

Climatology of the United States

No. 20 1971-2000

Station: PIOCHE, NV

COOP ID: 266252

Climate Division: NV 3

NWS Call Sign:

Elevation: 6,180 Feet Lat: 37° 57N

Lon: 114° 28W

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	41.8	20.9	31.4	67	2001	1	39.0	1986	-11	1963	12	23.2	1979	1042	0	.0	.0	7.1	4.3	28.9	.5
Feb	45.9	24.0	35.0	72	1986	25	41.2	1991	-8	1989	6	30.1	1985	842	0	.0	.0	10.3	1.8	23.9	.2
Mar	51.2	28.3	39.8	77	1997	27	47.1	1972	4	1966	3	32.4	1973	784	0	.0	.0	18.5	.3	21.2	.0
Apr	59.3	34.3	46.8	82	1981	30	54.6	1989	12	1963	22	37.5	1975	551	5	.0	.0	25.5	.0	11.3	.0
May	68.4	43.1	55.8	91	1951	26	62.6	1984	21+	1975	21	48.9	1977	316	29	.0	.0	30.2	.0	3.0	.0
Jun	79.7	52.0	65.9	102	1954	22	70.7	1974	30+	1950	8	58.9	1998	88	113	.0	3.7	29.9	.0	.2	.0
Jul	86.7	58.7	72.7	102	1989	7	77.2	1989	43+	1982	1	69.4	1992	6	245	.2	11.3	31.0	.0	.0	.0
Aug	84.6	56.8	70.7	99+	1958	11	74.8	1996	38+	1963	22	66.8	1976	11	188	.0	7.4	31.0	.0	.0	.0
Sep	76.5	49.2	62.9	96	1950	2	66.8	1979	25	1948	26	57.6	1986	117	53	.0	.7	30.0	.0	.3	.0
Oct	65.0	38.3	51.7	86	1996	8	59.4	1988	4	1983	1	45.2	1984	425	11	.0	.0	28.9	.1	6.1	.0
Nov	50.9	27.6	39.3	74+	1949	4	49.8	1999	2	1994	29	27.4	1994	773	0	.0	.0	17.1	.7	19.5	.0
Dec	43.3	21.0	32.2	67+	1995	7	39.7	1980	-5	1972	10	24.7	1971	1018	0	.0	.0	9.7	3.4	28.5	.4
Ann	62.8	37.9	50.4	102+	Jul 1989	7	77.2	Jul 1989	-11	Jan 1963	12	23.2	Jan 1979	5973	644	.2	23.1	269.2	10.6	142.9	1.1

+ 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: 1948-2001

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

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: PIOCHE, NV

COOP ID: 266252

Climate Division: NV 3

NWS Call Sign:

Elevation: 6,180 Feet Lat: 37° 57N

Lon: 114° 28W

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	1.50	1.17	2.26	1969	25	5.31	1993	.00	1989	5.1	3.7	1.0	.1	.02	.10	.27	.47	.71	1.00	1.35	1.81	2.46	3.57	4.70	
Feb	1.59	.93	2.08	1978	10	6.02	1998	.00+	1991	5.3	3.8	.9	.3	.00	.00	.15	.37	.63	.95	1.36	1.90	2.66	4.01	5.37	
Mar	1.83	1.56	1.46	1992	8	5.22	1992	.00+	1997	6.3	4.8	1.2	.1	.00	.00	.28	.56	.88	1.25	1.69	2.26	3.04	4.37	5.70	
Apr	.95	.63	1.20	1981	18	3.51	1978	.00+	1992	3.9	2.5	.5	@	.00	.00	.12	.28	.45	.65	.89	1.19	1.61	2.29	2.98	
May	1.17	.85	1.46	1989	13	4.23	1977	.00	1984	5.0	3.0	.7	.2	.05	.15	.32	.49	.68	.88	1.13	1.43	1.85	2.55	3.23	
Jun	.52	.18	.93+	1982	18	2.75	1998	.00+	1996	3.0	1.2	.3	.0	.00	.00	.00	.03	.10	.21	.35	.56	.88	1.46	2.07	
Jul	.92	.65	1.94	1970	22	3.14	1996	.00	1995	3.9	2.3	.5	.1	.02	.08	.20	.33	.47	.64	.85	1.11	1.48	2.11	2.73	
Aug	1.27	1.12	1.98	1971	22	3.71	1983	.00+	1985	5.2	3.1	.7	.2	.00	.21	.46	.67	.87	1.08	1.32	1.59	1.97	2.56	3.13	
Sep	.96	.51	2.68	1966	19	3.71	1997	.00+	1995	3.6	2.2	.5	.1	.00	.00	.11	.25	.41	.61	.85	1.17	1.61	2.38	3.16	
Oct	1.14	.96	1.55	1978	31	3.78	1974	.00+	1999	4.0	2.7	.7	.1	.00	.11	.31	.49	.68	.89	1.13	1.42	1.82	2.48	3.12	
Nov	.94	.59	1.90	1996	21	4.79	1987	.00+	1995	3.3	2.4	.6	.1	.00	.00	.17	.32	.48	.67	.89	1.17	1.55	2.19	2.82	
Dec	.97	.75	3.02	1966	5	3.97	1971	.00	1999	3.9	2.7	.6	.1	.02	.07	.19	.32	.47	.66	.88	1.17	1.58	2.29	2.99	
Ann	13.76	12.37	3.02	Dec 1966	5	6.02	Feb 1998	.00+	Dec 1999	52.5	34.4	8.2	1.4	7.23	8.35	9.86	11.06	12.16	13.26	14.42	15.73	17.36	19.80	21.98	

