



Mt. Charleston Snow Climatology

Monthly Normals and Records

Month	Normal	Record Lowest Total/Year	Record Highest Total/Year
January	21.9 inches	Trace/2013*	90.8 inches/1949
February	28.1 inches	0.9 inch/2014	90.6 inches/1998
March	18.9 inches	0.5 inch/1997*	85.3 inches/1991
April	6.3 inches	0.0 inch/2008*	41.5 inches/1999
May	2.1 inches	0.0 inch/2012*	10.0 inches/1986
June	0.3 inch	0.0 inch/2015*	4.0 inches/1999*
July	Trace	0.0 inch/2015*	Trace/2009*
August	Trace	0.0 inch/2015*	Trace/1993*
September	Trace	0.0 inch/2015*	Trace/2008*
October	1.3 inches	0.0 inch/2014*	17.0 inches/2004
November	7.6 inches	0.0 inch/2005*	27.5 inches/1984
December	17.1 inches	0.0 inch/1999*	61.5 inches/2010
Season (July-June)	103.8 inches	30.2 inches/ 1983-1984	213.5 inches/ 2004-2005

Normals are based on the period from 1981-2010.

Period of record is 1949-1951 and 1980-present.

*Also in earlier years.

All data is for the official climate station located in Kyle Canyon at 7450 feet. Observations are taken once a day at 8 AM PST/PDT and therefore may not totally reflect a calendar day.

Earliest and Latest Snow On Record*

*Does not include hail, sleet or ice pellets.

Earliest measurable snow: 0.4" on October 3, 1986

Latest measurable snow: 0.5" on June 17, 1995

Latest Occurrence of the First Measurable Snow: January 18, 2000

Earliest Occurrence of the Last Measurable Snow: March 18, 2002

Earliest 1" or more of snow: October 6, 1994 & 2011

Latest 1" or more of snow: 4.0" on June 6, 1993

Latest Occurrence of the First 1" or more of snow: January 18, 2000

Earliest Occurrence of the Last 1" or more of snow: March 18, 2002

Earliest 6" or more of snow: 12.0" on October 26-28, 2004

Latest 6" or more of snow: 8.0" on May 22-23, 1996

Earliest 12" or more of snow: 12.0" on October 26-28, 2004

Latest 12" or more of snow: 16.5" on April 28-30, 1999

Consecutive Days With Snow (Trace or More)

8 days from February 18-27, 2005

Consecutive Days With Snow (Measurable)

8 days from February 18-27, 2005

Greatest 24 Hour Snowfall

24.0" on March 17-18, 1982
22.0" on January 7-8, 2005
21.2 on January 20-21, 2017
20.0" on February 23-24, 1998
19.4" on March 30-31, 1949
19.0" on February 16-17, 2009
19.0" on January 3-4, 2005
19.0" on November 21-22, 2004
19.0" on January 20-21, 1982
18.4" on February 26-27, 1949
18.0" on January 21-22, 2010
18.0" on February 23-24, 2000
18.0" on March 26-27, 1991
18.0' on March 5-6, 1981

Biggest Snowstorms

January 19-24, 2017 65.7"
January 9-14, 1949 65.6"
February 17-27, 2005 54.1"
January 18-23, 2010 51.0"
January 22-26, 1995 41.5"
December 19-23, 2010 41.0"
January 15-19, 1990 36.0"
January 7-12, 2005 33.5"
February 8-14, 1992 31.6"
March 16-19, 1982 30.0"
February 27-March 2, 1991 28.0"
February 19-22, 2000 27.0"
November 21-26, 1984 27.0"

Snowiest Months

90.8"/January 1949
90.6"/February 1998
87.8"/January 2017
87.5"/January 1995
85.1"/March 1991
71.0"/February 2009
67.5"/January 2005
62.1"/February 2005
62.0"/January 2010
61.5"/February 2000 and December 2010
58.3"/February 1993

Snowiest Seasons (July-June)

213.5"/2004-2005
187.7"/1997-1998
170.2"/1992-1993
170.0"/1993-1994*
162.3"/1948-1949*
150.0"/2009-2010
149.0"/2016-2017
145.1"/1991-1992
137.3"/2000-2001
137.0"/1982-1983
134.8"/2008-2009

*Total includes at least one month of missing data. Actual total may have been higher.

Least Snowiest Seasons

30.2"/1983-1984
43.0"/2014-2015
46.6"/2013-2014
49.7"/2001-2002
51.2"/2012-2013
51.5"/1949-1950
54.0"/1980-1981
55.1"/2006-2007
61.7"/1996-1997
62.0"/1985-1986

Greatest Snow Depths*

62" on February 27, 1949 & February 24, 1998
61" on January 13, 1949
60" on February 28, 1949 & February 26, 1998
58" on March 1, 1949
56" on March 2, 1949
55" on January 12, 1949, March 3, 1949 & March 5, 1949
54" on March 4, 1949, March 6, 1949, March 7, 1949 & February 23, 2005
53" on March 8, 1949
52" on January 14, 1949, January 26, 1949, March 9, 1949 & February 24, 2005
51" on January 25, 2017 & February 18, 2009

Consecutive Days With Snow On The Ground*

Measurable – 101 days from January 13, 2010 through April 23, 2010
Trace or More - 101 days from January 13, 2010 through April 23, 2010

* Snow depth is measured once per day at 8 AM.

