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CTD DATA FROM THE RRS DISCOVERY CRUISE 174

FAEROE ISLANDS TO THE CHARLIE-GIBBS ZONE.

BY

P.M. SAUNDERS & M. ROUSSOPOULOS

REPORT 271

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ABSTRACT This report describes CTD data in both graphical and tabular form taken aboard the RRS <i>Discovery</i> on cruise 174 (19 May - 12 June, 1988). Approximately 50 stations were made on five sections in three regions, S and W of the Faeroe Islands, E-W across the Iceland Basin and within the Charlie-Gibbs Fracture Zone. The data were collected in order to study the overflow of Norwegian Sea Water, its subsequent modification in the Iceland Basin and exit through the Charlie Gibbs Fracture Zone into the Irminger Basin. Calibration procedures are summarised and the CTD salinity data reconciled with 180 sample values. Silicates were also measured and are tabulated.		
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INTRODUCTION

COLLECTION OF CTD DATA

The data described in this report were gathered on *RRS Discovery* during cruise 174 in 1988. The ship sailed from Barry, South Wales on the 19th of May and returned there on the 5th of June: the senior author of this report was the principal scientist for the cruise.

The objectives of and tasks carried out on the cruise, which is one of a series, are described in the cruise report (Saunders et al, 1988). In brief they were to observe the discharge of dense cold Norwegian Sea Water in the Faeroe Bank Channel, its modification and southward passage through the Iceland Basin culminating in its exit into the Irminger Basin. CTD measurements were made in three locations, see figures 1 and 2, south and west of the Faeroe Islands, from the Rockall Plateau across the Iceland Basin to the Reykjanes Ridge, and in the Charlie-Gibbs Fracture Zone. At the first and last locations the measurements were also made in support of moored current measurements; in the Iceland Basin the stations repeated and amplified earlier measurements made in the Transient Tracers in the Ocean programme (TTO, 1986). Near the Faeroe Islands the scientific inferences from the data have already been drawn (Saunders, 1990). At the other locations this is not the case, in part because the moored current meters from the Charlie-Gibbs Fracture Zone have yet to be recovered.

The CTD stations were made with a NBIS instrument, 1 m path transmissometer from Sea Tech Inc., and a General Oceanics Multisampler in a side by side location. A general review of the procedures adopted on the cruise is found in Saunders (1985). Table 1 gives details of the measurements and of their locations.

THE CALIBRATION OF THE CTD AND RECONCILIATION WITH MULTISAMPLER DATA

The procedures adopted on *RRS Discovery* cruise 174 are quite similar to those of previous IOS data reports but differences where they occurred are noted below.

(a) Pressure

A considerably more complex calibration of raw pressure measurements was undertaken on this cruise than previously: the benefits should emerge with use. The

calibration was based on laboratory measurements and employed the equation for the CTD lowering

$$p = 0.09966 p_{\text{raw}} + 5.17\text{E-}7 p_{\text{raw}}^2 - 7.0 - 0.39 (T_s - 10)$$

A quadratic expression was found to give an improved fit to the calibration data over a linear one and the last term expressed the measured dependence of output on the sensor temperature. The temperature of the sensor (T_s) lags considerably behind any changes in ambient temperature and a lagged temperature was constructed in the manner described for the oxygen sensor in Saunders (1985). Based on laboratory observations of the response of the sensor to a thermal shock, a time constant of 400 seconds was employed. For the raising of the CTD a correction for the hysteresis of the sensor was also applied for the first time. The correction was based on laboratory measurements of the difference between the sensor output when the applied pressure is increasing and when the applied pressure is decreasing both for the same external pressure. A scheme devised by Bob Williams (SIO, pc) was employed to take account of the effect of changes of the maximum pressure experienced on each cast. With the particular sensor in our CTD hysteresis effects for a deep cast (>3000 db) reach a maximum value of about 5 db at 500 db on the up-cast and are only 20% smaller for a 1500 db lowering.

(b) Temperature

The calibration based on a pre-cruise measurements was:-

$$T = 0.0049953 T_{\text{raw}} + .026$$

This equation has remained virtually unchanged since our acquisition of the platinum resistance sensor in 1983. However, in February 1989 it appeared to have fallen approximately 3 mk. Because the platinum resistance thermometer has a time constant of about 0.25 seconds a lag correction is made as described in Saunders (1985). This procedure is used to reduce spikes in the salinity values.

Comparisons were made on this cruise with a pair of SIS digital reversing thermometers. One of the pair T180 which had been calibrated by the manufacturer showed a mean difference of only 0.3 mk from IOSDL calibrated CTD temperatures (27 observations),

the other T156 showed a mean temperature difference of 2.6 mk (28 observations). The agreement is satisfactory: further details are given in Table 2.

(c) Conductivity/Salinity

Conductivity is not yet calibrated in the laboratory at IOSDL: the conductivity cell factor is carried forward from cruise to cruise. A value of .99982 was adopted for use on the ship. For the first time corrections were made for changes in the cell dimensions with pressure and temperature. The equation used was (Crease et al, 1988)

$$C = .99982 \text{ C}_{\text{raw}} (1 - 6.5 \times 10^{-6} * (T - 15) + 1.5 \times 10^{-8} * p)$$

Approximately 180 samples of salinity were analysed on the ship using a Guildline Bench Salinometer, standardised against IAPSO Standard Seawater (batch P107, K15 = 0.99997). These revealed that the nominal CTD salinity needed to be corrected by between .003 and .005 during the cruise and these corrections were made. The statistics of the comparisons between archived lists of CTD salinity and sample values are shown in Table 3. Lists of all sample salinity values are found in the last two pages of this report.

(d) Oxygen

A brand-new oxygen sensor was available for use on the cruise and some 150 samples were drawn for the Winkler titration method. Plots of oxygen sample values versus potential temperature showed a considerable scatter and values approximately 10% lower than TTO values which had been measured (albeit in 1981) at all the three locations of this cruise. After investigation it was found that the sulphuric acid used to fix the sample at an early stage was well below the approved strength and reluctantly we discarded all the sample measurements.

Using the TTO data and the observation that, for the Iceland Basin and CGFZ sections, near $\Theta = 3^{\circ}\text{C}$ the dissolved oxygen concentration is 6.30 ml/l (or 274 $\mu\text{mol/kg}$) and also there exists a slight over-saturation in the near surface values, the various coefficients in the oxygen algorithm for the CTD sensor were calculated. These were

cell constant = 1.577 E-3, $\alpha = -0.0461^{\circ}\text{C}^{-1}$, $\beta = .000136 \text{ db}^{-1}$
and CTD temperature fraction 0.33 (see Saunders, 1985)

Adjustments were subsequently made to yield the canonical value of 6.3 at $\Theta = 3^{\circ}\text{C}$. For the data for the Faroes region the sub-zero temperature water was assumed to have a dissolved oxygen concentration of 6.9 ml/l (300 $\mu\text{mol/kg}$). It is hoped to verify some of these conditions on future cruises.

(e) Transmittance

Nominal transmittance values were calculated for this data, not potential transmittance as on earlier cruises.

(f) Silicate

A continuous flow analysis system, manufactured by Chemlab Ltd., was employed to determine silicate concentration. Details of the procedure are briefly described in Saunders & Gould (1988). A list of the silicate measurements is found in the last two pages of this report along with plots of potential temperature versus concentration (figure 8).

COMPUTER PROCESSING OF CTD DATA

Data processing ashore on the IOSDL IBM 4381 started with the one second raw values obtained from the ship's ABC system. Calibration equations were employed as described in the previous sections and only a limited amount of editing of the data was required. The processing path is broadly described in Table 4.

In presenting a selection of CTD data for this report we have elected to group plots according to the five sections carried out on the cruise (fig. 1). Plots of both salinity and dissolved oxygen versus potential temperature are shown (figures 3-7) for the Faroes region (2), the Iceland Basin and Charlie-Gibbs Fracture Zone (2).

Lists of the 49 stations occupy the main body of the report. The lists were constructed from the archived 2 db average values and interpolated to standard pressure levels. Derived quantities have been computed from the algorithms published in the UNESCO Technical Paper on Marine Science No. 44 (Fofonoff and Millard, 1983). The

Brunt-Vaisala frequency has been computed from successive values in the lists and hence is the average value for 10-200 db intervals.

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TABLE 1
CTD Station List

Station Number	Time Down,Z	Day/Date 1988	Lat N	Lon W	Water depth m	Closest approach	Comments
11730	1512	142 21 May	60 12.7	06 47.5	1180	20	Failed on recovery
11731	2328	142 21 May	60 30.8	07 59.1	912	8	
11734	2117	143 22 May	61 28.2	07 55.5	187	10	Start Faroe Bank Channel section
11735	2224	143 22 May	61 26.4	07 58.7	417	10	
11736	2351	143 22 May	61 25.2	08 01.3	594	9	
11737	0118	144 23 May	61 23.0	08 04.5	776	11	
11738	0330	144 23 May	61 20.8	08 08.5	833	13	
11739	0433	144 23 May	61 19.2	08 09.6	773	10	
11740	0530	144 23 May	61 17.0	08 11.9	493	12	
11741	0615	144 23 May	61 15.4	08 13.3	371	8	End Faroe Bank Channel section
11742	1925	144 23 May	61 59.7	08 50.1	383	8	Start Iceland Faroe Ridge section
11743	2115	144 23 May	61 53.7	09 06.2	589	8	
11744	2235	144 23 May	61 49.8	09 16.8	706	8	
11745	0048	145 24 May	61 46.4	09 23.9	794	12	
11746	0309	145 24 May	61 39.9	09 32.0	936	13	
11747	0538	145 24 May	61 35.1	09 43.2	1050	10	End I-F Ridge Section
11748	0130	146 25 May	61 00.9	07 41.7	926	9	Near mooring 436
11749	1441	148 27 May	55 59.9	22 30.0	1230	14	Start of Iceland Basin section
11750	1810	148 27 May	56 09.1	22 51.5	2174	7	
11751	2228	148 27 May	56 19.8	23 24.6	2468	12	
11752	0335	149 28 May	56 33.7	23 57.4	3269	12	In Maury Channel
11753	0919	149 28 May	56 46.5	24 35.4	3031	15	
11754	1523	149 28 May	57 00.6	25 15.8	2858	12	
11755	2025	149 28 May	57 14.7	25 52.8	2692	15	Gardar Ridge
11756	0127	150 29 May	57 30.5	26 35.1	2728	13	
11757	0628	150 29 May	57 45.0	27 22.3	2525	8	
11758	1505	150 29 May	58 01.4	28 11.3	2382	15	
11759	2055	150 29 May	58 17.8	28 55.7	2120	7	
11760	0137	151 30 May	58 35.0	29 40.1	2085	40	
11761	0546	151 30 May	58 48.5	30 27.6	1610	36	
11762	0851	151 30 May	59 00.3	30 57.1	1306	14	Reykjanes Ridge, end section

TABLE 1
(continued)
CTD Station List

Station Number	Time Down,Z	Day/ Date 1988	Lat N	Lon W	Water depth m	Closest approach	Comments
11763	2257	152 31 May	52 48.3	35 05.6	2615	18	CGF Zone mooring 'A'
11764	0705	153 1 June	52 41.2	35 03.2	3689	10	at site mooring 'C'
11768	2314	153 1 June	52 19.2	35 08.1	3845	8	at site mooring 'F'
11769	0654	154 2 June	52 45.0	35 03.9	2942	15	at site mooring 'B'
11774	2306	155 3 June	52 37.8	35 02.9	3078	15	at side mooring 'D'
11775	0641	156 4 June	52 07.5	35 08.1	3525	5	at site mooring 'G'
11778	1746	156 4 June	51 47.6	35 08.6	3862	13	at site mooring 'H'
11779	2253	156 4 June	51 20.7	35 11.1	3435	28	most southerly of section
11782	2222	157 5 June	52 53.5	35 08.6	1940	26	most northerly of section
11783	1213	158 6 June	52 55.3	32 17.7	1935	20	Begin 32°W section
11784	1523	158 6 June	52 49.1	32 11.9	3550	8	
11785	1830	158 6 June	52 43.5	32 10.4	2803	15	
11786	0819	159 7 June	52 33.7	32 08.0	3993	16	Last with old transmissometer
11787	1116	159 7 June	52 25.6	32 06.2	1631	12	
11788	1342	159 7 June	52 26.7	31 54.8	2434	13	Sheave on CTD winch traveller collapses: is repaired on recovery
11789	1749	159 7 June	52 23.2	31 41.1	3529	8	
11790	2036	159 7 June	52 20.6	31 34.9	1980	10	Conductivity glitch on descent
11791	0044	160 8 June	52 08.2	31 00.0	4258	18	End with deepest stn.

TABLE 2

Intercomparison of CTD and RTM 4002 Digital Reversing Thermometers

T₁₅₆ mfs corrected RTM temperature (SN 156)

T₁₈₀ mfs corrected RTM temperature (SN 180)

T_{CTD} IOSDL calibrated CTD temperature

Comparison	No. Obs.	Difference, mk		Range	
		mean	std. dev.	Temp, °C	Pressure, db
T ₁₈₀ - T ₁₅₆	18	-3.6	1.1	2.4 to 2.9	1500 to 4100
T _{CTD} - T ₁₈₀	27	-0.3	3.3	-0.3 to 8.1	300 to 4100
T _{CTD} - T ₁₅₆	28	-2.6	3.8	-0.3 to 9.6	100 to 4100

TABLE 3

Comparison of archived CTD and sample Salinities

Stations	number	Sample - CTD	
		mean	std. dev.
11731-48	17	-.001	.004
11749-62	74	+.001	.002
11763-91	82	+.001	.005

TABLE 4
Data Processing Path

1. Input raw data, enter details for header.
2. Calibrate p, T, c, DO and calculate salinity.
3. Plot data, identify bad values and edit.
4. Compare CTD lists with sample values and adjust: truncate to down cast.
5. Construct Θ -s, Θ -DO plots for report.
6. Sort on pressure, create 2 db averages and interpolate missing values.
7. Archive 2 db data to tape in GF3 format (CTD 174).
8. Construct station list and create new variables.

