

Climatography of the United States

No. 20

1971-2000

Station: DUCKWATER, NV

COOP ID: 262390

Climate Division: NV 3

NWS Call Sign:

Elevation: 5,610 Feet Lat: 38° 56N

Lon: 115° 43W

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	.0	.0	.0	62	1976	17	.0	0	-19	1979	30	.0	0	0	0	.0	.0	5.0	6.7	30.4	2.5
Feb	.0	.0	.0	74	1986	26	.0	0	-15	1985	5	.0	0	0	0	.0	.0	9.4	2.6	27.0	1.1
Mar	.0	.0	.0	76	1986	29	.0	0	-1	1977	30	.0	0	0	0	.0	.0	20.6	.2	26.2	.1
Apr	.0	.0	.0	84+	1981	30	.0	0	7	1982	2	.0	0	0	0	.0	.0	25.6	.0	20.4	.0
May	.0	.0	.0	97	1984	21	.0	0	20	1988	2	.0	0	0	0	.0	.6	29.9	.0	6.4	.0
Jun	.0	.0	.0	100+	1973	27	.0	0	26	1983	11	.0	0	0	0	.2	6.5	29.8	.0	.7	.0
Jul	.0	.0	.0	103	1985	5	.0	0	34	1997	2	.0	0	0	0	.6	17.8	31.0	.0	.0	.0
Aug	.0	.0	.0	100+	1970	12	.0	0	33	1978	24	.0	0	0	0	.3	11.7	31.0	.0	.0	.0
Sep	.0	.0	.0	96	1977	8	.0	0	23	1988	19	.0	0	0	0	.0	2.2	29.9	.0	1.6	.0
Oct	.0	.0	.0	90	1980	2	.0	0	10+	1970	27	.0	0	0	0	.0	@	28.6	.1	14.6	.0
Nov	.0	.0	.0	75	1988	4	.0	0	-10	1985	19	.0	0	0	0	.0	.0	16.8	1.3	27.3	.2
Dec	.0	.0	.0	65	1973	30	.0	0	-15+	1988	27	.0	0	0	0	.0	.0	6.2	4.3	30.7	1.6
Ann	.0	.0	.0	103	Jul 1985	5	-99.9	0	-19	Jan 1979	30	99.9	0	0	0	1.1	38.8	263.8	15.2	185.3	5.5

+ 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: 1966-2000

(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: DUCKWATER, NV

COOP ID: 262390

Climate Division: NV 3

NWS Call Sign:

Elevation: 5,610 Feet Lat: 38°56N

Lon: 115°43W

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	.50	.42	.95	1993	8	2.00	1980	.00+	1998	3.8	1.9	.2	@	.00	.00	.10	.19	.27	.37	.49	.63	.82	1.15	1.46
Feb	.46	.25	.90+	1969	24	2.15+	1998	.00+	1993	4.0	1.6	.2	.0	.00	.00	.02	.09	.18	.28	.40	.56	.79	1.18	1.58
Mar	.72	.54	1.41	2000	8	3.06	1978	.00+	1997	4.5	2.7	.3	.1	.00	.00	.12	.25	.38	.53	.70	.91	1.20	1.67	2.13
Apr	.58	.59	.74	1995	18	1.55	1988	.00+	1993	3.4	2.0	.1	.0	.00	.00	.06	.15	.26	.38	.52	.71	.97	1.41	1.85
May	.87	.74	.96	1976	8	2.60	1987	.00+	2000	4.6	3.0	.4	.0	.00	.00	.09	.23	.39	.57	.80	1.08	1.48	2.14	2.80
Jun	.46	.34	1.58	1967	13	1.68	1998	.00+	1986	2.5	1.4	.2	.1	.00	.00	.00	.18	.28	.38	.48	.60	.77	1.03	1.28
Jul	.53	.31	1.60	1985	21	2.26	1984	.00+	2000	2.3	1.4	.2	.1	.00	.00	.02	.11	.20	.32	.46	.65	.91	1.36	1.82
Aug	.82	.65	1.30	1988	21	3.90	1988	.00+	1998	3.9	2.3	.6	.1	.00	.00	.09	.22	.37	.54	.74	1.01	1.38	1.99	2.61
Sep	.64	.37	1.90	1978	5	2.65	1978	.00+	1993	2.7	1.5	.3	.1	.00	.00	.00	.08	.19	.34	.52	.75	1.10	1.71	2.31
Oct	.87	.74	1.55	1981	11	2.97	1981	.00+	1995	3.2	2.0	.7	.1	.00	.00	.20	.35	.50	.66	.86	1.09	1.41	1.93	2.44
Nov	.36	.27	.92	1969	7	1.95	1987	.00+	1990	2.9	1.3	.1	.0	.00	.00	.05	.11	.18	.25	.34	.44	.60	.84	1.09
Dec	.28	.21	.53	1971	25	1.26+	1988	.00+	1999	1.9	1.1	.2	.0	.00	.00	.00	.02	.08	.15	.24	.34	.49	.75	1.00
Ann	7.09	6.63	1.90	Sep 1978	5	3.90	Aug 1988	.00+	Jul 2000	39.7	22.2	3.5	.6	3.62	4.20	5.00	5.63	6.22	6.80	7.41	8.11	8.98	10.29	11.46

