

SOM 1: Anuchin Glacier target displacement from 2008-2017.

Date	Latitude	Longitude	Elevation	Displacement from 2008 (m)
16-Dec-08	-71.29477	13.52183	754 m	0
3-Dec-11	-71.29501	13.52177	734 m	27
22-Nov-12	-71.29506	13.52180	750 m	32
29-Nov-13	-71.29516	13.52168	N/A	44
16-Dec-14	-71.29520	13.52167	N/A	48
21-Dec-15	-71.29531	13.52170	N/A	60
17-Dec-16	-71.29541	13.52172	741 m	72
6-Dec-17	-71.29545	13.521693	N/A	75

SOM 2: 2008-18 ice thickness and freeboard measurements of ice cover

Hole_ID	GPS-S	GPS-E	Freeboard (cm)	Ice thickness (cm)	Density
1	-71.3427	13.45007	46.99	239.52	0.803816
2	-71.3422	13.44875	48.26	248.41	0.805724
3	-71.3427	13.45007	39.37	231.14	0.82967
4	-71.3402	13.44051	20	271.78	0.926411
5	-71.3471	13.41513	27.94	256.54	0.891089
6	-71.356	13.42762	22.86	231.14	0.901099
7	-71.3449	13.45737	27.94	287.02	0.902655
8	-71.337	13.47434	33.02	350.52	0.905797
9	-71.337	13.47434	33.02	345.44	0.904412
10	-71.3482	13.44766	24.13	267.97	0.909953
11	-71.3509	13.43929	30.48	248.92	0.877551
12	-71.3414	13.47218	27.94	316.23	0.911647
13	-71.3411	13.48648	29.21	321.31	0.909091
14	-71.3281	13.53856	25.4	259.08	0.901961
15	-71.3425	13.44942	24	240	0.9
16	-71.3328	13.4539	27	348	0.922414
17	-71.3325	13.45603	42	369	0.886179
18	-71.3323	13.45678	42	374	0.887701
19	-71.3561	13.42751	22	240	0.908333
20	-71.3293	13.45705	34	396	0.914141
21	-71.3295	13.461	30	372	0.919355
22	-71.3315	13.46285	48	393	0.877863
23	-71.3484	13.42777	29	258	0.887597
24	-71.3518	13.41843	23	245	0.906122
25	-71.348	13.41778	34	260	0.869231
26	-71.3444	13.42488	29	268	0.891791
27	-71.3473	13.4746	29	315	0.907937
28	-71.3511	13.43907	25	253	0.901186
29	-71.3432	13.44954	40	290	0.862069
30	-71.328	13.5384	28	260	0.892308
31	-71.3298	13.53595	27	240	0.8875
32	-71.3344	13.53307	22	238	0.907563
33	-71.3363	13.5219	22	232	0.905172
34	-71.3373	13.51986	20	237	0.915612
35	-71.3373	13.51986	19	233	0.918455
36	-71.3376	13.51407	23	263	0.912548
37	-71.3376	13.51407	25	265	0.90566
38	-71.3351	13.51573	23	248	0.907258
39	-71.3343	13.50412	30	301	0.900332
40	-71.3371	13.49141	35	326	0.892638
41	-71.3369	13.47478	42	368	0.88587
42	-71.3561	13.42752	25	244	0.897541
43	-71.3561	13.42751	21	244	0.913934
44	-71.3325	13.45537	45	384	0.882813
45	-71.3321	13.45538	40	382	0.895288
46	-71.3322	13.45558	42.8	377	0.886472

47	-71.3421	13.45428	45	266	0.830827
48	-71.337	13.47497	38	364	0.895604
49	-71.3561	13.42689	26	250	0.896
50	-71.3311	13.484	30	250	0.88
51	-71.3324	13.45471	37	368	0.899457
52	-71.3561	13.42688	29	248	0.883065
53	-71.3368	13.47571	35	358	0.902235
54	-71.3366	13.49087	30	320	0.90625
55	-71.3475	13.45975	25	302	0.917219
56	-71.3559	13.42738	26	220	0.881818
57	-71.3574	13.42468	28	206	0.864078
58	-71.3556	13.42493	26	216	0.87963
59	-71.3551	13.42824	29	217	0.866359
60	-71.3556	13.43047	24	220	0.890909
61	-71.3571	13.43301	24	218	0.889908
62	-71.356	13.42137	27	210	0.871429
63	-71.3555	13.42354	26	216	0.87963
64	-71.3554	13.42241	23	219	0.894977
65	-71.3555	13.42027	28	218	0.87156
66	-71.3552	13.4203	27	215	0.874419
67	-71.3555	13.41828	22	221	0.900452
68	-71.3557	13.41628	28	217	0.870968
69	-71.3549	13.41723	33	219	0.849315
70	-71.3567	13.421	27	220	0.877273
71	-71.3577	13.4194	27	215	0.874419
72	-71.3567	13.42327	27	214	0.873832
73	-71.3397	13.43898	25	216	0.884259
74	-71.3414	13.44458	59	250	0.764
75	-71.3588	13.41277	48	262	0.816794
76	-71.3584	13.40967	32	209	0.84689
77	-71.342	13.45457	30	210	0.857143
78	-71.3364	13.47657	32	336	0.904762
79	-71.3258	13.45606	44	388	0.886598
80	-71.3278	13.4592	35	355	0.901408
81	-71.3276	13.53898	29	220	0.868182
82	-71.331	13.539	26	191	0.863874
83	-71.3366	13.52165	21	212	0.900943
84	-71.3413	13.51011	38	242	0.842975
