FS Polarstern cruise ANT XXII/3
22 January to 6 April 2005 Cape Town, South Africa to Punta Arenas, Chile
Dissolved Ba and silicate data; Greenwich transect

Data proprietorship:
Barium: F. Dehairs, Vrije Universiteit Brussel, Belgium
Silicate: H.J.W. de Baar, Royal Netherlands Institute for Sea Research
Hydrography: E. Fahrbach, Alfred Wegener Institute, Bremerhaven, Germany

Station	Long. °E	Lat. °S	Seafloor, m	Depth, m	Salinity	Tpot °C	density	$Si(OH)_4$ µmol kg^{-1}	Ba nmol kg^{-1}
25	0.0306	-53.0081	2479	50	33.855	1.485	1.02709	29.1	76.4
25	0.0306	-53.0081	2479	99	33.873	0.723	1.02716	33.3	74.5
25	0.0306	-53.0081	2479	198	34.195	0.126	1.02745	60.4	76.2
25	0.0306	-53.0081	2479	395	34.614	1.659	1.02769	84.8	80.1
25	0.0306	-53.0081	2479	593	34.688	1.674	1.02775	84.0	87.1
25	0.0306	-53.0081	2479	990	34.722	1.330	1.02780	91.8	89.8
25	0.0306	-53.0081	2479	1678	34.697	0.602	1.02783	110.3	96.9
25	0.0306	-53.0081	2479	2372	34.685	0.300	1.02784	123.0	93.7
25	0.0306	-53.0081	2479	2469	34.684	0.297	1.02784	123.7	93.7
27	0.0052	-53.9976	2470	22	33.808	1.142	1.02708		78.0
27	0.0052	-53.9976	2470	48	33.808	1.132	1.02708		74.1
27	0.0052	-53.9976	2470	100	33.840	0.150	1.02716		75.7
27	0.0052	-53.9976	2470	198	34.319	0.435	1.02753		76.5
27	0.0052	-53.9976	2470	397	34.641	1.710	1.02771		80.0
27	0.0052	-53.9976	2470	692	34.703	1.504	1.02777		84.7
27	0.0052	-53.9976	2470	989	34.711	1.185	1.02780		88.9
27	0.0052	-53.9976	2470	1481	34.697	0.684	1.02782		91.3
27	0.0052	-53.9976	2470	1972	34.685	0.341	1.02783		92.0
27	0.0052	-53.9976	2470	2459	34.681	0.229	1.02784		94.0
29	0.0122	-55.0022	1681	21	33.618	0.932	1.02694		75.0
29	0.0122	-55.0022	1681	50	33.622	0.919	1.02694		75.9
29	0.0122	-55.0022	1681	99	33.954	-0.520	1.02729		75.3
29	0.0122	-55.0022	1681	200	34.350	0.565	1.02755		79.0
29	0.0122	-55.0022	1681	397	34.643	1.584	1.02772		83.7
29	0.0122	-55.0022	1681	692	34.704	1.522	1.02777		86.1
29	0.0122	-55.0022	1681	996	34.706	1.144	1.02780		92.7
29	0.0122	-55.0022	1681	1482	34.695	0.638	1.02782		95.4
29	0.0122	-55.0022	1681	1666	34.689	0.466	1.02783		96.2
30	0.0069	-55.5012	3735	20	33.588	0.499	1.02694	46.7	77.6
30	0.0069	-55.5012	3735	50	33.618	0.396	1.02697	46.7	77.1
30	0.0069	-55.5012	3735	98	34.165	-0.246	1.02744	62.0	78.4
30	0.0069	-55.5012	3735	246	34.574	1.455	1.02767	81.0	80.1
30	0.0069	-55.5012	3735	493	34.678	1.455	1.02776	89.6	86.6
30	0.0069	-55.5012	3735	986	34.708	1.024	1.02781	102.9	91.9
30	0.0069	-55.5012	3735	1483	34.692	0.566	1.02783	111.7	91.7
30	0.0069	-55.5012	3735	1972	34.683	0.250	1.02784	118.8	93.9
30	0.0069	-55.5012	3735	2463	34.677	0.079	1.02784	124.0	93.8
30	0.0069	-55.5012	3735	2952	34.673	-0.031	1.02784	125.5	94.4
30	0.0069	-55.5012	3735	3442	34.668	-0.149	1.02785	126.7	94.5
30	0.0069	-55.5012	3735	3680	34.666	-0.196	1.02785	125.9	93.8

Station	Long. °E	Lat. °S	Seafloor, m	Depth, m	Salinity	Tpot °C	density	$Si(OH)_4$ µmol kg^{-1}	Ba nmol kg^{-1}
33	5.00E-04	-56.0022	3697	19	33.718	0.341	1.02705	55.5	79.6
33	5.00E-04	-56.0022	3697	74	33.930	-0.298	1.02726	61.3	78.7
33	5.00E-04	-56.0022	3697	148	34.294	-0.936	1.02758	71.1	79.6
33	5.00E-04	-56.0022	3697	346	34.649	0.530	1.02779	99.8	88.6
33	5.00E-04	-56.0022	3697	642	34.682	0.506	1.02782	111.3	88.4
33	5.00E-04	-56.0022	3697	989	34.685	0.357	1.02783	119.2	91.1
33	5.00E-04	-56.0022	3697	1482	34.677	0.118	1.02784	124.0	95.0
33	5.00E-04	-56.0022	3697	1970	34.669	-0.113	1.02785	127.7	92.3
33	5.00E-04	-56.0022	3697	2955	34.662	-0.317	1.02785	128.8	93.2
33	5.00E-04	-56.0022	3697	3586	34.656	-0.491	1.02785	125.7	92.5
33	5.00E-04	-56.0022	3697	3682	34.657	-0.498	1.02785	125.6	92.9
34	0.0026	-56.4969	4007	20	33.824	0.231	1.02714	61.9	80.5
34	0.0026	-56.4969	4007	51	33.842	0.113	1.02717	62.2	80.7
34	0.0026	-56.4969	4007	99	34.256	-1.238	1.02756	70.4	84.1
