

Climatology of the United States

No. 20

1971-2000

Station: PAHRUMP, NV

COOP ID: 265890

Climate Division: NV 4

NWS Call Sign:

Elevation: 2,674 Feet Lat: 36° 17N

Lon: 116° 00W

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	57.5	27.7	42.6	79	1959	17	48.4	1986	4	1962	12	37.0	1979	696	0	.0	.0	26.5	@	23.6	.0
Feb	62.5	32.3	47.4	85	1986	27	52.4	1995	6	1989	7	42.8	1994	492	0	.0	.0	26.4	.2	14.6	.0
Mar	67.5	37.9	52.7	89	1997	21	58.2	1972	15	1962	14	46.2	1991	387	6	.0	.0	30.4	.0	6.5	.0
Apr	75.0	43.6	59.3	97	1981	30	65.7	1989	18+	1983	2	49.8	1983	216	45	.0	1.7	29.9	.0	.9	.0
May	83.9	52.0	68.0	105	1950	28	75.7	1997	29	1964	7	61.3	1977	83	176	1.0	9.4	31.0	.0	.1	.0
Jun	94.7	60.4	77.6	115	1961	21	82.4	2000	38	1995	17	72.4	1995	4	379	9.1	23.8	30.0	.0	.0	.0
Jul	100.3	67.2	83.8	115+	1960	18	86.5	1996	49	1963	1	79.5	1987	0	582	18.9	29.9	31.0	.0	.0	.0
Aug	98.8	65.2	82.0	112	1977	1	86.2	1998	42	1962	30	78.0	1976	0	527	15.5	29.5	31.0	.0	.0	.0
Sep	91.8	56.7	74.3	111	1950	2	79.3	1974	35+	1965	20	69.2	1986	10	287	4.0	20.3	30.0	.0	.0	.0
Oct	80.3	44.3	62.3	103	1958	3	67.9	1988	19	1970	28	57.7	1971	141	58	@	5.3	31.0	.0	1.6	.0
Nov	66.5	33.3	49.9	88	1966	1	56.0	1999	11+	1961	22	42.6	1994	453	1	.0	.0	29.2	.0	12.9	.0
Dec	57.9	26.4	42.2	77	1980	16	46.8	1981	-2	1990	23	35.2	1990	709	0	.0	.0	27.2	.1	23.8	.1
Ann	78.1	45.6	61.8	115+	Jun 1961	21	86.5	Jul 1996	-2	Dec 1990	23	35.2	Dec 1990	3191	2061	48.5	119.9	353.6	.3	84.0	.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

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No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PAHRUMP, NV

COOP ID: 265890

Climate Division: NV 4

NWS Call Sign:

Elevation: 2,674 Feet Lat: 36°17N

Lon: 116°00W

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	.73	.53	1.22	1980	29	3.87	1995	.00+	1984	4.0	2.3	.4	@	.00	.00	.07	.19	.32	.47	.66	.90	1.24	1.80	2.37
Feb	.83	.39	2.40	1979	1	3.32	1998	.00+	1977	3.8	2.1	.5	.1	.00	.01	.07	.16	.28	.44	.65	.95	1.38	2.16	2.97
Mar	.82	.70	1.03	1983	3	2.94	1992	.00+	1997	4.3	2.3	.3	@	.00	.00	.04	.14	.28	.45	.67	.96	1.39	2.13	2.90
Apr	.31	.16	1.44	1988	15	2.34	1988	.00+	1996	2.2	.9	.1	@	.00	.00	.00	.01	.06	.13	.22	.35	.55	.89	1.24
May	.29	.15	.71	1977	9	1.42	1977	.00+	2000	1.9	1.0	@	.0	.00	.00	.00	.04	.10	.16	.24	.35	.51	.78	1.06
Jun	.09	.01	.47	1969	16	.46	1993	.00+	1994	1.0	.3	.0	.0	.00	.00	.00	.00	.00	.00	.03	.07	.15	.30	.45
Jul	.39	.04	2.00	1990	16	3.10	1990	.00+	2000	1.8	.6	.2	.1	.00	.00	.00	.00	.02	.09	.20	.37	.66	1.20	1.78
Aug	.40	.19	1.95	1984	19	3.11	1984	.00+	1997	2.1	.9	.2	.1	.00	.00	.00	.03	.11	.20	.32	.47	.70	1.10	1.50
Sep	.31	.10	1.55	1972	18	1.82	1997	.00+	1996	1.9	.8	.1	.1	.00	.00	.01	.03	.07	.13	.22	.34	.52	.86	1.21
Oct	.19	.09	.52	1958	25	.77	1974	.00+	1999	1.7	.7	@	.0	.00	.00	.00	.01	.05	.09	.15	.22	.33	.52	.72
Nov	.36	.10	1.69	1960	7	2.08	1984	.00+	2000	2.0	.8	.2	.0	.00	.00	.00	.00	.02	.10	.21	.37	.63	1.09	1.57
Dec	.46	.23	.90	1977	28	1.86	1984	.00+	1999	3.0	1.4	.2	.0	.00	.00	.01	.06	.14	.24	.36	.53	.79	1.23	1.69
Ann	5.18	4.35	2.40	Feb 1979	1	3.87	Jan 1995	.00+	Nov 2000	29.7	14.1	2.2	.4	1.90	2.38	3.08	3.67	4.23	4.80	5.42	6.14	7.07	8.48	9.79

