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: JEROME, ID **COOP ID: 104670**

Climate Division: ID 7 **NWS Call Sign:** **Elevation: 3,740 Feet** **Lat: 42˚44N** **Lon: 114˚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	35.6	18.3	27.0	61	1953	25	35.2	1998	-22	1949	25	16.0	1979	1181	0	.0	.0	1.6	9.9	29.3	1.8
Feb	42.3	22.0	32.2	69+	1986	25	41.1	1992	-16	1950	2	20.1	1985	919	0	.0	.0	7.5	4.3	25.6	1.0
Mar	52.1	27.7	39.9	79	1978	30	47.9	1992	-1	1993	1	30.8	1985	778	0	.0	.0	19.1	.4	23.3	.1
Apr	61.6	33.0	47.3	90+	1992	30	53.4	1990	15	1950	4	39.0	1975	531	0	.0	.1	27.0	.0	14.2	.0
May	70.8	41.1	56.0	98+	2001	25	62.1	1992	19	1953	1	51.4	1975	295	15	.0	1.1	30.6	.0	2.9	.0
Jun	81.0	48.6	64.8	105	1926	26	70.4	1974	28	1920	1	60.0	1984	104	98	.7	7.0	30.0	.0	.1	.0
Jul	90.2	54.9	72.6	108	1973	10	77.9	1985	37+	1959	8	63.5	1993	19	253	2.8	18.6	31.0	.0	.0	.0
Aug	89.5	53.5	71.5	106+	1990	9	75.3	2000	35+	1965	31	65.8	1976	23	224	1.7	18.0	31.0	.0	.0	.0
Sep	78.3	44.6	61.5	102	1955	5	68.6	1990	21	1926	25	54.9	1985	165	59	.1	4.3	30.0	.0	1.3	.0
Oct	65.2	35.1	50.2	94	1992	1	57.7	1988	12	1971	29	45.5	1984	463	2	.0	.1	28.4	.1	10.5	.0
Nov	47.5	25.7	36.6	78	1999	7	43.6	1999	-10	1955	16	27.8	1985	851	0	.0	.0	12.3	2.0	23.4	.2
Dec	36.9	18.6	27.8	65	1999	1	34.5	1980	-24	1990	22	14.9	1985	1154	0	.0	.0	2.7	8.4	28.9	2.1
Ann	62.6	35.3	49.0	108	Jul 1973	10	77.9	Jul 1985	-24	Dec 1990	22	14.9	Dec 1985	6483	651	5.3	49.2	251.2	25.1	159.5	5.2

\+ 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: 1919-2001

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

Issue Date: February 2004

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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	1.40	1.22	1.07	1979	11	3.33	1980	.07	1992
Feb	1.07	.91	1.31	1986	18	4.60	1986	.05	1988
Mar	1.28	1.32	1.01	1973	21	2.88	1989	.03	1992
Apr	.86	.86	1.63	1981	21	2.02	1981	.01	1977
May	1.14	.89	1.03	1958	12	4.86	1998	.00	1992
Jun	.76	.53	1.23	1961	2	2.73	1984	.02	2000
Jul	.22	.10	.52	1985	31	.90	1982	.00+	2000
Aug	.27	.15	.92	1968	20	1.18	1979	.00+	1996
Sep	.49	.31	1.66	1961	9	2.14	1978	.00+	1993
Oct	.77	.66	1.20	1975	26	2.31	1975	.00+	1988
Nov	1.29	1.17	1.43	2001	29	3.27	1988	.04	1976
Dec	1.23	.81	1.45	1964	23	4.77	1996	.00	1976
Ann	10.78	9.98	1.66	Sep 1961	9	4.86	May 1998	.00+	Jul 2000

