360 Feet** **Lat: 41˚25N** **Lon: 78˚45W**

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	32.1	13.3	22.7	72	1950	25	32.2	1998	-31	1984	22	9.1	1977	1312	0	.0	.0	1.9	15.5	29.3	5.5
Feb	35.3	13.9	24.6	70	1932	11	34.1	1998	-35	1961	2	12.5	1979	1132	0	.0	.0	3.7	12.1	26.0	4.9
Mar	44.9	21.4	33.2	82	1945	27	40.4	1973	-20+	1960	9	26.3	1984	988	0	.0	.0	10.4	5.1	26.1	1.3
Apr	56.9	30.9	43.9	89	1929	7	48.5	1985	3	1982	8	37.8	1975	633	0	.0	.0	20.8	.3	18.7	.0
May	68.4	40.4	54.4	94	1996	21	61.3	1991	17+	1947	10	47.7	1997	342	12	.0	.1	29.9	.0	7.3	.0
Jun	76.0	49.6	62.8	98+	1934	30	66.4	1971	27+	1930	1	59.1	1992	110	43	.0	.2	30.0	.0	.6	.0
Jul	79.7	54.2	67.0	101+	1936	10	70.2	1999	34	1988	1	63.5	2000	31	90	.0	.8	31.0	.0	.0	.0
Aug	78.4	53.0	65.7	99	1930	5	70.4	1995	26+	1982	29	59.9	1982	65	86	.0	.9	31.0	.0	.1	.0
Sep	71.3	46.1	58.7	98	1953	2	63.3	1971	22	1957	27	54.9	1975	197	7	.0	.0	30.0	.0	1.7	.0
Oct	60.4	35.1	47.8	91	1927	2	54.4	1971	11	1952	21	43.2	1972	536	0	.0	.0	25.9	.0	13.3	.0
Nov	47.5	28.3	37.9	80	1950	1	43.7	1985	-10	1930	29	31.1	1976	814	0	.0	.0	12.3	2.3	21.2	.0
Dec	36.5	19.4	28.0	73	1982	4	36.1	1982	-24	1960	13	14.1	1989	1148	0	.0	.0	3.7	10.3	27.4	2.2
Ann	57.3	33.8	45.6	101+	Jul 1936	10	70.4	Aug 1995	-35	Feb 1961	2	9.1	Jan 1977	7308	238	.0	2.0	230.6	45.6	171.7	13.9

\+ 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: RIDGWAY, PA

COOP ID: 367477

Climate Division: PA 7 **NWS Call Sign:** **Elevation: 1,360 Feet** **Lat: 41˚25N** **Lon: 78˚45W**

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	2.78	2.86	2.02	1979	25	6.32	1999	.71	1981
Feb	2.30	2.12	1.95	1959	10	4.30	1990	.44	1987
Mar	3.30	2.98	2.05+	1954	2	6.51	1974	1.49	1981
Apr	3.57	3.86	2.28	2000	4	5.57	2000	1.01	1971
May	4.13	3.84	2.44	1982	29	8.81	1984	1.11	1993
Jun	5.03	5.50	3.71	1972	23	12.41	1972	.99	1991
Jul	4.56	4.12	4.13	1981	1	11.82	1992	1.67	1998
Aug	3.99	3.84	4.40	1994	14	9.38	1994	.65	1995
Sep	3.95	3.63	3.99	1967	29	6.85	1996	1.72	1995
Oct	3.16	3.00	3.36	1959	24	6.55	1981	1.12	1997
Nov	3.61	3.70	2.33	1950	25	8.81	1985	.69	1998
Dec	3.02	2.63	2.00	1998	22	6.57	1990	1.18	1989
Ann	43.40	43.19	4.40	Aug 1994	14	12.41	Jun 1972	.44	Feb 1987

Mean Number of Days (3)

