

Climatography of the United States No. 20

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

Station: OROVADA 3 W, NV

1971-2000

COOP ID: 265818

Climate Division: NV 1

NWS Call Sign:

Elevation: 4,200 Feet Lat: 41° 34N

Lon: 117° 50W

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	41.4	18.6	30.0	64+	1950	20	38.6	1986	-22	1949	25	19.8	1993	1084	0	.0	.0	4.2	6.4	27.8	1.6
Feb	48.3	23.3	35.8	71	1986	28	41.4	1995	-16	1985	4	25.3	1993	819	0	.0	.0	11.2	2.2	23.7	.6
Mar	54.8	27.6	41.2	79	1997	20	47.4	1978	-1	1951	3	37.0	1977	738	0	.0	.0	20.3	.2	22.1	.0
Apr	62.4	32.1	47.3	89	1987	27	53.2	1987	9	1970	1	40.9	1975	532	0	.0	.0	25.9	.0	15.7	.0
May	71.2	39.0	55.1	98	1954	19	61.8	1992	17	2000	12	50.0	1977	318	11	.0	.8	30.0	.0	5.0	.0
Jun	82.0	45.8	63.9	106	1950	30	70.7	1977	25	2001	4	58.7	1995	123	89	.3	7.0	30.0	.0	.6	.0
Jul	91.2	51.5	71.4	106+	1959	17	76.2	1988	33	1986	5	62.4	1993	32	228	2.3	19.4	31.0	.0	.0	.0
Aug	90.2	49.6	69.9	107+	1961	3	75.0	1971	25	1999	31	64.0	1993	34	185	1.5	16.3	31.0	.0	.2	.0
Sep	80.8	40.8	60.8	104	1955	3	65.4	1979	15	1970	14	54.5	1986	174	47	.0	5.0	29.8	.0	3.5	.0
Oct	68.7	32.3	50.5	93	1996	11	59.7	1988	1	1996	21	45.6	1971	453	5	.0	.2	28.5	@	15.0	.0
Nov	51.9	23.9	37.9	80	1962	1	43.5	1976	-7+	1955	15	27.7	1993	813	0	.0	.0	15.0	.7	24.0	.4
Dec	42.4	18.1	30.3	67	1999	1	38.6	1981	-33	1990	22	17.7	1990	1077	0	.0	.0	5.1	4.7	27.9	1.9
Ann	65.4	33.6	49.5	107+	Aug 1961	3	76.2	Jul 1988	-33	Dec 1990	22	17.7	Dec 1990	6197	565	4.1	48.7	262.0	14.2	165.5	4.5

+ 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

040-A

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Station: OROVADA 3 W, NV

COOP ID: 265818

Climate Division: NV 1

NWS Call Sign:

Elevation: 4,200 Feet Lat: 41°34N

Lon: 117°50W

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	.93	.87	1.14	1969	21	2.41	1995	.06	1989	6.9	3.6	.2	.0	.09	.15	.28	.41	.55	.71	.90	1.14	1.47	2.01	2.55
Feb	.81	.59	.78	1962	10	2.63	1986	.10	1988	6.4	2.8	.2	.0	.11	.18	.29	.41	.52	.65	.80	.99	1.24	1.64	2.04
Mar	1.20	1.20	1.11	1961	23	2.43	1989	.00	1994	8.0	4.0	.5	@	.15	.30	.50	.67	.84	1.02	1.23	1.47	1.80	2.32	2.81
Apr	1.29	1.27	1.47	1983	30	3.33	1983	.12	1977	6.7	3.9	.5	.1	.23	.35	.54	.71	.89	1.09	1.31	1.58	1.93	2.51	3.06
May	1.16	.97	1.12	1995	6	3.35	1998	.00	1974	6.4	3.5	.5	@	.06	.16	.34	.51	.69	.90	1.14	1.43	1.84	2.51	3.16
Jun	.88	.92	1.63	1971	26	2.49	1977	.00+	1986	4.4	2.4	.4	@	.00	.04	.16	.29	.44	.61	.82	1.08	1.45	2.07	2.69
Jul	.31	.22	1.25	1960	31	1.31	1976	.00+	2000	2.5	1.1	.1	.0	.00	.00	.00	.06	.13	.21	.30	.40	.55	.79	1.02
Aug	.52	.16	2.07	1976	1	3.78	1976	.00+	1998	2.4	1.1	.3	.1	.00	.00	.00	.00	.07	.18	.34	.57	.90	1.51	2.13
Sep	.72	.54	1.27	1976	11	2.44	1998	.00+	1993	3.0	2.1	.5	@	.00	.00	.12	.25	.39	.53	.70	.91	1.20	1.65	2.11
Oct	.83	.71	1.31	1998	25	2.71	1975	.00+	1988	4.5	2.5	.4	@	.00	.03	.14	.26	.40	.56	.76	1.01	1.36	1.96	2.56
Nov	.95	.85	.96	1972	4	2.55	1985	.13	2000	5.8	3.3	.2	.0	.12	.20	.34	.47	.61	.76	.94	1.16	1.47	1.96	2.43
Dec	.84	.70	.79	1960	17	4.05	1983	.05	1976	6.1	3.2	.2	.0	.06	.11	.22	.33	.46	.61	.79	1.02	1.34	1.88	2.41
Ann	10.44	10.29	2.07	Aug 1976	1	4.05	Dec 1983	.00+	Jul 2000	63.1	33.5	4.0	.2	6.12	6.90	7.92	8.73	9.45	10.17	10.92	11.77	12.81	14.35	15.71

+ 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:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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Station: OROVADA 3 W, NV