Mt. Charleston Seasonal Snowfall

Season	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
1979-1980	M	M	M	M	M	M	M	M	M	M	2.0	0.0	M
1980-1981	0.0	M	0.0	T	T	3.5	6.5	3.0	41.0	T	0.0	0.0	54.0
1981-1982	0.0	T	T	T	19.0	0.0	42.5	12.5	42.0	5.0	T	0.0	121.0
1982-1983	0.0	0.0	T	0.0	15.0	26.5	21.5	21.0	43.5	8.0	3.0	0.0	138.5
1983-1984	0.0	0.0	0.0	0.0	12.0	3.0	2.0	8.7	0.5	4.0	0.0	0.0	30.2
1984-1985	T	0.0	0.0	0.0	27.5	41.5	11.0	4.0	9.6	0.5	0.0	T	94.1
1985-1986	0.0	0.0	0.0	0.0	15.0	3.0	3.0	11.0	18.0	2.0	10.0	0.0	62.0
1986-1987	0.0	0.0	0.0	1.4	0.0	6.0	19.8	16.0	14.3	5.0	T	0.0	62.5
1987-1988	0.0	0.0	0.0	0.0	0.8	33.5	25.1	6.3	1.5	8.8	8.3	0.0	84.3
1988-1989	0.0	0.0	T	0.0	5.0	26.6	19.6	24.0	6.6	0.8	3.0	0.0	85.6
1989-1990	0.0	T	0.0	1.0	T	0.0	45.3	35.8	7.5	2.2	2.8	0.0	93.6
1990-1991	0.0	0.0	0.0	0.0	4.5	21.0	3.5	11.5	85.3	0.0	6.2	0.0	132.0
1991-1992	0.0	0.0	T	2.0	11.0	11.3	19.8	51.8	48.9	0.3	0.0	0.0	145.1
1992-1993	0.0	0.0	0.0	0.0	T	47.8	53.1	58.3	5.8	1.5	0.0	4.0	170.5
1993-1994	0.0	T	0.0	0.3	9.8	6.0	3.5	46.8	5.8	5.8	0.8	0.0	78.8
1994-1995	0.0	0.0	0.0	1.0	26.1	M	87.5	9.0	32.8	6.8	6.3	0.5	170.0
1995-1996	0.0	0.0	0.0	0.0	0.0	9.0	2.5	34.4	9.8	T	9.0	0.0	64.7
1996-1997	T	0.0	0.0	8.6	5.6	10.0	27.3	5.5	0.5	4.2	0.0	0.0	61.7
1997-1998	0.0	0.0	T	0.0	13.0	15.0	12.0	90.6	39.0	11.3	6.8	0.0	187.7
1998-1999	0.0	0.0	0.0	1.0	3.0	2.5	8.5	7.0	1.5	41.5	T	4.0	69.0
1999-2000	0.0	0.0	0.0	T	0.0	T	2.3	61.5	21.0	T	0.0	0.0	84.8
2000-2001	0.0	0.0	0.0	6.0	2.0	1.0	49.0	53.5	3.7	22.5	0.0	0.0	137.7
2001-2002	0.0	0.0	0.0	0.0	9.0	11.7	9.0	3.0	17.0	0.0	0.0	0.0	49.7
2002-2003	0.0	0.0	0.0	1.0	2.0	23.0	T	27.0	10.0	7.0	2.0	0.0	72.0
2003-2004	0.0	0.0	0.0	0.0	14.0	28.0	3.0	48.3	14.0	5.0	0.0	0.0	112.3
2004-2005	0.0	0.0	0.0	17.0	24.0	26.0	67.5	62.1	11.9	5.0	T	0.0	213.5
2005-2006	0.0	0.0	0.0	0.0	0.0	0.3	5.6	9.5	46.6	11.0	0.0	0.0	73.0
2006-2007	0.0	0.0	T	T	T	17.0	3.0	21.0	7.0	7.1	T	0.0	55.1
2007-2008	0.0	0.0	0.0	T	0.0	8.2	40.0	28.0	9.5	0.0	2.0	0.0	87.7
2008-2009	0.0	0.0	T	T	0.5	50.3	2.0	71.0	1.0	10.0	T	0.0	134.8
2009-2010	T	0.0	0.0	T	5.0	23.0	62.0	35.0	12.0	9.0	4.0	0.0	150.0
2010-2011	0.0	0.0	0.0	T	6.0	61.5	13.0	17.5	20.0	4.0	0.5	0.0	122.5
2011-2012	0.0	0.0	0.0	3.0	8.0	29.0	12.5	9.0	12.0	5.5	0.0	0.0	79.0
2012-2013	0.0	0.0	0.0	T	T	29.9	T	5.8	12.0	3.5	T	0.0	51.2
2013-2014	0.0	0.0	0.0	5.0	20.0	10.7	2.0	0.9	3.9	3.1	1.0	0.0	46.6
2014-2015	0.0	0.0	0.0	0.0	0.7	11.7	3.6	11.9	12.3	0.5	2.3	0.0	43.0
2015-2016	0.0	0.0	0.0	T	9.7	9.1	27.5	7.5	7.0	5.1	T	0.0	66.5
2016-2017	0.0	0.0	0.0	0.0	1.9	21.4	87.8	30.6	6.6	0.4	0.3	0.0	149.0
2017-2018	0.0	0.0	0.0	0.0	0.0	0.8	4.7	4.5					