34	0.0026	-56.4969	4007	200	34.591	0.380	1.02775	91.5	85.9
34	0.0026	-56.4969	4007	495	34.681	0.544	1.02782	109.3	89.2
34	0.0026	-56.4969	4007	792	34.685	0.415	1.02783	116.6	90.6
34	0.0026	-56.4969	4007	990	34.684	0.325	1.02783	120.1	92.3
34	0.0026	-56.4969	4007	1975	34.669	-0.128	1.02785	125.7	93.2
34	0.0026	-56.4969	4007	2462	34.663	-0.302	1.02785	126.4	95.8
34	0.0026	-56.4969	4007	2952	34.659	-0.426	1.02785	126.4	95.4
34	0.0026	-56.4969	4007	3440	34.656	-0.500	1.02785	125.8	94.5
34	0.0026	-56.4969	4007	3992	34.654	-0.574	1.02785	124.0	92.8
35	0.027	-56.9615	3698	20	33.857	0.335	1.02717	62.6	79.9
35	0.027	-56.9615	3698	100	34.329	-1.331	1.02762	71.1	82.7
35	0.027	-56.9615	3698	199	34.560	-0.059	1.02775	91.4	83.9
35	0.027	-56.9615	3698	495	34.684	0.536	1.02782	109.5	89.3
35	0.027	-56.9615	3698	989	34.683	0.297	1.02783	119.4	95.0
35	0.027	-56.9615	3698	1483	34.674	0.045	1.02784	123.7	92.0
35	0.027	-56.9615	3698	1973	34.667	-0.168	1.02785	125.4	89.5
35	0.027	-56.9615	3698	2463	34.661	-0.355	1.02785	126.3	94.6
35	0.027	-56.9615	3698	2952	34.658	-0.453	1.02785	126.3	93.3
35	0.027	-56.9615	3698	3635	34.654	-0.557	1.02785	124.5	93.2
36	0.0041	-57.4991	3921	20	33.940	0.135	0.99985	65.6	84.0
36	0.0041	-57.4991	3921	100	34.350	-1.522	1.02764	73.0	82.7
36	0.0041	-57.4991	3921	200	34.588	0.103	1.02777	94.5	84.3
36	0.0041	-57.4991	3921	494	34.683	0.484	1.02782	111.7	93.0
36	0.0041	-57.4991	3921	989	34.682	0.260	1.02784	119.9	91.3
36	0.0041	-57.4991	3921	1972	34.666	-0.205	1.02785	124.0	95.2
36	0.0041	-57.4991	3921	2951	34.658	-0.464	1.02785	122.6	97.7
36	0.0041	-57.4991	3921	3537	34.654	-0.577	1.02786	120.2	93.0
36	0.0041	-57.4991	3921	3905	34.652	-0.627	1.02786	119.6	92.2
37	-1.00E-04	-57.9948	4496	20	33.975	-0.002	1.02728	59.8	81.7
37	-1.00E-04	-57.9948	4496	98	34.273	-1.104	1.02757	67.0	83.3
37	-1.00E-04	-57.9948	4496	197	34.561	-0.110	1.02776	86.8	84.6
37	-1.00E-04	-57.9948	4496	396	34.676	0.487	1.02782	104.0	90.0
37	-1.00E-04	-57.9948	4496	643	34.683	0.383	1.02783	112.1	91.7
37	-1.00E-04	-57.9948	4496	988	34.682	0.246	1.02784	118.4	92.6
37	-1.00E-04	-57.9948	4496	1483	34.673	-0.006	1.02784	119.6	94.7
37	-1.00E-04	-57.9948	4496	1973	34.667	-0.194	1.02785	120.1	90.2
37	-1.00E-04	-57.9948	4496	2952	34.659	-0.455	1.02785	120.2	93.0
37	-1.00E-04	-57.9948	4496	3926	34.652	-0.620	1.02786	116.8	92.5
37	-1.00E-04	-57.9948	4496	4169	34.651	-0.646	1.02786	117.2	93.9
37	-1.00E-04	-57.9948	4496	4481	34.649	-0.696	1.02786	116.9	96.1

Station	Long. °E	Lat. °S	Seafloor, m	Depth, m	Salinity	Tpot °C	density	$Si(OH)_4$ µmol kg^{-1}	Ba nmol kg^{-1}
38	-0.0078	-58.498	4182	20	34.101	-0.061	1.02738	66.5	84.0
38	-0.0078	-58.498	4182	51	34.159	-0.646	1.02746	68.2	84.1
38	-0.0078	-58.498	4182	150	34.448	-1.078	1.02771	83.4	83.7
38	-0.0078	-58.498	4182	297	34.668	0.359	1.02782	110.4	88.9
38	-0.0078	-58.498	4182	494	34.682	0.388	1.02783	116.9	89.4
38	-0.0078	-58.498	4182	742	34.683	0.280	1.02783	121.2	93.5
38	-0.0078	-58.498	4182	989	34.678	0.151	1.02784	122.6	93.6
38	-0.0078	-58.498	4182	1481	34.671	-0.069	1.02784	127.3	94.4
38	-0.0078	-58.498	4182	1972	34.665	-0.249	1.02785	125.2	93.1
38	-0.0078	-58.498	4182	2463	34.661	-0.381	1.02785	125.5	92.9
38	-0.0078	-58.498	4182	2950	34.657	-0.492	1.02785	124.3	93.0
38	-0.0078	-58.498	4182	3439	34.654	-0.595	1.02786	122.5	93.9
38	-0.0078	-58.498	4182	4124	34.649	-0.697	1.02786	119.5	94.6
38	-0.0078	-58.498	4182	4167	34.649	-0.698	1.02786	120.1	93.9
39	0.1169	-59.0975	4641	19	34.071	0.012	1.02736	65.5	81.8
39	0.1169	-59.0975	4641	101	34.308	-1.569	1.02761	71.9	84.8
39	0.1169	-59.0975	4641	200	34.582	-0.091	1.02777	98.2	87.2
39	0.1169	-59.0975	4641	496	34.683	0.416	1.02783	116.7	94.6
39	0.1169	-59.0975	4641	988	34.679	0.170	1.02784	125.5	93.1
39	0.1169	-59.0975	4641	1971	34.665	-0.260	1.02785		93.8
