

Climatology of the United States

No. 20

1971-2000

Station: CORINTH CITY, MS

COOP ID: 221962

Climate Division: MS 3

NWS Call Sign:

Elevation: 385 Feet

Lat: 34° 55N

Lon: 88° 31W

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	49.3	32.5	40.9	80	1952	1	47.9	1989	-19	1966	30	29.2	1977	748	0	.0	.0	16.6	2.5	19.4	.2
Feb	54.8	36.0	45.4	86	1996	24	52.6	1990	-6	1951	2	33.8	1978	549	0	.0	.0	19.4	.9	14.4	.1
Mar	64.4	43.9	54.2	89	1935	23	60.6	1974	9	1943	3	48.1	1996	351	14	.0	.0	28.2	.1	7.1	.0
Apr	73.5	51.1	62.3	94	1987	22	68.1	1981	25+	1987	4	56.7	1983	132	51	.0	.3	29.9	.0	1.4	.0
May	80.5	60.0	70.3	100	1937	31	74.7	1987	35	1976	4	65.1	1976	29	192	.0	2.4	31.0	.0	.0	.0
Jun	87.9	67.4	77.7	106	1952	28	82.4	1998	43	1966	1	73.6	1974	0	380	.3	13.6	30.0	.0	.0	.0
Jul	92.0	70.9	81.5	111	1930	29	86.1	1980	51	1947	23	78.3	1972	0	510	1.3	23.0	31.0	.0	.0	.0
Aug	91.1	69.0	80.1	110	1930	8	83.9	2000	49	1946	31	76.3	1992	0	467	1.1	20.7	31.0	.0	.0	.0
Sep	84.9	62.7	73.8	105	1951	1	78.6	1998	36+	1965	25	69.1	1974	10	273	.4	8.8	30.0	.0	.0	.0
Oct	75.3	50.2	62.8	96	1954	5	69.1	1984	24+	1957	28	57.3	1976	138	68	.0	.4	30.9	.0	1.7	.0
Nov	63.1	42.3	52.7	88	1935	3	59.0	1985	4	1950	25	43.7	1976	379	9	.0	.0	26.4	@	8.6	.0
Dec	52.7	35.2	44.0	80	1951	31	53.6	1984	-6+	1989	22	32.6	2000	653	2	.0	.0	20.1	1.3	16.1	.1
Ann	72.5	51.8	62.1	111	Jul 1930	29	86.1	Jul 1980	-19	Jan 1966	30	29.2	Jan 1977	2989	1966	3.1	69.2	324.5	4.8	68.7	.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: 1930-2001

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

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No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CORINTH CITY, MS

COOP ID: 221962

Climate Division: MS 3

NWS Call Sign:

Elevation: 385 Feet

Lat: 34°55N

Lon: 88°31W

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	4.92	4.43	6.02	1932	13	12.48	1999	.36	1986	11.1	7.3	3.7	1.3	1.21	1.67	2.39	3.02	3.66	4.32	5.07	5.95	7.11	8.95	10.67
Feb	4.39	4.01	4.30+	1966	10	9.56	1990	.76	1978	9.4	6.8	3.0	1.2	1.42	1.84	2.45	2.98	3.48	4.00	4.57	5.24	6.10	7.44	8.67
Mar	5.99	5.18	4.14	1975	13	17.88	1973	2.42	1987	11.0	8.3	4.1	1.8	2.13	2.69	3.51	4.19	4.85	5.52	6.26	7.11	8.20	9.88	11.43
Apr	5.23	4.76	4.02	1984	21	11.10	1991	.56	1986	9.7	7.3	3.3	1.6	1.65	2.15	2.88	3.51	4.12	4.75	5.45	6.26	7.30	8.93	10.44
May	5.72	5.70	6.22	1991	26	18.39	1991	.65	1992	10.3	7.4	3.6	1.6	1.57	2.12	2.94	3.66	4.37	5.10	5.92	6.89	8.15	10.12	11.97
Jun	4.14	4.32	3.60	1974	1	11.04	1997	.00	1988	9.1	6.6	2.9	1.1	.92	1.51	2.20	2.74	3.26	3.79	4.37	5.05	5.92	7.27	8.52
Jul	4.25	3.92	2.76	1932	4	10.85	1998	.89	1983	9.3	6.3	2.8	1.4	.93	1.33	1.95	2.51	3.08	3.68	4.35	5.16	6.23	7.92	9.52
Aug	3.16	3.21	4.05	1992	28	7.42	1992	.10	1999	7.6	5.3	2.2	.9	.61	.89	1.36	1.78	2.22	2.68	3.21	3.85	4.69	6.05	7.34
Sep	4.15	3.42	6.00	1930	11	12.33	1989	.25	1999	7.8	5.7	2.7	1.3	.55	.89	1.48	2.06	2.67	3.34	4.12	5.07	6.37	8.49	10.54
Oct	3.35	2.97	4.41	1984	8	10.80	1984	.00	2000	6.8	4.8	2.3	1.1	.64	1.10	1.67	2.13	2.56	3.02	3.52	4.11	4.87	6.06	7.17
Nov	5.67	5.35	6.33	1973	27	11.94	1973	1.64	1971	10.1	6.9	3.5	1.9	1.85	2.39	3.18	3.85	4.50	5.17	5.90	6.76	7.87	9.58	11.17
Dec	5.70	4.96	7.26	1991	1	13.94	1991	.56	1980	11.0	7.5	3.7	1.7	1.32	1.85	2.68	3.43	4.17	4.97	5.85	6.91	8.30	10.51	12.59
Ann	56.67	54.44	7.26	Dec 1991	1	18.39	May 1991	.00+	Oct 2000	113.2	80.2	37.8	16.9	40.79	43.88	47.83	50.82	53.47	56.03	58.67	61.59	65.13	70.25	74.67