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	9.9	4.7	.6	@
Feb	8.3	3.4	.3	@
Mar	8.8	4.0	.4	@
Apr	7.7	3.2	.1	@
May	7.5	3.6	.5	.0
Jun	5.5	2.5	.2	.0
Jul	2.3	.8	.1	.0
Aug	2.6	.8	.1	.0
Sep	3.6	1.5	.1	.0
Oct	5.3	2.3	.3	@
Nov	9.0	4.1	.5	@
Dec	8.5	4.2	.4	.0
Ann	79.0	35.1	3.6	.0

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	.21	.33	.53	.73	.93	1.15	1.40	1.71	2.13	2.81	3.46
Feb	.12	.21	.36	.51	.66	.84	1.05	1.31	1.65	2.23	2.79
Mar	.15	.25	.43	.61	.80	1.01	1.26	1.56	1.97	2.65	3.31
Apr	.12	.19	.32	.43	.56	.70	.85	1.05	1.31	1.73	2.14
May	.08	.19	.37	.54	.72	.91	1.13	1.41	1.78	2.39	2.97
Jun	.06	.11	.21	.31	.43	.56	.73	.93	1.21	1.68	2.15
Jul	.00	.00	.00	.03	.07	.12	.19	.27	.39	.60	.80
Aug	.00	.00	.00	.04	.09	.15	.23	.33	.47	.72	.96
Sep	.00	.00	.04	.12	.20	.31	.43	.60	.83	1.22	1.61
Oct	.00	.00	.20	.34	.47	.61	.77	.97	1.23	1.67	2.08
Nov	.15	.25	.43	.61	.80	1.02	1.27	1.57	1.99	2.68	3.35
Dec	.03	.11	.27	.44	.64	.87	1.14	1.50	1.99	2.82	3.64
Ann	6.72	7.47	8.45	9.20	9.88	10.55	11.24	12.02	12.97	14.37	15.60

\+ 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: 1919-2001
(3) Derived from 1971-2000 serially complete daily data

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Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	5.4	4.5	1	0
Feb	3.8	2.3	#	0
Mar	1.3	.0	#	0
Apr	.2	.0	0	0
May	.1	.0	#	0
Jun	.0	.0	0	0
Jul	.0	.0	0	0
Aug	.0	.0	0	0
Sep	.0	.0	0	0
Oct	.2	.0	#	0
Nov	2.3	.0	#	0
Dec	4.6	2.0	#	0
Ann	17.9	8.8	N/A	N/A

Extremes (2)

Month	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year
Jan	4.0	1975	5	13.5	1975	7+	1975	6	4	1975
Feb	6.0	1975	3	11.1	1972	5+	1982	10	2	1982
Mar	6.5	1974	2	9.5	1974	4	1974	3	1	1974
Apr	2.0	1982	1	2.0	1982	0	0	0	0	0
May	1.5	1971	21	1.5	1971	#	1975	7	#	1975
Jun	.0	0	0	.0	0	0	0	0	0	0
Jul	.0	0	0	.0	0	0	0	0	0	0
Aug	.0	0	0	.0	0	0	0	0	0	0
Sep	.0	0	0	.0	0	0	0	0	0	0
Oct	2.5	1971	31	3.3	1971	2	1971	31	#+	1991
Nov	3.0	1979	26	8.5	1979	3+	1986	23	#+	1986
Dec	4.5	1973	29	17.5	1971	7	1971	14	3	1972
Ann	6.5	Mar 1974	2	17.5	Dec 1971	7+	Jan 1975	6	4	Jan 1975

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	-9.9	-9.9	-9.9	-9.9	-9.9
Feb	2.4	1.4	.6	.2	.0
Mar	.8	.2	.1	.1	.0
Apr	.1	.1	.0	.0	.0
May	.1	.1	.0	.0	.0
Jun	.0	.0	.0	.0	.0
Jul	.0	.0	.0	.0	.0
Aug	.0	.0	.0	.0	.0
Sep	.0	.0	.0	.0	.0
Oct	.2	.1	.0	.0	.0
Nov	1.3	.9	.2	.0	.0
Dec	2.5	1.5	.5	.0	.0
Ann	-9.9	-9.9	-9.9	-9.9	-9.9