39	0.1169	-59.0975	4641	2952	34.658	-0.500	1.02785	123.6	95.3
39	0.1169	-59.0975	4641	3928	34.651	-0.672	1.02786	120.4	96.3
39	0.1169	-59.0975	4641	4413	34.649	-0.724	1.02786	119.0	94.4
39	0.1169	-59.0975	4641	4629	34.647	-0.760	1.02786	118.7	93.1
40	-0.0084	-59.5006	4625	50	34.058	0.105	1.02734	59.5	81.0
40	-0.0084	-59.5006	4625	99	34.354	-1.750	1.02765	72.9	88.8
40	-0.0084	-59.5006	4625	148	34.542	-0.527	1.02776	94.5	87.6
40	-0.0084	-59.5006	4625	397	34.686	0.412	1.02783	123.0	92.1
40	-0.0084	-59.5006	4625	593	34.684	0.286	1.02784	127.5	92.3
40	-0.0084	-59.5006	4625	989	34.676	0.069	1.02784	129.7	94.1
40	-0.0084	-59.5006	4625	1480	34.669	-0.140	1.02785	128.5	96.0
40	-0.0084	-59.5006	4625	1972	34.663	-0.313	1.02785	127.6	93.7
40	-0.0084	-59.5006	4625	2949	34.657	-0.524	1.02786	126.7	100.7
40	-0.0084	-59.5006	4625	3925	34.649	-0.731	1.02786	120.8	95.8
40	-0.0084	-59.5006	4625	4169	34.647	-0.761	1.02786	120.1	94.5
40	-0.0084	-59.5006	4625	4563	34.647	-0.786	1.02786	120.4	96.1
41	-0.0058	-59.9998	5331	19	34.112	0.317	1.02737	52.6	75.6
41	-0.0058	-59.9998	5331	52	34.121	0.177	1.02739	53.8	78.5
41	-0.0058	-59.9998	5331	148	34.679	0.546	1.02782	111.3	87.5
41	-0.0058	-59.9998	5331	347	34.687	0.417	1.02783	121.0	91.2
41	-0.0058	-59.9998	5331	643	34.682	0.236	1.02784	124.8	94.3
41	-0.0058	-59.9998	5331	988	34.676	0.063	1.02784	125.0	95.1
41	-0.0058	-59.9998	5331	1481	34.669	-0.141	1.02785	125.1	96.7
41	-0.0058	-59.9998	5331	1973	34.664	-0.296	1.02785	124.7	95.4
41	-0.0058	-59.9998	5331	2464	34.661	-0.411	1.02785	124.0	95.1
41	-0.0058	-59.9998	5331	2948	34.658	-0.513	1.02786	123.3	95.7
41	-0.0058	-59.9998	5331	3438	34.655	-0.605	1.02786	123.8	95.9
41	-0.0058	-59.9998	5331	3924	34.652	-0.707	1.02786	121.3	98.1
41	-0.0058	-59.9998	5331	4413	34.648	-0.786	1.02786	118.8	96.7
41	-0.0058	-59.9998	5331	4983	34.646	-0.811	1.02786	121.4	97.7
41	-0.0058	-59.9998	5331	5316	34.646	-0.811	1.02786	121.0	98.4

Station	Long. °E	Lat. °S	Seafloor, m	Depth, m	Salinity	Tpot °C	density	$Si(OH)_4$ µmol kg^{-1}	Ba nmol kg^{-1}
42	-5.00E-04	-60.4992	5336	20	34.152	0.285	1.02741	51.6	81.6
42	-5.00E-04	-60.4992	5336	49	34.153	0.213	1.02741	52.1	86.1
42	-5.00E-04	-60.4992	5336	80	34.341	-1.438	1.02763	69.7	85.3
42	-5.00E-04	-60.4992	5336	99	34.456	-0.907	1.02771	85.9	86.7
42	-5.00E-04	-60.4992	5336	148	34.663	0.438	1.02781	111.6	91.1
42	-5.00E-04	-60.4992	5336	347	34.687	0.415	1.02783	125.0	90.8
42	-5.00E-04	-60.4992	5336	644	34.682	0.229	1.02784	129.5	93.8
42	-5.00E-04	-60.4992	5336	988	34.676	0.062	1.02784	130.6	94.8
42	-5.00E-04	-60.4992	5336	1972	34.664	-0.303	1.02785	129.2	96.3
42	-5.00E-04	-60.4992	5336	2463	34.661	-0.419	1.02785	128.2	95.6
42	-5.00E-04	-60.4992	5336	2950	34.658	-0.515	1.02786	127.8	93.8
42	-5.00E-04	-60.4992	5336	3439	34.655	-0.606	1.02786	127.6	95.3
42	-5.00E-04	-60.4992	5336	3925	34.651	-0.708	1.02786	125.4	93.4
42	-5.00E-04	-60.4992	5336	4409	34.648	-0.788	1.02786	121.6	95.4
42	-5.00E-04	-60.4992	5336	4897	34.646	-0.811	1.02786	124.7	94.4
42	-5.00E-04	-60.4992	5336	5327	34.645	-0.812	1.02786	126.1	94.2
43	0.0043	-60.9983	5356	20	34.147	0.841	1.02737	44.3	77.1
43	0.0043	-60.9983	5356	100	34.413	-1.120	1.02768	78.8	81.8
43	0.0043	-60.9983	5356	149	34.649	0.330	1.02780	108.5	88.3
43	0.0043	-60.9983	5356	198	34.685	0.528	1.02782	114.4	95.6
43	0.0043	-60.9983	5356	347	34.688	0.422	1.02783	121.0	92.3
43	0.0043	-60.9983	5356	643	34.682	0.251	1.02784	124.0	92.9
43	0.0043	-60.9983	5356	991	34.676	0.081	1.02784	124.8	95.3
43	0.0043	-60.9983	5356	1482	34.669	-0.132	1.02785	124.9	92.9
43	0.0043	-60.9983	5356	1972	34.664	-0.293	1.02785	124.4	95.5
43	0.0043	-60.9983	5356	2462	34.661	-0.406	1.02785	123.7	94.1
43	0.0043	-60.9983	5356	2949	34.659	-0.497	1.02786	123.5	94.6
