

Climatology of the United States

No. 20

1971-2000

Station: AVERY RS #2, ID

COOP ID: 100528

Climate Division: ID 4

NWS Call Sign:

Elevation: 2,390 Feet Lat: 47° 15N

Lon: 115° 56W

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	32.1	21.4	26.8	48	1984	27	32.5	1983	-17	1979	1	12.3	1979	1186	0	.0	.0	.0	15.4	28.9	1.8
Feb	36.7	23.8	30.3	54	1984	28	36.3	1991	-20+	1985	4	20.0	1985	974	0	.0	.0	2.1	6.6	24.6	.9
Mar	47.2	28.9	38.1	75	1978	30	44.8	1978	0	1976	4	33.6	1976	835	0	.0	.0	9.1	.4	23.1	@
Apr	58.4	34.3	46.4	88+	1987	29	51.0	1987	21	1973	7	40.5	1997	559	0	.0	.0	21.9	.0	13.6	.0
May	68.2	40.6	54.4	96+	1986	30	59.7	1979	24	1988	5	47.1	1996	337	8	.0	.4	29.3	.0	3.2	.0
Jun	76.0	46.7	61.4	100	1992	24	67.7	1992	30	1983	29	57.5	1975	155	45	@	2.2	30.0	.0	.2	.0
Jul	84.5	50.3	67.4	103	1994	22	74.1	1998	34+	1983	21	58.9	1993	68	143	.5	9.1	31.0	.0	.0	.0
Aug	84.7	49.5	67.1	104	1969	23	71.0	1986	34+	1993	25	61.8	1980	64	129	.4	8.7	31.0	.0	@	.0
Sep	73.3	43.2	58.3	99	1988	4	64.7	1998	24+	1985	28	52.7	1971	233	30	.0	1.1	29.8	.0	1.9	.0
Oct	56.2	34.9	45.6	84+	1987	7	52.5	1988	11	1971	29	41.5	1985	604	0	.0	.0	22.1	.1	10.7	.0
Nov	38.4	28.1	33.3	62	1987	1	39.4	1999	-2+	1993	25	22.1	1985	952	0	.0	.0	2.1	4.6	20.5	.2
Dec	31.2	22.5	26.9	50	1977	4	32.2	1981	-23	1968	30	17.3	1985	1183	0	.0	.0	@	16.4	28.2	1.0
Ann	57.2	35.4	46.3	104	Aug 1969	23	74.1	Jul 1998	-23	Dec 1968	30	12.3	Jan 1979	7150	355	.9	21.5	208.4	43.5	154.9	3.9

+ 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

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1968-2001

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

008-A

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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: AVERY RS #2, ID

COOP ID: 100528

Climate Division: ID 4

NWS Call Sign:

Elevation: 2,390 Feet Lat: 47°15N

Lon: 115°56W

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	5.19	5.17	2.45	1984	27	10.15	1971	.92	1985	16.5	11.7	2.8	.6	1.70	2.19	2.91	3.53	4.12	4.74	5.41	6.19	7.20	8.76	10.21
Feb	3.70	3.45	2.30	1982	16	8.00	1972	.77	1973	13.3	8.6	2.0	.3	1.05	1.40	1.93	2.39	2.85	3.32	3.84	4.45	5.25	6.49	7.66
Mar	3.34	3.40	1.60	1984	24	5.81	1989	.74	1992	14.8	9.3	1.3	.1	1.07	1.39	1.86	2.26	2.64	3.04	3.48	3.99	4.65	5.67	6.62
Apr	2.74	2.64	1.65	1996	24	6.20	1996	.41	1977	13.6	8.0	.7	.1	.98	1.24	1.61	1.92	2.22	2.53	2.86	3.25	3.75	4.51	5.22
May	3.15	2.76	1.50	1979	5	5.53	1998	1.03	1982	13.1	7.7	2.0	.2	1.24	1.53	1.95	2.29	2.61	2.94	3.30	3.71	4.24	5.04	5.77
Jun	2.30	2.07	1.35	1971	28	5.36	1981	.00	1985	11.2	6.2	1.0	.1	.43	.75	1.13	1.45	1.75	2.07	2.41	2.82	3.35	4.17	4.94
Jul	1.46	1.37	1.27	1981	7	3.87	1983	.00+	1985	7.2	3.9	.7	.2	.00	.19	.47	.70	.93	1.19	1.48	1.82	2.29	3.05	3.78
Aug	1.34	.90	1.10	1975	23	4.26	1976	.00	1985	6.0	3.5	.8	.1	.04	.13	.31	.50	.72	.96	1.26	1.63	2.15	3.03	3.90
Sep	1.99	2.17	1.83	1976	23	4.44	1986	.05	1987	8.2	5.5	1.2	.1	.21	.35	.63	.90	1.20	1.54	1.93	2.42	3.10	4.22	5.31
Oct	2.67	2.41	1.43	1994	27	6.05	1975	.03	1987	10.2	7.1	1.4	.1	.23	.41	.77	1.14	1.55	2.01	2.56	3.26	4.21	5.81	7.38
Nov	4.81	4.94	2.20	1999	26	8.50	1995	1.62	1979	16.4	11.0	2.4	.5	1.88	2.32	2.96	3.48	3.98	4.49	5.04	5.67	6.48	7.71	8.84
Dec	4.85	4.58	2.80	1977	2	10.43	1977	1.22	1985	16.0	10.9	2.8	.3	1.81	2.26	2.91	3.46	3.97	4.50	5.07	5.74	6.58	7.89	9.08
Ann	37.54	37.36	2.80	Dec 1977	2	10.43	Dec 1977	.00+	Aug 1985	146.5	93.4	19.1	2.7	26.41	28.55	31.30	33.39	35.25	37.06	38.92	40.98	43.47	47.10	50.25