Month	Daily Precipitation >= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	15.6	7.5	1.4	.3
Feb	12.5	6.2	1.1	.2
Mar	13.5	7.8	2.0	.5
Apr	15.0	9.0	1.9	.5
May	13.7	8.9	2.9	.6
Jun	12.9	8.9	3.4	1.2
Jul	11.7	8.1	3.1	1.0
Aug	11.2	7.5	2.8	.9
Sep	12.3	7.9	2.8	.6
Oct	13.1	7.7	1.8	.5
Nov	14.5	8.1	2.2	.7
Dec	15.9	7.6	1.6	.4
Ann	161.9	95.2	27.0	7.4

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	.91	1.18	1.56	1.89	2.21	2.54	2.89	3.31	3.85	4.68	5.45
Feb	.78	1.00	1.31	1.58	1.84	2.11	2.40	2.74	3.18	3.86	4.48
Mar	1.48	1.77	2.18	2.51	2.82	3.13	3.46	3.84	4.32	5.05	5.71
Apr	1.62	1.94	2.38	2.73	3.06	3.39	3.75	4.15	4.67	5.44	6.14
May	1.54	1.92	2.48	2.94	3.38	3.83	4.32	4.88	5.61	6.72	7.74
Jun	1.31	1.79	2.52	3.16	3.79	4.45	5.19	6.07	7.21	9.01	10.70
Jul	1.89	2.30	2.89	3.37	3.82	4.28	4.77	5.34	6.06	7.16	8.16
Aug	1.57	1.94	2.47	2.90	3.31	3.72	4.17	4.70	5.36	6.37	7.29
Sep	2.00	2.33	2.78	3.13	3.46	3.79	4.14	4.53	5.02	5.76	6.43
Oct	1.21	1.51	1.93	2.27	2.60	2.94	3.31	3.73	4.27	5.09	5.85
Nov	1.24	1.58	2.08	2.50	2.90	3.31	3.77	4.29	4.97	6.02	6.98
Dec	1.33	1.60	1.97	2.28	2.57	2.86	3.17	3.53	3.97	4.66	5.27
Ann	34.48	36.28	38.54	40.23	41.71	43.13	44.58	46.17	48.07	50.80	53.12

\+ 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: RIDGWAY, PA **COOP ID: 367477**

Climate Division: PA 7 **NWS Call Sign:** **Elevation: 1,360 Feet** **Lat: 41°25N** **Lon: 78°45W**

Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	13.8	12.0	3	2
Feb	11.9	11.5	4	3
Mar	8.2	6.5	1	#
Apr	1.5	.5	#	#
May	#	.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	2.7	2.0	#	#
Dec	11.1	9.5	2	1
Ann	49.3	42.0	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	8.0	1978	18	32.3	1978	22	1978	21	10+	1994
Feb	10.0	1972	4	34.5	1972	18	1977	6	11	1979
Mar	10.0	1992	12	26.5	1992	15+	1993	14	7	1994
Apr	4.0	1974	9	8.0	1982	4	1987	4	1	1982
May	#	1989	7	#+	1989	#+	1989	7	#+	1989
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	1.0	1972	19	1.0	1972	1	1976	22	#+	1992
Nov	14.0	1995	15	14.0	1995	15	1995	15	3	1995
Dec	17.0	1992	11	28.0	1992	20	1992	12	5	1995
Ann	17.0	Dec 1992	11	34.5	Feb 1972	22	Jan 1978	21	11	Feb 1979

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	8.9	6.4	1.7	.3	.0
Feb	6.8	5.4	1.3	.4	@
Mar	4.3	3.4	1.0	.4	@
Apr	1.0	.8	.1	.0	.0
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	.1	@	.0	.0	.0
Nov	2.2	1.8	.2	.1	@
Dec	6.8	5.0	1.0	.3	.1
Ann	30.1	22.8	5.3	1.5	.1