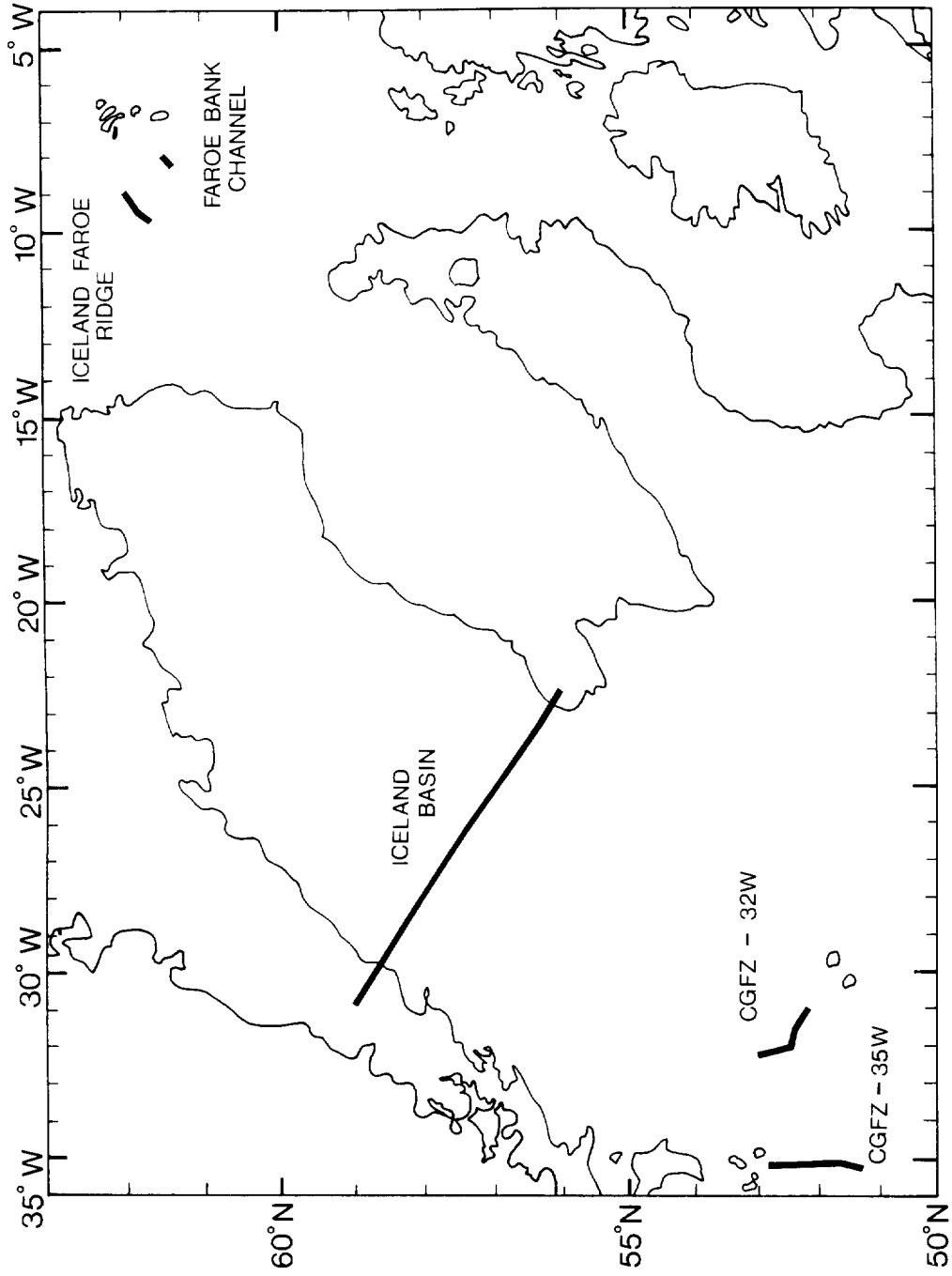


Fig. 1 Location of CTD Sections on Discovery Cruise 174

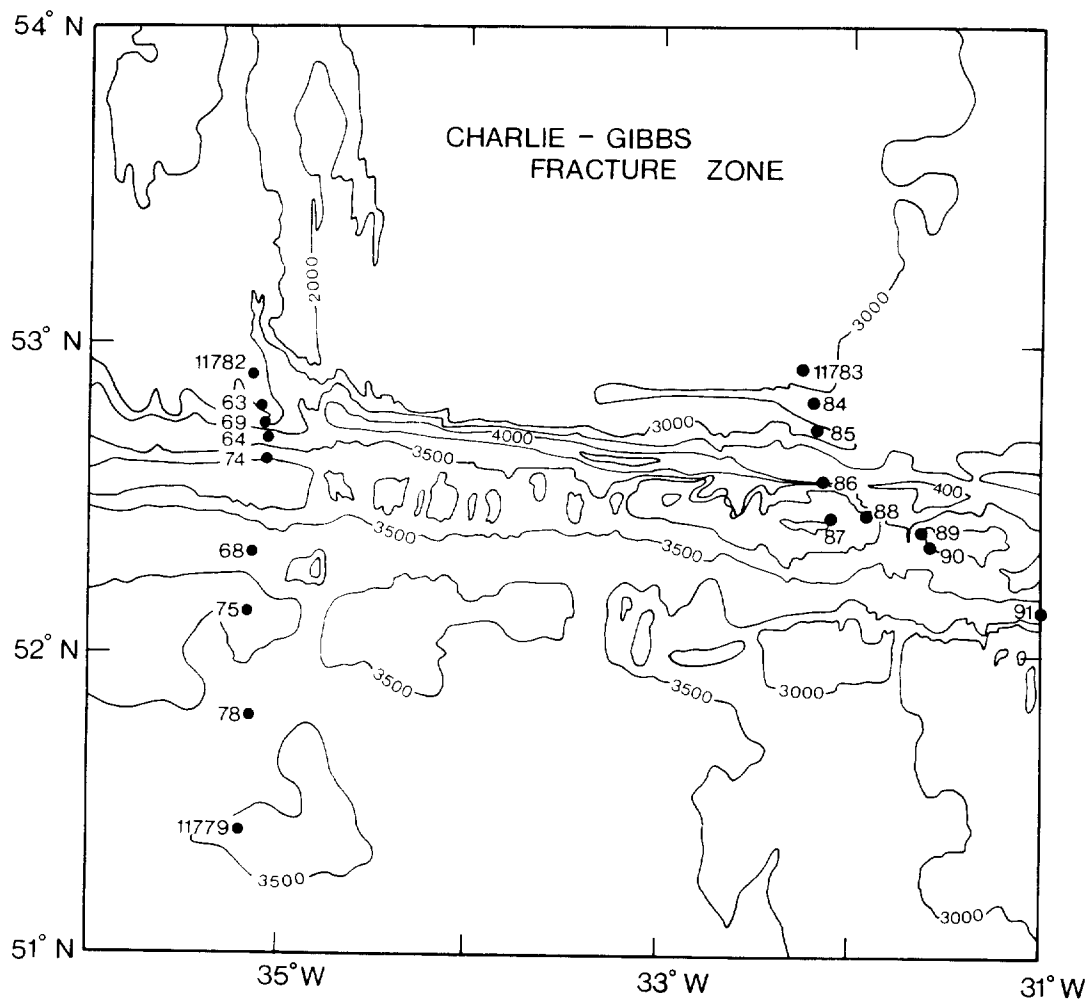


Fig. 2 Location of CTD stations in the Charlie-Gibbs Fracture Zone

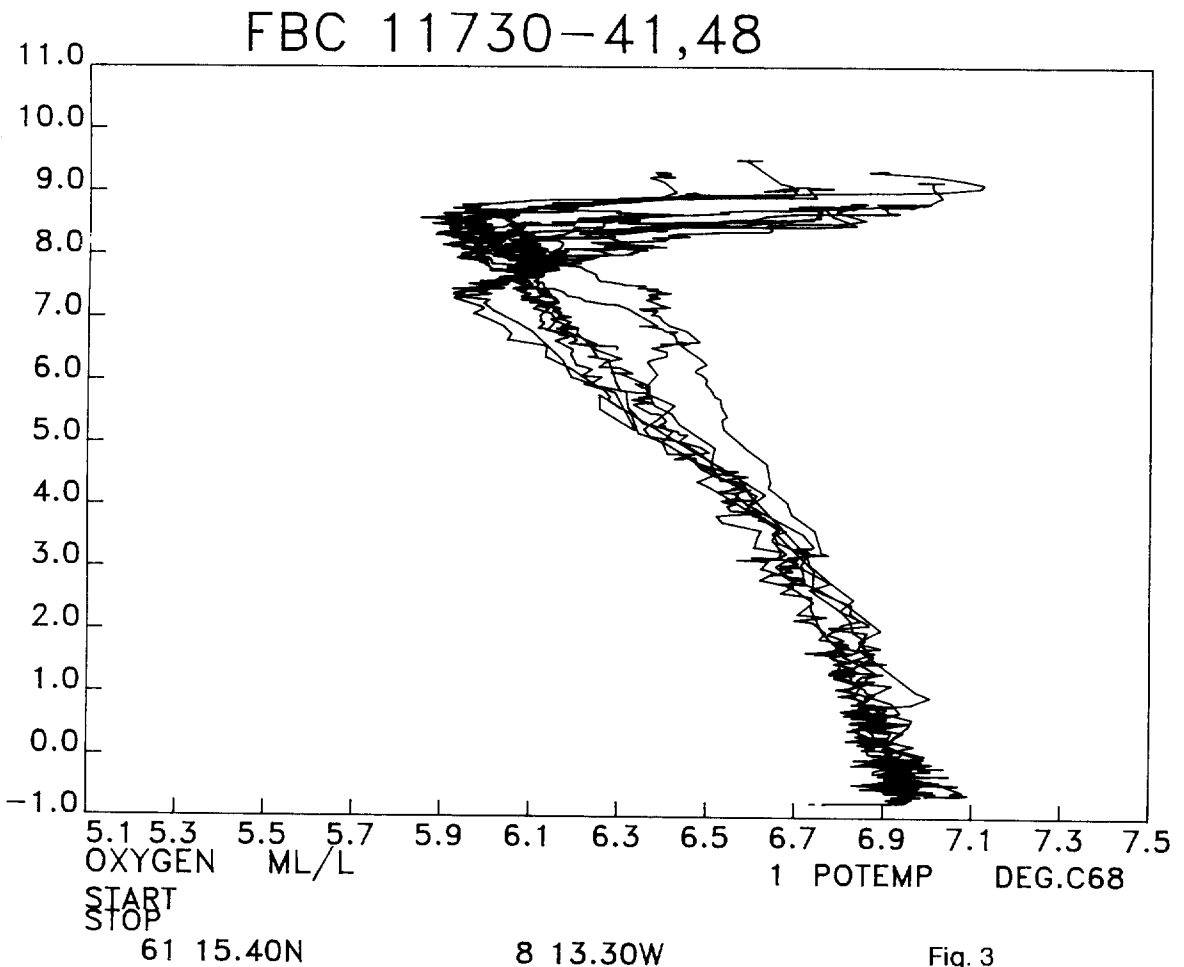
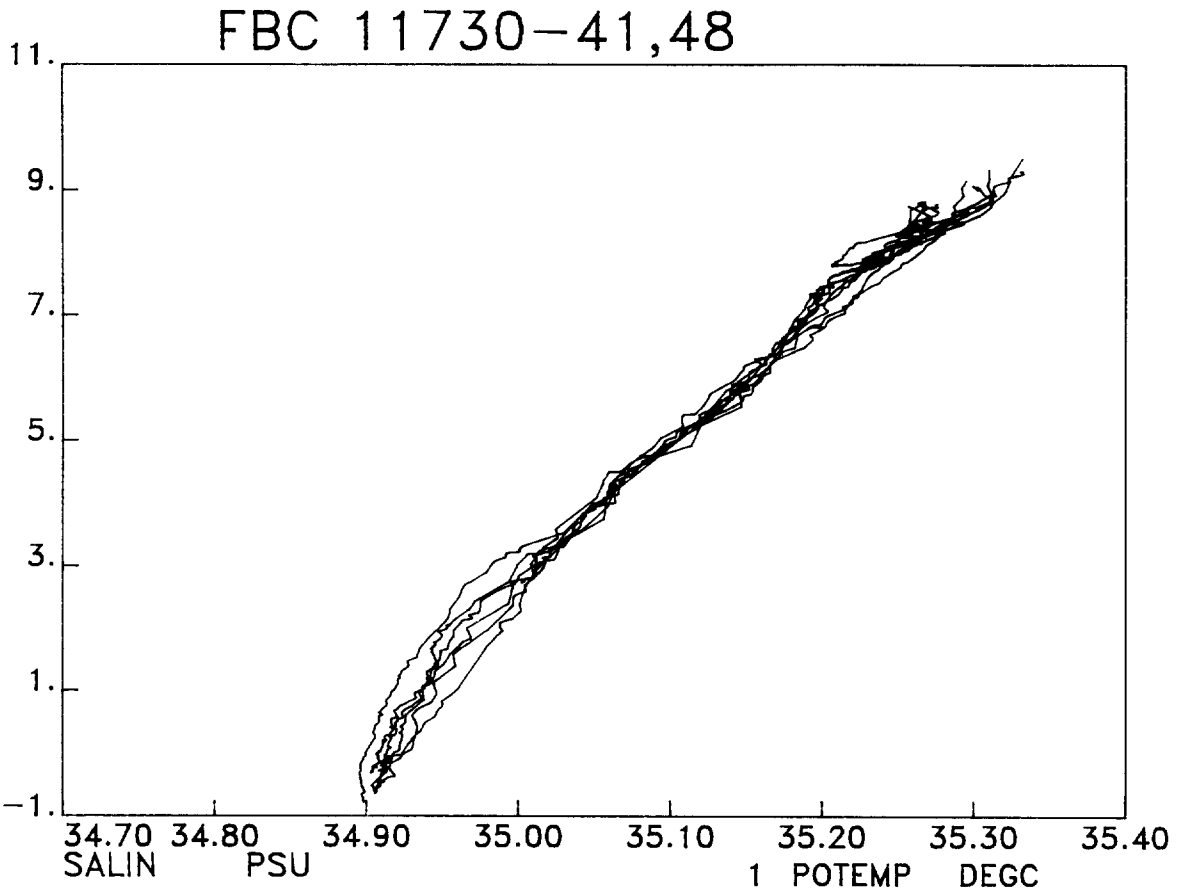
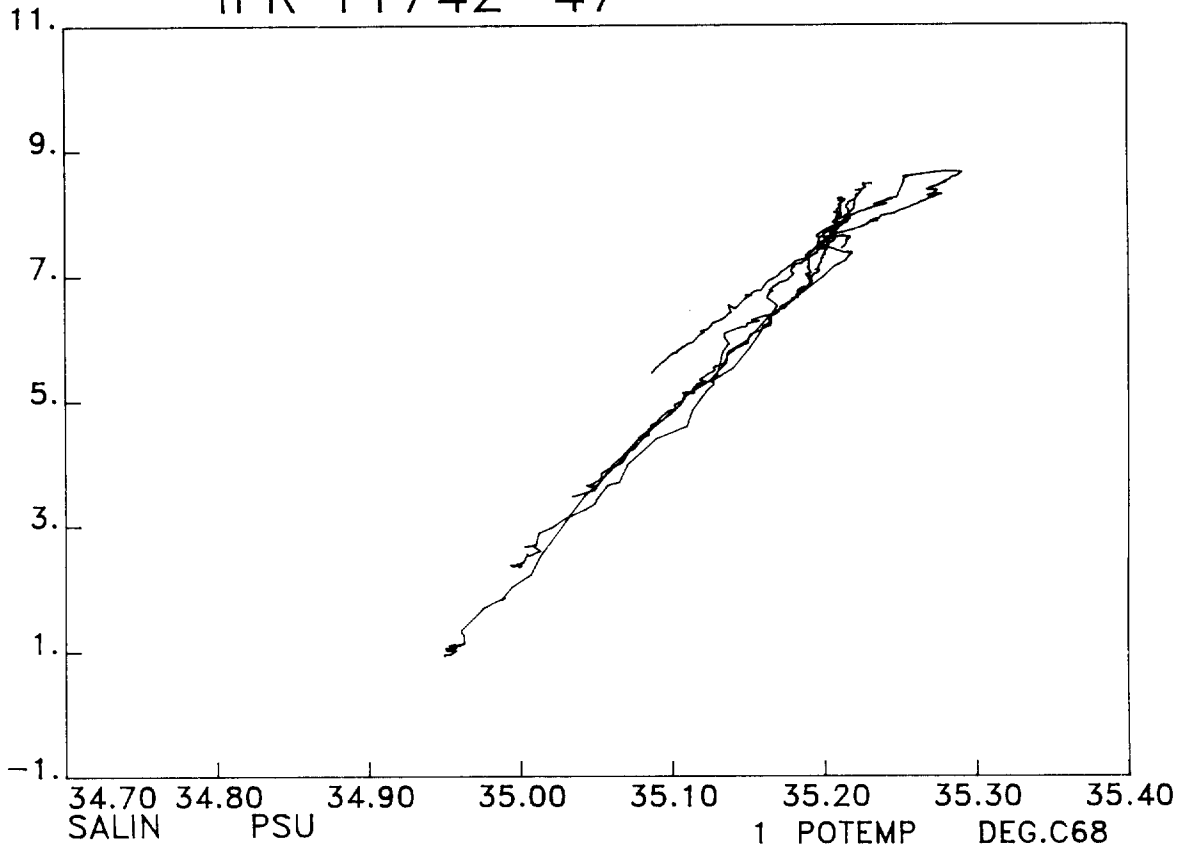
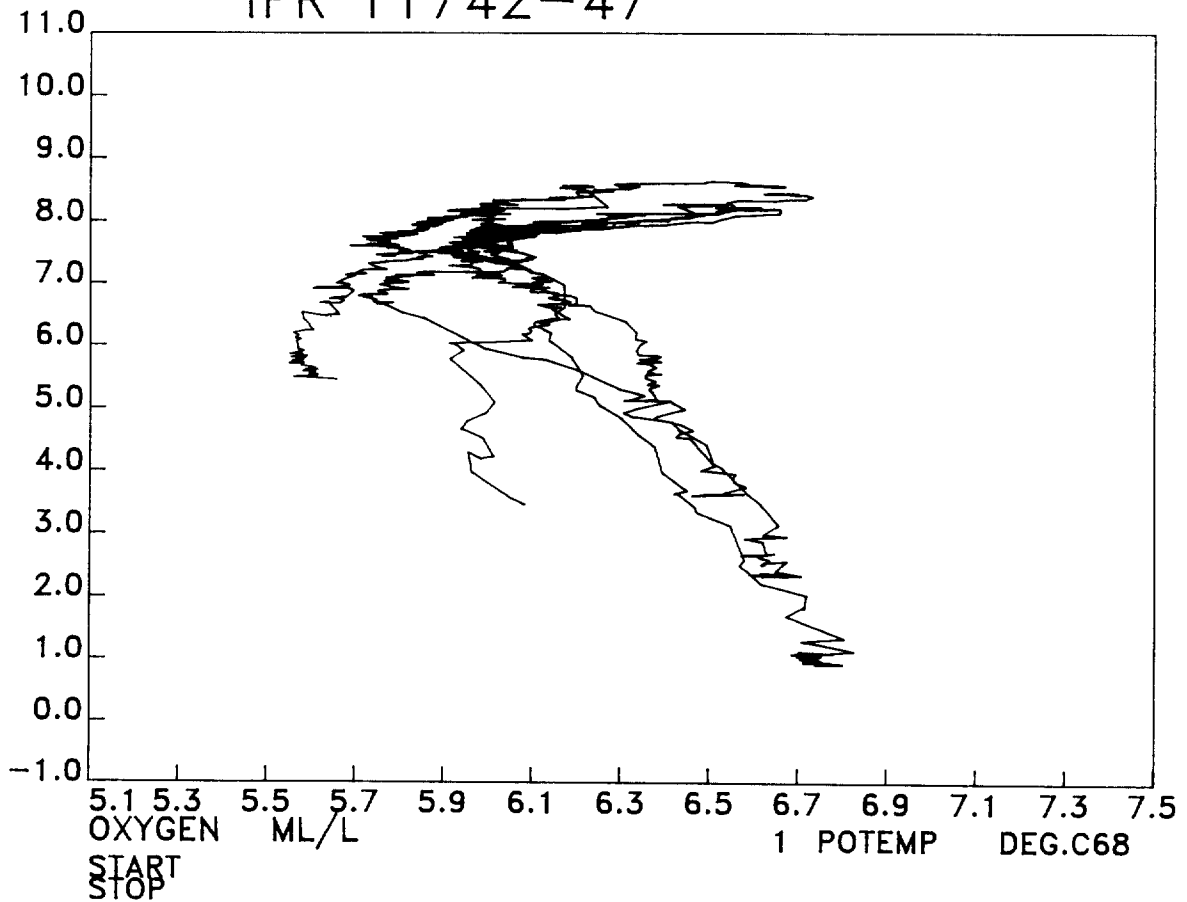


Fig. 3

IFR 11742-47



IFR 11742-47



START
STOP

61 59.70N

8 50.10W

Fig. 4

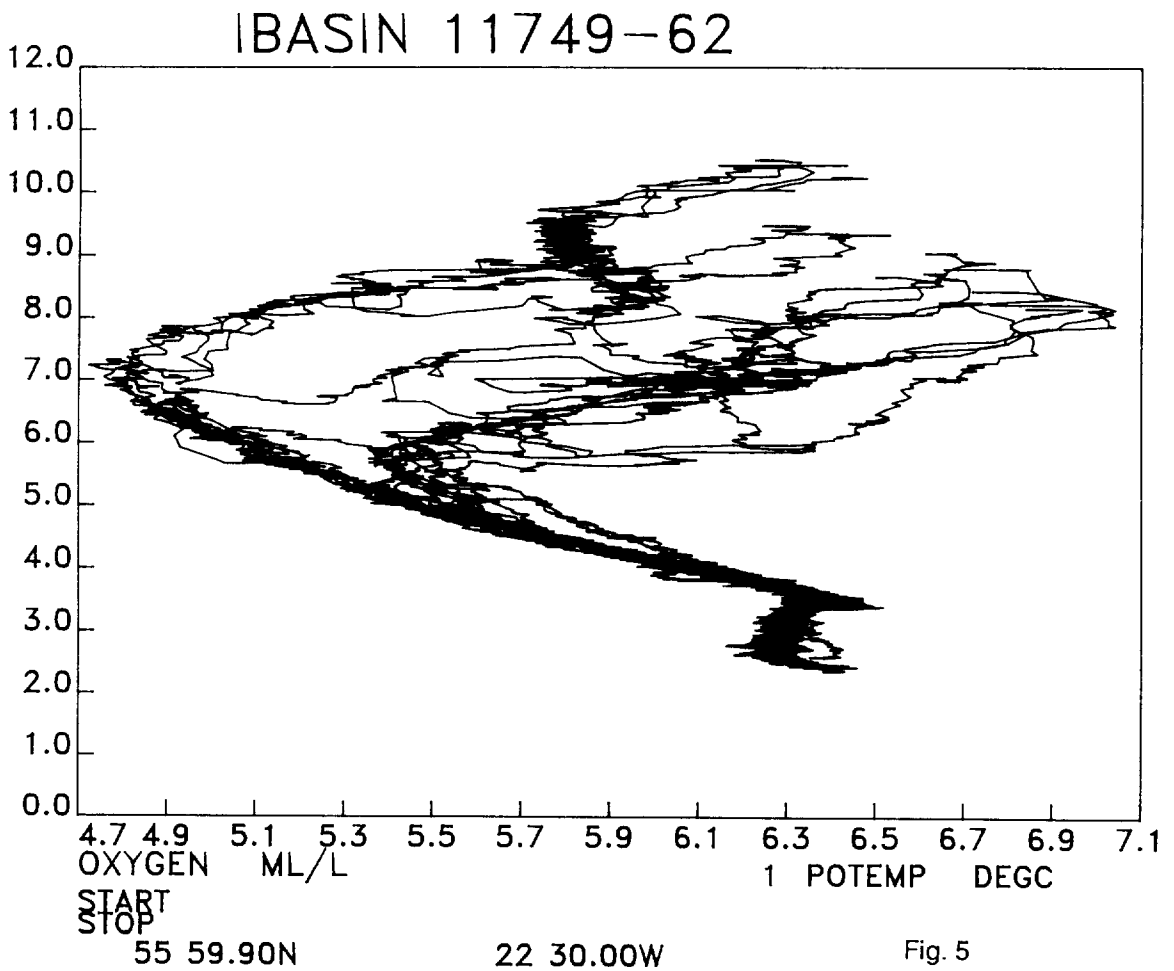
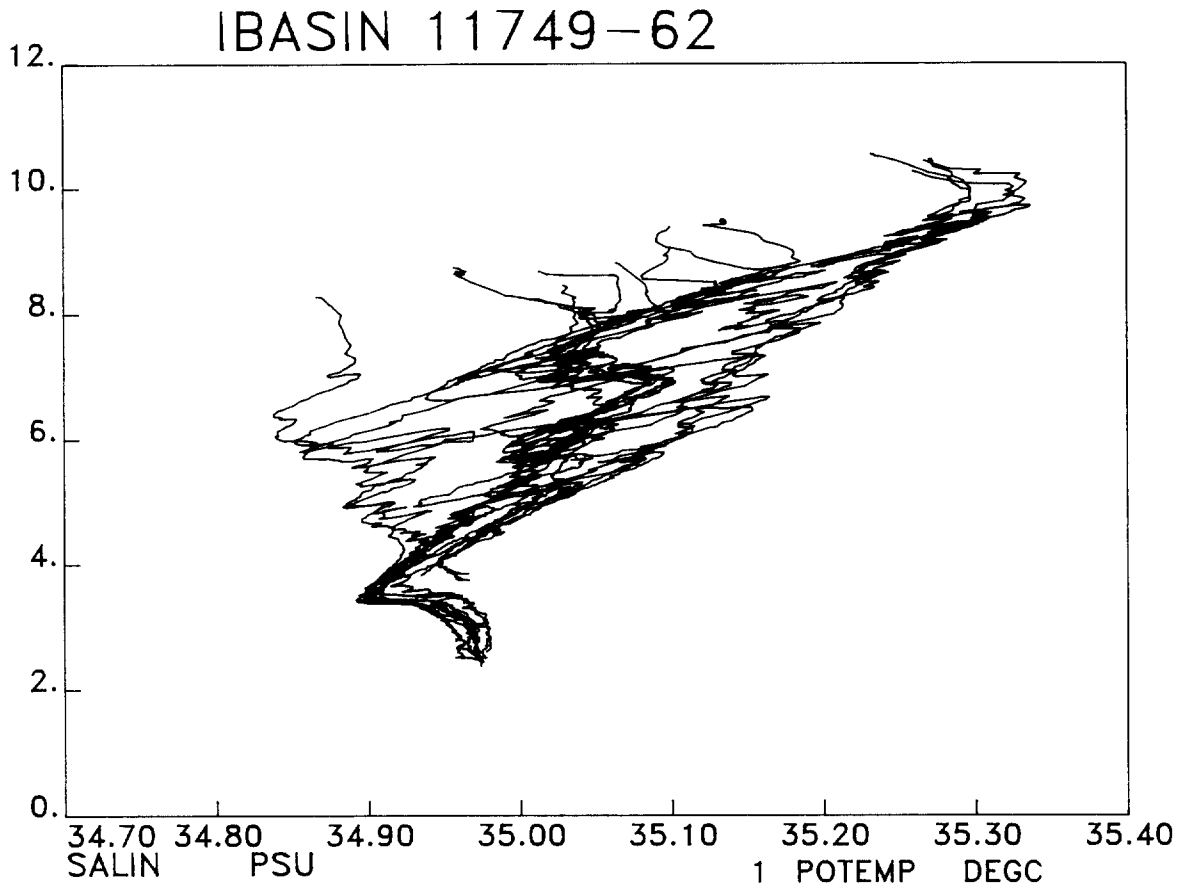
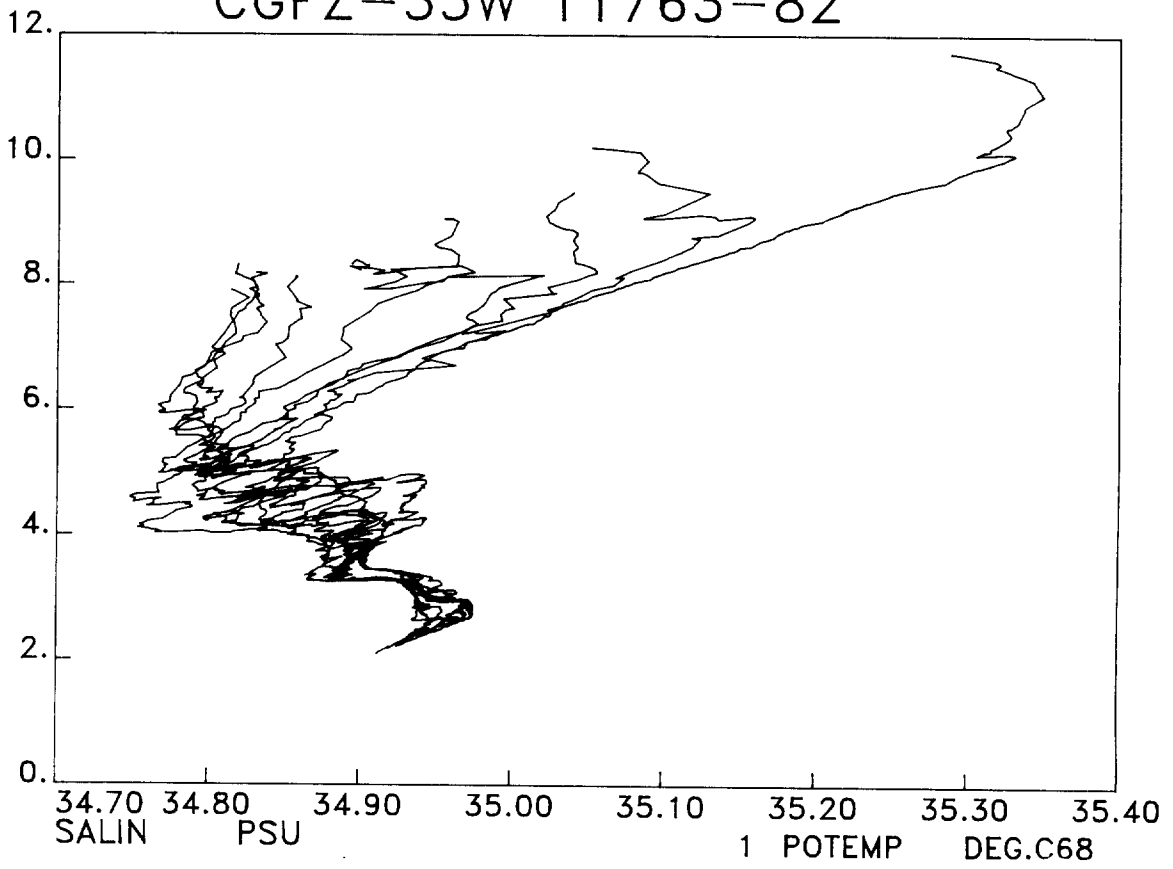