+ 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: 1968-2001

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

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Station: AVERY RS #2, ID

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Climate Division: ID 4

NWS Call Sign:

Elevation: 2,390 Feet

Lat: 47° 15N

Lon: 115° 56W

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	25.8	29.1	13	11	19.0	1975	13	49.7	1972	36	1975	13	27	1972	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
Feb	16.0	14.6	12	9	12.0	1972	24	40.0	1972	39+	1975	10	33	1975	8.4	5.4	1.5	.6	.1	-9.9	-9.9	-9.9	-9.9
Mar	4.6	5.0	6	#	7.3	1974	4	13.4	1971	33	1972	4	26	1976	4.5	2.2	.2	.1	.0	7.7	6.3	5.6	3.9
Apr	.3	.0	#	0	1.2	1974	1	1.7	1974	23	1975	1	6	1975	.4	.1	.0	.0	.0	.6	.4	.4	.3
May	.0	.0	#	0	.3	2000	11	.3	2000	#	2000	12	#	2000	.1	.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	.4	.0	#	0	3.0	1971	27	6.0	1971	2	1971	31	#	1971	.2	.1	.1	.0	.0	.2	.0	.0	.0
Nov	9.5	7.7	1	0	10.0	1978	28	26.4	1975	20	1975	30	3	1975	4.8	3.5	1.0	.3	.1	6.0	3.8	1.4	.7
Dec	23.0	19.3	7	4	13.6	1973	28	61.4	1971	42	1996	28	25	1996	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
Ann	79.6	75.7	N/A	N/A	19.0	Jan 1975	13	61.4	Dec 1971	42	Dec 1996	28	33	Feb 1975	-9.9	-9.9	-9.9	-9.9	-9.9	-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

Complete documentation available from:

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Lon: 115° 56W

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	7/04	6/24	6/17	6/11	6/06	5/31	5/25	5/18	5/08
32	6/09	6/01	5/26	5/21	5/16	5/11	5/06	4/30	4/22
28	5/16	5/08	5/03	4/28	4/23	4/19	4/14	4/08	3/31
24	4/23	4/14	4/08	4/03	3/29	3/25	3/19	3/13	3/05
20	3/28	3/21	3/15	3/11	3/06	3/02	2/25	2/20	2/12
16	3/20	3/11	3/05	2/27	2/22	2/17	2/12	2/05	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	8/25	8/31	9/05	9/09	9/13	9/17	9/21	9/26	10/02
32	9/06	9/12	9/16	9/20	9/23	9/27	9/30	10/04	10/10
28	9/29	10/04	10/07	10/10	10/13	10/16	10/19	10/23	10/28
24	10/08	10/17	10/24	10/30	11/04	11/09	11/15	11/22	12/01
20	10/28	11/05	11/10	11/14	11/19	11/23	11/27	12/03	12/10
16	11/03	11/13	11/21	11/27	12/03	12/08	12/14	12/22	1/01
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	123	114	106	99	91	84	74	62
32	166	153	144	137	130	122	115	106	93
28	200	191	184	178	172	167	161	154	144
24	256	244	234	226	219	212	204	194	182
20	288	277	270	263	257	251	244	236	226
16	322	309	299	290	282	275	266	256	243

* 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	1186	974	835	559	337	155	68	64	233	604	952	1183	7150
60	1031	834	680	411	206	72	22	19	130	449	802	1028	5684
57	938	750	587	326	143	38	11	9	83	359	712	935	4891
55	876	694	525	273	108	23	6	3	58	300	652	873	4391
50	721	554	376	157	43	5	0	0	19	170	507	718	3270
32	235	139	33	1	0	0	0	0	0	3	112	224	747

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	72	89	220	432	693	880	1098	1089	787	422	150	65	5997
55	0	0	0	14	88	212	390	379	156	6	0	0	1245
57	0	0	0	7	61	168	333	322	120	3	0	0	1014
60	0	0	0	2	32	111	252	240	77	1	0	0	715
65	0	0	0	0	8	45	143	129	30	0	0	0	355
70	0	0	0	0	0	12	66	54	9	0	0	0	141

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	7	40	181	422	616	821	822	526	197	20	0	0	7	47	228	650	1266	2087	2909	3435	3632	3652	3652
45	0	0	7	82	278	466	666	667	379	88	1	0	0	0	7	89	367	833	1499	2166	2545	2633	2634	2634
50	0	0	0	31	157	321	512	512	240	29	0	0	0	0	0	31	188	509	1021	1533	1773	1802	1802	1802
55	0	0	0	7	72	189	361	362	130	5	0	0	0	0	0	7	79	268	629	991	1121	1126	1126	1126
60	0	0	0	0	24	93	221	220	51	0	0	0	0	0	0	0	24	117	338	558	609	609	609	609
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	6	28	121	269	374	508	514	336	119	2	0	0	6	34	155	424	798	1306	1820	2156	2275	2277	2277

(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,
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