

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: PARKERSBURG AP, WV

1971-2000

COOP ID: 466849

Climate Division: WV 1

NWS Call Sign: PKB

Elevation: 831 Feet

Lat: 39° 21N

Lon: 81° 26W

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	39.1	23.0	31.1	76	1950	25	40.3	1990	-24	1994	19	17.4	1977	1052	0	.0	.0	6.7	9.6	24.6	1.3
Feb	43.4	25.4	34.4	74	1976	29	42.9	1976	-10+	1951	3	21.2	1978	856	0	.0	.0	9.1	6.5	21.0	.6
Mar	54.2	33.7	44.0	86	1950	27	51.8	1976	-5	1980	3	37.5	1978	654	0	.0	.0	19.0	1.2	15.6	.1
Apr	64.8	42.1	53.5	94	1976	18	59.2	1985	17	1972	9	48.1	1997	352	6	.0	.1	26.9	.0	5.2	.0
May	73.9	51.6	62.8	94+	1949	4	70.3	1991	24	1966	10	56.8	1997	157	86	.0	.5	30.9	.0	.4	.0
Jun	81.4	60.1	70.8	100	1988	25	74.9	1984	36	1966	2	67.0	1980	15	189	@	2.8	30.0	.0	.0	.0
Jul	84.5	64.7	74.6	102+	1988	8	78.2	1999	44	1988	1	71.1	1996	0	298	.2	6.2	31.0	.0	.0	.0
Aug	83.0	63.5	73.3	101	1988	17	78.4	1995	40	1986	29	69.3	1992	6	263	@	3.9	31.0	.0	.0	.0
Sep	76.6	56.3	66.5	102	1953	3	72.1	1978	32+	1956	21	62.0	1975	58	102	.0	.9	30.0	.0	@	.0
Oct	66.0	44.8	55.4	90	1951	3	63.6	1984	21	1952	21	48.3	1988	321	22	.0	.0	29.6	.0	3.1	.0
Nov	54.4	36.3	45.4	84	1961	3	51.0	1985	1	1958	30	37.4	1976	591	0	.0	.0	18.9	.3	12.5	.0
Dec	43.8	27.9	35.9	79	1971	10	44.6	1982	-16	1989	23	21.3	1989	904	0	.0	.0	9.7	5.2	21.0	.4
Ann	63.8	44.1	54.0	102+	Jul 1988	8	78.4	Aug 1995	-24	Jan 1994	19	17.4	Jan 1977	4966	966	.2	14.4	272.8	22.8	103.4	2.4

+ 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/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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

038-A

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: PARKERSBURG AP, WV

COOP ID: 466849

Climate Division: WV 1

NWS Call Sign: PKB

Elevation: 831 Feet Lat: 39°21N

Lon: 81°26W

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	3.05	2.81	2.00	1974	10	7.41	1994	.68	1981	15.5	7.7	1.9	.4	.94	1.23	1.66	2.03	2.39	2.77	3.18	3.66	4.28	5.25	6.14
Feb	2.77	2.54	2.23	1966	13	5.34	1989	.75	1978	12.5	7.0	1.5	.5	1.02	1.28	1.66	1.97	2.26	2.57	2.89	3.28	3.76	4.51	5.20
Mar	3.79	3.46	3.83	1963	4	8.33	1997	1.52	1971	13.9	8.4	2.6	.6	1.55	1.90	2.39	2.79	3.17	3.56	3.97	4.45	5.06	5.99	6.83
Apr	3.29	2.99	2.02	1994	10	7.61	1983	.83	1982	13.1	7.7	2.0	.6	1.05	1.36	1.82	2.21	2.59	2.99	3.42	3.93	4.58	5.60	6.54
May	4.18	4.00	2.53	1990	26	8.40	1990	1.70	1988	12.5	8.7	2.8	.8	1.63	2.02	2.57	3.03	3.46	3.90	4.38	4.93	5.63	6.71	7.69
Jun	3.96	4.13	3.20	1972	20	8.18	1998	.45	1984	11.0	7.1	2.5	.8	1.11	1.49	2.06	2.55	3.04	3.55	4.11	4.77	5.63	6.98	8.24
Jul	4.20	3.71	2.60	1985	15	7.83	1976	1.28	1987	11.0	7.7	2.9	1.4	1.53	1.93	2.50	2.97	3.42	3.89	4.39	4.98	5.73	6.88	7.93
Aug	4.38	4.08	3.71	1989	5	8.32	1972	1.02	1981	10.1	6.8	3.1	1.2	1.72	2.13	2.70	3.18	3.63	4.09	4.58	5.15	5.88	6.99	8.01
Sep	3.15	3.00	2.73	1951	13	6.56	1989	.60	1985	9.7	5.8	2.3	.7	.99	1.29	1.74	2.12	2.48	2.86	3.28	3.77	4.40	5.38	6.29
Oct	2.82	2.60	3.06	1954	15	7.33	1983	.62	1992	9.5	5.8	1.9	.7	.72	.99	1.40	1.76	2.12	2.49	2.91	3.41	4.06	5.08	6.04
Nov	3.25	2.84	2.76	1962	9	7.89	1985	.46	1976	12.3	7.4	2.1	.3	1.06	1.37	1.82	2.21	2.58	2.96	3.39	3.88	4.51	5.50	6.41
Dec	3.21	2.62	2.92	1948	15	8.10	1990	1.57	1979	14.2	7.6	2.0	.6	1.20	1.50	1.93	2.29	2.63	2.98	3.36	3.80	4.36	5.22	6.01
Ann	42.05	41.11	3.83	Mar 1963	4	8.40	May 1990	.45	Jun 1984	145.3	87.7	27.6	8.6	30.86	33.06	35.85	37.96	39.83	41.63	43.48	45.53	48.00	51.57	54.65