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	20.6	10.7	5.8	1.6
Feb	18.3	11.2	7.3	2.1
Mar	9.2	4.5	2.9	.4
Apr	1.2	.3	.0	.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	.1	.0	.0	.0
Nov	3.7	.6	.3	.1
Dec	14.0	5.2	2.5	.9
Ann	67.1	32.5	18.8	5.1

+ 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: RIDGWAY, PA **COOP ID: 367477**

Climate Division: PA 7 **NWS Call Sign:** **Elevation: 1,360 Feet** **Lat: 41˚25N** **Lon: 78˚45W**

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	6/22	6/16	6/12	6/08	6/04	6/01	5/28	5/24	5/18
32	6/09	6/04	5/31	5/27	5/24	5/21	5/18	5/14	5/08
28	5/23	5/19	5/15	5/12	5/10	5/07	5/04	5/01	4/26
24	5/07	5/04	5/01	4/29	4/27	4/24	4/22	4/19	4/16
20	4/25	4/20	4/17	4/14	4/12	4/09	4/06	4/03	3/29
16	4/13	4/09	4/06	4/03	3/31	3/29	3/26	3/23	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	9/01	9/06	9/10	9/13	9/16	9/19	9/22	9/26	10/01
32	9/15	9/19	9/23	9/26	9/28	10/01	10/04	10/08	10/12
28	9/25	10/01	10/06	10/09	10/13	10/16	10/20	10/25	10/31
24	10/11	10/16	10/20	10/23	10/26	10/28	10/31	11/04	11/09
20	10/22	10/27	10/30	11/02	11/05	11/08	11/11	11/14	11/19
16	10/30	11/06	11/11	11/15	11/18	11/22	11/26	12/01	12/08

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	125	118	112	108	103	99	94	89	81
32	146	139	135	130	126	123	118	113	107
28	177	169	164	160	155	151	147	142	134
24	202	195	190	185	181	177	173	168	161
20	229	221	216	211	207	202	197	192	184
16	257	248	242	237	232	227	221	215	206

***** 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: RIDGWAY, PA **COOP ID: 367477**

Climate Division: PA 7 **NWS Call Sign:** **Elevation: 1,360 Feet** **Lat: 41˚25N** **Lon: 78˚45W**

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	1312	1132	988	633	342	110	31	65	197	536	814	1148	7308
60	1157	992	833	483	214	40	3	15	86	388	664	993	5868
57	1064	908	740	395	152	18	0	5	43	305	574	900	5104
55	1002	852	678	337	117	9	0	1	26	253	514	838	4627
50	847	712	526	206	51	1	0	0	5	147	372	690	3557
32	348	263	113	4	0	0	0	0	0	3	42	240	1013

Base — Cooling Degree Days (1)

Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	59	55	148	361	693	924	1082	1044	800	490	218	115	5989
55	0	0	0	4	97	243	369	332	136	27	1	0	1209
57	0	0	0	2	71	191	307	274	93	17	0	0	955
60	0	0	0	0	40	123	218	191	46	7	0	0	625
65	0	0	0	0	12	43	90	86	7	0	0	0	238
70	0	0	0	0	2	8	19	24	0	0	0	0	53

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	7	13	57	185	452	687	835	804	568	271	90	20	7	20	77	262	714	1401	2236	3040	3608	3879	3969	3989
45	2	1	29	101	311	539	680	649	422	155	42	8	2	3	32	133	444	983	1663	2312	2734	2889	2931	2939
50	0	0	7	52	189	391	525	494	282	79	18	2	0	0	7	59	248	639	1164	1658	1940	2019	2037	2039
55	0	0	2	20	102	251	371	339	167	30	4	0	0	0	2	22	124	375	746	1085	1252	1282	1286	1286
60	0	0	0	5	41	139	225	195	80	5	0	0	0	0	0	5	46	185	410	605	685	690	690	690
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	3	11	50	143	308	444	547	517	360	186	59	11	3	14	64	207	515	959	1506	2023	2383	2569	2628	2639

(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