U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

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: CEDAR CITY AP, UT **COOP ID: 421267**

Climate Division: UT 4 **NWS Call Sign: CDC** **Elevation: 5,587 Feet** **Lat: 37˚42N** **Lon: 113˚06W**

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	18.5	30.2	70	1990	9	37.1	1986	-26	1951	31	20.0	1973	1080	0	.0	.0	7.5	4.6	28.6	1.9
Feb	46.7	22.8	34.8	73	1986	25	43.7	1995	-24	1989	6	27.9	1989	846	0	.0	.0	12.1	2.0	24.0	.9
Mar	53.5	28.4	41.0	77	1966	31	46.7	1972	-1+	1952	14	34.8	1973	745	0	.0	.0	21.4	.3	22.0	.0
Apr	61.2	33.7	47.5	83+	1981	30	54.0+	1992	6	1975	2	40.8	1975	529	2	.0	.0	26.1	.0	13.1	.0
May	71.1	41.5	56.3	96	1984	29	62.4	2000	21	1988	2	51.3	1971	292	22	.0	.4	30.4	.0	2.9	.0
Jun	83.1	50.1	66.6	101+	1961	21	72.9	1994	27	2001	14	60.4	1998	78	126	.1	7.9	30.0	.0	.2	.0
Jul	89.4	57.8	73.6	105	1989	7	77.1	1996	40+	1982	6	70.7	1982	3	270	.9	18.9	31.0	.0	.0	.0
Aug	87.1	56.8	72.0	100+	1978	6	75.1	1994	36	1968	23	68.9	1972	4	220	.1	13.3	31.0	.0	.0	.0
Sep	78.9	47.6	63.3	97	1950	1	67.8	1979	23	1965	18	57.7	1986	112	61	.0	2.2	29.9	.0	1.0	.0
Oct	66.1	36.0	51.1	88	1996	9	57.6	1988	-7	1971	30	44.8	1984	436	3	.0	.0	28.6	.1	9.4	@
Nov	51.6	25.9	38.8	75	1976	8	45.6	1995	-7	1956	20	30.9	1994	788	0	.0	.0	18.4	.9	23.6	.1
Dec	42.7	18.6	30.7	68	1977	3	38.1	1977	-23	1990	23	20.8	1990	1065	0	.0	.0	8.5	4.3	28.6	1.5
Ann	64.4	36.5	50.5	105	Jul 1989	7	77.1	Jul 1996	-26	Jan 1951	31	20.0	Jan 1973	5978	704	1.1	42.7	274.9	12.2	153.4	4.4

\+ 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

(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

Issue Date: February 2004

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

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: CEDAR CITY AP, UT **COOP ID: 421267**

Climate Division: UT 4 **NWS Call Sign: CDC** **Elevation: 5,587 Feet** **Lat: 37°42N** **Lon: 113°06W**

Precipitation (inches)

Precipitation Totals

Month	Means/ Medians(1) Mean	Means/ Medians(1) Median	Extremes Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year
Jan	.90	.73	1.21	1980	14	2.98	1980	.05	1999
Feb	.97	.84	1.60	1965	6	2.38	1980	.00	1972
Mar	1.34	1.19	1.28	1961	18	2.97	1978	.00	1972
Apr	1.00	.98	1.07	1974	2	3.14	1988	.08	1989
May	.91	.86	1.25	1977	14	2.16	1981	.00	1974
Jun	.45	.33	1.01	1970	7	1.89	1995	.00+	1996
Jul	.93	.75	1.62	1975	28	4.37	1975	.04	1994
Aug	1.15	.92	2.02	1963	19	4.38	1984	.00	1985
Sep	.83	.64	2.10	1967	24	2.96	1980	.00+	1984
Oct	1.30	1.18	1.40	1996	13	3.33	1972	.00	1995
Nov	.97	.82	1.02	1987	14	2.63	1994	.09	1992
Dec	.65	.66	1.07	1995	13	1.40	1971	.00+	1989
Ann	11.40	11.48	2.10	Sep 1967	24	4.38	Aug 1984	.00+	Jun 1996

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	6.4	2.8	.3	.1
Feb	6.5	2.9	.3	.0
Mar	8.8	4.3	.4	@
Apr	6.6	3.0	.5	@
May	6.1	2.8	.3	.1
Jun	3.2	1.4	@	.0
Jul	5.3	2.5	.5	@
Aug	6.4	2.8	.5	.2
Sep	4.7	1.9	.5	.1
Oct	5.8	3.4	.7	.1
Nov	5.6	2.7	.5	@
Dec	5.8	2.1	.2	@
Ann	71.2	32.6	4.7	.6

