

**The 1993 Northeast Water Expedition  
Data Report of RV „Polarstern” Arctic Cruises  
ARK IX/2 and 3**

**Die Nordostwasser-Polynja-Expedition 1993  
Datenband der Arktis-Reisen ARK IX/2 und 3 mit  
FS „Polarstern”**

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**Ber. Polarforsch. 145 (1994)  
ISSN 0176 - 5027**



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## **Data Report of RV "Polarstern" Cruises ARK IX/2 and 3**

**Bremerhaven - Tromsø  
May 16 to June 24, 1993**

**Tromsø - Tromsø  
June 26 to August 4, 1993**

### **Summary**

The expeditions ARK IX/2 and 3 of RV "Polarstern" to the Northeast Water Polynya (NEW) off Greenland was part of the main field phase of the International Arctic Polynya Programme (IAPP) under the umbrella of the Arctic Ocean Sciences Board (AOSB).

The major goal of the programme was a detailed study of the generation mechanisms of the polynya and its ecosystem and the effect of the polynya on the adjacent land ecosystem. Physical, biological, chemical and geological programmes were performed at sea to obtain a complete data set from this area.

This report includes physical, chemical and biological data. The locations of the stations are presented in Figs 1 and 2; for geographical positions refer to the data report on CTD Measurements by Budéus and Schneider. Details concerning the scientific programme and the cruise are described in the cruise report published in Reports on Polar Research, volume 142/94.

The data in this report are the property of the authors and may not be cited without prior reference of the authors.

### **Zusammenfassung**

Die Expeditionen ARK IX/2 und 3 mit FS "Polarstern" in die Nordostwasser Polynja auf dem Ostgrönland-Schelf war Teil der Hauptfeldphase des International Arctic Polynya Programme (IAPP) unter der Schirmherrschaft des Arctic Ocean Sciences Board (AOSB).

Das Ziel des Programms war eine detaillierter Bestandsaufnahme der Entstehungsmechanismen der Polynja und ihres Ökosystems sowie ihrer Auswirkung auf das benachbarte grönländische Festland. Um einen möglichst vollständigen Datensatz zu erhalten, wurden auf FS "Polarstern" physikalische, chemische und biologische Untersuchungen durchgeführt.

Im folgenden Bericht sind physikalische, chemische und biologische Daten enthalten. Die Lage der Stationen ist in den Abb. 1 und 2 wiedergegeben; die geographischen Positionen sind dem Beitrag "CTD Measurements" von Budéus and Schneider zu entnehmen. Weitere Einzelheiten über das wissenschaftliche Programm und die Fahrt sind im Fahrtbericht enthalten, der in den Berichten zur Polarforschung, Band 142/94, veröffentlicht ist.

Die in diesem Band enthaltenen Daten sind Eigentum der Autoren und dürfen nur nach Rücksprache zitiert werden.

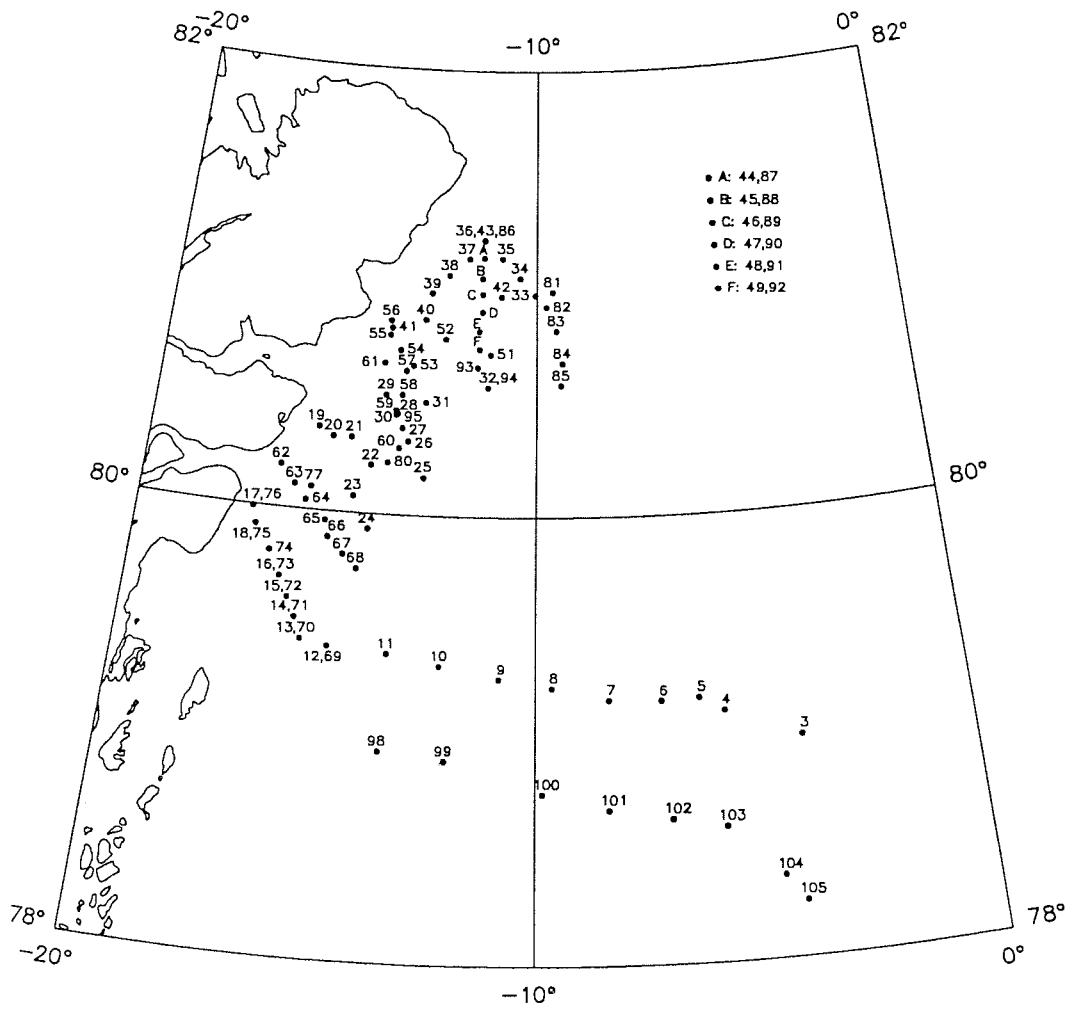


Fig. 1. Research area and stations during ARK IX/2.

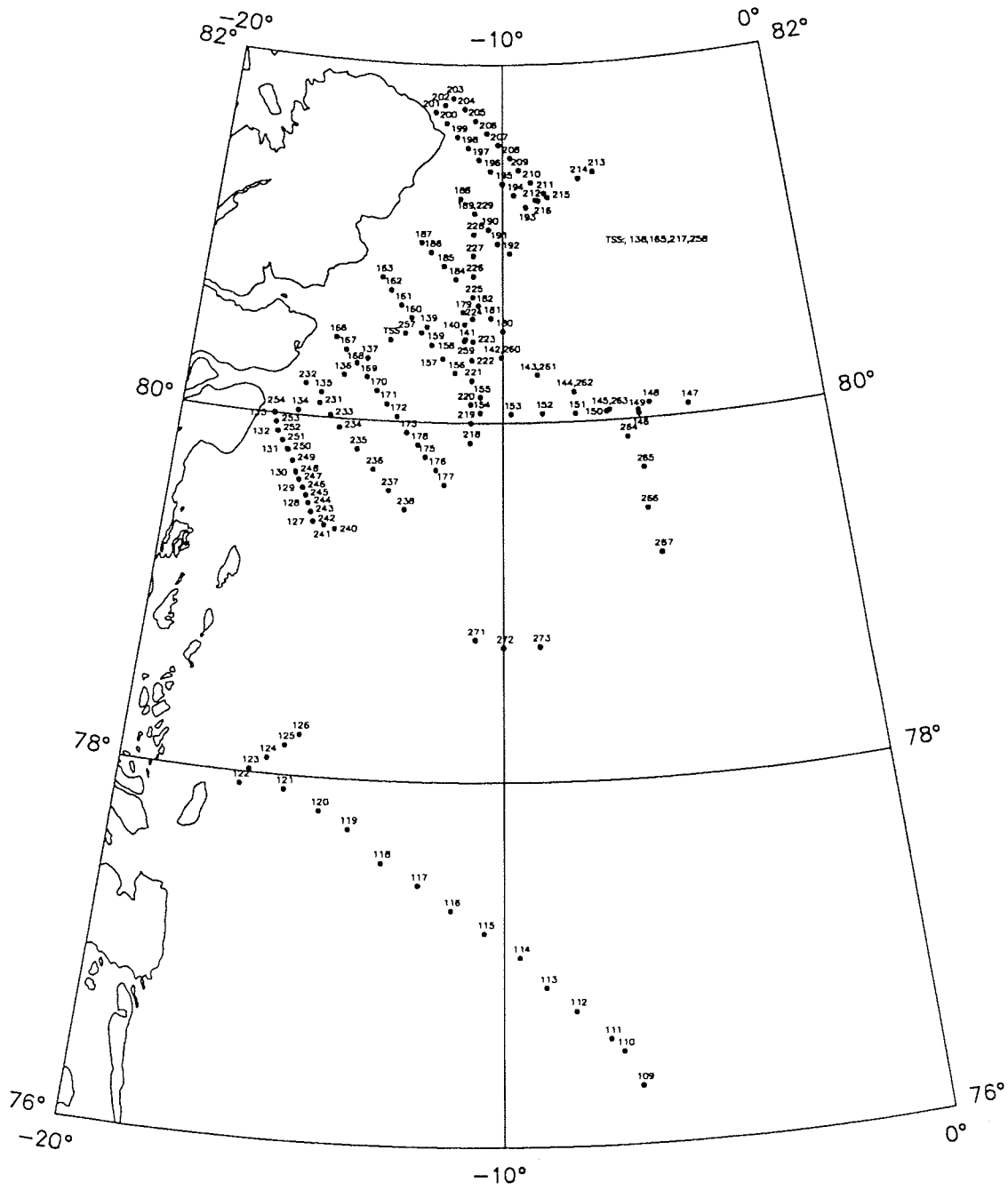


Fig. 2. Research area and stations during ARK IX/3.

## 1 CTD Measurements

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This data report includes all recorded downcast CTD-profiles and all bottle sample protocols of Polarstern cruise ARK IX leg 2 and 3.

CTD casts have been performed with a Seabird 911+ system, equipped with a standard sensor set (pumped system to optimize time alignment and time constants of temperature and conductivity sensors) and a number of additional optical sensors. These are for measurements of chlorophyll fluorescence, backscattering, gelbstoff fluorescence (all three Dr. Haardt instruments), light intensity relative to the surface (LICOR with AWI interface) and transmission (Seatech instrument managed by SFB 313 Kiel). Gelbstoff measurements have not been recorded on stations 105 to 123. Four calibration checks have been performed in the central Greenland Sea (75°N, 3°W) at about 3000 m depth on May 23, June 22 and 27, and August 2, since the NEW area is not suited to calibrate CTD sensors by comparative temperature measurements and water sampling. Evaluation of the calibration casts yields an accuracy of better than 5 mK for temperature and 0.006 for salinity during the entire duration of the cruise. The data have been processed by standard methods using mainly Seabird software. This includes optimizing time alignment between conductivity and temperature measurements and optimizing their time response, correction for the thermal mass of the conductivity cell, suppression of possible upward CTD movements during downcasts and application of a median filter over 5 scans for the fluorescence sensors.

### Naming convention

The naming convention for stations and casts is as follows: The profile is described by 8 characters; the first 4 characters indicate the cruise (ark9), the next 3 characters indicate the station; the last character stands for the cast number, starting with zero for the first cast of a station. Thus ark91230 is the first profile at station 123. Not in all cases do both downcast measurements and upcast bottle samples exist.



Station 002	Profile 0	Latitude	75.00	Longitude	-3.00
p / dbar	T / C	Salinity	Sigma-t		
499.39	-1.00	34.86	28.04		
200.61	-1.05	34.85	28.03		
150.66	-1.36	34.83	28.03		
102.93	-1.50	34.81	28.02		
75.23	-1.48	34.80	28.01		
50.42	-1.42	34.80	28.00		
27.51	-1.41	34.79	28.00		
16.25	-1.41	34.79	28.00		
9.59	-1.41	34.79	28.00		
3.01	-1.41	34.79	28.00		

Station 002	Profile 1	Latitude	74.98	Longitude	-3.06
p / dbar	T / C	Salinity	Sigma-t		
2956.00	-1.03	34.89	28.07		
2956.43	-1.03	34.89	28.07		
2956.21	-1.03	34.89	28.07		
2956.35	-1.03	34.89	28.07		
2955.89	-1.03	34.89	28.07		
2956.00	-1.03	34.89	28.07		
2956.24	-1.03	34.89	28.07		
2955.68	-1.03	34.89	28.07		
2955.73	-1.03	34.89	28.07		
2955.85	-1.03	34.89	28.07		
2955.85	-1.03	34.89	28.07		
2955.93	-1.03	34.89	28.07		

Station 003	Profile 0	Latitude	78.98	Longitude	-3.97
p / dbar	T / C	Salinity	Sigma-t		
1977.71	-0.65	34.92	28.07		
999.62	-0.14	34.89	28.03		
509.33	0.43	34.86	27.97		
300.28	0.59	34.81	27.92		
150.84	-1.41	34.16	27.49		
99.94	-1.78	33.79	27.20		
59.72	-1.74	32.32	26.00		
38.50	-1.74	32.28	25.97		
20.19	-1.67	31.90	25.66		
10.15	-1.63	31.77	25.55		
4.35	-1.61	31.75	25.53		
2.00	-1.61	31.75	25.53		

Station 004	Profile 0	Latitude	79.11	Longitude	-5.69
p / dbar	T / C	Salinity	Sigma-t		
993.13	-0.16	34.89	28.03		
502.00	0.49	34.86	27.96		
296.28	0.47	34.74	27.87		
151.06	-1.79	33.83	27.23		
125.62	-1.82	33.76	27.17		
100.36	-1.83	33.68	27.11		
60.04	-1.73	33.21	26.72		
40.08	-1.64	32.53	26.17		
20.16	-1.68	31.62	25.43		
11.39	-1.68	31.62	25.43		
5.62	-1.61	31.60	25.41		
2.44	-1.67	31.60	25.41		

Station 005	Profile 0	Latitude	79.17	Longitude	-6.25
p / dbar	T / C	Salinity	Sigma-t		
451.03	0.09	34.88	28.01		
450.85	0.09	34.88	28.01		
450.74	0.09	34.88	28.01		
450.62	0.09	34.88	28.01		
450.36	0.09	34.88	28.01		
449.97	0.09	34.88	28.01		
449.52	0.09	34.88	28.01		
201.13	-0.40	34.44	27.68		
150.35	-1.35	34.02	27.37		
100.08	-1.77	33.66	27.09		
71.00	-1.80	33.22	26.73		
71.02	-1.80	33.22	26.73		

Station 005	Profile 1	Latitude	79.17	Longitude	-6.33
p / dbar	T / C	Salinity	Sigma-t		
47.41	-1.61	32.67	26.28		
47.40	-1.59	32.70	26.31		
27.43	-1.65	31.78	25.56		
27.46	-1.65	31.78	25.56		
16.49	-1.62	31.71	25.51		
16.49	-1.62	31.71	25.51		
9.52	-1.41	31.66	25.46		
9.52	-1.40	31.66	25.46		
6.26	-1.39	31.66	25.46		
6.24	-1.39	31.66	25.46		
1.89	-1.39	31.66	25.46		
1.89	-1.40	31.66	25.46		

Station 006	Profile 0	Latitude	79.17	Longitude	-7.11
p / dbar	T / C	Salinity	Sigma-t		
223.56	0.03	34.59	27.77		
200.30	-0.28	34.48	27.70		
150.02	-1.61	34.01	27.37		
100.63	-1.68	33.57	27.02		
75.38	-1.65	33.10	26.64		
49.93	-1.69	32.36	26.03		
29.88	-1.62	31.73	25.52		
19.88	-1.51	31.60	25.41		
10.02	-1.54	31.55	25.37		
1.64	-1.55	31.55	25.37		
1.61	-1.55	31.55	25.37		
1.67	-1.55	31.55	25.37		

Station 007	Profile 0	Latitude	79.18	Longitude	-8.31
p / dbar	T / C	Salinity	Sigma-t		
189.51	-0.24	34.38	27.62		
150.71	-1.54	34.01	27.37		
100.57	-1.80	33.64	27.08		
75.18	-1.72	33.15	26.67		
49.86	-1.69	31.91	25.67		
30.21	-1.69	31.76	25.55		
19.65	-1.67	31.75	25.54		
9.77	-1.61	31.71	25.50		
1.57	-1.61	31.71	25.50		
1.59	-1.61	31.71	25.50		
1.57	-1.61	31.71	25.50		
1.57	-1.61	31.71	25.50		

Station 008	Profile 0	Latitude	79.23	Longitude	-9.62
p / dbar	T / C	Salinity	Sigma-t		
121.60	-1.40	33.01	26.56		
121.62	-1.42	32.97	26.52		
100.45	-1.66	32.49	26.13		
65.42	-1.75	32.27	25.96		
65.46	-1.75	32.27	25.96		
Station 008	Profile 1	Latitude	79.23	Longitude	-9.62
p / dbar	T / C	Salinity	Sigma-t		
40.64	-1.74	32.00	25.74		
40.64	-1.74	31.99	25.73		
23.04	-1.73	31.96	25.71		
23.05	-1.72	31.94	25.70		
11.60	-1.71	31.94	25.69		
11.59	-1.71	31.94	25.69		
5.96	-1.73	31.95	25.70		
5.96	-1.72	31.95	25.70		
2.92	-1.72	31.94	25.69		
2.92	-1.73	31.96	25.71		
1.90	-1.72	31.95	25.70		
1.89	-1.72	31.95	25.70		
Station 009	Profile 0	Latitude	79.27	Longitude	-10.86
p / dbar	T / C	Salinity	Sigma-t		
215.52	-0.07	34.45	27.67		
215.51	-0.07	34.45	27.67		
199.88	-0.13	34.42	27.64		
149.27	-0.85	33.82	27.19		
99.93	-1.69	32.44	26.09		
52.60	-1.73	32.08	25.81		
36.88	-1.73	32.01	25.75		
23.93	-1.73	32.01	25.75		
14.25	-1.73	32.01	25.75		
8.92	-1.73	32.01	25.75		
3.91	-1.73	32.01	25.75		
1.85	-1.73	32.01	25.75		
Station 010	Profile 0	Latitude	79.32	Longitude	-12.29
p / dbar	T / C	Salinity	Sigma-t		
179.00	-0.63	34.00	27.33		
178.99	-0.63	34.00	27.33		
178.99	-0.63	34.00	27.33		
150.19	-1.31	33.10	26.62		
100.02	-1.76	32.45	26.11		
58.68	-1.77	32.44	26.10		
58.71	-1.77	32.44	26.10		
58.70	-1.77	32.44	26.10		
58.71	-1.77	32.44	26.10		
38.98	-1.77	32.44	26.10		
38.99	-1.77	32.44	26.10		
38.99	-1.77	32.44	26.10		

Station 010	Profile 1	Latitude	79.32	Longitude	-12.29
p / dbar	T / C	Salinity	Sigma-t		
20.09	-1.76	32.43	26.09		
20.08	-1.76	32.43	26.09		
15.99	-1.76	32.43	26.09		
16.00	-1.76	32.43	26.09		
16.00	-1.76	32.43	26.09		
16.00	-1.76	32.43	26.09		
11.56	-1.76	32.43	26.09		
11.57	-1.76	32.43	26.09		
8.53	-1.76	32.42	26.08		
8.47	-1.76	32.42	26.08		
1.75	-1.75	32.42	26.08		
1.80	-1.75	32.42	26.08		

Station 011	Profile 0	Latitude	79.37	Longitude	-13.55
p / dbar	T / C	Salinity	Sigma-t		
140.46	-1.53	32.79	26.38		
140.48	-1.54	32.78	26.37		
140.50	-1.55	32.77	26.36		
140.50	-1.55	32.76	26.36		
99.64	-1.76	32.45	26.11		
59.65	-1.77	32.45	26.11		
40.04	-1.76	32.45	26.11		
19.82	-1.76	32.45	26.10		
15.51	-1.76	32.45	26.11		
10.98	-1.76	32.45	26.11		
7.95	-1.76	32.45	26.11		
1.78	-1.76	32.45	26.10		

Station 012	Profile 1	Latitude	79.39	Longitude	-14.97
p / dbar	T / C	Salinity	Sigma-t		
49.30	-1.73	32.41	26.07		
49.30	-1.73	32.41	26.07		
49.31	-1.73	32.41	26.07		
49.32	-1.73	32.41	26.07		
49.31	-1.73	32.41	26.07		
49.32	-1.73	32.41	26.07		
42.87	-1.72	32.41	26.07		
26.70	-1.71	32.41	26.07		
17.20	-1.71	32.41	26.07		
11.76	-1.70	32.41	26.07		
6.69	-1.66	32.41	26.07		
1.89	-1.66	32.41	26.07		

Station 013	Profile 0	Latitude	79.41	Longitude	-15.62
p / dbar	T / C	Salinity	Sigma-t		
40.14	-1.76	32.43	26.09		
40.11	-1.76	32.43	26.09		
22.26	-1.76	32.43	26.09		
22.27	-1.76	32.43	26.09		
10.19	-1.75	32.43	26.09		
10.21	-1.75	32.43	26.09		
4.79	-1.75	32.43	26.09		
4.80	-1.75	32.43	26.09		
1.50	-1.75	32.43	26.09		
1.51	-1.75	32.43	26.09		
1.53	-1.75	32.43	26.09		
1.68	-1.75	32.43	26.09		

Station 014	Profile 0	Latitude	79.51	Longitude	-15.81
p / dbar	T / C	Salinity	Sigma-t		
107.45	-1.67	32.58	26.21		
107.44	-1.67	32.58	26.21		
99.24	-1.68	32.56	26.19		
56.74	-1.77	32.42	26.08		
34.66	-1.75	32.40	26.06		
15.25	-1.76	32.40	26.07		
9.38	-1.76	32.39	26.06		
4.69	-1.75	32.39	26.06		
2.14	-1.72	32.39	26.06		
1.67	-1.71	32.39	26.06		
1.68	-1.72	32.39	26.06		
1.70	-1.71	32.39	26.06		

Station 015	Profile 0	Latitude	79.60	Longitude	-16.03
p / dbar	T / C	Salinity	Sigma-t		
181.46	-0.12	34.34	27.58		
181.51	-0.11	34.35	27.58		
150.01	-1.18	33.34	26.81		
124.58	-1.60	32.72	26.32		
99.61	-1.76	32.48	26.13		
55.50	-1.77	32.41	26.08		
55.61	-1.77	32.41	26.08		
1.63	-1.76	32.38	26.05		
1.64	-1.76	32.38	26.05		
1.66	-1.76	32.38	26.05		
1.67	-1.75	32.38	26.05		
1.66	-1.76	32.38	26.05		

Station 015	Profile 1	Latitude	79.60	Longitude	-16.03
p / dbar	T / C	Salinity	Sigma-t		
39.49	-1.77	32.39	26.06		
39.49	-1.77	32.39	26.06		
20.12	-1.76	32.38	26.05		
20.14	-1.76	32.38	26.05		
10.84	-1.75	32.38	26.05		
10.85	-1.76	32.38	26.05		
6.11	-1.75	32.38	26.05		
6.11	-1.75	32.38	26.05		
2.95	-1.76	32.38	26.05		
2.95	-1.76	32.38	26.05		
1.71	-1.76	32.38	26.05		
1.72	-1.73	32.38	26.05		

Station 016	Profile 0	Latitude	79.69	Longitude	-16.27
p / dbar	T / C	Salinity	Sigma-t		
293.92	0.70	34.73	27.85		
294.67	0.70	34.73	27.85		
200.26	0.11	34.49	27.69		
150.05	-0.96	33.62	27.04		
99.52	-1.74	32.50	26.15		
58.29	-1.78	32.45	26.11		
38.33	-1.77	32.41	26.08		
22.86	-1.77	32.40	26.07		
12.22	-1.76	32.40	26.06		
5.96	-1.76	32.40	26.06		
4.10	-1.75	32.40	26.06		
1.63	-1.76	32.40	26.06		

Station 017	Profile 0	Latitude	79.99	Longitude	-17.10
p / dbar	T / C	Salinity	Sigma-t		
115.92	-0.85	33.60	27.01		
115.92	-0.85	33.60	27.01		
100.03	-1.21	33.11	26.63		
63.19	-1.69	32.32	26.00		
41.92	-1.69	32.18	25.88		
26.02	-1.70	32.10	25.82		
26.06	-1.70	32.10	25.82		
16.74	-1.66	32.04	25.78		
14.39	-1.68	32.05	25.78		
10.07	-1.64	32.02	25.76		
6.35	-1.51	31.97	25.71		
1.61	-1.50	31.97	25.71		
Station 018	Profile 0	Latitude	79.91	Longitude	-16.98
p / dbar	T / C	Salinity	Sigma-t		
306.35	0.90	34.81	27.90		
249.25	0.69	34.73	27.85		
Station 019	Profile 0	Latitude	80.37	Longitude	-15.69
p / dbar	T / C	Salinity	Sigma-t		
67.46	-1.72	32.29	25.97		
67.46	-1.72	32.29	25.98		
47.31	-1.71	32.18	25.89		
31.72	-1.67	32.13	25.84		
17.67	-1.62	32.03	25.77		
8.95	-1.60	32.03	25.76		
4.33	-1.60	32.03	25.76		
2.05	-1.61	32.03	25.76		
2.06	-1.60	32.03	25.76		
2.07	-1.61	32.03	25.76		
2.07	-1.60	32.03	25.76		
Station 020	Profile 0	Latitude	80.33	Longitude	-15.30
p / dbar	T / C	Salinity	Sigma-t		
218.93	0.56	34.68	27.82		
218.99	0.56	34.68	27.82		
150.12	-0.22	34.21	27.48		
100.32	-1.70	32.49	26.14		
75.25	-1.76	32.35	26.02		
52.76	-1.76	32.33	26.01		
27.33	-1.74	32.30	25.98		
15.85	-1.71	32.29	25.98		
10.69	-1.72	32.30	25.98		
6.09	-1.72	32.30	25.98		
2.14	-1.69	32.29	25.98		

Station 021	Profile 0	Latitude	80.34	Longitude	-14.84
p / dbar	T / C	Salinity	Sigma-t		
299.03	0.67	34.72	27.84		
299.16	0.67	34.72	27.84		
200.24	0.30	34.59	27.76		
149.84	-0.46	33.98	27.30		
99.60	-1.73	32.41	26.07		
62.03	-1.73	32.35	26.02		
62.03	-1.73	32.35	26.02		
53.52	-1.74	32.35	26.02		
38.96	-1.73	32.34	26.01		
25.24	-1.73	32.33	26.01		
7.75	-1.70	32.31	26.00		

Station 021	Profile 1	Latitude	80.34	Longitude	-14.83
p / dbar	T / C	Salinity	Sigma-t		
45.27	-1.75	32.34	26.02		
45.28	-1.74	32.34	26.02		
25.40	-1.71	32.32	26.00		
25.42	-1.71	32.32	26.00		
14.15	-1.70	32.31	25.99		
13.99	-1.70	32.31	25.99		
8.02	-1.70	32.31	26.00		
8.12	-1.70	32.31	25.99		
4.21	-1.71	32.32	26.00		
4.21	-1.71	32.31	26.00		
1.81	-1.70	32.31	25.99		
1.81	-1.70	32.31	25.99		

Station 022	Profile 0	Latitude	80.22	Longitude	-14.27
p / dbar	T / C	Salinity	Sigma-t		
251.07	0.43	34.65	27.80		
251.01	0.44	34.65	27.80		
200.21	0.00	34.47	27.68		
150.39	-1.18	33.45	26.90		
100.21	-1.75	32.39	26.06		
41.56	-1.73	32.35	26.02		
29.84	-1.73	32.35	26.02		
17.26	-1.73	32.34	26.02		
8.36	-1.72	32.34	26.02		
3.97	-1.72	32.34	26.02		
2.04	-1.73	32.34	26.02		
1.86	-1.72	32.34	26.02		

Station 023	Profile 0	Latitude	80.08	Longitude	-14.66
p / dbar	T / C	Salinity	Sigma-t		
198.15	-0.21	34.39	27.62		
198.25	-0.22	34.39	27.62		
145.29	-1.34	33.19	26.70		
100.98	-1.74	32.45	26.11		
30.93	-1.71	32.34	26.02		
20.82	-1.71	32.34	26.02		
15.60	-1.70	32.34	26.02		
9.72	-1.70	32.34	26.02		
4.96	-1.70	32.34	26.02		
3.16	-1.70	32.34	26.02		
3.20	-1.70	32.34	26.02		

Station 024	Profile 0	Latitude	79.93	Longitude	-14.23
p / dbar	T / C	Salinity	Sigma-t		
75.90	-1.74	32.38	26.05		
75.90	-1.74	32.38	26.05		
25.62	-1.75	32.38	26.05		
19.48	-1.75	32.38	26.05		
12.59	-1.75	32.38	26.05		
8.40	-1.75	32.38	26.05		
5.93	-1.74	32.38	26.05		
1.88	-1.74	32.38	26.05		
1.87	-1.74	32.38	26.05		
1.84	-1.74	32.38	26.05		
1.87	-1.74	32.38	26.05		

Station 025	Profile 0	Latitude	80.17	Longitude	-12.91
p / dbar	T / C	Salinity	Sigma-t		
79.77	-1.73	32.42	26.08		
79.76	-1.73	32.42	26.08		
38.11	-1.72	32.37	26.04		
27.96	-1.72	32.36	26.03		
19.19	-1.73	32.35	26.03		
19.20	-1.73	32.35	26.02		
11.23	-1.73	32.34	26.01		
11.23	-1.73	32.34	26.02		
5.93	-1.73	32.34	26.02		
3.39	-1.74	32.34	26.01		
1.95	-1.73	32.33	26.01		

Station 026	Profile 0	Latitude	80.33	Longitude	-13.35
p / dbar	T / C	Salinity	Sigma-t		
251.05	0.46	34.65	27.80		
251.07	0.46	34.65	27.80		
200.43	0.01	34.47	27.67		
149.35	-1.21	33.48	26.93		
100.89	-1.75	32.38	26.05		
37.49	-1.74	32.32	26.00		
26.48	-1.73	32.32	26.00		
13.34	-1.73	32.31	26.00		
10.74	-1.73	32.32	26.00		
8.85	-1.73	32.32	26.00		
8.08	-1.73	32.32	26.00		
1.61	-1.73	32.31	26.00		

Station 027	Profile 0	Latitude	80.39	Longitude	-13.53
p / dbar	T / C	Salinity	Sigma-t		
279.19	0.61	34.70	27.83		
279.12	0.61	34.70	27.83		
199.38	-0.02	34.48	27.69		
149.51	-0.97	33.77	27.15		
149.57	-0.96	33.77	27.15		
149.60	-0.96	33.77	27.15		
99.98	-1.74	32.38	26.05		
28.38	-1.74	32.32	26.00		
19.92	-1.74	32.32	26.00		
9.22	-1.74	32.32	26.00		
2.59	-1.72	32.31	25.99		



Station 027	Profile 1	Latitude	80.38	Longitude	-13.57
p / dbar	T / C	Salinity	Sigma-t		
24.84	-1.73	32.32	26.00		
24.84	-1.73	32.32	26.00		
17.73	-1.71	32.31	25.99		
17.73	-1.72	32.31	26.00		
12.77	-1.70	32.31	25.99		
12.78	-1.72	32.31	25.99		
7.27	-1.71	32.31	25.99		
7.28	-1.71	32.31	25.99		
6.04	-1.71	32.31	25.99		
6.04	-1.71	32.31	25.99		
1.71	-1.70	32.31	25.99		
1.70	-1.70	32.31	25.99		

Station 028	Profile 0	Latitude	80.46	Longitude	-13.73
p / dbar	T / C	Salinity	Sigma-t		
318.56	0.71	34.73	27.85		
319.16	0.71	34.73	27.85		
199.16	0.27	34.57	27.75		
148.36	-0.77	33.96	27.30		
99.16	-1.74	32.39	26.06		
45.83	-1.72	32.29	25.97		
45.81	-1.73	32.30	25.98		
32.35	-1.72	32.29	25.97		
17.37	-1.72	32.29	25.97		
3.23	-1.72	32.29	25.97		
1.68	-1.72	32.29	25.97		

Station 029	Profile 0	Latitude	80.53	Longitude	-14.02
p / dbar	T / C	Salinity	Sigma-t		
227.67	0.49	34.67	27.81		
227.75	0.46	34.65	27.80		
200.14	0.18	34.54	27.72		
150.59	-0.43	34.14	27.43		
100.57	-1.74	32.37	26.04		
35.22	-1.75	32.32	26.00		
31.06	-1.75	32.32	26.00		
20.65	-1.74	32.30	25.99		
11.09	-1.70	32.27	25.96		
6.02	-1.71	32.28	25.97		
3.16	-1.69	32.27	25.96		
1.76	-1.69	32.27	25.96		

Station 030	Profile 0	Latitude	80.44	Longitude	-13.71
p / dbar	T / C	Salinity	Sigma-t		
320.09	0.69	34.73	27.85		
200.72	0.21	34.56	27.74		
150.18	-0.70	34.01	27.34		
100.05	-1.74	32.41	26.07		
50.56	-1.72	32.32	26.00		
34.94	-1.71	32.31	25.99		
34.96	-1.71	32.31	25.99		
21.61	-1.71	32.31	25.99		
21.62	-1.71	32.31	25.99		
21.62	-1.71	32.31	25.99		
21.63	-1.71	32.31	25.99		

Station 030	Profile 1	Latitude	80.45	Longitude	-13.70
p / dbar	T / C	Salinity	Sigma-t		
35.94	-1.71	32.31	26.00		
35.94	-1.71	32.31	26.00		
22.99	-1.71	32.31	25.99		
23.00	-1.71	32.31	25.99		
13.89	-1.71	32.31	25.99		
13.90	-1.71	32.31	25.99		
8.29	-1.71	32.31	25.99		
8.30	-1.71	32.31	25.99		
5.32	-1.71	32.31	25.99		
5.32	-1.70	32.31	25.99		
1.74	-1.70	32.31	25.99		
1.75	-1.70	32.31	25.99		

Station 030	Profile 2	Latitude	80.43	Longitude	-13.73
p / dbar	T / C	Salinity	Sigma-t		
297.48	0.66	34.72	27.84		
249.31	0.53	34.67	27.81		
233.98	0.50	34.66	27.81		
216.22	0.38	34.63	27.79		
199.78	0.24	34.58	27.75		
183.41	-0.01	34.48	27.69		
167.32	-0.18	34.37	27.60		
151.17	-0.51	34.17	27.46		
134.06	-1.14	33.51	26.95		
113.77	-1.51	32.85	26.43		
96.16	-1.70	32.47	26.12		

Station 031	Profile 0	Latitude	80.50	Longitude	-12.95
p / dbar	T / C	Salinity	Sigma-t		
250.40	0.58	34.69	27.82		
200.73	0.21	34.56	27.74		
151.05	-0.98	33.75	27.14		
100.52	-1.75	32.39	26.06		
75.76	-1.72	32.35	26.03		
50.90	-1.73	32.34	26.02		
34.72	-1.73	32.31	25.99		
26.02	-1.73	32.31	25.99		
14.48	-1.73	32.31	25.99		
10.57	-1.73	32.31	25.99		
4.74	-1.73	32.31	25.99		
2.08	-1.73	32.31	25.99		

Station 032	Profile 0	Latitude	80.62	Longitude	-11.30
p / dbar	T / C	Salinity	Sigma-t		
247.19	0.52	34.71	27.85		
244.76	0.53	34.71	27.84		
200.20	0.30	34.58	27.75		
200.45	0.31	34.59	27.76		
150.35	-0.28	34.37	27.61		
99.97	-1.71	32.37	26.04		
50.12	-1.74	32.25	25.94		
29.36	-1.70	32.18	25.89		

Station 032	Profile 1	Latitude	80.58	Longitude	-11.30
p / dbar	T / C	Salinity	Sigma-t		
234.75	0.56	34.69	27.83		
200.28	0.30	34.58	27.75		
150.40	-0.47	34.22	27.50		
99.93	-1.63	32.51	26.15		
74.44	-1.74	32.33	26.01		
50.68	-1.73	32.30	25.98		
34.74	-1.73	32.28	25.97		
24.53	-1.73	32.27	25.96		
15.09	-1.73	32.08	25.81		
9.74	-1.72	32.00	25.74		
5.30	-1.73	32.01	25.75		

Station 033	Profile 0	Latitude	81.00	Longitude	-10.05
p / dbar	T / C	Salinity	Sigma-t		
44.09	-1.58	31.31	25.18		
44.10	-1.58	31.32	25.18		
44.13	-1.58	31.32	25.18		
35.42	-1.58	31.25	25.13		
35.49	-1.58	31.30	25.17		
30.93	-1.59	31.22	25.10		
30.95	-1.59	31.21	25.10		
20.25	-1.61	31.09	25.00		
20.26	-1.62	31.08	24.99		
10.04	-1.60	31.04	24.96		
10.09	-1.62	31.04	24.96		
5.07	-1.55	31.03	24.95		

Station 033	Profile 1	Latitude	81.00	Longitude	-10.17
p / dbar	T / C	Salinity	Sigma-t		
39.72	-1.57	31.32	25.19		
39.70	-1.57	31.32	25.19		
20.49	-1.57	31.32	25.18		
20.50	-1.57	31.31	25.18		
7.29	-1.61	31.04	24.96		
7.25	-1.62	31.08	24.99		
4.14	-1.62	31.06	24.98		
4.15	-1.61	31.05	24.97		
1.97	-1.61	31.02	24.94		
1.93	-1.62	30.98	24.91		
1.91	-1.61	30.98	24.91		

Station 034	Profile 0	Latitude	81.08	Longitude	-10.47
p / dbar	T / C	Salinity	Sigma-t		
42.71	-1.49	31.70	25.49		
35.54	-1.48	31.69	25.48		
25.65	-1.42	31.59	25.40		
25.66	-1.42	31.59	25.40		
15.70	-1.39	31.55	25.37		
15.72	-1.39	31.55	25.37		
11.34	-1.38	31.54	25.36		
5.17	-1.40	31.51	25.34		
1.99	-1.39	31.52	25.34		

Station 035	Profile 0	Latitude	81.17	Longitude	-10.98
p / dbar	T / C	Salinity	Sigma-t		
64.21	-1.49	32.04	25.77		
43.06	-1.48	31.83	25.59		
43.04	-1.48	31.84	25.60		
35.75	-1.48	31.79	25.56		
35.76	-1.48	31.80	25.57		
35.78	-1.48	31.78	25.55		
25.19	-1.50	31.62	25.43		
15.23	-1.46	31.59	25.41		
10.05	-1.43	31.57	25.39		
5.20	-1.40	31.56	25.38		
1.68	-1.40	31.56	25.38		

Station 035	Profile 1	Latitude	81.17	Longitude	-10.98
p / dbar	T / C	Salinity	Sigma-t		
35.77	-1.53	31.78	25.56		
35.76	-1.51	31.79	25.57		
19.87	-1.47	31.60	25.41		
19.86	-1.49	31.61	25.42		
10.79	-1.46	31.59	25.40		
10.80	-1.45	31.59	25.40		
5.93	-1.44	31.60	25.41		
5.93	-1.44	31.59	25.41		
3.12	-1.43	31.58	25.39		
3.18	-1.38	31.56	25.37		
1.55	-1.34	31.55	25.37		
1.57	-1.34	31.55	25.37		

Station 036	Profile 0	Latitude	81.25	Longitude	-11.49
p / dbar	T / C	Salinity	Sigma-t		
35.05	-1.60	31.66	25.46		
34.61	-1.60	31.66	25.46		
30.17	-1.60	31.66	25.46		
30.16	-1.60	31.66	25.46		
24.82	-1.59	31.61	25.42		
20.29	-1.58	31.59	25.40		
13.40	-1.51	31.53	25.36		
14.89	-1.56	31.57	25.39		
10.35	-1.51	31.53	25.35		
5.23	-1.44	31.31	25.18		
1.33	-1.39	31.24	25.12		

Station 036	Profile 1	Latitude	81.24	Longitude	-11.51
p / dbar	T / C	Salinity	Sigma-t		
32.51	-1.60	31.71	25.50		
32.52	-1.59	31.72	25.51		
21.16	-1.59	31.63	25.44		
21.16	-1.58	31.63	25.44		
12.23	-1.56	31.58	25.40		
12.23	-1.56	31.59	25.40		
7.22	-1.49	31.45	25.29		
7.23	-1.46	31.40	25.24		
4.25	-1.42	31.32	25.18		
4.27	-1.42	31.31	25.18		
3.14	-1.41	31.28	25.15		
1.58	-1.41	31.28	25.15		

Station 037	Profile 0	Latitude	81.16	Longitude	-11.91
p / dbar	T / C	Salinity	Sigma-t		
29.01	-1.51	31.46	25.29		
25.36	-1.52	31.45	25.29		
23.14	-1.53	31.44	25.29		
14.78	-1.53	31.42	25.26		
9.64	-1.48	31.39	25.24		
4.85	-1.45	31.39	25.24		
1.71	-1.39	31.37	25.22		

Station 038	Profile 0	Latitude	81.08	Longitude	-12.47
p / dbar	T / C	Salinity	Sigma-t		
57.43	-1.46	31.97	25.71		
40.78	-1.44	31.48	25.31		
33.46	-1.45	31.46	25.29		
31.74	-1.47	31.45	25.28		
19.77	-1.47	31.34	25.20		
11.82	-1.36	31.30	25.16		
7.20	-1.36	31.30	25.16		
3.00	-1.36	31.30	25.17		
1.64	-1.38	31.31	25.17		

Station 039	Profile 0	Latitude	81.00	Longitude	-12.94
p / dbar	T / C	Salinity	Sigma-t		
28.20	-1.30	31.56	25.38		
20.77	-1.27	31.54	25.36		
12.37	-1.29	31.49	25.31		
6.85	-1.19	31.40	25.24		
3.54	-1.19	31.38	25.23		
1.47	-1.18	31.36	25.21		

Station 040	Profile 0	Latitude	80.88	Longitude	-13.07
p / dbar	T / C	Salinity	Sigma-t		
30.21	-1.25	31.57	25.38		
25.26	-1.16	31.52	25.34		
16.89	-1.07	31.49	25.31		
10.00	-1.04	31.47	25.29		
5.79	-1.06	31.47	25.30		
3.37	-1.01	31.46	25.28		
1.53	-1.01	31.46	25.28		
33.42	-1.31	31.62	25.42		
15.43	-1.15	31.52	25.34		
15.45	-1.14	31.52	25.33		

Station 041	Profile 0	Latitude	80.83	Longitude	-13.98
p / dbar	T / C	Salinity	Sigma-t		
152.77	0.13	34.43	27.64		
100.59	-1.18	33.09	26.61		
75.74	-1.55	32.59	26.22		
50.33	-1.67	32.19	25.89		
23.76	-1.06	31.40	25.24		
19.46	-1.02	31.39	25.23		
12.54	-0.98	31.39	25.23		
7.19	-0.94	31.38	25.22		
4.05	-0.95	31.39	25.22		
2.40	-0.94	31.39	25.22		
1.56	-0.96	31.38	25.22		

Station 042	Profile 0	Latitude	80.99	Longitude	-10.99
p / dbar	T / C	Salinity	Sigma-t		
50.80	-1.56	31.51	25.34		
39.35	-1.53	31.26	25.13		
34.81	-1.53	31.25	25.12		
29.11	-1.51	31.23	25.11		
25.58	-1.51	31.22	25.10		
21.95	-1.40	31.19	25.08		
13.52	-1.38	31.19	25.08		
8.28	-1.36	31.18	25.07		
5.55	-1.37	31.19	25.07		
1.80	-1.13	31.17	25.05		

Station 043	Profile 0	Latitude	81.25	Longitude	-11.50
p / dbar	T / C	Salinity	Sigma-t		
33.81	-1.57	31.59	25.40		
26.13	-1.57	31.58	25.40		
26.13	-1.57	31.58	25.40		
15.83	-1.54	31.54	25.37		
12.33	-1.54	31.54	25.36		
7.81	-1.52	31.50	25.33		
1.97	-1.51	31.49	25.32		
1.77	-1.52	31.49	25.32		

Station 044	Profile 0	Latitude	81.17	Longitude	-11.49
p / dbar	T / C	Salinity	Sigma-t		
37.32	-1.39	31.71	25.49		
33.91	-1.31	31.50	25.33		
20.51	-1.21	31.38	25.23		
10.44	-1.19	31.37	25.22		
6.28	-1.18	31.36	25.20		
4.14	-1.20	31.32	25.17		
1.66	-1.20	31.32	25.18		

Station 045	Profile 0	Latitude	81.07	Longitude	-11.53
p / dbar	T / C	Salinity	Sigma-t		
59.32	-1.57	32.51	26.15		
38.22	-1.69	31.98	25.72		
35.28	-1.69	31.97	25.71		
20.89	-1.56	31.39	25.24		
13.51	-1.49	31.30	25.16		
8.34	-1.50	31.27	25.15		
4.55	-1.51	31.27	25.14		
1.55	-1.50	31.27	25.14		

Station 046	Profile 0	Latitude	81.00	Longitude	-11.51
p / dbar	T / C	Salinity	Sigma-t		
94.34	-1.52	32.59	26.21		
36.56	-1.66	32.07	25.80		
32.69	-1.68	32.04	25.77		
32.69	-1.67	32.04	25.77		
25.64	-1.68	31.98	25.72		
15.69	-1.47	31.57	25.39		
10.73	-1.25	31.30	25.16		
4.85	-1.13	31.32	25.17		
1.56	-1.14	31.26	25.12		
75.18	-1.62	32.45	26.10		
51.19	-1.67	32.13	25.85		
36.51	-1.67	32.02	25.76		

Station 046	Profile 1	Latitude	81.00	Longitude	-11.57
p / dbar	T / C	Salinity	Sigma-t		
49.80	-1.67	32.09	25.81		
49.90	-1.67	32.09	25.81		
40.45	-1.67	32.05	25.78		
24.84	-1.56	31.76	25.54		
14.74	-1.37	31.51	25.33		
14.75	-1.39	31.53	25.35		
8.56	-1.24	31.39	25.23		
8.59	-1.22	31.36	25.21		
5.64	-1.21	31.36	25.21		
5.64	-1.20	31.35	25.20		
1.48	-1.05	31.31	25.17		
1.50	-1.16	31.34	25.19		

Station 047	Profile 0	Latitude	80.92	Longitude	-11.51
p / dbar	T / C	Salinity	Sigma-t		
221.04	-0.65	33.71	27.09		
200.72	-0.71	33.66	27.06		
150.27	-0.90	33.47	26.91		
100.35	-1.10	33.21	26.71		
75.49	-1.71	32.25	25.94		
43.45	-1.65	32.09	25.81		
35.03	-1.65	32.06	25.79		
22.32	-1.56	31.96	25.70		
14.17	-1.40	31.40	25.25		
7.07	-1.44	31.30	25.17		
3.73	-1.42	31.35	25.21		
1.54	-1.39	31.44	25.28		

Station 047	Profile 1	Latitude	80.94	Longitude	-11.54
p / dbar	T / C	Salinity	Sigma-t		
142.34	-0.96	33.41	26.86		
142.07	-0.93	33.44	26.89		
142.08	-0.94	33.43	26.88		
136.38	-0.98	33.39	26.85		
137.41	-0.97	33.40	26.86		
138.43	-0.96	33.41	26.86		
139.42	-0.95	33.42	26.87		
140.34	-0.94	33.43	26.88		
141.31	-0.92	33.45	26.90		
142.28	-0.90	33.48	26.92		
143.14	-0.90	33.48	26.92		
143.99	-0.89	33.50	26.93		

Station 048	Profile 0	Latitude	80.83	Longitude	-11.58
p / dbar	T / C	Salinity	Sigma-t		
280.30	-0.54	33.81	27.17		
200.07	-0.67	33.70	27.09		
149.91	-0.82	33.55	26.97		
99.57	-1.15	33.11	26.63		
74.97	-1.69	32.38	26.05		
38.58	-1.68	32.14	25.85		
29.88	-1.38	31.69	25.48		
18.58	-0.99	31.59	25.39		
10.94	-0.72	31.57	25.36		
6.03	-0.65	31.56	25.35		
4.20	-0.53	31.55	25.35		
1.49	-0.48	31.55	25.34		

Station 049	Profile 0	Latitude	80.75	Longitude	-11.56
p / dbar	T / C	Salinity	Sigma-t		
132.04	-0.92	33.36	26.82		
100.09	-1.50	32.69	26.29		
74.83	-1.75	32.35	26.02		
50.20	-1.75	32.33	26.01		
34.10	-1.74	32.30	25.98		
24.64	-1.72	32.26	25.95		
14.88	-1.70	32.18	25.89		
9.92	-1.70	32.14	25.85		
4.64	-1.70	32.12	25.84		
1.64	-1.70	32.16	25.87		

Station 051	Profile 0	Latitude	80.72	Longitude	-11.26
p / dbar	T / C	Salinity	Sigma-t		
119.94	-0.63	33.80	27.17		
99.91	-1.73	32.40	26.06		
74.29	-1.74	32.36	26.03		
49.58	-1.74	32.34	26.02		
40.33	-1.74	32.33	26.01		
40.35	-1.74	32.33	26.01		
34.87	-1.74	32.33	26.01		
24.75	-1.74	32.32	26.00		
14.96	-1.71	32.29	25.98		
9.74	-1.72	32.29	25.97		
5.00	-1.72	32.29	25.98		
2.10	-1.73	32.29	25.98		



Station 052	Profile 0	Latitude	80.79	Longitude	-12.50
p / dbar	T / C	Salinity	Sigma-t		
156.75	-0.54	33.78	27.15		
149.74	-0.63	33.70	27.08		
99.75	-1.03	33.26	26.74		
73.88	-1.64	32.43	26.09		
49.06	-1.69	32.29	25.97		
37.48	-1.68	32.19	25.89		
28.28	-1.61	32.05	25.78		
18.23	-1.13	31.56	25.37		
13.18	-0.59	31.45	25.26		
8.42	-0.42	31.44	25.25		
3.58	-0.38	31.44	25.24		
1.75	-0.36	31.44	25.24		

Station 053	Profile 0	Latitude	80.73	Longitude	-13.34
p / dbar	T / C	Salinity	Sigma-t		
146.00	0.35	34.60	27.76		
101.12	-1.18	33.12	26.64		
76.17	-1.69	32.39	26.06		
50.82	-1.69	32.21	25.91		
31.04	-1.64	32.10	25.82		
24.29	-1.59	32.04	25.77		
22.03	-1.55	31.95	25.70		
14.72	-1.54	31.90	25.66		
8.82	-1.36	31.74	25.52		
5.63	-1.38	31.77	25.54		
3.10	-1.14	31.69	25.48		
1.51	-1.25	31.77	25.54		

Station 054	Profile 0	Latitude	80.73	Longitude	-13.71
p / dbar	T / C	Salinity	Sigma-t		
205.38	0.46	34.65	27.80		
151.27	0.27	34.56	27.73		
100.50	-1.21	33.09	26.62		
75.87	-1.64	32.46	26.11		
50.90	-1.68	32.21	25.91		
28.17	-1.61	32.06	25.79		
22.69	-1.55	32.02	25.76		
12.60	-1.56	31.93	25.68		
6.32	-1.55	31.92	25.67		
3.09	-1.55	31.90	25.65		
2.57	-1.55	31.90	25.66		
1.67	-1.55	31.88	25.64		

Station 055	Profile 0	Latitude	80.80	Longitude	-14.02
p / dbar	T / C	Salinity	Sigma-t		
195.09	0.41	34.62	27.78		
150.77	0.21	34.50	27.69		
100.75	-1.17	33.08	26.61		
75.33	-1.56	32.59	26.21		
49.85	-1.62	32.46	26.11		
28.24	-1.50	31.86	25.62		
28.26	-1.49	31.86	25.62		
19.20	-1.38	31.56	25.37		
19.21	-1.39	31.53	25.36		
19.21	-1.40	31.53	25.35		
19.21	-1.40	31.53	25.35		
1.70	-0.56	31.37	25.20		

Station	Profile	Latitude	Longitude	p / dbar	T / C	Salinity	Sigma-t
Station 055	Profile 1	80.80	Longitude -14.03	24.33	-1.36	31.69	25.48
				24.37	-1.28	31.61	25.42
				17.33	-1.11	31.47	25.30
				17.35	-1.11	31.48	25.30
				11.10	-0.84	31.39	25.23
				11.12	-0.74	31.38	25.21
				7.35	-0.73	31.38	25.21
				7.36	-0.73	31.38	25.21
				4.69	-0.73	31.38	25.21
				4.70	-0.73	31.38	25.21
				1.81	-0.68	31.38	25.21
				1.83	-0.74	31.38	25.21
Station 056	Profile 0	80.87	Longitude -14.03	105.06	-0.76	33.56	26.98
				76.28	-1.41	32.80	26.38
				49.99	-1.65	32.39	26.06
				23.81	-1.38	31.63	25.44
				21.57	-1.34	31.58	25.39
				15.45	-0.95	31.48	25.30
				15.45	-0.94	31.48	25.30
				9.76	-0.50	31.47	25.28
				6.43	0.11	31.44	25.23
				3.35	0.13	31.44	25.23
				1.49	0.12	31.44	25.23
Station 057	Profile 0	80.64	Longitude -13.52	139.86	0.27	34.50	27.69
				99.93	-1.31	32.95	26.50
				74.85	-1.71	32.30	25.99
				50.88	-1.71	32.27	25.96
				34.51	-1.70	32.26	25.95
				24.89	-1.59	32.18	25.88
				14.43	-1.40	32.09	25.81
				9.90	-1.41	32.10	25.82
				5.03	-1.38	32.10	25.81
				1.90	-1.39	32.10	25.81
Station 058	Profile 0	80.53	Longitude -13.59	249.02	0.62	34.71	27.84
				199.91	0.51	34.67	27.82
				150.16	-0.11	34.38	27.61
				99.43	-1.69	32.57	26.20
				75.09	-1.75	32.41	26.07
				44.42	-1.74	32.34	26.02
				31.11	-1.73	32.33	26.01
				21.59	-1.72	32.32	26.00
				11.73	-1.70	32.32	26.00
				7.40	-1.70	32.31	26.00
				4.41	-1.67	32.30	25.98
				1.71	-1.67	32.30	25.98

Station 059	Profile 0	Latitude	80.45	Longitude	-13.68
p / dbar	T / C	Salinity	Sigma-t		
311.30	0.69	34.73	27.85		
201.30	0.24	34.55	27.73		
150.66	-0.73	34.00	27.33		
100.82	-1.70	32.56	26.19		
73.74	-1.76	32.42	26.08		
43.37	-1.72	32.36	26.03		
38.67	-1.72	32.36	26.03		
24.55	-1.71	32.35	26.03		
14.03	-1.66	32.34	26.02		
8.45	-1.50	32.33	26.01		
3.85	-1.43	32.33	26.00		
1.66	-1.43	32.33	26.00		

Station 059	Profile 1	Latitude	80.45	Longitude	-13.67
p / dbar	T / C	Salinity	Sigma-t		
316.20	0.69	34.73	27.85		
275.84	0.62	34.70	27.83		

Station 060	Profile 0	Latitude	80.30	Longitude	-13.58
p / dbar	T / C	Salinity	Sigma-t		
80.95	-1.77	32.46	26.11		
80.95	-1.77	32.46	26.11		
80.96	-1.77	32.46	26.11		
80.96	-1.77	32.46	26.11		
80.96	-1.77	32.46	26.11		
80.96	-1.77	32.46	26.11		
80.96	-1.77	32.46	26.11		
80.96	-1.77	32.46	26.11		
80.97	-1.77	32.46	26.11		
80.97	-1.77	32.46	26.11		
80.97	-1.77	32.46	26.11		
80.97	-1.77	32.46	26.11		
80.97	-1.77	32.46	26.11		
80.97	-1.77	32.46	26.11		

Station 060	Profile 1	Latitude	80.31	Longitude	-13.48
p / dbar	T / C	Salinity	Sigma-t		
250.85	0.42	34.64	27.79		
201.18	-0.06	34.45	27.67		
150.40	-1.08	33.71	27.11		
100.87	-1.72	32.52	26.17		
75.51	-1.75	32.46	26.12		
45.72	-1.75	32.41	26.07		
35.98	-1.74	32.39	26.06		
21.40	-1.72	32.38	26.05		
11.39	-1.67	32.36	26.03		
6.39	-1.67	32.36	26.03		
3.52	-1.65	32.35	26.02		
1.71	-1.65	32.35	26.02		

Station 060	Profile 3	Latitude	80.33	Longitude	-13.02
p / dbar	T / C	Salinity	Sigma-t		
199.40	-0.22	34.36	27.60		
199.40	-0.22	34.36	27.60		
199.41	-0.23	34.36	27.60		
199.41	-0.23	34.36	27.60		
199.41	-0.23	34.36	27.60		
199.42	-0.23	34.36	27.60		
77.38	-1.76	32.47	26.12		
77.38	-1.76	32.47	26.12		
77.38	-1.76	32.47	26.12		
77.38	-1.76	32.47	26.12		
77.38	-1.76	32.47	26.12		
77.38	-1.76	32.47	26.12		

Station 061	Profile 0	Latitude	80.67	Longitude	-14.11
p / dbar	T / C	Salinity	Sigma-t		
284.11	0.63	34.71	27.84		
200.56	0.41	34.63	27.78		
150.03	-0.31	34.24	27.51		
100.93	-1.58	32.70	26.31		
50.55	-1.74	32.37	26.04		
41.75	-1.74	32.36	26.03		
35.23	-1.72	32.35	26.02		
24.55	-1.73	32.34	26.02		
14.94	-1.72	32.33	26.01		
9.23	-1.69	32.32	26.00		
5.25	-1.67	32.31	25.99		
2.26	-1.69	32.32	26.00		

Station 062	Profile 0	Latitude	80.19	Longitude	-16.54
p / dbar	T / C	Salinity	Sigma-t		
155.76	0.08	34.41	27.63		
100.42	-1.29	33.22	26.72		
75.68	-1.72	32.49	26.14		
50.11	-1.74	32.31	25.99		
45.59	-1.74	32.29	25.97		
35.72	-1.74	32.21	25.91		
23.03	-1.70	32.15	25.86		
11.89	-1.66	32.08	25.80		
7.24	-1.50	31.95	25.70		
4.56	-1.48	31.96	25.70		
1.94	-1.44	31.95	25.69		

Station 063	Profile 0	Latitude	80.11	Longitude	-16.14
p / dbar	T / C	Salinity	Sigma-t		
199.21	0.43	34.63	27.78		
150.18	-0.32	34.29	27.55		
99.93	-1.65	32.68	26.29		
74.90	-1.74	32.46	26.12		
50.21	-1.72	32.39	26.06		
46.09	-1.72	32.38	26.05		
38.91	-1.71	32.36	26.03		
25.46	-1.72	32.31	26.00		
14.48	-1.17	32.27	25.95		
8.21	-1.16	32.27	25.95		
4.93	-1.13	32.28	25.95		
2.11	-1.08	32.27	25.95		

Station 064	Profile 0	Latitude	80.04	Longitude	-15.83
p / dbar	T / C	Salinity	Sigma-t		
400.01	0.73	34.74	27.85		
199.99	0.30	34.58	27.75		
150.35	-0.81	34.03	27.36		
99.78	-1.65	32.74	26.34		
74.43	-1.75	32.46	26.11		
45.20	-1.72	32.38	26.05		
37.98	-1.70	32.37	26.04		
24.16	-1.68	32.35	26.03		
13.80	-1.64	32.34	26.02		
7.75	-1.54	32.30	25.98		
4.51	-1.15	32.24	25.92		
1.68	-1.09	32.24	25.92		

Station 065	Profile 0	Latitude	79.96	Longitude	-15.50
p / dbar	T / C	Salinity	Sigma-t		
254.85	0.44	34.66	27.81		
200.51	-0.09	34.49	27.70		
150.21	-1.12	33.67	27.08		
99.51	-1.73	32.51	26.16		
75.23	-1.77	32.45	26.10		
36.58	-1.76	32.42	26.09		
31.72	-1.75	32.41	26.08		
21.18	-1.69	32.37	26.04		
12.22	-1.63	32.34	26.02		
7.40	-1.64	32.35	26.02		
4.00	-1.59	32.34	26.01		
1.68	-1.48	32.32	26.00		

Station 066	Profile 0	Latitude	79.88	Longitude	-15.20
p / dbar	T / C	Salinity	Sigma-t		
186.95	-0.29	34.29	27.55		
150.73	-1.14	33.45	26.90		
100.49	-1.66	32.64	26.26		
75.21	-1.77	32.45	26.11		
50.05	-1.76	32.44	26.10		
39.24	-1.75	32.43	26.09		
34.32	-1.73	32.43	26.09		
20.24	-1.66	32.43	26.09		
10.27	-1.71	32.42	26.08		
5.09	-1.50	32.42	26.08		
2.77	-1.38	32.42	26.07		
1.73	-1.40	32.41	26.07		

Station 067	Profile 0	Latitude	79.81	Longitude	-14.80
p / dbar	T / C	Salinity	Sigma-t		
81.80	-1.75	32.46	26.12		
75.42	-1.75	32.45	26.11		
51.01	-1.74	32.42	26.08		
35.81	-1.74	32.41	26.07		
32.03	-1.74	32.40	26.07		
22.77	-1.74	32.40	26.07		
13.35	-1.73	32.39	26.06		
7.79	-1.71	32.39	26.05		
3.57	-1.71	32.39	26.05		
1.67	-1.70	32.38	26.05		

Station 068	Profile 0	Latitude	79.75	Longitude	-14.44
p / dbar	T / C	Salinity	Sigma-t		
69.81	-1.74	32.41	26.07		
50.48	-1.74	32.41	26.07		
36.18	-1.74	32.41	26.07		
25.52	-1.74	32.41	26.07		
15.60	-1.74	32.41	26.07		
9.62	-1.75	32.40	26.06		
Station 069	Profile 0	Latitude	79.39	Longitude	-14.97
p / dbar	T / C	Salinity	Sigma-t		
52.46	-1.60	32.42	26.08		
40.59	-1.61	32.42	26.08		
40.53	-1.61	32.42	26.08		
30.78	-1.62	32.41	26.07		
20.80	-1.62	32.41	26.07		
10.91	-1.62	32.41	26.07		
5.28	-1.62	32.41	26.07		
Station 070	Profile 0	Latitude	79.41	Longitude	-15.62
p / dbar	T / C	Salinity	Sigma-t		
35.23	-1.75	32.43	26.09		
23.95	-1.74	32.43	26.09		
12.34	-1.73	32.44	26.09		
6.24	-1.71	32.44	26.09		
4.44	-1.72	32.44	26.09		
1.66	-1.71	32.44	26.09		
Station 071	Profile 0	Latitude	79.51	Longitude	-15.80
p / dbar	T / C	Salinity	Sigma-t		
111.55	-1.61	32.75	26.35		
100.32	-1.67	32.61	26.24		
75.40	-1.75	32.47	26.12		
53.85	-1.77	32.43	26.09		
46.91	-1.77	32.43	26.09		
24.17	-1.75	32.42	26.08		
13.68	-1.73	32.42	26.08		
7.84	-1.70	32.42	26.08		
4.42	-1.65	32.42	26.08		
1.69	-1.64	32.42	26.08		

Station 072	Profile 0	Latitude	79.60	Longitude	-16.02
p / dbar	T / C	Salinity	Sigma-t		
184.24	-0.27	34.34	27.59		
149.81	-1.27	33.43	26.89		
99.83	-1.68	32.62	26.24		
74.78	-1.76	32.47	26.12		
58.54	-1.77	32.44	26.10		
51.64	-1.77	32.43	26.09		
25.78	-1.74	32.42	26.09		
15.18	-1.70	32.43	26.09		
9.54	-1.69	32.43	26.09		
5.64	-1.69	32.42	26.09		
1.78	-1.70	32.43	26.09		

Station 073	Profile 0	Latitude	79.69	Longitude	-16.27
p / dbar	T / C	Salinity	Sigma-t		
299.71	0.69	34.74	27.85		
199.68	-0.32	34.39	27.63		
150.24	-1.05	33.76	27.15		
99.80	-1.69	32.61	26.24		
74.96	-1.77	32.47	26.12		
46.66	-1.77	32.44	26.10		
38.03	-1.77	32.44	26.10		
23.55	-1.76	32.43	26.09		
13.37	-1.74	32.43	26.09		
7.72	-1.73	32.44	26.10		
5.09	-1.58	32.44	26.09		
1.90	-1.68	32.44	26.09		

Station 074	Profile 0	Latitude	79.80	Longitude	-16.57
p / dbar	T / C	Salinity	Sigma-t		
245.88	0.78	34.76	27.87		
200.49	0.34	34.59	27.76		
150.11	-0.38	34.22	27.50		
100.19	-1.73	32.51	26.16		
51.37	-1.76	32.41	26.08		
45.42	-1.76	32.41	26.08		
36.67	-1.77	32.40	26.07		
20.80	-1.77	32.39	26.06		
12.74	-1.75	32.39	26.06		
7.79	-1.74	32.39	26.06		
3.96	-1.74	32.39	26.06		
1.70	-1.69	32.39	26.06		

Station 075	Profile 0	Latitude	79.91	Longitude	-16.97
p / dbar	T / C	Salinity	Sigma-t		
276.36	0.84	34.79	27.89		
200.60	0.23	34.56	27.74		
150.07	-0.25	34.35	27.59		
99.43	-1.69	32.63	26.25		
50.34	-1.76	32.41	26.08		
38.56	-1.74	32.35	26.03		
34.07	-1.74	32.33	26.01		
24.23	-1.75	32.31	25.99		
15.33	-1.74	32.32	26.00		
8.76	-1.75	32.30	25.98		
5.63	-1.71	32.31	25.99		
1.84	-1.65	32.31	25.99		

Station 076	Profile 0	Latitude	79.99	Longitude	-17.10
p / dbar	T / C	Salinity	Sigma-t		
114.81	-0.62	33.85	27.21		
101.07	-0.96	33.44	26.89		
76.29	-1.62	32.48	26.13		
50.93	-1.75	32.17	25.88		
39.69	-1.75	32.14	25.85		
32.82	-1.73	32.12	25.83		
24.57	-1.71	32.07	25.80		
16.06	-1.54	32.02	25.75		
11.87	-1.45	32.00	25.73		
10.53	-1.34	31.99	25.73		
7.76	-1.30	31.98	25.71		
1.61	-1.31	32.01	25.74		

Station 077	Profile 0	Latitude	80.10	Longitude	-15.73
p / dbar	T / C	Salinity	Sigma-t		
402.16	0.73	34.74	27.85		
350.90	0.70	34.73	27.85		
299.83	0.65	34.72	27.84		
200.74	0.14	34.50	27.70		
100.77	-1.68	32.61	26.23		
55.39	-1.76	32.41	26.07		
41.71	-1.75	32.38	26.05		
25.13	-1.62	32.35	26.02		
14.73	-1.31	32.33	26.00		
8.03	-1.12	32.32	25.99		
4.26	-1.08	32.33	25.99		
2.00	-1.15	32.33	25.99		

Station 080	Profile 0	Latitude	80.23	Longitude	-13.85
p / dbar	T / C	Salinity	Sigma-t		
207.22	-0.17	34.39	27.62		
150.01	-1.29	33.41	26.88		
101.02	-1.66	32.71	26.32		
74.93	-1.76	32.47	26.13		
48.45	-1.77	32.45	26.11		
37.56	-1.77	32.45	26.11		
24.59	-1.78	32.45	26.11		
14.14	-1.77	32.44	26.10		
8.92	-1.74	32.41	26.08		
4.04	-1.74	32.42	26.08		
1.78	-1.73	32.42	26.08		

Station 081	Profile 0	Latitude	81.01	Longitude	9.57
p / dbar	T / C	Salinity	Sigma-t		
73.38	-1.42	32.96	26.51		
51.01	-1.66	31.76	25.54		
35.26	-1.66	31.52	25.35		
20.55	-1.44	31.10	25.00		
10.39	-1.23	31.08	24.98		
8.71	-1.17	31.08	24.98		
3.25	-1.16	31.07	24.98		
2.17	-1.15	31.07	24.98		



Station 082	Profile 0	Latitude	80.94	Longitude	-9.75
p / dbar	T / C	Salinity	Sigma-t		
42.74	-1.59	31.63	25.44		
36.38	-1.51	31.50	25.33		
28.57	-1.48	31.44	25.28		
28.64	-1.49	31.44	25.28		
28.64	-1.49	31.44	25.28		
22.68	-1.56	31.33	25.19		
13.15	-1.43	31.11	25.01		
7.44	-1.42	31.08	24.98		
4.30	-1.40	31.06	24.97		
1.82	-1.16	31.00	24.91		

Station 083	Profile 0	Latitude	80.83	Longitude	-9.48
p / dbar	T / C	Salinity	Sigma-t		
46.90	-1.57	31.70	25.49		
38.68	-1.57	31.69	25.48		
34.04	-1.56	31.66	25.46		
24.24	-1.54	31.55	25.37		
15.68	-1.39	31.12	25.02		
11.82	-1.36	31.02	24.93		
6.40	-1.26	30.97	24.89		
1.66	-1.25	30.96	24.88		

Station 084	Profile 0	Latitude	80.69	Longitude	-9.32
p / dbar	T / C	Salinity	Sigma-t		
41.08	-1.57	31.49	25.32		
34.46	-1.57	31.49	25.32		
32.39	-1.57	31.49	25.32		
26.63	-1.57	31.49	25.32		
18.49	-1.57	31.49	25.32		
13.61	-1.57	31.48	25.32		
9.60	-1.53	31.47	25.31		
1.74	-1.53	31.47	25.30		

Station 085	Profile 0	Latitude	80.59	Longitude	-9.36
p / dbar	T / C	Salinity	Sigma-t		
257.29	0.37	34.78	27.91		
200.38	0.30	34.70	27.85		
98.82	-0.85	33.84	27.21		
75.41	-1.67	32.38	26.05		
58.22	-1.62	32.06	25.79		
58.24	-1.62	32.06	25.79		
58.24	-1.62	32.06	25.79		
46.31	-1.63	31.82	25.59		
46.35	-1.63	31.81	25.59		
25.68	-1.65	31.51	25.34		
9.67	-1.57	31.42	25.26		
2.13	-1.55	31.40	25.25		

Station 085	Profile 1	Latitude	80.59	Longitude	-9.39
p / dbar	T / C	Salinity	Sigma-t		
35.72	-1.63	31.78	25.56		
35.72	-1.63	31.78	25.56		
24.21	-1.65	31.57	25.39		
24.23	-1.65	31.57	25.39		
12.94	-1.59	31.43	25.27		
12.97	-1.59	31.44	25.28		
6.89	-1.57	31.43	25.27		
6.91	-1.56	31.43	25.27		
4.41	-1.56	31.43	25.27		
4.40	-1.58	31.43	25.27		
1.94	-1.55	31.43	25.28		
1.93	-1.51	31.43	25.27		

Station 085	Profile 2	Latitude	80.60	Longitude	-9.36
p / dbar	T / C	Salinity	Sigma-t		
249.73	0.37	34.78	27.91		
200.88	0.32	34.72	27.86		
150.90	0.12	34.57	27.75		
126.35	-0.34	34.29	27.55		
102.37	-0.83	34.00	27.34		
98.39	-0.86	33.95	27.30		
45.21	-1.60	31.97	25.71		
45.22	-1.60	31.96	25.71		
45.23	-1.61	31.95	25.70		
45.21	-1.61	31.95	25.70		
45.22	-1.61	31.95	25.70		

Station 086	Profile 0	Latitude	81.25	Longitude	-11.50
p / dbar	T / C	Salinity	Sigma-t		
32.64	-1.48	31.26	25.13		
19.95	-1.51	31.24	25.11		
12.47	-1.51	31.23	25.11		
6.89	-1.51	31.23	25.11		
3.54	-1.44	31.24	25.12		
2.05	-1.46	31.24	25.12		

Station 087	Profile 0	Latitude	81.17	Longitude	-11.48
p / dbar	T / C	Salinity	Sigma-t		
43.58	-1.35	31.45	25.29		
20.88	-1.15	31.23	25.10		
16.62	-1.14	31.23	25.10		
10.92	-1.14	31.23	25.10		
6.35	-1.05	31.23	25.10		
4.13	-1.10	31.23	25.10		
2.03	-1.08	31.23	25.10		

Station 088	Profile 0	Latitude	81.07	Longitude	-11.47
p / dbar	T / C	Salinity	Sigma-t		
57.33	-1.41	32.44	26.09		
49.63	-1.42	32.12	25.83		
21.91	-0.89	31.36	25.20		
17.13	-0.74	31.28	25.13		
35.16	-1.33	31.68	25.47		
12.56	-0.78	31.27	25.12		
5.74	-0.74	31.22	25.08		
4.50	-0.73	31.22	25.08		
2.44	-0.69	31.23	25.09		
1.56	-0.73	31.23	25.09		

Station 089	Profile 0	Latitude	81.00	Longitude	-11.51
p / dbar	T / C	Salinity	Sigma-t		
98.06	-1.16	33.10	26.62		
75.26	-1.28	32.90	26.46		
42.90	-1.63	32.13	25.84		
42.94	-1.63	32.13	25.85		
30.62	-1.65	31.90	25.66		
20.42	-1.64	31.86	25.62		
18.62	-1.58	31.83	25.60		
12.39	-1.23	31.65	25.44		
10.84	-1.17	31.52	25.34		
10.83	-1.16	31.48	25.31		
10.84	-1.15	31.43	25.27		
1.67	-1.15	31.30	25.16		

Station 089	Profile 1	Latitude	80.99	Longitude	-11.57
p / dbar	T / C	Salinity	Sigma-t		
24.30	-1.63	31.86	25.62		
20.61	-1.59	31.84	25.61		
15.53	-1.39	31.75	25.53		
15.50	-1.39	31.75	25.53		
11.15	-1.22	31.51	25.33		
11.16	-1.24	31.56	25.37		
7.92	-1.17	31.27	25.14		
7.92	-1.16	31.28	25.14		
3.42	-1.18	31.33	25.18		
3.45	-1.19	31.35	25.20		
2.00	-1.22	31.44	25.28		
1.99	-1.18	31.33	25.19		

Station 090	Profile 0	Latitude	80.92	Longitude	-11.45
p / dbar	T / C	Salinity	Sigma-t		
211.20	-0.66	33.73	27.11		
151.19	-0.76	33.61	27.02		
101.38	-1.02	33.31	26.79		
76.62	-1.28	32.91	26.47		
51.02	-1.67	32.35	26.03		
24.45	-1.37	31.80	25.57		
19.88	-1.36	31.41	25.25		
15.35	-1.39	31.37	25.22		
9.68	-1.39	31.38	25.23		
5.09	-1.39	31.38	25.23		
2.73	-1.37	31.37	25.22		
1.75	-1.23	31.38	25.22		

Station 091	Profile 0	Latitude	80.83	Longitude	-11.52
p / dbar	T / C	Salinity	Sigma-t		
270.47	-0.55	33.87	27.22		
201.45	-0.62	33.76	27.13		
146.88	-0.76	33.61	27.02		
100.77	-1.00	33.32	26.79		
75.34	-1.63	32.46	26.11		
50.93	-1.69	32.23	25.93		
20.29	-1.39	31.84	25.60		
12.66	-1.39	31.83	25.60		
7.55	-1.37	31.82	25.58		
4.51	-1.37	31.82	25.58		
1.84	-1.36	31.81	25.57		
1.81	-1.34	31.79	25.56		

Station 092	Profile 0	Latitude	80.75	Longitude	-11.49
p / dbar	T / C	Salinity	Sigma-t		
130.37	-0.80	33.57	26.99		
100.86	-1.44	32.99	26.54		
75.20	-1.75	32.43	26.09		
51.46	-1.73	32.33	26.01		
46.86	-1.70	32.27	25.96		
36.41	-1.68	32.23	25.93		
21.41	-1.66	32.23	25.92		
12.64	-1.66	32.22	25.92		
7.55	-1.64	32.22	25.92		
4.43	-1.65	32.23	25.92		
1.56	-1.65	32.23	25.92		

