year	type	date	season	elevation (km^2)	dail. ablation (km^2)	mon. ablation (km^2)	seas. ablation (km^2)	ann. ablation (km^2)	dail. balance (km^2)	mon. balance (km^2)	seas. balance (km^2)	ann. balance (km^2)
1980	BSL		EARLY SEPTEMBER	3.54								
1980	BSL		EARLY SEPTEMBER	2.15								
1980	BSL		EARLY SEPTEMBER	2.96								
1980	BSL		EARLY SEPTEMBER	1.42								
1980	BSL		EARLY SEPTEMBER	1.95								
1980	BSL		EARLY JUNE									
1980	BSL		EARLY JULY									
1980	BSL		EARLY AUG									
1980	BSL		LATE JULY									
1980	BSL		LATE AUGUST	57.50								
1980	BSL		LATE AUGUST	51.33								
1980	BSL		EARLY SEPTEMBER	51.97								
1980	BSL		LATE SEPTEMBER	4.95	42.50	57.96	57.96	49.63				
1981	BSL		EARLY JUNE	0.82								
1981	BSL		EARLY JULY	0.60								
1981	BSL		EARLY AUG	57.39								
1981	BSL		LATE JULY	39.81								
1981	BSL		EARLY AUGUST	8.61								
1981	BSL		LATE AUGUST									
1981	BSL		EARLY SEPTEMBER									
1981	BSL		LATE SEPTEMBER	4.66	38.83	57.50	57.50	45.50	151.44			
1982	BSL		EARLY AUGUST	13.50								
1982	BSL		EARLY JUNE	0.68								
1982	BSL		EARLY JULY	0.68								
1982	BSL		EARLY AUG	8.57								
1982	BSL		LATE JULY	12.27								
1982	BSL		EARLY AUGUST	5.78								
1982	BSL		LATE AUGUST	5.78								
1982	BSL		EARLY SEPTEMBER	4.69		7.56	13.27	13.27	38.50	189.66		
1982	BSL		LATE SEPTEMBER									
1983	BSL		EARLY JUNE	0.00								
1983	BSL		LATE JUNE	0.00								
1983	BSL		EARLY JULY	4.50								
1983	BSL		LATE JULY	1.75								
1983	BSL		EARLY AUG	2.70								
1983	BSL		LATE AUGUST	3.75								
1983	BSL		EARLY SEPTEMBER	4.69								
1983	BSL		LATE SEPTEMBER	1.50	3.00	4.50	7.50	39.70	210.69			
1984	BSL		EARLY JUNE	0.00								
1984	BSL		LATE JUNE	2.70								
1984	BSL		EARLY JULY	4.75								
1984	BSL		LATE JULY	4.75								
1984	BSL		EARLY AUG	4.50								
1984	BSL		LATE AUGUST	2.70								
1984	BSL		EARLY SEPTEMBER	4.75								
1984	BSL		LATE SEPTEMBER	1.25	3.00	4.75	4.75	45.00	151.44			
1985	BSL		EARLY JUNE	0.00								
1985	BSL		LATE JUNE	7.57								
1985	BSL		EARLY JULY	7.22								
1985	BSL		LATE JULY	2.70								
1985	BSL		EARLY AUG	2.90								
1985	BSL		LATE AUGUST	2.52								
1985	BSL		EARLY SEPTEMBER	2.25								
1985	BSL		LATE SEPTEMBER		4.88	7.57	7.61	45.74				
1986	BSL		EARLY JUNE	0.00								
1986	BSL		LATE JUNE	7.50								
1986	BSL		EARLY JULY	5.08								
1986	BSL		LATE JULY	5.08								
1986	BSL		EARLY AUG	5.50								
1986	BSL		LATE AUGUST	3.81								
1986	BSL		EARLY SEPTEMBER									
1986	BSL		LATE SEPTEMBER		5.24	7.50	7.68	45.61				
1987	BSL		EARLY JUNE	4.89								
1987	BSL		LATE JUNE	5.28								
1987	BSL		EARLY JULY	2.25								
1987	BSL		LATE JULY	2.25								
1987	BSL		EARLY AUG	1.08								