+ 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

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Lat: 37°57N

Lon: 114°28W

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	14.8	2.1	3	1	18.0	1997	13	52.0	1993	20+	1988	19	15	1985	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
Feb	9.9	1.6	3	#	10.0	1993	9	46.0	1993	19	1990	8	15	1985	1.8	1.8	1.1	.6	.2	-9.9	-9.9	-9.9	-9.9
Mar	1.9	.0	1	0	8.0	1994	26	8.5	1975	13	1973	13	9	1973	.7	.6	.3	.1	.0	.4	.2	.1	.0
Apr	1.8	.0	#	0	6.0	1976	15	11.0	1976	6	1976	15	#+	1995	.6	.6	.2	.2	.0	.3	.1	.1	.0
May	.0	.0	0	0	.5	1971	4	.5	1971	16	1975	20	1	1975	.1	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.2	.0	0	0	4.0	1993	6	4.0	1993	0	0	0	0	0	.1	.1	.1	.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	1.0	.0	#	0	6.5	1971	28	6.5	1971	7	1971	28	1	1971	.3	.3	.1	.1	.0	.2	.2	.1	.0
Nov	.6	.0	#	0	6.0	1985	29	6.0	1993	12	1975	29	2	1972	.5	.5	.3	.1	.0	.0	.0	.0	.0
Dec	1.9	.0	1	0	9.0	1992	29	11.0	1993	15	1984	21	7	1984	1.0	.9	.7	.5	.0	-9.9	-9.9	-9.9	-9.9
Ann	32.1	3.7	N/A	N/A	18.0	Jan 1997	13	52.0	Jan 1993	20+	Jan 1988	19	15+	Feb 1985	-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

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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	6/18	6/11	6/06	6/02	5/29	5/25	5/21	5/16	5/09
32	6/06	5/30	5/24	5/20	5/16	5/11	5/07	5/01	4/24
28	5/18	5/11	5/06	5/02	4/28	4/24	4/20	4/15	4/08
24	5/05	4/27	4/21	4/16	4/11	4/06	4/01	3/26	3/18
20	4/20	4/11	4/04	3/29	3/24	3/18	3/13	3/06	2/24
16	4/01	3/22	3/15	3/09	3/03	2/26	2/20	2/13	2/03
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	9/15	9/21	9/26	9/29	10/03	10/06	10/09	10/14	10/20
32	9/27	10/03	10/07	10/10	10/14	10/17	10/20	10/24	10/30
28	10/03	10/10	10/15	10/19	10/23	10/27	10/31	11/05	11/12
24	10/13	10/19	10/24	10/27	10/31	11/03	11/07	11/11	11/17
20	10/20	10/27	11/01	11/05	11/09	11/13	11/17	11/22	11/29
16	10/29	11/06	11/12	11/17	11/22	11/26	12/01	12/07	12/15
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	154	144	137	131	126	120	114	107	98
32	178	169	162	156	150	145	139	132	122
28	208	198	190	184	178	172	165	158	147
24	232	222	214	208	202	196	189	182	171
20	265	253	244	237	229	222	215	206	193
16	296	284	276	269	263	256	249	241	229

* 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)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	1042	842	784	551	316	88	6	11	117	425	773	1018	5973
60	887	702	630	414	204	36	0	1	47	293	626	863	4703
57	794	618	541	336	150	18	0	0	24	225	541	770	4017
55	732	562	483	289	119	11	0	0	14	185	485	708	3588
50	577	422	345	189	58	3	0	0	3	105	354	555	2611
32	138	52	40	13	0	0	0	0	0	3	55	128	429

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	119	135	279	457	735	1015	1263	1200	926	612	272	133	7146
55	0	0	9	43	141	336	550	487	250	81	12	0	1909
57	0	0	6	30	110	283	488	425	200	58	7	0	1607
60	0	0	2	17	71	211	395	333	134	33	3	0	1199
65	0	0	0	5	29	113	245	188	53	11	0	0	644
70	0	0	0	0	10	47	118	77	13	1	0	0	266

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	18	41	108	259	513	793	1032	978	712	400	110	16	18	59	167	426	939	1732	2764	3742	4454	4854	4964	4980
45	0	9	43	149	364	644	877	823	563	264	43	0	0	9	52	201	565	1209	2086	2909	3472	3736	3779	3779
50	0	0	10	72	235	495	722	668	415	151	11	0	0	0	10	82	317	812	1534	2202	2617	2768	2779	2779
55	0	0	0	23	126	352	567	513	274	71	0	0	0	0	0	23	149	501	1068	1581	1855	1926	1926	1926
60	0	0	0	1	50	220	412	359	149	20	0	0	0	0	0	1	51	271	683	1042	1191	1211	1211	1211
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	21	38	77	173	313	513	674	641	451	253	77	27	21	59	136	309	622	1135	1809	2450	2901	3154	3231	3258

(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 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/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