

**ATTACHMENT 1:**  
**NOAA STORM DATA**



Boulder wind information, from NOAA-CIRES Climate Diagnostics Center

Boulder has some of the highest peak winds of any city in the US. What follows is a list of significant Boulder area wind events and then a table of high winds per month. Inconsistent reporting may mean that events are missing or that the wind speeds are not accurate. All speeds in MPH unless indicated. Gust is peak gust in Boulder (or very near) unless indicated. Dates with gusts greater or equal to 90 MPH are in bold.

<u>Date(s)</u>	<u>Time of day</u>	<u>Gusts</u>	<u>Comments</u>
Sep 13-14 1966	?	60+	snow, extensive tree damage
Jan 15-16 1967	night	125	NCAR (75 city) Chinook
Dec 6-7 1967	8am-noon	-75	
Dec 4 1968	midday	>50	
Dec 11-12 68	10pm-11am	50-75	
Jan 7-8 1969	evening	130 96 25	NCAR freq gusts >100 6-9pm in Boulder roofs blown off heavy damage in Boulder area
Mar 19 1969	am	60-70	estimated 80-90
Apr 6-7 1969	?	50-60	started fires
June 25 1969	10am-midpm	120	Table Mesa (70 Boulder)
Dec 20 1969	8:30-10:30p	>100	NCAR: 60-70 Boulder and Rocky Flats
Jan 24-25 1970	PM to eve next day	122	Wnd 60-70 light widespread damage
Feb 2 1970	3pm to 12am	>100	60 to 100
Apr 14 1970		45-60	most of state
Nov 30 1970	day	> 60	80-90 in Boulder area
Mar 31 1971	pm	45-65	foothills
Mar 6 1972	7-11pm	69	69 at 7:30 and 64 at 11
Jan 5 1972	day	85	
Jan 9-10 1972	aft to morn	86	blew many trees down
Jan 11-12 1972	morn-morn	97	much damage to cars, buildings,
Jan 22 1972	early aft	71	killed motorcyclist
Jan 24 1972	aft	92	at 1:00pm
Jan 28 1972	night	90	at 10:45
Nov 29-30 1972		50-60	foothills
Oct 24 1972	morning	75	recorded at NIST
Dec 12 1972	morning	> 100	120 in area at 7:30am
Nov 12 1974		> 80	foothills area
Jan 5-6 1975	5-6pm 5th am 6th	> 75	house and business damage
Jan 18 1975		> 80	much damage along front range
Jan 20 1975		> 80	Boulder/Longmont/Denver
Ap 27-28 1975		> 85	85 evening 27th Fort Collins, Greeley
Jun 25-26 1975	night	??	strong winds
Oct 8 1975		> 100	gusts over 60 front range and one over 100mph in Boulder
Nov 30- Dec 2 1975		> 100	Chinook all along foothills gusts > 100

