

Snow pit no.	Latitude, °	Longitude, °	Elevation, m	Distance to coast, km	Annual snow accumulation, $\text{kg m}^{-2} \text{a}^{-1}$	Depth, cm	Sampling resolution, cm	Sampling year
SP1	-70.52	76.83	1613	132	193.2	150	5.0	2010/2011
SP2	-71.13	77.31	2037	200	172.0	150	3.0	2012/2013
SP3	-71.81	77.89	2295	283	99.4	200	5.0	2012/2013
SP4	-72.73	77.45	2489	387	98.3	200	5.0	2012/2013
SP5	-73.40	77.00	2545	452	90.7	200	5.0	2012/2013
SP6	-73.86	76.98	2627	514	24.6	300	2.5	2012/2013
SP7	-74.50	77.03	2696	585	29.2	100	2.0	2012/2013
SP8	-74.65	77.01	2734	602	80.2	180	2.0	2010/2011
SP9	-76.29	77.03	2843	787	54.8	200	2.0	2012/2013
SP10	-76.54	77.02	2815	810	100.7	240	3.0	2010/2011
SP11	-77.13	76.98	2928	879	81.2	200	2.5	2012/2013
SP12	-77.26	76.96	2962	893	83.4	265	5.0	2009/2010
SP13	-77.91	77.13	3154	968	33.3	200	2.0	2012/2013
SP14	-78.34	77.00	3368	1015	87.6	216	3.0	2010/2011
SP15	-78.35	77.00	3366	1017	70.0	162	2.0	2009/2010
SP16	-79.02	76.98	3738	1092	25.4	200	2.5	2012/2013
SP17	-79.65	77.21	3969	1162	46.2	130	2.0	2010/2011
SP18	-80.40	77.15	4093	1250	24.2	300	2.0	2010/2011
SP19	-80.41	77.11	4092	1254	23.7	300	1.0	2009/2010
SP20	-80.42	77.12	4093	1256	23.5	300	2.5	2012/2013
Core 1 ²	-70.83	77.08	1850	168	127.0	–	–	1996/1997
Core 2 ³	-76.53	77.03	2814	813	101.0	–	–	1998/1999

¹ Annual snow accumulation rate is obtained from the field bamboo stick measurements (2009–2013), updated from the report (Ding et al., 2011). Note that snow accumulation rate at the two ice core sites are derived from ice core measurements. ² Core 1, ice core data of previous report (Li et al., 1999; Xiao et al., 2004). ³ Core 2, ice core data of previous report (Li et al., 2009).