Station 093	Profile 0	Latitude	80.67	Longitude	-11.60
p / dbar	T / C	Salinity	Sigma-t		
227.39	0.46	34.70	27.84		
149.62	-0.29	34.31	27.56		
99.58	-1.72	32.55	26.18		
74.87	-1.77	32.45	26.11		
41.02	-1.76	32.44	26.10		
41.07	-1.76	32.44	26.10		
25.08	-1.74	32.40	26.07		
18.91	-1.69	32.32	26.00		
9.81	-1.69	32.31	25.99		
9.83	-1.68	32.30	25.99		
4.50	-1.68	32.31	25.99		
1.76	-1.68	32.32	26.00		

Station 093	Profile 1	Latitude	80.66	Longitude	-11.60
p / dbar	T / C	Salinity	Sigma-t		
35.85	-1.74	32.43	26.09		
35.86	-1.74	32.43	26.09		
20.35	-1.70	32.34	26.02		
20.35	-1.70	32.34	26.02		
11.53	-1.71	32.36	26.03		
11.56	-1.70	32.35	26.03		
6.60	-1.70	32.35	26.02		
6.63	-1.70	32.33	26.01		
3.67	-1.68	32.31	25.99		
3.66	-1.68	32.30	25.98		
1.58	-1.68	32.30	25.99		
1.60	-1.68	32.30	25.99		

Station 094	Profile 0	Latitude	80.58	Longitude	-11.26
p / dbar	T / C	Salinity	Sigma-t		
241.63	0.37	34.75	27.88		
199.33	0.18	34.57	27.75		
151.30	-0.59	34.11	27.42		
126.50	-1.25	33.30	26.79		
109.79	-1.70	32.65	26.26		
101.26	-1.73	32.53	26.17		
89.67	-1.76	32.48	26.13		
79.45	-1.76	32.46	26.12		
70.06	-1.77	32.45	26.11		
50.74	-1.77	32.44	26.10		
27.28	-1.77	32.43	26.09		
10.55	-1.75	32.38	26.05		

Station 094	Profile 1	Latitude	80.52	Longitude	-10.98
p / dbar	T / C	Salinity	Sigma-t		
272.89	0.39	34.81	27.93		
228.53	0.51	34.69	27.82		
200.02	0.28	34.58	27.75		
174.66	-0.12	34.40	27.63		
150.67	-0.67	34.04	27.36		
124.46	-1.50	33.06	26.60		
100.60	-1.71	32.56	26.19		
74.28	-1.77	32.45	26.11		
50.58	-1.77	32.42	26.08		
26.55	-1.76	32.41	26.07		
15.60	-1.76	32.37	26.05		

Station 095	Profile 0	Latitude	80.45	Longitude	-13.68
p / dbar	T / C	Salinity	Sigma-t		
319.87	0.67	34.72	27.84		
275.69	0.64	34.71	27.84		
199.56	0.17	34.53	27.71		
100.17	-1.69	32.59	26.22		
74.64	-1.77	32.44	26.10		
49.53	-1.73	32.42	26.08		
40.66	-1.73	32.40	26.07		
26.04	-1.48	32.37	26.04		
15.09	-1.12	32.28	25.95		
8.43	-0.93	32.18	25.87		
5.12	-0.93	32.17	25.86		
1.94	-0.94	32.18	25.87		

Station 095	Profile 1	Latitude	80.45	Longitude	-13.64
p / dbar	T / C	Salinity	Sigma-t		
93.67	-1.72	32.51	26.15		
20.02	-1.10	32.32	25.98		
20.05	-1.07	32.32	25.98		
20.06	-1.11	32.32	25.99		
20.06	-1.09	32.32	25.98		
20.08	-1.17	32.33	25.99		
20.08	-1.08	32.34	26.00		
20.08	-1.08	32.34	26.00		
20.08	-1.07	32.34	26.00		
20.08	-1.10	32.33	25.99		
20.07	-1.05	32.33	25.99		
20.08	-0.95	32.32	25.98		

Station 098	Profile 0	Latitude	78.94	Longitude	13.61
p / dbar	T / C	Salinity	Sigma-t		
158.68	-0.95	33.62	27.03		
100.58	-1.77	32.46	26.11		
75.13	-1.76	32.44	26.10		
50.92	-1.75	32.39	26.06		
30.59	-1.74	32.31	25.99		
25.05	-1.74	32.28	25.97		
18.24	-1.72	32.08	25.80		
10.61	-1.72	32.05	25.78		
6.49	-1.72	32.07	25.79		
4.13	-1.72	32.05	25.78		
1.93	-1.71	32.04	25.77		

Station 099	Profile 0	Latitude	78.90	Longitude	-12.09
p / dbar	T / C	Salinity	Sigma-t		
250.07	0.06	34.54	27.73		
199.44	-0.18	34.38	27.61		
149.82	-1.17	33.38	26.85		
99.85	-1.71	32.42	26.08		
74.37	-1.74	32.33	26.01		
53.25	-1.74	32.21	25.91		
39.12	-1.74	32.17	25.88		
22.83	-1.73	32.13	25.85		
13.02	-1.71	32.06	25.79		
7.64	-1.71	32.00	25.74		
3.73	-1.71	32.01	25.75		
1.74	-1.70	32.01	25.75		

Station 100	Profile 0	Latitude	78.76	Longitude	-9.84
p / dbar	T / C	Salinity	Sigma-t		
409.45	0.25	34.63	27.79		
300.62	0.12	34.57	27.75		
200.13	-0.56	34.30	27.57		
149.16	-1.52	33.91	27.29		
99.62	-1.68	33.30	26.80		
48.66	-1.69	31.91	25.67		
38.78	-1.69	31.84	25.61		
27.53	-1.69	31.78	25.56		
17.50	-1.69	31.77	25.55		
10.59	-1.68	31.73	25.52		
6.57	-1.68	31.73	25.52		
1.98	-1.67	31.72	25.51		

Station 101	Profile 0	Latitude	78.69	Longitude	-8.36
p / dbar	T / C	Salinity	Sigma-t		
180.69	-1.17	34.12	27.44		
150.01	-1.55	33.96	27.33		
99.78	-1.74	33.56	27.00		
75.06	-1.53	32.89	26.46		
47.90	-1.69	32.05	25.78		
36.91	-1.67	31.95	25.70		
23.88	-1.65	31.92	25.67		
13.30	-1.60	31.87	25.64		
7.71	-1.38	31.85	25.61		
4.57	-1.39	31.85	25.61		
1.91	-1.33	31.85	25.61		

Station 102	Profile 0	Latitude	78.64	Longitude	-6.97
p / dbar	T / C	Salinity	Sigma-t		
217.88	-0.21	34.47	27.69		
150.56	-1.65	33.92	27.30		
100.23	-1.70	33.64	27.08		
75.78	-1.56	33.25	26.75		
50.78	-1.71	32.37	26.04		
35.85	-1.73	32.30	25.98		
31.71	-1.72	32.30	25.98		
21.22	-1.70	32.27	25.96		
10.97	-1.54	32.01	25.74		
5.69	-1.20	31.92	25.67		
3.24	-1.25	31.94	25.68		
1.71	-1.29	31.95	25.69		

Station 103	Profile 0	Latitude	78.60	Longitude	-5.80
p / dbar	T / C	Salinity	Sigma-t		
304.64	0.97	34.87	27.94		
200.68	1.01	34.71	27.81		
150.89	-0.82	34.29	27.57		
100.78	-1.77	33.85	27.25		
50.29	-1.77	33.49	26.95		
32.31	-1.57	32.47	26.12		
28.55	-1.63	32.13	25.84		
20.22	-1.63	31.87	25.63		
10.49	-1.60	31.71	25.50		
6.23	-1.53	31.67	25.47		
3.30	-1.59	31.73	25.52		
1.71	-1.59	31.72	25.51		

Station 104	Profile 0	Latitude	78.37	Longitude	-4.61
p / dbar	T / C	Salinity	Sigma-t		
892.10	-0.08	34.89	28.02		
752.06	0.04	34.88	28.01		
600.91	0.29	34.87	27.99		
498.02	1.27	34.94	27.98		
299.16	1.82	34.94	27.94		
201.32	0.66	34.77	27.88		
120.24	-0.31	34.50	27.72		
75.32	-1.66	34.04	27.40		
55.48	-1.60	33.92	27.30		
35.59	-1.65	33.56	27.01		
14.90	-1.65	32.72	26.32		
1.81	-1.63	32.63	26.25		

Station 105	Profile 0	Latitude	78.25	Longitude	-4.19
p / dbar	T / C	Salinity	Sigma-t		
1984.97	-0.68	34.92	28.07		
1000.44	-0.25	34.89	28.03		
750.04	0.23	34.89	28.01		
500.28	1.45	34.96	27.98		
299.07	2.33	35.01	27.95		
123.72	2.80	34.94	27.85		
99.87	1.99	34.78	27.80		
74.97	0.08	34.50	27.70		
49.62	-1.24	34.04	27.38		
34.92	-1.31	33.93	27.29		
14.87	-1.44	33.37	26.85		
1.64	-1.46	33.42	26.89		

Station 106	Profile 0	Latitude	75.00	Longitude	-3.01
p / dbar	T / C	Salinity	Sigma-t		
2999.59	-1.01	34.89	28.07		
2999.79	-1.01	34.89	28.07		
2999.49	-1.02	34.89	28.07		
2999.78	-1.02	34.89	28.07		
2999.67	-1.02	34.89	28.07		
2999.59	-1.02	34.89	28.07		
2999.52	-1.02	34.89	28.07		
2999.45	-1.02	34.89	28.07		
2999.19	-1.02	34.89	28.07		
2999.28	-1.02	34.89	28.07		
2999.13	-1.02	34.89	28.07		
2999.07	-1.02	34.89	28.07		

Station 108	Profile 0	Latitude	75.00	Longitude	-3.01
p / dbar	T / C	Salinity	Sigma-t		
211.02	-1.02	34.84	28.02		
211.38	-1.01	34.84	28.02		
150.93	-1.46	34.80	28.01		
100.62	-0.95	34.81	28.00		
50.23	-0.85	34.75	27.94		
50.35	-0.87	34.75	27.94		
50.28	-0.84	34.75	27.94		
50.37	-0.81	34.75	27.94		
17.70	0.44	34.73	27.86		
17.75	0.61	34.73	27.85		
17.65	1.21	34.71	27.80		
17.76	1.20	34.72	27.80		

Station 108	Profile 1	Latitude	74.99	Longitude	-3.00
p / dbar	T / C	Salinity	Sigma-t		
28.54	-0.32	34.74	27.91		
28.55	-0.32	34.74	27.91		
17.19	1.16	34.71	27.80		
17.25	1.29	34.72	27.80		
10.25	1.66	34.70	27.76		
10.18	1.67	34.70	27.76		
6.22	1.66	34.71	27.76		
6.28	1.65	34.71	27.76		
2.82	1.76	34.71	27.75		
2.96	1.66	34.71	27.76		
2.66	1.72	34.70	27.76		
2.63	1.70	34.70	27.76		

Station 108	Profile 2	Latitude	74.98	Longitude	-2.98
p / dbar	T / C	Salinity	Sigma-t		
2999.89	-1.01	34.89	28.07		
3000.19	-1.01	34.89	28.07		
3000.06	-1.01	34.89	28.07		
3000.16	-1.01	34.89	28.07		
3000.11	-1.01	34.89	28.07		
3000.06	-1.01	34.89	28.07		
2999.96	-1.01	34.89	28.07		
3000.06	-1.01	34.89	28.07		
3000.03	-1.01	34.89	28.07		
2999.97	-1.01	34.89	28.07		
3000.07	-1.01	34.89	28.07		
3000.01	-1.01	34.89	28.07		



Station 109	Profile 0	Latitude	76.32	Longitude	-6.83
p / dbar	T / C	Salinity	Sigma-t		
1729.29	-0.83	34.91	28.07		
1730.46	-0.83	34.91	28.07		
149.58	0.50	34.85	27.95		
100.94	1.43	34.89	27.93		
49.83	1.25	34.73	27.81		
49.85	1.25	34.73	27.81		
30.33	0.41	34.30	27.52		
30.33	0.39	34.30	27.52		
30.36	0.40	34.30	27.52		
30.33	0.38	34.29	27.51		
20.83	0.68	34.01	27.27		
20.86	0.65	34.02	27.28		

Station 109	Profile 1	Latitude	76.31	Longitude	-6.86
p / dbar	T / C	Salinity	Sigma-t		
33.45	0.61	34.43	27.61		
33.49	0.54	34.41	27.60		
26.72	0.33	34.15	27.40		
26.70	0.33	34.15	27.40		
14.81	1.10	33.63	26.93		
14.81	1.09	33.63	26.94		
7.94	-0.09	33.20	26.66		
7.95	-0.08	33.19	26.65		
3.56	-0.05	33.18	26.64		
3.58	-0.09	33.18	26.64		
1.65	-0.08	33.18	26.64		
1.66	-0.08	33.18	26.64		

Station 110	Profile 0	Latitude	76.51	Longitude	-7.23
p / dbar	T / C	Salinity	Sigma-t		
1027.81	-0.52	34.90	28.06		
1027.94	-0.52	34.90	28.06		
150.52	0.78	34.64	27.77		
100.70	-1.20	34.11	27.44		
73.33	-1.64	33.94	27.31		
73.45	-1.64	33.94	27.31		
49.86	-1.66	33.79	27.19		
49.83	-1.64	33.79	27.19		
23.37	-1.58	33.24	26.75		
23.42	-1.58	33.25	26.76		
23.40	-1.58	33.25	26.75		
23.42	-1.59	33.28	26.78		

Station 110	Profile 1	Latitude	76.49	Longitude	-7.24
p / dbar	T / C	Salinity	Sigma-t		
26.27	-1.56	33.34	26.83		
26.34	-1.57	33.39	26.86		
19.50	-1.56	33.21	26.72		
19.52	-1.55	33.20	26.71		
11.25	-1.19	32.52	26.15		
11.26	-1.12	32.50	26.13		
6.29	-1.06	32.46	26.10		
6.28	-1.06	32.47	26.10		
3.60	-1.06	32.46	26.10		
3.62	-1.06	32.46	26.10		
1.57	-1.06	32.47	26.10		
1.56	-1.06	32.47	26.10		

Station 111	Profile 0	Latitude	76.58	Longitude	7.52
p / dbar	T / C	Salinity	Sigma-t		
464.16	0.28	34.89	28.00		
200.28	1.35	34.75	27.82		
151.02	-0.98	34.24	27.53		
100.18	-1.78	33.98	27.35		
49.16	-1.68	33.65	27.08		
33.58	-1.62	33.48	26.94		
28.64	-1.63	33.44	26.91		
18.47	-1.62	33.35	26.84		
11.67	-1.57	33.27	26.76		
6.76	-1.22	32.55	26.18		
3.47	-1.21	32.54	26.17		
2.27	-1.20	32.51	26.14		

Station 112	Profile 0	Latitude	76.74	Longitude	-8.29
p / dbar	T / C	Salinity	Sigma-t		
343.06	1.08	34.89	27.95		
199.35	-0.10	34.56	27.76		
150.53	-1.18	34.25	27.55		
100.54	-1.76	34.06	27.41		
50.93	-1.61	33.64	27.07		
46.64	-1.61	33.62	27.05		
41.86	-1.64	33.53	26.99		
28.15	-1.52	33.02	26.57		
17.45	-1.50	32.61	26.23		
10.30	-1.50	32.61	26.23		
6.61	-1.50	32.59	26.22		
1.92	-1.50	32.60	26.22		

Station 113	Profile 0	Latitude	76.87	Longitude	-8.99
p / dbar	T / C	Salinity	Sigma-t		
357.22	1.02	34.89	27.96		
200.48	0.12	34.60	27.78		
150.96	-0.90	34.33	27.60		
101.13	-1.70	34.07	27.42		
50.10	-1.66	33.63	27.07		
48.26	-1.62	33.59	27.03		
40.67	-1.47	33.31	26.80		
23.46	-1.58	32.44	26.10		
12.78	-1.60	32.34	26.01		
9.54	-1.61	32.33	26.01		
6.14	-1.60	32.33	26.01		
2.13	-1.60	32.33	26.00		

Station 114	Profile 0	Latitude	77.04	Longitude	-9.61
p / dbar	T / C	Salinity	Sigma-t		
389.75	0.88	34.89	27.97		
200.38	-0.05	34.56	27.75		
150.72	-1.03	34.30	27.59		
100.36	-1.72	34.04	27.40		
48.67	-1.51	33.53	26.97		
35.42	-1.41	33.00	26.54		
30.24	-1.53	32.49	26.13		
20.37	-1.57	32.24	25.93		
11.63	-1.57	32.21	25.91		
6.28	-1.56	32.20	25.90		
3.74	-1.56	32.20	25.90		
1.85	-1.56	32.21	25.91		

Station 115 Profile 0 Latitude 77.17 Longitude -10.49			
p / dbar	T / C	Salinity	Sigma-t
467.29	0.80	34.90	27.98
467.29	0.80	34.90	27.98
149.34	-0.99	34.30	27.59
100.93	-1.49	34.06	27.41
50.77	-1.47	33.14	26.66
50.80	-1.46	33.17	26.69
30.72	-1.61	32.31	25.99
30.73	-1.61	32.31	25.99
20.55	-1.61	32.19	25.89
20.55	-1.61	32.17	25.88
20.55	-1.61	32.13	25.85
20.57	-1.61	32.14	25.85
Station 115 Profile 1 Latitude 77.17 Longitude -10.49			
p / dbar	T / C	Salinity	Sigma-t
35.85	-1.60	32.35	26.02
35.85	-1.60	32.35	26.02
23.42	-1.61	32.27	25.96
23.43	-1.61	32.26	25.95
14.27	-1.62	32.18	25.88
14.26	-1.61	32.18	25.88
7.89	-1.61	32.12	25.84
7.90	-1.61	32.13	25.85
5.21	-1.61	32.13	25.84
5.24	-1.61	32.14	25.85
1.81	-1.62	32.13	25.84
1.80	-1.62	32.14	25.85
Station 115 Profile 2 Latitude 77.17 Longitude -10.49			
p / dbar	T / C	Salinity	Sigma-t
473.68	0.80	34.90	27.98
424.12	0.85	34.89	27.97
100.36	-1.45	34.06	27.41
100.39	-1.45	34.06	27.41
100.40	-1.45	34.06	27.41
100.40	-1.45	34.06	27.41
100.41	-1.45	34.06	27.41
100.41	-1.44	34.06	27.41
20.14	-1.64	32.12	25.84
20.17	-1.65	32.12	25.83
20.18	-1.65	32.12	25.83
1.68	-1.62	32.07	25.80
Station 116 Profile 0 Latitude 77.30 Longitude -11.33			
p / dbar	T / C	Salinity	Sigma-t
478.09	0.83	34.89	27.97
199.11	-0.14	34.53	27.74
149.46	-1.30	34.21	27.53
99.86	-1.57	34.03	27.38
48.57	-1.50	33.43	26.89
31.68	-1.64	32.30	25.98
27.96	-1.64	32.22	25.91
19.17	-1.60	31.88	25.64
10.89	-1.60	31.89	25.65
6.16	-1.59	31.90	25.65
3.71	-1.61	31.88	25.64
1.77	-1.61	31.88	25.64

Station 117	Profile 0	Latitude	77.43	Longitude	-12.16
p / dbar	T / C	Salinity	Sigma-t		
434.19	0.80	34.90	27.97		
200.59	-1.41	34.17	27.50		
150.08	-1.75	33.99	27.36		
100.33	-1.74	33.81	27.22		
49.44	-1.69	33.25	26.75		
26.90	-1.66	32.08	25.80		
25.50	-1.65	32.00	25.74		
20.24	-1.59	31.89	25.65		
13.73	-1.48	31.78	25.56		
9.20	-1.51	31.79	25.57		
6.65	-1.49	31.79	25.56		
2.16	-1.48	31.78	25.56		

Station 118	Profile 0	Latitude	77.55	Longitude	-13.11
p / dbar	T / C	Salinity	Sigma-t		
333.19	0.83	34.89	27.97		
199.96	-0.95	34.28	27.56		
150.55	-1.66	34.00	27.37		
100.88	-1.68	33.71	27.13		
75.17	-1.71	33.39	26.87		
50.27	-1.66	32.83	26.42		
39.89	-1.66	32.25	25.94		
22.23	-1.59	31.73	25.52		
11.46	-1.58	31.71	25.50		
7.50	-1.58	31.71	25.50		
3.56	-1.58	31.71	25.50		
1.94	-1.58	31.72	25.51		

Station 119	Profile 0	Latitude	77.73	Longitude	-13.98
p / dbar	T / C	Salinity	Sigma-t		
356.25	1.07	34.91	27.97		
356.55	1.07	34.91	27.97		
148.77	-1.64	33.94	27.31		
100.11	-1.47	33.49	26.94		
50.18	-1.70	32.07	25.79		
50.21	-1.70	32.08	25.80		
50.18	-1.70	32.07	25.80		
50.20	-1.70	32.08	25.81		
25.91	-1.58	31.64	25.45		
25.94	-1.52	31.59	25.40		
25.95	-1.58	31.65	25.46		
25.97	-1.57	31.64	25.44		

Station 119	Profile 1	Latitude	77.73	Longitude	-14.00
p / dbar	T / C	Salinity	Sigma-t		
40.63	-1.68	31.90	25.66		
40.64	-1.68	31.90	25.66		
28.30	-1.62	31.62	25.43		
28.69	-1.62	31.64	25.44		
16.08	-1.49	31.58	25.39		
16.08	-1.51	31.58	25.40		
10.58	-1.52	31.58	25.40		
10.60	-1.52	31.58	25.40		
6.30	-1.46	31.58	25.39		
6.30	-1.46	31.58	25.39		
1.82	-1.48	31.58	25.39		
1.81	-1.48	31.58	25.39		

Station 119	Profile 2	Latitude	77.72	Longitude	-14.03
p / dbar	T / C	Salinity	Sigma-t		
358.69	1.07	34.91	27.97		
310.39	1.23	34.87	27.92		
199.22	-1.24	34.21	27.52		
199.28	-1.26	34.20	27.51		
199.32	-1.26	34.20	27.51		
199.32	-1.26	34.19	27.51		
199.33	-1.26	34.20	27.51		
199.32	-1.26	34.20	27.51		
199.32	-1.26	34.19	27.51		
199.33	-1.26	34.20	27.51		
25.43	-1.63	31.65	25.45		
25.45	-1.63	31.65	25.45		

Station 120	Profile 0	Latitude	77.82	Longitude	-14.74
p / dbar	T / C	Salinity	Sigma-t		
428.25	0.92	34.88	27.96		
200.47	-0.71	34.30	27.58		
150.15	-1.36	33.75	27.16		
99.95	-1.61	32.67	26.28		
49.35	-1.74	32.32	26.00		
35.86	-1.72	32.14	25.86		
32.33	-1.72	32.11	25.83		
22.21	-1.70	31.99	25.73		
13.30	-1.60	31.75	25.53		
8.08	-1.57	31.71	25.50		
4.29	-1.59	31.74	25.53		
1.87	-1.59	31.74	25.52		

Station 121	Profile 0	Latitude	77.92	Longitude	-15.67
p / dbar	T / C	Salinity	Sigma-t		
477.77	0.92	34.88	27.96		
478.14	0.92	34.88	27.96		
150.48	-1.46	33.59	27.03		
99.85	-1.66	32.59	26.22		
50.17	-1.74	32.37	26.04		
50.18	-1.74	32.37	26.04		
35.72	-1.74	32.27	25.96		
35.74	-1.74	32.27	25.96		
19.68	-1.67	31.83	25.60		
19.70	-1.67	31.83	25.60		
19.71	-1.67	31.84	25.61		
19.71	-1.67	31.84	25.61		

Station 121	Profile 1	Latitude	77.92	Longitude	-15.68
p / dbar	T / C	Salinity	Sigma-t		
39.03	-1.74	32.28	25.97		
39.03	-1.74	32.28	25.97		
25.20	-1.67	31.85	25.62		
25.20	-1.67	31.85	25.62		
14.61	-1.66	31.81	25.59		
14.62	-1.66	31.81	25.59		
9.02	-1.66	31.82	25.59		
9.03	-1.65	31.80	25.58		
6.29	-1.65	31.80	25.58		
6.29	-1.65	31.80	25.58		
1.73	-1.63	31.77	25.55		
1.73	-1.62	31.76	25.55		

Station 122	Profile 0	Latitude	77.93	Longitude	-16.80
p / dbar	T / C	Salinity	Sigma-t		
193.50	-0.23	34.44	27.67		
193.53	-0.23	34.44	27.67		
193.54	-0.23	34.44	27.67		
193.54	-0.23	34.45	27.67		
193.54	-0.23	34.45	27.67		
193.55	-0.23	34.45	27.67		
193.55	-0.23	34.45	27.67		
193.55	-0.23	34.45	27.67		
193.56	-0.22	34.45	27.67		
193.56	-0.22	34.45	27.67		
193.56	-0.22	34.45	27.67		
193.56	-0.22	34.45	27.67		

Station 123	Profile 0	Latitude	78.02	Longitude	-16.60
p / dbar	T / C	Salinity	Sigma-t		
491.33	0.94	34.88	27.95		
400.20	1.00	34.87	27.94		
299.57	1.09	34.83	27.90		
199.86	-0.19	34.46	27.68		
99.95	-1.57	32.82	26.40		
38.91	-1.74	32.35	26.03		
32.25	-1.74	32.32	26.00		
20.83	-1.69	32.04	25.77		
13.35	-1.69	32.00	25.74		
8.14	-1.69	31.98	25.72		
5.59	-1.68	31.99	25.73		
1.79	-1.68	31.97	25.72		

Station 124	Profile 0	Latitude	78.09	Longitude	-16.18
p / dbar	T / C	Salinity	Sigma-t		
471.46	0.91	34.88	27.96		
200.71	-0.44	34.37	27.62		
150.72	-1.51	33.53	26.98		
99.98	-1.57	32.86	26.44		
49.62	-1.74	32.36	26.03		
35.83	-1.71	32.16	25.87		
32.02	-1.70	32.12	25.84		
20.16	-1.69	32.07	25.80		
20.17	-1.69	32.07	25.80		
20.17	-1.69	32.07	25.80		
20.18	-1.69	32.07	25.80		
20.18	-1.69	32.07	25.80		

Station 125	Profile 0	Latitude	78.16	Longitude	-15.76
p / dbar	T / C	Salinity	Sigma-t		
364.44	1.10	34.88	27.94		
200.16	-0.81	34.34	27.61		
150.11	-1.23	33.76	27.16		
99.91	-1.59	32.71	26.32		
49.98	-1.74	32.30	25.99		
45.45	-1.73	32.27	25.96		
40.35	-1.73	32.23	25.93		
26.02	-1.64	31.86	25.62		
16.48	-1.63	31.81	25.59		
16.48	-1.63	31.81	25.58		
16.48	-1.63	31.82	25.59		
16.47	-1.63	31.81	25.58		

Station 126	Profile 0	Latitude	78.23	Longitude	-15.40
p / dbar	T / C	Salinity	Sigma-t		
207.46	0.00	34.54	27.74		
150.12	-0.98	33.92	27.28		
100.39	-1.75	32.46	26.11		
75.66	-1.75	32.44	26.10		
50.35	-1.74	32.37	26.04		
46.68	-1.74	32.35	26.02		
38.07	-1.73	32.28	25.97		
24.51	-1.65	32.02	25.76		
14.84	-1.63	32.00	25.74		
9.10	-1.59	31.97	25.71		
5.55	-1.56	31.94	25.69		
1.71	-1.35	31.77	25.54		

Station 127	Profile 0	Latitude	79.42	Longitude	-15.62
p / dbar	T / C	Salinity	Sigma-t		
35.04	-1.75	32.43	26.09		
35.04	-1.75	32.43	26.09		
33.02	-1.75	32.43	26.09		
33.04	-1.75	32.43	26.09		
29.85	-1.70	32.42	26.08		
29.86	-1.75	32.43	26.09		
24.51	-1.71	32.43	26.09		
20.16	-1.69	32.42	26.08		
14.55	-1.68	32.43	26.08		
10.31	-1.71	32.43	26.09		
5.18	-1.71	32.43	26.09		
2.61	-1.70	32.43	26.09		

Station 128	Profile 0	Latitude	79.52	Longitude	-15.80
p / dbar	T / C	Salinity	Sigma-t		
106.64	-1.59	32.84	26.42		
106.79	-1.59	32.84	26.42		
49.21	-1.76	32.41	26.07		
30.15	-1.76	32.40	26.07		
25.87	-1.76	32.41	26.07		
19.48	-1.75	32.40	26.07		
10.99	-1.76	32.40	26.07		
5.58	-1.70	32.41	26.07		
1.76	-1.64	32.41	26.07		
1.80	-1.75	32.40	26.07		
1.78	-1.74	32.40	26.07		
1.81	-1.74	32.40	26.07		

Station 129	Profile 0	Latitude	79.60	Longitude	-16.01
p / dbar	T / C	Salinity	Sigma-t		
181.03	-0.19	34.38	27.62		
149.42	-0.62	34.09	27.40		
100.16	-1.61	32.79	26.38		
74.03	-1.74	32.45	26.11		
49.90	-1.76	32.42	26.08		
45.33	-1.76	32.42	26.08		
37.20	-1.76	32.40	26.07		
23.35	-1.76	32.41	26.07		
12.41	-1.76	32.40	26.07		
7.13	-1.76	32.40	26.07		
4.05	-1.76	32.40	26.07		
1.68	-1.75	32.40	26.07		

Station 130	Profile 0	Latitude	79.68	Longitude	-16.26
p / dbar	T / C	Salinity	Sigma-t		
285.98	0.83	34.77	27.88		
285.99	0.84	34.78	27.88		
150.48	-0.81	34.11	27.42		
100.11	-1.62	32.75	26.34		
52.87	-1.74	32.40	26.07		
52.88	-1.74	32.40	26.07		
52.89	-1.74	32.40	26.07		
30.48	-1.75	32.34	26.02		
8.54	-1.75	32.34	26.02		
8.57	-1.75	32.34	26.02		
8.57	-1.75	32.34	26.02		
8.57	-1.75	32.34	26.02		

Station 130	Profile 1	Latitude	79.68	Longitude	-16.25
p / dbar	T / C	Salinity	Sigma-t		
42.16	-1.76	32.35	26.03		
42.16	-1.76	32.35	26.03		
29.41	-1.68	32.32	26.00		
29.42	-1.69	32.32	26.00		
16.92	-1.67	32.32	26.00		
16.93	-1.65	32.32	26.00		
11.32	-1.71	32.33	26.01		
11.34	-1.68	32.33	26.00		
6.70	-1.69	32.32	26.00		
6.69	-1.68	32.32	26.00		
2.18	-1.64	32.32	26.00		
2.19	-1.65	32.32	26.00		

Station 131	Profile 0	Latitude	79.81	Longitude	-16.59
p / dbar	T / C	Salinity	Sigma-t		
239.30	0.54	34.68	27.81		
199.83	0.41	34.62	27.78		
150.31	-0.33	34.33	27.58		
100.50	-1.57	32.95	26.51		
53.08	-1.74	32.38	26.05		
53.11	-1.74	32.38	26.05		
44.17	-1.75	32.36	26.03		
30.96	-1.72	32.33	26.01		
19.53	-1.71	32.29	25.97		
15.14	-1.70	32.27	25.96		
9.62	-1.69	32.27	25.96		
1.73	-1.68	32.27	25.96		

Station 132	Profile 0	Latitude	79.90	Longitude	-16.93
p / dbar	T / C	Salinity	Sigma-t		
254.35	0.71	34.74	27.86		
200.44	0.28	34.59	27.76		
151.07	-0.15	34.40	27.63		
100.46	-1.18	33.53	26.97		
50.27	-1.74	32.26	25.95		
42.07	-1.74	32.25	25.94		
42.11	-1.74	32.25	25.94		
26.36	-1.74	32.24	25.94		
15.73	-1.71	32.24	25.93		
8.93	-1.69	32.24	25.93		
5.27	-1.63	32.23	25.93		
1.72	-1.61	32.23	25.93		



Station 133	Profile 0	Latitude	80.00	Longitude	-17.10
p / dbar	T / C	Salinity	Sigma-t		
99.48	-0.81	33.66	27.06		
99.47	-0.80	33.66	27.06		
50.21	-1.64	32.48	26.13		
36.76	-1.69	32.28	25.97		
27.26	-1.71	32.19	25.90		
18.36	-1.45	32.08	25.80		
15.59	-1.37	32.07	25.79		
8.19	-1.37	32.07	25.79		
4.86	-1.28	32.05	25.77		
2.64	-1.22	32.03	25.76		
1.69	-0.74	31.97	25.69		
1.70	-0.79	31.98	25.70		

Station 134	Profile 0	Latitude	80.03	Longitude	-16.39
p / dbar	T / C	Salinity	Sigma-t		
182.44	0.04	34.49	27.70		
182.52	0.05	34.50	27.70		
149.70	-0.22	34.36	27.60		
99.15	-1.47	33.01	26.56		
48.58	-1.69	32.36	26.03		
48.61	-1.69	32.36	26.03		
48.62	-1.69	32.36	26.03		
48.63	-1.69	32.36	26.03		
48.63	-1.69	32.36	26.03		
48.62	-1.69	32.36	26.03		
24.24	-1.66	32.30	25.98		
1.58	-0.86	32.23	25.91		

Station 134	Profile 1	Latitude	80.03	Longitude	-16.39
p / dbar	T / C	Salinity	Sigma-t		
39.05	-1.66	32.36	26.03		
39.09	-1.65	32.36	26.03		
22.92	-1.61	32.32	26.00		
22.92	-1.59	32.32	26.00		
12.66	-1.54	32.30	25.98		
12.68	-1.65	32.31	25.99		
7.27	-1.41	32.29	25.97		
7.28	-1.24	32.28	25.95		
3.68	-0.88	32.25	25.92		
3.69	-0.93	32.26	25.93		
1.62	-0.72	32.24	25.91		
1.65	-0.91	32.26	25.93		

Station 135	Profile 0	Latitude	80.14	Longitude	-15.00
p / dbar	T / C	Salinity	Sigma-t		
353.71	0.58	34.72	27.85		
353.00	0.58	34.72	27.85		
147.99	-0.33	34.32	27.57		
99.57	-1.39	33.12	26.64		
50.40	-1.76	32.35	26.03		
50.72	-1.76	32.35	26.03		
37.83	-1.73	32.33	26.01		
37.87	-1.73	32.33	26.01		
20.00	-1.65	32.29	25.97		
20.05	-1.65	32.28	25.97		
20.04	-1.65	32.29	25.97		
20.05	-1.65	32.29	25.97		

Station 135	Profile 1	Latitude	80.14	Longitude	-15.76
p / dbar	T / C	Salinity	Sigma-t		
30.83	-1.72	32.33	26.01		
30.84	-1.72	32.33	26.01		
18.17	-1.72	32.33	26.01		
18.18	-1.70	32.32	26.00		
10.17	-1.39	32.26	25.95		
10.18	-1.19	32.24	25.92		
6.98	-1.13	32.23	25.92		
7.00	-1.14	32.23	25.92		
4.42	-1.16	32.24	25.92		
4.43	-1.27	32.26	25.94		
1.54	-1.32	32.26	25.94		
1.56	-1.29	32.26	25.94		

Station 136	Profile 0	Latitude	80.24	Longitude	-15.08
p / dbar	T / C	Salinity	Sigma-t		
358.51	0.73	34.75	27.86		
358.51	0.73	34.75	27.86		
149.91	-0.46	34.28	27.55		
100.11	-1.63	32.78	26.37		
49.98	-1.72	32.40	26.06		
50.01	-1.72	32.40	26.07		
31.10	-1.75	32.37	26.04		
31.11	-1.75	32.37	26.04		
21.71	-1.73	32.36	26.03		
21.72	-1.74	32.36	26.03		
21.73	-1.73	32.36	26.03		
21.72	-1.73	32.36	26.03		

Station 136	Profile 1	Latitude	80.25	Longitude	-15.10
p / dbar	T / C	Salinity	Sigma-t		
27.65	-1.71	32.37	26.04		
27.65	-1.74	32.37	26.04		
19.42	-1.69	32.36	26.03		
19.43	-1.70	32.36	26.03		
11.85	-1.70	32.35	26.02		
11.87	-1.70	32.35	26.02		
7.50	-1.54	32.34	26.01		
7.51	-1.54	32.34	26.01		
4.21	-1.16	32.31	25.98		
4.21	-0.87	32.30	25.96		
1.61	-0.63	32.32	25.97		
1.61	-0.91	32.30	25.97		

Station 137	Profile 0	Latitude	80.35	Longitude	-14.37
p / dbar	T / C	Salinity	Sigma-t		
312.77	0.64	34.73	27.85		
312.79	0.64	34.73	27.85		
150.51	-0.71	34.04	27.36		
99.94	-1.60	32.83	26.42		
49.73	-1.75	32.43	26.09		
49.75	-1.75	32.43	26.09		
43.00	-1.74	32.42	26.09		
43.01	-1.74	32.42	26.08		
5.80	0.05	32.42	26.02		
5.82	0.13	32.41	26.01		
5.83	0.12	32.40	26.00		
5.83	0.08	32.41	26.01		

Station 137	Profile 1	Latitude	80.35	Longitude	-14.32
p / dbar	T / C	Salinity	Sigma-t		
41.46	-1.73	32.42	26.08		
41.48	-1.73	32.42	26.08		
22.31	-0.51	32.41	26.04		
22.32	-0.54	32.41	26.04		
14.01	-0.32	32.40	26.03		
14.02	-0.40	32.42	26.04		
9.08	-0.35	32.41	26.03		
9.09	-0.31	32.41	26.03		
6.04	-0.16	32.41	26.02		
6.05	-0.16	32.41	26.02		
1.64	-0.09	32.39	26.01		
1.65	-0.10	32.41	26.02		

Station 138	Profile 0	Latitude	80.46	Longitude	-13.68
p / dbar	T / C	Salinity	Sigma-t		
311.53	0.69	34.73	27.85		
311.65	0.69	34.73	27.85		
151.46	-0.56	34.17	27.46		
99.37	-1.63	32.74	26.34		
49.57	-1.70	32.41	26.07		
49.59	-1.69	32.41	26.07		
43.59	-1.70	32.40	26.07		
43.61	-1.69	32.40	26.07		
5.70	1.11	32.21	25.80		
5.87	0.62	32.29	25.88		
5.87	0.63	32.28	25.88		
5.88	0.53	32.28	25.89		

Station 138	Profile 1	Latitude	80.45	Longitude	-13.69
p / dbar	T / C	Salinity	Sigma-t		
38.78	-1.70	32.40	26.06		
38.78	-1.70	32.40	26.06		
24.68	-1.70	32.38	26.05		
24.68	-1.70	32.38	26.05		
11.31	-1.32	32.35	26.01		
11.31	-1.16	32.35	26.01		
9.66	-1.06	32.34	26.00		
9.67	-0.97	32.37	26.02		
7.37	-0.78	32.32	25.98		
7.36	-0.43	32.31	25.95		
1.72	1.57	32.20	25.76		
1.72	1.54	32.21	25.77		

Station 138	Profile 2	Latitude	80.46	Longitude	-13.68
p / dbar	T / C	Salinity	Sigma-t		
322.32	0.69	34.73	27.85		
271.61	0.64	34.71	27.84		
150.97	-0.50	34.21	27.49		
101.09	-1.61	32.81	26.40		
6.21	-1.69	32.38	26.05		
6.21	-1.70	32.38	26.05		
6.22	-1.71	32.38	26.05		
6.21	-1.62	32.38	26.05		
6.22	-1.41	32.36	26.02		
6.23	-1.06	32.36	26.02		
6.22	-1.23	32.38	26.03		
6.23	-0.82	32.36	26.01		

Station 139	Profile 0	Latitude	80.53	Longitude	-12.51
p / dbar	T / C	Salinity	Sigma-t		
284.57	0.43	34.75	27.88		
200.13	0.26	34.57	27.74		
149.60	-0.70	34.08	27.40		
99.69	-1.61	32.77	26.36		
50.27	-1.61	32.42	26.08		
36.26	-1.58	32.40	26.06		
32.89	-1.54	32.40	26.06		
20.19	-1.70	32.38	26.05		
12.96	-1.64	32.37	26.04		
7.61	-1.15	32.35	26.01		
4.34	-0.73	32.34	25.98		
2.24	-0.34	32.27	25.92		

Station 140	Profile 0	Latitude	80.55	Longitude	-11.26
p / dbar	T / C	Salinity	Sigma-t		
247.01	0.38	34.75	27.89		
247.01	0.38	34.75	27.89		
152.22	-0.63	34.08	27.40		
99.75	-1.70	32.53	26.17		
50.14	-1.72	32.40	26.06		
50.15	-1.73	32.40	26.06		
30.16	-0.99	32.31	25.97		
30.18	-1.10	32.30	25.97		
16.70	-1.40	32.20	25.89		
16.70	-1.41	32.20	25.89		
16.72	-1.41	32.20	25.90		
16.72	-1.42	32.20	25.90		

Station 140	Profile 1	Latitude	80.55	Longitude	-11.24
p / dbar	T / C	Salinity	Sigma-t		
25.99	-1.55	32.31	25.99		
25.98	-1.62	32.33	26.01		
16.12	-1.29	32.21	25.90		
16.13	-1.28	32.22	25.91		
9.17	-1.35	32.19	25.88		
9.17	-1.34	32.20	25.89		
7.30	-1.38	32.21	25.90		
7.30	-1.40	32.20	25.89		
3.11	-1.02	32.18	25.87		
3.12	-1.14	32.14	25.84		
3.11	-1.16	32.10	25.81		
3.11	-1.02	32.14	25.83		

Station 140	Profile 2	Latitude	80.52	Longitude	-10.58
p / dbar	T / C	Salinity	Sigma-t		
258.07	0.39	34.79	27.92		
200.80	0.27	34.59	27.76		
149.90	-0.36	34.27	27.53		
100.17	-1.67	32.58	26.21		
49.17	-1.75	32.41	26.07		
40.01	-1.73	32.37	26.04		
25.84	-1.72	32.32	26.00		
15.97	-1.69	32.24	25.93		
9.97	-1.61	32.13	25.85		
5.67	-1.55	31.98	25.72		
4.17	-1.55	32.01	25.75		
2.25	-1.57	32.04	25.77		

Station 141	Profile 0	Latitude	80.47	Longitude	-11.22
p / dbar	T / C	Salinity	Sigma-t		
289.11	0.39	34.82	27.94		
289.16	0.39	34.82	27.94		
151.19	-0.88	33.88	27.24		
100.32	-1.75	32.46	26.12		
50.44	-1.75	32.42	26.08		
50.46	-1.75	32.42	26.08		
41.23	-1.74	32.41	26.07		
41.24	-1.74	32.41	26.07		
17.42	-1.71	32.31	25.99		
17.44	-1.70	32.31	25.99		
17.45	-1.70	32.31	25.99		
17.44	-1.70	32.31	25.99		

Station 141	Profile 1	Latitude	80.47	Longitude	-11.12
p / dbar	T / C	Salinity	Sigma-t		
31.59	-1.74	32.40	26.06		
31.59	-1.74	32.40	26.07		
18.52	-1.72	32.33	26.01		
18.53	-1.71	32.33	26.01		
9.16	-1.65	32.27	25.95		
9.23	-1.60	32.21	25.91		
5.61	-1.58	32.20	25.90		
5.68	-1.66	32.28	25.97		
3.20	-1.48	32.10	25.82		
3.20	-1.51	32.13	25.84		
1.88	-1.54	32.17	25.87		
1.87	-1.55	32.18	25.88		

Station 142	Profile 0	Latitude	89.37	Longitude	-10.05
p / dbar	T / C	Salinity	Sigma-t		
316.12	0.40	34.84	27.96		
316.42	0.40	34.84	27.96		
150.62	-1.26	33.42	26.88		
100.31	-1.72	32.51	26.15		
49.42	-1.75	32.42	26.08		
49.44	-1.75	32.42	26.08		
21.39	-1.70	32.24	25.93		
21.40	-1.69	32.21	25.91		
13.37	-1.56	32.10	25.82		
13.38	-1.51	32.07	25.79		
13.37	-1.50	32.06	25.79		
13.37	-1.47	32.05	25.77		

Station 142	Profile 1	Latitude	80.35	Longitude	-10.06
p / dbar	T / C	Salinity	Sigma-t		
17.04	-1.68	32.18	25.89		
17.28	-1.68	32.18	25.89		
13.19	-1.54	32.09	25.81		
13.19	-1.53	32.08	25.80		
8.37	-1.42	32.00	25.73		
8.35	-1.37	31.98	25.71		
4.84	-1.30	31.95	25.69		
4.85	-1.28	31.93	25.67		
2.73	-1.03	31.66	25.45		
2.72	-1.10	31.76	25.53		
1.75	-0.91	31.55	25.36		
1.74	-0.68	31.34	25.18		

Station 143	Profile 0	Latitude	80.90	Longitude	-8.89
p / dbar	T / C	Salinity	Sigma-t		
294.47	0.40	34.84	27.95		
294.55	0.40	34.84	27.95		
150.45	-0.36	34.28	27.54		
99.93	-1.53	32.96	26.51		
48.60	-1.75	32.43	26.09		
48.65	-1.75	32.43	26.09		
40.05	-1.69	32.42	26.08		
19.83	-1.10	32.20	25.89		
19.85	-1.06	32.19	25.88		
23.66	-1.45	32.31	25.99		
23.65	-1.46	32.31	25.99		
23.66	-1.47	32.32	25.99		

Station 143	Profile 1	Latitude	80.27	Longitude	-8.84
p / dbar	T / C	Salinity	Sigma-t		
14.48	-0.86	32.02	25.73		
14.49	-0.89	31.99	25.71		
10.62	-0.92	31.98	25.70		
10.62	-0.93	31.99	25.71		
6.35	-0.77	31.86	25.60		
6.35	-0.88	31.95	25.68		
4.08	-0.34	31.55	25.33		
4.08	-0.51	31.68	25.45		
2.16	-0.20	31.41	25.22		
2.17	-0.11	31.32	25.14		
2.16	-0.02	31.21	25.05		

Station 143	Profile 2	Latitude	80.26	Longitude	-8.80
p / dbar	T / C	Salinity	Sigma-t		
200.77	0.35	34.66	27.82		
150.21	-0.41	34.25	27.52		
150.30	-0.42	34.25	27.52		
150.34	-0.43	34.24	27.52		
150.35	-0.43	34.24	27.51		
150.35	-0.44	34.24	27.51		
15.23	-0.94	32.07	25.78		
15.23	-0.96	32.08	25.78		
15.22	-0.93	32.06	25.77		
15.24	-0.92	32.06	25.77		
15.24	-0.91	32.07	25.78		
15.24	-0.93	32.08	25.78		

Station 144	Profile 0	Latitude	80.17	Longitude	-7.74
p / dbar	T / C	Salinity	Sigma-t		
290.40	0.41	34.84	27.95		
290.37	0.40	34.84	27.95		
150.40	-0.30	34.28	27.54		
99.60	-1.63	32.74	26.34		
48.34	-1.71	32.41	26.07		
48.40	-1.71	32.41	26.07		
27.10	-1.27	32.35	26.02		
27.12	-1.28	32.36	26.02		
27.10	-1.28	32.36	26.02		
27.12	-1.29	32.36	26.02		
27.12	-1.30	32.36	26.02		
27.12	-1.30	32.36	26.02		

Station 144	Profile 1	Latitude	80.17	Longitude	-7.68
p / dbar	T / C	Salinity	Sigma-t		
200.59	0.29	34.63	27.79		
22.35	-0.18	32.24	25.89		
22.37	-0.46	32.27	25.92		
15.94	0.52	32.04	25.70		
15.95	0.46	32.08	25.72		
9.48	1.07	31.78	25.46		
9.48	1.18	31.71	25.39		
4.91	1.95	31.44	25.12		
4.90	1.88	31.42	25.11		
1.78	2.53	31.03	24.75		
1.76	2.53	31.03	24.75		
1.79	2.54	31.03	24.75		

Station 145	Profile 0	Latitude	80.06	Longitude	-6.66
p / dbar	T / C	Salinity	Sigma-t		
295.79	0.43	34.84	27.95		
295.70	0.43	34.84	27.95		
150.48	-0.67	34.06	27.38		
100.58	-1.69	32.59	26.22		
50.33	-1.75	32.41	26.08		
50.44	-1.75	32.41	26.08		
31.16	-1.60	32.32	26.00		
31.17	-1.60	32.32	26.00		
21.54	-1.50	32.15	25.86		
19.76	-1.36	32.04	25.77		
19.77	-1.36	32.04	25.76		
19.76	-1.43	32.06	25.79		

Station 145	Profile 1	Latitude	80.03	Longitude	-6.70
p / dbar	T / C	Salinity	Sigma-t		
27.94	-1.69	32.39	26.06		
27.96	-1.69	32.39	26.06		
14.34	-1.50	32.16	25.86		
14.26	-1.51	32.21	25.91		
10.28	-0.24	31.42	25.22		
10.30	-0.93	31.89	25.63		
7.11	-0.14	31.37	25.18		
7.12	-0.07	31.34	25.16		
4.03	-0.15	31.39	25.20		
4.03	-0.01	31.33	25.14		
1.72	-0.22	31.44	25.24		
1.74	-0.73	31.73	25.50		

Station 145	Profile 2	Latitude	80.02	Longitude	-6.74
p / dbar	T / C	Salinity	Sigma-t		
299.36	0.42	34.84	27.96		
299.42	0.42	34.84	27.95		
250.13	0.41	34.78	27.90		
250.17	0.41	34.78	27.90		
200.27	0.10	34.55	27.74		
150.48	-0.94	33.95	27.30		
100.39	-1.68	32.62	26.25		
50.81	-1.73	32.42	26.08		
16.56	-1.54	32.24	25.93		
16.55	-1.56	32.25	25.94		
16.57	-1.55	32.25	25.94		
16.58	-1.55	32.25	25.94		

Station 146	Profile 0	Latitude	80.03	Longitude	-5.72
p / dbar	T / C	Salinity	Sigma-t		
455.45	0.35	34.86	27.97		
199.99	0.50	34.69	27.83		
150.09	-0.88	34.33	27.61		
100.22	-1.53	33.90	27.28		
50.21	-1.68	32.91	26.48		
24.11	-1.57	31.91	25.66		
21.51	-1.52	31.77	25.55		
13.41	-1.42	31.56	25.38		
9.59	-1.43	31.59	25.40		
7.11	-1.32	31.39	25.24		
4.75	-1.40	31.53	25.35		

Station 147	Profile 0	Latitude	80.06	Longitude	-4.19
p / dbar	T / C	Salinity	Sigma-t		
1965.56	-0.62	34.92	28.07		
1501.42	-0.46	34.91	28.06		
1001.09	-0.18	34.89	28.03		
500.33	0.46	34.87	27.97		
250.57	0.91	34.81	27.90		
101.04	-1.74	34.05	27.41		
75.85	-1.78	33.95	27.33		
48.53	-1.75	33.57	27.02		
31.27	-1.65	32.92	26.49		
20.88	-1.65	32.76	26.36		
10.63	-1.63	32.69	26.30		
2.04	-1.55	32.18	25.88		

Station 148	Profile 0	Latitude	80.08	Longitude	-5.38
p / dbar	T / C	Salinity	Sigma-t		
913.12	-0.24	34.90	28.03		
750.50	0.11	34.88	28.00		
500.92	0.41	34.86	27.97		
299.86	0.47	34.81	27.93		
200.77	0.33	34.67	27.82		
101.03	-1.36	34.03	27.38		
76.22	-1.77	33.83	27.23		
50.96	-1.73	33.47	26.93		
30.53	-1.68	32.80	26.39		
20.48	-1.66	32.60	26.23		
10.30	-1.66	32.47	26.12		
2.81	-1.63	32.32	26.00		

Station 149	Profile 0	Latitude	80.05	Longitude	-5.74
p / dbar	T / C	Salinity	Sigma-t		
436.96	0.28	34.87	27.98		
199.49	0.13	34.65	27.81		
149.84	-0.77	34.36	27.62		
100.26	-1.59	33.91	27.29		
49.99	-1.73	33.14	26.67		
22.16	-1.58	31.77	25.55		
19.11	-1.46	31.44	25.28		
17.00	-1.47	31.46	25.30		
12.93	-1.39	31.30	25.17		
7.99	-1.44	31.40	25.25		
5.58	-1.41	31.36	25.21		
2.01	-1.36	31.30	25.16		



Station 150	Profile 0	Latitude	80.05	Longitude	-6.76
p / dbar	T / C	Salinity	Sigma-t		
288.96	0.42	34.84	27.95		
200.18	0.20	34.58	27.76		
149.11	-0.62	34.06	27.38		
99.84	-1.67	32.63	26.25		
50.26	-1.73	32.42	26.08		
22.43	-1.16	32.30	25.97		
22.44	-1.16	32.30	25.97		
18.50	-1.23	32.12	25.83		
10.86	0.21	31.57	25.33		
6.16	1.10	31.21	25.00		
2.96	1.13	31.21	24.99		
1.77	1.12	31.20	24.98		

Station 151	Profile 0	Latitude	80.05	Longitude	-7.72
p / dbar	T / C	Salinity	Sigma-t		
266.15	0.39	34.81	27.93		
200.98	0.21	34.59	27.76		
149.53	-0.82	33.88	27.24		
100.14	-1.69	32.56	26.20		
50.09	-1.72	32.42	26.08		
27.12	-1.13	32.20	25.89		
24.12	-0.82	32.15	25.84		
16.57	0.30	31.87	25.57		
10.87	0.27	31.84	25.54		
6.70	1.07	31.27	25.04		
3.88	1.13	31.21	24.99		
2.05	1.25	31.10	24.90		

Station 152	Profile 0	Latitude	80.05	Longitude	-8.75
p / dbar	T / C	Salinity	Sigma-t		
253.62	0.27	34.65	27.80		
200.72	-0.17	34.35	27.59		
150.60	-1.23	33.36	26.83		
100.55	-1.71	32.53	26.17		
50.13	-1.70	32.41	26.07		
25.06	-1.67	32.31	25.99		
22.04	-1.65	32.30	25.98		
16.51	-1.64	32.26	25.95		
11.40	-1.06	32.09	25.79		
7.81	1.03	31.57	25.29		
4.76	1.84	31.38	25.08		
1.95	1.72	31.37	25.08		

Station 153	Profile 0	Latitude	80.05	Longitude	-9.74
p / dbar	T / C	Salinity	Sigma-t		
100.25	-1.72	32.49	26.14		
100.22	-1.72	32.49	26.14		
74.30	-1.74	32.43	26.09		
50.68	-1.74	32.40	26.07		
23.35	-1.56	32.19	25.89		
23.39	-1.59	32.22	25.92		
23.43	-1.59	32.23	25.92		
23.45	-1.58	32.22	25.91		
15.10	-1.48	32.09	25.81		
15.12	-1.47	32.07	25.80		
2.05	-0.31	31.33	25.16		
2.05	-0.30	31.33	25.16		

Station 154	Profile 0	Latitude	80.06	Longitude	-10.70
p / dbar	T / C	Salinity	Sigma-t		
137.96	-1.16	33.28	26.77		
137.94	-1.16	33.28	26.76		
99.51	-1.75	32.45	26.11		
76.36	-1.75	32.43	26.09		
76.39	-1.75	32.43	26.09		
50.41	-1.73	32.40	26.06		
30.95	-1.67	32.34	26.01		
21.00	-1.65	32.14	25.85		
9.88	-1.66	32.23	25.93		
9.89	-1.65	32.16	25.87		
1.92	-1.65	32.15	25.86		
1.96	-1.64	32.11	25.83		

Station 155	Profile 0	Latitude	80.14	Longitude	-10.71
p / dbar	T / C	Salinity	Sigma-t		
172.51	-0.31	34.24	27.51		
172.64	-0.29	34.26	27.52		
149.98	-0.90	33.69	27.09		
98.69	-1.75	32.46	26.12		
49.40	-1.68	32.40	26.07		
49.44	-1.68	32.40	26.07		
26.56	-1.59	32.25	25.94		
26.60	-1.57	32.25	25.94		
19.83	-1.58	32.20	25.90		
19.84	-1.59	32.15	25.86		
19.84	-1.57	32.12	25.83		
19.84	-1.56	32.09	25.81		

Station 155	Profile 1	Latitude	80.14	Longitude	-10.71
p / dbar	T / C	Salinity	Sigma-t		
20.63	-1.61	32.23	25.93		
14.64	-1.59	32.22	25.92		
14.64	-1.58	32.21	25.91		
9.56	-1.18	31.66	25.45		
9.56	-1.11	31.57	25.38		
6.92	-0.80	31.26	25.12		
5.89	-0.72	31.19	25.06		
2.85	0.19	29.97	24.04		
2.85	0.05	30.17	24.21		
1.65	0.87	28.92	23.17		
1.65	0.85	28.81	23.08		

Station 155	Profile 2	Latitude	80.14	Longitude	-10.68
p / dbar	T / C	Salinity	Sigma-t		
185.96	-0.18	34.34	27.58		
186.04	-0.19	34.34	27.58		
136.13	-1.40	33.09	26.62		
136.26	-1.41	33.08	26.61		
99.95	-1.74	32.48	26.13		
99.99	-1.74	32.48	26.13		
48.77	-1.71	32.41	26.07		
48.80	-1.70	32.41	26.07		
24.90	-1.57	32.30	25.98		
24.92	-1.58	32.30	25.98		
17.17	-1.61	32.21	25.91		
17.17	-1.61	32.22	25.91		

Station 156	Profile 0	Latitude	80.28	Longitude	-11.55
p / dbar	T / C	Salinity	Sigma-t		
163.18	-0.57	34.10	27.40		
150.77	-0.88	33.87	27.23		
99.44	-1.75	32.47	26.13		
74.03	-1.76	32.45	26.11		
50.03	-1.75	32.43	26.09		
47.47	-1.75	32.43	26.09		
37.17	-1.74	32.40	26.06		
19.16	-1.72	32.36	26.03		
12.95	-1.72	32.34	26.02		
7.27	-1.69	32.21	25.91		
4.14	-1.68	32.23	25.93		
4.15	-1.68	32.21	25.91		

Station 157	Profile 0	Latitude	80.36	Longitude	-11.97
p / dbar	T / C	Salinity	Sigma-t		
270.26	0.43	34.71	27.85		
200.32	0.16	34.52	27.71		
150.68	-0.79	33.99	27.32		
99.10	-1.64	32.70	26.31		
49.87	-1.72	32.42	26.08		
31.19	-1.69	32.38	26.05		
22.11	-0.15	32.39	26.01		
13.10	1.23	32.14	25.73		
4.44	1.00	32.14	25.74		
4.45	0.94	32.14	25.75		
4.46	1.17	32.06	25.67		
1.97	2.08	31.50	25.17		

Station 158	Profile 0	Latitude	80.43	Longitude	-12.33
p / dbar	T / C	Salinity	Sigma-t		
262.05	0.51	34.69	27.83		
200.37	0.07	34.50	27.70		
150.08	-1.11	33.66	27.07		
100.44	-1.63	32.87	26.45		
50.09	-1.72	32.42	26.08		
30.27	-1.71	32.40	26.06		
24.02	-1.72	32.37	26.04		
17.64	-1.04	32.37	26.02		
10.22	-0.25	32.37	25.99		
6.94	-0.62	32.35	25.99		
3.88	1.76	32.32	25.84		
1.84	2.81	32.31	25.75		

Station 159	Profile 0	Latitude	80.50	Longitude	-12.68
p / dbar	T / C	Salinity	Sigma-t		
282.84	0.39	34.77	27.90		
200.57	0.19	34.54	27.72		
100.75	-1.61	32.87	26.44		
49.88	-1.72	32.43	26.09		
31.90	-1.65	32.41	26.08		
21.56	-1.13	32.40	26.05		
16.06	-0.36	32.39	26.02		
10.68	0.20	32.39	25.99		
6.75	2.85	32.37	25.80		
4.99	4.38	32.33	25.63		
1.93	4.59	32.34	25.61		

Station 160	Profile 0	Latitude	80.58	Longitude	-13.03
p / dbar	T / C	Salinity	Sigma-t		
287.01	0.39	34.81	27.93		
200.09	0.30	34.60	27.77		
150.64	-0.20	34.31	27.56		
100.23	-1.61	32.78	26.37		
50.65	-1.63	32.38	26.05		
29.77	-1.46	32.37	26.03		
16.44	-1.60	32.30	25.98		
9.34	-1.29	32.26	25.94		
7.68	-0.58	32.20	25.87		
4.96	-0.15	32.16	25.82		
3.08	-0.12	32.16	25.82		
2.08	-0.10	32.15	25.81		

Station 161	Profile 0	Latitude	80.65	Longitude	-13.37
p / dbar	T / C	Salinity	Sigma-t		
206.86	0.43	34.68	27.83		
206.89	0.43	34.68	27.83		
150.76	0.19	34.44	27.65		
100.53	-1.44	33.12	26.64		
51.06	-1.74	32.39	26.06		
28.00	-1.41	32.33	26.00		
22.64	-1.46	32.31	25.99		
16.06	-1.41	32.27	25.95		
11.13	0.15	32.03	25.70		
7.38	0.68	31.92	25.59		
5.09	2.16	31.19	24.91		
1.96	2.49	31.05	24.78		

Station 162	Profile 0	Latitude	80.73	Longitude	-13.74
p / dbar	T / C	Salinity	Sigma-t		
221.03	0.41	34.68	27.82		
200.15	0.40	34.65	27.81		
150.48	0.15	34.41	27.62		
99.96	-1.03	33.52	26.96		
49.59	-1.63	32.32	26.00		
15.86	-0.63	31.41	25.24		
14.68	-0.62	31.44	25.25		
11.59	-0.51	31.28	25.12		
6.34	-0.05	30.25	24.28		
4.22	0.30	28.42	22.79		
2.89	0.31	28.75	23.05		
2.01	0.39	27.99	22.44		

Station 163	Profile 0	Latitude	80.80	Longitude	-14.06
p / dbar	T / C	Salinity	Sigma-t		
70.15	-1.22	33.08	26.60		
50.10	-1.50	32.51	26.15		
29.33	-0.93	31.14	25.03		
19.55	-0.85	30.84	24.78		
9.76	-0.47	30.65	24.61		
6.12	-0.18	30.25	24.28		
4.03	0.32	28.95	23.21		
1.75	0.72	26.99	21.62		
1.75	0.77	26.77	21.45		
1.75	0.64	27.37	21.93		
1.75	0.74	26.70	21.39		
1.76	0.82	26.65	21.34		

Station 165	Profile 0	Latitude	80.45	Longitude	-13.67
p / dbar	T / C	Salinity	Sigma-t		
312.20	0.51	34.74	27.87		
150.29	-0.74	34.04	27.37		
100.68	-1.60	32.86	26.44		
49.19	-1.73	32.42	26.09		
35.49	-1.55	32.41	26.07		
18.44	-1.27	32.37	26.03		
18.46	-1.25	32.37	26.03		
15.35	-0.98	32.38	26.03		
15.35	-0.99	32.37	26.03		
15.36	-0.98	32.37	26.02		
15.36	-0.95	32.37	26.02		
1.83	3.56	32.30	25.68		

Station 165	Profile 1	Latitude	80.46	Longitude	-13.66
p / dbar	T / C	Salinity	Sigma-t		
18.37	-0.89	32.38	26.02		
18.37	-0.87	32.38	26.03		
13.89	-0.46	32.37	26.00		
13.90	-0.36	32.37	26.00		
9.73	1.11	32.36	25.92		
9.73	1.03	32.36	25.92		
6.29	1.11	32.36	25.91		
6.29	1.04	32.37	25.93		
3.97	2.06	32.32	25.82		
3.98	2.29	32.30	25.78		
1.75	2.41	32.32	25.80		
1.76	3.09	32.32	25.74		

Station 165	Profile 2	Latitude	80.46	Longitude	-13.65
p / dbar	T / C	Salinity	Sigma-t		
318.75	0.52	34.74	27.87		
319.59	0.52	34.74	27.87		
269.84	0.61	34.72	27.84		
269.83	0.61	34.72	27.84		
199.80	0.38	34.62	27.78		
150.39	-0.77	34.02	27.35		
100.74	-1.62	32.92	26.49		
51.27	-1.75	32.43	26.09		
19.97	-0.88	32.38	26.03		
19.98	-0.84	32.38	26.02		
20.01	0.96	32.33	25.90		
20.03	-0.87	32.40	26.04		

Station 166	Profile 0	Latitude	80.45	Longitude	-15.44
p / dbar	T / C	Salinity	Sigma-t		
183.84	0.35	34.60	27.76		
150.19	0.17	34.51	27.70		
100.24	-0.83	33.77	27.15		
74.57	-1.54	32.71	26.32		
49.53	-1.73	32.25	25.95		
27.77	-1.68	32.08	25.80		
23.32	-1.58	32.03	25.77		
16.38	-1.51	31.93	25.68		
11.01	-1.11	31.63	25.43		
6.36	-0.56	31.20	25.06		
3.45	-0.41	31.02	24.91		
2.02	0.60	29.48	23.63		

Station 167	Profile 0	Latitude	80.39	Longitude	-15.09
p / dbar	T / C	Salinity	Sigma-t		
212.85	0.52	34.67	27.81		
201.44	0.51	34.67	27.81		
150.77	0.05	34.46	27.67		
100.55	-1.34	33.38	26.85		
49.90	-1.75	32.36	26.03		
25.77	-1.64	32.32	26.00		
23.88	-1.60	32.31	25.99		
18.61	-1.48	32.29	25.97		
11.75	-1.33	32.26	25.94		
5.20	-1.30	32.25	25.93		
3.75	-1.08	32.16	25.85		
1.87	2.63	29.90	23.84		

Station 168	Profile 0	Latitude	80.32	Longitude	-14.71
p / dbar	T / C	Salinity	Sigma-t		
344.78	0.52	34.74	27.86		
149.17	-0.32	34.30	27.56		
100.11	-1.47	32.95	26.51		
50.79	-1.75	32.37	26.04		
50.79	-1.75	32.37	26.04		
32.66	-1.72	32.35	26.03		
32.68	-1.73	32.35	26.03		
19.20	-1.72	32.33	26.01		
19.22	-1.74	32.34	26.01		
19.23	-1.72	32.33	26.01		
19.24	-1.74	32.34	26.02		
1.84	2.10	31.87	25.45		

Station 168	Profile 1	Latitude	80.32	Longitude	-14.71
p / dbar	T / C	Salinity	Sigma-t		
26.75	-1.67	32.33	26.00		
26.77	-1.66	32.33	26.00		
19.46	-1.67	32.29	25.97		
19.48	-1.69	32.29	25.98		
11.94	-1.10	32.25	25.93		
11.95	-1.10	32.25	25.93		
8.08	-0.26	32.20	25.86		
8.08	0.54	32.10	25.74		
8.11	0.00	32.21	25.86		
4.74	0.94	32.01	25.64		
1.76	0.37	32.17	25.80		
1.76	1.50	31.88	25.51		

Station 169	Profile 0	Latitude	80.24	Longitude	-14.35
p / dbar	T / C	Salinity	Sigma-t		
273.51	0.63	34.71	27.84		
199.50	0.05	34.54	27.73		
149.57	-0.80	34.11	27.42		
99.10	-1.60	32.83	26.41		
50.29	-1.66	32.41	26.07		
22.16	-1.13	32.37	26.03		
17.75	-0.84	32.35	26.00		
12.48	-0.59	32.35	25.99		
7.12	-0.98	32.36	26.01		
3.98	1.40	32.33	25.87		
2.42	0.68	32.33	25.92		
1.66	2.56	32.31	25.78		

Station 170	Profile 0	Latitude	80.17	Longitude	-14.00
p / dbar	T / C	Salinity	Sigma-t		
138.92	-1.27	33.57	27.01		
138.92	-1.27	33.57	27.01		
100.18	-1.60	32.87	26.44		
50.12	-1.75	32.41	26.07		
33.49	-1.73	32.38	26.05		
29.29	-1.73	32.38	26.05		
20.13	-1.70	32.37	26.04		
12.53	-1.49	32.35	26.02		
7.37	-1.31	32.33	26.00		
4.98	-1.09	32.32	25.99		
4.99	-1.15	32.33	26.00		
1.89	0.83	32.34	25.91		

Station 171	Profile 0	Latitude	80.09	Longitude	-13.66
p / dbar	T / C	Salinity	Sigma-t		
202.40	-0.87	33.91	27.27		
202.38	-0.87	33.91	27.27		
150.11	-1.09	33.64	27.06		
99.93	-1.70	32.53	26.17		
50.43	-1.72	32.44	26.10		
21.68	-1.37	32.41	26.07		
20.62	-0.53	32.38	26.02		
19.91	0.59	32.38	25.96		
13.92	2.81	32.32	25.76		
8.59	2.70	32.34	25.78		
6.20	3.55	32.32	25.70		
2.26	3.57	32.32	25.70		

Station 172	Profile 0	Latitude	80.03	Longitude	-13.32
p / dbar	T / C	Salinity	Sigma-t		
84.02	-1.73	32.45	26.11		
70.80	-1.73	32.45	26.10		
50.82	-1.72	32.44	26.10		
28.57	-1.65	32.43	26.09		
24.03	-1.55	32.41	26.07		
24.04	-1.55	32.41	26.07		
20.00	-0.02	32.30	25.93		
11.44	0.06	32.28	25.91		
7.43	0.53	32.20	25.82		
4.38	2.65	31.97	25.50		
1.86	3.58	31.77	25.26		
1.87	3.59	31.77	25.26		

Station 173	Profile 0	Latitude	79.94	Longitude	-12.98
p / dbar	T / C	Salinity	Sigma-t		
97.80	-1.71	32.49	26.14		
74.58	-1.73	32.43	26.09		
50.40	-1.73	32.43	26.09		
20.07	-1.07	32.35	26.01		
20.09	-1.22	32.35	26.01		
20.11	-1.07	32.35	26.01		
20.12	-1.02	32.34	26.00		
13.12	0.15	32.18	25.82		
7.76	1.19	31.92	25.56		
4.97	1.19	31.79	25.46		
1.89	1.45	31.22	24.98		
1.90	1.56	30.88	24.70		

Station 175	Profile 0	Latitude	79.81	Longitude	-12.39
p / dbar	T / C	Salinity	Sigma-t		
247.08	-0.24	34.34	27.59		
100.34	-1.76	32.45	26.11		
50.26	-1.75	32.39	26.06		
46.02	-1.73	32.36	26.04		
42.94	-1.73	32.36	26.03		
31.53	-1.71	32.31	25.99		
19.96	-1.67	32.21	25.91		
10.74	-1.62	32.13	25.84		
5.90	-1.53	31.70	25.49		
2.89	-1.53	31.79	25.56		
2.09	-1.55	31.81	25.58		
2.12	-1.55	31.77	25.55		

Station 176	Profile 0	Latitude	79.74	Longitude	-12.05
p / dbar	T / C	Salinity	Sigma-t		
234.87	-0.20	34.37	27.61		
149.94	-1.11	33.45	26.90		
100.89	-1.76	32.45	26.11		
50.31	-1.75	32.38	26.05		
40.71	-1.74	32.36	26.04		
34.29	-1.74	32.34	26.02		
20.25	-1.69	32.20	25.90		
12.11	-1.62	32.16	25.87		
6.89	-1.58	32.08	25.80		
4.05	-1.58	32.08	25.80		
2.07	-1.59	32.08	25.81		
2.14	-1.59	32.10	25.82		

Station 177	Profile 0	Latitude	79.65	Longitude	-11.80
p / dbar	T / C	Salinity	Sigma-t		
276.67	-0.14	34.41	27.64		
200.10	-0.34	34.27	27.54		
150.03	-1.18	33.35	26.83		
100.44	-1.76	32.46	26.11		
50.53	-1.75	32.41	26.07		
35.54	-1.72	32.30	25.98		
30.78	-1.70	32.23	25.93		
23.27	-1.69	32.21	25.91		
15.44	-1.67	32.18	25.88		
9.09	-1.66	32.14	25.86		
6.09	-1.64	32.12	25.83		
2.02	-1.33	30.12	24.20		

Station 178	Profile 0	Latitude	79.87	Longitude	-12.62
p / dbar	T / C	Salinity	Sigma-t		
149.88	-0.85	33.75	27.13		
150.02	-0.85	33.75	27.14		
100.70	-1.75	32.46	26.12		
74.24	-1.75	32.44	26.10		
49.81	-1.74	32.39	26.06		
37.39	-1.73	32.33	26.01		
30.23	-1.71	32.29	25.97		
20.02	-1.69	32.25	25.94		
9.81	-1.63	32.15	25.86		
4.95	-1.60	32.11	25.83		
4.96	-1.60	32.12	25.83		
1.88	-1.62	32.13	25.85		



Station 179	Profile 0	Latitude	80.62	Longitude	-11.32
p / dbar	T / C	Salinity	Sigma-t		
244.70	0.37	34.77	27.90		
150.13	-0.21	34.36	27.60		
99.84	-1.55	32.77	26.36		
50.93	-1.64	32.38	26.05		
28.97	-1.38	32.32	25.99		
28.98	-1.38	32.32	25.99		
28.98	-1.40	32.32	26.00		
28.99	-1.39	32.32	26.00		
29.00	-1.39	32.32	26.00		
26.98	-1.31	32.29	25.97		
26.98	-1.31	32.29	25.97		
2.24	-0.63	31.45	25.27		

Station 179	Profile 1	Latitude	80.61	Longitude	-11.32
p / dbar	T / C	Salinity	Sigma-t		
24.86	-1.09	32.27	25.94		
24.87	-1.08	32.27	25.94		
15.75	-1.09	32.00	25.72		
15.75	-1.02	32.04	25.75		
11.54	-0.73	31.84	25.59		
11.54	-0.61	31.74	25.50		
8.16	-0.09	31.37	25.18		
8.18	-0.08	31.37	25.18		
5.73	-0.05	31.34	25.15		
5.75	-0.07	31.36	25.17		
2.20	0.45	31.12	24.95		
2.15	0.46	31.12	24.96		

Station 179	Profile 2	Latitude	80.61	Longitude	-11.30
p / dbar	T / C	Salinity	Sigma-t		
249.73	0.37	34.77	27.90		
200.15	0.42	34.67	27.82		
149.78	-0.14	34.39	27.62		
99.50	-1.50	32.85	26.42		
50.01	-1.65	32.39	26.06		
27.46	-1.31	32.30	25.97		
27.46	-1.31	32.30	25.97		
27.48	-1.31	32.30	25.97		
27.49	-1.32	32.30	25.97		
27.49	-1.42	32.31	25.99		
2.10	0.12	31.26	25.08		
2.09	0.08	31.27	25.09		

Station 180	Profile 0	Latitude	80.51	Longitude	-10.00
p / dbar	T / C	Salinity	Sigma-t		
245.93	0.38	34.76	27.89		
199.01	0.30	34.62	27.78		
150.30	-0.54	34.20	27.49		
99.50	-1.60	32.83	26.41		
50.25	-1.66	32.40	26.06		
23.83	-1.32	32.33	26.00		
19.83	-1.19	32.32	25.99		
15.95	-0.96	32.30	25.97		
8.19	0.46	32.28	25.89		
5.86	0.85	31.89	25.55		
4.13	1.10	31.73	25.41		
1.94	1.60	31.43	25.14		

Station 181	Profile 0	Latitude	80.59	Longitude	-10.39
p / dbar	T / C	Salinity	Sigma-t		
279.16	0.37	34.78	27.91		
199.43	0.30	34.71	27.85		
151.47	0.13	34.52	27.71		
99.40	-1.34	33.20	26.71		
50.68	-1.68	32.38	26.05		
26.32	-1.53	32.29	25.97		
22.10	-1.50	32.25	25.94		
14.72	-0.97	32.16	25.85		
9.06	2.05	31.74	25.36		
5.47	2.18	31.61	25.25		
2.82	1.91	31.66	25.30		
1.94	2.70	31.20	24.88		

Station 182	Profile 0	Latitude	80.66	Longitude	-10.81
p / dbar	T / C	Salinity	Sigma-t		
216.92	0.34	34.73	27.87		

Station 182	Profile 1	Latitude	80.65	Longitude	-10.78
p / dbar	T / C	Salinity	Sigma-t		
224.64	0.35	34.74	27.87		
200.86	0.33	34.72	27.86		
149.50	0.17	34.58	27.76		
100.20	-1.24	33.08	26.61		
49.69	-1.65	32.35	26.03		
17.62	-0.82	31.83	25.58		
16.47	-0.82	31.81	25.57		
13.23	-0.72	31.49	25.30		
9.47	-0.33	31.14	25.00		
6.92	-0.13	31.04	24.91		
4.44	0.98	30.28	24.25		
2.04	0.59	30.55	24.49		