1987	BSL		LATE AUGUST	1.08								
1987	BSL		EARLY SEPTEMBER	0.45	3.27	5.36	5.31	39.43				
1987	BSL		LATE SEPTEMBER									
1988	BSL		EARLY JUNE	0.00								
1988	BSL		LATE JUNE	5.18								
1988	BSL		EARLY JULY	9.58								
1988	BSL		LATE JULY	5.85								
1988	BSL		EARLY AUG	5.85								
1988	BSL		LATE AUGUST	5.85								
1988	BSL		EARLY SEPTEMBER	5.85								
1988	BSL		LATE SEPTEMBER	3.78	5.67	9.58	10.83	39.20				
1989	BSL		EARLY JUNE	0.00								
1989	BSL		LATE JUNE	8.54								
1989	BSL		EARLY JULY	7.92								
1989	BSL		LATE JULY	7.92								
1989	BSL		EARLY AUG	4.98								
1989	BSL		LATE AUGUST	4.98								
1989	BSL		EARLY SEPTEMBER	3.51								
1989	BSL		LATE SEPTEMBER	0.00		4.98	8.96	8.96	48.84			
1990	BSL		EARLY JUNE	0.00								
1990	BSL		LATE JUNE	9.79								
1990	BSL		EARLY JULY	8.61								
1990	BSL		LATE JULY	8.61								
1990	BSL		EARLY AUG	8.61								
1990	BSL		LATE AUGUST	8.61								
1990	BSL		EARLY SEPTEMBER	2.43								
1990	BSL		LATE SEPTEMBER	0.00		7.62	9.79	9.79	53.87			
1991	BSL		EARLY JUNE	0.00								
1991	BSL		LATE JUNE	7.54								
1991	BSL		EARLY JULY	10.83								
1991	BSL		LATE JULY	10.83								
1991	BSL		EARLY AUG	8.13								
1991	BSL		LATE AUGUST	8.13								
1991	BSL		EARLY SEPTEMBER	4.17								
1991	BSL		LATE SEPTEMBER	0.00		8.58	15.85	15.85	15.52			
1992	BSL		EARLY JUNE	0.00								
1992	BSL		LATE JUNE	4.17								
1992	BSL		EARLY JULY	6.94								
1992	BSL		LATE JULY	6.94								
1992	BSL		EARLY AUG	4.03								
1992	BSL		LATE AUGUST	4.03								
1992	BSL		EARLY SEPTEMBER	2.43								
1992	BSL		LATE SEPTEMBER	1.08	4.06	6.94	7.26	46.06				
1993	BSL		EARLY JUNE	0.00								
1993	BSL		LATE JUNE	7.68								
1993	BSL		EARLY JULY	7.68								
1993	BSL		LATE JULY	6.77								
1993	BSL		EARLY AUG	6.77								
1993	BSL		LATE AUGUST	5.83								
1993	BSL		EARLY SEPTEMBER	5.83								
1993	BSL		LATE SEPTEMBER	0.00		6.81	9.58	10.72	39.53			
1994	BSL		EARLY JUNE	0.00								
1994	BSL		LATE JUNE	7.68								
1994	BSL		EARLY JULY	12.54								
1994	BSL		LATE JULY	12.54								
1994	BSL		EARLY AUG	5.42								
1994	BSL		LATE AUGUST									
1994	BSL		EARLY SEPTEMBER			8.65	13.50	13.50	7.28			
1994	BSL		LATE SEPTEMBER									
1995	BSL		EARLY JUNE	0.00								
1995	BSL		LATE JUNE	4.59								
1995	BSL		EARLY JULY	49.49								
1995	BSL		LATE JULY	68.15								
1995	BSL		EARLY AUG	42.00								
1995	BSL		LATE AUGUST	41.03								
1995	BSL		EARLY SEPTEMBER	6.46		54.68	74.25	74.25	45.43			
1995	BSL		LATE SEPTEMBER	0.00								
1996	BSL		EARLY JUNE	0.00								
1996	BSL		LATE JUNE	6.50								
1996	BSL		EARLY JULY	26.33								
1996	BSL		LATE JULY	6.23								
1996	BSL		EARLY AUG	7.80								
