

Analyses of Ice Core Data from Various Sites in Svalbard Glaciers from 1987 to 1999

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Outline

For the purpose of clarification of the climate and environmental changes for the past 100 years in the Arctic, the Japanese Arctic Glaciological Expedition (JAGE) conducted a large number of ice corings on a number of glaciers from 1987 to 1999 (Watanabe and Fujii, 1988, 1990; Watanabe *et al.*, 1993, 2000; Watanabe, 1996; Kamiyama *et al.*, 2001; Motoyama *et al.*, 2001).

Ice core data from seven ice coring sites in Svalbard are compiled and reported here. There were ice core data of 85.6 m at Høghetta Ice Dome in 1987, 83.9 m and 24.4 m at Snøfjellafonna in 1992, 185 m and 41 m at Åsgårdfonna in 1993, 10 m at Brøggerbreen in 1994, 211 m at Vestfonna in 1995, 118 m at Austfonna in 1998, 289 m at Austfonna in 1999. The drilling sites are shown in Fig. 1. The characteristics of drilling sites are summarized in Table 1. The tabulated items are the latitude, longitude, altitude, ice core drilling depth, glacier temperature at 10 m depth, and average ice density from surface to 10 m depth and from 10 m to 20 m depth, respectively.

The analytical elements described in the data report are as follows.

1. Oxygen isotope ratio and chemical analysis data

The Oxygen isotope ratio ($\delta^{18}\text{O}$), electrical conductivity, pH and dissolved major ions (MSA^- , Cl^- , NO_3^- , SO_4^{2-} , Na^+ , NH_4^+ , K^+ , Mg^{2+} , Ca^{2+}) are shown in Table 2. Elements which were not measured are left as blank columns. Several $\delta^{18}\text{O}$ samples were mixed. MSA^- ions were measured only from the Austfonna ice core. Only Na^+ ion was measured as a cation of Snøfjellafonna ice core. Every measurement item in the Høghetta ice core was at a different depth. $\delta^{18}\text{O}$, electrical conductivity and pH, major ion components, respectively, are on separate sheet.

2. Tritium concentration

Tritium concentration data of Austfonna, Vestfonna, Åsgårdfonna and Høghetta ice cores are summarized in Table 3.

3. Density of ice core

Weight, length and diameter of ice core were measured. Density profiles starting from the glacier surface are summarized in Table 4. Several data include large errors because the shapes of the ice core were not uniform. Some ice cores were fractured at an angle.

4. Temperature profiles in glaciers

Using the ice core drilling borehole, temperature profile in the glacier were measured. These data are gathered in Table 5.

Published papers on glaciological research on Svalbard glaciers and the scientific results by JAGE are listed here. The ice core drilling operation, in-situ measurement and ice core analysis are described in the respective papers.

Please inquire about the digital data to motoyama@nipr.ac.jp.

Acknowledgments

We thank many persons concerned with arctic glaciological research activity and ice core analysis.

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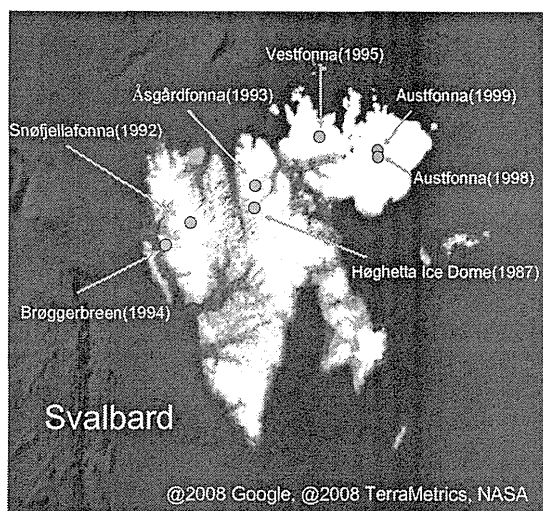


Fig. 1. Locations of drilling sites in Svalbard.

Table 1. Ice coring in Svalbard. Drilling period, position, 10 m ice temperature and surface ice density.

Date	Drilling Sites	Latitude, Longitude	Altitude (m a.s.l.)	Drilling depth (m)	10 m ice temperature (°C)	Ice density (kg/m^3)	
						0 - 10 m	10 - 20m
Apr.-May 1999	Austfonna	79°50'N, 24°00'E	750	289	-2.8	649	840
Mar.-Apr. 1998	Austfonna	79°48'N, 24°00'E	750	118.6	-1.0	601	876
May-Jun. 1995	Vestfonna	79°58'N, 21°01'E	600	210	-3.7	639	839
Sep. 1994	Brøggerbreen	78°52'N, 11°55'E	550	10	0.0	812	
Jun.-Jul. 1993	Åsgårdfonna	79°27'N, 16°43'E	1140	185.3, 49	-6.8	808	881
Jul.-Aug. 1992	Snøfjellaonna	79°08'N, 13°18'E	1190	83.9	-2.8	565	775
		79°08'N, 13°19'E	1160	24.4			
May-Jun. 1987	Høghetta Ice Dome	79°17'N, 16°50'E	1200	85.6 (bedrock)	-11.0	(ice)	(ice)

Table 2. Oxygen isotope ratio and chemical analysis data.

Austfonna in Apr.-Jun., 1999 : Ice Core Data Sheet

Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl^- $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
1.05	1.24	-16.45	11.58	6.21	0.14	36.06	4.01	5.74	51.72	2.27	11.47	4.81	5.34	Many Dust
1.24	1.44	-15.24	2.21	5.35	n.a.	4.79	0.53	0.26	4.45	0.83	0.23	0.20	0.20	
1.44	1.69	-14.00	3.88	5.35	0.09	16.71	0.45	0.83	14.83	0.84	0.35	0.50	0.30	
1.69	1.94	-14.58	6.05	5.82	0.09	26.88	0.56	1.40	23.20	2.62	9.58	0.58	0.98	
1.94	2.19	-14.72	2.19	5.60	n.a.	6.24	0.19	0.14	5.77	0.74	0.19	0.21	0.22	
2.19	2.45	-15.60	3.77	5.49	n.a.	12.62	0.23	0.35	11.64	1.56	3.52	0.25	0.30	
2.45	2.70	-15.48	2.72	5.06	n.a.	10.26	0.32	0.45	8.73	1.32	1.12	0.32	0.29	
2.70	2.96	-15.61	2.52	4.81	n.a.	7.79	0.27	0.26	6.86	1.37	0.37	0.25	0.41	
2.96	3.21	-17.04	2.30	5.81	n.a.	8.23	0.21	0.18	7.85	0.87	0.15	0.28	0.20	
3.21	3.45	-17.39	2.82	5.71	n.a.	11.27	0.48	0.52	9.80	0.84	0.29	0.41	0.26	
3.45	3.70	-17.42	2.88	5.68	n.a.	11.24	0.51	0.30	11.02	0.98	0.36	0.27	0.20	
3.70	3.95	-16.57	3.42	5.39	n.a.	14.24	0.56	0.33	10.64	1.31	0.30	0.29	0.27	
3.95	4.20	-16.57	4.49	4.56	0.11	19.83	1.93	1.76	16.72	2.43	2.34	1.31	1.21	
4.20	4.45	-16.02	3.49	5.56	0.11	13.03	0.62	1.33	10.91	1.33	0.33	0.87	0.38	
4.45	4.70	-15.76	3.23	4.60	0.11	9.99	1.17	1.00	7.87	1.67	0.35	0.60	0.31	
4.70	4.95	-16.96	4.30	5.50	0.07	18.01	1.25	0.56	14.61	1.63	0.60	0.45	0.29	
4.95	5.20	-20.81	4.16	5.28	0.17	18.09	1.18	1.74	14.51	2.50	0.46	1.06	0.40	
5.20	5.45	-18.17	6.60	5.25	0.12	23.10	1.86	5.03	19.81	1.27	0.76	2.99	0.98	
5.45	5.61	-17.02	3.21	5.56	n.a.	11.23	0.39	0.88	11.27	1.84	0.64	0.56	0.39	
5.61	5.77	-17.86	2.26	5.63	0.08	5.34	0.38	0.43	4.88	0.76	0.40	0.32	0.24	
5.77	5.94	-17.50	3.33	5.66	0.07	13.22	0.44	0.67	11.94	0.98	0.32	0.49	0.29	
5.94	6.11	-19.16	3.34	4.67	n.a.	13.81	0.58	0.28	12.45	1.13	0.28	0.29	0.20	
6.11	6.34													small pieces
6.34	6.56	-15.59	4.71	5.26	0.07	24.81	1.28	0.14	22.25	3.27	1.95	1.06	1.62	
6.56	6.78	-16.45	4.73	5.57	n.a.	24.61	1.24	0.46	21.80	1.66	0.74	0.40	0.25	
6.78	7.00	-16.70	7.68	5.12	0.07	43.13	1.91	0.05	37.96	2.82	1.09	0.71	0.37	
7.00	7.22	-17.15	4.74	5.52	0.07	21.30	1.19	0.74	17.80	2.02	1.13	0.54	0.33	
7.22	7.46	-17.14	3.77	5.47	n.a.	14.77	0.65	0.41	13.19	1.23	0.29	0.35	0.23	
7.46	7.70	-17.67	4.37	5.42	0.07	18.69	0.83	0.48	14.68	1.77	0.56	0.40	0.27	
7.70	7.90	-16.99	4.62	5.34	0.07	21.13	1.23	0.43	17.02	3.64	0.59	0.34	0.23	
7.90	8.09	-16.70	3.94	4.70	0.07	18.47	0.85	0.38	15.55	2.95	0.45	0.35	0.34	
8.09	8.29	-17.10	3.77	4.56	n.a.	15.54	0.54	0.37	13.55	2.29	0.43	0.33	0.21	
8.29	8.49	-17.09	3.02	5.61	n.a.	11.63	0.58	0.39	10.60	1.28	0.28	0.30	0.20	
8.49	8.68	-17.02	3.99	5.37	n.a.	14.52	1.20	1.92	15.02	1.19	0.49	1.04	0.41	
8.68	8.87	-17.69	5.20	5.31	n.a.	23.36	1.50	1.44	21.16	1.94	0.58	0.89	0.38	0.015 lack of bottom
8.87	9.12	-15.97	4.87	5.01	n.a.	20.21	0.84	1.11	18.96	1.72	0.50	0.65	0.32	
9.12	9.37	-14.89	4.65	4.82	n.a.	14.77	1.34	2.62	12.02	2.28	0.79	1.48	0.63	
9.37	9.57	-15.64	3.02	4.80	n.a.	7.03	0.50	0.71	6.82	1.17	0.23	0.43	0.24	
9.57	9.77	-15.47	4.98	4.77	0.08	20.29	1.53	1.45	16.83	1.32	0.50	0.99	0.44	
9.77	10.02	-17.47	6.09	4.55	0.07	8.03	0.71	0.70	6.72	1.37	0.38	0.36	0.27	
10.02	10.27		4.39	5.33										
10.27	10.50	-16.70	3.99	5.41	0.07	10.25	0.88	1.29	8.49	1.50	0.45	0.78	0.31	
10.50	10.73	-17.02	2.73	4.71	n.a.	7.87	0.74	0.58	7.04	0.77	0.24	0.38	0.23	
10.73	10.97	-17.12	3.33	4.51	n.a.	9.26	0.91	1.25	7.89	1.74	0.48	0.68	0.35	
10.97	11.22	-16.22	3.14	4.88	n.a.	9.34	0.50	0.52	7.27	1.60	0.41	0.36	0.24	
11.22	11.42	-17.80	3.71	4.53	0.07	10.43	1.00	0.71	8.61	1.34	0.86	0.41	0.27	
11.42	11.62	-17.39	4.31	5.19	0.08	12.42	1.15	1.67	10.02	0.99	0.35	0.89	0.35	
11.62	11.82	-17.47	5.25	4.85	0.11	17.20	1.69	2.30	15.00	1.62	0.60	1.14	0.53	
11.82	12.02	-17.85	3.77	4.75	0.07	12.25	1.10	1.34	9.96	1.65	0.43	0.63	0.29	
12.02	12.28	-16.39	2.80	4.71	0.07	12.41	1.42	1.51	10.31	1.52	0.43	0.81	0.49	
12.28	12.55	-17.46	5.10	4.43	0.09	16.29	1.58	2.13	12.48	2.47	1.03	0.88	0.52	
12.55	12.78	-17.82	9.10	4.24	0.16	25.63	2.85	4.97	20.06	2.09	1.62	1.80	1.11	
12.78	13.00	-17.58	6.86	4.68	0.15	18.71	2.32	3.80	15.51	1.68	0.66	1.61	0.72	
13.00	13.17	-17.70	3.23	4.75	0.09	6.74	0.55	1.46	6.01	1.66	0.39	0.65	0.27	
13.17	13.34	-16.89	4.69	4.46	0.10	13.04	1.37	2.09	10.35	1.26	0.41	0.96	0.47	
13.34	13.58	-16.93	2.78	4.47	0.08	6.79	0.48	0.63	5.86	1.04	0.29	0.35	0.22	
13.58	13.83	-18.17	3.57	5.13	0.10	11.80	0.87	0.82	9.29	2.49	0.35	0.41	0.25	
13.83	14.08	-17.74	2.85	5.34	n.a.	5.69	0.38	0.44	3.75	1.97	0.23	0.28	0.21	
14.08	14.33	-15.79	3.53	5.33	n.a.	9.17	0.70	0.60	8.22	2.44	2.31	0.32	0.34	
14.33	14.55	-15.84	3.79	5.45	0.04	11.44	1.33	2.69	11.06	1.53	0.46	1.21	0.47	
14.55	14.76	-16.80	9.74	5.05	0.11	28.15	2.96	7.95	23.72	2.09	0.73	3.29	1.30	
14.76	15.02	-15.89	2.99	5.50	n.a.	8.16	0.68	0.77	7.11	1.06	0.48	0.39	0.27	
15.02	15.28	-16.19	6.93	5.18	0.10	11.33	0.58	0.58	5.76	1.09	0.28	0.39	0.22	
15.28	15.54	-16.97	5.21	5.24	0.11	19.18	1.37	2.26	16.75	1.49	0.71	1.24	0.46	
15.54	15.80	-17.29	3.10	5.73	0.01	9.45	0.87	1.03	8.08	1.61	0.33	0.60	0.28	
15.80	16.06	-17.33	5.94	5.07	0.12	18.81	2.03	1.94	13.39	2.50	0.60	0.81	0.38	
16.06	16.32	-16.58	4.09	5.28	n.a.	11.79	1.54	1.78	10.73	2.11	0.67	0.52	0.34	
16.32	16.49	-15.73	4.37	5.32	n.a.	16.37	3.04	1.24	14.63	2.69	0.58	0.45	0.33	
16.49	16.66	-15.06	4.31	5.40	n.a.	19.40	1.62	1.11	17.87	2.92	0.42	0.56	0.26	

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl^- $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
16.66	16.87	-16.89	8.10	4.98	0.11	27.60	3.20	2.92	19.10	1.86	1.96	1.34	0.60	
16.87	17.08	-16.68	9.07	5.12	0.10	42.29	2.97	3.31	22.13	3.19	0.90	1.46	0.63	contamination?
17.08	17.25	-16.07	4.52	5.23	0.15	9.20	1.94	7.01	13.17	1.35	0.46	2.55	0.57	
17.25	17.43	-17.08	3.33	5.26	0.11	10.16	0.70	4.04	11.41	1.96	0.28	1.31	0.33	
17.43	17.61	-17.48	9.09	4.91	n.a.	27.58	3.61	3.80	19.74	3.46	1.02	1.00	0.57	
17.61	17.79	-16.82	2.89	5.36	n.a.	9.12	0.37	1.68	9.53	1.15	0.34	0.58	0.26	
17.79	18.00	-17.98	27.40	4.46	n.a.	75.16	8.41	22.34	60.54	6.05	1.95	7.16	3.83	
18.00	18.20	-16.82	4.89	5.06	n.a.	11.21	1.44	4.56	10.80	1.08	0.49	1.27	0.53	
18.20	18.43	-16.82	4.66	5.23	0.11	12.63	1.64	2.90	12.95	1.22	0.51	1.02	0.46	
18.43	18.66	-16.43	6.20	5.10	0.01	22.64	1.80	3.79	20.04	2.23	0.58	1.48	0.57	
18.66	18.88	-18.05	13.63	4.74	0.01	49.34	3.08	5.76	35.43	3.19	0.83	2.68	1.02	
18.88	19.10	-17.55	10.92	4.82	0.01	43.19	3.30	4.71	33.45	2.26	0.69	2.05	1.08	
19.10	19.33	-17.17	9.99	4.91	0.02	42.33	2.28	3.97	35.12	2.25	0.73	1.95	0.61	
19.33	19.57	-17.11	4.73	5.22	n.a.	16.39	2.13	3.25	16.41	1.95	0.46	1.13	0.56	
19.57	19.73	-19.05	12.36	4.74	n.a.	38.60	3.42	7.09	25.82	3.78	1.05	2.45	1.06	
19.73	19.90	-17.22	2.64	5.26	n.a.	3.87	0.42	2.88	4.69	1.90	0.28	0.78	0.29	
19.90	20.09	-16.46	5.93	5.38	0.01	21.29	1.40	4.08	18.15	1.34	0.52	2.07	0.56	
20.09	20.28	-16.66	4.43	5.34	0.01	14.20	0.92	3.09	11.23	1.48	0.43	1.77	0.51	
20.28	20.51	-17.37	5.64	5.29	0.11	19.34	0.85	1.83	16.03	1.52	0.58	1.24	0.51	
20.51	20.75	-17.60	3.48	5.29	n.a.	12.26	0.58	1.10	8.97	2.54	0.48	0.74	0.30	
20.75	20.93	-18.93	2.95	5.73	n.a.	9.67	0.66	1.14	6.41	1.55	0.37	0.72	0.30	
20.93	21.11	-17.73	2.77	5.27	0.01	8.32	0.41	0.86	6.51	1.29	0.25	0.55	0.00	
21.11	21.33	-16.78	5.47	5.10	0.01	20.17	0.97	1.44	14.68	1.78	0.43	0.76	0.34	
21.33	21.54	-17.67	8.03	4.93	0.11	28.55	2.03	3.90	21.31	1.60	0.62	1.61	0.62	
21.54	21.76	-18.32	3.77	5.33	0.01	13.71	0.85	1.42	10.56	1.91	0.60	0.66	0.28	
21.76	21.99	-17.36	5.28	5.11	0.02	18.49	1.39	1.69	14.95	0.96	0.34	0.79	0.33	
21.99	22.21	-17.78	5.17	5.11	0.01	18.20	1.29	1.59	13.72	1.63	0.52	0.75	0.36	
22.21	22.44	-17.21	5.51	5.16	0.01	20.64	1.41	1.77	15.37	1.92	0.41	0.84	0.39	
22.44	22.67	-16.33	5.22	5.19	0.12	14.39	1.41	2.67	11.38	1.58	0.41	1.16	0.50	
22.67	22.91	-14.38	2.83	5.56	0.04	6.28	0.41	2.23	6.54	1.24	0.31	0.91	0.38	
22.91	23.10	-14.85	3.85	5.65	0.11	9.90	0.67	3.22	10.26	1.65	0.50	1.27	0.59	
23.10	23.30	-15.17	3.92	5.28	0.11	11.69	0.78	2.68	11.35	1.49	0.68	1.00	0.56	
23.30	23.52	-16.15	4.61	5.35	0.09	14.55	0.68	1.68	12.27	1.37	0.46	0.65	0.33	
23.52	23.74	-17.16	5.15	5.27	0.11	12.28	0.76	2.54	11.39	1.82	0.71	1.08	0.73	
23.74	23.95	-16.83	6.46	5.21	0.13	19.53	2.49	5.38	20.00	1.49	0.95	1.70	1.65	
23.95	24.16	-17.28	8.64	5.08	0.17	33.70	2.45	6.53	30.46	1.69	0.95	2.93	1.27	
24.16	24.39	-16.27	7.99	5.09	0.16	21.71	2.06	9.27	22.90	1.71	0.97	4.34	1.05	
24.39	24.62	-15.17	6.58	5.24	0.09	17.06	0.96	3.02	15.67	1.41	0.46	1.38	0.45	
24.62	24.86	-13.97	6.06	5.23	0.12	21.26	1.04	2.82	19.54	1.26	0.63	1.46	0.48	
24.86	25.10	-16.13	11.65	4.94	0.16	38.20	3.03	10.54	32.81	1.61	1.19	5.47	2.15	
25.10	25.32	-15.42	4.88	5.29	0.10	15.08	0.80	3.53	15.69	1.11	0.49	1.45	0.42	
25.32	25.54	-15.28	7.78	5.45	n.a.	3.03	0.18	0.34	1.78	0.64	0.13	0.27	0.19	
25.54	25.77	-16.91	7.12	5.14	0.12	25.11	1.46	5.57	23.00	1.33	0.73	2.71	0.82	
25.77	26.00	-17.61	8.12	5.07	0.11	34.36	1.58	3.69	28.20	1.70	0.65	1.87	0.68	
26.00	26.21	-16.66	5.63	5.22	0.11	23.08	1.09	2.57	20.99	1.27	0.70	1.35	0.47	
26.21	26.42	-17.00	5.97	5.27	0.15	19.35	1.44	2.74	17.72	1.44	0.68	1.41	0.52	
26.42	26.64	-16.35	7.33	5.06	0.13	23.80	1.79	3.12	18.58	1.99	0.63	1.52	0.66	
26.64	26.85	-16.26	5.67	5.15	0.13	18.99	1.23	2.57	16.05	1.35	0.52	1.39	0.59	
26.85	27.05	-16.11	5.54	5.24	0.11	23.33	0.91	1.44	19.73	1.21	0.49	0.73	0.32	
27.05	27.25	-16.75	7.46	5.47	0.12	35.26	1.34	2.07	31.48	2.27	0.95	1.08	0.55	
27.25	27.48	-14.69	6.38	5.21	0.12	27.80	1.09	2.67	25.28	1.67	0.73	1.52	0.92	
27.48	27.70	-15.09	4.41	5.38	0.14	10.77	1.00	2.70	10.79	1.16	0.54	1.53	0.59	
27.70	27.94	-14.76	4.36	5.35	0.17	15.14	0.29	2.71	15.65	0.88	0.38	1.73	0.50	
27.94	28.17	-14.91	5.37	5.32	0.12	21.70	0.76	3.20	21.05	1.45	0.56	2.04	0.59	
28.17	28.39	-15.27	6.94	5.29	0.13	28.62	0.98	3.21	26.77	1.81	0.84	1.78	0.62	
28.39	28.60	-16.23	8.53	5.29	0.16	28.51	2.30	6.07	24.57	1.87	0.81	3.19	1.04	
28.60	28.78	-16.34	5.69	5.25	0.12	21.67	1.35	3.53	21.02	1.55	0.60	1.79	0.60	
28.78	28.96	-17.00	13.90	4.80	0.15	55.37	2.66	5.23	42.31	2.43	0.98	2.61	0.96	
28.96	29.21	-16.18	5.51	5.15	0.10	23.80	0.63	1.44	19.29	1.38	0.59	0.79	0.35	
29.21	29.46	-16.56	4.35	5.27	0.11	17.97	0.41	0.57	15.40	1.13	0.47	0.47	0.25	
29.46	29.71	-16.23	4.49	5.34	0.11	19.45	0.43	1.29	17.90	1.69	0.46	0.95	0.43	
29.71	29.96	-15.72	5.34	5.28	0.12	19.47	0.93	2.74	18.61	1.35	0.73	1.56	0.57	
29.96	30.20	-15.64	4.40	5.41	0.11	16.99	0.41	1.28	15.91	1.08	0.35	0.83	0.26	
30.20	30.44	-16.04	6.23	5.26	0.11	25.04	1.12	4.54	23.70	1.09	0.73	3.01	0.69	
30.44	30.65	-16.61	8.89	5.24	0.12	38.37	1.01	2.76	30.82	1.25	0.93	1.91	0.78	
30.65	30.86	-17.37	4.82	5.39	0.11	16.77	0.53	1.06	11.98	0.97	0.38	0.78	0.33	
30.86	31.07	-17.31	9.03	5.43	0.13	42.44	1.23	2.97	37.89	1.78	1.05	2.01	0.80	
31.07	31.29	-17.31	9.02	5.28	0.12	40.48	1.07	2.11	34.93	1.64	0.75	1.59	0.57	
31.29	31.49	-19.31	7.12	5.18	0.11	34.46	1.01	2.79	29.46	0.98	0.68	2.01	0.72	

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl^- $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
31.49	31.70	-17.60	6.80	5.39	0.12	22.48	0.61	1.59	19.02	1.58	0.52	1.25	0.42	
31.70	31.93	-16.79	4.87	5.53	0.11	23.72	0.39	0.85	20.78	1.43	0.34	0.66	0.28	
31.93	32.15	-16.67	6.15	5.46	0.12	31.12	0.44	0.93	27.36	1.63	0.43	0.69	0.39	
32.15	32.35	-16.47	6.01	5.38	0.11	24.68	0.32	0.58	21.14	1.71	0.34	0.51	0.32	
32.35	32.55	-17.05	6.06	5.47	0.11	31.98	0.43	0.87	29.06	1.91	0.40	0.67	0.30	
32.55	32.80	-17.31	5.91	5.51	0.11	29.55	0.48	0.98	26.17	1.48	0.48	0.75	0.34	
32.80	33.04	-16.98	5.44	5.51	0.12	26.61	0.51	0.95	23.59	1.18	0.53	0.67	0.39	
33.04	33.25	-16.77	4.54	5.26	0.14	20.53	0.47	1.98	18.42	0.93	0.45	1.53	0.39	
33.25	33.46	-15.52	9.41	5.20	0.06	38.62	2.41	11.77	38.17	1.32	1.57	8.15	2.47	
33.46	33.69	-16.59	10.03	5.47	0.13	46.58	2.16	6.11	43.47	0.97	1.89	7.04	1.85	
33.69	33.91		5.20	5.48										lack of bottom
33.91	34.13	-16.20	4.48	5.49	0.12	16.67	0.72	1.65	14.78	0.95	0.58	1.20	0.46	
34.13	34.35	-16.44	9.82	5.38	0.17	45.82	1.88	6.94	40.67	1.18	1.67	5.60	1.83	
34.35	34.57	-16.99	5.77	5.46	0.01	21.18	0.52	1.70	18.67	1.03	0.59	1.19	0.41	
34.57	34.79	-16.57	7.73	5.42	0.02	38.27	1.08	3.16	33.30	1.48	1.02	2.10	0.94	
34.79	35.05	-16.80	9.27	5.16	0.09	49.12	1.19	4.59	44.25	1.82	1.27	3.40	1.18	
35.05	35.32	-16.54	7.42	5.25	0.10	34.24	1.11	5.55	31.11	1.30	0.98	3.56	1.74	
35.32	35.56	-16.43	6.17	5.33	n.a.	21.92	0.59	1.82	23.37	1.19	0.86	4.71	1.41	
35.56	35.80	-16.99	5.48	5.35	0.01	26.17	0.43	1.13	22.56	1.50	0.60	1.21	0.46	
35.80	36.05	-17.10	3.14	5.38	0.11	9.44	0.44	1.29	7.65	1.16	0.33	0.94	0.40	
36.05	36.30	-16.19	4.46	5.43	0.01	17.44	0.34	1.36	14.22	1.29	1.26	1.34	0.45	
36.30	36.56	-16.29	4.62	5.63	n.a.	20.87	0.52	1.48	19.00	1.42	0.51	0.92	0.65	
36.56	36.82	-15.54	3.09	5.39	0.01	12.31	0.39	0.77	10.87	1.05	0.46	0.73	0.32	
36.82	37.08	-15.04	3.85	5.54	n.a.	14.59	0.48	0.64	13.15	1.51	0.33	0.48	0.26	
37.08	37.34	-14.91	5.53	5.56	n.a.	27.52	0.65	1.25	23.88	2.40	0.63	0.96	0.44	
37.34	37.57	-16.36	6.14	5.52	0.03	29.49	0.71	1.09	25.22	3.69	0.70	1.02	0.41	
37.57	37.80	-15.43	3.23	5.43	n.a.	14.54	0.46	0.38	12.82	1.45	0.49	0.48	0.27	
37.80	38.01	-15.28	2.85	5.39	n.a.	10.80	0.38	0.73	9.23	1.10	0.36	0.61	0.30	
38.01	38.22	-15.77	3.70	5.46	0.01	15.04	0.45	1.03	13.28	0.88	0.42	0.84	0.35	
38.22	38.46	-16.31	3.50	5.40	n.a.	10.13	0.34	0.58	8.35	1.26	0.28	0.49	0.25	
38.46	38.70	-15.83	2.68	5.47	n.a.	10.91	0.28	0.70	8.35	2.07	0.37	0.62	0.29	
38.70	38.89	-15.98	2.87	5.36	n.a.	10.78	0.25	0.65	7.73	1.41	0.28	0.63	0.00	
38.89	39.07	-15.90	3.06	5.32	n.a.	11.58	0.22	0.23	9.35	1.14	0.28	0.44	0.25	
39.07	39.27	-15.71	2.78	5.36	n.a.	12.14	0.20	0.24	10.17	1.18	0.25	0.43	0.25	
39.27	39.47	-12.63	8.99	5.33	n.a.	43.66	0.62	1.75	39.40	2.53	0.87	1.67	0.52	
39.47	39.70	-15.29	6.42	5.32	n.a.	33.59	0.82	3.43	29.98	1.79	1.09	2.57	1.14	
39.70	39.92	-14.63	4.29	5.41	n.a.	20.83	0.38	0.58	18.38	1.12	0.50	0.60	0.29	
39.92	40.13	-15.28	3.81	5.52	n.a.	19.17	0.33	0.58	16.82	1.23	0.49	0.64	0.28	
40.13	40.33	-15.10	4.68	5.41	0.01	24.55	0.62	2.24	21.43	1.80	0.74	1.96	0.62	
40.33	40.54	-15.87	3.92	5.41	n.a.	15.46	0.39	0.79	13.13	0.90	0.34	0.75	0.30	
40.54	40.75	-15.57	3.26	5.51	n.a.	14.21	0.22	0.21	12.90	1.26	0.36	0.44	0.34	
40.75	40.96	-13.92	2.90	5.66	n.a.	12.30	0.21	0.33	11.19	0.80	0.32	0.46	0.27	
40.96	41.17	-15.18	3.72	5.37	n.a.	19.12	0.27	0.42	17.52	0.97	0.41	0.56	0.27	
41.17	41.39	-15.81	4.05	5.21	n.a.	21.55	0.40	0.52	20.08	1.02	0.52	0.56	0.29	
41.39	41.60	-16.38	3.26	5.39										
41.60	41.80	-15.22	5.06	5.45	0.01	9.68	0.39	0.67	8.26	1.03	0.40	0.65	0.42	
41.80	42.00	-16.68	3.81	5.32	0.01	23.84	0.60	1.87	21.08	1.23	0.58	1.66	0.53	
42.00	42.20	-16.45	3.48	5.67	0.01	19.41	0.41	1.78	13.75	1.06	4.17	1.22	0.45	
42.20	42.39	-15.40	7.13	5.27	n.a.	38.66	0.99	2.87	36.35	1.46	1.00	2.35	0.89	
42.39	42.62	-15.35	3.89	5.41	n.a.	15.12	0.43	0.58	13.38	1.06	0.36	0.47	0.22	
42.62	42.85	-15.17	4.61	5.33	n.a.	22.06	0.54	1.80	19.23	1.38	0.62	1.43	0.45	
42.85	43.06	-15.92	6.80	5.58	n.a.	39.51	0.82	1.95	37.58	1.83	1.19	1.64	0.58	
43.06	43.27	-15.78	6.12	5.35	n.a.	33.93	0.64	1.18	32.19	1.50	0.87	1.06	0.41	
43.27	43.48	-16.26	4.52	5.57	n.a.	24.00	0.38	1.12	21.81	1.70	0.49	1.00	0.32	
43.48	43.69	-16.14	3.91	5.44	n.a.	19.44	0.24	0.32	17.62	1.33	0.48	0.53	0.24	
43.69	43.90	-16.42	3.86	5.65	n.a.	20.76	0.27	0.62	18.92	1.36	0.33	0.68	0.25	
43.90	44.10	-16.19	6.15	5.31	0.20	32.34	1.20	3.19	27.88	1.82	0.90	2.13	0.94	
44.10	44.31	-17.22	10.64	5.28	n.a.	57.88	1.38	4.82	50.25	2.35	1.39	4.01	1.51	
44.31	44.51	-17.31	7.20	5.32	n.a.	40.30	0.96	3.35	37.42	1.40	0.86	2.80	0.88	
44.51	44.72	-17.66	5.62	5.37	n.a.	28.32	0.58	1.02	25.11	1.22	0.59	0.91	0.36	
44.72	44.93	-16.84	7.49	5.65	n.a.	43.76	1.04	3.78	40.96	1.82	1.16	3.00	1.19	
44.93	45.12	-16.60	7.56	5.57	0.15	41.77	1.10	4.60	36.77	1.45	0.93	4.74	1.05	
45.12	45.30	-16.80	11.27	5.58	0.20	67.98	1.49	6.59	61.17	1.98	1.94	6.12	2.35	
45.30	45.52	-16.93	11.56	5.53	0.18	71.03	1.36	6.04	63.74	2.30	1.64	5.07	2.64	
45.52	45.73	-17.15	6.41	5.56	0.15	32.54	0.94	3.84	28.50	1.38	0.92	3.51	1.05	
45.73	45.90	-16.23	5.07	5.62	0.13	24.76	0.57	2.93	21.82	1.45	0.56	2.36	0.61	
45.90	46.07	-16.30	3.02	5.66	n.a.	12.98	0.28	0.73	10.92	1.15	0.32	0.70	0.27	
46.07	46.24	-16.42	4.58	5.70	0.10	24.23	0.50	1.38	22.43	1.44	0.56	1.22	0.38	
46.24	46.41	-15.99	7.71	5.64	0.13	46.26	0.80	2.82	42.96	1.81	0.89	2.28	1.02	

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S}/\text{cm}$	pH	MSA $\mu\text{mol}/\text{L}$	Cl ⁻ $\mu\text{mol}/\text{L}$	NO ₃ ⁻ $\mu\text{mol}/\text{L}$	SO ₄ ²⁻ $\mu\text{mol}/\text{L}$	Na ⁺ $\mu\text{mol}/\text{L}$	NH ₄ ⁺ $\mu\text{mol}/\text{L}$	K ⁺ $\mu\text{mol}/\text{L}$	Mg ²⁺ $\mu\text{mol}/\text{L}$	Ca ²⁺ $\mu\text{mol}/\text{L}$	Comments
46.41	46.59	-16.31	7.02	5.22	0.18	31.34	1.11	3.60	24.38	1.29	0.83	3.60	0.91	
46.59	46.76	-17.06	7.88	5.53	0.04	45.60	1.11	3.21	40.12	1.89	1.24	2.58	1.26	
46.76	46.93	-16.49	5.93	5.44	0.14	25.96	1.14	2.48	20.45	2.30	0.67	1.79	0.65	
46.93	47.09	-16.40	3.08	5.64	0.17	8.91	0.58	2.74	7.71	0.75	0.28	2.04	0.55	
47.09	47.27	-16.38	5.71	5.44	0.14	26.68	1.10	2.80	22.64	1.51	0.79	2.41	0.91	
47.27	47.45	-15.58	4.52	5.70	0.10	23.40	0.35	1.72	20.45	1.34	0.56	1.65	0.52	
47.45	47.63	-16.00	2.96	5.64	n.a.	13.64	0.24	0.57	11.33	1.10	0.49	0.68	0.27	
47.63	47.82	-17.63	4.71	5.67	0.14	24.18	0.68	2.10	22.16	1.39	0.54	1.83	0.65	
47.82	48.00	-16.21	3.28	5.79	0.09	14.57	0.28	1.28	12.51	1.04	0.34	1.21	0.42	
48.00	48.19	-15.98	5.93	5.68	0.09	10.71	0.36	0.94	8.67	0.95	0.31	0.91	0.30	
48.19	48.36	-17.66	4.51	5.37	0.14	20.96	0.68	1.45	18.41	1.61	0.63	1.31	0.42	
48.36	48.54	-18.12	5.13	5.66	0.11	28.77	0.60	1.65	25.72	1.61	0.70	1.63	0.53	
48.54	48.71	-19.69	5.40	5.55	0.14	29.60	0.81	2.61	23.81	1.87	0.79	2.26	0.76	
48.71	48.89	-18.29	6.18	5.50	0.13	31.92	0.77	2.76	27.34	1.54	0.71	2.42	0.83	
48.89	49.09	-17.29	6.66	5.52	0.14	34.61	1.24	2.91	31.48	1.68	0.93	2.30	0.92	1cm lack of top
49.09	49.28	-17.56	3.79	5.59	0.17	13.42	0.99	1.91	11.92	1.67	0.54	1.19	0.59	
49.28	49.46	-17.56	2.97	5.61	0.13	8.10	0.84	1.39	6.91	1.35	0.27	0.77	0.38	
49.46	49.65	-17.92	1.88	5.76	0.08	5.46	0.22	0.34	4.73	0.97	0.18	0.43	0.23	
49.65	49.83	-18.01	2.09	5.67	0.08	6.13	0.52	0.62	5.69	0.93	0.21	0.47	0.24	
49.83	50.02	-18.59	2.54	5.67	0.05	8.97	0.58	0.51	7.45	1.35	0.26	0.47	0.24	
50.02	50.24	-18.12	7.05	5.31	0.19	34.64	0.86	3.00	29.92	1.43	0.87	2.52	0.98	
50.24	50.46	-20.51	3.54	5.48	0.03	11.39	0.93	1.36	8.84	1.47	0.29	0.76	0.38	
50.46	50.62	-19.21	3.18	5.49	0.09	10.07	0.69	1.55	8.32	1.30	0.30	0.82	0.36	
50.62	50.78	-18.85	4.81	5.35	0.19	13.23	1.56	2.12	11.43	2.67	0.63	1.10	0.69	
50.78	51.03	-18.23	5.04	5.47	0.23	19.48	1.34	3.61	18.75	1.13	0.50	2.09	1.00	
51.03	51.28	-17.81	3.03	5.72	0.07	11.54	0.53	0.73	9.16	1.16	0.34	0.67	0.29	
51.28	51.53	-20.52	4.93	5.33	0.09	20.03	1.00	1.35	16.14	1.93	0.44	0.87	0.38	
51.53	51.78	-19.20	3.98	5.52	0.11	13.28	0.83	2.52	11.72	1.25	0.43	1.29	0.51	
51.78	52.03	-20.05	5.87	5.33	0.11	19.63	0.75	3.11	15.75	2.04	0.54	1.86	0.66	
52.03	52.28	-19.76	6.96	5.34	0.18	30.66	1.09	4.75	27.63	1.45	0.80	3.13	1.21	
52.28	52.50	-19.51	12.81	5.09	0.27	66.10	1.80	5.66	55.64	2.16	1.68	5.85	2.60	
52.50	52.73	-18.79	7.99	5.34	0.36	38.24	1.38	6.59	32.40	2.55	0.92	5.43	2.17	
52.73	52.97	-17.79	8.45	5.34	0.23	41.74	1.32	5.44	38.54	1.99	1.13	4.39	1.60	
52.97	53.21	-19.37	8.92	5.32	0.40	41.65	1.55	6.72	35.86	1.93	1.15	5.39	2.09	
53.21	53.39	-20.33	4.46	5.29	0.17	13.79	1.06	2.45	12.31	1.57	0.47	1.55	0.64	
53.39	53.58	-18.47	4.18	5.46	0.20	14.92	0.94	3.23	13.74	0.98	0.45	2.17	0.84	
53.58	53.81	-19.46	6.39	5.22	0.17	17.90	1.44	2.86	15.06	3.41	0.69	2.03	1.13	
53.81	54.05	-19.38	2.80	5.62	0.07	9.24	0.44	0.84	7.95	0.94	0.27	0.74	0.38	
54.05	54.29	-19.80	3.38	5.36	0.07	14.26	0.44	0.99	11.95	1.02	0.39	1.04	0.38	
54.29	54.54	-17.84	2.33	5.42	0.07	6.75	0.23	0.58	5.86	0.87	0.21	0.57	0.25	
54.54	54.78	-18.70	3.39	5.42	0.11	12.22	0.28	0.58	11.05	0.84	0.34	0.44	0.27	
54.78	55.03	-17.57	3.23	5.28	0.03	13.04	0.56	0.69	10.34	1.03	0.38	0.63	0.28	
55.03	55.25	-18.39	5.23	5.32	0.14	23.34	1.06	2.41	20.26	1.30	0.69	1.98	1.38	0.5cm lack of bottom
55.25	55.46	-18.44	5.21	5.40	0.13	20.01	1.02	2.43	15.89	1.03	0.54	2.12	0.69	0.5cm lack of top
55.46	55.68	-18.80	7.49	5.25	0.15	40.04	1.09	3.08	33.86	1.57	1.14	2.75	1.21	
55.68	55.89	-19.31	6.20	5.34	0.11	34.92	0.72	3.05	30.03	1.15	0.86	2.04	1.63	
55.89	56.14	-20.03	4.06	5.42	0.14	17.18	0.64	2.31	14.73	1.08	0.54	2.16	0.70	
56.14	56.39	-18.79	4.50	5.43	0.07	23.96	0.53	1.13	21.70	1.50	0.63	1.07	0.46	
56.39	56.61	-18.48	4.06	5.39	0.01	22.09	0.28	0.58	20.36	1.00	0.54	0.66	0.34	
56.61	56.83	-18.28	5.98	5.25	0.13	27.65	1.12	3.71	23.07	1.31	0.69	3.13	1.36	
56.83	57.08	-18.59	8.80	5.22	0.35	39.86	1.77	4.87	33.49	1.54	1.04	4.68	2.23	
57.08	57.33	-17.79	5.64	5.35	0.11	29.90	1.01	2.77	26.90	1.23	0.79	2.42	1.03	
57.33	57.58	-16.22	2.43	5.45	0.01	9.11	0.21	0.55	8.08	0.70	0.30	0.60	0.25	
57.58	57.82	-16.93	1.94	5.43	0.01	5.89	0.15	0.33	5.73	0.49	0.23	0.47	0.24	
57.82	58.07	-15.77	3.61	5.34	0.02	16.75	0.54	0.86	14.76	1.55	0.41	0.89	0.35	
58.07	58.32	-16.12	3.18	5.45	0.02	14.57	0.49	0.92	13.58	1.00	0.41	0.83	0.30	
58.32	58.57	-14.55	2.15	5.31	0.01	6.40	0.46	0.68	5.19	0.97	0.27	0.63	0.26	
58.57	58.82	-14.30	4.76	5.38	0.08	24.76	0.61	1.79	21.25	1.06	0.63	1.78	0.76	
58.82	59.06	-17.05	3.37	5.39	0.03	13.96	0.37	1.30	12.36	0.80	0.45	1.21	0.41	
59.06	59.30	-17.52	5.22	5.32	0.14	24.70	0.83	2.98	19.95	1.10	0.58	2.60	0.84	
59.30	59.51	-18.97	7.08	5.26	0.16	32.00	1.46	2.16	26.59	2.37	1.17	2.16	0.89	
59.51	59.72	-20.06	3.92	5.65	0.04	18.68	0.46	1.20	15.90	1.05	0.47	1.17	0.39	
59.72	59.95	-20.03	3.60	5.38	0.15	12.87	0.66	2.76	10.50	1.03	0.37	2.52	0.71	
59.95	60.18	-18.54	6.39	5.34	0.11	37.50	1.09	2.41	32.95	1.36	1.01	2.30	0.97	
60.18	60.40	-18.95	5.93	5.60	0.14	30.85	1.36	3.14	25.74	1.32	0.80	2.99	1.21	
60.40	60.63	-17.25	4.53	5.70	0.02	23.92	0.75	1.51	21.31	1.16	0.63	1.31	0.54	
60.63	60.83	-16.82	4.70	5.36	0.05	23.11	0.69	1.78	20.31	0.97	0.61	1.96	0.60	
60.83	61.03	-19.34	6.09	5.48	0.10	25.79	1.11	2.41	22.90	2.06	0.71	2.14	1.00	
61.03	61.22	-19.69	2.88	5.66	0.01	11.35	0.56	0.77	10.04	0.73	0.35	0.85	0.32	

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl^- $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
61.22	61.42	-15.59	6.66	5.60	0.05	39.49	0.95	2.50	33.91	1.67	0.92	2.45	1.02	
61.42	61.63	-19.76	3.98	5.35	0.16	12.19	0.95	1.63	9.07	0.82	0.47	1.84	0.54	
61.63	61.84	-20.35	4.97	5.50	0.04	20.91	0.69	1.01	18.24	1.24	1.04	1.42	0.56	
61.84	62.09	-15.40	3.77	5.55	0.05	12.40	0.39	0.97	10.99	1.00	0.44	1.23	0.31	
62.09	62.34	-15.27	3.37	5.59	0.07	10.60	0.45	1.12	9.89	0.69	0.35	1.18	0.35	
62.34	62.59	-16.35	5.37	5.31	0.09	19.75	0.91	1.76	17.81	2.08	0.76	1.74	0.68	
62.59	62.84	-16.52	2.38	5.76	0.01	9.91	0.21	0.48	7.48	1.04	0.32	0.76	0.25	
62.84	63.01	-17.03	2.33	5.75	n.a.	10.22	0.13	0.20	9.01	1.02	0.29	0.51	0.23	
63.01	63.18	-16.55	2.27	5.41	0.01	8.28	0.19	0.26	6.97	0.58	0.25	0.54	0.24	
63.18	63.41	-18.08	4.72	5.47	0.03	15.17	0.45	0.90	13.51	3.70	0.63	0.86	0.35	
63.41	63.64	-16.55	5.12	5.48	0.05	19.18	0.71	1.34	16.95	3.29	0.77	1.30	0.48	
63.64	63.87	-16.55	5.95	5.34	0.13	21.98	0.75	1.63	18.32	1.94	0.97	1.74	0.61	
63.87	64.10	-17.70	6.19	5.49	0.03	30.05	0.56	0.83	27.67	1.46	0.76	1.22	0.44	
64.10	64.29	-18.96	6.52	5.59	0.08	39.27	1.12	2.62	35.69	12.86	3.01	2.37	1.36	
64.29	64.47	-17.82	11.76	5.53	0.11	59.64	1.25	4.04	53.88	1.93	1.53	4.87	1.92	
64.47	64.68	-16.96	6.97	5.33	0.07	35.17	1.07	1.75	30.68	2.22	1.07	2.14	0.81	
64.68	64.90	-17.23	5.55	5.45	0.14	20.05	1.33	2.46	16.76	1.92	0.63	2.72	0.90	
64.90	65.09	-19.82	3.79	5.37	0.10	9.67	1.05	1.27	7.93	0.82	0.37	1.08	0.45	
65.09	65.28	-19.11	6.02	5.50	0.07	23.11	0.83	1.89	19.25	1.30	0.73	2.14	0.83	
65.28	65.47	-18.07	11.26	5.50	0.18	65.17	1.60	4.51	59.35	2.85	1.72	5.07	2.06	
65.47	65.66	-20.39	5.42	5.41	0.14	18.39	1.18	2.38	15.81	1.54	0.78	1.87	0.95	
65.66	65.90	-20.58	4.73	5.44	0.13	14.64	0.91	1.85	12.46	1.13	0.83	1.43	0.78	
65.90	66.15	-18.06	8.25	5.42	0.13	37.42	1.32	3.62	32.69	1.64	1.04	4.33	1.42	
66.15	66.38	-17.88	3.48	5.33	0.08	9.79	0.82	1.23	7.54	1.54	0.72	0.89	0.48	
66.38	66.61	-18.16	3.03	5.38	0.04	6.28	0.54	0.53	5.53	1.04	0.35	0.47	0.28	
66.61	66.82	-17.79	4.09	5.42	n.a.	3.38	0.20	0.20	2.82	4.31	0.41	0.28	0.23	
66.82	67.03	-20.09	4.95	5.27	0.09	18.21	0.91	1.65	15.23	1.31	0.81	1.47	0.71	
67.03	67.24	-18.49	4.02	5.38	0.04	10.81	0.65	1.09	8.62	2.03	1.77	0.67	1.13	
67.24	67.45	-17.63	6.18	5.19	0.14	29.63	1.35	2.44	25.73	1.59	1.07	2.39	0.97	
67.45	67.68	-19.07	6.15	5.40	0.18	20.78	1.36	2.29	16.69	1.67	0.75	2.10	0.83	
67.68	67.90	-17.89	4.31	5.36	0.19	11.65	0.68	1.56	8.91	1.22	1.18	1.17	0.49	
67.90	68.12	-16.64	4.56	5.37	0.15	13.33	0.71	1.34	10.97	2.13	1.08	0.92	0.47	
68.12	68.34	-17.30	8.29	5.52	0.28	25.46	1.66	3.41	21.80	1.93	0.96	3.12	1.19	
68.34	68.57	-17.27	2.25	5.70	0.02	6.36	0.35	0.69	5.39	0.68	0.23	0.64	0.27	
68.57	68.80	-17.12	1.81	5.78	0.01	6.08	0.11	0.16	5.60	0.39	0.19	0.41	0.24	
68.80	69.03	-17.51	1.56	5.79	n.a.	3.79	0.19	0.21	3.20	0.59	0.18	0.43	0.22	
69.03	69.25	-16.25	2.70	5.80	0.01	13.34	0.25	0.33	11.81	0.68	0.30	0.64	0.35	
69.25	69.48	-16.96	3.85	5.68	0.01	20.18	0.48	0.96	18.43	1.04	0.52	0.96	0.42	
69.48	69.70	-18.52	5.50	5.70	0.03	31.33	0.87	2.19	27.95	1.78	0.77	1.92	0.89	
69.70	69.93	-19.79	5.06	5.71	0.01	31.15	0.47	0.78	28.16	1.78	0.75	0.79	0.43	
69.93	70.15	-21.34	5.09	5.65	0.07	26.07	0.78	2.80	21.27	1.63	0.63	2.64	1.07	
70.15	70.37	-18.51	7.62	5.53	0.26	37.11	1.66	3.89	28.46	2.53	0.99	4.51	1.88	
70.37	70.59	-18.93	5.38	5.55	0.12	24.35	1.17	3.59	19.91	1.45	0.62	3.20	1.25	
70.59	70.81	-17.71	4.83	5.50	0.11	17.88	1.06	2.65	15.01	1.31	0.48	2.48	0.94	
70.81	71.03	-18.33	4.07	5.56	n.a.	19.18	0.44	1.20	16.20	1.04	0.40	1.17	0.45	
71.03	71.23	-19.27	5.08	5.71	0.04	25.49	0.89	2.38	22.06	2.75	0.79	2.47	0.83	
71.23	71.43	-17.36	5.70	5.72	0.03	33.30	0.58	1.83	30.37	1.18	0.71	2.55	0.66	
71.43	71.64	-16.84	12.70	5.70	n.a.	85.49	0.62	3.71	83.69	2.33	2.00	4.71	1.88	
71.64	71.84	-17.60	7.95	5.70	0.04	61.95	1.01	4.09	55.86	2.03	1.75	6.00	1.65	
71.84	72.09	-18.26	6.89	5.69	0.09	38.69	0.90	0.06	33.95	1.10	0.92	4.41	1.63	
72.09	72.34	-18.78	3.47	5.66	0.07	15.68	0.70	1.32	11.71	1.17	0.37	1.92	0.43	
72.34	72.54	-18.41	4.35	5.54	0.13	15.84	1.02	1.62	12.02	1.93	0.49	1.72	0.61	
72.54	72.74	-19.53	2.56	5.72	0.02	10.47	0.37	0.65	8.83	0.61	0.34	0.84	0.37	
72.74	72.99	-19.46	2.84	5.72	0.02	11.74	0.50	0.87	10.23	0.47	0.31	1.21	0.36	
72.99	73.24	-19.27	3.00	5.69	0.04	11.52	0.74	1.12	9.15	1.45	0.62	1.98	0.87	
73.24	73.49	-18.18	2.98	5.71	n.a.	12.37	0.40	0.94	10.70	0.64	0.31	1.13	0.41	
73.49	73.74	-14.09	3.51	5.68	0.05	15.30	0.67	1.46	13.18	1.13	0.40	1.66	0.52	
73.74	73.99	-17.21	4.80	5.78	0.09	22.95	0.89	0.07	20.60	1.06	0.53	2.31	1.02	
73.99	74.23	-17.86	5.20	5.70	0.05	27.27	0.70	1.92	24.91	1.27	0.64	2.33	0.88	
74.23	74.48	-21.17	4.56	5.70	0.03	21.89	0.74	2.41	19.79	1.49	0.51	2.18	0.84	
74.48	74.74	-18.09	5.33	5.67	0.07	28.68	0.77	2.30	25.86	1.09	0.68	2.59	0.97	
74.74	74.97	-16.46	5.28	5.41	0.22	24.55	0.91	2.37	19.48	0.94	0.62	2.78	0.96	
74.97	75.20	-19.10	7.01	5.65	0.13	40.16	0.98	0.09	37.59	1.95	0.99	3.38	1.57	
75.20	75.45	-18.42	4.68	5.61	0.04	24.24	0.60	1.70	21.59	1.22	0.65	2.04	0.74	
75.45	75.70	-19.17	2.93	5.60	0.02	11.83	0.37	0.93	9.62	0.98	0.37	1.11	0.43	
75.70	75.95	-19.20	3.27	5.64	n.a.	11.82	0.24	0.59	13.77	1.63	0.44	0.91	0.36	
75.95	76.20													missing
76.20	76.38	-19.45	5.41	5.57	0.03	29.04	0.75	1.65	27.10	1.29	0.75	1.89	0.66	
76.38	76.56	-20.27	7.53	5.48	0.08	41.19	1.50	0.14	36.98	2.74	1.19	3.41	1.68	