Fig. 5

CGFZ-35W 11763-82



CGFZ-35W 11763-82

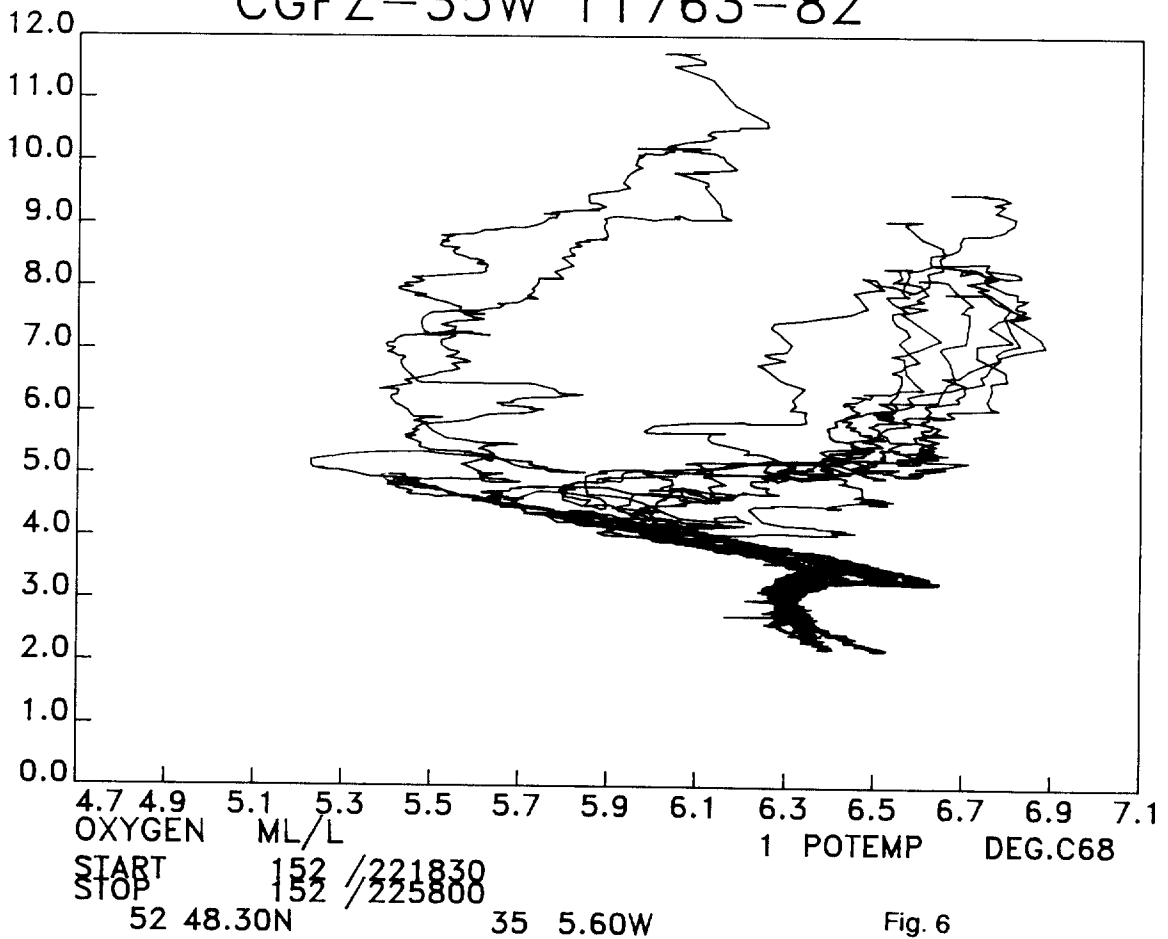
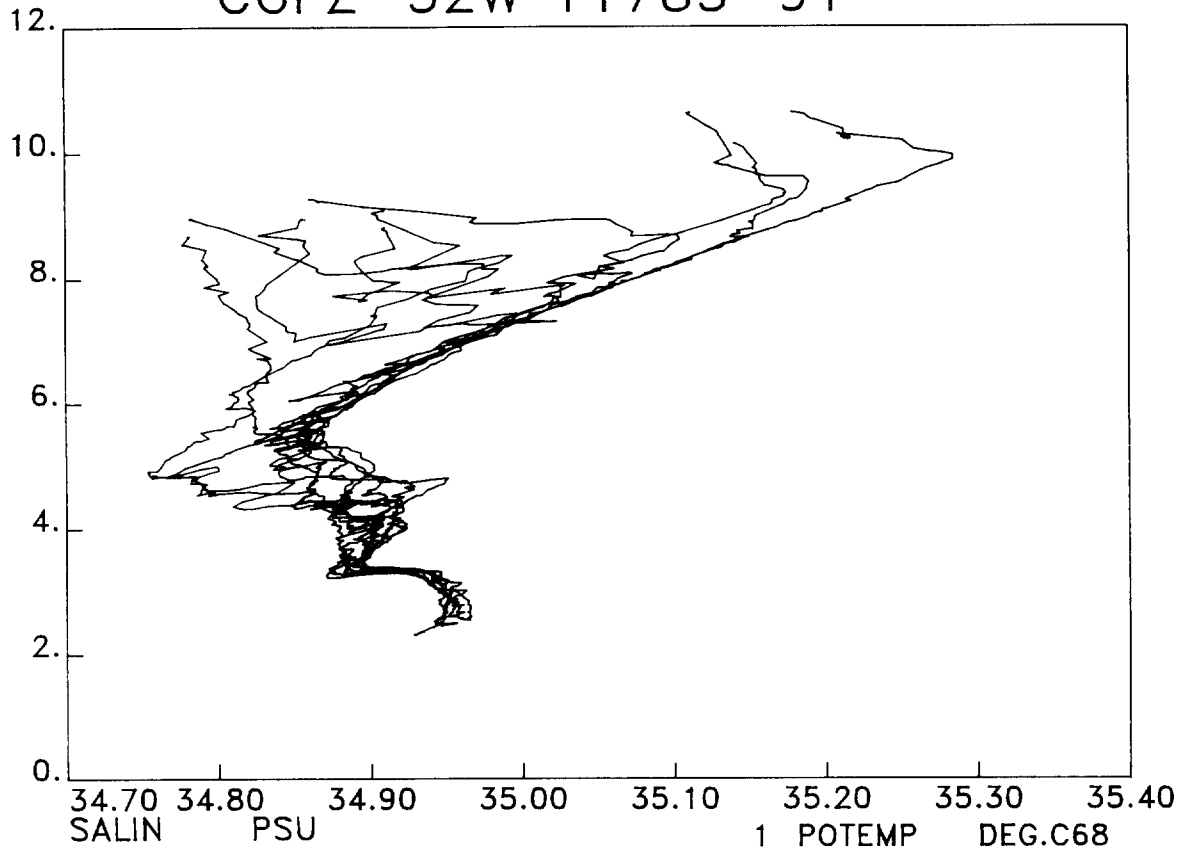
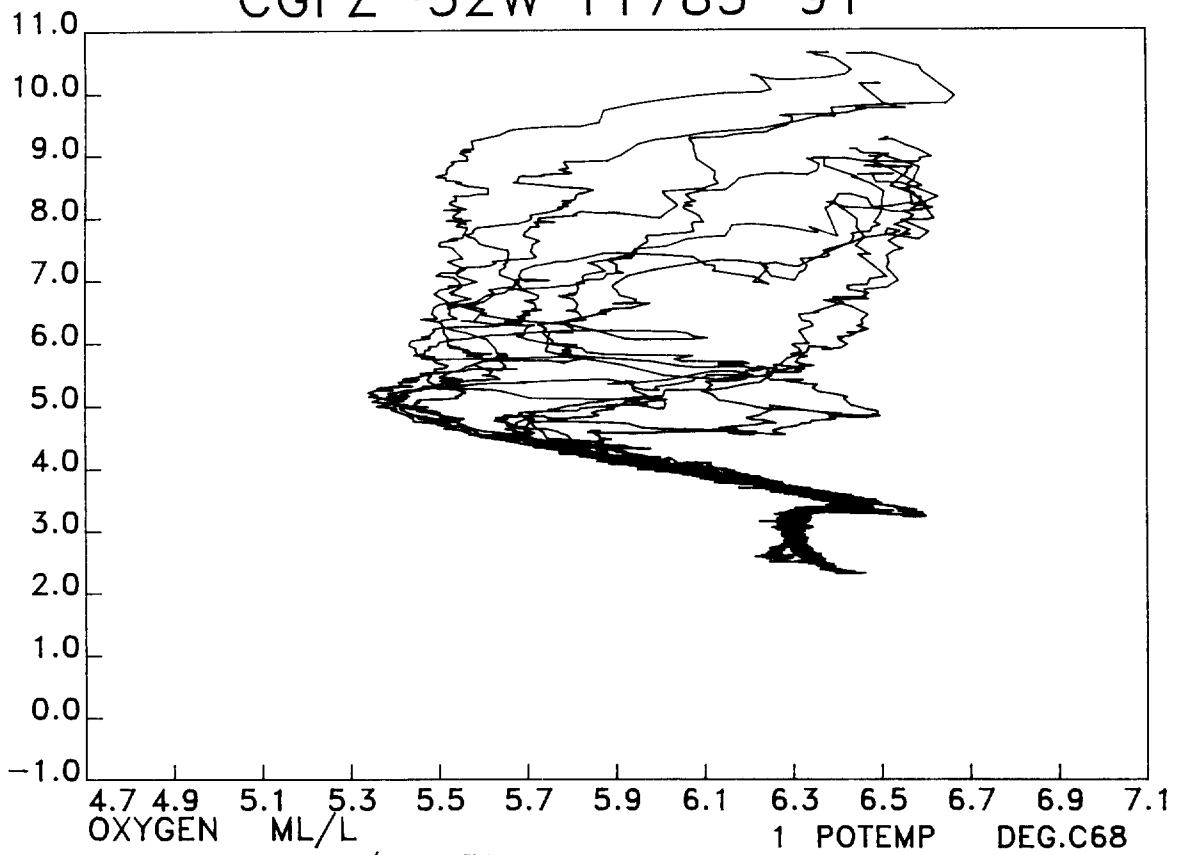


Fig. 6

CGFZ-32W 11783-91



CGFZ-32W 11783-91



START 158 / 114450
STOP 158 / 121339

52 55.30N

32 17.70W

Fig. 7

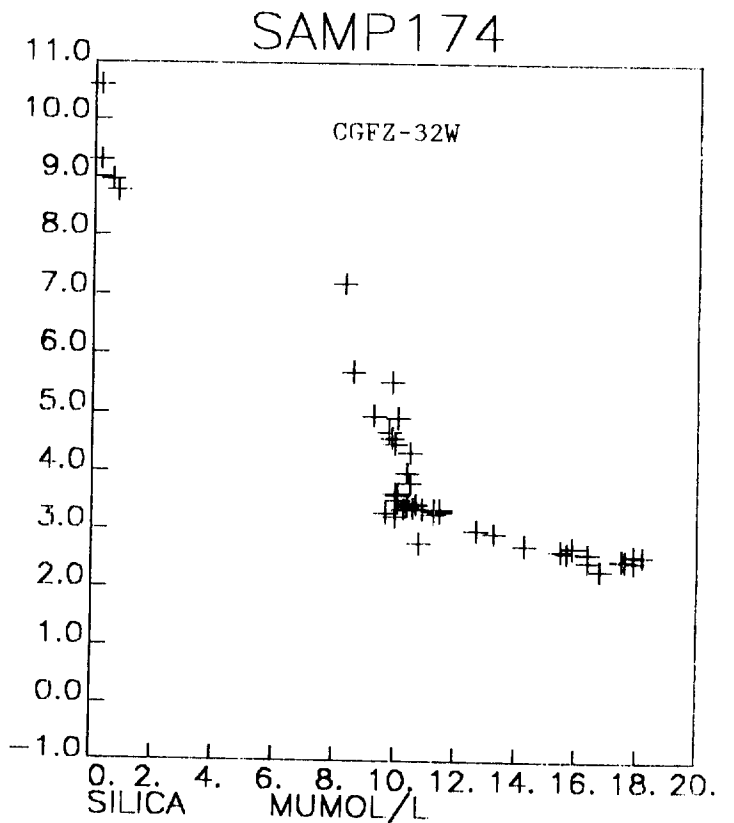
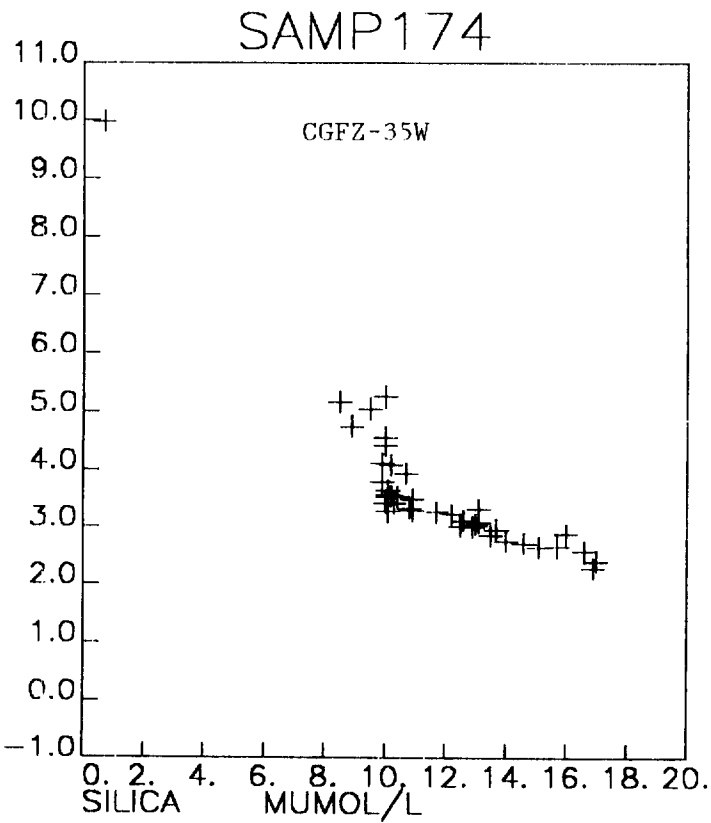
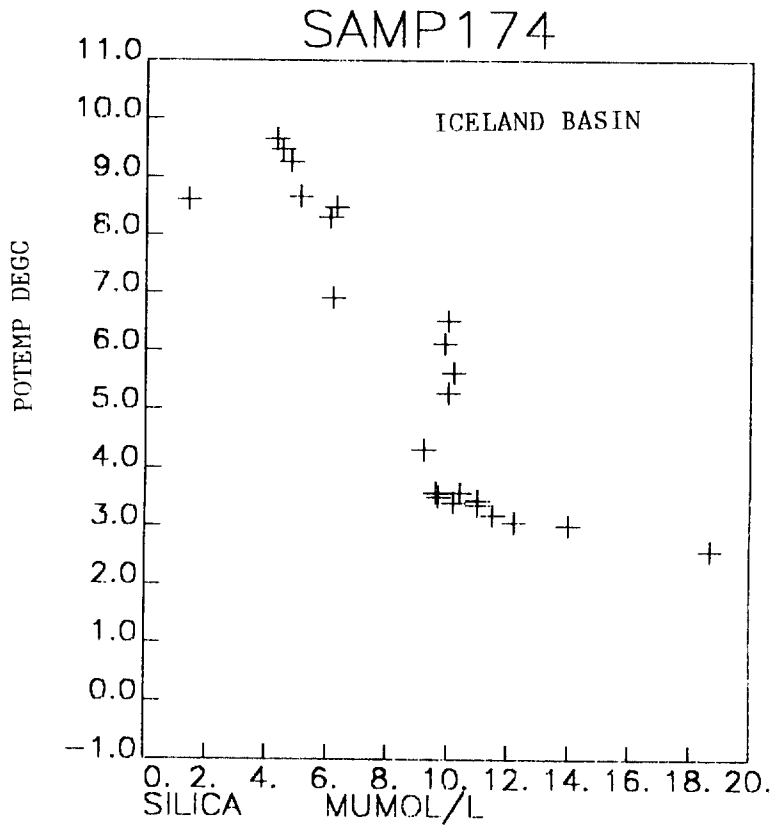


Fig. 8

DISCOVERY 174 STATION 11730

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁸ M ³ /KG	SVANOM C.P.H.	BVFREQ
10.	9.214	35.310	7.04	9.213	33.44	0.008	27.327	31.797	1487.5	10.	74.03	-999.000
20.	8.992	35.311	6.98	8.990	26.01	0.015	27.364	31.838	1486.9	20.	70.76	3.412
30.	8.960	35.311	6.69	8.957	31.90	0.022	27.369	31.845	1486.9	30.	70.43	1.350
50.	8.941	35.311	6.51	8.935	38.86	0.036	27.373	31.849	1487.2	50.	70.53	0.746
75.	8.936	35.311	6.47	8.928	40.04	0.054	27.374	31.850	1487.6	74.	70.99	0.336
100.	8.893	35.309	6.35	8.882	43.16	0.071	27.379	31.856	1487.8	99.	71.01	0.838
125.	8.784	35.300	6.19	8.770	52.86	0.089	27.390	31.870	1487.8	124.	70.49	1.189
150.	8.654	35.289	5.97	8.638	65.02	0.106	27.403	31.885	1487.7	149.	69.77	1.290
175.	8.675	35.298	5.99	8.656	66.58	0.124	27.407	31.889	1488.2	173.	69.95	0.681
200.	8.649	35.294	5.90	8.627	67.31	0.142	27.408	31.891	1488.5	198.	70.31	0.482
250.	8.549	35.280	5.93	8.522	67.90	0.177	27.414	31.899	1489.0	247.	70.76	0.626
300.	8.436	35.267	5.93	8.404	68.02	0.212	27.422	31.910	1489.4	297.	70.96	0.749
350.	8.316	35.253	5.92	8.279	68.12	0.248	27.430	31.921	1489.7	346.	71.13	0.756
400.	8.149	35.241	5.93	8.107	67.94	0.283	27.447	31.942	1489.9	396.	70.36	1.036
450.	7.896	35.236	6.14	7.849	65.89	0.318	27.482	31.983	1489.8	445.	67.85	1.529
500.	7.419	35.208	6.40	7.370	63.44	0.350	27.531	32.043	1488.7	495.	63.67	1.852
550.	6.624	35.172	6.42	6.573	66.12	0.381	27.613	32.144	1486.5	544.	55.82	2.417
600.	3.255	34.997	6.74	3.215	66.80	0.402	27.863	32.480	1473.3	593.	28.25	4.349
650.	1.351	34.924	6.87	1.317	66.92	0.413	27.962	32.633	1465.8	643.	16.04	2.900
700.	0.682	34.909	6.86	0.649	66.83	0.420	27.995	32.685	1463.6	692.	11.88	1.700
750.	-0.156	34.896	6.93	-0.187	66.18	0.424	28.032	32.747	1460.6	742.	6.75	1.867
800.	-0.381	34.896	6.91	-0.413	65.71	0.427	28.044	32.765	1460.3	791.	5.15	1.029
850.	-0.484	34.897	6.95	-0.517	65.03	0.429	28.049	32.774	1460.7	840.	4.32	0.726
900.	-0.629	34.897	6.96	-0.664	65.01	0.431	28.056	32.785	1460.8	890.	3.27	0.815
950.	-0.663	34.897	6.94	-0.700	64.92	0.433	28.058	32.788	1461.5	939.	2.95	0.404
1000.	-0.688	34.898	6.93	-0.727	64.64	0.434	28.059	32.790	1462.2	988.	2.63	0.399
1050.	-0.729	34.898	6.94	-0.770	63.53	0.435	28.061	32.794	1462.9	1037.	2.22	0.471
1100.	-0.732	34.898	6.79	-0.775	63.37	0.436	28.062	32.794	1463.7	1087.	2.09	0.180
1150.	-0.736	34.898	6.74	-0.782	62.95	0.437	28.062	32.795	1464.5	1136.	1.95	0.194

DISCOVERY 174 STATION 11731

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁸ M ³ /KG	SVANOM C.P.H.	BVFREQ
10.	9.501	35.332	6.60	9.500	55.47	0.008	27.297	31.760	1488.6	10.	76.91	-999.000
20.	9.497	35.332	6.59	9.495	55.41	0.015	27.298	31.761	1488.7	20.	77.03	0.598
30.	8.966	35.313	6.69	8.962	43.89	0.023	27.370	31.845	1486.9	30.	70.36	4.793
50.	8.824	35.311	6.06	8.819	53.76	0.037	27.392	31.870	1486.7	50.	68.74	1.853
75.	8.726	35.305	5.96	8.718	62.23	0.054	27.403	31.883	1486.8	74.	68.21	1.192
100.	8.663	35.300	5.99	8.652	64.85	0.071	27.409	31.891	1487.0	99.	68.14	0.896
125.	8.623	35.296	6.05	8.610	65.27	0.088	27.412	31.896	1487.2	124.	68.33	0.674
150.	8.589	35.293	6.06	8.573	65.36	0.105	27.416	31.900	1487.5	149.	68.51	0.684
175.	8.498	35.285	6.06	8.479	65.36	0.122	27.425	31.911	1487.6	173.	68.19	1.058
200.	8.457	35.282	6.06	8.436	66.09	0.139	27.429	31.916	1487.8	198.	68.31	0.728
250.	8.361	35.274	6.07	8.335	66.34	0.173	27.438	31.928	1488.3	247.	68.39	0.795
300.	8.251	35.259	6.01	8.220	67.49	0.207	27.445	31.937	1488.7	297.	68.72	0.678
350.	8.038	35.237	5.95	8.002	67.99	0.242	27.460	31.957	1488.7	346.	68.10	1.039
400.	7.955	35.232	5.95	7.914	67.54	0.276	27.469	31.969	1489.2	396.	68.12	0.802
450.	7.749	35.226	6.06	7.703	67.36	0.309	27.496	32.000	1489.2	445.	66.40	1.341
500.	7.144	35.203	6.33	7.096	66.38	0.341	27.565	32.084	1487.7	495.	60.10	2.198
550.	5.836	35.130	6.51	5.788	66.64	0.369	27.683	32.234	1483.3	544.	48.23	2.916
600.	2.097	34.955	6.85	2.062	66.96	0.386	27.931	32.580	1468.3	593.	20.02	4.390
650.	1.701	34.943	6.80	1.665	66.93	0.395	27.952	32.613	1467.3	643.	17.63	1.334
700.	0.799	34.925	6.86	0.765	66.77	0.402	28.000	32.687	1464.1	692.	11.60	2.042
750.	0.202	34.912	6.88	0.169	66.37	0.407	28.026	32.730	1462.2	742.	8.09	1.552
800.	-0.127	34.908	6.94	-0.161	65.85	0.411	28.041	32.754	1461.5	791.	6.01	1.189
850.	-0.284	34.902	6.96	-0.319	65.07	0.414	28.044	32.763	1461.6	840.	5.29	0.687
900.	-0.284	34.903	7.00	-0.321	65.04	0.416	28.045	32.763	1462.4	890.	5.20	0.210

DISCOVERY 174 STATION 11734

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH	SVANOM M10 ⁻⁸ M ³ /KG	BVFREQ C.P.H.
10.	8.950	35.313	6.48	8.949	28.95	0.007	27.372	31.847	1486.6	10.	69.75	-999.000
20.	8.874	35.311	6.30	8.871	32.92	0.014	27.383	31.860	1486.4	20.	68.92	1.870
30.	8.833	35.311	6.31	8.830	43.78	0.021	27.389	31.867	1486.5	30.	68.53	1.415
50.	8.658	35.299	6.12	8.653	61.21	0.034	27.408	31.891	1486.1	50.	67.13	1.748
75.	8.571	35.293	5.98	8.563	64.99	0.051	27.418	31.902	1486.2	74.	66.75	1.098
100.	8.479	35.285	5.96	8.469	66.08	0.068	27.426	31.913	1486.3	99.	66.47	1.037
125.	8.343	35.275	6.01	8.330	65.99	0.084	27.440	31.929	1486.1	124.	65.67	1.326
150.	8.196	35.264	6.00	8.180	64.94	0.101	27.454	31.948	1486.0	149.	64.75	1.383

DISCOVERY 174 STATION 11735

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIFP0 KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH	SVANOM M10 ⁻⁸ M ³ /KG	BVFREQ C.P.H.
10.	9.025	35.302	6.65	9.024	29.90	0.007	27.352	31.826	1486.8	10.	71.68	-999.000
20.	9.051	35.302	6.75	9.049	28.84	0.014	27.347	31.820	1487.1	20.	72.35	-1.231
30.	8.864	35.312	6.39	8.860	42.84	0.021	27.385	31.863	1486.6	30.	68.91	3.494
50.	8.682	35.291	6.25	8.677	46.21	0.035	27.398	31.880	1486.2	50.	68.09	1.444
75.	8.614	35.288	6.31	8.606	50.78	0.052	27.407	31.891	1486.4	74.	67.76	1.072
100.	8.578	35.288	6.27	8.567	53.50	0.069	27.413	31.897	1486.6	99.	67.73	0.857
125.	8.550	35.286	6.23	8.536	55.48	0.086	27.416	31.901	1486.9	124.	67.93	0.657
150.	8.486	35.279	6.17	8.470	60.42	0.103	27.421	31.908	1487.1	149.	67.98	0.792
175.	8.495	35.286	6.12	8.477	64.06	0.120	27.426	31.912	1487.6	173.	68.07	0.758
200.	8.376	35.280	5.99	8.355	67.00	0.137	27.440	31.929	1487.5	198.	67.18	1.375
250.	8.281	35.277	6.01	8.255	67.17	0.170	27.453	31.944	1488.0	247.	66.94	0.917
300.	8.084	35.267	6.04	8.053	67.24	0.204	27.476	31.972	1488.1	297.	65.62	1.245
350.	7.621	35.241	6.06	7.586	67.18	0.236	27.525	32.032	1487.1	346.	61.67	1.814
400.	6.605	35.179	6.23	6.568	66.34	0.264	27.619	32.151	1483.9	396.	52.75	2.562

