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: MAY 2 SSE, ID **COOP ID: 105685**

Climate Division: ID 8 **NWS Call Sign:** **Elevation: 5,050 Feet** **Lat: 44˚34N** **Lon: 113˚54W**

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	30.3	6.3	18.3	56+	1971	30	25.4	1983	-39	1949	25	3.7	1979	1448	0	.0	.0	.3	15.4	30.7	8.2
Feb	37.8	11.4	24.6	64	1950	26	31.9	1991	-35	1956	1	13.6	1989	1131	0	.0	.0	2.9	6.2	27.8	3.8
Mar	47.7	20.6	34.2	77	1978	30	40.7	1992	-20	1960	1	26.0	1985	956	0	.0	.0	14.5	.6	29.1	.2
Apr	57.0	26.7	41.9	83+	1987	27	47.3	1987	8+	1975	2	34.3	1975	695	0	.0	.0	24.9	.0	20.8	.0
May	66.1	34.7	50.4	94	1986	30	56.8	1992	12	1954	1	45.3	1975	452	0	.0	.2	30.4	.0	9.2	.0
Jun	76.2	41.3	58.8	99+	1988	24	65.3	1988	23	1951	3	53.5	1998	211	22	.0	3.0	29.9	.0	1.5	.0
Jul	85.3	45.7	65.5	101	1973	10	71.2	1988	26	1955	5	56.9	1993	81	97	.1	12.2	31.0	.0	.1	.0
Aug	83.6	43.1	63.4	101	1961	3	67.3	1981	27	1978	18	58.5	1993	111	59	.1	9.6	31.0	.0	.5	.0
Sep	74.4	35.5	55.0	95+	1979	7	60.9	1990	12	1985	29	49.3	1986	311	10	.0	1.5	29.8	.0	7.8	.0
Oct	60.8	26.3	43.6	85	1979	1	50.9	1988	-1	1971	29	39.8	1984	664	0	.0	.0	27.4	.1	22.3	@
Nov	41.7	16.6	29.2	71	1965	1	35.5	1999	-24	1985	24	21.3	2000	1075	0	.0	.0	6.8	3.6	28.0	1.5
Dec	30.3	6.9	18.6	59	1987	6	27.9	1980	-40	1983	23	7.1	1985	1439	0	.0	.0	.3	16.1	30.7	7.0
Ann	57.6	26.3	42.0	101+	Jul 1973	10	71.2	Jul 1988	-40	Dec 1983	23	3.7	Jan 1979	8574	188	.2	26.5	229.2	42.0	208.5	20.7

\+ 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: 1948-2001

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

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: MAY 2 SSE, ID **COOP ID: 105685**

Climate Division: ID 8 **NWS Call Sign:** **Elevation: 5,050 Feet** **Lat: 44˚34N** **Lon: 113˚54W**

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	.44	.46	.50	1954	27	.90	1971	.00	1981
Feb	.30	.24	.55	1986	18	1.53	1986	.00+	1982
Mar	.31	.32	.42	1960	28	.74	1986	.00	1989
Apr	.53	.52	.66	1963	1	1.50	1976	.02	1974
May	1.32	1.36	1.21	1952	15	2.95	1980	.22	1974
Jun	1.13	.99	1.45	1953	2	3.15	1984	.00	1988
Jul	.86	.70	1.12	1983	10	2.53	1984	.00+	2000
Aug	.69	.60	.86	1950	5	1.65	1974	.00+	1988
Sep	.66	.59	.92	1968	23	1.68	1986	.00+	1988
Oct	.43	.36	.61	1972	15	1.24	2000	.00+	1988
Nov	.63	.54	1.10	1970	10	1.99	1987	.00	2000
Dec	.54	.44	.82	1955	23	1.59	1981	.00+	2000
Ann	7.84	7.82	1.45	Jun 1953	2	3.15	Jun 1984	.00+	Dec 2000

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	6.1	1.8	@	.0
Feb	4.5	1.0	@	.0
Mar	6.0	1.3	@	@
Apr	7.8	2.1	.1	.0
May	9.6	3.4	.2	@
Jun	10.2	3.8	.2	.0
Jul	6.5	2.4	.3	.1
Aug	5.7	1.9	.2	.0
Sep	5.7	2.5	.1	.0
Oct	5.3	2.1	.1	.0
Nov	2.9	1.4	.1	.0
Dec	5.1	1.5	.0	.0
Ann	75.4	25.2	1.3	.1

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	.05	.10	.18	.24	.31	.37	.45	.54	.66	.86	1.04
Feb	.00	.00	.10	.16	.21	.27	.32	.39	.49	.62	.75
Mar	.06	.11	.16	.20	.24	.29	.33	.38	.45	.56	.66
Apr	.05	.09	.16	.23	.31	.40	.51	.64	.82	1.13	1.42
May	.38	.51	.69	.86	1.02	1.19	1.37	1.59	1.87	2.32	2.73
Jun	.21	.36	.55	.71	.85	1.01	1.18	1.38	1.64	2.04	2.42
Jul	.00	.09	.24	.37	.51	.67	.85	1.07	1.37	1.86	2.34
Aug	.00	.09	.22	.33	.44	.56	.70	.86	1.09	1.45	1.80
Sep	.00	.06	.17	.28	.39	.51	.65	.82	1.06	1.45	1.83
Oct	.00	.08	.17	.23	.30	.37	.45	.53	.65	.84	1.02
Nov	.05	.12	.22	.32	.41	.52	.63	.78	.97	1.29	1.59
Dec	.00	.00	.20	.31	.40	.49	.59	.70	.85	1.06	1.27
Ann	4.99	5.52	6.21	6.74	7.22	7.69	8.17	8.72	9.38	10.36	11.22