43	0.0043	-60.9983	5356	3438	34.656	-0.591	1.02786	123.4	97.7
43	0.0043	-60.9983	5356	3925	34.652	-0.693	1.02786	122.2	95.7
43	0.0043	-60.9983	5356	4406	34.648	-0.776	1.02786	116.9	95.2
43	0.0043	-60.9983	5356	5001	34.646	-0.811	1.02786	119.6	96.8
43	0.0043	-60.9983	5356	5347	34.645	-0.812	1.02786	120.1	96.6
44	-6.00E-04	-61.4987	5358	20	34.133	0.996	1.02735	44.5	80.4
44	-6.00E-04	-61.4987	5358	100	34.387	-1.284	1.02767	82.4	86.7
44	-6.00E-04	-61.4987	5358	199	34.687	0.508	1.02783	119.5	92.4
44	-6.00E-04	-61.4987	5358	347	34.687	0.404	1.02783	123.2	97.2
44	-6.00E-04	-61.4987	5358	643	34.682	0.227	1.02784	127.5	96.0
44	-6.00E-04	-61.4987	5358	988	34.676	0.058	1.02784	128.2	100.0
44	-6.00E-04	-61.4987	5358	1481	34.668	-0.143	1.02785	127.5	96.2
44	-6.00E-04	-61.4987	5358	1973	34.664	-0.304	1.02785	126.7	104.4
44	-6.00E-04	-61.4987	5358	2462	34.661	-0.418	1.02785	125.6	106.7
44	-6.00E-04	-61.4987	5358	2951	34.658	-0.516	1.02786	125.0	106.6
44	-6.00E-04	-61.4987	5358	3439	34.656	-0.606	1.02786	125.3	98.3
44	-6.00E-04	-61.4987	5358	3924	34.651	-0.716	1.02786	121.9	103.2
44	-6.00E-04	-61.4987	5358	4411	34.648	-0.790	1.02786	119.4	100.6
44	-6.00E-04	-61.4987	5358	4893	34.646	-0.812	1.02786	122.6	103.9
44	-6.00E-04	-61.4987	5358	5346	34.645	-0.812	1.02786	122.6	100.1

Station	Long. °E	Lat. °S	Seafloor, m	Depth, m	Salinity	Tpot °C	density	$Si(OH)_4$ µmol kg^{-1}	Ba nmol kg^{-1}
45	0.0032	-61.9975	5339	50	34.160	0.178	1.02742	51.2	80.9
45	0.0032	-61.9975	5339	99	34.392	-1.252	1.02767	82.1	91.3
45	0.0032	-61.9975	5339	198	34.687	0.512	1.02782	116.6	89.8
45	0.0032	-61.9975	5339	296	34.687	0.442	1.02783	119.2	95.5
45	0.0032	-61.9975	5339	643	34.681	0.221	1.02784	124.4	93.5
45	0.0032	-61.9975	5339	987	34.675	0.049	1.02784	124.9	96.1
45	0.0032	-61.9975	5339	1480	34.668	-0.150	1.02785	124.6	92.2
45	0.0032	-61.9975	5339	1972	34.664	-0.304	1.02785	123.6	96.0
45	0.0032	-61.9975	5339	2464	34.661	-0.416	1.02785	122.8	95.0
45	0.0032	-61.9975	5339	2951	34.658	-0.511	1.02786	121.6	95.4
45	0.0032	-61.9975	5339	3439	34.656	-0.595	1.02786	122.5	95.7
45	0.0032	-61.9975	5339	3925	34.652	-0.690	1.02786	120.9	96.5
45	0.0032	-61.9975	5339	4412	34.648	-0.777	1.02786	117.3	103.1
45	0.0032	-61.9975	5339	4897	34.646	-0.807	1.02786	118.0	93.6
45	0.0032	-61.9975	5339	5235	34.645	-0.811	1.02786	119.8	97.6
46	-0.0088	-62.4974	5318	20	34.025	1.375	1.02724	42.6	74.4
46	-0.0088	-62.4974	5318	50	34.207	-0.516	1.02749	64.9	86.9
46	-0.0088	-62.4974	5318	100	34.384	-1.270	1.02766	76.7	86.0
46	-0.0088	-62.4974	5318	149	34.622	0.440	1.02778	97.0	87.8
46	-0.0088	-62.4974	5318	297	34.691	0.613	1.02782	114.3	91.3
46	-0.0088	-62.4974	5318	643	34.686	0.349	1.02783	123.8	94.0
46	-0.0088	-62.4974	5318	988	34.679	0.155	1.02784	126.6	93.6
46	-0.0088	-62.4974	5318	1480	34.671	-0.070	1.02784	127.2	96.5
46	-0.0088	-62.4974	5318	1972	34.666	-0.242	1.02785	127.4	96.0
46	-0.0088	-62.4974	5318	2461	34.662	-0.379	1.02785	126.3	94.0
46	-0.0088	-62.4974	5318	2950	34.659	-0.480	1.02785	125.3	96.9
46	-0.0088	-62.4974	5318	3438	34.657	-0.569	1.02786	125.5	92.4
46	-0.0088	-62.4974	5318	3925	34.653	-0.662	1.02786	125.6	96.2
46	-0.0088	-62.4974	5318	4410	34.649	-0.762	1.02786	120.6	104.9
46	-0.0088	-62.4974	5318	4895	34.647	-0.805	1.02786	120.8	97.7
46	-0.0088	-62.4974	5318	5308	34.646	-0.812	1.02786	122.5	95.1
47	0.0039	-63.0008	5282	20	34.054	1.046	1.02728	39.9	78.5
47	0.0039	-63.0008	5282	50	34.200	-0.428	1.02748	57.6	80.3
47	0.0039	-63.0008	5282	99	34.373	-1.417	1.02766	71.3	84.4
47	0.0039	-63.0008	5282	149	34.526	-0.250	1.02774	88.1	86.7
47	0.0039	-63.0008	5282	198	34.636	0.322	1.02779	103.7	90.2
47	0.0039	-63.0008	5282	297	34.683	0.552	1.02782	110.7	90.0
47	0.0039	-63.0008	5282	495	34.688	0.456	1.02783	117.6	91.0
47	0.0039	-63.0008	5282	742	34.685	0.330	1.02783	120.4	92.9
