

Climatography of the United States

No. 20

1971-2000

Station: RIGGINS, ID

COOP ID: 107706

Climate Division: ID 3

NWS Call Sign:

Elevation: 1,800 Feet Lat: 45° 25N

Lon: 116° 19W

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	40.9	26.9	33.9	64+	1953	11	41.0	1990	-10	1957	27	20.7	1979	964	0	.0	.0	3.9	4.0	21.1	.2
Feb	48.5	30.3	39.4	72	1977	20	46.5	1992	-6	1989	4	31.0	1989	717	0	.0	.0	14.1	1.5	15.9	.3
Mar	56.9	34.9	45.9	83+	1978	29	52.4	1992	13	1945	5	38.1	1976	593	0	.0	.0	25.0	.0	10.9	.0
Apr	65.0	39.9	52.5	95+	1987	29	59.2	1987	18	1972	3	44.2	1975	388	11	.0	.4	28.6	.0	3.7	.0
May	72.7	46.0	59.4	101+	2001	24	64.7	1992	25	1982	29	54.3	1999	204	29	.1	2.1	30.6	.0	.4	.0
Jun	80.6	52.3	66.5	108	1940	19	74.1	1986	33	1955	1	61.6	1999	87	130	.8	6.8	29.9	.0	.0	.0
Jul	90.2	57.7	74.0	111	1959	23	82.2	1985	36	1968	1	64.8	1993	18	295	4.4	17.8	31.0	.0	.0	.0
Aug	90.9	57.4	74.2	115	1967	20	80.6	1971	36	1992	24	69.2+	1995	17	301	5.3	18.2	31.0	.0	.2	.0
Sep	80.3	49.5	64.9	110	1950	3	71.0	1990	20	1984	25	59.5	1986	102	99	.3	5.3	30.0	.0	1.5	.0
Oct	66.4	40.5	53.5	95	1963	1	60.7	1988	16	1971	29	48.9	1975	363	4	.0	.1	28.3	.1	5.3	.0
Nov	49.3	32.9	41.1	80+	1999	15	48.1	1999	-2+	1955	16	33.7	1985	717	0	.0	.0	15.0	.8	13.2	.2
Dec	41.0	27.8	34.4	63+	1980	27	40.1	1980	-8	1964	17	26.4	1978	950	0	.0	.0	3.7	3.0	21.8	.6
Ann	65.2	41.3	53.3	115	Aug 1967	20	82.2	Jul 1985	-10	Jan 1957	27	20.7	Jan 1979	5120	869	10.9	50.7	271.1	9.4	94.0	1.3

+ 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: 1940-2001

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

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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: RIGGINS, ID

COOP ID: 107706

Climate Division: ID 3

NWS Call Sign:

Elevation: 1,800 Feet Lat: 45°25N

Lon: 116°19W

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	1.18	1.06	1.58	1965	29	2.78	1976	.25	1992	8.4	4.2	.3	.0	.31	.42	.59	.74	.89	1.05	1.22	1.42	1.69	2.11	2.51
Feb	1.13	1.24	1.25	1956	23	2.17	1978	.23+	1992	8.0	4.1	.2	.0	.29	.39	.56	.70	.85	1.00	1.17	1.37	1.63	2.05	2.44
Mar	1.71	1.59	1.01	1966	16	3.90	1995	.55	1994	11.0	6.3	.5	.0	.70	.85	1.07	1.26	1.43	1.60	1.79	2.00	2.28	2.70	3.08
Apr	1.78	1.62	1.00	1978	6	4.15	1978	.49	1973	10.2	6.1	.6	@	.52	.69	.94	1.16	1.38	1.60	1.85	2.14	2.51	3.10	3.65
May	2.31	2.08	1.75	1990	29	5.51	1998	.77	1982	11.2	6.3	1.4	.1	.77	.99	1.31	1.58	1.85	2.12	2.41	2.76	3.20	3.89	4.52
Jun	1.80	1.71	1.23	1954	10	4.10	1993	.56	2000	9.4	5.4	.9	.0	.60	.77	1.02	1.23	1.44	1.65	1.87	2.14	2.49	3.02	3.51
Jul	1.08	1.01	2.49	1978	4	3.28	1978	.02	1984	5.5	3.1	.4	.1	.09	.16	.30	.45	.61	.80	1.03	1.31	1.71	2.37	3.02
Aug	.91	.78	1.25	1978	13	2.38	1978	.03	1981	4.8	2.9	.3	@	.07	.13	.25	.37	.51	.67	.86	1.10	1.43	2.00	2.55
Sep	1.08	.79	1.12	1940	13	3.41	1985	.00+	1993	5.4	3.3	.5	.0	.00	.00	.12	.27	.45	.67	.94	1.30	1.80	2.68	3.56
Oct	1.12	1.03	1.32	1962	12	2.86	1975	.00+	1987	6.0	3.5	.5	@	.00	.32	.55	.72	.87	1.03	1.19	1.39	1.64	2.03	2.39
Nov	1.52	1.50	1.70	1946	19	4.24	1973	.45+	1987	9.5	5.0	.5	@	.40	.54	.77	.96	1.15	1.35	1.57	1.84	2.18	2.73	3.23
Dec	1.29	1.28	1.20	1975	2	2.90	1996	.05	1989	9.6	4.7	.4	@	.21	.33	.51	.69	.87	1.07	1.30	1.57	1.94	2.54	3.11
Ann	16.91	16.58	2.49	Jul 1978	4	5.51	May 1998	.00+	Sep 1993	99.0	54.9	6.5	.2	11.51	12.54	13.86	14.87	15.77	16.65	17.56	18.56	19.79	21.57	23.13