Austfonna in Apr.-Jun., 1999 : Ice Core Data Sheet

Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
76.56	76.77	-20.16	3.66	5.51	n.a.	13.47	1.06	1.72	12.20	1.81	0.35	0.86	0.35	
76.77	76.97	-20.39	3.97	5.62	0.07	16.05	1.01	0.12	13.97	2.51	0.54	1.52	0.74	
76.97	77.19	-23.27	5.20	5.48	0.19	18.27	1.36	2.16	14.61	3.75	0.67	1.75	1.05	
77.19	77.40	-20.59	6.23	5.56	n.a.	27.83	1.62	3.35	24.39	3.93	0.84	3.21	1.49	
77.40	77.61	-16.21	3.90	5.56	0.09	17.08	0.74	1.30	15.30	0.64	0.46	1.30	0.67	
77.61	77.82	-17.23	4.03	5.67	0.02	19.42	0.46	0.10	17.95	0.95	0.66	1.34	0.52	
77.82	78.03	-16.78	3.85	5.69	0.02	19.34	0.32	1.30	17.93	0.81	0.46	1.38	0.54	
78.03	78.25	-17.58	2.94	5.63	0.03	10.30	0.50	0.07	9.21	0.73	0.31	1.10	0.40	
78.25	78.49	-18.09	4.50	5.60	0.07	20.72	0.65	1.71	19.14	0.86	0.53	1.72	0.54	
78.49	78.73	-17.73	4.08	5.63	0.03	20.41	0.42	1.19	18.67	0.82	0.49	1.64	0.47	
78.73	78.94	-17.82	5.56	5.62	0.03	30.75	0.53	1.66	29.12	0.99	0.76	2.02	0.74	
78.94	79.15		5.56	5.62	0.10	27.02	0.47	1.68	21.59	1.60	0.55	1.72	0.68	
79.15	79.34	-18.99	5.19	5.42	0.14	26.30	0.61	1.95	21.58	0.82	0.67	2.42	0.71	
79.34	79.54	-19.23	7.02	5.42	0.15	36.73	0.73	2.24	33.15	1.58	0.98	2.78	0.96	
79.54	79.73	-20.08	3.63	5.44	0.09	8.27	0.53	0.84	6.05	1.19	0.36	1.05	0.43	
79.73	79.92	-19.59	5.67	5.38	0.24	22.66	0.85	2.60	21.18	1.56	1.49	3.05	1.53	
79.92	80.12	-18.74	5.55	5.37	0.16	24.14	0.89	1.47	22.10	1.14	0.52	1.54	0.60	
80.12	80.32	-17.96	4.36	5.34	0.12	19.24	0.68	1.04	16.71	1.22	0.45	1.20	0.56	
80.32	80.52	-16.07	3.96	5.44	0.12	17.12	0.51	1.22	14.91	0.97	0.41	1.51	0.55	
80.52	80.72	-18.78	3.60	5.40	0.11	11.27	0.47	1.04	9.57	1.05	0.44	1.12	0.49	
80.72	80.92	-19.28	4.46	5.39	0.13	17.27	0.69	1.52	14.89	1.04	0.46	1.63	0.63	
80.92	81.12	-18.66	3.12	5.39	0.12	10.30	0.44	0.81	8.30	0.76	0.33	0.92	0.37	
81.12	81.32	-18.85	6.32	5.40	0.17	29.27	0.96	2.22	23.13	1.11	0.77	2.94	1.10	
81.32	81.52	-18.90	3.43	5.42	0.09	11.22	0.38	0.88	8.82	0.69	0.33	1.17	0.41	
81.52	81.73	-19.52	4.11	5.37	0.12	13.63	0.63	1.25	10.76	0.87	0.38	1.61	0.55	
81.73	81.95	-18.42	3.75	5.70	0.12	13.38	0.56	0.76	11.29	1.09	0.40	0.76	0.37	
81.95	82.15	-20.88	2.91	5.55	0.10	5.35	0.58	0.65	4.07	0.96	0.33	0.57	0.37	
82.15	82.35	-24.57	3.60	5.37	0.25	9.41	0.79	0.51	7.88	0.92	0.29	0.56	0.27	
82.35	82.56	-20.77	4.01	5.38	0.17	13.75	1.28	1.32	10.70	1.28	0.41	1.42	0.57	
82.56	82.76	-18.24	5.30	5.40	0.22	23.57	1.12	2.07	19.54	1.43	0.66	2.26	0.95	
82.76	82.97	-19.82	4.39	5.45	0.18	15.35	0.85	1.80	13.34	1.36	0.75	1.65	0.80	
82.97	83.17	-20.97	4.23	5.35	0.19	14.21	1.21	1.66	11.77	1.37	0.44	1.36	0.69	
83.17	83.37	-20.38	6.57	5.53	0.30	29.74	1.81	3.19	24.39	1.77	0.80	3.30	1.46	
83.37	83.57	-20.90	4.10	5.44	0.18	15.83	0.90	1.36	12.30	0.98	0.42	2.36	0.94	
83.57	83.77	-21.03	3.73	5.64	0.17	10.80	0.83	1.69	8.96	1.17	0.37	1.54	0.76	
83.77	83.98	-19.94	3.30	5.52	0.09	11.32	0.24	0.36	10.12	0.79	0.28	0.59	0.29	
83.98	84.20	-22.47	4.13	5.62	0.09	18.22	0.51	1.04	15.61	0.87	0.45	1.24	0.65	
84.20	84.42	-20.87	3.30	5.61	0.10	7.91	1.23	0.93	6.32	1.82	0.57	1.32	0.57	
84.42	84.61	-21.31	3.16	5.54	0.10	9.08	1.51	1.63	7.17	1.77	0.33	1.43	0.50	
84.61	84.80	-20.80	3.46	5.73	0.13	11.47	0.76	1.13	9.89	1.03	0.38	0.95	0.75	
84.80	85.00	-21.63	4.46	5.58	0.11	19.49	0.68	1.41	16.28	1.14	0.60	1.66	0.85	
85.00	85.20	-19.79	7.75	5.45	0.16	41.59	1.01	2.63	34.57	1.51	1.06	4.56	1.81	
85.20	85.43	-19.21	3.46	5.44	0.18	11.31	0.66	1.02	8.85	0.94	0.32	0.82	0.59	
85.43	85.66	-21.99	4.51	5.45	0.15	13.08	0.88	1.36	10.61	1.21	0.47	1.38	0.57	
85.66	85.88	-19.60	6.33	5.60	0.15	32.94	0.85	2.20	28.10	1.07	0.73	3.00	1.08	
85.88	86.10	-18.84	4.49	5.32	0.14	15.94	0.85	1.66	12.30	0.99	0.41	2.45	0.66	
86.10	86.33	-20.75	5.22	5.57	0.10	23.04	0.76	1.81	18.47	1.14	0.60	2.52	0.93	
86.33	86.55	-19.30	4.66	5.79	0.05	25.21	0.47	0.90	21.46	0.63	0.63	2.05	0.55	
86.55	86.76	-19.73	3.83	5.68	0.08	11.12	0.95	1.16	8.84	1.20	0.42	1.42	0.80	
86.76	86.96	-18.26	5.20	5.51	0.07	22.29	0.85	1.77	19.41	0.98	0.51	1.76	0.68	
86.96	87.16	-19.80	4.74	5.33	0.06	19.48	0.47	1.74	16.36	0.52	0.40	1.95	0.52	
87.16	87.35	-22.50	4.56	5.83	0.06	19.96	0.83	2.08	17.67	1.12	0.51	1.22	0.99	
87.35	87.54	-20.13	4.43	5.35	0.10	18.18	1.07	1.29	13.87	1.10	0.74	1.57	0.70	
87.54	87.72	-18.60	3.09	5.39	0.07	7.21	0.59	1.04	6.57	0.89	0.38	0.66	0.47	
87.72	87.95	-19.20	3.59	5.73	0.08	14.11	0.72	1.33	11.94	1.00	0.37	1.35	0.71	
87.95	88.17	-20.87	2.15	5.44	0.00	1.81	0.36	0.21	1.23	0.57	0.18	0.34	0.24	
88.17	88.40	-20.18	2.71	5.57	0.04	6.37	0.34	0.30	5.23	0.69	0.26	0.47	0.28	
88.40	88.62	-18.25	3.44	5.41	0.01	11.45	0.43	0.50	10.89	1.17	0.31	0.83	0.25	
88.62	88.83	-18.09	4.98	5.69	0.04	24.82	0.54	1.54	21.74	1.88	0.59	2.40	0.61	
88.83	89.03	-18.53	6.51	5.73	0.05	37.13	0.54	2.06	35.51	1.71	0.91	2.33	1.18	
89.03	89.23	-18.89	5.51	5.62	0.06	30.43	0.43	0.75	27.12	1.05	0.57	2.15	0.37	
89.23	89.43	-20.33	4.88	5.40	0.08	20.89	0.67	1.38	17.57	1.02	0.48	2.41	0.61	
89.43	89.63	-17.29	3.64	5.39	0.10	7.61	0.91	1.25	5.83	1.59	0.30	1.03	0.35	
89.63	89.83	-18.35	4.53	5.48	0.08	11.71	1.12	1.98	9.46	2.29	0.41	2.01	0.74	
89.83	90.05	-19.21	2.94	5.61	0.02	6.99	0.50	0.60	5.76	1.26	0.30	0.73	0.35	
90.05	90.27	-20.09	3.52	5.68	0.05	11.79	0.76	1.09	9.63	1.80	0.49	1.19	0.52	
90.27	90.51	-20.41	4.40	5.67	0.05	19.68	0.61	1.05	18.34	1.78	0.68	1.21	0.56	
90.51	90.75	-20.77	3.81	5.76	0.08	15.07	0.93	1.87	12.12	1.47	0.46	2.29	0.70	
90.75	90.97	-16.86	6.65	5.64	0.05	36.13	0.72	1.73	34.53	1.40	0.84	2.06	1.04	

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl ⁻ $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
90.97	91.19	-16.64	7.70	5.58	n.a.	41.12	1.06	2.73	37.79	2.38	1.09	3.37	1.83	
91.19	91.39	-17.80	2.56	5.71	0.01	6.64	0.32	0.31	6.32	0.86	0.23	0.48	0.24	
91.39	91.60	-15.43	2.46	5.80	n.a.	9.08	0.12	0.34	8.72	1.10	0.28	0.52	0.25	
91.60	91.81	-16.06	2.90	5.42	n.a.	7.22	0.19	0.22	6.35	0.39	0.22	0.33	0.23	
91.81	92.03	-17.41	2.85	5.68	0.04	9.51	0.18	0.31	8.98	0.83	0.27	0.61	0.37	
92.03	92.23	-19.48	4.54	5.65	n.a.	19.10	0.80	1.93	15.69	1.00	0.58	2.48	0.92	
92.23	92.43	-19.12	4.43	5.61	0.02	18.09	0.59	1.11	16.83	1.45	0.55	1.40	0.58	
92.43	92.65	-18.98	3.01	5.58	0.09	8.90	0.34	0.32	7.67	1.25	0.31	0.59	0.28	
92.65	92.86	-17.88	6.22	5.64	0.13	32.69	0.74	1.80	31.27	1.78	0.73	2.06	0.80	
92.86	93.08	-19.59	3.65	5.73	n.a.	17.68	0.42	0.57	16.37	1.53	0.58	0.76	0.32	
93.08	93.30	-20.91	4.44	5.73	n.a.	23.20	0.54	0.69	21.46	1.50	0.70	0.92	0.55	
93.30	93.50	-20.69	5.91	5.63	0.10	30.49	1.19	2.49	26.97	1.24	0.74	2.63	1.08	
93.50	93.71	-18.92	5.97	5.58	0.05	29.30	1.16	2.27	26.20	1.90	0.76	2.17	0.97	
93.71	93.93	-18.84	8.91	5.68	0.24	50.80	2.16	3.41	40.27	2.52	1.54	3.47	1.60	
93.93	94.15	-20.63	5.03	5.61	0.24	18.51	1.48	4.09	14.73	1.20	0.59	3.70	1.68	
94.15	94.36	-19.80	3.35	5.79	n.a.	14.35	0.47	1.35	13.37	1.12	0.36	1.38	0.79	
94.36	94.58	-18.31	4.28	5.80	0.07	20.49	0.70	1.95	18.30	1.38	0.52	2.34	1.13	
94.58	94.80	-17.54	4.80	5.84	0.08	24.88	0.77	2.33	22.44	1.06	0.61	2.51	0.92	
94.80	95.01	-18.16	4.73	5.71	0.06	21.93	0.83	2.28	18.97	1.36	0.59	2.53	1.32	
95.01	95.23	-20.91	3.43	5.72	0.02	14.36	0.77	0.80	12.62	1.18	0.42	1.22	0.50	
95.23	95.44	-22.13	3.26	5.83	0.03	13.88	0.87	1.13	12.20	1.82	0.45	1.09	0.62	
95.44	95.66	-20.34	2.27	5.75	0.03	5.57	0.50	0.82	4.10	0.89	0.28	0.83	0.34	
95.66	95.87	-19.58	3.79	5.79	0.05	18.40	0.60	1.29	16.22	1.03	0.51	1.46	0.59	
95.87	96.09	-19.88	4.67	5.35	0.15	19.86	1.36	2.09	15.63	0.80	0.52	2.13	1.00	
96.09	96.32	-20.88	2.75	5.76	0.05	10.21	0.70	0.87	8.90	1.00	0.33	0.77	0.38	
96.32	96.53	-18.54	3.25	5.65	0.05	11.12	0.75	1.12	9.13	1.13	0.36	1.15	0.45	
96.53	96.74	-19.18	4.56	5.74	0.07	22.31	0.88	1.72	20.41	1.02	0.52	1.73	0.76	
96.74	96.95	-19.14	4.32	5.71	0.09	19.73	1.06	1.50	17.92	1.25	0.60	1.65	0.88	
96.95	97.16	-20.31	6.02	5.63	0.16	29.27	1.97	2.84	24.85	1.73	1.33	2.82	2.82	
97.16	97.36	-21.84	3.31	5.71	0.11	11.58	0.82	1.60	9.73	0.98	0.45	1.69	2.32	
97.36	97.57	-22.08	7.00	5.60	0.35	33.90	2.06	4.01	29.61	1.56	0.91	3.73	2.11	
97.57	97.80	-19.72	2.11	5.84	0.06	5.69	0.47	0.52	4.30	1.05	0.22	0.71	0.29	
97.80	98.03	-20.10	2.10	5.86	0.02	6.58	0.27	0.42	5.84	1.06	0.26	0.49	0.30	
98.03	98.25	-18.39	4.63	5.36	0.18	12.63	0.83	1.49	9.63	0.96	0.46	1.46	0.65	
98.25	98.46	-19.39	3.81	5.82	0.13	16.75	0.86	1.73	14.61	1.47	0.46	1.69	0.86	
98.46	98.66	-19.17	2.07	5.80	0.04	4.25	0.68	0.71	3.27	1.23	0.24	0.71	0.35	
98.66	98.86	-20.34	3.51	5.78	0.10	13.73	0.88	1.56	12.62	1.42	0.61	1.54	1.61	
98.86	99.08	-19.94	2.38	5.73	0.05	6.70	0.53	0.89	5.34	0.76	0.30	0.91	0.44	
99.08	99.29	-21.60	3.00	5.77	0.10	11.09	0.72	1.19	9.53	1.49	0.35	1.29	0.61	
99.29	99.50	-20.70	2.72	5.74	0.03	9.54	0.72	0.68	8.15	1.24	0.35	0.68	0.35	
99.50	99.72	-20.74	3.46	5.78	0.08	14.44	0.75	1.25	12.49	1.39	0.46	1.19	0.55	
99.72	99.93	-19.21	1.80	5.84	0.01	4.34	0.23	0.21	3.33	0.55	0.19	0.50	0.22	
99.93	100.14	-19.63	3.10	5.74	0.06	14.02	1.95	1.18	11.42	0.86	0.74	1.26	1.53	
100.14	100.35	-19.86	3.86	5.38	0.13	12.50	0.71	1.13	9.32	0.65	0.48	1.32	0.50	
100.35	100.56	-20.61	5.34	5.72	0.06	31.24	0.68	1.57	28.81	1.18	0.74	2.49	0.88	
100.56	100.78	-21.46	3.42	5.76	0.04	14.34	0.64	1.35	10.89	1.15	0.39	2.06	0.57	
100.78	101.00	-18.68	2.55	5.83	0.03	10.09	0.46	0.66	7.52	0.88	0.45	1.10	0.42	
101.00	101.22	-19.38	2.35	5.77	0.04	8.25	0.38	0.62	6.36	1.42	0.32	0.95	0.34	
101.22	101.44	-19.45	3.00	5.74	0.05	12.02	0.60	1.03	10.19	1.22	0.42	1.25	0.66	
101.44	101.64	-19.01	3.02	5.66	0.14	9.58	0.67	1.99	7.27	1.12	0.46	1.72	0.77	
101.64	101.84		4.40	5.52	0.14	20.35	1.05	1.58	16.49	2.08	0.78	2.07	0.68	
101.84	102.05	-19.45	6.21	5.41	0.11	31.86	1.37	2.22	28.47	1.81	1.05	2.39	0.99	
102.05	102.25		4.98	5.54	0.06	27.95	0.69	1.11	25.48	2.19	0.94	1.31	0.55	
102.25	102.51	-20.63	7.45	5.40	0.22	40.38	1.63	3.62	34.72	1.18	1.27	4.29	2.00	
102.51	102.77		7.24	5.49	0.18	39.73	1.71	3.09	36.00	1.86	1.48	3.67	1.67	
102.77	102.94	-19.15	1.79	5.50	0.04	3.48	0.60	0.22	3.10	0.52	0.27	0.36	0.23	
102.94	103.11		2.07	5.53	0.07	5.85	0.28	0.48	5.00	0.52	0.24	0.52	0.30	
103.11	103.33	-21.75	4.05	5.26	0.17	13.66	0.81	1.58	10.30	1.01	0.54	1.93	0.76	
103.33	103.55		5.46	5.39	0.25	26.27	0.94	2.28	23.83	1.08	0.70	2.58	1.03	
103.55	103.77	-20.29	2.78	5.41	0.09	8.77	0.68	0.81	7.09	0.94	0.31	0.95	0.45	
103.77	104.00		2.01	5.41	0.06	3.83	0.72	0.26	3.27	0.64	0.21	0.33	0.25	
104.00	104.21	-21.78	3.08	5.31	0.11	8.27	1.33	0.84	6.65	1.08	0.31	0.80	0.43	
104.21	104.42		2.65	5.37	0.08	8.53	0.66	0.67	6.92	0.78	0.28	0.75	0.37	
104.42	104.65	-22.24	2.40	4.91	0.02	6.25	0.83	0.88	5.31	0.81	0.30	0.70	0.41	
104.65	104.88		3.33	5.32	0.11	12.47	0.87	1.07	10.50	0.94	0.39	0.87	0.52	
104.88	105.09	-21.35	3.02	5.35	0.13	9.88	1.02	1.46	8.24	1.09	0.35	1.10	0.58	
105.09	105.30		2.34	5.35	0.11	6.72	0.60	0.52	5.66	0.65	0.27	0.55	0.30	
105.30	105.51	-20.10	3.56	5.22	0.14	11.18	0.93	1.78	9.27	0.75	0.35	1.36	0.59	
105.51	105.73		3.64	5.09	0.12	9.46	0.83	2.33	7.63	0.60	0.29	1.25	0.52	

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
105.73	105.93		4.81	5.02	0.15	13.39	1.11	2.79	10.26	1.00	0.41	1.55	0.71	
105.93	106.13	-19.73	9.45	4.70	0.15	18.09	0.75	8.54	14.81	1.19	0.50	2.32	0.95	
106.13	106.33		16.10	4.43	0.14	20.68	1.36	16.87	14.13	1.16	0.51	2.82	1.15	
106.33	106.53	-20.02	14.82	4.81	0.11	65.31	1.18	10.15	60.08	2.27	1.47	5.04	1.92	
106.53	106.74		14.46	5.00	0.26	72.41	1.77	8.91	60.73	2.51	1.67	6.29	2.86	
106.74	106.96	-19.42	2.72	5.40	0.06	9.21	0.34	0.50	7.25	1.12	0.32	0.69	0.29	
106.96	107.17		2.23	5.48	0.00	7.04	0.25	0.34	6.24	0.76	0.25	0.44	0.27	
107.17	107.38	-18.76	3.10	5.46	0.12	13.63	0.42	0.77	10.80	0.83	0.40	1.06	0.35	
107.38	107.60		3.16	5.47	0.12	12.31	0.47	1.16	9.92	0.69	0.39	1.64	0.54	
107.60	107.81	-19.91	4.45	5.37	0.17	19.13	0.95	1.68	17.31	1.28	1.17	2.35	1.01	
107.81	108.02		2.98	5.44	0.10	11.14	0.38	0.93	7.63	0.44	0.30	1.62	0.47	
108.02	108.22	-20.27	3.92	5.52	0.05	18.28	0.66	1.47	15.86	0.92	0.54	1.87	0.66	
108.22	108.41		2.86	5.47	0.09	9.97	0.50	1.01	8.34	0.54	0.31	1.11	0.46	
108.41	108.60	-21.28	2.80	5.52	0.09	10.94	0.38	0.84	9.57	0.45	0.29	0.97	0.46	
108.60	108.79		3.92	5.52	0.05	18.28	0.66	1.47	15.86	0.92	0.54	1.87	0.66	
108.79	108.99	-20.30	1.67	5.55	n.a.	3.77	0.21	0.21	3.08	0.59	0.19	0.36	0.25	
108.99	109.20		2.27	5.54	0.06	8.56	0.16	0.26	7.64	1.01	0.34	0.44	0.29	
109.20	109.41	-17.71	1.98	5.53	0.05	6.17	0.16	0.14	8.34	0.67	1.50	0.43	0.44	
109.41	109.63		4.02	5.49	0.11	19.40	0.49	1.21	17.00	0.76	0.54	1.44	0.58	
109.63	109.84	-19.56	5.48	5.46	0.08	29.89	0.67	1.33	27.17	1.27	0.84	1.80	0.59	
109.84	110.04		2.65	5.50	0.07	9.35	0.38	0.87	7.50	0.82	0.37	1.09	0.42	
110.04	110.24	-20.32	2.78	5.49	0.05	10.36	0.43	0.63	8.58	0.89	0.38	0.74	0.36	
110.24	110.46		2.71	5.49	0.05	9.79	0.44	0.68	7.55	0.85	0.34	0.91	0.34	
110.46	110.68	-21.32	2.99	5.55	0.05	13.08	0.32	0.59	11.61	0.43	0.36	0.79	0.32	
110.68	110.90		4.84	5.38	0.05	26.73	0.55	1.19	23.96	0.84	0.62	1.64	0.55	
110.90	111.11	-20.99	4.24	5.53	0.09	21.83	0.57	1.10	19.26	0.78	0.55	1.33	0.54	
111.11	111.32		2.39	5.48	0.06	7.39	0.45	0.67	5.93	0.53	0.29	0.65	0.33	
111.32	111.53	-19.26	2.75	5.50	0.12	10.56	0.33	0.76	9.03	0.54	0.31	0.72	0.42	
111.53	111.74		4.32	5.47	0.23	18.66	0.94	2.10	14.47	0.91	0.45	2.54	0.86	
111.74	111.96	-19.74	3.23	5.56	0.08	12.70	0.62	1.60	10.84	0.72	0.42	1.34	0.68	
111.96	112.16		2.05	5.52	0.05	5.29	0.37	0.60	3.43	0.60	0.25	0.66	0.32	
112.16	112.36	-21.49	4.31	5.49	0.22	18.49	1.09	2.17	14.19	0.91	0.47	2.54	1.07	
112.36	112.57		4.15	5.41	0.11	18.18	1.06	1.57	14.18	1.03	0.47	1.87	0.75	
112.57	112.78	-23.62	3.62	5.45	0.12	14.96	0.96	1.62	11.64	0.80	0.44	1.90	0.76	
112.78	112.99		6.62	5.52	0.20	37.12	1.47	3.49	32.76	1.42	0.97	4.26	2.31	
112.99	113.20	-20.29	4.70	5.48	0.21	21.85	1.09	2.48	17.02	0.66	0.56	3.48	1.17	
113.20	113.41		3.40	5.54	0.05	16.27	0.39	0.98	12.55	0.66	0.48	1.70	0.71	
113.41	113.63	-19.06	10.33	5.60	0.07	68.72	0.37	0.06	58.48	1.09	1.74	5.59	2.56	
113.63	113.85		5.14	5.53	0.11	28.00	0.57	1.70	24.98	0.94	0.70	2.34	0.80	
113.85	114.07	-18.35	4.16	5.41	0.17	18.65	0.67	1.63	15.23	0.94	0.50	1.57	0.70	
114.07	114.49	-17.31												
114.49	114.92	-18.27												
114.92	115.15													
115.15	115.37	-18.56	4.15	5.44	0.11	21.95	0.56	1.15	18.94	0.49	0.41	1.53	0.55	
115.37	115.82	-19.70												
115.82	116.23	-19.45												
116.23	116.64	-22.08												
116.64	117.06	-19.38												
117.06	117.27		5.27	5.26										
117.27	117.48	-17.19												
117.48	117.90	-16.88												
117.90	118.32	-17.09												
118.32	118.74	-16.39												
118.74	119.15	-19.73												
119.15	119.36		5.42	5.66	0.21	27.56	1.00	2.61	23.12	0.92	0.61	3.47	1.13	
119.36	119.58	-19.20												
119.58	120.00	-20.48												
120.00	120.42	-19.48												
120.42	120.86	-20.68												
120.86	121.26	-20.96												
121.26	121.46		2.13	5.26										
121.46	121.66	-18.02												
121.66	122.06	-21.58												
122.06	122.47	-20.19												
122.47	122.89	-16.73												
122.89	123.31	-15.82												
123.31	123.52		4.05	5.67	0.14	19.43	0.47	1.46	16.86	0.50	0.41	1.53	0.63	
123.52	123.73	-17.32												
123.73	124.16	-17.54												

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl^- $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
124.16	124.57	-16.45												
124.57	124.99	-17.08												
124.99	125.41	-17.63												
125.41	125.62	-15.26	5.91	5.34										
125.62	125.84													
125.84	126.25	-17.87												
126.25	126.66	-16.58												
126.66	127.07	-16.47												
127.07	127.48	-17.52												
127.48	127.68	-18.80	5.91	5.32	0.17	29.51	0.97	3.84	24.24	1.02	0.60	4.01	0.97	
127.68	127.88													
127.88	128.28	-19.98												
128.28	128.75	-19.98												
128.75	129.09	-19.36												
129.09	129.51	-18.29												
129.51	129.72	-19.37	1.68	5.72										
129.72	129.93													
129.93	130.35	-18.26												
130.35	130.78	-17.04												
130.78	131.19	-15.28												
131.19	131.60	-17.36												
131.60	131.80	-20.50	2.54	5.72	0.01	9.95	0.52	0.65	7.78	0.82	0.27	0.72	0.30	
131.80	132.00													
132.00	132.40	-19.67												
132.40	132.82	-17.26												
132.82	133.26	-17.11												
133.26	133.69	-18.90												
133.69	133.90	-19.44												
133.90	134.11	-16.47	3.11	5.65										
134.11	134.51													
134.51	134.92	-16.25												
134.92	135.18	-18.74												
135.18	135.60	-19.19												
135.60	135.76	-19.48			n.a.	9.53	0.31	0.24	7.37	0.65	0.30	0.43	0.24	
135.76	135.93	-19.14	2.45	5.44										
135.93	136.43													
136.43	136.88	-18.01												
136.88	137.33	-19.45												
137.33	137.73	-19.97												
137.73	137.93	-20.55												
137.93	138.13	-18.93	3.18	5.41										
138.13	138.50													
138.50	138.90	-17.42												
138.90	139.30	-17.64												
139.30	139.50	-20.47												
139.50	139.70	-21.99	5.05	5.58	0.16	24.20	1.37	2.07	20.04	1.28	0.59	2.11	1.02	
139.70	140.11													
140.11	140.52	-19.09												
140.52	140.94	-20.19												
140.94	141.37	-17.62												
141.37	141.62	-16.64												
141.62	141.88	-18.23	2.97	5.69										
141.88	142.17													
142.17	142.51	-16.42												
142.51	142.98	-16.93												
142.98	143.52	-17.08												
143.52	143.81	-18.06												
143.81	144.03	-19.52	1.88	5.73	0.01	6.38	0.16	0.26	4.76	0.46	0.20	0.49	0.25	
144.03	144.24													
144.24	144.61	-18.97												
144.61	145.12	-18.73												
145.12	145.43	-21.13												
145.43	145.84	-24.21												
145.84	146.04	-18.28	3.33	5.65										
146.04	146.24													
146.24	146.78	-17.78												
146.78	147.06	-15.21												
147.06	147.39	-18.64												
147.39	147.86	-19.85												

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
147.86	148.08	-16.74	2.80	5.72	0.02	11.97	0.32	0.73	9.72	0.74	0.30	0.91	0.35	
148.08	148.30													
148.30	148.71	-18.16												
148.71	149.21	-18.00												
149.21	149.47	-19.86												
149.47	149.83	-20.44												
149.83	150.02	-19.67	2.46	5.52										
150.02	150.21		2.03	5.69										
150.21	150.57	-20.10												
150.57	150.94	-20.60												
150.94	151.28	-19.11												
151.28	151.75	-21.13												
151.75	152.00	-17.87												
152.00	152.25	-19.71	5.74	5.62	0.05	33.46	0.86	1.48	29.40	1.02	0.66	1.64	0.51	
152.25	152.57													
152.57	152.96	-18.14												
152.96	153.47	-18.53												
153.47	153.84	-16.81												
153.84	154.04	-17.50	3.05	5.71										
154.04	154.25													
154.25	154.65	-16.92												
154.65	155.07	-16.35												
155.07	155.54	-18.03												
155.54	155.96	-16.55												
155.96	156.15	-18.02	4.26	5.66	0.07	21.61	0.39	1.37	18.89	0.70	0.55	2.01	0.68	
156.15	156.34													
156.34	156.65	-16.57												
156.65	157.18	-17.91												
157.18	157.55	-18.05												
157.55	158.00	-18.16												
158.00	158.20	-19.13	3.31	5.65										
158.20	158.40													
158.40	158.81	-19.19												
158.81	159.16	-19.00												
159.16	159.64	-18.36												
159.64	159.83	-17.32												
159.83	160.03	-20.20	4.37	5.54	0.06	18.31	0.52	1.51	15.06	0.50	0.56	1.57	0.43	
160.03	160.46													
160.46	160.81	-19.79												
160.81	161.17	-18.80												
161.17	161.60	-17.83												
161.60	162.04	-19.55												
162.04	162.21	-18.90	4.94	5.59										
162.21	162.39													
162.39	162.72	-19.63												
162.72	163.15	-18.43												
163.15	163.60	-18.49												
163.60	163.79	-18.75												
163.79	163.98													
163.98	164.24	-20.06												
164.24	164.51		3.91	5.69	0.98	19.21	0.94	1.38	16.44	1.13	0.75	1.40	0.62	
164.51	164.83	-19.38												
164.83	165.32	-17.87												
165.32	165.69	-18.06												
165.69	166.04	-16.41												
166.04	166.19	-18.85												
166.19	166.34		3.54	5.62										
166.34	166.81	-18.96												
166.81	167.22	-18.56												
167.22	167.63	-18.61												
167.63	168.06	-20.47												
168.06	168.32	-19.15	6.51	5.71	0.08	36.59	0.99	2.15	31.45	1.19	1.26	3.66	1.06	
168.32	168.58													
168.58	169.02	-18.33												
169.02	169.37	-20.31												
169.37	169.84	-19.76												
169.84	170.19	-21.05												
170.19	170.34	-20.01	5.50	5.70										
170.34	170.50													

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
170.50	170.95	-18.93												
170.95	171.27	-20.04												
171.27	171.72	-19.25												
171.72	172.24	-21.04												
172.24	172.42		4.95	5.62	0.15	21.98	0.76	2.33	19.18	1.11	0.52	2.06	0.72	
172.42	172.60	-18.70												
172.60	172.78													
172.78	173.29	-17.93												
173.29	173.69	-20.01												
173.69	174.10	-21.89												
174.10	174.45	-19.51												
174.45	174.66	-18.04	4.31	5.70										
174.66	174.86													
174.86	175.30	-17.56												
175.30	175.73	-17.05												
175.73	176.07	-17.36												
176.07	176.42	-19.03												
176.42	176.59	-20.63	3.22	5.83	0.05	14.43	0.37	0.96	13.08	0.62	0.38	1.28	0.43	
176.59	176.76													
176.76	177.25	-20.29												
177.25	177.75	-18.74												
177.75	178.11	-18.82												
178.11	178.45	-18.77												
178.45	178.65	-18.54	4.62	5.75										
178.65	178.86													
178.86	179.25	-19.84												
179.25	179.71	-21.09												
179.71	180.01	-19.53												
180.01	180.23	-18.74												
180.23	180.46		3.54	5.74	0.07	14.94	0.86	0.98	12.76	2.01	0.57	1.26	0.48	
180.46	180.76	-18.19												
180.76	181.23	-18.92												
181.23	181.65	-20.00												
181.65	182.04	-18.57												
182.04	182.38	-18.92												
182.38	182.61	-17.57	5.58	5.88										
182.61	182.85													
182.85	183.29	-16.66												
183.29	183.67	-18.97												
183.67	184.04	-17.95												
184.04	184.54	-16.69												
184.54	184.80	-17.55												
184.80	185.06		2.22	5.80	0.01	8.33	0.18	0.14	7.46	0.91	0.26	0.35	0.22	
185.06	185.36	-19.66												
185.36	185.80	-18.28												
185.80	186.19	-18.84												
186.19	186.60	-17.29												
186.60	186.79	-18.43												
186.79	186.98		5.06	5.66										
186.98	187.38	-19.34												
187.38	187.83	-20.00												
187.83	188.16	-17.62												
188.16	188.57	-17.33												
188.57	188.80	-15.88												
188.80	189.04		4.61	5.66	0.10	22.09	0.59	2.18	19.62	0.77	0.54	2.14	0.64	
189.04	189.36	-14.82												
189.36	189.76	-15.44												
189.76	190.15	-16.69												
190.15	190.57	-18.53												
190.57	190.77	-17.15	2.23	5.74										
190.77	190.97													
190.97	191.46	-17.55												
191.46	191.82	-19.28												
191.82	192.32													
192.32	192.61	-17.92												
192.61	192.84	-18.06												
192.84	193.07		3.68	5.73	0.10	16.26	0.70	1.09	14.97	0.84	0.40	1.45	0.52	
193.07	193.43	-16.88												
193.43	193.81	-17.32												

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl^- $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
193.81	194.19	-17.39												
194.19	194.51	-18.58												
194.51	194.72	-18.19	3.61	5.67										
194.72	194.93													
194.93	195.45	-18.69												
195.45	195.86	-18.86												
195.86	196.23	-18.73												
196.23	196.65	-17.23												
196.65	196.90	-18.89	5.57	5.68	0.06	30.39	0.69	1.45	28.30	1.12	0.80	1.96	0.79	
196.90	197.14													
197.14	197.62	-18.36												
197.62	197.94	-16.33												
197.94	198.38	-19.71												
198.38	198.60	-19.26	7.64	5.59										
198.60	198.82													
198.82	199.02	-19.69												
199.02	199.23													
199.23	199.72	-17.56												
199.72	200.12	-18.54												
200.12	200.51	-18.02												
200.51	201.01	-20.17												
201.01	201.22	-19.51	2.79	5.69	0.03	11.67	0.49	0.46	10.41	0.77	0.40	0.61	0.32	
201.22	201.44													
201.44	201.94	-19.92												
201.94	202.42	-17.87												
202.42	202.81	-17.96												
202.81	203.21	-18.75												
203.21	203.43	-19.88	4.32	5.68										
203.43	203.65													
203.65	204.11	-18.07												
204.11	204.51	-19.39												
204.51	204.82	-17.36												
204.82	205.30	-19.96												
205.30	205.55	-19.80	4.88	5.59	0.17	22.40	1.08	2.44	19.25	0.88	0.69	2.48	0.90	
205.55	205.79													
205.79	206.24	-18.86												
206.24	206.58	-19.66												
206.58	206.98	-20.01												
206.98	207.48	-18.88												
207.48	207.70	-17.91												
207.70	207.93	-18.25	14.66	5.71										
207.93	208.38	-17.12												
208.38	208.74	-17.17												
208.74	209.20	-18.17												
209.20	209.58	-19.08	5.79	5.78	0.06	35.20	0.63	1.24	33.14	1.23	0.83	1.70	0.56	
209.58	209.82													
209.82	210.06	-17.39												
210.06	210.48	-20.00												
210.48	210.94	-19.83												
210.94	211.31	-21.99												
211.31	211.81	-19.17	2.42	5.68										
211.81	212.02	-18.78												
212.02	212.23	-15.19												
212.23	212.66	-16.21												
212.66	213.13	-17.96												
213.13	213.57	-17.11	3.10	5.68	0.05	10.02	0.28	1.16	10.91	0.70	0.36	0.97	0.36	
213.57	213.93	-19.57												
213.93	214.12	-19.63												
214.12	214.32	-18.98												
214.32	214.81	-19.38												
214.81	215.27	-19.38												
215.27	215.75	-19.72	3.09	5.71										
215.75	216.27	-18.41												
216.27	216.46	-17.25												
216.46	216.65	-18.43												
216.65	217.06	-18.50												
217.06	217.48													
217.48	217.91													
217.91	218.39													

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl^- $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
218.39	218.59													
218.59	218.79	-20.64	3.75	5.48	0.13	8.92	1.46	2.38	7.49	1.03	0.36	1.15	0.61	
218.79	219.31	-21.22												
219.31	219.82	-20.49												
219.82	220.30	-20.27												
220.30	220.70	-22.51												
220.70	220.95													
220.95	221.20	-18.00	3.66	5.60										
221.20	221.67	-18.75												
221.67	222.10	-19.17												
222.10	222.56	-19.15												
222.56	222.81													
222.81	223.07	-20.11	4.67	5.69	0.06	22.15	0.79	1.54	19.48	0.91	0.60	1.79	0.71	
223.07	223.49	-18.92												
223.49	223.88	-20.07												
223.88	224.35	-18.87												
224.35	224.86	-21.49												
224.86	225.11													
225.11	225.37	-20.45	7.05	5.70										
225.37	225.85	-17.75												
225.85	226.37	-17.82												
226.37	226.88	-19.34												
226.88	227.28	-17.41												
227.28	227.79	-17.81												
227.79	228.04													
228.04	228.30	-15.79	2.99	5.80	0.03	13.00	0.23	0.68	12.52	0.54	0.70	0.81	0.36	
228.30	228.77	-16.89												
228.77	229.27	-16.79												
229.27	229.72	-16.43												
229.72	230.16	-17.29												
230.16	230.41													
230.41	230.65	-18.45	3.12	5.77										
230.65	231.12	-17.64												
231.12	231.53	-18.14												
231.53	232.02	-16.98												
232.02	232.54	-17.18												
232.54	232.79													
232.79	233.03	-16.62	4.78	5.77	0.01	29.21	0.25	0.32	29.08	0.89	0.47	0.56	0.29	
233.03	233.44	-15.77												
233.44	233.81	-17.33												
233.81	234.31	-16.58												
234.31	234.70	-18.13												
234.70	234.90													
234.90	235.10	-17.43	7.61	5.68										
235.10	235.46	-18.16												
235.46	235.89	-17.46												
235.89	236.30	-17.31												
236.30	236.75	-17.66												
236.75	236.97													
236.97	237.19	-17.55	3.14	5.77	0.03	14.91	0.41	0.46	13.50	1.18	0.32	0.64	0.30	
237.19	237.56	-19.57												
237.56	237.95	-21.69												
237.95	238.34	-19.35												
238.34	238.80	-17.87												
238.80	239.07													
239.07	239.34	-19.10	3.54	5.74										
239.34	239.75	-17.72												
239.75	240.16	-17.26												
240.16	240.50	-19.99												
240.50	240.95	-19.16												
240.95	241.20													
241.20	241.45	-18.63	3.19	5.70	0.09	12.47	0.49	1.25	10.09	0.65	0.30	1.43	0.46	
241.45	241.92	-19.70												
241.92	242.39	-20.66												
242.39	242.82	-18.24												
242.82	243.18	-17.66												
243.18	243.54	-18.17												
243.54	243.77													
243.77	244.01	-18.87	2.71	5.73										

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
244.01	244.50	-18.89												
244.50	244.99	-18.30												
244.99	245.48	-17.23												
245.48	245.69													
245.69	245.90	-19.29	2.76	5.71	0.10	8.86	0.76	1.53	6.73	0.68	0.27	1.71	0.39	
245.90	246.41	-18.99												
246.41	246.91	-17.41												
246.91	247.31	-16.70												
247.31	247.63	-17.78												
247.63	247.81													
247.81	248.00	-17.68	3.95	5.76										
248.00	248.39	-18.99												
248.39	248.83	-18.96												
248.83	249.16	-19.55												
249.16	249.36													
249.36	249.57	-18.51	2.15	5.76	0.06	7.05	0.20	0.26	6.39	0.75	0.24	0.37	0.30	
249.57	250.04	-18.41												
250.04	250.55	-19.64												
250.55	250.77	-17.59												
250.77	251.02													
251.02	251.28													
251.28	251.51													
251.51	251.74													
251.74	251.99	-19.73	2.39	5.67	0.04	7.22	0.40	0.72	6.04	0.54	0.30	0.86	0.36	
251.99	252.23													
252.23	252.40													
252.40	252.57													
252.57	252.80													
252.80	253.03													
253.03	253.28													
253.28	253.54													
253.54	253.77													
253.77	254.01													
254.01	254.25	-18.89	5.53	5.59	0.09	27.94	0.82	1.89	24.67	0.83	0.70	2.34	0.78	
254.25	254.48													
254.48	254.72													
254.72	254.95													
254.95	255.18													
255.18	255.41													
255.41	255.66													
255.66	255.91													
255.91	256.16													
256.16	256.41													
256.41	256.63	-19.47	3.84	5.60	0.04	16.87	0.60	0.94	14.66	0.83	0.50	1.12	0.40	
256.63	256.86													
256.86	257.11													
257.11	257.35													
257.35	257.54		4.79	5.49	0.13	18.70	1.32	2.69	15.35	1.60	0.61	2.03	0.93	
257.54	257.73													
257.73	257.98													
257.98	258.23													
258.23	258.42													
258.42	258.61		3.59	5.59	0.03	15.49	0.38	0.69	13.81	0.77	0.50	0.96	0.38	
258.61	258.87	-18.46	3.30	5.68	0.06	14.41	0.42	0.94	12.71	1.03	0.51	0.97	0.42	
258.87	259.13													
259.13	259.37													
259.37	259.62		3.75	5.58	0.02	18.44	0.44	0.59	15.96	0.75	0.47	1.12	0.36	
259.62	259.84		6.65	5.63	0.11	36.69	1.15	3.22	31.41	1.31	1.41	3.82	2.05	
259.84	260.07		4.04	5.46	0.03	18.97	0.46	0.99	16.16	0.96	0.50	1.52	0.49	
260.07	260.32		2.04	5.55	0.01	7.15	0.20	0.23	6.13	0.67	0.26	0.42	0.23	
260.32	260.57		3.03	5.70	0.02	13.98	0.46	0.55	12.73	0.88	0.38	0.69	0.30	
260.57	260.77		5.54	5.55	0.06	30.04	0.69	1.30	27.58	1.14	0.82	1.75	0.65	
260.77	260.98		5.75	5.50	0.08	31.36	0.85	2.08	26.97	1.10	0.85	2.91	0.94	
260.98	261.19	-21.68	4.58	5.66	0.08	21.62	0.75	1.27	21.34	0.76	0.51	1.76	0.69	
261.19	261.40		4.67	5.67	0.07	23.86	0.76	1.71	20.65	0.98	0.68	2.21	0.83	
261.40	261.64		4.66	5.47	0.06	23.91	0.81	1.68	21.17	1.18	0.57	1.69	0.78	
261.64	261.88		4.74	5.46	0.07	24.42	0.64	1.30	21.45	1.17	0.63	1.92	0.66	
261.88	262.13		2.39	5.54	0.01	8.66	0.30	0.43	6.85	0.72	0.30	0.76	0.30	
262.13	262.38		3.43	5.67	0.05	15.06	0.45	0.82	13.21	0.91	0.46	1.18	0.38	

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
262.38	262.62		3.13	5.57	0.01	13.05	0.41	0.44	11.14	1.22	0.58	0.80	0.33	
262.62	262.87		2.76	5.56	0.02	10.98	0.39	0.58	9.26	0.72	0.40	0.97	0.36	
262.87	263.11		3.81	5.42	0.06	15.45	0.68	1.01	12.70	0.92	0.55	1.53	0.55	
263.11	263.35		3.69	5.57	0.05	14.94	0.61	1.03	12.79	1.23	0.48	1.27	0.45	
263.35	263.60	-19.10	4.48	5.59	0.09	20.73	0.98	1.21	18.17	1.28	0.52	1.58	0.48	
263.60	263.85		5.47	5.47	0.05	28.34	0.69	1.62	24.55	1.16	0.77	2.32	0.71	
263.85	264.09		4.22	5.66	0.05	21.16	0.51	1.33	18.11	0.92	0.63	1.77	0.53	
264.09	264.33		3.35	5.43	0.04	13.61	0.40	0.80	10.78	2.28	0.45	1.20	0.36	
264.33	264.58		4.41	5.50	0.09	20.00	0.90	1.65	17.73	2.20	0.61	1.68	0.64	
264.58	264.83		6.48	5.52	0.22	30.23	1.59	3.13	26.14	5.05	0.88	3.51	1.24	
264.83	265.07		5.87	5.51	0.12	25.03	0.91	2.50	20.54	3.45	0.75	2.91	0.50	
265.07	265.32		3.33	5.64	0.03	14.51	0.38	0.73	11.34	1.13	0.71	1.06	0.39	
265.32	265.56		2.35	5.60	0.03	5.98	0.58	0.85	4.53	0.63	0.24	0.88	0.31	
265.56	265.80		4.82	5.56	0.09	23.16	0.91	1.71	20.70	1.51	0.72	2.02	0.78	
265.80	266.02	-19.70	3.57	5.58	0.09	13.05	0.73	1.22	10.98	0.87	0.40	1.28	0.53	
266.02	266.23		2.60	5.61	0.04	7.50	0.62	0.59	5.90	0.82	0.29	0.59	0.35	
266.23	266.46		4.05	5.65	0.07	18.48	0.95	1.41	15.99	1.63	0.68	1.39	0.84	
266.46	266.68		3.17	5.49	0.07	8.43	1.02	1.37	6.44	1.15	0.34	1.00	0.50	
266.68	266.87		2.85	5.62	0.03	10.51	0.70	0.68	8.95	1.24	0.34	0.63	0.31	
266.87	267.06		4.41	5.42	0.10	20.46	1.32	1.83	18.33	1.30	0.65	1.79	0.79	
267.06	267.28		3.22	5.55	0.10	9.86	1.08	1.47	8.02	0.72	0.37	1.39	0.56	
267.28	267.51		2.85	5.61	0.02	11.08	0.46	0.66	9.20	0.91	0.31	0.71	0.29	
267.51	267.73		4.40	5.58	0.08	20.51	0.97	1.99	16.89	1.12	0.56	2.10	0.73	
267.73	267.95		3.13	5.67	0.07	11.72	0.68	1.60	9.54	0.64	0.35	1.49	0.76	
267.95	268.17	-17.19	3.83	5.62	0.05	17.46	0.65	1.27	14.56	0.74	0.40	1.37	0.45	
268.17	268.38		3.11	5.64	0.07	10.57	0.68	1.66	8.67	0.62	0.31	1.56	0.52	
268.38	268.60		1.78	5.71	0.01	4.07	0.22	0.33	3.18	0.40	0.21	0.49	0.25	
268.60	268.81		2.82	5.59	0.04	9.40	0.57	0.87	7.52	0.81	0.31	0.76	0.35	
268.81	269.05													
269.05	269.29													
269.29	269.53													
269.53	269.78													
269.78	270.04													
270.04	270.29													
270.29	270.55	-16.64	3.85	5.68	0.05	17.89	0.47	1.17	14.80	0.86	0.47	1.51	0.49	
270.55	270.80													
270.80	271.05													
271.05	271.31													
271.31	271.55													
271.55	271.79													
271.79	272.04													
272.04	272.28													
272.28	272.52													
272.52	272.76													
272.76	272.94	-19.94	2.98	5.76	0.07	11.93	0.49	0.94	9.39	0.63	0.33	1.06	0.45	
272.94	273.12													
273.12	273.35													
273.35	273.58													
273.58	273.83													
273.83	274.09													
274.09	274.33													
274.33	274.57													
274.57	274.81													
274.81	275.05													
275.05	275.29	-17.24	4.51	5.74	0.06	24.05	0.57	1.55	21.84	0.75	0.46	1.54	0.91	
275.29	275.54													
275.54	275.77													
275.77	276.00													
276.00	276.24													
276.24	276.48													
276.48	276.71													
276.71	276.95													
276.95	277.20													
277.20	277.45													
277.45	277.69	-15.54	3.90	5.55	0.03	18.69	0.45	0.87	15.31	0.87	0.37	1.42	0.35	
277.69	277.94													
277.94	278.20													
278.20	278.47													
278.47	278.69													

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl^- $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
278.69	278.92													
278.92	279.17													
279.17	279.43													
279.43	279.67													
279.67	279.91													
279.91	280.14	-19.86	5.77	5.49	0.10	31.88	1.05	2.10	28.35	0.90	0.77	2.48	0.90	
280.14	280.38													
280.38	280.63													
280.63	280.88													
280.88	281.10													
281.10	281.33													
281.33	281.53													
281.53	281.74													
281.74	281.98													
281.98	282.22													
282.22	282.45	-19.90	2.73	5.56	0.03	9.95	0.55	0.75	8.22	0.64	0.30	0.81	0.37	
282.45	282.68													
282.68	282.93													
282.93	283.17													
283.17	283.42													
283.42	283.66													
283.66	283.90													
283.90	284.14													
284.14	284.35													
284.35	284.56													
284.56	284.78													
284.78	285.01													
285.01	285.28													
285.28	285.55													
285.55	285.80													
285.80	286.05													
286.05	286.31													
286.31	286.57													
286.57	286.78													
286.78	286.99													
286.99	287.20	-19.13	3.95	5.39	0.06	18.88	0.70	1.28	16.04	0.69	0.48	1.46	0.55	
287.20	287.41													
287.41	287.61													
287.61	287.81													
287.81	288.03													
288.03	288.26													
288.26	288.48													
288.48	288.70													
288.70	288.89													
288.89	289.08	-18.55	5.11	5.31	0.15	24.59	0.96	2.26	21.04	1.32	0.57	2.22	0.79	

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl $\mu\text{mol/L}$	NO_3 $\mu\text{mol/L}$	SO_4 $\mu\text{mol/L}$	Na $\mu\text{mol/L}$	NH_4 $\mu\text{mol/L}$	K $\mu\text{mol/L}$	Mg $\mu\text{mol/L}$	Ca $\mu\text{mol/L}$	Comments
0.80	1.05	-17.30												
1.62	1.86	-15.86												
2.59	2.79		3.84	5.70	0.10	15.45	0.46	0.67	16.62	1.52	2.26	0.72	1.97	
2.79	3.18	-20.79												
3.65	3.90	-17.51												
4.44	4.68		3.10	5.42	0.00	5.58	0.40	0.30	7.27	0.75	0.68	0.38	0.94	
4.68	4.93	-16.35												
6.04	6.35	-15.72												
6.35	6.43		5.83	5.56	0.04	29.64	2.09	3.88	26.37	1.85	1.94	2.63	2.67	
6.43	6.51		4.06	5.45	0.07	13.01	1.61	2.62	12.01	1.01	0.31	2.32	0.97	
6.51	6.59		3.03	5.32	n.a.	5.10	0.20	0.60	5.96	1.32	0.15	0.86	0.49	
6.59	6.67				0.05	10.10	0.92	1.21	12.69	1.64	0.34	1.49	0.80	
6.67	6.75		6.58	5.26	n.a.	17.35	2.01	1.59	20.87	1.89	0.39	1.71	0.85	
6.75	6.83		8.26	5.00	0.06	37.93	1.91	2.65	27.96	1.85	0.65	1.83	0.63	
6.83	6.91		7.02	5.16	0.05	32.60	1.77	1.53	26.77	1.89	0.55	1.37	0.56	
6.91	7.00		8.39	5.03	0.05	16.77	2.16	2.85	27.39	0.98	0.54	3.36	1.01	
7.00	7.08		3.77	5.30	n.a.	16.67	1.03	0.48	14.61	2.25	1.38	0.67	0.87	
7.08	7.20		12.59	4.91	0.03	34.54	5.92	11.35	42.01	1.30	1.25	8.58	2.44	firn
7.20	7.28		20.50	4.61	0.07	37.51	5.43	7.31	35.49	1.77	1.04	5.97	2.27	
7.28	7.34		3.24	5.27	n.a.	7.92	0.84	0.44	8.84	1.26	0.17	0.57	0.41	big bubbles
7.34	7.40		2.05	5.33	0.04	5.45	0.48	0.12	3.37	1.28	0.07	0.22	0.17	
7.40	7.53		7.21	4.86	n.a.	2.04	1.39	1.37	9.97	1.57	0.23	1.76	0.65	firn
7.53	7.61		5.40	4.43	0.02	9.51	1.43	0.75	8.63	1.49	0.20	0.97	0.38	
7.61	7.69		29.30	4.59	n.a.	6.40	0.62	0.47	4.86	0.78	0.12	0.46	0.25	
7.69	7.77		2.87	5.37	0.03	5.67	0.58	0.37	4.62	0.88	0.12	0.38	0.21	
7.77	7.85		3.18	5.33	0.04	9.21	0.49	0.50	7.91	0.74	0.10	0.43	0.19	
7.85	7.93		3.80	5.25	n.a.	8.34	1.51	1.35	10.06	0.90	0.13	0.62	0.31	
7.93	8.03		5.62	5.18	n.a.	2.28	1.33	1.96	15.99	0.62	0.19	0.94	0.33	
8.03	8.15	-17.80	7.98	5.00	n.a.	6.73	2.80	2.71	21.82	0.89	0.38	1.61	0.70	firn
8.15	8.25		12.90	4.80	0.17	39.91	4.73	4.68	30.58	1.66	1.14	4.78	1.57	big bubbles
8.25	8.33		10.06	4.92	n.a.	31.17	3.35	3.76	22.72	0.92	0.67	3.38	1.11	small bubbles
8.33	8.41		4.82	5.25	n.a.	8.81	0.73	1.02	7.81	0.42	0.16	0.76	0.28	
8.41	8.49		8.76	4.96	n.a.	6.00	0.67	1.03	8.09	0.45	0.13	0.69	0.34	
8.49	8.57		6.64	5.07	n.a.	27.25	1.58	2.06	22.39	1.37	0.59	2.14	0.85	
8.57	8.65		3.39	5.43	n.a.	11.82	0.64	0.79	9.07	1.67	0.17	0.58	0.24	
8.65	8.73		4.14	5.13	n.a.	5.01	0.52	0.87	4.92	1.95	0.08	0.38	0.24	
8.73	8.82		7.52	4.80	n.a.	5.02	0.51	0.27	5.31	1.22	0.14	0.31	0.37	
8.82	8.90		9.59	5.08	n.a.	21.93	1.79	1.85	17.12	3.26	0.45	1.45	0.71	
8.90	8.98		12.60	5.13	n.a.	14.26	0.97	1.00	11.81	1.23	0.30	0.79	0.48	
8.98	9.08		2.45	5.62	n.a.	5.98	0.33	0.25	5.38	0.79	0.13	0.19	0.19	
9.08	9.16	-16.10			n.a.	6.08	0.55	0.91	7.02	1.42	0.13	0.44	0.22	
9.16	9.26				n.a.	11.83	1.23	1.11	14.89	1.25	0.31	0.70	0.32	
9.26	9.35				0.01	38.48	3.13	4.43	26.52	1.16	0.88	4.16	1.34	
9.35	9.42		8.97	4.84	n.a.	20.69	1.78	3.67	14.91	0.78	0.37	3.16	1.14	
9.42	9.50		2.03	5.46	n.a.	4.34	0.14	0.07	4.27	0.61	0.21	0.10	0.18	
9.50	9.58		2.15	5.44	n.a.	6.18	0.32	0.11	5.79	0.58	0.13	0.11	0.17	
10.14	10.31		18.14	4.73	0.06	62.90	2.89	4.72	41.09	2.27	1.76	6.86	1.67	water wash
10.31	10.48		11.42	5.01	n.a.	33.98	2.16	3.46	25.17	1.33	0.75	3.23	1.26	
10.48	10.72	-16.92												
11.43	11.68	-20.88												
11.90	12.15		3.64	5.26	n.a.	7.11	0.60	0.55	7.13	0.52	0.13	0.29	0.23	
12.40	12.65	-17.45												
13.33	13.57	-18.14												
13.82	13.94		6.55	5.16	n.a.	29.37	1.63	1.02	22.42	1.24	0.55	0.52	0.29	
14.06	14.32	-17.64												
15.26	15.51	-17.34												
16.26	16.51		2.81	5.47	n.a.	7.60	0.63	0.75	7.05	1.12	0.14	0.29	0.20	
16.51	16.77	-16.68												
17.54	17.78	-16.82												
18.53	18.71		10.67	4.91	n.a.	37.49	1.89	2.86	25.41	1.97	0.71	1.85	0.59	
18.71	18.88		6.80	5.09	n.a.	24.02	1.70	1.04	17.73	0.71	0.37	0.54	0.25	
18.88	19.13	-17.58												
19.88	20.13	-16.85												
20.58	20.83		8.63	5.07	n.a.	35.57	1.91	1.05	25.60	1.51	0.93	1.15	0.65	
20.83	21.08	-17.56												
21.74	21.99	-18.43												
22.53	22.80		5.78	5.30	n.a.	24.91	0.79	1.04	18.82	1.63	0.72	0.71	0.76	shaving only
22.80	23.15	-15.76												