47	0.0039	-63.0008	5282	1481	34.673	-0.020	1.02784	123.3	96.5
47	0.0039	-63.0008	5282	1971	34.667	-0.206	1.02785	123.5	97.0
47	0.0039	-63.0008	5282	2463	34.663	-0.334	1.02785	122.7	92.9
47	0.0039	-63.0008	5282	2951	34.660	-0.444	1.02785	121.1	93.0
47	0.0039	-63.0008	5282	3438	34.657	-0.535	1.02786	121.8	97.6
47	0.0039	-63.0008	5282	3920	34.655	-0.617	1.02786	122.7	100.0
47	0.0039	-63.0008	5282	4409	34.651	-0.720	1.02786	118.9	94.0
47	0.0039	-63.0008	5282	4894	34.647	-0.797	1.02786	117.3	97.6
47	0.0039	-63.0008	5282	5274	34.646	-0.810	1.02786	118.5	99.7

Station	Long. °E	Lat. °S	Seafloor, m	Depth, m	Salinity	Tpot °C	density	$Si(OH)_4$ µmol kg^{-1}	Ba nmol kg^{-1}
48	-0.0015	-63.4957	5213	51	34.083	-0.231	1.02738	56.7	84.8
48	-0.0015	-63.4957	5213	100	34.350	-1.266	1.02764	74.3	83.2
48	-0.0015	-63.4957	5213	198	34.651	0.377	1.02780	106.6	90.8
48	-0.0015	-63.4957	5213	396	34.687	0.490	1.02783	116.0	89.9
48	-0.0015	-63.4957	5213	643	34.687	0.372	1.02783	125.3	91.7
48	-0.0015	-63.4957	5213	989	34.681	0.189	1.02784	124.5	92.2
48	-0.0015	-63.4957	5213	1480	34.673	-0.025	1.02784	125.7	95.3
48	-0.0015	-63.4957	5213	1972	34.667	-0.200	1.02785	124.8	92.3
48	-0.0015	-63.4957	5213	2461	34.663	-0.335	1.02785	124.2	95.0
48	-0.0015	-63.4957	5213	2950	34.660	-0.445	1.02785	123.1	92.7
48	-0.0015	-63.4957	5213	3438	34.658	-0.523	1.02786	123.3	96.7
48	-0.0015	-63.4957	5213	3925	34.655	-0.607	1.02786	125.6	94.7
48	-0.0015	-63.4957	5213	4411	34.651	-0.706	1.02786	122.0	95.9
48	-0.0015	-63.4957	5213	4895	34.647	-0.800	1.02786	120.7	93.8
48	-0.0015	-63.4957	5213	5109	34.646	-0.810	1.02786	122.3	96.7
49	-0.0037	-63.9213	5180	48	34.284	-1.444	1.02759	64.0	86.8
49	-0.0037	-63.9213	5180	99	34.440	-0.929	1.02770	78.5	82.9
49	-0.0037	-63.9213	5180	198	34.682	0.962	1.02779	97.9	87.3
49	-0.0037	-63.9213	5180	396	34.690	0.631	1.02782	110.7	89.7
49	-0.0037	-63.9213	5180	646	34.690	0.454	1.02783	118.6	91.4
49	-0.0037	-63.9213	5180	987	34.683	0.258	1.02784	124.2	92.8
49	-0.0037	-63.9213	5180	1480	34.675	0.021	1.02784	125.7	92.4
49	-0.0037	-63.9213	5180	1971	34.668	-0.166	1.02785	125.9	92.5
49	-0.0037	-63.9213	5180	2462	34.664	-0.314	1.02785	125.1	92.3
49	-0.0037	-63.9213	5180	2951	34.660	-0.420	1.02785	124.1	92.5
49	-0.0037	-63.9213	5180	3438	34.658	-0.510	1.02786	124.3	93.1
49	-0.0037	-63.9213	5180	3924	34.655	-0.595	1.02786	125.4	93.2
49	-0.0037	-63.9213	5180	4409	34.652	-0.688	1.02786	124.5	97.3
49	-0.0037	-63.9213	5180	4895	34.647	-0.790	1.02786	121.2	95.8
49	-0.0037	-63.9213	5180	5170	34.646	-0.810	1.02786	122.8	97.0
50	-1.00E-03	-64.4981	4629	20	34.092	1.095	1.02731	51.8	79.9
50	-1.00E-03	-64.4981	4629	50	34.408	-1.031	1.02767	75.9	83.9
50	-1.00E-03	-64.4981	4629	100	34.618	0.489	1.02777	89.5	81.8
50	-1.00E-03	-64.4981	4629	198	34.693	1.044	1.02780	94.6	84.0
50	-1.00E-03	-64.4981	4629	395	34.689	0.734	1.02781	99.5	87.5
50	-1.00E-03	-64.4981	4629	643	34.689	0.568	1.02782	106.3	89.7
50	-1.00E-03	-64.4981	4629	988	34.690	0.428	1.02783	114.6	92.1
50	-1.00E-03	-64.4981	4629	1479	34.680	0.156	1.02784	121.2	91.2
50	-1.00E-03	-64.4981	4629	1971	34.672	-0.075	1.02785	123.2	91.7
50	-1.00E-03	-64.4981	4629	2461	34.664	-0.261	1.02785	120.3	94.0
50	-1.00E-03	-64.4981	4629	2951	34.660	-0.382	1.02785	119.6	93.7
50	-1.00E-03	-64.4981	4629	3438	34.657	-0.471	1.02785	119.9	93.5
50	-1.00E-03	-64.4981	4629	3924	34.655	-0.540	1.02785	122.0	94.8
50	-1.00E-03	-64.4981	4629	4166	34.655	-0.568	1.02786	124.1	95.1
50	-1.00E-03	-64.4981	4629	4621	34.654	-0.605	1.02786	127.2	95.1

Station	Long. °E	Lat. °S	Seafloor, m	Depth, m	Salinity	Tpot °C	density	$Si(OH)_4$ µmol kg^{-1}	Ba nmol kg^{-1}
51	-0.0018	-64.9965	3672	20	34.019	1.116	1.02725	45.2	81.3
51	-0.0018	-64.9965	3672	49	34.401	-1.204	1.02768	76.8	85.3
51	-0.0018	-64.9965	3672	99	34.615	0.577	1.02776	90.4	83.7