COOP ID: 265818

Climate Division: NV 1

NWS Call Sign:

Elevation: 4,200 Feet

Lat: 41°34N

Lon: 117°50W

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	4.4	3.5	#	#	6.1	1997	25	11.0	1979	5	1974	11	1	1975	2.0	1.8	.4	@	.0	4.3	1.4	.2	.0
Feb	2.9	2.8	#	0	4.1	1997	8	7.0	1979	3	1987	24	#+	1999	1.6	1.4	.2	.0	.0	.7	.1	.0	.0
Mar	3.1	3.0	#	0	7.0	1982	18	15.0	1982	3	1984	29	#+	2000	1.3	1.3	.4	.1	.0	.1	.0	.0	.0
Apr	1.9	.0	#	0	8.5	1998	4	8.5	1998	4	1984	26	#+	1998	.7	.7	.3	@	.0	.1	.0	.0	.0
May	.0	.0	#	0	1.0	1971	20	1.0	1971	1+	1988	6	#+	1988	@	@	.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	#	1971	30	#	1971	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.6	.0	#	0	3.0	1971	31	7.0	1971	2	1971	31	#+	1996	.3	.3	.1	.0	.0	.1	.0	.0	.0
Nov	2.2	1.8	#	0	12.0	1985	10	12.0+	1985	3+	1987	24	#+	1994	.9	.9	.3	.1	@	.5	.1	.0	.0
Dec	4.4	2.5	#	0	6.0	1983	23	14.0	1971	5	1971	28	2	1971	1.9	1.8	.5	@	.0	2.9	1.1	.2	.0
Ann	19.5	13.6	N/A	N/A	12.0	Nov 1985	10	15.0	Mar 1982	5+	Jan 1974	11	2	Dec 1971	8.7	8.2	2.2	.2	@	8.7	2.7	.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

Complete documentation available from:

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No. 20 1971-2000

Station: OROVADA 3 W, NV

COOP ID: 265818

Climate Division: NV 1

NWS Call Sign:

Elevation: 4,200 Feet

Lat: 41° 34N

Lon: 117° 50W

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	7/11	7/05	6/30	6/26	6/22	6/19	6/15	6/10	6/04
32	6/16	6/10	6/06	6/03	5/31	5/28	5/24	5/20	5/15
28	5/24	5/18	5/14	5/10	5/07	5/03	4/29	4/25	4/19
24	5/17	5/10	5/04	4/30	4/26	4/22	4/17	4/12	4/05
20	5/06	4/26	4/18	4/12	4/06	3/31	3/25	3/18	3/08
16	4/11	4/02	3/26	3/20	3/15	3/09	3/04	2/25	2/16
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	8/18	8/24	8/28	9/01	9/05	9/08	9/12	9/16	9/22
32	9/03	9/08	9/12	9/15	9/18	9/21	9/24	9/28	10/03
28	9/10	9/16	9/21	9/25	9/29	10/02	10/06	10/11	10/17
24	9/22	9/30	10/05	10/10	10/14	10/19	10/23	10/29	11/05
20	10/04	10/11	10/17	10/22	10/26	10/31	11/05	11/10	11/18
16	10/16	10/25	11/01	11/07	11/12	11/17	11/23	11/30	12/09
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	102	92	85	79	73	68	62	55	45
32	131	123	118	114	110	106	101	96	89
28	171	162	155	150	144	139	133	127	118
24	205	193	185	178	171	164	157	148	137
20	245	230	220	211	202	194	185	175	160
16	285	270	259	250	241	233	224	213	198

* 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

Complete documentation available from:
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1971-2000**

Station: OROVADA 3 W, NV

COOP ID: 265818

Climate Division: NV 1 NWS Call Sign: Elevation: 4,200 Feet Lat: 41°34N Lon: 117°50W

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	1084	819	738	532	318	123	32	34	174	453	813	1077	6197
60	929	679	583	389	191	55	10	9	88	314	663	922	4832
57	836	595	490	308	131	29	3	2	52	240	575	829	4090
55	774	539	429	257	97	18	1	1	35	197	518	767	3633
50	623	407	285	151	38	4	0	0	10	109	382	615	2624
32	183	68	11	3	0	0	0	0	0	2	60	174	501

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	122	173	296	460	716	956	1219	1174	864	577	237	120	6914
55	0	0	1	25	101	284	507	462	209	59	5	0	1653
57	0	0	0	16	72	235	447	401	166	40	2	0	1379
60	0	0	0	7	39	171	361	315	112	21	0	0	1026
65	0	0	0	0	11	89	228	185	47	5	0	0	565
70	0	0	0	0	1	36	128	92	14	0	0	0	271

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	12	45	106	236	470	712	967	917	617	325	69	14	12	57	163	399	869	1581	2548	3465	4082	4407	4476	4490
45	0	8	38	131	325	562	812	762	468	196	23	0	0	8	46	177	502	1064	1876	2638	3106	3302	3325	3325
50	0	0	6	58	196	418	657	607	324	96	4	0	0	0	6	64	260	678	1335	1942	2266	2362	2366	2366
55	0	0	0	17	100	278	503	452	201	39	0	0	0	0	0	17	117	395	898	1350	1551	1590	1590	1590
60	0	0	0	1	42	161	352	304	96	9	0	0	0	0	0	1	43	204	556	860	956	965	965	965
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	8	37	95	191	328	465	593	578	437	274	66	8	8	45	140	331	659	1124	1717	2295	2732	3006	3072	3080

(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,
www1.ncdc.noaa.gov/pub/data/special/serialcomplete_jam_0900.pdf