DISCOVERY 174 STATION 11736

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH	SVANOM M10 ⁻⁸ M ³ /KG	BVFREQ C.P.H.
10.	9.154	35.295	7.03	9.153	23.19	0.007	27.325	31.796	1487.3	10.	74.24	-999.000
20.	9.139	35.295	7.01	9.137	23.48	0.015	27.327	31.799	1487.4	20.	74.19	0.945
30.	8.770	35.287	6.92	8.767	29.89	0.022	27.381	31.861	1486.2	30.	69.30	4.128
50.	8.614	35.285	6.40	8.609	49.81	0.036	27.404	31.888	1485.9	50.	67.51	1.923
75.	8.546	35.287	6.34	8.539	54.97	0.052	27.417	31.901	1486.1	74.	66.87	1.246
100.	8.529	35.285	6.23	8.518	59.42	0.069	27.418	31.904	1486.4	99.	67.21	0.494
125.	8.523	35.285	6.27	8.510	59.88	0.086	27.420	31.905	1486.8	124.	67.63	0.373
150.	8.430	35.275	6.25	8.414	63.57	0.103	27.427	31.914	1486.9	149.	67.44	0.971
175.	8.241	35.261	6.16	8.223	66.46	0.120	27.445	31.937	1486.6	173.	66.14	1.556
200.	8.021	35.236	6.17	8.001	67.42	0.136	27.459	31.957	1486.1	198.	65.20	1.390
250.	7.991	35.241	6.14	7.965	67.35	0.169	27.468	31.967	1486.8	247.	65.31	0.762
300.	7.875	35.231	6.14	7.844	67.59	0.201	27.479	31.980	1487.2	297.	65.25	0.831
350.	7.710	35.213	6.12	7.674	67.64	0.234	27.490	31.995	1487.4	346.	64.97	0.908
400.	7.388	35.199	6.09	7.349	67.65	0.266	27.527	32.039	1487.0	396.	62.21	1.573
450.	5.973	35.146	6.35	5.933	67.32	0.294	27.677	32.224	1482.2	445.	47.50	3.227
500.	5.193	35.110	6.44	5.152	67.10	0.316	27.745	32.311	1479.9	495.	40.92	2.210
550.	3.847	35.042	6.62	3.808	66.43	0.334	27.840	32.442	1475.1	544.	30.78	2.682
600.	2.767	35.003	6.72	2.729	66.23	0.346	27.912	32.543	1471.2	593.	22.85	2.370

DISCOVERY 174 STATION 11737

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH M	SVANOM M10 ⁻⁸ M ³ /KG	BVFREQ C.P.H.
10.	8.805	35.268	6.85	8.804	23.38	0.007	27.360	31.839	1486.0	10.	70.88	-999.000
20.	8.532	35.261	6.81	8.530	31.51	0.014	27.398	31.883	1485.1	20.	67.48	3.471
30.	8.443	35.263	6.39	8.440	55.95	0.021	27.413	31.900	1484.9	30.	66.25	2.191
50.	8.387	35.262	6.25	8.382	63.46	0.034	27.421	31.910	1485.1	50.	65.88	1.145
75.	8.152	35.223	6.31	8.144	63.46	0.050	27.427	31.922	1484.5	74.	65.78	0.898
100.	8.079	35.219	6.26	8.069	65.48	0.067	27.436	31.932	1484.7	99.	65.45	1.051
125.	7.953	35.214	6.21	7.940	67.05	0.083	27.451	31.950	1484.6	124.	64.49	1.393
150.	7.882	35.211	6.14	7.866	67.70	0.099	27.460	31.960	1484.7	149.	64.13	1.067
175.	7.856	35.209	6.10	7.839	68.10	0.115	27.462	31.964	1485.1	173.	64.36	0.588
200.	7.843	35.211	6.14	7.823	68.17	0.131	27.466	31.968	1485.4	198.	64.48	0.691
250.	7.812	35.207	6.13	7.787	68.24	0.164	27.468	31.971	1486.1	247.	65.20	0.403
300.	7.826	35.216	6.15	7.796	68.08	0.196	27.475	31.977	1487.0	297.	65.60	0.617
350.	7.817	35.226	6.13	7.781	67.93	0.229	27.484	31.987	1487.8	346.	65.62	0.794
400.	7.749	35.221	6.12	7.709	67.81	0.262	27.491	31.995	1488.4	396.	65.90	0.670
450.	7.268	35.198	6.11	7.224	67.38	0.294	27.544	32.059	1487.3	445.	61.40	1.906
500.	5.738	35.139	6.39	5.694	67.26	0.322	27.702	32.255	1482.1	495.	45.61	3.336
550.	4.090	35.056	6.54	4.049	67.05	0.340	27.826	32.421	1476.1	544.	32.47	3.038
600.	2.777	35.007	6.66	2.739	66.78	0.353	27.915	32.545	1471.3	593.	22.63	2.629
650.	-0.023	34.920	6.96	-0.049	66.33	0.360	28.044	32.755	1459.6	643.	5.91	3.370
700.	-0.251	34.908	6.89	-0.279	66.11	0.363	28.046	32.764	1459.3	692.	5.24	0.666
750.	-0.581	34.905	6.96	-0.610	64.97	0.365	28.060	32.787	1458.6	742.	3.25	1.141

DISCOVERY 174 STATION 11738

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH M	SVANOM M10 ⁻⁸ M ³ /KG	BVFREQ C.P.H.
10.	8.709	35.259	6.71	8.707	35.42	0.007	27.369	31.850	1485.6	10.	70.06	-999.000
20.	8.562	35.271	6.72	8.560	41.55	0.014	27.401	31.886	1485.2	20.	67.17	3.213
30.	8.530	35.271	6.63	8.527	45.85	0.021	27.406	31.891	1485.3	30.	66.92	1.240
50.	8.490	35.272	6.37	8.485	56.67	0.034	27.413	31.900	1485.5	50.	66.64	1.079
75.	8.403	35.259	6.39	8.396	59.82	0.051	27.417	31.906	1485.5	74.	66.77	0.721
100.	8.364	35.257	6.32	8.354	60.05	0.067	27.422	31.911	1485.8	99.	66.83	0.778
125.	8.271	35.250	6.22	8.258	63.53	0.084	27.432	31.923	1485.8	124.	66.41	1.114
150.	8.270	35.267	6.14	8.255	66.88	0.101	27.445	31.937	1486.3	149.	65.64	1.306
175.	8.219	35.265	6.09	8.201	67.46	0.117	27.452	31.945	1486.5	173.	65.48	0.941
200.	8.130	35.257	6.11	8.110	67.64	0.133	27.460	31.954	1486.6	198.	65.23	1.007
250.	8.073	35.255	6.11	8.047	67.54	0.166	27.468	31.964	1487.2	247.	65.44	0.723
300.	7.915	35.243	6.09	7.884	67.56	0.198	27.483	31.983	1487.4	297.	64.91	1.006
350.	7.871	35.243	6.11	7.836	67.38	0.231	27.490	31.991	1488.0	346.	65.15	0.698
400.	7.779	35.232	6.10	7.739	67.49	0.264	27.496	31.999	1488.5	396.	65.49	0.646
450.	7.536	35.205	6.00	7.491	67.41	0.296	27.510	32.020	1488.4	445.	64.80	1.043
500.	7.428	35.197	5.94	7.378	67.17	0.329	27.521	32.033	1488.8	495.	64.60	0.865
550.	4.915	35.097	6.43	4.871	67.18	0.356	27.768	32.341	1479.5	544.	39.06	4.201
600.	0.791	34.934	6.93	0.762	66.78	0.367	28.008	32.695	1462.5	593.	10.65	4.395
650.	0.008	34.918	6.90	-0.019	65.65	0.372	28.041	32.751	1459.7	643.	6.26	1.730
700.	-0.344	34.909	6.95	-0.372	64.79	0.374	28.052	32.772	1458.9	692.	4.51	1.079
750.	-0.425	34.908	7.01	-0.454	64.34	0.376	28.055	32.778	1459.3	742.	4.03	0.542
800.	-0.452	34.908	7.06	-0.483	64.21	0.378	28.056	32.780	1460.0	791.	3.81	0.344

DISCOVERY 174 STATION 11739

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH M	SVANOM M ³ /KG	BVFREQ C.P.H.
10.	8.768	35.265	6.75	8.767	29.81	0.007	27.363	31.843	1485.8	10.	70.55	-999.000
20.	8.616	35.258	6.75	8.614	34.77	0.014	27.382	31.866	1485.4	20.	68.96	2.454
30.	8.457	35.261	6.53	8.454	50.01	0.021	27.410	31.897	1485.0	30.	66.55	2.957
50.	8.381	35.258	6.39	8.376	57.83	0.034	27.420	31.908	1485.0	50.	66.04	1.240
75.	8.322	35.256	6.24	8.315	62.23	0.051	27.427	31.917	1485.2	74.	65.85	0.966
100.	8.258	35.257	6.25	8.248	66.20	0.067	27.438	31.930	1485.4	99.	65.30	1.193
125.	8.269	35.264	6.13	8.256	66.92	0.083	27.443	31.934	1485.9	124.	65.39	0.746
150.	8.210	35.262	6.08	8.194	67.66	0.100	27.450	31.943	1486.0	149.	65.12	1.014
175.	8.099	35.251	6.11	8.081	67.81	0.116	27.459	31.954	1486.0	173.	64.80	1.048
200.	8.033	35.241	6.08	8.013	67.93	0.132	27.462	31.959	1486.2	198.	64.99	0.640
250.	7.937	35.229	6.04	7.911	68.15	0.165	27.468	31.967	1486.6	247.	65.36	0.641
300.	7.934	35.233	6.12	7.903	68.04	0.197	27.472	31.971	1487.4	297.	65.94	0.509
350.	7.963	35.247	6.16	7.927	67.59	0.230	27.479	31.978	1488.4	346.	66.22	0.684
400.	7.880	35.242	6.14	7.840	67.56	0.264	27.488	31.989	1488.9	396.	66.26	0.789
450.	7.753	35.228	6.10	7.707	67.68	0.297	27.497	32.001	1489.2	445.	66.27	0.798
500.	7.598	35.213	6.00	7.548	67.59	0.330	27.509	32.017	1489.4	495.	65.95	0.918
550.	7.289	35.191	6.00	7.235	67.37	0.363	27.537	32.052	1489.1	544.	63.85	1.423
600.	0.902	34.953	6.98	0.873	66.19	0.379	28.016	32.699	1463.0	593.	10.09	6.034
650.	-0.459	34.909	6.89	-0.483	63.16	0.382	28.057	32.781	1457.5	643.	3.88	2.049
700.	-0.522	34.907	6.91	-0.548	63.50	0.384	28.059	32.785	1458.0	692.	3.51	0.452
750.	-0.545	34.907	6.98	-0.574	63.74	0.386	28.060	32.786	1458.8	742.	3.33	0.287

DISCOVERY 174 STATION 11740

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH M	SVANOM M ³ /KG	BVFREQ C.P.H.
10.	8.808	35.266	6.99	8.807	23.04	0.007	27.358	31.837	1486.0	10.	71.11	-999.000
20.	8.813	35.266	6.91	8.810	23.17	0.014	27.357	31.836	1486.2	20.	71.37	-0.417
30.	8.772	35.266	6.97	8.768	24.22	0.021	27.364	31.844	1486.2	30.	70.88	1.534
50.	8.549	35.268	6.58	8.544	44.49	0.035	27.401	31.886	1485.7	50.	67.80	2.421
75.	8.460	35.261	6.47	8.452	48.96	0.052	27.410	31.897	1485.7	74.	67.50	1.042
100.	8.384	35.277	6.22	8.373	63.52	0.069	27.434	31.923	1485.9	99.	65.67	1.773
125.	8.324	35.278	6.10	8.311	67.39	0.085	27.445	31.936	1486.1	124.	65.13	1.185
150.	8.269	35.274	6.14	8.253	67.46	0.101	27.451	31.942	1486.3	149.	65.10	0.847
175.	8.192	35.267	6.08	8.174	67.53	0.118	27.458	31.951	1486.4	173.	64.95	0.936
200.	8.167	35.265	6.08	8.146	67.59	0.134	27.460	31.954	1486.7	198.	65.21	0.573
250.	8.126	35.258	6.03	8.100	67.59	0.167	27.462	31.957	1487.4	247.	66.04	0.333
300.	8.075	35.258	6.06	8.044	67.31	0.200	27.470	31.966	1488.0	297.	66.19	0.753
350.	7.911	35.240	6.10	7.876	66.29	0.233	27.482	31.982	1488.2	346.	65.97	0.895
400.	7.773	35.228	6.03	7.732	66.60	0.266	27.494	31.997	1488.5	396.	65.67	0.920
450.	7.779	35.229	6.06	7.733	66.83	0.299	27.494	31.997	1489.3	445.	66.61	0.096

DISCOVERY 174 STATION 11741

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH M	SVANOM M ³ /KG	BVFREQ C.P.H.
10.	8.771	35.276	6.84	8.770	26.99	0.007	27.371	31.851	1485.9	10.	69.79	-999.000
20.	8.750	35.275	6.83	8.748	26.98	0.014	27.375	31.855	1485.9	20.	69.69	1.014
30.	8.609	35.269	6.82	8.605	33.04	0.021	27.392	31.876	1485.6	30.	68.26	2.343
50.	8.346	35.265	6.51	8.341	51.27	0.034	27.430	31.920	1484.9	50.	65.04	2.462
75.	8.211	35.263	6.37	8.203	58.79	0.050	27.450	31.942	1484.8	74.	63.67	1.586
100.	8.185	35.262	6.26	8.175	62.23	0.066	27.454	31.947	1485.1	99.	63.80	0.706
125.	8.141	35.257	6.37	8.128	61.27	0.082	27.457	31.951	1485.4	124.	63.98	0.655
150.	8.133	35.256	6.35	8.118	61.18	0.098	27.457	31.952	1485.8	149.	64.43	0.256
175.	8.129	35.255	6.36	8.111	60.88	0.114	27.458	31.952	1486.1	173.	64.91	0.174
200.	8.128	35.255	6.34	8.107	61.16	0.131	27.458	31.953	1486.6	198.	65.39	0.164
250.	8.123	35.254	6.31	8.097	61.92	0.163	27.459	31.955	1487.4	247.	66.24	0.318
300.	7.915	35.241	6.21	7.885	64.69	0.196	27.481	31.981	1487.4	297.	65.06	1.202
350.	7.746	35.222	6.08	7.711	66.39	0.229	27.492	31.996	1487.5	346.	64.86	0.882

DISCOVERY 174 STATION 11742

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁶ M ³ /KG	SVANOM C.P.H.	BVFREQ
10.	8.572	35.255	6.20	8.571	42.33	0.007	27.386	31.871	1485.1	10.	68.38	-999.000
20.	8.570	35.254	6.19	8.568	42.88	0.014	27.387	31.871	1485.2	20.	68.57	0.278
30.	8.562	35.255	6.22	8.559	43.18	0.021	27.388	31.873	1485.4	30.	68.60	0.777
50.	8.213	35.243	6.12	8.207	59.91	0.034	27.434	31.926	1484.4	50.	64.69	2.682
75.	8.124	35.234	5.97	8.116	61.77	0.050	27.441	31.935	1484.5	74.	64.53	0.945
100.	8.082	35.232	5.91	8.072	64.74	0.066	27.446	31.942	1484.7	99.	64.52	0.827
125.	8.036	35.227	5.89	8.023	65.71	0.082	27.449	31.946	1484.9	124.	64.71	0.636
150.	7.948	35.217	5.84	7.933	66.47	0.099	27.455	31.954	1485.0	149.	64.61	0.889
175.	7.874	35.213	5.85	7.857	67.59	0.115	27.463	31.964	1485.1	173.	64.33	1.014
200.	7.820	35.210	5.80	7.800	68.13	0.131	27.469	31.971	1485.3	198.	64.20	0.901
250.	7.772	35.210	5.77	7.747	68.27	0.163	27.477	31.980	1486.0	247.	64.40	0.717
300.	7.636	35.206	5.73	7.606	68.10	0.195	27.495	32.001	1486.3	297.	63.59	1.084
350.	7.623	35.217	5.78	7.588	67.60	0.227	27.506	32.013	1487.1	346.	63.43	0.857

DISCOVERY 174 STATION 11743

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁶ M ³ /KG	SVANOM C.P.H.	BVFREQ
10.	8.207	35.213	6.60	8.206	39.38	0.007	27.410	31.903	1483.7	10.	66.10	-999.000
20.	8.208	35.213	6.64	8.206	39.28	0.013	27.411	31.904	1483.8	20.	66.27	0.310
30.	8.101	35.211	6.58	8.098	47.04	0.020	27.425	31.920	1483.6	30.	65.11	2.130
50.	7.940	35.209	6.36	7.935	63.89	0.033	27.448	31.947	1483.3	50.	63.30	1.920
75.	7.890	35.208	6.24	7.883	66.41	0.048	27.455	31.955	1483.5	74.	63.13	0.934
100.	7.854	35.208	6.17	7.844	67.89	0.064	27.461	31.962	1483.8	99.	63.05	0.876
125.	7.847	35.207	6.14	7.834	68.23	0.080	27.462	31.963	1484.2	124.	63.42	0.389
150.	7.844	35.207	6.13	7.829	68.28	0.096	27.463	31.964	1484.6	149.	63.83	0.313
175.	7.845	35.207	6.13	7.828	68.35	0.112	27.463	31.964	1485.0	173.	64.31	0.051
200.	7.847	35.208	6.13	7.827	68.35	0.128	27.463	31.965	1485.4	198.	64.73	0.285
250.	7.855	35.209	6.15	7.830	68.50	0.161	27.464	31.966	1486.3	247.	65.63	0.213
300.	7.804	35.207	6.10	7.773	68.61	0.194	27.471	31.974	1486.9	297.	65.94	0.660
350.	7.631	35.195	6.04	7.596	68.49	0.227	27.488	31.995	1487.1	346.	65.17	1.074
400.	7.221	35.185	6.03	7.182	67.64	0.259	27.539	32.056	1486.3	396.	60.87	1.868
450.	7.079	35.179	5.79	7.036	67.12	0.289	27.555	32.076	1486.6	445.	60.09	1.058
500.	6.700	35.163	5.76	6.654	66.78	0.318	27.595	32.125	1485.9	495.	56.75	1.675
550.	3.828	35.053	6.57	3.788	67.05	0.338	27.851	32.453	1475.0	544.	29.76	4.307

DISCOVERY 174 STATION 11744

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁶ M ³ /KG	SVANOM C.P.H.	BVFREQ
10.	8.285	35.223	6.41	8.284	50.03	0.007	27.406	31.897	1484.0	10.	66.48	-999.000
20.	8.286	35.223	6.45	8.284	50.06	0.013	27.406	31.897	1484.1	20.	66.69	0.000
30.	8.282	35.223	6.51	8.279	50.09	0.020	27.407	31.898	1484.3	30.	66.83	0.472
50.	8.262	35.222	6.47	8.256	50.83	0.033	27.410	31.902	1484.5	50.	66.95	0.688
75.	7.878	35.208	6.20	7.871	67.48	0.049	27.457	31.958	1483.5	74.	62.93	2.456
100.	7.845	35.207	6.16	7.835	68.15	0.065	27.461	31.963	1483.8	99.	63.00	0.738
125.	7.842	35.206	6.12	7.830	68.23	0.081	27.462	31.963	1484.2	124.	63.43	0.281
150.	7.841	35.207	6.10	7.826	68.33	0.097	27.463	31.965	1484.6	149.	63.80	0.390
175.	7.839	35.206	6.07	7.821	68.44	0.113	27.463	31.965	1485.0	173.	64.30	-0.115
200.	7.842	35.208	6.10	7.822	68.32	0.129	27.464	31.966	1485.4	198.	64.64	0.429
250.	7.829	35.210	6.07	7.804	68.38	0.161	27.469	31.971	1486.2	247.	65.19	0.530
300.	7.784	35.209	6.03	7.754	68.39	0.194	27.475	31.979	1486.8	297.	65.49	0.664
350.	7.775	35.210	6.07	7.740	68.37	0.227	27.478	31.981	1487.6	346.	66.21	0.398
400.	7.728	35.206	6.02	7.687	68.39	0.260	27.483	31.988	1488.3	396.	66.66	0.579
450.	7.415	35.201	6.02	7.370	67.92	0.293	27.525	32.037	1487.9	445.	63.31	1.691
500.	7.137	35.197	6.13	7.089	67.36	0.324	27.562	32.080	1487.7	495.	60.44	1.590
550.	5.873	35.142	6.38	5.824	66.04	0.351	27.688	32.237	1483.5	544.	47.83	3.040
600.	4.979	35.105	6.41	4.930	66.79	0.374	27.767	32.339	1480.6	593.	39.84	2.413
650.	2.709	35.010	6.61	2.668	66.58	0.389	27.924	32.556	1471.8	643.	22.05	3.504
700.	2.429	34.999	6.62	2.386	66.35	0.400	27.939	32.579	1471.4	692.	20.46	1.140

DISCOVERY 174 STATION 11745

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH	SVANOM M10 ⁻⁸ M ³ /KG	BVFREQ C.P.H.
10.	8.562	35.252	6.66	8.561	34.68	0.007	27.386	31.871	1485.0	10.	68.41	-999.000
20.	8.567	35.253	6.66	8.565	34.96	0.014	27.386	31.871	1485.2	20.	68.60	0.219
30.	8.585	35.258	6.62	8.582	35.55	0.021	27.387	31.871	1485.5	30.	68.72	0.548
50.	8.589	35.258	6.60	8.584	35.59	0.034	27.387	31.871	1485.8	50.	69.18	-0.241
75.	8.638	35.291	6.49	8.630	41.46	0.052	27.406	31.888	1486.4	74.	67.92	1.545
100.	8.508	35.282	6.24	8.497	53.69	0.069	27.419	31.905	1486.4	99.	67.16	1.310
125.	8.394	35.270	6.19	8.381	60.95	0.085	27.428	31.917	1486.3	124.	66.79	1.090
150.	8.367	35.268	6.14	8.351	63.58	0.102	27.431	31.920	1486.6	149.	67.00	0.637
175.	8.365	35.272	6.05	8.347	64.32	0.119	27.435	31.924	1487.1	173.	67.16	0.684
200.	8.329	35.274	6.04	8.308	65.46	0.136	27.442	31.932	1487.3	198.	66.96	0.978
250.	8.198	35.266	6.02	8.172	65.40	0.169	27.457	31.951	1487.7	247.	66.47	1.002
300.	8.123	35.258	6.01	8.092	66.02	0.202	27.463	31.958	1488.2	297.	66.88	0.624
350.	7.985	35.241	6.01	7.949	66.94	0.236	27.471	31.969	1488.5	346.	67.03	0.752
400.	7.899	35.235	6.00	7.858	67.24	0.269	27.480	31.981	1489.0	396.	67.06	0.792
450.	7.694	35.207	5.96	7.649	68.01	0.303	27.489	31.995	1489.0	445.	66.97	0.839
500.	7.587	35.200	5.92	7.536	68.20	0.336	27.500	32.008	1489.4	495.	66.77	0.869
550.	7.457	35.207	5.99	7.402	67.53	0.369	27.525	32.036	1489.7	544.	65.16	1.304
600.	7.428	35.218	6.08	7.368	66.80	0.402	27.539	32.051	1490.4	593.	64.73	0.949
650.	5.508	35.136	6.21	5.452	66.83	0.431	27.729	32.288	1483.6	643.	44.84	3.726
700.	1.330	34.961	6.71	1.293	66.09	0.445	27.994	32.665	1466.6	692.	13.20	4.642
750.	0.987	34.952	6.77	0.949	66.00	0.451	28.010	32.691	1465.8	741.	11.19	1.210

DISCOVERY 174 STATION 11746

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH	SVANOM M10 ⁻⁸ M ³ /KG	BVFREQ C.P.H.
10.	8.454	35.229	6.65	8.453	32.95	0.007	27.384	31.871	1484.6	10.	68.57	-999.000
20.	8.455	35.227	6.65	8.452	33.00	0.014	27.383	31.870	1484.8	20.	68.88	-0.601
30.	8.455	35.227	6.65	8.452	33.23	0.021	27.383	31.870	1484.9	30.	69.09	0.007
50.	8.455	35.227	6.69	8.449	33.02	0.034	27.384	31.871	1485.3	50.	69.45	0.299
75.	8.313	35.225	6.54	8.305	37.88	0.052	27.404	31.895	1485.2	74.	68.01	1.612
100.	8.117	35.216	6.35	8.107	59.22	0.068	27.428	31.923	1484.8	99.	66.22	1.750
125.	8.106	35.215	6.28	8.093	60.04	0.085	27.429	31.925	1485.2	124.	66.60	0.405
150.	8.022	35.217	6.20	8.007	64.37	0.101	27.443	31.941	1485.3	149.	65.73	1.350
175.	8.008	35.216	6.14	7.990	65.17	0.118	27.446	31.943	1485.6	173.	66.01	0.536
200.	7.966	35.215	6.12	7.946	66.33	0.134	27.451	31.950	1485.9	198.	65.92	0.883
250.	7.949	35.218	6.07	7.923	67.34	0.167	27.457	31.956	1486.7	247.	66.40	0.580
300.	7.932	35.218	6.08	7.901	67.73	0.201	27.460	31.960	1487.4	297.	67.03	0.477
350.	7.901	35.216	6.06	7.865	67.96	0.234	27.464	31.965	1488.1	346.	67.60	0.517
400.	7.878	35.215	6.01	7.837	68.12	0.268	27.467	31.969	1488.9	396.	68.23	0.472
450.	7.850	35.214	6.05	7.804	68.15	0.303	27.471	31.973	1489.6	445.	68.78	0.522
500.	7.835	35.212	6.04	7.784	68.18	0.337	27.473	31.976	1490.3	495.	69.54	0.367
550.	7.780	35.205	5.99	7.724	68.26	0.372	27.477	31.981	1490.9	544.	70.11	0.507
600.	7.755	35.205	6.00	7.694	68.26	0.407	27.481	31.985	1491.7	593.	70.63	0.531
650.	7.721	35.204	5.92	7.655	68.19	0.443	27.486	31.992	1492.4	643.	71.01	0.616
700.	7.652	35.204	5.95	7.580	68.10	0.478	27.496	32.004	1492.9	692.	70.86	0.852
750.	7.464	35.192	5.95	7.388	68.11	0.513	27.515	32.027	1493.0	741.	69.71	1.179
800.	7.160	35.190	5.98	7.080	67.47	0.547	27.558	32.077	1492.7	791.	66.08	1.743
850.	6.832	35.186	6.14	6.749	66.51	0.579	27.600	32.127	1492.2	840.	62.31	1.764
900.	6.295	35.150	6.09	6.211	66.80	0.610	27.644	32.184	1490.9	889.	57.94	1.867