+ 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: 1940-2001

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

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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Station: RIGGINS, ID

COOP ID: 107706

Climate Division: ID 3

NWS Call Sign:

Elevation: 1,800 Feet

Lat: 45° 25N

Lon: 116° 19W

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	3.0	2.0	1	#	7.0	1993	2	8.0	1997	10	1993	4	10	1993	2.0	1.0	.2	@	.0	-9.9	-9.9	-9.9	-9.9
Feb	1.2	.3	#	0	4.3	1982	2	4.4	1982	2	1985	6	#+	1989	.9	.6	.1	.0	.0	.5	.0	.0	.0
Mar	.2	.0	#	0	5.0	1977	28	5.0	1977	#	1975	26	#	1975	.4	.3	.1	@	.0	.0	.0	.0	.0
Apr	.0	.0	0	0	.4	1972	13	.4	1972	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	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.5	.0	#	0	3.0	1976	25	3.0	1976	4	1992	28	#+	1992	.4	.3	.1	.0	.0	.4	.0	.0	.0
Dec	1.7	.6	#	0	6.0	1996	26	6.0	1996	5	1984	16	2	1977	1.4	.5	.1	.1	.0	2.2	.4	.1	.0
Ann	6.6	2.9	N/A	N/A	7.0	Jan 1993	2	8.0	Jan 1997	10	Jan 1993	4	10	Jan 1993	5.1	2.7	.6	.1	.0	-9.9	-9.9	-9.9	-9.9

+ 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	6/02	5/25	5/20	5/15	5/11	5/06	5/01	4/26	4/18
32	5/15	5/06	4/30	4/25	4/20	4/15	4/10	4/04	3/26
28	4/29	4/17	4/09	4/01	3/25	3/18	3/11	3/02	2/18
24	3/29	3/19	3/11	3/04	2/26	2/20	2/14	2/06	1/27
20	3/17	3/06	2/25	2/18	2/11	2/04	1/27	1/17	12/29
16	3/05	2/19	2/09	2/01	1/23	1/14	1/03	12/18	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	9/01	9/10	9/15	9/20	9/25	9/30	10/05	10/11	10/19
32	9/09	9/18	9/26	10/02	10/07	10/13	10/19	10/26	11/05
28	9/19	10/01	10/09	10/16	10/23	10/29	11/05	11/14	11/25
24	10/16	10/27	11/04	11/11	11/17	11/23	11/30	12/08	12/18
20	10/25	11/05	11/14	11/21	11/27	12/04	12/12	12/22	1/09
16	11/06	11/19	11/28	12/06	12/14	12/23	1/03	1/23	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	176	163	153	145	137	129	121	111	98
32	213	198	187	178	170	161	152	141	126
28	265	246	233	221	211	200	189	175	157
24	312	295	283	272	263	253	243	231	214
20	>365	343	320	304	292	279	267	253	234
16	>365	>365	>365	359	334	316	300	283	261

* 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	964	717	593	388	204	87	18	17	102	363	717	950	5120
60	809	577	440	260	105	34	4	3	42	224	567	795	3860
57	716	493	353	195	62	17	1	1	20	154	478	702	3192
55	654	438	298	159	41	10	0	0	12	115	420	640	2787
50	506	308	176	84	12	1	0	0	2	45	284	486	1904
32	103	26	2	0	0	0	0	0	0	0	18	81	230

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	162	232	433	613	848	1033	1300	1307	987	664	291	154	8024
55	0	1	15	82	175	353	587	594	309	66	3	0	2185
57	0	0	8	58	135	300	526	532	257	44	1	0	1861
60	0	0	3	33	85	227	436	442	188	20	0	0	1434
65	0	0	0	11	29	130	295	301	99	4	0	0	869
70	0	0	0	2	7	62	177	181	42	0	0	0	471

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	29	89	217	387	599	801	1032	1040	710	399	115	27	29	118	335	722	1321	2122	3154	4194	4904	5303	5418	5445
45	1	27	107	249	445	651	877	885	561	264	45	4	1	28	135	384	829	1480	2357	3242	3803	4067	4112	4116
50	0	3	37	135	305	502	722	730	415	146	11	0	0	3	40	175	480	982	1704	2434	2849	2995	3006	3006
55	0	0	9	62	182	358	567	577	277	69	0	0	0	0	9	71	253	611	1178	1755	2032	2101	2101	2101
60	0	0	0	21	91	228	418	426	164	22	0	0	0	0	0	21	112	340	758	1184	1348	1370	1370	1370
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	1	49	136	245	368	493	641	644	456	249	54	3	1	50	186	431	799	1292	1933	2577	3033	3282	3336	3339

(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