Jan 15 1976	70-80	Chinook Wyoming to Co springs
Feb 7 1976	90	gusts 46-49 NCAR and 70-90
Feb 17-18 1976 30-60		
June 14 1976 daytime	82	ERL had 82 mph at 14:32 87MPH at Rocky Flats 99 200' above ground; widespread damage
	101	SW Boulder
Nov 22 1977 morning	109	winds blew out windows and injured some. 90mph Rocky Flats
Nov 26 1977 midday		
	?	85mph Wondervu
Nov 29 1977 morning	103	60-103 in Boulder
Dec 2 1977 morning	90	74-90 gusts in Boulder
Dec 3 1977 all day		
Dec 6 1977 afternoon	85	
Dec 7 1977 all day	115	much damage to trailers and cars
Dec 22 1977 morning	93	Recorded at Table Mesa
Dec 23 1977 morning	90	
Dec 24 1977 morning	70	
Aug 14 1978 1500-1700	101	92-101
Nov 28 1978 all day	60-90	foothills
Dec 4 1978 afternoon	?150	50-150 Boulder area (unclear where the 150 was)
	90	90 in morning in Boulder
Dec 23-24 1978 all day		73 in afternoon
	99	50-80 common along front range
Feb 7 1979 aft. and eve.	50	
Feb 8 1981 midday	60-70	foothill canyons
Mar 29-31 1981 all day	85	Table Mesa
Jan 3-4 1982 all day	104	Chinook
Jan 14 1982 unknown	137	at NCAR 2:30am; 20 gusts > ,120
Jan 16-17 1982 night-aft		40% of all Boulder buildings damaged 136 Lyons
	60-80	
Jan 23 1982 unknown	92	(mostly Fort Collins)
Jan 24 1982 unknown	60-90	Chinook
Mar 9 1982 mrn	90	
Mar 12 1982 ?	90	
Mar 29-30 1982 all day	90	
Apr 2 1982 all day	60-80	127 Rocky Flats
Apr 12 1982 unk	60	100 Jeffco airport
Aug 20 1982 eve	72	Thunderstorm SE Boulder
Dec 18-20 1982 midday	75-80	19th 62 evn of 20th
Jan 5-6 1983 unk	60-75	
Jan 9-10 1983 unk	70-90	
March 30 1983 aft	82	at NCAR 2:30
March 31 1983 aft	70	
July 10 1983 evn	70	thunderstorm
Dec 5-8 1983 all day	102	on the 6th. Also on 8th, 97 SE Boulder 60-70 in general
	71	
Jan 29 1984 0100-0400	72	Rocky Flats; 70 in Boulder Chinook
Apr 11 1984 1430-1830	69	
May 12 1984 evn	67	thunderstorm 7 miles E Boulder
May 31 1984 1843	60-80	
Nov 28 1984 mrn	108	Table Mesa 339 am and 1030
Dec 22-23 1984 all day	76	widespread winds
Mar 26 1985 1000-1700		

Apr 19 1985 all day	62	Longmont
Jun 21 1985 0145	60	Longmont
Oct 22 1985 0800-1300	89	eastern Boulder
Dec 3 1985 mrn	78	Table Mesa at 816
Dec 14 1985 0710	61	Table Mesa
Dec 25 1985 2051	68	Table Mesa (in snow)
Jan 2 1986 mrn	82	Table Mesa (60-80 in Boulder)
Jan 4 1986 1000	61	Longmont
Jan 18 1986 1605	60	
Jan 20 1986 1100-2200	?	strong winds N Denver
Jan 28 1986 1020	67	
Feb 15 1986 0000-1500	95	500 Boulder Chinook
Feb 16-17 1986 all day	89	Table Mesa 2333 Chinook
Feb 22 1986 1000-2000	60	Longmont
Feb 24 1986 0606	65	
Mar 9 1986 0000-0800	60-70	N of col springs to Boulder
Apr 2 1986 1730-1900	70	thunderstorm winds
Apr 13 1996 0300-1300	79	
May 4-5 1986 2000-1000	60-75	cold front
Sep 24 1986 all day	131	2200 Tab. Mesa; Davidson Mesa 118; IBM 92 trees down, power, out cars damages
Nov 15 1986 eve	81	Table Mesa; Chinook winds 1925
Jan 28-29 1987 all day	99	8 MST NCAR Rocky Flats 99 at night
Apr 19 1987 1530-1900	50-70	all along front range from cold front
Dec 7 1987 mrn	93	NCAR at 8mst 76 in Boulder
Dec 10 1987 all day	60-75	most of NE Colorado
Dec 21 1987 mrn	97	NCAR at 1000; 78 Boulder, 85 Table Mesa
Jan 23 1988 mrn	105	Table Mesa at 534; 80-90 other areas in Boulder broke many windows and power out
Feb 9 1988 ???	96	just east Boulder; 85 Rocky Flats at 1345; > ;60 many places bet 1000 and 1800
Feb 15 1988 ?	75	615
Feb 21 1988 evn	90	just east Boulder
Feb 22 1988 mrn	83	0400
Mar 25 1988 midday	75	NW out of mountains at 1500
May 7 1988 mrn	110	Table Mesa 515; 12000 lost power 92 Rocky Flats; 91 Boulder
Sep 18 1988 evn	82	in Longmont 1800-2200
Oct 17 1988 210	6	east Boulder
Dec 12 1988 mrn	70	Table Mesa 722; 61 east Boulder
Dec 13 1988 unknown	66	
Dec 22 1988 midnight-1000	95	N Boulder 80 Table Mesa 3-5 72 Boulder at 1800
Jan 2 1989 all day	60-70	along foothills
Jan 9 1989 4-11 am	115	Chinook; 115 Boulder airport, 103 S Table Mesa 92 SE Boulder
Jan 16 1989 midday-9	80	SW Boulder 2:28 100 Rollinsville
Mar 14 1989 morning	105	just east Boulder; 100 N city
Nov 6 1989 afternoon	54	