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl $\mu\text{mol/L}$	NO_3 $\mu\text{mol/L}$	SO_4 $\mu\text{mol/L}$	Na $\mu\text{mol/L}$	NH_4 $\mu\text{mol/L}$	K $\mu\text{mol/L}$	Mg $\mu\text{mol/L}$	Ca $\mu\text{mol/L}$	Comments
23.90	24.15	-16.44												
24.79	25.04		6.98	5.22	n.a.	15.06	1.05	1.51	16.86	1.26	0.71	1.51	0.85	shaving only
25.04	25.29	-16.22												
26.17	26.42	-15.66												
27.14	27.36		13.67	4.81	n.a.	20.91	1.81	3.35	41.90	1.84	1.44	3.40	1.42	shaving only
27.36	27.61	-16.63												
28.59	28.82	-16.84												
29.56	29.81		6.54	5.15	n.a.	14.62	0.31	0.95	20.82	1.38	0.78	1.44	0.69	shaving only
29.81	30.15	-16.18												
30.89	31.14	-18.01												
31.63	31.88		4.48	5.44	4.63	10.70	0.25	0.62	16.56	1.07	0.43	0.61	0.48	shaving only
31.88	32.13	-15.86												
33.13	33.38	-16.66												
34.10	34.33		10.67	5.00	n.a.	27.54	1.02	3.62	35.88	0.80	0.79	1.82	1.60	shaving only
34.33	34.57	-17.06												
35.67	35.91	-17.03												
36.43	36.70		9.88	5.09	n.a.	17.01	0.18	0.08	20.55	1.69	0.23	0.16	0.15	
36.70	37.09	-17.09												
37.84	38.09	-15.60												
38.72	38.97		3.12	5.46	n.a.	7.30	0.14	0.13	6.00	1.10	0.14	0.17	0.16	
38.97	39.22	-16.35												
40.12	40.37	-16.33												
41.12	41.37		3.04	5.56	n.a.	6.31	0.12	0.08	6.52	0.93	0.13	0.19	0.25	
41.37	41.61	-15.61												
42.61	42.86	-17.01												
43.62	43.87		14.18	5.34	n.a.	28.90	0.66	1.73	63.54	2.21	1.82	2.08	0.79	contamination?
43.87	44.12	-16.81												
45.08	45.33	-16.84												
45.83	46.22		5.46	5.44	n.a.	13.16	0.19	0.22	16.27	0.63	0.39	0.46	0.29	
46.22	46.47	-16.75												
47.22	47.47	-15.79												
48.22	48.47		3.69	5.51	n.a.	11.25	0.61	0.44	9.94	0.63	0.22	0.48	0.31	
48.47	48.85	-17.34												
49.60	49.85	-19.46												
50.51	50.76		3.12	5.54	0.04	5.10	0.46	1.11	4.65	0.56	0.18	0.93	0.29	
50.76	51.01	-17.43												
51.90	52.15	-18.13												
52.65	53.04		3.71	5.48	n.a.	10.03	0.35	1.01	9.32	0.63	0.17	1.31	0.32	
53.04	53.29	-17.68												
54.29	54.53	-17.45												
55.28	55.53		4.37	5.47	0.03	10.14	0.23	0.48	9.71	0.44	0.20	0.51	0.21	
55.53	55.88	-19.47												
56.87	57.12	-18.91												
57.62	57.87		6.26	5.41	0.04	20.23	0.51	1.10	23.62	0.82	0.52	1.54	0.97	
57.87	58.12	-19.36												
59.22	59.47	-17.71												
59.97	60.22		5.62	5.45	0.03	13.91	0.44	0.60	13.74	0.62	0.36	0.78	0.45	
60.22	60.58	-19.83												
61.57	61.80	-19.28												
62.28	62.53		12.16	5.29	0.07	29.78	0.90	2.72	43.27	1.61	1.29	2.73	1.50	
62.53	62.78	-18.43												
63.91	64.16	-18.13												
64.62	64.83		9.85	5.40	n.a.	19.96	0.23	0.52	21.90	1.45	0.54	1.10	0.49	
64.83	65.08	-19.25												
66.08	66.33	-20.08												
67.04	67.29		3.67	5.38	0.06	10.37	0.47	0.86	9.44	1.39	0.29	0.63	0.44	
67.29	67.54	-16.01												
68.23	68.47	-16.58												
69.43	69.64		4.85	5.09	n.a.	1.48	0.33	0.18	9.71	0.38	0.20	0.26	0.21	
69.64	69.89	-19.32												
70.89	71.11	-18.66												
71.86	72.11		7.76	5.32	0.03	25.47	0.40	0.99	33.55	1.12	0.88	1.22	0.84	
72.11	72.32	-19.40												
73.03	73.28	-19.91												
74.03	74.32		5.24	5.41	n.a.	7.10	0.33	0.19	9.58	0.56	0.19	0.63	0.46	
74.32	74.64	-20.24												
75.40	75.75	-18.49												
76.00	76.25		4.48	5.50	0.03	14.83	0.25	0.55	14.45	1.40	0.42	0.74	0.43	

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	MSA $\mu\text{mol/L}$	Cl $\mu\text{mol/L}$	NO_3 $\mu\text{mol/L}$	SO_4 $\mu\text{mol/L}$	Na $\mu\text{mol/L}$	NH_4 $\mu\text{mol/L}$	K $\mu\text{mol/L}$	Mg $\mu\text{mol/L}$	Ca $\mu\text{mol/L}$	Comments
76.25	76.46	-20.60												
77.31	77.55	-19.86												
78.05	78.30		7.14	5.47	0.08	24.32	0.76	1.80	29.00	1.01	0.82	1.36	1.24	
78.30	78.50	-16.02												
79.03	79.31	-17.97												
79.66	80.00		3.84	5.55	0.03	13.57	0.28	0.74	13.12	0.58	0.32	0.89	0.42	
80.00	80.23	-18.33												
80.80	81.09	-17.82												
81.24	81.60		5.84	5.29	0.03	13.21	0.48	1.10	17.90	0.87	0.52	2.42	0.78	
81.60	81.85	-18.44												
82.58	82.80	-18.91												
83.31	83.70		3.52	5.53	0.04	11.47	0.58	0.66	10.04	0.76	0.31	0.83	0.31	
83.70	84.03	-17.17												
84.98	85.23	-17.67												
85.23	85.47		2.89	5.48	0.07	6.52	0.45	0.89	5.50	0.61	0.17	0.74	0.42	
85.99	86.17	-19.66												
86.87	87.13		3.92	5.42	0.10	13.79	0.37	0.50	12.57	0.40	0.35	1.30	0.35	
87.13	87.39	-18.29												
88.38	88.63	-20.64												
89.42	89.67		3.08	5.47	n.a.	6.25	0.46	0.13	5.12	0.55	0.12	0.39	0.28	
89.67	89.96	-18.94												
90.94	91.19	-18.48												
91.93	92.17		5.56	5.29	0.06	13.96	0.83	1.18	15.38	0.80	0.44	2.62	0.74	
92.17	92.43	-16.57												
93.18	93.50	-17.99												
93.84	94.15		3.56	5.52	0.03	9.71	0.42	0.46	9.89	0.81	0.20	0.57	0.43	
94.15	94.45	-19.15												
95.29	95.50	-20.35												
95.75	96.00		61.80	4.84	0.03	7.02	0.30	0.30	5.76	0.43	0.18	0.59	0.38	
96.00	96.25	-21.04												
97.17	97.40	-20.95												
98.12	98.34		10.49	5.14	0.12	7.28	0.81	0.86	5.86	0.58	0.18	0.72	0.56	
98.34	98.65	-17.83												
99.26	99.50	-18.66												
100.00	100.38		4.05	5.33	0.03	13.37	0.34	0.38	15.81	0.70	0.38	0.63	0.31	
100.38	100.64	-20.07												
101.38	101.61	-18.82												
102.11	102.49		5.32	5.49	0.05	11.06	0.73	0.49	11.34	1.08	0.28	0.69	0.51	
102.49	102.74	-19.78												
103.49	103.72	-20.70												
104.10	104.41		17.85	4.60	0.10	14.32	1.00	1.58	18.07	0.90	0.56	2.01	0.76	
104.41	104.80	-23.04												
105.11	105.50	-20.91												
105.88	106.20				0.18	14.08	2.01	0.44	21.53	1.48	0.56	2.62	1.17	
106.20	106.53	-19.66												
107.25	107.50	-18.28												
108.10	108.30				0.02	10.37	0.31	0.79	15.63	0.80	0.37	1.04	0.68	
108.30	108.66	-19.12												
109.28	109.49	-19.88												
109.70	110.07				0.02	7.13	0.32	0.63	9.66	0.44	0.21	0.74	0.40	
110.07	110.40	-21.69												
111.10	111.48	-21.63												
111.48	111.80				0.04	10.11	0.60	0.46	9.49	0.39	0.28	0.99	0.60	
111.80	112.18	-20.46												
112.89	113.20	-18.49												
113.40	113.60				n.a.	8.83	0.37	0.25	12.14	0.45	0.16	0.54	0.30	
113.60	113.80	-19.92												
114.32	114.70	-17.48												
115.02	115.35				0.12	1.58	0.46	0.32	7.44	0.44	0.14	0.43	0.33	
115.35	115.65	-18.06												
116.43	116.63	-17.06												
117.03	117.23				0.00	11.37	0.39	0.37	15.23	0.73	0.28	0.75	0.46	
117.23	117.50	-18.21												
117.90	118.20	-17.06												
118.20	118.48				0.03	14.42	0.42	0.89	18.22	0.96	0.49	1.33	0.73	

Vestfonna in May - Jun., 1995: Ice Core Data Sheet

Top (m)	Bottom (m)	δ18O ‰	mix ‰	Cond. μS/cm	pH	Cl ⁻ μmol/L	NO ₃ ⁻ μmol/L	SO ₄ ²⁻ μmol/L	Na ⁺ μmol/L	NH ₄ ⁺ μmol/L	K ⁺ μmol/L	Mg ²⁺ μmol/L	Ca ²⁺ μmol/L	Comments
0.00	0.42	-19.78				70.25	5.88	8.65	69.98		8.78	7.94	4.43	
0.42	0.63	-22.82	-20.89			30.63	2.00	4.12	27.12		4.06	3.23	2.80	
0.63	0.75	-16.56		18.50	4.83	87.38	4.68	11.28	69.60		5.06	9.05	3.24	
0.75	1.20	-22.07				55.27	1.66	4.14	51.30		6.75	6.48	0.00	
1.20	1.31	-19.32		5.40	5.85	13.08	1.00	1.08	16.24		4.97	1.52	3.07	
1.31	1.54	-21.15				23.49	0.70	0.92	16.48		10.35	1.41	2.45	
1.54	1.65	-23.23	-20.58	11.80	6.28	40.07	5.40	2.69	80.39		4.83	5.06	3.72	
1.65	1.84	-19.63				23.25	0.00	1.74	21.97		9.18	2.25	2.83	
1.84	1.94	-19.63		7.80	5.89	29.66	1.89	1.22	36.31		9.56	1.26	0.00	
1.94	2.04	-20.61		3.70	5.78	20.29	0.54	0.63	21.57		2.57	0.86	1.59	
2.04	2.14	-17.09		5.30	5.92	15.00	1.74	0.88	31.20		3.42	0.85	2.22	
2.14	2.34	-15.09				9.83	0.30	0.54	7.99		3.67	0.66	1.18	
2.34	2.44	-15.32		2.80	5.91	8.79	0.00	0.43	8.90		3.60	0.54	0.96	
2.44	2.62	-15.67				14.80	0.00	0.75	13.06		5.22	0.99	1.59	F
2.62	2.68	-17.28	-16.09	3.50	5.67	17.53	0.22	0.31	12.23		3.15	0.37	0.70	I
2.68	2.75	-16.56		10.00	5.55	53.33	1.40	3.47	45.14		6.27	4.28	3.00	F
2.75	2.81	-17.41		4.60	5.68	24.17	0.49	0.59	17.14		2.52	0.69	0.68	I
2.81	2.94	-16.55		5.90	5.68	22.42	0.49	1.02	19.10		5.83	0.82	2.53	F+I
2.94	3.39	-16.82				18.88	0.71	0.96	13.54		6.31	1.47	1.76	
3.39	3.49	-17.67	-17.11	4.00	5.85	16.93	0.68	1.11	13.27		2.49	1.55	1.48	
3.49	3.87	-17.65				32.00	0.68	1.33	23.48		5.74	1.92	1.57	
3.87	4.05	-16.36				46.16	1.38	1.82	33.90		3.94	2.25	1.36	
4.05	4.13	-15.32		8.00	5.32	38.96	1.44	1.49	26.40		5.13	1.93	1.44	I
4.13	4.21	-15.17		11.10	5.46	47.72	2.63	6.70	40.21		7.22	6.42	4.89	F
4.21	4.29	-15.43	-16.02	9.70	5.46	42.07	2.15	4.93	30.77		8.74	4.60	4.83	F
4.29	4.37	-16.81		9.90	5.21	42.24	1.43	2.03	21.82		15.70	2.12	1.28	I
4.37	4.45	-18.13		5.70	5.58	22.57	0.68	0.83	15.63		5.15	1.02	0.00	I
4.45	4.53	-16.32		8.80	5.58	37.93	1.30	4.98	27.92		9.62	4.99	3.97	F
4.53	4.85	-15.74		8.20	5.54	26.06	1.03	3.06	17.78		7.78	3.15	3.02	I
4.85	5.21	-15.79	-16.95			44.92	1.22	2.32	29.51		11.15	2.54	1.52	
5.21	5.72	-18.78				49.58	1.43	4.82	38.16		11.61	5.69	0.00	F
5.72	5.94	-15.71				17.30	0.39	0.90	6.38		9.80	0.72	0.00	I
5.94	6.04	-14.68		3.70	5.64	10.85	0.22	0.53	3.17		6.77	0.48	0.53	I
6.04	6.15	-16.05		9.50	5.35	45.21	1.33	4.96	27.90		9.22	5.49	0.00	I
6.15	6.26	-15.73		16.40	5.19	75.32	2.74	8.96	51.45		7.88	8.39	3.13	I
6.26	6.38	-15.89		38.00	5.28	259.55	1.78	2.25	20.45		245.34	1.92	0.00	I
6.38	6.51	-16.44	-15.99	20.65	5.26	124.77	1.86	3.16	24.04		103.39	2.26	1.90	I
6.51	6.63	-15.05		42.20	5.52	309.41	0.39	0.00	5.19		328.79	2.89	0.00	I
6.63	6.73	-16.04		23.30	5.46	118.05	1.51	4.17	15.20		109.50	5.32	2.07	I+F
6.73	6.84	-15.54		34.00	5.38	185.81	1.65	4.72	37.42		148.02	5.60	3.31	F
6.84	6.94	-15.63		19.40	5.24	124.53	1.70	3.94	52.93		57.89	4.90	2.86	F
6.94	7.04	-16.31		25.00	5.30	110.07	1.60	3.03	31.57		75.15	4.14	1.87	I
7.04	7.14	-17.30		11.90	5.36	72.75	1.25	3.07	21.67		52.42	3.22	0.00	I
7.14	7.25	-17.69	-16.93	12.00	5.26	72.21	1.49	1.17	32.75		31.86	1.46	1.16	I
7.25	7.36	-17.76		16.30	5.51	103.60	1.52	1.98	28.68		81.98	1.79	0.91	I
7.36	7.47	-16.66		42.30	5.38	194.99	1.91	4.58	60.02		133.89	3.51	4.11	F
7.47	7.58	-17.84		23.20	5.22	122.63	2.73	7.45	81.02		31.04	8.57	3.54	I
7.58	7.68	-16.19		9.90	5.45	51.48	0.90	1.75	9.79		47.46	1.58	0.71	I
7.68	7.79	-16.70		13.60	5.26	50.70	2.20	3.59	19.96		29.06	2.58	1.14	I
7.79	8.13	-16.50				30.72	1.64	2.40	13.28		19.20	1.72	0.90	I
8.13	8.41	-15.83	-16.12			36.06	0.43	1.30	12.40		22.21	0.00	1.05	F
8.41	8.81	-16.54				36.96	1.48	3.86	14.72		17.54	2.29	0.57	I
8.81	9.14	-15.86				22.17	0.82	2.34	11.69		9.81	2.06	0.00	I
9.14	9.25	-16.22		19.20	5.19	94.41	1.84	4.24	25.80		70.24	3.53	1.49	I
9.25	9.67	-16.77	-16.34			24.98	0.83	1.73	10.91		11.37	1.44	0.00	I
9.67	9.77	-15.53		9.50	5.38	38.96	1.89	5.08	21.74		5.72	3.78	0.00	F
9.77	10.17	-16.13				18.76	0.93	1.75	8.20		8.25	1.03	0.40	I
10.17	10.59	-17.01	-16.78			15.51	1.03	2.00	9.22		4.96	0.86	0.00	
10.59	10.90	-16.47				26.30	1.04	2.36	17.72		5.78	1.48	0.75	I
10.90	11.00	-17.11		7.50	5.16	36.16	2.63	4.26	21.02		10.31	2.65	1.32	I
11.00	11.10	-16.44		4.10	5.37	19.79	1.15	3.14	11.66		5.01	2.04	0.67	I
11.10	11.20	-16.82		7.70	5.12	33.91	2.13	3.68	23.55		2.65	2.57	0.87	I
11.20	11.44	-16.30				37.26	2.27	3.13	16.04		16.71	2.14	0.92	I
11.44	11.57	-15.05	-15.23	5.30	5.16	20.66	2.62	2.77	10.95		4.65	1.38	0.00	I
11.57	11.91	-14.28				25.91	2.00	3.46	17.43		6.02	2.48	0.76	F

Vestfonna in May - Jun., 1995: Ice Core Data Sheet

Top (m)	Bottom (m)	$\delta^{18}O$ ‰	mix ‰	Cond. $\mu S/cm$	pH	Cl ⁻ $\mu mol/L$	NO ₃ ⁻ $\mu mol/L$	SO ₄ ²⁻ $\mu mol/L$	Na ⁺ $\mu mol/L$	NH ₄ ⁺ $\mu mol/L$	K ⁺ $\mu mol/L$	Mg ²⁺ $\mu mol/L$	Ca ²⁺ $\mu mol/L$	Comments
11.91	12.02	-14.68		9.50	5.13	41.37	1.56	4.33	25.44		6.85	3.20	1.05	F
12.02	12.12	-15.22		9.10	5.08	32.23	2.08	5.56	21.60		2.37	4.20	1.07	F+
12.12	12.22	-15.84		16.70	4.87	59.89	3.69	12.65	42.79		3.09	7.49	2.75	I
12.22	12.32	-16.23		12.80	4.85	39.02	3.86	8.43	26.40		1.48	3.60	2.34	I
12.32	12.42	-16.04		10.70	4.86	37.91	2.77	4.59	24.45		3.06	2.30	0.00	I
12.42	12.51	-15.68		5.90	5.16	17.57	1.85	2.63	12.34		1.61	1.14	0.00	I
12.51	12.62	-16.23		7.50	5.08	20.55	2.31	3.83	14.42		1.42	1.80	0.58	I
12.62	12.72	-15.77	-16.06	6.50	5.23	24.22	1.16	2.97	16.49		3.45	2.28	1.60	I
12.72	12.82	-16.43		8.60	5.19	35.49	1.94	5.08	26.97		2.46	3.87	1.05	I
12.82	12.93	-15.97		8.00	5.21	31.66	1.80	4.19	23.56		2.25	3.42	1.09	I
12.93	13.03	-16.21		8.20	5.23	39.22	1.76	4.01	27.65		5.82	3.00	0.00	I
13.03	13.13	-16.23		6.00	5.39	23.64	1.34	3.84	18.39		1.99	2.73	1.08	I
13.13	13.53	-16.13	-16.90			23.34	1.28	5.72	18.93		3.07	4.11	1.04	I
13.53	14.12	-17.43				27.95	0.81	3.88	17.69		5.15	3.72	1.20	I
14.12	14.53	-17.58				55.23	1.15	3.82	41.17		3.05	3.89	1.61	I
14.53	14.63	-17.17	-17.66	11.80	5.14	60.67	1.31	2.92	44.99		7.16	2.22	2.16	I
14.63	15.23	-17.80				22.02	1.57	4.05	15.25		2.43	3.44	1.12	I
15.23	15.33			7.60	5.42									
15.33	15.98		-17.17											
15.98	16.50	-16.95				21.90	0.91	2.06	13.53		6.48	1.35	0.68	
16.50	16.89	-16.44				18.87	0.66	0.91	12.64		3.03	0.59	0.55	
16.89	17.00			10.40	5.19									
17.00	17.11		-16.53	16.10	4.95									
17.11	17.22			14.20	5.02									
17.22	17.33			14.60	5.23									
17.33	17.74	-17.01				41.35	1.42	5.94	31.14		5.17	5.16	1.46	
17.74	18.16	-17.06	-16.53			29.07	1.13	3.88	21.20		2.70	2.47	1.41	
18.16	18.56	-15.48				40.53	1.14	2.22	34.43		3.22	1.37	1.23	
18.56	19.05	-16.10				24.51	0.72	1.62	18.02		2.35	0.72	1.21	
19.05	19.15			3.60	5.71									
19.15	19.25		-16.18	4.40	5.72									
19.25	19.36	-15.92		3.90	5.56	19.98	0.68	2.11	14.38		2.91	1.23	1.04	
19.36	19.47			8.60	5.48									
19.47	19.58			12.30	5.41									
19.58	19.68			6.90	5.41									
19.68	19.78			5.50	5.56									
19.78	20.20	-15.86	-17.45			42.99	1.09	4.87	34.32		1.45	4.95	1.13	
20.20	20.31			14.30	5.08			6.81						
20.31	20.42	-16.72		15.20	5.05	86.03	1.67	6.81	60.05		2.21	6.82	1.71	
20.42	20.97	-15.62	-15.51			37.58	0.50	1.10	24.99		1.11	0.91	0.43	
20.97	21.31	-15.94				37.62	0.78	1.40	30.11		1.38	1.13	0.57	
21.31	21.78	-15.98	-16.19			53.55	0.94	1.84	44.37		1.62	1.52	0.71	
21.78	22.23													
22.23	22.67	-16.47	-16.52			23.87	0.44	1.02	16.71		1.02	0.73	0.40	
22.67	23.10	-16.81				13.91	0.35	0.89	9.69		1.03	0.57	0.33	
23.10	23.36	-17.09				29.68	1.13	3.19	19.96		1.17	2.16	0.85	
23.36	24.65		-16.27											
24.65	24.07	-16.37				60.75	0.80	1.59	47.38		1.44	1.27	0.71	
24.07	24.50	-16.48				23.44	0.51	2.07	15.46		1.35	1.86	0.54	
24.50	24.79													
24.79	25.31	-16.46	-16.21			16.42	0.27	0.57	12.25		0.67	0.47	0.30	
25.31	25.42	-16.36		3.70	5.61	18.87	0.60	1.66	14.12		0.67	1.19	0.52	
25.42	25.53			10.80	5.45									
25.53	25.64			6.00	5.50									
25.64	25.74			9.50	5.44									
25.74	25.85	-16.02		4.30	5.59	28.03	0.41	0.74	20.59		1.96	0.65	0.44	
25.85	25.98		-15.97	8.70	5.55									
25.98	26.11			8.70	5.40									
26.11	26.24			10.80	5.46									
26.24	26.35			10.90	5.42									
26.35	26.46			11.60	5.45									
26.46	26.57			10.10	5.43									
26.57	26.68			6.30	5.46									
26.68	26.80			6.00	5.72									
26.80	26.93			6.10	5.61									

Vestfonna in May - Jun., 1995: Ice Core Data Sheet

Top (m)	Bottom (m)	$\delta^{18}O$ ‰	mix ‰	Cond. $\mu S/cm$	pH	Cl ⁻ $\mu mol/L$	NO ₃ ⁻ $\mu mol/L$	SO ₄ ²⁻ $\mu mol/L$	Na ⁺ $\mu mol/L$	NH ₄ ⁺ $\mu mol/L$	K ⁺ $\mu mol/L$	Mg ²⁺ $\mu mol/L$	Ca ²⁺ $\mu mol/L$	Comments
26.93	27.05			6.30	5.69									
27.05	27.18			6.40	5.58									
27.18	27.31			6.00	5.64									
27.31	27.43			5.40	5.78									
27.43	27.53			7.10	5.33									
27.53	27.64			4.50	5.47									
27.64	27.74			5.40	5.57									
27.74	27.84			7.00	5.58									
27.84	27.95			13.10	5.24									
27.95	28.05			8.40	5.39									
28.05	28.16			3.80	5.67									
28.16	28.27	-15.99		3.90	5.66	17.44	0.41	3.65	14.16		0.63	3.12	0.74	
28.27	28.40			6.90	5.47									
28.40	28.53			5.70	5.49									
28.53	28.65			4.50	5.69									
28.65	28.78	-16.23	-16.34	2.90	5.71	14.64	0.25	1.22	9.99		0.70	1.21	0.53	
28.78	28.91			4.50	5.69									
28.91	29.04			7.50	5.61									
29.04	29.16			6.30	5.64									
29.16	29.29			4.80	5.71									
29.29	29.41	-16.22		4.60	5.69	28.01	0.70	3.25	18.97		1.03	3.40	1.03	
29.41	29.53			4.70	5.61									
29.53	29.64		-16.01	3.80	5.64									
29.64	29.76	-16.05		4.40	5.64	30.20	0.29	1.36	21.41		0.80	1.33	0.70	
29.76	29.88			8.00	5.71									
29.88	30.00			4.90	5.70									
30.00	30.13			4.70	5.68									
30.13	30.26	-16.17		4.60	5.65	33.14	0.34	1.17	23.65		1.48	1.39	0.56	
30.26	30.39			5.30	5.65									
30.39	30.53			6.90	5.64									
30.53	30.66			5.90	5.66									
30.66	30.78	-16.16	-15.95	6.80	5.73	47.30	0.61	1.71	39.65		1.20	1.87	0.84	
30.78	30.90			7.20	5.67									
30.90	31.01			5.40	5.66									
31.01	31.15	-15.96		4.40	5.73	29.66	0.61	2.18	21.89		0.99	1.77	1.24	
31.15	31.28			2.90	5.63									
31.28	31.41			4.50	5.57									
31.41	31.55			9.80	5.61									
31.55	31.68			9.50	5.63									
31.68	31.82	-16.40		7.90	5.70	53.02	0.72	2.89	41.13		1.73	3.95	1.39	
31.82	31.95			7.10	5.65									
31.95	32.08			7.20	5.68									
32.08	32.22			8.70	5.75									
32.22	32.33	-15.86		5.70	5.79	27.43	0.75	4.04	16.80		0.88	4.52	2.08	
32.33	32.45			5.50	5.95									
32.45	32.56			4.30	5.81									
32.56	32.69			4.60	5.76									
32.69	32.82	-15.81		8.40	5.61	47.81	0.61	1.37	39.73		1.32	1.63	0.83	
32.82	32.95			5.40	5.70									
32.95	33.08		-16.43	4.60	5.78									
33.08	33.21			4.20	5.78									
33.21	33.34			3.40	5.91									
33.34	33.45			3.40	5.74									
33.45	33.55	-16.92		5.60	5.89	32.03	1.27	2.35	33.38		1.62	1.68	1.23	
33.55	33.66			6.30	5.61									
33.66	33.76			6.40	5.66									
33.76	33.87	-17.05		5.70	5.59	34.63	0.82	2.59	26.61		1.13	2.14	1.47	
33.87	33.98		-16.54	4.60	5.61									
33.98	34.09			4.30	5.72									
34.09	34.19			3.70	5.74									
34.19	34.30	-15.80		4.70	5.56	29.83	0.33	0.96	24.04		1.19	1.02	0.69	
34.30	34.41			6.50	5.69									
34.41	34.54			5.90	5.67									
34.54	34.66			3.40	5.69									
34.66	34.79	-16.69		4.70	5.52	25.44	0.61	1.96	18.61		1.18	2.10	1.00	

Vestfonna in May - Jun., 1995: Ice Core Data Sheet

Top (m)	Bottom (m)	$\delta^{18}O$ ‰	mix ‰	Cond. $\mu S/cm$	pH	Cl ⁻ $\mu mol/L$	NO ₃ ⁻ $\mu mol/L$	SO ₄ ²⁻ $\mu mol/L$	Na ⁺ $\mu mol/L$	NH ₄ ⁺ $\mu mol/L$	K ⁺ $\mu mol/L$	Mg ²⁺ $\mu mol/L$	Ca ²⁺ $\mu mol/L$	Comments	
34.79	34.93		-16.61	6.50	5.49										
34.93	35.07			5.90	5.46										
35.07	35.21			3.40	5.53										
35.21	35.33	-17.56		5.30	5.59	34.05	0.61	1.19	28.54		1.41	1.00	0.86		
35.33	35.45			5.40	5.47										
35.45	35.56			3.20	5.54										
35.56	35.69			5.10	5.55										
35.69	35.82	-17.12	-16.74	7.10	5.45	44.64	0.55	2.10	35.84		1.45	2.41	1.20		
35.82	35.95			17.10	5.59										
35.95	36.10			12.00	5.50										
36.10	36.25			4.80	5.50										
36.25	36.40			7.30	5.65										
36.40	36.50	-15.99		4.10	5.50	21.52	0.61	1.80	16.24		0.80	1.85	1.20		
36.50	36.59			10.90	5.57										
36.59	36.68			8.00	5.53										
36.68	36.78			2.80	5.54										
36.78	36.86	-16.91	-17.44	4.40	5.44	26.95	0.43	1.36	20.80		0.79	1.60	0.73		
36.86	36.94			5.60	5.54										
36.94	37.03			4.90	5.48										
37.03	37.11			4.30	5.55										
37.11	37.30	-18.68		6.80	5.55	47.62	0.44	1.21	41.31		1.31	1.15	1.09		
37.30	37.49			10.20	5.58										
37.49	37.65			13.20	5.61										
37.65	37.80	-17.11	-18.17	5.70	5.40	32.96	0.61	2.75	23.14		1.30	2.35	1.97		
37.80	37.95			5.70	5.54										
37.95	38.06			5.00	5.59										
38.06	38.18			7.50	5.53										
38.18	38.29	-18.52		8.00	5.55	47.45	1.54	4.34	38.56		1.44	4.27	1.84		
38.29	38.41			6.80	5.48										
38.41	38.55			5.90	5.53										
38.55	38.69			4.50	5.57										
38.69	38.83	-20.08	-17.97	3.00	5.63	15.93	0.53	0.71	13.15		0.56	0.52	0.53		
38.83	38.97			1.40	5.67										
38.97	39.11			2.60	5.59										
39.11	39.19			7.60	5.49										
39.19	39.32			6.00	5.59										
39.32	39.45	-17.69		3.40	5.68	15.82	0.00	1.54	17.11		1.05	1.52	1.16		
39.45	39.59			3.50	5.51										
39.59	39.71			3.80	5.56										
39.71	39.84	-18.87	-17.69	4.80	5.58	29.15	0.67	1.48	21.97		0.73	1.24	0.81		
39.84	39.97			5.40	5.57										
39.97	40.09			7.00	5.90										
40.09	40.22			4.60	5.73										
40.22	40.35	-17.61		3.00	5.63	19.13	0.49	0.62	15.71		0.72	0.56	0.46		
40.35	40.48			8.10	5.62										
40.48	40.61			5.90	5.57										
40.61	40.74			7.20	5.52										
40.74	40.85	-18.26	-17.82	7.00	5.51	37.77	0.59	3.67	30.33		1.36	2.75	2.48		
40.85	40.97			7.50	5.51										
40.97	41.09			4.30	5.58										
41.09	41.22			7.40	5.49										
41.22	41.35	-18.32		6.80	5.51	35.40	0.44	5.03	29.34		1.09	4.66	2.24		
41.35	41.48			3.70	5.56										
41.48	41.59			2.20	5.63										
41.59	41.69			3.10	5.69										
41.69	41.80			3.90	5.80										
41.80	41.91	-18.06	-18.39	3.20	5.60	17.87	0.34	0.75	14.90		0.64	0.62	0.55		
41.91	42.06			2.90	5.66										
42.06	42.22			5.80	5.70										
42.22	42.37	-18.88		4.00	5.53	15.64	0.65	3.26	10.40		0.83	3.11	1.31		
42.37	42.51			5.50	5.56										
42.51	42.65			4.70	5.74										
42.65	42.79	-18.33	-18.08	4.70	5.71	24.72	1.50	3.17	20.48		1.52	2.73	1.74		
42.79	42.95			3.40	5.80										
42.95	43.10			3.20	5.65										

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Top (m)	Bottom (m)	$\delta^{18}O$ ‰	mix ‰	Cond. $\mu S/cm$	pH	Cl ⁻ $\mu mol/L$	NO ₃ ⁻ $\mu mol/L$	SO ₄ ²⁻ $\mu mol/L$	Na ⁺ $\mu mol/L$	NH ₄ ⁺ $\mu mol/L$	K ⁺ $\mu mol/L$	Mg ²⁺ $\mu mol/L$	Ca ²⁺ $\mu mol/L$	Comments
43.10	43.25			3.70	5.77									
43.25	43.38	-17.54		4.80	5.63	29.89	1.02	1.13	24.46		1.57	0.83	0.83	
43.38	43.52			5.50	5.63									
43.52	43.65			7.90	5.60									
43.65	43.78	-19.07		7.40	5.51	45.84	0.65	1.95	38.57		1.40	2.22	1.21	
43.78	43.92			8.90	5.61									
43.92	44.06			8.40	5.70									
44.06	44.17			12.40	6.40									
44.17	44.28			8.50	5.68									
44.28	44.39	-18.32		7.20	5.62	45.09	1.30	2.14	38.52		1.09	2.25	1.24	
44.39	44.52			6.50	5.56									
44.52	44.64			10.80	5.56									
44.64	44.77			5.40	5.49									
44.77	44.90	-19.87		6.50	5.63	44.01	0.98	1.00	39.91		0.96	1.08	0.78	
44.90	45.04			4.50	5.89									
45.04	45.17			2.90	5.66									
45.17	45.31			3.50	5.73									
45.31	45.46	-16.93		6.00	5.61	34.94	1.03	3.03	27.56		1.18	3.66	1.70	
45.46	45.60			10.40	5.60									
45.60	45.73			7.40	5.55									
45.73	45.85			7.10	5.61									
45.85	45.98	-18.38		8.70	5.61	57.67	1.55	3.98	47.77		1.39	4.85	2.08	
45.98	46.11			4.40	5.57									
46.11	46.25			15.20	5.59									
46.25	46.38			6.00	5.51									
46.38	46.52			4.20	5.58	23.91	0.69	2.02	18.07		0.69	1.96	0.96	
46.52	46.66			6.20	5.57									
46.66	46.81			4.20	5.58									
46.81	46.94			4.90	5.64	31.77	0.65	1.09	24.76		0.59	1.70	0.63	
46.94	47.07			4.40	5.66									
47.07	47.20			3.10	5.52									
47.20	47.33			3.10	5.46									
47.33	47.45			8.00	5.38	56.85	0.82	1.63	47.87		1.36	1.91	1.23	
47.45	47.57			3.00	5.72									
47.57	47.71			3.50	5.72									
47.71	47.84			5.40	5.62									
47.84	47.97			17.00	5.74	137.48	1.78	6.38	102.23		2.88	8.44	3.19	
47.97	48.11			11.10	5.78									
48.11	48.24			7.30	5.66									
48.24	48.38			11.40	5.59	81.87	2.46	5.57	65.20		1.84	5.05	2.50	
48.38	48.49			5.00	5.59									
48.49	48.60			3.40	5.68									
48.60	48.71			3.20	5.96									
48.71	48.83			5.90	5.98	37.70	2.01	2.15	39.40		0.93	1.56	1.14	
48.83	48.94			8.60	5.94									
48.94	49.05			7.10	5.81									
49.05	49.16			5.30	5.82									
49.16	49.29			6.90	5.67	44.25	0.88	3.02	36.48		1.23	3.62	1.68	
49.29	49.41			6.90	5.58									
49.41	49.53			3.30	5.76									
49.53	49.67			1.80	5.86	7.64	0.44	0.33	8.97		0.36	0.41	0.28	
49.67	49.81			3.00	5.88									
49.81	49.95			2.80	5.83									
49.95	50.10			3.00	5.71									
50.10	50.25			4.60	5.61									
50.25	50.40			4.90	5.72	30.49	0.60	1.22	25.00		0.79	1.55	0.71	
50.40	50.42			5.30	5.68									
50.42	50.44			5.80	5.73									
50.44	50.46			5.20	5.69	31.20	0.81	1.20	26.71		1.07	1.61	0.73	
50.46	50.69			3.30	5.60									
50.69	50.93			4.30	5.69									
50.93	51.17			5.70	5.69									
51.17	51.31			7.00	5.83	45.34	1.28	1.99	40.27		1.31	2.39	1.20	
51.31	51.45			4.20	5.64									
51.45	51.59			6.00	5.68									

Vestfonna in May - Jun., 1995: Ice Core Data Sheet

Top (m)	Bottom (m)	$\delta^{18}O$ ‰	mix ‰	Cond. $\mu S/cm$	pH	Cl ⁻ $\mu mol/L$	NO ₃ ⁻ $\mu mol/L$	SO ₄ ²⁻ $\mu mol/L$	Na ⁺ $\mu mol/L$	NH ₄ ⁺ $\mu mol/L$	K ⁺ $\mu mol/L$	Mg ²⁺ $\mu mol/L$	Ca ²⁺ $\mu mol/L$	Comments
51.59	51.73			2.40	5.69									
51.73	51.87			3.90	5.73	23.62	0.51	0.85	20.73		0.55	0.77	1.11	
51.87	52.01			3.30	5.57									
52.01	52.14		-19.22	3.30	5.57									
52.14	52.27			2.60	5.67									
52.27	52.40			2.20	5.71	9.17	0.40	0.35	8.13		0.29	0.48	0.36	
52.40	52.53			2.40	5.76									
52.53	52.65			2.50	5.72									
52.65	52.78			4.80	5.70									
52.78	52.92			4.70	5.66	28.86	0.64	1.36	22.43		0.70	1.61	0.88	
52.92	53.06		-18.44	3.10	5.65									
53.06	53.19			3.80	5.72									
53.19	53.31			3.50	5.63				15.40		0.47	0.62	0.50	
53.31	53.42			5.70	5.60									
53.42	53.54			8.10	5.54									
53.54	53.65			2.40	5.75									
53.65	53.77			5.00	5.71									
53.77	53.89			6.70	5.69	48.85	0.70	0.88	41.39		0.93	0.86	0.84	
53.89	54.01		-17.95	8.40	5.58									
54.01	54.14			6.20	5.64									
54.14	54.27			6.00	5.62									
54.27	54.40			6.00	5.71									
54.40	54.54			6.40	5.71	43.22	0.79	1.70	36.03		1.00	1.81	1.63	
54.54	54.68			4.40	5.59									
54.68	54.82			5.50	5.71									
54.82	54.94			3.20	5.80									
54.94	55.07			4.20	5.77	15.62	0.37	0.64	13.25		0.47	0.65	0.70	
55.07	55.20		-18.11	2.90	5.87									
55.20	55.32			4.90	5.80	33.11	0.56	2.39	24.22		0.75	1.77	1.88	
55.32	55.43			4.10	5.78									
55.43	55.55			4.90	5.68									
55.55	55.67			8.90	5.76									
55.67	55.81			7.70	5.79	53.02	0.25	3.20	41.90		1.10	0.11	2.20	
55.81	55.95			5.00	5.78									
55.95	56.08			4.60	5.74									
56.08	56.19		-18.76	7.30	5.70									
56.19	56.30			5.00	5.77	32.89	0.00	1.99	25.64		0.89	1.60	2.19	
56.30	56.41			4.90	5.66									
56.41	56.53			7.50	5.68									
56.53	56.65			6.90	5.72									
56.65	56.77			6.70	5.75	43.55	1.01	4.61	34.00		0.98	4.07	1.63	
56.77	56.90			6.60	5.66									
56.90	57.03		-18.38	4.70	5.76									
57.03	57.16			2.50	5.73									
57.16	57.29			3.30	5.77	19.59	0.60	1.07	15.37		0.48	1.27	1.63	
57.29	57.41			3.30	5.77									
57.41	57.53			4.80	5.73									
57.53	57.65			5.60	5.77									
57.65	57.76			5.50	5.70									
57.76	57.86			17.30	5.52	121.48	6.23	10.52	83.37		2.34	10.14	7.58	
57.86	57.97		-18.96	13.90	5.62									
57.97	58.07			4.60	5.61									
58.07	58.21			5.60	5.83	36.23	2.61	0.97	30.35		0.82	1.51	2.25	
58.21	58.35			5.60	5.72									
58.35	58.50			4.50	5.65									
58.50	58.63			2.70	5.84									
58.63	58.76			5.00	5.73									
58.76	58.89			8.10	5.45	56.18	0.95	3.75	45.80		1.18	3.11	3.19	
58.89	59.02		-18.32	5.00	5.59									
59.02	59.15			2.80	5.77									
59.15	59.27			2.10	5.67	10.00	0.25	0.67	7.74		0.33	0.67	0.68	
59.27	59.41			3.30	5.73									
59.41	59.55			7.80	5.68									
59.55	59.69			4.50	5.65	31.10	0.67	1.86	21.19		1.76	2.42	1.44	
59.69	59.83			3.00	5.75									

Vestfonna in May - Jun., 1995: Ice Core Data Sheet

Top (m)	Bottom (m)	δ18O ‰	mix ‰	Cond. μS/cm	pH	Cl ⁻ μmol/L	NO ₃ ⁻ μmol/L	SO ₄ ²⁻ μmol/L	Na ⁺ μmol/L	NH ₄ ⁺ μmol/L	K ⁺ μmol/L	Mg ²⁺ μmol/L	Ca ²⁺ μmol/L	Comments
59.83	59.96		-17.66	8.50	5.75									
59.96	60.10			5.20	5.78									
60.10	60.23			4.90	5.76									
60.23	60.35			13.10	5.67	89.55	1.77	7.20	67.69		1.76	8.55	4.43	
60.35	60.48			7.80	5.66									
60.48	60.61			10.00	5.72									
60.61	60.73		-20.38	10.60	5.71									
60.73	60.86			6.30	5.74	43.63	0.63	1.49	35.85		0.91	2.46	0.95	
60.86	61.00			6.70	5.81									
61.00	61.14			6.40	5.66									
61.14	61.28			5.80	5.18									
61.28	61.42			3.80	5.35									
61.42	61.56			2.90	5.35	1.55	0.70	1.46	11.22		0.48	2.01	0.92	
61.56	61.71			3.80	5.37									
61.71	61.78			3.40	5.28									
61.78	61.91			2.50	5.49	11.49	1.03	1.06	10.07		0.58	1.30	0.79	
61.91	62.04		-18.63	2.40	5.53									
62.04	62.16			3.60	5.55									
62.16	62.32			11.30	5.44	83.80	1.17	3.60	65.83		1.98	3.30	3.44	
62.32	62.47			3.60	5.56									
62.47	62.63			8.00	5.50									
62.63	62.76			10.20	5.56									
62.76	62.90		-17.05	3.80	5.50	21.63	0.54	1.69	16.34		0.50	1.76	0.79	
62.90	63.03			5.70	5.45									
63.03	63.15			3.10	5.48	17.40	0.61	1.10	13.39		0.42	0.98	0.49	
63.15	63.26			2.50	5.55									
63.26	63.37			3.00	5.64									
63.37	63.48			2.80	5.54									
63.48	63.62		-17.14	4.30	5.60	28.46	0.72	1.89	14.54		0.46	0.72	0.44	
63.62	63.76			2.10	5.54									
63.76	63.90			6.40	5.66									
63.90	64.04			4.50	5.49									
64.04	64.18			3.20	5.60	18.31	0.66	0.60	20.95		0.65	2.03	0.93	
64.18	64.32			4.80	5.54									
64.32	64.47		-18.36	2.40	5.64									
64.47	64.61			2.00	5.47									
64.61	64.76			17.30	5.43	122.13	2.62	7.91	95.02		2.56	9.65	4.11	
64.76	64.91			12.30	5.46									
64.91	65.06			15.50	5.43									
65.06	65.21			7.90	5.55									
65.21	65.34		-18.18	2.30	5.63	31.49	0.37	1.50	24.04		0.53	2.09	0.78	
65.34	65.47			2.80	5.65									
65.47	65.61			4.50	5.66									
65.61	65.74			4.40	5.69									
65.74	65.88			5.40	5.60	30.32	0.74	2.94	24.56		0.75	3.59	1.61	
65.88	66.02			8.70	5.62									
66.02	66.16		-19.10	4.80	5.69									
66.16	66.29			3.20	5.66	18.16	0.48	1.03	14.17		0.43	1.15	0.65	
66.29	66.43			6.10	5.64									
66.43	66.58			4.20	5.62									
66.58	66.74			2.00	5.61	10.27	0.31	0.48	8.16		0.40	0.72	0.37	
66.74	66.89			3.30	5.57									
66.89	67.05		-18.75	2.90	5.58									
67.05	67.20			11.00	5.70									
67.20	67.36			6.00	5.68	37.82	0.87	1.79	33.72		0.92	1.98	1.10	
67.36	67.51			5.10	5.63									
67.51	67.66			14.20	5.66									
67.66	67.81			9.80	5.54									
67.81	67.94		-18.75	12.40	5.74									
67.94	68.07			7.60	5.62	48.10	1.50	3.22	38.96		1.16	4.86	1.75	
68.07	68.20			3.00	5.69									
68.20	68.33			4.50	5.66	30.03	0.77	1.83	22.41		0.54	2.58	1.20	
68.33	68.47			6.60	5.61									
68.47	68.60			5.80	5.67									
68.60	68.75			9.20	5.58									

Vestfonna in May - Jun., 1995: Ice Core Data Sheet

Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	mix ‰	Cond. $\mu\text{S/cm}$	pH	Cl ⁻ $\mu\text{mol/L}$	NO ₃ ⁻ $\mu\text{mol/L}$	SO ₄ ²⁻ $\mu\text{mol/L}$	Na ⁺ $\mu\text{mol/L}$	NH ₄ ⁺ $\mu\text{mol/L}$	K ⁺ $\mu\text{mol/L}$	Mg ²⁺ $\mu\text{mol/L}$	Ca ²⁺ $\mu\text{mol/L}$	Comments
68.75	68.90			6.50	5.61									
68.90	69.05		-20.47	5.50	5.64	30.16	1.03	3.15	25.60		0.76	3.32	1.94	
69.05	69.17			7.10	5.61									
69.17	69.28			5.30	5.63	30.32	0.68	2.13	25.32		0.81	2.90	1.21	
69.28	69.40			7.60	5.72									
69.40	69.51			4.00	5.67									
69.51	69.63			2.30	5.59									
69.63	69.74			8.20	5.74	45.68	1.36	0.31	36.74		0.96	6.00	3.51	
69.74	69.86			8.60	5.59									
69.86	69.98			8.30	5.58									
69.98	70.09		-19.29	5.40	5.57									
70.09	70.21			6.30	5.58									
70.21	70.33			3.90	5.51	12.79	1.27	3.68	8.95		0.37	4.05	0.91	
70.33	70.44			3.70	5.43									
70.44	70.58			7.20	5.53	42.02	0.78	3.22	34.15		1.02	4.78	1.30	
70.58	70.72			5.80	5.58									
70.72	70.86			2.40	5.49									
70.86	70.98			4.70	5.58									
70.98	71.10		-18.46	5.50	5.62									
71.10	71.22			5.50	5.63									
71.22	71.36			2.60	5.60	7.02	0.73	2.88	3.84		0.40	3.47	0.49	
71.36	71.50			4.20	5.69									
71.50	71.65			9.40	5.69									
71.65	71.79			2.10	5.70	7.88	0.35	0.57	5.02		0.36	1.33	0.56	
71.79	71.93			1.10	5.68									
71.93	72.07		-18.41	2.20	5.63									
72.07	72.23			2.70	5.80									
72.23	72.38			3.40	5.79	22.02	0.35	0.63	20.70		0.43	0.61	0.68	
72.38	72.54			3.30	5.78									
72.54	72.69			6.40	5.79									
72.69	72.85			7.80	5.71	55.04	0.56	1.79	48.04		1.24	3.15	1.01	
72.85	73.01			8.90	5.81									
73.01	73.15		-17.87	1.80	5.77									
73.15	73.28			2.10	5.76	10.32	0.35	0.92	8.33		0.39	1.60	0.62	
73.28	73.42			2.10	5.78									
73.42	73.58			2.10	5.75									
73.58	73.74			5.80	5.73									
73.74	73.91			3.60	5.78	24.39	0.73	1.17	16.57		0.56	1.81	0.66	
73.91	74.05			5.70	5.73									
74.05	74.19		-18.46	5.80	5.68									
74.19	74.33			5.10	5.84									
74.33	74.49			4.00	5.67	27.57	0.74	1.45	16.86		0.60	2.33	0.64	
74.49	74.64			7.20	5.66									
74.64	74.80			5.30	5.68	28.55	0.72	2.87	22.07		0.60	3.28	1.47	
74.80	74.94			3.90	5.77									
74.94	75.08			4.10	5.81									
75.08	75.23			2.90	5.71									
75.23	75.34		-17.83	6.90	5.71	43.62	0.69	3.11	33.77		0.83	3.50	1.45	
75.34	75.46			7.30	5.75									
75.46	75.57			8.60	5.77									
75.57	75.69			5.00	5.71									
75.69	75.83			2.90	5.75	17.43	0.52	1.10	13.02		0.49	1.27	0.48	
75.83	75.97			5.50	5.81									
75.97	76.11			6.50	5.28									
76.11	76.23		-18.46	4.70	5.42									
76.23	76.35			6.50	5.49									
76.35	76.47			9.70	5.38									
76.47	76.59			14.50	5.51									
76.59	76.70			1.90	5.64	7.07	0.17	0.91	7.06		0.18	0.89	0.29	
76.70	76.81			3.20	5.53									
76.81	76.92			11.90	5.52									
76.92	77.04			7.90	5.68	48.74	1.24	3.46	36.55		1.01	5.72	1.45	
77.04	77.15		-18.22	10.00	5.74									
77.15	77.26			12.10	5.70	83.77	1.60	5.69	62.21		1.67	7.01	3.16	
77.26	77.40			3.80	5.64									

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Top (m)	Bottom (m)	$\delta^{18}O$ ‰	mix ‰	Cond. $\mu S/cm$	pH	Cl ⁻ $\mu mol/L$	NO ₃ ⁻ $\mu mol/L$	SO ₄ ²⁻ $\mu mol/L$	Na ⁺ $\mu mol/L$	NH ₄ ⁺ $\mu mol/L$	K ⁺ $\mu mol/L$	Mg ²⁺ $\mu mol/L$	Ca ²⁺ $\mu mol/L$	Comments
77.40	77.54			2.20	5.60									
77.54	77.69			2.10	5.64	10.06	0.43	0.84	7.47		0.22	0.91	0.51	
77.69	77.82			3.50	5.59									
77.82	77.96			4.60	5.79									
77.96	78.09		-19.05	4.00	5.65									
78.09	78.24			3.90	5.67									
78.24	78.38			1.80	5.72	7.95	0.31	0.54	6.95		0.15	0.44	0.36	
78.38	78.52			2.80	5.75									
78.52	78.67			5.50	5.61									
78.67	78.82			6.70	5.77									
78.82	78.97			5.00	5.70	32.54	0.72	2.15	21.43		0.62	3.03	1.23	
78.97	79.11		-18.98	2.70	5.77									
79.11	79.26			6.20	5.79									
79.26	79.40			8.70	5.76	56.89	1.38	4.05	44.96		1.57	4.82	2.20	
79.40	79.55			2.90	5.89									
79.55	79.70			3.70	5.77									
79.70	79.85			3.80	5.77	25.11	0.54	1.78	16.73		0.40	2.83	0.77	
79.85	79.98			3.10	5.83									
79.98	80.12		-18.69	2.60	6.02	12.25	0.52	1.42	8.66		0.21	3.36	0.92	
80.12	80.26			2.20	5.78									
80.26	80.42			8.10	6.20									
80.42	80.58			3.90	5.72									
80.58	80.74			3.20	5.74									
80.74	80.89			1.30	5.81	4.48	0.39	0.27	5.56		0.14	0.33	0.20	
80.89	81.04			2.30	5.82									
81.04	81.19		-18.90	2.10	5.63									
81.19	81.33			2.40	5.67									
81.33	81.48			3.70	5.70	22.58	0.37	1.31	16.81		0.42	1.75	0.63	
81.48	81.62			4.90	5.79									
81.62	81.75			7.10	5.68									
81.75	81.89			10.50	5.59	68.45	1.13	5.56	52.15		1.47	6.06	2.68	
81.89	82.03		-19.68	2.90	5.64									
82.03	82.17			4.10	5.80									
82.17	82.32			4.60	5.77									
82.32	82.46			5.20	5.72	35.50	0.94	2.10	24.48		0.77	2.56	1.12	
82.46	82.61			4.80	5.73									
82.61	82.75			4.00	5.66									
82.75	82.89			5.70	5.72									
82.89	83.04		-18.86	9.70	5.70	72.52	0.96	2.92	53.84		1.73	4.17	1.69	
83.04	83.19			4.90	5.75									
83.19	83.34			9.50	5.82									
83.34	83.46			3.50	5.77	20.53	0.79	1.53	13.33		0.48	3.38	0.89	
83.46	83.59			2.30	5.80									
83.59	83.72			8.40	5.74									
83.72	83.85			4.40	5.55	25.04	1.04	1.91	17.24		0.70	2.65	1.15	
83.85	83.98		-19.49	1.80	5.38									
83.98	84.11			1.40	5.56									
84.11	84.25			2.60	5.53				9.77		0.36	0.87	0.55	
84.25	84.39			2.40	5.66	11.67	0.00	0.88						
84.39	84.54			2.10	5.77									
84.54	84.69			3.80	5.66									
84.69	84.84			4.00	5.53	22.05	0.95	2.02	16.27		0.48	1.84	0.91	
84.84	85.00		-19.49	2.30	5.49									
85.00	85.15			2.70	5.59									
85.15	85.30			3.40	5.65	17.16	0.78	1.48	12.87		0.74	1.43	0.64	
85.30	85.45			3.90	5.52									
85.45	85.60			3.20	5.48									
85.60	85.75			3.70	5.43									
85.75	85.91		-19.73	7.20	5.04	24.88	0.84	4.74	13.32		0.37	1.86	0.98	
85.91	86.06			9.30	4.82									
86.06	86.36			12.40	4.86									
86.36	86.50			14.60	4.60	25.60	1.03	19.85	22.05		0.70	2.39	0.98	
86.50	86.66			7.70	5.34									
86.66	86.70			19.50	4.49									
86.70	86.89			6.00	5.14	26.64	0.50	4.57	19.89		0.39	1.53	0.61	