DISCOVERY 174 STATION 11747

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGPO KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH M	SVANOM M10 ⁻⁶ M ³ /KG	BVFREQ C.P.H.
10.	8.229	35.212	6.57	8.228	37.94	0.007	27.406	31.898	1483.8	10.	66.52	-999.000
20.	8.232	35.212	6.57	8.230	37.87	0.013	27.406	31.898	1483.9	20.	66.72	-0.099
30.	8.233	35.212	6.56	8.230	37.88	0.020	27.406	31.898	1484.1	30.	66.95	-0.286
50.	8.199	35.212	6.62	8.194	39.88	0.033	27.411	31.904	1484.3	50.	66.83	0.934
75.	8.155	35.211	6.53	8.147	43.09	0.050	27.417	31.912	1484.5	74.	66.72	0.905
100.	8.058	35.212	6.43	8.048	51.27	0.067	27.433	31.930	1484.6	99.	65.72	1.415
125.	7.960	35.212	6.24	7.947	61.76	0.083	27.448	31.947	1484.6	124.	64.74	1.401
150.	7.890	35.209	6.16	7.875	66.00	0.099	27.457	31.957	1484.8	149.	64.40	1.056
175.	7.875	35.209	6.11	7.857	66.99	0.115	27.460	31.961	1485.1	173.	64.62	0.592
200.	7.859	35.208	6.03	7.839	67.86	0.131	27.462	31.963	1485.5	198.	64.87	0.560
250.	7.856	35.208	6.04	7.831	68.22	0.164	27.463	31.965	1486.3	247.	65.72	0.277
300.	7.860	35.208	6.05	7.829	68.25	0.197	27.463	31.965	1487.1	297.	66.68	0.067
350.	7.864	35.208	6.01	7.828	68.26	0.231	27.463	31.965	1488.0	346.	67.65	-0.038
400.	7.868	35.208	6.04	7.828	68.33	0.265	27.463	31.965	1488.8	396.	68.61	-0.025
450.	7.873	35.208	6.03	7.827	68.35	0.299	27.463	31.965	1489.7	445.	69.56	0.109
500.	7.881	35.209	6.08	7.830	68.44	0.334	27.464	31.965	1490.5	495.	70.49	0.129
550.	7.891	35.212	6.06	7.834	68.52	0.370	27.466	31.967	1491.4	544.	71.27	0.346
600.	7.871	35.211	6.01	7.809	68.41	0.406	27.468	31.970	1492.1	593.	71.95	0.437
650.	7.854	35.210	6.00	7.787	68.42	0.442	27.471	31.973	1492.9	643.	72.64	0.415
700.	7.737	35.201	5.96	7.665	68.47	0.478	27.482	31.988	1493.3	692.	72.33	0.919
750.	7.660	35.197	5.92	7.583	68.35	0.514	27.491	31.998	1493.8	741.	72.30	0.805
800.	7.582	35.199	5.83	7.500	68.14	0.550	27.505	32.014	1494.3	791.	71.78	0.982
850.	7.417	35.191	5.76	7.330	68.02	0.586	27.523	32.036	1494.5	840.	70.71	1.154
900.	6.999	35.165	5.64	6.910	67.95	0.620	27.561	32.085	1493.7	889.	67.12	1.734
950.	6.573	35.142	5.64	6.482	67.87	0.654	27.602	32.135	1492.8	939.	63.26	1.775
1000.	5.899	35.105	5.57	5.808	67.42	0.684	27.660	32.211	1490.9	988.	57.01	2.174
1050.	5.636	35.090	5.60	5.542	66.59	0.712	27.682	32.239	1490.7	1037.	55.05	1.344

DISCOVERY 174 STATION 11748

PRES DBAR	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGPO KG/M ³	SIGP1 KG/M ³	SNDVEL M/S	DEPTH M	SVANOM M10 ⁻⁶ M ³ /KG	BVFREQ C.P.H.
10.	9.302	35.332	6.40	9.301	45.34	0.007	27.329	31.797	1487.9	10.	73.78	-999.000
20.	9.305	35.331	6.39	9.303	45.81	0.015	27.328	31.796	1488.0	20.	74.10	-0.547
30.	9.246	35.330	6.40	9.242	45.25	0.022	27.338	31.807	1488.0	30.	73.45	1.706
50.	8.827	35.314	6.32	8.822	47.97	0.037	27.393	31.871	1486.8	50.	68.62	2.963
75.	8.733	35.311	6.12	8.725	58.12	0.054	27.406	31.887	1486.8	74.	67.90	1.300
100.	8.702	35.309	6.05	8.691	59.78	0.071	27.410	31.892	1487.1	99.	68.03	0.727
125.	8.676	35.308	6.05	8.662	61.00	0.088	27.414	31.896	1487.4	124.	68.22	0.674
150.	8.655	35.307	6.03	8.639	62.48	0.105	27.416	31.899	1487.8	149.	68.49	0.596
175.	8.631	35.305	6.01	8.612	63.85	0.122	27.420	31.903	1488.1	173.	68.72	0.627
200.	8.605	35.303	5.96	8.584	64.92	0.139	27.422	31.906	1488.4	198.	68.99	0.530
250.	8.505	35.293	5.98	8.478	67.38	0.174	27.431	31.917	1488.8	247.	69.15	0.772
300.	8.339	35.274	5.98	8.308	67.90	0.208	27.442	31.933	1489.0	297.	68.98	0.893
350.	8.116	35.247	5.96	8.080	68.11	0.243	27.456	31.952	1489.0	346.	68.53	0.986
400.	7.961	35.246	5.99	7.920	67.65	0.277	27.479	31.978	1489.2	396.	67.20	1.246
450.	7.383	35.225	6.15	7.338	67.30	0.309	27.548	32.061	1487.8	445.	61.09	2.173
500.	5.932	35.158	6.24	5.888	67.36	0.336	27.692	32.240	1482.9	495.	46.78	3.186
550.	3.557	35.025	6.66	3.518	66.96	0.356	27.856	32.465	1473.8	544.	28.89	3.522
600.	1.548	34.948	6.81	1.515	66.84	0.366	27.968	32.633	1465.9	593.	15.68	3.016
650.	0.504	34.919	6.91	0.474	66.53	0.373	28.014	32.709	1462.0	643.	9.66	2.035
700.	-0.055	34.913	6.96	-0.084	65.51	0.377	28.040	32.752	1460.2	692.	6.20	1.532
750.	-0.076	34.913	6.95	-0.107	65.11	0.380	28.042	32.754	1460.9	742.	6.02	0.349
800.	-0.084	34.912	6.97	-0.117	64.92	0.383	28.042	32.754	1461.7	791.	5.99	0.150
850.	-0.088	34.912	7.00	-0.125	64.72	0.386	28.042	32.755	1462.5	840.	5.94	0.182
900.	-0.163	34.910	6.99	-0.201	63.90	0.389	28.044	32.759	1463.0	890.	5.54	0.519

DISCOVERY 174 STATION 11749

PRES	TEMP	SALIN	OXYGEN	POTEMP	TRAN	DYNHT	SIGPO	SIGP2	SNDVEL	DEPTH	SVANOM	BVFREQ
DBAR	DEGC	PSU	ML/L	DEGC	PC/M	DYN.M.	KG/M ³	KG/M ³	M/S	M10 ⁻⁶ M ³ /KG	C.P.H.	
10.	10.527	35.232	6.28	10.526	46.67	0.010	27.042	35.827	1492.1	10.	101.06	-999.000
20.	10.518	35.233	6.25	10.516	46.66	0.020	27.045	35.830	1492.3	20.	101.05	0.927
30.	10.492	35.236	6.32	10.488	47.11	0.030	27.051	35.838	1492.4	30.	100.64	1.479
50.	9.998	35.290	6.14	9.992	61.19	0.049	27.180	35.987	1491.0	50.	88.91	4.514
75.	9.791	35.290	6.06	9.782	65.70	0.071	27.216	36.032	1490.7	74.	86.04	2.146
100.	9.477	35.281	5.82	9.466	67.73	0.092	27.262	36.092	1489.9	99.	82.18	2.434
125.	9.226	35.240	5.84	9.212	68.23	0.113	27.272	36.113	1489.4	124.	81.76	1.145
150.	9.456	35.301	5.81	9.439	68.11	0.133	27.282	36.112	1490.7	149.	81.45	1.075
200.	9.126	35.251	5.86	9.104	67.84	0.174	27.299	36.144	1490.3	198.	80.88	1.064
250.	9.143	35.268	5.85	9.116	68.24	0.214	27.309	36.154	1491.2	248.	80.97	0.820
300.	8.985	35.248	5.85	8.952	68.23	0.255	27.320	36.173	1491.4	297.	80.91	0.875
400.	8.776	35.240	5.68	8.732	68.17	0.335	27.349	36.211	1492.2	396.	80.18	0.979
500.	8.399	35.216	5.27	8.345	68.36	0.414	27.391	36.271	1492.5	495.	77.88	1.209
600.	7.798	35.185	4.91	7.737	68.39	0.489	27.459	36.366	1491.8	594.	72.74	1.543
700.	6.808	35.131	4.83	6.741	68.45	0.558	27.558	36.512	1489.6	692.	63.71	1.904
800.	5.793	35.048	5.09	5.722	68.33	0.618	27.626	36.630	1487.1	791.	57.06	1.661
900.	5.341	35.044	5.33	5.263	68.46	0.673	27.679	36.706	1487.0	890.	52.56	1.408
1000.	4.814	35.001	5.65	4.731	68.47	0.724	27.707	36.761	1486.4	989.	50.00	1.137
1100.	4.341	34.964	5.89	4.253	68.30	0.773	27.730	36.809	1486.1	1087.	47.75	1.070
1200.	3.925	34.936	6.04	3.832	67.53	0.820	27.753	36.853	1486.0	1186.	45.51	1.055

DISCOVERY 174 STATION 11750

PRES	TEMP	SALIN	OXYGEN	POTEMP	TRAN	DYNHT	SIGPO	SIGP2	SNDVEL	DEPTH	SVANOM	BVFREQ
DB	DEGC	PSU	ML/L	DEGC	%/M	DYN.M.	KG/M ³	KG/M ³	M/S	M10 ⁻⁶ M ³ /KG	C.P.H.	
10.	10.441	35.271	6.38	10.439	46.53	0.010	27.088	35.876	1491.9	10.	96.70	-999.000
20.	10.440	35.271	6.29	10.437	47.92	0.019	27.088	35.876	1492.0	20.	96.96	-0.230
30.	10.431	35.270	6.28	10.427	49.91	0.029	27.089	35.878	1492.2	30.	97.05	0.706
50.	10.137	35.289	6.10	10.132	58.72	0.048	27.155	35.956	1491.5	50.	91.25	3.239
75.	9.686	35.282	5.85	9.677	66.25	0.070	27.228	36.048	1490.3	74.	84.93	3.036
100.	9.558	35.286	5.76	9.546	67.17	0.091	27.253	36.079	1490.2	99.	83.08	1.798
125.	9.550	35.307	5.78	9.536	67.73	0.112	27.271	36.097	1490.6	124.	81.98	1.494
150.	9.533	35.310	5.79	9.516	67.65	0.132	27.276	36.103	1491.0	149.	82.03	0.836
200.	9.386	35.292	5.80	9.363	68.04	0.173	27.287	36.121	1491.3	198.	82.05	0.864
250.	9.212	35.265	5.84	9.184	68.09	0.214	27.296	36.138	1491.4	248.	82.25	0.779
300.	9.085	35.245	5.83	9.052	68.35	0.255	27.302	36.150	1491.7	297.	82.69	0.654
400.	8.899	35.240	5.65	8.855	68.21	0.338	27.330	36.186	1492.7	396.	82.09	0.960
500.	8.571	35.223	5.35	8.517	68.25	0.419	27.370	36.242	1493.1	495.	80.06	1.176
600.	8.217	35.211	5.11	8.153	68.32	0.498	27.416	36.304	1493.4	594.	77.29	1.267
700.	6.297	34.985	4.97	6.233	68.20	0.570	27.511	36.491	1487.4	692.	67.27	1.988
800.	6.576	35.149	4.91	6.500	68.41	0.634	27.605	36.570	1490.4	791.	60.56	1.670
900.	5.844	35.082	5.15	5.764	68.36	0.692	27.648	36.649	1489.0	890.	56.60	1.360
1000.	5.224	35.033	5.42	5.138	68.33	0.747	27.686	36.718	1488.1	989.	53.02	1.292
1100.	4.737	34.990	5.73	4.646	68.34	0.799	27.708	36.766	1487.8	1087.	50.91	1.065
1200.	4.262	34.957	5.96	4.166	68.12	0.849	27.735	36.817	1487.4	1186.	48.20	1.138
1300.	3.890	34.922	6.20	3.789	68.28	0.896	27.746	36.849	1487.5	1284.	46.96	0.876
1400.	3.729	34.910	6.31	3.621	68.41	0.943	27.754	36.866	1488.5	1383.	46.66	0.656
1500.	3.632	34.909	6.36	3.516	68.38	0.990	27.763	36.880	1489.7	1481.	46.36	0.646
1600.	3.565	34.912	6.38	3.441	68.50	1.036	27.773	36.894	1491.1	1579.	46.10	0.632
1700.	3.529	34.920	6.35	3.396	68.53	1.082	27.784	36.907	1492.7	1678.	45.80	0.638
1800.	3.496	34.927	6.30	3.354	68.50	1.127	27.794	36.919	1494.2	1776.	45.59	0.613
1900.	3.463	34.934	6.32	3.312	68.38	1.173	27.803	36.930	1495.7	1874.	45.46	0.589
2000.	3.407	34.940	6.30	3.248	68.23	1.218	27.814	36.944	1497.2	1972.	45.04	0.666
2100.	3.336	34.944	6.24	3.169	68.00	1.263	27.825	36.960	1498.6	2070.	44.46	0.701

DISCOVERY 174 STATION 11751

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁶ M ³ /KG	SVANOM C.P.H.	BVFREQ C.P.H.
10.	10.245	35.260	6.42	10.243	41.50	0.009	27.113	35.910	1491.2	10.	94.30	999.000
20.	10.230	35.262	6.46	10.228	42.45	0.019	27.117	35.915	1491.3	20.	94.14	1.162
30.	10.048	35.302	6.28	10.044	52.95	0.028	27.181	35.986	1490.9	30.	88.34	4.489
50.	9.842	35.323	5.98	9.837	64.70	0.045	27.232	36.045	1490.5	50.	83.94	2.851
75.	9.715	35.337	5.83	9.706	67.57	0.066	27.266	36.084	1490.4	74.	81.36	2.055
100.	9.623	35.324	5.82	9.612	68.18	0.086	27.271	36.094	1490.5	99.	81.38	0.864
125.	9.577	35.320	5.83	9.563	68.20	0.107	27.277	36.101	1490.7	124.	81.43	0.838
150.	9.503	35.308	5.79	9.486	68.18	0.127	27.280	36.108	1490.9	149.	81.66	0.674
200.	9.388	35.298	5.76	9.365	68.43	0.168	27.292	36.125	1491.3	198.	81.63	0.881
250.	9.295	35.284	5.77	9.267	68.49	0.209	27.297	36.135	1491.7	248.	82.20	0.612
300.	9.189	35.268	5.81	9.156	68.41	0.250	27.303	36.146	1492.2	297.	82.69	0.640
400.	8.968	35.247	5.81	8.924	68.30	0.333	27.324	36.178	1493.0	396.	82.68	0.856
500.	8.769	35.229	5.91	8.714	68.29	0.415	27.343	36.206	1493.9	495.	82.80	0.819
600.	8.524	35.222	5.58	8.459	68.44	0.497	27.378	36.252	1494.6	594.	81.32	1.092
700.	7.880	35.172	4.92	7.807	68.55	0.576	27.438	36.343	1493.8	692.	76.65	1.492
800.	6.971	35.127	4.87	6.893	68.56	0.649	27.534	36.481	1491.9	791.	67.95	1.878
900.	6.213	35.114	5.03	6.129	68.57	0.712	27.626	36.610	1490.5	890.	59.39	1.850
1000.	5.388	35.042	5.35	5.301	68.61	0.769	27.673	36.697	1488.8	988.	54.60	1.448
1100.	4.742	34.982	5.67	4.650	68.60	0.822	27.702	36.760	1487.8	1087.	51.51	1.212
1200.	4.385	34.951	5.94	4.288	68.67	0.873	27.716	36.793	1487.9	1186.	50.25	0.912
1300.	4.073	34.928	6.11	3.970	68.60	0.923	27.732	36.825	1488.3	1284.	48.90	0.904
1400.	3.893	34.916	6.27	3.783	68.55	0.972	27.742	36.845	1489.2	1383.	48.35	0.726
1500.	3.752	34.908	6.31	3.635	68.55	1.020	27.751	36.862	1490.2	1481.	47.94	0.682
1600.	3.670	34.907	6.37	3.544	68.59	1.068	27.759	36.874	1491.6	1579.	47.81	0.605
1700.	3.600	34.903	6.43	3.466	68.64	1.115	27.764	36.884	1492.9	1678.	47.94	0.517
1800.	3.580	34.909	6.44	3.437	68.64	1.163	27.771	36.893	1494.5	1776.	48.04	0.525
1900.	3.548	34.925	6.38	3.396	68.43	1.211	27.788	36.911	1496.1	1874.	47.22	0.766
2000.	3.494	34.933	6.34	3.334	68.45	1.258	27.800	36.927	1497.6	1972.	46.68	0.700
2100.	3.418	34.941	6.30	3.249	68.48	1.304	27.814	36.945	1498.9	2070.	45.84	0.765
2200.	3.330	34.946	6.25	3.153	68.54	1.350	27.828	36.964	1500.2	2169.	44.96	0.772
2300.	3.264	34.951	6.28	3.079	68.35	1.394	27.838	36.978	1501.7	2267.	44.44	0.633
2400.	3.142	34.955	6.26	2.950	68.43	1.438	27.854	37.000	1502.8	2365.	43.11	0.857

DISCOVERY 174 STATION 11752

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGPO KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁸ M ³ /KG	SVANOM C.P.H.	BVFREQ C.P.H.
10.	10.418	35.266	6.29	10.417	45.68	0.010	27.088	35.877	1491.8	10.	96.69	-999.000
20.	10.420	35.267	6.30	10.418	45.49	0.019	27.088	35.878	1492.0	20.	96.90	0.381
30.	10.420	35.267	6.28	10.417	45.54	0.029	27.088	35.878	1492.1	30.	97.15	-0.138
50.	10.266	35.304	6.26	10.260	55.06	0.048	27.145	35.940	1492.0	50.	92.27	2.991
75.	10.148	35.326	6.01	10.139	62.41	0.071	27.183	35.983	1492.0	74.	89.22	2.208
100.	9.871	35.320	5.91	9.860	64.33	0.093	27.226	36.038	1491.4	99.	85.69	2.346
125.	9.697	35.320	5.79	9.683	66.33	0.114	27.257	36.076	1491.2	124.	83.37	1.971
150.	9.276	35.249	5.78	9.260	67.90	0.134	27.271	36.110	1490.0	149.	82.42	1.420
200.	9.338	35.280	5.78	9.316	67.95	0.176	27.287	36.123	1491.1	198.	82.10	0.982
250.	9.105	35.240	5.80	9.077	68.20	0.217	27.294	36.140	1491.0	248.	82.43	0.719
300.	9.107	35.248	5.84	9.074	68.31	0.258	27.301	36.148	1491.8	297.	82.84	0.678
400.	8.366	35.120	5.95	8.324	68.22	0.341	27.319	36.201	1490.6	396.	82.65	0.874
500.	8.146	35.113	5.38	8.094	68.18	0.423	27.349	36.241	1491.4	495.	81.57	1.013
600.	7.823	35.147	5.00	7.761	68.30	0.502	27.425	36.332	1491.9	594.	75.91	1.595
700.	7.316	35.157	4.79	7.246	68.35	0.574	27.508	36.438	1491.6	692.	69.25	1.688
800.	6.742	35.161	4.90	6.665	68.27	0.640	27.593	36.550	1491.0	791.	62.03	1.733
900.	5.791	35.066	5.10	5.710	68.49	0.699	27.642	36.646	1488.8	890.	57.05	1.481
1000.	5.308	35.047	5.40	5.221	68.51	0.754	27.687	36.715	1488.5	988.	53.13	1.337
1100.	4.729	34.984	5.68	4.638	68.53	0.807	27.704	36.763	1487.7	1087.	51.24	1.030
1200.	4.379	34.957	5.88	4.282	68.50	0.857	27.722	36.799	1487.9	1186.	49.73	0.947
1300.	4.045	34.925	6.08	3.942	68.56	0.906	27.732	36.827	1488.1	1284.	48.75	0.830
1400.	3.892	34.916	6.20	3.782	68.42	0.955	27.742	36.845	1489.2	1383.	48.32	0.697
1500.	3.774	34.909	6.30	3.657	68.54	1.003	27.749	36.859	1490.3	1481.	48.20	0.608
1600.	3.683	34.905	6.34	3.557	68.50	1.051	27.756	36.871	1491.6	1579.	48.13	0.585
1700.	3.597	34.901	6.40	3.464	68.60	1.099	27.762	36.882	1492.9	1678.	48.10	0.570
1800.	3.577	34.907	6.40	3.434	68.53	1.148	27.770	36.891	1494.5	1776.	48.16	0.537
1900.	3.555	34.918	6.39	3.404	68.53	1.196	27.781	36.904	1496.1	1874.	47.86	0.642
2000.	3.531	34.929	6.33	3.370	68.45	1.243	27.794	36.918	1497.7	1972.	47.47	0.661
2100.	3.495	34.937	6.32	3.325	68.54	1.291	27.804	36.931	1499.2	2070.	47.19	0.632
2200.	3.441	34.943	6.34	3.263	68.68	1.338	27.815	36.945	1500.7	2168.	46.78	0.665
2300.	3.363	34.943	6.32	3.177	68.70	1.384	27.823	36.958	1502.1	2267.	46.40	0.653
2400.	3.320	34.949	6.30	3.124	68.61	1.430	27.833	36.970	1503.6	2365.	46.05	0.642
2500.	3.270	34.953	6.25	3.065	68.60	1.476	27.841	36.982	1505.1	2462.	45.78	0.617
2600.	3.191	34.954	6.29	2.978	68.54	1.522	27.851	36.996	1506.4	2560.	45.20	0.696
2700.	3.132	34.957	6.26	2.910	68.55	1.567	27.859	37.008	1507.9	2658.	44.80	0.645
2800.	3.074	34.960	6.24	2.843	68.47	1.611	27.868	37.020	1509.3	2756.	44.35	0.656
2900.	3.004	34.963	6.20	2.764	68.31	1.655	27.877	37.033	1510.7	2854.	43.77	0.685
3000.	2.911	34.959	6.31	2.662	68.26	1.699	27.883	37.045	1512.0	2952.	43.24	0.669
3200.	2.767	34.961	6.28	2.501	67.31	1.784	27.899	37.069	1514.8	3147.	42.10	0.672

