

Climatology of the United States

No. 20

1971-2000

Station: GLENVILLE, WV

COOP ID: 463544

Climate Division: WV 2

NWS Call Sign:

Elevation: 710 Feet Lat: 38°56N Lon: 80°50W

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	41.1	19.0	30.1	80	1950	25	38.9	1974	-25+	1936	24	15.5	1977	1083	0	.0	.0	8.4	7.7	26.4	2.7
Feb	45.4	20.7	33.1	80	2000	27	40.7	1998	-19+	1936	1	20.6	1978	895	0	.0	.0	10.6	4.8	23.2	1.9
Mar	55.5	27.9	41.7	91	1929	25	49.9	1973	-11	1943	4	35.9	1999	723	0	.0	.0	20.0	1.1	21.1	.2
Apr	66.1	36.4	51.3	94	1942	30	56.1	1999	13	1969	1	46.3	1975	415	2	.0	.2	27.1	@	10.7	.0
May	75.0	46.0	60.5	97	1936	9	68.9	1991	22+	1963	2	55.1	1997	192	53	.0	.8	30.8	.0	1.8	.0
Jun	82.3	55.6	69.0	101	1931	20	72.6	1991	31	1972	11	63.2	1972	33	151	.0	3.5	30.0	.0	.1	.0
Jul	85.6	61.0	73.3	105+	1930	28	77.2	1999	38	1963	9	69.7	1976	4	261	.2	7.5	31.0	.0	.0	.0
Aug	84.5	60.0	72.3	105	1930	4	78.2	1995	37	1930	12	68.3	1982	8	231	.1	5.5	31.0	.0	.0	.0
Sep	78.6	52.5	65.6	104	1932	1	69.1	1978	29	1963	24	61.6	1976	59	76	.0	1.6	30.0	.0	.1	.0
Oct	67.9	39.1	53.5	95	1927	1	60.3	1984	12	1930	22	46.7	1988	371	13	.0	.0	29.8	.0	8.2	.0
Nov	56.4	30.7	43.6	86+	1931	23	52.9	1985	0	1929	30	34.5	1976	644	0	.0	.0	20.2	.3	18.1	.0
Dec	45.7	23.8	34.8	82	1932	24	42.8	1984	-14+	1962	13	21.3	1989	937	0	.0	.0	11.9	4.0	24.1	.5
Ann	65.3	39.4	52.4	105+	Aug 1930	4	78.2	Aug 1995	-25+	Jan 1936	24	15.5	Jan 1977	5364	787	.3	19.1	280.8	17.9	133.8	5.3

+ 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

019-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: GLENNVILLE, WV

COOP ID: 463544

Climate Division: WV 2

NWS Call Sign:

Elevation: 710 Feet Lat: 38°56N

Lon: 80°50W

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	3.40	2.75	1.95+	1974	11	7.43	1994	1.01	1981	14.6	8.3	2.1	.5	1.01	1.33	1.82	2.24	2.64	3.07	3.54	4.09	4.80	5.92	6.95
Feb	3.09	3.01	2.77	1994	9	5.91	1994	.62	1978	11.8	7.4	1.8	.4	1.10	1.39	1.81	2.17	2.51	2.85	3.23	3.67	4.23	5.09	5.89
Mar	4.06	3.63	2.90	1997	1	8.51	1997	1.58	1987	13.0	8.9	2.6	.9	1.64	2.01	2.54	2.97	3.38	3.80	4.25	4.77	5.43	6.44	7.36
Apr	3.64	3.68	2.09	1989	26	7.67	1972	1.13	1971	13.6	8.8	2.0	.4	1.56	1.89	2.34	2.72	3.07	3.43	3.81	4.25	4.81	5.65	6.42
May	4.44	4.69	2.24	1938	21	9.31	1996	.70	1991	12.7	8.5	2.9	.8	1.51	1.93	2.54	3.06	3.56	4.07	4.63	5.28	6.12	7.42	8.62
Jun	4.13	3.54	3.86	1937	22	10.82	1998	.76	1988	11.7	8.0	3.1	1.0	1.05	1.44	2.04	2.57	3.09	3.65	4.26	4.99	5.95	7.45	8.86
Jul	5.17	4.68	5.09	1951	24	9.24	1971	1.92	1972	12.1	8.2	3.7	1.4	2.23	2.70	3.35	3.88	4.38	4.88	5.42	6.04	6.82	8.01	9.08
Aug	4.28	4.49	3.70	1943	5	7.03	1989	1.53	1981	10.6	7.3	2.9	1.1	1.86	2.24	2.78	3.22	3.63	4.04	4.48	4.99	5.63	6.61	7.49
Sep	3.32	3.04	2.91	1971	13	7.70	1971	.83	1983	9.8	6.1	2.2	.8	1.02	1.33	1.80	2.21	2.60	3.01	3.45	3.98	4.66	5.72	6.70
Oct	3.02	2.86	3.12	1954	16	7.15	1976	.69	1994	10.1	6.2	1.9	.6	.79	1.07	1.51	1.90	2.28	2.67	3.12	3.65	4.33	5.42	6.43
Nov	3.78	3.65	3.50	1926	16	9.38	1985	.95	1976	12.3	8.1	2.4	.5	1.29	1.65	2.17	2.61	3.03	3.47	3.95	4.50	5.22	6.32	7.34
Dec	3.39	2.83	2.20	1972	9	8.67	1978	1.63	1971	13.5	7.9	2.2	.5	1.38	1.70	2.13	2.50	2.84	3.18	3.55	3.98	4.53	5.36	6.11
Ann	45.72	45.33	5.09	Jul 1951	24	10.82	Jun 1998	.62	Feb 1978	145.8	93.7	29.8	8.9	36.32	38.21	40.60	42.38	43.95	45.45	46.98	48.65	50.66	53.54	55.99