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Top (m)	Bottom (m)	$\delta^{18}O$ ‰	mix ‰	Cond. $\mu S/cm$	pH	Cl ⁻ $\mu mol/L$	NO ₃ ⁻ $\mu mol/L$	SO ₄ ²⁻ $\mu mol/L$	Na ⁺ $\mu mol/L$	NH ₄ ⁺ $\mu mol/L$	K ⁺ $\mu mol/L$	Mg ²⁺ $\mu mol/L$	Ca ²⁺ $\mu mol/L$	Comments
86.89	87.07		-17.93	3.50	5.69									
87.07	87.26			4.30	5.65									
87.26	87.41			4.70	5.77									
87.41	87.57			4.70	5.73									
87.57	87.70			8.60	5.77									
87.70	87.83			8.90	5.77	61.54	0.79	3.15	48.04		1.22	4.66	1.34	
87.83	87.96			3.30	5.74									
87.96	88.07		-18.95	1.70	5.73	7.82	0.17	0.25	7.06		0.22	0.32	0.18	
88.07	88.19			2.60	5.75									
88.19	88.30			7.30	5.76									
88.30	88.42			4.70	5.71									
88.42	88.53			5.30	5.82									
88.53	88.65			5.80	5.74	38.08	0.99	1.50	30.49		0.64	2.18	0.98	
88.65	88.77			6.80	5.90									
88.77	88.89			8.70	5.90	60.54	1.12	5.88	46.22		1.22	5.23	1.59	
88.89	88.97			6.70	5.80									
88.97	89.05		-19.42	2.60	5.78									
89.05	89.13			2.80	5.83									
89.13	89.21			5.90	5.68	39.17	0.19	1.64	30.14		0.80	2.65	0.67	
89.21	89.29			2.00	5.65									
89.29	89.37			2.80	5.62									
89.37	89.51			2.50	5.66									
89.51	89.66			3.00	5.63	14.71	0.85	1.66	10.23		0.23	1.99	0.80	
89.66	89.81			3.60	5.56									
89.81	89.94		-18.67	1.60	5.65									
89.94	90.08			1.80	5.60									
90.08	90.21			4.60	5.60									
90.21	90.36			3.20	5.59									
90.36	90.52			3.70	5.68	19.42	0.86	2.34	14.17		0.29	1.65	1.71	
90.52	90.67			2.10	5.58									
90.67	90.81			7.00	5.49									
90.81	90.94		-18.91	3.50										
90.94	91.08			2.60		11.88	0.36	0.69	9.23		0.21	0.89	0.27	
91.08	91.21			6.90										
91.21	91.34			3.30										
91.34	91.48			5.80										
91.48	91.62			7.20		45.59	1.51	2.83	0.00		0.85	3.56	1.53	
91.62	91.76			6.40										
91.76	91.91			6.70		37.27	1.96	3.42	29.81		0.77	4.11	1.87	
91.91	92.05		-17.37	3.10										
92.05	92.19			3.50										
92.19	92.33			2.50		13.69	0.24	0.31	10.97		0.25	0.48	0.22	
92.33	92.45			2.70										
92.45	92.56			3.10										
92.56	92.68			3.80										
92.68	92.80			5.10		31.88	0.24	1.22	27.06		0.59	1.48	0.54	
92.80	92.94		-17.54	3.70										
92.94	93.08			6.70										
93.08	93.22			3.10										
93.22	93.37			5.10										
93.37	93.51			2.20		5.49	0.71	1.15	4.65		0.19	1.49	0.22	
93.51	93.65			4.90										
93.65	93.79			9.80										
93.79	93.93			6.20		36.80	0.25	3.57	30.16		0.65	4.33	1.49	
93.93	94.06		-18.05	7.50										
94.06	94.29			3.80										
94.29	94.52			5.00		29.38	0.49	1.04	24.37		0.61	2.33	0.95	
94.52	94.57			2.50										
94.57	94.71			6.10										
94.71	94.84			7.70										
94.84	94.98			2.70		14.92	0.47	0.75	0.01		0.43	1.03	0.36	
94.98	95.10		-17.69	4.90				0.00						
95.10	95.22			3.50		18.23	0.61	13.15	13.80		0.34	1.60	0.53	
95.22	95.35			7.60										
95.35	95.47			4.00										

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Top (m)	Bottom (m)	δ18O ‰	mix ‰	Cond. μS/cm	pH	Cl ⁻ μmol/L	NO ₃ ⁻ μmol/L	SO ₄ ²⁻ μmol/L	Na ⁺ μmol/L	NH ₄ ⁺ μmol/L	K ⁺ μmol/L	Mg ²⁺ μmol/L	Ca ²⁺ μmol/L	Comments
95.47	95.60			4.60										
95.60	95.74			2.60		12.11	0.41	0.68	10.77		0.28	0.73	0.32	
95.74	95.88		-17.23	2.60										
95.88	96.03			2.60										
96.03	96.18			8.60										
96.18	96.33			11.40		83.72	0.93	3.97	65.55		1.51	5.59	1.63	
96.33	96.47			4.60										
96.47	96.61			3.00										
96.61	96.75			3.30										
96.75	96.90		-18.83	3.20		19.71	0.30	0.82	15.37		0.34	1.29	0.40	
96.90	97.04			2.70										
97.04	97.19			3.30										
97.19	97.33			1.70										
97.33	97.47			6.00		34.14	1.30	3.46	28.78		0.62	3.28	1.96	
97.47	97.61			2.30										
97.61	97.75			2.90										
97.75	97.89		-18.93	3.60		21.15	0.69	1.17	15.73		0.30	1.36	0.49	
97.89	98.03			3.40										
98.03	98.18			3.00		17.27	0.62	0.74	13.16		0.40	1.14	0.31	
98.18	98.33			5.90										
98.33	98.48			4.50										
98.48	98.63			4.90										
98.63	98.78			6.40										
98.78	98.93		-17.27	4.80		32.60	0.30	1.10	25.97		0.36	1.79	0.65	
98.93	99.07			4.70										
99.07	99.21			5.90										
99.21	99.36			4.40										
99.36	99.48			3.60		24.45	0.13	0.41	19.91		0.39	0.78	0.28	
99.48	99.59			5.70										
99.59	99.71			9.30										
99.71	99.83			8.20										
99.83	99.99			7.80										
99.99	100.14			10.30		74.78	0.78	3.14	59.38		1.42	4.88	1.70	
100.14	100.30		-16.43	3.80										
100.30	100.44			23.40		42.90	0.22	0.29	32.06		1.06	4.54	1.32	
100.44	100.59			7.64										
100.59	100.74			9.42		60.62	0.70	3.05	52.81		1.26	3.93	1.45	
100.74	100.75			12.54	5.67									
100.75	100.76			8.32	5.45									
100.76	100.76			4.02	5.59	18.87	0.39	1.12	16.46		0.26	1.07	0.36	
100.76	100.97			5.16	5.66									
100.97	101.17			12.38	5.70									
101.17	101.59		-17.27	3.58	5.74									
101.59	101.71			4.77	5.80	25.90	0.32	1.55	24.38		0.68	0.63	1.12	
101.71	101.83			8.62	5.63									
101.83	101.90			5.70	5.55									
101.90	101.96			8.81	5.61	65.47	0.56	2.40	57.70		1.05	2.48	1.38	
101.96	102.03			3.18	5.68									
102.03	102.50		-18.65	6.78	5.73									
102.50	102.66			5.35	5.74	30.61	0.38	1.92	26.86		0.68	1.47	0.96	
102.66	102.81			5.62	5.72									
102.81	102.96			13.23	5.75									
102.96	103.11			2.89	5.65									
103.11	103.27			4.13	5.74	24.36	0.46	1.26	21.81		0.43	1.11	0.45	
103.27	103.42			4.80	5.67									
103.42	103.57		-16.63	1.83	5.77									
103.57	103.72			1.89	5.82	7.37	0.00	0.12	6.14		0.04	0.20	0.05	
103.72	103.87			2.26	5.80									
103.87	104.01			3.50	5.72									
104.01	104.15			5.43	5.61	36.56	0.00	0.14	35.42		0.36	0.25	0.08	
104.15	104.30			4.07	5.64									
104.30	104.45		-17.48	7.52	5.83									
104.45	104.60			5.96	5.63									
104.60	104.75			4.90	5.68	32.11	0.23	0.55	30.44		0.56	0.66	0.34	
104.75	104.89			5.76	5.63									

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	mix ‰	Cond. $\mu\text{S}/\text{cm}$	pH	Cl ⁻ $\mu\text{mol}/\text{L}$	NO ₃ ⁻ $\mu\text{mol}/\text{L}$	SO ₄ ²⁻ $\mu\text{mol}/\text{L}$	Na ⁺ $\mu\text{mol}/\text{L}$	NH ₄ ⁺ $\mu\text{mol}/\text{L}$	K ⁺ $\mu\text{mol}/\text{L}$	Mg ²⁺ $\mu\text{mol}/\text{L}$	Ca ²⁺ $\mu\text{mol}/\text{L}$	Comments
104.89	105.04			8.08	5.65									
105.04	105.18			10.75	5.67	78.26	0.95	3.02	68.56		1.48	3.14	2.08	
105.18	105.33			7.81	5.66									
105.33	105.49			5.47	5.52									
105.49	105.64		-17.51	12.46	5.53	98.57	0.04	3.33	88.61		1.72	1.06	2.65	
105.64	105.80			9.36	5.80									
105.80	105.96			4.49	5.72									
105.96	106.13			8.74	5.78	61.88	0.52	0.19	56.88		1.28	1.40	2.63	
106.13	106.27			3.18	5.57									
106.27	106.42			4.31	5.48									
106.42	106.56			5.89	5.49									
106.56	106.71		-18.85	10.77	5.77	78.00	0.32	4.75	66.50		1.54	5.38	2.78	
106.71	106.87			12.20	5.75									
106.87	107.02			9.73	5.82									
107.02	107.17			5.20		30.55	1.21	0.32	34.18		0.61	1.92	0.85	
107.17	107.32			2.50										
107.32	107.47			2.20										
107.47	107.60			3.30		18.02	1.06	0.30	17.45		0.31	0.97	0.38	
107.60	107.74		-16.88	4.40										
107.74	107.88			6.10										
107.88	108.04			3.30	5.82									
108.04	108.20			3.87	5.76	19.13	0.16	1.50	18.88		0.40	0.64	0.43	
108.20	108.36			3.16	5.79									
108.36	108.51			3.18	5.81									
108.51	108.65		-17.42	4.57	5.71									
108.65	108.80			4.81	5.78	31.03	0.51	0.02	29.08		0.55	0.52	0.50	
108.80	108.96			2.94	5.73									
108.96	109.11			4.76	5.74									
109.11	109.27			6.97	5.66	39.13	0.30	1.15	36.11		0.88	1.00	0.62	
109.27	109.41			3.63	5.73									
109.41	109.55			4.67	5.55									
109.55	109.68		-19.53	5.23	6.04	30.20	0.37	0.12	28.77		0.61	1.00	1.47	
109.68	109.84			4.97	5.64									
109.84	110.00			2.05	5.62									
110.00	110.16			2.44	5.66	12.11	0.30	0.19	10.73		0.18	0.28	0.22	
110.16	110.31			2.23	5.19									
110.31	110.47			1.49	5.04									
110.47	110.63			6.12	5.87									
110.63	110.77		-18.30	4.70	5.56	24.60	0.36	0.12	21.43		0.51	0.97	1.20	
110.77	110.90			5.35	5.29									
110.90	111.04			7.03	5.47									
111.04	111.18			3.99	5.61	19.48	0.40	1.81	17.08		0.52	0.95	1.04	
111.18	111.33			3.05	5.77									
111.33	111.47			2.47	5.70									
111.47	111.61			3.08	5.76									
111.61	111.74		-19.68	3.48	5.70	20.38	0.99	0.07	17.84		0.40	0.26	0.09	
111.74	111.88			7.07	7.74									
111.88	112.03			4.43	5.71									
112.03	112.19			4.72	5.72	27.99	0.99	1.48	26.29		0.39	1.06	0.57	
112.19	112.34			11.22	5.74									
112.34	112.49			4.22	5.48									
112.49	112.64		-17.29	6.42	5.93	27.28	0.57	1.58	25.94		0.50	1.20	1.10	
112.64	112.79			5.56	6.02									
112.79	112.91			4.11	5.81									
112.91	113.02			4.17	5.79									
113.02	113.14			6.74	5.80	40.77	1.76	2.99	35.96		0.95	2.84	1.65	
113.14	113.21			2.39	5.72									
113.21	113.35			2.87	6.04									
113.35	113.49			5.19	6.00									
113.49	113.63		-16.82	5.37	6.03	32.94	0.55	1.90	31.42		0.61	1.16	1.70	
113.63	113.78			3.23	5.06									
113.78	113.93			3.83	5.06									
113.93	114.08			2.09	5.14									
114.08	114.23			2.98	5.62	15.00	0.48	-0.02	14.15		0.17	0.19	0.13	
114.23	114.37			2.57	5.64									

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Top (m)	Bottom (m)	$\delta^{18}O$ ‰	mix ‰	Cond. $\mu S/cm$	pH	Cl ⁻ $\mu mol/L$	NO ₃ ⁻ $\mu mol/L$	SO ₄ ²⁻ $\mu mol/L$	Na ⁺ $\mu mol/L$	NH ₄ ⁺ $\mu mol/L$	K ⁺ $\mu mol/L$	Mg ²⁺ $\mu mol/L$	Ca ²⁺ $\mu mol/L$	Comments
114.37	114.51			3.03	5.68	18.24	0.71	0.20	17.97		0.68	0.52	0.46	
114.51	114.67		-18.94	2.32	5.95									
114.67	114.83			2.65	5.93									
114.83	114.99			2.19	5.87									
114.99	115.12			3.88	5.08	21.45	0.31	0.50	19.98		0.34	0.90	0.40	
115.12	115.26			4.07	4.98									
115.26	115.40			4.07	4.95									
115.40	115.55			5.40	5.66	35.33	0.57	0.69	32.10		0.72	0.55	0.33	
115.55	115.71		-18.70	9.89	5.57									
115.71	115.86			10.60	5.64									
115.86	115.99			2.03	5.67									
115.99	116.11			5.00	5.74	29.29	0.39	0.48	27.12		0.63	1.00	0.49	
116.11	116.24			7.11	6.07									
116.24	116.42			4.14	5.86	21.24	0.36	1.11	18.10		0.49	0.68	0.34	
116.42	116.60			5.27	5.66									
116.60	116.79		-17.61	4.61	5.63									
116.79	116.93			2.86	5.83									
116.93	117.08			2.61	5.62	27.62	0.12	1.44	25.26		0.80	1.22	1.16	
117.08	117.23			5.32	5.68									
117.23	117.38			6.00	5.89									
117.38	117.54			6.58	5.72	40.90	0.62	0.78	35.46		1.07	2.36	1.03	
117.54	117.69		-16.59	11.06	5.83									
117.69	117.83			3.68	5.39									
117.83	117.96			4.70	5.13									
117.96	118.10			3.37	5.08	19.52	0.58	0.72	18.08		0.22	0.41	0.27	
118.10	118.32			7.08	5.69									
118.32	118.55			6.21	5.65									
118.55	118.59		-18.33	4.26	5.78									
118.59	118.73			2.36	4.91	7.86	0.70	0.23	6.62		0.12	0.33	0.17	
118.73	118.86			3.49	4.90									
118.86	119.00			3.52	4.91									
119.00	119.14			6.55	5.08									
119.14	119.27			3.74	5.02	15.30	1.02	0.76	13.35		0.31	0.71	0.40	
119.27	119.41			3.97	5.66									
119.41	119.51			2.76	5.70									
119.51	119.66		-19.22	2.80	5.92	10.91	0.61	0.83	10.78		0.21	0.46	0.46	
119.66	119.81			2.74	5.84									
119.81	119.96			2.77	5.85									
119.96	120.07			2.89	5.83									
120.07	120.19			2.58	5.84	11.24	0.18	0.44	9.69		0.27	0.41	0.29	
120.19	120.29			2.41	5.81									
120.29	120.39			2.12	5.94									
120.39	120.52		-18.91	3.71	5.96									
120.52	120.65			2.02	5.55	8.30	0.13	0.02	6.91		0.10	0.19	0.10	
120.65	120.78			1.95	5.72									
120.78	120.95			4.74	5.86									
120.95	121.12			7.41	5.78									
121.12	121.30			5.19	5.84	31.77	0.44	0.10	27.70		0.62	0.72	0.52	
121.30	121.44			6.54	6.00									
121.44	121.59			9.95	5.80									
121.59	121.74		-17.95	7.56	5.99	44.48	0.80	1.45	41.01		0.96	0.62	1.66	
121.74	121.88			6.98	5.63									
121.88	122.02			5.31	5.61									
122.02	122.16			5.95	5.66	39.13	0.50	1.32	35.14		0.81	1.34	0.84	
122.16	122.32			6.10	5.75									
122.32	122.47			5.61	5.87									
122.47	122.62		-17.50	6.51	5.78	43.55	0.27	0.60	41.24		0.62	0.52	0.41	
122.62	122.80			7.71	5.36									
122.80	122.98			11.14	5.61									
122.98	123.04			12.15	5.76									
123.04	123.18			6.68	5.71	39.65	0.42	1.44	35.11		1.06	1.97	1.01	
123.18	123.32			11.21	5.56									
123.32	123.46			8.85	5.78									
123.46	123.61		-16.85	10.27	5.80	80.24	0.29	1.42	70.72		1.43	1.01	1.24	
123.61	123.76			6.97	5.85									

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Top (m)	Bottom (m)	δ18O ‰	mix ‰	Cond. μS/cm	pH	Cl ⁻ μmol/L	NO ₃ ⁻ μmol/L	SO ₄ ²⁻ μmol/L	Na ⁺ μmol/L	NH ₄ ⁺ μmol/L	K ⁺ μmol/L	Mg ²⁺ μmol/L	Ca ²⁺ μmol/L	Comments
123.76	123.92			3.35	5.75									
123.92	124.04			4.49	5.96									
124.04	124.10			7.31	5.54	43.81	0.49	1.58	39.08		1.10	1.51	1.09	
124.10	124.24			4.56	5.87									
124.24	124.39			9.11	5.89									
124.39	124.53			6.37	5.83									
124.53	124.73		-17.45	6.80	5.82	40.71	0.45	1.02	36.09		1.00	1.15	1.08	
124.73	124.81				5.96									
124.81	124.96			5.84	5.71									
124.96	125.10			9.35	5.81	70.53	0.40	0.89	62.43		1.46	0.98	0.59	
125.10	125.25			4.51	5.95									
125.25	125.40			4.19	5.70									
125.40	125.56			13.09	5.90									
125.56	125.64			5.05	5.55	25.15	0.22	1.40	20.86		0.84	2.02	1.11	
125.64	125.67		-17.07											
125.67	125.81			4.89	6.12									
125.81	125.96			4.25	5.94									
125.96	126.10			3.37	5.82	13.00	0.12	0.33	12.11		0.54	0.45	0.22	
126.10	126.25			3.74	5.79									
126.25	126.39			3.72	6.00									
126.39	126.54			4.40	5.98									
126.54	126.67			5.91	5.80	30.62	0.29	1.15	27.90		0.80	1.14	0.81	
126.67	126.81		-18.89	4.65	5.78									
126.81	126.95			4.65	5.58									
126.95	127.10			5.62										
127.10	127.25			4.86		24.26	0.42	2.00	20.34		0.73	2.46	0.99	
127.25	127.40			3.30										
127.40	127.54			5.95	5.75									
127.54	127.68		-17.18	4.64	5.77	26.99	0.40	0.84	25.05		0.75	0.90	0.54	
127.68	127.82			4.56	5.69									
127.82	127.98			3.49										
127.98	128.13			5.00		0.00	0.00	0.00	22.70		1.13	2.96	1.24	
128.13	128.28			5.55										
128.28	128.40			5.07	5.47									
128.40	128.52			4.97	5.51	15.86	0.38	0.74	13.72		0.56	1.02	0.38	
128.52	128.65		-19.20	6.35	5.48									
128.65	128.78			11.62										
128.78	128.91			5.46										
128.91	129.04			9.13										
129.04	129.16			4.08		16.66	0.36	1.00	14.77		0.70	1.23	0.57	
129.16	129.31			4.10										
129.31	129.46			11.06										
129.46	129.60		-19.25	5.49		31.61	0.32	1.19	28.53		1.01	1.64	0.64	
129.60	129.76			9.92										
129.76	129.91			7.27										
129.91	130.06			9.82										
130.06	130.20			6.77		37.34	0.40	2.55	29.34		1.03	3.50	1.41	
130.20	130.34			7.25										
130.34	130.47			6.96										
130.47	130.64		-18.44	2.20		8.74	0.20	0.40	7.96		0.27	0.58	0.22	
130.64	130.81			5.08										
130.81	130.91			10.81										
130.91	131.05			2.58										
131.05	131.19			1.91		5.31	0.18	0.32	4.79		0.17	0.34	0.21	
131.19	131.33			7.93										
131.33	131.52			4.49										
131.52	131.65		-18.89	10.98		83.66	0.82	4.04	69.39		1.88	3.31	3.25	
131.65	131.78			10.15										
131.78	131.92			5.19										
131.92	132.07			3.18										
132.07	132.21			4.83		27.76	0.55	1.81	24.75		0.52	1.97	1.15	
132.21	132.36			2.75										
132.36	132.50			3.26										
132.50	132.65		-17.85	10.87		88.65	0.60	2.24	73.71		1.33	2.72	2.12	
132.65	132.78			5.47										

Vestfonna in May - Jun., 1995: Ice Core Data Sheet

Top (m)	Bottom (m)	δ18O ‰	mix ‰	Cond. μS/cm	pH	Cl ⁻ μmol/L	NO ₃ ⁻ μmol/L	SO ₄ ²⁻ μmol/L	Na ⁺ μmol/L	NH ₄ ⁺ μmol/L	K ⁺ μmol/L	Mg ²⁺ μmol/L	Ca ²⁺ μmol/L	Comments
132.78	132.92			6.14										
132.92	133.05			8.71										
133.05	133.21			11.59		96.98	1.03	3.88	73.32		1.69	7.26	2.75	
133.21	133.37			3.07										
133.37	133.53			3.14										
133.53	133.67		-17.60	4.38		22.48	0.53	1.44	20.26		0.71	2.12	0.85	
133.67	133.70													
133.70	133.84			3.97										
133.84	133.98			3.87										
133.98	134.13			2.93		12.61	0.14	0.44	12.14		0.28	0.54	0.33	
134.13	134.28			2.07										
134.28	134.43			2.39										
134.43	134.57		-18.51	6.61										
134.57	134.72			6.46		39.46	0.87	2.34	36.13		1.02	1.63	1.91	
134.72	134.86			3.96										
134.86	135.00			4.83										
135.00	135.15			9.54		64.48	1.78	4.76	51.50		1.57	6.00	2.47	
135.15	135.24			8.53										
135.24	135.30			4.17										
135.30	135.44			4.19										
135.44	135.58			4.09										
135.58	135.71			4.99		19.72	0.85	2.31	14.49		0.68	3.06	1.23	
135.71	135.85			5.70										
135.85	135.99			2.63										
135.99	136.13			2.07		5.85	0.09	0.19	5.42		0.18	0.23	0.15	
136.13	136.26			7.60										
136.26	136.39			3.38										
136.39	136.51		-18.36	5.40										
136.51	136.64			12.12		59.88	1.74	6.94	47.30		1.27	5.47	2.00	
136.64	136.82			11.81										
136.82	137.01			4.02										
137.01	137.17			1.78		5.24	0.10	0.16	5.21		0.19	0.17	0.14	
137.17	137.33			2.89										
137.33	137.49		-19.79	3.07										
137.49	137.67			5.85		31.85	0.89	2.25	26.77		0.68	3.17	1.07	
137.67	137.85			4.92										
137.85	138.04			8.37										
138.04	138.24			5.03		23.24	0.82	2.48	19.54		0.64	2.31	0.90	
138.24	138.39			3.54										
138.39	138.54		-18.17	5.22										
138.54	138.68			6.87		40.71	0.84	3.98	35.89		2.06	3.24	1.78	
138.68	138.82			3.43										
138.82	138.95			3.68										
138.95	139.09			5.51										
139.09	139.24			8.03		45.99	0.91	3.22	36.92		1.03	4.67	2.02	
139.24	139.39		-18.70	3.96										
139.39	139.54			6.45										
139.54	139.75			7.20		41.89	0.54	1.18	36.71		0.83	1.35	0.88	
139.75	139.96			8.55										
139.96	140.12			4.61										
140.12	140.27			2.80										
140.27	140.43		-17.02	6.11		31.71	0.45	1.79	27.59		0.65	2.13	1.05	
140.43	140.61			3.60										
140.61	140.78			4.57		22.27	0.64	1.48	18.59		0.41	1.62	0.81	
140.78	140.96			5.38										
140.96	141.14			7.48										
141.14	141.32			4.79		27.57	0.19	0.79	23.10		0.52	0.92	0.53	
141.32	141.45		-18.86	3.58										
141.45	141.59			3.36										
141.59	141.73			5.22		29.23	0.41	1.37	24.78		0.51	0.99	0.98	
141.73	141.88			7.95										
141.88	142.02			5.21										
142.02	142.17			8.01		49.65	0.86	3.03	41.73		0.96	2.79	1.72	
142.17	142.33		-18.99	14.63										
142.33	142.47			15.68										

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	mix ‰	Cond. $\mu\text{S/cm}$	pH	Cl^- $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
142.47	142.66			6.07		36.58	0.80	2.10	30.82		0.66	1.32	1.42	
142.66	142.84		-18.99	6.09										
142.84	143.03			10.64										
143.03	143.17			8.27		49.45	1.38	3.89	39.48		0.90	3.49	1.69	
143.17	143.31			9.69										
143.31	143.45			3.24										
143.45	143.58		-18.52	2.81										
143.58	143.71			6.26		37.20	0.33	1.10	33.10		0.79	1.25	0.69	
143.71	143.89			4.15										
143.89	144.01			6.65										
144.01	144.12			3.79										
144.12	144.25			2.46		5.22	0.23	0.26	2.76		0.30	0.92	0.20	
144.25	144.45			8.13										
144.45	144.50			2.72										
144.50	144.59		-18.80	2.66		8.48	0.27	0.50	6.97		0.61	0.39	0.47	
144.59	144.71			4.33										
144.71	144.83			4.69										
144.83	144.94			3.19										
144.94	145.05			3.64										
145.05	145.09			3.94		16.49	0.60	1.20	12.51		0.49	0.89	0.73	
145.09	145.29			3.73										
145.29	145.48			4.37										
145.48	145.67		-18.90	4.83		25.73	0.52	1.54	20.13		0.53	1.67	0.90	
145.67	145.81			4.58										
145.81	145.95			4.59										
145.95	146.08			2.98										
146.08	146.22			3.07		14.00	0.14	0.20	11.03		0.22	0.48	0.23	
146.22	146.39			4.86										
146.39	146.56		-17.70	3.17										
146.56	146.74			3.71		21.37	0.47	0.92	16.97		0.48	0.96	0.67	
146.74	146.92			5.52										
146.92	147.10			5.63										
147.10	147.43			11.67		86.72	0.75	2.89	73.71		2.64	1.85	5.05	
147.43	147.56			7.74										
147.56	147.70		-17.55	4.05		21.86	0.23	1.46	17.65		0.41	1.00	1.02	
147.70	147.83			2.92										
147.83	147.96			7.23										
147.96	148.12			3.23		15.76	0.10	0.17	12.30		0.34	0.55	0.26	
148.12	148.28			4.21										
148.28	148.57		-18.71	9.80										
148.57	148.86			13.23		101.45	1.55	7.01	80.95		1.77	8.01	2.97	
148.86	149.16			7.62										
149.16	149.32			9.14										
149.32	149.48			2.09		13.91	0.19	0.61	9.76		0.31	1.37	0.52	
149.48	149.54			6.23										
149.54	149.60		-17.61	5.02										
149.60	149.66			8.49		59.76	0.26	1.93	50.22		1.08	1.68	1.57	
149.66	149.86			5.18										
149.86	150.01			6.78										
150.01	150.16			7.13		48.61	0.44	1.33	43.26		1.05	1.24	0.92	
150.16	150.34			6.86										
150.34	150.52			4.38										
150.52	150.65		-16.37	4.51		26.49	0.09	0.76	22.79		0.67	1.22	0.59	
150.65	150.79			10.48										
150.79	150.93			7.32										
150.93	151.07			8.17										
151.07	151.21			7.38		52.60	0.41	1.93	42.26		1.23	2.30	0.93	
151.21	151.36			4.77										
151.36	151.51			4.77										
151.51	151.66		-17.02	4.63		25.03	0.20	0.45	20.73		0.38	0.90	0.38	
151.66	151.81			8.20										
151.81	151.94			6.93										
151.94	152.08			3.82										
152.08	152.21			5.01		29.87	0.18	0.69	26.63		0.49	0.71	0.81	
152.21	152.62			12.15										

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Top (m)	Bottom (m)	$\delta^{18}O$ ‰	mix ‰	Cond. $\mu S/cm$	pH	Cl ⁻ $\mu mol/L$	NO ₃ ⁻ $\mu mol/L$	SO ₄ ²⁻ $\mu mol/L$	Na ⁺ $\mu mol/L$	NH ₄ ⁺ $\mu mol/L$	K ⁺ $\mu mol/L$	Mg ²⁺ $\mu mol/L$	Ca ²⁺ $\mu mol/L$	Comments	
152.62	152.78		-17.90	12.71		88.97	0.59	3.31	72.92		2.00	3.30	1.75		
152.78	152.92			4.22											
152.92	153.09			7.81											
153.09	153.26			6.00		37.28	0.48	1.98	30.84		0.81	1.31	1.94		
153.26	153.43		-16.84	5.16											
153.43	153.55			4.98											
153.55	153.69			2.73		12.43	0.05	0.08	9.47		0.26	0.52	0.28		
153.69	153.86			3.03											
153.86	154.03			5.40											
154.03	154.19			5.44		34.19	0.15	0.57	28.51		0.64	0.50	0.61		
154.19	154.35		17.74	5.09											
154.35	154.44			8.58											
154.44	154.58			8.98											
154.58	154.70			5.93		37.33	0.59	1.78	33.18		0.81	1.98	1.00		
154.70	154.83			10.77											
154.83	154.97			6.28											
154.97	155.11			3.02											
155.11	155.25		-17.29	3.75		18.22	0.18	0.66	15.80		0.26	0.98	0.78		
155.25	155.41			4.08											
155.41	155.50			3.39											
155.50	155.72			5.33		31.41	0.26	1.21	26.93		1.05	1.37	1.11		
155.72	156.35			6.01											
156.35	156.54			5.41		32.11	0.52	1.58	27.70		0.59	1.29	1.26		
156.54	156.72			4.44											
156.72	156.87			7.78		46.27	0.65	1.37	42.30		0.83	0.87	1.32		
156.87	157.02			5.18											
157.02	157.14			2.77		10.37	0.23	0.36	7.60		0.19	0.72	0.43		
157.14	157.27		19.50	4.41											
157.27	157.38			9.62											
157.38	157.59			9.76											
157.59	157.84			6.51		37.80	0.52	1.76	33.17		0.73	1.96	1.45		
157.84	157.91			5.59											
157.91	158.05			6.56											
158.05	158.20			3.92		16.59	0.33	1.10	15.85		0.67	0.84	2.33		
158.20	158.35			3.79											
158.35	158.48			3.85											
158.48	158.71			2.33		7.31	0.12	0.37	5.91		0.20	0.49	0.58		
158.71	158.88		-18.30	2.98											
158.88	159.04			3.43											
159.04	159.34			3.31		13.98	0.18	0.55	11.56		0.51	0.59	1.21		
159.34	159.51			4.73											
159.51	159.55			5.04		30.41	0.37	1.67	24.24		0.72	0.96	2.17		
159.55	159.58			8.60											
159.58	159.73			6.51											
159.73	159.89			5.30											
159.89	160.04			2.47											
160.04	160.19			6.64		33.37	0.52	3.99	28.79		0.75	1.98	7.69		
160.19	160.34		-18.15	5.99											
160.34	160.47			7.76											
160.47	160.60			7.63		55.02	0.45	1.74	47.05		0.81	1.31	1.62		
160.60	160.73			5.66											
160.73	160.79			5.92											
160.79	160.92			10.26											
160.92	161.05			6.58											
161.05	161.19			3.78		19.12	0.16	0.53	14.37		0.33	1.33	1.27		
161.19	161.26			4.61											
161.26	161.40			3.47		16.96	0.15	0.34	13.10		0.47	0.96	0.40		
161.40	161.54		-18.03	12.57											
161.54	161.68			3.26		5.71	0.04	0.12	4.01		0.14	0.32	0.18		
161.68	161.82			3.86											
161.82	161.87			2.74		11.58	0.12	0.23	11.48		0.24	0.50	0.36		
161.87	161.92			4.07											
161.92	161.98			5.11											
161.98	162.21			3.64											
162.21	162.24														

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	mix ‰	Cond. $\mu\text{S}/\text{cm}$	pH	Cl ⁻ $\mu\text{mol}/\text{L}$	NO ₃ ⁻ $\mu\text{mol}/\text{L}$	SO ₄ ²⁻ $\mu\text{mol}/\text{L}$	Na ⁺ $\mu\text{mol}/\text{L}$	NH ₄ ⁺ $\mu\text{mol}/\text{L}$	K ⁺ $\mu\text{mol}/\text{L}$	Mg ²⁺ $\mu\text{mol}/\text{L}$	Ca ²⁺ $\mu\text{mol}/\text{L}$	Comments
162.24	162.36													
162.36	162.57			4.10		25.32	0.37	1.16	20.40		0.41	1.06	1.02	
162.57	162.66			5.20										
162.66	162.74		-18.22	(4.79)										
162.74	162.83			2.25		9.70	0.29	0.38	7.14		0.19	0.54	0.43	
162.83	163.12			2.31										
163.12	163.25			3.88		21.68	0.29	1.10	18.78		0.46	1.07	1.85	
163.25	163.38			4.29										
163.38	163.51			4.33										
163.51	163.64		-19.69	4.63		27.53	0.34	0.86	22.06		0.51	0.74	0.75	
163.64	163.75			8.28										
163.75	163.85			10.05										
163.85	163.98			10.56										
163.98	164.13			6.27		44.37	0.94	2.75	33.53		0.73	2.54	1.55	
164.13	164.32			10.77										
164.32	164.38			6.63										
164.38	164.52			7.38										
164.52	164.56		-19.24	5.49		30.07	0.59	1.31	21.81		0.47	1.65	0.83	
164.56	164.73			26.80										
164.73	164.85			7.59										
164.85	164.97			6.22										
164.97	165.08			6.38										
165.08	165.18			5.82		37.22	0.32	1.79	28.67		1.38	2.24	1.06	
165.18	165.29			5.91										
165.29	165.40			7.58										
165.40	165.55			6.38										
165.55	165.59		-18.71	3.62		13.92	0.73	1.41	11.20		0.34	1.98	0.57	
165.59	165.67			2.54										
165.67	165.79			4.79										
165.79	165.91			(4.22)										
165.91	166.07			7.26										
166.07	166.23			8.49		56.28	1.34	3.86	41.19		1.21	4.26	1.35	
166.23	166.30			12.32										
166.30	166.43			1.95										
166.43	166.57		-17.56	4.88										
166.57	166.71			3.17		20.18	0.29	0.80	15.26		0.31	1.19	0.38	
166.71	166.87			6.05										
166.87	167.03			5.13										
167.03	167.18			3.15		14.73	0.15	0.53	11.03		0.26	0.83	0.25	
167.18	167.32			2.29										
167.32	167.46			2.49										
167.46	167.52		-16.20	3.85										
167.52	167.63			6.83		51.10	0.65	2.47	41.27		0.67	1.84	1.15	
167.63	167.80			3.91										
167.80	167.96			2.75										
167.96	168.11			5.83										
168.11	168.18			7.98		60.91	0.56	3.28	48.70		0.73	2.34	1.36	
168.18	168.30			6.75										
168.30	168.44			3.61										
168.44	168.59		-18.11	7.59		47.79	0.66	3.34	34.41		0.98	2.45	1.73	
168.59	168.74			10.06										
168.74	168.89			6.72										
168.89	169.03			4.65		26.72	1.11	1.96	20.47		0.53	1.68	1.02	
169.03	169.19			2.66										
169.19	169.35			3.77										
169.35	169.59		-18.17	2.68										
169.59	169.71			5.25		31.97	0.59	3.22	23.44		0.53	1.37	3.94	
169.71	169.92			5.20										
169.92	170.17			4.05										
170.17	170.33			5.99		40.21	0.71	1.63	30.36		0.70	2.09	0.94	
170.33	170.45			5.81										
170.45	170.57		-18.64	11.15										
170.57	170.69			12.35		97.71	1.26	5.76	70.51		1.71	6.97	2.18	
170.69	170.81			6.49										
170.81	171.14			5.12										

Vestfonna in May - Jun., 1995: Ice Core Data Sheet

Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	mix ‰	Cond. $\mu\text{S}/\text{cm}$	pH	Cl^- $\mu\text{mol}/\text{L}$	NO_3^- $\mu\text{mol}/\text{L}$	SO_4^{2-} $\mu\text{mol}/\text{L}$	Na^+ $\mu\text{mol}/\text{L}$	NH_4^+ $\mu\text{mol}/\text{L}$	K^+ $\mu\text{mol}/\text{L}$	Mg^{2+} $\mu\text{mol}/\text{L}$	Ca^{2+} $\mu\text{mol}/\text{L}$	Comments
171.14	171.29			4.14		21.09	1.49	1.99	19.56		0.47	1.43	1.00	
171.29	171.31			3.99										
171.31	171.44			5.43										
171.44	171.71		-20.01	2.23		12.76	0.50	0.61	8.72		0.29	0.90	0.41	
171.71	171.90			4.53										
171.90	171.99			4.04										
171.99	172.15			4.13		23.73	1.55	3.00	22.44		0.53	2.12	1.16	
172.15	172.28			3.82										
172.28	172.44			5.38										
172.44	172.60			2.57										
172.60	172.76		-18.69	3.58		19.45	0.25	1.04	16.20		0.28	1.14	0.92	
172.76	172.92			3.09										
172.92	173.08			3.96										
173.08	173.20			3.28		15.19	0.47	0.84	14.76		0.33	0.73	0.58	
173.20	173.43			3.23										
173.43	173.66			9.07										
173.66	173.87		-19.00	7.54		11.32	0.16	0.38	9.42		0.21	0.50	0.22	
173.87	174.01			4.04										
174.01	174.16			8.31		40.91	0.45	1.62	34.26		0.65	2.24	0.73	
174.16	174.31			8.24										
174.31	174.45			5.86										
174.45	174.64		-18.62	3.69										
174.64	174.76			3.78										
174.76	174.88			4.61										
174.88	175.06			4.77										
175.06	175.23			6.33		38.02	0.39	1.60	31.35		0.62	1.80	0.96	
175.23	175.33			3.39										
175.33	175.58			2.85										
175.58	175.80			3.14		13.05	0.32	0.61	11.99		0.28	0.63	0.57	
175.80	175.91			5.89										
175.91	176.03			5.18										
176.03	176.14			7.45		45.06	0.89	1.84	37.69		0.87	2.55	0.88	
176.14	176.24			4.15										
176.24	176.37			4.78										
176.37	176.59		-17.99	5.89		31.28	1.36	1.95	28.34		0.59	2.49	1.57	
176.59	176.72			3.87										
176.72	176.94			5.20										
176.94	177.06			4.60										
177.06	177.18			5.46		30.58	0.26	0.64	22.85		0.56	0.93	0.25	
177.18	177.34			5.48										
177.34	177.46		-17.65	4.19										
177.46	177.69			4.79		33.36	0.50	1.28	28.00		0.53	1.73	0.63	
177.69	177.87			8.00										
177.87	178.06			5.85										
178.06	178.22			4.54		25.48	0.23	0.50	21.74		0.48	0.72	0.33	
178.22	178.43			5.69										
178.43	178.58			4.86										
178.58	178.69		-16.59	6.05		40.40	0.37	0.91	33.89		0.92	1.08	0.53	
178.69	178.78			9.46										
178.78	178.89			7.73										
178.89	179.03			10.88										
179.03	179.20			5.93		28.17	0.76	5.69	16.38		0.63	6.31	2.54	
179.20	179.38			3.04										
179.38	179.60		-17.56	2.54										
179.60	179.77			3.84		19.86	0.28	0.93	15.23		0.33	1.11	0.44	
179.77	179.93			3.92										
179.93	180.11			5.15										
180.11	180.30			5.30										
180.30	180.49			4.47										
180.49	180.57		-17.22	3.58										
180.57	180.74			4.72		29.45	0.28	0.49	26.74		0.44	0.88	0.37	
180.74	180.91			8.65										
180.91	181.08			14.11										
181.08	181.29			9.01		37.04	0.80	2.88	29.08		0.49	2.56	0.73	
181.29	181.40			9.74										

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Top (m)	Bottom (m)	$\delta^{18}O$ ‰	mix ‰	Cond. $\mu S/cm$	pH	Cl ⁻ $\mu mol/L$	NO ₃ ⁻ $\mu mol/L$	SO ₄ ²⁻ $\mu mol/L$	Na ⁺ $\mu mol/L$	NH ₄ ⁺ $\mu mol/L$	K ⁺ $\mu mol/L$	Mg ²⁺ $\mu mol/L$	Ca ²⁺ $\mu mol/L$	Comments
181.40	181.59			8.74										
181.59	181.82		-17.29	5.00		30.12	0.25	0.42	410.10		0.34	0.17	0.03	
181.82	181.97			4.72										
181.97	182.12			2.96										
182.12	182.27			3.29		18.46	0.13	0.20	15.88		0.12	0.29	0.14	
182.27	182.47			5.20										
182.47	182.58			5.93										
182.58	182.79		-17.63	7.44		46.82	0.54	3.18	36.00		1.21	4.28	1.47	
182.79	182.94			14.46										
182.94	183.16			7.42										
183.16	183.37			5.47		30.27	0.53	1.53	24.66		0.65	1.55	0.58	
183.37	183.51			8.52										
183.51	183.64			5.75										
183.64	183.77		-18.13	11.57		78.79	0.83	5.35	59.09		1.73	6.73	2.54	
183.77	183.96			6.18										
183.96	184.06			8.13										
184.06	184.28			5.47		30.77	0.20	0.50	25.77		0.46	0.52	0.50	
184.28	184.43			5.96										
184.43	184.57			6.19										
184.57	184.72		-19.39	4.08										
184.72	184.87			3.79										
184.87	185.04			9.16										
185.04	185.21			5.89		34.30	0.33	0.94	28.58		0.81	1.14	0.68	
185.21	185.38			5.37										
185.38	185.53			3.90										
185.53	185.65		-17.39	5.21		33.97	0.28	0.42	28.62		0.43	0.62	0.60	
185.65	185.77			5.14										
185.77	186.07			8.36										
186.07	186.60			8.38		53.55	0.51	1.52	44.58		1.08	1.77	1.14	
186.60	186.86			8.40										
186.86	187.00		-18.78	13.21		84.54	1.99	6.85	129.40		2.45	9.65	3.65	
187.00	187.16			2.61										
187.16	187.32			3.27		15.06	0.43	0.76	11.78		0.26	0.64	1.08	
187.32	187.48			2.51										
187.48	187.72		-19.34	4.00		22.73	1.09	1.58	21.32		0.56	1.20	1.77	
187.72	187.91			3.69										
187.91	188.08			3.08										
188.08	188.25			3.63		19.89	0.22	0.47	15.59		0.46	0.95	0.44	
188.25	188.33			3.97										
188.33	188.50		-18.56	3.70										
188.50	188.57			3.78		30.81	0.05	0.40	18.03		0.37	0.46	0.44	
188.57	188.64			2.75										
188.64	188.71													
188.71	188.77													
188.77	188.81													
188.81	188.94													
188.94	188.98													
188.98	189.00													
189.00	189.24													
189.24	189.38			5.56										
189.38	189.52			3.84		18.17	0.26	0.35	14.57		0.45	0.54	0.91	
189.52	189.76			7.00										
189.76	190.06			4.65										
190.06	190.19		-18.27	3.70		19.96	0.16	0.20	16.55		0.34	0.37	0.28	
190.19	190.36			4.34										
190.36	190.46			4.50										
190.46	190.61			5.39		28.51	0.78	1.97	21.69		0.50	2.16	1.26	
190.61	190.77													
190.77	190.89			4.78										
190.89	191.19													
191.19	191.33			4.18										
191.33	191.48			4.57		23.49	0.35	0.87	18.99		0.51	0.99	0.65	
191.48	191.55		-17.26	5.39										
191.55	191.69			6.17										
191.69	191.82			2.74		10.63	0.21	0.44	7.13		0.18	0.59	0.36	

Vestfonna in May - Jun., 1995: Ice Core Data Sheet

Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	mix ‰	Cond. $\mu\text{S}/\text{cm}$	pH	Cl^- $\mu\text{mol}/\text{L}$	NO_3^- $\mu\text{mol}/\text{L}$	SO_4^{2-} $\mu\text{mol}/\text{L}$	Na^+ $\mu\text{mol}/\text{L}$	NH_4^+ $\mu\text{mol}/\text{L}$	K^+ $\mu\text{mol}/\text{L}$	Mg^{2+} $\mu\text{mol}/\text{L}$	Ca^{2+} $\mu\text{mol}/\text{L}$	Comments
191.82	192.03			4.62										
192.03	192.20			4.82										
192.20	192.36		-17.54	6.40		35.11	0.32	1.26	28.21		0.60	1.44	0.75	
192.36	192.66			4.30										
192.66	192.80			7.28										
192.80	193.03			4.57		12.45	0.08	0.47	10.54		0.17	0.29	1.75	
193.03	193.21			4.68										
193.21	193.30			4.74										
193.30	193.39		-17.54	5.78		38.49	0.08	0.49	32.99		0.54	0.49	0.63	
193.39	193.45			3.76		11.18	0.18	0.27	8.01		0.22	0.62	0.28	
193.45	193.60			2.98										
193.60	193.75			4.64		30.94	0.00	0.42	13.60		0.28	0.45	0.66	
193.75	193.97			5.01										
193.97	194.17			5.94										
194.17	194.35		-19.64	5.88		38.18	0.40	1.65	31.38		0.85	1.49	1.24	
194.35	194.74			3.27										
194.74	194.86			4.60										
194.86	194.96			3.90		23.39	0.33	0.66	19.76		0.49	0.77	0.83	
194.96	195.05			5.91										
195.05	195.21			5.60										
195.21	195.39		-18.58	6.32		39.44	0.59	1.77	33.12		0.79	1.48	2.01	
195.39	195.57			5.17										
195.57	195.70			5.89										
195.70	195.86			7.08		40.44	0.54	2.44	37.38		1.05	1.29	6.13	
195.86	196.03			4.20										
196.03	196.19			3.26										
196.19	196.35		-17.64	2.93		16.77	0.13	0.38	14.53		0.29	0.50	0.74	
196.35	196.55			4.29										
196.55	196.80			4.99										
196.80	197.02			2.96										
197.02	197.18			4.46										
197.18	197.39			2.69										
197.39	197.54		-19.60	1.80		6.93	0.28	0.28	5.31		0.11	0.57	0.26	
197.54	197.77			5.31										
197.77	197.90			4.81										
197.90	198.02			3.65		16.48	0.46	0.66	14.04		0.35	0.93	0.44	
198.02	198.13			6.57										
198.13	198.24			7.04										
198.24	198.45		-18.61	4.83		32.50	0.55	1.56	27.47		0.63	2.00	0.86	
198.45	198.55			2.56										
198.55	198.76			3.40										
198.76	198.94			4.20		22.08	0.43	0.63	20.07		0.36	0.75	0.53	
198.94	199.12			5.09										
199.12	199.32			4.73										
199.32	199.46		-18.62	6.18		43.64	0.35	0.88	38.21		0.77	1.42	0.79	
199.46	199.60			5.23										
199.60	199.75			6.01										
199.75	199.97			7.75		55.86	0.30	0.39	51.76		0.56	0.33	0.42	
199.97	200.19			3.05										
200.19	200.35			3.84										
200.35	200.51		-17.85	9.75		54.48	0.48	1.52	49.74		1.01	2.07	0.91	
200.51	200.70			4.44										
200.70	200.82			4.95										
200.82	201.01			2.89		14.94	0.30	0.58	13.91		0.28	0.53	0.71	
201.01	201.20			4.21										
201.20	201.66		-17.54	6.24										
201.66	201.70			3.28		16.86	0.52	0.94	14.70		0.54	1.25	0.58	
201.70	201.81			3.42										
201.81	201.99			6.25										
201.99	202.19			7.69		44.25	1.55	3.78	36.49		0.95	3.25	1.03	
202.19	202.39			8.12										
202.39	202.48		-17.72	7.59										
202.48	202.62			7.28		41.00	0.40	2.20	36.33		1.16	1.59	3.00	
202.62	202.74			13.12										
202.74	202.88			4.21										

Vestfonna in May - Jun., 1995: Ice Core Data Sheet

Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	mix ‰	Cond. $\mu\text{S}/\text{cm}$	pH	Cl^- $\mu\text{mol}/\text{L}$	NO_3^- $\mu\text{mol}/\text{L}$	SO_4^{2-} $\mu\text{mol}/\text{L}$	Na^+ $\mu\text{mol}/\text{L}$	NH_4^+ $\mu\text{mol}/\text{L}$	K^+ $\mu\text{mol}/\text{L}$	Mg^{2+} $\mu\text{mol}/\text{L}$	Ca^{2+} $\mu\text{mol}/\text{L}$	Comments
202.88	203.02			8.15		50.34	0.56	2.60	42.40		1.03	2.96	1.38	
203.02	203.15			8.76										
203.15	203.35		-19.29	8.97										
203.35	203.52			4.95		26.72	1.17	2.58	22.69		1.08	2.23	1.86	
203.52	203.66			5.52										
203.66	203.83			3.91										
203.83	204.14													
204.14	204.31		-18.18	4.30		16.73	1.27	1.75	11.62		0.47	1.26	0.81	
204.31	204.58			14.82										
204.58	204.75			5.78										
204.75	204.92			2.51		8.16	0.31	0.98	5.36		0.18	1.65	0.29	
204.92	205.09		-18.64	2.05										
205.09	205.26			2.53										
205.26	205.43			5.93		36.22	0.74	1.69	33.11		0.61	1.40	1.02	
205.43	205.60			5.57										
205.60	205.85			5.54										
205.85	205.92			3.86		22.22	0.54	1.36	19.19		0.58	1.42	0.76	
205.92	206.04		-18.00	3.12										
206.04	206.17			4.71										
206.17	206.30			6.04		33.02	1.09	1.99	30.81		0.76	2.17	1.08	
206.30	206.50			4.65										
206.50	206.66			3.77										
206.66	206.77			4.71		30.44	1.10	0.67	33.58		0.68	0.95	0.69	
206.77	206.94			7.05										
206.94	207.11		-18.29	6.97										
207.11	207.23			8.94		59.69	0.60	2.94	51.01		1.27	4.24	1.13	
207.23	207.36			4.18										
207.36	207.43			7.71										
207.43	207.58			10.09		66.17	0.93	2.95	61.55		1.71	3.80	1.74	
207.58	207.66			12.31										
207.66	207.86			4.66										
207.86	208.00		-16.48	7.23										
208.00	208.13			7.24										
208.13	208.27			6.56										
208.27	208.45			8.88		50.76	1.29	3.33	42.40		1.21	3.15	1.48	
208.45	208.59			10.74										
208.59	208.75			2.86										
208.75	208.91			4.96		27.69	0.74	1.65	23.63		0.60	1.56	0.63	
208.91	209.08		-17.28	11.37										
209.08	209.25			8.51										
209.25	209.48			6.31		42.39	0.39	1.98	34.48		0.67	3.59	0.96	
209.48	209.58			4.12										
209.58	209.67			3.82										
209.67	210.08			4.54		25.46	0.16	0.68	22.41		0.51	0.75	1.39	
210.08	210.28		-17.36	3.82										
210.28	210.51			6.77										
210.51	210.76			3.68										
210.76	210.99			6.44		41.46	0.82	2.32	36.44		0.99	2.14	2.06	

Brøggerbreen in Sep., 1994: Ice Core Data Sheet

Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. µS/cm	pH	Cl ⁻ µmol/L	NO ₃ ⁻ µmol/L	SO ₄ ²⁻ µmol/L	Na ⁺ µmol/L	NH ₄ ⁺ µmol/L	K ⁺ µmol/L	Mg ²⁺ µmol/L	Ca ²⁺ µmol/L	Comments
0.00	0.10	-11.84	2.43	5.54	9.04	0.15	0.50	7.48	0.30	0.36	0.80	0.94	
0.10	0.18	-11.19	2.69	5.52	12.84	0.40	0.63	11.38	1.38	0.71	0.61	0.58	
0.18	0.23	-10.66	2.88	5.69	11.66	0.18	0.23	9.14	1.12	0.16	0.55	0.63	
0.23	0.28	-11.99	2.83	5.62	11.62	0.10	0.40	11.19	0.51	0.24	0.37	0.34	
0.28	0.33	-10.22	1.68	5.59	2.94	0.09	0.27	2.23	0.24	0.12	0.18	0.51	
0.33	0.38	-11.35	3.17	5.63	13.57	0.30	1.24	11.21	0.85	0.80	0.95	1.05	
0.38	0.44	-12.42	10.10	5.44	57.22	1.69	7.84	49.63	4.70	2.86	6.60	3.02	
0.44	0.50	-11.68	3.37	5.67	14.85	0.19	1.07	13.46	2.25	0.89	0.91	0.77	
0.50	0.58	-11.38	4.20	5.62	18.48	0.33	1.66	18.06	2.90	1.28	1.37	1.04	
0.58	0.63	-11.66	3.44	5.83	16.37	0.12	0.75	14.56	2.89	0.96	0.74	0.97	
0.63	0.68	-11.68	3.22	5.75	14.28	0.13	0.75	12.30	2.60	0.79	0.66	0.79	
0.68	0.73	-11.71	2.91	5.63	13.13	0.12	0.82	10.06	1.87	0.63	0.96	0.51	
0.73	0.78	-11.72	3.42	5.49	14.71	0.10	1.06	10.86	1.42	0.21	1.55	0.40	
0.78	0.83	-11.79	7.12	5.49	42.20	0.18	2.14	37.29	1.96	1.02	2.60	0.93	
0.83	0.88	-11.81	11.50	5.43	81.10	0.27	3.66	76.04	1.75	1.24	3.65	1.95	
0.88	0.93	-11.95	2.56	5.59	8.18	0.00	0.82	6.97	0.00	0.00	0.00	0.00	
0.93	0.98	-12.66	1.99	5.50	4.71	0.00	0.09	3.58	0.05	0.00	0.00	0.00	
0.98	1.03	-12.55	2.37	5.44	7.08	0.00	0.11	5.79	0.00	0.00	0.00	0.00	
1.03	1.06	-12.20	2.62	5.49	8.92	0.00	0.42	7.29	0.00	0.00	0.00	0.00	
1.06	1.11	-12.25	2.78	5.44	9.15	0.17	0.80	7.17	0.00	0.00	0.00	0.00	
1.11	1.17	-12.59	2.70	5.38	8.70	0.00	0.34	6.23	0.00	0.00	0.00	0.00	
1.17	1.22	-12.62	2.90	5.46	13.23	0.00	0.41	11.30	0.00	0.01	0.00	0.00	
1.22	1.25	-12.92	4.26	5.53	24.91	0.00	0.65	22.88	0.43	0.01	0.00	0.00	
1.25	1.30	-12.35	3.73	5.55	21.98	0.00	0.58	19.64	0.00	0.00	0.00	0.00	
1.30	1.33	-11.88	3.07	5.54	13.69	0.00	0.54	11.96	0.00	0.01	0.00	0.00	
1.33	1.38	-11.90	2.22	5.40	5.67	0.05	0.44	4.18	0.05	0.00	0.00	0.00	
1.38	1.43	-12.25	2.00	5.44	4.76	0.01	0.09	3.61	0.00	0.00	0.00	0.00	
1.43	1.48	-12.44	3.70	5.39	10.62	0.03	0.07	9.15	0.05	0.00	0.00	0.00	
1.48	1.52	-12.75	2.75	5.43	20.36	0.06	0.09	18.36	0.00	0.00	0.00	0.00	
1.52	1.56	-12.88	4.20	5.49	25.39	0.04	0.08	23.30	0.00	0.00	0.00	0.00	
1.56	1.62	-12.40	3.70	5.49	13.75	0.03	0.09	12.08	0.00	0.01	0.00	0.00	
1.62	1.67	-12.75	3.23	5.49	11.60	0.03	0.08	10.52	0.00	0.02	0.00	0.00	
1.67	1.72	-13.21	2.91	5.39	11.81	0.05	0.03	10.82	0.00	0.00	0.00	0.00	
1.72	1.75	-12.95	3.52	5.51	19.47	0.04	0.06	17.56	0.00	0.01	0.00	0.00	
1.75	1.80	-12.25	2.75	5.47	12.33	0.03	0.08	10.86	0.00	0.01	0.00	0.00	
1.80	1.85	-12.62	2.22	5.52	5.28	0.04	0.06	4.07	0.00	0.00	0.00	0.00	
1.85	1.90	-12.72	2.15	5.54	4.78	0.04	0.09	3.23	0.00	0.00	0.00	0.00	
1.90	1.93	-12.33	2.31	5.42	4.48	0.06	0.19	2.93	0.00	0.00	0.00	0.00	
1.93	1.97	-12.89	2.46	5.41	5.65	0.07	0.21	3.50	0.00	0.00	0.00	0.00	
1.97	2.02	-12.72	2.44	5.38	5.57	0.04	0.09	4.25	0.00	0.00	0.00	0.00	
2.02	2.07	-11.22	3.62	5.40	19.03	0.06	0.08	16.47	0.00	0.01	0.00	0.00	
2.07	2.12	-11.07	2.45	5.49	8.18	0.09	0.05	7.15	0.00	0.02	0.00	0.00	
2.12	2.17	-11.06	2.20	5.47	4.45	0.05	0.07	3.07	0.00	0.01	0.00	0.00	
2.17	2.22	-11.54	2.43	5.48	7.77	0.03	0.05	5.74	0.05	0.00	0.00	0.00	
2.22	2.27	-11.22	2.23	5.43	5.86	0.03	0.03	4.76	0.00	0.00	0.00	0.00	
2.27	2.31	-11.86	2.27	5.48	6.74	0.04	0.03	5.38	0.24	0.00	0.00	0.00	
2.31	2.35	-11.44	2.38	5.48	7.36	0.04	0.04	6.06	0.00	0.00	0.00	0.00	
2.35	2.40	-11.77	2.11	5.58	5.35	0.03	0.10	3.81	0.54	0.02	0.00	0.00	
2.40	2.45	-12.22	2.19	5.47	5.92	0.03	0.16	3.89	0.24	0.01	0.00	0.00	
2.45	2.50	-11.91	1.88	5.51	3.59	0.06	0.09	2.19	0.06	0.00	0.00	0.00	
2.50	2.56	-12.09	1.93	5.49	4.18	0.03	0.02	2.56	1.76	0.00	0.00	0.00	
2.56	2.62	-11.96	2.01	5.46	4.20	0.03	0.04	2.67	0.04	0.02	0.00	0.00	
2.62	2.68	-11.53	1.80	5.54	2.65	0.05	0.03	1.54	0.00	0.00	0.00	0.00	
2.68	2.74	-12.01	2.16	5.48	4.20	0.04	0.19	1.70	0.00	0.00	0.00	0.00	
2.74	2.80	-11.92	3.03	5.44	10.98	0.09	0.55	8.13	0.00	0.00	0.00	0.00	
2.80	2.84	-11.72	3.75	5.43	17.93	0.07	0.35	15.14	0.05	0.00	0.00	0.00	
2.84	2.90	-11.44	3.76	5.37	18.06	0.10	0.49	15.59	0.04	0.03	0.00	0.00	
2.90	2.95	-11.56	3.47	5.42	14.95	0.10	0.62	11.37	0.11	0.00	0.00	0.00	
2.95	3.00	-11.78	5.45	5.46	28.30	0.13	0.42	25.56	0.53	0.07	0.00	0.00	
3.00	3.05	-11.24	3.54	5.41	14.11	0.11	0.54	10.78	0.14	0.01	0.00	0.00	
3.05	3.09	-12.08	3.66	5.45	16.12	0.12	0.53	13.77	0.03	0.01	0.00	0.00	
3.09	3.15	-12.11	3.46	5.43	15.43	0.08	0.46	12.87	0.00	0.00	0.00	0.00	
3.15	3.21	-12.09	3.15	5.43	13.10	0.00	0.47	10.39	0.05	0.00	0.00	0.00	
3.21	3.27	-12.12	3.59	5.47	16.54	0.15	0.67	14.20	0.53	0.00	0.00	0.00	
3.27	3.32	-11.97	3.45	5.55	14.09	0.15	1.10	11.68	0.10	0.00	0.00	0.00	
3.32	3.37		3.01	5.54	10.34	0.15	0.92	7.95	0.09	0.00	0.00	0.00	
3.37	3.42		2.96	5.47	9.72	0.12	0.68	7.53	0.00	0.00	0.00	0.00	