Station 183	Profile 1	Latitude	80.73	Longitude	-11.18
p / dbar	T / C	Salinity	Sigma-t		
113.96	-0.82	33.61	27.02		
113.96	-0.81	33.62	27.03		
100.93	-1.23	33.20	26.70		
49.38	-1.71	32.38	26.05		
19.05	-1.50	32.34	26.02		
19.07	-1.51	32.34	26.01		
14.28	-1.22	32.28	25.96		
12.22	-0.58	32.10	25.79		
8.92	-0.72	32.09	25.78		
6.73	0.03	31.49	25.27		
4.25	1.60	30.03	24.02		
2.55	1.94	29.37	23.47		

Station 184	Profile 0	Latitude	80.80	Longitude	-11.60
p / dbar	T / C	Salinity	Sigma-t		
203.66	-0.28	34.12	27.41		
173.92	-0.34	34.05	27.36		
149.77	-0.48	33.93	27.27		
99.47	-0.74	33.63	27.04		
50.66	-1.52	32.66	26.27		
14.65	0.03	30.90	24.80		
14.66	0.02	30.93	24.82		
11.43	-0.02	30.94	24.83		
7.57	0.03	30.91	24.81		
5.15	0.27	30.72	24.64		
5.16	0.35	30.53	24.49		
2.27	0.86	29.70	23.80		

Station 185	Profile 0	Latitude	80.87	Longitude	-12.01
p / dbar	T / C	Salinity	Sigma-t		
143.90	-0.52	33.89	27.24		
143.95	-0.52	33.89	27.24		
143.95	-0.52	33.89	27.24		
100.64	-0.67	33.71	27.09		
50.41	-1.37	32.90	26.46		
14.76	-1.02	31.58	25.38		
14.78	-1.00	31.58	25.38		
10.44	0.04	31.04	24.91		
7.47	1.35	30.35	24.28		
4.87	1.58	29.85	23.87		
4.87	1.71	29.57	23.64		
1.83	1.85	29.14	23.29		

Station 186	Profile 1	Latitude	80.95	Longitude	-12.48
p / dbar	T / C	Salinity	Sigma-t		
62.50	-1.16	33.08	26.60		
62.49	-1.17	33.08	26.60		
18.09	-0.82	31.50	25.31		
18.09	-0.82	31.50	25.31		
13.68	-0.46	31.27	25.11		
13.70	-0.54	31.36	25.19		
9.22	0.63	30.88	24.75		
9.25	1.31	30.48	24.39		
5.99	1.52	30.27	24.22		
5.99	1.51	30.27	24.22		
3.31	2.48	29.24	23.33		
3.31	2.41	29.44	23.49		

Station 187	Profile 0	Latitude	81.00	Longitude	-12.81
p / dbar	T / C	Salinity	Sigma-t		
44.47	-1.19	32.30	25.97		
44.85	-1.20	32.29	25.96		
17.37	-1.23	31.26	25.13		
11.82	-1.06	31.11	25.01		
7.11	-0.77	30.96	24.87		
4.55	-0.63	30.90	24.82		
3.39	0.23	30.35	24.35		
2.72	-0.53	30.84	24.77		
1.80	0.60	30.15	24.17		
1.82	0.35	30.29	24.29		
1.80	0.22	30.36	24.36		
1.82	0.17	30.40	24.39		

Station 188	Profile 0	Latitude	81.25	Longitude	-11.49
p / dbar	T / C	Salinity	Sigma-t		
38.92	-1.50	31.44	25.28		
38.92	-1.50	31.44	25.28		
20.21	-1.36	31.22	25.10		
17.07	-1.27	31.19	25.07		
12.10	-0.99	31.13	25.02		
8.62	-0.66	30.99	24.89		
6.30	-0.03	30.79	24.71		
4.64	0.08	30.80	24.71		
2.11	1.64	28.86	23.08		
2.11	1.97	28.54	22.81		
2.13	1.46	29.29	23.43		
2.12	2.19	28.24	22.54		

Station 189	Profile 0	Latitude	81.17	Longitude	-10.98
p / dbar	T / C	Salinity	Sigma-t		
60.33	-1.23	32.78	26.36		
60.34	-1.24	32.76	26.34		
51.12	-1.38	32.14	25.84		
51.14	-1.39	32.09	25.81		
21.99	-1.50	31.17	25.06		
22.01	-1.43	31.14	25.04		
9.96	-1.04	30.82	24.77		
9.95	-0.91	30.72	24.68		
9.96	-0.98	30.79	24.74		
9.97	-1.06	30.85	24.80		
2.16	-0.25	30.05	24.12		
2.16	0.19	29.67	23.80		

Station 190	Profile 0	Latitude	81.08	Longitude	-10.49
p / dbar	T / C	Salinity	Sigma-t		
43.28	-1.49	32.29	25.97		
43.27	-1.49	32.29	25.97		
20.25	-1.23	31.37	25.22		
20.26	-1.22	31.36	25.21		
17.23	-0.91	31.14	25.02		
15.45	-0.82	31.06	24.95		
10.69	-0.67	30.91	24.83		
6.78	-0.67	30.87	24.80		
5.28	-0.62	30.81	24.75		
3.19	-0.33	30.49	24.48		
3.20	-0.29	30.45	24.45		
1.97	-0.20	30.33	24.34		

Station 191	Profile 0	Latitude	81.00	Longitude	-10.17
p / dbar	T / C	Salinity	Sigma-t		
38.53	-1.21	31.94	25.68		
19.12	-1.23	31.40	25.24		
19.14	-1.21	31.40	25.24		
16.81	-0.96	31.26	25.12		
13.19	-0.64	31.07	24.96		
9.69	-0.25	30.91	24.82		
5.32	0.18	30.71	24.64		
2.66	0.83	30.47	24.41		
2.66	0.43	30.62	24.55		
1.71	0.84	30.38	24.34		
1.72	0.91	30.32	24.29		
1.72	0.73	30.51	24.45		

Station 192	Profile 0	Latitude	80.94	Longitude	-9.76
p / dbar	T / C	Salinity	Sigma-t		
45.59	-1.42	32.16	25.86		
45.58	-1.42	32.16	25.86		
17.31	-0.87	31.33	25.18		
17.31	-0.88	31.34	25.18		
15.63	-0.88	31.34	25.18		
15.63	-0.86	31.33	25.18		
15.64	-0.82	31.29	25.14		
15.64	-0.66	31.16	25.03		
1.80	0.10	30.47	24.45		
1.83	0.14	30.43	24.41		
1.84	0.37	30.24	24.25		
1.84	0.41	30.22	24.23		

Station 192	Profile 1	Latitude	80.94	Longitude	-9.79
p / dbar	T / C	Salinity	Sigma-t		
48.20	-1.42	32.17	25.87		
40.40	-1.42	32.15	25.85		
30.40	-1.14	31.88	25.63		
20.15	-1.02	31.46	25.28		
16.55	-1.00	31.45	25.28		
16.55	-0.98	31.42	25.26		
14.45	-0.99	31.44	25.26		
11.51	-0.98	31.43	25.26		
8.68	-0.46	30.98	24.88		
6.28	-0.59	31.10	24.98		
4.85	-0.26	30.86	24.78		
1.84	0.42	30.17	24.20		

Station 193	Profile 0	Latitude	81.20	Longitude	-9.17
p / dbar	T / C	Salinity	Sigma-t		
99.03	-0.88	34.11	27.43		
75.40	-1.68	33.13	26.65		
50.87	-1.45	32.21	25.90		
30.80	-1.31	31.60	25.41		
19.82	-1.33	31.41	25.25		
18.31	-1.33	31.32	25.18		
14.32	-1.16	31.12	25.01		
9.65	-0.82	30.96	24.87		
6.16	-0.14	30.75	24.68		
3.56	-0.25	30.79	24.72		
1.77	-0.09	30.74	24.67		
1.78	-0.09	30.74	24.67		

Station 194	Profile 0	Latitude	81.27	Longitude	-9.59
p / dbar	T / C	Salinity	Sigma-t		
107.91	-0.47	34.28	27.55		
74.40	-1.26	32.95	26.50		
51.05	-1.43	32.31	25.99		
30.42	-1.20	31.50	25.33		
21.52	-0.86	31.01	24.91		
19.67	-1.14	31.08	24.98		
16.02	-1.18	31.05	24.95		
10.77	-0.33	30.86	24.78		
8.12	0.46	30.73	24.64		
5.21	0.84	30.66	24.57		
2.12	0.81	30.66	24.56		
2.10	-0.11	30.85	24.76		

Station 195	Profile 0	Latitude	81.33	Longitude	-10.00
p / dbar	T / C	Salinity	Sigma-t		
124.72	-0.13	34.52	27.73		
100.31	-0.69	34.07	27.39		
75.45	-1.74	33.42	26.90		
50.88	-1.63	32.40	26.06		
32.84	-1.34	31.25	25.12		
29.38	-1.34	31.17	25.06		
21.01	-1.33	30.90	24.84		
13.70	-1.26	30.79	24.75		
8.62	-1.12	30.72	24.69		
5.31	-0.91	30.67	24.64		
1.89	-0.99	30.69	24.66		
1.87	-1.01	30.70	24.67		

Station 196	Profile 0	Latitude	81.40	Longitude	-10.43
p / dbar	T / C	Salinity	Sigma-t		
116.37	-0.44	34.36	27.61		
100.31	-0.83	33.96	27.30		
75.10	-1.71	33.37	26.85		
50.33	-1.56	32.44	26.10		
34.93	-1.42	31.21	25.09		
31.31	-1.37	31.18	25.07		
22.56	-1.32	31.14	25.03		
14.53	-0.84	30.82	24.77		
9.42	-0.15	30.71	24.65		
6.11	0.17	30.65	24.59		
1.95	0.53	30.62	24.55		
1.97	0.56	30.62	24.54		

Station 197	Profile 0	Latitude	81.47	Longitude	-10.85
p / dbar	T / C	Salinity	Sigma-t		
90.16	-0.89	34.07	27.40		
90.15	-0.89	34.07	27.40		
75.00	-1.24	33.44	26.90		
50.01	-1.61	32.04	25.77		
45.42	-1.60	31.81	25.58		
44.50	-1.60	31.80	25.58		
44.51	-1.61	31.83	25.60		
28.38	-1.43	31.18	25.07		
28.40	-1.37	31.11	25.01		
28.40	-1.40	31.17	25.06		
28.41	-1.36	31.11	25.01		
1.81	-0.36	30.70	24.65		

Station 198	Profile 0	Latitude	81.53	Longitude	-11.25
p / dbar	T / C	Salinity	Sigma-t		
128.96	-0.34	34.47	27.69		
128.97	-0.34	34.47	27.69		
100.36	-0.83	34.19	27.49		
75.49	-1.65	33.00	26.55		
49.99	-1.63	31.68	25.48		
25.55	-1.38	31.11	25.01		
21.80	-1.34	31.06	24.97		
16.52	-1.15	30.95	24.88		
10.63	-0.90	30.85	24.79		
6.47	-0.73	30.76	24.71		
6.47	-0.72	30.76	24.71		
1.79	-0.75	30.78	24.72		

Station 199	Profile 0	Latitude	81.59	Longitude	-11.66
p / dbar	T / C	Salinity	Sigma-t		
98.59	-0.76	34.17	27.47		
98.65	-0.76	34.17	27.47		
75.36	-1.41	33.38	26.85		
50.24	-1.61	32.01	25.75		
27.69	-1.20	31.11	25.00		
27.71	-1.19	31.11	25.00		
23.43	-1.17	31.02	24.93		
17.27	-1.12	30.59	24.58		
9.93	-0.99	30.50	24.51		
6.17	-0.16	30.02	24.09		
6.18	-0.03	29.97	24.05		
1.67	1.86	28.41	22.71		

Station 200	Profile 0	Latitude	81.67	Longitude	-12.08
p / dbar	T / C	Salinity	Sigma-t		
140.16	-0.20	34.55	27.75		
140.08	-0.20	34.54	27.75		
100.65	-0.95	34.22	27.52		
50.40	-1.67	32.45	26.10		
31.55	-1.58	31.50	25.33		
27.48	-1.21	31.16	25.05		
22.18	-1.22	30.96	24.89		
13.82	-0.83	30.68	24.65		
7.47	-0.43	30.58	24.55		
4.65	0.31	30.44	24.41		
1.76	1.38	30.11	24.09		
1.76	1.68	29.87	23.88		

Station 201	Profile 0	Latitude	81.73	Longitude	-12.50
p / dbar	T / C	Salinity	Sigma-t		
164.06	0.03	34.65	27.82		
150.67	-0.11	34.59	27.78		
100.50	-1.00	34.12	27.44		
50.32	-1.61	32.29	25.98		
50.35	-1.61	32.29	25.97		
32.40	-1.54	31.32	25.19		
32.41	-1.55	31.31	25.18		
23.59	-1.43	31.08	24.99		
23.60	-1.45	31.08	24.99		
23.61	-1.46	31.08	24.99		
23.61	-1.45	31.08	24.99		
1.67	0.86	30.34	24.30		

Station 201	Profile 1	Latitude	81.73	Longitude	-12.51
p / dbar	T / C	Salinity	Sigma-t		
23.80	-1.42	31.06	24.97		
23.79	-1.42	31.05	24.97		
13.28	-0.64	30.65	24.62		
13.29	-0.56	30.65	24.62		
8.04	-0.12	30.51	24.49		
8.04	-0.14	30.53	24.50		
4.26	0.33	30.43	24.40		
4.26	0.28	30.44	24.41		
2.69	0.24	30.44	24.41		
2.69	0.24	30.44	24.42		
1.81	0.26	30.44	24.42		
1.81	1.61	30.11	24.08		

Station 202	Profile 0	Latitude	81.77	Longitude	-12.16
p / dbar	T / C	Salinity	Sigma-t		
176.06	0.08	34.67	27.84		
150.10	0.02	34.65	27.82		
99.94	-0.76	34.27	27.55		
49.51	-1.59	32.38	26.05		
24.85	-1.38	31.15	25.04		
23.13	-1.25	31.03	24.95		
18.47	-1.19	30.93	24.86		
12.38	-1.02	30.77	24.73		
8.16	-0.94	30.71	24.68		
5.54	-0.35	30.31	24.33		
1.86	0.83	29.56	23.68		
1.87	0.68	29.64	23.75		

Station 203	Profile 0	Latitude	81.81	Longitude	-11.86
p / dbar	T / C	Salinity	Sigma-t		
181.18	0.17	34.71	27.86		
150.07	0.00	34.64	27.82		
100.01	-0.80	34.27	27.55		
50.04	-1.62	32.15	25.86		
30.14	-1.36	31.09	25.00		
20.42	-1.08	30.85	24.79		
10.16	-0.13	30.20	24.24		
10.17	-0.47	30.42	24.43		
5.28	0.34	29.99	24.05		
2.00	0.51	29.78	23.87		
2.00	0.51	29.78	23.87		
2.01	0.47	29.84	23.92		

Station 204	Profile 0	Latitude	81.75	Longitude	-11.41
p / dbar	T / C	Salinity	Sigma-t		
193.08	0.28	34.73	27.88		
150.71	0.10	34.66	27.83		
99.79	-0.66	34.32	27.59		
74.30	-1.32	33.67	27.09		
49.55	-1.58	32.58	26.21		
49.57	-1.58	32.57	26.20		
30.01	-1.36	31.39	25.24		
20.11	-1.10	31.14	25.02		
9.85	-0.87	30.71	24.67		
5.36	-0.17	30.15	24.20		
1.94	-0.01	30.05	24.11		
1.95	0.25	29.95	24.02		

Station 205	Profile 0	Latitude	81.69	Longitude	-11.00
p / dbar	T / C	Salinity	Sigma-t		
184.09	0.25	34.73	27.87		
148.25	0.10	34.67	27.83		
100.35	-0.71	34.30	27.57		
74.65	-1.38	33.68	27.09		
50.19	-1.57	32.66	26.27		
50.26	-1.57	32.66	26.27		
30.55	-1.56	31.76	25.54		
19.73	-1.25	31.16	25.04		
10.40	-0.97	30.75	24.71		
4.78	-0.78	30.59	24.57		
1.81	1.11	29.42	23.56		
1.82	1.38	29.26	23.41		



Station 206	Profile 0	Latitude	81.62	Longitude	-10.57
p / dbar	T / C	Salinity	Sigma-t		
225.57	0.42	34.79	27.91		
150.26	0.07	34.66	27.83		
99.58	-0.88	34.11	27.43		
50.14	-1.56	32.59	26.21		
39.60	-1.58	32.09	25.81		
39.62	-1.58	32.08	25.80		
39.63	-1.59	32.06	25.79		
29.03	-1.44	31.47	25.30		
29.04	-1.42	31.41	25.26		
29.04	-1.36	31.35	25.20		
29.05	-1.34	31.30	25.16		
1.80	-0.02	30.27	24.29		

Station 206	Profile 1	Latitude	81.62	Longitude	-10.55
p / dbar	T / C	Salinity	Sigma-t		
31.53	-1.59	31.69	25.49		
31.53	-1.56	31.67	25.47		
16.80	-1.21	30.90	24.84		
16.80	-1.22	30.90	24.84		
9.30	-0.57	30.56	24.54		
9.31	-0.50	30.52	24.51		
5.74	-0.62	30.51	24.50		
5.75	-0.49	30.52	24.51		
5.75	-0.44	30.51	24.50		
5.76	-0.50	30.53	24.52		
1.72	0.76	29.76	23.84		
1.71	0.78	29.82	23.89		

Station 207	Profile 0	Latitude	81.55	Longitude	-10.16
p / dbar	T / C	Salinity	Sigma-t		
181.64	0.29	34.74	27.88		
150.14	0.07	34.66	27.83		
100.76	-0.87	34.07	27.39		
51.00	-1.56	32.27	25.95		
35.17	-1.37	31.33	25.19		
29.83	-1.26	31.07	24.98		
19.75	-0.99	30.79	24.74		
12.20	-0.79	30.66	24.63		
7.91	-0.78	30.66	24.63		
4.80	-0.81	30.68	24.65		
1.73	0.09	30.27	24.28		
1.75	0.29	30.07	24.12		

Station 208	Profile 0	Latitude	81.48	Longitude	-9.73
p / dbar	T / C	Salinity	Sigma-t		
214.81	0.38	34.79	27.92		
200.48	0.37	34.79	27.91		
150.06	0.10	34.66	27.83		
100.08	-0.66	34.18	27.47		
50.50	-1.59	32.41	26.07		
41.10	-1.53	31.87	25.63		
31.48	-1.37	31.43	25.27		
19.33	-1.07	30.76	24.72		
11.17	-0.31	30.54	24.52		
7.36	-0.15	30.47	24.46		
3.57	0.19	30.31	24.31		
1.86	0.31	30.22	24.24		

Station 209	Profile 0	Latitude	81.41	Longitude	-9.41
p / dbar	T / C	Salinity	Sigma-t		
203.24	0.52	34.79	27.91		
149.98	0.09	34.65	27.82		
101.12	-0.88	34.24	27.54		
50.28	-1.57	32.47	26.12		
33.51	-1.42	31.50	25.33		
30.83	-1.27	31.25	25.12		
22.04	-1.06	30.69	24.66		
13.97	-1.16	30.62	24.61		
8.62	-0.71	30.59	24.57		
5.86	-0.56	30.55	24.54		
2.16	-0.06	30.51	24.48		
2.15	-0.08	30.50	24.48		

Station 210	Profile 0	Latitude	81.34	Longitude	-8.99
p / dbar	T / C	Salinity	Sigma-t		
443.94	0.45	34.85	27.96		
198.82	0.35	34.76	27.89		
150.30	-0.20	34.57	27.77		
100.32	-1.10	33.99	27.34		
50.11	-1.59	32.66	26.28		
29.16	-1.52	31.67	25.47		
26.20	-1.47	31.46	25.30		
19.67	-1.21	31.07	24.98		
13.02	-0.28	30.68	24.63		
8.60	0.10	30.59	24.54		
5.46	0.01	30.58	24.54		
2.15	0.25	30.47	24.44		

Station 211	Profile 0	Latitude	81.28	Longitude	-8.53
p / dbar	T / C	Salinity	Sigma-t		
952.95	-0.06	34.89	28.02		
799.69	0.09	34.88	28.00		
600.04	0.28	34.87	27.99		
400.22	0.50	34.85	27.96		
200.04	-0.01	34.61	27.79		
149.64	-1.13	34.26	27.56		
99.61	-1.73	33.88	27.27		
49.95	-1.48	33.01	26.55		
29.99	-1.55	31.86	25.62		
20.29	-1.51	31.46	25.30		
9.26	-1.13	30.83	24.78		
2.06	-0.77	30.70	24.67		

Station 212	Profile 0	Latitude	81.24	Longitude	-8.83
p / dbar	T / C	Salinity	Sigma-t		
379.44	0.50	34.83	27.94		
199.63	0.39	34.75	27.88		
148.38	-0.36	34.52	27.73		
100.50	-1.52	33.95	27.32		
49.41	-1.48	32.49	26.13		
41.35	-1.40	32.22	25.91		
30.69	-1.60	31.60	25.41		
20.47	-1.10	31.04	24.95		
10.29	-0.78	30.80	24.74		
5.52	-0.59	30.75	24.70		
1.78	-0.34	30.69	24.64		
1.80	-0.28	30.68	24.63		

Station 213	Profile 0	Latitude	81.39	Longitude	-6.75
p / dbar	T / C	Salinity	Sigma-t		
2765.79	-0.77	34.92	28.08		
2000.39	-0.66	34.91	28.07		
1500.68	-0.51	34.91	28.06		
1000.44	-0.19	34.88	28.02		
499.30	1.00	34.89	27.96		
200.73	2.54	34.89	27.84		
150.76	-0.92	34.33	27.61		
100.43	-1.47	33.80	27.20		
50.01	-1.78	32.95	26.51		
29.97	-1.51	31.96	25.70		
15.77	-1.45	31.15	25.04		
1.80	0.35	30.75	24.66		

Station 214	Profile 0	Latitude	81.35	Longitude	-7.28
p / dbar	T / C	Salinity	Sigma-t		
2029.02	-0.54	34.92	28.07		
1500.31	-0.46	34.91	28.06		
998.05	-0.13	34.89	28.02		
499.83	1.40	34.91	27.95		
200.92	2.65	34.90	27.84		
150.70	-0.71	34.42	27.67		
100.42	-1.78	33.84	27.23		
50.35	-1.73	32.87	26.45		
29.85	-1.56	32.03	25.76		
20.80	-1.48	31.47	25.31		
10.65	-1.17	31.05	24.96		
2.17	0.10	30.78	24.69		

Station 215	Profile 0	Latitude	81.25	Longitude	-8.40
p / dbar	T / C	Salinity	Sigma-t		
991.08	-0.01	34.88	28.01		
799.09	0.11	34.88	28.00		

Station 216	Profile 0	Latitude	81.24	Longitude	-8.73
p / dbar	T / C	Salinity	Sigma-t		
496.29	0.45	34.86	27.96		
399.21	0.47	34.85	27.95		
300.03	0.48	34.82	27.94		
200.51	0.60	34.78	27.89		
150.34	-0.25	34.49	27.71		
100.83	-1.49	33.97	27.33		
49.59	-1.48	32.63	26.25		
30.78	-1.56	31.56	25.38		
20.01	-1.09	30.98	24.90		
10.19	0.24	30.69	24.62		
5.40	0.64	30.66	24.58		
2.23	1.03	30.61	24.52		

Station 217	Profile 0	Latitude	80.45	Longitude	-13.66
p / dbar	T / C	Salinity	Sigma-t		
314.23	0.49	34.74	27.87		
150.93	-0.32	34.32	27.58		
100.65	-1.53	33.01	26.56		
50.69	-1.73	32.37	26.04		
50.74	-1.73	32.37	26.04		
29.88	-1.61	32.31	25.99		
29.91	-1.61	32.31	25.99		
13.17	-1.32	32.19	25.89		
11.76	-1.08	32.19	25.88		
11.76	-1.00	32.19	25.88		
11.76	-1.05	32.20	25.88		
2.04	3.13	28.33	22.55		

Station 217	Profile 1	Latitude	80.45	Longitude	-13.65
p / dbar	T / C	Salinity	Sigma-t		
23.75	-1.62	32.32	26.00		
23.77	-1.63	32.32	26.00		
16.90	-1.61	32.30	25.98		
16.90	-1.61	32.30	25.99		
10.51	-1.53	32.24	25.93		
10.52	-1.49	32.26	25.95		
6.57	-1.44	32.23	25.92		
6.59	-1.50	32.25	25.94		
3.82	-0.71	31.73	25.50		
3.82	-0.95	31.92	25.65		
1.85	4.66	24.30	19.23		
1.85	5.09	23.68	18.71		

Station 217	Profile 2	Latitude	80.45	Longitude	-13.64
p / dbar	T / C	Salinity	Sigma-t		
315.11	0.52	34.75	27.87		
315.14	0.52	34.74	27.87		
265.42	0.64	34.72	27.84		
200.21	0.37	34.62	27.78		
150.93	-0.38	34.30	27.56		
100.21	-1.50	33.01	26.55		
50.86	-1.74	32.38	26.05		
13.11	-1.07	32.28	25.95		
10.27	-0.03	32.27	25.90		
10.28	-0.04	32.29	25.92		
10.28	-0.04	32.28	25.92		
10.29	-0.04	32.28	25.91		

Station 218	Profile 0	Latitude	79.89	Longitude	-11.00
p / dbar	T / C	Salinity	Sigma-t		
167.35	-0.61	34.02	27.34		
167.36	-0.61	34.02	27.34		
149.35	-0.96	33.59	27.01		
100.79	-1.76	32.45	26.11		
50.54	-1.74	32.37	26.04		
23.73	-1.64	32.17	25.88		
20.32	-1.57	32.13	25.84		
15.33	-1.28	31.80	25.57		
9.14	-1.27	31.81	25.58		
5.87	-1.19	31.69	25.48		
3.63	-1.11	31.55	25.36		
1.90	-0.71	25.36	20.34		

Station 219	Profile 0	Latitude	80.00	Longitude	-10.99
p / dbar	T / C	Salinity	Sigma-t		
99.19	-1.74	32.41	26.08		
99.19	-1.74	32.41	26.08		
70.22	-1.74	32.40	26.07		
50.54	-1.74	32.40	26.06		
32.35	-1.71	32.34	26.02		
30.45	-1.70	32.32	26.00		
23.58	-1.67	32.29	25.98		
12.20	-1.62	32.23	25.92		
12.22	-1.64	32.26	25.95		
12.22	-1.64	32.25	25.94		
12.23	-1.66	32.28	25.97		
2.39	-1.63	32.22	25.92		

Station 219	Profile 1	Latitude	79.99	Longitude	-10.96
p / dbar	T / C	Salinity	Sigma-t		
25.07	-1.68	32.31	25.99		
25.07	-1.68	32.31	25.99		
15.27	-1.60	32.21	25.91		
15.28	-1.59	32.21	25.91		
9.32	-1.60	32.19	25.89		
9.36	-1.59	32.16	25.87		
5.42	-1.60	32.19	25.89		
5.45	-1.61	32.19	25.89		
5.42	-1.61	32.14	25.85		
2.60	-1.61	32.14	25.85		
2.64	-1.60	32.00	25.74		
2.62	-1.62	32.19	25.89		

Station 220	Profile 0	Latitude	80.10	Longitude	-11.01
p / dbar	T / C	Salinity	Sigma-t		
140.11	-1.06	33.39	26.85		
140.12	-1.06	33.39	26.85		
99.80	-1.76	32.45	26.11		
75.67	-1.76	32.45	26.10		
50.71	-1.75	32.43	26.09		
33.71	-1.72	32.39	26.06		
27.53	-1.72	32.38	26.05		
17.51	-1.71	32.35	26.03		
9.33	-1.67	32.29	25.98		
4.53	-1.63	32.17	25.87		
4.44	-1.63	32.24	25.94		
1.75	-1.62	32.12	25.83		

Station 221	Profile 0	Latitude	80.24	Longitude	-10.99
p / dbar	T / C	Salinity	Sigma-t		
149.03	-0.86	33.77	27.15		
149.02	-0.78	33.82	27.19		
100.01	-1.72	32.50	26.14		
51.26	-1.69	32.38	26.05		
51.73	-1.70	32.38	26.05		
34.85	-1.67	32.33	26.00		
34.86	-1.67	32.33	26.00		
24.72	-1.63	32.23	25.93		
24.74	-1.63	32.23	25.93		
25.15	-1.64	32.23	25.93		
25.00	-1.64	32.23	25.93		
2.96	-0.07	30.11	24.16		

Station 221	Profile 1	Latitude	80.24	Longitude	-11.01
p / dbar	T / C	Salinity	Sigma-t		
29.25	-1.63	32.23	25.93		
29.25	-1.64	32.23	25.93		
20.05	-1.45	32.19	25.89		
20.05	-1.56	32.21	25.91		
13.37	-1.16	32.00	25.73		
13.36	-1.10	32.00	25.73		
9.04	-1.06	31.79	25.55		
9.02	-1.08	31.77	25.54		
5.04	-0.88	31.12	25.00		
5.07	-0.79	30.85	24.79		
2.52	-0.80	30.97	24.88		
2.51	-0.63	29.75	23.89		

Station 222	Profile 0	Latitude	80.35	Longitude	-11.00
p / dbar	T / C	Salinity	Sigma-t		
281.50	0.39	34.82	27.94		
200.60	0.09	34.51	27.71		
150.46	-1.12	33.64	27.05		
100.67	-1.61	32.83	26.41		
50.23	-1.70	32.42	26.08		
25.14	-1.55	32.38	26.04		
24.24	-1.53	32.38	26.04		
18.21	-0.67	32.37	26.01		
11.70	2.30	32.24	25.74		
6.74	4.20	32.16	25.51		
3.91	3.32	32.19	25.62		
1.90	5.25	32.06	25.31		

Station 223	Profile 0	Latitude	80.46	Longitude	-10.98
p / dbar	T / C	Salinity	Sigma-t		
275.92	0.38	34.79	27.92		
151.01	-0.79	34.00	27.34		
100.17	-1.62	32.80	26.39		
51.06	-1.74	32.44	26.09		
51.11	-1.74	32.44	26.09		
23.51	-1.71	32.41	26.07		
23.56	-1.71	32.41	26.07		
29.48	-1.71	32.41	26.08		
29.46	-1.71	32.41	26.08		
29.47	-1.71	32.41	26.08		
29.48	-1.71	32.41	26.08		
1.88	5.28	32.09	25.34		

Station 223	Profile 1	Latitude	80.45	Longitude	-10.94
p / dbar	T / C	Salinity	Sigma-t		
26.32	-0.54	32.38	26.02		
26.34	-1.60	32.42	26.08		
18.18	-1.48	32.41	26.07		
18.19	-1.59	32.41	26.07		
12.37	-1.31	32.35	26.02		
12.36	-1.42	32.41	26.06		
7.43	0.08	32.34	25.95		
7.43	0.11	32.35	25.96		
5.68	1.58	32.29	25.83		
5.68	2.63	32.25	25.72		
1.74	5.38	32.05	25.30		
1.75	5.42	32.05	25.29		

Station 224	Profile 0	Latitude	80.58	Longitude	-11.00
p / dbar	T / C	Salinity	Sigma-t		
250.18	0.38	34.75	27.88		
200.24	0.31	34.60	27.77		
150.11	-0.38	34.28	27.54		
100.32	-1.46	33.18	26.69		
50.65	-1.72	32.39	26.06		
19.88	-1.34	32.31	25.99		
16.93	-1.16	32.31	25.98		
14.08	-1.22	32.30	25.97		
10.95	-1.00	32.26	25.93		
7.39	-0.89	32.22	25.90		
6.21	-0.51	32.06	25.75		
1.96	3.84	29.05	23.07		

Station 225	Profile 0	Latitude	80.70	Longitude	-11.00
p / dbar	T / C	Salinity	Sigma-t		
113.23	0.00	34.46	27.67		
100.74	-0.51	34.00	27.32		
49.94	-1.69	32.36	26.03		
17.76	-0.73	32.29	25.95		
15.04	0.72	32.19	25.80		
11.27	-0.43	31.77	25.52		
8.43	-0.69	31.63	25.42		
5.50	-0.50	31.47	25.28		
3.90	-0.49	31.51	25.31		
1.95	0.06	31.02	24.89		
1.95	0.07	31.03	24.90		
1.95	0.80	30.70	24.60		

Station 226	Profile 0	Latitude	80.82	Longitude	-10.99
p / dbar	T / C	Salinity	Sigma-t		
216.15	-0.22	34.16	27.44		
151.16	-0.44	33.98	27.30		
99.96	-0.66	33.72	27.10		
50.21	-1.60	32.51	26.16		
50.26	-1.60	32.51	26.15		
18.91	-1.18	31.98	25.71		
18.91	-1.16	31.99	25.72		
18.91	-1.16	31.99	25.72		
18.91	-1.16	31.98	25.71		
18.91	-1.18	31.98	25.71		
18.91	-1.22	31.97	25.70		
1.91	2.46	29.03	23.16		

Station 226	Profile 1	Latitude	80.82	Longitude	-10.88
p / dbar	T / C	Salinity	Sigma-t		
30.25	-1.33	32.21	25.90		
20.33	-1.08	31.87	25.62		
15.57	-0.72	31.65	25.43		
15.58	-0.71	31.64	25.42		
11.37	-0.03	31.10	24.96		
11.38	-0.06	31.13	24.99		
8.61	0.78	30.46	24.41		
8.63	0.08	31.05	24.92		
5.79	1.02	30.27	24.24		
5.81	1.25	30.08	24.08		
2.14	2.95	28.64	22.82		
2.14	2.95	28.64	22.82		

Station 227	Profile 0	Latitude	80.93	Longitude	-11.00
p / dbar	T / C	Salinity	Sigma-t		
83.39	-0.92	33.44	26.89		
51.10	-1.64	32.41	26.07		
23.23	-1.14	31.92	25.66		
20.73	-1.15	31.90	25.65		
15.45	-0.93	31.60	25.40		
10.96	-0.57	31.28	25.13		
7.82	-0.26	31.00	24.89		
5.64	0.25	30.49	24.46		
1.94	1.54	28.88	23.10		
1.92	1.62	28.85	23.07		
1.93	1.53	28.85	23.08		
1.94	1.60	28.84	23.07		

Station 228	Profile 0	Latitude	81.05	Longitude	-11.00
p / dbar	T / C	Salinity	Sigma-t		
52.64	-1.58	32.61	26.23		
52.66	-1.58	32.61	26.24		
22.39	-0.98	31.22	25.09		
18.95	-1.09	30.95	24.87		
18.96	-1.09	31.03	24.94		
12.61	-1.06	30.78	24.73		
12.61	-1.06	30.79	24.74		
7.40	-0.91	30.49	24.49		
7.41	-0.89	30.50	24.51		
7.42	-0.95	30.56	24.56		
3.60	-0.48	30.04	24.12		
1.65	-0.52	30.09	24.16		

Station 229	Profile 0	Latitude	81.16	Longitude	-10.97
p / dbar	T / C	Salinity	Sigma-t		
57.04	-1.34	32.31	25.99		
50.15	-1.41	31.91	25.66		
50.15	-1.41	31.85	25.61		
40.42	-1.44	31.70	25.49		
27.48	-1.43	31.47	25.31		
27.49	-1.42	31.49	25.32		
10.43	-1.32	31.20	25.08		
10.45	-1.27	31.09	24.99		
10.45	-1.19	30.98	24.90		
10.45	-1.25	31.04	24.95		
10.45	-1.24	31.05	24.96		
1.71	0.61	28.92	23.18		

Station 229	Profile 1	Latitude	81.16	Longitude	-10.96
p / dbar	T / C	Salinity	Sigma-t		
20.40	-1.32	31.17	25.06		
20.41	-1.32	31.16	25.05		
13.35	-1.28	31.08	24.98		
13.35	-1.26	31.04	24.95		
7.12	-1.23	31.00	24.92		
7.14	-1.22	30.99	24.91		
4.01	-1.11	30.87	24.81		
4.03	-1.18	30.95	24.87		
1.69	0.39	29.27	23.47		
1.69	0.38	29.28	23.47		
1.69	0.09	29.58	23.73		
1.68	0.26	29.38	23.56		



Station 231	Profile 0	Latitude	80.08	Longitude	-15.76
p / dbar	T / C	Salinity	Sigma-t		
395.43	0.65	34.74	27.86		
344.89	0.73	34.74	27.86		
200.48	0.43	34.64	27.79		
99.81	-1.48	33.22	26.73		
49.46	-1.65	32.37	26.04		
26.59	-1.69	32.27	25.96		
23.52	-1.66	32.26	25.95		
17.63	-1.66	32.24	25.93		
10.44	-1.38	32.15	25.86		
6.10	-1.05	32.04	25.76		
4.31	-0.91	31.65	25.43		
2.01	2.99	26.51	21.12		

Station 232	Profile 0	Latitude	80.18	Longitude	-16.25
p / dbar	T / C	Salinity	Sigma-t		
231.01	0.59	34.72	27.85		
181.80	0.50	34.66	27.81		
150.19	0.20	34.53	27.71		
100.25	-0.97	33.82	27.20		
49.92	-1.73	32.27	25.96		
36.26	-1.69	32.20	25.90		
27.04	-1.64	32.12	25.84		
17.04	-1.53	32.05	25.78		
10.37	-1.23	31.91	25.65		
7.23	-0.70	31.84	25.58		
4.34	-0.59	31.82	25.56		
2.51	-0.81	31.89	25.62		

Station 233	Profile 0	Latitude	80.01	Longitude	-15.39
p / dbar	T / C	Salinity	Sigma-t		
222.77	0.54	34.69	27.83		
200.24	0.40	34.65	27.80		
149.97	-0.47	34.28	27.55		
99.83	-1.55	33.05	26.59		
49.68	-1.74	32.38	26.05		
49.71	-1.74	32.38	26.05		
38.25	-1.74	32.35	26.03		
24.22	-1.66	32.33	26.00		
14.39	-1.36	32.30	25.98		
7.78	-0.40	32.16	25.83		
4.79	-0.18	32.03	25.71		
2.06	1.09	31.42	25.16		

Station 234	Profile 0	Latitude	79.95	Longitude	-15.08
p / dbar	T / C	Salinity	Sigma-t		
174.49	-0.36	34.31	27.57		
124.83	-1.41	33.33	26.81		
99.61	-1.59	32.86	26.43		
72.71	-1.70	32.52	26.16		
49.95	-1.75	32.43	26.09		
44.55	-1.74	32.42	26.08		
37.33	-1.74	32.40	26.06		
23.85	-1.72	32.37	26.04		
13.43	-0.92	32.30	25.97		
7.41	-0.32	32.28	25.92		
3.86	-0.31	32.29	25.93		
1.73	0.12	32.26	25.89		

Station 237	Profile 0	Latitude	79.61	Longitude	-13.45
p / dbar	T / C	Salinity	Sigma-t		
150.49	-0.73	33.93	27.27		
150.54	-0.73	33.93	27.28		
150.56	-0.73	33.93	27.28		
150.56	-0.73	33.93	27.28		
150.56	-0.73	33.93	27.28		
150.57	-0.73	33.93	27.28		
150.58	-0.73	33.93	27.28		
150.59	-0.73	33.93	27.28		
150.59	-0.73	33.93	27.28		
150.59	-0.73	33.93	27.28		
150.59	-0.73	33.93	27.28		
36.96	-1.68	32.23	25.93		

Station 238	Profile 0	Latitude	79.51	Longitude	-12.95
p / dbar	T / C	Salinity	Sigma-t		
206.16	-0.21	34.37	27.60		
149.78	-0.87	33.81	27.18		
100.28	-1.68	32.50	26.14		
50.45	-1.71	32.19	25.90		
46.62	-1.71	32.18	25.89		
35.83	-1.70	32.15	25.86		
21.76	-1.66	32.04	25.77		
15.27	-1.65	31.87	25.63		
9.58	-1.64	31.80	25.58		
3.83	-1.64	31.82	25.59		
3.65	-1.64	31.74	25.53		
1.97	-1.64	31.79	25.57		

Station 240	Profile 0	Latitude	79.38	Longitude	-14.97
p / dbar	T / C	Salinity	Sigma-t		
43.20	-1.45	32.44	26.09		
16.18	-1.43	32.43	26.08		
16.18	-1.43	32.43	26.08		
15.35	-1.47	32.42	26.07		
14.17	-1.45	32.43	26.08		
11.72	-1.45	32.41	26.07		
8.54	-1.24	32.36	26.02		
5.52	-1.21	32.36	26.02		
5.53	-1.21	32.36	26.02		
5.53	-1.19	32.35	26.01		
3.61	-1.22	32.36	26.02		
1.91	-1.20	32.36	26.02		

Station 242	Profile 0	Latitude	79.42	Longitude	-15.62
p / dbar	T / C	Salinity	Sigma-t		
32.53	-1.71	32.35	26.02		
29.95	-1.72	32.37	26.04		
25.07	-1.72	32.41	26.07		
19.97	-1.72	32.38	26.05		
15.17	-1.72	32.39	26.05		
11.22	-1.70	32.32	26.00		
8.61	-1.71	32.30	25.99		
8.61	-1.71	32.31	25.99		

Station 244	Profile 0	Latitude	79.52	Longitude	-15.80
p / dbar	T / C	Salinity	Sigma-t		
107.65	-1.31	33.44	26.90		
100.00	-1.43	33.27	26.77		
79.99	-1.60	32.78	26.37		
49.69	-1.74	32.45	26.11		
49.70	-1.74	32.45	26.11		
49.71	-1.74	32.45	26.11		
39.58	-1.75	32.42	26.09		
24.69	-1.73	32.37	26.04		
13.37	-1.70	32.28	25.97		
8.72	-1.69	32.26	25.95		
6.89	-1.70	32.28	25.97		
1.74	-1.69	32.28	25.97		

Station 246	Profile 0	Latitude	79.60	Longitude	-16.02
p / dbar	T / C	Salinity	Sigma-t		
184.22	-0.33	34.34	27.59		
150.44	-0.79	34.07	27.40		
100.68	-1.58	32.86	26.44		
50.65	-1.75	32.42	26.09		
50.67	-1.75	32.42	26.09		
35.04	-1.74	32.40	26.06		
19.54	-1.67	32.28	25.97		
9.35	-1.70	32.31	25.99		
4.88	-1.69	32.30	25.99		
3.51	-1.63	32.27	25.96		
1.60	-1.65	32.23	25.92		
1.59	-1.68	32.29	25.98		

Station 248	Profile 0	Latitude	79.68	Longitude	-16.27
p / dbar	T / C	Salinity	Sigma-t		
287.93	0.78	34.76	27.86		
200.51	0.12	34.55	27.74		
149.60	-0.66	34.15	27.45		
100.80	-1.57	32.94	26.50		
50.95	-1.75	32.41	26.08		
49.37	-1.75	32.41	26.07		
45.09	-1.75	32.41	26.07		
21.84	-1.74	32.38	26.05		
13.88	-1.73	32.34	26.01		
8.33	-1.71	32.31	25.99		
5.19	-1.67	32.29	25.98		
2.11	-1.64	32.29	25.97		

Station 250	Profile 0	Latitude	79.80	Longitude	-16.57
p / dbar	T / C	Salinity	Sigma-t		
236.24	0.64	34.72	27.84		
200.57	0.37	34.64	27.79		
150.37	-0.23	34.37	27.61		
99.72	-1.56	32.95	26.51		
50.26	-1.74	32.39	26.06		
41.06	-1.74	32.36	26.04		
32.42	-1.73	32.33	26.01		
22.53	-1.69	32.24	25.94		
13.62	-1.67	32.22	25.92		
7.72	-1.56	32.09	25.81		
4.43	-1.55	32.09	25.81		
1.74	-1.58	32.09	25.81		

Station 252	Profile 0	Latitude	79.90	Longitude	-16.94
p / dbar	T / C	Salinity	Sigma-t		
256.58	0.67	34.72	27.85		
199.90	0.32	34.60	27.76		
149.68	-0.21	34.39	27.62		
98.74	-1.36	33.40	26.87		
49.75	-1.72	32.35	26.03		
27.92	-1.68	32.16	25.87		
24.47	-1.64	32.04	25.77		
19.33	-1.64	32.04	25.77		
10.22	-1.61	31.94	25.69		
6.91	-1.60	31.92	25.67		
4.09	-1.58	31.90	25.66		
1.65	-1.54	31.85	25.62		

Station 254	Profile 0	Latitude	80.00	Longitude	-17.11
p / dbar	T / C	Salinity	Sigma-t		
92.16	-1.29	33.08	26.60		
74.05	-1.63	32.50	26.15		
49.79	-1.68	32.28	25.97		
25.40	-1.51	32.06	25.78		
20.24	-1.46	32.04	25.77		
15.79	-1.40	32.02	25.75		
13.77	-1.37	32.00	25.73		
11.15	-0.91	31.84	25.59		
7.37	-0.65	31.06	24.95		
5.50	-0.72	31.32	25.16		
3.99	-0.54	30.88	24.80		
1.51	-0.41	30.67	24.63		

Station 257	Profile 0	Latitude	80.49	Longitude	-13.21
p / dbar	T / C	Salinity	Sigma-t		
298.24	0.39	34.78	27.91		
298.87	0.39	34.78	27.91		
201.03	0.32	34.60	27.77		
201.49	0.33	34.60	27.77		
126.01	-1.06	33.81	27.19		
126.19	-1.06	33.81	27.19		
76.04	-1.73	32.47	26.12		
76.14	-1.73	32.47	26.12		
20.63	0.25	32.16	25.80		
20.64	0.35	32.13	25.78		
2.12	2.29	28.24	22.55		
2.07	4.22	24.16	19.16		

Station 258	Profile 0	Latitude	80.45	Longitude	-13.67
p / dbar	T / C	Salinity	Sigma-t		
313.05	0.60	34.73	27.85		
199.09	0.30	34.60	27.77		
150.86	-0.43	34.25	27.53		
100.04	-1.52	33.12	26.65		
49.95	-1.73	32.42	26.08		
27.67	-1.63	32.33	26.00		
24.18	-1.51	32.31	25.99		
16.95	-1.68	32.26	25.95		
10.26	-1.58	32.24	25.93		
6.00	-1.36	32.01	25.74		
3.43	0.45	30.01	24.06		
2.04	2.45	27.83	22.20		

Station 259	Profile 0	Latitude	80.46	Longitude	-11.27
p / dbar	T / C	Salinity	Sigma-t		
279.96	0.39	34.80	27.92		
201.12	0.10	34.51	27.71		
149.79	-0.70	34.06	27.38		
99.03	-1.61	32.80	26.39		
75.49	-1.72	32.50	26.15		
49.51	-1.74	32.42	26.09		
29.96	-1.64	32.39	26.06		
20.49	-0.94	32.37	26.02		
15.17	0.13	32.35	25.96		
10.43	0.58	32.34	25.93		
4.74	1.11	32.19	25.78		
2.15	3.87	31.27	24.84		

Station 260	Profile 0	Latitude	80.36	Longitude	-10.08
p / dbar	T / C	Salinity	Sigma-t		
318.18	0.39	34.80	27.93		
200.77	0.33	34.61	27.77		
150.83	-0.63	34.14	27.44		
99.66	-1.63	32.76	26.36		
50.00	-1.74	32.43	26.09		
27.01	-1.61	32.39	26.05		
21.64	-1.60	32.38	26.05		
19.59	-1.58	32.38	26.05		
18.27	-1.58	32.38	26.04		
7.09	4.55	30.64	24.27		
4.22	4.56	30.65	24.27		
1.87	4.56	30.65	24.27		

Station 261	Profile 0	Latitude	80.27	Longitude	-8.90
p / dbar	T / C	Salinity	Sigma-t		
293.46	0.39	34.84	27.96		
200.18	0.33	34.68	27.83		
150.51	-0.04	34.44	27.66		
100.35	-1.53	33.13	26.66		
49.75	-1.72	32.41	26.07		
25.90	-1.48	32.36	26.03		
23.25	-0.96	32.33	25.99		
18.43	-0.72	32.31	25.97		
10.16	0.14	32.22	25.86		
4.93	2.87	30.96	24.67		
2.19	2.32	31.48	25.13		
1.90	2.99	30.81	24.54		

Station 262	Profile 0	Latitude	80.17	Longitude	-7.76
p / dbar	T / C	Salinity	Sigma-t		
289.30	0.39	34.82	27.94		
198.79	0.35	34.72	27.86		
149.69	-0.12	34.40	27.63		
99.91	-1.56	32.82	26.40		
49.68	-1.61	32.39	26.05		
31.16	-0.95	32.28	25.95		
31.21	-0.95	32.28	25.95		
20.28	-0.90	32.21	25.89		
18.86	-1.01	32.18	25.87		
7.16	1.02	31.57	25.28		
5.04	1.42	31.40	25.13		
2.01	1.60	31.33	25.06		

Station 263	Profile 0	Latitude	80.05	Longitude	-6.65
p / dbar	T / C	Salinity	Sigma-t		
299.45	0.41	34.86	27.97		
199.76	0.39	34.77	27.89		
150.75	0.07	34.52	27.71		
100.32	-1.22	33.23	26.73		
49.93	-1.70	32.38	26.05		
32.36	-1.72	32.35	26.03		
32.38	-1.71	32.35	26.03		
16.38	-1.63	32.33	26.01		
12.82	-1.55	32.32	26.00		
5.39	-0.37	31.94	25.65		
3.32	0.00	31.48	25.26		
1.96	-0.01	31.25	25.08		

Station 264	Profile 0	Latitude	79.90	Longitude	-6.13
p / dbar	T / C	Salinity	Sigma-t		
297.78	0.39	34.86	27.97		
200.74	0.36	34.74	27.88		
150.35	-0.35	34.25	27.52		
99.51	-1.50	32.91	26.48		
50.04	-1.71	32.39	26.06		
30.29	-1.47	32.36	26.03		
30.31	-1.47	32.36	26.03		
23.91	-1.37	32.34	26.01		
17.41	-0.99	32.28	25.95		
8.27	-0.35	31.54	25.33		
5.01	0.04	30.75	24.68		
1.83	0.21	29.44	23.61		

Station 265	Profile 0	Latitude	79.73	Longitude	-5.70
p / dbar	T / C	Salinity	Sigma-t		
296.71	0.36	34.80	27.92		
199.97	-1.80	34.03	27.39		
149.59	-1.78	33.89	27.27		
100.07	-1.48	33.06	26.59		
49.99	-1.68	32.40	26.07		
35.59	-1.50	32.33	26.00		
23.82	-1.27	32.14	25.85		
22.36	-1.22	31.99	25.72		
19.17	-1.28	31.95	25.69		
10.07	-1.14	31.64	25.43		
6.35	-0.82	31.21	25.08		
1.97	1.47	28.36	22.68		

Station 266	Profile 0	Latitude	79.50	Longitude	-5.68
p / dbar	T / C	Salinity	Sigma-t		
390.32	0.37	34.86	27.97		
202.51	-0.49	34.44	27.68		
247.23	1.31	34.78	27.85		
150.62	-1.77	34.01	27.38		
90.37	-1.30	33.17	26.68		
50.77	-1.72	32.42	26.08		
25.28	-1.19	32.30	25.97		
23.50	-0.88	32.20	25.88		
16.07	-0.49	32.03	25.73		
7.14	-0.24	31.69	25.44		
4.21	0.02	31.24	25.07		
2.07	1.14	29.27	23.44		

Station 267	Profile 0	Latitude	79.25	Longitude	-5.38
p / dbar	T / C	Salinity	Sigma-t		
1058.63	-0.23	34.89	28.03		
800.31	0.04	34.88	28.01		
599.93	0.55	34.89	27.99		
399.90	0.80	34.87	27.95		
200.16	1.87	34.86	27.87		
100.08	-1.74	34.07	27.42		
74.40	-1.75	33.99	27.36		
50.24	-1.74	33.79	27.20		
29.62	-1.70	33.05	26.59		
20.57	-1.50	32.42	26.08		
10.80	-0.73	30.92	24.84		
1.92	1.02	29.93	23.97		

Station 271	Profile 0	Latitude	78.79	Longitude	-10.79
p / dbar	T / C	Salinity	Sigma-t		
340.01	0.16	34.59	27.77		
300.39	0.13	34.58	27.76		
300.43	0.12	34.58	27.76		
300.39	0.12	34.58	27.76		
300.42	0.12	34.58	27.76		
300.41	0.12	34.58	27.76		
150.08	-1.26	33.85	27.23		
99.78	-1.64	32.65	26.26		
49.19	-1.66	32.41	26.07		
35.29	-1.60	32.37	26.04		
19.88	-1.43	32.09	25.81		
4.08	-0.61	30.42	24.43		

Station 272	Profile 0	Latitude	78.75	Longitude	-10.00
p / dbar	T / C	Salinity	Sigma-t		
407.29	0.22	34.62	27.79		
301.02	0.12	34.57	27.76		
199.64	-0.59	34.29	27.56		
149.26	-1.48	33.85	27.24		
100.07	-1.64	32.65	26.27		
50.22	-1.68	32.41	26.07		
29.60	-1.64	32.25	25.94		
19.82	-1.46	32.03	25.76		
14.97	-1.31	31.77	25.54		
9.76	-1.13	31.44	25.27		
5.28	-0.82	30.73	24.69		
1.93	-0.34	28.93	23.22		

Station 273	Profile 0	Latitude	78.75	Longitude	-8.98
p / dbar	T / C	Salinity	Sigma-t		
160.08	-1.02	34.08	27.41		
151.00	-1.16	33.97	27.33		
100.80	-1.51	33.00	26.55		
75.80	-1.75	32.46	26.11		
50.97	-1.73	32.38	26.05		
30.74	-1.65	32.20	25.90		
25.71	-1.65	32.14	25.85		
20.94	-1.65	32.11	25.83		
14.82	-1.55	31.96	25.71		
10.03	-1.46	31.84	25.61		
4.67	-1.43	31.70	25.49		
2.37	-1.36	31.61	25.42		

Station 278	Profile 0	Latitude	76.00	Longitude	-5.00
p / dbar	T / C	Salinity	Sigma-t		
3239.04	-1.01	34.89	28.07		
2499.99	-1.00	34.90	28.07		
2000.51	-0.98	34.90	28.07		
1499.56	-0.90	34.90	28.07		
999.61	-0.67	34.90	28.06		
700.06	-0.98	34.86	28.04		
499.75	-0.49	34.89	28.04		
300.03	-0.30	34.89	28.03		
200.79	-0.18	34.89	28.03		
100.23	-1.15	34.79	27.99		
50.99	-0.40	34.74	27.92		
1.72	5.54	34.06	26.86		

Station 279	Profile 3	Latitude	75.02	Longitude	-3.07
p / dbar	T / C	Salinity	Sigma-t		
3000.97	-1.03	34.89	28.07		
3001.68	-1.03	34.89	28.07		
3001.51	-1.03	34.89	28.07		
3000.87	-1.03	34.89	28.07		
3001.61	-1.03	34.89	28.07		
3001.53	-1.03	34.89	28.07		
3001.86	-1.03	34.89	28.07		
3001.68	-1.03	34.89	28.07		
3001.47	-1.03	34.89	28.07		
3002.07	-1.03	34.89	28.07		
3002.34	-1.03	34.89	28.07		
3001.86	-1.03	34.89	28.07		



## 2 Hydrography beneath the ice

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A selection of the CTD casts taken beneath drifting ice floes are shown. These were taken during three ice camps in ARKIX/2, and a fourth in ARK IX/3. Approximately one profile is shown for each 12-hour period of the ice camps. The hydrography beneath drifting ice floes and fast ice was measured during both legs 2 and 3 of cruise ARK IX using CTD profilers and moored equipment. In this report, a selection of the CTD profiles are shown, measured at intervals of approximately 12 hours. The intent is to provide a representative picture of the temperature and salinity coincident with other (biological) sampling beneath the ice. Two CTD instruments were used: a Seabird SBE 19, also known as the SeaCat, and a Guildline model 8709 profiler. Data from the Guildline were recorded on cassette tape and have not yet been decoded; they are therefore not included in this report.

### ARK IX/2

The CTD casts presented here were measured during ice camps. After selection of a fairly smooth and large (more than one square kilometer) first year ice floe, the ship would stay alongside the ice and a camp would be set up at least 500 m away. Holes were drilled at the campsites to permit CTD sampling beneath the ice. Three such camps were done during ARK IX/2. The drift of the ice floes are shown in Figure 1, and the time, sampling depth and position of the CTD casts are summarized in Tables 1, 2, 3a and 3b.

### ARK IX/3

First year ice had deteriorated by the beginning of leg 3 in late June. A last ice camp was therefore done on older, thicker ice in combination with the preparation of an instrumented drifting ice floe. The ice floe used for ice camp 4 was tracked for three weeks using an Argos buoy (Bauerfeind and Haupt). A variety of moored equipment were left beneath the ice, as well as a GPS recorder on the surface. Figure 2 shows the drift track from the GPS until July 16th when the memory of the unit was full; Argos data from Bauerfeind and Haupt are used thereafter. A few CTD casts were done during the preparation phase and one during the recovery of the instruments on July 29th. They are listed in Table 4.

Selected CTD profiles are shown at the end of this report. The most prominent feature is the layer of fresh water beneath the ice. The ice floe was selected on July 5th and a hole was drilled at 10:00 UTC in the middle of a large melt pond. When the hole was completed, water drained into the hole in a strong vortex which lasted for more than 24 hours, melting the hole diameter to many times its original size. Thus it is unclear how much of the fresh water found below the ice floe can be attributed to our drilling and draining of the melt pond.

Tables 5 and 6 list CTD casts taken from fast ice on the North and South of the NEW polynya. Table 7 lists the calibration CTD cast taken from RV "Polarstern". The SeaCat profiler was attached to the rosette and recorded simultaneously with the CTD usually used from the ship (Budéus and Schneider), sts 279-3.

#### CTD casts

The following pages show selected CTD profiles from the four ice camps in addition to the calibration profile. The SeaCat conductivity data have been low-passed filtered with a time constant of 0.5 s, and the temperature data have been advanced relative to pressure by 0.5 s. In spite of these adjustments, some static instabilities remain in the data, most notably in the top 10 m of some ice camp 1, 2 and 3 profiles. Also, salinity oscillations appear in other profiles spanning high gradients (e.g. halocline of ice camp 4 profiles). These data were nevertheless included in the figure, but should be considered with caution by the reader as preliminary data. Further investigation and comparison with Guildline data will hopefully resolve ambiguities about their correctness.

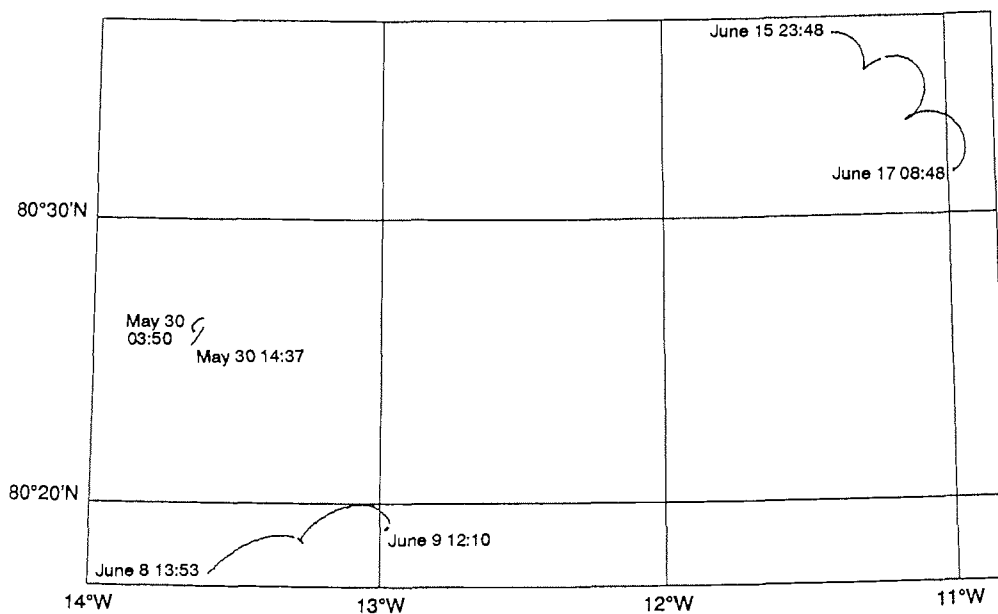


Figure 1: Drift tracks of the three ice camps of ARK/IX-2. Ice camp 1 (May 30th 1993) drifted in a clockwise fashion. The data gap in the middle is due to GPS battery failure.

Date & time (UTC)	File	Instr.	Pres. (dBar)	Position
05/30 05:22	ic101001	SeaCat	202.7	80°26.12'N 13°39.71'W
05/30 06:00	ic102002	SeaCat	50.6	80°26.19'N 13°39.46'W
05/30 06:30	ic103003	SeaCat	61.0	80°26.23'N 13°39.36'W
05/30 07:00	ic104004	SeaCat	70.8	80°26.29'N 13°39.04'W
05/30 07:30	ic105005	SeaCat	63.4	80°26.34'N 13°38.66'W
05/30 08:00	ic106006	SeaCat	63.1	80°26.39'N 13°38.40'W
05/30 08:30	ic107007	SeaCat	61.0	80°26.43'N 13°38.03'W
05/30 09:00	ic108008	SeaCat	202.9	80°26.45'N 13°37.76'W
05/30 09:30	ic109009	SeaCat	60.5	80°26.46'N 13°37.47'W
05/30 10:00	ic110010	SeaCat	60.3	(N/A)
05/30 10:30	ic111011	SeaCat	61.1	(N/A)
05/30 11:00	ic112012	SeaCat	60.5	(N/A)
05/30 11:30	ic113013	SeaCat	60.3	(N/A)
05/30 12:00	ic114014	SeaCat	60.3	(N/A)
05/30 13:00	ic115015	SeaCat	60.3	80°26.09'N 13°37.33'W
05/30 13:30	ic116016	SeaCat	60.6	80°25.82'N 13°38.45'W
05/30 14:01	ic117017	SeaCat	202.9	80°25.65'N 13°38.98'W
05/30 15:00	ic118018	SeaCat	61.5	(N/A)

Table 1: Ice camp 1 CTD casts. The 'Instr.' column identifies the instrument used and the 'Pres.' column indicates the maximum pressure sampled. Some positions are unavailable because of GPS battery failure. The ice thickness was 55 cm.

Date & time (UTC)	File	Instr.	Pres. (dBar)	Position
06/08 16:48	ic201019	SeaCat	202.8	80°18.12'N 13°30.86'W
06/08 20:32	ic202020	SeaCat	202.9	80°18.75'N 13°17.76'W
06/08 21:00	ic203021	SeaCat	160.4	80°18.73'N 13°16.91'W
06/08 21:30	ic204022	SeaCat	161.6	80°18.66'N 13°16.67'W
06/08 22:01	ic205023	SeaCat	120.7	80°18.60'N 13°16.29'W
06/08 22:34	ic206024	SeaCat	151.8	80°18.55'N 13°15.96'W
06/08 23:00	ic207025	SeaCat	163.4	80°18.59'N 13°16.12'W
06/08 23:31	ic208026	SeaCat	147.4	80°18.59'N 13°16.02'W
06/09 00:03	ic209027	SeaCat	155.0	80°18.63'N 13°16.38'W
06/09 00:35	ic210028	SeaCat	157.9	80°18.68'N 13°16.31'W
06/09 01:01	ic211029	SeaCat	172.2	80°18.78'N 13°16.08'W
06/09 01:41	ic212030	SeaCat	169.0	80°18.93'N 13°15.51'W
06/09 02:02	ic213031	SeaCat	179.3	80°19.07'N 13°14.84'W
06/09 02:33	ic214032	SeaCat	194.0	80°19.21'N 13°13.87'W
06/09 03:01	ic215033	SeaCat	195.6	80°19.33'N 13°13.00'W
06/09 03:32	ic216034	SeaCat	202.9	80°19.49'N 13°11.67'W
06/09 04:00	ic217035	SeaCat	202.9	80°19.65'N 13°10.15'W
06/09 05:00	ic218036	SeaCat	202.9	80°19.86'N 13°07.02'W
06/09 05:32	ic219037	SeaCat	75.2	80°19.94'N 13°05.59'W
06/09 06:00	ic220038	SeaCat	199.3	80°19.93'N 13°03.96'W
06/09 06:30	ic221039	SeaCat	151.6	80°19.93'N 13°02.66'W
06/09 07:00	ic222040	SeaCat	199.5	80°19.88'N 13°01.43'W
06/09 08:49	ic223041	SeaCat	35.6	80°19.52'N 12°58.47'W
06/09 09:59	ic224042	SeaCat	202.9	80°19.30'N 12°57.79'W

Table 2: Ice camp 2 CTD casts. The total ice thickness was 71 cm, with 69 cm from the water surface to the ice base.

Date & time (UTC)	File	Instr.	Pres. (dBar)	Position
06/16 03:05	ic301043	Guildl	236.0	80°35.90'N 11°18.05'W
06/16 04:00	ic302044	Guildl	150.0	80°35.63'N 11°17.50'W
06/16 04:30	ic303045	Guildl	150.0	80°35.49'N 11°17.20'W
06/16 05:00	ic304046	Guildl	175.0	80°35.36'N 11°17.19'W
06/16 06:00	ic305047	Guildl	150.0	80°35.18'N 11°17.27'W
06/16 07:02	ic306048	Guildl	235.0	80°35.10'N 11°17.42'W
06/16 07:30	ic307049	Guildl	150.0	80°35.11'N 11°17.31'W
06/16 08:40	ic308050	Guildl	235.0	80°35.21'N 11°16.70'W
06/16 09:00	ic309051	Guildl	150.0	80°35.24'N 11°16.29'W
06/16 09:41	ic310052	Guildl	150.0	80°35.33'N 11°15.44'W
06/16 10:00	ic311053	Guildl	150.0	80°35.38'N 11°14.79'W
06/16 10:30	ic312054	Guildl	150.0	80°35.44'N 11°13.99'W
06/16 11:00	ic313055	Guildl	150.0	80°35.53'N 11°12.82'W
06/16 11:28	ic314056	Guildl	150.0	80°35.54'N 11°11.69'W
06/16 13:00	ic315057	Guildl	150.0	80°35.44'N 11°08.20'W
06/16 13:33	ic316058	Guildl	150.0	80°35.34'N 11°06.96'W
06/16 14:00	ic317059	Guildl	150.0	80°35.25'N 11°06.30'W
06/16 14:30	ic318060	Guildl	150.0	80°35.11'N 11°05.54'W
06/16 15:00	ic319061	Guildl	150.0	80°34.88'N 11°05.02'W
06/16 15:30	ic320062	Guildl	150.0	80°34.68'N 11°04.50'W
06/16 16:00	ic321063	Guildl	240.0	80°34.46'N 11°04.41'W
06/16 16:30	ic322064	Guildl	240.0	80°34.24'N 11°04.58'W
06/16 16:27	ic323065	SeaCat	202.8	80°34.24'N 11°04.58'W
06/16 17:00	ic324066	Guildl	150.0	80°34.02'N 11°04.84'W
06/16 17:30	ic325067	Guildl	150.0	80°33.82'N 11°05.25'W

Table 3a: Ice camp 3 CTD casts. The entry 'Guildl' refers to the Guildline CTD profiler. Maximum pressure attained during Guildline casts are approximate because they have not yet been decoded. The total ice thickness was 54 cm, with 55 cm from the water surface to the ice base.

Date & time (UTC)	File	Instr.	Pres. (dBar)	Position
06/16 18:30	ic326068	Guildl	160.0	80°33.52'N 11°06.56'W
06/16 19:00	ic327069	Guildl	175.0	80°33.40'N 11°07.20'W
06/16 19:30	ic328070	Guildl	150.0	80°33.34'N 11°07.87'W
06/16 20:00	ic329071	Guildl	230.0	80°33.32'N 11°08.23'W
06/16 20:34	ic330072	SeaCat	159.9	80°33.29'N 11°08.55'W
06/16 21:00	ic331073	Guildl	150.0	80°33.33'N 11°08.44'W
06/16 22:00	ic332074	Guildl	175.0	80°33.45'N 11°07.48'W
06/16 22:30	ic333075	Guildl	150.0	80°33.50'N 11°06.56'W
06/16 23:00	ic334076	Guildl	150.0	80°33.54'N 11°05.67'W
06/16 23:30	ic335077	Guildl	150.0	80°33.57'N 11°04.41'W
06/16 00:00	ic336078	Guildl	150.0	80°33.57'N 11°03.41'W
06/17 01:30	ic337079	Guildl	150.0	80°33.40'N 10°59.83'W
06/17 02:00	ic338080	Guildl	150.0	80°33.27'N 10°58.84'W
06/17 02:30	ic339081	Guildl	103.0	80°33.08'N 10°57.93'W
06/17 03:00	ic340082	Guildl	150.0	80°32.91'N 10°57.06'W
06/17 03:30	ic341083	Guildl	150.0	80°32.73'N 10°56.52'W
06/17 04:00	ic342084	Guildl	150.0	80°32.53'N 10°56.36'W
06/17 04:30	ic343085	Guildl	150.0	80°32.36'N 10°56.19'W
06/17 05:00	ic344086	Guildl	150.0	80°32.13'N 10°56.33'W
06/17 05:10	ic345087	Guildl	50-150	80°32.07'N 10°56.21'W
06/17 05:20	ic346088	Guildl	50-150	80°32.00'N 10°56.33'W
06/17 05:30	ic347089	Guildl	50-150	80°31.93'N 10°56.35'W
06/17 05:40	ic348090	Guildl	50-150	80°31.87'N 10°56.51'W
06/17 05:50	ic349091	Guildl	50-150	80°31.83'N 10°56.72'W
06/17 06:00	ic350092	Guildl	50-150	80°31.77'N 10°56.92'W
06/17 06:30	ic351093	Guildl	150.0	80°31.61'N 10°57.44'W

Table 3b: Ice camp 3 CTD casts. Profiles ic345087 to ic350092 sampled a depth range of approximately 50 to 150 m.

Date & time (UTC)	File	Instr.	Pres. (dBar)	Position
07/06 05:20	ic401094	SeaCat	193.0	80°34.11'N 11°19.13'W
07/06 13:29	ic402095	SeaCat	199.9	80°33.16'N 11°10.52'W
07/06 15:03	ic403096	Guildl	200.0	80°33.48'N 11°05.91'W
07/06 16:00	ic404097	Guildl	10.0	80°33.60'N 11°02.76'W
07/06 16:20	ic405098	Guildl	4.0	80°33.63'N 11°01.66'W
07/06 16:33	ic406099	SeaCat	11.0	80°33.61'N 11°01.16'W
07/07 08:22	ic407100	SeaCat	152.0	80°31.11'N 10°35.92'W
07/29 16:09	ic408117	SeaCat	61.9	78°47.93'N 10°51.55'W

Table 4: Ice camp 4 CTD casts. The total ice thickness was 250 cm, with 232 cm from the water surface to the ice base.

Date & time (UTC)	File	Instr.	Pres. (dBar)	Position
07/21 09:33	ibn01101	SeaCat	71.2	81°12.36'N 10°59.60'W
07/21 09:49	ibn02102	SeaCat	72.0	81°12.65'N 10°55.84'W
07/21 10:00	ibn03103	SeaCat	77.3	81°12.95'N 10°51.60'W
07/21 10:14	ibn04104	SeaCat	70.1	81°12.71'N 10°42.78'W
07/21 10:25	ibn05105	SeaCat	65.3	81°11.55'N 10°35.64'W
07/21 10:38	ibn06106	SeaCat	72.0	81°10.69'N 10°18.98'W
07/21 10:54	ibn07107	SeaCat	62.1	81°10.61'N 10°07.85'W
07/21 11:10	ibn08108	SeaCat	76.3	81°11.34'N 09°55.34'W
07/21 11:26	ibn09109	SeaCat	76.7	81°11.64'N 09°49.90'W
07/21 11:42	ibn10110	SeaCat	71.6	81°11.81'N 09°41.14'W
07/21 11:49	ibn11111	SeaCat	75.2	81°11.81'N 09°41.14'W

Table 5: Northern fast-ice barrier CTD casts.

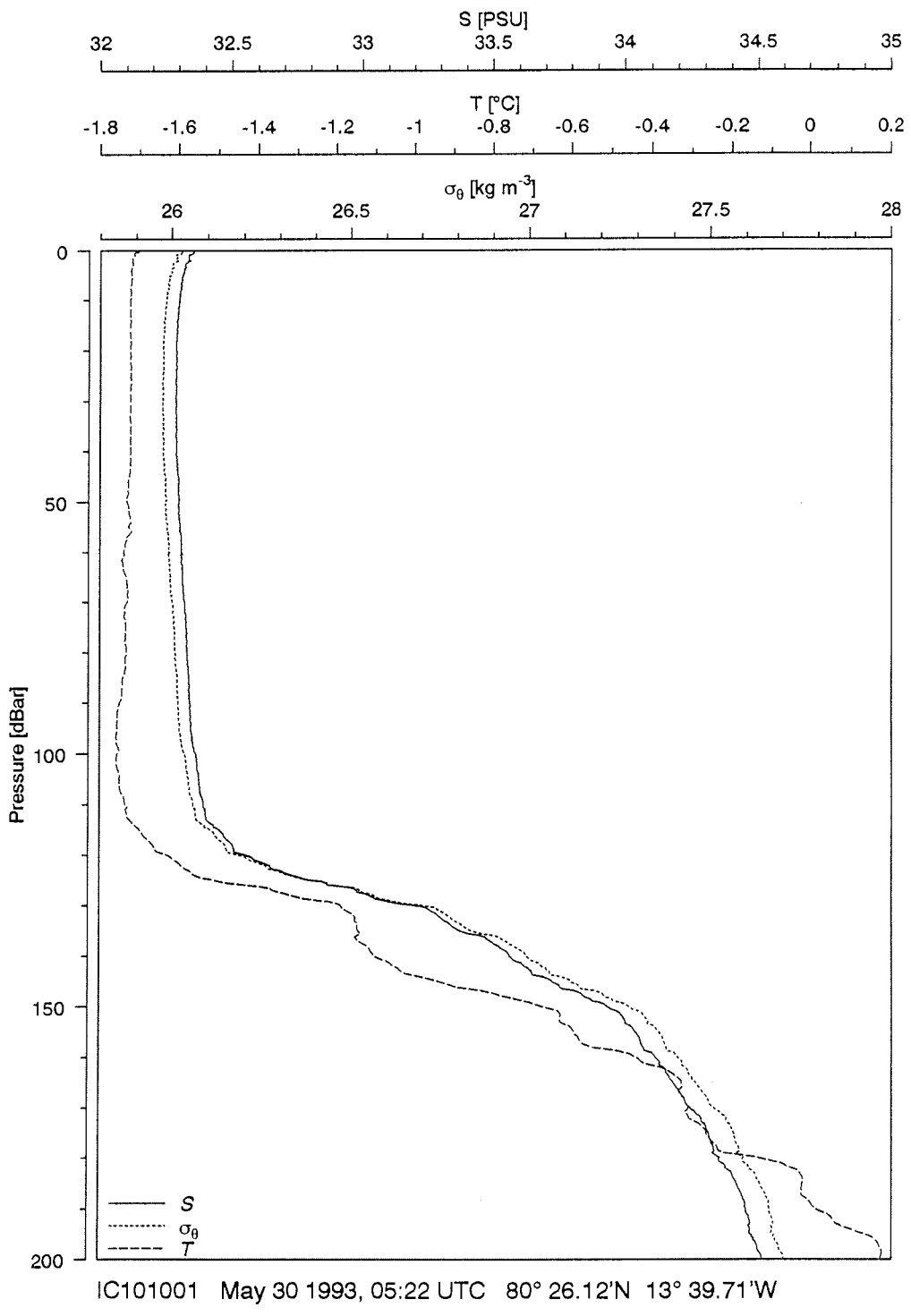
Date & time (UTC)	File	Instr.	Pres. (dBar)	Position
07/23 11:24	ibs01112	SeaCat	63.1	79°28.95'N 16°44.91'W
07/23 11:52	ibs02113	SeaCat	81.9	79°27.80'N 16°59.97'W
07/23 12:09	ibs03114	SeaCat	80.1	79°26.33'N 17°24.33'W
07/23 12:28	ibs04115	SeaCat	81.9	79°29.49'N 16°37.23'W
07/23 12:40	ibs05116	SeaCat	81.2	79°30.64'N 16°19.29'W

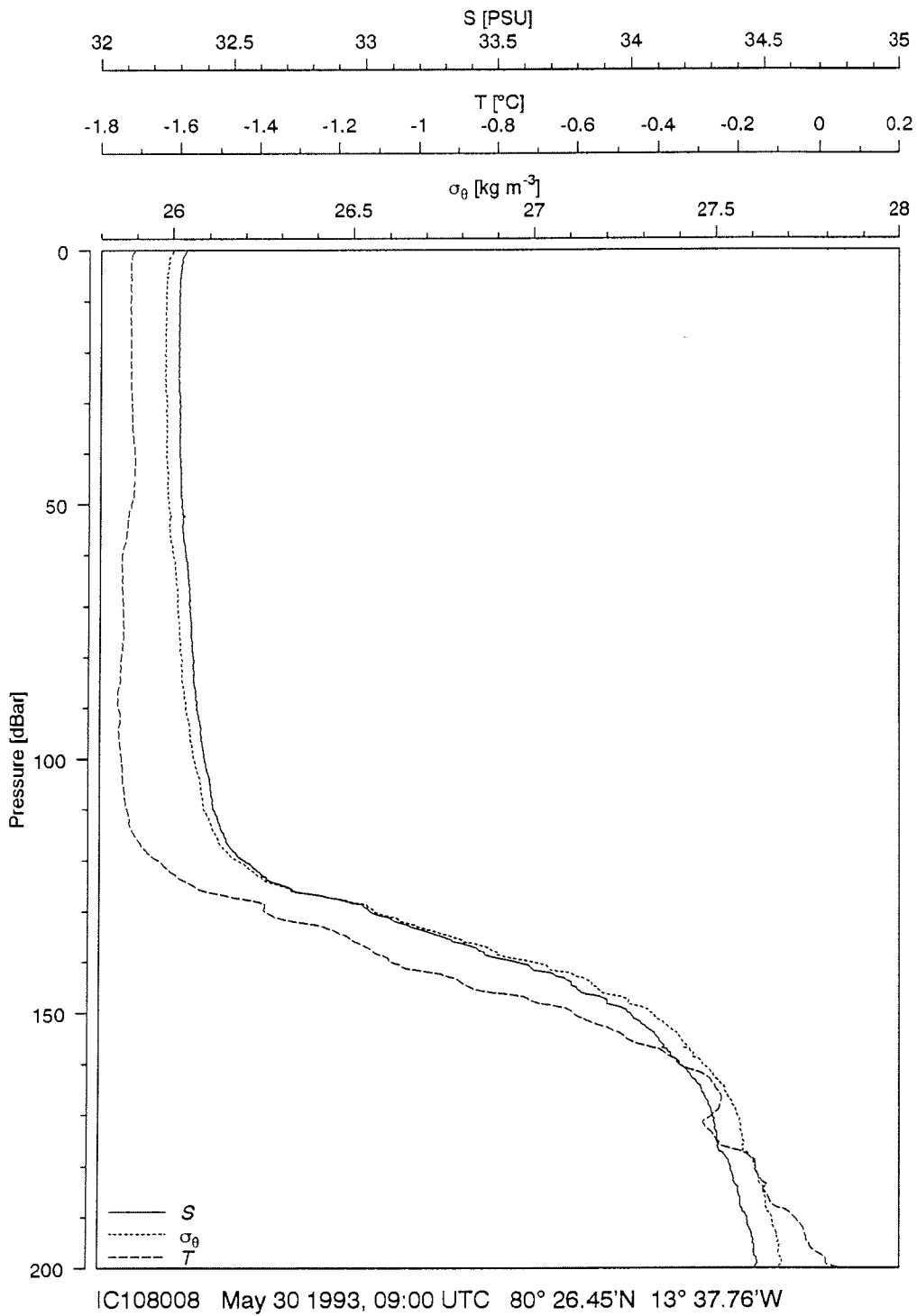
Table 6: Southern fast-ice barrier CTD casts.