51	-0.0018	-64.9965	3672	198	34.666	0.690	1.02780	94.3	84.6
51	-0.0018	-64.9965	3672	396	34.704	0.874	1.02782	105.4	88.1
51	-0.0018	-64.9965	3672	643	34.696	0.622	1.02782	111.0	89.9
51	-0.0018	-64.9965	3672	791	34.692	0.518	1.02783	113.6	93.8
51	-0.0018	-64.9965	3672	988	34.689	0.408	1.02783	118.3	93.1
51	-0.0018	-64.9965	3672	1233	34.683	0.257	1.02784	121.4	93.3
51	-0.0018	-64.9965	3672	1480	34.678	0.133	1.02784	123.7	93.6
51	-0.0018	-64.9965	3672	1971	34.670	-0.087	1.02784	125.2	91.9
51	-0.0018	-64.9965	3672	2460	34.664	-0.258	1.02785	124.1	94.7
51	-0.0018	-64.9965	3672	2950	34.661	-0.373	1.02785	123.8	92.2
51	-0.0018	-64.9965	3672	3438	34.658	-0.464	1.02785	125.1	96.5
51	-0.0018	-64.9965	3672	3664	34.657	-0.509	1.02785	128.0	93.9
52	-0.0077	-65.5842	3754	19	34.020	1.180	1.02725	57.5	84.0
52	-0.0077	-65.5842	3754	50	34.436	-1.330	1.02771	78.0	86.9
52	-0.0077	-65.5842	3754	100	34.562	-0.522	1.02778	83.5	83.0
52	-0.0077	-65.5842	3754	198	34.684	0.751	1.02781	98.3	86.2
52	-0.0077	-65.5842	3754	396	34.694	0.693	1.02782	106.7	88.7
52	-0.0077	-65.5842	3754	643	34.691	0.510	1.02783	112.5	90.6
52	-0.0077	-65.5842	3754	791	34.690	0.451	1.02783	115.8	90.9
52	-0.0077	-65.5842	3754	988	34.686	0.338	1.02783	119.3	92.2
52	-0.0077	-65.5842	3754	1233	34.681	0.202	1.02784	121.8	96.8
52	-0.0077	-65.5842	3754	1481	34.677	0.087	1.02784	123.6	92.0
52	-0.0077	-65.5842	3754	1971	34.669	-0.110	1.02785	122.8	93.4
52	-0.0077	-65.5842	3754	2461	34.665	-0.262	1.02785	123.7	91.8
52	-0.0077	-65.5842	3754	2950	34.661	-0.381	1.02785	122.8	92.5
52	-0.0077	-65.5842	3754	3438	34.658	-0.471	1.02785	122.9	95.0
52	-0.0077	-65.5842	3754	3746	34.655	-0.534	1.02785	124.4	93.9
53	0.1291	-65.9863	3574	19	34.030	1.217	1.02725	62.8	78.7
53	0.1291	-65.9863	3574	49	34.425	-1.542	1.02771	77.7	87.4
53	0.1291	-65.9863	3574	99	34.499	-1.643	1.02777	80.3	82.2
53	0.1291	-65.9863	3574	197	34.628	-0.179	1.02782	96.9	85.5
53	0.1291	-65.9863	3574	396	34.682	0.431	1.02783	110.7	88.4
53	0.1291	-65.9863	3574	644	34.688	0.425	1.02783	118.1	91.6
53	0.1291	-65.9863	3574	792	34.686	0.359	1.02783	120.5	90.2
53	0.1291	-65.9863	3574	988	34.683	0.257	1.02784	122.9	90.9
53	0.1291	-65.9863	3574	1234	34.679	0.146	1.02784	124.1	93.6
53	0.1291	-65.9863	3574	1480	34.675	0.038	1.02784	125.3	95.1
53	0.1291	-65.9863	3574	1970	34.668	-0.150	1.02785	125.7	92.6
53	0.1291	-65.9863	3574	2461	34.663	-0.289	1.02785	125.1	93.2
53	0.1291	-65.9863	3574	2949	34.660	-0.398	1.02785	124.1	93.2
53	0.1291	-65.9863	3574	3461	34.657	-0.486	1.02785	125.5	96.5
53	0.1291	-65.9863	3574	3561	34.656	-0.498	1.02785	126.8	94.0

Station	Long. °E	Lat. °S	Seafloor, m	Depth, m	Salinity	Tpot °C	density	$Si(OH)_4$ µmol kg^{-1}	Ba nmol kg^{-1}
55	-0.0329	-66.4784	4467	50	34.445	-1.422	1.02772	76.9	88.5
55	-0.0329	-66.4784	4467	100	34.512	-1.372	1.02777	80.2	84.5
55	-0.0329	-66.4784	4467	199	34.653	0.400	1.02780	94.9	87.7
55	-0.0329	-66.4784	4467	397	34.686	0.611	1.02782	103.6	88.9
55	-0.0329	-66.4784	4467	643	34.684	0.484	1.02782	108.1	88.0
55	-0.0329	-66.4784	4467	988	34.689	0.400	1.02783	118.3	92.2
55	-0.0329	-66.4784	4467	1481	34.679	0.132	1.02784	123.2	92.0
55	-0.0329	-66.4784	4467	1971	34.671	-0.081	1.02784	123.6	92.4
55	-0.0329	-66.4784	4467	2461	34.665	-0.247	1.02785	123.6	93.6
55	-0.0329	-66.4784	4467	2949	34.661	-0.369	1.02785	122.4	92.4
55	-0.0329	-66.4784	4467	3437	34.658	-0.457	1.02785	122.8	93.3
55	-0.0329	-66.4784	4467	3924	34.656	-0.533	1.02785	125.7	94.0
55	-0.0329	-66.4784	4467	4361	34.654	-0.580	1.02786	127.2	95.2
55	-0.0329	-66.4784	4467	4457	34.654	-0.597	1.02786	129.2	97.4
56	-0.0043	-66.998	4672	20	33.976	1.071	1.02722	60.9	82.3
56	-0.0043	-66.998	4672	48	34.421	-1.258	1.02769	78.1	81.8
56	-0.0043	-66.998	4672	98	34.594	0.254	1.02776	85.9	83.4