\+ 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

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: MAY 2 SSE, ID **COOP ID: 105685**

Climate Division: ID 8 **NWS Call Sign:** **Elevation: 5,050 Feet** **Lat: 44°34N** **Lon: 113°54W**

Snow (inches)

Snow Totals

Means/Medians (1)

Extremes (2)

Mean Number of Days (1)

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	5.5	5.3	3	3	5.4	1982	23	13.5	1975	11	1982	23	6	1986	3.0	2.0	.5	.1	.0	19.8	14.5	9.2	.2
Feb	2.9	1.8	2	2	6.3	1986	12	11.3	1986	10	1986	14	5	1984	2.4	1.4	.2	.1	.0	16.6	9.3	3.5	.2
Mar	1.9	1.0	#	#	6.3	1985	2	6.3	1985	5+	1985	8	3	1984	1.0	.7	.2	.1	.0	4.9	2.0	1.0	.0
Apr	.2	.0	#	0	3.0	1976	1	3.0	1976	3	1976	1	#+	1984	.2	.1	.1	.0	.0	.1	.1	.0	.0
May	#	.0	#	0	#	1984	3	#+	1984	#+	1984	3	#+	1984	.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	.5	1984	24	.5	1984	#	1978	19	#	1978	.1	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.3	.0	#	0	2.5	1985	7	2.5	1985	2	1985	7	#+	1985	.2	.2	.0	.0	.0	.2	.0	.0	.0
Nov	3.7	2.5	1	#	8.5	1985	18	20.9	1985	8	1985	24	4	1985	2.0	1.4	.4	.2	.0	4.2	1.8	.9	.0
Dec	6.9	5.6	2	1	4.5	1977	18	20.9	1983	10	1971	19	8	1971	3.6	2.8	.8	.0	.0	16.2	8.4	5.3	.3
Ann	21.4	16.2	N/A	N/A	8.5	Nov 1985	18	20.9+	Nov 1985	11	Jan 1982	23	8	Dec 1971	12.5	8.6	2.2	.5	.0	62.0	36.1	19.9	.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

(1) Derived from Snow Climatology and 1971-2000 daily data

@ Denotes mean number of days greater than 0 but less than .05

(2) Derived from 1971-2000 daily data

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

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: MAY 2 SSE, ID **COOP ID: 105685**

Climate Division: ID 8 **NWS Call Sign:** **Elevation: 5,050 Feet** **Lat: 44˚34N** **Lon: 113˚54W**

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	7/12	7/07	7/03	6/30	6/27	6/24	6/21	6/17	6/12
32	7/01	6/24	6/19	6/14	6/10	6/06	6/02	5/27	5/20
28	6/17	6/08	6/02	5/27	5/22	5/17	5/12	5/06	4/27
24	5/21	5/15	5/11	5/07	5/04	5/01	4/27	4/23	4/17
20	5/09	5/01	4/26	4/21	4/17	4/13	4/08	4/02	3/26
16	4/27	4/18	4/12	4/06	4/01	3/27	3/21	3/15	3/06

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	8/09	8/15	8/19	8/23	8/26	8/30	9/03	9/07	9/13
32	8/27	8/31	9/04	9/06	9/09	9/12	9/14	9/18	9/22
28	9/02	9/07	9/11	9/15	9/18	9/21	9/24	9/28	10/04
24	9/18	9/23	9/27	9/30	10/03	10/06	10/09	10/12	10/17
20	9/26	10/02	10/06	10/10	10/13	10/17	10/21	10/25	10/31
16	10/06	10/13	10/17	10/21	10/25	10/29	11/02	11/07	11/13

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	84	76	70	64	60	55	50	44	35
32	118	108	101	96	90	85	79	72	62
28	152	140	132	124	118	111	104	96	84
24	170	164	159	155	151	147	143	138	131
20	211	200	192	185	179	172	166	158	147
16	246	232	223	214	207	199	191	181	167

***** 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: MAY 2 SSE, ID **COOP ID: 105685**

Climate Division: ID 8 **NWS Call Sign:** **Elevation: 5,050 Feet** **Lat: 44˚34N** **Lon: 113˚54W**

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	1448	1131	956	695	452	211	81	111	311	664	1075	1439	8574
60	1293	991	801	545	304	108	25	41	188	510	925	1284	7015
57	1200	907	708	457	224	63	11	18	129	418	835	1191	6161
55	1138	851	646	400	176	41	6	10	95	358	775	1129	5625
50	983	711	492	267	84	10	0	1	36	218	625	974	4401
32	448	262	79	15	0	0	0	0	0	4	163	449	1420

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	23	55	146	310	571	801	1039	971	688	363	79	33	5079
55	0	0	0	6	34	152	332	268	94	3	0	0	889
57	0	0	0	2	20	115	275	214	67	2	0	0	695
60	0	0	0	0	7	69	196	143	37	0	0	0	452
65	0	0	0	0	0	22	97	59	10	0	0	0	188
70	0	0	0	0	0	4	32	15	2	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	0	1	35	163	377	605	829	779	494	200	14	0	0	1	36	199	576	1181	2010	2789	3283	3483	3497	3497
45	0	0	2	76	235	456	674	624	349	94	2	0	0	0	2	78	313	769	1443	2067	2416	2510	2512	2512
50	0	0	0	26	125	307	519	469	214	34	0	0	0	0	0	26	151	458	977	1446	1660	1694	1694	1694
55	0	0	0	5	52	180	366	317	106	8	0	0	0	0	0	5	57	237	603	920	1026	1034	1034	1034
60	0	0	0	0	10	81	219	177	35	0	0	0	0	0	0	0	10	91	310	487	522	522	522	522
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	3	51	156	291	414	537	525	392	200	19	0	0	3	54	210	501	915	1452	1977	2369	2569	2588	2588

(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