+ 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: 1966-2000

(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: DUCKWATER, NV

COOP ID: 262390

Climate Division: NV 3

NWS Call Sign:

Elevation: 5,610 Feet

Lat: 38° 56N

Lon: 115° 43W

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	2.7	2.5	1	#	14.0	1983	20	14.0	1983	18	1983	25	7	1983	1.3	1.0	.3	.3	.1	-9.9	-9.9	-9.9	-9.9
Feb	3.5	1.3	3	#	9.0	1976	5	18.0	1976	24	1979	3	24	1979	.9	.7	.2	.1	.0	.5	.0	.0	.0
Mar	2.0	.0	#	0	10.0	1974	3	10.0	1974	3	1981	5	1	1981	1.0	.9	.5	.2	@	.5	.1	.0	.0
Apr	.9	.0	#	0	6.0	1984	1	6.0+	1984	8	1971	24	1	1971	.3	.3	.1	@	.0	.0	.0	.0	.0
May	.3	.0	#	0	4.0	1974	20	4.0	1974	#	1989	30	#	1989	.1	.1	.1	.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	6.0	1985	9	6.0+	1985	2	1985	9	#	1985	.2	.2	.1	@	.0	.1	.0	.0	.0
Nov	.7	.1	#	0	4.0	1985	30	4.0	1985	2	1988	26	#+	1988	.5	.3	.1	.0	.0	.1	.0	.0	.0
Dec	1.1	.0	1	0	4.0	1982	1	4.0	1974	10	1988	25	7	1985	.6	.5	.2	.0	.0	-9.9	-9.9	-9.9	-9.9
Ann	11.6	3.9	N/A	N/A	14.0	Jan 1983	20	18.0	Feb 1976	24	Feb 1979	3	24	Feb 1979	4.9	4.0	1.6	.6	.1	-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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NWS Call Sign:

Elevation: 5,610 Feet

Lat: 38° 56N

Lon: 115° 43W

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	6/29	6/23	6/19	6/16	6/13	6/10	6/06	6/02	5/28
32	6/18	6/11	6/06	6/02	5/29	5/25	5/21	5/16	5/10
28	6/04	5/29	5/25	5/21	5/17	5/14	5/10	5/06	4/30
24	5/10	5/05	5/02	4/28	4/25	4/22	4/19	4/15	4/10
20	5/07	4/30	4/25	4/21	4/17	4/13	4/08	4/03	3/27
16	4/23	4/13	4/06	3/30	3/24	3/18	3/12	3/04	2/22
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	8/27	9/02	9/07	9/10	9/14	9/17	9/21	9/26	10/02
32	9/12	9/18	9/22	9/25	9/29	10/02	10/05	10/09	10/15
28	9/21	9/27	10/01	10/04	10/08	10/11	10/14	10/18	10/24
24	10/04	10/10	10/14	10/18	10/21	10/25	10/29	11/02	11/08
20	10/14	10/20	10/23	10/27	10/30	11/02	11/06	11/10	11/15
16	10/22	10/29	11/02	11/06	11/09	11/13	11/17	11/21	11/27
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	118	109	103	97	92	87	82	76	67
32	147	138	132	127	122	116	111	105	96
28	169	160	153	148	142	137	131	125	115
24	202	194	188	183	178	174	169	163	155
20	226	216	208	202	196	189	183	175	165
16	267	254	245	237	229	222	214	205	192

* 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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NWS Call Sign:

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Lon: 115° 43W

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	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0	0	0	0	0

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0

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	22	93	204	459	728	958	904	638	324	58	0	0	22	115	319	778	1506	2464	3368	4006	4330	4388	4388
45	0	2	33	106	315	579	803	749	490	197	15	0	0	2	35	141	456	1035	1838	2587	3077	3274	3289	3289
50	0	0	3	42	188	433	648	594	343	95	1	0	0	0	3	45	233	666	1314	1908	2251	2346	2347	2347
55	0	0	0	10	97	294	493	439	206	35	0	0	0	0	0	10	107	401	894	1333	1539	1574	1574	1574
60	0	0	0	0	34	169	341	285	98	6	0	0	0	0	0	0	34	203	544	829	927	933	933	933
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	4	37	100	194	335	477	599	579	437	270	73	12	4	41	141	335	670	1147	1746	2325	2762	3032	3105	3117

(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.

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| <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 |
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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