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: ENTERPRISE BERYL JCT, UT **COOP ID: 422561**

Climate Division: UT 1 **NWS Call Sign:** **Elevation: 5,150 Feet** **Lat: 37˚46N** **Lon: 113˚39W**

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	41.6	11.4	26.5	70	1990	11	34.8	1986	-26	1979	30	16.2	1973	1194	0	.0	.0	7.3	5.8	29.9	5.1
Feb	46.9	17.2	32.1	77	1986	26	40.8	1995	-33	1989	7	24.6	1985	923	0	.0	.0	11.2	2.1	26.3	1.7
Mar	55.4	22.2	38.8	79	1997	21	44.4	1986	-8	1962	1	32.1	1977	813	0	.0	.0	21.9	.3	27.2	@
Apr	63.7	26.7	45.2	86+	1981	30	51.7	1989	7	1999	1	39.2	1975	595	0	.0	.0	27.3	.0	23.0	.0
May	73.3	35.0	54.2	97+	1983	30	59.1	1984	10	1975	21	49.8	1977	342	6	.0	.7	30.8	.0	10.5	.0
Jun	84.4	41.8	63.1	102	1961	21	67.7	1981	25	2001	14	58.5	1995	112	56	.1	8.3	30.0	.0	1.4	.0
Jul	91.1	49.0	70.1	104+	1960	17	73.5	1996	27	1997	2	65.8	1983	13	170	.9	18.6	31.0	.0	.1	.0
Aug	89.1	47.9	68.5	102+	1979	3	72.6	1986	30	1992	27	64.5	1976	23	131	.2	14.3	31.0	.0	.2	.0
Sep	80.8	38.4	59.6	98	1955	16	62.5	1995	18+	1965	20	55.6	1986	175	14	.0	2.6	30.0	.0	4.8	.0
Oct	68.7	27.2	48.0	88+	1988	1	52.8	1988	-5	1971	30	43.0	1971	529	0	.0	.0	29.0	.1	21.4	@
Nov	53.4	17.7	35.6	78	1999	1	40.3	1999	-13	1956	20	27.9	1994	883	0	.0	.0	18.8	.9	28.0	.7
Dec	43.3	10.8	27.1	72	1995	1	34.7	1977	-34+	1990	23	17.1	1972	1178	0	.0	.0	8.9	4.2	29.9	3.6
Ann	66.0	28.8	47.4	104+	Jul 1960	17	73.5	Jul 1996	-34+	Dec 1990	23	16.2	Jan 1973	6780	377	1.2	44.5	277.2	13.4	202.7	11.1

\+ 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/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

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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	.77	.56	1.15	1988	18	3.03	1980	.02	1972
Feb	.90	.73	1.10	1978	10	2.76	1993	.00	1972
Mar	1.34	1.07	1.35	1979	28	4.96	1992	.00	1972
Apr	.81	.65	.90	1990	24	2.85	1988	.00	1977
May	.78	.65	1.30	1993	16	2.90	1977	.00	1974
Jun	.49	.29	2.50	1982	18	2.81	1982	.00+	1996
Jul	1.02	.76	1.54	1975	29	3.93	1984	.02	1979
Aug	1.07	1.07	2.27	1968	8	2.61	1986	.00	1985
Sep	.90	.63	1.76	1961	17	3.93	1997	.02	1974
Oct	1.11	.91	1.26	1991	27	3.22	2000	.00	1995
Nov	.82	.59	1.31	1963	7	2.23	1972	.04	1995
Dec	.57	.43	1.00	1987	23	1.56	1984	.00+	1989
Ann	10.58	10.32	2.50	Jun 1982	18	4.96	Mar 1992	.00+	Jun 1996

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	5.3	2.4	.2	@
Feb	5.4	2.7	.4	@
Mar	7.0	4.1	.5	.1
Apr	5.3	2.4	.4	.0
May	5.8	2.3	.3	.1
Jun	2.8	1.4	.2	@
Jul	5.1	2.4	.5	.1
Aug	5.5	2.8	.6	.1
Sep	4.2	2.2	.5	.1
Oct	5.1	3.0	.7	.1
Nov	4.4	2.3	.4	.1
Dec	4.4	1.8	.1	@
Ann	60.3	29.8	4.8	.7

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	.08	.18	.28	.40	.54	.71	.92	1.23	1.75	2.28
Feb	.03	.11	.24	.37	.51	.67	.87	1.11	1.44	2.00	2.54
Mar	.04	.13	.31	.50	.72	.96	1.26	1.63	2.15	3.03	3.90
Apr	.04	.11	.23	.35	.48	.62	.79	1.00	1.28	1.75	2.20
May	.07	.16	.29	.40	.52	.65	.79	.96	1.20	1.58	1.94
Jun	.00	.00	.00	.09	.21	.33	.46	.63	.86	1.24	1.61
Jul	.04	.09	.20	.33	.49	.68	.92	1.22	1.66	2.41	3.16
Aug	.05	.14	.30	.46	.63	.82	1.04	1.32	1.70	2.33	2.95
Sep	.02	.05	.13	.24	.38	.55	.77	1.06	1.48	2.23	3.00
Oct	.07	.18	.35	.52	.69	.88	1.10	1.37	1.73	2.33	2.92
Nov	.08	.14	.25	.36	.49	.62	.79	.99	1.28	1.74	2.20
Dec	.00	.00	.10	.19	.29	.40	.54	.71	.94	1.34	1.73
Ann	7.01	7.69	8.56	9.22	9.82	10.40	11.00	11.68	12.49	13.69	14.74

