

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: MCCOMB PIKE CO AP, MS

1971-2000

COOP ID: 225614

Climate Division: MS 8

NWS Call Sign: MCB

Elevation: 413 Feet

Lat: 31° 11N

Lon: 90° 28W

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	59.2	38.3	48.8	86	1972	27	56.9	1974	2	1985	21	38.8	1977	516	0	.0	.0	24.6	.3	12.4	.0
Feb	63.6	41.1	52.4	84+	1962	27	58.5	1990	8	1951	2	43.1	1978	360	6	.0	.0	24.8	.2	7.6	.0
Mar	71.0	47.4	59.2	88+	1982	18	64.3	1974	14	1980	3	54.5	1996	206	26	.0	.0	30.4	.0	3.1	.0
Apr	77.2	53.3	65.3	95	1987	21	70.6	1981	28	1987	4	60.7	1983	74	80	.0	.3	30.0	.0	.3	.0
May	83.8	61.7	72.8	100+	1951	31	76.9	2000	41+	1954	4	68.4	1976	7	247	@	3.4	31.0	.0	.0	.0
Jun	89.9	67.9	78.9	102+	1963	14	82.8	1998	46	1984	1	75.8	1983	0	417	.1	17.3	30.0	.0	.0	.0
Jul	91.8	70.9	81.4	103	2000	15	83.6	1980	56	1967	15	78.5	1972	0	507	.6	23.4	31.0	.0	.0	.0
Aug	91.7	70.3	81.0	106	2000	30	84.2	1999	55	1992	29	78.4	1992	0	496	.7	23.4	31.0	.0	.0	.0
Sep	87.2	65.8	76.5	105+	2000	1	81.1	1980	39	1967	29	73.1	1975	1	346	.2	11.7	30.0	.0	.0	.0
Oct	78.8	54.6	66.7	93+	1952	2	72.5	1984	27+	1989	20	60.1	1976	68	121	.0	1.1	31.0	.0	.2	.0
Nov	69.0	46.2	57.6	86+	1978	1	64.8	1985	16	1976	30	49.1	1976	253	31	.0	.0	29.1	.0	4.3	.0
Dec	61.7	40.5	51.1	82+	1951	6	60.2	1971	4	1989	23	42.7	1989	445	14	.0	.0	26.9	.2	10.4	.0
Ann	77.1	54.8	66.0	106	Aug 2000	30	84.2	Aug 1999	2	Jan 1985	21	38.8	Jan 1977	1930	2291	1.6	80.6	349.8	.7	38.3	.0

+ 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

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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	6.72	7.26	6.32	1994	27	12.67	1991	1.39	1981	11.6	7.9	4.4	2.0	2.23	2.86	3.80	4.59	5.36	6.14	7.01	8.01	9.31	11.31	13.17
Feb	5.53	4.99	3.86	1955	5	12.66	1987	1.02	1976	9.9	6.4	3.6	2.3	1.52	2.05	2.84	3.54	4.22	4.94	5.73	6.66	7.88	9.79	11.57
Mar	6.59	6.00	5.26	1980	27	15.85	1980	2.22	1978	10.4	7.4	4.2	2.1	2.86	3.45	4.28	4.95	5.58	6.22	6.91	7.69	8.68	10.19	11.56
Apr	5.78	5.18	8.44	1967	14	16.04	1983	.45	1999	8.8	6.0	3.1	1.8	.83	1.31	2.14	2.94	3.78	4.70	5.76	7.06	8.81	11.67	14.42
May	5.40	5.27	5.15	1980	16	11.23	1975	.53	1988	8.8	6.5	3.4	2.0	1.16	1.66	2.45	3.17	3.89	4.65	5.52	6.56	7.93	10.11	12.17
Jun	4.86	4.03	4.01	1983	6	15.86	1983	.64	1977	10.9	7.2	3.2	1.5	1.01	1.46	2.17	2.82	3.47	4.17	4.96	5.91	7.16	9.16	11.06
Jul	5.51	5.39	4.20	1981	2	12.77	1989	1.62	1983	13.4	8.9	3.3	1.5	1.45	1.97	2.77	3.47	4.16	4.89	5.70	6.65	7.90	9.86	11.70
Aug	5.19	4.50	5.21	1992	26	13.30	1978	.96	1994	11.2	7.5	3.5	1.5	1.26	1.75	2.50	3.18	3.85	4.55	5.34	6.28	7.51	9.46	11.29
Sep	4.68	3.92	3.87	1950	27	10.87	1971	.89	1982	9.6	6.3	3.1	1.7	1.30	1.75	2.42	3.01	3.58	4.18	4.85	5.64	6.66	8.26	9.76
Oct	3.40	3.29	10.98	1964	4	10.11	1984	.12	1978	6.3	4.4	2.0	1.1	.39	.65	1.13	1.60	2.11	2.67	3.33	4.16	5.27	7.12	8.91
Nov	5.06	4.89	5.06	1961	13	12.31	1977	.41	1985	9.8	6.7	3.2	1.9	1.08	1.54	2.28	2.96	3.64	4.36	5.18	6.15	7.44	9.51	11.45
Dec	5.80	4.77	5.22	1982	3	14.41	1971	3.13	1984	10.6	7.1	3.8	1.9	2.15	2.69	3.47	4.12	4.74	5.38	6.07	6.87	7.89	9.47	10.91
Ann	64.52	65.28	10.98	Oct 1964	4	16.04	Apr 1983	.12	Oct 1978	121.3	82.3	40.8	21.3	45.86	49.48	54.10	57.62	60.74	63.75	66.87	70.31	74.49	80.55	85.79