Precipitation Probabilities (1)

Probability that the monthly/annual precipitation will be equal to or less than the indicated amount

Monthly/Annual Precipitation vs Probability Levels
These values were determined from the incomplete gamma distribution

Month	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.04	.09	.19	.31	.45	.61	.82	1.08	1.45	2.08	2.71
Feb	.16	.30	.46	.59	.72	.86	1.01	1.18	1.41	1.78	2.12
Mar	.15	.32	.54	.73	.93	1.13	1.37	1.65	2.02	2.61	3.18
Apr	.15	.24	.38	.52	.66	.82	1.00	1.22	1.52	2.00	2.46
May	.08	.18	.33	.46	.60	.75	.92	1.12	1.39	1.83	2.26
Jun	.00	.00	.09	.17	.25	.34	.44	.57	.74	1.03	1.31
Jul	.10	.17	.30	.44	.57	.73	.91	1.14	1.45	1.96	2.46
Aug	.06	.16	.33	.50	.68	.88	1.12	1.41	1.82	2.48	3.13
Sep	.00	.03	.14	.26	.40	.56	.76	1.01	1.37	1.98	2.60
Oct	.11	.26	.47	.66	.85	1.07	1.31	1.60	2.00	2.64	3.25
Nov	.10	.18	.31	.44	.59	.75	.94	1.18	1.50	2.04	2.56
Dec	.00	.16	.29	.39	.49	.58	.69	.81	.96	1.21	1.45
Ann	7.32	8.07	9.06	9.82	10.50	11.16	11.86	12.63	13.57	14.96	16.17

\+ 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

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Services

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: CEDAR CITY AP, UT **COOP ID: 421267**

Climate Division: UT 4 **NWS Call Sign: CDC** **Elevation: 5,587 Feet** **Lat: 37°42N** **Lon: 113°06W**

Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	9.1	6.6	2	1
Feb	9.0	9.3	1	1
Mar	8.5	7.2	#	1
Apr	5.2	3.5	#	1
May	1.5	.0	#	0
Jun	.1	.0	#	0
Jul	.0	.0	0	0
Aug	.0	.0	0	0
Sep	.1	.0	#	0
Oct	2.3	.1	#	0
Nov	6.1	3.7	#	0
Dec	6.0	3.7	1	1
Ann	47.9	34.1	N/A	N/A

Extremes (2)

Month	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year
Jan	9.0	1974	21	30.6	1982	11	1973	5	6+	1974
Feb	13.1	1989	4	34.2	1971	13+	1989	6	5	1979
Mar	8.0	1998	6	19.8	1973	8+	1998	7	1+	1998
Apr	7.0	1973	1	20.8	1973	7	1975	1	1	1975
May	8.9	1975	20	8.9	1975	6+	1979	8	#	1998
Jun	2.0	1993	6	2.6	1993	#	1993	6	#	1993
Jul	.0	0	0	.0	0	0	0	0	0	0
Aug	.0	0	0	.0	0	0	0	0	0	0
Sep	1.6	1986	25	1.6	1986	1	1982	30	#	1982
Oct	9.6	1991	27	18.8	1991	9	1991	28	1+	1991
Nov	14.1	1994	18	31.6	1994	15	1994	20	4	1994
Dec	14.9	1982	7	21.2	1982	15+	1982	8	3	1972
Ann	14.9	Dec 1982	7	34.2	Feb 1971	15+	Nov 1994	20	6+	Jan 1974

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	5.1	3.0	1.2	.3	.0
Feb	4.4	2.4	1.0	.5	.2
Mar	4.7	3.1	1.0	.4	.0
Apr	2.9	1.9	.6	.2	.0
May	.8	.5	.1	@	.0
Jun	.1	.0	.0	.0	.0
Jul	.0	.0	.0	.0	.0
Aug	.0	.0	.0	.0	.0
Sep	.1	.0	.0	.0	.0
Oct	1.0	.6	.3	.2	.0
Nov	3.2	1.7	.7	.2	@
Dec	3.6	1.9	.7	.3	.1
Ann	25.9	15.1	5.6	2.1	.3