1996	BSL		LATE AUGUST	1.56								
1996	BSL		EARLY SEPTEMBER	3.90		6.45	17.75	17.75	38.94			
1996	BSL		LATE SEPTEMBER	0.00								
1997	BSL		EARLY JUNE	0.00								
1997	BSL		LATE JUNE	7.08								
1997	BSL		EARLY JULY	9.67								
1997	BSL		LATE JULY	9.67								
1997	BSL		EARLY AUG	7.73								
1997	BSL		LATE AUGUST	7.73								
1997	BSL		EARLY SEPTEMBER	4.25								
1997	BSL		LATE SEPTEMBER	0.00		6.45	17.75	17.75	38.94			
1998	BSL		EARLY JUNE	0.00								
1998	BSL		LATE JUNE	7.50								
1998	BSL		EARLY JULY	9.58								
1998	BSL		LATE JULY	9.58								
1998	BSL		EARLY AUG	9.58								
1998	BSL		LATE AUGUST	9.58								
1998	BSL		EARLY SEPTEMBER	5.42								
1998	BSL		LATE SEPTEMBER	0.00		8.58	15.85	15.85	15.52			
1999	BSL		EARLY JUNE	0.00								
1999	BSL		LATE JUNE	4.17								
1999	BSL		EARLY JULY	6.94								
1999	BSL		LATE JULY	6.94								
1999	BSL		EARLY AUG	4.03								
1999	BSL		LATE AUGUST	4.03								
1999	BSL		EARLY SEPTEMBER	2.43								
1999	BSL		LATE SEPTEMBER	1.08	4.06	6.94	7.26	46.06				
2000	BSL		EARLY JUNE	0.00								
2000	BSL		LATE JUNE	7.68								
2000	BSL		EARLY JULY	7.68								
2000	BSL		LATE JULY	6.77								
2000	BSL		EARLY AUG	6.77								
2000	BSL		LATE AUGUST	5.83								
2000	BSL		EARLY SEPTEMBER	5.83								
2000	BSL		LATE SEPTEMBER	0.00		6.81	9.58	10.72	39.53			
2001	BSL		EARLY JUNE	0.00								
2001	BSL		LATE JUNE	7.54								
2001	BSL		EARLY JULY	10.83								
2001	BSL		LATE JULY	22.54								
2001	BSL		EARLY AUG	8.13								
2001	BSL		LATE AUGUST	5.42								
2001	BSL		EARLY SEPTEMBER			8.65	13.50	13.50	7.28			
2001	BSL		LATE SEPTEMBER									
2002	BSL		EARLY JUNE	0.00								
2002	BSL		LATE JUNE	4.59								
2002	BSL		EARLY JULY	49.49								
2002	BSL		LATE JULY	68.15								
2002	BSL		EARLY AUG	42.00								
2002	BSL		LATE AUGUST	41.03								
2002	BSL		EARLY SEPTEMBER	6.46		54.68	74.25	74.25	45.43			
2002	BSL		LATE SEPTEMBER	0.00								
2003	BSL		EARLY JUNE	0.00								
2003	BSL		LATE JUNE	6.50								
2003	BSL		EARLY JULY	26.33								
2003	BSL		LATE JULY	6.23								
2003	BSL		EARLY AUG	7.80								
2003	BSL		LATE AUGUST	1.56								
2003	BSL		EARLY SEPTEMBER	3.90		6.45	17.75	17.75	38.94			
2003	BSL		LATE SEPTEMBER	0.00								
2004	BSL		EARLY JUNE	0.00								
2004	BSL		LATE JUNE	7.08								
2004	BSL		EARLY JULY	9.67								
2004	BSL		LATE JULY	9.67								
2004	BSL		EARLY AUG	5.73								
2004	BSL		LATE AUGUST	5.73								
2004	BSL		EARLY SEPTEMBER	4.25								
2004	BSL		LATE SEPTEMBER	0.00		6.45	9.67	9.67	39.89			
2005	BSL		EARLY JUNE	0.00								
2005	BSL		LATE JUNE	7.50								
2005	BSL		EARLY JULY	9.44								
2005	BSL		LATE JULY	10.83								