56	-0.0043	-66.998	4672	197	34.690	1.013	1.02780	93.0	84.6
56	-0.0043	-66.998	4672	395	34.700	0.855	1.02781	99.9	94.2
56	-0.0043	-66.998	4672	593	34.700	0.712	1.02782	107.6	94.9
56	-0.0043	-66.998	4672	995	34.690	0.419	1.02783	116.1	97.0
56	-0.0043	-66.998	4672	1479	34.680	0.156	1.02784	122.4	92.8
56	-0.0043	-66.998	4672	1971	34.671	-0.065	1.02784	122.2	93.4
56	-0.0043	-66.998	4672	2460	34.666	-0.241	1.02785	122.6	92.5
56	-0.0043	-66.998	4672	2949	34.662	-0.364	1.02785	121.3	94.3
56	-0.0043	-66.998	4672	3439	34.659	-0.459	1.02785	120.6	94.2
56	-0.0043	-66.998	4672	3686	34.657	-0.498	1.02785	121.0	93.7
56	-0.0043	-66.998	4672	4165	34.655	-0.570	1.02786	124.1	96.0
56	-0.0043	-66.998	4672	4408	34.654	-0.601	1.02786	125.6	95.2
56	-0.0043	-66.998	4672	4664	34.650	-0.698	1.02786	132.3	99.9
59	-0.0017	-67.4983	4594	49	34.408	-1.455	1.02769	76.8	86.5
59	-0.0017	-67.4983	4594	99	34.494	-1.223	1.02775	81.2	84.3
59	-0.0017	-67.4983	4594	198	34.679	0.757	1.02780	96.8	86.7
59	-0.0017	-67.4983	4594	396	34.699	0.761	1.02782	105.9	89.6
59	-0.0017	-67.4983	4594	592	34.696	0.591	1.02783	112.3	91.5
59	-0.0017	-67.4983	4594	988	34.686	0.337	1.02783	120.1	92.7
59	-0.0017	-67.4983	4594	1480	34.677	0.090	1.02784	123.3	93.9
59	-0.0017	-67.4983	4594	1970	34.670	-0.110	1.02785	121.0	95.5
59	-0.0017	-67.4983	4594	2460	34.665	-0.271	1.02785	120.9	94.7
59	-0.0017	-67.4983	4594	2950	34.661	-0.385	1.02785	119.7	93.3
59	-0.0017	-67.4983	4594	3436	34.658	-0.476	1.02785	119.4	93.6
59	-0.0017	-67.4983	4594	3924	34.656	-0.552	1.02786	121.7	94.9
59	-0.0017	-67.4983	4594	4487	34.653	-0.638	1.02786	126.8	96.2
59	-0.0017	-67.4983	4594	4584	34.651	-0.669	1.02786	130.2	99.9

Station	Long. °E	Lat. °S	Seafloor, m	Depth, m	Salinity	Tpot °C	density	$Si(OH)_4$ µmol kg^{-1}	Ba nmol kg^{-1}
60	8.00E-04	-67.9998	4470	19	34.109	0.824	1.02734	61.4	80.8
60	8.00E-04	-67.9998	4470	50	34.435	-1.361	1.02771	77.5	81.9
60	8.00E-04	-67.9998	4470	99	34.516	-1.258	1.02777	82.9	89.8
60	8.00E-04	-67.9998	4470	149	34.608	-0.123	1.02780	92.1	89.1
60	8.00E-04	-67.9998	4470	198	34.678	0.636	1.02781	99.1	89.6
60	8.00E-04	-67.9998	4470	495	34.697	0.661	1.02782	110.9	90.8
60	8.00E-04	-67.9998	4470	643	34.694	0.550	1.02783	114.7	91.2
60	8.00E-04	-67.9998	4470	988	34.686	0.329	1.02783	121.1	92.9
60	8.00E-04	-67.9998	4470	1481	34.677	0.086	1.02784	124.2	94.9
60	8.00E-04	-67.9998	4470	1970	34.670	-0.114	1.02785	124.6	94.3
60	8.00E-04	-67.9998	4470	2460	34.665	-0.274	1.02785	124.6	97.0
60	8.00E-04	-67.9998	4470	2948	34.661	-0.388	1.02785	123.5	95.1
60	8.00E-04	-67.9998	4470	3436	34.658	-0.476	1.02785	123.5	93.4
60	8.00E-04	-67.9998	4470	3923	34.655	-0.544	1.02785	125.6	96.4
60	8.00E-04	-67.9998	4470	4459	34.653	-0.629	1.02786	133.9	100.1
61	-0.0113	-68.5011	4227	20	34.040	0.716	1.02729	56.0	76.6
61	-0.0113	-68.5011	4227	101	34.582	-0.077	1.02777	85.0	82.7
61	-0.0113	-68.5011	4227	147	34.674	0.872	1.02779	92.2	86.8
61	-0.0113	-68.5011	4227	345	34.705	0.941	1.02781	100.3	88.2
61	-0.0113	-68.5011	4227	595	34.701	0.702	1.02782	108.1	92.8
61	-0.0113	-68.5011	4227	987	34.691	0.419	1.02783	115.6	92.7
61	-0.0113	-68.5011	4227	1477	34.681	0.163	1.02784	120.3	95.0
61	-0.0113	-68.5011	4227	1968	34.672	-0.069	1.02785	121.4	93.5
61	-0.0113	-68.5011	4227	2461	34.667	-0.239	1.02785	121.5	95.2
61	-0.0113	-68.5011	4227	2947	34.663	-0.358	1.02785	119.5	94.7
61	-0.0113	-68.5011	4227	3435	34.660	-0.447	1.02785	119.8	93.3
61	-0.0113	-68.5011	4227	3923	34.658	-0.513	1.02786	121.5	95.7
61	-0.0113	-68.5011	4227	4218	34.656	-0.566	1.02786	127.3	100.0
62	-0.0537	-68.7498	3427	20	34.011	0.186	1.02730	47.6	79.3
62	-0.0537	-68.7498	3427	50	34.410	-1.576	1.02770	67.0	85.0
62	-0.0537	-68.7498	3427	99	34.458	-1.591	1.02773	71.1	81.3
62	-0.0537	-68.7498	3427	148	34.560	-0.293	1.02777	80.0	81.6