Brøggerbreen in Sep., 1994: Ice Core Data Sheet

Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S}/\text{cm}$	pH	Cl ⁻ $\mu\text{mol}/\text{L}$	NO ₃ ⁻ $\mu\text{mol}/\text{L}$	SO ₄ ²⁻ $\mu\text{mol}/\text{L}$	Na ⁺ $\mu\text{mol}/\text{L}$	NH ₄ ⁺ $\mu\text{mol}/\text{L}$	K ⁺ $\mu\text{mol}/\text{L}$	Mg ²⁺ $\mu\text{mol}/\text{L}$	Ca ²⁺ $\mu\text{mol}/\text{L}$	Comments
3.42	3.45		3.46	5.52	11.10	0.11	0.69	9.09	0.00	0.00	0.00	0.00	
3.45	3.50		2.71	5.48	8.52	0.10	0.66	6.31	0.00	0.00	0.00	0.00	
3.50	3.55		2.46	5.41	7.64	0.09	0.58	5.52	0.00	0.00	0.00	0.00	
3.55	3.59		2.39	5.43	5.83	0.12	0.35	4.45	0.00	0.00	0.00	0.00	
3.59	3.65		2.53	5.42	8.21	0.10	0.31	6.77	0.00	0.02	0.00	0.00	
3.65	3.70		2.81	5.49	9.87	0.08	0.29	8.49	0.00	0.00	0.00	0.00	
3.70	3.75		3.08	5.48	11.86	0.07	0.26	10.51	0.00	0.00	0.00	0.00	
3.75	3.80		2.34	5.44	4.83	0.05	0.15	3.79	0.00	0.00	0.00	0.00	
3.80	3.85		2.12	5.46	3.33	0.03	0.00	2.33	0.00	0.03	0.00	0.00	
3.85	3.90		2.24	5.49	4.06	0.05	0.18	2.14	0.00	0.00	0.00	0.00	
3.90	3.95		3.67	5.39	17.91	0.10	0.49	14.67	0.00	0.00	0.00	0.00	
3.95	3.99		4.70	5.41	23.57	0.10	0.58	20.24	0.00	0.04	0.00	0.00	
3.99	4.03		4.18	5.33	21.42	0.08	0.60	17.49	0.00	0.00	0.00	0.00	
4.03	4.07		3.55	5.47	16.98	0.08	0.44	13.33	0.00	0.00	0.00	0.00	
4.07	4.11		3.50	5.41	16.79	0.09	0.40	13.94	0.00	0.00	0.00	0.00	
4.11	4.16		4.05	5.41	19.72	0.11	0.43	17.76	0.00	0.00	0.00	0.00	
4.16	4.21		4.28	5.41	23.11	0.11	0.50	20.38	0.00	0.04	0.00	0.00	
4.21	4.26		4.27	5.43	22.66	0.17	0.57	22.26	0.00	0.05	0.00	0.00	
4.26	4.31		3.65	5.42	18.27	0.17	0.61	16.42	0.00	0.00	0.00	0.00	
4.31	4.35		3.12	5.42	11.89	0.09	0.42	9.72	0.00	0.00	0.00	0.00	
4.35	4.40		2.92	5.43	11.94	0.09	0.49	10.34	0.00	0.02	0.00	0.00	
4.40	4.44		2.81	5.44	10.97	0.08	0.36	9.40	0.00	0.00	0.00	0.00	
4.44	4.49		2.85	5.45	10.97	0.07	0.40	9.53	0.00	0.00	0.00	0.00	
4.49	4.54		2.84	5.45	10.88	0.08	0.28	9.33	0.00	0.01	0.00	0.00	
4.54	4.59		2.68	5.42	10.78	0.09	0.22	9.67	0.00	0.00	0.00	0.00	
4.59	4.64		3.07	5.49	9.86	0.06	0.12	9.03	0.00	0.00	0.00	0.00	
4.64	4.70		2.14	5.51	6.88	0.06	0.09	5.88	0.00	0.02	0.00	0.00	
4.70	4.74		2.81	5.47	11.14	0.05	0.00	10.19	0.00	0.00	0.00	0.00	
4.74	4.79		1.91	5.50	3.92	0.03	0.00	3.04	0.00	0.00	0.00	0.00	
4.79	4.85		1.86	5.49	3.03	0.03	0.00	2.12	0.00	0.00	0.00	0.00	
4.85	4.90		1.76	5.40	2.29	0.27	0.03	1.47	0.00	0.00	0.00	0.00	
4.90	4.94		1.74	5.47	2.56	0.03	0.06	1.59	1.08	0.00	0.07	0.08	
4.94	4.99		1.95	5.47	4.28	0.05	0.06	2.79	1.29	0.00	0.05	0.06	
4.99	5.04		2.26	5.49	7.69	0.09	0.10	6.07	1.72	0.00	0.12	0.10	
5.04	5.09		2.19	5.46	5.82	0.07	0.09	4.39	1.03	0.02	0.09	0.07	
5.09	5.14		1.98	5.45	3.09	0.03	0.04	1.98	1.14	0.00	0.00	0.03	
5.14	5.18		1.92	5.42	3.58	0.03	0.04	2.21	1.67	0.00	-0.01	0.01	
5.18	5.22		1.90	5.48	4.12	0.03	0.04	2.71	1.87	0.01	0.00	0.05	
5.22	5.27		2.07	5.41	5.29	0.06	0.12	3.69	1.38	0.00	0.08	0.10	
5.27	5.32		2.53	5.38	9.29	0.07	0.12	6.68	1.40	0.00	0.09	0.06	
5.32	5.37		2.95	5.40	12.15	0.10	0.13	8.97	1.16	0.04	0.11	0.04	
5.37	5.41		3.01	5.44	11.98	0.12	0.13	8.85	1.14	0.04	0.12	0.05	
5.41	5.45		2.70	5.42	10.57	0.09	0.16	7.29	1.47	0.04	0.12	0.07	
5.45	5.50		2.99	5.43	12.15	0.09	0.09	9.48	1.07	0.05	0.06	0.03	
5.50	5.56		3.32	5.48	12.69	0.08	0.10	10.76	1.21	0.05	0.06	0.02	
5.56	5.62		3.09	5.43	13.30	0.11	0.10	11.62	1.25	0.07	0.15	0.09	
5.62	5.67		3.07	5.48	12.87	0.08	0.09	11.34	1.20	0.09	0.08	0.10	
5.67	5.72		2.81	5.48	11.92	0.09	0.05	10.42	0.89	0.00	0.07	0.08	
5.72	5.77		2.89	5.49	10.96	0.11	0.05	9.16	1.20	0.00	0.05	0.04	
5.77	5.81		2.72	5.48	9.98	0.12	0.07	8.37	0.84	0.03	0.06	0.05	
5.81	5.85		2.52	5.52	9.52	0.19	0.17	7.97	1.69	0.04	0.11	0.08	
5.85	5.90		1.83	5.49	3.13	0.07	0.08	2.35	1.29	0.00	0.06	0.05	
5.90	5.95		1.71	5.47	2.06	0.04	0.06	1.23	1.51	0.01	0.04	0.05	
5.95	6.00		1.73	5.42	2.14	0.03	0.05	1.51	1.19	0.00	0.03	0.04	
6.00	6.05		1.70	5.53	2.13	0.04	0.05	1.23	1.45	0.00	0.03	0.01	
6.05	6.10		1.84	5.53	2.70	0.06	0.08	1.43	1.94	0.00	0.07	0.04	
6.10	6.15		2.38	5.52	8.39	0.09	0.07	7.16	0.89	0.00	0.06	0.03	
6.15	6.20		3.54	5.53	17.66	0.10	0.06	16.91	1.21	0.07	0.05	0.03	
6.20	6.24		2.42	5.48	8.92	0.09	0.09	7.48	1.03	0.04	0.07	0.03	
6.24	6.28		1.95	5.52	4.39	0.12	0.20	3.23	0.81	0.00	0.19	0.26	
6.28	6.33		1.90	5.50	3.26	0.10	0.18	2.23	0.61	0.00	0.15	0.18	
6.33	6.38		1.80	5.58	2.85	0.06	0.07	1.61	1.19	0.00	0.09	0.15	
6.38	6.43		2.03	5.57	5.46	0.07	0.11	4.48	0.95	0.00	0.20	0.22	
6.43	6.48		2.78	5.55	11.62	0.08	0.04	9.97	0.83	0.03	0.08	0.15	
6.48	6.53		2.53	5.53	10.40	0.08	0.05	8.56	1.16	0.06	0.09	0.19	
6.53	6.58		2.22	5.58	6.97	0.07	0.03	5.54	1.15	0.03	0.00	0.12	
6.58	6.63		1.92	5.56	4.65	0.06	0.14	3.59	1.28	0.03	0.26	0.35	

Brøggerbreen in Sep., 1994: Ice Core Data Sheet

Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	Cl^- $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
6.63	6.68		1.82	5.56	2.85	0.05	0.05	2.05	1.24	0.00	0.05	0.13	
6.68	6.72		1.81	5.64	3.04	0.04	0.04	2.18	0.77	0.00	0.04	0.12	
6.72	6.76		1.78	5.51	2.70	0.05	0.05	1.78	1.26	0.03	0.05	0.18	
6.76	6.80		1.67	5.53	2.01	0.04	0.06	1.20	1.17	0.00	0.06	0.13	
6.80	6.85		1.60	5.59	1.87	0.02	0.09	1.11	1.13	0.00	0.11	0.16	
6.85	6.90		1.96	5.53	4.10	0.12	0.10	3.15	0.61	0.03	0.12	0.19	
6.90	6.95		2.07	5.54	5.05	0.13	0.12	3.98	0.69	0.04	0.12	0.12	
6.95	7.00		1.86	5.51	3.17	0.10	0.16	2.33	0.65	0.02	0.13	0.11	
7.00	7.05		1.95	5.51	2.54	0.10	0.16	1.57	1.05	0.00	0.17	0.13	
7.05	7.10		2.24	5.56	5.38	0.16	0.24	3.75	1.45	0.00	0.27	0.24	
7.10	7.15		3.53	5.52	12.42	0.25	0.15	15.43	0.89	0.00	0.11	0.13	
7.15	7.20		3.43	5.54	16.62	0.21	0.15	15.16	0.70	0.00	0.11	0.13	
7.20	7.25		2.62	5.55	11.54	0.16	0.14	9.58	0.96	0.00	0.10	0.13	
7.25	7.30		2.70	5.44	12.05	0.12	0.09	10.59	0.94	0.00	0.05	0.05	
7.30	7.35		2.39	5.46	9.05	0.08	0.05	7.26	0.89	0.00	-0.02	0.01	
7.35	7.40		1.83	5.39	4.03	0.05	0.06	3.09	0.51	0.00	-0.01	0.01	
7.40	7.45		1.77	5.49	3.24	0.07	0.06	2.19	0.81	0.00	0.11	0.13	
7.45	7.50		1.63	5.57	2.80	0.04	0.04	1.97	1.26	0.00	-0.01	0.04	
7.50	7.58		1.81	5.55	3.60	0.04	0.04	2.60	0.99	0.00	-0.02	0.01	
7.58	7.62		1.59	5.38	2.40	0.04	0.04	1.48	1.40	0.00	-0.04	0.00	
7.62	7.67		1.49	5.51	1.69	0.05	0.06	0.97	1.29	0.00	-0.01	0.02	
7.67	7.72		1.87	5.47	3.80	0.13	0.15	2.31	2.48	0.00	0.01	0.03	
7.72	7.77		1.80	5.48	2.92	0.08	0.13	1.85	1.16	0.00	0.01	0.04	
7.77	7.82		1.69	5.48	2.65	0.09	0.13	1.76	1.65	0.00	0.10	0.07	
7.82	7.86		1.66	5.45	2.18	0.07	0.08	1.39	0.90	0.00	0.05	0.08	
7.86	7.91		1.57	5.50	1.80	0.05	0.07	1.08	1.14	0.00	0.04	0.04	
7.91	7.97		1.60	5.55	2.04	0.05	0.09	1.28	1.30	0.00	0.06	0.03	
7.97	8.03		1.78	5.49	3.42	0.05	0.06	2.33	0.75	0.00	0.03	0.06	
8.03	8.08		1.65	5.46	2.27	0.04	0.10	1.60	1.42	0.00	0.21	0.16	
8.08	8.13		1.73	5.48	1.95	0.05	0.08	1.19	0.93	0.00	0.06	0.05	
8.13	8.18		1.65	5.52	2.23	0.03	0.09	1.51	1.49	0.00	0.19	0.21	
8.18	8.23		1.68	5.39	2.34	0.05	0.08	1.70	0.92	0.00	0.08	0.11	
8.23	8.28		1.69	5.51	2.11	0.04	0.05	1.29	1.51	0.00	0.04	0.05	
8.28	8.33		1.72	5.57	1.97	0.05	0.09	1.25	0.53	0.00	0.12	0.09	
8.33	8.38		1.84	5.50	3.72	0.09	0.11	2.84	0.90	0.00	0.09	0.12	
8.38	8.43		1.77	5.44	2.36	0.10	0.14	1.50	0.88	0.00	0.14	0.10	
8.43	8.48		2.02	5.43	5.12	0.15	0.15	4.28	0.99	0.00	0.13	0.13	
8.48	8.53		2.19	5.47	6.29	0.16	0.16	5.21	0.34	0.02	0.22	0.17	
8.53	8.58		2.01	5.46	4.80	0.13	0.13	4.09	0.20	0.00	0.11	0.10	
8.58	8.63		1.78	5.45	2.93	0.07	0.10	2.22	0.35	0.00	0.09	0.08	
8.63	8.67		1.62	5.48	1.81	0.02	0.06	1.00	0.65	0.01	0.04	0.02	
8.67	8.72		1.64	5.38	2.07	0.03	0.04	1.25	0.87	0.00	0.00	0.02	
8.72	8.77		1.67	5.54	2.54	0.04	0.05	1.81	0.74	0.00	0.03	0.06	
8.77	8.82		1.82	5.42	2.13	0.04	0.04	1.23	0.53	0.00	-0.01	0.02	
8.82	8.87		2.00	5.48	5.04	0.06	0.05	3.82	0.30	0.01	0.02	0.01	
8.87	8.92		1.98	5.43	4.24	0.05	0.09	3.04	0.37	0.01	0.04	0.03	
8.92	8.97		1.62	5.38	1.87	0.02	0.03	1.11	0.43	0.00	-0.02	0.02	
8.97	9.01				1.97	0.01	0.01	1.20	0.18	0.00	-0.01	0.01	
9.01	9.05		1.64	5.46	1.98	0.03	0.04	1.19	0.64	0.00	0.01	0.03	
9.05	9.10		2.61	5.52	10.96	0.11	0.10	9.32	0.61	0.10	0.07	0.05	
9.10	9.15		2.34	5.45	8.05	0.07	0.09	6.67	0.35	0.01	0.07	0.01	
9.15	9.20		2.00	5.53	5.31	0.06	0.10	4.18	0.73	0.00	0.15	0.10	
9.20	9.25		1.73	5.53	2.07	0.02	0.05	1.42	0.66	0.01	0.04	0.00	
9.25	9.31		1.64	5.51	2.12	0.03	0.03	1.29	0.40	0.03	0.02	0.02	
9.31	9.36		1.65	5.44	2.11	0.03	0.02	1.19	0.77	0.02	0.03	0.04	
9.36	9.42		1.67	5.60	2.00	0.02	0.10	1.23	1.84	0.07	0.17	0.25	
9.42	9.47		1.50	5.58	1.61	0.01	0.03	0.88	0.67	0.00	0.04	0.06	
9.47	9.52		1.56	5.56	1.47	0.02	0.01	0.70	1.12	0.01	0.02	-0.02	
9.52	9.56		1.54	5.53	1.18	0.01	0.01	0.47	0.29	0.01	-0.01	-0.02	

Ásgårdfonna in Jun. - Jul., 1993: Ice Core Data Sheet

Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S}/\text{cm}$	pH	Cl ⁻ $\mu\text{mol}/\text{L}$	NO ₃ ⁻ $\mu\text{mol}/\text{L}$	SO ₄ ²⁻ $\mu\text{mol}/\text{L}$	Na ⁺ $\mu\text{mol}/\text{L}$	NH ₄ ⁺ $\mu\text{mol}/\text{L}$	K ⁺ $\mu\text{mol}/\text{L}$	Mg ²⁺ $\mu\text{mol}/\text{L}$	Ca ²⁺ $\mu\text{mol}/\text{L}$	Comments
0.00	0.05	-20.58	1.62	5.62	4.12	0.15	0.20	3.92	1.11	0.46	1.21	7.12	
0.05	0.10	-18.82	1.35	5.65	4.05	0.19	0.18	3.93	0.51	0.18	0.11	0.50	
0.10	0.13	-18.40	1.48	5.76	4.42	0.64	0.32	3.22	2.19	0.18	0.23	1.33	
0.13	0.21	-19.35	1.27	5.73	3.14	0.58	0.45	2.68	1.12	0.19	0.30	1.32	
0.21	0.29	-18.53	1.43	5.57	3.10	0.74	0.57	2.46	1.00	0.22	0.16	0.71	
0.29	0.36	-17.71	1.33	5.58	2.70	0.61	0.36	2.28	0.69	0.13	0.09	0.25	
0.36	0.40	-18.06	1.71	5.51	4.20	0.54	0.27	2.70	0.79	0.07	0.08	0.25	
0.40	0.48	-17.52	1.43	5.59	2.47	0.54	0.50	2.15	0.96	0.07	0.13	0.27	
0.48	0.50	-18.42	1.61	5.48	3.93	0.38	0.33	2.41	0.71	0.13	0.17	0.30	
0.50	0.53	-18.20	2.06	5.42	4.83	0.60	0.63	2.58	1.02	0.12	0.23	0.33	
0.53	0.65	-18.19	2.04	5.44	4.62	0.56	0.45	2.92	0.82	0.11	0.13	0.21	
0.65	0.72	-18.14	2.22	5.44	5.61	0.71	0.64	3.87	0.74	0.09	0.16	0.20	
0.72	0.79	-19.09	3.10	5.34	12.56	0.60	0.48	8.76	1.26	0.11	0.22	0.17	
0.79	0.87	-19.42	3.30	5.33	11.01	0.75	0.75	7.14	1.40	0.11	0.34	0.40	
0.87	0.90	-19.51	1.74	5.58	5.90	0.42	0.38	4.29	0.94	0.08	0.20	0.83	
0.90	0.93	-20.10	1.59	5.60	5.10	0.32	0.30	3.39	1.28	0.08	0.10	0.37	
0.93	1.02	-19.95	2.80	5.62	10.12	0.77	1.03	7.82	1.08	0.16	0.53	0.55	
1.02	1.10	-20.40	2.60	5.49	10.36	0.79	0.86	7.82	1.02	0.11	0.51	0.48	
1.10	1.16	-21.64	3.88	5.28	14.81	0.78	0.54	8.60	1.82	0.13	0.29	0.27	
1.16	1.29	-20.06	2.83	5.36	6.34	1.08	2.02	5.26	1.39	0.11	0.63	0.65	
1.29	1.31	-20.19	3.34	5.29	8.53	1.21	0.95	4.76	1.66	0.09	0.32	0.29	
1.31	1.57	-20.10	2.75	5.40	7.80	0.98	1.36	5.76	1.90	0.20	0.58	0.63	
1.57	1.67	-17.98	2.54	6.04	6.01	1.52	0.37	15.22	1.66	0.30	0.29	0.00	
1.67	1.77	-19.66	9.46	7.16	6.45	7.65	0.62	107.42	0.74	0.89	0.17	1.07	
1.77	1.86	-20.00	10.60	7.30	26.82	13.51	1.05	170.04	0.40	1.37	0.22	0.06	
1.86	1.96	-19.06	10.60	7.02	5.86	8.88	0.67	126.50	1.55	0.99	0.14	0.79	
1.96	2.06	-17.77	13.30	7.29	15.73	12.75	1.69	162.29	1.08	1.42	0.59	2.41	
2.06	2.16	-16.30	9.37	6.93	9.71	6.79	0.82	96.80	0.83	0.94	0.45	1.94	
2.16	2.26	-16.72	8.82	6.76	7.39	6.60	0.92	97.12	0.55	0.89	0.39	1.32	
2.26	2.36	-21.14	7.36	6.69	13.72	5.04	0.80	74.57	0.75	0.71	0.32	0.00	
2.36	2.46	-22.19	5.54	6.39	11.53	3.39	0.63	47.34	0.69	0.65	0.27	0.00	
2.46	2.56	-18.62	5.27	6.20	11.78	1.71	1.13	26.81	1.23	1.10	2.76	6.31	
2.56	2.66	-19.14	12.90	4.79	23.22	3.82	2.09	41.35	1.13	5.40	1.30	3.58	
2.66	2.76	-18.92	2.28	5.67	4.05	0.75	0.56	6.44	1.35	0.32	0.29	0.11	
2.76	2.85	-16.99	6.85	6.42	14.50	5.43	2.00	55.59	2.94	1.30	1.08	3.01	
2.85	2.95	-17.00	8.25	6.54	15.33	6.53	2.17	73.43	1.19	1.64	0.87	2.32	
2.95	3.04	-17.02	11.20	6.75	19.88	10.74	2.74	132.57	1.13	2.60	1.51	2.81	
3.04	3.13	-17.28	12.10	6.79	19.44	11.24	2.49	131.23	1.97	2.67	0.93	1.86	
3.13	3.23	-17.18	9.90	6.72	13.05	8.87	1.81	120.61	1.70	2.05	0.95	2.71	
3.23	3.32	-17.43	9.24	6.23	27.95	5.10	5.76	55.05	6.80	4.94	3.55	3.79	
3.32	3.41	-18.64	5.40	5.66	22.81	3.60	3.72	24.78	4.28	1.46	1.52	1.95	
3.41	3.51	-17.79	6.30	5.30	27.89	2.46	2.90	24.46	3.94	0.95	1.41	1.35	
3.51	3.60	-17.65	2.02	5.51	3.25	0.39	0.56	3.57	2.57	0.25	0.26	0.06	
3.60	3.67	-16.22	5.39	6.31	6.04	4.80	1.35	47.30	1.83	1.01	0.41	0.00	
3.67	3.74	-16.11	10.50	6.53	11.31	10.31	2.46	101.41	2.43	2.25	0.53	2.96	
3.74	3.81	-15.97	10.60	6.51	11.57	10.28	2.18	91.95	1.97	2.16	0.77	3.89	
3.81	3.87	-15.75	7.83	6.41	8.23	6.93	1.61	64.58	1.90	1.53	0.55	3.09	
3.87	3.94	-17.43	4.65	6.32	6.10	4.08	1.09	38.34	1.68	0.84	0.20	1.83	
3.94	4.01	-17.79	1.76	5.66	2.41	0.42	0.15	2.63	2.17	0.20	0.07	0.00	
4.01	4.08	-16.65	1.81	5.70	2.77	0.58	0.23	4.94	2.16	0.27	0.09	0.00	
4.08	4.15	-17.21	2.02	5.79	3.72	0.78	0.28	7.44	2.43	0.39	0.00	0.33	
4.15	4.22	-17.55	3.75	5.94	8.94	2.14	0.62	21.98	4.70	1.24	0.44	0.88	
4.22	4.29	-17.68	5.43	6.35	10.34	4.58	1.78	46.85	0.47	0.66	1.03	2.09	
4.29	4.36	-17.89	4.60	6.39	9.54	3.75	1.48	38.90	1.60	0.66	0.80	0.00	
4.36	4.44	-19.51	3.29	6.17	6.32	2.53	1.35	23.94	1.07	0.34	0.66	0.00	
4.44	4.51	-19.40	5.24	6.42	10.61	1.21	2.49	41.95	0.44	0.80	1.31	2.30	
4.51	4.58	-18.34	3.24	6.16	6.90	2.02	1.24	22.82	0.51	0.38	0.68	1.22	
4.58	4.66	-17.90	2.26	5.86	4.18	1.61	0.68	11.62	2.22	0.19	0.40	1.06	
4.66	4.73	-18.38	1.93	5.73	3.40	1.09	0.63	7.83	1.40	0.98	0.00	0.36	
4.73	4.81	-18.97	2.87	5.69	9.36	1.52	0.65	13.35	2.62	0.65	0.31	0.44	
4.81	4.87	-18.49	8.07	6.41	16.47	6.96	2.41	65.69	9.32	2.33	0.88	1.69	
4.87	4.94	-17.57	3.92	6.03	14.42	2.23	1.00	26.50	2.93	0.63	0.46	0.95	
4.94	5.00	-19.60	3.89	6.14	10.70	2.57	0.87	26.23	4.30	0.79	0.34	0.86	
5.00	5.07	-21.68	2.85	5.19	7.70	1.87	0.69	15.44	4.04	0.47	0.00	0.55	
5.07	5.13	-18.26	3.94	6.14	7.15	2.67	0.83	25.30	4.82	1.06	0.57	1.36	
5.13	5.20	-18.95	5.06	6.36	9.99	3.90	1.11	38.33	5.11	1.36	0.58	1.24	
5.20	5.26	-17.96	2.98	6.12	6.23	1.80	0.57	17.15	3.50	0.80	0.32	0.72	
5.26	5.33	-17.98	1.95	5.61	3.84	0.65	0.35	4.01	3.28	0.36	0.25	0.00	

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	Cl $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na ⁺ $\mu\text{mol/L}$	NH ₄ ⁺ $\mu\text{mol/L}$	K ⁺ $\mu\text{mol/L}$	Mg ²⁺ $\mu\text{mol/L}$	Ca ²⁺ $\mu\text{mol/L}$	Comments
5.33	5.40	-18.82	2.19	5.61	5.25	0.98	0.60	5.01	3.60	0.40	0.30	0.62	
5.40	5.46	-18.62	2.32	5.63	5.37	1.01	0.63	5.57	4.13	0.46	0.27	0.40	
5.46	5.53	-19.43	3.99	5.77	9.42	1.48	0.84	15.47	9.83	1.57	0.54	1.40	
5.53	5.59	-19.49	2.51	5.70	6.23	1.13	0.61	5.94	5.52	0.58	0.28	0.60	
5.59	5.66	-19.75	2.31	5.68	5.50	0.85	0.58	5.96	3.97	0.45	0.27	0.71	
5.66	5.72	-19.47	2.26	5.77	5.82	0.89	0.49	7.76	4.75	0.59	0.23	0.58	
5.72	5.79	-20.78	2.97	5.84	6.53	1.19	0.59	9.70	6.04	1.11	0.31	0.71	
5.79	5.86	-19.09	2.19	5.77	4.94	0.89	0.58	6.64	4.30	0.61	0.29	0.79	
5.86	5.92	-19.47	2.02	5.55	3.01	0.85	0.57	3.47	2.82	0.18	0.24	0.08	
5.92	5.99	-19.31	3.24	5.45	11.80	0.97	0.75	10.15	3.03	0.17	0.42	0.24	
5.99	6.06	-19.41	2.28	5.61	4.13	1.01	0.89	4.93	3.19	0.26	0.28	0.70	
6.06	6.13	-18.65	2.14	5.59	3.77	0.84	0.94	5.00	1.85	0.25	0.41	0.78	
6.13	6.20	-18.80	3.62	5.46	10.19	2.31	2.00	9.86	3.84	0.44	0.54	0.00	
6.20	6.27	-18.49	3.51	5.45	10.10	2.30	1.99	9.80	3.58	0.44	0.54	0.00	
6.27	6.34	-18.50	3.16	5.55	9.23	1.86	1.51	8.95	2.57	0.39	0.53	1.09	
6.34	6.41	-18.11	2.79	5.43	5.89	1.32	1.00	4.75	2.23	0.32	0.30	0.71	
6.41	6.48	-18.15	2.49	5.47	5.30	0.83	0.86	4.63	1.57	0.15	0.32	0.56	
6.48	6.55	-18.14	2.60	5.43	5.88	0.98	0.82	4.30	1.66	0.11	0.48	0.44	
6.55	6.62	-18.29	2.63	5.42	5.60	1.03	0.75	4.48	1.72	0.20	0.21	0.00	
6.62	6.69	-18.44	3.07	5.46	9.15	1.52	1.51	8.71	2.88	0.51	0.48	0.63	
6.69	6.76	-18.31	5.73	5.15	11.71	2.02	1.89	15.04	4.55	1.00	0.59	1.91	
6.76	6.83	-18.55	3.05	5.46	8.22	1.67	1.17	8.62	2.54	0.42	0.27	0.00	
6.83	6.91	-18.65	2.36	5.53	5.25	1.19	1.00	5.57	2.32	0.33	0.26	0.21	
6.91	6.98	-18.18	2.68	5.53	7.55	1.50	1.08	6.75	3.86	0.33	0.23	0.08	
6.98	7.06	-19.71	2.37	5.50	5.63	1.11	0.97	6.04	1.97	0.22	0.21	0.39	
7.06	7.13	-18.26	2.21	5.53	4.31	1.11	0.62	5.38	1.74	0.67	0.25	0.09	
7.13	7.21	-18.11	2.38	5.46	4.62	1.19	0.79	5.05	2.11	0.18	0.07	0.10	
7.21	7.28	-19.44	6.37	5.07	20.61	3.11	2.54	13.14	3.21	0.34	0.57	0.89	
7.28	7.36	-19.71	4.87	5.18	13.76	2.28	1.75	9.62	3.37	0.31	0.37	0.10	
7.36	7.43	-20.14	5.86	5.09	17.97	2.34	1.99	11.47	3.28	0.31	0.45	0.05	
7.43	7.51	-19.67	4.81	5.17	14.60	2.61	1.41	10.05	2.19	0.26	0.40	0.43	
7.51	7.58	-20.23	3.53	5.29	7.87	1.54	1.26	6.85	1.64	0.24	0.31	0.10	
7.58	7.66	-19.96	3.27	5.33	7.11	1.45	1.44	6.78	1.70	0.25	0.30	0.12	
7.66	7.73	-19.77	4.61	5.18	10.17	1.95	1.67	9.10	1.36	0.24	0.38	0.78	
7.73	7.81	-18.54	4.48	5.17	7.38	2.34	1.48	7.15	2.31	0.28	0.39	0.05	
7.81	7.88	-18.41	3.79	5.27	8.02	2.46	1.55	7.00	2.01	0.20	0.27	0.04	
7.88	7.96	-18.64	3.90	5.26	8.25	2.10	1.43	7.77	2.04	0.28	0.34	0.00	
7.96	8.03	-18.12	3.89	5.27	10.46	2.40	1.57	10.43	2.16	0.29	0.34	0.32	
8.03	8.11	-17.97	4.47	5.34	11.58	2.80	2.44	10.74	2.32	0.37	0.51	0.00	
8.11	8.18	-17.88	2.88	5.38	4.10	1.82	1.56	5.07	1.97	0.14	0.30	0.07	
8.18	8.26	-17.76	3.81	5.20	5.23	1.67	1.52	4.90	2.53	0.13	0.21	0.12	
8.26	8.33	-17.90	3.36	5.31	8.02	1.90	2.10	8.59	2.15	0.38	0.32	0.17	
8.33	8.41	-17.70	3.26	5.30	5.80	1.52	1.74	5.40	2.15	0.34	0.00	0.13	
8.41	8.48	-17.72	3.43	5.30	6.99	1.72	1.70	5.26	2.17	0.23	0.32	0.22	
8.48	8.55	-17.91	3.34	5.33	6.48	1.64	1.50	6.29	2.40	0.22	0.19	0.00	
8.55	8.62	-17.71	3.07	5.47	5.71	1.91	1.67	6.50	2.60	0.23	0.31	0.00	
8.62	8.69	-17.45	2.33	5.50	2.86	0.84	1.26	4.57	2.47	0.13	0.32	0.54	
8.69	8.77	-17.14	2.20	5.51	2.66	0.55	1.10	3.94	2.30	0.15	0.18	0.20	
8.77	8.84	-17.91	2.35	5.51	3.61	0.81	1.00	4.08	3.07	0.12	0.12	0.84	
8.84	8.91	-17.91	2.60	5.43	3.93	1.16	1.23	4.55	2.63	0.10	0.19	0.36	
8.91	8.98	-16.36	3.30	5.35	4.45	1.61	1.49	4.16	4.19	0.18	0.15	0.00	
8.98	9.05	-18.30	2.53	5.45	3.28	0.87	1.63	4.07	2.65	0.17	0.29	0.01	
9.05	9.12	-18.01	3.18	5.35	4.75	1.42	1.29	5.56	2.27	0.25	0.22	0.02	
9.12	9.19	-18.24	3.08	5.31	4.99	1.28	1.45	4.26	3.22	0.18	0.05	0.00	
9.19	9.27	-17.34	2.05	5.48	2.74	0.71	0.55	2.76	2.66	0.18	0.09	0.09	
9.27	9.34	-17.14	1.88	5.53	2.24	0.61	0.50	2.61	2.42	0.10	0.18	0.37	
9.34	9.41	-17.14	1.86	5.54	2.76	0.64	0.54	3.20	1.66	0.15	0.19	0.13	
9.41	9.48	-17.19	2.21	5.58	4.49	0.82	0.91	5.03	3.07	0.26	0.30	0.05	
9.48	9.57	-18.04	2.44	5.54	5.77	0.78	1.01	5.95	2.36	0.17	0.30	0.88	
9.57	9.65	-17.77	2.66	5.43	6.54	0.91	0.85	6.07	0.82	0.67	0.35	0.77	
9.65	9.74	-17.86	2.44	5.47	6.05	0.79	0.82	5.76	1.65	0.48	0.23	0.70	
9.74	9.83	-17.59	1.80	5.50	1.79	0.21	0.41	2.08	1.07	0.00	0.09	0.35	
9.83	9.92	-17.14	1.99	5.58	4.10	0.38	0.74	4.66	1.29	0.10	0.25	0.68	
9.92	10.00	-18.03	2.19	5.51	4.41	0.61	0.82	4.68	1.66	0.11	0.20	0.63	
10.00	10.09	-17.77	2.50	5.47	5.37	0.99	1.18	4.30	2.29	0.18	0.28	0.75	
10.09	10.18	-18.74	2.61	5.43	6.44	0.89	0.86	4.76	2.07	0.15	0.25	0.97	
10.18	10.27	-18.32	2.54	5.46	5.69	0.79	0.78	4.10	2.31	0.16	0.21	0.58	
10.27	10.35	-17.93	2.07	5.56	4.05	0.43	0.63	4.05	1.87	0.12	0.24	0.83	

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. µS/cm	pH	Cl ⁻ µmol/L	NO ₃ ⁻ µmol/L	SO ₄ ²⁻ µmol/L	Na ⁺ µmol/L	NH ₄ ⁺ µmol/L	K ⁺ µmol/L	Mg ²⁺ µmol/L	Ca ²⁺ µmol/L	Comments
10.35	10.44	-19.05	2.07	5.57	4.52	0.42	0.63	4.56	1.86	0.15	0.16	0.50	
10.44	10.52	-18.25	2.15	5.62	4.70	0.54	0.61	5.18	1.60	0.18	0.34	1.12	
10.52	10.61	-17.95	2.58	5.60	7.54	0.65	0.67	7.33	1.47	0.24	0.42	1.24	
10.61	10.69	-18.92	2.96	5.66	11.43	0.87	1.16	11.99	3.07	0.37	0.46	1.62	
10.69	10.77	-18.45	2.44	5.56	5.30	0.90	0.99	6.11	2.27	0.30	0.39	1.16	
10.77	10.86	-19.30	3.29	5.48	10.38	1.16	1.61	8.17	2.25	0.20	0.86	1.58	
10.86	10.94	-19.12	3.51	5.49	13.14	0.95	1.41	10.38	2.06	0.31	0.52	1.60	
10.94	11.02	-19.31	2.78	5.60	8.44	0.79	1.27	9.56	2.19	0.29	0.45	1.12	
11.02	11.11	-20.30	2.67	5.61	8.41	0.58	1.16	8.94	2.09	0.22	0.41	0.88	
11.11	11.19	-19.90	3.12	5.48	9.27	1.35	1.65	8.99	1.86	0.31	0.42	0.85	
11.19	11.27	-19.18	2.76	5.54	6.14	0.97	1.56	7.00	1.89	0.25	0.45	0.00	
11.27	11.36	-18.49	2.95	5.58	8.43	0.91	1.78	9.48	2.72	0.34	0.59	0.85	
11.36	11.43	-18.22	2.82	5.61	8.84	0.66	0.89	9.30	2.02	0.27	0.49	0.53	
11.43	11.50	-18.80	2.44	5.54	6.44	0.41	0.50	6.53	1.83	0.14	0.16	0.40	
11.50	11.57	-18.68	2.51	5.55	7.00	0.58	0.76	7.02	1.66	0.12	0.23	0.00	
11.57	11.65	-17.96	2.57	5.55	7.87	0.81	1.02	7.48	1.74	0.10	0.23	0.34	
11.65	11.72	-18.47	2.85	5.52	9.36	0.75	0.72	8.92	2.05	0.12	0.17	0.27	
11.72	11.79	-18.63	2.90	5.52	9.19	0.73	0.83	9.47	2.48	0.17	0.20	0.41	
11.79	11.87	-19.01	3.60	5.52	13.85	0.85	0.86	14.78	2.08	0.29	0.26	0.47	
11.87	11.94	-19.01	2.87	5.48	9.01	1.14	1.30	8.63	2.17	0.37	0.42	0.00	
11.94	12.01	-18.74	2.71	5.54	8.36	1.03	1.06	8.11	2.04	0.01	0.41	1.01	
12.01	12.08	-18.44	2.23	5.60	5.44	0.82	1.00	6.36	1.72	0.22	0.00	1.36	
12.08	12.16	-19.39	2.68	5.61	8.57	1.00	0.99	9.33	2.47	0.28	0.00	0.81	
12.16	12.23	-19.39	5.96	5.20	25.94	2.51	1.97	20.09	2.95	0.49	0.00	0.47	
12.23	12.30	-19.24	2.42	5.50	5.03	0.83	0.58	5.19	1.86	0.14	0.72	1.34	
12.30	12.37	-18.87	2.10	5.62	4.22	0.94	0.80	5.65	1.88	0.17	0.00	0.00	
12.37	12.44	-19.44	2.41	5.55	7.02	1.12	1.04	6.64	2.50	0.24	0.00	0.73	
12.44	12.51	-18.50	2.02	5.53	3.99	0.62	0.40	3.88	1.63	0.12	0.00	0.46	
12.51	12.58	-19.24	2.56	5.62	7.65	0.96	0.75	7.92	2.29	0.25	0.00	0.82	
12.58	12.65	-18.35	1.96	5.64	4.46	0.90	0.70	5.48	1.89	0.18	0.00	0.76	
12.65	12.72	-18.40	1.83	5.69	3.72	1.00	0.52	5.30	1.32	0.10	0.00	0.85	
12.72	12.79	-19.08	3.49	5.53	15.42	1.73	1.15	14.44	1.47	0.47	0.00	1.13	
12.79	12.86	-19.61	6.65	5.37	26.55	2.89	4.11	24.13	3.05	0.81	1.41	4.89	
12.86	12.93	-19.70	4.23	5.38	13.25	1.92	2.20	11.00	3.06	0.42	0.54	1.91	
12.93	13.00	-18.62	3.00	5.57	5.72	1.10	2.48	6.28	3.16	0.38	0.58	2.07	
13.00	13.07	-18.56	4.08	5.30	9.32	2.17	2.09	7.31	3.15	0.31	0.41	1.65	
13.07	13.14	-19.14	2.96	5.44	6.48	1.42	1.20	5.51	2.65	0.19	0.00	0.89	
13.14	13.22	-19.20	5.83	5.09	14.80	0.07	0.61	14.54	1.12	2.06	0.00	0.88	
13.22	13.31	-18.66	2.27	5.59	5.26	0.68	0.65	5.79	2.10	0.40	0.00	0.68	
13.31	13.39	-17.82	2.06	5.60	4.54	0.63	0.47	5.34	2.02	0.48	0.00	0.59	
13.39	13.47	-18.04	1.90	5.57	3.60	0.57	0.44	3.13	1.61	0.22	0.00	0.74	
13.47	13.56	-19.33	1.65	5.57	2.80	0.42	0.44	2.44	1.71	0.19	0.00	0.53	
13.56	13.64	-18.59	2.75	5.41	5.37	1.40	0.74	4.52	2.51	0.70	0.00	0.62	
13.64	13.72	-18.17	2.45	5.45	4.56	1.07	0.77	3.51	2.90	0.41	0.00	0.59	
13.72	13.81	-18.53	2.53	5.47	5.03	0.91	0.51	4.08	2.64	0.61	0.00	0.33	
13.81	13.89	-17.59	2.09	5.55	4.41	0.51	0.54	4.62	0.80	0.85	0.00	0.50	
13.89	13.98	-18.42	2.34	5.51	5.62	0.70	0.59	4.71	1.99	0.64	0.00	0.55	
13.98	14.05	-17.28	2.58	5.45	5.89	0.73	0.53	4.63	1.53	0.58	0.32	0.50	
14.05	14.12	-19.52	2.74	5.38	6.63	0.83	0.72	5.83	1.27	0.40	0.36	0.56	
14.12	14.19	-18.50	2.82	5.46	10.08	0.88	0.86	7.36	1.80	0.46	0.65	0.71	
14.19	14.26	-18.69	2.83	5.40	9.19	0.92	0.95	7.22	2.36	0.44	0.47	0.47	
14.26	14.33	-19.74	2.71	5.34	6.53	1.04	0.91	5.34	1.78	0.05	0.28	0.48	
14.33	14.40	-18.36	2.54	5.41	5.39	1.13	0.94	4.76	1.58	0.24	0.20	0.46	
14.40	14.47	-19.52	3.06	5.38	6.89	0.90	0.96	5.44	1.33	0.00	0.29	0.70	
14.47	14.54	-18.23	2.64	5.57	7.80	1.07	1.16	7.85	1.72	0.34	0.34	1.14	
14.54	14.61	-18.47	2.64	5.53	13.87	1.26	1.13	12.15	1.55	0.38	0.82	0.84	
14.61	14.68	-18.59	2.64	5.47	6.30	1.22	1.02	5.96	1.54	0.20	0.27	0.55	
14.68	14.75	-19.16	5.83	5.12	16.13	2.83	2.79	10.73	1.65	0.30	0.59	1.63	
14.75	14.82	-18.81	3.43	5.41	11.24	1.17	1.22	9.45	1.05	0.21	0.40	0.93	
14.82	14.89	-18.38	3.32	5.41	8.55	1.33	1.93	7.53	1.58	0.19	0.61	0.97	
14.89	14.96	-19.51	4.33	5.32	19.10	1.36	2.20	15.38	1.74	0.26	0.89	1.59	
14.96	15.03	-18.75	3.94	5.41	12.71	1.39	2.58	11.59	1.44	0.37	0.82	1.40	
15.03	15.09	-17.56	4.21	5.36	12.53	1.10	2.86	10.95	1.84	0.35	1.05	1.38	
15.09	15.16	-18.06	3.84	5.38	12.22	1.12	2.06	10.07	1.69	0.17	1.30	1.05	
15.16	15.23	-18.49	3.94	5.38	12.47	1.35	1.86	10.83	3.35	0.26	1.32	0.78	
15.23	15.30	-18.37	4.06	5.42	16.55	1.52	1.37	14.53	0.97	0.34	0.36	0.95	
15.30	15.37	-17.69	5.02	5.48	22.34	1.49	2.11	21.37	1.03	1.31	1.05	2.03	
15.37	15.44	-17.12	3.34	5.44	10.39	0.58	1.09	9.74	0.00	0.45	0.48	0.89	

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. µS/cm	pH	Cl ⁻ µmol/L	NO ₃ ⁻ µmol/L	SO ₄ ²⁻ µmol/L	Na ⁺ µmol/L	NH ₄ ⁺ µmol/L	K ⁺ µmol/L	Mg ²⁺ µmol/L	Ca ²⁺ µmol/L	Comments
15.44	15.50	-16.64	3.51	5.51	13.43	0.97	1.42	11.60	1.18	0.64	0.50	1.15	
15.50	15.57	-17.32	3.75	5.42	10.73	1.09	2.35	10.57	0.00	0.96	0.85	-0.05	
15.57	15.64	-16.98	3.83	5.46	11.05	1.19	2.39	11.00	0.76	1.16	0.95	-0.03	
15.64	15.71	-17.94	2.74	5.50	10.57	0.98	1.63	9.30	1.31	0.25	0.49	0.62	
15.71	15.78	-17.71	1.84	5.49	2.67	0.50	0.45	1.50	0.00	0.06	0.18	0.23	
15.78	15.85	-18.69	2.92	5.42	6.79	0.62	1.17	5.10	0.00	0.15	0.64	0.66	
15.85	15.92	-18.27	3.52	5.38	11.94	0.87	1.43	8.76	0.00	0.16	0.76	1.04	
15.92	15.99	-18.31	4.75	5.26	16.67	1.33	2.33	11.58	0.00	0.25	1.23	1.54	
15.99	16.06	-17.40	4.74	5.33	18.77	1.43	2.20	13.06	0.76	0.30	1.17	-0.05	
16.06	16.13	-16.86	3.33	5.53	10.55	0.95	1.30	10.03	0.00	0.40	0.62	1.10	
16.13	16.20	-17.05	3.49	5.56	14.22	1.25	1.61	12.91	0.89	0.59	0.82	1.24	
16.20	16.27	-18.56	4.98	5.37	21.14	2.18	2.51	15.35	1.94	1.15	1.07	-0.04	
16.27	16.34	-19.26	5.74	5.22	19.71	2.48	2.79	14.97	0.97	0.69	1.11	-0.06	
16.34	16.41	-18.75	5.61	5.26	19.18	2.39	3.65	15.91	1.48	0.87	1.31	-0.01	
16.41	16.48	-18.69	6.56	5.28	24.69	2.98	4.37	22.57	1.27	1.71	1.68	-0.01	
16.48	16.57	-16.83	3.24	5.60	8.32	1.47	2.65	8.10	1.72	0.37	1.08	2.60	
16.57	16.67	-17.02	3.59	5.48	8.28	2.12	2.99	8.51	1.27	0.33	1.16	2.42	
16.67	16.76	-17.57	3.55	5.46	9.24	1.68	2.18	8.84	0.00	0.33	0.91	1.88	
16.76	16.85	-18.39	4.53	5.37	16.49	1.78	2.23	14.34	0.68	0.37	0.85	2.28	
16.85	16.95	-18.72	1.68	5.51	0.49	0.11	0.08	0.35	0.88	0.00	0.11	0.19	
16.95	17.04	-16.43	3.40	5.49	13.40	0.86	0.94	10.98	0.83	0.38	0.49	1.10	
17.04	17.13	-17.86	4.13	5.46	19.90	0.74	0.42	18.26	1.13	0.22	0.24	0.55	
17.13	17.23	-17.80	2.73	5.55	9.04	0.90	0.67	8.13	1.15	0.23	0.29	0.80	
17.23	17.32	-16.92	4.06	5.35	15.89	0.95	0.83	11.57	1.30	0.27	0.36	0.78	
17.32	17.42	-16.65	4.71	5.40	20.47	2.00	1.16	16.49	1.02	1.57	0.50	1.03	
17.42	17.50	-18.10	2.37	5.55	7.51	0.35	0.52	6.80	0.78	0.31	0.28	0.50	
17.50	17.59	-18.27	2.38	5.56	5.86	0.57	0.90	6.26	0.00	0.58	0.42	0.63	
17.59	17.68	-17.90	1.85	5.60	3.90	0.35	0.29	4.12	0.00	0.50	0.23	0.44	
17.68	17.77	-17.80	1.30	5.60	1.49	0.21	0.16	1.44	0.00	0.14	0.13	0.20	
17.77	17.85	-17.72	2.03	5.56	5.01	0.38	0.34	5.39	0.00	0.66	0.27	0.48	
17.85	17.94	-17.37	2.38	5.60	6.42	0.43	0.48	7.24	0.78	0.96	0.30	0.53	
17.94	18.03	-16.92	1.54	5.56	1.76	0.25	0.20	1.29	0.00	0.00	0.16	0.30	
18.03	18.12	-17.01	2.83	5.46	9.07	1.10	0.78	8.09	0.82	0.34	0.27	0.62	
18.12	18.20	-17.41	3.64	5.49	15.22	1.33	0.98	15.74	0.96	0.56	0.47	1.13	
18.20	18.29	-16.89	3.05	5.63	12.73	0.69	0.80	12.78	1.15	0.77	0.41	0.65	
18.29	18.38	-17.34	3.43	5.45	14.37	0.77	1.26	12.31	1.60	0.46	0.59	0.76	
18.38	18.47	-17.20	2.99	5.45	10.99	0.69	0.50	8.47	1.15	0.23	0.29	0.49	
18.47	18.57	-17.97	2.19	5.51	5.00	0.47	0.23	4.24	0.00	0.00	0.10	0.30	
18.57	18.66	-17.91	2.28	5.53	6.34	0.33	0.20	5.48	0.00	0.08	0.14	0.25	
18.66	18.76	-18.96	2.73	5.53	9.72	1.02	0.77	8.58	1.31	0.20	0.34	0.54	
18.76	18.85	-18.66	1.76	5.51	2.40	0.53	0.47	1.97	0.89	0.00	0.26	0.39	
18.85	18.94	-18.25	4.09	5.46	16.48	1.46	1.73	10.84	1.54	0.57	0.74	1.57	
18.94	19.04	-18.09	3.27	5.49	9.62	1.11	1.82	9.43	1.44	0.63	0.83	-0.04	
19.04	19.13	-18.22	4.62	5.41	19.25	1.94	2.57	13.92	1.42	0.74	1.46	1.40	
19.13	19.23	-18.53	5.11	5.40	21.62	1.81	2.08	16.66	1.52	0.73	0.95	1.56	
19.23	19.30	-18.25	3.31	5.39	6.46	1.16	2.50	6.22	1.26	0.00	1.12	1.41	
19.30	19.37	-18.72	3.29	5.44	9.37	1.20	1.67	7.90	1.09	0.11	0.71	0.82	
19.37	19.44	-19.05	3.19	5.43	10.19	1.05	0.63	8.13	1.21	0.08	0.23	0.45	
19.44	19.51	-18.15	2.65	5.50	6.83	0.71	0.57	5.21	1.26	0.00	0.14	0.43	
19.51	19.58	-18.30	2.46	5.55	7.05	0.65	0.55	5.59	2.69	0.00	0.19	0.47	
19.58	19.65	-18.40	2.95	5.45	9.37	0.85	0.69	7.53	1.26	0.09	0.19	0.45	
19.65	19.72	-18.41	4.68	5.26	17.11	1.78	0.69	12.26	2.34	0.29	0.20	0.63	
19.72	19.79	-19.15	2.94	5.46	8.80	1.01	0.76	6.85	1.21	0.10	0.24	0.56	
19.79	19.86	-18.74	2.35	5.51	6.03	0.58	0.34	4.60	1.23	0.01			
19.86	19.93	-18.67	2.16	5.54	4.90	0.56	0.25	3.95	1.07	0.00			
19.93	20.01	-17.93	2.25	5.56	5.37	0.57	0.25	4.45	0.00	0.00			
20.01	20.09	-17.74	2.01	5.53	3.42	0.40	0.20	2.76	0.80	0.00	0.00	0.00	
20.09	20.17	-18.33	2.08	5.53	4.21	0.48	0.32	3.47	0.00	0.00	0.00	0.24	
20.17	20.26	-19.01	2.10	5.54	4.45	0.48	0.26	3.86	0.84	0.00	0.00	0.27	
20.26	20.34	-19.17	1.99	5.52	3.27	0.32	0.29	2.87	0.68	0.00	0.00	0.28	
20.34	20.42	-18.53	3.40	5.44	12.33	1.92	0.55	11.69	0.00	0.02	0.16	0.46	
20.42	20.51	-18.35	1.79	5.62	2.48	0.48	0.43	2.27	1.42	0.00	0.05	0.23	
20.51	20.59	-18.73	1.61	5.59	2.13	0.27	0.26	2.34	0.90	0.00	0.00	0.00	
20.59	20.67	-18.41	1.93	5.60	5.30	0.47	0.09	5.42	0.86	0.00	0.00	0.20	
20.67	20.76	-18.33	1.83	5.62	3.67	0.30	0.14	3.72	1.09	0.00	0.07	0.33	
20.76	20.84	-18.44	1.60	5.58	2.53	0.24	0.26	2.53	1.03	0.00	0.00	0.30	
20.84	20.93	-18.28	1.75	5.60	2.37	0.52	0.50	2.55	1.22	0.00	0.00	0.52	
20.93	21.00	-18.59	3.74	5.41	13.63	1.16	1.07	11.40	1.17	0.28	0.12	1.27	