DISCOVERY 174 STATION 11753

PRES	TEMP	SALIN	OXYGEN	POTEMP	TRAN	DYNHT	SIGP0	SIGP2	SNDVEL	DEPTH	SVANOM	BVFREQ
DB	DEGC	PSU	ML/L	DEGC	PC/M	DYN.M.	KG/M ³	KG/M ³	M/S	M10 ⁻⁶ M ³ /KG	C.P.H.	
10.	9.487	35.134	6.25	9.485	49.26	0.009	27.144	35.975	1488.3	10.	91.37	-999.000
20.	9.487	35.134	6.30	9.484	49.42	0.018	27.144	35.975	1488.5	20.	91.60	-0.120
30.	9.455	35.134	6.34	9.451	51.04	0.027	27.150	35.982	1488.5	30.	91.24	1.396
50.	9.175	35.160	6.20	9.169	64.07	0.045	27.216	36.060	1487.9	50.	85.37	3.245
75.	8.835	35.182	6.00	8.827	67.17	0.066	27.288	36.147	1487.0	74.	79.04	3.028
100.	8.800	35.182	5.95	8.789	67.58	0.085	27.295	36.155	1487.3	99.	78.95	0.916
125.	8.784	35.179	5.84	8.771	67.90	0.105	27.295	36.157	1487.7	124.	79.43	0.248
150.	8.777	35.178	5.95	8.761	68.07	0.125	27.296	36.157	1488.1	149.	79.91	0.260
200.	8.744	35.170	5.90	8.723	68.06	0.165	27.296	36.159	1488.7	198.	80.94	0.154
250.	8.559	35.152	5.98	8.533	68.20	0.206	27.312	36.184	1488.9	248.	80.42	1.023
300.	8.618	35.177	5.98	8.586	68.33	0.246	27.323	36.193	1489.9	297.	80.39	0.841
400.	7.521	35.006	5.58	7.481	68.33	0.325	27.356	36.277	1487.2	396.	78.41	1.148
500.	6.892	35.028	4.97	6.844	68.31	0.399	27.463	36.414	1486.5	495.	69.40	1.899
600.	6.003	35.002	5.11	5.950	68.26	0.464	27.561	36.554	1484.6	594.	60.65	1.862
700.	5.587	35.037	5.27	5.526	68.34	0.521	27.642	36.655	1484.7	692.	53.85	1.664
800.	4.899	34.968	5.56	4.834	68.46	0.574	27.670	36.719	1483.4	791.	51.27	1.143
900.	4.432	34.935	5.83	4.361	68.33	0.624	27.696	36.769	1483.1	890.	48.99	1.079
1000.	4.194	34.927	6.03	4.116	68.37	0.672	27.716	36.802	1483.8	988.	47.60	0.914
1100.	4.018	34.917	6.16	3.933	68.47	0.720	27.727	36.823	1484.7	1087.	47.13	0.716
1200.	3.894	34.911	6.24	3.801	68.50	0.767	27.736	36.839	1485.8	1186.	46.95	0.633
1300.	3.752	34.902	6.34	3.652	68.54	0.814	27.744	36.854	1486.9	1284.	46.73	0.633
1400.	3.667	34.900	6.41	3.559	68.58	0.860	27.752	36.867	1488.2	1383.	46.63	0.595
1500.	3.578	34.894	6.46	3.462	68.60	0.907	27.757	36.877	1489.5	1481.	46.72	0.531
1600.	3.518	34.892	6.49	3.395	68.57	0.954	27.762	36.886	1490.9	1579.	46.91	0.493
1700.	3.524	34.902	6.47	3.392	68.63	1.001	27.769	36.893	1492.6	1678.	47.10	0.491
1800.	3.536	34.914	6.40	3.394	68.64	1.048	27.779	36.902	1494.3	1776.	47.15	0.536
1900.	3.532	34.922	6.36	3.380	68.65	1.095	27.787	36.911	1496.0	1874.	47.24	0.524
2000.	3.513	34.932	6.33	3.353	68.67	1.142	27.798	36.923	1497.6	1972.	47.03	0.613
2100.	3.449	34.935	6.35	3.280	68.65	1.189	27.807	36.936	1499.0	2070.	46.72	0.638
2200.	3.407	34.940	6.32	3.229	68.65	1.236	27.816	36.948	1500.6	2168.	46.47	0.621
2300.	3.346	34.946	6.32	3.159	68.65	1.282	27.827	36.963	1502.0	2266.	45.93	0.691
2400.	3.287	34.953	6.32	3.092	68.57	1.328	27.839	36.978	1503.4	2364.	45.27	0.718
2500.	3.231	34.960	6.30	3.027	68.59	1.373	27.851	36.993	1504.9	2462.	44.65	0.706
2600.	3.133	34.967	6.31	2.920	68.41	1.417	27.866	37.014	1506.2	2560.	43.45	0.833
2700.	3.009	34.967	6.28	2.789	68.35	1.459	27.878	37.033	1507.4	2658.	42.30	0.816
2800.	2.861	34.960	6.20	2.634	68.34	1.501	27.887	37.050	1508.4	2756.	41.19	0.802
2900.	2.808	34.971	6.31	2.571	67.86	1.542	27.901	37.067	1509.9	2854.	40.24	0.761
3000.	2.723	34.973	6.39	2.478	67.07	1.582	27.911	37.082	1511.2	2951.	39.40	0.737

DISCOVERY 174 STATION 11754

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M	SVANOM M ¹⁰ - ⁶ M ³ /KG	BVFREQ C.P.H.
10.	9.360	35.099	6.30	9.359	50.67	0.009	27.138	35.974	1487.8	10.	91.96	-999.000
20.	9.350	35.099	6.43	9.348	50.66	0.018	27.140	35.977	1487.9	20.	91.99	0.789
30.	9.336	35.098	6.48	9.332	50.82	0.028	27.141	35.979	1488.0	30.	92.05	0.756
50.	9.098	35.094	6.43	9.093	54.24	0.046	27.177	36.025	1487.5	50.	89.11	2.372
75.	8.721	35.147	6.30	8.713	63.74	0.067	27.279	36.143	1486.6	74.	79.90	3.607
100.	8.739	35.176	6.12	8.728	65.99	0.087	27.300	36.163	1487.1	99.	78.44	1.627
125.	8.627	35.168	6.07	8.613	66.96	0.106	27.312	36.180	1487.1	124.	77.83	1.235
150.	8.523	35.155	5.99	8.508	68.06	0.126	27.318	36.191	1487.1	149.	77.77	0.874
200.	8.353	35.135	5.99	8.332	67.78	0.164	27.330	36.211	1487.2	198.	77.58	0.902
250.	8.103	35.105	5.85	8.078	67.83	0.203	27.345	36.238	1487.1	248.	77.02	1.021
300.	7.960	35.099	5.80	7.930	68.00	0.241	27.363	36.262	1487.4	297.	76.22	1.088
400.	7.116	35.018	5.52	7.078	68.14	0.315	27.422	36.362	1485.7	396.	71.78	1.450
500.	5.866	34.917	5.48	5.823	68.22	0.383	27.510	36.511	1482.3	495.	63.81	1.790
600.	5.809	34.996	5.21	5.757	68.12	0.444	27.581	36.584	1483.8	594.	58.47	1.509
700.	5.194	34.988	5.46	5.136	68.39	0.500	27.650	36.684	1483.0	692.	52.38	1.582
800.	4.720	34.964	5.65	4.655	68.46	0.551	27.686	36.744	1482.7	791.	49.38	1.195
900.	4.446	34.949	5.87	4.375	68.56	0.599	27.706	36.778	1483.2	890.	48.10	0.907
1000.	4.169	34.931	6.03	4.091	68.63	0.647	27.722	36.809	1483.7	988.	47.04	0.852
1100.	3.987	34.919	6.20	3.902	68.66	0.694	27.732	36.829	1484.6	1087.	46.61	0.702
1200.	3.850	34.910	6.27	3.758	68.71	0.740	27.740	36.844	1485.7	1186.	46.49	0.615
1300.	3.734	34.904	6.33	3.634	68.76	0.787	27.747	36.858	1486.8	1284.	46.38	0.603
1400.	3.673	34.902	6.38	3.565	68.73	0.833	27.752	36.867	1488.2	1382.	46.59	0.500
1500.	3.614	34.900	6.42	3.499	68.76	0.880	27.758	36.876	1489.6	1481.	46.80	0.493
1600.	3.550	34.899	6.48	3.426	68.73	0.927	27.764	36.886	1491.0	1579.	46.82	0.548
1700.	3.522	34.902	6.48	3.390	68.75	0.974	27.770	36.894	1492.6	1678.	47.01	0.492
1800.	3.529	34.912	6.44	3.387	68.74	1.021	27.778	36.902	1494.3	1776.	47.15	0.508
1900.	3.530	34.926	6.38	3.379	68.72	1.068	27.790	36.914	1496.0	1874.	46.96	0.607
2000.	3.503	34.935	6.34	3.343	68.68	1.115	27.801	36.927	1497.6	1972.	46.70	0.627
2100.	3.467	34.945	6.32	3.297	68.69	1.161	27.813	36.941	1499.1	2070.	46.22	0.684
2200.	3.379	34.959	6.32	3.202	68.62	1.207	27.834	36.967	1500.5	2168.	44.72	0.899
2300.	3.280	34.962	6.31	3.094	68.59	1.251	27.846	36.985	1501.7	2266.	43.82	0.772
2400.	3.159	34.965	6.30	2.966	68.53	1.294	27.860	37.006	1502.9	2364.	42.62	0.833
2500.	3.039	34.966	6.28	2.838	68.49	1.336	27.873	37.025	1504.1	2462.	41.47	0.816
2600.	2.900	34.965	6.25	2.692	68.37	1.377	27.885	37.045	1505.2	2560.	40.21	0.834
2700.	2.771	34.968	6.26	2.556	67.93	1.416	27.900	37.067	1506.3	2658.	38.72	0.875
2800.	2.660	34.973	6.36	2.437	63.05	1.454	27.914	37.088	1507.6	2756.	37.32	0.852

DISCOVERY 174 STATION 11755

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁶ M ³ /KG	SVANOM C.P.H.	BVFREQ
10.	8.705	34.960	6.63	8.704	43.14	0.009	27.134	36.002	1485.2	10.	92.24	999.000
20.	8.652	34.962	6.68	8.650	44.21	0.018	27.144	36.014	1485.2	20.	91.53	1.746
30.	8.625	34.961	6.69	8.622	44.61	0.028	27.148	36.019	1485.2	30.	91.39	1.078
50.	8.104	35.032	6.58	8.099	60.22	0.045	27.284	36.177	1483.7	50.	78.82	4.651
75.	8.078	35.050	6.38	8.070	64.65	0.064	27.303	36.197	1484.1	74.	77.58	1.521
100.	7.872	35.057	6.29	7.862	66.52	0.083	27.340	36.243	1483.7	99.	74.49	2.184
125.	7.810	35.058	6.23	7.797	67.89	0.102	27.350	36.257	1483.9	124.	73.97	1.158
150.	7.670	35.041	6.18	7.655	68.05	0.120	27.358	36.271	1483.7	149.	73.70	0.996
200.	7.343	35.005	6.17	7.324	68.31	0.157	27.378	36.306	1483.3	198.	72.60	1.160
250.	6.998	34.963	6.13	6.974	68.27	0.193	27.393	36.339	1482.7	248.	71.82	1.055
300.	6.670	34.929	6.15	6.642	68.31	0.228	27.412	36.374	1482.2	297.	70.64	1.162
400.	5.893	34.876	6.20	5.858	68.04	0.297	27.473	36.473	1480.7	396.	65.83	1.458
500.	5.333	34.910	5.61	5.291	68.40	0.358	27.569	36.597	1480.2	495.	57.53	1.802
600.	4.807	34.910	5.53	4.759	68.57	0.413	27.632	36.685	1479.7	594.	52.23	1.485
700.	4.474	34.915	5.73	4.420	68.48	0.464	27.674	36.744	1480.0	692.	48.92	1.226
800.	4.270	34.924	5.88	4.209	68.48	0.512	27.703	36.785	1480.8	791.	46.86	1.033
900.	4.056	34.917	6.10	3.988	68.50	0.558	27.722	36.814	1481.5	890.	45.76	0.854
1000.	3.907	34.910	6.20	3.831	68.62	0.604	27.732	36.833	1482.6	988.	45.41	0.678
1100.	3.793	34.905	6.29	3.710	68.66	0.649	27.741	36.848	1483.7	1087.	45.27	0.614
1200.	3.693	34.899	6.32	3.603	68.72	0.694	27.746	36.859	1485.0	1186.	45.39	0.530
1300.	3.628	34.898	6.37	3.529	68.71	0.740	27.753	36.870	1486.4	1284.	45.48	0.535
1400.	3.577	34.897	6.40	3.470	68.73	0.785	27.758	36.878	1487.8	1382.	45.72	0.479
1500.	3.517	34.895	6.43	3.403	68.72	0.831	27.763	36.887	1489.2	1481.	45.89	0.497
1600.	3.499	34.904	6.42	3.376	68.74	0.877	27.773	36.897	1490.8	1579.	45.84	0.569
1700.	3.566	34.926	6.35	3.433	68.71	0.923	27.785	36.907	1492.8	1678.	45.83	0.556
1800.	3.497	34.932	6.32	3.356	68.72	0.968	27.798	36.923	1494.2	1776.	45.26	0.707
1900.	3.470	34.941	6.28	3.319	68.73	1.014	27.808	36.935	1495.8	1874.	45.05	0.611
2000.	3.399	34.949	6.27	3.240	68.72	1.058	27.822	36.953	1497.2	1972.	44.23	0.759
2100.	3.342	34.959	6.27	3.175	68.63	1.102	27.836	36.971	1498.6	2070.	43.47	0.746
2200.	3.212	34.968	6.29	3.037	68.52	1.145	27.857	36.998	1499.8	2168.	41.71	0.941
2300.	3.054	34.970	6.28	2.872	68.43	1.185	27.873	37.023	1500.8	2266.	40.10	0.909
2400.	2.905	34.971	6.28	2.716	68.29	1.225	27.888	37.046	1501.8	2364.	38.62	0.877
2500.	2.769	34.973	6.29	2.573	67.10	1.263	27.902	37.069	1503.0	2462.	37.13	0.874
2600.	2.700	34.973	6.31	2.496	66.50	1.300	27.909	37.080	1504.4	2560.	36.74	0.618
2700.	2.637	34.974	6.36	2.424	63.60	1.336	27.916	37.090	1505.8	2658.	36.37	0.610

DISCOVERY 174 STATION 11756

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁶ M ³ /KG	SVANOM C.P.H.	BVFREQ
10.	8.256	34.867	6.67	8.255	53.69	0.009	27.131	36.020	1483.4	10.	92.55	-999.000
20.	8.265	34.867	6.72	8.263	53.75	0.019	27.130	36.018	1483.6	20.	92.85	-0.569
30.	8.056	34.879	6.77	8.053	53.80	0.028	27.171	36.069	1483.0	30.	89.14	3.608
50.	7.242	34.892	6.73	7.238	62.99	0.044	27.300	36.235	1480.3	50.	77.20	4.531
75.	6.999	34.875	6.69	6.992	65.54	0.063	27.322	36.268	1479.7	74.	75.59	1.651
100.	6.780	34.872	6.57	6.771	65.83	0.082	27.350	36.307	1479.3	99.	73.26	1.916
125.	6.373	34.838	6.48	6.362	66.61	0.100	27.378	36.355	1478.1	124.	70.91	1.921
150.	6.338	34.851	6.44	6.324	67.22	0.118	27.393	36.371	1478.3	149.	69.85	1.390
200.	5.973	34.861	6.11	5.955	67.58	0.151	27.449	36.444	1477.7	198.	65.23	1.896
250.	5.700	34.870	6.02	5.679	67.96	0.183	27.491	36.499	1477.5	248.	61.84	1.659
300.	5.706	34.930	5.64	5.680	68.40	0.213	27.538	36.546	1478.4	297.	58.09	1.728
400.	4.929	34.888	5.58	4.897	68.51	0.269	27.599	36.646	1476.9	396.	53.05	1.462
500.	4.618	34.913	5.63	4.579	68.68	0.320	27.655	36.717	1477.3	495.	48.63	1.374
600.	4.436	34.927	5.77	4.389	68.67	0.367	27.686	36.758	1478.2	594.	46.57	1.037
700.	4.286	34.935	5.93	4.232	68.78	0.413	27.710	36.790	1479.2	692.	45.18	0.917
800.	4.063	34.922	6.11	4.003	68.75	0.458	27.724	36.816	1479.9	791.	44.55	0.755
900.	3.895	34.912	6.21	3.828	68.71	0.502	27.734	36.835	1480.9	890.	44.21	0.675
1000.	3.757	34.905	6.30	3.682	68.80	0.546	27.744	36.852	1481.9	988.	43.97	0.641
1100.	3.664	34.900	6.38	3.582	68.81	0.590	27.749	36.863	1483.2	1087.	44.12	0.519
1200.	3.579	34.894	6.42	3.489	68.81	0.635	27.754	36.873	1484.5	1186.	44.31	0.498
1300.	3.520	34.892	6.46	3.422	68.88	0.679	27.759	36.881	1485.9	1284.	44.60	0.457
1400.	3.488	34.895	6.48	3.383	68.82	0.724	27.765	36.889	1487.4	1382.	44.78	0.494
1500.	3.483	34.903	6.42	3.369	68.90	0.769	27.773	36.898	1489.1	1481.	44.86	0.524
1600.	3.490	34.916	6.41	3.367	68.86	0.813	27.784	36.909	1490.8	1579.	44.79	0.572
1700.	3.480	34.928	6.35	3.348	68.85	0.858	27.794	36.920	1492.5	1677.	44.61	0.603
1800.	3.451	34.938	6.33	3.311	68.84	0.903	27.806	36.934	1494.0	1776.	44.28	0.643
1900.	3.407	34.942	6.29	3.257	68.76	0.947	27.815	36.945	1495.5	1874.	44.12	0.594
2000.	3.339	34.948	6.27	3.181	68.80	0.991	27.827	36.961	1496.9	1972.	43.51	0.708
2100.	3.283	34.957	6.29	3.117	68.80	1.034	27.840	36.977	1498.4	2070.	42.84	0.720
2200.	3.203	34.964	6.30	3.028	68.65	1.076	27.854	36.996	1499.7	2168.	41.88	0.782
2300.	3.070	34.968	6.27	2.888	68.60	1.117	27.870	37.019	1500.8	2266.	40.49	0.868
2400.	2.944	34.970	6.25	2.755	68.40	1.157	27.884	37.040	1502.0	2364.	39.22	0.837
2500.	2.812	34.970	6.26	2.616	68.07	1.196	27.896	37.060	1503.1	2462.	37.99	0.823
2600.	2.728	34.971	6.29	2.523	67.39	1.233	27.905	37.074	1504.5	2560.	37.34	0.689
2700.	2.701	34.975	6.32	2.487	65.55	1.271	27.911	37.082	1506.1	2658.	37.23	0.534

DISCOVERY 174 STATION 11757

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH	SVANOM M10 ⁻⁸ M ³ /KG	BVFREQ C.P.H.
10.	8.795	35.064	6.80	8.794	45.89	0.009	27.202	36.064	1485.7	10.	85.86	-999.000
20.	8.796	35.064	6.81	8.794	45.90	0.017	27.202	36.064	1485.8	20.	86.07	0.098
30.	8.330	35.084	6.90	8.327	57.17	0.025	27.290	36.172	1484.3	30.	77.87	5.293
50.	8.066	35.088	6.62	8.061	62.82	0.041	27.334	36.228	1483.6	50.	74.13	2.628
75.	8.034	35.099	6.46	8.027	65.20	0.059	27.348	36.244	1484.0	74.	73.25	1.352
100.	7.971	35.094	6.38	7.961	65.89	0.077	27.354	36.252	1484.1	99.	73.18	0.864
125.	7.848	35.085	6.29	7.835	66.50	0.096	27.365	36.270	1484.1	124.	72.56	1.216
150.	7.664	35.072	6.28	7.650	67.16	0.114	27.382	36.295	1483.8	149.	71.36	1.497
200.	7.411	35.046	6.25	7.392	67.36	0.149	27.400	36.325	1483.6	198.	70.53	1.082
250.	7.326	35.054	6.27	7.302	67.57	0.184	27.419	36.348	1484.1	248.	69.60	1.107
300.	7.280	35.065	6.19	7.251	68.05	0.219	27.435	36.366	1484.7	297.	68.96	1.014
400.	7.148	35.097	6.16	7.109	68.39	0.286	27.480	36.418	1485.9	396.	66.33	1.214
500.	6.530	35.057	5.65	6.484	68.42	0.351	27.535	36.502	1485.1	495.	62.26	1.388
600.	5.785	35.015	5.46	5.733	68.38	0.410	27.599	36.603	1483.8	594.	56.76	1.536
700.	5.210	34.990	5.50	5.152	68.45	0.465	27.649	36.682	1483.1	692.	52.49	1.377
800.	4.674	34.958	5.72	4.610	68.63	0.516	27.687	36.747	1482.5	791.	49.23	1.230
900.	4.319	34.938	5.95	4.249	68.70	0.564	27.710	36.789	1482.7	890.	47.40	0.939
1000.	4.113	34.925	6.12	4.035	68.62	0.611	27.723	36.813	1483.4	988.	46.78	0.756
1100.	3.940	34.915	6.23	3.856	68.68	0.658	27.734	36.833	1484.4	1087.	46.35	0.700
1200.	3.804	34.907	6.35	3.713	68.77	0.704	27.742	36.849	1485.5	1185.	46.15	0.634
1300.	3.693	34.903	6.39	3.594	68.82	0.750	27.750	36.864	1486.6	1284.	45.95	0.624
1400.	3.638	34.902	6.43	3.531	68.68	0.796	27.756	36.873	1488.1	1382.	46.10	0.515
1500.	3.585	34.902	6.44	3.470	68.84	0.842	27.762	36.882	1489.5	1481.	46.30	0.495
1600.	3.557	34.911	6.41	3.433	68.85	0.888	27.773	36.894	1491.1	1579.	46.07	0.621
1700.	3.556	34.920	6.38	3.423	68.84	0.934	27.781	36.903	1492.8	1677.	46.18	0.521
1800.	3.651	34.956	6.33	3.508	68.66	0.980	27.801	36.918	1494.9	1776.	45.61	0.710
1900.	3.488	34.946	6.32	3.337	68.78	1.026	27.810	36.936	1495.9	1874.	44.89	0.744
2000.	3.382	34.961	6.32	3.224	68.71	1.070	27.833	36.965	1497.1	1972.	43.12	0.950
2100.	3.231	34.969	6.33	3.066	68.55	1.112	27.855	36.995	1498.2	2070.	41.22	0.967
2200.	3.008	34.968	6.29	2.836	68.61	1.152	27.875	37.027	1498.9	2168.	38.92	1.029
2300.	2.871	34.970	6.31	2.693	68.38	1.190	27.890	37.049	1500.0	2266.	37.54	0.857
2400.	2.746	34.971	6.33	2.560	67.91	1.227	27.902	37.069	1501.2	2364.	36.38	0.805
2500.	2.661	34.973	6.36	2.467	64.90	1.263	27.912	37.084	1502.5	2462.	35.63	0.709