62	-0.0537	-68.7498	3427	297	34.695	0.971	1.02780	97.8	90.3
62	-0.0537	-68.7498	3427	496	34.698	0.782	1.02782	105.1	89.7
62	-0.0537	-68.7498	3427	744	34.693	0.573	1.02783	112.8	91.1
62	-0.0537	-68.7498	3427	988	34.685	0.374	1.02783	116.3	91.6
62	-0.0537	-68.7498	3427	1479	34.674	0.080	1.02784	121.8	95.4
62	-0.0537	-68.7498	3427	1970	34.666	-0.129	1.02784	122.2	92.8
62	-0.0537	-68.7498	3427	2462	34.663	-0.267	1.02785	123.0	91.8
62	-0.0537	-68.7498	3427	2950	34.660	-0.364	1.02785	123.7	93.2
62	-0.0537	-68.7498	3427	3192	34.659	-0.406	1.02785	124.8	92.4
62	-0.0537	-68.7498	3427	3370	34.659	-0.412	1.02785	125.1	94.3

Station	Long. °E	Lat. °S	Seafloor, m	Depth, m	Salinity	Tpot °C	density	$Si(OH)_4$ µmol kg^{-1}	Ba nmol kg^{-1}
63	0.0037	-68.9653	3353	20	34.000	0.394	1.02728	47.9	74.6
63	0.0037	-68.9653	3353	49	34.330	-1.323	1.02762	63.0	89.9
63	0.0037	-68.9653	3353	100	34.443	-1.681	1.02772	68.1	79.1
63	0.0037	-68.9653	3353	149	34.502	-1.010	1.02775	73.7	79.6
63	0.0037	-68.9653	3353	297	34.673	0.749	1.02780	93.9	85.8
63	0.0037	-68.9653	3353	495	34.697	0.790	1.02782	102.2	89.0
63	0.0037	-68.9653	3353	741	34.689	0.534	1.02782	108.2	90.4
63	0.0037	-68.9653	3353	987	34.682	0.350	1.02783	113.3	90.1
63	0.0037	-68.9653	3353	1479	34.675	0.111	1.02784	119.9	92.6
63	0.0037	-68.9653	3353	1972	34.667	-0.112	1.02784	119.8	95.4
63	0.0037	-68.9653	3353	2461	34.664	-0.235	1.02785	119.4	95.8
63	0.0037	-68.9653	3353	2948	34.662	-0.323	1.02785	120.4	93.2
63	0.0037	-68.9653	3353	3094	34.662	-0.345	1.02785	120.8	92.7
63	0.0037	-68.9653	3353	3344	34.661	-0.356	1.02785	121.1	93.2
65	-0.1357	-69.5793	1698	20	33.406	-1.484	1.02688	50.0	75.5
65	-0.1357	-69.5793	1698	49	33.590	-1.351	1.02702	51.8	75.2
65	-0.1357	-69.5793	1698	99	33.658	-1.301	1.02708	52.4	76.6
65	-0.1357	-69.5793	1698	149	33.775	-1.211	1.02717	53.3	75.5
65	-0.1357	-69.5793	1698	297	34.313	-1.775	1.02762	59.7	77.1
65	-0.1357	-69.5793	1698	494	34.392	-1.615	1.02768	65.4	78.3
65	-0.1357	-69.5793	1698	693	34.544	-0.347	1.02776	81.6	80.4
65	-0.1357	-69.5793	1698	987	34.647	0.335	1.02780	98.7	85.1
65	-0.1357	-69.5793	1698	1283	34.667	0.338	1.02782	107.0	87.9
65	-0.1357	-69.5793	1698	1479	34.670	0.295	1.02782	110.4	89.2
65	-0.1357	-69.5793	1698	1688	34.672	0.193	1.02783	115.8	91.6
67	-3.00E-04	-69.4166	1903	19	33.984	-0.200	1.02730	52.8	76.3
67	-3.00E-04	-69.4166	1903	49	34.023	-0.030	1.02732	53.5	77.6
67	-3.00E-04	-69.4166	1903	100	34.268	-1.729	1.02758	57.5	77.6
67	-3.00E-04	-69.4166	1903	148	34.330	-1.756	1.02764	59.6	77.3
67	-3.00E-04	-69.4166	1903	346	34.467	-1.117	1.02773	71.2	79.1
67	-3.00E-04	-69.4166	1903	494	34.631	0.463	1.02778	88.5	85.1
67	-3.00E-04	-69.4166	1903	642	34.671	0.613	1.02781	96.0	91.1
67	-3.00E-04	-69.4166	1903	986	34.676	0.379	1.02782	107.4	94.7
67	-3.00E-04	-69.4166	1903	1282	34.674	0.204	1.02783	112.9	92.3
67	-3.00E-04	-69.4166	1903	1479	34.672	0.134	1.02783	114.7	92.1
67	-3.00E-04	-69.4166	1903	1774	34.670	0.050	1.02784	116.0	92.1
67	-3.00E-04	-69.4166	1903	1895	34.669	0.009	1.02784	117.1	93.7
69	0.0026	-69.2492	2545	20	34.009	0.232	1.02729	51.5	76.4
69	0.0026	-69.2492	2545	48	34.144	-0.487	1.02744	58.9	82.6
69	0.0026	-69.2492	2545	98	34.407	-1.607	1.02769	65.3	79.8
69	0.0026	-69.2492	2545	198	34.503	-0.739	1.02774	74.9	84.0
69	0.0026	-69.2492	2545	346	34.632	0.440	1.02778	88.6	83.2
69	0.0026	-69.2492	2545	494	34.671	0.612	1.02781	96.1	89.6
69	0.0026	-69.2492	2545	643	34.677	0.511	1.02782	101.4	88.6
69	0.0026	-69.2492	2545	791	34.678	0.428	1.02782	105.7	89.6
69	0.0026	-69.2492	2545	983	34.675	0.310	1.02783	109.2	90.6
69	0.0026	-69.2492	2545	1577	34.670	0.058	1.02784	115.7	94.0
69	0.0026	-69.2492	2545	2064	34.665	-0.098	1.02784	117.5	93.0
69	0.0026	-69.2492	2545	2434	34.663	-0.181	1.02784	118.0	93.3
69	0.0026	-69.2492	2545	2536	34.663	-0.193	1.02784	118.6	92.8