2005	BSL		EARLY AUG	7.43								
2005	BSL		LATE AUGUST	3.56								
2005	BSL		EARLY SEPTEMBER	3.25								
2005	BSL		LATE SEPTEMBER	0.00		6.81	10.83	10.83	34.79	204.71		
2006	BSL		EARLY JUNE	4.93								
2006	BSL		LATE JUNE	5.92								
2006	BSL		EARLY JULY	6.79								
2006	BSL		LATE JULY	6.79								
2006	BSL		EARLY AUG	1.08								
2006	BSL		LATE AUGUST	1.35								
2006	BSL		EARLY SEPTEMBER	1.35								
2006	BSL		LATE SEPTEMBER	0.00		3.31	5.92	5.92	50.57			
2007	BSL		EARLY JUNE	2.52								
2007	BSL		LATE JUNE	7.73								
2007	BSL		EARLY JULY	7.61								
2007	BSL		LATE JULY	7.61								
2007	BSL		EARLY AUG	5.25								
2007	BSL		LATE AUGUST	5.25								
2007	BSL		EARLY SEPTEMBER	1.25								
2007	BSL		LATE SEPTEMBER	0.42	5.18	7.61	8.50	7.50	262.71			
2008	BSL		EARLY JUNE	0.00								
2008	BSL		LATE JUNE	5.58								
2008	BSL		EARLY JULY	4.75								
2008	BSL		LATE JULY	4.75								
2008	BSL		EARLY AUG	3.08								
2008	BSL		LATE AUGUST	4.58								
2008	BSL		EARLY SEPTEMBER	3.75								
2008	BSL		LATE SEPTEMBER	2.50	3.33	6.25	6.67	4.66	213.21			
2009	BSL		EARLY JUNE	7.61								
2009	BSL		LATE JUNE	6.68								
2009	BSL		EARLY JULY	5.42								
2009	BSL		LATE JULY	5.42								
2009	BSL		EARLY AUG	2.71								
2009	BSL		LATE AUGUST	2.71								
2009	BSL		EARLY SEPTEMBER	1.25								
2009	BSL		LATE SEPTEMBER	0.00		4.58	7.61	8.12	8.25			
2010	BSL		EARLY JUNE	3.21								
2010	BSL		LATE JUNE	10.55								
2010	BSL		EARLY JULY	8.35								
2010	BSL		LATE JULY	8.35								
2010	BSL		EARLY AUG	5.42								
2010	BSL		LATE AUGUST	5.42								
2010	BSL		EARLY SEPTEMBER	2.92								
2010	BSL		LATE SEPTEMBER	0.00		6.49	11.35	11.35	23.97			
2011	BSL		EARLY JUNE	0.00								
2011	BSL		LATE JUNE	5.75								
2011	BSL		EARLY JULY	7.92								
2011	BSL		LATE JULY	7.92								
2011	BSL		EARLY AUG	2.29								
2011	BSL		LATE AUGUST	2.08								
2011	BSL		EARLY SEPTEMBER	0.83								
2011	BSL		LATE SEPTEMBER	0.00		2.85	4.48	4.48	10.55			
2012	BSL		EARLY JUNE	0.00								
2012	BSL		LATE JUNE	5.83								
2012	BSL		EARLY JULY	6.79								
2012	BSL		LATE JULY	6.79								
2012	BSL		EARLY AUG	1.67								
2012	BSL		LATE AUGUST	0.52								
2012	BSL		EARLY SEPTEMBER									
2012	BSL		LATE SEPTEMBER			1.15	1.98	2.52	10.52			
2013	BSL		EARLY JUNE	0.94								
2013	BSL		LATE JUNE	5.58								
2013	BSL		EARLY JULY	6.31								
2013	BSL		LATE JULY	6.31								
2013	BSL		EARLY AUG	0.42								
2013	BSL		LATE AUGUST	0.42								
2013	BSL		EARLY SEPTEMBER	0.31								
2013	BSL		LATE SEPTEMBER	0.00		0.85	1.98	2.98	3.81			
2014	BSL		EARLY JUNE	0.41								
2014	BSL		LATE JUNE	5.58								
2014	BSL		EARLY JULY	5.46								
2014	BSL		LATE JULY	3.96								