DISCOVERY 174 STATION 11758

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH	SVANOM M10 ⁻⁸ M ³ /KG	BVFREQ C.P.H.
10.	8.647	35.015	6.58	8.646	42.43	0.009	27.187	36.056	1485.1	10.	87.30	-999.000
20.	8.604	35.051	6.62	8.602	43.74	0.017	27.221	36.092	1485.1	20.	84.21	3.318
30.	8.530	35.065	6.59	8.527	49.76	0.026	27.245	36.118	1485.0	30.	82.22	2.704
50.	8.150	35.065	6.40	8.145	59.49	0.042	27.303	36.193	1483.9	50.	77.06	3.047
75.	8.027	35.062	6.33	8.020	62.21	0.061	27.320	36.216	1483.9	74.	75.90	1.482
100.	7.827	35.059	6.24	7.817	64.85	0.079	27.348	36.253	1483.5	99.	73.74	1.880
125.	7.445	35.022	6.05	7.433	67.05	0.098	27.375	36.298	1482.4	124.	71.54	1.888
150.	7.354	35.022	6.10	7.339	67.18	0.115	27.389	36.316	1482.5	149.	70.66	1.336
200.	7.041	34.998	5.95	7.022	67.81	0.150	27.415	36.357	1482.1	198.	68.97	1.311
250.	7.009	35.026	5.90	6.986	67.76	0.184	27.442	36.386	1482.8	248.	67.23	1.320
300.	6.970	35.048	5.62	6.941	68.00	0.218	27.465	36.411	1483.5	297.	65.87	1.221
400.	6.918	35.099	6.16	6.880	68.14	0.282	27.514	36.462	1485.0	396.	62.96	1.244
500.	6.169	35.043	5.53	6.124	68.22	0.343	27.571	36.556	1483.7	495.	58.39	1.440
600.	5.508	35.001	5.41	5.457	68.11	0.399	27.622	36.639	1482.6	594.	54.21	1.376
700.	4.975	34.979	5.55	4.918	68.43	0.451	27.669	36.713	1482.1	692.	50.28	1.328
800.	4.519	34.949	5.77	4.456	68.52	0.500	27.697	36.765	1481.9	791.	47.99	1.082
900.	4.219	34.931	5.97	4.149	68.55	0.548	27.716	36.800	1482.2	890.	46.66	0.907
1000.	4.004	34.918	6.13	3.927	68.58	0.594	27.729	36.825	1483.0	988.	45.96	0.766
1100.	3.852	34.909	6.25	3.769	68.58	0.640	27.738	36.842	1484.0	1087.	45.74	0.643
1200.	3.729	34.902	6.32	3.638	68.60	0.685	27.745	36.856	1485.1	1185.	45.58	0.614
1300.	3.646	34.900	6.36	3.548	68.58	0.731	27.753	36.869	1486.4	1284.	45.54	0.577
1400.	3.617	34.903	6.40	3.510	68.63	0.777	27.759	36.877	1488.0	1382.	45.77	0.485
1500.	3.538	34.902	6.42	3.423	68.60	0.822	27.767	36.889	1489.3	1481.	45.63	0.597
1600.	3.547	34.918	6.36	3.423	68.69	0.868	27.780	36.902	1491.0	1579.	45.39	0.622
1700.	3.537	34.929	6.33	3.404	68.70	0.913	27.791	36.913	1492.7	1677.	45.21	0.606
1800.	3.517	34.948	6.30	3.375	68.68	0.958	27.808	36.932	1494.3	1776.	44.40	0.763
1900.	3.431	34.956	6.29	3.281	68.61	1.002	27.824	36.953	1495.6	1874.	43.40	0.802
2000.	3.260	34.962	6.27	3.103	68.54	1.044	27.845	36.984	1496.6	1972.	41.40	0.985
2100.	3.157	34.978	6.29	2.992	67.94	1.085	27.868	37.012	1497.9	2070.	39.57	0.952
2200.	2.899	34.977	6.30	2.730	67.10	1.123	27.892	37.050	1498.4	2168.	36.78	1.104
2300.	2.712	34.976	6.31	2.536	64.66	1.159	27.907	37.076	1499.3	2266.	34.99	0.929

DISCOVERY 174 STATION 11759

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH	SVANOM M10 ⁻⁶ M ³ /KG	BVFREQ C.P.H.
10.	9.045	35.100	6.62	9.044	38.81	0.009	27.189	36.040	1486.6	10.	87.04	999.000
20.	8.915	35.096	6.71	8.913	38.09	0.017	27.208	36.064	1486.3	20.	85.49	2.427
30.	8.897	35.098	6.74	8.893	39.80	0.026	27.213	36.069	1486.4	30.	85.28	1.184
50.	8.532	35.089	6.64	8.527	56.19	0.042	27.263	36.137	1485.4	50.	80.84	2.847
75.	8.480	35.129	6.39	8.472	63.91	0.062	27.303	36.178	1485.7	74.	77.56	2.250
100.	8.283	35.111	6.33	8.273	65.10	0.082	27.320	36.204	1485.3	99.	76.51	1.445
125.	7.947	35.069	6.33	7.935	65.10	0.100	27.338	36.238	1484.4	124.	75.15	1.573
150.	7.884	35.075	6.34	7.869	65.74	0.119	27.353	36.255	1484.6	149.	74.25	1.356
200.	7.536	35.035	6.30	7.517	66.99	0.156	27.373	36.292	1484.0	198.	73.13	1.174
250.	7.306	35.012	6.25	7.282	67.39	0.192	27.389	36.319	1484.0	248.	72.42	1.040
300.	7.256	35.027	6.20	7.227	67.91	0.228	27.408	36.341	1484.6	297.	71.46	1.113
400.	7.075	35.063	6.07	7.037	68.26	0.298	27.464	36.405	1485.6	396.	67.81	1.345
500.	7.010	35.095	6.04	6.962	68.39	0.365	27.500	36.444	1487.0	495.	66.11	1.072
600.	6.572	35.060	5.70	6.516	68.28	0.430	27.533	36.498	1486.9	594.	64.10	1.112
700.	5.752	35.003	5.38	5.691	68.48	0.491	27.595	36.601	1485.3	692.	58.53	1.543
800.	5.225	34.992	5.56	5.158	68.61	0.547	27.651	36.683	1484.8	791.	53.67	1.447
900.	4.726	34.961	5.71	4.653	68.67	0.600	27.685	36.743	1484.4	890.	50.71	1.190
1000.	4.333	34.938	5.95	4.255	68.68	0.649	27.710	36.789	1484.4	988.	48.54	1.057
1100.	4.130	34.934	6.15	4.044	68.76	0.697	27.729	36.819	1485.2	1087.	47.29	0.884
1200.	3.929	34.918	6.28	3.836	68.72	0.744	27.738	36.838	1486.0	1185.	46.89	0.694
1300.	3.744	34.905	6.39	3.644	68.85	0.791	27.747	36.858	1486.9	1284.	46.39	0.706
1400.	3.660	34.902	6.39	3.553	68.85	0.837	27.754	36.870	1488.2	1382.	46.37	0.570
1500.	3.623	34.909	6.41	3.507	68.82	0.884	27.764	36.882	1489.7	1481.	46.25	0.596
1600.	3.604	34.929	6.39	3.480	68.82	0.929	27.782	36.901	1491.3	1579.	45.36	0.784
1700.	3.627	34.956	6.34	3.493	68.64	0.974	27.803	36.921	1493.1	1677.	44.45	0.788
1800.	3.514	34.968	6.33	3.373	68.52	1.018	27.824	36.948	1494.3	1776.	42.88	0.919
1900.	3.347	34.975	6.33	3.198	68.35	1.060	27.847	36.980	1495.3	1874.	40.91	0.984
2000.	3.086	34.978	6.35	2.932	68.08	1.099	27.874	37.021	1495.9	1972.	37.90	1.143
2100.	2.784	34.980	6.41	2.625	66.41	1.135	27.903	37.066	1496.3	2070.	34.46	1.197

DISCOVERY 174 STATION 11760

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH	SVANOM M10 ⁻⁶ M ³ /KG	BVFREQ C.P.H.
10.	8.430	35.030	6.83	8.428	41.33	0.008	27.232	36.111	1484.3	10.	82.97	999.000
20.	8.239	35.036	7.00	8.237	44.08	0.016	27.267	36.154	1483.7	20.	79.89	3.305
30.	8.105	35.036	7.01	8.102	44.92	0.024	27.287	36.180	1483.4	30.	78.18	2.528
50.	7.441	35.021	6.71	7.436	59.15	0.039	27.374	36.297	1481.2	50.	70.28	3.716
75.	7.328	35.032	6.52	7.321	63.48	0.057	27.399	36.327	1481.2	74.	68.34	1.786
100.	7.229	35.028	6.46	7.220	66.32	0.074	27.410	36.343	1481.2	99.	67.72	1.193
125.	7.176	35.030	6.37	7.164	67.10	0.090	27.419	36.355	1481.4	124.	67.25	1.105
150.	7.120	35.031	6.32	7.106	67.51	0.107	27.429	36.367	1481.6	149.	66.76	1.113
200.	6.981	35.034	6.24	6.962	67.99	0.140	27.451	36.396	1481.9	198.	65.46	1.206
250.	6.975	35.053	6.14	6.951	68.28	0.173	27.468	36.413	1482.7	248.	64.77	1.020
300.	6.944	35.067	6.08	6.916	68.54	0.205	27.484	36.431	1483.4	297.	64.09	1.012
400.	6.799	35.075	5.93	6.761	68.74	0.269	27.511	36.465	1484.5	396.	63.12	0.945
500.	6.342	35.038	5.62	6.297	68.80	0.331	27.545	36.521	1484.4	495.	61.09	1.108
600.	6.017	35.039	5.46	5.964	68.79	0.390	27.588	36.580	1484.7	594.	58.11	1.231
700.	5.314	35.000	5.50	5.255	68.79	0.446	27.646	36.673	1483.5	692.	53.02	1.477
800.	4.751	34.965	5.72	4.687	68.88	0.497	27.684	36.740	1482.8	791.	49.66	1.247
900.	4.407	34.944	5.86	4.336	68.89	0.546	27.706	36.781	1483.0	890.	47.98	0.978
1000.	4.213	34.935	6.02	4.135	68.86	0.594	27.720	36.805	1483.9	988.	47.30	0.772
1100.	4.029	34.926	6.14	3.944	68.85	0.641	27.733	36.828	1484.8	1087.	46.62	0.765
1200.	3.885	34.918	6.24	3.793	68.84	0.687	27.743	36.845	1485.8	1185.	46.32	0.664
1300.	3.839	34.926	6.28	3.739	68.79	0.733	27.755	36.860	1487.3	1284.	46.04	0.653
1400.	3.743	34.927	6.33	3.635	68.77	0.779	27.765	36.876	1488.6	1382.	45.64	0.679
1500.	3.704	34.940	6.32	3.587	68.72	0.824	27.780	36.894	1490.1	1481.	45.03	0.727
1600.	3.613	34.951	6.30	3.489	68.72	0.869	27.799	36.917	1491.4	1579.	43.86	0.844
1700.	3.506	34.965	6.30	3.374	68.58	0.912	27.822	36.945	1492.6	1677.	42.23	0.929
1800.	3.409	34.969	6.27	3.269	68.50	0.954	27.835	36.964	1493.9	1776.	41.46	0.751
1900.	3.213	34.975	6.32	3.066	67.94	0.994	27.859	36.999	1494.7	1874.	39.14	1.037
2000.	3.149	34.978	6.30	2.994	67.43	1.033	27.868	37.012	1496.1	1972.	38.77	0.639

DISCOVERY 174 STATION 11761

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M	SVANOM M10 ⁻⁵ M ³ /KG	BVFREQ C.P.H.
10.	8.226	35.008	6.81	8.225	44.10	0.008	27.246	36.134	1483.5	10.	81.65	999.000
20.	8.200	35.015	7.01	8.198	43.63	0.016	27.256	36.145	1483.6	20.	80.92	1.761
30.	7.943	35.044	7.03	7.941	42.85	0.024	27.318	36.218	1482.8	30.	75.25	4.425
50.	7.551	35.041	6.76	7.546	60.35	0.039	27.374	36.292	1481.6	50.	70.27	2.990
75.	7.388	35.032	6.57	7.380	65.51	0.056	27.391	36.316	1481.4	74.	69.14	1.458
100.	7.262	35.028	6.51	7.253	66.72	0.073	27.406	36.338	1481.3	99.	68.11	1.406
125.	7.144	35.024	6.44	7.132	67.46	0.090	27.419	36.357	1481.3	124.	67.24	1.322
150.	7.136	35.037	6.33	7.122	67.87	0.107	27.431	36.369	1481.7	149.	66.58	1.214
200.	7.201	35.076	6.32	7.181	67.07	0.140	27.453	36.388	1482.8	198.	65.39	1.179
250.	7.032	35.072	6.29	7.008	68.41	0.172	27.474	36.417	1483.0	248.	64.20	1.174
300.	7.012	35.084	6.30	6.983	68.51	0.204	27.488	36.431	1483.7	297.	63.77	0.934
400.	6.963	35.099	6.31	6.925	68.69	0.268	27.508	36.453	1485.2	396.	63.59	0.799
500.	6.779	35.092	6.11	6.732	68.68	0.331	27.528	36.483	1486.1	495.	63.12	0.851
600.	6.331	35.057	5.70	6.277	68.71	0.393	27.562	36.539	1486.0	594.	60.98	1.124
700.	5.649	35.002	5.47	5.589	68.82	0.452	27.606	36.617	1484.9	692.	57.28	1.320
800.	5.233	34.990	5.51	5.166	68.86	0.508	27.648	36.680	1484.8	791.	53.92	1.260
900.	4.860	34.993	5.82	4.786	68.75	0.560	27.695	36.746	1485.0	890.	50.04	1.316
1000.	4.499	34.982	6.01	4.419	68.58	0.609	27.727	36.796	1485.1	988.	47.39	1.136
1100.	4.030	34.947	6.17	3.945	68.61	0.655	27.750	36.844	1484.8	1087.	45.09	1.069
1200.	3.922	34.956	6.19	3.829	68.39	0.700	27.769	36.869	1486.0	1185.	44.02	0.839
1300.	3.870	34.959	6.24	3.769	68.14	0.744	27.778	36.881	1487.5	1284.	43.98	0.589
1400.	3.856	34.959	6.23	3.747	68.10	0.788	27.780	36.884	1489.1	1382.	44.73	0.284
1500.	3.865	34.961	6.26	3.746	67.95	0.833	27.782	36.886	1490.8	1481.	45.52	0.261

DISCOVERY 174 STATION 11762

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M	SVANOM M10 ⁻⁵ M ³ /KG	BVFREQ C.P.H.
10.	8.159	35.017	6.88	8.158	38.09	0.008	27.264	36.154	1483.3	10.	79.97	999.000
20.	8.115	35.031	6.94	8.113	41.26	0.016	27.282	36.174	1483.3	20.	78.48	2.373
30.	8.058	35.040	6.89	8.055	49.72	0.024	27.298	36.192	1483.2	30.	77.17	2.245
50.	7.754	35.048	6.81	7.749	52.31	0.039	27.349	36.258	1482.4	50.	72.65	2.861
75.	7.425	35.042	6.53	7.418	63.01	0.056	27.393	36.317	1481.6	74.	68.92	2.367
100.	7.267	35.043	6.45	7.258	66.31	0.073	27.417	36.348	1481.4	99.	67.07	1.754
125.	7.168	35.044	6.41	7.156	67.05	0.090	27.432	36.368	1481.4	124.	66.06	1.393
150.	7.106	35.047	6.32	7.092	67.73	0.106	27.443	36.382	1481.6	149.	65.42	1.201
200.	7.035	35.059	6.20	7.016	68.24	0.139	27.463	36.405	1482.1	198.	64.38	1.131
250.	7.031	35.071	6.19	7.007	68.48	0.171	27.474	36.416	1483.0	248.	64.25	0.819
300.	6.992	35.076	6.13	6.964	68.55	0.203	27.484	36.428	1483.6	297.	64.12	0.815
400.	6.891	35.085	6.06	6.853	68.71	0.267	27.507	36.456	1484.9	396.	63.63	0.861
500.	6.615	35.072	5.83	6.569	68.73	0.330	27.535	36.498	1485.5	495.	62.30	1.002
600.	6.217	35.049	5.53	6.163	68.78	0.391	27.571	36.553	1485.5	594.	60.03	1.137
700.	5.645	35.028	5.51	5.585	68.76	0.449	27.627	36.638	1484.9	692.	55.30	1.443
800.	5.192	35.019	5.73	5.125	68.72	0.502	27.676	36.709	1484.7	791.	51.30	1.342
900.	4.513	34.971	5.94	4.441	68.78	0.551	27.716	36.785	1483.5	890.	47.30	1.326
1000.	4.135	34.946	6.13	4.058	68.82	0.598	27.737	36.826	1483.6	988.	45.53	0.982
1100.	3.976	34.954	6.23	3.891	68.58	0.643	27.761	36.858	1484.6	1087.	43.88	0.952
1200.	3.946	34.957	6.23	3.852	68.49	0.687	27.767	36.866	1486.1	1185.	44.22	0.476
1300.	3.937	34.964	6.15	3.835	68.28	0.731	27.775	36.875	1487.7	1284.	44.45	0.513

DISCOVERY 174 STATION 11763

PRES	TEMP	SALIN	OXYGEN	POTEMP	TRAN	DYNHT	SIGP0	SIGP2	SNDVEL	DEPTH	SVANOM	BVFREQ
DB	DEGC	PSU	ML/L	DEGC	PC/M	DYN.M.	KG/M ³	KG/M ³	M/S	M10 ⁻³ M ³ /KG	C.P.H.	
10.	8.325	34.902	6.68	8.324	43.31	0.009	27.148	36.033	1483.7	10.	90.98	999.000
20.	8.254	34.899	6.71	8.252	42.47	0.018	27.157	36.045	1483.6	20.	90.32	1.684
30.	8.228	34.927	6.82	8.225	41.98	0.027	27.183	36.072	1483.7	30.	88.03	2.885
50.	8.013	34.946	6.75	8.008	50.49	0.044	27.231	36.129	1483.3	50.	83.87	2.753
75.	6.703	34.875	6.71	6.696	62.85	0.064	27.362	36.322	1478.6	74.	71.68	4.108
100.	5.997	34.825	6.52	5.988	65.78	0.081	27.416	36.410	1476.1	99.	66.85	2.641
125.	5.395	34.786	6.55	5.385	66.87	0.097	27.460	36.485	1474.1	124.	62.85	2.411
150.	4.996	34.768	6.55	4.985	67.48	0.113	27.493	36.538	1472.9	149.	59.94	2.080
200.	5.213	34.846	6.23	5.197	67.88	0.142	27.530	36.563	1474.7	198.	57.18	1.506
250.	5.086	34.874	5.93	5.066	68.10	0.170	27.568	36.606	1475.0	248.	54.21	1.555
300.	4.364	34.821	6.19	4.342	68.13	0.196	27.607	36.683	1472.8	297.	50.57	1.683
400.	4.367	34.900	5.83	4.337	68.28	0.244	27.671	36.746	1474.6	396.	45.70	1.415
500.	3.967	34.881	6.16	3.931	68.35	0.289	27.699	36.795	1474.5	495.	43.66	1.022
600.	3.881	34.890	6.25	3.837	68.43	0.332	27.716	36.817	1475.8	594.	42.93	0.761
700.	3.751	34.891	6.34	3.700	68.45	0.375	27.731	36.839	1476.9	693.	42.32	0.731
800.	3.660	34.893	6.43	3.602	68.59	0.417	27.742	36.855	1478.2	791.	42.04	0.645
900.	3.573	34.891	6.48	3.508	68.66	0.459	27.750	36.868	1479.5	890.	42.04	0.560
1000.	3.484	34.890	6.53	3.411	68.66	0.501	27.758	36.881	1480.8	989.	41.90	0.592
1100.	3.353	34.881	6.60	3.273	68.68	0.543	27.764	36.895	1481.9	1087.	41.84	0.565
1200.	3.361	34.890	6.60	3.274	68.75	0.585	27.772	36.902	1483.6	1186.	42.03	0.476
1300.	3.418	34.914	6.48	3.321	68.77	0.626	27.787	36.914	1485.5	1285.	41.69	0.639
1400.	3.377	34.920	6.44	3.272	68.75	0.668	27.796	36.925	1487.0	1383.	41.56	0.581
1500.	3.393	34.936	6.35	3.280	68.64	0.710	27.808	36.937	1488.8	1481.	41.34	0.609
1600.	3.321	34.936	6.34	3.199	68.68	0.751	27.816	36.949	1490.1	1580.	41.17	0.594
1700.	3.232	34.940	6.32	3.103	68.64	0.792	27.828	36.966	1491.4	1678.	40.49	0.719
1800.	3.172	34.943	6.31	3.034	68.68	0.832	27.837	36.979	1492.8	1776.	40.19	0.620
1900.	3.144	34.952	6.30	2.998	68.63	0.872	27.847	36.991	1494.4	1875.	39.93	0.604
2000.	3.128	34.961	6.30	2.973	68.48	0.912	27.857	37.002	1496.0	1973.	39.71	0.595
2100.	3.133	34.972	6.29	2.969	68.31	0.952	27.866	37.011	1497.8	2071.	39.66	0.540
2200.	3.066	34.974	6.30	2.893	68.22	0.991	27.874	37.024	1499.2	2169.	39.28	0.637
2300.	3.035	34.975	6.30	2.854	68.02	1.030	27.879	37.030	1500.7	2267.	39.48	0.451
2400.	3.017	34.975	6.29	2.826	68.03	1.070	27.882	37.034	1502.3	2365.	39.84	0.385
2500.	3.016	34.975	6.29	2.815	67.88	1.110	27.883	37.036	1504.0	2463.	40.47	0.230
2600.	3.009	34.975	6.28	2.799	67.75	1.151	27.884	37.038	1505.7	2561.	41.03	0.231

DISCOVERY 174 STATION 11764

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁸ M ³ /KG	SVANOM C.P.H.	BVFREQ C.P.H.
10.	7.930	34.829	6.81	7.929	43.99	0.009	27.151	36.054	1482.2	10.	90.69	999.000
20.	7.767	34.831	6.83	7.765	43.58	0.018	27.177	36.088	1481.7	20.	88.40	2.874
30.	7.591	34.831	6.83	7.588	51.81	0.027	27.202	36.121	1481.2	30.	86.16	2.845
50.	6.607	34.793	6.80	6.603	61.39	0.043	27.310	36.276	1477.7	50.	76.19	4.147
75.	5.926	34.769	6.63	5.920	65.23	0.061	27.381	36.379	1475.4	74.	69.81	3.005
100.	5.663	34.774	6.63	5.655	66.52	0.078	27.418	36.429	1474.7	99.	66.59	2.187
125.	5.426	34.801	6.60	5.416	67.40	0.094	27.469	36.491	1474.2	124.	62.08	2.547
150.	5.290	34.798	6.60	5.278	67.67	0.110	27.482	36.512	1474.1	149.	61.08	1.334
200.	5.231	34.814	6.49	5.215	67.98	0.140	27.503	36.535	1474.7	198.	59.78	1.145
250.	5.164	34.853	6.17	5.144	68.16	0.169	27.542	36.578	1475.3	248.	56.64	1.591
300.	4.688	34.836	6.12	4.665	68.23	0.196	27.584	36.643	1474.2	297.	53.01	1.688
400.	4.181	34.840	6.03	4.151	68.27	0.247	27.643	36.729	1473.7	396.	48.11	1.421
500.	4.335	34.909	5.81	4.297	68.52	0.294	27.682	36.759	1476.1	495.	45.71	1.080
600.	4.162	34.918	5.96	4.117	68.46	0.339	27.709	36.795	1477.0	594.	44.03	0.964
700.	3.959	34.909	6.13	3.907	68.48	0.383	27.724	36.821	1477.8	693.	43.32	0.765
800.	3.836	34.909	6.21	3.777	68.55	0.426	27.737	36.840	1479.0	791.	42.89	0.694
900.	3.725	34.905	6.30	3.659	68.70	0.468	27.746	36.855	1480.1	890.	42.76	0.609
1000.	3.634	34.903	6.32	3.560	68.73	0.511	27.754	36.869	1481.4	989.	42.65	0.596
1100.	3.546	34.904	6.39	3.465	68.76	0.554	27.764	36.884	1482.7	1087.	42.43	0.620
1200.	3.537	34.914	6.40	3.448	68.83	0.596	27.774	36.895	1484.3	1186.	42.34	0.582
1300.	3.510	34.922	6.35	3.413	68.73	0.638	27.784	36.906	1485.9	1285.	42.25	0.579
1400.	3.462	34.929	6.34	3.357	68.82	0.680	27.795	36.920	1487.4	1383.	41.93	0.643
1500.	3.445	34.941	6.31	3.331	68.77	0.722	27.807	36.933	1489.0	1481.	41.63	0.634
1600.	3.340	34.937	6.33	3.219	68.78	0.764	27.814	36.947	1490.2	1580.	41.36	0.623
1700.	3.295	34.937	6.33	3.165	68.67	0.805	27.820	36.955	1491.7	1678.	41.50	0.491
1800.	3.246	34.941	6.28	3.108	68.69	0.847	27.828	36.966	1493.2	1776.	41.34	0.587
1900.	3.201	34.944	6.30	3.054	68.70	0.888	27.835	36.976	1494.6	1875.	41.24	0.561
2000.	3.128	34.946	6.29	2.974	68.67	0.929	27.844	36.990	1496.0	1973.	40.83	0.647
2100.	3.094	34.952	6.31	2.930	68.62	0.970	27.853	37.000	1497.6	2071.	40.64	0.534
2200.	3.126	34.968	6.31	2.953	68.46	1.010	27.864	37.010	1499.4	2169.	40.58	0.542
2300.	3.056	34.967	6.31	2.874	68.38	1.051	27.871	37.021	1500.8	2267.	40.31	0.607
2400.	3.043	34.973	6.32	2.852	68.30	1.091	27.878	37.029	1502.4	2365.	40.36	0.505
2500.	3.015	34.974	6.30	2.815	68.19	1.132	27.881	37.034	1504.0	2463.	40.60	0.433
2600.	2.995	34.974	6.29	2.785	68.16	1.172	27.884	37.039	1505.6	2561.	40.94	0.392
2700.	2.985	34.974	6.29	2.765	68.09	1.213	27.886	37.042	1507.3	2659.	41.44	0.312
2800.	2.974	34.975	6.31	2.744	67.99	1.255	27.888	37.046	1508.9	2757.	41.82	0.371
2900.	2.969	34.975	6.30	2.729	67.95	1.297	27.890	37.048	1510.6	2855.	42.35	0.289
3000.	2.965	34.975	6.30	2.715	67.84	1.340	27.891	37.050	1512.3	2953.	42.94	0.255
3200.	2.965	34.974	6.29	2.694	67.76	1.427	27.892	37.052	1515.7	3148.	44.21	0.224
3400.	2.950	34.971	6.28	2.657	67.71	1.517	27.893	37.055	1519.0	3343.	45.36	0.263
3600.	2.716	34.944	6.34	2.407	67.75	1.607	27.893	37.069	1521.4	3538.	44.69	0.611