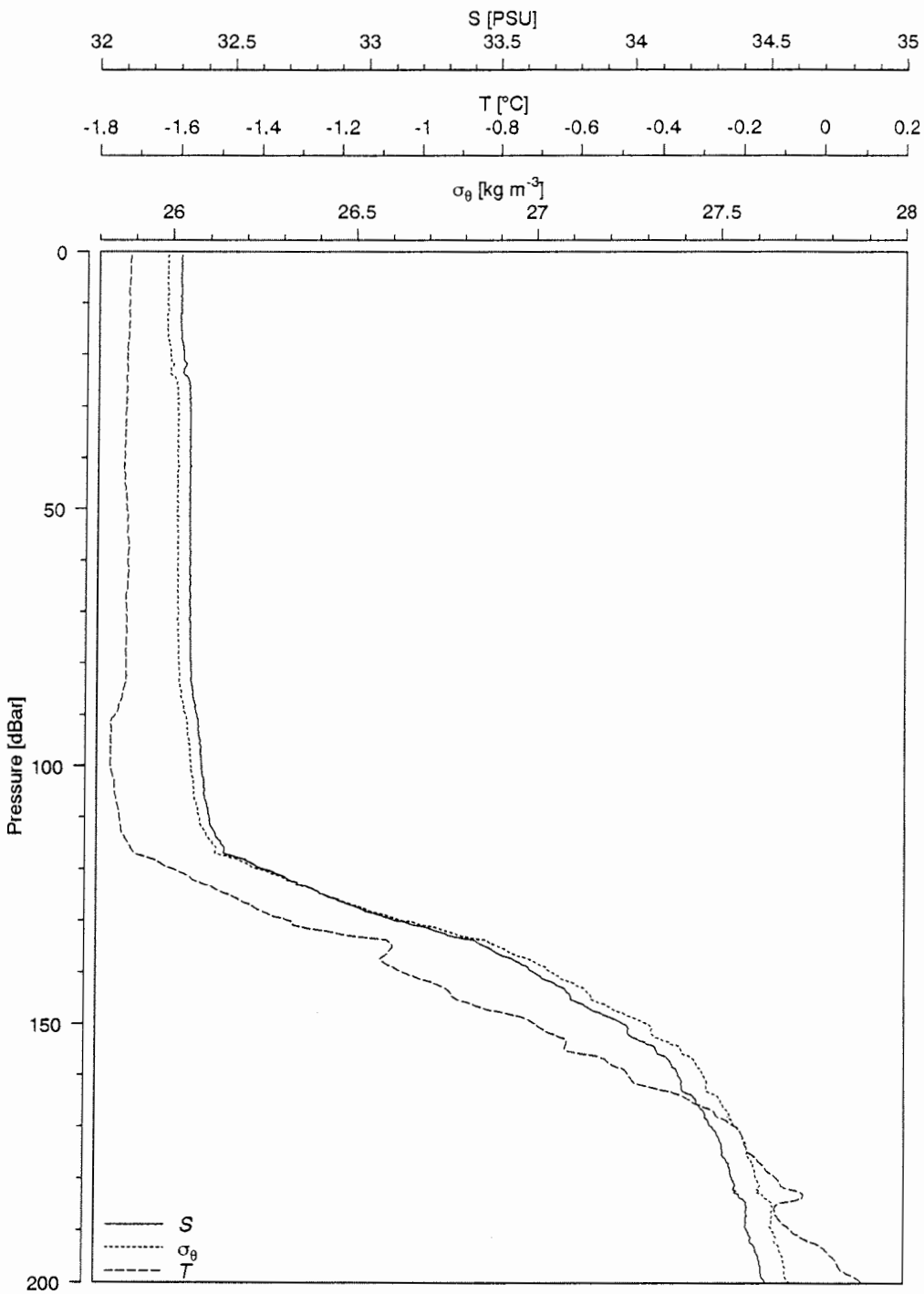
Date & time (UTC)	File	Instr.	Pres. (dBar)	Position
08/02 04:27	ctd-cal	SeaCat	202.6	75 00.86'N 03 03.77'W

Table 7: Calibration CTD cast.

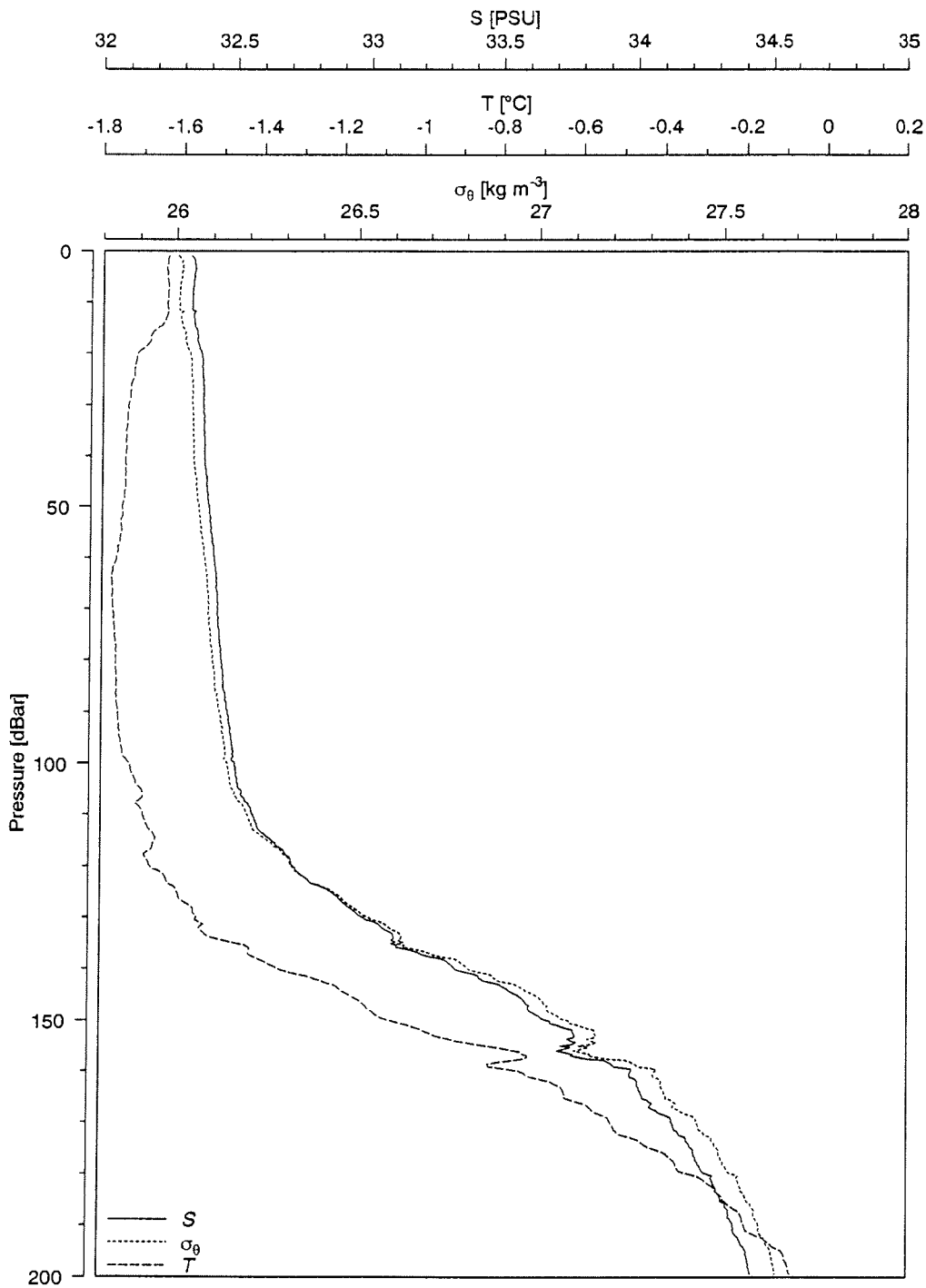




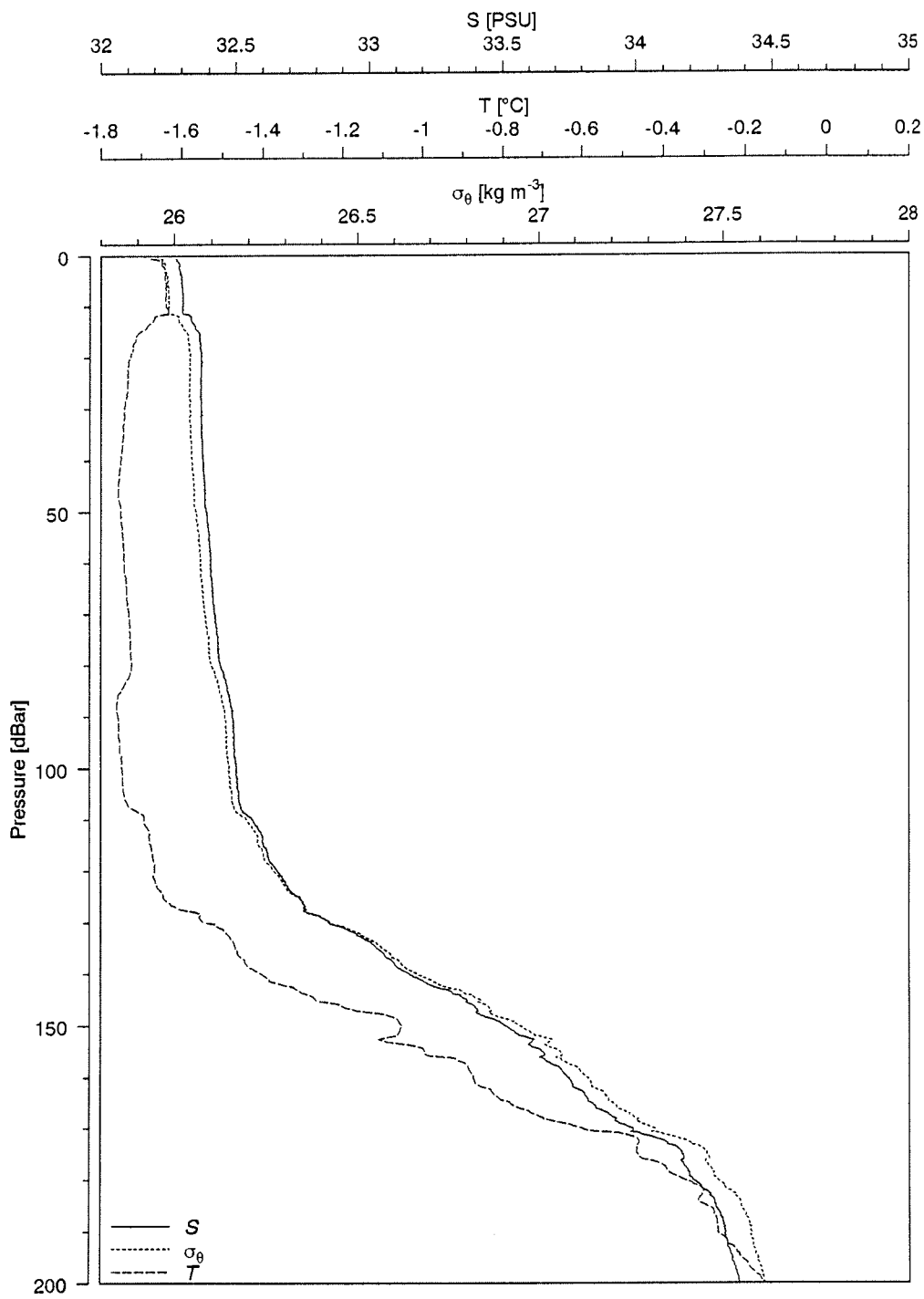




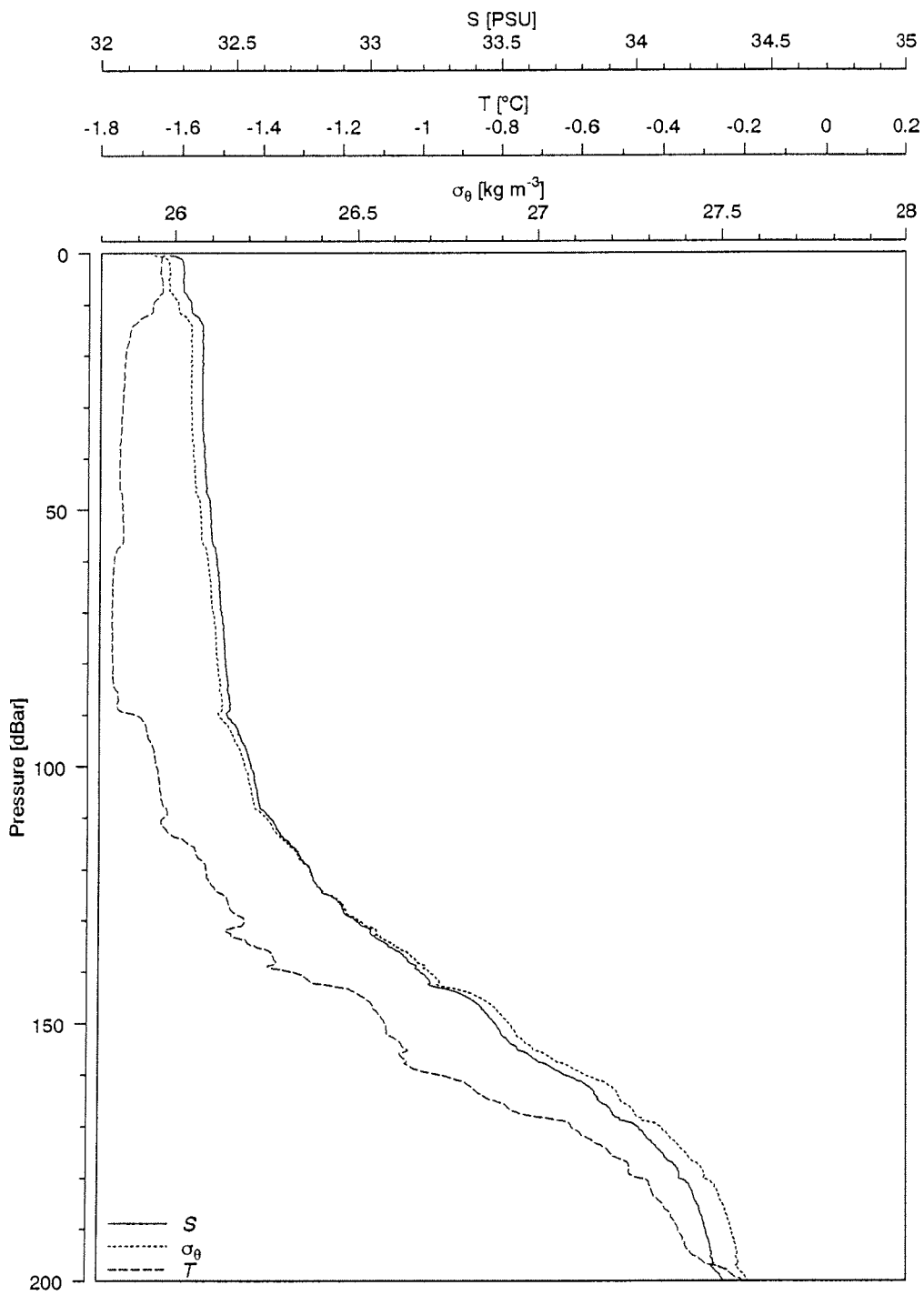
IC117017 May 30 1993, 14:01 UTC 80° 25.65'N 13° 38.98'W



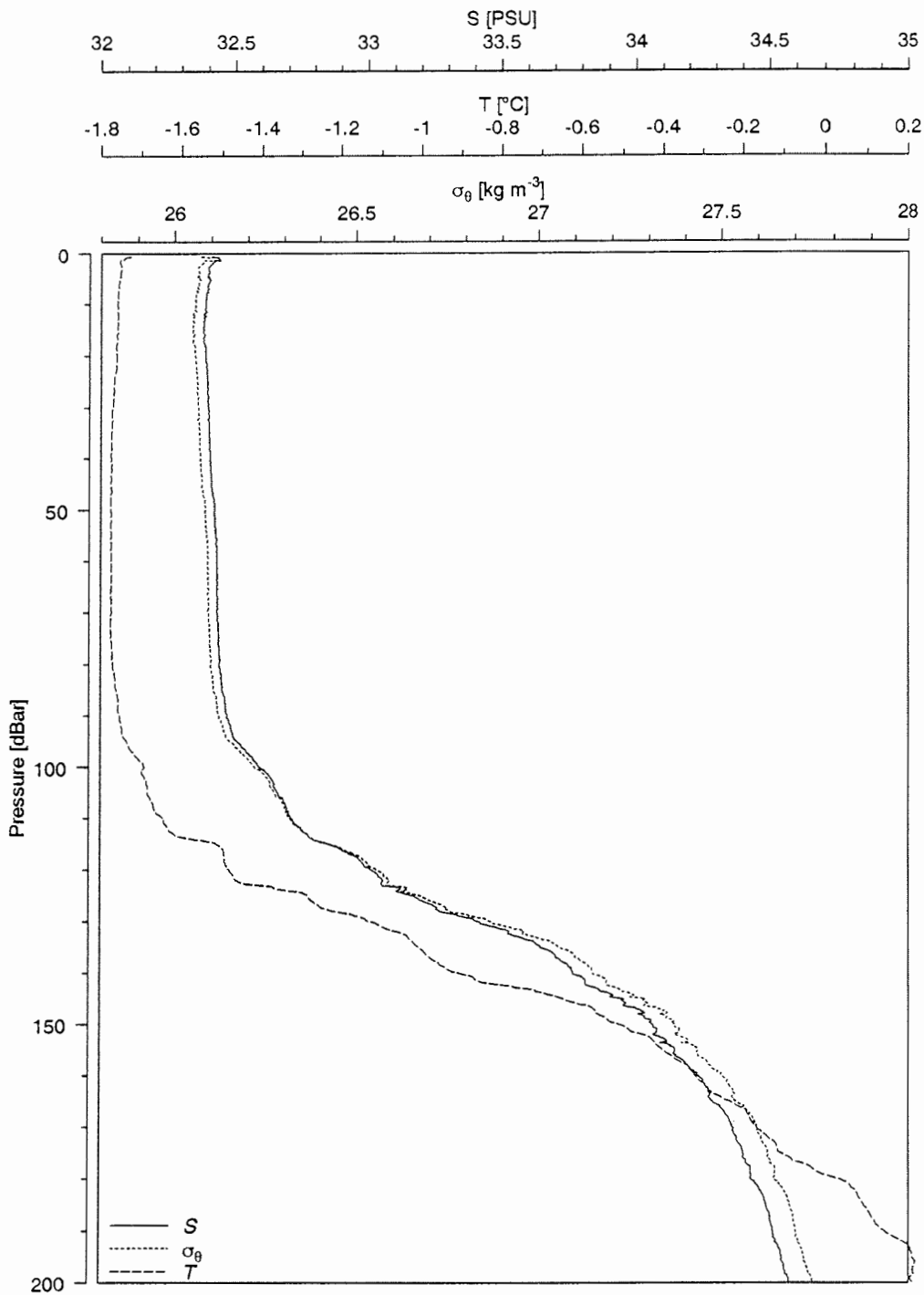
IC201019 June 8 1993, 16:48 UTC 80° 18.12'N 13° 30.86'W



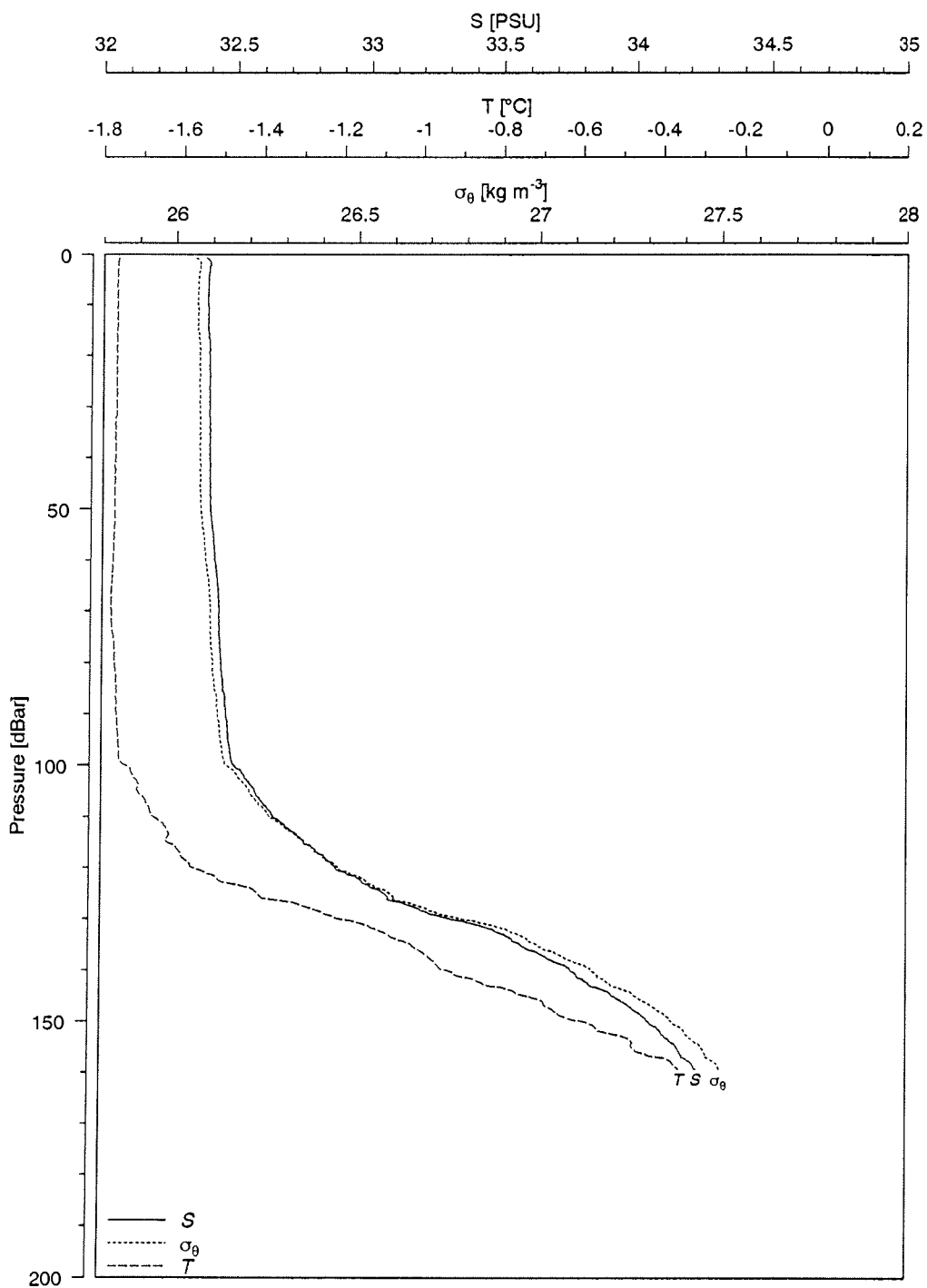
IC216034 June 9 1993, 03:32 UTC 80° 19.49'N 13° 11.67'W



IC224042 June 9 1993, 09:59 UTC 80° 19.30'N 12° 57.79'W

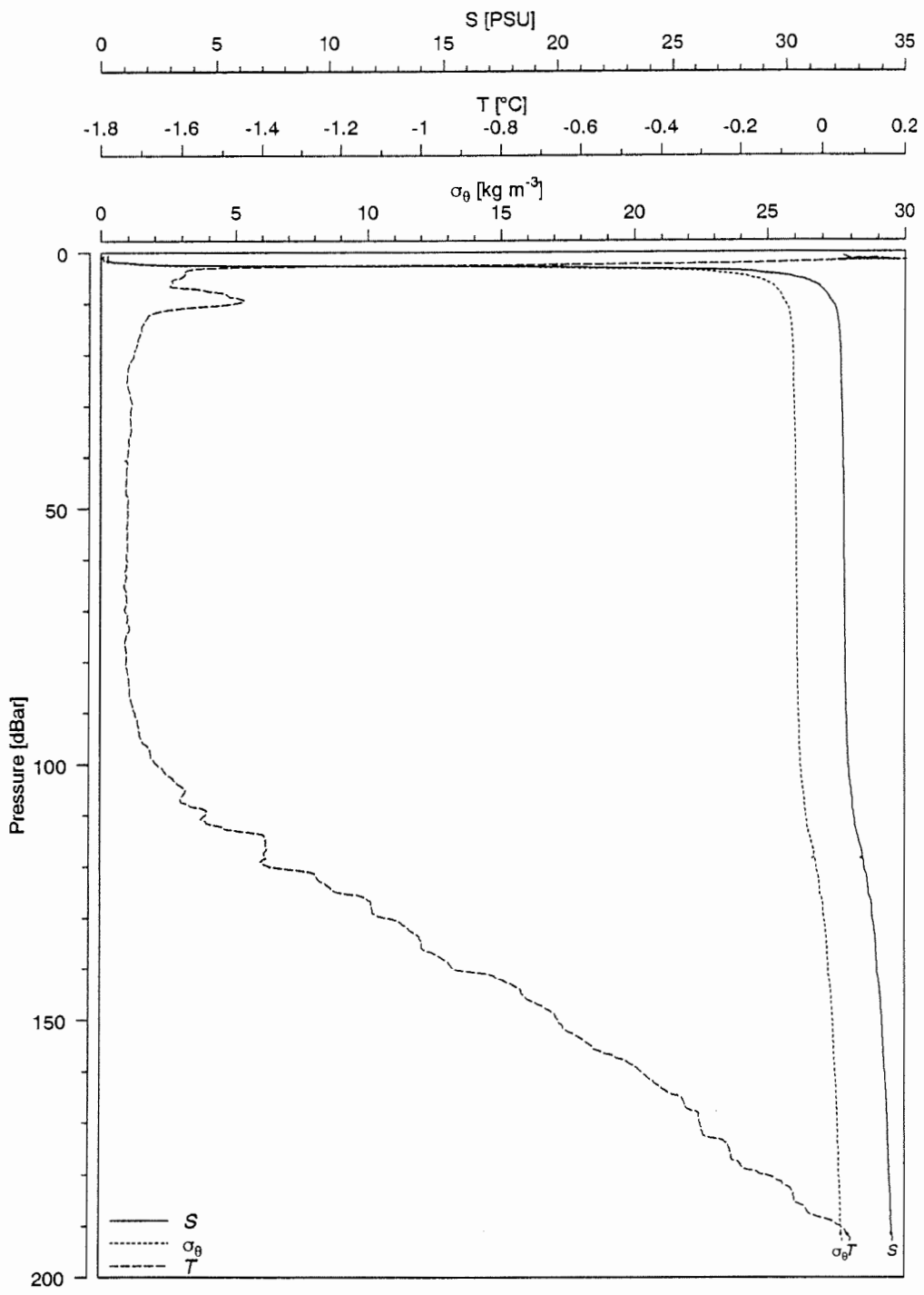


IC323065 June 16 1993, 16:27 UTC 80° 34.24'N 11° 04.58'W

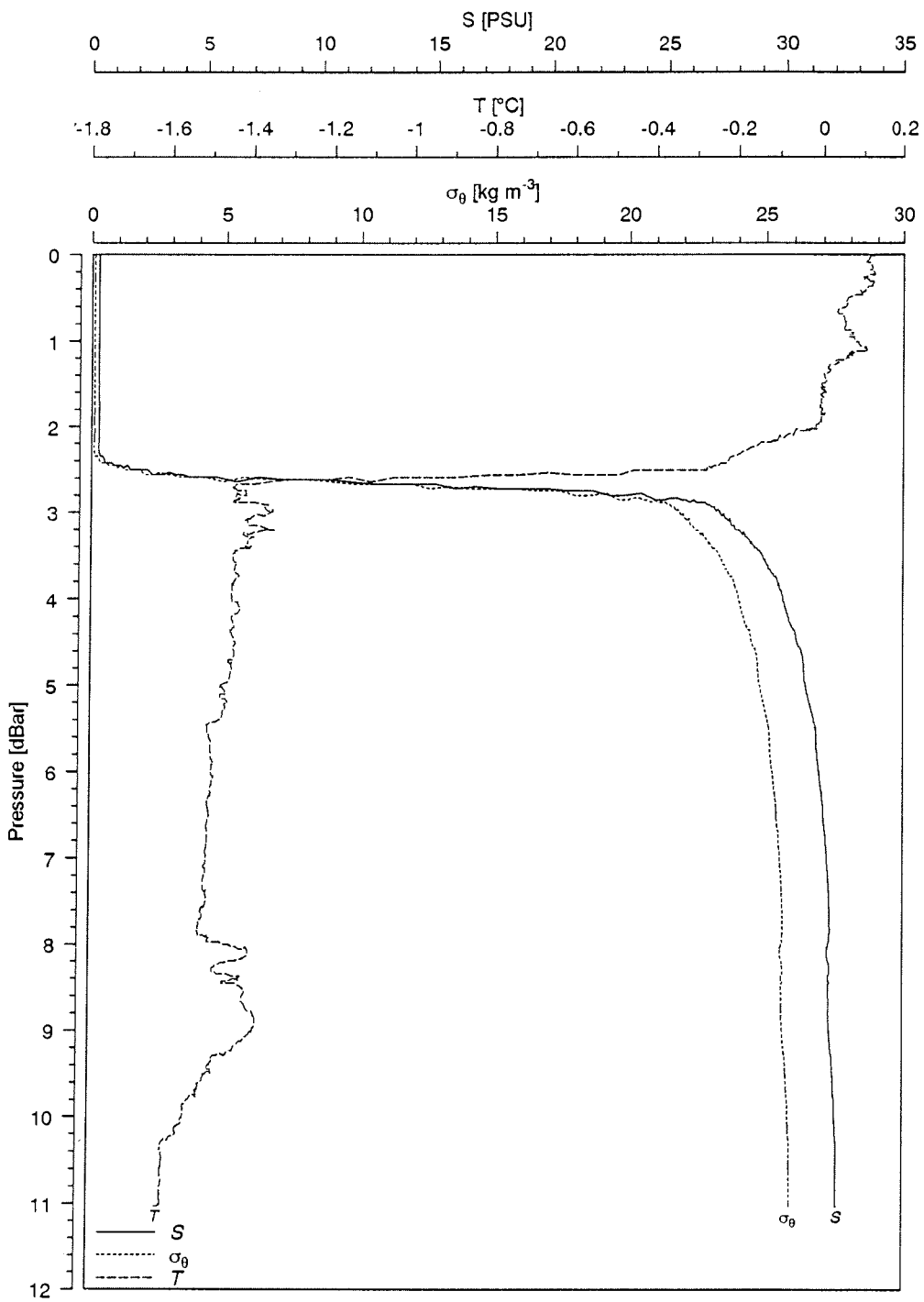


IC330072 June 16 1993, 20:34 UTC 80° 33.29'N 11° 08.55'W

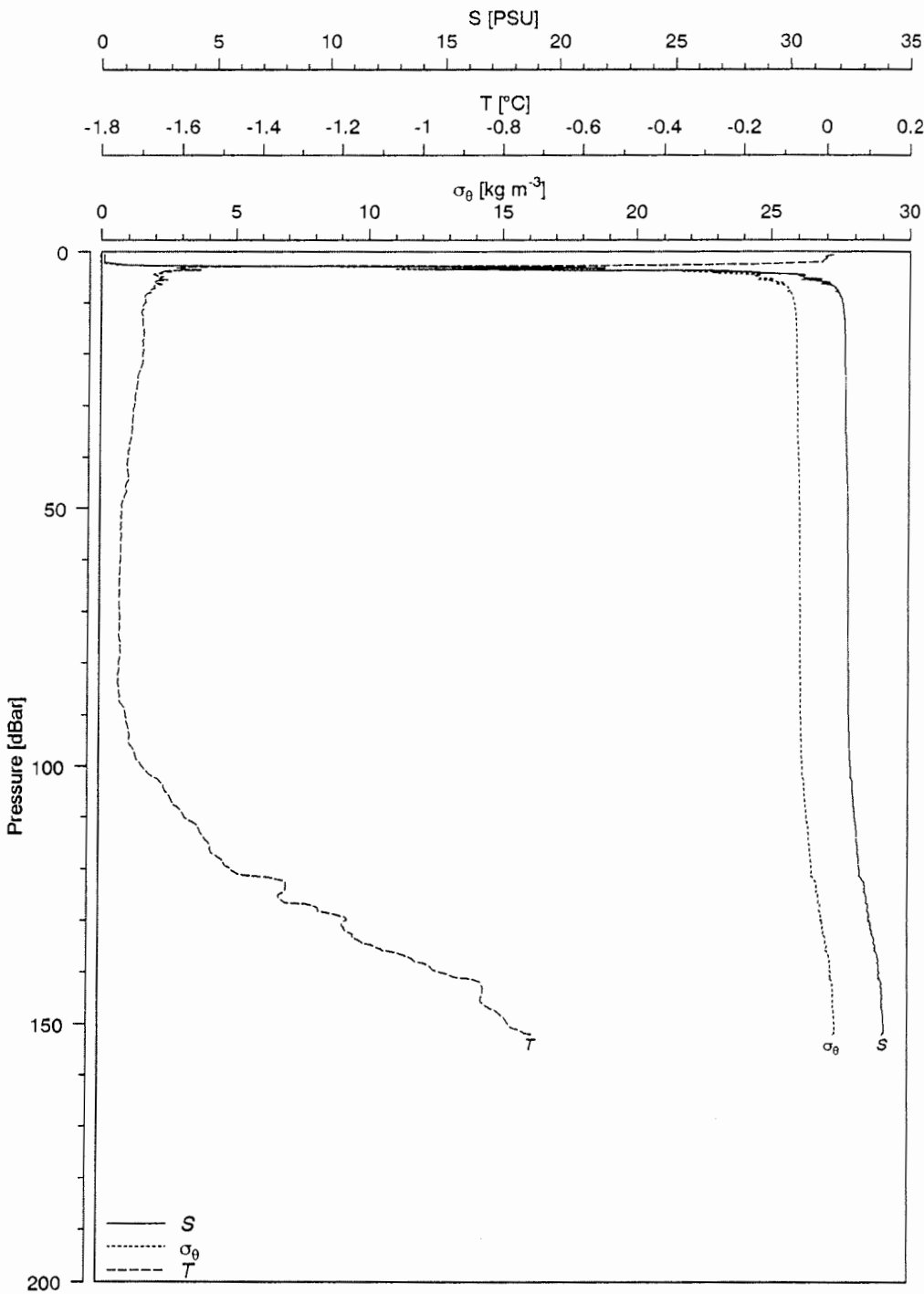




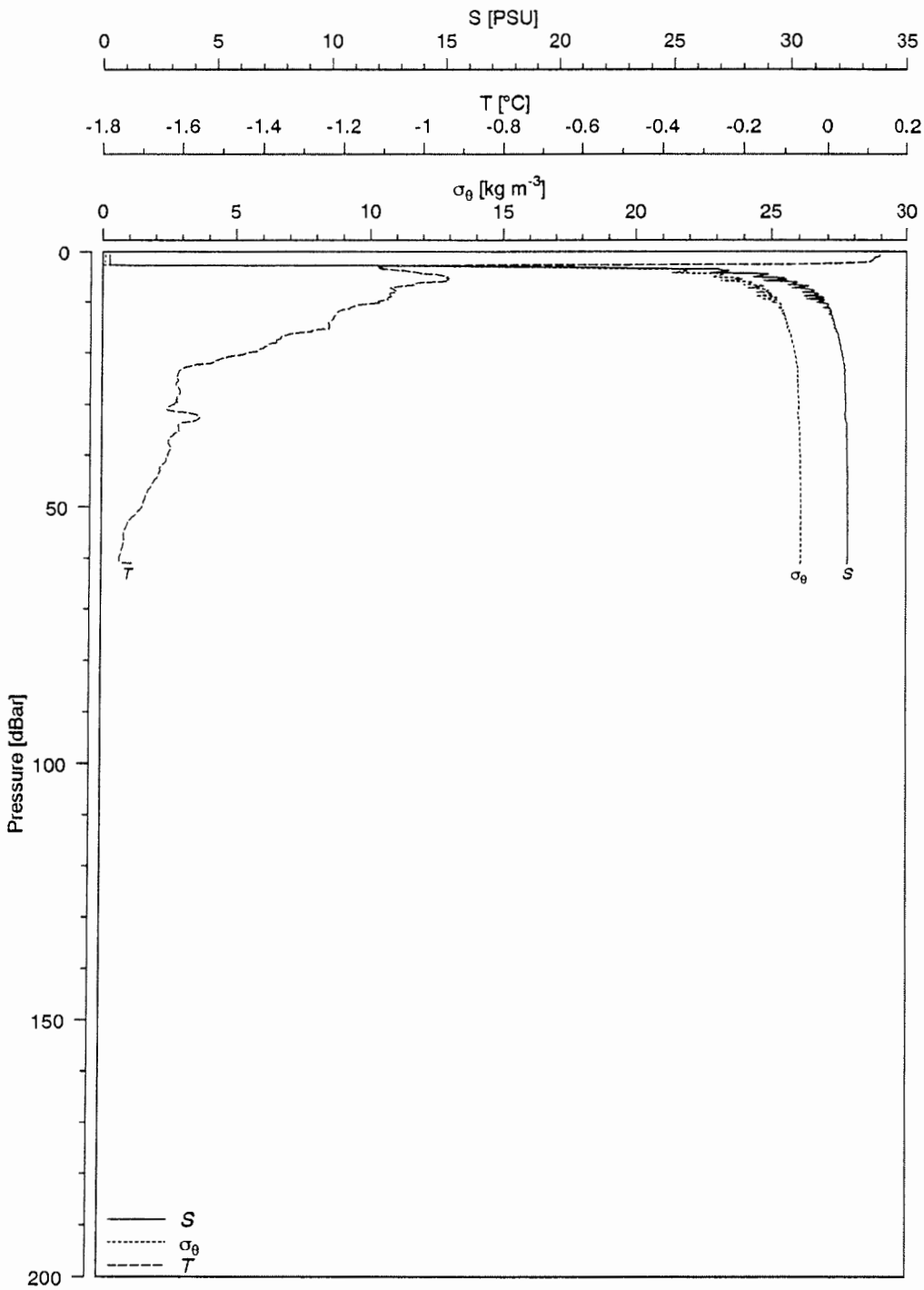
IC401094 July 06 1993, 05:20 UTC 80° 34.11'N 11° 19.13'W



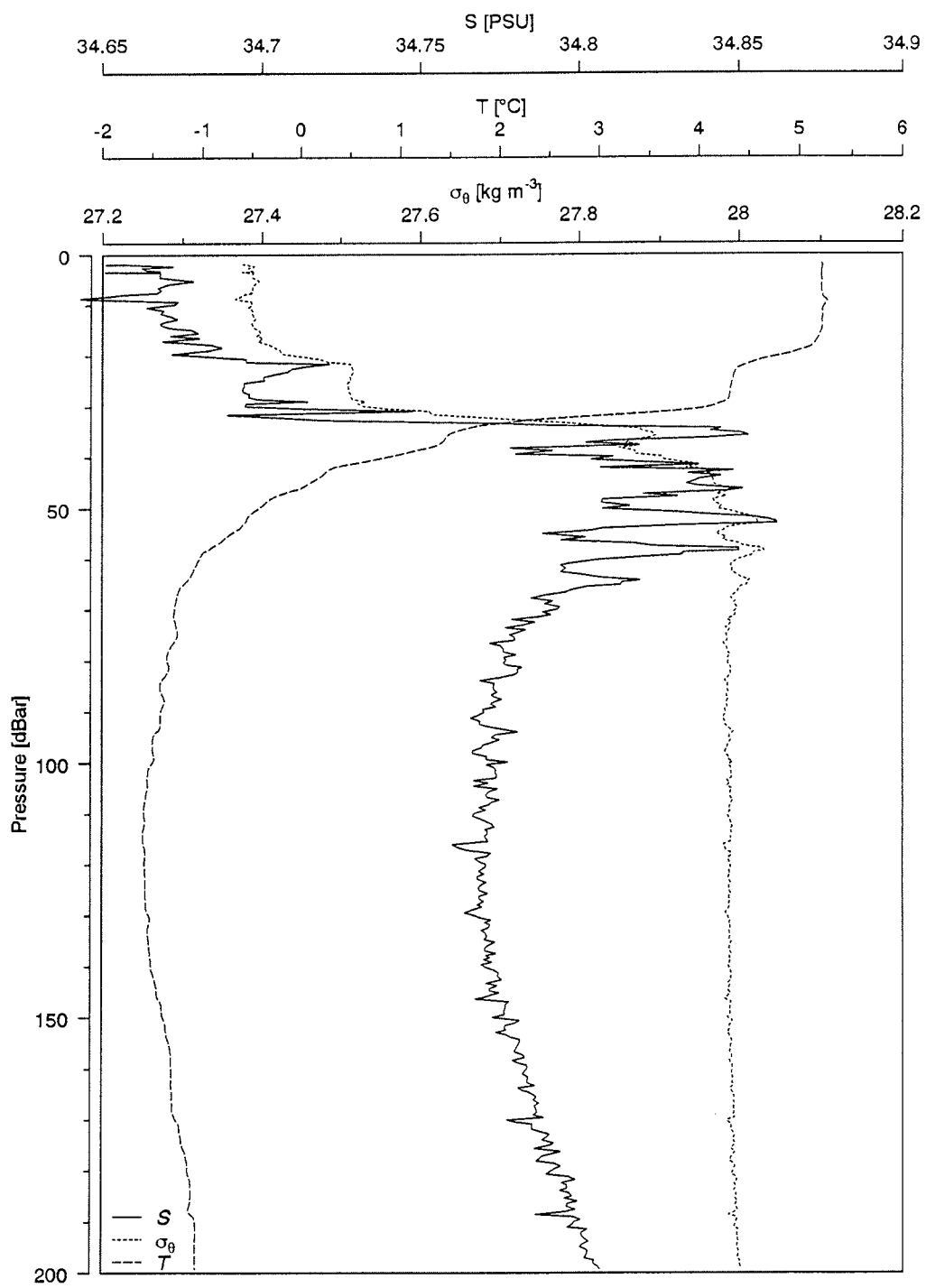
IC406099 July 06 1993, 16:33 UTC 80° 33.61'N 11° 01.16'W



IC407100 July 07 1993, 08:22 UTC 80° 31.11'N 10° 35.92'W



IC408117 July 29 1993, 16:09 UTC 78° 47.93'N 10° 51.55'W



CTD-CAL August 02 1993, 04:27 UTC 75° 00.86'N 03° 03.77'W

### **3 Distribution of nutrients**

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Water samples were taken with CTD casts by a 12 bottle rosette sampler connected to the CTD probe. All samples were analysed for nitrate, nitrite, phosphate, ammonium and silicate with a Technicon Autoanalyzer II system according to standard methods. Since on many stations additional casts were necessary for water sampling the data set contains the cast number and the bottle number for each sample. Therefore it is possible to select the data of each special sample. This may result in small inconsistencies due to the high variability of the nutrient distribution. If you find any other inconsistencies in the data or if you have any other difficulties please contact the authors.

This data set contains the so-called "Soll-depths". For the exact depths please refer to the hydrographic data set. For date, time and location of the stations, please refer to the station list in the cruise report.

STATION NO.: 002  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	10	3.0	9.98	0.04	0.42	5.37	0.77
01	11	10.0	9.40	0.06	0.45	5.31	0.67
01	08	16.0	9.83	0.08	0.71	5.34	0.79
01	07	27.0	9.73	0.12	0.44	5.28	0.79
01	06	50.0	9.74	0.06	0.44	5.35	0.96
01	05	75.0	10.02	0.03	0.44	5.39	0.80
01	04	102.0	10.47	0.05	0.45	6.03	0.85
01	03	150.0	10.78	0.06	0.42	6.37	0.90
01	02	200.0	10.98	0.14	0.43	6.81	0.92
01	01	500.0	11.26	0.11	0.55	7.45	0.93

STATION NO.: 003  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	0.0	3.72	0.01	0.46	12.08	1.19
01	11	5.0	3.62	0.02	0.45	11.86	1.13
01	10	10.0	3.55	0.02	0.40	11.86	1.12
01	09	20.0	3.42	0.02	0.45	10.53	1.08
01	08	40.0	3.46	0.01	0.50	9.97	1.09
01	07	60.0	3.97	0.02	0.47	10.36	1.12
01	06	100.0	6.91	0.03	0.87	5.73	0.76
01	05	150.0	8.77	0.01	0.46	7.19	0.84
01	04	300.0	10.93	0.01	0.54	8.29	0.99
01	03	500.0	11.06	0.01	0.45	7.86	1.00
01	02	1000.0	11.06	0.01	0.56	8.02	1.01
01	01	2000.0	12.06	0.01	0.64	9.91	1.15

STATION NO.: 004  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	3.76	0.01	0.59	12.65	1.18
01	11	6.0	3.79	0.02	0.43	12.52	1.13
01	10	10.0	3.82	0.01	0.44	12.49	1.13
01	09	20.0	4.04	0.01	0.40	12.06	1.09
01	08	40.0	4.74	0.00	0.39	10.41	0.99
01	06	100.0	5.29	0.00	0.63	6.43	0.72
01	05	125.0	5.59	0.01	0.43	6.24	0.76
01	04	150.0	6.36	0.01	0.54	6.51	0.77
01	03	300.0	10.57	0.00	0.51	8.46	1.02
01	02	500.0	10.93	0.00	0.51	7.73	1.06
01	01	1000.0	10.89	0.00	0.43	7.71	1.04

STATION NO.: 005

ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.9	4.23	0.02	0.39	15.09	1.12
01	10	6.3	4.27	0.01	0.41	14.94	1.10
01	09	9.5	4.28	0.01	0.40	14.94	1.08
01	08	16.5	4.36	0.01	0.39	14.94	1.06
01	07	27.5	4.53	0.02	0.39	13.63	1.08
01	06	47.5	5.43	0.01	0.43	12.54	1.01
01	05	70.5	6.23	0.01	0.50	11.02	0.86
01	04	100.0	7.59	0.02	0.68	8.41	0.78
01	03	150.0	9.69	0.02	0.50	9.21	0.88
01	02	200.0	10.82	0.03	0.56	9.80	0.94
01	01	450.0	12.25	0.01	0.41	8.92	0.98

STATION NO.: 006

ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	10	0.0	3.64	0.02	0.39	13.92	1.21
01	9	10.0	3.89	0.03	0.60	13.49	1.15
01	8	20.0	3.98	0.02	0.41	13.71	1.12
01	7	30.0	4.16	0.02	0.44	13.93	1.11
01	6	50.0	5.72	0.01	0.44	11.30	0.95
01	5	75.0	6.02	0.01	0.39	10.82	0.92
01	4	100.0	6.21	0.01	0.45	8.73	0.81
01	3	150.0	8.15	0.01	0.41	6.98	0.81
01	2	200.0	10.26	0.02	0.47	9.81	0.97
01	1	223.0	10.71	0.02	0.43	10.29	0.99

STATION NO.: 007

ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	9	0.0	4.29	0.02	0.37	14.24	1.09
01	8	10.0	4.31	0.02	0.36	13.76	1.09
01	7	20.0	4.31	0.03	0.48	13.86	1.14
01	6	30.0	4.37	0.02	0.35	13.57	1.08
01	5	50.0	5.04	0.01	0.34	12.85	1.09
01	4	75.0	6.63	0.02	0.37	10.68	0.88
01	3	100.0	6.67	0.01	0.36	7.81	0.71
01	2	150.0	10.19	0.03	0.37	8.27	0.84
01	1	190.0	12.23	0.07	0.38	13.09	0.93



STATION NO.: 008  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.9	4.01	0.02	0.37	12.60	1.15
01	10	3.0	3.97	0.02	0.34	12.70	1.13
01	8	6.0	4.11	0.02	0.34	12.70	1.21
01	7	11.5	4.08	0.01	0.36	12.22	1.16
01	6	22.8	4.11	0.02	0.49	12.60	1.30
01	5	40.0	4.09	0.02	0.41	12.60	1.22
01	4	65.0	4.03	0.01	0.36	10.87	1.11
01	3	100.0	5.16	0.01	0.36	11.06	1.10
01	2	121.0	7.05	0.01	0.42	12.12	1.10

STATION NO.: 009  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	4	3.9	3.89	0.02	0.40	11.79	1.12
01	3	8.9	3.87	0.02	0.48	11.78	1.12
01	1	14.3	3.84	0.02	0.40	11.76	1.12
01	12	23.9	3.92	0.01	0.39	11.63	1.05
01	11	36.9	3.97	0.01	0.43	11.31	1.08
01	10	52.6	4.80	0.00	0.43	10.88	1.05
01	9	149.3	10.81	0.01	0.42	12.79	1.00
01	8	199.9	13.09	0.01	0.44	13.75	1.01
01	7	215.5	13.18	0.01	0.45	13.90	1.05

STATION NO.: 010  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.2	3.81	0.01	0.51	10.49	1.08
01	10	8.0	3.77	0.01	0.45	10.30	1.02
01	8	11.5	3.80	0.01	0.46	10.11	1.02
01	7	16.0	3.81	0.02	0.45	9.78	1.03
01	6	20.0	3.80	0.02	0.42	9.45	1.03
01	5	39.0	3.81	0.02	0.42	9.78	1.02
01	4	58.2	3.83	0.02	0.48	9.84	1.02
01	3	100.0	3.93	0.02	0.40	9.98	1.02
01	2	150.0	8.04	0.02	0.45	12.12	1.02
01	1	179.0	11.47	0.03	0.45	13.69	0.99

STATION NO.: 011  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.8	3.87	0.01	0.60	11.11	1.16
01	11	8.0	3.78	0.01	0.48	11.01	1.06
01	10	11.0	3.76	0.01	0.43	10.90	1.03
01	09	15.0	3.78	0.01	0.56	10.88	1.04
01	08	20.0	3.78	0.01	0.49	10.81	1.05
01	07	40.0	3.79	0.01	0.47	10.85	1.03
01	06	60.0	3.80	0.01	0.50	10.84	1.03
01	05	100.0	3.82	0.01	0.46	10.92	1.03
01	04	140.0	6.07	0.02	0.47	12.49	1.06

STATION NO.: 012  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.7	3.78	0.07	0.48	10.09	1.04
01	11	6.0	3.79	0.04	0.42	9.42	1.04
01	10	12.0	3.77	0.05	0.44	9.38	1.04
01	09	17.0	3.78	0.05	0.56	9.41	1.04
01	08	27.0	3.40	0.05	0.67	9.51	-
01	07	43.0	3.78	0.05	0.60	9.59	-
01	06	48.0	3.69	0.07	0.46	9.45	-

STATION NO.: 013  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	09	2.0	3.74	0.02	0.45	9.60	-
01	08	5.0	3.91	0.02	0.63	9.80	-
01	06	10.0	3.92	0.02	0.46	9.82	-
01	04	22.0	3.89	0.04	0.43	9.76	-
01	02	40.0	3.91	0.04	0.45	9.89	-

STATION NO.: 014  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	10	1.7	4.08	0.01	0.46	-	1.05
01	09	2.5	3.98	0.01	0.46	-	1.02
01	08	5.3	3.98	0.01	0.58	-	1.02
01	07	9.3	4.08	0.01	0.49	-	1.01
01	06	15.0	4.08	0.01	0.49	-	1.03
01	05	35.0	3.98	0.03	0.53	-	1.03
01	04	56.0	3.88	0.03	0.48	-	1.03
01	03	100.0	5.18	0.02	0.47	-	1.02
01	01	107.0	5.28	0.01	0.42	-	1.02

STATION NO.: 015  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	12	1.6	4.18	0.01	0.47	11.04	1.20
01	12	2.0	4.08	0.01	0.44	-	1.03
02	10	3.0	4.08	0.01	0.50	10.89	1.08
02	07	6.0	4.08	0.01	0.45	10.92	1.09
02	06	11.0	4.08	0.01	0.53	10.97	1.06
02	04	20.0	4.18	0.01	0.47	10.86	1.09
02	01	39.0	4.08	0.01	0.49	10.86	1.08
01	06	55.0	4.48	0.01	0.46	-	1.02
01	05	100.0	5.18	0.01	0.42	-	1.03
01	04	125.0	6.67	0.01	0.44	-	1.03
01	03	150.0	9.36	0.01	0.45	-	1.01
01	01	181.0	11.75	0.02	0.46	-	0.92

STATION NO.: 016  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	01	1.6	4.28	0.01	0.45	10.92	1.13
01	12	4.1	4.18	0.01	0.41	11.08	1.09
01	11	5.9	4.18	0.01	0.52	10.67	1.09
01	10	12.2	4.18	0.03	0.48	11.04	1.11
01	09	22.8	4.28	0.01	0.43	11.19	1.11
01	08	38.0	4.48	0.01	0.43	11.25	1.11
01	07	58.0	4.58	0.01	0.58	11.41	1.20
01	06	100.0	5.48	0.00	0.44	12.00	1.14
01	05	150.0	11.85	0.01	0.46	11.17	1.03
01	04	200.0	13.24	0.01	0.46	10.65	1.00
01	03	293.0	13.54	0.01	0.48	10.46	1.03

STATION NO.: 017  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	01	0.0	3.65	0.02	0.20	10.27	1.05
01	12	6.4	3.79	0.01	0.21	9.56	1.10
01	11	10.0	3.94	0.02	0.22	9.67	1.17
01	10	14.0	4.03	0.01	0.19	11.02	1.09
01	09	16.2	4.12	0.01	0.22	11.44	1.12
01	08	26.0	4.14	0.01	0.21	11.32	1.04
01	06	41.0	5.00	0.01	0.24	10.81	1.01
01	05	63.0	8.79	0.01	0.20	11.61	0.99
01	04	100.0	9.88	0.01	0.25	11.43	1.02
01	03	116.0	9.90	0.01	0.20	11.35	1.05

STATION NO.: 018  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	02	250.0	12.80	0.09	0.34	10.16	0.95
01	01	310.0	12.87	0.05	0.32	9.65	0.89

STATION NO.: 019  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	09	2.0	2.60	0.04	0.30	8.60	0.94
01	08	4.3	2.48	0.04	0.30	8.64	0.92
01	07	9.0	2.62	0.04	0.29	8.76	0.94
01	06	18.0	2.64	0.04	0.28	8.78	0.94
01	05	32.0	3.19	0.04	0.23	9.48	0.97
01	04	47.0	3.98	0.03	0.23	10.36	1.00
01	03	67.0	4.28	0.03	0.23	10.70	1.01

STATION NO.: 020

ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	4.18	0.02	0.25	10.92	1.01
01	10	6.0	4.18	0.02	0.22	10.90	1.01
01	09	10.6	4.22	0.01	0.31	11.11	1.03
01	08	15.8	4.23	0.01	0.42	11.09	1.03
01	07	27.2	4.18	0.01	0.29	11.11	1.02
01	06	52.7	4.28	0.01	0.29	11.01	1.02
01	05	75.0	4.37	0.00	0.31	11.01	1.01
01	04	100.0	5.03	0.01	0.30	11.15	1.01
01	03	150.0	12.75	0.02	0.30	10.84	0.95
01	03	219.0	13.55	0.02	0.31	11.12	0.95

STATION NO.: 021

ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.7	4.27	0.00	0.39	11.03	1.13
01	10	4.0	4.24	0.00	0.52	10.80	1.07
01	08	8.0	4.26	0.00	0.54	10.70	1.08
01	06	14.0	4.24	0.00	0.42	10.75	1.06
01	04	25.0	4.22	0.00	0.48	10.76	1.07
01	02	45.0	4.14	0.00	0.44	10.57	1.08
02	07	62.0	4.28	0.00	0.39	10.56	1.07
02	05	100.0	5.29	0.01	0.38	11.13	1.08
02	04	150.0	11.69	0.01	0.41	10.62	0.99
02	03	200.0	12.97	0.01	0.37	10.38	1.00
02	01	299.0	13.35	0.01	0.40	10.66	1.00

STATION NO.: 022

ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.5	3.87	0.01	0.44	10.26	1.09
01	11	1.9	3.85	0.01	0.38	10.66	1.09
01	10	4.0	3.83	0.01	0.43	10.75	1.09
01	09	8.0	3.83	0.01	0.37	10.66	1.08
01	08	17.0	3.83	0.01	0.38	10.75	1.09
01	07	30.0	3.85	0.01	0.39	10.46	1.11
01	06	41.0	3.88	0.01	0.36	10.46	1.09
01	05	100.0	4.63	0.01	0.39	11.45	1.11
01	04	150.0	9.56	0.00	0.41	12.05	1.03
01	03	200.0	12.59	0.01	0.42	10.85	1.00
01	01	251.0	12.87	0.02	0.41	10.75	1.02

STATION NO.: 023

ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	10	3.2	3.86	0.04	0.42	10.90	1.12
01	09	5.0	3.67	0.04	0.49	10.75	1.06
01	08	10.0	3.77	0.02	0.51	10.68	1.08
01	07	15.0	3.84	0.02	0.41	10.70	1.09
01	06	20.0	3.74	0.04	0.44	10.70	1.10
01	05	30.0	4.81	0.02	0.45	11.70	1.10
01	04	100.0	8.16	0.08	0.43	13.44	1.08
01	03	150.0	11.86	0.03	0.44	11.26	1.01
01	02	198.0	11.98	0.02	0.41	11.26	1.02

STATION NO.: 024

ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	08	1.8	3.12	0.05	0.57	9.74	1.02
01	06	8.4	3.29	0.04	0.46	9.88	1.12
01	05	12.0	3.22	0.05	0.45	9.95	1.10
01	04	19.5	3.21	0.04	0.40	9.95	1.10
01	03	25.0	3.23	0.04	0.42	9.95	1.10
01	02	76.0	3.24	0.04	0.39	10.10	1.10

STATION NO.: 025

ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	1.9	3.36	0.03	0.39	10.03	1.10
01	10	3.3	3.40	0.03	0.37	10.03	1.12
01	09	5.9	3.37	0.04	0.37	10.10	1.10
01	07	11.0	3.35	0.04	0.37	10.03	1.11
01	05	19.0	3.30	0.04	0.37	10.03	1.11
01	04	27.9	3.46	0.03	0.38	9.95	1.15
01	03	38.8	3.53	0.03	0.37	9.95	1.11
01	02	79.0	3.73	0.03	0.40	9.95	1.13

STATION NO.: 026  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.6	4.08	0.01	0.45	12.14	1.17
01	11	8.0	4.07	0.01	0.45	12.04	1.14
01	10	8.8	4.04	0.01	0.44	11.83	1.13
01	09	10.7	4.11	0.01	0.41	11.63	1.14
01	08	13.4	4.11	0.01	0.45	11.63	1.13
01	07	26.4	4.13	0.00	0.38	11.63	1.14
01	06	37.0	4.10	0.01	0.38	14.77	1.14
01	05	100.0	4.31	0.01	0.43	13.75	1.16
01	04	150.0	10.12	0.01	0.43	13.75	1.07
01	03	200.0	12.38	0.01	0.47	13.45	1.07
01	02	251.0	12.61	0.01	0.41	13.45	1.05

STATION NO.: 027  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	1.7	3.83	0.01	0.41	10.00	1.17
01	09	6.0	3.81	0.01	0.43	10.05	1.14
01	07	7.4	3.83	0.01	0.46	10.09	1.15
01	05	12.8	3.82	0.01	0.41	10.27	1.15
01	03	17.7	3.83	0.01	0.42	10.25	1.15
01	01	25.0	3.87	0.01	0.43	10.25	1.18
02	08	28.4	3.88	0.01	0.40	10.76	1.15
02	07	100.0	5.01	0.01	0.47	10.71	1.17
02	04	150.0	10.16	0.01	0.38	10.71	1.07
02	03	200.0	12.02	0.02	0.48	10.71	1.06
02	01	279.0	12.57	0.02	0.41	10.71	1.12

STATION NO.: 028  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	07	1.8	3.91	0.01	0.44	-	1.07
01	06	3.5	3.90	0.01	0.45	-	1.07
01	05	6.0	3.89	0.01	0.48	-	1.07
01	04	11.0	3.89	0.01	0.48	-	1.06
01	03	20.0	3.91	0.01	0.48	-	1.07
01	02	36.0	3.92	0.01	0.42	-	1.08
01	01	43.0	3.91	0.01	0.47	-	1.06
02	06	46.0	3.85	0.02	0.51	-	1.05
02	05	100.0	4.51	0.08	0.55	-	1.08
02	04	150.0	10.28	0.02	0.41	-	0.95
02	03	200.0	12.16	0.02	0.48	-	0.94
02	02	319.0	12.32	0.02	0.40	-	0.97

STATION NO.: 029  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.5	4.03	0.02	0.42	-	1.08
01	11	3.0	3.97	0.02	0.39	-	1.09
01	10	6.0	3.99	0.02	0.39	-	1.08
01	09	11.0	3.96	0.01	0.40	-	1.08
01	08	21.0	3.97	0.01	0.39	-	1.08
01	07	31.0	3.88	0.01	0.44	-	1.08
01	06	35.0	4.92	0.01	0.41	-	1.08
01	05	100.0	12.06	0.01	0.40	-	1.05
01	04	150.0	11.03	0.02	0.43	-	0.97
01	03	200.0	12.45	0.02	0.45	-	0.98

STATION NO.: 030  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	1.7	3.68	0.02	0.45	11.41	1.25
01	09	5.3	3.64	0.02	0.43	11.19	1.12
01	07	8.1	3.68	0.01	0.45	11.18	1.13
01	05	13.8	3.73	0.01	0.50	11.16	1.15
02	08	21.5	3.71	0.02	0.49	11.26	1.16
01	03	23.0	3.75	0.01	0.43	11.22	1.18
01	02	35.0	3.78	0.01	0.48	11.40	1.28
02	06	35.0	3.41	0.02	0.47	11.25	1.08
02	05	50.0	3.63	0.03	0.40	11.24	1.11
02	04	100.0	4.11	0.01	0.47	11.57	1.15
02	03	150.0	10.62	0.02	0.53	11.45	1.13
02	02	200.0	11.71	0.02	0.49	11.34	1.02
02	02	320.0	12.05	0.02	0.47	11.08	0.98

STATION NO.: 031  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	0.0	3.49	0.02	0.43	10.10	1.36
01	11	5.0	3.52	0.01	0.41	10.01	1.30
01	10	10.0	3.58	0.03	0.40	10.03	1.23
01	09	15.0	3.37	0.05	0.40	10.16	1.17
01	08	25.0	3.52	0.05	0.40	10.16	1.19
01	07	35.0	3.58	0.02	0.39	10.23	1.18
01	06	50.0	3.52	0.01	0.38	10.16	1.20
01	05	75.0	3.58	0.01	0.45	10.10	1.22
01	04	100.0	3.79	0.02	0.48	10.49	1.20
01	03	150.0	9.49	0.01	0.43	11.33	1.12
01	02	200.0	11.41	0.00	0.44	10.34	1.09
01	02	250.0	11.71	0.01	0.48	10.35	1.13



STATION NO.: 032  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	10	5.0	2.96	0.02	0.45	11.24	1.01
02	09	10.0	3.02	0.02	0.43	11.30	1.06
02	08	15.0	3.19	0.02	0.41	11.33	1.12
01	09	20.0	2.20	0.03	0.46	9.40	1.02
02	07	25.0	3.46	0.02	0.39	11.21	1.10
01	08	30.0	2.17	0.03	0.41	9.28	0.99
02	06	35.0	3.47	0.03	0.49	11.23	1.09
01	07	50.0	3.45	0.01	0.40	10.85	1.06
02	05	50.0	3.61	0.02	0.40	11.31	1.09
02	04	75.0	3.84	0.01	0.42	11.61	1.11
01	06	100.0	4.21	0.01	0.41	11.19	1.03
02	03	100.0	4.90	0.01	0.47	11.63	1.08
01	05	150.0	10.73	0.03	0.42	10.94	0.97
02	02	150.0	11.25	0.01	0.45	11.14	1.00
01	04	200.0	11.30	0.01	0.43	10.90	0.98
02	01	200.0	11.48	0.01	0.42	11.52	1.02
01	02	244.0	11.60	0.02	0.43	11.48	1.00
01	01	247.0	11.61	0.02	0.43	11.53	1.00

STATION NO.: 033  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	0.0	2.66	0.01	0.34	12.69	1.13
01	10	10.0	2.68	0.02	0.37	12.30	1.10
01	08	20.0	2.75	0.02	0.36	12.11	1.10
01	06	30.0	2.79	0.03	0.37	11.92	1.10
01	04	35.0	2.87	0.03	0.37	11.82	1.03
01	02	44.0	2.86	0.04	0.36	11.53	1.00

STATION NO.: 034  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	09	2.0	2.94	0.03	0.37	-	1.09
01	08	5.0	2.95	0.02	0.38	-	1.10
01	07	11.0	2.95	0.02	0.37	-	1.10
01	05	15.0	3.01	0.02	0.36	-	1.10
01	03	25.0	2.91	0.03	0.40	-	1.10
01	02	35.0	2.89	0.03	0.37	-	1.10
01	01	43.0	2.88	0.03	0.38	-	1.08

STATION NO.: 035  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	0.0	3.77	0.03	0.34	13.81	1.14
02	11	1.5	3.71	0.03	0.34	13.79	1.09
02	09	3.0	3.75	0.02	0.39	13.95	1.09
01	10	5.0	3.77	0.03	0.35	13.83	1.11
02	07	6.0	3.78	0.03	0.37	13.98	1.09
01	09	10.0	3.79	0.03	0.35	13.84	1.11
02	05	10.7	3.85	0.03	0.39	14.15	1.09
01	08	15.0	3.85	0.03	0.40	13.78	1.10
02	02	19.7	4.18	0.04	0.37	14.14	1.09
01	07	25.0	3.89	0.04	0.34	13.84	1.10
01	04	35.0	4.14	0.03	0.35	13.73	1.11
02	01	35.8	4.26	0.04	0.33	13.94	1.09
01	02	43.0	4.16	0.03	0.33	13.76	1.09
01	01	80.0	4.59	0.03	0.35	13.82	1.09

STATION NO.: 036  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	1.5	3.83	0.05	0.47	13.84	1.24
02	12	1.5	3.77	0.03	0.48	13.84	1.20
02	10	4.0	3.75	0.03	0.38	13.84	1.17
02	08	7.0	3.92	0.04	0.42	13.92	1.17
01	09	10.0	3.94	0.05	0.44	13.89	1.19
02	06	12.0	3.92	0.03	0.40	13.92	1.17
01	08	15.0	3.95	0.04	0.44	13.89	1.19
01	06	20.0	4.10	0.04	0.45	13.83	1.17
02	04	21.0	3.97	0.03	0.36	13.97	1.19
01	05	25.0	4.05	0.04	0.42	13.85	1.17
01	04	30.0	4.07	0.04	0.38	13.85	1.16
02	02	32.4	4.34	0.04	0.42	14.00	1.19
01	02	35.0	4.07	0.04	0.46	13.85	1.17

STATION NO.: 037  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	07	1.5	3.60	0.03	0.31	12.66	1.12
01	06	5.0	3.60	0.03	0.31	12.71	1.10
01	05	10.0	3.58	0.02	0.34	12.86	1.11
01	04	15.0	3.56	0.03	0.34	12.89	1.11
01	03	23.0	3.57	0.04	0.36	13.00	1.11
01	02	25.0	3.53	0.04	0.34	13.09	1.11
01	01	29.0	3.54	0.03	0.33	13.19	1.10

STATION NO.: 038  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	09	1.5	3.38	0.02	0.45	13.39	1.15
01	08	3.0	3.40	0.02	0.40	13.55	1.10
01	07	7.2	3.41	0.02	0.35	13.60	1.07
01	06	11.0	3.41	0.03	0.40	13.59	1.07
01	05	20.0	3.43	0.02	0.40	13.83	1.07
01	04	31.0	3.47	0.02	0.35	13.88	1.09
01	03	33.0	3.44	0.04	0.42	13.84	1.09
01	02	40.0	3.47	0.03	0.42	13.83	1.09
01	01	57.5	4.20	0.03	0.41	13.89	1.09

STATION NO.: 039  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	06	1.5	3.43	0.02	0.45	13.63	1.14
01	05	3.5	3.44	0.02	0.48	13.70	1.15
01	04	7.0	3.42	0.02	0.45	13.71	1.10
01	03	12.5	3.36	0.03	0.44	13.69	1.08
01	02	20.6	3.43	0.03	0.46	13.78	1.11
01	01	29.0	3.43	0.03	0.45	13.82	1.11

STATION NO.: 040  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	07	1.5	2.58	0.02	0.44	13.40	1.08
01	06	3.2	2.54	0.03	0.44	13.42	1.08
01	05	5.6	2.52	0.03	0.44	13.41	1.09
01	04	10.0	2.56	0.02	0.44	13.44	1.10
01	10	15.0	2.59	0.02	0.44	13.40	1.11
01	03	16.9	2.55	0.02	0.40	13.44	1.12
01	02	25.2	2.45	0.02	0.39	13.41	1.09
01	01	30.0	2.46	0.02	0.40	13.19	1.08
01	08	33.5	2.74	0.03	0.43	13.28	1.11

STATION NO.: 041  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	1.5	2.24	0.05	0.43	11.51	1.11
01	10	2.3	1.56	0.04	0.39	11.54	1.02
01	09	4.0	2.18	0.05	0.42	11.51	1.09
01	08	7.2	2.09	0.06	0.38	11.61	1.03
01	07	13.0	2.11	0.05	0.38	11.56	1.02
01	06	19.5	1.94	0.03	0.39	11.74	0.99
01	05	24.0	2.34	0.05	0.38	11.92	1.04
01	04	50.0	3.98	0.08	0.48	11.40	1.05
01	03	75.0	5.37	0.07	0.37	11.79	1.04
01	02	100.0	7.56	0.02	0.39	12.56	1.22
01	01	153.0	12.42	0.07	0.41	13.54	1.06

STATION NO.: 042  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	10	1.7	3.47	0.02	0.41	11.95	1.18
01	09	5.5	3.46	0.02	0.45	11.55	1.20
01	08	8.3	3.45	0.02	0.45	11.75	1.20
01	07	13.5	3.45	0.02	0.46	11.85	1.25
01	05	25.5	3.51	0.02	0.55	12.25	1.20
01	04	29.0	3.52	0.03	0.47	12.05	1.18
01	03	34.7	3.55	0.03	0.43	11.95	1.15
01	02	39.3	3.57	0.04	0.49	11.85	1.10
01	01	50.0	3.91	0.02	0.45	11.65	1.13

STATION NO.: 043  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	08	0.0	3.70	0.03	0.48	-	1.17
01	06	7.8	3.76	0.03	0.46	-	1.13
01	05	12.3	3.72	0.03	0.49	-	1.09
01	04	15.8	3.69	0.03	0.44	-	1.10
01	02	26.0	3.71	0.03	0.46	-	1.11
01	01	34.0	3.69	0.03	0.45	-	1.09

STATION NO.: 044  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	06	4.0	3.53	0.02	0.45	-	1.16
01	05	6.0	3.55	0.02	0.44	-	1.13
01	04	11.0	3.53	0.02	0.44	-	1.14
01	03	20.0	3.52	0.02	0.41	-	1.13
01	02	34.0	3.56	0.03	0.48	-	1.10
01	01	37.0	3.61	0.02	0.48	-	1.09

STATION NO.: 045  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	08	1.6	3.45	0.02	0.39	12.72	0.97
01	07	4.5	3.41	0.02	0.38	12.92	1.00
01	06	8.0	3.39	0.02	0.41	14.69	0.99
01	05	13.5	3.35	0.03	0.38	14.69	1.01
01	04	21.0	3.17	0.03	0.39	14.00	0.99
01	03	35.0	2.96	0.04	0.41	13.02	0.98
01	02	38.0	2.96	0.04	0.41	12.72	0.97
01	01	60.0	4.70	0.03	0.38	13.02	0.98

STATION NO.: 046  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	12	1.2	3.34	0.03	0.49	13.51	0.91
01	09	1.5	3.45	0.03	0.37	14.69	0.98
01	08	5.0	3.43	0.02	0.42	14.99	0.96
02	10	5.6	3.34	0.04	0.65	13.81	1.02
02	08	8.5	3.28	0.04	0.46	14.79	0.94
01	07	10.0	3.38	0.02	0.51	14.79	0.98
02	06	14.8	3.33	0.03	0.38	14.99	0.93
01	06	15.0	3.38	0.03	0.44	11.93	0.94
01	05	25.0	3.11	0.04	0.49	12.33	0.92
02	04	25.0	3.40	0.02	0.46	14.99	0.93
01	04	32.8	2.78	0.04	0.45	11.64	0.91
01	02	36.0	2.01	0.04	0.47	10.95	0.87
01	11	50.0	3.01	0.04	0.41	11.44	0.88
01	10	75.0	4.59	0.03	0.39	13.12	0.93
01	01	94.0	5.46	0.04	0.40	13.21	0.92

STATION NO.: 047

ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.5	3.11	0.02	0.47	14.08	1.20
01	11	3.7	3.22	0.02	0.44	14.49	1.17
01	10	7.0	3.09	0.02	0.50	14.10	1.11
01	09	14.0	2.01	0.02	0.60	11.91	0.98
01	08	22.3	1.76	0.03	0.49	10.71	0.97
01	07	35.0	2.06	0.03	0.54	10.73	1.01
01	06	43.0	3.12	0.03	0.46	11.67	1.07
01	05	75.0	3.94	0.02	0.51	12.41	1.11
01	04	100.0	7.60	0.03	0.49	14.49	1.11
01	03	150.0	8.61	0.02	0.53	14.75	1.02
01	02	200.6	9.29	0.02	0.43	14.73	0.99
01	01	220.7	9.41	0.02	0.46	14.90	1.07