Ásgårdfonna in Jun. - Jul., 1993: Ice Core Data Sheet

Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	Cl ⁻ $\mu\text{mol/L}$	NO_3^- $\mu\text{mol/L}$	SO_4^{2-} $\mu\text{mol/L}$	Na^+ $\mu\text{mol/L}$	NH_4^+ $\mu\text{mol/L}$	K^+ $\mu\text{mol/L}$	Mg^{2+} $\mu\text{mol/L}$	Ca^{2+} $\mu\text{mol/L}$	Comments
21.00	21.07	-19.00	5.90	5.13	22.45	1.19	1.22	16.47	1.45	0.36	0.23	1.28	
21.07	21.14	-17.89	4.92	5.21	17.34	1.97	1.05	13.77	1.48	0.30	0.23	0.73	
21.14	21.21	-17.62	3.18	5.39	7.22	0.89	1.69	7.27	1.31	0.13	0.84	0.86	
21.21	21.28	-18.54	4.68	5.28	16.13	1.22	2.34	12.99	1.09	0.40	1.18	1.41	
21.28	21.35	-17.88	2.76	5.44	4.05	0.64	1.74	4.73	0.75	0.00	0.87	0.92	
21.35	21.43	-18.42	4.21	5.32	10.45	1.30	2.95	9.23	0.00	0.28	1.16	2.18	
21.43	21.50	-17.28	4.40	5.38	14.12	1.35	2.66	13.86	2.16	0.75	0.92	2.25	
21.50	21.57	-17.42	4.93	5.34	18.44	1.25	3.08	16.46	1.29	0.50	1.68	1.58	
21.57	21.64	-18.24	4.62	5.35	18.76	1.04	1.60	15.05	0.98	0.66	0.66	1.16	
21.64	21.71	-18.13	2.90	5.51	7.82	0.76	0.79	8.48	0.00	0.47	0.38	0.82	
21.71	21.79	-18.81	3.77	5.33	13.32	0.86	0.97	10.29	1.64	0.27	0.52	0.66	
21.79	21.86	-19.25	3.17	5.40	9.73	0.61	0.83	7.90	0.76	0.22	0.38	0.63	
21.86	21.94	-19.12	3.52	5.40	11.89	1.02	0.86	10.38	1.54	0.26	0.33	0.61	
21.94	22.01	-18.56	2.79	5.44	7.36	0.48	0.37	6.58	0.82	0.10	0.15	0.34	
22.01	22.09	-18.76	2.77	5.45	7.64	0.51	0.57	6.86	1.00	0.17			
22.09	22.16	-19.30	2.51	5.48	5.86	0.26	0.23	5.42	0.88	0.42			
22.16	22.23	-19.42	2.52	5.50	5.76	0.27	0.52	5.25	1.36	0.36			
22.23	22.31	-18.56	3.06	5.61	10.74	0.56	1.33	10.56	0.75	1.14			
22.31	22.38	-18.31	2.76	5.51	8.03	0.37	0.59	8.05	0.89	0.82			
22.38	22.46	-18.74	4.20	5.33	7.12	0.00	0.88	7.09	0.30	0.93			
22.46	22.53	-18.82	2.82	5.60	8.50	0.42	0.74	9.07	1.15	1.61			
22.53	22.61	-18.57	2.56	5.56	6.47	0.38	0.45	7.15	1.45	0.63			
22.61	22.69	-18.53	2.39	5.55	5.98	0.42	0.50	5.68	1.53	0.00			
22.69	22.76	-18.35	2.30	5.18	5.56	0.24	0.29	5.49	1.15	0.00			
22.76	22.84	-18.65	2.28	5.47	5.01	0.17	0.23	4.71	0.83	0.10			
22.84	22.92	-18.83	2.44	5.47	5.80	0.21	0.26	5.14	0.92	0.00			
22.92	23.00	-18.46	3.00	5.57	10.81	0.57	0.62	11.63	1.91	0.93			
23.00	23.07	-17.86	2.58	5.50	6.18	0.24	0.63	5.97	1.45	0.16			
23.07	23.15	-17.89	2.55	5.48	5.58	0.37	0.73	5.08	1.50	0.14			
23.15	23.23	-18.22	2.42	5.48	5.17	0.37	0.58	4.69	1.51	0.02			
23.23	23.31	-19.34	2.75	5.47	7.73	0.44	0.82	6.74	1.43	0.03			
23.31	23.39	-18.67	3.24	5.51	10.32	0.57	1.34	10.62	1.07	0.28			
23.39	23.46	-18.75	2.92	5.47	7.87	0.53	0.61	6.74	0.66	0.12			
23.46	23.54	-19.06	3.08	5.48	13.17	0.55	0.37	12.08	1.28	0.15			
23.54	23.62	-18.64	2.72	5.54	8.86	0.63	0.59	8.15	1.14	0.16			
23.62	23.69	-18.67	3.66	5.36	11.28	1.06	1.50	8.76	1.47	0.30			
23.69	23.77	-19.36	23.40	4.58	109.49	3.09	4.61	66.25	7.08	1.92			
23.77	23.85	-18.36	10.00	4.90	42.43	3.12	1.87	28.82	2.40	1.29			
23.85	23.92	-18.30	3.24	5.44	9.74	0.96	1.42	8.21	1.96	0.31			
23.92	24.00	-18.05	2.82	5.51	7.54	0.65	1.01	6.71	1.50	0.48			
24.00	24.08	-18.49	3.72	5.44	15.24	0.77	1.07	12.36	1.95	0.56			
24.08	24.16	-18.22	3.18	5.44	9.72	0.72	0.96	8.01	1.58	0.15			
24.16	24.25	-19.07	2.00	5.51	2.18	0.23	0.65	1.94	0.51	0.02			
24.25	24.34	-19.23	2.36	5.51	4.17	0.36	1.14	4.21	0.57	0.00			
24.34	24.42	-18.41	2.85	5.45	6.32	0.61	1.19	6.19	0.38	0.06			
24.42	24.51	-17.63	2.85	5.47	6.39	0.53	1.03	5.90	0.72	0.02			
24.51	24.60	-18.28	2.59	5.46	5.61	0.36	0.47	4.78	0.93	0.10			
24.60	24.68	-18.26	2.06	5.52	2.89	0.22	0.38	2.50	0.61	0.00			
24.68	24.77	-18.21	1.93	5.57	3.33	0.35	0.44	2.31	1.09	0.00			
24.77	24.86	-17.80	1.79	5.53	2.21	0.09	0.16	1.92	0.81	0.00			
24.86	24.95	-16.75	2.01	5.53	3.18	0.18	0.33	2.98	1.37	0.04			
24.95	25.02	-16.97	2.41	5.65	7.01	0.38	0.61	6.86	1.25	0.21			
25.02	25.09	-16.83	2.11	5.54	3.91	0.27	0.35	3.46	2.32	0.00			
25.09	25.17	-17.86	3.11	5.49	12.87	0.54	0.62	10.93	1.58	0.00			
25.17	25.24	-17.50	3.34	5.50	14.59	0.71	0.56	12.49	2.63	0.23			
25.24	25.32	-17.64	3.10	5.52	10.98	0.59	0.67	9.59	0.39	0.15			
25.32	25.39	-17.70	2.47	5.57	7.12	0.45	0.79	6.76	1.24	0.00			
25.39	25.47	-17.38	1.98	5.61	4.09	0.17	0.28	4.04	1.12	0.24			
25.47	25.54	-17.39	2.00	5.60	4.41	0.22	0.30	3.75	1.50	0.13			
25.54	25.62	-17.34	2.06	5.58	4.94	0.17	0.25	4.63	1.71	0.10			
25.62	25.69	-17.31	1.89	5.61	4.34	0.16	0.23	3.95	1.78	0.00			
25.69	25.77	-18.24	2.10	5.61	4.95	0.17	0.34	4.79	1.49	0.00			
25.77	25.84	-18.88	2.51	5.52	6.21	0.38	0.82	5.33	1.33	0.09			
25.84	25.91	-18.76	2.29	5.55	4.66	0.30	0.62	4.03	0.85	0.03			
25.91	25.98	-19.09	4.21	5.57	20.07	0.76	1.30	17.74	1.47	0.27			
25.98	26.06	-18.08	2.60	5.58	6.34	0.42	0.59	5.19	1.44	0.15			
26.06	26.13	-19.03	5.63	5.59	27.32	1.17	1.79	25.49	1.89	0.65			
26.13	26.20	-17.73	2.84	5.54	5.53	0.65	1.20	3.57	1.38	0.00			

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Top (m)	Bottom (m)	δ ¹⁸ O ‰	Cond. µS/cm	pH	Cl ⁻ µmol/L	NO ₃ ⁻ µmol/L	SO ₄ ²⁻ µmol/L	Na ⁺ µmol/L	NH ₄ ⁺ µmol/L	K ⁺ µmol/L	Mg ²⁺ µmol/L	Ca ²⁺ µmol/L	Comments
26.20	26.28	-19.53	5.60	5.69	26.36	1.02	2.06	25.42	2.04	1.35			
26.28	26.35	-18.82	2.58	5.58	6.66	0.41	0.47	4.72	1.32	0.00			
26.35	26.42	-17.84	2.00	5.61	3.11	0.33	0.41	2.27	1.20	0.02			
26.42	26.50	-18.20	3.37	5.61	15.29	0.41	0.50	13.26	0.85	0.18			
26.50	26.57	-18.51	3.82	5.64	18.56	0.54	0.75	15.39	1.57	0.34			
26.57	26.64												
26.64	26.72	-18.49	3.16	5.64	12.18	0.46	0.48	10.99	0.91	0.24			
26.72	26.79	-18.55	5.98	5.22	17.55	0.48	0.45	15.84	1.01	0.33			
26.79	26.87	-18.48	3.62	5.65	20.73	0.65	0.69	18.83	0.62	0.59			
26.87	26.94	-17.56	2.76	5.69	8.87	0.46	0.49	7.06	1.15	0.45			
26.94	27.02	-18.18	3.26	5.65	10.84	0.33	0.53	9.40	1.33	0.89			
27.02	27.09	-18.24	2.81	5.72	11.14	0.33	0.59	8.96	1.40	0.63			
27.09	27.17	-18.27	2.92	5.68	11.48	0.32	0.45	9.07	0.70	0.43			
27.17	27.24	-17.74	2.66	5.72	10.52	0.34	0.43	9.09	0.84	0.62			
27.24	27.32	-18.01	2.67	5.67	9.18	0.35	0.49	7.61	1.48	0.56			
27.32	27.38	-18.70	3.01	5.66	9.20	0.43	0.51	8.62	1.26	0.88			
27.38	27.44	-19.02	2.73	5.67	7.91	0.40	0.44	7.20	1.66	0.64			
27.44	27.50	-19.28	3.38	5.62	12.26	0.52	0.70	11.47	2.25	0.94			
27.50	27.56	-18.61	3.06	5.87	13.36	0.46	0.52	12.16	1.91	0.97			
27.56	27.62	-18.51	6.95	5.10	19.72	0.43	0.57	17.21	1.66	0.73			
27.62	27.68	-17.93	4.89	5.25	10.57	0.34	0.39	8.92	2.71	0.63			
27.68	27.74	-16.90	2.31	5.68	5.97	0.15	0.23	5.02	1.03	0.00			
27.74	27.80	-17.42	2.20	5.73	6.11	0.13	0.26	4.80	1.49	0.21			
27.80	27.86	-17.44	2.86	5.75	11.90	0.35	0.35	10.21	2.70	0.01			
27.86	27.92	-17.72	2.58	5.71	6.90	0.25	0.48	5.77	1.49	0.04			
27.92	27.98	-18.93	1.89	5.74	4.34	0.15	0.18	3.47	1.09	0.02			
27.98	28.04	-18.33	2.24	5.68	4.47	0.06	0.07	3.49	0.15	0.00			
28.04	28.10	-17.82	3.63	5.68	17.20	0.27	0.68	13.36	1.28	0.02			
28.10	28.16	-18.75	2.93	5.74	10.47	0.50	0.65	8.39	1.72	0.11			
28.16	28.23	-17.36	3.38	5.72	14.87	0.33	0.74	12.32	1.36	0.00			
28.23	28.30	-17.18	2.65	5.52	9.54	0.19	0.36	8.39	1.51	0.01			
28.30	28.37	-18.06	2.13	5.50	6.29	0.17	0.16	5.79	0.97	0.00			
28.37	28.44	-18.43	3.08	5.49	14.53	0.24	0.41	12.36	1.01	0.08			
28.44	28.51	-18.63	2.53	5.46	7.86	0.26	0.31	7.23	0.94	0.00			
28.51	28.58	-19.45	3.01	5.53	12.36	0.43	0.51	11.36	1.65	0.00			
28.58	28.65	-19.47	3.09	5.44	22.52	0.43	0.46	10.75	1.75	0.15			
28.65	28.72	-19.28	3.34	5.49	13.25	0.41	0.54	12.06	0.85	0.36			
28.72	28.79	-18.24	4.99	5.42	25.06	1.53	1.30	22.88	2.06	0.96			
28.79	28.86	-18.09	4.53	5.38	21.95	0.99	1.11	16.64	1.62	0.60			
28.86	28.93	-18.76	3.68	5.41	14.75	0.56	0.65	13.02	1.10	0.46			
28.93	29.00	-18.61	5.44	5.30	27.77	1.40	0.93	22.38	2.02	0.87			
29.00	29.06	-18.94	7.19	5.34	39.58	1.52	0.97	34.37	2.06	0.96			
29.06	29.13	-18.55	5.43	5.41	25.48	1.97	0.58	24.08	1.39	0.66			
29.13	29.20	-18.44	3.71	5.43	15.63	1.10	0.66	13.97	1.58	0.15			
29.20	29.26	-17.52	3.35	5.50	14.85	0.55	0.36	13.37	1.57	0.20			
29.26	29.33	-17.99	3.40	5.50	16.04	0.48	0.32	14.44	1.79	0.43			
29.33	29.39	-18.35	2.91	5.48	10.94	0.43	0.22	10.36	1.26	0.23			
29.39	29.46	-17.77	2.20	5.50	6.51	0.36	0.22	6.60	1.10	0.22			
29.46	29.53	-18.37	2.33	5.50	7.28	0.30	0.25	7.11	1.40	0.26			
29.53	29.59	-18.75	2.70	5.52	9.63	0.37	0.36	9.46	1.71	0.33			
29.59	29.66	-18.59	2.77	5.50	11.39	0.33	0.30	10.84	2.08	0.39			
29.66	29.73	-18.94	2.26	5.57	6.39	0.31	0.29	6.01	1.61	0.33			
29.73	29.79	-20.32	3.03	5.45	8.35	0.44	0.52	7.43	1.46	0.30			
29.79	29.86	-21.90	2.67	5.55	7.65	0.57	0.44	8.03	0.89	0.79			
29.86	29.92	-20.92	3.01	5.55	11.41	0.32	0.38	11.47	1.41	0.40			
29.92	29.99	-19.31	2.62	5.52	9.98	0.44	0.46	9.65	1.54	0.24			
29.99	30.05	-19.60	2.61	5.46	6.38	0.70	0.85	5.23	1.52	0.16			
30.05	30.12	-20.51	4.70	5.45	23.66	0.86	1.00	20.90	3.29	0.39			
30.12	30.18	-20.35	4.53	5.43	23.85	0.62	0.92	19.47	1.26	0.49			
30.18	30.25	-19.45	4.12	5.41	19.27	0.61	1.03	16.70	0.97	0.34			
30.25	30.31	-19.73	3.48	5.44	14.42	0.60	1.06	12.64	1.11	0.28			
30.31	30.38	-20.23	4.14	5.45	20.79	0.58	0.66	16.11	1.03	0.33			
30.38	30.44	-19.51	2.93	5.45	9.51	0.58	0.43	8.18	1.75	0.00			
30.44	30.51	-18.81	2.65	5.42	5.21	0.60	0.45	4.21	0.77	0.12			
30.51	30.57	-18.66	3.18	5.47	14.66	0.59	0.87	13.03	1.16	0.36			
30.57	30.64	-18.59	5.06	5.10	7.38	0.31	0.50	6.17	1.13	0.00			
30.64	30.70	-19.39	5.41	5.28	26.82	0.62	1.48	18.88	1.44	0.45			
30.70	30.76	-19.16	3.52	5.51	14.55	0.39	1.07	12.59	1.51	0.25			

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. μS/cm	pH	Cl ⁻ μmol/L	NO ₃ ⁻ μmol/L	SO ₄ ²⁻ μmol/L	Na ⁺ μmol/L	NH ₄ ⁺ μmol/L	K ⁺ μmol/L	Mg ²⁺ μmol/L	Ca ²⁺ μmol/L	Comments
30.76	30.83	-18.61	3.24	5.53	13.56	0.42	0.83	11.76	1.61	0.26			
30.83	30.89	-18.60	3.50	5.50	16.48	0.38	0.70	15.00	1.33	0.24			
30.89	30.95	-19.48	4.19	5.53	21.29	0.44	1.04	19.32	1.27	0.36			
30.95	31.02	-19.23	3.90	5.48	17.76	0.54	1.28	13.20	1.44	0.26			
31.02	31.08	-18.91	4.35	5.46	20.62	0.73	1.59	17.60	2.06	0.38			
31.08	31.14	-18.99	3.96	5.43	13.19	1.13	1.08	9.74	3.27	0.29			
31.14	31.21	-18.66	3.03	5.44	9.64	0.89	0.81	8.21	1.20	0.22			
31.21	31.27	-19.12	2.86	5.48	6.95	0.66	0.69	5.81	1.51	0.14			
31.27	31.34	-17.55	1.84	5.52	1.78	0.14	0.30	1.43	1.18	0.01			
31.34	31.42	-18.80	2.35	5.54	4.86	0.31	0.55	4.05	1.86	0.07			
31.42	31.49	-17.88	2.21	5.51	5.01	0.30	0.31	4.17	1.78	0.00			
31.49	31.56	-18.51	2.45	5.49	6.61	0.39	0.46	5.77	1.84	0.06			
31.56	31.63	-18.50	2.55	5.46	6.93	0.51	0.50	6.18	1.76	0.00			
31.63	31.71	-18.06	2.13	5.43	2.01	0.14	0.26	1.65	1.85	0.00			
31.71	31.78	-18.00	2.53	5.43	4.65	0.21	0.28	4.15	1.41	0.07			
31.78	31.85	-18.21	2.70	5.43	7.21	0.28	0.33	6.65	1.58	0.08			
31.85	31.92	-18.42	2.23	5.44	3.49	0.13	0.25	3.08	1.39	0.00			
31.92	32.00	-18.28	2.32	5.43	3.31	0.21	0.37	2.42	1.04	0.00			
32.00	32.07	-17.87	2.62	5.42	5.29	0.28	0.37	4.45	0.97	0.03			
32.07	32.14	-18.57	3.67	5.38	12.47	0.52	0.67	11.25	0.59	0.01			
32.14	32.21	-17.89	3.55	5.41	13.05	0.49	0.70	11.81	1.40	0.10			
32.21	32.28	-17.61	2.64	5.42	4.19	0.48	0.83	3.10	0.72	0.00			
32.28	32.35	-17.36	2.25	5.43	4.16	0.21	0.39	3.30	1.05	0.02			
32.35	32.42	-18.01	2.47	5.44	4.10	0.29	0.29	3.68	1.04	0.06			
32.42	32.50	-17.04	2.18	5.48	1.24	0.15	0.22	0.69	1.29	0.02			
32.50	32.57	-17.23	2.15	5.53	2.94	0.15	0.16	1.75	2.75	0.00			
32.57	32.64	-18.26	2.77	5.70	9.28	0.26	0.32	8.17	2.18	0.11			
32.64	32.71	-18.04	2.36	5.49	4.10	0.15	0.23	3.33	1.90	0.00			
32.71	32.78												
32.78	32.85	-17.99	2.42	5.50	4.05	0.15	0.26	3.00	1.91	0.04			
32.85	32.93	-17.51	2.56	5.48	5.69	0.19	0.31	4.91	1.16	0.03			
32.93	33.01	-18.17	2.02	5.50	1.44	0.15	0.23	0.90	0.84	0.00			
33.01	33.09	-17.75	2.39	5.56	3.85	0.27	0.38	2.83	1.90	0.10			
33.09	33.18	-19.22	3.55	5.53	15.26	0.48	0.52	13.94	1.35	0.15			
33.18	33.26	-19.19	4.24	5.42	17.03	0.76	0.68	15.35	1.45	0.14			
33.26	33.34	-18.83	3.16	5.50	9.02	0.54	0.45	9.47	1.38	0.09			
33.34	33.42	-18.83	3.07	5.45	7.08	0.45	0.64	5.70	1.24	0.07			
33.42	33.50	-19.88	3.70	5.45	12.37	0.54	1.03	10.21	1.49	0.12			
33.50	33.58	-19.22	2.55	5.48	3.44	0.36	0.35	2.34	0.75	0.06			
33.58	33.67	-18.62	2.99	5.52	7.94	0.28	0.48	6.90	1.36	0.00			
33.67	33.74	-20.65	2.45	5.50	4.80	0.24	0.25	4.14	1.04	0.11			
33.74	33.81	-18.35	2.52	5.52	5.73	0.20	0.26	5.15	1.32	0.25			
33.81	33.88	-18.94	2.56	5.56	6.42	0.37	0.40	5.14	1.28	0.04			
33.88	33.95	-18.80	2.28	5.59	2.93	0.28	0.42	2.53	1.65	0.00			
33.95	34.02	-18.03	2.50	5.53	3.92	0.34	0.42	3.48	1.63	0.17			
34.02	34.08	-18.71	3.83	5.68	17.76	0.56	0.65	17.50	2.40	0.42			
34.08	34.15	-19.23	3.84	5.68	17.57	0.67	0.73	15.27	1.18	0.39			
34.15	34.22	-19.31	2.42	5.56	4.82	0.57	0.62	4.13	0.80	0.00			
34.22	34.29	-18.90	2.26	5.47	2.97	0.34	0.49	2.16	0.98	0.06			
34.29	34.36	-18.96	2.43	5.43	4.32	0.37	0.35	3.23	0.85	0.02			
34.36	34.43	-18.55	2.58	5.41	4.66	0.65	0.47	2.83	1.57	0.05			
34.43	34.50	-18.58	2.91	5.37	4.67	0.75	0.58	3.31	1.26	0.03			
34.50	34.57	-19.43	3.14	5.42	6.46	0.91	0.71	5.84	1.52	0.32			
34.57	34.64	-19.37	2.63	5.43	3.67	0.41	0.72	2.89	0.86	0.06			
34.64	34.71	-19.50	2.64	5.47	5.76	0.40	0.60	4.96	0.75	0.14			
34.71	34.78	-20.75	2.65	5.47	6.33	0.26	0.51	5.35	1.02	0.27			
34.78	34.85	-21.03	2.07	5.49	1.35	0.10	0.19	1.04	0.71	0.05			
34.85	34.92	-21.29	2.25	5.47	3.44	0.14	0.47	2.87	1.57	0.15			
34.92	34.98	-20.71	2.31	5.53	3.05	0.21	0.39	2.57	1.28	0.15			
34.98	35.05	-19.90	3.13	5.52	8.66	0.31	0.60	7.64	0.65	0.27			
35.05	35.12	-20.03	3.12	5.53	9.92	0.56	0.75	8.18	2.15	0.17			
35.12	35.18	-19.30	3.14	5.57	5.01	0.43	0.59	3.79	0.81	0.21			
35.18	35.25	-19.60	2.42	5.61	17.88	0.71	1.44	14.92	0.84	0.47			
35.25	35.32	-19.11	4.13	5.63	7.58	0.69	0.71	6.35	0.98	0.15			
35.32	35.38	-19.91	2.57	5.56	3.41	0.50	0.34	2.96	1.55	0.06			
35.38	35.45	-21.05	2.19	5.59	6.48	0.30	0.38	6.26	1.01	0.10			
35.45	35.52	-22.85	2.48	5.60	8.49	0.41	0.43	7.76	1.73	0.19			
35.52	35.59	-20.01	3.54	5.66	15.91	0.84	1.08	14.90	0.94	1.08			

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	Cl ⁻ $\mu\text{mol/L}$	NO ₃ ⁻ $\mu\text{mol/L}$	SO ₄ ²⁻ $\mu\text{mol/L}$	Na ⁺ $\mu\text{mol/L}$	NH ₄ ⁺ $\mu\text{mol/L}$	K ⁺ $\mu\text{mol/L}$	Mg ²⁺ $\mu\text{mol/L}$	Ca ²⁺ $\mu\text{mol/L}$	Comments
35.59	35.66	-20.04	3.44	5.63	12.54	0.91	1.67	11.07	2.32	0.57			
35.66	35.74	-18.80	2.45	5.56	4.71	0.74	0.78	4.30	1.61	0.18			
35.74	35.82	-19.62	2.89	5.53	7.94	0.81	0.84	7.73	0.28	0.19			
35.82	35.90	-18.97	2.45	5.55	6.58	0.39	0.54	6.22	0.58	0.13			
35.90	35.97	-19.21	2.56	5.56	8.30	0.36	0.36	7.64	0.67	0.17			
35.97	36.05	-19.61	2.95	5.58	10.54	0.64	0.57	9.64	1.27	0.25			
36.05	36.13	-20.89	7.00	5.40	30.14	1.81	1.81	28.30	10.92	0.54			
36.13	36.21	-19.98	3.86	5.52	15.55	1.11	0.92	14.01	2.22	0.16			
36.21	36.28	-20.43	2.37	5.55	6.35	0.42	0.46	5.70	1.43	0.04			
36.28	36.36	-20.04	2.69	5.60	8.53	0.55	0.51	7.08	2.21	0.02			
36.36	36.44	-20.24	2.67	5.63	8.68	0.73	0.54	5.93	4.16	0.00			
36.44	36.51	-21.32	7.31	5.39	30.59	1.82	2.21	29.17	12.16	0.61			
36.51	36.59	-21.56	4.78	5.40	18.08	1.47	2.22	14.93	2.26	0.26			
36.59	36.66	-21.60	3.95	5.47	16.72	1.05	1.39	13.70	1.71	0.36			
36.66	36.74	-22.49	3.55	5.47	14.85	0.99	0.94	12.83	1.52	0.25			
36.74	36.81	-20.73	3.54	5.46	15.50	1.00	0.98	12.41		0.00			
36.81	36.89	-21.00	3.55	5.51	13.95	0.94	1.41	28.43		0.00			
36.89	36.96	-20.16	3.76	5.51	14.96	0.90	1.77	28.26		0.20			
36.96	37.04	-20.61	4.33	5.56	19.36	0.93	1.58	44.85		0.35			
37.04	37.11	-19.24	3.85	5.54	16.92	0.81	1.55	32.96		0.00			
37.11	37.19	-18.52	2.25	5.52	4.47	0.47	0.45	8.29		0.00			
37.19	37.26	-19.48	3.05	5.55	12.33	0.61	1.05	23.07		0.00			
37.26	37.34	-18.79	2.61	5.50	6.65	0.39	0.51	11.71		0.00			
37.34	37.41	-18.67	1.89	5.52	3.56	0.37	0.27	7.18		0.00			
37.41	37.49	-19.72	3.50	5.51	16.17	0.87	0.72	32.57		0.00			
37.49	37.56	-20.03	3.68	5.52	16.59	1.04	1.23	33.01		0.00			
37.56	37.64	-20.35	3.50	5.51	14.69	0.90	1.12	27.05		0.00			
37.64	37.71	-19.39	3.51	5.49	13.40	1.09	1.34	25.47		0.00			
37.71	37.79	-20.52	4.02	5.47	16.74	1.10	1.65	33.01		0.00			
37.79	37.86	-20.63	2.87	5.44	6.99	0.89	1.04	13.89		0.00			
37.86	37.94	-21.18	2.77	5.43	4.78	1.09	1.20	3.66		0.00			
37.94	38.01	-20.78											
38.01	38.09	-20.23	2.78	5.46	8.56	0.70	1.21	7.49		0.00			
38.09	38.16	-18.73	3.18	5.38	8.42	0.81	1.24	5.94		0.00			
38.16	38.24	-18.26	3.24	5.38	7.76	1.40	1.73	6.42		0.00			
38.24	38.31	-18.98	3.67	5.47	14.25	0.75	1.49	12.47		0.00			
38.31	38.39	-18.39	4.07	5.51	17.37	0.81	1.49	15.84		0.00			
38.39	38.46	-20.02	2.28	5.48	4.04	0.28	0.63	3.12		0.00			
38.46	38.54	-21.48	4.18	5.82	18.66	0.95	1.42	21.21		0.48			
38.54	38.61	-21.08	4.47	5.85	17.83	0.97	1.99	20.78		1.51			
38.61	38.69	-19.97	3.36	5.67	11.31	0.83	1.92	10.90		1.00			
38.69	38.76	-19.51	2.68	5.62	5.97	0.68	1.31	6.23		0.28			
38.76	38.84	-19.19	4.98	5.34	13.68	0.75	1.80	12.67		0.15			
38.84	38.91	-19.22	3.51	5.71	10.86	0.96	2.15	11.24		0.99			
38.91	38.98	-19.19	3.85	5.64	13.72	0.42	0.86	12.37	0.61	0.17	0.68	1.51	
38.98	39.05	-19.57	2.63	5.63	6.58	0.27	0.36	5.57	0.56	0.10	0.34	0.53	
39.05	39.12	-19.42	3.14	5.82	10.05	0.79	0.78	11.04	0.39	1.21	0.45	1.26	
39.12	39.18	-19.97	2.62	5.73	3.57	0.44	0.56	3.27	0.38	0.30	0.31	0.83	
39.18	39.25	-20.63	3.99	5.31	4.83	0.41	0.72	3.93	0.09	0.05	0.34	1.80	
39.25	39.32	-21.59	3.08	5.58	7.71	0.44	0.98	5.41	0.00	0.07	0.58	2.01	
39.32	39.39	-21.84	4.24	5.61	17.13	0.51	1.48	15.78	0.40	0.17	0.41	1.97	
39.39	39.46	-21.40	4.83	5.44	19.40	0.29	1.05	18.29	0.14	0.13	0.32	1.41	
39.46	39.53	-21.25	7.36	5.12	18.45	0.72	2.43	16.84	1.74	0.20	0.93	2.91	
39.53	39.60	-20.66	7.22	5.08	10.64	0.36	1.31	8.64	0.08	0.19	1.45	7.63	
39.60	39.67	-19.60	2.72	5.70	7.54	0.37	0.88	5.36	0.00	0.00	1.05	2.26	
39.67	39.74	-21.25	3.51	5.78	12.07	0.39	1.85	9.70	0.09	0.16	0.93	4.25	
39.74	39.81	-21.04	2.99	5.43	6.20	0.03	0.56	4.57	0.14	0.00	0.63	0.67	
39.81	39.88	-20.32	3.37	5.55	10.01	0.16	1.09	8.70	0.03	0.16	0.49	1.22	
39.88	39.95	-18.86	3.40	5.83	11.32	0.59	1.02	12.29	0.39	1.39	0.64	1.45	
39.95	40.02	-20.79	8.71	4.83	7.00	0.80	0.37	6.07	0.41	0.14	0.22	0.43	
40.02	40.10	-20.35	3.51	5.34	3.31	0.00	0.31	2.79	0.10	0.09	0.15	0.39	
40.10	40.17	-20.00	8.60	4.82	5.13	0.25	0.60	4.39	0.21	0.15	0.23	0.56	
40.17	40.24	-19.93	4.04	5.46	10.93	0.69	1.26	9.00	0.00	0.45	0.41	1.09	
40.24	40.31	-18.93	2.73	5.59	6.57	0.10	0.39	6.25	0.24	0.00	0.32	0.30	
40.31	40.39	-21.74	8.12	5.07	16.07	0.12	1.31	16.33	0.00	0.33	0.52	1.17	
40.39	40.46	-22.22	5.14	5.13	5.72	0.00	0.98	4.92	0.10	0.09	0.45	0.60	
40.46	40.54	-20.26	4.62	5.48	14.75	0.05	1.18	14.52	0.07	0.48	0.49	1.05	
40.54	40.61	-20.42	6.24	5.19	15.26	0.97	1.62	16.19	0.25	1.63	0.87	1.13	

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	Cl ⁻ $\mu\text{mol/L}$	NO ₃ ⁻ $\mu\text{mol/L}$	SO ₄ ²⁻ $\mu\text{mol/L}$	Na ⁺ $\mu\text{mol/L}$	NH ₄ ⁺ $\mu\text{mol/L}$	K ⁺ $\mu\text{mol/L}$	Mg ²⁺ $\mu\text{mol/L}$	Ca ²⁺ $\mu\text{mol/L}$	Comments
40.61	40.69	-20.92	4.18	5.39	8.90	1.68	1.37	7.82	0.34	0.96	0.65	0.61	
40.69	40.76	-21.24	3.35	5.45	8.03	0.65	0.73	6.78	0.27	0.38	0.28	0.43	
40.76	40.84	-18.75	9.70	4.76	11.39	0.27	0.63	9.74	0.45	0.37	0.37	0.74	
40.84	40.91	-20.39	3.60	5.45	10.43	0.05	0.17	8.43	0.26	0.18	0.11	0.17	
40.91	40.99	-20.28	4.94	5.25	12.43	1.09	0.45	8.15	0.32	0.08	0.11	0.28	
40.99	41.06	-20.79	3.49	5.41	6.94	0.78	0.59	5.10	0.13	0.04	0.18	0.25	
41.06	41.14	-19.57	3.00	5.56	6.81	0.12	0.41	6.01	0.30	0.50	0.47	0.41	
41.14	41.20	-18.40	2.32	5.48	1.73	0.00	0.35	1.45	0.03	0.01	0.12	0.32	
41.20	41.27	-19.45	5.69	5.20	7.87	0.00	1.13	6.78	0.00	0.08	0.70	1.11	
41.27	41.34	-20.02	5.29	5.14	8.09	0.55	0.79	5.83	0.00	0.05	0.28	0.47	
41.34	41.41	-22.22	4.98	5.16	10.80	0.74	1.30	8.19	0.01	0.10	0.47	0.86	
41.41	41.48	-22.66	2.56	5.55	4.15	0.05	0.29	3.42	0.25	0.07	0.10	0.25	
41.48	41.55	-20.84	2.84	5.60	6.61	0.18	0.62	5.45	0.18	0.06	0.44	1.20	
41.55	41.62	-20.08	2.07	5.57	2.59	0.51	0.23	1.48	0.50	0.03	0.33	0.41	
41.62	41.69	-20.36	2.93	5.55	6.38	0.37	0.61	4.84	0.02	0.05	0.67	1.26	
41.69	41.76	-19.96	2.75	5.64	7.76	0.10	1.33	6.69	0.05	0.06	0.71	2.05	
41.76	41.83	-18.77	2.14	5.47	2.91	0.00	0.19	2.46	0.00	0.00	0.15	0.33	
41.83	41.90	-20.11	2.34	5.60	5.14	0.13	0.69	4.20	0.00	0.03	0.23	0.98	
41.90	41.97	-20.07	2.67	5.44	5.10	0.13	0.48	3.95	0.01	0.00	0.21	0.58	
41.97	42.04	-20.86	3.42	5.58	12.55	0.22	0.86	11.03	0.11	0.08	0.40	0.81	
42.04	42.11	-20.72	3.94	5.39	12.39	0.09	0.72	10.18	0.34	0.10	0.59	0.76	
42.11	42.17	-19.80	3.00	5.51	9.39	0.00	0.34	7.50	0.05	0.09	0.31	0.32	
42.17	42.24	-21.16	2.92	5.49	8.66	0.00	0.31	7.12	0.03	0.07	0.42	0.28	
42.24	42.30	-21.95	3.15	5.66	10.51	0.30	1.87	8.20	0.32	0.15	0.87	2.40	
42.30	42.37	-21.13	3.91	5.65	15.05	0.33	2.00	15.31	0.00	0.14	0.96	2.12	
42.37	42.43	-20.09	3.40	5.61	12.34	0.22	1.16	11.10	0.34	0.25	0.69	1.25	
42.43	42.50	-20.03	3.31	5.36	6.96	0.03	0.40	5.37	0.06	0.00	0.56	0.63	
42.50	42.56	-20.85	2.79	5.51	9.33	0.46	0.54	8.16	0.44	0.09	0.57	0.77	
42.56	42.63	-21.00	3.75	5.33	10.58	0.36	0.49	9.61	0.28	0.09	0.53	0.78	
42.63	42.69	-21.18	2.58	5.53	7.44	0.46	0.41	5.49	0.56	-0.01	0.38	0.55	
42.69	42.76	-20.27	3.26	5.45	12.56	0.52	0.51	11.39	0.25	0.11	0.32	0.67	
42.76	42.83	-20.92	3.41	5.55	12.24	0.52	0.66	11.18	0.55	0.19	0.40	0.70	
42.83	42.89	-21.15	4.08	5.18	4.80	0.52	0.77	3.55	0.21	0.07	0.47	0.83	
42.89	42.95	-21.14	3.57	5.31	6.49	0.56	0.48	5.80	0.25	0.07	0.32	0.53	
42.95	43.01	-20.98	4.52	5.19	9.53	0.58	0.58	8.72	0.51	0.00	0.32	0.69	
43.01	43.07	-21.96	3.15	5.46	9.04	0.53	0.43	7.93	0.45	0.07	0.42	0.57	
43.07	43.14	-22.90	2.85	5.49	6.88	0.72	1.00	5.79	0.19	0.07	0.48	1.06	
43.14	43.20	-21.39	1.94	5.49	1.07	1.22	0.20	0.54	0.47	-0.01	0.17	0.29	
43.20	43.26	-20.89	2.75	5.51	5.30	0.77	1.32	3.36	0.31	0.01	0.62	1.41	
43.26	43.32	-21.44	6.74	5.52	33.03	1.44	3.09	35.56	0.33	0.43	0.80	3.56	
43.32	43.39	-22.00	4.75	5.38	14.07	1.40	2.33	11.85	1.26	0.22	1.02	2.28	
43.39	43.45	-20.76	2.71	5.47	5.14	0.91	0.88	4.25	0.48	0.04	0.47	0.64	
43.45	43.51	-20.93	2.96	5.47	8.79	0.70	0.90	7.58	0.24	0.09	0.31	1.03	
43.51	43.58	-20.31	8.28	4.89	12.98	1.77	2.48	11.48	1.11	0.14	1.06	1.84	
43.58	43.64	-20.70	2.73	5.45	3.36	0.75	1.00	2.20	0.84	0.05	0.78	0.81	
43.64	43.70	-21.17	4.44	5.26	11.88	0.32	0.39	9.27	0.15	0.12	1.26	0.47	
43.70	43.77	-20.98	8.14	4.97	20.61	0.00	0.49	20.50	0.06	0.26	0.64	0.96	
43.77	43.83	-20.85	4.30	5.58	19.80	0.00	0.41	18.91	-0.12	0.29	0.71	1.53	
43.83	43.89	-19.38	2.70	5.54	7.65	0.30	0.69	5.86	-0.09	0.06	0.83	0.91	
43.89	43.96	-18.63	3.09	5.38	5.04	0.45	0.94	4.23	0.16	0.07	0.40	1.04	
43.96	44.02	-18.51	2.58	5.57	6.06	1.01	0.83	4.58	1.82	0.05	0.46	0.96	
44.02	44.08	-19.27	3.88	5.25	5.83	0.50	0.73	5.58	0.02	0.07	0.38	0.78	
44.08	44.15	-20.19	2.14	5.55	4.03	0.24	0.25	3.66	-0.15	0.07	0.28	0.42	
44.15	44.20	-20.77	3.72	5.28	7.85	0.33	0.33	6.94	0.26	0.07	0.28	0.46	
44.20	44.26	-19.51	2.16	5.51	2.08	0.17	0.35	2.13	-0.12	0.06	0.15	0.47	
44.26	44.32	-19.35	3.18	5.26	2.10	0.00	0.12	1.83	0.19	0.06	0.22	0.20	
44.32	44.38	-18.99	1.92	5.94	4.01	0.00	0.18	3.22	-0.01	0.11	1.24	2.89	
44.38	44.44	-18.77	2.58	5.66	9.72	0.00	0.41	8.45	0.00	0.19	0.68	1.27	
44.44	44.50	-18.85	3.04	5.82	12.53	0.18	0.60	12.59	-0.01	0.10	0.58	2.63	
44.50	44.55	-18.76	2.46	5.63	7.53	0.42	0.39	6.01	0.41	0.00	0.32	1.02	
44.55	44.61	-18.56	1.78	5.61	2.35	0.25	0.15	1.41	0.02	0.01	0.24	0.66	
44.61	44.67	-18.60	2.17	5.60	5.12	0.38	0.21	3.75	0.50	0.02	0.19	0.33	
44.67	44.73	-19.11	1.92	5.72	3.07	0.23	0.49	2.82	0.00	0.03	0.31	0.69	
44.73	44.79	-19.96	1.84	5.61	3.36	0.06	0.09	2.93	-0.01	0.04	0.17	0.27	
44.79	44.85	-20.72	2.30	5.62	6.67	0.23	0.23	5.63	0.85	0.05	0.24	0.29	
44.85	44.91	-20.84	4.51	5.34	12.06	0.36	0.81	12.14	0.02	0.11	0.66	1.42	
44.91	44.97	-20.36	3.75	5.58	13.17	-0.01	0.57	13.12	0.00	0.13	0.72	2.20	
44.97	45.03	-20.01	3.26	5.56	7.32	1.00	0.63	11.61	0.02	0.10	0.52	0.77	

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Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	Cl ⁻ $\mu\text{mol/L}$	NO ₃ ⁻ $\mu\text{mol/L}$	SO ₄ ²⁻ $\mu\text{mol/L}$	Na ⁺ $\mu\text{mol/L}$	NH ₄ ⁺ $\mu\text{mol/L}$	K ⁺ $\mu\text{mol/L}$	Mg ²⁺ $\mu\text{mol/L}$	Ca ²⁺ $\mu\text{mol/L}$	Comments
45.03	45.09	-19.34	2.25	5.73	6.62	0.00	0.35	5.76	0.00	0.16	0.56	1.09	
45.09	45.15	-19.03	3.19	5.55	10.08	0.60	0.49	9.07	-0.01	0.11	0.78	1.72	
45.15	45.22	-18.88	3.55	5.34	4.71	0.44	0.36	3.82	0.20	0.06	0.72	1.83	
45.22	45.28	-18.90	2.72	5.51	4.48	0.52	0.42	3.84	-0.01	0.04	0.50	1.13	
45.28	45.34	-20.14	4.65	5.19	5.19	0.46	0.90	3.96	0.30	0.00	0.64	1.27	
45.34	45.40	-20.37	3.35	5.41	6.91	0.40	0.61	6.26	-0.12	0.06	0.50	1.22	
45.40	45.46	-19.18	2.80	5.48	4.58	0.38	0.61	3.71	0.03	0.00	0.48	1.02	
45.46	45.52	-18.72	2.36	5.69	6.75	0.21	0.45	6.08	0.14	0.06	0.44	1.30	
45.52	45.59	-19.72	2.15	5.87	6.66	0.01	0.33	5.86	0.09	0.09	0.89	2.44	
45.59	45.65	-19.32	4.03	5.29	6.79	0.46	0.77	5.63	-0.08	0.05	0.72	1.45	
45.65	45.71	-19.92	2.67	5.44	3.57	0.26	0.31	3.10	-0.03	0.00	0.23	0.45	
45.71	45.77	-20.67	2.37	5.54	4.60	0.37	0.29	4.21	0.11	0.02	0.23	0.42	
45.77	45.83	-22.18	2.44	5.64	6.72	0.48	0.50	6.07	0.28	0.07	0.33	0.80	
45.83	45.89	-18.94	2.22	5.74	4.65	0.00	1.06	4.07	-0.02	0.03	0.49	1.75	
45.89	45.95	-18.67	2.48	5.56	6.07	0.15	0.36	5.78	-0.12	0.00	0.22	0.73	
45.95	46.02	-18.31	2.34	5.53	3.76	0.21	0.41	2.91	-0.14	0.00	0.28	0.69	
46.02	46.08	-18.15	2.78	5.61	9.98	0.38	0.35	9.03	-0.03	0.01	0.22	0.59	
46.08	46.14	-18.30	2.28	5.58	4.32	0.33	0.20	3.33	0.18	0.00	0.19	0.30	
46.14	46.20	-19.22	2.84	5.47	4.89	0.40	0.29	4.08	0.13	-0.01	0.20	0.42	
46.20	46.26	-19.19	2.17	5.57	5.18	0.32	0.25	4.48	0.20	0.01	0.22	0.69	
46.26	46.32	-19.80	2.56	5.55	6.10	0.33	0.22	5.24	0.08	0.00	0.21	0.47	
46.32	46.39	-21.80	3.28	5.49	10.92	0.39	0.28	10.05	0.03	0.03	0.23	0.42	
46.39	46.45	-21.65	3.06	5.49	8.47	0.40	0.32	7.85	0.00	0.02	0.36	0.44	
46.45	46.52	-20.27	3.08	5.45	7.16	0.42	0.27	5.99	-0.06	0.01	0.44	0.42	
46.52	46.58	-20.52	3.69	5.40	8.85	0.68	0.60	6.99	0.01	0.03	0.78	0.71	
46.58	46.65	-22.87	4.31	5.30	8.74	0.88	0.74	7.22	0.29	0.03	0.65	0.89	
46.65	46.71	-19.72	2.50	5.47	3.34	0.48	0.32	2.62	-0.04	0.01	0.47	0.39	
46.71	46.78	-20.38	3.69	5.30	4.82	0.47	0.34	4.31	-0.02	0.00	0.31	0.52	
46.78	46.84	-21.44	5.18	5.24	10.86	0.82	0.87	9.82	0.20	0.07	0.64	1.35	
46.84	46.91	-19.98	2.89	5.51	5.43	0.71	0.75	4.64	0.49	0.06	0.56	0.93	
46.91	46.97	-21.11	3.36	5.52	7.29	0.86	1.07	6.13	1.29	0.03	0.53	1.23	
46.97	47.04	-21.82	4.72	5.29	10.29	0.96	1.08	11.31	0.46	0.10	0.64	1.20	
47.04	47.10	-21.91	2.86	5.58	6.74	0.63	0.92	5.85	0.18	0.09	0.78	1.28	
47.10	47.17	-22.22	3.08	5.62	9.75	0.80	1.00	8.93	0.38	0.08	0.74	1.40	
47.17	47.23	-20.89	4.31	5.36	8.41	0.78	1.82	6.94	0.11	0.06	1.07	2.78	
47.23	47.29	-18.80	3.06	5.36	2.34	0.37	0.26	1.77	0.10	0.04	0.35	0.46	
47.29	47.36	-18.85	8.16	4.86	2.49	0.01	0.29	2.89	0.30	0.04	0.29	0.82	
47.36	47.42	-19.15	12.90	4.64	3.80	0.10	0.29	3.24	0.33	0.06	0.41	0.62	
47.42	47.49	-19.58	27.20	4.31	13.03	1.30	1.26	13.86	0.69	0.24	0.91	2.17	
47.49	47.55	-19.62	3.72	5.48	6.61	0.46	0.71	5.63	0.24	0.11	0.61	0.83	
47.55	47.62	-19.45	3.09	5.56	8.30	0.78	0.97	7.71	0.27	0.06	0.43	1.08	
47.62	47.68	-18.62	2.79	5.59	5.57	0.62	1.26	4.71	-0.05	0.01	0.63	1.45	
47.68	47.74	-18.86	3.25	5.53	7.75	0.64	1.01	6.73	0.37	0.04	0.73	1.44	
47.74	47.81	-19.30	8.61	4.90	10.16	0.22	1.28	9.07	0.38	0.06			
47.81	47.87	-19.26	5.34	5.17	7.03	0.46	1.09	5.88	0.16	0.04			
47.87	47.94	-20.80	3.11	5.21	7.21	0.94	1.93	9.19	0.23	0.03			
47.94	48.00	-20.36	2.63	5.61	4.26	0.47	1.26	4.15	-0.06	0.01			
48.00	48.07	-19.04	2.56	5.64	5.38	0.31	0.64	4.58	-0.01	0.01			
48.07	48.13	-20.30	2.92	5.58	9.27	0.46	0.77	8.80	0.15	0.02			
48.13	48.20	-19.65	2.80	5.62	9.55	0.36	0.58	8.93	-0.03	0.01			
48.20	48.27	-18.83	3.07	5.34	2.60	0.17	0.25	1.93	-0.06	0.02			
48.27	48.33	-19.62	3.95	5.32	6.79	0.32	0.68	6.11	-0.14	0.00			
48.33	48.40	-19.76	2.38	5.58	4.13	0.05	0.33	3.61	-0.10	0.00			
48.40	48.47	-21.18	2.54	5.91	6.42	0.37	1.07	5.59	-0.11	0.05			
48.47	48.54	-20.58	2.52	5.61	6.40	0.70	0.65	5.35	-0.01	0.00			
48.54	48.61	-20.67	3.53	5.55	10.50	0.64	1.32	11.53	-0.08	0.05			
48.61	48.68	-19.54	3.02	5.53	6.12	0.26	0.80	5.13	-0.06	0.03			
48.68	48.76	-19.55	6.56	5.06	10.63	0.80	1.54	9.53	0.37	0.07			
48.76	48.83	-19.45	6.58	5.07	9.39	0.83	0.84	10.16	0.22	0.07			
48.83	48.91	-20.01	5.97	5.07	6.47	0.40	0.62	5.50	0.01	0.05			
48.91	48.98	-20.42	9.32	4.96	11.23	2.12	1.13	24.61	0.40	0.28			
48.98	49.06	-19.30	6.38	5.14	8.88	1.09	1.12	12.00	-0.15	0.12			

Snøfjellafonna (Site A) in August, 1992: Ice Core Data Sheet

Top (m)	Bottom (m)	δ18O ‰	Cond. µS/cm	pH	Cl ⁻ µmol/L	NO ₃ ⁻ µmol/L	SO ₄ ²⁻ µmol/L	Na ⁺ µmol/L	NH ₄ ⁺ µmol/L	K ⁺ µmol/L	Mg ²⁺ µmol/L	Ca ²⁺ µmol/L	Comments
1.53	1.66	-13.5	5.16	5.29	44.40	0.60	3.12	45.23					
1.66	1.79	-13.2	5.16	5.42	23.24	1.03	3.10	20.13					
1.79	1.92	-13.6	2.99	5.43	17.51	0.90	1.46	11.38					
1.93	2.12	-12.4	2.97	6.27	20.90	1.33	2.65	68.35					
2.12	2.28	-12.3	4.20	4.23	20.45	0.26	0.92	24.38					
2.28	2.48	-13.4	5.72	5.56	22.65	0.00	1.96	30.19					
2.48	2.72	-16.6	5.73	5.24	29.98	0.00	2.70	24.63					
2.72	2.85	-13.6	2.80	4.21	9.67	0.28	1.18	10.74					
2.85	2.98	-13.7	2.33	5.64	8.39	0.39	0.69	6.37					
2.98	3.15	-13.2	2.21	5.49	8.72	0.20	0.34	7.60					
3.15	3.31	-14.2	3.11	5.53	9.60	0.43	1.10	13.35					
3.31	3.44	-15.1	1.96	5.85	1.73	0.21	0.34	11.58					
3.44	3.56	-15.0	2.60	5.72	9.77	0.18	0.33	12.91					
3.56	3.69	-15.5	2.26	5.60	6.03	0.39	0.44	9.28					
3.69	3.83	-15.9	1.64	5.66	2.47	0.34	0.35	3.90					
3.83	4.01	-14.9	2.40	5.85	8.04	0.28	0.46	8.01					
4.01	4.23	-14.1	2.77	5.68	5.85	0.00	0.38	12.72					
4.23	4.47	-14.1	1.97	5.61	7.04	0.25	0.40	8.29					
4.47	4.65	-14.2	2.71	5.88	12.57	0.00	0.61	12.33					
4.65	4.86	-13.5	2.95	5.96	11.68	0.00	0.44	13.98					
4.86	5.06	-13.1	2.23	5.70	8.43	0.00	0.38	12.27					
5.06	5.26	-12.4	3.26	5.98	9.28	0.19	0.47	12.33					
5.26	5.59	-13.5	4.01	5.57	20.42	0.51	1.51	29.00					
5.59	5.79	-12.8	2.17	5.50	5.39	0.00	0.39	6.24					
5.79	5.99	-13.2	1.67	5.73	4.00	0.34	0.52	5.43					
5.99	6.19	-13.6	2.87	5.63	5.32	0.26	0.61	10.26					
6.19	6.42	-14.1	1.92	5.71	7.49	0.00	0.36	9.76					
6.42	6.60	-14.0	2.80	5.52	6.88	0.15	0.46	14.47					
6.60	6.77	-14.9	2.56	5.58	6.81	0.24	0.25	5.81					
6.77	7.03	-14.4	4.00	5.48	18.42	1.01	2.84	26.15					
7.03	7.23	-13.0	3.31	4.05	11.68	0.00	1.58	11.85					
7.23	7.45	-13.0	2.60	5.40	9.64	0.31	0.69	9.46					
7.45	7.56	-13.7	2.28	5.46	17.95	0.33	0.34	13.79					
7.56	7.71	-14.2	2.68	5.47	9.28	0.49	0.33	7.36					
7.71	7.87	-13.9	3.89	5.38	16.33	0.70	0.93	11.71					
7.87	8.14	-13.0	4.39	5.98	8.78	0.89	2.09	22.04					
8.14	8.30	-13.5	2.63	5.54	6.91	0.49	0.35	7.92					
8.30	8.50	-13.8	4.16	5.37	17.41	1.21	1.35	19.62					
8.51	8.67	-13.2	3.70	6.07	10.38	0.30	1.19	21.60					
8.67	8.84	-13.0	3.06	5.79	9.87	0.52	0.90	12.67					
8.84	9.01	-14.1	3.15	5.89	9.73	0.59	0.85	11.69					
9.01	9.20	-15.5	3.34	6.05	7.19	0.33	1.60	11.70					
9.20	9.39	-15.8	2.79	6.06	6.27	0.00	0.58	9.26					
9.39	9.55	-16.4	3.20	5.56	10.71	1.03	0.70	12.09					
9.57	9.81	-16.4	4.60	4.46	11.67	0.00	3.39	12.09					
9.81	9.93	-15.8	4.57	5.40	10.60	2.10	4.59	12.89					
9.93	10.05	-15.6	5.59	5.14	16.23	1.61	1.33	8.56					
10.05	10.17	-16.0	4.86	5.26	14.79	1.27	0.74	6.40					
10.17	10.29	-14.3	4.71	5.48	17.27	1.09	1.41	10.51					
10.29	10.39	-15.5	6.49	4.66	22.44	1.45	4.52	20.77					
10.39	10.52	-16.6	4.93	5.29	13.60	0.00	3.88	20.03					
10.52	10.69	-15.6	9.31	5.10	26.99	3.30	7.74	22.48					
10.69	10.86	-15.4	8.98	5.11	26.04	1.39	1.22	13.43					
10.86	11.03	-14.9	6.30	5.14	21.45	1.91	1.97	12.61					
11.03	11.21	-15.7	5.92	5.29	20.36	2.19	3.22	15.95					
11.21	11.41	-13.1		5.26	11.88	2.43	3.91	17.13					
11.41	11.62	-13.8		5.35	14.79	1.33	2.93	15.78					
11.61	11.79	-14.4		5.08	17.45	1.39	1.25	13.05					
11.79	11.97	-14.2		5.19	23.62	2.40	0.41	18.28					
11.97	12.11	-15.3	9.11	5.01	27.92	3.28	10.44	26.32					
12.11	12.31	-14.2		5.78	10.37	0.73	3.24	14.37					
12.31	12.42	-14.4	3.17	5.61	6.23	0.59	3.47	12.44					
12.42	12.64	-14.2		5.80	8.20	0.85	3.60	15.11					
12.64	12.77	-14.2		5.36	11.59	1.42	9.84	18.29					
12.77	12.89	-14.3	6.81	5.11	22.21	1.85	4.99	15.93					
12.89	13.04	-14.0	5.10	5.27	14.06	0.93	2.89	10.86					
13.04	13.17	-13.7	5.26	5.37	19.75	0.80	2.14	15.50					
13.17	13.33	-13.3	5.17	5.46	23.53	0.61	1.25	19.35					
13.33	13.48	-13.9	5.57	5.50	22.92	0.72	2.00	19.65					
13.48	13.62	-14.5	4.09	5.54	11.47	0.77	1.99	13.51					