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	4.3	2.1	.1	.0
Feb	1.9	1.4	.2	.0
Mar	.6	.2	.0	.0
Apr	.0	.0	.0	.0
May	.0	.0	.0	.0
Jun	.0	.0	.0	.0
Jul	.0	.0	.0	.0
Aug	.0	.0	.0	.0
Sep	.0	.0	.0	.0
Oct	@	.0	.0	.0
Nov	.9	.1	.0	.0
Dec	3.2	2.5	1.1	.0
Ann	10.9	6.3	1.4	.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	6/16	6/09	6/05	6/01	5/28	5/25	5/21	5/16	5/10
32	6/01	5/25	5/20	5/16	5/13	5/09	5/05	4/30	4/23
28	5/06	5/01	4/28	4/25	4/22	4/20	4/17	4/13	4/09
24	4/21	4/14	4/08	4/04	3/31	3/26	3/22	3/16	3/09
20	4/03	3/26	3/20	3/15	3/11	3/06	3/01	2/23	2/16
16	3/11	3/04	2/26	2/22	2/17	2/13	2/09	2/03	1/27

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	9/10	9/14	9/17	9/20	9/23	9/26	9/28	10/02	10/06
32	9/19	9/24	9/28	10/01	10/04	10/07	10/10	10/14	10/19
28	10/03	10/08	10/12	10/15	10/18	10/22	10/25	10/29	11/03
24	10/16	10/21	10/24	10/27	10/30	11/02	11/05	11/08	11/13
20	10/26	10/31	11/03	11/07	11/09	11/12	11/15	11/19	11/24
16	11/04	11/10	11/15	11/19	11/23	11/27	12/01	12/05	12/12

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	136	130	125	121	117	113	109	104	97
32	172	163	156	150	144	138	132	125	116
28	202	194	188	183	178	174	169	163	155
24	242	232	225	218	213	207	200	193	183
20	272	262	255	249	243	237	231	224	215
16	308	298	290	284	278	272	265	258	247

***** 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

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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	1181	919	778	531	295	104	19	23	165	463	851	1154	6483
60	1026	779	623	389	174	43	4	5	83	316	701	999	5142
57	933	695	533	309	118	22	1	1	49	236	611	906	4414
55	871	642	476	259	87	13	0	0	32	189	552	844	3965
50	717	511	337	155	33	2	0	0	9	94	411	690	2959
32	247	146	40	4	0	0	0	0	0	1	67	228	733

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	89	151	285	463	743	984	1257	1224	884	563	206	97	6946
55	0	2	8	28	117	307	544	511	227	38	1	0	1783
57	0	0	3	18	86	256	483	450	184	24	0	0	1504
60	0	0	0	8	49	187	393	361	128	10	0	0	1136
65	0	0	0	0	15	98	253	224	59	2	0	0	651
70	0	0	0	0	2	40	141	117	21	0	0	0	321

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	26	99	256	511	760	1025	994	660	346	63	6	0	26	125	381	892	1652	2677	3671	4331	4677	4740	4746
45	0	4	38	145	361	611	870	839	511	217	22	1	0	4	42	187	548	1159	2029	2868	3379	3596	3618	3619
50	0	0	8	72	232	464	715	684	369	117	3	0	0	0	8	80	312	776	1491	2175	2544	2661	2664	2664
55	0	0	0	27	131	321	560	529	238	50	0	0	0	0	0	27	158	479	1039	1568	1806	1856	1856	1856
60	0	0	0	9	59	199	408	377	135	17	0	0	0	0	0	9	68	267	675	1052	1187	1204	1204	1204
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	24	86	192	335	477	631	613	433	251	53	3	0	24	110	302	637	1114	1745	2358	2791	3042	3095	3098

(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:
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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