2014	BSL		EARLY AUG	1.08								
2014	BSL		LATE AUGUST	1.08								
2014	BSL		EARLY SEPTEMBER	0.56								
2014	BSL		LATE SEPTEMBER			2.38	4.09	4.09	30.06			
2015	BSL		EARLY JUNE	5.75								
2015	BSL		LATE JUNE	5.75								
2015	BSL		EARLY JULY	4.58								
2015	BSL		LATE JULY	4.58								
2015	BSL		EARLY AUG	1.98								
2015	BSL		LATE AUGUST	1.98								
2015	BSL		EARLY SEPTEMBER	1.25								
2015	BSL		LATE SEPTEMBER	0.70		2.70	4.58	5.32	42.27			
2016	BSL		EARLY JUNE	1.25								
2016	BSL		LATE JUNE	5.75								
2016	BSL		EARLY JULY	2.29								
2016	BSL		LATE JULY	2.29								
2016	BSL		EARLY AUG	1.46								
2016	BSL		LATE AUGUST	0.69								
2016	BSL		EARLY SEPTEMBER	0.69								
2016	BSL		LATE SEPTEMBER	1.25		1.60	3.75	4.37	28			
2017	BSL		EARLY JUNE	1.25								
2017	BSL		LATE JUNE	5.00								
2017	BSL		EARLY JULY	1.25								
2017	BSL		LATE JULY	1.25								
2017	BSL		EARLY AUG	1.25								
2017	BSL		LATE AUGUST	2.50								
2017	BSL		EARLY SEPTEMBER	0.42								
2017	BSL		LATE SEPTEMBER			1.67	3.5	4.17	10.6			
2018	BSL		EARLY JUNE	2.91								
2018	BSL		LATE JUNE	5.84								
2018	BSL		EARLY JULY	5.21								
2018	BSL		LATE JULY	5.21								
2018	BSL		EARLY AUG	2.08								
2018	BSL		LATE AUGUST	0.83								
2018	BSL		EARLY SEPTEMBER	0.42								
2018	BSL		LATE SEPTEMBER			2.79	5.84	6.26	33.1			
2019	BSL		EARLY JUNE	3.75								
2019	BSL		LATE JUNE	5.75								
2019	BSL		EARLY JULY	4.73								
2019	BSL		LATE JULY	12.08								
2019	BSL		EARLY AUG	2.91								
2019	BSL		LATE AUGUST	2.91								
2019	BSL		EARLY SEPTEMBER	1.25								
2019	BSL		LATE SEPTEMBER			4.59	12.08	12.08	12.1			

year	type	date	season	elevation (km^2)	dail. ablation (km^2)	mon. ablation (km^2)	seas. ablation (km^2)	ann. ablation (km^2)	dail. balance (km^2)	mon. balance (km^2)	seas. balance (km^2)	ann. balance (km^2)
Nunatak 2	1984	EARLY JUNE		38.75								
Nunatak 2	1984	EARLY JULY		15.14								
Nunatak 2	1984	EARLY AUG		5.25								
Nunatak 2	1984	LATE AUGUST		6.00								
Nunatak 2	1984	EARLY SEPTEMBER		5.16								
Nunatak 2	1984	LATE SEPTEMBER		3.27	5.36	5.31	39.43	14.42	48.74	48.74	15.07	
Nunatak 2	1985	EARLY JUNE		10.43								
Nunatak 2	1985	LATE JUNE		14.18								
Nunatak 2	1985	EARLY JULY		8.25								
Nunatak 2	1985	LATE JULY		5.25								
Nunatak 2	1985	EARLY AUG		11.25								
Nunatak 2	1985	LATE AUGUST		4.50								
Nunatak 2	1985	EARLY SEPTEMBER		3.75								
Nunatak 2	1985	LATE SEPTEMBER		5.57	9.58	10.83	39.20	12.48	48.43	48.43	10.89	103.17
Nunatak 2	1986	EARLY JUNE		26.18								
Nunatak 2	1986	LATE JUNE		26.18								
Nunatak 2	1986	EARLY JULY		16.50								
Nunatak 2	1986	LATE JULY		16.50								
Nunatak 2	1986	EARLY AUG		42.00								