+ 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: 1948-2001

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

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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: PARKERSBURG AP, WV

COOP ID: 466849

Climate Division: WV 1

NWS Call Sign: PKB

Elevation: 831 Feet

Lat: 39°21N

Lon: 81°26W

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	10.1	6.4	1	1	18.0	1994	17	39.1	1994	21+	1978	21	7	1978	8.0	3.4	.8	.2	.1	11.1	5.9	3.5	.9
Feb	5.6	4.4	1	1	7.2	1983	11	19.4	1979	14	1979	19	6	1979	5.2	1.7	.6	.1	.0	7.9	4.6	2.4	.4
Mar	3.8	2.9	#	1	20.1	1993	13	21.6	1993	20	1993	14	2	1978	2.9	1.2	.3	.1	@	2.3	1.1	.4	.1
Apr	.8	.0	#	0	9.6	1987	4	13.3	1987	11	1987	5	1	1987	.6	.2	.1	@	.0	.1	.1	.1	@
May	#	.0	#	0	#	1989	7	#+	1989	0	0	0	#	1996	.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	0	.5	1993	31	.5	1993	#	1993	31	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	1.2	.5	#	0	5.3	1971	24	5.3	1971	3	1995	15	#	1996	1.6	.4	.1	@	.0	.3	@	.0	.0
Dec	3.0	1.8	#	0	6.0	1974	1	12.9	1981	5+	1989	28	2	1989	3.8	1.0	.2	@	.0	3.3	1.0	.2	.0
Ann	24.5	16.0	N/A	N/A	20.1	Mar 1993	13	39.1	Jan 1994	21+	Jan 1978	21	7	Jan 1978	22.1	7.9	2.1	.4	.1	25.0	12.7	6.6	1.4

+ 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/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: PARKERSBURG AP, WV

COOP ID: 466849

Climate Division: WV 1

NWS Call Sign: PKB

Elevation: 831 Feet

Lat: 39°21N

Lon: 81°26W

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	5/20	5/15	5/11	5/08	5/06	5/03	4/30	4/26	4/22
32	5/07	5/02	4/29	4/26	4/24	4/21	4/18	4/15	4/10
28	4/20	4/16	4/13	4/10	4/08	4/06	4/03	3/31	3/27
24	4/10	4/05	4/02	3/30	3/27	3/25	3/22	3/18	3/14
20	4/02	3/26	3/21	3/17	3/13	3/09	3/05	2/28	2/21
16	3/21	3/14	3/10	3/06	3/02	2/27	2/23	2/18	2/12
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	9/27	10/01	10/04	10/07	10/10	10/12	10/15	10/18	10/22
32	10/01	10/07	10/11	10/15	10/19	10/22	10/26	10/31	11/06
28	10/17	10/23	10/27	10/31	11/04	11/07	11/11	11/15	11/22
24	10/27	11/02	11/06	11/09	11/13	11/16	11/19	11/23	11/29
20	11/07	11/14	11/18	11/23	11/26	11/30	12/04	12/09	12/16
16	11/19	11/26	11/30	12/04	12/08	12/12	12/16	12/21	12/27
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	173	167	163	159	156	153	149	145	139
32	201	193	187	182	178	173	168	162	154
28	232	224	218	214	209	204	200	194	186
24	252	244	239	234	229	225	220	215	207
20	283	274	268	263	258	253	247	241	232
16	304	296	290	285	280	275	270	264	256

* 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

**Climatology
of the United States
No. 20
1971-2000**

Station: PARKERSBURG AP, WV

COOP ID: 466849

Climate Division: WV 1

NWS Call Sign: PKB

Elevation: 831 Feet

Lat: 39°21N

Lon: 81°26W

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	1052	856	654	352	157	15	0	6	58	321	591	904	4966
60	897	716	505	221	81	3	0	0	17	204	444	749	3837
57	804	634	419	156	49	1	0	0	7	147	362	665	3244
55	743	581	364	119	33	0	0	0	4	115	309	607	2875
50	600	452	243	50	11	0	0	0	0	55	194	467	2072
32	186	112	22	0	0	0	0	0	0	0	9	119	448

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	158	180	391	644	952	1163	1321	1279	1034	724	408	237	8491
55	2	5	20	72	272	473	608	566	347	127	19	13	2524
57	0	2	13	50	225	414	546	504	291	97	12	9	2163
60	0	0	6	25	165	326	453	411	211	60	4	0	1661
65	0	0	0	6	86	189	298	263	102	22	0	0	966
70	0	0	0	1	35	82	157	135	33	6	0	0	449

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	44	75	206	415	710	928	1084	1040	801	487	220	82	44	119	325	740	1450	2378	3462	4502	5303	5790	6010	6092
45	19	34	121	284	555	778	929	885	651	337	132	42	19	53	174	458	1013	1791	2720	3605	4256	4593	4725	4767
50	4	20	67	176	404	628	774	730	501	211	69	19	4	24	91	267	671	1299	2073	2803	3304	3515	3584	3603
55	1	2	32	100	267	478	619	575	355	114	33	4	1	3	35	135	402	880	1499	2074	2429	2543	2576	2580
60	0	0	12	49	151	332	464	420	225	51	10	0	0	0	12	61	212	544	1008	1428	1653	1704	1714	1714
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	29	42	129	258	440	623	747	712	513	286	123	41	29	71	200	458	898	1521	2268	2980	3493	3779	3902	3943

(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