+ 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

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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	.1	.0	#	0	2.0	1977	30	2.2	1977	2+	1977	31	#	1978	.2	.0	.0	.0	.0	.1	.0	.0	.0
Feb	.1	.0	0	0	2.0	1973	9	2.0	1973	#+	1996	3	0	0	.1	.0	.0	.0	.0	.0	.0	.0	.0
Mar	.1	.0	0	0	1.3	1993	12	1.3	1993	#+	1996	7	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Apr	#	.0	0	0	#	1987	3	#	1987	#+	1987	3	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
May	.0	.0	#	0	.0	0	0	.0	0	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	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	#	.0	0	0	#	1976	13	#	1976	#	1976	29	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	.0	.0	0	0	.8	1993	22	.8	1993	#	1975	24	0	0	.1	.0	.0	.0	.0	.0	.0	.0	.0
Ann	.3	.0	N/A	N/A	2.0+	Jan 1977	30	2.2	Jan 1977	2+	Jan 1977	31	#+	May 1996	.4	.0	.0	.0	.0	.1	.0	.0	.0

+ 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	4/16	4/11	4/07	4/04	4/01	3/29	3/26	3/22	3/17
32	4/04	3/29	3/25	3/21	3/18	3/15	3/11	3/07	3/01
28	3/21	3/13	3/07	3/02	2/25	2/20	2/15	2/09	2/01
24	3/06	2/25	2/18	2/12	2/07	2/01	1/26	1/20	1/10
20	2/28	2/19	2/12	2/06	1/30	1/24	1/16	1/05	0/00
16	2/10	1/28	1/17	1/06	12/17	0/00	0/00	0/00	0/00
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	10/18	10/24	10/27	10/31	11/03	11/06	11/09	11/13	11/18
32	10/29	11/05	11/09	11/13	11/16	11/20	11/23	11/28	12/04
28	10/31	11/10	11/18	11/24	11/30	12/05	12/12	12/19	12/29
24	11/17	11/28	12/06	12/12	12/19	12/25	1/01	1/09	1/20
20	12/03	12/16	12/26	1/03	1/12	1/20	1/31	2/16	0/00
16	12/16	12/27	1/06	1/17	2/04	0/00	0/00	0/00	0/00
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	237	230	224	219	215	211	206	200	192
32	265	257	252	247	242	238	233	227	220
28	310	296	288	281	274	267	261	252	241
24	>365	339	327	318	310	302	294	284	272
20	>365	>365	>365	>365	343	330	320	310	297
16	>365	>365	>365	>365	>365	>365	>365	328	316

* 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	516	360	206	74	7	0	0	0	1	68	253	445	1930
60	381	234	106	22	1	0	0	0	0	23	152	312	1231
57	308	171	63	8	0	0	0	0	0	10	105	243	908
55	264	135	41	4	0	0	0	0	0	5	79	204	732
50	175	66	11	0	0	0	0	0	0	1	32	122	407
32	13	0	0	0	0	0	0	0	0	0	0	4	17

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	532	569	843	996	1263	1407	1530	1519	1334	1076	768	595	12432
55	70	61	171	310	550	717	817	806	644	369	157	83	4755
57	52	40	131	254	488	657	755	744	584	311	123	60	4199
60	32	20	81	178	396	567	662	651	494	231	80	35	3427
65	0	6	26	80	247	417	507	496	346	121	31	14	2291
70	0	0	6	23	123	268	352	341	206	47	10	1	1377

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	301	367	592	750	1009	1162	1272	1264	1089	820	518	356	301	668	1260	2010	3019	4181	5453	6717	7806	8626	9144	9500
45	193	254	444	600	854	1012	1117	1109	939	666	379	234	193	447	891	1491	2345	3357	4474	5583	6522	7188	7567	7801
50	107	154	302	453	699	862	962	954	789	513	253	141	107	261	563	1016	1715	2577	3539	4493	5282	5795	6048	6189
55	56	85	185	310	544	712	807	799	639	363	151	79	56	141	326	636	1180	1892	2699	3498	4137	4500	4651	4730
60	20	38	97	183	389	562	652	644	490	227	76	40	20	58	155	338	727	1289	1941	2585	3075	3302	3378	3418
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	192	235	380	489	688	795	868	864	747	541	334	228	192	427	807	1296	1984	2779	3647	4511	5258	5799	6133	6361

(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