+ 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:
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COOP ID: 265890

Climate Division: NV 4

NWS Call Sign:

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Lat: 36° 17N

Lon: 116° 00W

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	.1	.0	#	0	1.3	1979	31	1.3	1979	2	1990	18	#+	1990	.1	@	.0	.0	.0	.1	.0	.0	.0
Feb	.1	.0	0	0	1.5	1979	1	1.6	1979	0	0	0	0	0	.1	@	.0	.0	.0	.0	.0	.0	.0
Mar	#	.0	0	0	#	1990	5	#+	1990	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Apr	.0	.0	0	0	.0	0	0	.0	0	0	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	#	1996	29	#	1996	#	1996	29	#	1996	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.0	.0	#	0	.1	1975	28	.1	1975	1	1975	28	#	1975	@	.0	.0	.0	.0	@	.0	.0	.0
Dec	.1	.0	#	0	1.8	1998	6	1.8+	1998	2	1998	6	#	1998	@	@	.0	.0	.0	@	.0	.0	.0
Ann	.3	.0	N/A	N/A	1.8	Dec 1998	6	1.8+	Dec 1998	2+	Dec 1998	6	#+	Dec 1998	.2	@	.0	.0	.0	.1	.0	.0	.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

Complete documentation available from:

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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	5/12	5/05	4/30	4/26	4/22	4/18	4/13	4/08	4/01
32	4/25	4/17	4/12	4/07	4/03	3/29	3/24	3/19	3/11
28	4/02	3/24	3/18	3/13	3/08	3/02	2/25	2/19	2/10
24	3/22	3/12	3/05	2/28	2/22	2/17	2/11	2/04	1/26
20	3/11	2/26	2/16	2/08	1/31	1/23	1/14	1/04	12/19
16	2/09	1/29	1/21	1/14	1/08	12/31	12/23	12/10	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	10/05	10/10	10/14	10/18	10/21	10/24	10/27	10/31	11/06
32	10/15	10/20	10/24	10/28	10/31	11/03	11/06	11/10	11/16
28	10/27	11/01	11/04	11/08	11/11	11/13	11/17	11/20	11/25
24	10/31	11/06	11/11	11/15	11/19	11/22	11/26	12/01	12/07
20	11/11	11/20	11/27	12/02	12/08	12/13	12/19	12/27	1/11
16	11/21	11/30	12/06	12/12	12/17	12/23	12/31	1/14	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	209	200	193	187	181	176	170	163	153
32	241	231	223	217	211	205	198	190	180
28	278	267	260	253	247	241	235	227	217
24	304	292	283	276	269	262	254	246	234
20	>365	346	331	319	309	300	290	279	264
16	>365	>365	>365	359	342	331	321	310	296

* 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	696	492	387	216	83	4	0	0	10	141	453	709	3191
60	541	353	250	124	36	0	0	0	1	62	311	554	2232
57	448	271	180	81	19	0	0	0	0	34	234	461	1728
55	389	220	140	57	12	0	0	0	0	20	188	401	1427
50	249	111	63	20	3	0	0	0	0	4	96	260	806
32	8	0	0	0	0	0	0	0	0	0	0	9	17

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	335	432	642	819	1115	1365	1605	1550	1268	940	538	323	10932
55	4	8	69	186	415	675	892	837	578	247	36	2	3949
57	0	3	47	150	360	615	830	775	518	199	22	0	3519
60	0	0	24	102	283	525	737	682	429	135	9	0	2926
65	0	0	6	45	176	379	582	527	287	58	1	0	2061
70	0	0	0	16	95	242	427	372	166	18	0	0	1336

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	135	249	413	595	885	1136	1364	1316	1041	703	322	125	135	384	797	1392	2277	3413	4777	6093	7134	7837	8159	8284
45	50	131	267	447	730	986	1209	1161	891	549	195	46	50	181	448	895	1625	2611	3820	4981	5872	6421	6616	6662
50	11	51	145	304	575	836	1054	1006	741	398	98	2	11	62	207	511	1086	1922	2976	3982	4723	5121	5219	5221
55	0	12	58	175	424	686	899	851	591	258	33	0	0	12	70	245	669	1355	2254	3105	3696	3954	3987	3987
60	0	0	20	80	279	538	744	696	441	139	6	0	0	0	20	100	379	917	1661	2357	2798	2937	2943	2943
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	138	202	289	393	562	695	828	803	642	473	261	144	138	340	629	1022	1584	2279	3107	3910	4552	5025	5286	5430

(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