+ 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: 1930-2001

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

Complete documentation available from:
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Lon: 88°31W

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	1.7	1.0	#	0	9.2	1988	7	9.2	1988	8	1988	8	1	1988	1.2	.6	.1	.1	.0	.6	.1	.0	.0
Feb	1.0	.0	#	0	6.0	1971	8	6.0	1971	4	1979	18	#+	1995	.8	.4	.2	.1	.0	.2	@	.0	.0
Mar	.1	.0	#	0	.8	1980	1	.8	1980	1	1980	1	#+	1984	.1	.0	.0	.0	.0	@	.0	.0	.0
Apr	#	.0	0	0	#	1987	3	#+	1987	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.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	#	1993	30	#+	1993	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.0	.0	#	0	.5	1976	28	.5	1976	1	1976	28	#	1976	.1	.0	.0	.0	.0	@	.0	.0	.0
Dec	.4	.0	#	0	2.1	1989	8	3.4	1985	1	1982	12	#+	1996	.4	.1	.0	.0	.0	@	.0	.0	.0
Ann	3.2	1.0	N/A	N/A	9.2	Jan 1988	7	9.2	Jan 1988	8	Jan 1988	8	1	Jan 1988	2.6	1.1	.3	.2	.0	.8	.1	.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

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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	4/27	4/23	4/19	4/17	4/14	4/12	4/09	4/06	4/01
32	4/19	4/14	4/11	4/08	4/06	4/03	3/31	3/28	3/24
28	4/03	3/29	3/25	3/22	3/20	3/17	3/14	3/10	3/05
24	3/16	3/10	3/05	3/01	2/26	2/22	2/18	2/14	2/08
20	3/13	3/06	2/28	2/24	2/20	2/15	2/11	2/05	1/29
16	3/05	2/24	2/17	2/11	2/05	1/31	1/25	1/17	1/06
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	10/01	10/06	10/09	10/11	10/14	10/17	10/19	10/22	10/27
32	10/08	10/14	10/18	10/22	10/26	10/30	11/03	11/07	11/14
28	10/23	10/28	11/01	11/04	11/07	11/09	11/12	11/16	11/21
24	11/06	11/12	11/16	11/19	11/22	11/26	11/29	12/03	12/09
20	11/16	11/24	11/30	12/05	12/10	12/14	12/19	12/25	1/03
16	11/27	12/08	12/17	12/24	12/30	1/06	1/14	1/23	2/05
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	198	193	189	185	182	179	175	171	166
32	224	217	212	207	203	199	194	189	181
28	252	245	240	235	231	227	223	218	211
24	292	284	278	273	269	264	260	254	246
20	328	315	307	299	292	286	278	269	257
16	>365	>365	342	330	322	314	306	298	286

* 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	748	549	351	132	29	0	0	0	10	138	379	653	2989
60	604	418	225	56	6	0	0	0	2	64	250	510	2135
57	517	342	164	28	2	0	0	0	0	35	185	427	1700
55	462	294	129	16	0	0	0	0	0	21	149	374	1445
50	334	191	62	3	0	0	0	0	0	5	76	259	930
32	53	12	0	0	0	0	0	0	0	0	1	29	95

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	328	387	686	910	1186	1370	1533	1490	1253	953	621	401	11118
55	23	25	102	236	473	680	820	777	563	261	79	32	4071
57	17	17	75	188	413	620	758	715	503	212	56	23	3597
60	10	9	43	126	324	530	665	622	414	148	30	14	2935
65	0	0	14	51	192	380	510	467	273	68	9	2	1966
70	0	0	2	14	93	234	355	314	153	23	0	0	1188

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	133	216	431	650	927	1121	1269	1225	1000	686	370	185	133	349	780	1430	2357	3478	4747	5972	6972	7658	8028	8213
45	71	129	297	501	772	971	1114	1070	850	531	252	105	71	200	497	998	1770	2741	3855	4925	5775	6306	6558	6663
50	34	71	187	363	617	821	959	915	700	382	154	50	34	105	292	655	1272	2093	3052	3967	4667	5049	5203	5253
55	13	31	98	234	462	671	804	760	550	248	83	20	13	44	142	376	838	1509	2313	3073	3623	3871	3954	3974
60	1	5	43	133	311	521	649	605	405	137	38	5	1	6	49	182	493	1014	1663	2268	2673	2810	2848	2853
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	82	143	271	422	618	765	864	832	668	453	236	110	82	225	496	918	1536	2301	3165	3997	4665	5118	5354	5464

(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