+ 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

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: GLENVILLE, WV

COOP ID: 463544

Climate Division: WV 2

NWS Call Sign:

Elevation: 710 Feet

Lat: 38°56N

Lon: 80°50W

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	8.7	2.3	1	1	9.3	1996	8	32.7	1978	15+	1996	8	9	1977	5.2	2.6	.8	.3	.0	6.2	3.8	3.0	1.2
Feb	5.5	2.9	1	#	9.0	1986	11	13.3	1972	15	1986	15	7	1978	3.2	1.6	.4	.1	.0	4.2	1.7	1.1	.2
Mar	4.2	2.0	#	#	14.5	1993	14	21.0	1993	15	1993	15	3	1993	2.2	1.3	.6	.2	@	1.9	.8	.3	.0
Apr	.7	.0	#	0	7.0	1987	4	10.0	1987	3	1973	12	#+	1983	.4	.2	@	@	.0	.2	@	.0	.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	.0	.0	#	0	.5	1972	19	.5	1972	#	1981	19	#	1981	@	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.7	.0	#	0	3.0	1995	15	7.4	1976	3	1995	15	1	1976	.7	.3	@	.0	.0	.7	@	.0	.0
Dec	3.5	3.5	#	#	3.5	1973	21	7.9	1976	4+	1999	29	2	1989	3.3	1.1	.2	.0	.0	3.1	.6	.0	.0
Ann	23.3	10.7	N/A	N/A	14.5	Mar 1993	14	32.7	Jan 1978	15+	Jan 1996	8	9	Jan 1977	15.0	7.1	2.0	.6	@	16.3	6.9	4.4	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/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: GLENVILLE, WV

COOP ID: 463544

Climate Division: WV 2

NWS Call Sign:

Elevation: 710 Feet

Lat: 38° 56N

Lon: 80° 50W

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	5/31	5/25	5/21	5/17	5/14	5/11	5/07	5/03	4/27
32	5/23	5/18	5/14	5/10	5/07	5/04	5/01	4/27	4/21
28	5/05	5/01	4/27	4/24	4/22	4/19	4/16	4/13	4/08
24	4/22	4/17	4/13	4/10	4/07	4/05	4/02	3/29	3/24
20	4/16	4/09	4/04	3/31	3/28	3/24	3/20	3/15	3/08
16	4/04	3/26	3/21	3/16	3/11	3/06	3/01	2/23	2/15
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	9/22	9/26	9/29	10/02	10/04	10/07	10/09	10/12	10/17
32	9/30	10/05	10/08	10/11	10/14	10/16	10/19	10/22	10/27
28	10/09	10/15	10/19	10/22	10/26	10/29	11/01	11/05	11/11
24	10/17	10/23	10/27	10/31	11/04	11/07	11/11	11/15	11/21
20	10/26	11/02	11/06	11/10	11/14	11/17	11/21	11/26	12/02
16	11/04	11/12	11/17	11/22	11/26	11/30	12/05	12/10	12/18
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	164	156	151	147	143	138	134	129	122
32	178	171	167	162	159	155	151	146	139
28	208	201	195	190	186	182	177	171	164
24	233	225	219	214	209	205	200	194	186
20	262	251	243	237	231	224	218	210	199
16	297	284	275	267	259	252	244	235	222

* 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

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

Station: GLENVILLE, WV

COOP ID: 463544

Climate Division: WV 2

NWS Call Sign:

Elevation: 710 Feet Lat: 38°56N Lon: 80°50W

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	1083	895	723	415	192	33	4	8	59	371	644	937	5364
60	928	755	568	274	103	8	0	0	17	244	495	782	4174
57	835	671	479	200	63	3	0	0	6	181	410	689	3537
55	773	615	422	156	43	1	0	0	3	145	356	635	3149
50	632	486	286	71	14	0	0	0	0	75	231	490	2285
32	211	126	26	0	0	0	0	0	0	0	13	120	496

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	152	155	327	577	884	1108	1280	1246	1007	666	359	206	7967
55	1	0	9	43	214	419	567	533	320	97	12	8	2223
57	0	0	5	27	173	360	505	471	263	72	6	0	1882
60	0	0	0	11	119	275	412	378	184	42	2	0	1423
65	0	0	0	2	53	151	261	231	76	13	0	0	787
70	0	0	0	0	18	62	127	112	18	3	0	0	340

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	41	60	172	365	656	884	1050	1015	781	440	190	73	41	101	273	638	1294	2178	3228	4243	5024	5464	5654	5727
45	14	27	96	246	501	734	895	860	631	298	108	37	14	41	137	383	884	1618	2513	3373	4004	4302	4410	4447
50	2	10	50	145	359	584	740	705	481	181	51	14	2	12	62	207	566	1150	1890	2595	3076	3257	3308	3322
55	0	0	23	76	227	437	585	550	339	89	18	1	0	0	23	99	326	763	1348	1898	2237	2326	2344	2345
60	0	0	4	32	120	296	430	396	207	39	3	0	0	0	4	36	156	452	882	1278	1485	1524	1527	1527
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	33	56	142	264	429	583	710	681	507	298	139	56	33	89	231	495	924	1507	2217	2898	3405	3703	3842	3898

(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/normal/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