STATION NO.: 048

ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.5	3.03	0.03	0.49	12.60	1.17
01	11	4.0	3.02	0.03	0.48	12.60	1.10
01	10	6.0	3.03	0.03	0.48	12.60	1.07
01	09	10.3	3.07	0.03	0.49	12.40	1.06
01	08	18.6	3.09	0.03	0.46	12.40	1.06
01	07	29.8	3.46	0.02	0.47	11.20	1.07
01	06	38.5	3.74	0.02	0.47	10.90	1.03
01	05	75.0	6.60	0.02	0.49	11.80	1.10
01	04	100.0	7.83	0.03	0.43	12.20	1.07
01	03	150.0	9.34	0.01	0.45	12.90	1.04
01	02	200.0	9.93	0.02	0.46	12.90	1.03
01	01	280.0	10.28	0.03	0.45	12.80	1.07

STATION NO.: 049

ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	10	0.0	3.33	0.02	0.52	8.30	1.10
01	09	5.0	3.57	0.02	0.49	8.40	1.04
01	08	10.0	3.62	0.02	0.53	11.30	1.01
01	07	15.0	3.80	0.02	0.53	11.30	1.03
01	06	25.0	3.94	0.02	0.49	11.40	1.04
01	05	35.0	4.08	0.01	0.49	11.50	1.02
01	04	50.0	4.13	0.01	0.51	11.70	1.04
01	03	75.0	4.43	0.01	0.53	12.00	1.04
01	02	100.0	6.37	0.02	0.51	12.70	1.04
01	01	132.0	8.56	0.02	0.53	13.10	1.04

STATION NO.: 051  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	3.98	0.02	0.48	-	1.14
01	11	5.0	3.99	0.02	0.52	-	1.05
01	10	10.0	4.03	0.02	0.57	-	1.09
01	09	15.0	4.03	0.01	0.51	-	1.09
01	08	25.0	4.06	0.02	0.55	-	1.09
01	07	35.0	4.13	0.01	0.48	-	1.08
01	06	40.0	4.18	0.01	0.50	-	1.06
01	04	50.0	4.25	0.01	0.52	-	1.09
01	03	74.0	4.36	0.02	0.46	-	1.06
01	02	100.0	4.58	0.02	0.49	-	1.07
01	01	120.0	8.83	0.01	0.49	-	1.05

STATION NO.: 052  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	3.6	2.01	0.03	0.50	12.18	1.26
01	10	8.4	1.96	0.02	0.50	12.62	1.17
01	09	13.1	2.11	0.03	0.50	12.62	1.17
01	08	18.2	2.84	0.03	0.53	12.62	1.17
01	07	28.2	2.99	0.03	0.54	12.62	1.14
01	06	37.4	3.72	0.02	0.50	12.62	1.16
01	05	48.9	4.31	0.02	0.51	12.62	1.17
01	04	73.8	5.31	0.02	0.50	12.62	1.17
01	03	99.7	8.30	0.04	0.51	12.62	1.16
01	02	150.0	10.04	0.04	0.53	11.73	1.13
01	01	156.7	10.13	0.04	0.48	11.91	1.12

STATION NO.: 053  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.5	1.47	0.02	0.54	10.35	1.14
01	11	3.0	1.40	0.03	0.48	-	1.10
01	10	5.5	1.47	0.03	0.51	9.96	1.04
01	09	8.8	1.34	0.03	0.50	9.48	1.00
01	08	14.7	1.35	0.02	0.60	9.09	0.99
01	07	22.0	2.30	0.02	0.61	10.35	1.03
01	06	24.0	2.85	0.02	0.53	11.79	1.03
01	05	31.0	3.41	0.02	0.49	11.79	1.05
01	04	50.0	4.23	0.01	0.51	13.05	1.09
01	03	75.0	4.71	0.01	0.51	13.53	1.09
01	02	100.0	7.69	0.02	0.50	13.53	1.05
01	01	146.0	12.87	0.01	0.52	13.53	1.00

STATION NO.: 054  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.6	1.59	0.02	0.59	10.03	1.30
01	11	2.7	1.65	0.02	0.49	9.76	1.25
01	10	3.0	1.71	0.02	0.55	9.94	1.16
01	09	6.3	1.72	0.02	0.48	9.74	1.13
01	08	12.5	1.83	0.02	0.58	9.76	1.15
01	06	28.0	2.92	0.03	0.47	10.30	1.15
01	05	50.0	4.35	0.02	0.51	12.03	1.23
01	04	75.0	5.37	0.02	0.44	12.61	1.19
01	03	100.0	8.61	0.03	0.58	13.51	1.18
01	02	150.0	13.12	0.02	0.52	12.32	1.08
01	01	205.0	13.27	0.01	0.60	12.32	1.05

STATION NO.: 055  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.7	1.62	0.03	0.55	12.17	0.95
02	12	1.7	1.64	0.03	0.52	12.23	0.92
02	10	4.6	1.42	0.03	0.47	11.67	0.91
02	08	7.4	1.59	0.03	0.53	12.44	0.93
02	06	11.1	1.68	0.02	0.49	12.49	0.93
02	04	17.3	1.68	0.03	0.50	12.33	0.94
01	10	19.0	2.43	0.04	0.56	11.63	0.94
02	02	24.0	2.38	0.03	0.49	11.92	0.95
01	06	28.0	3.77	0.05	0.53	11.63	0.94
01	05	50.0	5.00	0.06	0.59	12.06	0.96
01	04	75.0	5.97	0.03	0.59	12.44	0.99
01	03	100.0	8.58	0.03	0.52	13.08	0.95
01	02	150.0	13.00	0.06	0.58	13.61	0.95
01	01	195.0	13.29	0.05	0.58	13.23	0.94

STATION NO.: 057  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	10	0.0	2.79	0.03	0.49	10.90	1.08
01	09	5.0	2.71	0.02	0.50	10.55	1.03
01	08	10.0	2.89	0.02	0.50	10.74	1.01
01	07	15.0	2.99	0.02	0.52	10.93	1.00
01	06	25.0	3.71	0.02	0.53	11.84	1.04
01	05	34.0	3.86	0.02	0.51	12.14	1.05
01	04	50.0	4.01	0.02	0.52	12.09	1.07
01	03	75.0	4.18	0.02	0.49	11.77	1.09
01	02	100.0	7.41	0.02	0.59	13.10	1.01
01	01	140.0	12.76	0.02	0.49	13.34	1.01



STATION NO.: 058  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.7	4.04	0.01	0.52	11.92	1.10
01	11	4.4	3.93	0.01	0.48	11.88	1.05
01	10	7.4	3.89	0.03	0.58	12.15	1.02
01	09	11.7	4.06	0.01	0.55	12.24	1.03
01	08	21.5	4.23	0.02	0.55	12.38	1.14
01	07	31.1	4.16	0.01	0.52	12.42	1.03
01	06	44.3	4.18	0.02	0.63	12.67	1.03
01	05	75.0	4.66	0.04	0.55	13.10	1.02
01	04	99.3	5.56	0.02	0.50	13.52	1.02
01	03	100.1	12.44	0.02	0.53	12.74	0.94
01	02	199.8	13.25	0.03	0.51	12.97	0.92
01	01	249.0	13.29	0.02	0.49	13.46	0.92

STATION NO.: 059  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.6	3.69	0.01	0.48	11.82	1.22
01	11	3.8	3.69	0.02	0.55	11.74	1.15
01	10	8.5	3.71	0.01	0.49	11.64	1.12
01	09	14.0	3.73	0.01	0.53	11.63	1.11
01	08	24.5	3.80	0.01	0.52	11.93	1.11
01	07	38.7	3.92	0.01	0.72	12.15	1.11
01	06	43.0	4.03	0.01	0.44	12.33	1.09
01	05	73.5	4.44	0.01	0.48	12.94	1.07
01	04	100.0	6.22	0.01	0.50	13.89	1.06
01	03	150.0	11.62	0.01	0.59	12.91	0.97
01	02	200.0	13.04	0.01	0.52	12.44	0.97
01	01	312.0	13.21	0.01	0.50	12.66	0.98

STATION NO.: 060  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.6	3.11	0.02	0.56	10.27	1.11
01	11	3.5	3.18	0.02	0.64	10.76	1.13
01	10	6.4	3.28	0.02	0.49	11.04	1.06
01	09	11.0	3.54	0.02	0.62	11.48	1.10
01	08	21.0	3.76	0.03	0.51	11.93	1.14
01	07	35.0	3.85	0.02	0.63	12.28	1.19
01	06	45.7	3.98	0.01	0.50	12.74	1.14
01	05	75.0	4.37	0.01	0.61	13.38	1.14
01	04	100.0	5.11	0.01	0.71	14.22	1.13
01	03	150.0	10.28	0.03	0.62	15.22	1.02
01	02	200.0	12.79	0.02	0.65	11.13	1.01
01	01	250.0	13.04	0.03	0.68	11.72	1.05

STATION NO.: 061  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	0.0	4.41	0.01	0.52	10.96	1.28
01	11	5.3	4.37	0.01	0.44	11.09	1.20
01	10	9.1	4.34	0.01	0.43	11.05	1.17
01	09	14.9	4.24	0.01	0.39	10.99	1.18
01	08	24.6	4.16	0.01	0.38	10.79	1.17
01	07	35.2	4.12	0.01	0.43	10.18	1.19
01	06	41.7	4.04	0.01	0.39	10.13	1.21
01	05	50.5	4.21	0.01	0.40	10.13	1.22
01	04	100.8	6.17	0.01	0.38	10.23	1.21
01	03	150.0	12.15	0.01	0.42	10.63	1.14
01	02	200.0	13.13	0.01	0.51	10.63	1.14
01	01	284.0	13.35	0.02	0.45	10.72	1.24

STATION NO.: 062  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	1.4	2.14	0.02	0.43	7.57	0.94
01	10	4.6	2.14	0.02	0.53	7.59	0.90
01	09	7.2	2.23	0.02	0.43	7.84	0.90
01	08	11.5	3.74	0.01	0.43	9.60	0.94
01	07	23.0	4.05	0.01	0.42	10.20	0.94
01	06	35.7	4.27	0.01	0.48	10.64	0.95
01	05	45.0	4.36	0.01	0.41	10.97	0.95
01	04	50.0	4.27	0.01	0.36	10.96	0.96
01	03	75.0	6.28	0.01	0.44	11.31	0.93
01	02	100.0	9.38	0.02	0.43	10.96	0.90
01	01	155.0	12.45	0.02	0.43	10.59	0.86

STATION NO.: 063  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	0.0	4.32	0.01	0.44	10.93	1.07
01	11	5.0	4.30	0.01	0.41	10.92	1.11
01	10	8.0	4.30	0.02	0.45	10.94	1.11
01	09	14.5	4.38	0.01	0.41	11.04	1.08
01	08	25.0	4.36	0.01	0.41	11.11	1.12
01	07	39.0	4.37	0.01	0.39	11.05	1.11
01	06	46.0	4.40	0.02	0.50	11.01	1.08
01	05	50.0	4.38	0.01	0.40	11.04	1.08
01	04	75.0	6.20	0.01	0.40	11.61	1.04
01	03	100.0	6.24	0.01	0.42	11.61	1.05
01	02	150.0	12.56	0.02	0.55	10.03	0.96
01	01	199.0	13.04	0.03	0.52	10.08	1.02

STATION NO.: 064  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.6	4.06	0.09	0.46	10.90	1.03
01	11	4.5	4.10	0.03	0.52	11.08	1.03
01	10	7.7	3.65	0.03	0.43	11.14	0.98
01	09	13.8	3.98	0.12	0.44	11.18	1.02
01	08	24.1	4.04	0.07	0.55	11.18	1.02
01	07	37.9	4.20	0.05	0.56	11.23	1.02
01	06	45.2	4.40	0.00	0.67	11.25	1.04
01	05	74.4	4.66	0.01	0.46	11.45	1.03
01	04	99.2	6.33	0.00	0.39	12.03	1.00
01	03	150.0	11.21	0.01	0.50	11.18	0.93
01	02	200.0	12.99	0.01	0.51	10.33	0.93
01	01	400.0	13.27	0.01	0.55	10.51	0.95

STATION NO.: 065  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.6	4.39	0.01	0.55	11.16	1.13
01	11	4.0	4.33	0.01	0.57	11.27	1.09
01	10	7.3	4.33	0.02	0.44	11.25	1.08
01	09	12.0	4.27	0.02	0.56	11.11	1.08
01	08	21.2	4.28	0.02	0.47	11.10	1.07
01	07	31.7	4.18	0.02	0.50	10.88	1.08
01	06	36.5	4.15	0.02	0.54	10.70	1.07
01	05	75.2	4.27	0.01	0.49	11.01	1.05
01	04	99.5	5.19	0.01	0.47	11.69	1.05
01	03	150.1	10.13	0.01	0.55	11.71	0.97
01	02	200.5	12.07	0.02	0.49	10.69	0.95
01	01	254.4	12.51	0.03	0.50	10.39	0.94

STATION NO.: 066  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.8	3.96	0.01	0.98	10.30	1.18
01	11	2.8	3.94	0.02	0.87	10.34	1.11
01	10	5.2	3.71	0.06	0.80	10.36	1.08
01	09	10.2	3.97	0.01	0.84	10.34	1.08
01	08	20.2	3.98	0.01	0.52	10.37	1.08
01	07	34.3	3.99	0.02	0.57	10.43	1.09
01	06	39.0	3.98	0.03	0.63	10.36	1.07
01	05	50.0	3.95	0.03	0.49	10.42	1.06
01	04	75.0	4.32	0.01	0.49	10.67	1.06
01	03	100.0	5.62	0.02	0.69	11.35	1.05
01	02	150.0	8.98	0.03	0.43	11.68	1.00
01	01	187.0	11.65	0.03	0.51	10.65	0.96

STATION NO.: 067  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	10	1.6	3.19	0.02	0.42	9.34	1.04
01	09	3.5	3.28	0.05	0.48	9.45	1.05
01	08	7.7	3.31	0.04	0.41	9.42	1.04
01	07	13.2	3.43	0.03	0.48	9.56	1.05
01	06	22.7	3.52	0.02	0.43	9.75	1.04
01	05	32.0	3.56	0.03	0.44	9.64	1.06
01	04	36.0	3.60	0.04	0.44	9.74	1.06
01	03	50.0	3.68	0.05	0.43	9.88	1.10
01	02	75.0	4.05	0.01	0.59	10.23	1.11
01	01	82.0	4.08	0.02	0.51	10.28	1.08

STATION NO.: 068  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	06	10.0	3.56	0.03	0.36	9.51	1.09
01	05	15.0	3.55	0.03	0.36	9.53	1.08
01	04	25.0	3.70	0.03	0.53	9.69	1.17
01	03	35.0	3.69	0.03	0.39	9.70	1.12
01	02	50.0	3.73	0.03	0.36	9.70	1.13
01	01	70.0	3.69	0.03	0.39	9.56	1.10

STATION NO.: 069  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	02	5.0	3.66	0.04	0.47	9.77	1.01
01	01	10.0	3.63	0.05	0.52	9.78	0.99
01	12	20.0	3.64	0.04	0.48	9.82	0.99
01	10	40.0	3.64	0.04	0.57	9.95	0.99
01	08	52.0	3.61	0.04	0.51	9.90	1.01

STATION NO.: 070  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	06	1.5	3.88	0.03	0.51	10.24	1.01
01	05	4.4	3.88	0.03	0.54	10.29	1.02
01	04	6.4	3.85	0.03	0.48	10.25	1.01
01	03	12.4	3.86	0.03	0.60	10.21	1.03
01	02	24.0	3.84	0.03	0.45	10.14	1.01
01	01	35.3	3.82	0.03	0.48	10.08	1.03

STATION NO.: 071  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	10	1.6	3.87	0.02	0.40	10.20	1.08
01	09	4.4	3.86	0.02	0.46	10.17	1.06
01	08	7.8	3.86	0.02	0.45	10.19	1.07
01	07	13.6	3.86	0.02	0.44	10.11	1.06
01	06	24.2	3.86	0.01	0.39	10.07	1.07
01	05	46.8	3.93	0.02	0.42	10.39	1.07
01	04	53.7	3.95	0.02	0.44	10.40	1.08
01	03	75.3	4.42	0.01	0.41	10.89	1.07
01	02	100.3	5.37	0.02	0.45	11.35	1.07
01	01	111.4	5.81	0.02	0.42	11.59	1.07

STATION NO.: 072  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	1.8	3.93	0.01	0.58	10.13	1.08
01	10	5.6	3.88	0.01	0.36	10.16	1.05
01	09	9.5	3.87	0.02	0.45	10.15	1.05
01	08	15.2	3.87	0.01	0.45	10.14	1.05
01	07	25.7	3.88	0.02	0.41	10.19	1.05
01	06	51.6	3.94	0.01	0.38	10.30	1.05
01	05	58.5	4.07	0.01	0.42	10.41	1.04
01	04	74.8	4.21	0.02	0.37	10.71	1.02
01	03	99.7	5.39	0.02	0.39	10.47	1.03
01	02	149.8	8.37	0.01	0.50	12.30	1.01
01	01	184.2	11.34	0.02	0.43	10.82	0.94

STATION NO.: 073  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	0.0	4.09	0.01	0.48	10.29	1.15
01	11	5.0	4.06	0.01	0.47	10.39	1.10
01	10	7.7	4.06	0.01	0.54	10.50	1.10
01	09	13.4	4.03	0.01	0.45	10.54	1.09
01	08	23.5	4.04	0.01	0.53	10.55	1.12
01	07	38.0	4.06	0.01	0.46	10.44	1.10
01	06	47.0	4.09	0.01	0.44	10.42	1.11
01	05	75.0	4.56	0.01	0.41	10.82	1.08
01	04	100.0	5.81	0.01	0.40	11.58	1.09
01	03	150.0	10.33	0.01	0.45	11.57	1.02
01	02	200.0	12.41	0.02	0.42	10.18	1.00
01	01	300.0	13.02	0.02	0.62	9.81	1.06

STATION NO.: 074  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.5	4.34	0.01	0.41	10.85	1.14
01	11	4.0	4.31	0.01	0.53	10.90	1.16
01	10	7.5	4.26	0.01	0.39	10.87	1.09
01	09	12.7	4.28	0.01	0.45	11.04	1.10
01	08	20.7	4.37	0.01	0.53	10.95	1.13
01	07	36.6	4.23	0.01	0.44	10.78	1.12
01	06	45.0	4.20	0.01	0.46	10.75	1.09
01	05	50.0	4.20	0.01	0.44	10.74	1.09
01	04	100.0	5.35	0.01	0.47	11.46	1.09
01	03	150.0	12.26	0.02	0.48	10.59	1.00
01	02	200.0	13.13	0.02	0.54	10.15	1.01
01	01	245.0	13.25	0.02	0.59	9.62	1.02

STATION NO.: 075  
ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	0.0	4.55	0.00	0.41	11.11	1.08
01	11	5.5	4.51	0.00	0.37	11.09	1.06
01	10	8.5	4.54	0.00	0.37	11.08	1.06
01	09	15.0	4.54	0.00	0.39	10.92	1.09
01	08	24.0	4.54	0.00	0.40	10.99	1.09
01	07	34.0	4.57	0.00	0.65	11.03	1.13
01	06	38.5	4.52	0.01	0.80	11.07	1.19
01	05	50.0	4.28	0.01	0.43	10.68	1.08
01	04	100.0	6.57	0.01	0.43	11.40	1.05
01	03	150.0	12.48	0.02	0.51	10.00	0.97
01	02	200.0	12.95	0.02	0.50	9.81	0.97
01	01	276.0	13.16	0.02	0.51	9.57	0.99

STATION NO.: 076  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	0.0	2.96	0.01	0.58	8.12	1.01
01	11	7.7	2.90	0.01	0.36	8.15	0.95
01	10	10.5	2.77	0.03	0.36	8.10	0.94
01	09	12.0	2.81	0.02	0.42	8.43	0.95
01	08	16.0	3.39	0.02	0.53	9.08	0.97
01	07	24.5	3.79	0.02	0.37	9.67	1.00
01	06	32.7	3.84	0.04	0.38	9.83	1.02
01	05	39.6	3.87	0.03	0.36	9.95	1.01
01	04	50.0	4.17	0.01	0.39	10.37	1.04
01	03	75.0	5.42	0.02	0.39	10.71	1.04
01	02	100.0	9.30	0.03	0.39	10.44	1.00
01	01	114.0	10.47	0.03	0.41	10.36	1.00

STATION NO.: 077  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.9	4.46	0.00	0.55	11.07	1.09
01	11	4.2	4.44	0.00	0.53	11.16	1.04
01	10	8.0	4.41	0.02	0.53	11.20	1.06
01	09	14.7	4.48	0.00	0.54	11.26	1.05
01	08	25.0	4.48	0.00	0.56	11.23	1.06
01	07	41.0	4.47	0.00	0.56	11.23	1.06
01	06	55.0	4.56	0.00	0.56	11.22	1.06
01	05	100.0	6.93	0.01	0.54	11.76	1.03
01	04	200.0	12.95	0.02	0.54	10.36	0.95
01	03	300.0	13.27	0.02	0.55	10.60	0.97
01	02	350.0	13.26	0.02	0.55	10.52	0.96
01	01	401.0	13.24	0.04	0.51	10.87	1.00
01	01	401.0	13.24	0.04	0.51	10.87	1.00

STATION NO.: 080  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	1.7	4.04	0.02	0.47	10.26	1.02
01	10	4.0	3.96	0.05	0.47	10.26	0.99
01	09	8.9	4.15	0.01	0.50	10.46	1.00
01	08	14.7	4.26	0.01	0.50	10.56	1.00
01	06	37.5	4.24	0.03	0.50	10.56	0.99
01	05	48.4	4.24	0.04	0.57	10.56	1.01
01	04	75.0	4.89	0.01	0.50	11.16	0.98
01	03	100.0	6.30	0.01	0.50	12.07	0.97
01	02	150.0	9.01	0.03	0.49	11.87	0.95
01	01	200.0	12.32	0.03	0.54	10.46	0.91

STATION NO.: 081  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	08	0.0	3.17	0.02	0.50	11.86	1.05
01	07	3.2	3.15	0.02	0.50	11.87	1.05
01	06	8.7	3.14	0.02	0.53	11.85	1.06
01	05	10.4	3.15	0.02	0.55	11.86	1.07
01	04	20.5	3.22	0.02	0.57	11.92	1.09
01	03	35.2	3.93	0.05	0.52	12.64	1.10
01	02	51.0	4.64	0.04	0.52	13.13	1.12
01	01	73.4	8.06	0.01	0.48	15.68	1.13

STATION NO.: 082  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	10	1.8	3.00	0.02	0.57	11.57	1.07
01	09	4.3	3.10	0.04	0.48	11.90	1.03
01	08	7.4	3.15	0.04	0.50	11.81	1.03
01	07	13.1	3.25	0.02	0.48	12.09	1.04
01	06	22.6	3.58	0.02	0.49	12.36	1.03
01	04	28.6	3.72	0.03	0.55	12.42	1.03
01	02	36.3	3.88	0.03	0.55	12.77	1.06
01	01	43.0	4.06	0.05	0.53	13.03	1.07

STATION NO.: 083  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	08	1.7	2.97	0.02	0.51	11.48	1.07
01	07	6.4	3.10	0.02	0.49	11.74	1.07
01	06	11.8	3.20	0.02	0.47	11.87	1.06
01	05	15.5	3.36	0.02	0.48	12.10	1.07
01	04	24.0	4.07	0.03	0.50	12.57	1.08
01	03	34.0	4.30	0.03	0.55	12.76	1.12
01	02	39.0	4.33	0.03	0.51	12.85	1.10
01	01	47.0	4.32	0.03	0.52	12.77	1.09



STATION NO.: 084  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	08	1.7	3.75	0.04	0.44	12.14	1.04
01	07	9.6	3.69	0.03	0.47	12.19	1.01
01	06	13.5	3.69	0.04	0.42	12.05	1.01
01	05	18.3	3.80	0.04	0.43	11.95	1.02
01	04	26.5	3.77	0.05	0.44	11.94	1.01
01	03	32.4	3.82	0.04	0.42	11.92	1.01
01	02	34.4	3.87	0.04	0.45	11.89	1.01
01	01	41.0	3.69	0.03	0.44	11.77	1.01

STATION NO.: 085  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	0.0	3.79	0.03	0.48	11.87	1.03
01	11	5.0	3.80	0.02	0.47	11.75	1.03
01	10	25.0	3.72	0.02	0.47	11.36	1.01
01	08	46.0	3.60	0.03	0.51	10.14	1.01
01	06	58.0	3.61	0.02	0.47	10.14	1.00
01	04	75.0	4.95	0.02	0.43	10.44	1.03
01	03	100.0	10.15	0.02	0.46	10.47	0.91
01	02	200.0	13.21	0.00	0.46	9.81	0.96
01	01	257.0	13.39	0.03	0.45	9.79	0.95

STATION NO.: 086  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	06	1.9	3.46	0.02	0.66	12.31	1.06
02	05	3.5	3.39	0.02	0.52	12.23	1.04
02	04	6.9	3.39	0.02	0.52	12.18	1.06
02	03	12.6	3.38	0.02	0.55	12.28	1.07
02	02	20.0	3.38	0.02	0.50	12.15	1.09
02	01	32.6	3.40	0.02	0.50	12.34	1.07

STATION NO.: 087  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	07	1.9	2.98	0.02	0.51	11.75	1.04
01	06	4.0	2.98	0.02	0.47	11.78	1.01
01	05	6.5	2.97	0.02	0.48	11.81	0.99
01	04	11.0	2.98	0.02	0.56	11.85	1.01
01	03	16.5	2.98	0.02	0.48	11.86	0.99
01	02	20.0	2.99	0.02	0.48	11.92	1.01
01	01	43.5	3.24	0.02	0.46	12.07	1.03

STATION NO.: 088  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	10	1.5	0.40	0.00	0.49	8.88	0.89
01	09	2.5	0.43	0.00	0.42	8.78	0.84
01	08	4.5	0.41	0.01	0.42	8.81	0.87
01	07	5.6	0.34	0.01	0.42	8.90	0.88
01	06	12.4	0.65	0.01	0.44	9.12	0.93
01	05	17.0	1.22	0.01	0.41	9.88	0.93
01	04	22.0	2.14	0.02	0.44	10.51	1.02
01	03	35.0	2.37	0.03	0.45	10.90	1.01
01	02	50.0	4.36	0.04	0.50	11.58	1.10
01	01	57.0	4.43	0.04	0.44	11.55	1.06

STATION NO.: 089  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.6	1.95	0.03	0.41	10.76	0.93
01	10	10.8	0.66	0.03	0.41	9.25	0.83
01	08	12.3	0.98	0.03	0.39	9.53	0.85
01	07	18.5	2.52	0.03	0.40	10.79	0.95
01	06	20.0	2.62	0.04	0.40	10.92	0.97
01	05	30.5	2.48	0.04	0.42	10.40	0.96
01	04	43.0	3.21	0.04	0.41	10.16	0.98
01	02	75.0	7.21	0.04	0.41	12.22	1.03
01	01	97.5	7.51	0.04	0.40	12.35	1.03

STATION NO.: 090  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.7	1.60	0.01	0.47	9.72	0.95
01	11	2.8	1.61	0.01	0.44	9.76	0.95
01	10	5.0	1.43	0.04	0.37	9.57	0.99
01	09	9.0	1.41	0.01	0.38	9.19	0.98
01	08	15.0	1.16	0.01	0.38	8.37	0.95
01	07	20.0	0.59	0.01	0.37	7.10	0.92
01	06	24.5	1.07	0.02	0.38	7.31	0.92
01	05	50.0	4.56	0.05	0.37	11.00	1.08
01	04	75.0	6.91	0.03	0.39	11.91	1.08
01	03	100.0	8.42	0.01	0.36	12.24	1.09
01	02	150.0	9.45	0.03	0.37	12.18	1.06
01	01	211.0	9.90	0.02	0.37	12.14	1.07

STATION NO.: 091  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.7	0.15	0.00	0.38	6.17	0.78
01	11	4.5	0.12	0.00	0.38	6.03	0.75
01	10	7.5	0.15	0.00	0.37	6.06	0.75
01	09	12.6	0.11	0.00	0.38	5.99	0.72
01	08	20.0	0.18	0.00	0.43	6.05	0.76
01	07	50.0	0.33	0.00	0.42	6.29	0.77
01	05	100.0	6.97	0.02	0.42	11.74	1.02
01	04	147.0	8.54	0.01	0.44	12.31	0.99
01	03	200.0	9.47	0.02	0.47	12.38	1.00
01	02	270.0	10.04	0.01	0.44	12.30	1.01
01	06	750.0	3.98	0.03	0.39	10.67	1.01

STATION NO.: 092  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	1.6	3.62	0.01	0.42	10.69	1.01
01	10	4.4	3.56	0.00	0.43	10.54	1.00
01	09	7.5	3.64	0.01	0.37	10.54	1.01
01	08	12.7	3.61	0.02	0.39	10.49	1.01
01	07	21.0	3.66	0.01	0.47	10.56	1.02
01	06	36.0	3.69	0.00	0.40	10.66	0.99
01	05	47.0	4.16	0.01	0.50	11.10	1.04
01	04	51.0	4.26	0.01	0.45	11.26	1.05
01	03	75.0	4.62	0.04	0.34	11.44	1.03
01	02	100.0	7.50	0.00	0.42	11.80	1.02
01	01	130.0	9.21	0.02	0.40	12.83	1.02

STATION NO.: 093

ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	12	1.5	3.45	0.01	0.45	10.18	1.00
01	12	1.7	3.69	0.01	0.44	10.50	1.06
02	10	3.6	3.49	0.01	0.46	10.07	0.97
01	11	4.5	3.57	0.01	0.42	10.09	1.01
02	08	6.6	3.66	0.01	0.44	10.14	0.98
01	09	9.7	3.58	0.01	0.45	10.09	0.99
02	06	11.5	3.68	0.01	0.42	10.13	0.98
01	08	19.0	3.89	0.01	0.46	10.36	1.02
02	04	20.4	3.68	0.01	0.44	10.11	0.97
01	07	25.0	4.19	0.00	0.45	10.64	1.06
02	02	35.8	4.18	0.00	0.42	10.42	1.00
01	05	41.0	4.21	0.01	0.49	10.59	1.05
01	04	75.0	4.29	0.00	0.45	10.68	1.03
01	03	100.0	5.23	0.00	0.52	11.25	1.05
01	02	149.5	12.23	0.01	0.49	10.53	0.97
01	01	227.0	13.16	0.01	0.45	10.98	0.97

STATION NO.: 094

ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	10.0	4.10	0.01	0.45	10.35	1.01
02	11	15.0	4.06	0.03	0.43	10.22	0.98
01	11	25.0	4.19	0.01	0.46	10.43	1.01
02	10	26.0	4.14	0.03	0.45	10.25	1.00
01	10	50.0	4.20	0.01	0.51	10.49	0.99
02	09	50.0	3.74	0.02	0.41	10.43	0.98
01	09	70.0	4.26	0.01	0.47	10.57	0.98
02	08	75.0	4.33	0.01	0.43	10.66	1.00
01	08	80.0	4.36	0.01	0.46	10.78	0.98
01	07	90.0	4.62	0.01	0.43	11.01	0.97
02	07	100.0	5.62	0.01	0.42	11.50	0.97
01	06	101.0	5.33	0.01	0.49	11.50	0.96
01	05	109.0	6.08	0.01	0.49	11.77	0.96
02	06	125.0	7.85	0.05	0.46	11.95	0.97
01	04	126.0	9.45	0.01	0.44	11.74	0.93
01	03	150.0	11.82	0.01	0.54	10.88	0.95
02	05	150.0	11.57	0.03	0.46	10.58	0.84
02	04	175.0	12.19	0.05	0.45	10.52	0.82
01	02	200.0	12.90	0.01	0.59	10.88	0.96
02	03	200.0	12.67	0.04	0.47	10.55	0.89
02	02	228.0	12.96	0.02	0.45	11.08	0.91
01	01	240.0	13.15	0.02	0.58	11.34	0.93
02	01	273.0	12.71	0.05	0.44	10.25	0.85

STATION NO.: 095  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	0.0	4.03	0.01	0.40	10.91	1.03
01	11	5.0	3.98	0.01	0.38	10.59	1.01
01	10	8.0	4.07	0.01	0.35	10.79	1.00
01	09	15.0	4.23	0.01	0.42	10.96	1.01
01	08	26.0	4.26	0.01	0.36	10.95	1.02
01	07	40.0	4.23	0.01	0.36	10.86	1.01
01	06	50.0	4.10	0.01	0.35	10.56	1.00
01	05	75.0	4.13	0.01	0.34	10.59	0.99
01	04	100.0	5.52	0.01	0.40	11.42	0.98
01	03	200.0	12.57	0.01	0.39	10.04	0.88
01	02	275.0	12.78	0.01	0.42	10.09	0.89
01	01	320.0	12.74	0.01	0.41	10.18	0.89

STATION NO.: 098  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	3.47	0.06	0.35	10.61	1.03
01	10	4.0	3.49	0.06	0.45	10.42	1.02
01	09	6.5	3.38	0.05	0.41	10.21	0.99
01	08	10.5	3.46	0.06	0.36	10.38	1.00
01	07	18.0	3.43	0.05	0.36	10.22	0.99
01	06	25.0	3.57	0.05	0.42	10.20	1.00
01	05	30.0	3.68	0.05	0.34	10.11	1.00
01	04	50.0	3.64	0.07	0.37	9.88	1.00
01	03	75.0	3.62	0.04	0.38	10.21	1.00
01	02	100.0	3.97	0.01	0.41	10.42	1.00
01	01	158.0	8.82	0.08	0.40	12.89	0.96

STATION NO.: 099  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.6	3.57	0.05	0.34	11.07	0.95
01	11	3.7	3.53	0.04	0.33	11.07	0.97
01	10	7.6	3.63	0.05	0.33	10.98	0.98
01	09	12.9	3.66	0.06	0.35	10.81	1.01
01	08	22.7	3.71	0.03	0.36	10.76	1.01
01	07	39.0	3.70	0.02	0.35	10.74	1.01
01	06	52.2	3.71	0.02	0.35	10.52	0.99
01	05	74.3	3.90	0.01	0.32	10.45	0.97
01	04	99.8	4.30	0.04	0.34	10.52	1.00
01	03	150.0	8.87	0.01	0.35	12.30	1.00
01	02	200.0	12.50	0.04	0.34	13.85	0.96
01	01	250.0	12.75	0.02	0.37	13.28	0.99

STATION NO.: 100  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.6	4.00	0.04	0.36	12.18	1.04
01	11	6.5	3.94	0.04	0.38	12.14	1.02
01	10	10.6	4.03	0.04	0.38	11.96	1.03
01	09	12.5	3.59	0.05	0.31	11.82	0.94
01	08	27.5	3.95	0.03	0.40	11.80	0.99
01	07	38.0	4.10	0.06	0.37	11.58	1.03
01	06	48.0	4.32	0.07	0.39	11.29	1.07
01	05	100.0	6.83	0.02	0.38	8.22	0.73
01	04	150.0	8.99	0.03	0.33	6.34	0.73
01	03	200.0	11.58	0.01	0.42	9.44	0.90
01	02	300.0	12.73	0.01	0.57	11.09	0.93
01	01	409.4	12.92	0.02	0.35	13.29	0.96

STATION NO.: 101  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.8	3.71	0.03	0.54	9.87	1.04
01	11	1.8	3.71	0.03	0.43	9.81	1.04
01	10	4.8	3.70	0.03	0.42	9.75	1.02
01	09	7.7	3.84	0.03	0.44	9.75	1.02
01	08	13.3	3.92	0.03	0.44	9.80	1.03
01	07	23.8	4.54	0.03	0.35	9.87	1.03
01	06	36.8	4.92	0.02	0.36	9.82	1.05
01	01	47.8	5.40	0.02	0.42	8.67	0.91
01	05	75.0	6.85	0.01	0.46	6.50	0.83
01	04	99.8	6.99	0.00	0.35	6.48	0.72
01	03	150.0	9.50	0.00	0.33	6.47	0.82
01	02	180.7	10.34	0.01	0.34	7.19	0.82

STATION NO.: 102  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.7	3.71	0.05	0.44	11.06	1.01
01	11	3.2	3.67	0.04	0.43	11.19	1.01
01	10	5.6	3.66	0.04	0.38	11.16	0.99
01	09	11.0	3.65	0.05	0.54	11.01	1.01
01	08	21.0	3.74	0.05	0.38	10.49	1.03
01	07	31.6	3.87	0.05	0.39	10.56	1.04
01	06	35.7	3.90	0.04	0.34	10.52	1.04
01	05	50.0	4.65	0.04	0.35	10.96	1.04
01	04	75.0	6.85	0.02	0.34	10.11	0.85
01	03	100.0	7.00	0.01	0.33	7.95	0.73
01	02	150.0	8.92	0.02	0.50	7.00	0.79
01	01	218.0	11.01	0.01	0.45	8.76	0.89

STATION NO.: 103  
 ARK IX/2 16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.7	3.58	0.04	0.47	11.64	0.98
01	11	3.3	3.45	0.05	0.49	11.66	0.98
01	10	6.2	3.57	0.05	0.55	11.69	0.98
01	09	10.5	3.54	0.06	0.47	11.71	0.93
01	08	20.2	3.99	0.02	0.46	11.56	0.94
01	07	28.4	4.90	0.05	0.45	11.51	0.94
01	06	32.3	5.55	0.06	0.45	11.30	0.90
01	05	50.0	5.16	0.04	1.33	4.32	0.60
01	04	100.0	7.52	0.03	0.55	4.75	0.65
01	03	150.0	9.67	0.03	0.53	8.22	0.80
01	02	200.0	10.62	0.07	0.47	7.10	0.81
01	01	304.0	11.63	0.03	0.44	7.93	0.87

STATION NO.: 104  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.7	5.20	0.03	0.57	11.09	0.90
01	11	15.0	5.90	0.03	0.54	10.22	0.84
01	10	30.0	7.09	0.03	0.87	7.01	0.77
01	09	55.0	8.27	0.03	0.56	6.07	0.73
01	08	75.0	8.78	0.02	0.45	6.48	0.75
01	07	120.0	10.57	0.01	0.43	8.52	0.84
01	06	200.0	11.43	0.04	0.49	7.88	0.88
01	05	294.0	11.37	0.06	0.49	6.18	0.84
01	04	498.0	11.64	0.05	0.49	6.18	0.85
01	03	600.0	12.12	0.01	0.47	7.96	0.91
01	02	750.0	11.96	0.01	0.47	7.59	0.91
01	01	900.0	12.01	0.01	0.48	7.67	0.90

STATION NO.: 105  
ARK IX/2

16.5. - 24.6.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.6	1.07	0.04	1.30	2.71	0.34
01	11	15.0	3.05	0.05	2.09	2.86	0.44
01	10	35.0	6.13	0.05	2.78	3.82	0.64
01	09	50.0	7.02	0.05	2.49	4.16	0.68
01	08	75.0	9.65	0.07	1.56	5.52	0.78
01	07	100.0	5.83	0.10	2.04	4.25	0.57
01	06	123.6	7.12	0.12	1.65	4.62	0.61
01	05	299.0	10.75	0.10	0.93	5.25	0.79
01	04	500.0	12.40	0.07	0.52	5.94	0.86
01	03	700.0	12.67	0.02	0.59	6.73	0.95
01	02	1000.0	13.15	0.01	0.58	7.17	0.95
01	01	1985.0	14.20	0.01	0.56	10.80	1.03



STATION NO.: 109  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	11	1.7	0.24	0.01	0.28	3.22	0.06
02	9	3.5	0.00	0.02	0.28	3.20	0.04
02	7	8.0	0.00	0.02	0.24	3.06	0.02
02	5	14.5	0.00	0.01	0.23	2.79	0.02
01	11	20.0	0.27	0.02	0.23	3.20	0.13
02	3	26.5	0.00	0.01	0.23	3.26	0.10
01	7	30.0	3.97	0.07	2.04	3.60	0.47
02	1	33.5	1.89	0.06	0.68	3.48	0.35
01	5	50.0	7.40	0.09	2.20	4.41	0.61
01	4	100.0	5.94	0.08	2.19	3.53	0.55
01	3	150.0	9.76	0.07	1.60	3.91	0.71
01	1	1728.0	14.96	0.02	0.23	11.02	1.00

STATION NO.: 110  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	11	1.6	5.00	0.04	0.71	9.41	0.69
02	9	3.6	5.09	0.04	0.70	9.50	0.69
02	7	6.3	4.95	0.05	0.70	9.52	0.68
02	5	11.2	4.98	0.05	0.70	9.56	0.68
02	3	19.5	6.50	0.05	0.76	9.94	0.82
01	9	23.0	7.12	0.06	0.59	8.27	-
02	1	26.2	6.71	0.05	0.62	8.71	0.72
01	7	50.0	8.01	0.06	0.71	7.13	0.66
01	5	73.0	8.91	0.05	0.70	6.00	0.66
01	4	100.0	9.27	0.05	0.86	6.17	0.67
01	3	150.0	10.84	0.10	0.78	6.21	0.73
01	1	1027.0	14.04	0.05	0.50	9.08	0.90

STATION NO.: 111  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.5	5.06	0.03	0.63	9.59	0.70
01	11	3.5	4.97	0.03	0.58	9.63	0.69
01	10	7.0	5.71	0.04	0.57	9.74	0.72
01	9	11.5	6.58	0.05	0.53	9.47	0.74
01	8	18.5	6.79	0.05	0.67	8.83	0.73
01	7	29.0	6.99	0.05	0.67	8.19	0.70
01	6	33.5	7.01	0.05	0.74	7.98	0.69
01	5	50.0	7.63	0.04	0.85	7.15	0.68
01	4	100.0	10.49	0.03	0.51	6.36	0.74
01	3	150.0	10.05	0.05	0.98	6.76	0.75
01	2	200.0	11.77	0.13	0.64	5.98	0.79
01	1	500.0	13.28	0.02	0.51	7.24	0.89

STATION NO.: 112

ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	3.0	5.52	0.04	0.91	9.49	0.77
01	11	6.5	5.49	0.04	0.82	9.39	0.74
01	10	10.0	5.57	0.04	0.83	9.33	0.75
01	9	17.0	5.76	0.04	0.90	9.10	0.74
01	8	22.0	6.16	0.05	0.93	7.83	0.69
01	7	42.0	6.70	0.06	0.98	6.66	0.65
01	6	47.0	6.97	0.06	0.94	6.63	0.65
01	5	51.0	7.57	0.06	0.99	6.00	0.67
01	4	100.0	10.47	0.05	0.49	6.18	0.74
01	3	150.0	11.82	0.02	0.46	7.64	0.81
01	2	199.0	12.54	0.02	0.50	8.30	0.84
01	1	343.0	13.27	0.03	0.53	7.62	0.88

STATION NO.: 113

ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.2	4.93	0.10	0.63	10.57	0.74
01	11	6.3	5.12	0.04	0.60	10.58	0.81
01	10	9.5	5.13	0.04	0.68	10.61	0.81
01	9	13.0	5.15	0.04	0.61	10.56	0.79
01	8	23.0	5.60	0.05	0.54	9.26	0.71
01	7	40.0	5.91	0.06	0.63	7.19	0.64
01	6	48.0	6.70	0.06	0.72	6.75	0.66
01	5	50.0	7.07	0.06	0.63	6.49	0.65
01	4	100.0	9.68	0.10	0.51	5.97	0.68
01	3	150.0	11.91	0.03	0.49	8.14	0.80
01	2	200.0	12.52	0.03	0.54	8.36	0.79
01	1	357.0	12.95	0.08	0.53	8.23	0.81

STATION NO.: 114

ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.7	4.99	0.04	0.65	11.16	0.85
01	11	3.7	5.03	0.04	0.61	11.17	0.85
01	10	6.0	5.02	0.03	0.59	11.10	0.85
01	9	11.5	5.04	0.04	0.57	11.03	0.83
01	8	20.0	5.29	0.04	0.73	10.69	0.82
01	7	30.0	5.87	0.05	0.74	9.32	0.74
01	6	35.0	6.01	0.04	0.88	8.93	0.73
01	5	50.0	6.47	0.06	1.03	6.73	0.65
01	4	100.0	9.53	0.08	0.73	5.80	0.71
01	3	150.0	11.87	0.03	0.42	7.59	0.79
01	2	200.0	12.48	0.02	0.42	8.23	0.83
01	1	400.0	13.58	0.03	0.42	8.90	0.87

STATION NO.: 115  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	12	1.5	4.85	0.04	0.58	11.76	0.92
02	9	5.0	4.83	0.04	0.57	11.82	0.91
02	7	8.0	4.94	0.05	0.61	11.85	0.91
02	5	14.0	5.02	0.04	0.62	11.90	0.91
01	9	20.0	5.23	0.02	0.65	11.72	0.92
02	3	23.0	5.18	0.04	0.65	11.84	0.91
01	8	30.0	5.40	0.02	0.68	11.41	0.88
02	1	35.0	5.51	0.05	0.72	11.19	0.88
01	5	50.0	5.90	0.05	0.95	7.64	0.65
01	4	100.0	9.82	0.08	0.70	5.99	0.71
01	3	150.0	11.57	0.05	0.44	7.31	0.79
01	1	467.0	13.39	0.03	0.44	8.16	0.88

STATION NO.: 116  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.5	3.95	0.05	0.50	11.43	0.96
01	11	3.7	3.99	0.05	0.54	11.44	0.94
01	10	6.0	3.98	0.06	0.63	11.45	0.96
01	9	11.0	3.97	0.05	0.55	11.53	0.93
01	8	19.0	4.46	0.05	0.64	11.58	0.93
01	6	31.0	5.74	0.06	0.66	10.95	0.85
01	5	50.0	6.41	0.06	1.02	6.91	0.65
01	4	100.0	8.54	0.06	1.16	5.23	0.67
01	3	150.0	11.39	0.05	0.58	7.29	0.79
01	2	200.0	12.37	0.03	0.54	8.36	0.84
01	1	480.0	13.34	0.03	0.54	8.21	0.89

STATION NO.: 117  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	3.98	0.05	0.60	12.03	0.99
01	11	6.6	3.98	0.06	0.57	12.12	0.99
01	10	10.0	4.07	0.06	0.58	12.18	0.99
01	8	20.0	4.81	0.06	0.61	12.11	0.99
01	7	25.0	4.95	0.06	0.54	12.23	0.99
01	5	50.0	6.59	0.05	0.54	9.52	0.79
01	4	100.0	9.61	0.04	0.54	9.02	0.82
01	3	150.0	10.59	0.03	0.55	7.18	0.79
01	2	200.0	11.34	0.03	0.55	7.36	0.81
01	1	434.0	13.32	0.03	0.57	7.98	0.91

STATION NO.: 118  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.8	3.92	0.06	0.49	11.83	0.95
01	11	3.5	3.91	0.05	0.45	11.91	0.95
01	10	7.0	3.92	0.04	0.38	11.91	0.94
01	9	11.0	3.90	0.04	0.48	11.92	0.96
01	8	22.0	4.27	0.03	0.45	12.08	0.98
01	7	40.0	5.47	0.05	0.45	11.79	0.93
01	6	50.0	6.00	0.06	0.46	10.46	0.86
01	5	75.0	7.43	0.03	0.41	9.50	0.78
01	4	101.0	9.09	0.03	0.40	9.32	0.82
01	3	150.0	10.84	0.01	0.44	7.79	0.82
01	2	200.0	11.78	0.02	0.43	8.94	0.85
01	1	333.0	13.50	0.03	0.41	8.99	0.91

STATION NO.: 119  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	9	6.0	3.74	0.05	0.41	12.09	0.98
02	5	16.0	3.76	0.05	0.41	12.15	0.98
01	9	26.0	3.87	0.10	0.40	12.05	0.99
02	3	27.0	3.89	0.03	0.42	12.18	0.99
02	4	27.0	3.86	0.04	0.42	12.21	0.99
02	1	40.0	4.18	0.05	0.41	11.76	1.00
01	5	50.0	4.69	0.09	0.38	11.34	0.99
01	4	100.0	8.74	0.04	0.41	10.76	0.86
01	3	150.0	10.16	0.03	0.44	7.72	0.79
03	3	200.0	11.69	0.02	0.41	8.25	0.83
03	2	300.0	13.21	0.01	0.43	8.20	0.88
01	1	356.0	13.21	0.03	0.42	7.33	0.88

STATION NO.: 120  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	5.0	3.97	0.05	0.42	11.97	0.99
01	9	13.0	3.98	0.06	0.41	11.98	0.99
01	8	22.0	4.08	0.04	0.39	11.18	1.01
01	6	36.0	4.04	0.02	0.39	10.44	1.00
01	5	50.0	4.05	0.01	0.39	10.04	1.00
01	4	100.0	5.96	0.03	0.41	11.00	0.97
01	3	150.0	10.15	0.01	0.44	10.72	0.88
01	2	200.0	11.93	0.01	0.45	9.78	0.86
01	1	428.0	14.07	0.02	0.45	10.49	0.92

STATION NO.: 121  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	11	1.7	3.33	0.05	0.44	11.03	0.92
02	9	6.3	3.34	0.06	0.37	10.98	0.92
02	7	9.0	3.38	0.06	0.38	10.93	0.93
02	5	15.0	3.39	0.06	0.39	10.95	0.92
01	9	20.0	3.45	0.05	0.43	10.95	0.94
02	3	25.0	3.67	0.05	0.40	10.98	0.96
01	7	36.0	4.01	0.03	0.44	10.29	0.98
02	1	39.0	3.97	0.04	0.40	10.39	0.98
01	5	50.0	4.12	0.03	0.46	10.34	0.99
01	4	100.0	5.65	0.03	0.43	11.11	0.97
01	3	150.0	9.59	0.02	0.44	11.06	0.87
01	1	477.0	14.03	0.02	0.47	10.53	0.91

STATION NO.: 123  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.6	3.22	0.07	0.36	10.16	0.93
01	11	5.5	3.20	0.06	0.35	10.07	0.93
01	10	8.0	3.19	0.07	0.38	9.91	0.93
01	9	13.0	3.23	0.06	0.36	9.82	0.93
01	8	21.0	3.59	0.06	0.36	9.91	0.96
01	7	32.0	4.06	0.03	0.35	9.98	1.00
01	6	39.0	4.07	0.04	0.36	9.84	0.99
01	5	100.0	6.75	0.03	0.37	11.17	0.94
01	4	200.0	12.53	0.03	0.41	10.06	0.86
01	3	300.0	13.07	0.02	0.41	8.01	0.85
01	2	400.0	13.86	0.02	0.42	9.83	0.90
01	1	491.0	14.11	0.03	0.44	10.81	0.92

STATION NO.: 124  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	8	20.0	3.43	0.06	0.45	10.03	0.97
01	7	32.0	3.78	0.06	0.51	10.33	1.03
01	6	35.0	4.03	0.05	0.42	10.47	1.00
01	5	50.0	4.08	0.03	0.57	10.20	1.02
01	3	150.0	9.39	0.02	0.55	11.21	0.91
01	2	200.0	12.28	0.02	0.44	10.46	0.87
01	1	470.0	14.04	0.02	0.45	10.51	0.92

STATION NO.: 125

ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	9	16.0	3.13	0.06	0.16	10.81	0.93
01	8	26.0	3.23	0.09	0.14	10.66	0.95
01	7	40.0	3.64	0.07	0.21	10.28	0.99
01	6	45.0	3.80	0.05	0.25	10.31	0.99
01	5	50.0	3.90	0.06	0.19	10.20	0.99
01	4	100.0	5.95	0.07	0.27	11.26	0.95
01	3	150.0	10.05	0.04	0.29	11.03	0.86
01	2	200.0	12.03	0.03	0.32	8.99	0.84
01	1	364.0	12.84	0.07	0.27	8.36	0.88

STATION NO.: 126

ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	2.91	0.08	0.35	10.02	0.91
01	10	9.0	2.91	0.11	0.31	10.05	0.92
01	9	15.0	2.95	0.07	0.40	10.02	0.93
01	8	25.0	3.37	0.08	0.29	10.31	0.96
01	7	38.0	3.88	0.05	0.30	10.36	0.98
01	6	47.0	3.57	0.15	0.28	10.25	0.97
01	5	50.0	3.81	0.05	0.25	10.13	0.98
01	4	76.0	3.90	0.03	0.26	10.31	1.00
01	3	100.0	4.18	0.03	0.24	10.36	0.99
01	2	150.0	10.81	0.12	0.24	11.31	0.88
01	1	207.0	12.33	0.04	0.25	10.25	0.85

STATION NO.: 127

ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.5	4.09	0.02	0.39	10.16	0.99
01	11	5.0	4.07	0.03	0.45	10.16	0.99
01	10	10.0	4.07	0.03	0.42	10.14	0.98
01	09	15.0	4.07	0.04	0.39	10.12	0.99
01	08	20.0	4.08	0.02	0.45	10.20	0.98
01	07	25.0	4.07	0.03	0.45	10.18	0.98
01	05	30.0	4.09	0.03	0.42	10.24	0.98
01	03	33.0	4.09	0.03	0.41	10.21	0.98
01	01	35.0	4.11	0.03	0.43	10.20	0.99

STATION NO.: 128  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	9	2.0	4.02	0.04	0.44	10.20	0.99
01	7	10.0	4.02	0.03	0.42	10.19	1.00
01	6	15.0	4.02	0.03	0.41	10.21	0.99
01	5	25.0	4.03	0.03	0.52	10.22	1.03
01	4	30.0	4.03	0.03	0.43	10.09	0.99
01	1	106.0	6.38	0.02	0.61	11.65	0.99

STATION NO.: 129  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	3.96	0.04	0.40	10.15	1.01
01	9	12.0	3.98	0.03	0.42	10.16	1.00
01	8	25.0	4.00	0.04	0.42	10.18	1.00
01	6	45.0	4.04	0.04	0.40	10.24	1.00
01	5	50.0	4.11	0.04	0.40	10.26	1.00
01	4	75.0	4.73	0.03	0.42	10.69	1.01
01	3	100.0	6.78	0.02	0.45	11.93	0.97
01	2	150.0	11.45	0.03	0.47	10.98	0.91
01	1	181.0	12.16	0.03	0.48	10.69	0.90

STATION NO.: 130  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	9	7.0	3.28	0.04	0.42	10.33	1.04
01	9	8.5	3.58	0.04	0.41	10.38	1.02
02	5	17.0	3.34	0.04	0.42	10.37	1.03
02	3	29.0	3.40	0.05	0.43	10.42	1.03
01	8	30.0	3.61	0.05	0.41	10.40	1.00
02	1	42.0	3.39	0.04	0.43	10.42	1.02
01	5	53.0	3.94	0.04	0.43	10.59	1.00
01	4	100.0	6.19	0.04	0.44	11.56	0.97
01	3	150.0	11.49	0.04	0.43	10.86	0.88
01	1	286.0	13.12	0.05	0.44	9.67	0.90

STATION NO.: 131  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	9.0	4.91	0.02	0.39	10.25	1.07
01	10	15.0	3.76	0.03	0.39	10.24	1.07
01	8	25.0	3.81	0.02	0.41	10.21	1.06
01	7	44.0	4.65	0.02	0.38	11.10	1.11
01	6	53.0	5.11	0.04	0.42	11.20	1.13
01	4	100.0	7.05	0.05	0.40	11.66	1.05
01	3	150.0	11.74	0.03	0.47	10.36	0.96
01	2	200.0	12.41	0.03	0.46	10.36	0.95
01	1	239.0	12.44	0.03	0.45	10.39	0.95

STATION NO.: 132  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	5.2	4.16	0.03	0.41	10.12	0.94
01	10	8.8	3.85	0.05	0.40	10.12	0.93
01	9	15.5	4.27	0.03	0.46	10.22	0.98
01	8	26.0	4.20	0.07	0.42	10.22	0.94
01	6	42.0	4.22	0.04	0.40	10.25	0.92
01	5	50.0	4.29	0.04	0.41	10.32	0.98
01	4	100.0	10.68	0.05	0.43	10.55	0.88
01	3	150.0	13.09	0.02	0.46	9.81	0.88
01	2	200.0	13.19	0.04	0.46	9.82	0.88
01	1	254.0	13.50	0.03	0.46	9.66	0.91

STATION NO.: 133  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	9	4.8	2.04	0.03	0.40	7.38	0.85
01	8	8.0	2.57	0.04	0.38	7.97	0.91
01	6	18.0	2.83	0.03	0.45	8.33	0.93
01	5	27.0	4.24	0.03	0.44	10.09	0.97
01	4	36.0	4.65	0.03	0.42	10.35	0.98
01	3	50.0	5.50	0.03	0.46	10.66	0.97
01	1	100.0	9.88	0.04	0.45	10.20	0.90



STATION NO.: 134  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.0	3.54	0.07	0.42	10.34	0.94
02	12	1.6	3.68	0.05	0.42	10.02	0.96
02	9	3.7	3.93	0.04	0.43	10.07	0.98
02	7	7.2	3.92	0.06	0.42	10.19	0.97
02	5	12.5	3.96	0.05	0.43	10.18	0.98
02	3	23.0	3.70	0.06	0.45	10.01	0.98
02	1	39.0	3.81	0.05	0.44	10.00	0.98
01	5	50.0	3.87	0.08	0.44	9.98	0.97
03	1	100.0	7.34	0.03	0.45	11.20	0.96
01	3	149.0	12.77	0.05	0.47	10.00	0.89
01	1	189.0	12.93	0.05	0.49	10.11	0.90

STATION NO.: 135  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	7	7.0	2.78	0.03	0.41	9.43	0.91
01	9	20.0	4.02	0.04	0.40	10.96	0.97
01	7	37.0	4.03	0.05	0.41	10.92	1.00
01	5	50.0	3.81	0.06	0.40	10.49	0.96
01	4	100.0	8.29	0.04	0.41	11.61	0.93
01	3	150.0	12.79	0.04	0.44	10.63	0.89
01	1	354.0	13.44	0.03	0.47	11.45	0.91

STATION NO.: 136  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	11	1.6	3.17	0.07	0.42	9.60	0.94
02	7	7.5	2.85	0.23	0.40	10.08	0.93
02	5	12.0	3.76	0.06	0.42	10.13	0.98
02	3	19.0	3.43	0.15	0.43	10.12	0.96
01	9	21.0	3.75	0.04	0.44	10.19	0.98
02	1	28.0	3.74	0.10	0.42	10.15	0.98
01	7	31.0	3.95	0.06	0.46	10.33	0.97
01	5	50.0	3.82	0.05	0.45	10.34	0.98
01	4	100.0	6.75	0.06	0.44	11.83	0.95
01	3	150.0	12.28	0.04	0.49	10.37	0.89
01	1	358.0	13.10	0.04	0.49	10.12	0.90

STATION NO.: 137  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	11	2.0	3.08	0.03	0.39	9.55	0.94
01	9	6.0	3.71	0.03	0.40	9.98	0.99
02	7	9.0	3.27	0.04	0.40	9.69	0.98
02	5	14.0	3.58	0.04	0.43	9.96	0.98
02	3	22.0	3.67	0.04	0.41	9.97	0.99
01	7	43.0	3.98	0.05	0.38	10.17	1.00
01	5	50.0	4.17	0.02	0.40	10.37	1.00
01	4	100.0	6.78	0.02	0.41	11.67	0.96
01	3	150.0	11.46	0.03	0.43	11.02	0.90
01	1	313.0	13.46	0.04	0.50	10.85	0.91

STATION NO.: 138  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	9	5.5	2.00	0.04	0.43	6.73	0.85
02	7	9.5	3.52	0.06	0.46	9.77	0.96
02	5	11.0	3.51	0.05	0.46	9.74	0.96
02	3	25.0	3.68	0.04	0.48	10.18	0.98
01	7	43.5	3.90	0.05	0.47	10.29	0.99
01	5	50.0	3.95	0.05	0.44	10.26	0.99
01	4	99.0	6.37	0.04	0.48	11.72	0.95
01	3	151.0	12.43	0.03	0.48	10.24	0.89
03	2	272.0	13.55	0.02	0.51	10.49	0.91
01	1	311.0	13.37	0.04	0.49	10.58	0.91
03	1	322.0	13.55	0.03	0.48	10.69	0.92

STATION NO.: 139  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	2.70	0.04	0.41	7.63	0.93
01	11	4.3	2.93	0.03	0.48	8.11	0.92
01	9	13.0	4.15	0.03	0.56	10.48	1.00
01	8	20.0	4.14	0.03	0.47	10.45	0.99
01	7	32.0	4.07	0.04	0.45	10.34	0.99
01	5	50.0	4.07	0.04	0.47	10.31	1.00
01	4	100.0	6.79	0.02	0.48	11.72	0.97
01	3	150.0	12.00	0.02	0.48	10.67	0.88
01	2	200.0	13.25	0.02	0.52	10.51	0.89
01	1	284.0	13.54	0.04	0.55	11.03	0.93

STATION NO.: 140  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.5	1.27	0.06	0.59	6.37	0.84
01	10	5.5	1.72	0.06	0.66	7.15	0.89
01	9	10.0	2.12	0.07	0.57	7.71	0.90
01	8	16.0	3.06	0.08	0.58	8.88	0.97
01	7	26.0	3.49	0.08	0.53	9.30	1.00
01	6	40.0	3.64	0.08	0.50	9.43	1.00
01	5	49.0	3.71	0.08	0.48	9.46	1.02
01	4	100.0	5.98	0.03	0.50	10.97	1.01
01	3	150.0	12.38	0.03	0.50	10.43	0.90
01	2	201.0	13.21	0.03	0.52	10.45	0.91
01	1	258.0	13.51	0.04	0.55	10.55	0.93

STATION NO.: 141  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	11	1.9	2.35	0.06	0.38	8.05	-
02	9	3.1	2.54	0.05	0.42	8.40	-
02	5	9.2	3.00	0.07	0.45	9.15	0.94
01	9	17.0	3.47	0.07	0.43	9.54	0.99
01	7	41.0	3.65	0.08	0.37	9.53	0.99
01	5	50.0	3.68	0.06	0.37	9.51	1.00
01	4	100.0	3.98	0.03	0.36	9.97	1.01
01	3	150.0	10.93	0.01	0.38	11.15	0.91
01	1	289.0	13.48	0.02	0.41	9.36	0.92

STATION NO.: 142  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	11	2.0	0.31	0.01	0.39	3.93	0.67
02	7	4.8	0.66	0.03	0.40	5.35	0.78
01	9	13.4	1.49	0.04	0.49	7.16	0.85
01	7	21.0	2.77	0.08	0.62	8.73	0.94
01	5	50.0	3.69	0.07	0.46	9.60	0.99
01	4	100.0	4.68	0.02	0.44	10.54	0.99
01	3	150.0	9.36	0.01	0.45	11.81	0.94
01	1	316.0	13.43	0.03	0.57	9.21	0.92

STATION NO.: 143  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	10	2.3	0.75	0.03	0.34	5.44	0.82
02	4	11.0	1.88	0.03	0.35	6.60	0.87
01	8	19.0	0.76	0.02	0.32	4.73	0.82
01	7	40.0	4.09	0.02	0.32	10.31	1.01
01	5	50.0	4.23	0.01	0.33	10.48	1.02
01	4	100.0	9.17	0.01	0.35	11.64	0.96
01	3	150.0	12.30	0.01	0.37	10.33	0.90
03	1	200.0	13.29	0.01	0.37	10.79	0.92
01	1	295.0	12.37	0.02	0.39	9.61	0.91

STATION NO.: 144  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	8	5.0	0.02	0.01	0.38	1.00	0.68
02	6	9.0	0.02	0.01	0.36	0.91	0.67
02	4	16.0	0.06	0.02	0.39	0.93	0.69
01	7	27.0	2.63	0.04	0.38	8.82	0.94
01	5	48.0	4.12	0.03	0.39	10.26	1.01
01	4	100.0	6.49	0.03	0.41	11.65	0.97
01	3	150.0	12.45	0.02	0.44	10.65	0.91
02	1	200.0	13.20	0.02	0.44	10.82	0.92
01	2	290.0	13.38	0.03	0.44	9.13	0.91

STATION NO.: 145  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	11	1.7	0.02	0.02	0.30	1.86	0.60
02	9	4.0	0.06	0.02	0.31	2.15	0.62
02	7	7.0	0.02	0.02	0.30	2.16	0.62
02	5	10.2	0.46	0.02	0.34	4.25	0.69
02	3	14.0	1.89	0.05	0.36	7.98	0.85
01	10	20.0	0.67	0.03	0.29	6.25	0.77
02	1	28.0	3.83	0.05	0.32	10.06	0.94
01	7	31.0	3.35	0.05	0.34	9.55	0.94
01	5	50.0	4.05	0.02	0.33	10.44	0.99
01	4	100.0	5.42	0.02	0.33	11.34	0.97
01	3	150.0	11.34	0.02	0.36	10.69	0.89
03	5	200.0	12.87	0.03	0.41	10.22	0.89
03	4	250.0	13.35	0.03	0.44	9.46	0.93
01	1	296.0	13.30	0.02	0.41	8.59	0.90

STATION NO.: 146  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	4.7	3.16	0.02	0.45	11.46	0.85
01	10	9.5	3.54	0.02	0.41	11.57	0.86
01	7	24.0	4.64	0.03	0.42	10.66	0.81
01	6	50.0	5.45	0.04	0.41	8.76	0.71
01	5	100.0	8.18	0.01	0.41	7.19	0.70
01	4	150.0	10.39	0.02	0.41	7.70	0.83
01	3	200.0	12.08	0.07	0.44	7.70	0.83
01	1	454.0	13.30	0.01	0.40	7.95	0.90

STATION NO.: 147  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	4.39	0.04	0.51	8.62	0.67
01	11	10.0	4.50	0.03	0.38	8.82	0.67
01	10	20.0	4.65	0.03	0.39	8.73	0.68
01	9	30.0	6.18	0.03	0.36	9.40	0.71
01	8	50.0	7.13	0.02	0.41	7.88	0.66
01	7	75.0	7.70	0.03	0.44	5.30	0.60
01	6	100.0	9.03	0.05	0.40	4.91	0.64
01	5	250.0	12.66	0.02	0.40	6.90	0.83
01	4	500.0	13.28	0.02	0.40	7.50	0.87
01	3	1000.0	13.35	0.01	0.41	7.46	0.89
01	2	1500.0	14.07	0.01	0.41	9.08	0.93
01	1	2000.0	14.71	0.02	0.40	10.54	0.97

STATION NO.: 148  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	10.0	4.61	0.03	1.37	9.79	0.75
01	10	20.0	4.69	0.04	1.32	9.70	0.75
01	9	30.0	6.21	0.04	1.30	9.08	0.71
01	8	50.0	6.56	0.03	1.25	7.16	0.63
01	7	75.0	8.37	0.03	1.15	6.98	0.67
01	6	100.0	9.67	0.03	0.92	7.65	0.75
01	5	200.0	12.12	0.02	0.84	7.87	0.82
01	4	300.0	13.21	0.04	0.77	8.33	0.87
01	3	500.0	13.34	0.01	0.70	7.83	0.88
01	2	750.0	13.26	0.02	0.62	7.68	0.87
01	1	913.0	13.50	0.02	0.55	8.28	0.90

STATION NO.: 150

ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.01	0.01	0.42	1.55	0.64
01	10	6.0	0.01	0.01	0.40	1.49	0.66
01	9	11.0	0.01	0.01	0.40	2.55	0.68
01	8	18.0	0.19	0.02	0.42	3.13	0.72
01	6	22.0	2.37	0.03	0.42	7.98	0.91
01	5	50.0	4.15	0.01	0.42	10.27	1.00
01	4	100.0	6.38	0.01	0.43	11.61	0.97
01	3	150.0	11.39	0.01	0.46	10.69	0.92
01	2	200.0	13.22	0.01	0.45	10.85	0.91
01	1	289.0	13.42	0.02	0.48	8.68	0.90

STATION NO.: 151

ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.01	0.01	0.41	1.54	0.64
01	10	7.0	0.01	0.01	0.42	1.48	0.65
01	9	11.0	0.05	0.01	0.40	1.47	0.66
01	8	17.0	0.13	0.01	0.42	1.81	0.68
01	7	24.0	2.18	0.03	0.44	6.92	0.88
01	6	27.0	3.49	0.04	0.44	9.49	0.97
01	5	50.0	4.20	0.02	0.43	10.33	1.01
01	4	100.0	5.47	0.02	0.45	11.19	0.98
01	3	150.0	11.27	0.02	0.45	10.89	0.90
01	2	201.0	13.19	0.01	0.47	10.75	0.91
01	1	266.0	13.47	0.02	0.48	9.63	0.92

STATION NO.: 152

ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.01	0.01	0.44	1.80	0.62
01	9	11.0	1.03	0.04	0.50	6.47	0.81
01	8	16.0	1.82	0.05	0.52	7.71	0.89
01	7	22.0	2.34	0.06	0.50	8.26	0.92
01	6	29.0	2.93	0.06	0.53	8.78	0.96
01	5	50.0	4.02	0.03	0.48	10.13	1.01
01	4	100.0	5.01	0.02	0.43	10.92	1.00
01	3	150.0	8.87	0.01	0.46	11.83	0.97
01	2	200.0	12.53	0.01	0.47	10.98	0.92
01	1	254.0	13.29	0.02	0.47	10.95	0.91

STATION NO.: 153  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	0.16	0.01	0.45	4.10	0.69
01	9	15.0	0.32	0.02	0.45	5.27	0.75
01	5	23.0	0.64	0.03	0.51	5.99	0.76
01	4	50.0	3.25	0.18	0.48	9.84	1.00
01	3	75.0	3.82	0.05	0.50	9.92	1.02
01	1	100.0	4.09	0.03	0.51	10.11	1.03

STATION NO.: 154  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
03	11	2.0	2.10	0.05	0.45	7.70	0.93
03	9	10.0	2.22	0.06	0.49	7.96	0.97
03	8	20.0	2.62	0.06	0.44	8.45	1.02
03	7	30.0	3.10	0.08	0.45	9.18	1.03
03	6	50.0	3.58	0.08	0.42	9.71	1.08
03	4	75.0	3.64	0.06	0.41	9.77	1.07
03	3	100.0	4.31	0.02	0.43	10.36	1.07
01	1	138.0	7.54	0.04	0.49	11.45	1.00

STATION NO.: 155  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	11	1.6	0.02	0.02	0.40	2.47	0.56
02	07	5.7	0.02	0.01	0.42	3.21	0.62
02	05	9.5	0.18	0.02	0.49	4.78	0.71
01	9	19.0	0.15	0.02	0.43	5.14	0.76
01	7	26.0	0.52	0.02	0.47	6.06	0.79
01	5	50.0	3.99	0.02	0.43	10.16	0.97
01	4	100.0	4.52	0.01	0.44	10.56	0.97
03	3	136.0	8.38	0.01	0.49	11.58	0.96
01	3	150.0	10.20	0.01	0.49	11.52	0.97
01	1	172.0	11.78	0.02	0.45	11.33	0.97
03	1	186.0	12.64	0.02	0.50	11.15	0.93

STATION NO.: 156  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	4.0	3.25	0.06	0.44	9.45	0.94
01	9	13.0	3.53	0.08	0.44	9.73	0.98
01	8	19.0	3.68	0.06	0.46	9.83	0.99
01	7	37.0	3.69	0.03	0.49	9.90	1.01
01	5	50.0	3.73	0.02	0.53	9.89	1.02
01	4	74.0	3.75	0.02	0.50	9.92	1.02
01	3	99.0	4.25	0.02	0.50	10.23	1.01
01	2	151.0	10.74	0.01	0.50	11.50	0.91
01	1	163.0	11.30	0.02	0.50	11.32	0.92

STATION NO.: 157  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.05	0.02	0.38	2.03	0.70
01	8	13.0	0.23	0.03	0.38	5.27	0.76
01	7	22.0	1.99	0.04	0.39	8.14	0.93
01	6	31.0	3.47	0.07	0.39	9.25	1.01
01	5	50.0	3.98	0.02	0.39	9.92	1.02
01	4	100.0	6.19	0.01	0.40	11.29	0.99
01	3	150.0	11.23	0.01	0.42	10.73	0.93
01	2	200.0	13.17	0.01	0.43	9.79	0.91
01	1	270.0	13.40	0.02	0.45	10.35	0.93

STATION NO.: 158  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.99	0.02	0.38	6.18	0.77
01	9	10.0	2.26	0.03	0.36	8.38	0.89
01	8	18.0	3.44	0.03	0.40	9.43	0.96
01	7	24.0	3.91	0.03	0.55	9.91	0.99
01	6	30.0	4.05	0.02	0.57	9.93	1.00
01	5	50.0	4.08	0.02	0.57	9.90	1.01
01	4	100.0	7.25	0.02	0.61	11.46	0.97
01	3	150.0	10.11	0.02	0.64	11.09	0.93
01	2	200.0	13.02	0.02	0.64	9.83	0.92
01	1	262.0	13.29	0.02	0.60	10.09	0.91



STATION NO.: 159

ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.84	0.02	0.36	5.18	0.78
01	8	16.0	2.93	0.02	0.30	8.55	0.92
01	7	22.0	3.66	0.02	0.25	9.97	0.96
01	5	50.0	3.63	0.06	0.23	10.11	0.98
01	4	100.0	6.46	0.06	0.22	11.62	0.97
01	3	200.0	12.60	0.02	0.30	10.44	0.90
01	2	283.0	13.25	0.01	0.43	10.66	0.91

STATION NO.: 160

ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.86	0.02	0.56	5.13	0.77
01	10	5.0	1.48	0.02	0.46	6.26	0.82
01	8	9.0	2.94	0.03	0.51	8.69	0.93
01	7	16.0	3.73	0.03	0.58	9.89	0.96
01	6	30.0	3.78	0.03	0.60	10.15	0.98
01	5	50.0	3.76	0.04	0.60	10.20	0.98
01	4	100.0	6.58	0.03	0.59	11.55	0.96
01	3	150.0	12.66	0.02	0.65	10.50	0.91
01	2	200.0	13.28	0.01	0.59	10.91	0.91
01	1	287.0	13.50	0.03	0.61	9.95	0.94

STATION NO.: 161

ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.04	0.01	0.66	1.74	0.64
01	10	7.0	0.48	0.01	0.59	3.42	0.71
01	8	16.0	1.90	0.02	0.57	7.72	0.86
01	6	28.0	3.24	0.03	0.52	9.26	0.92
01	5	50.0	4.32	0.02	0.48	10.46	0.99
01	4	100.0	8.33	0.01	0.44	11.41	0.94
01	3	150.0	12.80	0.02	0.40	11.58	0.93
01	1	207.0	13.36	0.02	0.40	11.37	0.92

STATION NO.: 162  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.00	0.00	0.34	1.51	0.56
01	10	4.2	0.00	0.02	0.37	1.62	0.63
01	8	11.5	0.45	0.01	0.39	2.62	0.76
01	6	15.8	0.51	0.02	0.39	2.87	0.75
01	5	50.0	4.14	0.04	0.40	10.04	1.01
01	4	100.0	10.34	0.02	0.43	11.52	0.97
01	3	150.0	12.71	0.02	0.42	11.83	0.96
01	2	200.0	13.23	0.02	0.41	11.01	0.94
01	1	220.0	13.24	0.02	0.46	10.97	0.95

STATION NO.: 163  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	8	2.0	0.00	0.04	0.43	1.77	0.54
01	6	6.0	0.04	0.02	0.40	1.32	0.61
01	5	9.6	0.08	0.02	0.40	1.55	0.63
01	4	20.0	0.14	0.01	0.41	2.21	0.68
01	3	30.0	1.18	0.02	0.47	5.15	0.77
01	2	50.0	5.39	0.05	0.47	10.95	0.95
01	1	70.0	7.53	0.03	0.44	11.90	0.95

STATION NO.: 165  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.00	0.01	0.49	3.64	0.66
02	7	6.0	0.09	0.01	0.51	3.60	0.67
02	5	10.0	0.06	0.01	0.49	3.39	0.68
01	8	15.0	0.03	0.02	0.49	4.68	0.69
01	6	19.0	2.17	0.03	0.52	8.11	0.89
01	5	35.0	3.69	0.03	0.50	9.92	0.99
01	4	49.0	4.12	0.01	0.51	10.30	1.01
01	3	100.0	6.67	0.01	0.51	11.75	0.97
01	2	150.0	11.20	0.02	0.52	11.04	0.91
03	3	270.0	13.36	0.01	0.52	10.32	0.92
01	1	312.0	13.35	0.02	0.53	11.03	0.93
03	1	319.0	13.39	0.02	0.51	10.63	0.93