Snøwfjellaonna (Site A) in August, 1992: Ice Core Data Sheet

Top (m)	Bottom (m)	δ18O ‰	Cond. μS/cm	pH	Cl ⁻ μmol/L	NO ₃ ⁻ μmol/L	SO ₄ ²⁻ μmol/L	Na ⁺ μmol/L	NH ₄ ⁺ μmol/L	K ⁺ μmol/L	Mg ²⁺ μmol/L	Ca ²⁺ μmol/L	Comments
13.62	13.75	-14.8	4.48	5.59	14.05	1.15	1.85	18.11					
13.75	13.89	-14.8	6.69	5.42	21.44	1.47	5.31	22.21					
13.89	14.10	-15.8	6.20	5.29	20.62	1.63	3.53	17.94					
14.10	14.26	-15.2	5.70	5.25	23.22	1.51	4.15	20.31					
14.26	14.42	-14.3	3.40	5.29	10.06	0.79	2.15	8.75					
14.42	14.60	-14.4	6.25	5.19	24.91	1.86	3.75	19.31					
14.60	14.76	-15.3	10.68	4.99	53.49	2.69	3.97	39.10					
14.76	14.91	-14.0	8.31	5.26	34.49	2.59	5.19	33.22					
14.91	15.06	-14.1	6.14	5.36	10.15	1.51	6.55	9.81					
15.06	15.16	-13.5	2.72	5.40	4.81	0.80	1.51	3.14					
15.16	15.33	-13.1	2.70	5.35	1.81	0.20	0.32	10.90					
15.33	15.51	-13.5	3.05	5.37	8.50	0.26	0.49	9.64					
15.51	15.68	-14.0	2.57	5.80	2.50	0.19	0.47	10.70					
15.68	15.85	-14.5	2.63	5.72	6.83	0.16	0.50	8.66					
15.85	15.98	-14.7	3.18	5.60	7.62	0.44	0.82	12.80					
15.98	16.13	-14.9	5.61	5.60	12.83	0.86	1.22	15.87					
16.13	16.29	-15.1	3.83	5.17	13.38	1.59	3.85	8.72					
16.29	16.41	-14.4	5.04	5.35	16.95	1.40	3.96	13.93					
16.41	16.53	-13.0	4.31	5.16	12.27	1.31	1.58	5.18					
16.53	16.64	-13.0	3.50	5.29	8.96	0.94	1.36	7.54					
16.64	16.76	-13.9	4.17	5.48	13.32	0.90	4.50	19.37					
16.76	16.87	-14.1	4.95	5.46	15.99	2.31	4.10	19.18					
16.87	17.02	-13.8	4.03	5.48	17.91	1.85	0.88	18.85					
17.02	17.21	-13.4	6.03	5.38	25.67	2.67	1.61	23.12					
17.21	17.36	-13.9	11.11	4.87	41.98	3.21	2.36	19.37					
17.36	17.52	-14.3	11.50	5.00	45.12	2.89	4.98	40.53					
17.52	17.65	-14.2	9.87	4.80	31.01	4.51	1.18	15.61					
17.65	17.86	-14.1	7.91	5.26	28.48	4.19	3.78	32.51					
17.86	18.04	-14.4	12.62	4.84	37.57	4.83	6.41	31.61					
18.04	18.18	-14.6	15.04	4.60	36.52	6.51	8.00	19.25					
18.18	18.32	-14.5	9.40	4.83	20.73	5.40	5.79	13.94					
18.32	18.47	-14.4	10.62	4.73	25.55	6.09	9.07	13.79					
18.47	18.64	-14.2	8.11	5.05	9.17	1.85	8.16	13.88					
18.64	18.82	-15.1	9.48	5.08	7.63	3.58	10.62	12.96					
18.82	19.00	-14.6	7.44	5.21	20.83	2.66	5.24	23.53					
19.00	19.19	-14.0	6.54	5.37	14.79	2.21	6.00	22.22					
19.19	19.34	-14.6	3.04	5.47	7.60	0.37	2.07	8.36					
19.34	19.49	-14.5	3.47	5.30	6.85	0.83	1.90	5.30					
19.49	19.65	-14.1	2.36	5.35	2.68	0.39	1.37	3.50					
19.65	19.78	-14.1	5.39	5.26	12.42	1.37	3.95	16.02					
19.78	19.91	-13.8	5.39	5.27	13.33	1.46	4.04	13.76					
19.91	20.05	-14.1	3.51	5.39	5.41	0.82	2.44	5.45					
20.05	20.24	-15.1	5.20	5.39	10.50	0.85	4.45	14.54					
20.24	20.37	-14.2	9.09	5.53	34.62	1.02	10.72	48.47					
20.37	20.49	-13.9	4.50	5.62	11.49	0.75	4.05	16.86					
20.49	20.64	-14.0	4.17	5.42	7.51	1.40	3.35	11.63					
20.64	20.81	-14.6	6.21	5.08	9.47	2.35	4.60	11.31					
20.81	20.94	-15.1	4.49	5.31	9.66	1.14	3.26	13.49					
20.94	21.06	-14.9	5.00	5.45	10.09	0.87	4.16	13.96					
21.06	21.18	-15.1	5.41	5.22	11.93	2.01	3.86	10.97					
21.18	21.34	-15.3	5.78	5.14	13.72	1.84	4.02	9.16					
21.34	21.50	-15.8	4.93	5.21	9.35	1.72	2.36	10.68					
21.50	21.63	-14.6	3.62	5.39	7.89	0.99	2.24	5.46					
21.63	21.76	-13.5	3.81	5.73	9.69	0.49	6.41	13.01					
21.76	21.88		3.87				0.00						
21.88	22.01	-14.0	5.08	5.15	10.26	1.30	1.80	13.04					
22.01	22.14	-13.3		5.29	10.07	0.81	2.03	9.99					
22.14	22.29	-13.7	4.45	5.39	12.53	1.14	3.01	11.98					
22.29	22.45	-13.3	5.51	5.30	21.14	1.06	3.60	21.50					
22.45	22.62	-12.6	6.67	5.56	23.61	0.94	5.49	31.32					
22.62	22.76	-13.4	5.68	5.34	21.14	1.13	2.71	17.48					
22.76	23.02	-13.6		5.48	30.79	0.95	2.37	26.31					
23.02	23.12	-13.9	3.84	5.54	11.05	1.01	2.58	9.75					
23.12	23.27	-12.9	3.47	4.40	7.58	0.00	1.73	10.61					
23.27	23.43	-13.3	3.75	5.56	9.43	0.60	2.08	13.26					
23.43	23.59	-14.9	3.87	5.42	9.84	0.80	1.89	8.42					
23.59	23.75	-15.1	2.22	5.63	7.13	0.96	2.33	13.30					
23.75	23.94	-14.0	4.00	5.58	8.24	1.08	2.60	12.80					
23.94	24.07	-15.2	5.10	5.24	16.27	1.43	2.80	12.90					
24.07	24.23	-15.1	3.05	5.42	6.09	0.77	0.95	4.20					

Snøwfjellafonna (Site A) in August, 1992: Ice Core Data Sheet

Top (m)	Bottom (m)	δ18O ‰	Cond. μS/cm	pH	Cl ⁻ μmol/L	NO ₃ ⁻ μmol/L	SO ₄ ²⁻ μmol/L	Na ⁺ μmol/L	NH ₄ ⁺ μmol/L	K ⁺ μmol/L	Mg ²⁺ μmol/L	Ca ²⁺ μmol/L	Comments
24.23	24.38	-14.4	3.44	5.36	7.87	1.23	1.57	8.41					
24.38	24.65	-14.3	2.98	5.66	5.92	1.00	1.62	5.96					
24.65	24.74	-14.1	4.64	5.23	7.55	2.11	3.07	5.25					
24.74	24.91	-14.0	4.51	5.31	10.21	1.17	3.53	8.37					
24.91	25.01	-13.0	6.32	4.83	32.87	0.00	4.74	22.06					
25.06	25.21	-13.7	9.11	5.05	43.71	1.34	2.70	32.02					
25.21	25.33	-15.1	4.46	5.33	9.39	1.48	2.29	7.12					
25.33	25.46		6.14	5.07	15.36	1.80	4.75	12.67					
25.46	25.60	-15.1	4.41	5.36	12.76	1.02	4.17	12.75					
25.60	25.74	-14.0	4.40	5.34	8.67	1.30	4.82	9.49					
25.74	25.90	-13.1	4.71	5.32	9.16	0.82	2.90	7.74					
25.90	26.09	-14.0	2.96	5.32	8.57	0.82	0.90	7.68					
26.09	26.25	-13.0	7.38	5.60	33.73	1.14	8.53	39.04					
26.25	26.41	-11.2	5.05	4.30	20.32	0.00	1.62	24.10					
26.41	26.59	-11.1	7.70	4.39	51.69	0.00	1.25	44.71					
26.59	26.77	-13.5	5.11	4.04	17.89	0.00	1.83	21.30					
26.77	26.94	-14.7		5.77	12.68	0.71	3.51	20.41					
26.94	27.11	-13.4	4.89	5.69	20.16	0.95	3.44	21.22					
27.11	27.27	-13.3	2.59	5.58	8.20	0.35	0.92	8.02					
27.27	27.425?	-13.5	4.50	5.48	24.42	0.23	0.53	25.95					
27.43	27.59	-14.2	7.34	6.11	42.00	0.06	4.58	44.47					
27.59	27.74	-14.2	7.12	5.88	31.01	0.76	4.75	44.85					
27.74	27.90	-14.7	5.96	5.77	29.98	0.77	4.86	34.32					
27.90	28.05	-15.1	4.06	5.67	15.13	0.56	1.37	17.94					
28.05	28.20	-14.8	4.28	5.57	15.31	0.43	1.59	16.49					
28.20	28.35	-14.1	3.21	5.44	9.78	0.37	0.48	7.33					
28.35	28.47	-13.9	3.25	5.43	9.49	0.78	1.58	9.55					
28.47	28.62	-14.5	3.46	5.34	8.65	0.77	0.92	7.12					
28.62	28.78	-14.5	3.38	5.77	8.65	0.58	0.92	6.13					
28.78	28.91	-13.9	3.89	5.38	10.98	0.46	1.31	13.57					
28.91	29.10	-14.5	3.89	5.49	12.20	0.51	0.93	10.86					
29.10	29.23	-15.6	6.04	5.41	16.71	1.16	1.06	15.49					
29.23	29.36	-15.8	5.51	5.18	12.74	0.82	0.67	13.11					
29.36	29.49	-15.4	4.46	5.25	15.28	1.01	1.33	9.36					
29.49	29.62	-15.6	4.79	5.26	15.46	1.12	2.55	12.47					
29.62	29.74	-15.3	5.10	5.95	15.28	0.24	1.14	30.37					
29.74	29.90	-14.5	3.74	5.71	8.45	0.42	0.80	19.60					
29.90	30.05	-13.7	4.29	5.83	9.04	0.34	1.14	24.19					
30.05	30.21	-12.6	4.06	5.77	11.04	0.21	1.50	22.90					
30.21	30.36	-12.6	5.82	6.20	11.62	0.29	2.73	37.13					
30.36	30.52	-13.3	5.43	5.89	12.54	0.27	3.03	34.53					
30.52	30.67	-14.3	3.91	5.75	11.27	0.24	1.68	25.91					
30.67	30.80	-15.2	3.56	5.43	13.94	0.56	1.30	12.26					
30.80	30.92	-14.8	3.43	5.33	10.52	0.81	1.60	16.14					
30.92	31.05	-14.6	5.04	5.12	12.79	1.73	4.23	10.93					
31.05	31.19	-14.5	5.74	5.25	13.27	1.43	4.20	13.93					
31.19	31.33	-14.5	3.65	5.43	11.04	0.51	0.84	5.94					
31.33	31.48	-14.4	3.64	5.40	7.29	0.59	1.29	6.84					
31.48	31.65	-14.7	3.50	5.41	9.53	0.32	1.13	8.83					
31.65	31.81			5.38	8.39	0.40	0.46	6.84					
31.81	31.96	-15.5	2.77	5.67	7.78	0.34	0.88	10.26					
31.96	32.10	-15.3	4.18	5.49	13.75	0.54	1.85	16.60					
32.10	32.24	-14.6	5.52	5.51	21.11	0.68	2.47	26.13					
32.24	32.40	-15.3	4.12	5.38	19.04	0.56	0.92	16.03					
32.40	32.55	-15.2	3.18	5.38	9.41	0.44	1.19	9.74					
32.55	32.70	-14.5	3.29	5.46	8.74	0.43	2.05	8.28					
32.70	32.88	-14.4	4.08	5.25	11.29	0.66	1.88	10.66					
32.88	33.06	-14.2	4.50	5.49	16.81	0.61	1.79	13.73					
33.06	33.19	-14.5	5.51	5.34	29.87	0.66	0.75	21.50					
33.19	33.37	-14.4	4.38	5.57	12.31	0.50	0.83	10.73					
33.37	33.54	-14.4	3.65	5.51	10.40	0.27	0.46	6.90					
33.54	33.68	-12.8	2.62	5.48	6.89	0.90	0.75	5.82					
33.68	33.82	-11.9	4.09	5.61	13.34	0.47	3.32	17.63					
33.82	33.94	-12.4	5.82	5.49	19.54	0.90	3.62	23.69					
33.94	34.07	-12.6	6.35	5.26	23.31	0.81	3.30	18.44					
34.07	34.20	-12.9	7.57	5.17	29.48	2.38	5.58	25.27					
34.20	34.32	-13.3	9.52	5.03	37.93	2.65	7.54	28.97					
34.32	34.43	-14.0	28.10	4.66	92.61	10.21	43.34	78.27					
34.43	34.55	-14.7	10.12	4.86	150.50	1.89	3.39	18.51					
34.55	34.75	-14.3	6.60	5.19	28.71	1.23	2.07	22.03					

Snøfjellaafonna (Site A) in August, 1992: Ice Core Data Sheet

Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Cond. $\mu\text{S/cm}$	pH	Cl ⁻ $\mu\text{mol/L}$	NO ₃ ⁻ $\mu\text{mol/L}$	SO ₄ ²⁻ $\mu\text{mol/L}$	Na ⁺ $\mu\text{mol/L}$	NH ₄ ⁺ $\mu\text{mol/L}$	K ⁺ $\mu\text{mol/L}$	Mg ²⁺ $\mu\text{mol/L}$	Ca ²⁺ $\mu\text{mol/L}$	Comments
34.75	34.92	-14.7	5.10	5.45	21.86	0.86	1.99	15.86					
34.92	35.07	-12.1	4.47	5.40	16.23	0.49	0.72	11.71					
35.07	35.18	-13.4	3.09	5.58	10.65	0.44	0.68	7.34					
35.18	35.28	-12.7	3.44	5.57	10.55	0.60	1.17	7.61					
35.28	35.42	-13.6	4.55	5.54	19.50	0.91	1.89	15.48					
35.42	35.55	-14.5	4.42	5.53	21.63	0.79	0.67	15.11					
35.55	35.68	-14.3	4.99	5.41	21.38	0.81	0.82	17.22					
35.68	35.85	-14.1	4.97	5.40	25.13	0.62	1.21	20.89					
35.85	36.02	-14.2	5.01	5.46	23.79	0.55	0.68	17.58					
36.02	36.20	-13.9	5.65	5.30	28.87	0.57	0.76	22.92					
36.20	36.33	-13.4	5.54	5.41	26.63	0.89	1.82	17.38					
36.33	36.45	-13.0	5.43	5.41	25.75	0.76	3.01	20.07					
36.45	36.57	-13.1	5.26	5.46	19.80	0.97	2.85	13.27					
36.57	36.71	-12.9	4.29	5.45	14.62	1.01	2.20	8.84					
36.71	36.84	-11.9	4.17	5.46	14.73	0.83	2.11	11.17					
36.84	36.96	-12.0	4.95	5.44	17.32	0.85	3.41	13.39					
36.96	37.09	-12.3	3.87	5.53	12.79	0.76	2.01	10.53					
37.09	37.26	-13.1	3.47	5.45	12.76	0.91	1.49	9.65					
37.26	37.39	-13.3	3.56	5.37	10.89	1.03	1.30	5.96					
37.39	37.53	-13.4	3.54	5.55	7.01	0.85	1.81	5.64					
37.53	37.67	-13.1	3.44	5.46	18.93	0.65	2.06	11.76					
37.67	37.81	-13.5	6.38	5.34	31.98	0.65	1.83	24.15					
37.81	37.96	-13.5	7.51	5.38	44.17	0.79	1.48	37.49					
37.96	38.09	-13.4	5.22	5.35	26.26	0.99	2.88	21.49					
38.09	38.22	-13.9	4.30	5.34	15.58	1.25	3.68	12.68					
38.22	38.35	-13.5	3.14	5.50	8.41	0.59	0.84	6.77					
38.35	38.50	-13.8	3.10	5.47	9.74	0.34	0.51	7.46					
38.50	38.63	-13.8	3.29	5.59	15.67	0.29	0.24	9.55					
38.63	38.76	-13.9	4.13	5.40	18.59	0.34	0.91	13.92					
38.76	38.93	-14.3	3.85	5.42	16.26	0.39	0.65	10.44					
38.93	39.09	-13.7	3.51	5.32	15.93	0.43	0.55	9.63					
39.09	39.25	-13.6	3.53	5.56	12.96	0.40	0.69	8.38					
39.25	39.41	-12.4	4.81	5.39	20.05	0.49	1.24	13.27					
39.41	39.54	-11.6	5.70	5.48	21.70	0.81	1.83	19.07					
39.54	39.65	-12.7	4.05	5.52	8.93	0.63	1.21	7.50					
39.65	39.76	-13.2	3.79	5.44	9.69	0.50	1.19	8.33					
39.76	39.88	-14.3	4.58	5.43	14.29	0.55	0.72	12.52					
39.88	40.03	-15.3	4.57	5.46	16.62	0.75	0.87	13.93					
40.03	40.20	-15.0	6.36	5.39	24.23	0.93	1.24	19.74					
40.20	40.34	-14.4	3.35	5.47	17.54	0.90	1.09	13.69					
40.34	40.57	-14.6	4.05	5.48	16.04	0.71	0.57	12.00					
40.57	40.61	-13.8	3.18	5.47	9.56	0.58	0.54	7.86					
40.61	40.74	-13.7	3.53	5.47	10.77	0.59	0.50	8.88					
40.74	40.85	-14.1	2.69	5.41	5.74	0.44	0.45	4.88					
40.85	40.97	-14.6	2.90	5.43	7.92	0.58	0.49	7.87					
40.97	41.08	-14.8	2.92	5.59	7.14	0.56	0.44	7.43					
41.08	41.22		4.27	5.52	18.55	0.86	1.42	14.82					
41.22	41.36		6.12	5.49	34.53	0.71	1.79	29.68					
41.36	41.51		3.46	5.51	12.45	0.91	2.67	9.49					
41.51	41.63		4.16	5.48	17.01	0.86	2.09	12.86					
41.63	41.75		3.88	5.56	14.99	0.86	1.21	11.47					
41.75	41.87		4.00	5.51	17.05	0.81	1.17	14.15					
41.87	42.00		4.65	5.49	18.16	1.02	2.39	12.49					
42.00	42.12		4.64	5.51	14.83	1.06	2.89	13.83					
42.12	42.24		4.18	5.42	11.72	0.65	1.63	10.82					
42.24	42.39		4.05	5.54	8.93	0.66	2.70	7.76					
42.39	42.53		3.55	5.59	6.86	0.79	1.72	6.08					

Høghetta Ice Dome in May - Jun., 1987: Ice Core Data Sheet

Top (m)	Bottom (m)	Cond. μS/cm	pH	Cl ⁻ μmol/L	NO ₃ ⁻ μmol/L	SO ₄ ²⁻ μmol/L	Na ⁺ μmol/L	NH ₄ ⁺ μmol/L	K ⁺ μmol/L	Mg ²⁺ μmol/L	Ca ²⁺ μmol/L	Comments
21.24	21.33	1.55	5.49	15.87	2.41	12.25	18.73	0.29	1.70	2.21	13.32	
21.33	21.43	2.70	5.50	14.79	1.11	6.95	16.42	0.00	1.62	1.93	9.24	
21.43	21.54	1.30	5.48	13.88	2.01	7.47	15.07	0.00	1.28	2.00	9.67	
21.54	21.65	1.75	5.42	14.70	1.87	7.16	17.76	0.00	1.91	1.57	8.38	
21.65	21.76	2.60	5.33	17.61	1.73	7.82	19.77	0.02	1.65	1.56	8.02	
21.76	21.87	1.60	5.44	9.96	1.11	4.23	10.26	0.51	1.33	0.79	3.94	
21.87	21.99	2.00	5.54	16.13	1.43	6.78	18.40	0.99	2.30	1.33	6.53	
21.99	22.09	3.65	5.15	13.97	3.20	5.61	15.26	0.62	1.35	1.16	5.15	
22.09	22.20	1.80	5.35	15.87	1.82	8.33	18.98	0.90	0.95	1.41	8.22	
22.20	22.30	3.05	5.18	17.81	4.94	19.63	24.68	0.00	2.50	0.00	0.00	
22.30	22.39	1.65	5.49	16.12	3.04	11.24	21.46	0.00	2.11	3.93	19.21	
22.39	22.51	1.90	5.37	22.89	9.54	29.21	31.32	0.32	4.43	7.53	0.00	
22.51	22.61	2.20	5.67	7.22	0.51	5.24	8.54	0.40	0.69	1.65	11.90	
22.61	22.71	1.90	5.39	7.68	0.90	4.09	9.99	0.77	0.88	2.03	8.09	
22.71	22.82	2.70	5.48	14.29	0.89	5.43	19.24	0.93	1.12	2.74	8.87	
22.82	22.93	9.25	6.09	0.00	0.00	0.00	32.41	0.64	2.53	8.07	37.43	
22.93	23.02	1.90	5.68	0.00	0.00	0.00	18.17	1.13	1.68	3.34	11.99	
23.02	23.11	1.65	5.48	0.00	0.00	0.00	19.32	1.10	2.15	2.59	12.44	
23.11	23.20	1.70	5.39	0.00	0.00	0.00	7.79	1.30	0.62	1.49	6.62	
23.20	23.29	2.20	5.52	0.00	0.00	0.00	5.42	1.88	0.42	1.24	5.09	
23.29	23.40	1.45	5.44	4.23	3.07	2.76	6.23	1.94	0.65	0.98	4.97	
23.40	23.50	1.65	5.37	6.26	0.85	4.86	9.84	2.34	0.51	1.58	7.97	
23.50	23.60	2.00	5.33	5.23	0.45	4.13	7.27	2.17	0.27	1.30	6.09	
23.70	23.79	1.25	5.47	7.85	1.12	5.07	14.36	0.60	1.08	1.97	9.40	
23.79	23.90	1.55	5.38	12.25	2.73	15.09	22.52	0.82	2.05	5.01	25.46	
24.09	24.18	1.75	5.38	12.06	2.14	12.34	21.21	0.71	1.68	4.35	20.45	
24.18	24.29	2.25	5.38	8.20	0.80	4.14	13.86	0.74	0.86	1.71	9.80	
24.29	24.38	1.40	5.56	4.64	0.68	3.25	10.52	1.02	0.46	1.28	6.20	
24.38	24.49	1.35	5.49	8.63	0.82	5.36	14.69	1.71	0.48	0.00	0.00	
24.49	24.59	1.30	5.47	4.45	0.76	2.33	7.38	1.34	0.44	1.03	4.21	
24.59	24.69	2.20	5.50	8.78	1.40	4.53	15.14	1.79	1.81	1.82	8.04	
24.69	24.79	1.20	5.51	4.95	0.56	3.60	12.04	2.56	0.42	1.79	6.60	
24.79	24.90	2.65	5.46	11.15	1.29	7.00	19.63	2.37	2.79	3.13	12.72	
24.90	25.07	1.80	5.38	6.66	0.69	4.10	11.16	2.42	1.01	1.32	7.51	
25.07	25.15	1.65	5.36	6.20	0.82	3.93	11.67	2.68	0.58	1.41	7.34	
25.15	25.25	2.00	5.41	7.23	1.71	10.59	13.46	0.02	1.41	3.22	19.32	
25.25	25.36	2.40	5.51	8.30	1.05	5.36	14.53	0.12	1.74	2.45	11.44	
25.36	25.46	1.80	5.54	5.47	0.62	4.05	9.00	0.44	1.48	1.59	10.78	
25.46	25.55	1.40	5.56	3.85	0.34	1.35	5.58	0.53	1.66	0.91	4.47	
25.55	25.64	1.80	5.57	3.54	0.32	2.57	5.85	0.59	0.54	0.82	6.95	
25.64	25.73	2.60	5.29	3.83	0.00	2.72	5.62	0.95	1.47	0.77	4.12	
25.73	25.82	1.40	5.45	8.83	2.86	9.85	16.92	2.98	2.23	2.75	20.44	
25.82	25.96	1.95	5.35	7.04	1.61	6.69	13.57	1.49	1.12	2.59	14.09	
25.96	26.08	1.90	5.45	9.56	2.27	9.09	16.27	1.51	1.26	3.03	20.73	
26.08	26.20	3.50	5.31	7.97	0.89	5.19	14.66	1.35	1.88	2.09	9.28	
26.20	26.33	1.95	5.48	4.71	0.65	3.35	6.99	1.78	0.89	1.50	6.96	
26.33	26.42	1.55	5.50	3.19	0.00	1.53	5.01	2.12	0.43	0.87	3.84	
26.42	26.51	2.95	5.50	6.89	0.52	4.15	12.81	2.43	1.45	1.78	9.21	
26.51	26.60	2.65	5.60	6.50	0.55	4.81	12.00	2.68	0.84	1.65	10.36	
26.60	26.70	3.60	5.44	5.57	0.81	3.36	9.82	2.68	2.04	1.50	7.12	
26.70	26.81	2.10	5.58	7.65	1.68	5.50	15.22	2.93	1.92	2.82	12.64	
26.81	26.91	1.60	5.53	9.80	3.49	15.68	20.66	3.04	2.03	3.70	32.20	
26.91	27.02	2.85	5.52	11.00	5.29	21.01	24.43	2.66	4.00	4.36	53.93	
27.02	27.14	2.95	5.56	25.88	7.12	33.17	49.33	0.00	5.37	0.00	0.00	
27.14	27.30	3.60	5.21	19.82	3.32	18.80	34.00	0.00	3.66	0.00	0.00	
27.30	27.40	2.15	5.47	24.96	5.04	26.60	41.62	0.00	3.71	0.00	0.00	
27.40	27.60	2.80	5.56	11.34	0.32	3.67	14.53	0.09	1.29	0.00	0.00	
27.60	27.73	4.55	5.48	18.90	2.56	7.50	30.23	0.15	3.71	0.00	0.00	
27.80	27.95	2.80	5.39	7.43	0.34	3.63	11.42	0.70	1.78	0.00	0.00	
27.95	28.19	1.60	5.46	2.93	0.25	1.38	4.02	0.93	0.38	0.00	0.00	
28.19	28.38	1.35	5.46	2.93	0.33	1.50	3.68	0.85	0.23	0.00	0.00	
28.38	28.62	1.15	5.59	3.76	0.35	2.14	6.01	1.02	0.55	0.00	0.00	

Høghetta Ice Dome in May - Jun., 1987: Ice Core Data Sheet

Top (m)	Bottom (m)	Cond. $\mu\text{S/cm}$	pH	Cl ⁻ $\mu\text{mol/L}$	NO ₃ ⁻ $\mu\text{mol/L}$	SO ₄ ²⁻ $\mu\text{mol/L}$	Na ⁺ $\mu\text{mol/L}$	NH ₄ ⁺ $\mu\text{mol/L}$	K ⁺ $\mu\text{mol/L}$	Mg ²⁺ $\mu\text{mol/L}$	Ca ²⁺ $\mu\text{mol/L}$	Comments
28.62	28.91	5.50	5.38	26.10	1.87	12.81	40.70	0.90	5.74	0.00	0.00	
28.91	29.08	5.20	5.54	25.57	1.22	11.84	39.98	1.27	2.36	0.00	0.00	
29.08	29.27	2.15	5.40	10.94	1.31	8.06	20.15	1.68	1.31	0.00	0.00	
29.27	29.45	1.80	5.51	4.75	0.22	2.23	6.09	1.81	1.08	0.00	0.00	
30.13	30.31	2.25	5.40	7.09	0.34	2.09	9.58	2.17	1.82	0.00	0.00	
30.31	30.51	5.30	5.40	15.73	3.33	10.00	21.43	2.23	2.97	0.00	0.00	
30.51	30.70	1.45	5.56	7.04	0.57	3.10	10.11	2.18	1.09	0.00	0.00	
30.70	30.83	1.40	5.56	5.59	0.40	2.31	8.83	2.67	1.69	0.00	0.00	
30.83	30.97	1.30	5.63	7.14	0.65	3.48	11.62	2.64	2.30	0.00	0.00	
30.97	31.20	2.05	5.48	15.31	0.83	8.31	18.62	0.00	0.98	0.00	0.00	
31.20	31.41	3.90	5.59	17.64	1.14	10.17	21.91	0.00	1.30	0.00	0.00	
31.41	31.57	1.60	5.77	14.31	0.66	8.01	17.75	0.00	1.06	0.00	0.00	
31.57	31.72	1.90	5.52	9.83	0.62	3.40	9.58	0.00	1.61	0.00	0.00	
31.72	31.94	24.00	4.46	32.52	44.32	24.02	46.65	3.07	4.37	0.00	0.00	
32.60	32.85	2.60	5.27	5.27	0.97	3.14	7.89	0.33	0.91	0.00	0.00	
33.09	33.20	26.00	8.30	72.91	14.76	17.62	46.39	2.35	2.10	5.55	292.23	
33.20	33.28	26.00	4.83	123.01	36.68	26.69	102.74	2.48	10.36	15.84	64.29	
33.48	33.56	1.55	6.11	4.44	0.80	2.06	12.48	0.00	5.18	1.38	16.85	
36.79	36.90	3.20	6.12	9.44	0.67	5.02	18.14	0.00	5.73	1.32	18.82	
36.90	37.00	1.45	6.12	3.81	0.23	1.77	16.62	0.00	8.94	0.67	11.58	
38.40	38.56	3.30	5.29	13.51	0.75	3.91	13.31	1.16	2.38	2.31	10.87	
38.56	38.71	0.88	5.51	2.65	0.58	1.73	12.24	0.00	5.75	0.96	7.57	
39.09	39.31	6.70	5.21	35.62	9.42	7.36	32.06	5.47	6.42	3.23	14.68	
39.54	39.80	7.45	4.94	19.87	0.61	14.22	20.38	0.00	1.66	3.72	18.96	
40.45	40.60	4.90	5.10	20.61	0.39	6.02	21.15	0.00	2.01	2.10	9.53	
40.76	40.94	4.05	5.27	18.66	0.22	3.95	17.16	0.00	0.97	1.84	8.81	
41.21	41.38	2.00	5.44	5.92	0.19	1.90	9.20	0.00	1.11	0.88	5.59	
44.33	44.55	1.80	5.42	5.13	0.31	1.80	6.20	0.35	0.42	0.00	0.00	
44.72	44.91	1.80	5.50	8.12	0.22	2.33	9.99	0.23	0.45	0.00	0.00	
44.91	45.10	1.80	5.47	8.25	0.27	3.88	10.56	0.54	0.61	0.00	0.00	
45.10	45.30	1.60	5.44	6.92	0.69	3.96	9.74	0.64	1.13	0.00	0.00	
45.30	45.51	2.70	5.25	5.55	0.39	2.52	7.75	1.21	0.74	0.00	0.00	
45.51	45.72	1.85	5.38	5.59	0.61	2.83	8.35	1.26	0.45	0.00	0.00	
45.93	46.13	1.85	5.57	8.22	0.36	3.58	0.96	1.18	1.10	0.00	0.00	
46.13	46.39	1.50	5.48	4.14	0.30	2.13	5.91	1.61	0.35	0.00	0.00	
46.59	46.76	1.80	5.46	4.96	0.30	1.86	6.41	1.84	0.22	0.00	0.00	
46.76	46.91	1.45	5.53	8.29	0.67	3.84	10.02	2.47	0.52	0.00	0.00	
46.91	47.10	1.75	5.46	8.08	0.47	3.39	9.45	2.02	0.40	0.00	0.00	
47.10	47.30	1.65	5.50	5.99	0.38	2.57	8.18	2.37	0.35	0.00	0.00	
47.30	47.50	2.30	5.51	11.17	0.43	2.89	11.80	2.81	2.41	0.00	0.00	
47.78	47.95	2.10	5.43	10.03	0.55	3.12	11.08	3.26	1.35	0.00	0.00	
48.12	48.31	2.90	5.47	9.46	0.65	7.35	10.08	2.83	0.54	0.00	0.00	
48.31	48.54	3.65	5.27	12.59	0.57	5.92	0.00	0.00	0.00	0.00	0.00	
48.54	48.75	5.95	5.06	19.63	0.55	10.52	22.05	3.66	1.91	0.00	0.00	
49.40	49.65	1.65	5.56	7.43	0.52	4.11	9.62	3.88	1.12	0.00	0.00	
50.50	50.72	1.60	5.55	6.75	0.43	3.07	9.01	4.45	1.51	0.00	0.00	
69.77	69.86	1.90	5.60	10.02	0.00	1.18	17.72	0.00	0.77	0.46	3.78	
69.86	69.94	1.60	5.62	8.21	0.00	1.50	8.33	0.00	1.70	0.64	4.69	
70.39	70.48	2.75	5.26	15.07	0.00	4.56	21.54	0.00	3.14	2.59	12.25	
70.48	70.55	2.00	5.52	7.80	0.60	2.33	16.87	0.00	5.30	2.08	8.52	
70.55	70.63	2.20	5.49	8.97	0.00	1.99	13.50	0.00	3.80	1.68	8.50	
70.63	70.72	1.75	5.54	6.98	0.00	2.95	10.14	0.00	1.14	1.15	6.20	

Høghetta Ice Dome in May - Jun., 1987: Oxygen Isotope Ratio

Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰	Top (m)	Bottom (m)	$\delta^{18}\text{O}$ ‰
0.58	0.62	-16.0	21.54	22.09	-9.2	53.08	53.63	-11.7
0.62	0.66	-17.2	22.09	22.51	-6.3	53.63	53.99	-8.4
0.66	0.69	-17.8	22.51	23.02	-9.4	53.99	54.49	-8.8
0.69	0.74	-19.1	23.02	23.50	-5.1	54.49	55.01	-5.7
0.74	0.78	-18.8	23.60	24.00	-11.0	55.01	55.55	-3.6
0.78	0.83	-19.4	24.00	24.59	-8.2	55.55	56.03	-6.8
0.83	0.88	-18.6	24.69	25.07	-6.7	56.03	56.57	-8.0
0.88	0.92	-17.9	25.07	25.55	-8.6	56.63	56.97	-9.2
0.92	0.96	-20.6	25.55	26.08	-5.0	57.13	57.30	-10.7
0.96	0.99	-18.2	26.08	26.20	-11.2	57.56	58.20	-12.5
0.99	1.03	-17.3	26.51	27.02	-13.0	58.20	58.55	-11.2
1.03	1.07	-17.6	27.02	27.51	-14.2	58.55	59.01	-13.1
1.07	1.12	-18.0	27.51	28.19	-13.7	59.01	59.57	-11.0
1.12	1.17	-17.7	28.19	28.51	-13.1	59.57	59.96	-13.0
1.17	1.21	-18.0	28.62	29.01	-11.7	59.96	60.54	-13.3
1.21	1.25	-18.4	29.01	29.45	-14.8	60.54	61.00	-14.8
1.25	1.31	-18.2	30.13	30.51	-9.5	61.00	61.57	-9.8
1.31	1.35	-19.0	30.51	30.97	-7.5	61.57	62.03	-8.4
1.35	1.39	-18.6	30.97	31.49	-11.8	62.03	62.58	-14.0
1.39	1.43	-17.3	31.57	32.16	-11.6	62.58	63.00	-12.0
1.43	1.48	-17.8	32.16	32.60	-11.3	63.00	63.52	-14.2
1.38	1.51	-14.0	32.60	33.09	-12.6	63.52	64.03	-14.5
1.51	2.00	-13.7	33.09	33.56	-16.8	64.03	64.54	-13.4
2.00	2.53	-12.4	33.56	34.15	-12.0	64.54	65.01	-9.7
2.53	3.02	-14.9	34.15	34.58	-13.6	65.01	65.44	-15.2
3.02	3.60	-10.2	34.58	35.02	-16.0	65.44	66.08	-15.3
3.60	4.01	-9.5	35.02	35.55	-16.1	66.08	66.54	-12.4
4.01	4.45	-12.7	35.55	36.14	-13.6	66.54	67.05	-14.7
4.45	4.93	-11.4	36.14	36.64	-12.1	67.05	67.55	-16.2
4.93	5.56	-10.8	36.64	37.00	-10.9	67.55	68.03	-12.5
5.56	6.08	-8.9	37.00	37.50	-14.4	68.03	68.53	-13.3
6.08	6.59	-11.8	37.50	38.05	-16.2	68.53	69.03	-13.6
6.59	7.02	-13.0	38.05	38.50	-15.3	69.03	69.56	-14.3
7.02	7.56	-11.7	38.50	39.09	-12.3	69.56	70.11	-13.7
7.56	8.04	-12.8	39.09	39.54	-16.3	70.11	70.55	-13.7
8.04	8.55	-12.9	39.54	40.30	-13.0	70.55	71.00	-11.1
8.55	9.01	-10.6	40.30	40.60	-9.9	71.00	71.53	-14.6
9.01	9.50	-12.8	40.60	40.94	-14.3	71.53	72.21	-10.6
9.50	10.03	-12.0	41.05	41.55	-0.4	72.21	72.54	-12.7
10.03	10.13	-14.3	41.55	42.08	-10.1	72.54	72.97	-14.1
10.13	11.06	-11.5	42.08	42.67	-12.4	72.97	73.03	-6.7
11.06	11.51	-7.5	42.67	43.04	-14.6	73.03	73.57	-12.8
11.51	12.09	-12.1	43.04	43.59	-11.0	73.57	74.06	-12.9
12.09	12.59	-5.1	43.59	44.10	-8.3	74.06	74.53	-12.9
12.59	13.03	-8.7	44.10	44.55	-13.7	74.53	75.04	-8.5
13.03	13.55	-8.2	44.55	45.10	-8.6	75.04	75.06	-10.7
13.55	14.05	-8.2	45.10	45.51	-10.5	75.06	76.06	-8.5
14.05	14.55	-7.8	45.51	46.13	-12.6	76.06	76.56	-8.5
14.55	15.08	-5.1	46.13	46.59	-10.6	77.06	77.78	-13.8
15.08	15.46	-7.9	46.59	47.01	-12.1	77.78	78.03	-13.1
15.46	16.08	-8.2	47.01	47.50	-12.7	78.03	78.55	-13.1
16.08	16.61	-7.3	47.50	48.04	-14.0	78.55	79.07	-12.0
16.61	17.08	-7.3	48.04	48.54	-13.1	79.07	79.50	-12.3
17.08	17.62	-11.1	48.54	49.10	-13.2	79.50	79.50	-16.0
17.62	18.11	-9.3	49.10	49.52	-14.3	80.01	80.01	-15.1
18.11	18.58	-9.3	49.52	50.09	-15.3	80.51	80.51	-14.4
18.58	19.09	-10.3	50.09	50.50	-16.4	81.04	81.04	-15.0
19.09	19.59	-11.3	50.50	51.12	-10.4	81.60	81.60	-15.0
19.59	19.70	3.1	51.12	51.51	-11.0	82.03	82.03	-16.1
20.18	20.60	-12.7	51.51	52.12	-5.4	82.55	82.55	-15.0
20.60	21.03	-6.6	52.12	52.59	-7.2	83.06	83.06	-15.9
21.03	21.54	-9.4	52.59	53.08	-8.0	83.52	83.52	-13.7
						84.03	84.03	-16.3
						84.56	84.56	-16.3
						85.10	85.10	-15.1

Høghetta Ice Dome in May - Jun., 1987: Conductivity and pH

Top (m)	Bottom (m)	Cond. $\mu\text{S/cm}$	pH
0.54	0.60	2.60	
0.60	0.66	1.60	
0.66	0.75	2.80	5.26
0.75	0.85	3.55	5.13
0.85	0.95	2.90	5.23
0.95	1.09	1.60	5.56
1.09	1.19	2.15	5.50
1.19	1.29	2.40	5.45
1.29	1.37	1.65	5.53
1.38	1.42	9.10	4.93
1.38	1.51	1.80	5.42
1.42	1.47	2.00	5.14
1.37	1.53	2.45	5.44
1.47	1.51	2.80	5.68
1.51	1.56	3.00	5.36
1.51	1.62	3.80	5.13
1.56	1.62	3.30	5.17
1.53	1.67	1.60	5.57
1.62	1.67	3.00	5.26
1.62	1.72	3.10	5.36
1.67	1.72	3.40	5.16
1.67	1.76	2.00	5.43
1.72	1.81	3.05	5.28
1.76	1.86	2.15	5.47
1.81	1.90	2.15	5.33
1.86	2.00	1.60	5.61
1.90	2.00	2.40	5.39
2.00	2.09	2.95	5.14
2.09	2.18	3.10	5.19
2.18	2.27	3.50	5.12
2.27	2.35	4.70	4.94
2.35	2.44	3.70	5.14
2.44	2.53	3.80	5.19
2.53	2.62	4.60	5.00
2.62	2.74	6.25	4.80
2.74	2.84	5.70	4.91
2.84	2.93	4.40	5.07
2.93	3.02	5.20	5.00
3.02	3.11	6.05	5.02
3.11	3.20	4.40	5.07
3.20	3.29	2.90	5.14
3.29	3.38	2.50	5.29
3.38	3.49	1.65	5.45
3.49	3.60	2.50	5.36
3.60	3.71	5.20	5.38
3.71	3.82	1.90	5.40
3.82	3.92	1.60	5.50
3.92	4.01	1.65	5.39
4.01	4.11	2.05	5.38
4.11	4.19	3.50	5.15
4.19	4.28	2.70	5.30
4.28	4.40	3.20	5.28
4.40	4.50	3.80	5.41
4.50	4.61	5.40	5.21
4.61	4.74	2.05	5.51
4.74	4.87	2.05	5.49
4.87	4.99	2.00	5.56
4.99	5.17	2.15	5.42
5.17	5.28	2.00	5.42
5.28	5.40	1.80	5.40
5.40	5.56	2.60	5.31
5.56	5.65	1.85	5.36

Top (m)	Bottom (m)	Cond. $\mu\text{S/cm}$	pH
5.65	5.75	2.10	5.33
5.75	5.86	2.10	5.29
5.86	5.98	1.05	5.50
5.98	6.08	2.60	5.30
6.08	6.19	2.80	5.22
6.19	6.29	2.20	5.29
6.29	6.39	2.40	5.39
6.39	6.49	1.60	5.46
6.49	6.59	1.60	5.50
6.59	6.69	1.60	5.41
6.69	6.79	1.80	5.49
6.79	6.89	1.90	5.33
6.89	7.02	1.45	5.44
7.02	7.11	2.00	5.36
7.11	7.20	1.50	5.39
7.20	7.29	1.80	5.35
7.29	7.39	1.35	5.25
7.39	7.47	1.90	5.34
7.47	7.56	2.00	5.43
7.56	7.68	1.70	5.43
7.68	7.80	1.70	5.37
7.80	7.92	1.50	5.44
7.92	8.04	1.50	5.40
8.04	8.14	1.80	5.35
8.14	8.24	2.60	5.23
8.24	8.36	1.60	5.38
8.36	8.46	1.90	5.38
8.46	8.55	1.60	5.36
8.55	8.64	1.80	5.28
8.64	8.75	1.70	5.42
8.75	8.83	2.20	5.29
8.83	8.92	2.00	5.29
8.92	9.01	4.40	5.06
9.01	9.10	3.00	5.26
9.10	9.19	2.40	5.28
9.19	9.28	2.10	5.27
9.28	9.39	3.00	5.21
9.39	9.50	1.80	5.44
9.50	9.61	1.80	5.44
9.61	9.75	1.95	5.36
9.75	9.85	2.60	5.30
9.85	9.94	1.90	5.47
9.94	10.03	1.80	5.45
10.03	10.13	1.50	5.52
10.67	10.76	1.40	5.51
10.76	10.86	1.60	5.51
10.86	10.96	1.60	5.44
10.96	11.06	2.05	5.49
11.06	11.18	1.40	5.58
11.18	11.29	1.40	5.53
11.29	11.40	1.40	5.54
11.40	11.51	1.80	5.42
11.51	11.62	1.40	5.55
11.62	11.74	1.40	5.55
11.74	11.86	1.45	5.52
11.86	11.99	1.40	5.54
11.99	12.02	1.50	5.41
12.02	12.19	1.65	
12.19	12.29	1.60	5.48
12.29	12.39	1.50	5.47
12.39	12.49	2.10	5.42
12.49	12.59	2.25	5.31

Top (m)	Bottom (m)	Cond. $\mu\text{S/cm}$	pH
12.59	12.69	1.90	5.49
12.69	12.79	2.00	5.49
12.79	12.91	2.10	5.48
12.91	13.03	2.10	5.44
13.03	13.15	2.70	5.41
13.15	13.25	2.20	5.54
13.25	13.35	1.40	5.59
13.35	13.45	1.60	5.77
13.45	13.55	1.40	5.69
13.55	13.65	1.80	5.64
13.65	13.76	1.80	5.71
13.76	13.85	1.40	5.53
13.85	13.95	1.50	5.46
13.95	14.05	1.40	5.55
14.05	14.15	1.60	5.44
14.15	14.25	1.30	5.59
14.25	14.35	1.60	5.51
14.35	14.45	1.40	5.53
14.45	14.55	1.80	5.47
14.55	14.64	2.50	5.61
14.64	14.75	1.70	5.53
14.75	14.85	1.85	5.42
14.85	14.96	1.70	5.48
14.96	15.08	1.55	5.52
15.08	15.19	2.70	5.50
15.19	15.31	1.95	5.38
15.31	15.41	3.60	5.38
15.41	15.51	1.30	5.66
15.51	15.61	1.95	5.43
15.61	15.71	2.00	5.64
15.71	15.81	2.00	5.58
15.81	15.91	1.55	5.55
15.91	15.98	1.95	5.73
15.98	16.08	1.90	5.37
16.08	16.18	1.50	5.56
16.18	16.28	1.55	5.56
16.28	16.38	2.00	5.44
16.38	16.49	1.70	5.35
16.49	16.61	1.70	5.38
16.61	16.73	1.45	5.49
16.73	16.86	1.60	5.49
16.86	16.97	6.20	5.74
16.97	17.08	2.05	5.42
17.08	17.20	1.70	5.42
17.20	17.32	1.60	5.40
17.32	17.42	1.50	5.39
17.42	17.52	1.20	5.46
17.52	17.62	1.40	5.47
17.62	17.72	2.10	5.60
17.72	17.87	2.00	5.31
17.87	17.99	1.50	5.51
17.99	18.11	1.40	5.46
18.11	18.22	1.80	5.74
18.22	18.31	2.45	5.35
18.31	18.40	1.20	5.43
18.40	18.49	2.15	5.31
18.49	18.58	1.80	5.44
18.58	18.68	1.45	5.41
18.68	18.78	4.80	5.03
18.78	18.89	5.95	4.83
18.89	18.98	2.80	5.28
18.98	19.09	2.40	5.52

Høghetta Ice Dome in May - Jun., 1987: Conductivity and pH

Top (m)	Bottom (m)	Cond. $\mu\text{S/cm}$	pH	Top (m)	Bottom (m)	Cond. $\mu\text{S/cm}$	pH	Top (m)	Bottom (m)	Cond. $\mu\text{S/cm}$	pH
19.09	19.18	2.30	5.50	25.96	26.08	1.90	5.45	33.20	33.28	26.00	4.83
19.18	19.28	1.95	5.53	26.08	26.20	3.50	5.31	33.28	33.40	7.20	5.16
19.28	19.38	2.20	5.34	26.20	26.33	1.95	5.48	33.28	33.48		
19.38	19.49	2.50	5.33	26.33	26.42	1.55	5.50	33.40	33.48	1.10	5.72
19.49	19.59	2.25	5.04	26.42	26.51	2.95	5.50	33.48	33.56	1.55	6.11
19.59	19.70	2.60	5.62	26.51	26.60	2.65	5.60	33.48	33.63		
20.18	20.28	3.20	5.63	26.60	26.70	3.60	5.44	33.56	33.63	2.30	5.55
20.28	20.38	1.40	5.65	26.70	26.81	2.10	5.58	33.63	33.89		
20.38	20.48	1.65	5.60	26.81	26.91	1.60	5.53	33.89	34.15	2.15	5.42
20.48	20.60	1.35	5.58	26.91	27.02	2.85	5.52	34.15	34.36	1.70	5.44
20.60	20.72	1.20	5.58	27.02	27.14	2.95	5.56	34.26	34.36	2.00	5.61
20.72	20.83	1.60	5.60	27.14	27.21	4.30	6.48	34.36	34.58	1.90	5.39
20.83	20.98	3.80	5.52	27.14	27.30	3.60	5.21	34.58	34.80	1.65	5.43
20.93	21.03	2.00	5.67	27.21	27.30	3.60	5.30	34.80	34.92	1.90	5.92
21.03	21.13	1.75	5.57	27.30	27.40	2.15	5.47	34.80	35.02	1.80	5.40
21.13	21.24	2.05	5.44	27.40	27.51	3.25	5.75	34.92	35.02	2.05	5.68
21.24	21.33	1.55	5.49	27.40	27.60	2.80	5.56	35.02	35.15	4.24	5.41
21.33	21.43	2.70	5.50	27.51	27.60	1.90	5.80	35.02	35.25	5.40	5.20
21.43	21.54	1.30	5.48	27.60	27.67	2.60	5.66	35.15	35.25	2.00	5.64
21.54	21.65	1.75	5.42	27.60	27.73	4.55	5.48	35.25	35.37	1.40	5.94
21.65	21.76	2.60	5.33	27.67	27.73	2.80	5.53	35.25	35.46	2.60	5.62
21.76	21.87	1.60	5.44	27.80	27.95	2.80	5.39	35.37	35.46	0.98	5.89
21.87	21.99	2.00	5.54	27.95	28.19	1.60	5.46	35.46	35.55	1.75	5.69
21.99	22.09	3.65	5.15	28.19	28.38	1.35	5.46	35.46	35.67	3.00	5.55
22.09	22.20	1.80	5.35	28.38	28.51	1.20	5.78	35.55	35.89	1.60	5.46
22.20	22.30	3.05	5.18	28.38	28.62	1.15	5.59	35.89	36.14	3.35	5.20
22.30	22.39	1.65	5.49	28.51	28.62	1.30	5.67	36.14	36.39	2.50	5.39
22.39	22.51	1.90	5.37	28.62	28.73	1.60	5.62	36.39	36.52	1.60	5.81
22.51	22.61	2.20	5.67	28.62	28.91	5.50	5.38	36.39	36.64	1.95	5.40
22.61	22.71	1.90	5.39	28.73	28.91	2.60	5.57	36.52	36.64	2.65	5.83
22.71	22.82	2.70	5.48	28.91	29.01	3.50	5.63	36.64	36.79	1.25	5.42
22.82	22.93	9.25	6.09	28.91	29.08	5.20	5.54	36.79	36.90	3.20	6.12
22.93	23.02	1.90	5.68	29.01	29.08	5.00	5.66	36.79	37.00	1.50	5.74
23.02	23.11	1.65	5.48	29.08	29.19	1.90	5.66	36.90	37.00	1.45	6.12
23.11	23.20	1.70	5.39	29.08	29.27	2.15	5.40	37.00	37.12	1.50	5.74
23.20	23.29	2.20	5.52	29.19	29.27	3.60	5.34	37.00	37.24	1.25	5.48
23.29	23.40	1.45	5.44	29.27	29.35	1.40	5.63	37.12	37.24	1.00	6.10
23.40	23.50	1.65	5.37	29.27	29.45	1.80	5.51	37.24	37.32	2.40	5.68
23.50	23.60	2.00	5.33	29.35	29.45	1.65	5.74	37.24	37.40	2.45	5.31
23.60	23.70	2.00	5.47	30.13	30.31	2.25	5.40	37.32	37.40	2.35	5.48
23.70	23.79	1.25	5.47	30.31	30.51	5.30	5.40	37.40	37.50	0.87	5.94
23.79	23.90	1.55	5.38	30.51	30.70	1.45	5.56	37.40	37.50	0.87	5.94
23.90	24.00	3.20	5.52	30.70	30.83	1.40	5.56	37.40	37.60	1.95	5.35
24.00	24.09	2.25	5.32	30.83	30.97	1.30	5.63	37.40	37.60	1.95	5.35
24.09	24.18	1.75	5.38	30.97	31.20	2.05	5.48	37.50	37.60	2.05	5.55
24.18	24.29	2.25	5.38	31.20	31.41	3.90	5.59	37.50	37.60	2.05	5.55
24.29	24.38	1.40	5.56	31.41	31.49	0.93	5.78	37.60	37.70	3.00	5.52
24.38	24.49	1.35	5.49	31.41	31.57	1.60	5.77	37.60	37.70	3.00	5.52
24.49	24.59	1.30	5.47	31.49	31.57	1.20	5.68	37.60	37.80	2.35	5.31
24.59	24.69	2.20	5.50	31.57	31.65	1.65	5.74	37.60	37.80	2.35	5.31
24.69	24.79	1.20	5.51	31.57	31.72	1.90	5.52	37.70	37.80	1.20	5.77
24.79	24.90	2.65	5.46	31.65	31.72	2.80	5.50	37.70	37.80	1.20	5.77
24.90	25.07	1.80	5.38	31.72	31.94	24.00	4.46	37.80	37.93	4.70	5.64
25.07	25.15	1.65	5.36	31.94	32.16	0.73	5.38	37.80	37.93	4.70	5.64
25.15	25.25	2.00	5.41	32.16	32.37	2.10	5.47	37.80	38.05	2.90	5.35
25.25	25.36	2.40	5.51	32.37	32.60	2.40	5.41	37.80	38.05	2.90	5.35
25.36	25.46	1.80	5.54	32.60	32.85	2.60	5.27	37.93	38.05	3.40	5.74
25.46	25.55	1.40	5.56	32.85	32.96	0.71	5.78	37.93	38.05	3.40	5.74
25.55	25.64	1.80	5.57	32.85	33.09	1.05	5.52	38.05	38.15	4.20	5.69
25.64	25.73	2.60	5.29	32.96	33.09	0.73	5.87	38.05	38.15	4.20	5.69
25.73	25.82	1.40	5.45	33.09	33.20	26.00	8.30	38.05	38.27	1.30	5.44
25.82	25.96	1.95	5.35	33.09	33.28	23.00	6.15	38.05	38.27	1.30	5.44