Nov 7 1989 afternoon	60-70	
Nov 8-9 1989 afternoon to am ?	95	Rollinsville
Nov 24 1989 afternoon	54	
Jan 8 1990 all day	92	in mtn Table Mesa
Jan 9 1990 0000-0900	50-70	Longmont and along front range
Jan 10 1990 0000-0800	85	Chinook; very high temps
Jan 29 1990 0000-2100	94	Table Mesa winds 50-90
Feb 8 1990 1000-1400	>50	
Feb 10 1990 0000-0900	93	Rollinsville; mostly higher in foothills
June 1 1990 1405	55	Thunderstorm winds
June 1 1990 1805	53	unknown cause
Oct 13 1990 1200-2000	96	NW Boulder 78 NCAR downslope winds
Dec 2-3 1990 0800-0200	>50	downslope winds all along foothills
Dec 14-15 1990 1030-1200	120	SW Boulder bora winds
Dec 30 1990 0700-2100	91	Table Mesa downslope
Mar 3-4 1991 0000-2100	106	Shanahan ridge
Nov 6 1991 0000	51	higher winds in foothills
Nov 26 1991 0000-1200	45	in mtn; 51 Rocky Flat
Jan 24 1992 0000-2100	143	93 N Boulder (I think the 143 may be in knots)
June 7 1992 1350	52	Thunderstorm winds
Aug 3 1992 1725	50	Thunderstorm winds
Dec 1 1992 0000-0600	71	
Dec 9 1992 0500-2200	95	Table Mesa
Dec 20 1992 1800-2400	69	Table Mesa
Jan 20-22 1993 0400-2000	55-65	75 at Rocky Flats
Apr 18-19 1993 1000-1200	80	SW Boulder
May 26 1993 1445-1500	90	Thunderstorm east Boulder
June 7 1993 1300-2000	60-80	nonconvective winds
June 26 1993 1615	80	Longmont thunderstorm
Nov 20 1993 2215	72	Table Mesa
Dec 5 1993 0200-1130	68	Table Mesa
Dec 9 1993 0635	73	Boulder
Jul 2 1994 1810	57	Thunderstorm winds Boulder
Sep 12 1994 2115	58	Microburst winds Boulder
Oct 5 1994 1544	52	Thunderstorm winds Lafayette
Oct 6 1994 0500-0600	68	High winds above 9500
Nov 17 1994 1050	57	High Winds
Nov 28 1994 0630	63	High Winds Boulder
Nov 29 1994 1500-1800	80	High Winds northern foothills
Dec 11 1994 1130-1500	58kn	High Winds Boulder
Dec 19 1994 0130-2100	80kn	Rocky Flats ; strong winds along front range
Aug 6 1995 1645-1700	50	Microburst Broomfield
Nov 9 1995 0400-1300	50-57k	Downslope winds Boulder area
Nov 11 1995 0400-1400	84mph	Downslope winds Boulder region
Nov 11-12 1995 2100-0630	124	at NCAR; other: 90k table Mesa Gold.Gate 86kn, Rocky Flats 74k

Boulder Climatologies  
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