

Supplement for: Observations and simulations of the seasonal evolution of snowpack cold content and its relation to snowmelt and the snowpack energy budget

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10 **Table S1. Information on the time range and number of snow pit observations per water year at the alpine and subalpine sites in the Niwot Ridge LTER.**

Site	Water year	Start	End	Total
Alpine	1995	1995-01-24	1995-07-05	21
	1996	1996-01-19	1996-06-21	20
	1997	1997-01-24	1997-06-30	20
	1998	1998-01-20	1998-06-22	18
	1999	1999-01-20	1999-06-22	15
	2000	2000-01-14	2000-06-06	17
	2001	2001-01-16	2001-06-05	15
	2002	2001-12-10	2002-03-25	10
	2003	2002-11-13	2003-06-18	15
	2004	2003-12-12	2004-06-07	18
	2005	2005-02-01	2005-06-21	12
	2006	2006-01-24	2006-06-06	11
	2007	2007-02-09	2007-05-10	4
	2008	2008-02-22	2008-06-17	7
	2009	2008-12-31	2009-06-25	18
2010	2010-01-11	2010-06-09	21	
2011	2010-12-07	2011-07-06	21	
2012	2012-01-24	2012-05-23	16	
2013	2013-01-03	2013-06-10	13	

	2007	2007-02-07	2007-05-23	15
	2008	2007-12-20	2008-05-27	18
	2009	2008-12-22	2009-05-07	17
Subalpine	2010	2009-10-28	2010-06-02	25
	2011	2010-12-15	2011-06-21	28
	2012	2011-11-15	2012-04-25	21
	2013	2012-12-13	2013-05-29	23