Nunatak 2	1986	LATE AUGUST		42.00								
Nunatak 2	1986	EARLY SEPTEMBER		21.83								
Nunatak 2	1986	LATE SEPTEMBER		0.00		4.98	8.96	8.96	48.84	34.80	48.54	48.45
Nunatak 2	1987	EARLY JUNE		46.70								
Nunatak 2	1987	LATE JUNE		46.70								
Nunatak 2	1987	EARLY JULY		46.27								
Nunatak 2	1987	LATE JULY		36.73								
Nunatak 2	1987	EARLY AUG		36.73								
Nunatak 2	1987	LATE AUGUST		36.73								
Nunatak 2	1987	EARLY SEPTEMBER		5.14								
Nunatak 2	1987	LATE SEPTEMBER		0.00		7.62	9.79	9.79	53.87	34.83	48.47	48.75
Nunatak 2	1988	EARLY JUNE		25.04								
Nunatak 2	1988	LATE JUNE		25.04								
Nunatak 2	1988	EARLY JULY		42.00								
Nunatak 2	1988	LATE JULY		42.00								
Nunatak 2	1988	EARLY AUG		36.04								
Nunatak 2	1988	LATE AUGUST		36.04								
Nunatak 2	1988	EARLY SEPTEMBER		21.83								
Nunatak 2	1988	LATE SEPTEMBER		0.00		8.58	15.85	15.85	15.52	24.00	42.99	47.92
Nunatak 2	1989	EARLY JUNE		5.40								
Nunatak 2	1989	LATE JUNE		5.40								
Nunatak 2	1989	EARLY JULY		5.08								
Nunatak 2	1989	LATE JULY		5.08								
Nunatak 2	1989	EARLY AUG		2.00								
Nunatak 2	1989	LATE AUGUST		2.00								
Nunatak 2	1989	EARLY SEPTEMBER		0.42								
Nunatak 2	1989	LATE SEPTEMBER		0.00		4.06	6.94	7.26	46.06	0.42	9.06	9.06
Nunatak 2	1990	EARLY JUNE		7.50								
Nunatak 2	1990	LATE JUNE		7.50								
Nunatak 2	1990	EARLY JULY		9.79								
Nunatak 2	1990	LATE JULY		9.79								
Nunatak 2	1990	EARLY AUG		7.62								
Nunatak 2	1990	LATE AUGUST		7.62								
Nunatak 2	1990	EARLY SEPTEMBER		4.17								
Nunatak 2	1990	LATE SEPTEMBER		0.00		6.81	9.58	10.72	39.53	7.62	17.37	17.37
Nunatak 2	1991	EARLY JUNE		7.54								
Nunatak 2	1991	LATE JUNE		7.54								
Nunatak 2	1991	EARLY JULY		10.83								
Nunatak 2	1991	LATE JULY		10.83								
Nunatak 2	1991	EARLY AUG		8.13								
Nunatak 2	1991	LATE AUGUST		8.13								
Nunatak 2	1991	EARLY SEPTEMBER		4.17								
Nunatak 2	1991	LATE SEPTEMBER		0.00		8.58	15.85	15.85	15.52	8.58	15.85	15.85
Nunatak 2	1992	EARLY JUNE		4.03								
Nunatak 2	1992	LATE JUNE		4.03								
Nunatak 2	1992	EARLY JULY		6.94								
Nunatak 2	1992	LATE JULY		6.94								
Nunatak 2	1992	EARLY AUG		4.17								
Nunatak 2	1992	LATE AUGUST		4.17								
Nunatak 2	1992	EARLY SEPTEMBER		2.43								
Nunatak 2	1992	LATE SEPTEMBER		1.08	4.06	6.94	7.26	46.06	4.06	6.94	7.26	46.06
Nunatak 2	1993	EARLY JUNE		7.68								
Nunatak 2	1993	LATE JUNE		7.68								
Nunatak 2	1993	EARLY JULY		6.77								
Nunatak 2	1993	LATE JULY		6.77								
Nunatak 2	1993	EARLY AUG		5.83								
Nunatak 2	1993	LATE AUGUST		5.83								
Nunatak 2	1993	EARLY SEPTEMBER		2.43								
Nunatak 2	1993	LATE SEPTEMBER		0.00		6.81	9.58