STATION NO.: 166  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.18	0.02	0.60	2.43	0.78
01	10	6.0	1.25	0.06	0.48	5.90	0.92
01	8	16.0	3.46	0.08	0.52	9.01	1.02
01	6	28.0	4.57	0.03	0.48	10.40	1.08
01	5	50.0	6.70	0.03	0.50	11.48	1.06
01	4	75.0	10.65	0.02	0.49	11.32	0.99
01	3	100.0	13.32	0.02	0.48	11.48	0.98
01	2	150.0	13.71	0.02	0.48	11.46	0.97
01	1	183.0	13.63	0.02	0.56	11.46	0.97

STATION NO.: 167  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	1.38	0.02	0.42	5.33	0.80
01	10	5.0	3.30	0.03	0.50	9.87	1.01
01	8	19.0	3.49	0.03	0.47	10.03	1.02
01	6	26.0	3.83	0.03	0.54	10.22	1.04
01	5	50.0	4.24	0.03	0.53	10.49	1.06
01	4	100.0	10.32	0.01	0.52	11.30	0.99
01	3	150.0	13.26	0.01	0.50	10.58	0.96
01	2	200.0	13.58	0.02	0.54	11.26	1.01
01	1	212.0	13.56	0.02	0.52	11.26	0.98

STATION NO.: 168  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	11	2.0	2.31	0.02	0.52	8.47	0.92
02	10	5.0	3.19	0.02	0.50	9.62	0.99
02	7	8.0	3.47	0.02	0.51	10.00	1.00
01	8	19.0	4.00	0.04	0.51	10.33	1.09
01	6	32.0	4.01	0.04	0.49	10.39	1.09
01	4	50.0	4.18	0.02	0.47	10.47	1.08
01	3	100.0	7.77	0.01	0.50	11.65	1.04
01	2	150.0	13.05	0.01	0.54	10.49	0.96
01	1	345.0	13.90	0.02	0.58	11.54	1.00

STATION NO.: 169  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	1.03	0.03	0.45	6.68	0.80
01	9	7.0	2.04	0.04	0.44	8.40	0.92
01	7	17.5	2.20	0.04	0.45	8.69	0.94
01	6	22.5	2.24	0.04	0.49	8.74	0.98
01	5	50.0	4.18	0.04	0.52	10.65	1.09
01	4	100.0	7.75	0.03	0.51	11.94	1.04
01	3	150.0	12.30	0.03	0.50	10.72	0.96
01	2	200.0	13.16	0.02	0.51	10.60	0.96
01	1	276.0	13.64	0.03	0.52	10.60	0.98

STATION NO.: 170  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	3.27	0.04	0.52	9.80	1.00
01	10	5.0	3.03	0.06	0.52	10.19	0.99
01	8	13.0	3.99	0.06	0.51	10.60	1.06
01	7	20.0	3.65	0.04	0.51	10.60	1.05
01	6	30.0	4.09	0.03	0.53	10.59	1.05
01	4	50.0	4.11	0.03	0.56	10.63	1.06
01	3	100.0	6.81	0.02	0.54	12.12	1.02
01	1	139.0	9.62	0.02	0.54	12.17	0.99

STATION NO.: 171  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.00	0.01	0.51	1.92	0.70
01	11	6.0	0.08	0.01	0.53	1.80	0.65
01	10	9.0	0.05	0.01	0.52	2.03	0.67
01	9	14.0	0.07	0.01	0.52	1.72	0.67
01	7	20.0	2.89	0.03	0.52	8.86	0.99
01	5	50.0	4.18	0.03	0.51	10.28	1.06
01	4	100.0	4.89	0.02	0.50	11.24	1.07
01	3	150.0	10.12	0.03	0.61	12.34	0.99
01	1	200.0	10.93	0.02	0.53	12.08	0.96

STATION NO.: 172  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	10	4.0	0.03	0.01	0.49	3.48	0.72
01	8	11.0	0.16	0.01	0.52	2.69	0.73
01	7	20.0	0.34	0.02	0.52	4.49	0.84
01	4	28.0	2.39	0.05	0.53	8.63	0.99
01	3	50.0	3.64	0.05	0.53	10.08	1.06
01	2	70.0	3.66	0.05	0.53	10.07	1.06
01	1	84.0	3.77	0.04	0.52	10.25	1.05

STATION NO.: 173  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	0.06	0.02	0.54	4.12	0.75
01	9	8.0	0.07	0.01	0.57	3.12	0.74
01	8	13.0	0.14	0.01	0.54	3.36	0.73
01	4	20.0	0.39	0.02	0.55	4.31	0.80
01	3	50.0	3.89	0.06	0.57	10.10	1.09
01	2	75.0	4.01	0.06	0.57	10.26	1.08
01	1	95.0	4.23	0.05	0.57	10.50	1.10

STATION NO.: 175  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	2.83	0.05	0.63	9.66	0.99
01	9	6.0	3.03	0.05	0.60	9.79	1.00
01	8	11.0	3.05	0.06	0.60	9.92	1.01
01	7	19.0	3.32	0.06	0.60	9.96	1.02
01	6	32.0	3.85	0.04	0.58	10.20	1.06
01	5	43.0	4.03	0.02	0.55	10.31	1.08
01	3	50.0	3.86	0.02	0.53	10.40	1.08
01	2	100.0	4.00	0.02	0.52	10.31	1.08
01	1	247.0	13.04	0.02	0.58	15.22	1.03

STATION NO.: 176  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	2.72	0.07	0.48	10.02	0.98
01	10	4.0	2.75	0.07	0.49	10.04	0.99
01	8	12.0	3.30	0.07	0.46	10.10	1.03
01	7	20.0	3.72	0.04	0.44	10.32	1.05
01	6	34.0	3.98	0.02	0.44	10.36	1.06
01	5	41.0	3.84	0.04	0.46	10.38	1.05
01	4	50.0	3.91	0.04	0.46	10.46	1.06
01	3	100.0	3.98	0.02	0.47	10.33	1.07
01	2	150.0	9.88	0.02	0.48	12.68	1.02
01	1	235.0	13.26	0.02	0.49	14.97	1.02

STATION NO.: 177  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	2.96	0.06	0.51	9.62	1.01
01	11	6.0	2.93	0.06	0.52	9.71	1.02
01	9	16.0	3.33	0.07	0.49	10.06	1.05
01	8	23.0	3.63	0.05	0.47	10.33	1.10
01	6	36.0	3.87	0.02	0.49	10.26	1.08
01	5	50.0	3.91	0.01	0.51	10.32	1.09
01	4	100.0	4.13	0.01	0.48	10.34	1.09
01	3	150.0	9.22	0.01	0.53	12.42	1.03
01	2	200.0	13.10	0.01	0.54	14.41	1.03
01	1	276.0	13.41	0.01	0.51	14.68	1.03

STATION NO.: 178  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	3.13	0.06	0.56	10.36	1.02
01	10	5.0	3.14	0.06	0.56	10.33	1.02
01	9	10.0	3.22	0.06	0.56	10.33	1.02
01	8	20.0	3.66	0.07	0.55	10.47	1.06
01	7	30.0	3.55	0.05	0.57	10.07	1.06
01	5	50.0	4.02	0.03	0.55	10.36	1.06
01	4	75.0	3.89	0.03	0.54	10.21	1.06
01	3	100.0	4.17	0.02	0.55	10.28	1.08
01	2	150.0	10.12	0.02	0.56	13.14	1.03
01	1	170.0	10.02	0.03	0.56	13.10	1.03

STATION NO.: 179  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.01	0.01	0.49	2.59	0.70
02	7	8.0	0.20	0.01	0.52	3.10	0.78
02	2	16.0	2.88	0.02	0.54	8.48	0.99
02	1	25.0	3.09	0.03	0.54	8.93	1.02
01	5	29.0	3.57	0.03	0.51	9.39	1.03
01	4	50.0	4.27	0.02	0.51	10.62	1.07
01	3	100.0	8.25	0.02	0.53	11.91	1.06
01	2	150.0	13.09	0.01	0.55	10.83	0.98
03	2	200.0	13.84	0.01	0.56	11.02	1.03
01	1	245.0	13.84	0.02	0.56	11.46	1.02
03	1	250.0	13.90	0.02	0.56	11.29	1.03

STATION NO.: 180  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.00	0.02	1.09	2.27	0.68
01	11	4.0	0.00	0.02	0.62	2.90	0.67
01	9	8.0	0.00	0.02	0.65	4.70	0.70
01	8	16.0	0.11	0.02	0.64	5.77	0.75
01	6	24.0	1.00	0.03	0.59	7.04	0.89
01	5	50.0	4.17	0.03	0.58	10.45	1.05
01	4	100.0	7.03	0.02	0.56	11.86	1.01
01	3	150.0	12.70	0.02	0.59	10.58	0.93
01	2	200.0	13.59	0.02	0.60	10.88	0.97
01	1	247.0	13.83	0.03	0.61	11.36	0.99

STATION NO.: 181  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.00	0.04	0.79	1.73	0.66
01	10	5.0	0.06	0.03	0.77	1.79	0.68
01	8	15.0	1.66	0.06	0.89	7.08	0.89
01	7	22.0	2.98	0.05	0.77	8.90	0.95
01	6	26.0	2.58	0.05	0.80	8.54	0.93
01	5	50.0	4.24	0.04	0.85	10.63	1.03
01	4	100.0	9.65	0.04	0.78	11.66	0.98
01	3	150.0	13.17	0.03	0.87	10.73	0.92
01	2	200.0	13.29	0.03	0.77	10.31	0.94
01	1	280.0	13.40	0.03	0.73	10.27	0.93

STATION NO.: 182  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.01	0.01	-	1.87	0.64
01	10	6.0	0.11	0.02	-	2.53	0.76
01	9	9.0	0.26	0.02	-	2.86	0.72
01	7	17.0	1.14	0.02	-	4.48	0.80
01	5	50.0	4.31	0.03	-	10.54	1.06
01	4	100.0	8.48	0.03	-	12.19	1.04
01	3	150.0	13.69	0.02	-	10.64	0.97
01	2	200.0	13.98	0.03	-	10.75	0.99
01	1	225.0	13.98	0.03	-	10.82	1.01

STATION NO.: 183  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.05	0.00	0.49	1.51	0.62
01	11	4.0	0.21	0.01	0.50	2.54	0.67
01	9	9.0	1.13	0.02	0.51	6.22	0.86
01	7	14.0	3.40	0.03	0.54	9.64	1.02
01	5	20.0	3.29	0.04	0.52	9.82	1.02
01	4	50.0	4.09	0.03	0.52	10.56	1.09
01	3	100.0	8.35	0.02	0.53	11.98	1.05
01	1	114.0	9.30	0.02	0.57	12.30	1.06

STATION NO.: 184  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.01	0.01	0.50	1.66	0.66
01	10	5.0	0.00	0.01	0.48	1.65	0.67
01	8	11.0	0.00	0.01	0.46	1.77	0.69
01	6	15.0	0.08	0.01	0.54	1.79	0.70
01	5	50.0	6.98	0.03	0.52	11.77	1.05
01	4	100.0	10.11	0.02	0.50	12.65	1.04
01	3	150.0	11.19	0.02	0.51	12.14	1.02
01	1	204.0	11.66	0.03	0.52	12.47	1.00



STATION NO.: 185  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.01	0.00	0.47	1.35	0.59
01	8	10.0	0.11	0.01	0.51	2.07	0.75
01	6	15.0	0.73	0.01	0.53	4.20	0.83
01	5	50.0	7.84	0.03	0.54	12.22	1.06
01	4	100.0	10.43	0.02	0.55	12.76	1.03
01	1	145.0	10.94	0.02	0.54	12.30	1.03

STATION NO.: 186  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	1	2.0	0.00	0.02	0.50	1.55	0.62
02	11	3.0	0.01	0.00	0.47	1.46	0.62
02	7	9.0	0.01	0.01	0.49	1.59	0.65
02	5	14.0	0.11	0.02	0.50	1.83	0.69
01	5	17.0	0.19	0.02	0.53	2.90	0.75
02	1	62.0	7.29	0.04	0.57	12.04	1.03

STATION NO.: 187  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	9	2.0	0.00	0.02	0.53	2.51	0.73
01	5	7.0	0.37	0.02	0.49	5.72	0.83
01	4	12.0	0.43	0.03	0.50	6.48	0.85
01	3	17.0	0.27	0.03	0.52	5.71	0.83
01	1	44.0	3.70	0.04	0.64	9.55	1.00

STATION NO.: 188  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	10	2.0	0.00	0.01	0.50	4.35	0.67
01	9	3.0	0.00	0.01	0.50	3.85	0.69
01	7	6.0	0.00	0.01	0.52	2.50	0.72
01	5	12.0	0.00	0.02	0.52	2.46	0.74
01	3	20.0	0.61	0.03	0.54	7.73	0.89
01	1	39.0	2.18	0.04	0.62	10.20	0.99

STATION NO.: 189  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	0.33	0.01	0.53	3.70	0.71
02	11	2.6	0.04	0.02	0.15	3.45	0.68
02	9	3.8	0.23	0.01	0.22	4.80	0.75
02	7	6.5	0.29	0.01	0.19	5.61	0.78
01	7	10.0	1.31	0.02	0.61	7.62	0.87
02	5	10.0	1.32	0.01	0.15	8.47	0.90
02	3	15.2	2.53	0.03	0.20	10.67	0.99
01	5	22.0	2.93	0.03	0.64	11.18	1.05
01	3	50.0	6.02	0.06	0.66	12.23	1.07
01	1	60.0	7.02	0.06	0.75	12.74	1.07

STATION NO.: 190  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.01	0.01	0.14	2.38	0.66
01	9	5.0	0.01	0.02	0.12	2.87	0.69
01	7	10.0	0.02	0.01	0.12	2.98	0.73
01	6	15.0	0.02	0.01	0.10	3.07	0.70
01	3	20.0	1.38	0.01	0.14	6.94	0.89
01	1	43.0	3.65	0.03	0.29	9.50	1.02

STATION NO.: 191  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	10	2.0	0.00	0.01	0.24	1.99	0.64
01	7	5.0	0.02	0.01	0.25	3.23	0.67
01	6	10.0	0.21	0.02	0.25	4.44	0.72
01	4	16.0	0.51	0.02	0.25	5.57	0.77
01	2	19.0	0.54	0.03	0.25	4.99	0.68
01	1	40.0	1.12	0.08	0.26	5.95	0.82

STATION NO.: 192  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	9	2.0	0.15	0.02	0.25	3.04	0.70
02	11	5.0	0.13	0.02	0.26	3.16	0.70
02	8	12.0	0.55	0.02	0.26	5.12	0.79
01	5	16.0	0.64	0.02	0.24	5.07	0.78
02	4	20.0	1.39	0.03	0.26	6.71	0.86
02	3	30.0	3.09	0.05	0.32	8.87	0.97
02	2	40.0	3.69	0.04	0.35	9.68	1.00
01	1	46.0	3.64	0.05	0.36	9.61	1.00

STATION NO.: 193  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	0.86	0.02	0.31	10.03	0.89
01	9	6.0	0.78	0.02	0.24	9.77	0.87
01	8	10.0	0.40	0.02	0.26	8.63	0.84
01	7	15.0	0.09	0.02	0.25	7.34	0.82
01	5	20.0	1.14	0.03	0.32	7.36	0.89
01	4	30.0	2.43	0.04	0.39	7.86	0.95
01	3	50.0	6.12	0.04	0.35	13.10	1.12
01	2	75.0	7.78	0.02	0.28	11.17	1.00
01	1	100.0	10.14	0.02	0.32	10.13	0.92

STATION NO.: 194  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	0.59	0.03	-	9.78	0.84
01	10	5.0	0.47	0.03	-	9.14	0.83
01	8	10.0	0.09	0.03	-	5.79	0.76
01	6	20.0	0.25	0.02	-	5.81	0.80
01	4	30.0	1.08	0.04	-	6.44	0.84
01	3	50.0	4.63	0.06	-	10.40	1.03
01	2	75.0	8.01	0.07	-	12.20	1.04
01	1	108.0	11.66	0.07	-	11.13	0.95

STATION NO.: 195  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	2.27	0.03	0.35	11.60	0.99
01	9	9.0	2.51	0.03	0.37	11.69	1.01
01	8	14.0	2.75	0.03	0.36	11.90	1.02
01	7	21.0	2.88	0.02	0.35	12.04	1.04
01	5	33.0	3.42	0.03	0.42	12.61	1.05
01	4	50.0	6.96	0.02	0.36	12.62	0.91
01	3	75.0	7.08	0.02	0.36	9.91	0.78
01	2	100.0	11.34	0.05	0.37	11.68	0.98
01	1	125.0	12.41	0.03	0.35	10.06	0.93

STATION NO.: 196  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	2.04	0.02	-	11.49	0.98
01	9	9.0	2.54	0.02	-	11.85	1.03
01	8	15.0	2.83	0.02	-	12.17	1.06
01	7	23.0	3.03	0.02	-	12.46	1.07
01	5	35.0	5.96	0.03	-	15.61	1.17
01	4	50.0	7.67	0.03	-	16.84	1.19
01	3	75.0	7.98	0.02	-	12.32	0.90
01	2	100.0	11.27	0.03	-	11.16	0.96
01	1	110.0	11.96	0.03	-	10.53	0.93

STATION NO.: 197  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	2.03	0.03	0.30	11.40	0.96
02	5	13.0	2.58	0.03	0.30	11.70	1.02
01	8	28.0	3.56	0.04	0.31	12.62	1.06
02	1	33.0	3.30	0.03	0.30	12.35	1.07
01	5	45.0	5.98	0.04	0.33	15.53	1.14
01	4	50.0	7.01	0.03	0.33	16.57	1.18
01	3	75.0	9.70	0.04	0.38	13.24	0.99
01	1	90.0	11.11	0.03	0.36	13.03	1.01

STATION NO.: 198  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	1.62	0.05	-	11.36	0.97
01	11	6.0	2.07	0.04	-	11.62	1.01
01	9	10.0	2.33	0.03	-	11.65	1.02
01	8	17.0	3.06	0.04	-	12.42	1.09
01	6	26.0	2.96	0.05	-	12.25	1.08
01	5	50.0	6.29	0.05	-	16.81	1.23
01	4	75.0	8.16	0.03	-	14.72	1.04
01	3	100.0	11.58	0.04	-	11.13	0.95
01	1	129.0	12.46	0.03	-	11.22	0.96

STATION NO.: 199  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	1.55	0.04	0.33	10.68	0.90
01	11	6.0	1.85	0.03	0.31	11.25	0.95
01	9	10.0	2.01	0.03	0.31	11.36	0.97
01	8	17.0	2.43	0.05	0.29	11.58	1.01
01	5	28.0	3.00	0.04	0.27	12.05	1.07
01	4	50.0	6.32	0.03	0.27	15.95	1.19
01	3	75.0	10.17	0.02	0.30	15.93	1.14
01	1	100.0	11.68	0.02	0.28	13.03	1.04

STATION NO.: 200  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	1.77	0.03	-	11.37	0.95
01	10	4.0	1.73	0.04	-	11.46	0.96
01	8	14.0	1.98	0.05	-	11.72	0.99
01	7	22.0	2.42	0.06	-	11.75	1.01
01	5	32.0	4.32	0.04	-	13.42	1.12
01	4	50.0	6.13	0.05	-	13.67	1.02
01	3	100.0	11.07	0.02	-	10.10	0.90
01	1	140.0	12.61	0.04	-	10.92	0.95

STATION NO.: 201  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	1.82	0.03	0.28	11.47	0.97
02	9	2.1	1.65	0.04	0.28	11.48	0.96
02	3	13.2	2.52	0.07	0.29	11.88	1.06
01	8	24.0	3.09	0.05	0.29	12.30	1.10
01	6	32.0	3.42	0.04	0.29	12.57	1.10
01	4	50.0	6.83	0.04	0.32	14.27	1.08
01	3	100.0	11.14	0.03	0.33	10.25	0.92
01	2	150.0	12.94	0.03	0.32	10.14	0.96
01	1	165.0	12.95	0.03	0.31	10.18	0.96

STATION NO.: 202  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	1.19	0.03	-	10.82	0.90
01	9	8.0	1.70	0.04	-	11.36	0.98
01	8	13.0	2.10	0.02	-	11.44	1.00
01	5	25.0	3.44	0.03	-	12.76	1.13
01	4	50.0	6.63	0.04	-	13.93	1.04
01	3	100.0	11.69	0.02	-	10.50	0.94
01	2	150.0	13.12	0.02	-	10.10	0.99
01	1	176.0	13.25	0.02	-	10.20	0.97

STATION NO.: 203  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	10	2.0	1.10	0.03	0.22	10.90	0.90
01	9	5.0	1.43	0.03	0.21	11.15	0.93
01	7	10.0	1.93	0.03	0.22	11.46	0.97
01	6	20.0	2.38	0.02	0.22	11.75	1.01
01	5	30.0	2.91	0.02	0.21	12.23	1.06
01	4	50.0	6.62	0.03	0.27	15.64	1.17
01	3	100.0	11.52	0.02	0.24	10.23	0.92
01	2	150.0	13.23	0.02	0.30	10.41	0.98
01	1	181.0	13.36	0.02	0.33	9.94	0.98

STATION NO.: 204  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	1.36	0.03	0.15	11.12	0.91
01	10	5.0	1.53	0.03	0.19	11.23	0.96
01	9	10.0	1.59	0.03	0.23	11.38	0.94
01	8	20.0	3.18	0.03	0.17	12.48	1.03
01	7	30.0	4.64	0.04	0.15	13.73	1.09
01	5	50.0	7.52	0.03	0.15	14.98	1.10
01	4	75.0	11.13	0.02	0.15	14.51	1.06
01	3	100.0	12.14	0.03	0.16	10.71	0.94
01	2	150.0	13.11	0.02	0.18	8.70	0.92
01	1	193.0	13.36	0.04	0.18	8.69	0.93

STATION NO.: 205  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	1.35	0.02	-	10.74	0.91
01	10	5.0	1.35	0.03	-	10.97	0.94
01	9	10.0	2.21	0.03	-	11.55	1.00
01	8	20.0	3.43	0.04	-	12.51	1.08
01	7	30.0	5.32	0.02	-	14.46	1.16
01	5	50.0	7.51	0.03	-	14.62	1.10
01	4	75.0	10.33	0.01	-	13.15	1.01
01	3	100.0	11.46	0.02	-	9.26	0.91
01	2	150.0	12.89	0.02	-	8.57	0.94
01	1	185.0	13.01	0.01	-	8.53	0.93

STATION NO.: 206  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	1.25	0.09	0.25	11.50	0.96
02	5	9.0	2.01	0.03	0.26	11.78	0.99
02	4	17.0	2.38	0.04	0.24	12.10	1.01
01	8	29.0	4.58	0.05	0.15	14.11	1.16
01	6	40.0	7.60	0.07	0.20	18.57	1.27
01	4	50.0	9.27	0.06	0.23	19.90	1.26
01	3	100.0	11.46	0.04	0.18	10.33	0.91
01	2	150.0	13.24	0.03	0.17	9.61	0.91
01	1	226.0	13.58	0.05	0.17	8.39	0.92

STATION NO.: 207  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	1.95	0.02	-	11.30	0.68
01	9	8.0	2.29	0.03	-	11.59	0.70
01	8	12.0	2.44	0.03	-	11.78	0.70
01	7	20.0	2.48	0.03	-	11.79	0.72
01	6	30.0	3.04	0.03	-	12.08	0.73
01	5	35.0	3.94	0.04	-	13.01	0.77
01	4	50.0	8.87	0.02	-	19.86	0.93
01	3	100.0	10.87	0.02	-	10.85	0.66
01	2	150.0	13.12	0.02	-	8.59	0.66
01	1	182.0	13.39	0.02	-	8.58	0.67

STATION NO.: 208  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	1.60	0.03	0.38	11.19	0.91
01	9	11.0	1.53	0.05	0.28	11.38	0.91
01	8	19.0	1.94	0.02	0.29	11.55	0.90
01	7	32.0	3.43	0.06	0.28	12.39	0.95
01	6	41.0	6.35	0.05	0.30	15.92	1.12
01	5	50.0	7.50	0.05	0.25	14.12	1.05
01	4	100.0	11.70	0.03	0.24	10.31	0.94
01	3	150.0	13.08	0.04	0.22	8.82	0.92
01	2	200.0	13.56	0.03	0.24	8.71	0.94
01	1	215.0	13.58	0.02	0.23	8.63	0.95



STATION NO.: 209  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	2.11	0.02	-	11.34	0.70
01	9	9.0	2.22	0.03	-	11.43	0.70
01	7	22.0	2.61	0.02	-	11.88	0.74
01	5	34.0	4.90	0.04	-	14.19	0.75
01	4	50.0	7.54	0.04	-	15.53	0.78
01	3	100.0	11.26	0.02	-	8.85	0.60
01	2	150.0	12.87	0.02	-	8.70	0.63
01	1	203.0	13.40	0.02	-	8.05	0.64

STATION NO.: 210  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	1.61	0.04	0.23	11.66	0.94
01	10	10.0	1.68	0.04	0.25	11.71	0.95
01	8	20.0	2.55	0.03	0.25	12.26	0.99
01	6	30.0	4.82	0.04	0.25	14.09	1.02
01	5	50.0	6.95	0.05	0.27	13.76	1.05
01	4	100.0	10.55	0.01	0.28	9.77	0.87
01	3	150.0	12.14	0.02	0.29	7.87	0.86
01	2	200.0	13.54	0.02	0.31	8.56	0.94
01	1	444.0	13.88	0.02	0.29	8.32	1.00

STATION NO.: 211  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	2.17	0.02	-	11.21	0.64
01	11	10.0	2.69	0.03	-	11.50	0.65
01	10	20.0	3.69	0.03	-	12.28	0.68
01	9	30.0	8.41	0.02	-	19.96	0.90
01	8	50.0	8.76	0.02	-	15.72	0.76
01	7	100.0	7.72	0.02	-	6.97	0.48
01	6	150.0	10.83	0.02	-	7.49	0.57
01	5	200.0	12.25	0.02	-	7.89	0.62
01	4	400.0	13.76	0.01	-	7.66	0.70
01	3	600.0	13.84	0.02	-	7.90	0.68
01	2	800.0	13.82	0.01	-	7.73	0.69
01	1	953.0	13.91	0.02	-	7.98	0.70

STATION NO.: 212  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	1.64	0.05	0.26	11.50	1.00
01	10	5.0	2.03	0.03	0.27	11.56	1.00
01	9	10.0	2.22	0.04	0.27	11.78	1.01
01	8	20.0	2.68	0.06	0.26	12.20	1.00
01	7	30.0	3.67	0.06	0.26	11.73	1.08
01	6	41.0	4.74	0.07	0.28	10.49	1.04
01	5	50.0	7.28	0.08	0.31	15.84	1.18
01	4	100.0	9.42	0.10	0.28	8.47	0.79
01	3	150.0	11.78	0.06	0.29	7.71	0.85
01	2	200.0	13.25	0.05	0.32	8.51	0.92
01	1	282.0	13.24	0.08	0.28	8.17	0.92

STATION NO.: 213  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	15.0	4.70	0.03	0.25	12.99	1.00
01	10	30.0	5.58	0.03	0.25	12.70	0.96
01	9	50.0	6.25	0.02	0.30	9.83	0.81
01	8	100.0	10.60	0.02	0.30	13.13	0.99
01	7	150.0	10.93	0.01	0.46	7.97	0.83
01	6	200.0	12.44	0.03	0.24	5.66	0.84
01	5	500.0	13.52	0.01	0.20	6.72	0.92
01	4	1000.0	13.68	0.01	0.19	7.38	0.95
01	3	1500.0	14.85	0.01	0.19	9.62	1.05
01	2	2000.0	15.45	0.02	0.19	10.97	1.10
01	1	2766.0	15.51	0.03	0.17	11.49	1.05

STATION NO.: 214  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	2.34	0.02	0.58	11.41	0.93
01	11	10.0	2.80	0.03	0.28	11.56	0.95
01	10	20.0	4.04	0.04	0.32	12.86	1.05
01	9	30.0	5.62	0.04	0.31	13.81	1.05
01	8	50.0	6.43	0.02	0.33	10.59	0.85
01	7	100.0	7.42	0.03	0.31	6.07	0.64
01	6	150.0	11.24	0.02	0.34	6.64	0.81
01	5	200.0	12.51	0.02	0.36	5.46	0.84
01	4	500.0	13.42	0.02	0.36	6.31	0.90
01	3	1000.0	13.80	0.02	0.34	7.22	0.95
01	2	1500.0	14.63	0.02	0.33	9.29	1.01
01	1	2028.0	15.18	0.02	0.29	10.73	1.05

STATION NO.: 215  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	2.41	0.02	0.32	11.25	0.91
01	11	10.0	2.41	0.07	0.36	11.84	0.91
01	10	20.0	3.08	0.03	0.41	12.18	0.95
01	9	30.0	10.63	0.04	0.35	23.90	1.47
01	8	50.0	7.40	0.08	0.34	12.43	0.94
01	7	100.0	6.98	0.03	0.35	5.72	0.62
01	6	150.0	11.10	0.02	0.35	8.03	0.84
01	5	200.0	12.51	0.03	0.34	8.46	0.89
01	4	400.0	13.68	0.04	0.36	7.67	0.95
01	3	600.0	13.68	0.02	0.37	7.68	0.92
01	2	800.0	13.69	0.05	0.33	7.77	0.95
01	1	992.0	13.71	0.02	0.34	7.94	0.95

STATION NO.: 216  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	1.17	0.02	0.31	10.91	0.91
01	11	5.0	1.04	0.05	0.30	10.99	0.88
01	10	10.0	1.31	0.06	0.25	11.09	0.90
01	9	20.0	2.69	0.03	0.27	12.11	0.96
01	8	30.0	4.89	0.05	0.27	13.13	1.04
01	7	50.0	9.82	0.02	0.31	22.12	1.36
01	6	100.0	9.00	0.07	0.28	7.24	0.75
01	5	150.0	12.32	0.03	0.29	8.89	0.91
01	4	200.0	13.16	0.02	0.33	7.57	0.91
01	3	300.0	13.65	0.02	0.34	8.08	0.94
01	2	400.0	13.76	0.02	0.33	7.97	0.94
01	1	500.0	13.79	0.04	0.32	7.93	0.95

STATION NO.: 217  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.15	0.01	0.27	5.03	0.66
01	9	12.0	1.53	0.03	0.29	7.92	0.87
02	1	24.0	3.88	0.04	0.30	10.39	1.02
01	6	30.0	3.67	0.04	0.31	10.13	1.02
01	4	50.0	4.47	0.03	0.30	10.72	1.07
01	3	100.0	7.91	0.01	0.30	11.83	1.02
01	2	150.0	13.29	0.01	0.31	10.47	0.97
03	4	200.0	13.88	0.01	0.30	10.69	0.94
03	3	265.0	14.11	0.02	0.31	11.05	0.96
03	1	315.0	14.13	0.02	0.32	11.36	0.97

STATION NO.: 218  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.20	0.00	-	7.72	0.64
01	10	6.0	0.34	0.03	-	8.84	0.81
01	9	10.0	0.43	0.03	-	9.01	0.82
01	8	15.0	1.27	0.04	-	9.66	0.86
01	7	20.0	2.93	0.08	-	9.95	1.00
01	5	50.0	4.04	0.03	-	10.19	1.04
01	4	100.0	4.22	0.02	-	10.21	1.05
01	3	150.0	10.60	0.03	-	13.15	1.01
01	1	168.0	11.86	0.03	-	13.59	1.00

STATION NO.: 219  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
02	10	2.5	2.66	0.07	0.32	9.78	0.98
02	7	5.0	3.88	0.05	0.33	10.43	1.09
01	8	12.0	2.95	0.10	0.33	9.90	1.04
01	7	24.0	3.44	0.08	0.31	10.03	1.05
01	5	32.0	3.53	0.11	0.31	10.22	1.03
01	4	51.0	3.89	0.05	0.29	10.28	1.12
01	3	70.0	-	0.07	0.34	10.27	1.09
01	1	99.0	2.72	0.09	0.32	9.85	0.99

STATION NO.: 220  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	3.10	0.06	-	9.68	1.02
01	9	9.0	3.68	0.05	-	10.23	1.05
01	8	18.0	3.97	0.04	-	10.07	1.09
01	7	30.0	3.93	0.05	-	10.09	1.08
01	5	50.0	4.12	0.02	-	10.24	1.08
01	4	75.0	4.12	0.02	-	10.27	1.09
01	3	100.0	4.16	0.02	-	10.37	1.08
01	1	140.0	8.12	0.02	-	11.51	1.03

STATION NO.: 221

ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.7	0.09	0.01	0.29	4.52	0.69
02	7	9.0	0.29	0.02	0.31	7.36	0.79
02	5	13.0	0.93	0.03	0.32	7.53	0.84
01	8	25.0	1.75	0.04	0.33	7.22	0.91
01	6	35.0	3.32	0.08	0.30	9.28	1.02
01	4	50.0	3.73	0.07	0.31	9.74	1.03
01	3	100.0	5.91	0.01	0.36	11.44	1.07
01	1	149.0	10.00	-	0.33	11.77	0.97

STATION NO.: 222

ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.04	0.02	-	2.34	0.68
01	9	12.0	0.41	0.03	-	4.12	0.80
01	8	18.0	0.88	0.05	-	5.82	0.88
01	6	25.0	1.76	0.04	-	7.76	0.95
01	5	50.0	4.16	0.03	-	10.27	1.06
01	4	100.0	6.78	0.03	-	12.15	1.04
01	3	150.0	10.40	0.04	-	12.30	1.00
01	2	200.0	13.36	0.02	-	10.88	0.94
01	1	281.0	13.90	0.05	-	10.21	0.96

STATION NO.: 223

ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.01	0.00	0.33	2.42	0.67
02	9	6.0	0.29	0.02	0.39	3.24	0.77
02	5	12.0	0.54	0.03	0.34	4.71	0.86
01	6	24.0	3.56	0.02	0.35	9.10	1.05
01	10	30.0	3.25	0.04	0.35	8.53	1.03
01	4	50.0	3.99	0.02	0.36	9.95	1.07
01	3	100.0	6.97	0.03	0.35	12.13	1.03
01	2	150.0	12.03	0.03	0.36	11.32	0.97
01	1	280.0	13.92	0.03	0.37	10.91	0.98

STATION NO.: 224  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.16	0.02	-	3.78	0.71
01	9	10.0	0.33	0.02	-	6.10	0.83
01	6	19.0	2.73	0.03	-	9.11	0.99
01	5	50.0	4.95	0.02	-	11.13	1.07
01	4	100.0	8.79	0.01	-	11.89	1.00
01	3	150.0	12.95	0.01	-	10.91	0.97
01	2	200.0	13.67	0.02	-	10.65	0.96
01	1	252.0	13.93	0.03	-	11.33	0.99

STATION NO.: 225  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	8	5.0	0.03	0.01	-	3.10	0.78
01	6	11.0	0.00	0.01	-	2.36	0.75
01	5	15.0	0.04	0.01	-	3.00	0.73
01	3	50.0	4.23	0.03	-	10.59	1.07
01	2	100.0	11.95	0.02	-	11.75	0.99
01	1	113.0	12.89	0.01	-	10.88	0.96

STATION NO.: 226  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.07	0.01	0.28	1.53	0.68
02	9	5.8	0.05	0.01	0.35	1.96	0.71
02	3	15.3	0.17	0.02	0.34	2.63	0.81
01	9	19.0	2.06	0.03	0.34	6.59	0.94
02	2	20.0	1.14	0.02	0.37	5.24	0.91
02	1	30.0	1.50	0.04	0.35	5.63	0.91
01	4	50.0	5.61	0.05	0.32	11.31	1.08
01	3	100.0	10.63	0.03	0.31	12.94	1.03
01	2	150.0	11.47	0.03	0.34	12.17	1.01
01	1	216.0	12.07	0.02	0.31	12.10	1.00

STATION NO.: 227  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	9	2.0	0.05	0.00	-	2.06	0.62
01	8	5.6	0.35	0.01	-	3.87	0.74
01	6	10.9	0.51	0.02	-	4.46	0.77
01	5	15.4	1.37	0.03	-	6.01	0.87
01	4	20.0	1.74	0.03	-	6.24	0.89
01	2	50.0	6.80	0.02	-	11.19	1.05
01	1	83.0	9.10	0.02	-	11.86	1.04

STATION NO.: 228  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.6	0.01	0.01	-	4.60	0.72
01	8	7.0	0.05	0.01	-	3.85	0.73
01	6	13.0	0.05	0.01	-	3.76	0.74
01	3	22.0	0.73	0.02	-	4.95	0.85
01	1	53.0	5.37	0.03	-	10.87	1.05

STATION NO.: 229  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.7	2.25	0.03	0.34	10.84	0.98
02	5	7.0	2.16	0.03	0.33	11.03	0.99
02	3	13.0	2.48	0.03	0.35	11.26	1.02
02	1	21.0	2.79	0.03	0.32	11.49	1.04
01	5	27.0	3.60	0.03	0.35	11.69	1.05
01	4	40.0	4.41	0.04	0.38	12.31	1.11
01	2	50.0	5.34	0.05	0.41	12.27	1.10
01	1	57.0	5.68	0.05	0.40	12.45	1.08

STATION NO.: 231

ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	3.28	0.06	0.25	9.50	-
01	10	6.0	3.84	0.05	0.29	10.36	-
01	9	10.0	3.98	0.04	0.21	10.46	-
01	8	17.0	3.91	0.05	0.21	10.46	-
01	6	26.0	4.12	0.04	0.21	10.54	-
01	5	50.0	4.09	0.04	0.21	10.48	-
01	4	100.0	8.82	0.02	0.20	11.91	-
01	3	200.0	13.78	0.01	0.23	10.42	-
01	2	345.0	13.99	0.03	0.20	10.84	-
01	1	395.0	13.98	0.03	0.26	11.29	-

STATION NO.: 232

ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.75	0.02	0.43	4.72	0.79
01	11	4.0	0.75	0.02	0.43	4.66	0.80
01	9	10.0	1.99	0.04	0.44	7.84	0.93
01	8	14.0	3.04	0.03	0.42	9.02	1.00
01	7	27.0	4.05	0.03	0.42	10.24	1.08
01	6	36.0	4.52	0.04	0.43	10.78	1.09
01	5	50.0	4.66	0.03	0.41	10.71	1.08
01	4	100.0	11.12	0.02	0.46	11.08	0.98
01	3	150.0	13.81	0.02	0.43	10.72	0.98
01	2	182.0	14.05	0.02	0.46	11.13	0.99
01	1	231.0	13.96	0.02	0.40	11.16	0.98

STATION NO.: 234

ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	0.0	3.64	0.04	0.28	10.07	1.02
01	10	7.0	3.81	0.04	0.29	10.22	1.04
01	9	13.0	3.91	0.04	0.28	10.27	1.03
01	8	24.0	4.20	0.04	0.33	10.42	1.06
01	7	37.0	4.15	0.02	0.29	10.40	1.07
01	6	44.0	4.31	0.03	0.30	10.50	1.07
01	5	50.0	4.41	0.02	0.31	10.56	1.07
01	4	75.0	5.35	0.03	0.32	11.13	1.07
01	3	100.0	7.22	0.02	0.33	12.01	1.02
01	2	124.0	9.40	0.03	0.36	12.13	1.01
01	1	174.0	12.72	0.02	0.35	10.84	0.97



STATION NO.: 238  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	0.0	2.75	0.08	0.40	10.13	1.00
01	9	10.0	2.68	0.08	0.37	10.27	1.00
01	8	15.0	2.94	0.08	0.38	10.32	1.03
01	7	21.0	3.60	0.08	0.36	10.17	1.06
01	6	31.0	3.88	0.07	0.34	10.35	1.08
01	5	47.0	3.96	0.07	0.34	10.26	1.08
01	3	100.0	6.42	0.03	0.35	11.03	1.08
01	2	150.0	11.40	0.02	0.35	13.17	1.03
01	1	205.0	13.50	0.03	0.35	14.37	1.04

STATION NO.: 240  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.27	0.02	-	5.14	0.82
01	10	6.0	0.59	0.02	-	5.53	0.84
01	7	8.0	1.76	0.04	-	7.43	0.96
01	6	12.0	2.18	0.05	-	8.09	0.97
01	2	16.0	2.23	0.04	-	7.71	0.97
01	1	44.0	2.48	0.04	-	8.26	0.98

STATION NO.: 242  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	3.61	0.03	-	9.71	1.06
01	9	5.0	3.50	0.04	-	9.65	1.06
01	7	9.0	3.58	0.04	-	9.77	1.12
01	5	15.0	3.96	0.04	-	10.16	1.11
01	4	20.0	3.93	0.04	-	10.28	1.15
01	3	25.0	3.88	0.03	-	10.36	1.07
01	1	33.0	4.06	0.02	-	10.58	1.22

STATION NO.: 244  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	3.57	0.04	-	10.05	1.04
01	11	7.0	3.54	0.04	-	10.04	1.05
01	9	13.0	3.57	0.04	-	10.05	1.06
01	8	25.0	4.00	0.02	-	10.36	1.12
01	7	40.0	4.35	0.02	-	10.63	1.10
01	4	50.0	4.69	0.02	-	10.91	1.08
01	3	80.0	7.74	0.02	-	11.98	1.01
01	2	100.0	8.85	0.02	-	11.99	0.99
01	1	108.0	8.88	0.04	-	11.98	1.00

STATION NO.: 246  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	11	2.0	3.64	0.05	-	10.03	1.05
01	8	9.0	3.72	0.05	-	10.08	1.06
01	7	20.0	4.03	0.02	-	10.35	1.08
01	6	35.0	4.23	0.02	-	10.47	1.09
01	4	50.0	4.46	0.01	-	10.66	1.09
01	3	100.0	7.17	0.01	-	12.02	1.03
01	2	150.0	12.06	0.03	-	11.16	0.96
01	1	184.0	12.41	0.03	-	10.94	0.96

STATION NO.: 248  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	3.60	0.04	0.38	9.99	1.05
01	10	8.0	3.89	0.04	0.38	10.13	1.07
01	9	14.0	4.00	0.03	0.36	10.23	1.06
01	8	30.0	4.09	0.03	0.36	10.34	1.08
01	6	50.0	4.26	0.03	0.35	10.50	1.09
01	4	100.0	7.39	0.03	0.36	12.01	1.03
01	3	150.0	11.88	0.03	0.37	11.19	0.96
01	2	200.0	13.27	0.03	0.36	10.51	0.95
01	1	288.0	13.52	0.04	0.34	9.89	0.96

STATION NO.: 250  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	3.68	0.06	-	10.06	1.03
01	11	4.0	3.74	0.05	-	10.19	1.03
01	9	14.0	3.80	0.05	-	10.23	1.04
01	8	22.0	3.96	0.04	-	10.36	1.08
01	7	32.0	4.06	0.03	-	10.36	-
01	6	41.0	4.12	0.03	-	10.40	-
01	5	50.0	4.19	0.01	-	10.45	1.08
01	4	100.0	7.83	0.01	-	11.98	1.04
01	3	150.0	13.25	0.02	-	10.47	0.98
01	2	200.0	13.54	0.04	-	10.45	0.99
01	1	236.0	13.70	0.04	-	10.21	0.99

STATION NO.: 252  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	3.32	0.06	-	9.76	1.02
01	11	4.0	3.34	0.06	-	9.84	1.02
01	9	10.0	3.39	0.07	-	9.88	1.03
01	8	18.0	3.51	0.07	-	9.96	1.03
01	6	28.0	4.09	0.06	-	10.40	1.06
01	5	50.0	5.24	0.01	-	11.07	1.06
01	4	100.0	9.52	0.01	-	11.70	1.01
01	3	150.0	13.37	0.02	-	10.33	0.97
01	2	200.0	13.69	0.04	-	10.41	0.98
01	1	260.0	13.85	0.04	-	10.37	0.99

STATION NO.: 254  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	1.05	0.02	0.36	4.44	0.73
01	10	6.0	0.87	0.02	0.38	4.40	0.75
01	8	11.0	0.46	0.03	0.33	3.59	0.78
01	5	20.0	2.31	0.04	0.35	8.22	0.94
01	4	25.0	3.35	0.04	0.36	9.31	1.01
01	3	50.0	4.71	0.02	0.35	10.55	1.07
01	2	75.0	6.22	0.02	0.34	11.01	1.08
01	1	93.0	7.29	0.03	0.35	11.01	1.11

STATION NO.: 257  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.57	0.00	0.26	4.15	0.56
01	9	20.0	3.34	0.04	0.38	10.29	0.98
01	7	75.0	4.82	0.03	0.36	10.91	1.07
01	5	125.0	10.92	0.03	0.52	11.16	0.95
01	3	200.0	13.64	0.05	0.49	10.71	0.92
01	1	298.0	13.85	0.04	0.36	11.23	0.96

STATION NO.: 258  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.62	0.01	0.26	4.68	0.67
01	10	6.0	3.82	0.04	0.30	10.01	1.05
01	9	10.0	3.97	0.04	0.31	10.22	1.05
01	8	17.0	3.98	0.07	0.30	10.31	1.06
01	6	28.0	4.01	0.05	0.33	10.30	1.09
01	5	50.0	4.53	0.03	0.37	10.61	1.10
01	4	100.0	7.97	0.02	0.30	11.92	1.03
01	3	151.0	12.88	0.03	0.33	10.51	0.99
01	2	299.0	13.50	0.05	0.44	10.47	0.94
01	1	313.0	13.83	0.06	0.38	10.88	0.99

STATION NO.: 259  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.01	0.01	-	3.04	0.67
01	10	10.0	0.01	0.01	-	3.28	0.73
01	8	20.0	0.71	0.04	-	4.75	0.86
01	7	30.0	3.77	0.05	-	9.63	1.05
01	6	50.0	4.02	0.03	-	10.13	1.09
01	5	75.0	4.98	0.02	-	10.87	1.09
01	4	100.0	6.80	0.02	-	11.95	1.03
01	3	150.0	12.00	0.02	-	11.29	0.98
01	2	200.0	13.57	0.02	-	10.86	0.98
01	1	283.0	13.75	0.05	-	11.14	1.00

STATION NO.: 260  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.02	0.00	-	3.03	0.64
01	10	7.0	1.94	0.03	-	7.57	0.91
01	8	20.0	3.64	0.03	-	10.07	1.04
01	6	27.0	3.88	0.02	-	10.16	1.05
01	5	50.0	4.50	0.02	-	10.52	1.06
01	4	100.0	6.79	0.02	-	11.67	1.03
01	3	150.0	12.48	0.03	-	10.75	0.95
01	2	200.0	13.53	0.02	-	10.65	0.98
01	1	318.0	13.73	0.04	-	10.60	0.99

STATION NO.: 261  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.02	0.00	0.26	3.24	0.68
01	9	10.0	0.25	0.01	0.25	4.66	0.78
01	8	18.0	0.74	0.02	0.29	5.69	0.85
01	6	26.0	2.40	0.03	0.26	8.23	0.99
01	5	50.0	4.35	0.02	0.28	10.61	1.09
01	4	100.0	8.32	0.01	0.25	12.07	1.03
01	3	150.0	13.27	0.01	0.32	10.63	0.99
01	2	200.0	13.92	0.01	0.27	10.93	1.00
01	1	294.0	13.79	0.03	0.28	9.29	0.98

STATION NO.: 262  
ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.33	0.01	-	3.61	0.72
01	11	5.0	0.23	0.01	-	3.60	0.72
01	10	7.0	0.35	0.00	-	3.85	0.72
01	8	20.0	0.96	0.01	-	5.80	0.83
01	6	30.0	2.58	0.01	-	8.40	0.98
01	5	50.0	4.26	0.00	-	10.49	1.08
01	4	100.0	7.74	0.00	-	11.96	1.04
01	3	150.0	13.09	0.04	-	10.72	1.00
01	2	200.0	13.91	0.03	-	10.83	1.01
01	1	289.0	13.89	0.05	-	10.13	1.00

STATION NO.: 263  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.19	0.01	0.28	3.06	0.74
01	10	5.0	0.85	0.03	0.30	5.14	0.85
01	9	13.0	3.40	0.04	0.32	9.16	1.09
01	7	30.0	4.08	0.03	0.29	10.13	1.10
01	5	50.0	4.12	0.02	0.31	10.14	1.17
01	4	100.0	8.98	0.02	0.30	11.72	1.08
01	3	150.0	13.61	0.02	0.31	10.77	1.15
01	2	200.0	13.85	0.02	0.33	9.76	1.22
01	1	300.0	13.68	0.02	0.30	8.31	1.01

STATION NO.: 264  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	1.7	0.00	0.01	-	2.35	0.68
01	10	8.0	0.05	0.02	-	2.72	0.75
01	9	17.0	0.96	0.03	-	5.37	0.89
01	8	24.0	2.25	0.04	-	7.32	0.97
01	6	30.0	3.14	0.04	-	8.65	1.01
01	5	50.0	4.25	0.03	-	10.47	1.09
01	4	100.0	8.59	0.02	-	11.51	1.02
01	3	150.0	12.58	0.02	-	11.72	0.99
01	2	200.0	13.68	0.02	-	10.18	0.99
01	1	298.0	13.70	0.02	-	7.96	0.96

STATION NO.: 265  
 ARK IX/3 25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.02	0.02	0.27	2.49	0.66
01	10	10.0	0.04	0.01	0.28	2.93	0.76
01	8	22.0	1.13	0.04	0.36	5.46	0.94
01	6	36.0	3.49	0.07	0.38	8.94	1.14
01	5	50.0	4.28	0.05	0.33	10.29	1.16
01	4	100.0	7.50	0.02	0.31	10.96	1.06
01	3	150.0	7.04	0.02	0.30	5.81	0.65
01	2	200.0	8.70	0.03	0.31	5.12	0.71
01	1	300.0	13.60	0.02	0.33	9.25	0.99

STATION NO.: 266  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.04	0.01	0.32	2.60	0.65
01	10	7.0	0.09	0.01	0.32	2.57	0.75
01	9	16.0	0.82	0.02	0.34	4.69	0.90
01	7	25.0	2.84	0.03	0.33	8.21	1.02
01	6	50.0	4.68	0.02	0.31	10.61	1.10
01	5	90.0	7.41	0.02	0.34	8.86	0.84
01	4	150.0	8.22	0.02	0.33	5.55	0.70
01	2	200.0	11.44	0.01	0.32	7.75	0.86
01	3	247.0	12.63	0.02	0.31	7.01	0.90
01	1	386.0	13.82	0.02	0.31	8.17	0.98

STATION NO.: 267  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.13	0.00	-	2.77	0.66
01	11	10.0	2.99	0.04	-	8.39	0.78
01	10	20.0	5.64	0.05	-	9.91	0.79
01	9	30.0	6.51	0.04	-	8.60	0.74
01	8	50.0	7.26	0.04	-	6.28	0.66
01	7	75.0	8.37	0.04	-	5.57	0.67
01	6	100.0	9.72	0.02	-	5.94	0.74
01	5	200.0	12.81	0.02	-	6.36	0.88
01	4	400.0	13.61	0.02	-	7.61	0.93
01	3	600.0	13.69	0.02	-	7.49	0.95
01	2	800.0	13.56	0.02	-	7.23	0.95
01	1	1058.0	14.01	0.01	-	8.60	0.99

STATION NO.: 272  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.00	0.01	0.42	2.41	0.69
01	10	10.0	0.04	0.02	0.44	2.41	0.74
01	9	15.0	0.55	0.04	0.51	3.88	0.84
01	8	20.0	1.03	0.04	0.58	5.02	0.90
01	7	30.0	3.68	0.07	0.54	9.88	1.08
01	6	50.0	4.19	0.04	0.48	10.52	1.11
01	5	100.0	6.44	0.03	0.49	11.68	1.06
01	4	150.0	9.97	0.03	0.50	9.03	0.88
01	3	200.0	12.46	0.03	0.50	11.10	0.98
01	2	300.0	13.68	0.02	0.52	12.92	1.02
01	1	407.0	14.08	0.02	0.53	15.54	1.06

STATION NO.: 273  
ARK IX/3

25.6. - 4.8.1993

CAST No	BOTTLE No	DEPTH m	NO3 umol	NO2 umol	NH4 umol	Si umol	PO4 umol
01	12	2.0	0.12	0.02	0.46	3.38	0.76
01	10	10.0	0.04	0.02	0.51	3.30	0.76
01	8	20.0	2.76	0.08	0.66	8.64	1.03
01	6	30.0	3.27	0.08	0.55	9.04	1.06
01	5	50.0	4.27	0.05	0.50	10.59	1.10
01	4	75.0	4.88	0.02	0.53	11.07	1.10
01	3	100.0	7.66	0.03	0.59	11.54	1.00
01	2	150.0	10.70	0.03	0.55	10.10	0.91
01	1	160.0	10.84	0.03	0.51	10.16	0.91



#### 4 Pigments concentrations in the water column

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Legend to table

Station: Station number. Missing stations were either not sampled or showed errors due to the equipment or to manipulations.

Depth: Depth of sampling from the surface in meters.

Chla GF/F: Measured concentrations of Chlorophyll *a* pigments retained on a Whatman GF/F filter. In micrograms per liter.

Phaeopig. GF/F: Measured concentrations of Phaeopigments retained on a Whatman GF/F filter. In micrograms per liter.

Chla Poretic 5 $\mu$ : Measured concentrations of Chlorophyll *a* pigments retained on a Poretic 5 microns pore size filter. In micrograms per liter.

Phaeopig. Poretic 5 $\mu$ : Measured concentrations of Phaeopigments retained on a Poretic 5 microns pore size filter. In micrograms per liter.

Chla Nitex 20 $\mu$ : Measured concentrations of Chlorophyll *a* pigments retained on a Nitex 20 microns pore size filter. In micrograms per liter.

Phaeopig. Nitex 20 $\mu$ : Measured concentrations of Phaeopigments retained on a Nitex 20 microns pore size filter. In micrograms per liter.

#### Notes:

1. Calibration equations for the Turner fluorometer used on RV "Polarstern" is available. Please communicate with Stéphane Pesant.
2. Negative concentrations of phaeopigments are reported in this table. Their correction is left to your discretion.
3. Blanks in this table represent absence of data and "0.000" represent measured values inferior to 0.000.

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
002	0	0.005	0.023	0.003	0.007		
	3	0.279	0.039	0.277	-0.098		
	10.2	0.037	0.041	0.014	0.030		
	16	0.051	0.056	0.067	-0.020		
	27	0.215	0.032	0.108	-0.012		
	50	0.371	0.009	0.281	-0.075		
	75	0.317	0.087	0.241	-0.039		
	102	0.234	0.154	0.253	-0.091		
	150	0.305	0.078	0.249	-0.105		
	200	0.321	0.044	0.264	-0.094		
	500	0.318	0.044	0.257	-0.087		
016	1.6	0.010	0.018				
	4.1	0.024	0.014				
	5.9	0.011	0.001				
	12.2	0.000	0.000				
	22.8	0.002	0.017				
	38	0.000	0.000				
	58	0.009	0.005				
	100	0.002	0.004				
	150	0.002	-0.002				
	200	0.001	0.000				
293	0.001	-0.001					
017	0	0.143	-0.093	0.092	-0.034		
	6.4	0.118	-0.080	0.082	-0.034		
	10	0.101	-0.078	0.072	-0.029		
	14	0.086	-0.034	0.054	-0.012		
	16.2	0.054	-0.020	0.050	-0.021		
	26	0.028	-0.014	0.020	-0.003		
	41	0.004	0.003	0.002	0.011		
	63	0.005	0.009	0.005	0.000		
	100	0.009	0.011	0.010	-0.006		
	116	0.123	-0.043	0.095	-0.057		
020	2	0.016	0.030	0.021	-0.002		
	6	0.026	0.020	0.022	0.002		
	10.6	0.026	0.025	0.024	0.000		
	15.8	0.030	0.021	0.021	-0.001		
	27.3	0.019	0.012	0.019	-0.001		
	52.7	0.011	0.011	0.005	0.000		
	75	0.004	0.012	0.002	0.011		
	100	0.003	0.013	0.005	0.001		
	150	-0.001	0.011	0.005	0.001		
	218.9	0.005	0.007	0.002	-0.001		

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5µm (µg/l)	Phaeo Poretic 5µm (µg/l)	Chl a Nitex 20µm (µg/l)	Phaeo Nitex 20µm (µg/l)
021	1.7	0.041	0.025	0.020	0.004		
	4	0.040	0.034	0.034	0.002		
	8	0.037	0.024	0.034	0.003		
	14	0.034	0.030	0.029	0.007		
	25.4	0.029	0.023	0.024	0.008		
	45	0.016	0.016	0.010	0.013		
	62	0.006	0.033	0.022	0.002		
	100	0.004	0.011	0.000	0.007		
	150	0.000	0.010	0.001	0.005		
	200	0.001	0.011	0.002	0.004		
	299	0.002	0.009	0.003	0.000		
022	1.9	0.111	0.046	0.055	0.036		
	4	0.075	0.032	0.061	0.014		
	8	0.065	0.012	0.037	0.033		
	17	0.050	0.028	0.034	0.016		
	30	0.063	0.017	0.045	0.015		
	41	0.030	0.015	0.017	0.037		
	100	0.007	0.015	-0.005	0.025		
	150	-0.001	0.014	0.000	0.009		
	200	0.000	0.010	-0.010	0.027		
	251	0.004	0.007	0.003	0.011		
023	3.2	0.126	-0.003	0.102	0.025		
	5	0.099	0.014	0.085	0.028		
	10	0.092	0.013	0.083	0.029		
	15	0.088	0.008	0.082	0.001		
	20	0.046	0.042	0.074	0.000		
	30	0.000	0.013	0.002	0.008		
	100	0.002	0.011	0.002	0.008		
	150	0.004	0.011	0.005	0.005		
	198	0.001	0.013	0.005	0.005		
024	1.8	0.192	0.037	0.226	-0.002		
	6	0.279	0.033	0.241	0.002		
	8.4	0.166	0.050	0.152	0.041		
	12	0.210	0.043	0.180	-0.016		
	19.5	0.183	0.048	0.184	-0.004		
	25	0.258	0.021	0.175	0.028		
	76	0.247	0.018	0.201	0.013		

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5µm (µg/l)	Phaeo Poretic 5µm (µg/l)	Chl a Nitex 20µm (µg/l)	Phaeo Nitex 20µm (µg/l)
026	1.6	0.070	0.003	0.052	-0.002		
	8	0.078	0.003	0.104	-0.042		
	8.8	0.134	-0.011	0.076	-0.003		
	10.2	0.067	0.007	0.075	-0.009		
	13.4	0.102	0.017	0.049	-0.001		
	26.4	0.032	0.013	0.037	0.003		
	37	0.029	0.014	0.028	-0.001		
	100	0.020	0.000	0.007	0.001		
	150	0.013	0.006	0.014	-0.001		
	200	0.052	-0.017	0.020	0.000		
	251	0.155	-0.008	0.139	-0.013		
	027	1.7	0.140	-0.034	0.052	-0.002	
6		0.158	-0.042	0.104	-0.042		
7		0.297	-0.117	0.076	-0.003		
12.8		0.120	0.001	0.075	-0.009		
17.7		0.134	-0.014	0.049	-0.001		
25		0.094	-0.017	0.037	0.003		
28		0.049	0.009	0.028	-0.001		
100		0.030	-0.002	0.007	0.001		
150		0.012	0.007	0.014	-0.001		
200		0.004	0.005	0.020	0.000		
279		0.006	0.006	0.139	-0.013		
028		1.8	0.123	-0.038	0.095	0.006	
	3.5	0.161	-0.041	0.140	-0.018		
	6	0.191	-0.071	0.124	-0.014		
	11	0.148	-0.024	0.113	0.002		
	20	0.136	-0.053	0.087	0.019		
	36	0.130	-0.030	0.116	0.001		
	46	0.124	-0.037	0.093	-0.007		
	100	0.008	0.005	0.011	0.008		
	150	0.008	0.005	0.007	0.001		
	200	0.007	0.003	0.017	-0.007		
	319	0.014	0.002	0.010	0.001		

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
029	1.5	0.016	0.114	0.012	0.005		
	3	0.046	0.006	0.058	-0.002		
	6	0.050	0.009	0.034	0.007		
	11	0.042	0.005	0.037	0.005		
	21	0.032	0.023	0.027	0.012		
	31	0.014	0.018	0.011	0.011		
	35	0.015	0.015	0.012	0.005		
	100	0.021	0.016	0.013	0.003		
	150	0.004	0.013	0.005	0.006		
	200	0.004	0.011	0.009	0.005		
	227	0.012	0.019	0.010	0.011		
030	1.7	0.175	-0.075	0.064	-0.037		
	5.3	0.123	-0.062	0.065	-0.036		
	8.1	0.107	-0.032	0.058	-0.022		
	13.8	0.140	-0.055	0.128	-0.032		
	23	0.126	-0.062	0.062	-0.033		
	35	0.009	0.076	0.046	-0.011		
032	5	0.621	0.009	0.501	-0.020		
	10	0.636	0.000	0.536	-0.018		
	15	0.633	0.044	0.436	0.035		
	25	0.278	0.050	0.248	0.044		
	35	0.187	0.025	0.134	0.040		
	50	0.111	0.022	0.090	0.026		
	75	0.065	0.007	0.037	0.010		
	100	0.155	0.025	0.097	0.004		
	150	0.040	0.024	0.030	0.007		
	200	0.067	0.011	0.046	0.019		
235	0.109	0.007	0.024	0.021			
033	1.9	0.093	0.002	0.027	0.014		
	4	0.104	-0.008	0.027	0.000		
	7.2	0.120	0.010	0.035	0.000		
	10	0.115	0.009	0.029	0.004		
	20	0.141	0.003	0.054	-0.005		
	30	0.163	-0.009	0.065	-0.005		
	35	0.139	0.006	0.069	0.003		
	44	0.134	0.012	0.039	0.005		

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
034	2	0.333	-0.093	0.067	-0.002		
	5	0.275	-0.069	0.061	0.003		
	11	0.338	-0.064	0.069	0.000		
	15	0.342	-0.093	0.080	-0.006		
	25	0.341	-0.075	0.082	0.017		
	35	0.336	-0.086	0.092	0.016		
	43	0.273	-0.048	0.059	0.009		
035	1.7	0.112	0.020	0.026	-0.002		
	5	0.138	-0.019	0.043	-0.001		
	10	0.178	-0.016	0.023	0.019		
	15	0.146	0.011	0.033	-0.002		
	25	0.256	-0.016	0.033	0.001		
	35	0.163	-0.016	0.025	0.004		
	43	0.149	-0.005	0.027	0.004		
63	0.129	-0.027	0.014	0.018			
036	1.5	0.067	0.014	0.017	0.002		
	4	0.079	0.006	0.020	0.007		
	7	0.051	0.064	0.023	-0.003		
	12	0.120	-0.002	0.034	-0.011		
	21	0.102	0.010	0.029	-0.003		
	32.4	0.090	-0.014	0.020	0.000		
35	0.129	-0.016	0.032	-0.014			
037	1.5	0.086	0.013	0.088	0.002		
	5	0.097	0.020	0.100	-0.026		
	10	0.093	0.014	0.027	0.004		
	15	0.093	0.024	0.025	0.014		
	23	0.118	0.003	0.035	0.010		
	25	0.134	0.023	0.039	0.000		
	29	0.099	0.023	0.037	0.004		
038	1.5	0.319	-0.024	0.198	-0.045		
	3.2	0.446	0.038	0.198	-0.045		
	5.6	0.543	-0.046	0.227	0.019		
	10	0.479	0.028	0.285	0.061		
	16.9	0.549	0.013	0.339	0.052		
	25.7	0.666	0.010	0.476	0.025		
	30	0.616	-0.035	0.622	0.089		
	37	0.434	0.028	0.233	0.065		

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
041	1.5	0.648	0.270	0.166	0.059		
	2.3	0.785	0.106	0.182	0.042		
	4	0.731	0.206	0.192	0.052		
	7.2	0.877	0.144	0.231	0.001		
	13	0.842	0.122	0.196	0.061		
	19.5	0.785	0.241	0.233	0.028		
	24	0.606	0.264	0.245	0.063		
	50	0.066	0.052	0.138	0.049		
	75	0.168	0.075	0.113	0.015		
	100	0.047	0.032	0.053	0.018		
	153	0.089	0.042	0.173	-0.020		
042	1.700	0.061	0.006	0.013	0.009		
	5.500	0.071	0.001	0.024	0.003		
	8.300	0.065	0.005	0.003	0.019		
	13.500	0.025	-0.001	0.016	0.006		
	22.000	0.097	-0.037	0.017	0.004		
	25.500	0.001	0.003	0.000	0.005		
	29.000	0.088	-0.002	0.032	0.008		
	34.700	0.082	0.026	0.019	0.016		
	39.300	-0.005	0.010	-0.002	0.007		
	50.000	0.001	0.002	-0.002	0.008		
043	1.8	0.189	0.101	0.021	0.018		
	7.8	0.123	0.059	0.050	0.013		
	12.3	0.105	0.079	0.024	0.020		
	15.8	0.131	0.065	0.026	0.017		
	26	0.126	0.032	0.036	0.019		
	40	0.134	0.023	0.036	0.014		
045	1.6	0.128	-0.030	0.042	0.006		
	4.5	0.082	0.027	0.062	0.007		
	8	0.082	0.017	0.045	0.009		
	13.5	0.136	0.009	0.065	0.009		
	21	0.241	0.031	0.237	-0.036		
	35	0.552	-0.142	0.394	-0.051		
	38	0.292	0.068	0.292	-0.024		
	60	0.319	0.032	0.310	0.016		

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5µm (µg/l)	Phaeo Poretic 5µm (µg/l)	Chl a Nitex 20µm (µg/l)	Phaeo Nitex 20µm (µg/l)
046	1.2	0.150	0.052	0.094	0.038		
	5.6	0.084	0.076	0.050	0.029		
	8.5	0.109	0.055	0.041	0.046		
	14.8	0.120	0.083	0.086	0.022		
	25	0.132	0.114	0.081	0.081		
	32.8	0.860	0.050	0.484	0.060		
	36	0.639	0.195	0.525	0.104		
	50	0.349	0.183	0.409	0.150		
	75	0.588	0.157	0.376	0.138		
	94	0.185	0.146	0.242	0.053		
048	1	0.165	0.041	0.216	0.067		
	5	0.289	-0.087	0.177	0.034		
	10	0.131	0.052	0.112	0.060		
	15	0.104	0.057	0.120	0.051		
	25	0.056	0.034	0.056	0.025		
	35	0.042	0.037	0.037	0.016		
	40	0.032	0.020	0.017	0.039		
	50	0.024	0.028	0.031	0.017		
	74	0.016	0.019	0.026	0.017		
	100	0.026	0.014	0.030	0.016		
	119	0.043	0.030	0.063	0.034		
049	1.7	0.901	-0.237	0.469	-0.050		
	5	0.704	-0.185	0.433	-0.059		
	0						
	10	0.570	-0.135	0.239	-0.050		
	15	0.355	-0.021	0.319	-0.061		
	25	0.254	-0.035	0.212	-0.035		
	35	0.097	0.019	0.068	0.035		
	50	0.070	0.017	0.056	0.009		
	75	0.012	0.039	0.020	0.010		
	100	0.047	0.012	0.029	0.012		
132	0.064	0.027	0.057	0.021			



Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5µm (µg/l)	Phaeo Poretic 5µm (µg/l)	Chl a Nitex 20µm (µg/l)	Phaeo Nitex 20µm (µg/l)
051	1	0.165	0.041	0.216	0.067		
	5	0.289	-0.087	0.177	0.034		
	10	0.131	0.052	0.112	0.060		
	15	0.104	0.057	0.120	0.051		
	25	0.056	0.034	0.056	0.025		
	35	0.042	0.037	0.037	0.016		
	40	0.032	0.020	0.017	0.039		
	50	0.024	0.028	0.031	0.017		
	74	0.016	0.019	0.026	0.017		
	100	0.026	0.014	0.030	0.016		
	119	0.043	0.030	0.063	0.034		
052	1.8	0.552	-0.015	0.257	-0.045		
	3.6	0.319	0.140	0.196	0.005		
	8.4	0.397	0.030	0.231	-0.020		
	13.2	0.489	0.046	0.278	-0.012		
	18.2	0.454	0.055	0.352	-0.062		
	28.3	0.481	0.081	0.612	-0.086		
	37.5	0.352	0.017	0.361	-0.046		
	49	0.207	0.027	0.204	-0.014		
	99.7	0.067	0.015	0.082	0.012		
	149.7	0.037	0.034	0.065	0.010		
	156.7	0.058	0.014	0.044	0.002		
053	1.5	1.236	-0.348	0.913	-0.019		
	3	1.185	-0.086	0.788	0.046		
	5.5	1.233	-0.155	0.880	0.012		
	8.8	0.944	0.231	0.719	0.065		
	14	0.860	0.027	0.976	0.008		
	24	0.946	-0.058	0.624	0.103		
	31	0.698	-0.030	0.743	-0.007		
	50	0.621	-0.051	0.713	0.038		
	75	0.225	-0.042	0.138	0.023		
	100	0.128	-0.002	0.101	0.017		
	146	0.097	-0.013	0.214	-0.004		

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
054	1.7	1.493	-0.133	1.241	0.107		
	2.2	1.365	-0.093	1.565	-0.381		
	3	1.503	0.733	1.247	0.813		
	6.3	1.295	0.813	1.023	1.021		
	12.5	1.461	0.031	0.992	0.155		
	28	0.660	0.179	0.922	-0.097		
	50	0.076	0.004	0.156	0.033		
	75	0.087	0.025	0.068	0.033		
	100	0.008	0.014	0.041	-0.002		
	150	0.567	-0.038	0.067	-0.009		
	205	0.000	0.000	0.322	0.086		
055	1.7	0.469	0.062	0.267	-0.013	0.080	0.000
	4.6	0.648	0.034	0.297	0.071	0.116	0.017
	7.4	0.485	0.100	0.197	0.092	0.079	0.034
	11.1	0.715	0.032	0.407	0.009	0.141	0.016
	17.3	0.916	-0.009	0.521	-0.046	0.205	0.002
	24	0.619	0.068	0.369	0.040	0.210	0.024
	28	0.309	0.016	0.221	-0.001	0.137	-0.005
	50	0.053	0.036	0.061	0.027	0.040	0.002
	100	0.118	0.109	0.034	0.004	0.039	0.003
	150	0.043	0.001	0.032	0.014	0.017	-0.005
	196	0.056	0.008	0.067	-0.004	0.035	-0.006
057	1.8	0.048	0.015	0.033	0.008		
	5	0.035	0.006	0.034	-0.003		
	9.9	0.119	0.043	0.098	0.034		
	14.4	0.332	-0.002	0.265	-0.051		
	24.9	0.489	-0.178	0.257	0.002		
	34.4	0.210	0.012	0.340	0.057		
	50.9	0.573	0.046	0.478	0.035		
	74.8	0.839	-0.134	0.642	0.001		
	99.8	0.692	0.004	0.719	-0.110		
	140	0.618	0.112	0.830	-0.078		
058	1.7	0.199	0.005	0.185	0.023		
	4.4	0.161	-0.012	0.102	0.028		
	7.4	0.069	0.038	0.085	0.020		
	11.7	0.056	0.007	0.060	0.040		
	21.5	0.069	0.046	0.071	0.001		
	31.1	0.072	0.004	0.052	0.005		
	44.3	0.049	-0.011	0.054	-0.003		
	75	0.061	0.037	0.111	0.006		

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
059	1.6	0.178	-0.003	0.169	0.016		
	3.8	0.137	0.028	0.117	0.023		
	8.5	0.239	0.000	0.222	-0.005		
	14	0.168	-0.021	0.100	0.025		
	24.5	0.085	0.030	0.142	-0.008		
	38.7	0.072	0.017	0.046	0.037		
	43	0.051	0.006	0.105	-0.046		
	100	0.026	-0.004	0.018	-0.011		
	150	0.013	0.000	0.013	-0.009		
	280	0.010	0.001	0.013	-0.006		
	312	0.023	-0.007	0.018	-0.007		
060	0	1.048	-0.135	0.780	0.065	0.912	-0.019
	3	0.537	-0.005	0.606	0.061	0.579	0.044
	7	0.506	0.032	0.574	0.175	0.659	0.008
	15	0.515	0.042	0.742	0.063	0.626	0.013
	25	0.167	0.072	0.290	0.024	0.516	0.003
062	1.4	0.749	-0.135	0.567	-0.086		
	4.6	1.063	-0.180	0.937	-0.170		
	7.2	1.122	-0.115	1.057	-0.189		
	11.5	0.402	-0.044	0.298	-0.054		
	23	0.296	-0.045	0.224	-0.026		
	35.7	0.076	-0.008	0.056	0.002		
	45	0.033	0.005	0.042	-0.001		
	50	0.077	0.011	0.091	-0.006		
	75	0.015	0.010	0.011	0.005		
	100	0.025	-0.002	0.014	0.002		
155	0.017	0.003	0.019	0.001			
064	1.6	0.026	0.007	0.048	0.012		
	4.5	0.020	0.015	0.015	0.011		
	7.7	0.027	0.009	0.032	0.007		
	13.8	0.046	-0.004	0.034	0.008		
	24.1	0.023	0.023	0.033	0.011		
	37.9	0.025	0.017	0.024	0.008		
	45.2	0.070	-0.019	0.060	-0.004		
	99.2	0.291	0.017	0.072	0.000		
	200	0.309	0.008	0.284	-0.049		
	400	0.313	0.914	1.021	-0.131		

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5µm (µg/l)	Phaeo Poretic 5µm (µg/l)	Chl a Nitex 20µm (µg/l)	Phaeo Nitex 20µm (µg/l)
066	1.8	0.039	0.016	0.031	0.000		
	2.8	0.040	0.011	0.023	0.004		
	5.2	0.026	0.014	0.014	0.016		
	10.2	0.084	0.001	0.048	0.000		
	20.2	0.029	0.002	0.009	0.005		
	34.3	0.014	0.008	0.006	0.004		
	39	0.016	0.006	0.007	0.007		
	50	0.010	0.006	0.005	0.010		
	100	0.005	0.011	0.003	0.010		
	150	0.013	0.007	0.011	0.006		
187	0.016	0.006	0.016	0.005			
072	1.8	0.016	0.005	0.012	-0.003		
	5.6	0.014	0.006	0.013	-0.005		
	9.5	0.025	0.000	0.004	-0.002		
	15.2	0.019	0.004	0.004	0.000		
	25.7	0.021	0.005	0.005	0.000		
	51.6	0.015	0.007	0.004	-0.001		
	58.5	0.012	0.002	0.004	-0.001		
	99.7	0.003	0.012	0.003	-0.001		
	149.8	0.002	0.007	0.003	-0.002		
	184.2	0.001	0.003	0.002	-0.001		
		0.000	0.000	0.000	0.000		
		0.000	0.000	0.000	0.000		
074	1.5	0.163	-0.124	0.531	-0.353		
	4	0.022	0.026	0.045	0.003		
	7.5	0.185	-0.024	0.107	0.013		
	12.7	0.037	0.003	0.022	0.002		
	20.7	0.012	0.015	0.010	0.006		
	36.6	0.014	0.014	0.006	0.005		
	45	0.020	0.008	0.008	0.004		
	50	0.021	0.003	0.007	0.005		
	100	0.016	0.002	0.006	0.005		
	150	0.022	0.007	0.005	0.005		
200	0.011	0.001	0.003	0.006			
245	0.004	0.007	0.006	0.007			

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
076	1.6	0.692	-0.589	0.543	-0.177		
	7.7	0.418	-0.247	0.337	-0.040		
	10.5	0.422	-0.212	0.339	-0.081		
	12	0.431	-0.254	0.313	-0.088		
	16	0.314	-0.215	0.219	-0.053		
	24.5	0.088	-0.045	0.091	-0.023		
	32.7	0.068	-0.033	0.075	-0.009		
	39.5	0.062	-0.034	0.037	-0.004		
	50	0.022	-0.005	0.043	-0.005		
	100	0.022	-0.004	0.040	-0.013		
	114	0.106	-0.036	0.303	-0.071		
		0.088	-0.017	0.304	-0.063		
081	2.1	0.114	-0.012	0.023	0.005		
	3.2	0.141	0.000	0.160	-0.035		
	8.7	0.075	-0.006	0.035	0.010		
	10.4	0.090	0.028	0.095	-0.005		
	20.5	0.078	0.046	0.087	-0.007		
	35.2	0.086	-0.002	0.121	-0.019		
	51	0.078	0.012	0.064	0.009		
	73.8	0.116	-0.014	0.108	0.059		
082	1.8	0.054	0.058	0.026	0.012		
	4.3	0.061	0.049	0.023	0.013		
	7.4	0.069	0.037	0.024	0.014		
	13.1	0.111	0.031	0.022	-0.009		
	22.6	0.262	0.067	0.023	-0.011		
	28.6	0.129	0.042	0.025	0.000		
	36.3	0.153	0.048	0.025	-0.008		
	43	0.092	0.038	0.019	-0.001		
084	1.7	0.073	0.034	0.041	0.046		
	9.6	0.080	0.011	0.033	0.011		
	13.5	0.078	0.016	0.008	0.014		
	18.3	0.060	0.056	0.026	0.004		
	26.5	0.079	0.025	0.016	0.014		
	32.4	0.045	0.074	0.029	0.010		
	34.4	0.065	0.052	0.027	0.021		
	41	0.072	0.027	0.033	0.005		