+ 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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Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	7.1	5.5	2	1
Feb	5.2	4.0	1	#
Mar	4.8	3.0	#	#
Apr	1.9	1.0	#	0
May	.8	.0	#	0
Jun	.0	.0	0	0
Jul	.0	.0	0	0
Aug	.0	.0	0	0
Sep	.1	.0	0	0
Oct	.8	.0	#	0
Nov	4.3	2.5	#	0
Dec	5.0	2.8	1	#
Ann	30.0	18.8	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	26.0	1974	14	1988	19	9	1988
Feb	10.0	1993	27	16.0	1990	16	1979	3	9	1993
Mar	8.0	1996	29	19.5	1987	7	1987	18	1	1987
Apr	5.5	1973	1	10.5	1973	3	1972	13	#+	1982
May	10.0	1975	20	12.5	1975	9	1975	20	#+	1995
Jun	.0	0	0	.0	0	0	0	0	0	0
Jul	.0	0	0	.0	0	0	0	0	0	0
Aug	.0	0	0	.0	0	0	0	0	0	0
Sep	2.5	1982	30	2.5	1982	0	0	0	0	0
Oct	5.0	1971	28	10.0	1971	5	1971	29	1	1971
Nov	12.0	1994	18	28.6	1994	9	1991	16	2	1978
Dec	11.0	1987	23	17.0	1972	13	1984	20	5	1972
Ann	12.0	Nov 1994	18	28.6	Nov 1994	16	Feb 1979	3	9+	Feb 1993

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	3.0	2.4	1.0	.3	.0
Feb	2.5	1.7	.7	.2	@
Mar	2.4	1.9	.6	.2	.0
Apr	1.1	.9	.2	@	.0
May	.3	.2	.1	@	@
Jun	.0	.0	.0	.0	.0
Jul	.0	.0	.0	.0	.0
Aug	.0	.0	.0	.0	.0
Sep	@	@	.0	.0	.0
Oct	.4	.4	.1	@	.0
Nov	1.7	1.4	.6	.3	.1
Dec	2.4	1.7	.6	.2	@
Ann	13.8	10.6	3.9	1.2	.1

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	11.7	8.2	6.0	1.0
Feb	8.3	3.9	2.4	.7
Mar	1.2	.1	.0	.0
Apr	.2	.1	.0	.0
May	.1	@	@	.0
Jun	.0	.0	.0	.0
Jul	.0	.0	.0	.0
Aug	.0	.0	.0	.0
Sep	.0	.0	.0	.0
Oct	.2	.1	.1	.0
Nov	2.8	1.0	.4	.0
Dec	5.9	3.0	1.5	.1
Ann	30.4	16.4	10.4	1.8

+ 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	7/15	7/08	7/04	6/30	6/26	6/23	6/19	6/14	6/08
32	6/28	6/22	6/17	6/13	6/10	6/06	6/02	5/28	5/22
28	6/14	6/07	6/02	5/29	5/25	5/21	5/17	5/11	5/04
24	5/23	5/18	5/14	5/11	5/08	5/05	5/01	4/28	4/22
20	5/12	5/06	5/02	4/28	4/25	4/21	4/17	4/13	4/07
16	5/07	4/26	4/19	4/13	4/07	4/01	3/25	3/18	3/07

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	8/19	8/25	8/29	9/02	9/05	9/09	9/12	9/17	9/23
32	8/29	9/04	9/08	9/12	9/16	9/19	9/23	9/28	10/04
28	9/12	9/17	9/20	9/23	9/26	9/29	10/02	10/05	10/10
24	9/18	9/25	9/29	10/03	10/07	10/11	10/15	10/20	10/26
20	9/25	10/02	10/07	10/12	10/16	10/20	10/24	10/29	11/06
16	10/16	10/21	10/25	10/28	10/31	11/02	11/06	11/09	11/14

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	96	87	81	75	70	65	60	53	45
32	122	113	107	102	97	92	87	81	73
28	144	137	132	127	123	119	115	109	102
24	179	170	163	157	152	146	140	134	124
20	203	193	186	180	174	168	161	154	144
16	243	231	221	214	206	199	191	182	169

***** 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)

Heating Degree Days (1)

Base Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1194	923	813	595	342	112	13	23	175	529	883	1178	6780
60	1039	783	658	448	209	43	1	2	74	377	733	1023	5390
57	946	699	565	364	145	20	0	0	37	290	643	930	4639
55	884	643	504	310	109	11	0	0	21	237	583	868	4170
50	733	503	358	192	45	2	0	0	3	126	435	713	3110
32	266	114	30	6	0	0	0	0	0	1	53	225	695

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	95	115	239	401	687	934	1180	1132	829	494	160	71	6337
55	0	0	1	15	83	255	467	419	160	18	0	0	1418
57	0	0	0	9	57	204	405	357	116	9	0	0	1157
60	0	0	0	3	29	137	313	266	63	3	0	0	814
65	0	0	0	0	6	56	170	131	14	0	0	0	377
70	0	0	0	0	0	15	66	44	1	0	0	0	126

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	2	22	85	206	454	706	943	899	613	294	55	7	2	24	109	315	769	1475	2418	3317	3930	4224	4279	4286
45	0	1	26	104	309	556	788	744	465	170	15	0	0	1	27	131	440	996	1784	2528	2993	3163	3178	3178
50	0	0	3	40	175	408	633	589	319	73	1	0	0	0	3	43	218	626	1259	1848	2167	2240	2241	2241
55	0	0	0	9	79	266	478	434	190	17	0	0	0	0	0	9	88	354	832	1266	1456	1473	1473	1473
60	0	0	0	0	22	140	325	281	80	1	0	0	0	0	0	0	22	162	487	768	848	849	849	849
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	27	48	129	227	367	493	591	578	454	293	99	23	27	75	204	431	798	1291	1882	2460	2914	3207	3306	3329

(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:
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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