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	13.8	8.1	3.9	.2
Feb	9.5	4.7	2.4	.5
Mar	3.8	1.6	.5	.0
Apr	1.7	.6	.3	.0
May	.1	.1	.1	.0
Jun	.0	.0	.0	.0
Jul	.0	.0	.0	.0
Aug	.0	.0	.0	.0
Sep	@	.0	.0	.0
Oct	.6	.4	.2	.0
Nov	4.0	1.6	.8	.1
Dec	8.4	4.0	1.0	.2
Ann	41.9	21.1	9.2	1.0

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

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

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: CEDAR CITY AP, UT **COOP ID: 421267**

Climate Division: UT 4 **NWS Call Sign: CDC** **Elevation: 5,587 Feet** **Lat: 37˚42N** **Lon: 113˚06W**

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	6/21	6/16	6/12	6/08	6/05	6/02	5/30	5/26	5/20
32	6/07	6/01	5/28	5/24	5/21	5/18	5/14	5/10	5/04
28	5/15	5/10	5/06	5/03	4/30	4/27	4/24	4/20	4/15
24	5/02	4/26	4/21	4/17	4/14	4/10	4/06	4/01	3/26
20	4/21	4/13	4/06	4/01	3/27	3/22	3/17	3/10	3/02
16	4/04	3/26	3/20	3/15	3/10	3/05	2/27	2/21	2/12

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	9/10	9/14	9/18	9/21	9/24	9/26	9/29	10/03	10/08
32	9/15	9/21	9/25	9/28	10/01	10/05	10/08	10/12	10/18
28	9/25	10/01	10/06	10/10	10/14	10/18	10/22	10/27	11/03
24	10/10	10/16	10/20	10/24	10/27	10/30	11/03	11/08	11/14
20	10/24	10/28	11/01	11/04	11/06	11/09	11/12	11/15	11/20
16	10/27	11/02	11/07	11/11	11/15	11/18	11/22	11/27	12/03

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	131	124	119	114	110	106	101	96	88
32	160	150	144	138	133	127	122	115	106
28	192	183	177	171	166	161	156	150	141
24	223	213	207	201	196	190	185	178	169
20	253	243	236	229	224	218	212	205	195
16	285	272	264	256	249	242	235	226	214

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

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

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: CEDAR CITY AP, UT **COOP ID: 421267**

Climate Division: UT 4 **NWS Call Sign: CDC** **Elevation: 5,587 Feet** **Lat: 37˚42N** **Lon: 113˚06W**

Degree Days to Selected Base Temperatures (˚F)

Heating Degree Days (1)

Base Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1080	846	745	529	292	78	3	4	112	436	788	1065	5978
60	925	706	590	388	177	30	0	0	46	293	638	910	4703
57	832	622	499	308	123	15	0	0	23	218	548	817	4005
55	770	566	440	259	93	9	0	0	13	173	489	755	3567
50	622	432	301	158	39	2	0	0	2	85	348	601	2590
32	181	73	20	5	0	0	0	0	0	0	34	164	477

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	124	151	298	468	753	1038	1290	1239	939	590	237	122	7249
55	0	0	5	32	133	356	577	526	261	50	1	0	1941
57	0	0	2	21	101	302	515	464	211	33	0	0	1649
60	0	0	0	11	62	228	422	371	144	15	0	0	1253
65	0	0	0	2	22	126	270	220	61	3	0	0	704
70	0	0	0	0	5	56	133	91	16	0	0	0	301

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	16	47	124	270	531	822	1068	1011	722	376	100	17	16	63	187	457	988	1810	2878	3889	4611	4987	5087	5104
45	0	11	51	155	382	672	913	856	572	243	39	2	0	11	62	217	599	1271	2184	3040	3612	3855	3894	3896
50	0	0	12	74	243	523	758	701	426	129	9	0	0	0	12	86	329	852	1610	2311	2737	2866	2875	2875
55	0	0	0	21	130	380	603	546	286	50	0	0	0	0	0	21	151	531	1134	1680	1966	2016	2016	2016
60	0	0	0	2	51	245	448	391	158	13	0	0	0	0	0	2	53	298	746	1137	1295	1308	1308	1308
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	24	51	113	205	355	527	681	655	474	281	92	25	24	75	188	393	748	1275	1956	2611	3085	3366	3458	3483

(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.
Compete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normals/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/normals.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normals/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