Høghetta Ice Dome in May - Jun., 1987: Conductivity and pH

Top (m)	Bottom (m)	Cond. $\mu\text{S/cm}$	pH
38.15	38.27	5.00	6.57
38.15	38.27	5.00	6.57
38.27	38.40	2.15	5.56
38.27	38.40	2.15	5.56
38.40	38.50	5.25	6.31
38.40	38.50	5.25	6.31
38.40	38.56	3.30	5.29
38.40	38.56	3.30	5.29
38.50	38.56	2.60	5.69
38.50	38.56	2.60	5.69
38.56	38.63	1.65	5.74
38.56	38.63	1.65	5.74
38.56	38.71	0.88	5.51
38.56	38.71	0.88	5.51
38.63	38.71	1.55	5.77
38.63	38.71	1.55	5.77
38.74	38.92	3.00	5.29
38.74	38.92	3.00	5.29
38.92	39.09	3.25	5.29
38.92	39.09	3.25	5.29
39.09	39.20	5.00	5.30
39.09	39.20	5.00	5.30
39.09	39.31	6.70	5.21
39.09	39.31	6.70	5.21
39.20	39.31	4.20	5.30
39.20	39.31	4.20	5.30
39.31	39.54	6.85	5.33
39.54	39.80	7.45	4.94
40.30	40.45	4.35	5.17
40.45	40.60	4.90	5.10
40.60	40.68	2.20	5.53
40.60	40.76	3.60	
40.68	40.76	1.80	5.70
40.76	40.85	1.80	5.82
40.76	40.94	4.05	5.27
40.85	40.94	5.80	5.53
40.94	41.05	1.90	5.41
41.07	41.21	2.40	5.43
41.21	41.38	2.00	5.44
41.38	41.55	1.75	5.44
41.55	41.64	1.40	5.69
41.55	41.74	3.20	5.27
41.64	41.74	2.10	5.50
41.74	41.83	2.05	5.76
41.74	41.92	1.70	5.51
41.83	41.92	1.50	5.81
41.92	42.08	1.65	5.47
42.00	42.08	1.80	5.57
42.08	42.22	1.80	5.57
42.22	42.32	1.25	6.00
42.22	42.43	1.50	5.55
42.32	42.43	1.60	5.82
42.43	42.53	1.55	5.79
42.43	42.67	1.60	5.54
42.53	42.90	1.90	5.54
42.90	43.04	2.15	5.42
43.04	43.24	1.60	5.54
43.24	43.38	1.75	5.58
43.38	43.59	1.70	5.48
43.59	43.76	1.60	5.48
43.76	43.93	2.05	5.39
43.93	44.10	1.80	5.57

Top (m)	Bottom (m)	Cond. $\mu\text{S/cm}$	pH
44.10	44.20	1.35	5.82
44.10	44.33	1.70	5.47
44.20	44.33	1.90	5.58
44.33	44.55	1.80	5.42
44.55	44.64	1.70	5.58
44.55	44.72	1.75	5.47
44.64	44.72	1.60	5.82
44.72	44.83	1.70	5.89
44.72	44.91	1.80	5.50
44.91	45.10	1.80	5.47
45.10	45.30	1.60	5.44
45.30	45.51	2.70	5.25
45.51	45.72	1.85	5.38
45.72	45.93	1.70	5.40
45.93	45.82	1.65	5.67
45.93	46.13	1.85	5.57
46.13	46.26	1.05	5.85
46.13	46.39	1.50	5.48
46.26	46.39	1.25	5.73
46.39	46.59	1.75	5.42
46.59	46.76	1.80	5.46
46.76	46.84	1.60	5.86
46.76	46.91	1.45	5.53
46.84	46.91	1.45	6.34
46.91	47.01	1.90	6.07
46.91	47.10	1.75	5.46
47.01	47.10	1.50	5.72
47.10	47.20	1.35	5.77
47.10	47.30	1.65	5.50
47.20	47.30	1.25	5.82
47.30	47.40	1.80	5.69
47.30	47.50	2.30	5.51
47.40	47.50	2.90	5.47
47.50	47.60	3.30	5.58
47.50	47.78	1.75	5.58
47.60	47.69	1.30	5.72
47.69	47.78	1.05	5.86
47.78	47.85	1.55	5.70
47.78	47.95	2.10	5.43
47.85	47.95	2.25	5.76
47.95	48.04	1.75	5.68
47.95	48.12	2.10	5.43
48.04	48.12	1.65	5.71
48.12	48.21	1.70	5.63
48.12	48.31	2.90	5.47
48.21	48.31	2.60	5.62
48.31	48.54	3.65	5.27
48.54	48.75	5.95	5.06
48.75	49.00	1.45	5.58
49.00	49.10	1.40	5.78
49.00	49.20	1.30	5.56
49.10	49.20	1.15	5.79
49.20	49.30	1.65	5.72
49.20	49.40	0.93	5.87
49.30	49.40	1.45	5.85
49.40	49.52	1.45	5.72
49.40	49.65	1.65	5.56
49.52	49.65	1.40	5.74
50.09	50.30	1.40	5.59
50.30	50.50	1.50	5.71
50.50	50.72	1.60	5.55
50.72	50.96	1.80	5.56

Top (m)	Bottom (m)	Cond. $\mu\text{S/cm}$	pH
50.96	51.12	1.60	5.53
51.12	51.43	1.35	5.56
51.43	51.51	1.60	5.71
51.43	51.59	2.25	5.53
51.51	51.59	2.35	5.62
51.59	51.72	1.80	5.53
51.72	51.96	1.65	5.53
51.96	52.12	1.40	5.61
52.12	52.35	1.55	5.60
52.35	52.59	1.40	5.46
52.59	52.72		
52.72	52.89	1.60	5.55
52.89	53.08	1.80	5.66
53.08	53.26	1.50	5.59
53.26	53.45	2.05	5.54
53.45	53.63	1.60	5.64
53.63	53.82	1.65	5.72
53.82	53.99	1.40	5.64
53.99	54.20	1.55	5.65
54.20	54.42	0.84	5.78
54.42	54.49	0.89	5.82
54.42	54.59	1.20	5.68
54.49	54.59	1.45	5.76
54.59	54.80	1.20	5.66
54.80	55.01	1.25	5.63
55.01	55.20	1.25	5.58
55.23	55.42	0.58	5.73
55.42	55.55	0.68	5.76
55.55	55.68	1.40	5.67
55.55	55.83	1.50	5.54
55.68	55.83	1.35	5.68
55.83	56.03	1.40	5.46
56.03	56.23	1.40	5.60
56.23	56.48	1.45	5.57
56.48	56.57	1.35	5.78
56.48	56.63	1.50	5.61
56.57	56.63	1.80	5.69
56.63	56.81	1.40	5.54
56.81	56.97	1.25	5.63
56.97	57.13	1.65	5.59
57.13	57.23	2.00	5.85
57.13	57.30	1.40	5.63
57.30	57.47	2.00	5.56
57.47	57.56	1.10	5.85
57.47	57.73	1.00	5.74
57.56	57.65	1.30	5.78
57.73	57.93	1.45	5.63
57.93	58.20	1.60	5.55
58.20	58.32	1.25	5.78
58.20	58.43	1.40	5.55
58.32	58.43	1.65	5.73
58.43	58.66	1.10	5.72
58.66	63.63	1.40	5.72
58.66	58.75	1.60	5.57
58.75	58.84	1.00	5.66
58.84	58.92	1.20	5.63
58.92	59.01	1.50	5.75
59.01	59.09	1.20	5.73
59.09	59.20	1.60	5.71
59.20	59.29	1.95	5.68
59.29	59.38	1.90	5.65
59.38	59.47	2.15	5.60

Høghetta Ice Dome in May - Jun., 1987: Conductivity and pH

Top (m)	Bottom (m)	Cond. $\mu\text{S/cm}$	pH	Top (m)	Bottom (m)	Cond. $\mu\text{S/cm}$	pH	Top (m)	Bottom (m)	Cond. $\mu\text{S/cm}$	pH
59.47	59.57	1.35	5.65	66.46	66.54	2.20	5.54	72.54	72.60	1.80	5.58
59.57	59.66	1.60	5.53	66.54	66.61	1.40	5.54	72.60	72.66	1.60	5.54
59.66	59.75	1.45	5.59	66.61	66.69	1.20	5.59	72.66	72.77	1.60	5.62
59.75	59.86	1.60	5.77	66.69	66.75	1.60	5.60	72.77	72.79	1.70	5.53
59.86	59.96	1.30	5.83	66.75	66.84	1.40	5.58	72.79	72.89	2.15	5.68
60.35	60.46	1.55	5.68	66.84	66.91	1.30	5.60	72.89	72.97	1.80	5.76
60.46	60.54	1.20	5.74	66.91	66.99	1.90	5.57	72.97	73.03	1.10	5.72
60.54	60.61	1.10	5.75	66.99	67.05	1.65		73.03	73.12	1.40	5.72
60.61	60.67	1.20	5.84	67.05	67.12	2.00	5.40	73.49	73.57	1.10	5.68
60.67	60.74	1.35	5.57	67.12	67.22	1.70	5.50	73.57	73.65	1.30	5.70
60.74	60.80	1.50	5.60	67.22	67.33	1.70	5.58	73.65	73.73	1.55	5.62
60.80	60.87	1.30	5.57	67.33	67.44	1.80	5.44	73.73	73.81	1.65	5.65
60.87	60.93	1.40	5.51	67.44	67.55	1.60	5.56	73.81	73.90	1.40	5.64
60.93	61.00	1.40	5.60	67.55	67.63	1.95	5.57	73.90	73.98	1.40	5.64
61.00	61.07	1.80	5.49	67.63	67.70	1.90	5.51	73.98	74.06	1.80	5.57
61.07	61.18	1.10	5.64	67.70	67.77	1.85	5.59	74.06	74.15	2.65	5.56
61.18	61.28	1.10	5.67	67.77	67.85	1.65	5.59	74.15	74.21	2.15	5.43
61.28	61.38	1.15	5.66	67.85	67.93	1.25	5.67	74.21	74.27	2.60	5.47
61.38	61.48	1.30	5.61	67.93	68.03	1.20	5.57	74.27	74.33	1.90	5.46
61.48	61.57	1.70	5.57	68.03	68.11	2.40	5.59	74.33	74.40	1.40	5.58
61.57	61.68	1.40	5.70	68.11	68.20	1.60	5.67	74.40	74.48	1.40	5.64
61.71	61.81	1.70	5.53	68.20	68.29	1.30	5.64	74.48	74.53	1.70	5.56
61.81	61.92	1.50	5.67	68.29	68.37	1.30	5.53	74.53	74.63	1.65	5.54
61.92	62.03	1.50	5.64	68.37	68.46	1.30	5.54	74.63	74.72		
62.03	62.13	1.70	5.56	68.46	68.53	1.60	5.58	74.72	74.82	1.10	5.77
62.13	62.25	2.00	5.39	68.53	68.63	1.10	5.65	74.82	74.90	1.35	5.72
62.25	62.37	1.70	5.65	68.63	68.72	1.25	5.64	74.90	74.97	1.75	5.62
62.37	62.47	2.80	5.65	68.72	68.82	1.40	5.55	74.97	75.04	1.30	5.58
62.47	62.58	2.80	5.66	68.82	68.91	1.95	5.55	75.04	75.11	1.40	5.41
62.58	62.69	1.90	5.66	68.91	69.03	1.80	5.71	75.11	75.19	2.20	5.52
62.69	62.79	1.50	5.68	69.03	69.15	2.10	5.53	75.60	75.68	2.15	5.78
62.79	62.90	1.30	5.59	69.15	69.26	1.70	5.64	75.68	75.76	1.15	5.86
62.90	63.00	1.40	5.59	69.26	69.35	2.85	5.72	75.76	75.85	1.20	5.85
63.00	63.11	1.30	5.59	69.35	69.46	2.80	5.70	75.85	75.93	1.20	5.65
63.11	63.22	1.60	5.64	69.46	69.56	3.00	5.58	75.93	76.06	1.10	5.74
63.22	63.30	1.90	5.65	69.56	69.67	3.00	5.68	76.06	76.19	1.15	5.64
63.30	63.36	1.60	5.54	69.67	69.77	1.40	5.65	76.19	76.28	1.40	5.68
63.36	63.47	1.60	5.51	69.77	69.86	1.90	5.60	76.28	76.37	2.40	5.57
63.47	63.52	1.60	5.57	69.86	69.94	1.60	5.62	76.37	76.47	1.60	5.65
63.63	63.72	1.40	5.49	70.39	70.48	2.75	5.26	76.47	76.56	1.45	5.68
63.72	63.83	1.70	5.59	70.48	70.55	2.00	5.52	77.07	77.78	2.35	5.63
63.83	63.92	2.05	5.57	70.55	70.63	2.20	5.49	77.78	77.87	1.70	5.64
63.92	64.03	2.20	5.59	70.63	70.72	1.75	5.54	77.87	77.95	1.15	5.67
64.03	64.14	1.80	5.57	70.72	70.81	1.30	5.61	77.95	78.03	1.55	5.65
64.14	64.22	1.70	5.54	70.81	70.89	1.60	5.61	78.03	78.10	1.95	5.59
64.22	64.29	1.20	5.51	70.89	71.00	1.70	5.62	78.10	78.19	1.75	5.69
64.29	64.38	1.20	5.55	71.00	71.11	1.30	5.70	78.19	78.27	1.30	5.71
64.38	64.44	1.90	5.57	71.11	71.19	1.40	5.62	78.27	78.35	1.60	5.70
64.44	64.54	2.00	5.57	71.19	71.27	1.20	5.59	78.35	78.46	1.50	5.62
64.93	65.01	2.50	5.39	71.27	71.35			78.46	78.55	2.10	5.56
65.01	65.10	1.70	5.53	71.35	71.48	1.90	5.72	78.55	78.65	2.40	5.61
65.10	65.20	2.60	5.40	71.48	71.53	2.15	5.73	78.65	78.76	1.80	5.66
65.20	65.30	2.40	5.43	71.53	71.61	1.45	5.57	78.76	78.86	3.05	5.71
65.30	65.37	1.30	5.57	71.61	71.70	1.40	5.57	78.86	78.95	1.60	5.70
65.37	65.44	1.95	5.60	71.70	71.79	1.50	5.52	78.95	79.07	1.90	5.70
65.79	65.88	1.40	5.47	71.79	71.89	1.60	5.54	79.07	79.17	1.50	5.66
65.88	65.98	1.45	5.48	72.21	72.27	2.00	5.59	79.17	79.28	2.25	5.68
65.98	66.08	1.70	5.51	72.21	72.27	2.70	5.29	79.28	79.39	2.60	5.68
66.08	66.18	2.10	5.38	72.27	72.34	1.45	5.59	79.39	79.50	1.95	5.72
66.18	66.28	2.15	5.40	72.34	72.40	1.50	5.66	79.50	79.63	2.25	5.47
66.28	66.38	1.60	5.57	72.40	72.47	1.95	5.68	79.63	79.72	2.05	5.49
66.38	66.46	1.60	5.46	72.47	72.54	3.00	5.63	79.72	79.82	2.10	5.55

Table 3. Tritium concentration.

*Høghetta Ice Dome in May - Jun.,
1987: Conductivity and pH*

Top (m)	Bottom (m)	Cond. $\mu\text{S/cm}$	pH
79.82	79.92	2.30	5.52
79.92	80.01	2.40	5.57
80.01	80.10	1.60	5.55
80.10	80.20	1.75	5.58
80.20	80.27	1.60	5.61
80.27	80.35	1.90	5.47
80.35	80.43	1.15	5.67
80.43	80.51	1.30	5.69
80.95	81.04	2.70	5.81
81.04	81.13	2.20	5.76
81.13	81.23	1.45	5.86
81.23	81.30	1.25	5.84
81.30	81.39	1.20	5.89
81.39	81.50	1.80	5.81
81.50	81.60	1.40	5.83
81.60	81.71	1.40	5.68
81.71	81.82	1.80	5.75
81.82	81.96	1.80	5.78
81.96	82.03	4.30	6.42
82.03	82.11	2.95	6.54
82.11	82.19	1.40	5.84
82.19	82.25	1.25	5.80
82.25	82.39	1.15	5.81
82.39	82.45	1.45	5.82
82.45	82.55	2.60	5.85
82.55	82.65	3.10	5.82
82.65	82.73	1.80	5.93
82.73	82.82	2.00	5.79
82.82	82.94	4.35	5.72
82.94	83.06	3.00	5.77
83.06	83.17	1.45	5.76
83.17	83.30	1.30	5.69
83.30	83.42	2.15	5.64
83.42	83.52	1.80	5.57
83.52	83.61	1.40	5.69
83.61	83.72	1.60	5.67
83.72	83.82	1.65	5.71
83.82	83.93	1.60	5.65
83.93	84.03	1.25	5.64
84.03	84.13	1.40	5.66
84.13	84.23	1.20	5.67
84.23	84.34	1.95	5.67
84.34	84.47	2.30	5.80
84.47	84.56	1.80	5.68
84.56	84.66	2.20	5.74
84.66	84.78	2.65	5.68
84.78	84.87	1.45	5.65
84.87	84.98	1.35	5.67
84.98	85.10	3.00	5.61

Austfonna in April-May, 1999: Tritium data

Top (m)	Bottom (m)	^3H (TU)	Top (m)	Bottom (m)	^3H (TU)
1.05	1.44	7.9	28.17	28.60	9.3
1.44	1.94	5.4	28.60	28.96	17.5
1.94	2.45	5.0	28.96	29.46	1.2
2.45	2.96	5.5	29.46	29.96	14.2
2.96	3.45	4.4	29.96	30.44	12.0
3.45	3.95	3.7	30.44	30.86	3.3
3.95	4.45	3.2	30.86	31.29	1.3
4.45	4.95	3.1	31.29	31.70	0.1
4.95	5.45	3.9	31.70	32.15	0.0
5.45	5.77	0.5	32.15	32.55	0.2
5.77	6.11	2.7	32.55	33.04	0.1
6.11	6.34		33.04	33.46	1.1
6.34	6.78	0.9			
6.78	7.22	2.4			
7.22	7.70	3.5			
7.70	8.09	4.0			
8.09	8.49	3.1			
8.49	8.87	4.7			
8.87	9.37	5.5			
9.37	9.77	3.5			
9.77	10.27	0.5			
10.27	10.73	4.6			
10.73	11.22	3.5			
11.22	11.62	4.4			
11.62	12.02	8.4			
12.02	12.55	6.0			
12.55	13.00	8.0			
13.00	13.34	11.9			
13.34	13.83	11.9			
13.83	14.33	13.6			
14.33	14.76	10.2			
14.76	15.28	8.1			
15.28	15.80	14.6			
15.80	16.32	15.0			
16.32	16.66	8.5			
16.66	17.08	14.7			
17.08	17.43	21.9			
17.43	17.79	20.7			
17.79	18.20	12.7			
18.20	18.66	25.6			
18.66	19.10	27.7			
19.10	19.57	29.9			
19.57	19.90	36.9			
19.90	20.28	42.1			
20.28	20.75	72.4			
20.75	21.11	146.1			
21.11	21.54	260.3			
21.54	21.99	121.6			
21.99	22.44	116.6			
22.44	22.91	34.7			
22.91	23.30	24.4			
23.30	23.74	48.5			
23.74	24.16	70.9			
24.16	24.62	27.0			
24.62	25.10	29.0			
25.10	25.54	27.9			
25.54	26.00	27.7			
26.00	26.42	32.7			
26.42	26.85	21.7			
26.85	27.25	12.5			
27.25	27.70	1.9			
27.70	28.17	1.1			

Austfonna in March-April, 1998: Tritium data

Top (m)	Bottom (m)	³ H (TU)
0.80	1.05	106.7
1.05	1.30	1.6
1.30	1.62	3.8
1.62	1.86	0.0
1.86	2.09	1.0
2.09	2.34	272.8
2.34	2.59	7.3
2.59	2.79	11.9
2.79	3.18	1.6
3.18	3.40	5.0
3.40	3.65	16.1
3.65	3.90	5.3
3.90	4.20	56.2
4.44	4.68	1.9
4.68	4.93	2.7
4.93	5.18	2.7
5.18	5.55	0.1
5.55	6.04	0.0
6.04	6.43	1.1
6.43	6.75	5.3
6.75	6.91	2.4
6.91	7.08	10.9
7.08	7.85	6.2
7.85	8.15	0.4
8.15	8.33	10.4
8.33	8.49	5.5
8.49	8.65	1.4
8.65	8.82	5.1
8.82	8.98	3.3
8.89	9.08	1.1
9.35	9.50	11.8
9.50	9.75	4.2
9.75	10.14	1.2
10.14	10.48	5.1
10.48	10.97	8.4
10.97	11.19	7.0
11.19	11.43	7.6
11.43	11.68	13.4
11.68	11.90	5.5
11.90	12.15	6.1
12.15	12.65	9.7
12.65	12.90	8.1
12.90	13.15	6.7
13.15	13.33	10.3
13.33	13.57	33.2
13.57	13.82	7.2
13.82	14.32	7.9
14.32	14.58	3.9
14.58	15.00	5.3
15.00	15.26	9.4
15.26	15.51	11.0
15.51	15.76	11.1
15.76	16.01	8.8
16.01	16.26	9.1
16.26	16.51	9.1
16.51	16.77	9.7
16.77	17.02	48.7
17.02	17.28	24.4
17.28	17.54	25.7
17.54	17.78	27.6
17.78	18.03	27.7
18.03	18.28	32.6

Top (m)	Bottom (m)	³ H (TU)
18.28	18.53	32.3
18.53	18.88	25.2
18.88	19.38	36.1
19.38	19.63	159.2
19.63	19.88	57.9
19.88	20.13	71.2
20.13	20.33	79.0
20.33	20.58	93.5
20.58	20.83	130.5
20.83	21.08	248.6
21.08	21.33	217.9
21.33	21.54	127.5
21.54	21.74	117.5
21.74	21.99	155.0
21.99	22.24	133.4
22.24	22.53	73.3
22.53	22.80	48.9
22.80	23.15	79.8
23.15	23.40	62.6
23.40	23.65	80.2
23.65	23.90	50.5
23.90	24.15	42.8
24.15	24.55	33.1
24.55	24.79	24.9
24.79	25.29	32.8
25.29	25.54	47.8
25.54	25.92	26.6
25.92	26.17	30.5
26.17	26.42	13.3
26.42	26.67	10.1
26.67	26.91	9.7
26.91	27.14	8.4
27.14	27.61	14.8
27.61	27.86	17.6
27.86	28.11	31.7
28.11	28.36	15.4
28.36	28.59	2.9
28.59	28.82	19.7
28.82	29.06	29.9
29.06	29.31	8.4
29.31	29.56	0.7
29.56	30.15	3.6
30.15	30.40	4.1
30.40	30.65	2.7
30.65	30.89	6.9
30.89	31.14	0.4
31.14	31.38	1.3
31.38	31.88	0.1
31.88	32.13	0.2
32.13	32.38	0.0
32.38	32.63	6.4
32.63	32.88	4.3
32.88	33.13	0.0
33.13	33.38	0.0
33.38	33.63	0.0
33.63	33.88	0.0
33.88	34.10	0.0
34.10	34.57	0.0
34.57	34.82	0.0
34.82	35.07	0.0
35.07	35.32	0.1
35.32	35.67	0.0

Top (m)	Bottom (m)	³ H (TU)
35.67	35.91	0.0
35.91	36.16	1.4
36.16	36.43	0.0
36.43	37.09	0.0
37.09	37.59	0.0
37.59	38.09	0.0
38.09	38.48	0.0
38.48	38.72	0.2
38.72	39.22	0.3
39.22	39.67	8.0
39.67	40.12	0.8
40.12	40.37	0.0

Vestfonna in May-June, 1995:
Tritium data

Top (m)	Bottom (m)	³ H (TU)
0.00	0.75	4.3
0.75	1.94	11.3
1.94	2.86	14.2
2.86	3.87	8.8
3.87	4.85	7.4
4.85	5.94	12.3
5.94	6.94	5.4
6.94	7.79	7.3
7.79	8.81	13.4
8.81	9.77	16.0
9.77	10.90	19.7
10.90	11.44	22.1
11.44	11.90	22.8
11.90	12.41	39.1
12.41	12.93	33.2
12.93	13.53	41.2
13.53	14.63	83.4
14.63	15.98	284.2
15.98	16.89	111.6
16.89	17.33	141.4
17.33	18.16	52.5
18.16	19.05	19.5
19.05	19.47	57.2
19.47	20.20	20.4
20.20	20.42	38.8
20.42	21.31	37.8
21.31	22.29	31.9
22.29	23.10	12.5
23.10	23.79	28.1
23.79	24.50	28.0
24.50	25.31	5.6
25.31	25.53	36.0
25.53	26.11	4.0
26.11	26.57	1.3
26.57	27.74	4.5
27.74	28.05	0.0

Åsgårdfonna in June-July,
1993: Tritium data

Top (m)	Bottom (m)	³ H (TU)
1.67	2.16	0.0
2.16	2.66	0.0
2.66	3.13	0.0
3.13	3.60	0.2
3.60	3.94	5.1
3.94	4.29	2.0
4.29	4.66	4.2
4.66	5.00	4.1
5.00	5.33	10.0
5.33	5.66	10.7
5.66	5.99	3.6
5.99	6.34	8.8
6.34	6.69	13.7
6.69	7.06	10.9
7.06	7.43	24.8
7.43	7.81	26.5
7.81	8.18	15.1
8.18	8.55	27.5
8.55	8.91	22.7
8.91	9.27	19.0
9.27	9.65	25.6
9.65	10.09	33.8
10.09	10.52	38.6
10.52	10.94	38.7
10.94	11.36	74.6
11.36	11.72	108.1
11.72	12.08	119.4
12.08	12.44	176.5
12.44	12.79	259.4
12.79	13.14	189.4
13.14	13.56	146.5
13.56	13.98	141.6
13.98	14.33	130.2
14.33	14.68	64.3
14.68	15.03	87.5
15.03	15.37	172.5
15.37	15.71	87.2
15.71	16.06	78.2
16.06	16.41	82.4
16.41	16.85	36.2
16.85	17.32	52.8
17.32	17.77	51.1
17.77	18.20	47.9
18.20	18.66	21.3
18.66	19.13	52.9
19.13	19.51	3.7
19.51	19.86	0.0
19.86	20.26	0.0
20.26	20.67	15.9
20.67	21.07	9.4
21.07	21.43	14.9
21.43	21.79	7.4
21.79	22.16	2.2
22.16	22.53	0.0
22.53	22.92	0.0
22.92	23.31	0.0

Høghetta Ice Dome in May-
Jun., 1987: Tritium data

Top (m)	Bottom (m)	³ H (TU)
0.00	0.06	25.4
0.06	0.12	44.2
0.12	0.18	22.7
0.18	0.24	32.7
0.24	0.29	23.6
0.29	0.35	42.0
0.35	0.40	16.3
0.40	0.45	41.5
0.45	0.54	20.6
0.54	0.60	28.9
0.60	0.66	21.2
0.66	0.75	55.3
0.75	0.95	51.6
0.95	1.09	43.2
1.09	1.19	103.4
1.19	1.29	126.3
1.29	1.38	107.1
1.38	1.45	322.9
1.45	1.51	386.6
1.51	1.57	481.3
1.57	1.62	461.1
1.62	1.67	356.3
1.67	1.72	427.9
1.72	1.77	378.4
1.77	1.81	97.0
1.81	1.86	62.4
1.86	1.90	71.3
1.90	2.00	102.3
2.00	2.09	55.5
2.09	2.18	36.3
2.18	2.27	33.7
2.27	2.35	52.8
2.35	2.44	35.7
2.44	2.53	58.4
2.53	2.62	79.2
2.62	2.74	44.3
2.74	2.84	77.9
2.84	2.93	52.6
2.93	3.02	18.8
3.02	3.11	34.9
3.11	3.20	37.0
3.20	3.29	36.2

Table 4. Density of ice core.

Austfonna in Apr.-Jun., 1999: Density

Top (m)	Bottom (m)	Density (kg/m ³)	Top (m)	Bottom (m)	Density (kg/m ³)	Top (m)	Bottom (m)	Density (kg/m ³)	Top (m)	Bottom (m)	Density (kg/m ³)
1.05	1.44	343	53.58	53.86	912	104.88	105.73	910	146.78	147.06	894
1.44	1.69	438	53.86	54.54	889	105.73	106.45	906	147.06	147.39	894
1.69	2.45	457	54.54	55.20	907	106.53	107.38	915	147.39	147.69	902
2.45	2.71	491	55.20	55.87	880	107.38	108.22	909	147.89	148.55	923
2.71	3.45	550	55.89	56.62	900	108.22	108.99	897	148.92	149.21	888
3.87	4.21	607	56.62	57.33	922	108.99	109.84	907	149.21	149.47	891
4.71	5.13	843	57.33	58.03	896	109.84	110.68	908	149.83	150.21	911
5.13	5.45	445	58.03	58.78	897	110.68	111.21	912	150.94	151.28	908
5.77	6.11	626	58.82	59.72	906	111.21	111.53	904	151.28	151.64	905
6.34	7.22	834	59.72	60.63	899	111.53	112.36	901	153.17	153.47	915
7.22	8.09	771	60.63	61.42	890	112.36	113.20	914	153.70	154.06	903
8.09	8.86	758	61.42	61.84	895	113.20	114.07	905	154.25	154.65	888
8.87	9.54	855	61.84	62.40	875	114.07	114.92	904	154.65	154.88	913
9.50	10.27	831	62.40	63.18	898	114.98	115.82	902	155.22	155.54	912
14.76	15.45	878	63.18	64.10	896	115.82	116.64	908	155.71	156.24	912
15.45	16.32	870	64.10	64.90	911	116.64	117.48	901	156.43	156.65	873
16.32	17.08	865	64.90	65.66	911	117.48	118.32	900	156.65	156.97	930
17.08	17.79	883	65.66	66.61	888	118.32	119.15	913	156.97	157.18	895
17.79	18.66	876	66.61	67.45	910	119.15	120.00	901	157.34	157.55	898
18.66	19.57	877	67.45	68.34	905	120.00	120.71	903	157.55	157.77	924
19.57	20.28	894	68.34	69.25	888	120.86	121.66	916	157.77	158.00	891
20.28	20.75	886	69.25	70.15	910	121.66	122.47	899	158.21	158.75	907
20.75	21.11	865	70.15	71.03	899	122.47	123.31	909	159.16	159.51	898
21.11	21.99	878	71.03	71.84	902	123.31	124.16	913	159.73	160.03	894
22.91	23.74	806	71.84	72.74	890	124.16	124.99	904	160.81	160.98	882
23.74	24.62	865	72.74	73.44	893	124.99	125.84	895	161.05	161.16	883
24.62	25.54	863	73.44	74.43	894	125.84	126.66	906	161.84	162.04	868
25.54	26.42	866	74.43	74.74	911	126.66	126.94	869	162.04	162.36	910
26.42	27.21	889	75.28	76.20	896	126.94	127.48	902	162.72	163.15	895
27.25	28.17	783	76.20	76.91	892	127.48	128.28	906	163.27	163.60	869
28.17	28.96	851	76.97	77.70	904	128.28	128.75	892	163.60	163.80	931
28.96	29.60	895	77.82	78.73	899	128.75	129.05	891	164.83	165.06	923
29.60	30.39	852	78.73	79.54	891	129.09	129.40	868	165.06	165.32	871
30.44	31.29	897	79.54	80.32	916	129.40	129.93	909	173.47	173.85	891
31.29	32.07	884	81.12	81.95	912	129.93	130.78	901	174.45	174.67	859
32.15	33.00	868	81.95	82.68	897	130.78	131.60	906	175.17	175.47	897
33.04	33.88	879	82.76	83.57	896	131.60	132.40	908	175.47	175.73	921
33.91	34.76	883	83.57	84.42	897	132.40	133.26	914	176.22	176.42	891
34.79	35.32	905	85.20	85.94	911	134.11	134.92	910	176.42	176.66	929
35.32	35.65	871	86.10	86.84	900	135.67	135.93	880	176.76	177.02	864
35.65	36.47	882	86.96	87.72	892	135.93	136.43	913	177.75	177.96	883
36.47	37.34	864	87.72	88.51	892	136.49	136.77	921	182.85	183.06	886
37.34	38.22	874	88.62	89.38	938	136.77	137.33	909	183.06	183.29	909
38.22	39.07	895	89.43	90.26	904	137.33	137.85	907	183.29	183.67	899
39.07	39.92	861	90.26	91.11	886	137.89	138.13	896	184.81	185.06	923
39.92	40.75	892	91.19	92.02	914	138.13	138.85	900	185.80	186.19	891
40.75	41.60	889	92.02	92.86	905	139.19	139.70	916	203.89	204.11	905
44.10	44.92	888	92.86	93.71	891	140.00	140.43	910	204.11	204.35	915
44.93	45.23	897	93.71	94.44	903	140.52	140.79	870	204.58	204.82	914
45.23	45.73	893	94.58	95.44	884	140.79	141.23	913	204.82	205.18	915
45.73	46.41	904	95.44	96.22	913	141.56	141.88	906	205.40	205.79	910
46.41	47.09	906	96.32	97.16	915	142.17	142.51	896	206.35	206.58	872
47.09	47.80	898	97.16	98.03	895	142.51	142.75	913	206.58	206.79	919
47.82	48.54	900	98.03	98.86	921	142.75	142.98	885	207.31	207.64	921
48.54	49.28	891	98.86	99.68	899	143.52	143.81	918	208.17	208.38	904
49.28	50.02	892	100.56	101.44	902	143.81	144.24	892	208.74	209.02	908
50.02	50.72	904	101.44	102.25	916	144.24	144.61	916	209.58	209.79	918
50.78	51.54	898	102.25	102.77	896	144.61	144.87	883	211.31	211.76	910
51.54	51.75	904	102.77	103.11	870	144.87	145.12	911	248.00	248.39	907
51.78	52.49	895	103.11	104.00	905	145.12	145.43	900	250.55	250.77	902
52.49	53.21	908	104.00	104.42	900	145.55	146.24	901			
53.21	53.58	899	104.42	104.88	897	146.33	146.78	899			

Austfonna in Mar. - Apr., 1998: Density

Top (m)	Bottom (m)	Density (kg/m ³)
0.00	0.50	350
0.50	0.80	408
0.80	1.39	477
1.39	1.62	477
1.62	2.09	524
2.09	2.79	579
2.79	3.18	514
3.18	3.40	474
3.40	4.08	540
4.08	4.20	526
4.20	4.82	553
4.82	5.55	768
5.55	6.04	535
6.04	6.35	794
6.35	6.74	609
6.74	7.08	833
7.08	7.53	704
7.53	8.33	613
8.33	9.08	873
9.08	9.75	871
9.75	10.48	850
10.48	11.19	886
11.19	11.90	879
11.90	12.65	873
12.65	13.33	862
13.33	14.06	865
14.06	14.77	894
14.77	15.51	897
15.51	16.16	879
16.16	16.83	881
16.83	17.54	873
17.54	18.25	869
18.25	18.88	875
18.88	19.63	881
19.63	20.33	886
20.33	21.00	858
21.00	21.74	886
21.74	22.45	875
22.45	23.15	869
23.15	23.84	863
23.84	24.55	878
24.55	25.26	862
25.26	25.92	888
25.92	26.66	872
26.66	27.36	889
27.36	28.05	861
28.05	28.82	879
28.82	29.45	880
29.45	30.15	871
30.15	30.89	886
30.89	31.38	888
31.38	32.18	867
32.18	32.88	863
32.88	33.62	849
33.62	34.33	874
34.33	34.97	874
34.97	35.67	873
35.67	36.39	884
36.39	36.70	904
36.70	37.09	872
37.09	37.40	883
37.40	37.78	892

Top (m)	Bottom (m)	Density (kg/m ³)
37.78	38.48	890
38.48	39.23	892
39.23	39.87	899
39.87	40.56	890
40.56	41.31	894
41.31	41.37	890
41.37	41.42	890
41.42	42.01	886
42.01	42.68	894
42.68	43.37	899
43.37	44.09	893
44.09	44.83	883
44.83	45.55	906
45.55	46.22	892
46.22	46.96	893
46.96	47.47	895
47.47	48.18	891
48.18	48.81	899
48.81	48.86	898
48.86	49.59	888
49.59	50.26	891
50.26	50.98	891
50.98	51.65	907
51.65	52.38	897
52.38	53.04	877
53.04	53.72	894
53.72	54.53	891
54.53	55.24	886
55.24	55.88	914
55.88	56.66	897
56.66	57.37	901
57.37	58.01	898
58.01	58.73	897
58.73	59.46	867
59.46	60.11	875
60.11	60.22	879
60.22	60.58	883
60.58	61.07	896
61.07	61.57	909
61.57	62.03	902
62.03	62.53	907
62.53	63.03	910
63.03	63.41	892
63.41	63.91	891
63.91	64.41	891
64.41	64.83	917
64.83	65.33	915
65.33	65.83	913
65.83	66.33	909
66.33	66.80	924
66.80	67.29	913
67.29	67.79	921
67.79	68.23	919
68.23	68.72	909
68.72	69.22	899
69.22	69.64	894
69.64	70.14	888
70.14	70.67	856
70.67	71.11	878
71.11	71.61	888
71.61	72.11	899
72.11	72.54	884

Top (m)	Bottom (m)	Density (kg/m ³)
72.54	73.03	902
73.03	73.53	920
73.53	74.03	899
74.03	74.32	875
74.32	74.64	852
74.64	75.09	899
75.09	75.40	893
75.40	75.75	907
75.75	76.25	906
76.25	76.66	914
76.66	76.91	911
76.91	77.31	900
77.31	77.80	919
77.80	78.30	898
78.30	79.03	859
78.70	79.03	870
79.03	79.66	881
79.31	79.66	879
79.66	80.00	878
80.00	80.46	877
80.46	81.09	853
80.80	81.09	875
81.09	81.24	896
81.24	81.85	890
81.60	81.85	888
81.85	82.55	887
82.55	82.80	894
82.80	83.31	899
83.31	83.70	886
83.70	84.03	878
84.03	84.38	870
84.38	84.98	893
84.69	84.98	908
84.98	85.23	915
85.23	85.70	922
85.70	85.99	920
85.98	86.17	919
86.16	86.62	919
86.61	87.13	885
87.12	87.65	881
87.65	88.13	859
88.13	88.63	854
88.63	89.17	863
89.17	89.67	897
89.67	90.24	904
90.24	90.69	894
90.69	91.19	916
91.19	91.69	901
91.69	92.17	886
92.17	92.68	901
92.68	93.18	916
93.18	93.50	914
93.50	93.84	913
93.84	94.45	902
94.15	94.45	911
94.45	95.08	920
94.75	95.08	908
95.08	95.50	896
95.50	96.00	899
95.83	96.50	902
96.50	96.94	883
96.94	97.60	902

Top (m)	Bottom (m)	Density (kg/m ³)
97.40	97.90	901
97.90	98.34	901
98.34	99.02	905
98.65	99.02	916
99.02	99.50	927
99.50	100.00	908
99.72	100.38	889
100.38	100.90	903
100.90	101.15	907
101.15	101.61	910
101.61	102.11	895
102.11	102.49	880
102.49	102.99	917
102.99	103.49	899
103.49	103.72	899
103.72	104.10	899
104.10	104.41	898
104.41	104.80	880
104.80	105.11	899
105.11	105.50	917
105.50	105.88	871
105.88	106.53	910
106.20	106.53	887
106.53	107.15	865
107.15	107.50	860
107.50	107.90	856
107.90	108.30	855
108.30	108.66	883
108.66	109.28	911
109.00	109.28	902
109.28	109.70	894
109.70	110.07	903
110.07	110.71	912
110.40	110.71	900
110.71	111.10	887
111.10	111.48	890
111.48	112.18	895
111.80	112.18	903
112.18	112.52	907
112.52	112.89	911
112.89	113.20	899
113.20	113.60	893
113.60	114.00	887
114.00	114.32	922
114.32	114.70	893
114.70	115.02	879
115.02	115.65	865
115.35	115.65	860
115.65	116.00	854
116.00	116.43	913
116.43	116.83	916
116.83	117.23	917
117.23	117.50	918
117.50	117.90	907
117.90	118.48	911

Vestfonna in May - Jun., 1995: Density

Top (m)	Bottom (m)	Density (kg/m ³)	Top (m)	Bottom (m)	Density (kg/m ³)	Top (m)	Bottom (m)	Density (kg/m ³)	Top (m)	Bottom (m)	Density (kg/m ³)
0.00	0.31	299	26.24	26.68	846	51.17	51.59	895	77.71	78.12	831
0.31	0.63	385	26.68	27.05	851	51.59	52.01	890	78.12	78.55	918
0.63	1.20	406	27.05	27.43	844	52.01	52.40		78.55	78.99	879
1.20	1.65	392	27.43	27.84	853	52.40	52.78	876	78.99	79.43	902
1.65	2.14	435	27.84	28.27	863	52.78	53.19	888	79.43	79.87	881
2.14	2.54	541	28.27	28.65	891	53.19	53.65	897	79.87	80.28	917
2.54	2.94	654	28.65	29.04	875	53.65	54.01	878	80.28	80.76	873
2.94	3.28	607	29.04	29.41	875	54.01	54.40	900	80.76	81.22	899
3.28	3.60	663	29.41	29.88	867	54.40	54.81	886	81.22	81.64	897
3.60	4.05	860	29.88	30.25	878	54.81	55.20	908	81.64	82.05	897
4.05	4.53	618	30.25	30.66	873	55.20	55.67	872	82.05	82.49	905
4.53	4.85	423	30.66	31.01	885	55.67	56.08	901	82.49	82.92	887
4.85	5.21	792	31.01	31.40	856	56.08	56.52	885	82.92	83.36	903
5.21	5.72	432	31.40	31.82	873	56.52	56.89	896	83.36	83.87	874
5.72	6.26	828	31.82	32.21	891	56.89	57.28	881	83.87	84.27	897
6.26	6.63	859	32.21	32.56	889	57.28	57.65	910	84.27	84.71	885
6.63	7.14	742	32.56	32.94	856	57.65	58.07	878	84.71	85.17	904
7.14	7.58	752	32.94	33.34	857	58.07	58.49		85.17	85.63	872
7.58	7.99	851	33.34	33.76	856	58.49	58.89	899	85.63	86.08	899
7.99	8.41	876	33.76	34.08	864	58.89	59.27	885	86.08	86.38	882
8.41	8.81	644	34.08	34.41	870	59.27	59.69	878	86.38	86.53	904
8.81	9.25	780	34.41	34.79	886	59.69	60.10	889	86.53	86.69	887
9.25	9.67	860	34.79	35.20	878	60.10	60.48	880	86.69	86.73	899
9.67	10.06		35.20	35.56	886	60.48	60.86	914	86.73	87.28	805
10.06	10.49	872	35.56	35.95	884	60.86	61.28	914	87.28	87.59	812
10.49	10.90		35.95	36.40	872	61.28	61.70	875	87.59	87.99	899
10.90	11.31	869	36.40	36.77	846	61.70	61.78	889	87.99	88.44	899
11.31	11.70	786	36.77	37.11	892	61.78	62.16	857	88.44	88.92	865
11.70	12.10	688	37.11	37.49	869	62.16	62.63	892	88.92	89.39	
12.10	12.51	802	37.49	37.94	898	62.63	63.03	892	89.39	89.83	866
12.51	12.93	866	37.94	38.40	871	63.03	63.48	861	89.83	90.24	909
12.93	13.33	865	38.40	38.82	884	63.48	63.90	897	90.24	90.70	887
13.33	13.73	844	38.82	39.11	873	63.90	64.32	895	90.70	91.11	899
13.73	14.12	867	39.11	39.18		64.32	64.77	893	91.11	91.50	888
14.12	14.53	854	39.18	39.58		64.77	65.20	886	91.50	91.93	902
14.53	14.91		39.58	39.96	900	65.20	65.60	890	91.93	92.35	871
14.91	15.33	839	39.96	40.34	883	65.60	66.02	854	92.35	92.82	878
15.33	15.72	868	40.34	40.73	847	66.02	66.42	834	92.82	93.25	906
15.72	16.11	855	40.73	41.08	847	66.42	66.89	889	93.25	93.68	889
16.11	16.50	834	41.08	41.48	873	66.89	67.36	893	93.68	94.09	873
16.50	16.89	823	41.48	41.90	901	67.36	67.81	884	94.09	94.55	893
16.89	17.22	852	41.90	42.37	887	67.81	68.20	893	94.55	94.60	889
17.22	17.63	870	42.37	42.79	860	68.20	68.60	888	94.60	94.96	871
17.63	18.06	844	42.79	43.25		68.60	69.05	885	94.96	95.45	894
18.06	18.47	843	43.25	43.77	878	69.05	69.51	870	95.45	95.86	894
18.47	18.85	839	43.77	44.05	848	69.51	69.97		95.86	96.31	894
18.85	19.25	834	44.05	44.39		69.97	70.44		96.31	96.74	913
19.25	19.68	843	44.39	44.77		70.44	70.86		96.74	97.17	894
19.68	20.09	847	44.77	45.17	893	70.86	71.22	868	97.17	97.59	882
20.09	20.53	847	45.17	45.60	876	71.22	71.64		97.59	98.01	897
20.53	20.97	863	45.60	45.98	847	71.64	72.07	876	98.01	98.46	890
20.97	21.31	865	45.98	46.38	881	72.07	72.53		98.46	98.91	894
21.31	21.67	853	46.38	46.80	873	72.53	73.01		98.91	99.34	880
21.67	22.20	839	46.80	47.20	883	73.01	73.42	877	99.34	99.81	899
22.20	22.58	734	47.20	47.57	855	73.42	73.90	864	99.81	100.28	883
22.58	22.97	763	47.57	47.97	888	73.90	74.33		100.28	100.72	897
22.97	23.36		47.97	48.38	862	74.33	74.79	864	100.72	101.15	878
23.36	23.79	847	48.38	48.82	884	74.79	75.22		101.15	101.57	904
23.79	24.20	846	48.82	49.16	875	75.22	75.68	897	101.57	102.01	876
24.20	24.60	863	49.16	49.53	876	75.68	76.13	908	102.01	102.49	876
24.60	24.99	867	49.53	49.95	855	76.13	76.61	859	102.49	102.94	909
24.99	25.42	890	49.95	50.39	880	76.61	76.95	908	102.94	103.41	838
25.42	25.85	862	50.39	50.76	855	76.95	77.29	851			
25.85	26.24		50.76	51.17	894	77.29	77.71	921			

Brøggerbreen in Sep., 1994: Density

Top (m)	Bottom (m)	Density (kg/m ³)
0.00	0.05	343
0.10	0.14	519
0.18	0.20	477
0.23	0.28	760
0.33	0.38	679
0.44	0.51	771
0.58	0.73	744
0.88	0.99	868
1.11	1.22	847
1.33	1.44	874
1.56	1.68	842
1.80	1.88	801
1.97	2.16	911
2.35	2.48	763
2.62	2.71	689
2.80	3.00	873
3.21	3.38	837
3.55	3.81	863
4.07	4.23	840
4.40	4.55	882
4.70	4.82	897
4.94	5.08	893
5.22	5.33	909
5.45	5.53	854
5.62	5.73	930
5.85	5.98	874
6.10	6.19	891
6.28	6.40	
6.53	6.64	
6.76	6.98	866
7.20	7.49	
7.78	7.77	913
7.97	8.12	887
8.28	8.40	896
8.53	8.62	841
8.72	8.88	911
9.05	9.20	913
9.36	9.46	763

Åsgårdfonna in Jun. - Jul., 1993: Density

Top (m)	Bottom (m)	Density (kg/m ³)
2.76	3.23	569
3.23	3.60	766
3.60	3.94	667
3.94	4.22	710
4.22	4.81	855
4.81	5.26	613
5.26	5.53	883
5.86	6.27	855
6.27	6.76	866
6.76	7.21	888
7.21	7.66	891
7.66	8.11	855
8.11	8.48	857
8.55	8.98	865
8.98	9.48	887
9.48	10.00	905
10.00	10.44	901
10.44	10.94	891
10.94	11.36	869
11.36	11.87	893
11.87	12.23	862
12.23	12.72	885
12.72	13.14	866
13.14	13.56	877
14.47	14.89	892
16.06	16.48	874
17.42	17.94	871
18.85	19.23	903
19.58	20.01	874
20.42	20.93	907
20.93	21.28	885
22.09	22.53	804
25.39	25.77	891
28.51	28.93	910
29.66	30.12	916
33.67	34.02	917
39.60	39.95	902
39.95	40.31	919
42.83	43.39	922
44.15	44.50	932
47.17	47.68	929
48.07	48.54	945

Snøwfjellafonna (Site A) in August, 1992: Density

Top (m)	Bottom (m)	Density (kg/m ³)	Top (m)	Bottom (m)	Density (kg/m ³)	Top (m)	Bottom (m)	Density (kg/m ³)	Top (m)	Bottom (m)	Density (kg/m ³)
1.53	1.92	488	22.76	23.02	785	46.14	46.58	900	69.29	69.75	903
1.92	2.27	554	23.02	23.43	812	46.58	46.99	903	69.75	70.26	903
2.27	2.72	556	23.43	23.93	865	46.99	47.55	898	70.26	70.69	899
2.72	2.78	452	23.93	24.38	863	47.55	48.09	886	70.69	71.12	884
2.78	3.30	532	24.38	24.74	858	48.09	48.48	895	71.12	71.18	884
3.30	3.83	449	24.74	25.05	882	48.48	48.63	876	71.18	71.38	891
3.83	4.01	466	25.05	25.33	882	48.63	48.95	885	71.38	71.72	892
4.01	4.47	547	25.33	25.74	897	48.95	49.38	878	71.72	71.97	888
4.47	4.65	489	25.74	25.98	843	49.38	50.00	898	71.97	72.51	906
4.65	5.26	623	25.98	26.25	873	50.00	50.44	875	72.51	73.03	906
5.26	5.40	442	26.25	26.59	726	50.44	50.57	877	73.03	73.16	900
5.40	5.58	540	26.59	26.69	718	50.57	50.79	903	73.16	73.56	900
5.58	5.90	517	26.69	27.11	787	50.79	50.97	903	73.56	73.65	880
5.90	6.42	547	27.11	27.43	732	50.97	51.43	881	73.65	74.05	883
6.42	7.03	634	27.43	27.90	805	51.43	51.77	879	74.05	74.48	886
7.03	7.56	667	27.90	28.35	829	51.77	51.89	879	74.48	75.21	908
7.56	7.94	837	28.35	28.62	882	51.89	52.30	896	75.21	75.79	893
7.94	8.51	751	28.62	29.10	874	52.30	52.67	898	75.79	76.39	893
8.51	9.00	611	29.10	29.74	868	52.67	53.06	899	76.39	76.82	898
9.00	9.57	664	29.74	30.21	824	53.06	53.45	869	76.82	77.48	903
9.57	9.81	541	30.21	30.67	841	53.45	53.85	906	77.48	77.93	903
9.81	9.93	526	30.67	31.05	855	53.85	54.16	903	77.93	78.37	901
9.93	10.17	820	31.05	31.48	861	54.16	54.24	896	78.37	78.74	907
10.17	10.52	776	31.48	31.81	899	54.24	54.69	886	78.74	79.22	907
10.52	11.21	858	31.81	32.24	862	54.69	55.13	898	79.22	79.68	909
11.21	11.61	630	32.24	32.70	886	55.13	55.55	875	79.68	80.26	909
11.61	11.97	880	32.70	33.19	885	55.55	55.98	903	80.26	80.60	901
11.97	12.11	893	33.19	33.54	898	55.98	56.37	903	80.60	81.18	901
12.11	12.31	623	33.54	33.82	859	56.37	56.83	909	81.18	81.71	902
12.31	12.42	560	33.82	34.07	852	56.83	57.19	895	81.71	82.19	902
12.42	12.55	603	34.07	34.55	872	57.19	57.62	893	82.19	82.64	887
12.55	12.64	676	34.55	34.75	870	57.62	58.03	905	82.64	83.06	880
12.64	13.04	859	34.75	35.07	898	58.03	58.47	898	83.06	83.25	893
13.04	13.48	683	35.07	35.28	909	58.47	58.95	898	83.25	83.56	893
13.48	13.89	650	35.28	35.68	881	58.95	59.10	898	83.56	83.92	896
13.89	14.10	851	35.68	36.20	901	59.10	59.33	899			
14.10	14.26	823	36.20	36.57	895	59.33	59.65	902			
14.26	14.60	850	36.57	37.09	859	59.65	60.02	900			
14.60	15.06	881	37.09	37.39	861	60.02	60.35	889			
15.06	15.51	711	37.39	37.96	884	60.35	60.88	885			
15.51	15.85	658	37.96	38.35	898	60.88	61.37	898			
15.85	16.29	736	38.35	38.50	898	61.37	62.02	909			
16.29	16.41	870	38.50	38.76	900	62.02	62.45	908			
16.41	16.87	779	38.76	39.41	882	62.45	62.86	908			
16.87	17.11	658	39.41	39.76	870	62.86	63.33	908			
17.11	17.36	779	39.76	40.20	907	63.33	63.79	908			
17.36	17.43	643	40.20	40.61	872	63.79	64.30	902			
17.43	17.65	772	40.61	41.08	895	64.30	64.50	904			
17.65	17.86	767	41.08	41.51	894	64.50	64.74	904			
17.86	18.04	853	41.51	41.87	899	64.74	65.25	907			
18.04	18.47	873	41.87	42.24	890	65.25	65.71	908			
18.47	18.82	900	42.24	42.53	875	65.71	65.84	908			
18.82	19.19	900	42.53	43.09	880	65.84	66.17	906			
19.19	19.65	891	43.09	43.45	877	66.17	66.36	906			
19.65	20.05	856	43.45	43.87	901	66.36	66.92	898			
20.05	20.49	789	43.87	44.25	888	66.92	67.36	903			
20.49	20.81	798	44.25	44.35	910	67.36	67.94	908			
20.81	21.18	866	44.35	44.67	893	67.94	68.26	908			
21.18	21.50	882	44.67	45.04	886	68.26	68.48	913			
21.50	21.88	899	45.04	45.30	906	68.48	68.75	913			
21.88	22.29	882	45.30	45.74	887	68.75	68.89	906			
22.29	22.76	844	45.74	46.14	905	68.89	69.29	906			

Table 5. Glacier temperature profiles.

Borehole temperature

Austfonna99
May 16-18, 1999

Depth (m)	temp (°C)
5.0	-2.9
10.0	-2.8
15.0	-3.1
20.0	-3.3
40.0	-3.8
80.0	-5.5
120.0	-6.9
160.0	-7.5
200.0	-7.4
240.0	-6.9
288.0	-6.0

Austfonna98
April 10-12, 1998

Depth (m)	temp (°C)
2.0	-1.98
4.0	-1.67
6.0	-1.28
8.0	-1.05
10.0	-0.97
12.0	-0.98
14.0	-0.99
16.0	-1.01
18.0	-1.02
20.0	-1.01
40.0	-1.25
60.0	-2.10
80.0	-3.02
100.0	-3.87
118.0	-4.46

Vestfonna95
June 1-2, 1995

Depth (m)	temp (°C)
4.0	-7.3
6.0	-6.0
2.0	-8.5
6.0	-6.0
10.0	-3.7
14.0	-2.7
18.0	-2.2
22.0	-2.0
26.0	-2.0
30.0	-2.0
35.0	-2.0
50.0	-2.2
70.0	-3.1
90.0	-4.0
110.0	-4.5
130.0	-4.9
150.0	-5.0
175.0	-4.8
200.0	-4.5

Åsgårdfonna93
July, 1993

Depth (m)	temp (°C)
6.5	-7.34
7.5	-7.65
9.5	-6.94
11.5	-6.24
13.5	-6.01
17.5	-5.65
22.5	-5.27
32.5	-5.01
42.5	-5.18
52.5	-5.55
62.5	-6.00
72.5	-6.38
82.5	-6.69
92.5	-6.90
102.5	-7.16
112.5	-7.30
122.5	-7.40
132.5	-7.45
142.5	-7.46
152.5	-7.42
162.5	-7.34
172.5	-7.25
182.0	-7.13

Snøwfjellafonna92
August, 1992

Depth (m)	temp (°C)
0.5	-0.75
2.0	-2.23
3.0	-2.31
4.0	-3.11
5.0	-3.35
8.0	-3.21
10.0	-2.79
12.5	-2.28
15.0	-1.79
20.0	-1.33
25.0	-1.25
30.0	-1.35
35.0	-1.51
45.0	-1.87
50.0	-2.04
55.0	-2.19
60.0	-2.33
65.0	-2.48
70.0	-2.62
75.0	-2.72
80.0	-2.85

Høghetta87
June, 1987

Depth (m)	temp (°C)
1.0	-8.5
2.0	-10.6
2.5	-12.7
4.3	-13.3
5.0	-13.1
7.0	-12.0
10.0	-11.0
15.0	-10.4
25.0	-10.3
35.0	-10.1
45.0	-10.0
55.0	-9.9
65.0	-9.7
75.0	-9.5
85.5	-9.4