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
085	1.9	0.107	0.061	0.072	0.001		
	4.4	0.098	0.069	0.057	0.013		
	6.9	0.100	0.060	0.042	0.008		
	12.9	0.150	0.063	0.131	0.039		
	24.2	0.136	0.041	0.045	0.058		
	35.7	0.385	0.147	0.337	0.092		
	46	0.482	0.075	0.330	0.105		
	58	0.398	0.068	0.282	0.080		
	100	0.028	0.014	0.027	0.011		
	200	0.005	0.007	0.010	0.002		
	257	0.020	0.017	0.014	0.009		
			0.149	0.039	0.075	0.036	
086	1.9	0.078	0.054	0.023	0.023		
	3.5	0.039	0.069	0.024	0.016		
	6.9	0.062	0.075	0.027	0.014		
	12.6	0.067	0.064	0.022	0.013		
	20	0.117	0.054	0.052	0.035		
	32.6	0.113	0.066	0.046	0.056		
087	1.9	0.382	0.116	0.155	0.020		
	4	0.292	0.139	0.124	0.027		
	6.2	0.343	0.100	0.130	0.015		
	11	0.272	0.130	0.093	0.032		
	16.5	0.352	0.114	0.167	0.015		
	20	0.292	0.152	0.134	0.010		
	43.5	0.355	0.118	0.195	-0.020		
088	1.5	1.461	0.426	0.988	0.271		
	2.5	1.405	0.350	0.792	0.231		
	4.5	1.521	0.382	1.044	0.195		
	5.6	1.224	0.371	0.828	0.263		
	12.4	1.204	0.383	0.976	0.219		
	17	1.321	0.390	0.952	0.275		
	22	0.796	0.319	0.500	0.243		
	35	0.780	0.463	0.660	0.279		
	50	0.212	0.144	0.168	0.051		
	57	0.211	0.131	0.191	0.031		

Sta	Depth	Chl a GF/F	Phaeo GF/F	Chl a Poretic 5um	Phaeo Poretic 5um	Chl a Nitex 20um	Phaeo Nitex 20um
	(m)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
089	1.5	0.834	0.079	0.629	-0.080		
	3.5	0.675	-0.035	0.420	-0.004		
	7.8	0.492	0.068	0.314	0.014		
	11.1	0.892	0.827	1.064	-0.207		
	15.5	1.317	0.177	0.678	0.191		
	20.5	0.482	0.131	0.428	0.010		
	24.2	0.348	0.070	0.242	0.057		
	30.5	0.358	0.087	0.327	0.065		
	43	0.511	0.103	0.434	0.068		
	97.5	0.069	0.106	0.115	0.074		
90	1.7	1.729	0.026	1.289	-0.097		
	2.8	2.005	-0.018	1.585	0.142		
	5	1.208	0.119	1.016	0.019		
	9	1.902	0.557	1.881	-0.046		
	15	2.685	0.029	2.286	0.525		
	20	1.806	1.100	1.742	1.515		
	24.5	1.822	0.876	1.598	0.925		
	50	3.277	1.657	0.358	0.035		
091	1.7	2.861	0.380	2.382	0.541		
	4.5	2.717	0.412	2.398	0.812		
	7.5	2.733	0.444	2.398	-0.082		
	12.6	2.062	1.148	2.222	0.253		
	20	2.206	1.116	1.870	1.180		
	50	3.261	0.045	2.414	0.908		
	75	0.291	0.116	0.337	0.115		
	100	0.032	0.031	0.066	0.022		
	147	0.040	0.034	0.073	0.023		
	200	0.024	0.035	0.065	0.015		
270	0.019	0.028	0.065	0.026			
093	1.5	1.021	-0.324	0.973	-0.218		
	3.6	0.782	-0.205	0.713	-0.148		
	6.6	0.916	-0.229	0.803	-0.157		
	9.8	0.785	-0.207	0.740	-0.183		
	11.5	0.672	-0.202	0.663	-0.074		
	20.4	0.773	-0.139	0.448	-0.001		
	35.8	0.217	-0.007	0.109	-0.002		
	41	0.120	-0.004	0.093	0.036		
	99.5	0.027	0.043	0.030	0.021		
	150	0.020	0.012	0.041	0.000		
227.4	0.064	0.010	0.049	-0.002			

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5µm (µg/l)	Phaeo Poretic 5µm (µg/l)	Chl a Nitex 20µm (µg/l)	Phaeo Nitex 20µm (µg/l)
095	1.9	0.068	0.004	0.072	0.002		
	5.1	0.053	0.014	0.083	0.002		
	8.4	0.067	0.011	0.060	0.010		
	15	0.046	0.005	0.025	0.006		
	26	0.008	0.002	0.022	0.005		
	40.6	0.015	0.005	0.016	0.006		
	49.5	0.016	0.009	0.087	0.004		
	100	0.005	0.006	0.008	0.003		
	199.5	0.005	0.004	0.010	0.005		
		0.000	0.000	0.000	0.000		
	0.000	0.000	0.000	0.000			
	0.000	0.000	0.000	0.000			
099	1.6	0.001	0.005	0.006	0.004		
	3.7	0.189	-0.012	0.069	-0.006		
	7.6	0.092	0.028	0.048	-0.001		
	12.9	0.088	0.022	0.027	-0.003		
	22.7	0.068	0.005	0.026	0.000		
	39	0.042	0.007	0.007	0.004		
	53.2	0.028	0.009	0.014	0.002		
	99.8	0.024	0.005	0.018	0.002		
	149.2	0.036	0.007	0.035	-0.003		
	199.2	0.004	0.007	0.005	0.004		
250	0.001	0.006	0.005	0.002			
	0.079	-0.012	0.035	-0.001			
100	1.95	0.125	0.012	0.035	0.004		
	6.5	0.098	0.005	0.041	-0.002		
	10.55	0.113	0.004	0.035	0.000		
	12.45	0.094	0.015	0.026	0.002		
	27.49	0.089	0.008	0.019	0.003		
	38	0.050	0.000	0.012	0.001		
	48	0.023	0.010	0.010	-0.001		
	100	0.013	0.004	0.005	-0.002		
	150	0.015	0.002	0.006	-0.003		
	200	0.003	0.005	0.002	0.001		
409.4	0.005	0.000	0.005	0.001			



Sta	Depth	Chl a	Phaeo	Chl a	Phaeo	Chl a	Phaeo
	(m)	GF/F	GF/F	Poretic 5um	Poretic 5um	Nitex 20um	Nitex 20um
		(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
101	1.8	0.096	0.019	0.018	0.004		
	4.5	0.094	0.028	0.017	0.006		
	7.7	0.071	0.059	0.021	0.024		
	13.3	0.065	0.061	0.021	0.010		
	23.8	0.032	0.017	0.008	0.005		
	36.8	0.024	0.018	0.008	0.009		
	47.8	0.002	0.016	0.006	0.006		
	75	0.000	0.008	0.001	0.003		
	99.8	0.002	0.012	0.000	0.000		
	150	0.079	0.012	0.022	0.000		
	180.7	0.000	0.000	0.000	0.000		
103	1.7	0.152	0.002	0.046	0.002		
	3.3	0.161	0.002	0.042	0.001		
	6.2	0.132	0.001	0.031	0.002		
	10.5	0.187	-0.007	0.043	0.000		
	20.2	0.160	0.003	0.043	0.000		
	28.4	0.119	0.003	0.028	0.004		
	32.3	0.059	0.003	0.035	0.006		
	50	0.117	0.006	0.023	0.001		
	100	0.054	-0.007	0.015	0.002		
	150	0.004	0.004	0.000	0.007		
	200	0.009	0.015	0.004	0.003		
	304	0.008	0.009	0.002	0.006		
104	1.2	0.224	-0.098	0.038	-0.024		
	15	0.000	0.139	0.024	-0.011		
	35	0.227	-0.069	0.021	-0.004		
	55	0.101	-0.049	0.012	0.008		
	120	0.010	0.007	0.008	0.001		
	299	0.019	0.009	0.008	0.002		
105	1.6	1.116	0.283	0.272	-0.026		
	15	0.572	0.287	0.127	0.085		
	35	0.696	0.527	0.216	0.071		
	50	0.512	0.551	0.208	0.111		
	75	0.520	0.495	0.207	0.126		
	100	1.036	0.647	0.313	0.089		
	123.6	1.008	0.731	0.173	0.145		
	299	0.268	0.380	0.128	0.099		
	500	0.035	0.099	0.050	0.038		
	750	0.013	0.012	0.010	0.012		
	1000	0.023	0.020	0.008	0.006		
1985	0.009	0.013	0.014	0.011			

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5µm (µg/l)	Phaeo Poretic 5µm (µg/l)	Chl a Nitex 20µm (µg/l)	Phaeo Nitex 20µm (µg/l)
108	1.5	0.861	-0.165	0.148	-0.023		
	2.5	0.712	-0.029	0.174	-0.010		
	6	0.613	-0.030	0.160	-0.001		
	10	0.725	-0.032	0.262	-0.029		
	17	0.891	-0.052	0.310	-0.016		
	28	0.427	0.023	0.194	-0.007		
	50	0.031	0.101	0.018	0.022		
	100	0.176	0.025	0.052	0.000		
	150	0.012	0.035	0.009	0.005		
	200	0.012	0.022	0.006	0.001		
	15	0.019	0.052	0.027	0.015		
109	1.7	0.307	0.027	0.072	-0.002		
	3.5	0.418	-0.029	0.101	0.001		
	8	0.334	-0.018	0.145	-0.004		
	14.5	0.591	-0.090	0.226	-0.010		
	26.5	1.208	0.155	0.657	-0.027		
	33.5	0.537	0.038	1.449	0.194		
110	1.6	0.257	0.019	0.069	0.000	0.000	0.000
	3.6	0.251	0.020	0.022	0.017	0.006	0.000
	6.3	0.260	0.014	0.289	0.016	0.006	0.000
	11.2	0.236	0.023	0.119	0.039	0.009	0.000
	19.5	0.394	0.030	0.055	0.011	0.004	0.001
	23	0.313	0.040	0.036	0.009	0.004	0.001
	26.2	0.292	0.033	0.030	0.012	0.004	0.002
	73	0.047	0.018	0.008	0.007	0.003	0.001
	100	0.056	0.030	0.009	0.018	0.002	0.003
	150	0.016	0.024	0.004	0.015	0.002	0.000
	1027	0.006	0.002	0.002	0.005	-0.003	0.003
112	1.7	0.196	0.067	0.011	0.006		
	6.5	0.159	0.061	0.011	0.004		
	10	0.155	0.070	0.010	0.013		
	17	0.138	0.056	0.013	0.006		
	28	0.097	0.066	0.015	0.011		
	42	0.075	0.053	0.010	0.005		
	47	0.059	0.059	0.006	0.006		
	100	0.094	0.071	0.003	0.010		
	150	0.006	0.027	0.002	0.004		
	199	0.008	0.029	0.007	0.014		
		0.000	0.000	0.000	0.000		
	0.000	0.000	0.000	0.000			

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5µm (µg/l)	Phaeo Poretic 5µm (µg/l)	Chl a Nitex 20µm (µg/l)	Phaeo Nitex 20µm (µg/l)
113	2.2	0.216	0.090	0.030	0.011		
	6.2	0.233	0.087	0.018	0.013		
	9.5	0.242	0.088	0.027	0.011		
	13	0.237	0.096	0.019	0.011		
	23	0.124	0.079	0.019	0.014		
	40	0.084	0.063	0.015	0.007		
	48	0.067	0.075	0.010	0.025		
	50	0.056	0.074	0.015	0.015		
	100	0.031	0.040	0.005	0.021		
	150	0.005	0.011	0.003	0.010		
	200	0.003	0.012	0.003	0.003		
114	1.7	0.251	0.115	0.060	0.028		
	3.7	0.218	0.130	0.056	0.004		
	6	0.212	0.113	0.055	0.006		
	11.5	0.215	0.121	0.042	0.010		
	20	0.140	0.173	0.033	0.008		
	30	0.127	0.080	0.012	0.020		
	35	0.093	0.095	0.014	0.018		
	50	0.071	0.055	0.010	0.018		
	100	0.027	0.044	0.006	0.024		
	200	0.012	0.019	0.007	0.010		
	400	0.003	0.003	0.004	0.001		
115	1.5	0.152	0.023	0.024	0.011	0.000	0.000
	5	0.145	0.038	0.025	0.013	0.006	0.000
	8	0.131	0.037	0.033	0.014	0.005	0.001
	14	0.131	0.034	0.020	0.013	0.004	0.002
	20	0.142	0.035	0.007	0.005	0.006	0.002
	23	0.119	0.036	0.020	0.011	0.004	0.002
	30	0.090	0.034	0.030	0.013	0.002	0.001
	35	0.093	0.024	0.016	0.008	0.003	0.001
	50	0.060	0.029	0.008	0.007	0.002	0.001
	150	0.009	0.011	0.005	0.006	0.001	0.002
	467	0.002	0.002	0.000	0.005	0.001	0.002

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
116	1.5	0.168	0.095	0.049	0.012		
	3.7	0.187	0.092	0.031	0.006		
	6	0.136	0.085	0.028	0.020		
	11	0.138	0.085	0.000	0.000		
	19	0.127	0.080	0.000	0.000		
	28	0.676	0.243	0.086	0.028		
	31	0.022	0.091	0.000	0.000		
	50	0.017	0.055	0.009	0.006		
	100	0.009	0.019	0.011	0.013		
	200	0.007	0.006	0.006	0.005		
	480	0.062	0.010	0.006	0.006		
			0.000	0.000	0.000	0.000	
117	1.7	0.085	0.065	0.030	0.010		
	6.6	0.075	0.066	0.019	0.021		
	9	0.103	0.057	0.016	0.012		
	13.6	0.050	0.089	0.021	0.015		
	20	0.045	0.062	0.019	0.017		
	25	0.288	0.025	0.024	0.015		
	27	0.066	0.042	0.012	0.014		
	50	0.033	0.020	0.004	0.010		
	100	0.025	0.023	0.003	0.007		
	200	0.010	0.011	0.003	0.005		
	434	0.006	0.024	0.001	0.005		
118	1.8	0.144	0.071	0.019	0.011		
	3.5	0.109	0.087	0.035	0.011		
	7	0.141	0.060	0.051	0.018		
	11	0.111	0.112	0.033	0.002		
	22	0.107	0.050	0.023	0.008		
	40	0.043	0.070	0.065	0.010		
	75	0.011	0.021	0.002	0.008		
	101	0.008	0.020	0.003	0.007		
	150	0.005	0.008	0.004	0.005		
	200	0.007	0.005	0.004	0.004		
	333	0.003	0.006	0.006	0.000		

Sta	Depth (m)	Chl a	Phaeo	Chl a	Phaeo	Chl a	Phaeo
		GF/F (µg/l)	GF/F (µg/l)	Poretic 5µm (µg/l)	Poretic 5µm (µg/l)	Nitex 20µm (µg/l)	Nitex 20µm (µg/l)
119	2	0.072	0.024	0.029	-0.001	0.000	0.000
	6	0.062	0.029	0.020	-0.001	0.010	0.006
	10.5	0.063	0.031	0.017	0.009	0.043	0.003
	16	0.064	0.028	0.017	0.013	0.022	0.003
	26	0.028	0.004	0.010	0.005	0.008	0.001
	27	0.052	0.009	0.009	0.005	0.005	0.003
	40	0.045	0.007	0.005	0.009	0.002	-0.001
	50	0.028	0.004	0.010	0.014	0.003	0.002
	100	0.007	0.006	0.010	-0.001	0.002	0.001
	150	0.008	0.004	0.002	0.003	0.002	0.001
	356	0.009	0.004	0.015	0.005	0.002	0.001
120	1.8	0.055	0.027	0.019	0.013		
	4	0.062	0.021	0.000	0.000		
	8	0.044	0.057	0.006	0.006		
	13	0.045	0.060	0.028	0.014		
	22	0.037	0.017	0.000	0.000		
	32	0.027	0.019	0.030	0.012		
	36	0.017	0.022	0.006	0.007		
	50	0.013	0.012	0.010	0.007		
	100	0.000	0.000	0.005	0.009		
	200	0.004	0.006	0.004	0.004		
	428	0.019	0.014	0.004	0.007		
121	1.7	0.196	0.022	0.046	0.020	0.011	0.004
	6.3	0.145	0.045	0.045	0.014	0.007	0.003
	9	0.126	0.056	0.056	0.026	0.017	0.007
	15	0.124	0.037	0.053	0.016	0.003	0.001
	20	0.130	0.031	0.062	0.009	0.009	0.003
	25	0.088	0.031	0.039	0.014	0.003	0.003
	37	0.032	0.007	0.014	0.008	0.003	0.004
	39	0.033	0.010	0.023	0.014	0.000	0.003
	50	0.018	0.009	0.005	0.004	0.001	0.002
	150	0.004	0.005	0.005	0.002	0.001	0.000
	477	0.005	0.003	0.005	0.005	0.001	0.001

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
123	1.6	0.099	0.067	0.057	0.017		
	5.5	0.137	0.063	0.056	0.046		
	8	0.114	0.061	0.029	0.013		
	13	0.130	0.050	0.070	0.006		
	21	0.078	0.026	0.041	0.010		
	32	0.036	0.030	0.013	0.012		
	39	0.042	0.009	0.008	0.014		
	100	0.009	0.015	0.003	0.008		
	200	0.003	0.010	0.006	0.006		
	300	0.003	0.008	0.004	0.004		
400	0.002	0.008	0.003	0.004			
127	2.5	0.016	0.013	0.002	0.000		
	10	0.025	0.010	0.004	0.004		
	20	0.013	0.013	0.007	-0.001		
	30	0.014	0.011	0.009	0.003		
	35	0.013	0.014	0.007	0.004		
128	1.7	0.016	0.013	0.010	0.004		
	5.6	0.010	0.012	0.006	0.002		
	11	0.012	0.019	0.006	0.003		
	15	0.011	0.015	0.004	0.003		
	25	0.015	0.014	0.004	0.004		
	30	0.011	0.014	0.003	0.005		
	106	0.000	0.000	0.000	0.000		
129	2.7	0.021	0.007	0.012	0.003		
	4	0.021	0.013	0.013	0.001		
	7	0.016	0.020	0.006	0.004		
	12	0.000	0.000	0.006	0.003		
	23	0.021	0.011	0.006	0.004		
	37	0.010	0.018	0.005	0.003		
	45	0.009	0.016	0.003	0.003		
	50	0.025	0.010	0.003	0.003		
	75	0.003	0.010	0.006	0.004		
	100	0.005	0.008	0.160	-0.153		
150	0.001	0.009	0.003	0.001			

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
130	1.5	0.019	0.004	0.022	0.003	0.006	-0.001
	7	0.014	0.007	0.021	-0.002	0.013	-0.005
	8.5	0.011	0.006	-0.004	0.017	0.005	0.003
	11	0.018	0.004	0.044	-0.021	0.006	-0.001
	17	0.014	0.006	0.009	0.007	0.005	0.001
	29	0.011	0.004	0.026	-0.013	0.009	-0.001
	42	0.010	0.007	0.007	0.013	0.003	0.000
	53	0.003	0.003	0.012	-0.004	0.002	-0.002
	100	0.002	0.004	0.001	0.004	0.002	0.000
	150	0.002	0.002	0.003	-0.001	0.001	0.001
	286	0.001	0.001	0.004	0.000	0.000	0.000
133	1.6	1.042	-0.160	0.794	-0.153		
	2.6	1.110	-0.153	0.725	-0.030		
	4.8	1.192	0.043	0.746	-0.087		
	8	0.992	0.087	0.910	-0.087		
	15	0.852	0.075	0.773	-0.074		
	18	0.863	-0.108	0.678	-0.019		
	27	0.396	0.112	0.385	-0.054		
	36	0.260	0.040	0.227	0.045		
	50	0.131	0.005	0.145	0.002		
	100	0.067	0.019	0.057	0.005		
134	1.6	0.097	0.017	0.088	0.030	0.089	0.021
	3.7	0.120	0.019	0.068	0.018	0.064	0.014
	7.2	0.058	0.011	0.053	0.005	0.029	-0.004
	12.5	0.061	0.004	0.044	0.002	0.017	0.009
	23.6	0.090	0.014	0.052	0.014	0.075	-0.003
	39	0.068	0.022	0.087	0.022	0.063	0.023
	50	0.085	0.012	0.050	0.032	0.059	0.014
	149	0.165	0.003	0.031	0.002	0.023	0.001
	198	0.077	0.016	0.013	0.007	0.012	0.000
135	1.6	0.618	-0.074	0.727	-0.128	0.625	-0.154
	4.4	0.851	-0.076	0.980	-0.232	0.713	-0.096
	7	0.680	-0.059	0.546	-0.087	0.512	-0.065
	10	0.155	-0.008	0.093	0.032	0.111	-0.004
	18	0.068	0.006	0.028	0.008	0.037	-0.003
	20	0.061	0.004	0.062	-0.015	0.013	-0.002
	30	0.081	-0.002	0.020	0.008	0.032	0.000
	37	0.049	0.002	0.024	0.009	-0.007	0.115
	50	0.019	0.002	0.007	0.009	0.007	-0.002
	100	0.015	0.003	0.012	0.000	0.009	0.001
	355	0.053	0.006	0.053	-0.003	0.063	-0.013

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic Sum (µg/l)	Phaeo Poretic Sum (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
136	1.6	0.139	0.013	0.110	0.022	0.081	-0.002
	4.2	0.210	0.011	0.213	0.018	0.148	0.003
	7.5	0.147	0.011	0.166	0.002	0.085	-0.029
	12	0.116	0.013	0.072	0.025	0.034	0.006
	19	0.081	0.016	0.185	0.025	0.064	-0.004
	21	0.062	0.014	0.017	0.035	0.033	0.010
	28	0.089	0.016	0.069	0.007	0.055	0.007
	31	0.048	0.022	0.042	0.011	0.026	-0.005
	50	0.032	0.008	0.011	0.005	0.008	0.000
	100	0.022	0.008	0.023	0.006	0.013	0.017
	358	0.181	0.004	0.127	-0.001	0.159	-0.003
137	1.6	0.337	0.004	0.404	-0.059	0.332	-0.045
	6	0.262	-0.013	0.214	-0.051	0.179	-0.037
	9	0.220	-0.007	0.159	-0.009	0.135	-0.024
	14	0.155	-0.007	0.109	-0.025	0.084	-0.010
	22	0.109	-0.013	0.070	-0.014	0.067	-0.009
	41	0.083	0.000	0.035	0.006	0.038	-0.004
	43	0.064	-0.001	0.034	-0.009	0.017	-0.004
	50	0.022	0.001	0.006	0.001	0.004	-0.002
	150	0.022	0.001	0.010	0.000	0.014	-0.001
	313	0.030	0.001	0.043	-0.006	0.013	-0.005
138	1.6	0.728	-0.027	0.654	0.080	0.381	0.073
	5.5	1.206	-0.077	1.110	-0.145	0.976	-0.088
	7	0.478	-0.026	0.381	0.057	0.298	0.058
	9.5	0.227	-0.016	0.222	-0.020	0.130	0.031
	11	0.155	-0.004	0.108	0.011	0.067	0.019
	25	0.113	-0.002	0.066	-0.005	0.029	0.006
	39	0.359	-0.025	0.325	-0.022	0.195	0.034
	43.5	0.056	0.010	0.020	0.020	0.008	-0.001
	150	0.014	0.005	0.013	-0.002	0.008	0.000
	311	0.120	-0.004	0.337	2.741	0.095	0.016
141	1.9	0.551	-0.041	0.357	-0.009		
	3.1	0.535	0.079	0.614	-0.068		
	6	0.718	-0.031	0.326	-0.009		
	9.2	0.405	0.056	0.316	-0.018		
	17	0.112	0.002	0.042	0.001		
	18.5	0.112	0.060	0.112	0.007		
	31.5	0.064	0.016	0.002	0.007		
	41	0.078	0.010	0.062	-0.001		
	50	0.035	0.015	0.008	0.002		
	150	0.032	0.012	0.052	0.006		
298	0.586	0.021	0.422	0.083			



Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
142	1.6	0.719	0.037	0.654	0.033		
	2.7	0.845	0.047	0.812	0.022		
	4.8	0.928	0.151	0.678	0.065		
	8.3	1.637	0.025	1.212	0.153		
	13	1.311	0.550	1.471	0.446		
	13.4	1.345	0.229	5.558	5.479		
	17	0.868	0.167	0.724	0.144		
	21	0.348	0.138	0.236	0.077		
	50	0.048	0.033	0.033	0.012		
	150	0.009	0.008	0.028	0.005		
	316	0.033	0.019	0.014	0.002		
143	1.6	1.184	0.257	1.595	0.240		
	2	1.263	0.225	1.663	0.234		
	4	1.767	0.258	1.447	0.917		
	6	1.463	0.845	2.078	0.916		
	11	1.345	0.306	1.199	0.861		
	14	1.495	0.845	1.878	0.637		
	19	1.487	1.044	1.558	1.004		
	23	1.662	1.140	1.758	1.108		
	50	0.181	0.053	0.153	0.029		
	150	0.107	0.034	0.069	0.029		
	295	1.021	-0.023	0.975	0.063		
144	1.6	0.692	0.043	0.515	0.002		
	5	0.596	0.189	0.339	0.123		
	9	0.674	0.153	0.371	0.168		
	16	0.892	0.073	0.512	0.064		
	22	1.894	-0.162	1.541	0.296		
	27	1.563	0.144	1.224	-0.005		
	48	0.386	0.063	0.398	0.015		
	150	0.086	0.031	0.080	0.019		
	290	0.218	0.008	0.190	0.049		
145	1.7	0.582	-0.002	0.616	0.021	0.452	0.045
	4	0.540	-0.016	0.446	-0.006	0.242	0.073
	7	0.672	-0.026	0.675	-0.016	0.427	0.058
	10.2	1.044	0.043	1.042	0.099	1.012	-0.062
	14	1.886	0.031	2.073	-0.078	1.237	0.095
	20	1.327	0.407	1.841	0.078	1.222	0.566
	28	0.716	0.038	0.566	0.271	0.460	0.111
	31	0.724	0.064	0.684	0.045	0.668	0.445
	50	0.106	0.009	0.077	0.022	0.065	-0.004
	150	0.035	0.029	0.086	0.029	0.049	0.024
	296	0.126	0.031	0.147	0.033	0.151	0.040

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5µm (µg/l)	Phaeo Poretic 5µm (µg/l)	Chl a Nitex 20µm (µg/l)	Phaeo Nitex 20µm (µg/l)
155	1.6	0.245	0.076	0.280	0.061	0.191	0.007
	2.8	0.358	0.138	0.430	0.102	0.113	-0.001
	5.7	0.576	0.035	0.581	0.077	0.337	0.041
	9.5	0.952	0.299	1.052	0.179	0.970	-0.060
	14.6	1.678	0.877	1.511	0.773	0.470	0.005
	19	1.678	0.980	1.990	0.788	1.889	0.021
	20.6	2.725	0.876	2.406	0.740	0.176	0.029
	26	1.247	0.949	1.399	0.853	0.369	0.024
	50	0.245	0.163	0.224	0.105	0.286	0.126
	150	0.062	0.061	0.048	0.064	0.068	0.127
	172	0.874	0.018	2.981	0.620	0.322	-0.025
156	4	1.040	0.343	1.273	0.211		
	7	0.290	0.096	0.150	0.050		
	13	0.159	0.026	0.071	0.034		
	19	0.165	0.058	0.055	0.044		
	37	0.061	0.032	0.021	0.016		
	47	0.061	0.009	0.046	0.068		
	74	0.024	0.009	0.018	0.016		
	163	0.012	0.021	0.011	0.020		
157	2	0.328	0.117	0.278	0.078		
	4.5	0.540	0.041	0.466	0.063		
	13	1.104	0.315	1.036	0.223		
	22	1.545	0.326	1.353	0.151		
	31	0.760	0.143	0.576	0.235		
	50	0.134	0.039	0.097	0.037		
	150	0.011	0.016	0.022	0.012		
270	0.034	0.011	0.036	0.011			
159	1.8	0.190	0.018	0.195	0.002		
	4.9	0.173	0.023	0.137	0.021		
	6.7	0.291	-0.006	0.171	0.017		
	10.6	0.220	-0.006	0.204	-0.011		
	16	0.187	0.043	0.227	-0.007		
	21.5	0.198	0.013	0.133	0.001		
	31.9	0.230	0.025	0.171	0.017		
	50	0.214	-0.006	0.178	-0.001		
	100	0.284	0.011	0.247	0.001		
	200	0.195	-0.005	0.140	0.025		
283	0.394	0.041	0.269	0.081			

Sta	Depth (m)	Chl a	Phaeo	Chl a	Phaeo	Chl a	Phaeo
		GF/F (µg/l)	GF/F (µg/l)	Poretic 5um (µg/l)	Poretic 5um (µg/l)	Nitex 20um (µg/l)	Nitex 20um (µg/l)
161	1.9	0.880	-0.167	0.621	-0.006		
	5	1.425	0.023	0.970	-0.084		
	7.4	2.094	0.333	1.950	0.349		
	11.1	1.790	0.429	1.535	0.190		
	16	3.756	0.332	3.740	0.140		
	22.6	1.822	0.413	1.630	0.350		
	28	1.417	0.035	0.960	0.139		
	50	0.069	0.009	0.044	0.023		
	100	0.033	0.011	0.017	0.004		
	150	0.037	0.030	0.037	0.010		
	207	0.183	0.002	0.168	0.000		
163	1.7	0.988	0.151	1.184	0.019		
	4	1.305	0.179	0.920	0.123		
	6	0.420	0.092	1.016	0.099		
	9.6	0.432	0.127	1.365	0.159		
	20	0.632	0.103	0.372	0.112		
	30	0.540	0.151	0.404	0.088		
	50	0.334	0.053	0.266	0.034		
	70	0.170	0.070	0.171	0.028		
165	1.7	1.511	0.358	1.449	0.178	1.060	0.137
	4	1.862	0.270	1.759	0.116	1.357	0.105
	6	2.613	0.301	1.145	0.550	1.877	0.043
	10	2.366	0.365	0.370	0.261	0.980	0.111
	14	2.933	0.660	0.594	0.249	1.621	0.065
	15	1.958	0.445	0.388	0.241	1.629	0.047
	18	4.556	-1.074	0.786	0.233	0.000	0.000
	19	1.782	0.477	0.374	0.208	1.385	0.047
	35	0.358	0.160	0.219	0.112	0.203	0.048
	49	0.568	0.087	0.618	0.000	0.534	0.023
	100	0.128	0.009	0.071	0.045	0.048	0.005
	312	1.263	-0.007	3.876	0.978	0.764	0.090
166	1.7	0.261	0.135	0.173	0.037	0.088	0.020
	3.4	0.349	0.116	0.165	0.140	0.192	0.025
	6.3	0.779	0.032	0.295	0.121	0.196	0.011
	11	0.816	0.059	0.301	0.371	0.275	0.045
	16.3	0.930	0.297	0.892	0.015	0.272	0.063
	23.3	0.602	0.339	0.657	0.095	0.340	0.051
	27.7	0.141	0.077	0.096	0.047	0.052	0.006
	50	0.036	0.044	0.033	0.028	0.009	0.001
	100	0.037	0.015	0.036	0.011	0.049	0.001
	150	0.019	0.020	0.020	0.017	0.006	0.001
	183	0.011	0.022	0.008	0.016	0.004	0.001

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5µm (µg/l)	Phaeo Poretic 5µm (µg/l)	Chl a Nitex 20µm (µg/l)	Phaeo Nitex 20µm (µg/l)
168	1.7	1.149	-0.372	0.613	-0.070	0.388	-0.009
	4.7	0.848	-0.265	0.560	-0.055	0.290	0.028
	8	0.679	-0.200	0.470	-0.017	0.442	0.019
	11.9	1.095	-0.340	0.601	-0.035	0.618	-0.033
	12.4	0.274	-0.061	0.164	-0.011	0.115	0.005
	19	0.111	0.001	0.113	0.018	0.029	0.012
	26.7	0.205	-0.040	0.127	0.009	0.035	0.002
	32	0.108	-0.003	0.060	0.002	0.056	0.002
	50	0.042	0.006	0.011	0.002	0.007	0.001
	100	0.014	0.005	0.006	0.005	0.004	0.002
	345	0.007	0.005	0.005	0.004	0.004	0.002
	169	1.7	1.795	0.186	0.715	0.150	0.912
4		1.719	0.226	1.522	0.699	1.096	0.105
7		1.511	0.162	1.539	0.200	0.840	0.092
12.5		1.541	0.188	1.385	0.113	0.816	0.078
17.5		1.797	0.152	1.634	0.495	1.028	0.071
22		1.722	0.475	1.636	0.511	1.393	0.061
50		0.095	0.038	0.047	0.010	0.018	0.004
100		0.028	0.013	0.085	0.019	0.085	0.015
200		0.081	0.038	0.124	0.013	0.152	0.007
276		0.073	0.038	0.184	0.003	0.149	0.001
170		1.8	0.379	0.054	0.870	-0.183	0.279
	4.9	0.221	-0.010	0.336	0.138	0.079	0.073
	7.4	0.246	0.040	0.437	-0.050	0.076	0.060
	12.5	0.133	0.075	0.100	0.071	0.014	0.003
	20.2	0.270	0.012	0.103	0.029	0.020	0.001
	29.2	0.174	0.034	0.169	0.001	0.008	0.002
	33.4	0.194	0.069	0.052	0.056	0.007	0.000
	50	0.078	0.060	0.041	0.018	0.005	0.002
	100	0.028	0.066	0.064	0.014	0.002	0.000
	139	0.049	0.076	0.037	0.037	0.004	0.000
172	3.6	0.208	-0.009	0.121	0.013	0.151	0.002
	4	0.298	0.039	0.214	0.050	0.216	0.068
	7	0.795	0.018	0.827	-0.005	0.627	0.007
	11	0.655	0.057	0.651	0.025	0.442	-0.003
	20	1.815	0.088	1.750	0.869	1.048	0.085
	24	3.429	0.739	4.356	0.746	3.101	0.334
	28	1.702	0.733	2.222	0.956	1.710	0.327
	50	0.466	0.090	0.440	0.055	0.158	0.065
	70	0.545	0.112	0.630	0.047	0.495	0.044
	84	0.394	0.089	0.279	0.078	0.340	-0.009

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
173	1.6	0.203	0.132	0.196	0.093	0.213	0.015
	4	0.337	0.097	0.301	0.092	0.265	-0.021
	8	0.734	0.029	0.595	0.037	0.340	0.049
	13	0.756	0.203	0.947	0.083	0.985	-0.077
	20	0.930	0.267	1.237	0.237	1.110	-0.093
	50	0.303	0.080	0.310	0.102	0.295	-0.051
	95	0.116	0.126	0.174	0.023	0.107	-0.004
175	2	0.274	0.070	0.103	-0.002	0.065	-0.006
	2.8	0.278	0.060	0.087	-0.012	0.038	-0.009
	5.8	0.273	0.052	0.082	-0.005	0.043	-0.002
	10.7	0.217	0.082	0.068	-0.010	0.026	-0.005
	19.3	0.297	0.044	0.185	-0.016	0.113	0.017
	32	0.085	0.028	0.025	0.015	0.007	0.001
	42.9	0.093	-0.002	0.021	-0.001	0.009	0.001
	50	0.053	0.001	0.012	-0.001	0.007	-0.002
	100	0.071	0.008	0.011	0.003	0.016	-0.002
247	0.013	0.008	0.015	-0.002	0.005	-0.002	
177	2	0.276	-0.001	0.079	-0.028	0.063	-0.038
	6	0.296	0.014	0.079	-0.022	0.043	-0.025
	9	0.209	0.024	0.051	-0.027	0.025	-0.023
	15.4	0.144	0.097	0.021	0.004	0.018	-0.011
	23.2	0.121	-0.014	0.035	-0.016	0.027	-0.018
	30.7	0.072	0.039	0.027	-0.013	0.013	-0.014
	35.5	0.046	0.006	0.009	-0.004	0.001	0.006
	50	0.032	0.009	0.008	-0.004	0.010	-0.013
	100	0.014	0.014	0.006	0.001	0.000	0.000
	200	0.006	0.013	0.011	-0.001	0.000	0.000
276	0.005	0.010	0.009	-0.006	0.000	0.000	
178	1.7	0.273	0.117	0.284	0.038	0.038	0.000
	5	0.185	0.224	0.178	0.051	0.025	-0.001
	5	0.251	0.086	0.043	0.006	0.016	0.004
	10	0.206	0.075	0.051	-0.001	0.026	0.003
	20	0.207	0.020	0.121	0.000	0.074	0.000
	30	0.142	-0.006	0.026	0.005	0.006	-0.001
	37	0.070	-0.005	0.013	0.002	0.007	-0.001
	50	0.045	0.005	0.008	0.004	0.001	0.001
	100	0.022	0.003	0.032	0.004	0.042	-0.002
150	0.037	0.020	0.006	0.004	0.003	-0.001	

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
179	2.1	1.056	0.165	0.706	0.128	0.257	0.056
	5.7	1.347	0.215	0.976	0.399	0.916	0.014
	8.2	1.423	0.254	1.200	0.341	0.594	0.028
	11.5	1.507	-0.010	1.243	0.369	0.000	0.000
	15.7	1.665	0.248	1.428	0.679	1.561	0.025
	24.8	1.571	0.148	1.590	0.957	1.601	0.049
	27	1.359	1.156	2.102	1.235	2.414	0.294
	29	1.215	0.989	1.343	1.029	1.361	0.083
	50	0.422	0.104	0.280	0.284	0.346	0.036
	100	0.093	0.062	0.103	0.047	0.020	0.031
	245	0.043	0.017	0.058	0.011	0.014	0.005
186	1.7	0.964	0.071	0.291	0.037	0.475	0.010
	3.3	0.416	0.141	0.170	0.019	0.119	0.012
	6	0.478	0.131	0.177	0.014	0.088	0.022
	9.2	0.724	0.235	0.343	0.048	0.255	0.003
	13.7	1.349	-0.013	0.499	0.014	0.195	0.024
	18	1.785	0.094	1.052	-0.017	0.713	-0.047
	49	0.084	0.116	0.137	0.017	0.094	0.018
	62	0.079	0.078	0.150	0.012	0.030	0.007
189	2.1	0.990	0.183	0.858	-0.013	0.448	0.061
	2.6	1.172	0.193	1.018	-0.095	0.376	0.072
	3.8	1.877	0.230	1.311	0.097	0.836	-0.027
	6.5	2.741	0.676	1.566	0.629	1.009	-0.057
	10	1.678	0.893	1.567	0.164	1.125	-0.097
	15.2	1.086	0.193	0.692	0.317	0.382	0.030
	22	0.650	0.285	0.518	0.191	0.319	0.074
	33	1.467	0.156	1.156	0.235	0.636	-0.005
	50	0.360	0.142	0.270	0.124	0.334	0.117
	60	0.337	0.114	0.198	0.133	0.373	0.078
192	1.8	0.725	0.096	0.448	-0.064	0.132	0.019
	4.8	2.587	-0.844	0.943	-0.047	0.540	-0.173
	6.2	1.439	0.206	0.894	0.053	1.134	-0.548
	8.6	1.734	0.286	1.126	0.009	0.874	0.027
	11.5	2.086	0.333	1.947	-0.080	0.427	0.372
	14.4	2.318	0.461	1.743	-0.014	1.030	-0.208
	16.5	2.094	0.453	1.867	-0.010	0.394	0.048
	16.5	2.550	0.389	1.741	0.006	0.501	-0.167
	30	1.032	0.149	0.744	-0.027	0.191	-0.046
	48	0.402	0.269	0.314	0.006	0.263	0.016

Sta	Depth	Chl a GF/F	Phaeo GF/F	Chl a Poretic 5um	Phaeo Poretic 5um	Chl a Nitex 20um	Phaeo Nitex 20um
	(m)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
194	2.1	0.713	0.171	0.660	-0.221		
	5.2	0.628	0.147	0.722	-0.118		
	8.1	0.660	-0.009	1.131	-0.474		
	10.8	1.888	0.004	1.381	0.067		
	16	2.414	-0.322	1.561	0.074		
	19.5	1.630	0.222	1.493	0.086		
	21.5	2.350	0.046	2.462	-0.322		
	30	2.046	0.381	1.806	0.126		
	50	0.743	-0.063	0.280	0.176		
	75	0.194	0.030	0.079	0.044		
	108	0.031	0.015	0.016	0.028		
195	1.9	0.233	0.051	0.050	0.048		
	5.3	0.269	0.068	0.061	0.022		
	8.5	0.261	0.069	0.075	0.035		
	13.7	0.293	0.064	0.079	0.039		
	21	0.268	0.047	0.107	0.037		
	29.2	0.263	0.085	0.096	0.032		
	32.8	0.264	0.075	0.082	0.025		
	50	0.130	0.009	0.034	-0.007		
	100	0.009	0.021	0.019	0.005		
	125	0.012	0.018	0.009	0.012		
	196	1.8	0.177	0.077	0.081	-0.003	
6		0.176	0.059	0.075	0.002		
9		0.237	0.027	0.089	-0.012		
15		0.248	0.044	0.058	0.047		
23		0.237	0.062	0.073	0.040		
31		0.185	0.033	0.070	0.010		
35		0.139	0.030	0.030	0.010		
50		0.089	0.030	0.021	0.006		
115		0.009	0.007	0.015	0.005		
197	1.9	0.212	0.050	0.072	0.003	0.005	0.000
	9	0.227	0.060	0.098	-0.011	0.008	-0.001
	9	0.223	0.053	0.076	0.004	0.005	0.001
	13	0.264	0.004	0.104	0.006	0.008	-0.001
	21	0.303	0.049	0.098	0.018	0.007	0.001
	28	0.205	0.055	0.067	0.001	0.018	-0.001
	33	0.216	0.057	0.052	0.023	0.007	0.004
	45	0.121	0.039	0.032	0.009	0.006	0.001
	75	0.017	0.016	0.009	0.003	0.003	0.000
	90	0.012	0.009	0.008	0.002	0.001	0.001

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)	
201	1.7	0.210	0.084	0.065	-0.001			
	2.7	0.212	0.075	0.061	0.026			
	4.2	0.221	0.081	0.039	0.046			
	8	0.239	0.065	0.049	0.033			
	13.2	0.199	0.093	0.050	0.036			
	23.8	0.186	0.073	0.055	0.007			
	32	0.148	0.085	0.047	0.005			
			0.000	0.000	0.000	0.000		
	50	0.069	0.016	0.019	0.004			
	100	0.004	0.004	0.003	0.005			
165	0.004	0.005	0.003	0.005				
206	2	0.248	0.072	0.065	0.030			
	6	0.258	0.073	0.065	0.031			
	6	0.257	0.056	0.048	0.032			
	9	0.243	0.088	0.065	0.027			
	17	0.233	0.172	0.092	0.028			
	29	0.216	0.041	0.254	0.011			
	32	0.182	0.060	0.175	0.025			
	40	0.095	0.027	0.094	-0.001			
	50	0.020	0.015	0.008	0.002			
	100	0.005	0.008	0.005	0.001			
	226	0.005	0.003	0.002	0.001			
			0.000	0.000	0.000	0.000		
210	1.7	0.267	0.060	0.070	0.045			
	5.5	0.315	0.035	0.084	0.032			
	8.6	0.221	0.133	0.086	0.030			
	13	0.245	0.152	0.130	0.027			
	19.6	0.284	0.189	0.154	0.030			
	26	0.224	0.041	0.070	0.025			
	29	0.113	0.190	0.044	0.051			
	50	0.152	0.179	0.046	0.076			
	100	0.007	0.010	0.006	0.004			
	200	0.010	0.006	0.004	0.002			
444	0.004	0.001	0.002	0.002				



Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
217	1.8	0.349	0.022	0.395	0.012	0.199	0.039
	3.8	1.671	-0.042	1.569	-0.004	1.136	0.235
	6.5	1.477	-0.015	1.289	0.007	0.660	0.223
	10.5	0.392	0.301	0.470	0.101	0.296	0.447
	11.7	2.390	0.501	2.597	0.476	1.982	1.004
	16.9	0.446	0.197	0.402	0.183	6.808	47.674
	23.8	0.346	0.124	0.292	0.086	0.254	0.053
	29.9	0.462	0.155	0.443	0.030	0.245	0.080
	50	0.064	0.001	0.038	-0.006	0.018	0.007
	100	0.011	0.009	0.011	-0.001	0.004	0.000
314	0.015	0.011	0.021	-0.002	0.036	0.005	
218	1.7	0.403	0.121	0.070	-0.001		
	3.6	0.418	0.409	0.058	0.008		
	5.8	0.603	0.227	0.171	-0.019		
	9	0.645	0.301	0.082	0.037		
	15	0.785	0.452	0.023	0.002		
	20	0.269	0.168	0.037	0.016		
	24	0.287	0.084	0.120	-0.039		
	50	0.043	0.025	0.010	0.004		
	100	0.008	0.014	0.006	0.003		
	150	0.008	0.015	0.005	0.004		
168	0.010	0.018	0.018	0.000			
219	2.6	0.230	0.281	0.055	0.048	0.002	0.007
	5	0.288	0.312	0.229	0.032	0.019	0.001
	9	0.258	0.291	0.068	0.002	0.004	0.005
	12	0.349	0.198	0.138	0.026	0.013	0.004
	15	0.203	0.197	0.025	0.009	0.004	0.001
	25	0.134	0.250	0.018	0.012	0.003	0.006
	32	0.064	0.064	0.072	0.033	0.010	0.002
	51	0.041	0.015	0.013	0.004	0.005	-0.001
	99	0.033	0.015	0.011	0.001	0.003	0.002
220	2	0.128	0.257	0.071	0.049		
	4.5	0.131	0.312	0.051	0.050		
	9	0.137	0.159	0.043	0.053		
	18	0.117	0.068	0.037	0.023		
	29	0.160	0.035	0.074	0.036		
	34	0.168	0.046	0.092	0.038		
	50	0.072	0.020	0.041	-0.013		
	75	0.015	0.022	0.004	0.006		
	100	0.015	0.021	0.009	0.008		
140	0.004	0.014	0.020	-0.020			

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
221	2.5	0.295	0.126	0.202	0.007	0.150	0.010
	5	0.542	0.212	0.279	0.072	0.131	0.063
	9	0.803	0.121	0.278	0.124	0.253	-0.010
	13	0.952	0.045	0.546	0.027	0.355	-0.011
	20	1.018	-0.015	0.757	-0.005	0.442	0.016
	25	0.783	0.048	0.718	0.231	0.722	-0.020
	29	0.780	0.061	0.512	0.055	0.469	0.017
	35	0.912	-0.027	0.950	0.093	0.710	-0.032
	50	0.389	0.074	0.312	0.131	0.260	0.035
	100	0.061	0.032	0.046	0.018	0.033	0.006
	149	0.043	0.023	0.052	0.012	0.024	0.001
223	1.7	0.284	0.073	0.249	0.097		
	5.6	0.070	-0.026	1.369	0.103		
	7.4	0.103	-0.042	1.646	0.573		
	12.3	9.850	2.582	2.949	0.740		
	18.2	6.672	2.559	2.350	0.876		
	23.5	6.250	0.617	1.333	0.229		
	26.3	7.149	1.792	1.822	1.132		
	29.5	4.819	2.482	1.830	0.821		
	50	0.249	0.147	0.279	0.089		
	100	0.084	0.045	0.097	0.045		
	276	0.066	0.034	0.124	0.031		
224	1.7	1.641	0.026	1.228	0.191		
	6	1.601	0.062	3.836	0.811		
	7.3	0.620	0.255	1.854	0.669		
	10	3.868	0.779	2.030	0.701		
	14	3.229	1.019	2.973	0.891		
	17	5.163	0.809	4.955	0.730		
	19	4.396	0.602	4.875	0.538		
	50	0.074	0.029	0.076	0.030		
	100	0.029	0.017	0.029	0.014		
	200	0.024	0.020	0.040	0.014		
252	0.063	-0.024	0.040	0.009			

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
225	0.5	0.061	-0.017	1.052	0.355		
	1.05	0.075	-0.025	1.661	0.198		
	5.5	1.697	0.174	1.573	0.290		
	8	1.168	0.235	1.813	0.374		
	11	1.913	0.114	1.582	0.957		
	15	0.964	0.163	0.772	0.279		
	17	1.044	0.163	1.561	-0.561		
	50	1.390	7.435	0.221	0.163		
	100	0.083	0.058	0.072	0.037		
	113	0.057	0.037	0.048	0.036		
226	2.1	0.175	0.016	0.165	0.022	0.071	0.045
	5.8	0.770	0.287	0.726	0.164	0.269	0.059
	8.6	0.984	0.319	0.570	0.261	0.284	0.059
	11.4	1.180	0.249	0.572	0.223	0.164	0.083
	15.3	1.733	0.258	0.972	0.259	0.516	0.083
	19	1.315	0.342	1.170	0.207	0.445	0.087
	20.3	1.702	1.084	1.589	0.468	0.307	0.037
	50	0.143	0.067	0.175	0.136	0.281	0.054
	100	0.049	0.060	0.090	0.050	0.128	0.137
	150	0.010	0.086	0.119	0.086	0.006	0.005
	216	0.062	0.067	0.134	0.102	0.012	0.002
	227	1.9	0.267	0.020	0.000	0.000	
5.6		1.004	0.331	0.988	-0.018		
7.8		1.152	0.343	1.028	0.179		
10.9		1.661	0.270	1.124	0.255		
15.4		1.375	1.180	1.669	0.274		
20.7		1.119	1.133	1.325	0.275		
23.2		1.385	0.210	1.188	0.271		
50		0.281	0.164	0.236	0.122		
83		0.173	0.079	0.161	0.094		
228	1.6	1.249	0.143	0.764	0.339		
	4	1.509	0.358	1.216	-0.013		
		0.000	0.000	0.000	0.000		
	7	2.061	-0.142	1.361	0.023		
	13	1.646	0.797	1.557	0.226		
	19	2.238	0.285	1.965	0.094		
	22	1.359	1.532	1.841	-0.038		
	53	0.242	0.155	0.368	-0.008		

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5µm (µg/l)	Phaeo Poretic 5µm (µg/l)	Chl a Nitex 20µm (µg/l)	Phaeo Nitex 20µm (µg/l)
229	1.7	0.754	0.039	0.489	0.064	0.185	0.003
	4	0.703	-0.014	0.630	0.062	0.293	-0.005
		0.000	0.000	0.000	0.000	0.000	0.000
	7	0.922	0.169	0.745	-0.002	0.281	-0.011
	10	0.630	0.287	0.625	0.032	0.154	0.000
	13	0.810	0.279	0.718	0.006	0.186	-0.005
	21	0.644	0.343	0.949	-0.053	0.328	-0.021
	27	0.708	0.263	0.355	0.008	0.198	-0.001
57	0.404	0.451	0.269	0.076	0.047	0.000	
231	1.9	0.219	-0.009	0.078	0.019		
	4	0.135	0.019	0.068	0.021		
	6	0.143	0.019	0.070	-0.007		
	10	0.139	0.017	0.071	-0.002		
	17	0.109	0.034	0.065	-0.004		
	23	0.102	0.033	0.026	-0.003		
	26	0.167	0.021	0.032	0.001		
	100	0.006	0.006	0.004	0.005		
	200	0.007	0.003	0.004	0.004		
238	2	0.245	0.175	0.049	0.049	0.059	0.000
	4	0.270	0.212	0.070	0.044	0.036	-0.001
		0.000	0.000	0.000	0.000	0.000	0.000
	10	0.251	0.230	0.058	0.043	0.038	0.002
	15	0.125	0.244	0.052	0.031	0.000	0.000
	21	0.085	0.081	0.014	0.012	0.003	0.000
	31	0.039	0.048	0.023	0.008	0.018	-0.001
		0.058	0.018	0.019	0.013	0.012	0.000
		0.000	0.000	0.000	0.000	0.000	0.000
	100	0.014	0.015	0.009	0.006	0.001	0.001
205	0.006	0.007	0.007	0.004	0.001	0.000	
240	1.9	2.014	0.733	2.078	0.573		
	3.5	2.078	0.621	1.982	0.541		
	5.5	2.030	0.637	1.950	0.573		
	8	2.174	0.796	2.062	0.621		
	11.5	2.174	0.493	2.222	0.349		
	15	2.094	0.653	1.934	0.669		
	44	1.630	0.669	1.519	0.605		

Sta	Depth	Chl a GF/F	Phaeo GF/F	Chl a Poretic 5um	Phaeo Poretic 5um	Chl a Nitex 20um	Phaeo Nitex 20um
	(m)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
242	1.7	0.268	0.009	0.231	0.038		
	5	0.283	0.008	0.255	0.006		
	9	0.270	0.007	0.243	0.019		
	11	0.252	0.018	0.213	0.021		
	20	0.177	0.022	0.175	0.006		
	30	0.194	0.002	0.174	0.014		
	33	0.165	-0.005	0.103	0.011		
244	1.7	0.254	0.059	0.183	-0.006		
	7	0.008	0.003	0.014	0.001		
	9	0.319	0.002	0.249	-0.125		
	13	0.259	0.013	0.169	-0.071		
	25	0.047	0.012	0.026	0.014		
	40	0.022	0.002	0.009	0.001		
	50	0.009	0.013	0.008	0.002		
	100	0.017	0.007	0.008	0.003		
	108	0.007	0.001	0.003	0.001		
246	1.7	0.094	0.034	0.028	0.011		
	3.5	0.072	0.043	0.028	0.008		
	4.9	0.093	0.032	0.033	0.006		
	9.3	0.073	0.048	0.035	0.006		
	19.5	0.033	0.009	0.021	0.001		
	35	0.011	0.003	0.005	0.004		
	50	0.008	0.002	0.004	0.002		
	100	0.005	0.003	0.004	0.004		
	184	0.002	0.004	0.002	0.002		
248	2	0.219	0.117	0.220	0.006	0.123	0.010
	5.2	0.154	0.150	0.177	0.014	0.116	0.006
	8.3	0.197	0.028	0.122	0.013	0.079	0.013
	14	0.054	0.007	0.051	0.020	0.033	0.002
	30	0.035	0.009	0.020	0.008	0.024	0.002
	45	0.017	0.011	0.016	0.011	0.001	0.002
	49.3	0.009	0.016	0.011	0.000	0.002	0.001
	100	0.006	0.007	0.007	0.002	0.003	0.000
	200	0.005	0.002	0.004	0.002	0.006	0.000
288	0.003	0.005	0.008	0.003	0.002	0.001	

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5µm (µg/l)	Phaeo Poretic 5µm (µg/l)	Chl a Nitex 20µm (µg/l)	Phaeo Nitex 20µm (µg/l)
250	1.7	0.083	0.054	0.020	0.004		
	4.1	0.075	0.056	0.020	0.002		
	7.7	0.091	0.048	0.049	0.004		
	13.3	0.067	0.054	0.025	0.002		
	22	0.059	0.026	0.006	0.002		
	32	0.041	0.012	0.005	0.002		
	41	0.029	0.013	0.007	0.003		
	50	0.015	0.010	0.008	-0.002		
	100	0.002	0.011	0.003	0.003		
200	0.005	0.004	0.002	0.002			
252	1.6	0.184	0.099	0.035	0.008		
	4	0.208	0.084	0.043	0.010		
	6.8	0.177	0.096	0.030	0.007		
	10	0.188	0.081	0.028	0.009		
	18	0.136	0.071	0.016	0.009		
	24	0.108	0.049	0.011	0.009		
	28	0.078	0.013	0.004	0.004		
	100	0.005	0.004	0.004	0.003		
	200	0.004	0.004	0.003	0.001		
	260	0.006	0.004	0.012	0.001		
255	1.7	0.592	0.062	0.449	0.046	0.284	0.021
	4	0.634	0.044	0.557	0.055	0.421	-0.003
	5.5	0.597	0.038	0.500	0.064	0.373	0.026
	7	0.507	0.074	0.436	0.077	0.269	0.019
	11	0.409	0.101	0.360	0.072	0.272	0.050
	13	0.612	0.082	0.597	0.053	0.448	0.005
	15	0.745	0.063	0.695	-0.030	0.516	0.023
	20	1.001	-0.027	0.846	0.014	0.546	0.012
	50	0.273	0.108	0.263	0.076	0.227	0.026
	95	0.122	0.061	0.132	0.050	0.060	0.024
260	1.8	0.077	0.024	0.077	-0.015	0.032	-0.001
	4.2	0.203	0.027	0.241	-0.022	0.060	-0.010
	7	1.407	0.614	1.805	0.018	1.437	0.093
	18.2	0.888	0.131	0.836	0.167	0.752	-0.132
	19.5	0.902	-0.003	0.832	0.085	0.772	-0.084
	27	0.448	0.271	0.426	0.096	0.289	-0.014
	50	0.175	0.023	0.183	0.064	0.088	0.014
	150	0.093	-0.018	0.082	0.000	0.083	0.019
	318	0.095	-0.014	0.080	-0.007	0.056	0.003

Sta	Depth	Chl a GF/F	Phaeo GF/F	Chl a Poretic 5um	Phaeo Poretic 5um	Chl a Nitex 20um	Phaeo Nitex 20um
	(m)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
261	1.7	0.260	-0.024	0.117	0.032	0.083	-0.003
	2.2	0.094	0.023	0.060	0.037	0.039	0.018
	5	0.138	-0.004	0.105	0.014	0.065	0.010
	10	1.277	0.005	1.361	-0.119	0.724	0.112
	18	2.086	0.221	2.310	0.676	1.697	0.035
	23	2.701	-0.122	3.636	-0.219	2.542	0.126
	26	2.142	0.788	2.797	0.580	2.238	0.310
	50	0.240	0.084	0.192	0.002	0.328	-0.040
	100	0.147	0.035	0.300	0.007	0.842	-0.114
	200	0.176	0.197	0.134	0.026	0.633	-0.066
	294	0.212	0.135	0.127	0.031	0.059	-0.004
262	2	0.886	0.014	0.220	0.000	0.079	0.043
	5	0.966	0.014	0.226	0.015	0.134	-0.014
	7	0.870	0.207	0.306	-0.021	0.135	0.020
	20	1.080	0.221	1.649	0.050	0.624	0.012
	31	1.827	0.152	1.907	0.018	0.928	0.149
	50	0.374	0.161	0.361	0.108	0.182	0.020
	150	0.403	5.559	0.051	0.044	0.020	0.006
	289	0.558	6.440	0.077	0.038	0.072	0.013
	263	2.3	1.162	0.297	1.597	0.210	0.510
3.5		1.391	0.222	1.709	0.122	0.537	-0.019
5		1.797	0.222	1.439	1.076	1.048	-0.059
13		1.527	0.118	1.257	0.187	1.088	-0.019
16		1.325	0.191	1.178	0.231	0.816	0.026
31		0.276	0.128	0.324	0.131	0.157	0.004
50		0.246	0.106	0.322	0.114	0.216	0.008
150		0.084	0.037	0.076	0.043	0.191	-0.005
300		0.053	0.007	0.034	0.022	0.067	0.009
264	1.7	0.048	0.012	0.043	0.003	0.031	0.001
	5	0.473	-0.010	0.339	-0.057	0.179	0.000
	8	1.155	-0.326	0.631	-0.030	0.352	-0.013
	17	1.582	0.493	1.749	0.032	0.907	-0.015
	24	1.375	0.510	1.709	0.118	1.309	0.011
	30	1.166	0.129	1.307	0.306	0.784	0.102
	50	0.029	0.006	0.292	0.084	0.179	0.060
	150	1.495	3.096	0.048	0.014	0.009	0.003
	298	1.215	1.811	0.072	0.023	0.058	0.006

Sta	Depth (m)	Chl a GF/F (µg/l)	Phaeo GF/F (µg/l)	Chl a Poretic 5um (µg/l)	Phaeo Poretic 5um (µg/l)	Chl a Nitex 20um (µg/l)	Phaeo Nitex 20um (µg/l)
265	1.9	0.038	0.011	0.154	0.019	0.064	0.000
	6.3	0.379	0.122	0.298	0.077	0.152	0.009
	10	0.516	0.106	0.422	0.109	0.221	0.002
	19.1	0.692	0.113	0.530	0.131	0.175	0.008
	22.4	0.991	0.045	0.889	0.007	0.367	0.033
	35.5	0.606	0.208	0.664	0.116	0.463	0.013
	100	0.045	0.027	0.013	0.020	0.009	0.001
	200	0.047	0.025	0.009	0.020	0.013	0.001
	296.7	0.031	0.038	0.023	0.050	0.025	-0.001
266	2.1	0.192	0.007	0.144	0.016	0.042	-0.009
	4.2	0.457	0.096	0.340	0.035	0.122	0.000
	7.1	0.685	0.076	0.500	0.024	0.183	-0.034
	16	1.018	0.257	0.960	0.141	0.307	0.003
	25.3	0.692	0.309	0.720	0.253	0.340	0.020
	50	0.207	0.161	0.194	0.104	0.100	0.010
	90	0.072	0.054	0.049	0.047	0.021	-0.004
	247	0.029	0.026	0.028	0.008	0.018	-0.001
	386	0.013	0.014	0.021	0.006	0.002	0.001
267	1.8	0.367	0.532	0.093	0.674	0.073	0.159
	10	0.312	1.255	0.119	1.204	-0.047	0.229
	20	0.023	0.218	0.004	0.070	0.003	0.001
	30	0.039	0.104	0.007	0.037	0.000	0.003
	50	0.021	0.093	0.003	0.041	0.001	0.004
	200	0.003	0.042	0.006	0.020	0.003	0.001
	1058	0.002	0.008	0.001	0.004	-0.001	0.005



## 5 Primary production in the water column

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Legend to table

Station: Station number. Missing stations were either not sampled or showed errors due to the equipment or to manipulations.

Depth: Depth of sampling from the surface in meters.

%light: Percentage of surface (0 m) PAR reaching the depth of sampling. PAR (Photosynthetically active radiations; 400-700nm) was measured on the rosette with a LICOR underwater quantum PAR meter.

Irradiance received: Total PAR that reached the deck incubator during the incubation of the 2 light and 1 dark bottles. PAR was measured on the deck every 30 min. with a LICOR quantum PAR meter. Calculations according to Legendre et al. (1993, M.E.P.S.98:297-313).

Average total primary production

Std total prim.prod.: Primary production of the total fraction of phytoplankton filtered on GF/F, measured from the two light bottles. Average and standard deviation of the two measurements are given.

Average >5 $\mu$ m primary production

std.>5 $\mu$ m Prim.prod.: Primary production of the large fraction of phytoplankton (filtered on Poretics 5 $\mu$ m pore size filters) measured from the two light bottles. Average and standard deviation of the two measurements are given.

Total dark uptake

>5 $\mu$ m dark uptake: Carbon uptake of the total (GF/F) and large (Poretics 5 $\mu$ m) fractions of the phytoplankton, measured from the dark bottle.

Prim prod cells>5 $\mu$ m (%): Percent of the total primary production accounted for by the large fraction (cells > 5 $\mu$ m) of the phytoplankton.

Date	Sta.	Depth m	%Light %	Inc. Start	Irrad. Received Eins/m2/d	Average Total Prim.Prod mg/m3/d	Std Total Prim.Prod mg/m3/d	Total Dark Uptake mg/m3/d	Average >5 µm Prim.Prod mg/m3/d	STD >5 µm Prim.Prod mg/m3/d	>5 µm Dark Uptake mg/m3/d	Prim.Prod Cells>5 µm %
25.5.	5	1.9	100	14:20	#NV	0.267	0.033	0.459	0.083	0.012	0.441	31.30
25.5.	5	6.3	50	14:20	#NV	0.347	0.008	0.488	0.051	0.014	0.482	14.73
25.5.	5	9.5	30	14:20	#NV	7.131	0.324	0.623	2.953	0.169	0.457	41.42
25.5.	5	16.5	15	14:20	#NV	0.530	#NV	0.567	1.405	0.006	0.447	100.00
25.5.	5	27.5	5	14:20	#NV	5.567	0.386	0.563	1.673	0.078	0.377	30.05
25.5.	5	47.4	1	14:20	#NV	5.845	#NV	0.529	1.495	0.506	0.404	25.57
25.5.	5	70.5	0.1	14:20	#NV	3.717	0.450	0.592	0.891	#NV	0.394	23.97
25.5.	8	1.9	100	00:00	#NV	1.512	0.159	0.207				
25.5.	8	3.0	50	00:00	#NV	2.347	0.026	0.144				
25.5.	8	6.0	30	00:00	#NV	1.478	0.063	0.278				
25.5.	8	22.8	5	00:00	#NV	2.668	0.116	0.167				
27.5.	15	1.6	100	04:45	#NV	0.261	0.060	0.248				
27.5.	15	3.0	50	04:45	#NV	0.257	0.009	0.157				
27.5.	15	6.0	30	04:45	#NV	0.310	0.013	0.185				
27.5.	15	20.0	5	04:45	#NV	0.133	0.001	0.205				
29.5.	24	1.8	100	05:00	#NV	24.266	0.162	1.356	6.037	0.699	1.778	24.88
29.5.	24	6.0	50	05:00	#NV	13.446	1.331	0.803	14.561	3.756	1.951	100.00
29.5.	24	8.4	30	05:00	#NV	9.090	0.445	0.997	6.657	0.578	1.159	73.23
29.5.	24	19.5	5	05:00	#NV	9.915	0.355	1.236	5.759	0.300	1.489	58.08

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Date	Sta.	Depth m	%Light %	Inc. Start	Irrad. Received Eins/m2/d	Average Total Prim.Prod mg/m3/d	Std Total Prim.Prod mg/m3/d	Total Dark Uptake mg/m3/d	Average >5 µm Prim.Prod mg/m3/d	STD >5 µm Prim.Prod mg/m3/d	>5 µm Dark Uptake mg/m3/d	Prim.Prod Cells>5 µm %
30.5.	30	0.0	100	18:15	61.57	10.659	2.197	1.323				
30.5.	30	4.0	50	18:15	30.79	7.312	0.012	1.155				
30.5.	30	7.5	30	18:15	18.47	7.739	0.920	0.203				
30.5.	30	15.0	15	18:15	9.24	5.763	0.436	0.643				
01.6.	32	5.0	15	16:00	7.87	31.459	5.048	12.742				
01.6.	32	10.0	5	16:00	2.62	42.861	3.417	4.637				
01.6.	32	15.0	1	16:00	0.52	5.776	1.562	3.037				
01.6.	32	25.0	0.1	16:00	0.05	5.344	1.669	2.608				
03.6.	33	1.9	100	11:30	50.03	2.272	0.273	1.095	1.331	0.246	0.772	58.61
03.6.	33	4.0	50	11:30	25.02	7.615	0.064	0.651	2.341	0.731	1.134	30.74
03.6.	33	7.2	30	11:30	15.01	10.648	0.233	0.873	2.153	0.501	0.623	20.22
03.6.	33	10.0	18	11:30	9.01	5.221	0.085	0.601	1.784	0.081	0.617	34.18
03.6.	33	35.0	1	11:30	0.50	2.988	0.071	1.121	0.497	0.073	0.399	16.63
03.6.	36	1.5	100	17:45	47.10	8.118	1.194	0.463	3.635	1.851	0.405	44.77
03.6.	36	4.0	50	17:45	23.55	8.875	0.010	0.429	2.244	0.177	0.713	25.28
03.6.	36	7.0	30	17:45	14.13	10.902	0.009	0.779	2.063	0.039	1.096	18.92
03.6.	36	12.0	15	17:45	7.07	9.825	0.201	0.646	2.139	0.210	0.737	21.77
03.6.	36	21.0	5	17:45	2.36	11.945	0.055	0.489	2.537	0.798	0.480	21.24
03.6.	36	32.4	1	17:45	0.47	5.102	0.525	0.586	0.782	0.072	0.488	15.33
03.6.	36	35.0	0.1	17:45	0.05	4.618	0.109	0.495	0.701	0.069	0.494	15.18
04.6.	40	1.5	100	04:10	47.47	51.369	0.958	0.591	19.185	0.575	0.539	37.35

Date	Sta.	Depth m	%Light %	Inc. Start	Irrad. Received Eins/m2/d	Average Total Prim.Prod mg/m3/d	Std Total Prim.Prod mg/m3/d	Total Dark Uptake mg/m3/d	Average >5 µm Prim.Prod mg/m3/d	STD >5 µm Prim.Prod mg/m3/d	>5 µm Dark Uptake mg/m3/d	Prim.Prod Cells>5 µm %
06.6.	52	1.8	100	19:35	59.75	136.346	1.844	1.066	62.960	3.716	0.584	46.18
06.6.	53	1.5	100	21:30	59.54	99.319	0.932	0.732	72.153	7.501	0.430	72.65
06.6.	54	1.5	100	23:40	58.91	79.902	3.288	0.613	65.666	11.887	0.348	82.18
07.6.	55	1.7	100	06:40	57.88	86.237	2.716	1.707				
07.6.	55	4.6	50	06:40	28.94	116.099	0.532	2.654				
07.6.	55	7.4	30	06:40	17.36	98.662	13.679	3.782				
07.6.	55	11.1	15	06:40	8.68	104.893	15.161	3.605				
07.6.	55	17.3	5	06:40	2.89	121.677	1.918	2.904				
07.6.	55	24.0	1	06:40	0.58	25.759	0.395	2.978				
07.6.	55	28.0	0.1	06:40	0.06	8.277	0.347	1.289				
08.6.	60	0.0	15	23:26	5.33	51.694	1.490	2.371	44.681	6.910	1.645	86.43
08.6.	60	3.0	5	23:26	1.78	46.080	0.192	1.805	43.315	2.812	0.733	94.00
08.6.	60	7.0	1	23:26	0.36	9.065	0.085	0.669	8.609	0.407	1.534	94.97
08.6.	60	25.0	0.1	23:26	0.04	14.952	1.442	1.050	#NV	#NV	#NV	#NV
13.6.	82	1.8	100	01:30	54.14	3.099	0.067	1.687	0.218	0.218	1.757	7.02
13.6.	82	4.3	50	01:30	27.07	4.389	0.093	0.672	4.263	#NV	0.378	97.13
13.6.	82	13.1	15	01:30	8.12	4.067	0.120	0.194	0.707	0.028	0.844	17.39
13.6.	82	22.6	5	01:30	2.71	3.376	0.057	0.782	0.475	0.187	0.568	14.06
13.6.	82	28.6	2.5	01:30	1.35	2.748	0.470	0.597	0.314	#NV	0.412	11.42

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Date	Sta.	Depth m	%Light %	Inc. Start	Irrad. Received Eins/m2/d	Average Total Prim.Prod mg/m3/d	Std Total Prim.Prod mg/m3/d	Total Dark Uptake mg/m3/d	Average >5 µm Prim.Prod mg/m3/d	STD >5 µm Prim.Prod mg/m3/d	>5 µm Dark Uptake mg/m3/d	Prim.Prod Cells>5 µm %
14.6.	85	1.9	100	17:00	41.46	4.030	1.832	2.192	2.382	0.001	1.719	59.12
14.6.	85	4.4	50	17:00	20.73	4.779	0.396	1.766	2.220	0.075	1.396	46.46
14.6.	85	6.9	30	17:00	12.44	7.142	0.802	0.353	2.519	0.689	0.772	35.26
14.6.	85	12.9	15	17:00	6.22	5.418	0.637	1.748	2.137	0.478	1.398	39.45
14.6.	85	24.2	5	17:00	2.07	3.398	0.067	1.052	2.306	0.058	0.360	67.84
14.6.	85	35.7	1	17:00	0.41	3.217	0.199	0.328	1.134	0.217	0.905	35.26
14.6.	85	46.0	0.1	17:00	0.04	3.989	0.145	0.833	3.371	0.134	0.329	84.50
15.6.	89	1.5	100	15:00	50.76	14.877	0.702	2.046	8.306	0.221	1.808	55.83
15.6.	89	3.5	50	15:00	25.38	26.313	0.159	1.285	16.107	1.888	1.216	61.21
15.6.	89	7.8	30	15:00	15.23	20.263	0.752	1.314	10.944	0.532	1.395	54.01
15.6.	89	11.1	15	15:00	7.61	37.253	0.255	1.141	22.868	0.559	0.933	61.39
15.6.	89	15.5	5	15:00	2.54	23.027	0.077	3.162	16.027	2.153	2.552	69.60
15.6.	89	20.5	1	15:00	0.51	10.577	1.379	1.617	10.574	0.870	1.569	99.97
15.6.	89	24.2	0.1	15:00	0.05	2.395	0.277	2.342	1.744	0.959	1.818	72.81
16.6.	94	0.0	10	01:00	4.08	7.863	1.268	2.991	9.618	1.508	3.387	100.00
16.6.	94	3.0	5	01:00	2.04	12.477	1.953	0.814	9.681	1.272	2.052	77.59
16.6.	94	7.5	1	01:00	0.41	4.514	1.321	1.484	3.626	0.754	0.777	80.33
16.6.	94	15.0	0.1	01:00	0.04	1.380	1.057	1.151	1.338	0.100	0.680	96.99
17.6.	95	1.9	100	22:45	50.39	0.000	0.000	15.494	0.773	0.304	4.164	100.00
17.6.	95	5.1	50	22:45	25.20	9.237	2.040	1.578	11.664	8.476	1.659	100.00
17.6.	95	8.4	30	22:45	15.12	6.227	0.449	1.518	6.870	2.683	1.007	100.00
17.6.	95	26.0	5	22:45	2.52	0.730	0.730	2.992	0.000	0.000	4.480	0.00

Date	Sta.	Depth m	%Light	Inc. Start	Irrad. Received Eins/m2/d	Average		Std		Total Dark Uptake mg/m3/d	Average >5 µm Prim.Prod mg/m3/d	STD >5 µm Prim.Prod mg/m3/d	>5 µm Dark Uptake mg/m3/d	Prim.Prod Cells>5 µm %
						Total Prim.Prod mg/m3/d	Total Prim.Prod mg/m3/d							
19.6.	99	1.6	100	18:00	53.72	0.000	0.000	1.934	0.000	0.000	0.000	0.922		
19.6.	99	3.7	50	18:00	26.86	4.789	0.426	0.603	0.426	1.588	0.325	0.655	33.16	
19.6.	99	7.6	30	18:00	16.12	3.197	0.095	0.892	0.095	1.726	0.446	0.544	53.99	
19.6.	99	22.7	5	18:00	2.69	1.662	0.083	0.975	0.083	0.000	0.000	1.253	0.00	
20.6.	100	2.0	100	14:30	35.08	2.477	0.199	0.999	0.199	0.816	0.082	0.868	32.95	
20.6.	100	6.5	50	14:30	17.54	3.712	0.112	0.557	0.112	1.623	0.301	0.480	43.71	
20.6.	100	10.6	30	14:30	10.52	2.671	0.202	1.116	0.202	0.888	0.056	0.663	33.25	
20.6.	100	24.5	5	14:30	1.75	1.921	0.047	0.740	0.047	0.336	0.097	0.919	17.47	
21.6.	103	1.7	100	03:30	29.28	5.253	1.600	0.550	1.600	1.458	1.119	1.559	27.76	
21.6.	103	3.3	50	03:30	14.64	5.575	0.333	0.795	0.333	1.808	0.240	0.671	32.42	
21.6.	103	6.2	30	03:30	8.78	3.974	0.535	1.054	0.535	0.814	0.037	0.802	20.48	
21.6.	103	20.2	5	03:30	1.46	2.838	0.182	1.150	0.182	0.553	0.028	0.736	19.47	
21.6.	103	32.3	0.1	03:30	0.03	0.680	0.057	0.513	0.057	0.140	0.067	0.420	20.50	
27.6.	108	1.5	100	20:05	#NV	19.524	0.819	0.326	0.819	5.834	0.052	0.344	29.88	
27.6.	108	2.5	50	20:05	#NV	45.021	6.202	7.702	6.202	12.443	#NV	0.532	27.64	
27.6.	108	6	30	20:05	#NV	20.246	2.345	2.434	2.345	6.459	0.612	0.502	31.90	
27.6.	108	28	1	20:05	#NV	9.614	4.278	0.395	4.278	2.971	1.375	0.375	30.91	

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Date	Sta.	Depth m	%Light %	Inc. Start	Irrad. Received Eins/m2/d	Average Total Prim.Prod mg/m3/d	Std Total Prim.Prod mg/m3/d	Total Dark Uptake mg/m3/d	Average >5 µm Prim.Prod mg/m3/d	STD >5 µm Prim.Prod mg/m3/d	>5 µm Dark Uptake mg/m3/d	Prim.Prod Cells>5 µm %
28.6.	110	1.6	100	00:45	#NV	11.884	0.168	0.423	1.361	0.326	0.084	11.45
28.6.	110	3.6	50	00:45	#NV	14.515	0.103	0.435	1.085	0.025	0.470	7.48
28.6.	110	6.3	30	00:45	#NV	10.596	1.383	1.093	1.047	0.267	0.270	9.89
28.6.	110	11.2	15	00:45	#NV	10.605	0.494	0.249	0.709	0.086	0.295	6.69
28.6.	110	19.5	5	00:45	#NV	7.691	0.029	0.470	0.471	0.010	0.110	6.12
28.6.	110	23	1	00:45	#NV	5.224	#NV	0.842	0.477	#NV	0.253	9.13
30.6.	115	1.5	100	08:20	#NV	6.780	0.197	0.438	1.236	0.027	0.199	18.23
30.6.	115	5	50	08:20	#NV	9.036	0.284	0.426	2.155	0.174	0.318	23.85
30.6.	115	8	30	08:20	#NV	7.760	0.210	1.518	1.575	0.515	0.337	20.30
30.6.	115	14	15	08:20	#NV	9.587	0.040	0.812	1.447	0.052	0.265	15.10
30.6.	115	20	5	08:20	#NV	10.099	0.305	0.730	0.686	0.013	0.373	6.79
30.6.	115	23	1	08:20	#NV	1.555	0.315	1.017	0.165	0.143	0.443	10.64
30.6.	115	30	0.1	08:20	#NV	3.994	0.180	0.621	0.314	0.050	0.262	7.87
01.7.	119	2	100	19:25	#NV	4.697	0.193	0.434	0.819	0.115	0.197	17.44
01.7.	119	6	50	19:25	#NV	10.895	4.612	0.566	1.084	0.040	0.241	9.95
01.7.	119	10.5	30	19:25	#NV	5.917	0.121	0.554	1.434	0.233	0.542	24.23
01.7.	119	16	15	19:25	#NV	6.193	0.440	0.801	1.318	0.031	0.324	21.28
01.7.	119	26	5	19:25	#NV	4.640	0.268	0.330	0.053	0.053	0.496	1.13
01.7.	119	27	1	19:25	#NV	1.076	0.010	0.311	0.238	0.238	0.299	22.09
01.7.	119	40	0.1	19:25	#NV	0.457	0.009	0.416	0.031	0.008	0.280	6.86

Date	Sta.	Depth m	%Light %	Inc. Start	Irrad. Received Eins/m2/d	Average Total Prim.Prod mg/m3/d	Std Total Prim.Prod mg/m3/d	Total Dark Uptake mg/m3/d	Average >5 µm Prim.Prod mg/m3/d	STD >5 µm Prim.Prod mg/m3/d	>5 µm Dark Uptake mg/m3/d	Prim.Prod Cells>5 µm %
02.7.	121	1.7	100	13:00	#NV	16.004	0.062	0.965	4.718	0.014	0.454	29.48
02.7.	121	6.3	50	13:00	#NV	12.466	0.076	0.551	3.622	0.149	0.317	29.05
02.7.	121	9	30	13:00	#NV	12.114	0.021	0.649	3.053	0.071	0.222	25.20
02.7.	121	15	15	13:00	#NV	10.815	0.488	0.403	2.061	0.263	0.816	19.06
02.7.	121	20	5	13:00	#NV	7.870	0.774	1.135	1.714	0.105	0.205	21.77
02.7.	121	25	1	13:00	#NV	0.883	0.222	0.586	0.004	0.004	0.560	0.41
02.7.	121	37	0.1	13:00	#NV	0.680	0.224	0.635	0.361	0.104	0.289	53.03
04.7.	130	1.5	100	11:15	#NV	1.410	0.967	0.950	1.147	0.205	1.275	81.32
04.7.	130	7	50	11:15	#NV	2.652	0.070	0.543	0.917	0.224	0.887	34.59
04.7.	130	8.5	30	11:15	#NV							
04.7.	130	17	5	11:15	#NV	1.286	0.209	0.630	0.209	0.168	0.810	16.24
04.7.	134	1.6	100	20:40	#NV	10.784	1.045	2.186	7.733	0.594	1.113	71.71
04.7.	134	3.7	50	20:40	#NV	3.750	0.899	2.009	5.268	0.542	1.507	100.00
04.7.	134	7.2	30	20:40	#NV	2.595	0.171	1.030	2.997	0.076	0.492	100.00
04.7.	134	23.6	5	20:40	#NV	2.991	1.298	2.783	3.870	0.963	1.148	100.00
04.7.	135	1.6	100	23:45	#NV	62.603	1.249	1.634	51.627	12.229	0.792	82.47
04.7.	135	4.4	50	23:45	#NV	76.787	0.019	1.734	73.068	1.627	0.963	95.16
04.7.	135	7	30	23:45	#NV	50.884	0.502	4.955	44.764	4.437	3.087	87.97
04.7.	135	18	5	23:45	#NV	1.785	1.158	1.644	0.842	0.077	1.178	47.20

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Date	Sta.	Depth m	%Light %	Inc. Start	Irrad. Received Eins/m2/d	Average Total Prim.Prod mg/m3/d	Std Total Prim.Prod mg/m3/d	Total Dark Uptake mg/m3/d	Average >5 µm Prim.Prod mg/m3/d	STD >5 µm Prim.Prod mg/m3/d	>5 µm Dark Uptake mg/m3/d	Prim.Prod Cells>5 µm %
04.7.	136	1.6	100	03:20	#NV	15.436	0.272	0.726	11.275	1.288	1.999	73.04
04.7.	136	4.2	50	03:20	#NV	17.757	0.633	0.956	17.990	0.738	0.434	100.00
04.7.	136	7.5	30	03:20	#NV	7.257	0.658	1.618	4.632	0.418	4.396	63.83
04.7.	136	19	5	03:20	#NV	3.736	0.299	1.211	3.311	0.755	1.419	88.62
05.7.	137	1.6	100	08:05	#NV	41.548	6.137	1.208	29.082	2.279	0.864	70.00
05.7.	137	6	50	08:05	#NV	21.334	7.014	3.570	19.282	3.207	2.473	90.38
05.7.	137	9	30	08:05	#NV	11.905	2.614	3.076	8.074	1.176	2.325	67.82
05.7.	137	22	5	08:05	#NV	4.063	0.001	1.634	1.514	0.482	0.935	37.27
05.7.	138	1.6	100	13:10	#NV	50.958	0.154	4.238	51.655	0.930	1.128	100.00
05.7.	138	5.5	50	13:10	#NV	26.013	3.952	1.684	24.506	2.598	2.053	94.21
05.7.	138	7	30	13:10	#NV	11.562	0.613	1.279	8.473	0.622	2.203	73.28
05.7.	138	11	5	13:10	#NV	5.761	1.351	1.342	2.368	0.827	0.500	41.11
07.7.	141	1.9	100	20:45	#NV	19.627	1.234	3.743	18.259	0.250	1.642	93.03
07.7.	141	3.1	50	20:45	#NV	24.769	1.436	1.636	20.870	0.271	1.505	84.26
07.7.	141	6	30	20:45	#NV	34.851	2.394	1.912	26.883	1.386	1.662	77.14
07.7.	141	17	5	20:45	#NV	0.000	0.000	3.405	0.000	0.000	1.873	
07.7.	142	1.6	100	23:15	#NV	35.786	0.038	1.336	29.689	0.886	1.597	82.96
07.7.	142	2.7	50	23:15	#NV	52.377	0.532	4.456	46.693	5.767	1.138	89.15
07.7.	142	4.8	30	23:15	#NV	59.918	3.529	3.352	54.463	0.117	2.442	90.90
07.7.	142	13	5	23:15	#NV	54.744	4.614	3.081	49.505	5.999	3.568	90.43

Date	Sta.	Depth m	%Light %	Inc. Start	Irrad. Received Eins/m2/d	Average Total Prim.Prod mg/m3/d	Std Total Prim.Prod mg/m3/d	Total Dark Uptake mg/m3/d	Average >5 µm Prim.Prod mg/m3/d	STD >5 µm Prim.Prod mg/m3/d	>5 µm Dark Uptake mg/m3/d	Prim.Prod Cells>5 µm %
08.7.	143	1.6	100	03:10	#NV	85.630	1.623	2.243	75.821	1.721	1.034	88.55
08.7.	143	2	50	03:10	#NV	88.018	7.383	3.172	89.294	6.466	1.615	100.00
08.7.	143	4	30	03:10	#NV	91.162	3.398	3.054	83.228	3.806	1.933	91.30
08.7.	143	11	5	03:10	#NV	88.088	1.105	2.019	77.174	3.896	2.843	87.61
08.7.	144	1.6	100	07:00	#NV	9.631	0.447	1.290	6.875	0.533	0.533	71.38
08.7.	144	5	50	07:00	#NV	13.584	0.284	1.321	12.142	0.556	0.858	89.39
08.7.	144	22	5	07:00	#NV	27.461	1.128	1.828	22.996	0.210	0.775	83.74
08.7.	145	1.7	100	14:10	#NV	32.023	0.831	1.704	30.481	0.362	1.725	95.18
08.7.	145	4	50	14:10	#NV	23.974	#NV	1.602	20.030	#NV	1.021	83.55
08.7.	145	7	30	14:10	#NV	21.333	2.045	2.449	18.075	0.685	1.263	84.73
08.7.	145	14	5	14:10	#NV	57.563	2.492	1.958	49.186	4.279	1.009	85.45
10.7.	155	1.6	100	22:50	#NV	10.711	0.353	1.220	5.400	1.657	0.768	50.42
10.7.	155	2.8	50	22:50	#NV	19.391	1.663	2.205	9.777	1.573	0.760	50.42
10.7.	155	5.7	30	22:50	#NV	19.141	3.311	3.493	11.231	0.303	0.811	58.68
10.7.	155		15	22:50	#NV	60.892	0.343	1.922	30.330	1.295	1.219	49.81
10.7.	155	14.6	5	22:50	#NV	73.055	3.374	2.898	35.649	2.421	0.766	48.80
10.7.	155		1	22:50	#NV	32.406	11.380	5.163	23.150	5.966	1.314	71.44
10.7.	155		0.1	22:50	#NV	25.761	4.329	2.331	15.612	1.156	0.858	60.60

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Date	Sta.	Depth m	%Light %	Inc. Start	Irrad. Received Eins/m2/d	Average Total Prim.Prod mg/m3/d	Std Total Prim.Prod mg/m3/d	Total Dark Uptake mg/m3/d	Average >5 µm Prim.Prod mg/m3/d	STD >5 µm Prim.Prod mg/m3/d	>5 µm Dark Uptake mg/m3/d	Prim.Prod Cells>5 µm %
12.7.	165	1.7	100	10:10	#NV	170.330	5.414	11.996	140.775	12.840	18.397	82.65
12.7.	165	4	50	10:10	#NV	254.676	0.305	3.771	178.472	1.029	10.133	70.08
12.7.	165	6	30	10:10	#NV	195.944	2.836	9.534	149.430	0.408	3.878	76.26
12.7.	165	15	5	10:10	#NV	163.368	0.625	9.313	130.787	0.651	7.087	80.06
12.7.	166	1.7	100	17:20	#NV	7.864	0.494	2.507	3.201	0.177	1.735	40.70
12.7.	166	3.4	50	17:20	#NV	20.401	3.451	1.658	8.906	1.425	0.722	43.65
12.7.	166	6.3	30	17:20	#NV	18.312	0.496	1.709	11.497	0.273	0.642	62.78
12.7.	166	16.3	5	17:20	#NV	37.086	4.307	1.314	22.077	0.134	0.723	59.53
12.7.	168	1.7	100	00:55	#NV	60.848	3.606	1.101	53.866	6.961	3.101	88.53
12.7.	168	4.7	50	00:55	#NV	46.632	1.254	3.202	45.289	4.655	3.402	97.12
12.7.	168	8	30	00:55	#NV	31.006	0.032	1.884	33.259	3.578	1.565	100.00
12.7.	168	12.4	5	00:55	#NV	6.614	0.173	2.798	11.088	1.067	1.777	100.00
13.7.	170	1.8	100	02:25	#NV	41.039	4.122	0.797	33.464	1.793	2.798	81.54
13.7.	170	4.9	50	02:25	#NV	25.391	0.019	1.174	23.374	3.600	1.392	92.06
13.7.	170	7.4	30	02:25	#NV	18.472	0.594	1.131	13.278	1.299	4.174	71.88
13.7.	170	20.2	5	02:25	#NV	0.717	0.206	1.415	0.585	0.433	0.658	81.58
13.7.	172	3.6	100	07:40	#NV	14.359	1.542	1.689	10.785	0.813	0.439	75.11
13.7.	172	4	50	07:40	#NV	24.840	1.542	1.287	17.827	0.670	0.726	71.77
13.7.	172	7	30	07:40	#NV	35.985	2.318	1.750	31.764	0.289	1.787	88.27
13.7.	172	20	5	07:40	#NV	104.812	4.903	3.826	92.895	1.235	2.275	88.63

Date	Sta.	Depth m	%Light %	Inc. Start	Irrad. Received Eins/m2/d	Average Total Prim.Prod mg/m3/d	Std Total Prim.Prod mg/m3/d	Total Dark Uptake mg/m3/d	Average >5 µm Prim.Prod mg/m3/d	STD >5 µm Prim.Prod mg/m3/d	>5 µm Dark Uptake mg/m3/d	Prim.Prod Cells>5 µm %
13.7.	175	2	100	17:20	#NV	21.066	0.079	1.068	4.069	1.116	0.347	19.32
13.7.	175	2.8	50	17:20	#NV	21.177	0.022	1.125	1.783	0.038	1.284	8.42
13.7.	175	5.8	30	17:20	#NV	20.628	3.778	0.427	1.627	0.374	0.926	7.89
13.7.	175	19.3	5	17:20	#NV	11.537	0.221	0.312	3.053	0.046	0.941	26.46
13.7.	177	2	100	23:20	#NV	22.558	0.001	0.859	3.636	0.598	0.549	16.12
13.7.	177	6	50	23:20	#NV	26.865	2.164	0.659	7.711	1.549	0.367	28.70
13.7.	177	9	30	23:20	#NV	20.909	0.596	0.776	4.243	0.217	0.757	20.29
13.7.	177	23.2	5	23:20	#NV	6.010	0.018	2.159	0.575	0.472	0.414	9.57
14.7.	179	2.1	100	17:00	#NV	53.821	0.932	3.499	26.098	0.517	2.037	48.49
14.7.	179	5.7	50	17:00	#NV	54.234	4.283	5.013	30.089	4.384	3.524	55.48
14.7.	179	8.2	30	17:00	#NV	79.631	10.463	6.505	43.388	1.695	2.201	54.49
14.7.	179	15.7	5	17:00	#NV	119.816	7.764	5.333	67.945	25.557	4.234	56.71
15.7.	186	1.7	100	14:25	61.45	26.933	3.876	0.905	13.934	0.081	0.293	51.74
15.7.	186	3.3	50	14:25	30.73	23.796	0.631	0.810	10.800	0.646	0.295	45.39
15.7.	186	6	30	14:25	18.44	12.544	0.183	0.651	3.909	3.082	0.161	31.17
15.7.	186	13.7	5	14:25	3.07	29.233	1.813	1.008	17.776	0.718	0.377	60.81
15.7.	189	2.1	100	21:35	52.21	87.955	0.069	3.162	41.909	5.752	1.219	47.65
15.7.	189	2.6	50	21:35	26.11	68.411	15.004	3.387	32.337	1.351	0.902	47.27
15.7.	189	3.8	30	21:35	15.66	73.971	10.883	2.155	33.533	0.449	1.134	45.33
15.7.	189	10	5	21:35	2.61	60.348	0.299	2.699	27.010	2.947	1.344	44.76

Date	Sta.	Depth m	%Light %	Inc. Start	Irrad. Received Eins/m2/d	Average Total Prim.Prod mg/m3/d	Std Total Prim.Prod mg/m3/d	Total Dark Uptake mg/m3/d	Average >5 µm Prim.Prod mg/m3/d	STD >5 µm Prim.Prod mg/m3/d	>5 µm Dark Uptake mg/m3/d	Prim.Prod Cells>5 µm %
16.7.	197	1.9	100	17:40	42.24	32.885	1.166	0.907	12.434	0.744	0.408	37.81
16.7.	197	9	50	17:40	21.12	32.561	1.027	0.986	11.367	0.188	0.328	34.91
16.7.	197	9	30	17:40	12.67	28.191	0.615	0.674	9.225	0.617	0.106	32.72
16.7.	197	21	5	17:40	2.11	21.499	0.136	0.969	5.150	0.127	0.580	23.96
16.7.	201	1.7	100	23:55	49.96	39.628	0.394	0.716	7.366	0.432	0.174	18.59
16.7.	201	2.7	50	23:55	24.98	37.138	1.567	1.144	7.388	1.358	0.191	19.89
16.7.	201	4.2	30	23:55	14.99	31.036	0.671	0.709	6.071	0.041	0.210	19.56
16.7.	201	13.2	5	23:55	2.50	17.746	0.300	0.652	4.005	0.228	0.237	22.57
17.7.	206	2	100	13:50	48.83	43.048	1.866	0.579	9.795	1.665	0.109	22.75
17.7.	206	6	50	13:50	24.42	33.905	0.800	0.842	8.878	0.055	0.134	26.18
17.7.	206	6	30	13:50	14.65	17.073	0.265	0.789	4.143	0.051	0.299	24.26
17.7.	206	17	5	13:50	2.44	10.169	1.243	0.544	2.799	0.313	0.178	27.53
17.7.	210	1.7	100	21:00	44.32	35.489	1.763	0.448	12.129	0.535	0.129	34.18
17.7.	210	5.5	50	21:00	22.16	38.444	1.459	0.553	10.466	2.044	0.481	27.22
17.7.	210	8.6	30	21:00	13.30	28.930	0.689	0.652	9.025	1.861	0.563	31.20
17.7.	210	19.6	5	21:00	2.22	19.960	0.744	1.195	7.635	#NV	0.357	38.25
19.7.	217	1.8	100	16:40	25.88	139.210	3.712	8.401	127.136	35.494	4.690	91.33
19.7.	217	3.8	50	16:40	12.94	104.957	0.004	3.320	98.006	2.550	1.665	93.38
19.7.	217	6.5	30	16:40	7.76	61.440	0.627	2.476	73.120	4.713	1.081	100.00
19.7.	217	11.7	5	16:40	1.29	124.243	4.744	4.019	96.129	8.065	3.514	77.37

Date	Sta.	Depth m	%Light %	Inc. Start	Irrad. Received Eins/m2/d	Average Total Prim.Prod mg/m3/d	Std Total Prim.Prod mg/m3/d	Total Dark Uptake mg/m3/d	Average >5 µm Prim.Prod mg/m3/d	STD >5 µm Prim.Prod mg/m3/d	>5 µm Dark Uptake mg/m3/d	Prim.Prod Cells>5 µm %
20.7.	219	2.6	100	06:45	28.18	31.048	1.586	1.083	3.274	1.983	0.447	10.55
20.7.	219	5	50	06:45	14.09	32.496	0.727	0.446	1.826	0.636	1.026	5.62
20.7.	219	15	5	06:45	1.41	15.635	0.385	0.540	0.647	0.082	0.626	4.14
20.7.	221	2.5	100	13:25	35.29	30.037	0.463	1.708	11.342	1.939	0.352	37.76
20.7.	221	5	50	13:25	17.65	70.002	2.185	1.568	22.221	2.056	0.331	31.74
20.7.	221	9	30	13:25	10.59	68.800	1.458	0.679	24.311	2.238	0.344	35.33
20.7.	221	20	5	13:25	1.76	39.809	4.885	0.404	19.975	2.617	0.447	50.18
20.7.	223	1.7	100	19:10	34.46	25.414	1.434	0.813	16.457	1.066	0.309	64.76
20.7.	223	5.6	50	19:10	17.23	64.920	3.520	1.062	49.948	0.581	0.431	76.94
20.7.	223	7.4	30	19:10	10.34	92.563	5.093	1.380	92.008	2.414	0.646	99.40
20.7.	223	18.2	5	19:10	1.72	111.128	2.956	1.416	85.685	1.394	0.758	77.10
21.7.	226	2.1	100	07:30	34.56	5.105	0.742	0.649	3.333	0.184	0.137	65.29
21.7.	226	5.8	50	07:30	17.28	23.662	0.189	0.917	10.979	2.067	0.244	46.40
21.7.	226	8.6	30	07:30	10.37	23.980	0.125	0.912	8.268	6.544	0.303	34.48
21.7.	226	15.3	5	07:30	1.73	45.283	13.165	1.518	17.471	1.036	0.672	38.58
21.7.	229	1.7	100	13:10	36.40	76.524	1.635	1.653	33.362	0.677	0.858	43.60
21.7.	229	4	50	13:10	18.20	68.280	10.991	1.021	30.335	0.531	1.442	44.43
21.7.	229	13	5	13:10	1.82	40.658	3.052	1.157	20.813	1.253	0.858	51.19

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Date	Sta.	Depth m	%Light %	Inc. Start	Irrad. Received Eins/m2/d	Average Total Prim.Prod mg/m3/d	Std Total Prim.Prod mg/m3/d	Total Dark Uptake mg/m3/d	Average >5 µm Prim.Prod mg/m3/d	STD >5 µm Prim.Prod mg/m3/d	>5 µm Dark Uptake mg/m3/d	Prim.Prod Cells>5 µm %
23.7.	238	2	100	14:45	45.31	16.705	0.473	0.498	3.621	0.170	0.132	21.68
23.7.	238	4	50	14:45	22.66	17.220	0.615	0.606	3.725	0.419	0.266	21.63
23.7.	238	15	5	14:45	2.27	3.523	0.162	0.503	0.428	0.181	0.218	12.16
24.7.	255	1.7	100	23:30	41.11	46.452	1.292	2.444	60.516	19.562	0.253	100.00
24.7.	255	4	50	23:30	20.55	48.468	2.398	0.692	33.121	0.073	0.456	68.33
24.7.	255	5.5	30	23:30	12.33	32.398	0.546	0.528	23.233	2.040	0.496	71.71
24.7.	255	7	15	23:30	6.17	47.712	0.087	0.598	41.690	2.854	0.346	87.38
24.7.	255	11	5	23:30	2.06	22.184	2.928	0.815	14.766	1.372	0.424	66.56
24.7.	255	13	1	23:30	0.41	9.753	3.198	0.704	7.543	2.484	0.342	77.34
24.7.	255	15	0.1	23:30	0.04	19.786	0.840	0.994	17.664	1.602	0.557	89.28
26.7.	258		100	06:45	44.16	22.937	1.402	1.119	12.800	0.195	0.271	55.81
26.7.	258		50	06:45	22.08	34.383	0.772	0.969	16.010	0.916	0.307	46.56
26.7.	258		30	06:45	13.25	15.752	0.079	0.699	6.596	0.285	0.278	41.88
26.7.	258		5	06:45	2.21	6.426	0.293	0.629	2.471	0.065	0.374	38.45
27.7.	263	2.3	100	06:30	42.66	55.039	2.585	1.565	36.497	2.564	0.423	66.31
27.7.	263	3.5	50	06:30	21.33	125.819	32.231	1.631	47.187	0.538	1.077	37.50
27.7.	263	5	30	06:30	12.80	77.207	0.692	0.970	51.363	3.359	0.422	66.53
27.7.	263	16	5	06:30	2.13	48.993	2.905	4.286	41.588	1.557	7.800	84.89

Date	Sta.	Depth m	%Light %	Inc. Start	Irrad. Received Eins/m2/d	Average Total Prim.Prod mg/m3/d	Std Total Prim.Prod mg/m3/d	Total Dark Uptake mg/m3/d	Average >5 µm Prim.Prod mg/m3/d	STD >5 µm Prim.Prod mg/m3/d	>5 µm Dark Uptake mg/m3/d	Prim.Prod Cells>5 µm %
27.7.	265	1.9	100	15:00	35.41	11.608	0.930	0.687	10.716	1.764	0.199	92.32
27.7.	265	6.3	50	15:00	17.71	26.335	2.331	0.388	13.547	0.512	0.176	51.44
27.7.	265	10	30	15:00	10.62	25.265	5.202	0.775	14.446	0.095	0.198	57.18
27.7.	265	22.4	5	15:00	1.77	29.511	4.672	0.488	13.479	0.446	0.303	45.68
27.7.	266	2.1	100	18:05	30.61	7.779	0.203	0.466	6.958	0.667	0.185	89.45
27.7.	266	4.2	50	18:05	15.30	16.830	0.017	0.425	9.610	0.077	0.158	57.10
27.7.	266	7.1	30	18:05	9.18	17.202	0.318	0.573	10.958	1.100	0.166	63.70
27.7.	266	25.3	5	18:05	1.53	26.721	1.868	0.533	16.317	0.255	0.231	61.06
27.7.	267	1.8	100	22:30	26.07	27.742	2.532	1.073	19.838	2.354	0.450	71.51
27.7.	267	50	5	22:30	1.30	58.080	11.765	1.683	33.826	2.732	0.868	58.24



## 6 Zooplankton dry weight

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Dry weight was determined from bongo net tows (200  $\mu\text{m}$  mesh). The sample was split, drained over 200  $\mu\text{m}$  and filtered on pre-weighed GF/A filters (55 mm diameter). Large medusae and ctenophores were removed. The sample was deep frozen until analysis. After drying at 60°C over 48 h the filter was weighed. No correction was made for phytoplankton collected on the filter.

Station	Depth	Split	DW filter (mg)	DW (mg m <sup>2</sup> )
3	100	0,5	226	800
4	100	0,5	134	475
5	100	0,5	328	1159
6	100	0,5	458	1621
7	100	0,5	653	2312
8	100	0,5	201	711
9	100	0,5	204	721
10	100	0,5	260	919
11	100	0,5	219	774
12	48	0,5	57	203
13	23	1	7	26
14	100	0,5	79	280
15	100	0,5	47	167
16	100	0,5	70	247
17	100	0,5	57	201
19	65	0,5	137	483
20	100	0,5	68	240
21	100	0,5	343	1214
22	100	0,5	195	689
23	100	0,5	293	1036
24	80	0,5	203	718
25	80	0,5	182	645
27	100	0,5	241	854
28	100	0,5	151	534
29	100	0,5	216	766
33	50	0,5	136	481
34	50	0,5	93	330
35	70	0,5	143	507
36	40	0,5	64	226
37	35	0,5	81	287
38	67	0,5	111	393
39	35	0,5	83	294
40	45	0,5	147	522
41	100	0,5	221	783
43	40	0,5	70	248
44	45	0,5	128	454
45	65	0,5	198	699
46	100	0,5	316	1120

Station	Depth	Split	DW filter (mg)	DW (mg m <sup>2</sup> )
47	100	0,5	564	1995
48	243	0,5	1256	4444
49	140	0,5	587	2076
51	120	0,5	328	1161
52	165	0,5	629	2226
53	148	0,5	609	2154
54	211	0,5	704	2492
55	210	0,5	535	1892
56	110	0,5	285	1010
57	212	0,5	672	2379
58	259	0,5	459	1623
61	281	0,5	572	2023
62	165	0,5	371	1314
63	205	0,5	269	953
64	406	0,5	1850	6546
65	257	0,5	1114	3943
66	188	0,5	224	793
67	76	0,5	215	762
68	70	0,5	59	207
69	52	0,5	84	299
70	35	0,5	148	522
71	124	0,5	158	559
72	190	0,5	377	1335
73	298	0,5	1321	4675
74	242	0,5	1474	5217
75	272	0,5	1811	6407
76	115	0,5	168	594
77	395	0,5	1633	5778
80	180	0,5	493	1745
81	70	0,5	244	862
82	49	0,5	181	640
83	55	0,5	141	500
84	40	1	94	333
85	250	0,5	1069	3782
86	40	0,5	182	643
87	42	0,5	365	1291
88	60	0,5	546	1931
89	95	0,5	616	2180
90	245	0,5	1514	5357
91	265	0,5	1539	5447
92	130	0,5	541	1916
93	236	0,5	1054	3730
94	240	0,5	281	994
95	310	0,5	446	1577
98	150	0,5	435	1538
99	260	0,5	805	2847
100	410	0,5	817	2892
101	197	0,5	639	2260
102	226	0,5	761	2693
103	305	0,5	1127	3987
104	300	0,5	688	2435
108	100	0,5	2242	7933

Station	Depth	Split	DW filter (mg)	DW (mg/m <sup>2</sup> )
109	200	0,5	992	3510
110	200	0,5	809	2864
111	200	0,5	607	2148
112	200	0,5	373	1320
113	200	0,5	1933	6840
114	200	0,5	918	3247
115	200	0,5	539	1909
116	200	0,5	2986	10565
117	200	0,5	408	1445
118	200	0,5	583	2062
119	200	0,5	868	3070
120	200	0,5	337	1193
121	200	0,5	196	695
123	200	0,5	806	2851
125	200	0,5	613	2171
126	200	0,5	897	3174
127	35	0,5	110	390
128	110	0,5	115	408
129	180	0,5	129	456
130	200	0,5	399	1413
131	240	0,5	343	1213
132	245	0,5	438	1551
133	100	0,5	230	812
134	180	0,5	438	1551
135	350	0,5	928	3283
136	360	0,5	792	2803
137	325	0,5	991	3507
138	200	0,5	484	1712
139	280	0,5	1626	5753
140	200	0,5	590	2088
141	200	0,5	702	2485
142	200	0,5	1717	6076
143	200	0,5	1901	6725
144	200	0,5	1622	5740
145	200	0,5	1214	4294
146	200	0,5	587	2078
147	200	0,5	262	926
148	200	0,5	129	458
150	200	0,5	1874	6631
151	200	0,5	1107	3919
152	200	0,5	2170	7679
153	100	0,5	1008	3567
154	140	0,5	1029	3640
155	180	0,5	2348	8310
156	150	0,5	530	1877
157	200	0,5	567	2006
158	200	0,5	436	1544
159	200	0,5	1388	4912
160	200	0,5	1888	6682
161	200	0,5	1016	3596
162	200	0,5	777	2749
163	60	0,5	399	1413

Station	Depth	Split	DW filter (mg)	DW (mg m <sup>2</sup> )
165	200	0,5	1658	5868
166	180	0,5	467	1651
167	200	0,5	304	1077
168	200	0,5	188	664
169	200	0,5	1215	4299
170	140	0,5	306	1081
171	200	0,5	1211	4284
172	85	0,5	2429	8594
173	95	0,5	1038	3673
175	200	0,5	238	843
176	200	0,5	436	1544
177	200	0,5	519	1836
178	150	0,5	384	1359
179	200	0,5	369	1304
180	200	0,5	1905	6740
181	200	0,5	596	2110
182	200	0,5	975	3450
183	115	0,5	1424	5038
184	200	0,5	687	2432
185	145	0,5	460	1627
186	58	0,5	618	2187
187	45	0,5	194	688
188	35	0,5	414	1464
189	60	0,5	217	768
190	45	0,5	564	1996
191	40	0,5	689	2437
192	42	0,5	516	1826
193	100	0,5	642	2271
194	113	0,5	580	2052
195	115	0,5	336	1189
196	120	0,5	111	391
197	90	0,5	251	889
198	135	0,5	114	403
199	90	0,5	173	611
200	145	0,5	138	487
201	165	0,5	179	632
202	180	0,5	271	958
203	185	0,5	298	1053
205	185	0,5	205	726
206	200	0,5	244	863
207	180	0,5	103	363
208	200	0,5	186	660
210	200	0,5	251	890
211	200	0,5	224	793
217	200	0,5	432	1528
218	163	0,5	540	1910
219	100	0,5	189	667
220	135	0,5	651	2303
221	155	0,5	466	1648
222	200	0,5	1025	3628
223	200	0,5	674	2386
224	200	0,5	863	3052

Station	Depth	Split	DW filter (mg)	DW (mg m <sup>2</sup> )
225	100	0,5	1063	3762
226	200	0,5	854	3021
227	85	0,5	619	2190
228	55	0,5	578	2044
229	58	0,5	273	966
231	200	0,5	241	852
232	200	0,5	548	1938
233	200	0,5	327	1159
234	170	0,5	98	346
235	85	0,5	858	3035
236	115	0,5	265	937
237	185	0,5	688	2434
238	200	0,5	593	2098
240	48	0,5	504	1782
242	35	0,5	119	422
244	110	0,5	138	490
246	180	0,5	124	438
248	200	0,5	183	648
250	200	0,5	179	635
252	200	0,5	335	1186
254	200	0,5	467	1651
259	200	0,5	727	2573
260	200	0,5	671	2375
261	200	0,5	1778	6292
262	200	0,5	1162	4111
263	200	0,5	1317	4662
264	200	0,5	1685	5962
265	200	0,5	1472	5207
266	200	0,5	516	1825
267	200	0,5	407	1442
271	200	0,5	2029	7180
272	200	0,5	1745	6175
273	150	0,5	1020	3609

## 7 Zooplankton grazing

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### Introduction

This is an interim data report of the samples we have been able to analyze and work up as of 1 December 1993. It contains data obtained during cruises ARK IX/2 and ARK IX/3, and the results of fluorometric analyses of frozen samples of appendicularians and seston. The aim of this research is to simultaneously determine the feeding impact of copepods and appendicularian tunicates on a broad space and time scale in the North-East Water Polynya. To do this, we made use of the gut phytopigment method (e.g. Madin, 1992, in salps; Head, 1986, in copepods), which involves the estimation of gut phytopigment content and gut passage time. The method has been widely used in copepods, but never in appendicularians.

### Methods

Tunicates and copepods were collected using vertical hauls of a 200  $\mu\text{m}$  mesh net with a 0.5 m diameter mouth from 200 m depth to the surface. Cod-end contents were immediately taken to a 0°C cold container laboratory and diluted with filtered seawater from near surface. Following the removal of a subsample for taxonomy, ca. 50 copepods were sieved from the bucket with a 500  $\mu\text{m}$  mesh cup and rinsed repeatedly in filtered seawater to remove phytoplankton. Next, the content of the sieve cup was concentrated and pipetted onto a 45 mm diameter disk of sharkskin filter paper, folded into an aluminum foil sleeve and flash frozen in liquid nitrogen. Samples were stored at -20°C until analysis.

Following removal of the copepod subsample, appendicularians were picked by hand from the remaining cod-end contents. Each was rinsed repeatedly in filtered seawater, and pipetted into a petri dish. After 5-20 animals had been rinsed, each was identified and measured under red light in a dissecting microscope to the nearest 0.02 mm, and the number of fecal pellets present recorded. Single fecal pellets were then transferred to 1.5 ml Eppendorf tubes which were flash frozen in liquid nitrogen and stored as above for copepods. In part of the stations, animals that were active but unable to build filter houses were placed onto petri dishes and allowed to evacuate their guts for 1-2h. Fecal pellets were then collected for gut pigment as above. The following summary contains the standard protocol used in our laboratory for gut pigment analysis of appendicularians. Eppendorf tubes containing individual appendicularians were sonicated for 10 min and extracted in 90% acetone for 24 h. A second sonication was made during extraction to ensure high recovery of pigments. Pigment analysis is done by the standard fluorometric technique using a Sequoia-Turner model 450 instrument calibrated against a pure chlorophyll standard. Total phaeopigments were determined after acidification of the extract. The extracted samples were maintained at 0°C, but were read at room temperature. Periodically, samples are set aside for detailed pigment composition analysis using HPLC.

Copepods for gut passage time experiments were collected from the 200 mm mesh plankton net as above for gut pigment analysis. Following isolation with a 500 mm mesh sieve cup, the animals were backwashed into 500 ml of water collected with a Niskin bottle from the subsurface chlorophyll maximum (SCM). Simultaneously, 400 ml of water from the SCM were stained with 2 drops of concentrated neutral red stain. After a preincubation interval of from 1-12 h, 20 ml of the stained sample was poured into each of 20 petri dishes. Next, a single animal was pipetted into each dish and the initial time recorded. For the next 4 h each dish was examined microscopically for fecal pellets every 20 min, followed by examination each 60 min up to 6 h after time initial. All fecal pellets were recorded, and the time of appearance of the first fecal pellet containing stained phytoplankton recorded. The gut passage time was defined as the interval between the initial time and the time of appearance of the first stained phytoplankton in a pellet. The animals were then left for 12 h and examined to determine the total number that released stained fecal pellets. Following the experiment, each animal was identified and staged, and the cephalothorax length measured to the nearest 0.04 mm.

Appendicularians for gut passage time experiments were collected with a large cod-end plankton net made of 110 mm mesh. The net is 1 m in diameter, and the closed, acrylic cod-end measures 30 x 60 cm (40 liters). The net was towed very slowly from 100 m to the surface. Immediately after the tow, the cod-end was carried to the 0°C laboratory container, and appendicularians in their houses removed with a custom designed, large diameter slurp syringe that we have recently developed (Acuna et al., submitted). Single animals were transferred to beakers of water collected from beneath the SCM, which was prefiltered through 20 µm mesh. Next, the beakers were hung from the ceiling of the container from elastic bands. This independent suspension system was necessary because we found the appendicularians to be impossible to maintain in beakers on the laboratory bench, apparently because of their sensitivity to ship vibrations, particularly during ice-breaking operations. We found appendicularians in these hanging beakers to behave normally, and to build a number of houses over 12-24 h time. We did not attempt to determine how long we could maintain appendicularians alive using this system.

After it was determined that an appendicularian was pumping normally within its house, a dilute suspension of cornstarch was added to the beaker and mixed gently. Over the next several hours each animal was observed continuously, and the time of appearance of each fecal pellet recorded. The gut passage time was defined as the difference between the initial time and the time of appearance of the first fecal pellet containing the white cornstarch marker. Fecal pellet production rate was calculated by dividing the total number of pellets produced by the incubation interval. The estimated number of faecal pellets was calculated by dividing the gut passage time of each animal by the average time between successive faecal pellets.

## Results

Chlorophyll-a concentrations during ARK IX/2 ranged between 0.01 and 4.34 mg l<sup>-1</sup>, and total phaeopigment concentrations between 0.11 and 4.92 mg l<sup>-1</sup> (Table 1). The percentage of phaeopigments varied between 52 and 88, averaging of 69±13% (mean±SD, n=10). In general, it tended to decrease with increasing concentration of total pigments.

Total gut pigment in *O.vanhoeffeni* plus *O.labradoriensis* ranged between detection limit and 119 ng individual<sup>-1</sup>; faecal pellet pigment content varied between detection limit and 81 ng faecal pellet<sup>-1</sup>. On average, phaeopigments made up 94±10% (mean±SD) of the total gut pigment content. There was a general trend towards increasing total gut pigment with increasing body size. When pooling all samples, this trend was still apparent (Figure 7). The shape of this relationship suggests a power function of gut pigment content vs body size in *O.labradoriensis*. Undoubtedly, areal differences in chlorophyll concentration may account for much of the scatter in fig. 7a.

*O.labradoriensis* and *O.vanhoeffeni* showed similar average gut passage times of about 75 minutes, similar average time interval between faecal pellets of about 40 minutes, and similar faecal pellet production rates of about 40 faecal pellets per day (Table 2). None of these rates showed significant differences between species (Kruskall-Wallis ranks test; P>0.25).

Table 3 contains an initial descriptive statistical analysis of the gut passage time (GPT) experiments done with copepods. GPT ranged from ca. 60 min. for adult females of *C. finmarchicus* to ca. 190 min. for adult females of *C. glacialis*. The GPT results are most distinguished by their variability, with coefficients of variation within stages ranging from 29-85%. Typically, the GPT data were not normally distributed, therefore the median GPT is reported in Table 4. In general, GPT decreased with increasing stage and body size within each species, with significant regressions between GPT and body size in *C. finmarchicus* (n=23, F=3.37, p=0.08) and *C. hyperboreus* (n=86, F=6.21, p=0.01), and between GPT and stage in *C. hyperboreus* (n=86, F=5.60, p=0.02). The above regression slopes were always negative. However, due to the high variability of the GPT data, the proportion of variance accounted for by the above regressions was never > 10%. It should be remembered that many factors can affect GPT, including temperature, body size, food concentration, time of day, etc. How much of the total variance remaining that may be explained by these other factors awaits further data analysis.

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Table 1. Pigment content of water samples collected during ARK IX/3.

Station	Depth (m)	Chlorophyll a (mg l <sup>-1</sup> )	Total phaeopigments (mg l <sup>-1</sup> )	Percentage phaopigments (mg l <sup>-1</sup> )
110	23 (chla max)	0.42	2.08	83
115	20 (chla max)	0.32	1.43	81
121	30 (chla max)	0.01	0.11	88
130	8 (chla max)	0.04	0.13	76
138	5 (chla max)	1.44	2.88	66
140	-- (chla max)	4.16	4.92	54
140	-- (chla max)	4.34	4.77	52
140	-- (0.1% light)	1.08	1.38	56
145	-- (chla max)	2.79	3.36	54
145	50	0.13	0.22	62

Table 2. Statistical summary (mean±SD) of the gut passage times and faecal pellet production rates of 2 appendicularian tunicate species in the NEW polynya, determined using a comstarch marker technique.

	<i>O. labradoriensis</i>	<i>O. vanhoeffeni</i>
length (mm)	1.45±0.33 (n=12)	2.73±0.58 (n=10)
gut passage time (min)	78±20 (n=12)	70±22 (n=10)
interval between faecal pellets (min)	40±17 (n=11)	38±10 (n=7)
faecal pellet production rate (fp day <sup>-1</sup> )	42±17 (n=11)	39±10 (n=7)
observed number of faecal pellets per indiv.	2.01±0.63 (n=190)	2.03±0.75 (n=78)

Table 3. Summary statistics of the gut passage times of developmental stages of 3 copepod species in the NEW Polynya, determined on single individuals fed naturally occurring phytoplankton pre-stained with neutral red.

Species	Stage	Sex	n	Mean gut passage time (min)	95% confidence limits	CV %
<i>C. finmarchicus</i>	C2	-	4	169	58-280	44
	C3	-	4	164	26-302	56
	C4	-	8	140	82-198	59
	C5	-	6	116	46-186	85
	C6	f	1	61	-	-
<i>C. glacialis</i>	C4	-	13	172	116-228	58
	C5	-	37	144	114-174	63
	C6	f	2	186	69-303	29
<i>C. hyperboreus</i>	C3	-	16	156	124-188	41
	C4	-	21	161	123-199	54
	C5	-	38	129	107-151	52
	C6	f	11	100	60-140	68

Table 4. Median gut passage times of 3 copepod species from the NEW polynya, including the proportion of animals that did not feed during our experiments.

Species	Stage	Sex	n	Median gut passage time (min)	% of animals not feeding
<i>C. finmarchicus</i>	C2	-	4	169	33
	C3	-	4	151	50
	C4	-	8	122	43
	C5	-	6	85	63
	C6	f	1	-	83
<i>C. glacialis</i>	C4	-	13	159	24
	C5	-	37	115	14
	C6	f	2	186	0
<i>C. hyperboreus</i>	C3	-	16	127	45
	C4	-	21	166	19
	C5	-	38	115	16
	C6	f	11	64	21

## 8 Distribution and body size of fish larvae

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Legend to table

GEAR: BONGO NETS(B): 200 & 500 mm, 60 cm diameter, vertical tows  
include 64 mm, 10 cm diameter, sock net  
RMT (R): rectangular midwater trawl with 1 m<sup>2</sup> (300 mm) & 8m<sup>2</sup>  
(2000mm), includes 64 mm sock net  
RF NET (RF): vertically towed, 1 m diameter, nites (sailcloth)  
appendicularian collector  
PUMP (P): large volume pump, 2.8 m<sup>3</sup>. min<sup>-1</sup>, deployed at ice  
camp stations  
STANDARD NETS (S): vertical tows taken at ice camp stations  
with 1m diameter (500mm) & 0.5 diameter (64 & 150 mm)

CATCH: number of larvae caught at station

LENGTH: mean notochord length of spp. at station

STD: standard deviation

N: number of larvae measured for length

Sta	Gear	Boreogadus saida				Liparis koefoedi				Triglops nybelini				Unknown			
		Catch	N	Length	StDev	Catch	N	Length	StDev	Catch	N	Length	StDev	Catch	N	Length	StDev
1	B																
2	B,R																
3	B																
4	B																
5	B																
6	B																
7	B					2	2	7,64	2								
8	B																
9	B					1	1	9,96									
10	B																
11	B																
12	B																
13	B																
14	B	9	9	6,86	0,6												
15	B																
16	B																
17	B																
18	R												2	2	7,35	0,76	
19	B																
20	B																
21	B																
22	B																
23	B																
24	B																
25	B																
26	B																
27	B																
28	B																
29	B																
30	P																
33	B																
34	B,R	1	1	6,39													
35	B	2	2	6,52	1												
36	B																
37	B	1	1	6,97													
38	B,R	41	37	6,35	0,58	1	1	6,89									
39	B	2	2	6,56	0,47												
40	B																
41	B,R	13	12	6	0,73	1	1	8,38					3	3	10,84	0,48	
42	R					2	2	11,47	0,58								
43	B	2	2	7,1	0,29												
44	B,R	28	28	6,36	0,56	2	2	8,99	1,28	2	2	10,97	1,75	2	1	10,73	
45	B,R	1	1	5,98									4	4	10,97	0,87	
46	B																
47	B,R									1	1	13,53		3	3	10,85	1,69
48	B																
49	B																
51	B																
52	B	3	3	7,17	0,13												
53	B,R	10	9	6,88	0,59								1	1	11,22		
54	B																
55	B,R	285	229	5,36	0,78								1	1	11,22		
56	B	2	2	5,27	0,88												
57	B,R	4	4	5,89	0,91	1	1	7,22									
58	B																

Sta	Gear	Boreogadus saida				Liparis koefoedi				Triglops nybelini				Unknown			
		Catch	N	Length	StDev	Catch	N	Length	StDev	Catch	N	Length	StDev	Catch	N	Length	StDev
60	P	7	7	7,55	0,34												
61	B																
62	B																
63	B,R									1	1	10,56					
64	B																
65	B	1	1	5,4													
66	B	3	3	7,64	0,22												
67	B																
68	B																
69	B	6	2	6,6	0,29												
70	B	1	1	6,89													
71	B,R	15	14	6,64	0,62												
72	B																
73	B																
74	B																
75	B																
76	B,R	5	4	5,96	0,43								3	3	10,11	1,29	
77	B																
80	B																
81	B																
82	B																
83	B	1	1	6,14						1	1	12,05					
84	B																
85	B																
86	B	3	3	7,17	0,34												
87	B	1	1	7,47	0												
88	B,R	16	15	7,04	0,89					2	2	14,69	0,47				
89	B																
90	B																
91	B,R	4	0			2	0										
92	B																
93	B																
94	B,P,S																
95	B																
98	B																
99	B																
100	B																
101	B									1	1	14,03					
102	B																
103	B																
104	B																
108	B,R																
109	B																
110	B																
111	B																
112	B																
113	B																
114	B																
115	B																
116	B					1	1	11,72									
117	B																
118	B					1	1	14,19									
119	B					2	2	11,47	2,68								
120	B																
121	B																

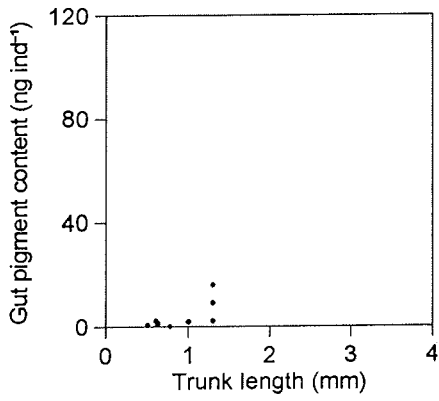
Sta	Gear	Boreogadus saida				Liparis koefoedi				Triglops nybelini				Unknown			
		Catch	N	Length	StDev	Catch	N	Length	StDev	Catch	N	Length	StDev	Catch	N	Length	StDev
123	B																
125	B	1	1	14,85													
126	B																
127	B,R																
128	B																
129	B,R																
130	B																
131	B,R	2	2	6,06	0,23												
132	B																
133	B,R	1	1	14,19													
134	B																
135	B,R																
136	B																
137	B,R	1	1	6,39		1	1	8,09									
138	B																
139	B																
140	B,S																
141	B																
142	B																
143	B																
144	B,R	3	3	7,39	1,51												
145	B																
146	B																
147	B																
148	B																
150	B																
151	B																
152	B																
153	B																
154	B																
155	B																
156	B																
157	B,R	4	4	7,49	0,93												
158	B																
159	B,R	6	5	8,07	0,41												
160	B																
161	B,R	45	45	8,69	1,52												
162	B	2	2	8,81	3,18												
163	B,R	6	6	9,05	3,62	2	2	14,93	0,82	1	1	14,85					
165	B																
166	B,R	10	8	8,31	1,32	2	2	14,42	8,07								
167	B																
168	B,R	2	1	6,97													
169	B																
170	B,R	9	9	6,99	0,32												
171	B																
172	B,R	31	31	8,46	2,08	87	87	14,67	2,98	9	9	13,55	0,95				
173	B																
175	B																
176	B					1	1	9,38									
177	B																
178	B																
179	B																
180	B,R	2	2	9,31	2,01	5	1	13,04									
181	B																

Sta	Gear	Boreogadus saida				Liparis koefoedi				Triglops nybelini				Unknown			
		Catch	N	Length	StDev	Catch	N	Length	StDev	Catch	N	Length	StDev	Catch	N	Length	StDev
182	B,R	6	6	8,78	0,94												
183	B																
184	B																
185	B	1	1	9,13													
186	B,R	15	15	8,81	2,98					1	1	16,17					
187	B																
188	B,R	34	34	7,61	0,89	1	1	14,36		1	1	18,15					
189	B																
190	B																
191	B,R	5	5	7,49	1,52	4	4	16,95	1,52	1	1	13,7					
192	B																
193	B					1	1	10,23									
194	B,R	5	5	7,22	0,37												
195	B																
196	B																
197	B,R	2	2	7,22	1,53												
198	B																
199	B																
200	B																
201	B,R																
202	B																
203	B																
204	B																
205	B																
206	B,R	4	4	7,3	0,7												
207	B																
208	B																
210	B																
211	B																
217	B																
218	B																
219	B,R,F	1	0														
220	B					1	1	15,84									
221	B																
222	B,R	41	40	8,98	0,93												
223	B																
224	B																
225	B,R	15	13	9,42	1,45	1	1	9,41									
226	B																
227	B,R	41	40	8,38	2,03	1	1	11,22		1	1	13,04					
228	B																
229	B,R	1	1	9,55													
231	B																
232	B,R	1	1	8,3		1	1	11,53									
233	B																
234	B,R					1	1	10,56									
235	B,R	17	17	7,66	0,66	1	1	12,87									
236	B																
237	B																
238	B																
240	B,R	39	38	7,6	1,22	3	3	17,71	6,02	1	1	17,49					
242	B																
244	B,R					1	1	15,68									
246	B																
248	B,R					1	1	17,99									

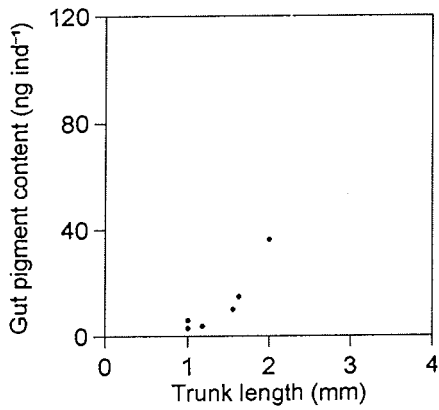
Sta	Gear	Boreogadus saida				Liparis koefoedi				Triglops nybelini				Unknown			
		Catch	N	Length	StDev	Catch	N	Length	StDev	Catch	N	Length	StDev	Catch	N	Length	StDev
250	B																
252	B,R	1	1	5,21													
254	B,R					2	2	9,56	0,72								
259	B									1	1	16,5					
260	B,R	6	5	9,69	1,12	3	3	17,11	3,73								
261	B																
262	B,R	56	54	10,43	1,17	1	1	14,03									
263	B																
264	B,R	13	13	11,55	3,03												
265	B																
266	B																
267	B																
271	B																
272	B																
273	B																
279	B																



### Station 9



### Station 10



### Station 25

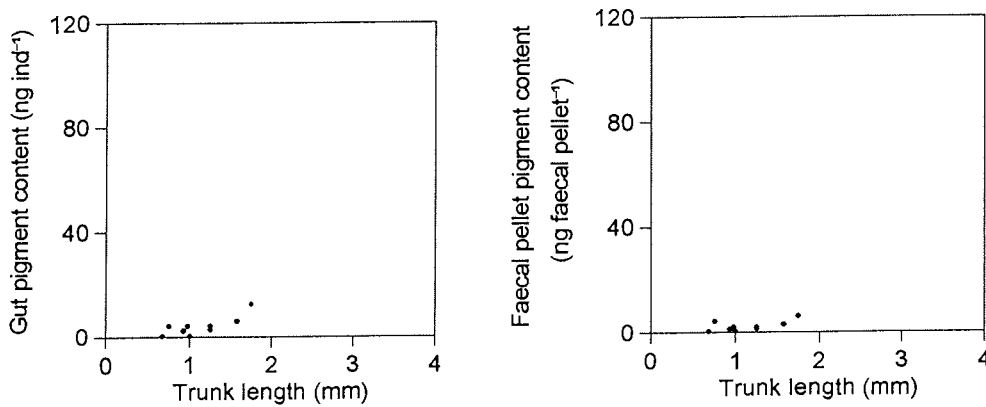
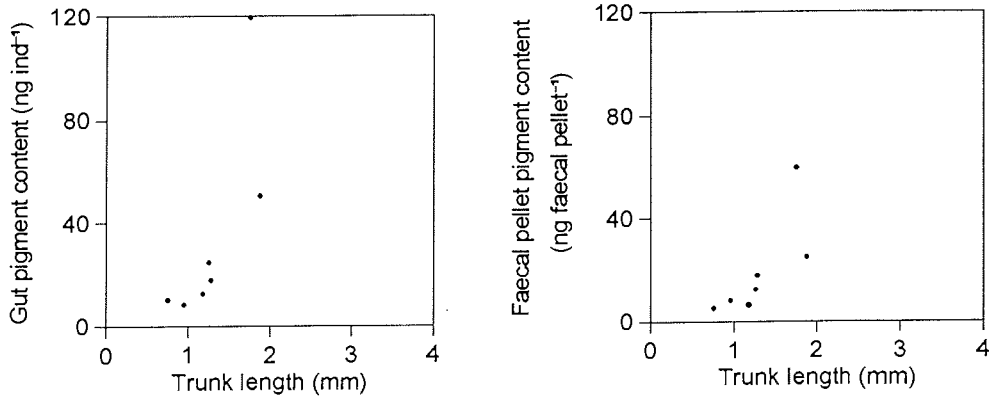
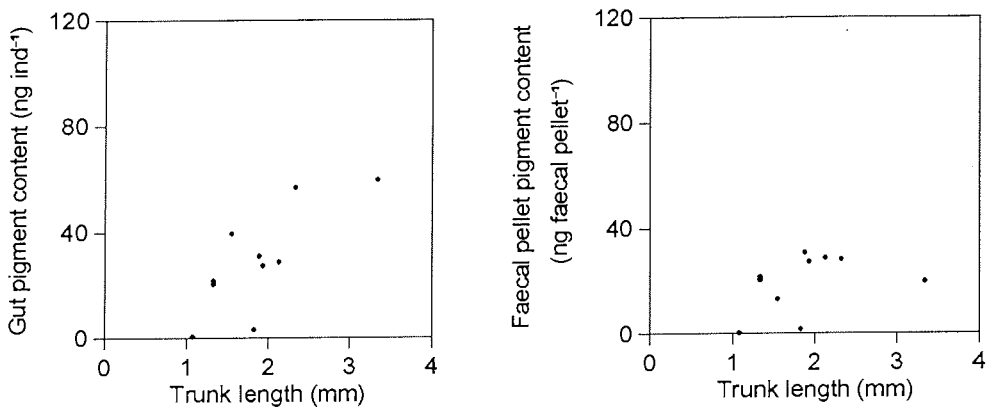


Figure 1: Plot of gut pigment content (chlorophyll a plus phaeopigments) versus trunk length, left, and faecal pellet pigment content versus trunk length, right, at stations 9, 10, and 25. Values not corrected for background fluorescence.

### Station 45



### Station 89



### Station 98

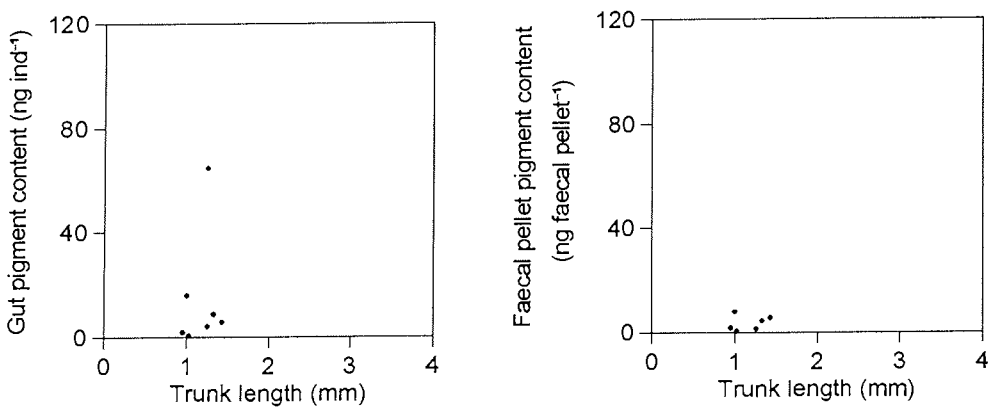
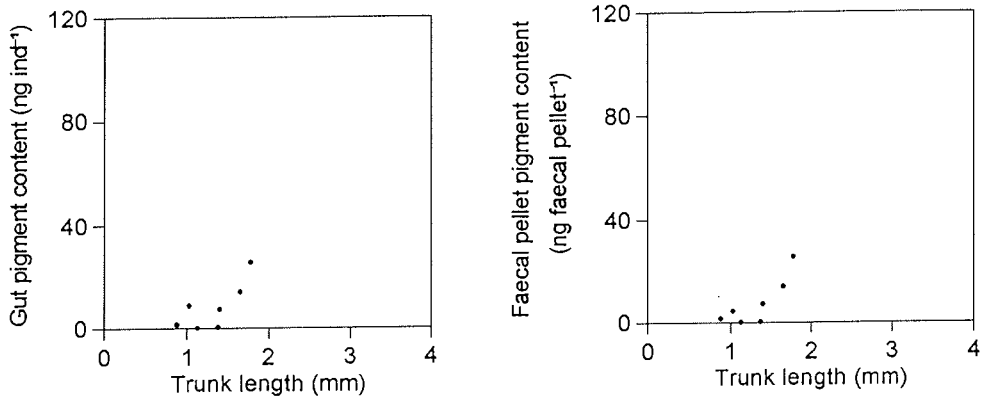
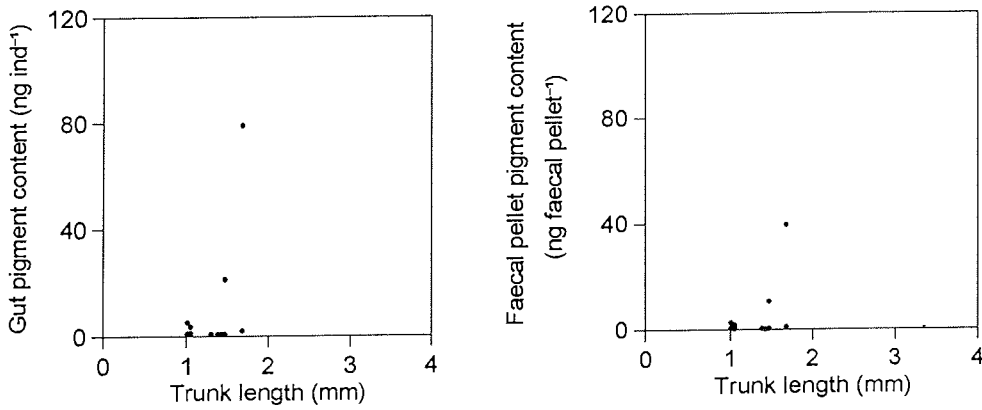


Figure 2: Plot of gut pigment content (chlorophyll a plus phaeopigments) versus trunk length, left, and faecal pellet pigment content versus trunk length, right, at stations 45, 89, and 98. Values not corrected for background fluorescence.

### Station 100



### Station 117



### Station 118

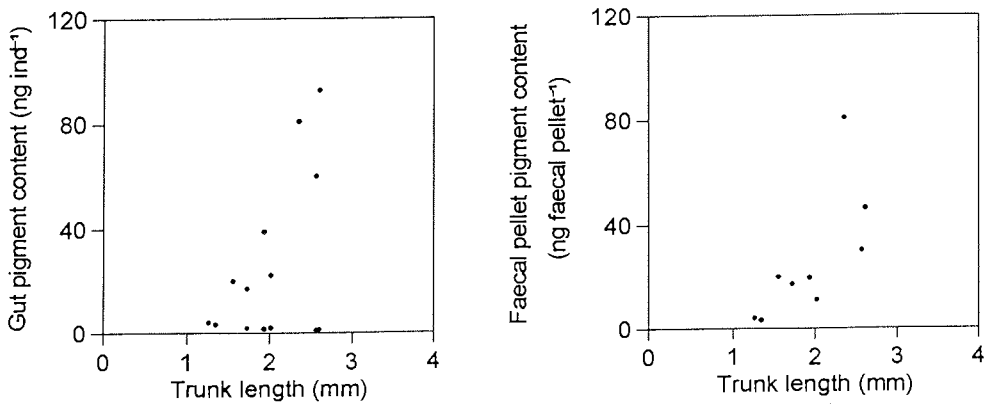
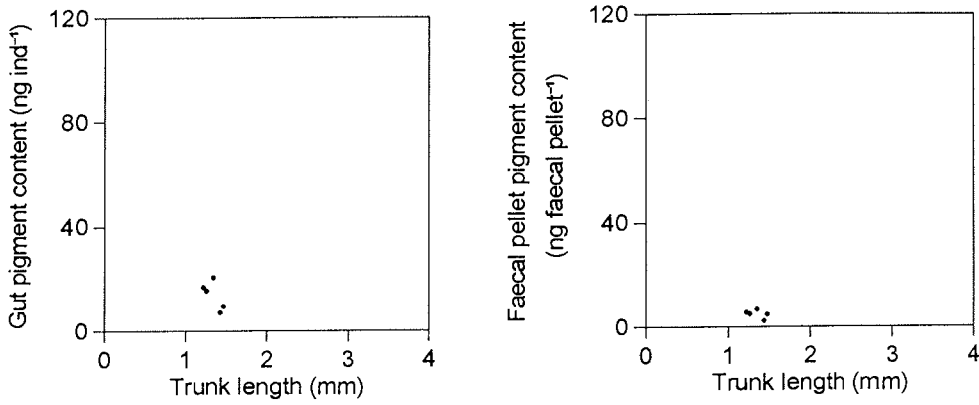
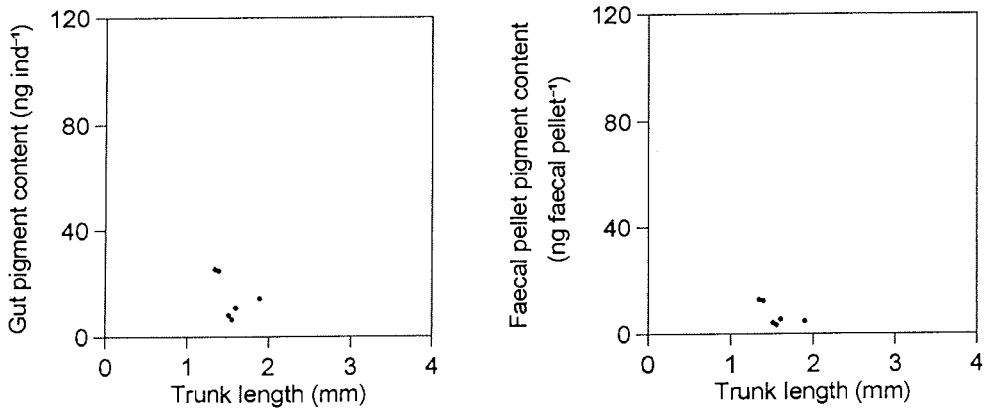


Figure 3: Plot of gut pigment content (chlorophyll a plus phaeopigments) versus trunk length, left, and faecal pellet pigment content versus trunk length, right, at stations 100, 117, and 118. Values not corrected for background fluorescence.

### Station 120



### Station 123



### Station 125

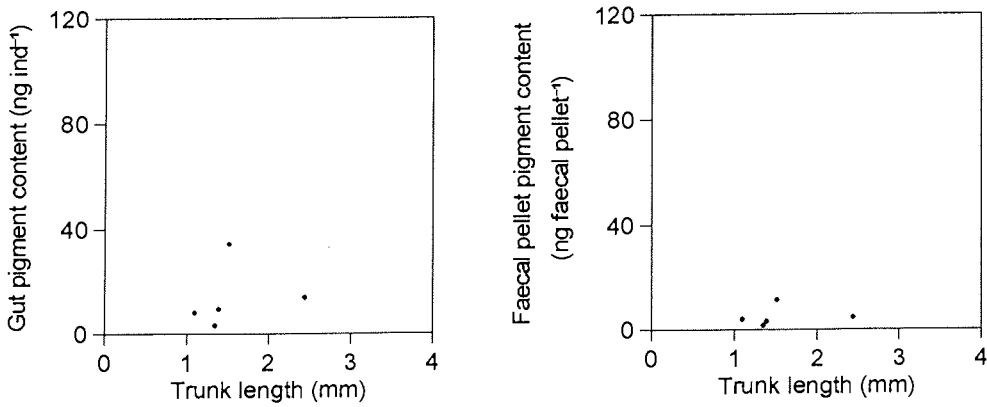
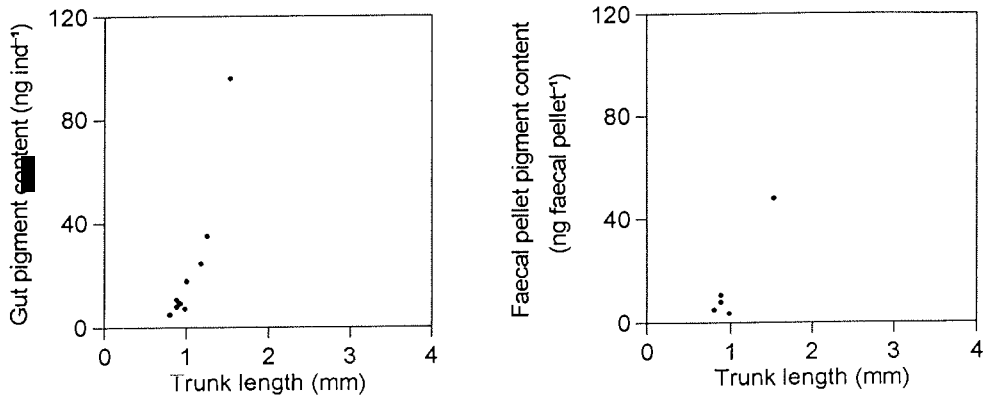
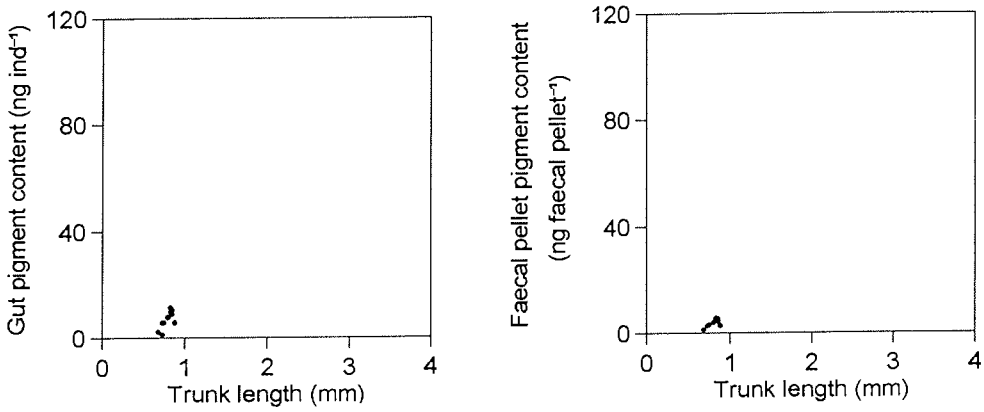


Figure 4: Plot of gut pigment content (chlorophyll a plus phaeopigments) versus trunk length, left, and faecal pellet pigment content versus trunk length, right, at stations 120, 123, and 125. Values not corrected for background fluorescence.

### Station 146



### Station 148



### Station 154

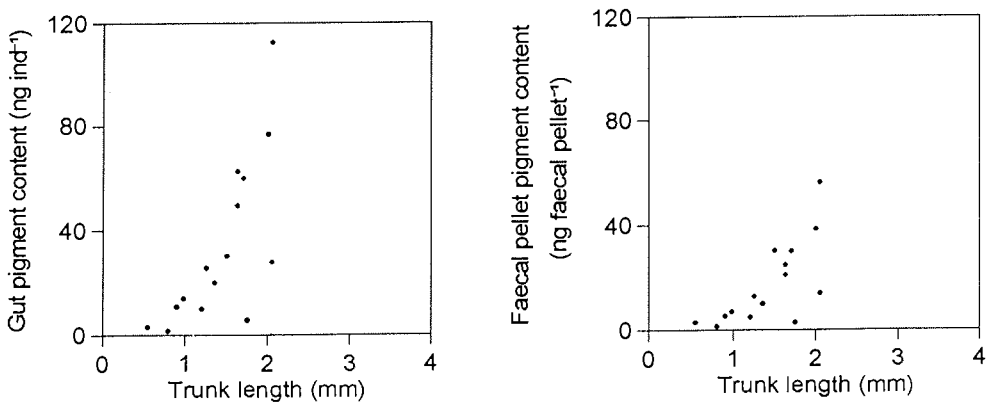
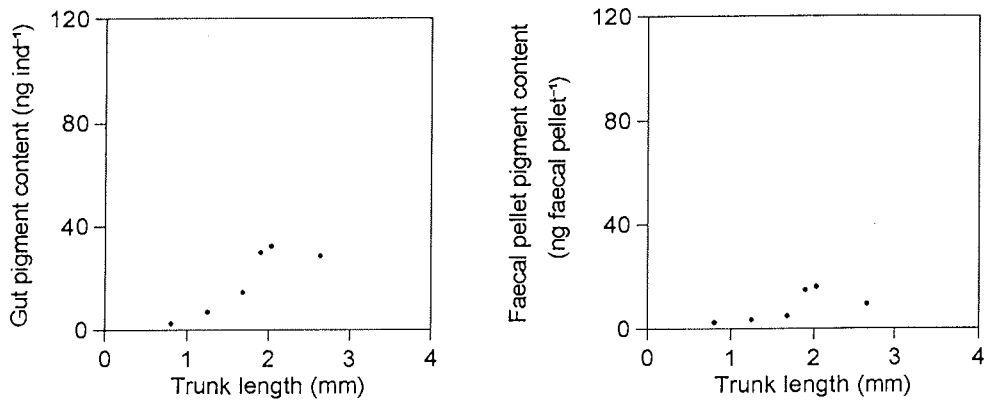


Figure 5: Plot of gut pigment content (chlorophyll a plus phaeopigments) versus trunk length, left, and faecal pellet pigment content versus trunk length, right, at stations 146, 148, and 154. Values not corrected for background fluorescence.

### Station 163



### Station 226

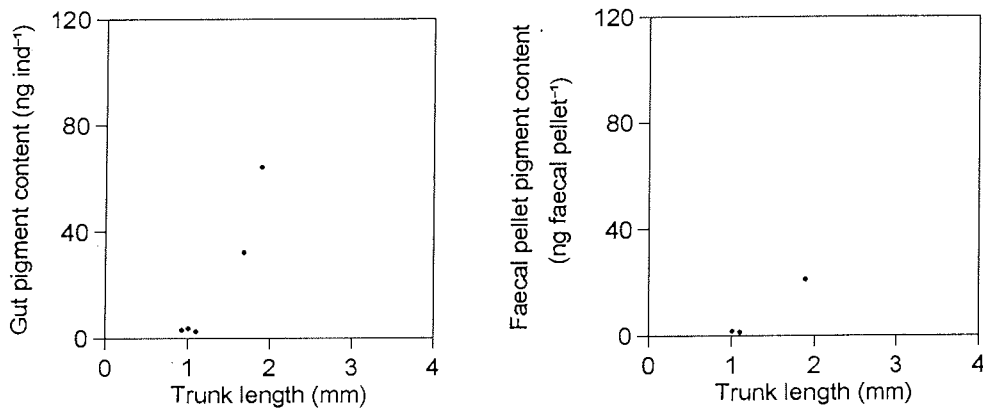


Figure 6: Plot of gut pigment content (chlorophyll a plus phaeopigments) versus trunk length, left, and faecal pellet pigment content versus trunk length, right, at stations 163 and 226. Values not corrected for background fluorescence.

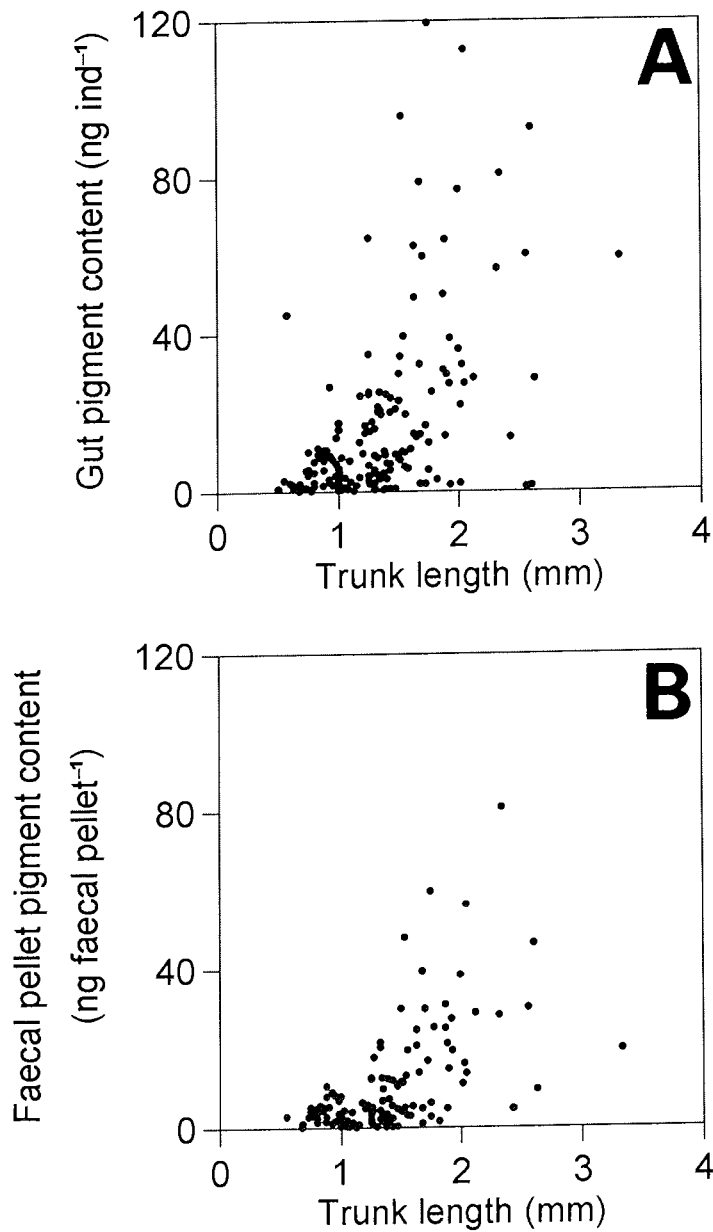


Figure 7: A) Plot of gut pigment content (chlorophyll a plus phaeopigments) versus trunk length for the total of samples analyzed (n=168); B) Plot of faecal pellet pigment content (chlorophyll a plus phaeopigments) versus trunk length for the total of samples analyzed (n=131). Appendicularian gut pigment content has been analyzed at stations 5, 8, 9, 10, 24, 27, 39, 45, 56, 89, 98, 100, 117, 118, 119, 120, 123, 125, 146, 148, 152, 153, 154, 163 and 226.