DISCOVERY 174 STATION 11768

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁵ M ³ /KG	SVANOM C.P.H.	BVFREQ C.P.H.
10.	8.124	34.858	6.63	8.123	40.19	0.009	27.144	36.039	1482.9	10.	91.29	999.000
20.	8.024	34.855	6.67	8.022	40.83	0.018	27.157	36.056	1482.7	20.	90.30	1.991
30.	7.526	34.860	6.71	7.523	52.11	0.027	27.235	36.156	1481.0	30.	83.08	4.969
50.	6.245	34.824	6.65	6.241	63.27	0.042	27.383	36.365	1476.3	50.	69.29	4.853
75.	5.800	34.804	6.49	5.794	66.07	0.059	27.424	36.428	1474.9	74.	65.66	2.312
100.	5.405	34.799	6.39	5.397	67.02	0.075	27.469	36.493	1473.7	99.	61.66	2.411
125.	5.016	34.783	6.39	5.006	67.43	0.090	27.503	36.546	1472.6	124.	58.72	2.087
150.	4.647	34.752	6.48	4.636	67.65	0.104	27.520	36.582	1471.4	149.	57.24	1.546
200.	4.498	34.772	6.40	4.484	68.04	0.132	27.553	36.623	1471.7	198.	54.66	1.451
250.	4.088	34.764	6.42	4.070	68.21	0.159	27.591	36.682	1470.8	248.	51.35	1.607
300.	4.063	34.816	6.15	4.042	68.36	0.184	27.635	36.727	1471.6	297.	47.68	1.673
400.	4.020	34.860	6.02	3.991	68.40	0.230	27.676	36.770	1473.1	396.	44.84	1.138
500.	3.968	34.893	6.07	3.931	68.59	0.274	27.709	36.805	1474.5	495.	42.74	1.023
600.	3.848	34.899	6.16	3.804	68.60	0.316	27.726	36.829	1475.7	594.	41.91	0.785
700.	3.731	34.894	6.27	3.681	68.58	0.358	27.735	36.844	1476.9	693.	41.91	0.572
800.	3.671	34.894	6.31	3.613	68.58	0.400	27.742	36.854	1478.2	791.	42.09	0.510
900.	3.597	34.890	6.34	3.532	68.58	0.442	27.746	36.863	1479.6	890.	42.42	0.451
1000.	3.519	34.885	6.37	3.447	68.70	0.485	27.751	36.872	1480.9	989.	42.69	0.468
1100.	3.472	34.885	6.41	3.392	68.66	0.528	27.756	36.880	1482.4	1087.	42.97	0.456
1200.	3.416	34.882	6.44	3.328	68.73	0.571	27.760	36.887	1483.8	1186.	43.29	0.435
1300.	3.398	34.884	6.43	3.302	68.75	0.614	27.764	36.893	1485.4	1285.	43.67	0.410
1400.	3.374	34.887	6.44	3.269	68.78	0.658	27.769	36.900	1486.9	1383.	43.97	0.437
1500.	3.379	34.896	6.40	3.266	68.80	0.702	27.777	36.908	1488.6	1481.	44.08	0.507
1600.	3.405	34.913	6.33	3.282	68.80	0.746	27.789	36.919	1490.4	1580.	43.94	0.584
1700.	3.394	34.922	6.31	3.263	68.80	0.790	27.798	36.928	1492.1	1678.	43.92	0.551
1800.	3.377	34.932	6.28	3.237	68.81	0.834	27.809	36.940	1493.7	1777.	43.70	0.607
1900.	3.333	34.937	6.27	3.185	68.79	0.877	27.818	36.952	1495.2	1875.	43.47	0.609
2000.	3.303	34.946	6.26	3.146	68.68	0.921	27.828	36.964	1496.8	1973.	43.18	0.622
2100.	3.275	34.951	6.28	3.108	68.80	0.964	27.836	36.974	1498.3	2071.	43.11	0.560
2200.	3.254	34.956	6.28	3.079	68.78	1.007	27.843	36.982	1499.9	2169.	43.19	0.508
2300.	3.187	34.958	6.30	3.003	68.62	1.050	27.851	36.995	1501.3	2267.	42.83	0.638
2400.	3.156	34.962	6.29	2.963	68.59	1.093	27.858	37.004	1502.9	2365.	42.76	0.551
2500.	3.139	34.966	6.31	2.936	68.50	1.136	27.864	37.011	1504.5	2463.	42.91	0.430
2600.	3.146	34.973	6.32	2.933	68.30	1.179	27.870	37.017	1506.2	2561.	43.15	0.443
2700.	3.116	34.973	6.32	2.894	68.28	1.222	27.873	37.022	1507.8	2659.	43.43	0.427
2800.	3.071	34.970	6.35	2.839	68.24	1.265	27.876	37.028	1509.3	2757.	43.61	0.463
2900.	2.998	34.964	6.34	2.758	68.27	1.309	27.879	37.035	1510.7	2855.	43.59	0.527
3000.	2.954	34.961	6.34	2.704	68.30	1.353	27.881	37.040	1512.2	2953.	43.76	0.456
3200.	2.866	34.956	6.35	2.597	68.20	1.441	27.886	37.051	1515.2	3148.	43.99	0.472
3400.	2.811	34.950	6.38	2.522	68.16	1.529	27.889	37.058	1518.4	3343.	44.65	0.382
3600.	2.692	34.937	6.43	2.383	67.93	1.619	27.890	37.067	1521.3	3538.	44.79	0.475
3800.	2.563	34.923	6.50	2.235	67.69	1.708	27.891	37.076	1524.2	3733.	44.72	0.506

DISCOVERY 174 STATION 11769

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁸ M ³ /KG	SVANOM C.P.H.	BVFREQ C.P.H.
10.	7.908	34.815	6.69	7.907	43.15	0.009	27.142	36.047	1482.1	10.	91.47	999.000
20.	7.590	34.814	6.84	7.588	47.25	0.018	27.189	36.109	1481.0	20.	87.21	3.848
30.	7.293	34.817	6.85	7.290	54.38	0.027	27.234	36.167	1480.0	30.	83.10	3.783
50.	6.451	34.795	6.72	6.446	63.64	0.042	27.333	36.306	1477.1	50.	74.02	3.963
75.	5.912	34.789	6.62	5.905	66.33	0.060	27.398	36.397	1475.4	74.	68.12	2.895
100.	5.676	34.803	6.62	5.668	67.15	0.077	27.439	36.450	1474.8	99.	64.57	2.285
125.	5.400	34.800	6.63	5.389	67.44	0.092	27.471	36.495	1474.1	124.	61.86	2.018
150.	5.372	34.814	6.59	5.360	67.76	0.108	27.485	36.510	1474.5	149.	60.83	1.353
200.	5.287	34.820	6.52	5.271	68.03	0.138	27.501	36.530	1474.9	198.	59.99	1.003
250.	5.158	34.832	6.37	5.139	68.25	0.168	27.526	36.562	1475.3	248.	58.21	1.275
300.	4.993	34.873	6.00	4.969	68.46	0.196	27.579	36.622	1475.5	297.	53.74	1.849
400.	4.230	34.838	6.03	4.201	68.42	0.247	27.636	36.719	1473.9	396.	48.83	1.426
500.	4.254	34.904	5.97	4.217	68.72	0.294	27.687	36.768	1475.7	495.	45.19	1.259
600.	4.103	34.916	6.06	4.058	68.59	0.338	27.713	36.802	1476.8	594.	43.54	0.954
700.	3.884	34.908	6.23	3.833	68.71	0.381	27.731	36.831	1477.5	693.	42.56	0.822
800.	3.719	34.897	6.36	3.661	68.50	0.424	27.739	36.849	1478.5	791.	42.39	0.620
900.	3.661	34.902	6.38	3.595	68.74	0.466	27.749	36.863	1479.9	890.	42.26	0.602
1000.	3.590	34.901	6.42	3.517	68.84	0.508	27.757	36.874	1481.2	989.	42.29	0.553
1100.	3.544	34.906	6.43	3.463	68.88	0.551	27.766	36.886	1482.7	1087.	42.25	0.567
1200.	3.513	34.916	6.41	3.424	68.92	0.593	27.778	36.900	1484.2	1186.	41.93	0.646
1300.	3.499	34.928	6.39	3.402	68.80	0.635	27.789	36.912	1485.9	1285.	41.69	0.621
1400.	3.443	34.933	6.37	3.338	68.91	0.676	27.800	36.926	1487.3	1383.	41.40	0.633
1500.	3.370	34.934	6.38	3.257	68.80	0.717	27.809	36.939	1488.7	1481.	41.17	0.611
1600.	3.339	34.937	6.33	3.217	68.89	0.759	27.815	36.947	1490.2	1580.	41.31	0.498
1700.	3.264	34.940	6.32	3.135	68.48	0.800	27.825	36.962	1491.6	1678.	40.89	0.658
1800.	3.237	34.944	6.31	3.099	68.75	0.841	27.831	36.970	1493.1	1776.	40.97	0.505
1900.	3.169	34.946	6.32	3.022	68.65	0.881	27.840	36.983	1494.5	1875.	40.64	0.629
2000.	3.133	34.951	6.32	2.978	68.79	0.922	27.848	36.993	1496.0	1973.	40.51	0.568
2100.	3.105	34.960	6.31	2.942	68.65	0.962	27.858	37.005	1497.6	2071.	40.20	0.617
2200.	3.110	34.973	6.30	2.937	68.31	1.002	27.870	37.016	1499.3	2169.	39.98	0.594
2300.	3.068	34.974	6.31	2.885	68.27	1.042	27.875	37.025	1500.8	2267.	39.97	0.527
2400.	3.031	34.973	6.30	2.840	68.28	1.082	27.879	37.031	1502.4	2365.	40.18	0.446
2500.	3.014	34.974	6.32	2.813	68.19	1.123	27.882	37.035	1504.0	2463.	40.55	0.382
2600.	2.996	34.974	6.32	2.786	68.16	1.164	27.884	37.039	1505.6	2561.	40.96	0.357
2700.	2.992	34.974	6.33	2.772	68.11	1.205	27.886	37.041	1507.3	2659.	41.49	0.293
2800.	2.992	34.975	6.32	2.762	68.02	1.247	27.887	37.043	1509.0	2757.	42.07	0.268
2900.	2.983	34.974	6.32	2.742	68.00	1.289	27.888	37.045	1510.6	2855.	42.61	0.289

DISCOVERY 174 STATION 11774

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁵ M ³ /KG	SVANOM C.P.H.	BVFREQ C.P.H.
10.	8.299	34.819	6.53	8.298	41.84	0.010	27.086	35.974	1483.5	10.	96.78	999.000
20.	8.096	34.823	6.57	8.094	42.37	0.019	27.121	36.017	1482.9	20.	93.70	3.307
30.	7.808	34.830	6.60	7.805	48.48	0.028	27.170	36.079	1482.0	30.	89.27	3.925
50.	6.942	34.805	6.55	6.937	60.57	0.045	27.274	36.224	1479.0	50.	79.63	4.084
75.	6.256	34.798	6.49	6.250	64.42	0.064	27.361	36.343	1476.7	74.	71.73	3.329
100.	5.891	34.788	6.43	5.883	66.16	0.082	27.400	36.400	1475.7	99.	68.33	2.245
125.	5.662	34.777	6.48	5.651	66.77	0.099	27.420	36.432	1475.2	124.	66.70	1.626
150.	5.460	34.802	6.47	5.447	67.25	0.115	27.465	36.486	1474.8	149.	62.74	2.401
200.	5.318	34.813	6.45	5.302	67.69	0.146	27.492	36.520	1475.1	198.	60.86	1.306
250.	5.050	34.803	6.39	5.030	68.04	0.176	27.516	36.557	1474.8	248.	59.09	1.271
300.	5.073	34.849	6.04	5.049	68.22	0.205	27.550	36.590	1475.7	297.	56.53	1.462
400.	4.709	34.896	5.73	4.678	68.30	0.258	27.630	36.688	1476.0	396.	49.89	1.623
500.	4.319	34.901	5.82	4.281	68.37	0.306	27.677	36.755	1476.0	495.	46.13	1.283
600.	4.112	34.905	5.99	4.067	68.37	0.351	27.704	36.792	1476.8	594.	44.45	0.961
700.	3.925	34.898	6.14	3.873	68.40	0.395	27.719	36.818	1477.7	693.	43.75	0.762
800.	3.855	34.904	6.18	3.796	68.44	0.439	27.731	36.834	1479.0	791.	43.41	0.670
900.	3.724	34.898	6.29	3.658	68.68	0.482	27.740	36.850	1480.1	890.	43.26	0.617
1000.	3.655	34.901	6.32	3.582	68.70	0.525	27.750	36.864	1481.5	989.	43.09	0.611
1100.	3.594	34.903	6.35	3.513	68.72	0.568	27.759	36.876	1482.9	1087.	43.06	0.569
1200.	3.544	34.907	6.37	3.455	68.75	0.611	27.768	36.888	1484.4	1186.	42.95	0.587
1300.	3.538	34.920	6.33	3.440	68.80	0.654	27.779	36.900	1486.0	1285.	42.74	0.615
1400.	3.510	34.929	6.32	3.404	68.83	0.697	27.790	36.913	1487.6	1383.	42.50	0.623
1500.	3.468	34.941	6.30	3.353	68.73	0.739	27.805	36.930	1489.1	1481.	41.88	0.717
1600.	3.428	34.948	6.28	3.305	68.78	0.781	27.815	36.942	1490.6	1580.	41.68	0.609
1700.	3.385	34.953	6.29	3.254	68.73	0.822	27.824	36.954	1492.1	1678.	41.52	0.592
1800.	3.193	34.937	6.30	3.055	68.87	0.864	27.830	36.971	1492.9	1776.	40.90	0.736
1900.	3.276	34.962	6.29	3.128	68.69	0.904	27.843	36.980	1495.0	1875.	40.92	0.527
2000.	3.230	34.965	6.28	3.074	68.67	0.945	27.850	36.990	1496.5	1973.	40.81	0.572
2100.	3.136	34.958	6.30	2.972	68.66	0.986	27.854	37.000	1497.7	2071.	40.72	0.557
2200.	3.115	34.969	6.29	2.942	68.41	1.027	27.866	37.012	1499.4	2169.	40.34	0.638
2300.	3.053	34.968	6.30	2.871	68.40	1.067	27.872	37.022	1500.8	2267.	40.22	0.551
2400.	3.027	34.970	6.31	2.836	68.32	1.107	27.876	37.029	1502.4	2365.	40.38	0.468
2500.	2.963	34.966	6.31	2.763	68.34	1.148	27.879	37.035	1503.8	2463.	40.43	0.498
2600.	2.954	34.969	6.30	2.744	68.23	1.188	27.883	37.041	1505.4	2561.	40.71	0.413
2700.	2.950	34.969	6.30	2.731	68.22	1.229	27.885	37.043	1507.1	2659.	41.23	0.296
2800.	2.952	34.971	6.29	2.723	68.10	1.271	27.887	37.045	1508.8	2757.	41.79	0.270
2900.	2.929	34.969	6.29	2.689	68.05	1.313	27.889	37.049	1510.4	2855.	42.16	0.371
3000.	2.888	34.967	6.30	2.639	67.98	1.355	27.891	37.054	1511.9	2953.	42.34	0.447

DISCOVERY 174 STATION 11775

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEP'TH	SVANOM M10 ⁻⁸ M ³ /KG	BVFREQ C.P.H.
10.	9.477	35.040	6.74	9.476	44.00	0.010	27.072	35.904	1488.1	10.	98.19	999.000
20.	9.360	35.032	6.79	9.358	43.07	0.020	27.086	35.923	1487.9	20.	97.12	2.081
30.	8.979	35.026	6.81	8.975	44.86	0.029	27.143	35.997	1486.6	30.	91.89	4.262
50.	8.600	35.042	6.68	8.595	59.91	0.047	27.216	36.087	1485.6	50.	85.34	3.408
75.	7.865	35.027	6.53	7.858	65.52	0.067	27.316	36.220	1483.2	74.	76.24	3.579
100.	6.697	34.900	6.55	6.688	67.33	0.085	27.384	36.343	1479.0	99.	70.08	2.969
125.	5.889	34.850	6.41	5.878	67.95	0.102	27.450	36.449	1476.2	124.	64.00	2.941
150.	5.290	34.809	6.43	5.278	68.00	0.118	27.492	36.521	1474.1	149.	60.19	2.357
200.	5.002	34.799	6.28	4.986	68.20	0.147	27.517	36.561	1473.8	198.	58.26	1.310
250.	4.713	34.808	6.20	4.694	68.37	0.175	27.558	36.616	1473.4	248.	54.89	1.632
300.	4.481	34.835	5.98	4.458	68.29	0.202	27.606	36.676	1473.3	297.	50.77	1.773
400.	4.064	34.856	6.12	4.035	68.33	0.250	27.668	36.759	1473.3	396.	45.68	1.439
500.	3.924	34.868	6.23	3.888	68.39	0.295	27.693	36.791	1474.3	495.	44.19	0.916
600.	3.809	34.876	6.34	3.766	68.53	0.339	27.712	36.816	1475.5	594.	43.23	0.809
700.	3.751	34.880	6.40	3.701	68.52	0.382	27.722	36.830	1476.9	693.	43.16	0.591
800.	3.648	34.879	6.45	3.590	68.48	0.425	27.732	36.846	1478.1	791.	42.94	0.627
900.	3.528	34.873	6.53	3.463	68.73	0.468	27.740	36.860	1479.3	890.	42.86	0.582
1000.	3.420	34.865	6.61	3.348	68.81	0.511	27.744	36.871	1480.5	989.	43.04	0.488
1100.	3.411	34.869	6.60	3.331	68.77	0.554	27.750	36.877	1482.1	1087.	43.39	0.425
1200.	3.368	34.866	6.63	3.281	68.81	0.598	27.752	36.882	1483.6	1186.	43.87	0.360
1300.	3.356	34.870	6.63	3.260	68.78	0.642	27.757	36.888	1485.2	1285.	44.20	0.427
1400.	3.356	34.874	6.60	3.252	68.77	0.686	27.761	36.893	1486.9	1383.	44.64	0.374
1500.	3.379	34.884	6.58	3.266	68.80	0.731	27.768	36.899	1488.6	1482.	44.97	0.427
1600.	3.424	34.901	6.49	3.302	68.81	0.776	27.778	36.906	1490.5	1580.	45.07	0.511
1700.	3.440	34.915	6.44	3.309	68.79	0.821	27.788	36.916	1492.3	1678.	45.00	0.566
1800.	3.422	34.921	6.40	3.281	68.72	0.866	27.796	36.925	1493.9	1777.	45.09	0.518
1900.	3.382	34.927	6.37	3.233	68.72	0.911	27.805	36.937	1495.4	1875.	44.85	0.615
2000.	3.348	34.931	6.37	3.190	68.72	0.956	27.812	36.946	1496.9	1973.	44.90	0.526
2100.	3.284	34.933	6.32	3.117	68.69	1.001	27.821	36.958	1498.3	2071.	44.58	0.629
2200.	3.254	34.936	6.30	3.079	68.68	1.045	27.827	36.966	1499.9	2169.	44.66	0.509
2300.	3.208	34.939	6.29	3.024	68.64	1.090	27.835	36.977	1501.4	2267.	44.46	0.595
2400.	3.151	34.940	6.30	2.958	68.63	1.134	27.841	36.987	1502.8	2365.	44.29	0.580
2500.	3.100	34.943	6.30	2.898	68.60	1.178	27.849	36.998	1504.3	2463.	44.03	0.604
2600.	3.055	34.944	6.33	2.844	68.56	1.222	27.855	37.007	1505.8	2561.	43.92	0.557
2700.	2.985	34.942	6.33	2.765	68.39	1.266	27.860	37.017	1507.2	2659.	43.73	0.580
2800.	2.951	34.945	6.34	2.721	68.55	1.310	27.867	37.026	1508.8	2757.	43.58	0.560
2900.	2.896	34.947	6.34	2.658	68.52	1.353	27.874	37.036	1510.2	2855.	43.31	0.597
3000.	2.869	34.949	6.34	2.621	68.36	1.397	27.879	37.043	1511.8	2953.	43.31	0.511
3200.	2.771	34.943	6.34	2.504	68.35	1.483	27.884	37.054	1514.8	3148.	43.44	0.481
3400.	2.702	34.939	6.35	2.415	68.04	1.570	27.889	37.064	1517.9	3343.	43.72	0.449

DISCOVERY 174 STATION 11778

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁸ M ³ /KG	SVANOM C.P.H.	BVFREQ C.P.H.
10.	10.187	35.060	6.34	10.185	35.85	0.011	26.967	35.769	1490.7	10.	108.13	999.000
20.	9.923	35.086	6.41	9.920	37.13	0.021	27.033	35.846	1490.0	20.	102.10	4.568
30.	9.708	35.092	6.34	9.705	43.26	0.031	27.074	35.896	1489.4	30.	98.41	3.616
50.	9.101	35.158	6.16	9.095	65.00	0.050	27.227	36.074	1487.6	50.	84.38	4.914
75.	8.126	35.068	6.04	8.118	66.79	0.070	27.310	36.201	1484.3	74.	76.90	3.266
100.	7.606	35.024	5.79	7.596	67.82	0.089	27.353	36.269	1482.6	99.	73.16	2.374
125.	7.239	34.990	5.74	7.227	68.12	0.107	27.379	36.313	1481.6	124.	71.05	1.853
150.	6.536	34.903	5.71	6.522	67.97	0.124	27.408	36.376	1479.2	149.	68.54	1.978
200.	5.872	34.868	5.82	5.855	68.00	0.157	27.467	36.467	1477.3	198.	63.44	1.981
250.	5.075	34.806	6.03	5.055	68.26	0.188	27.515	36.556	1474.9	248.	59.12	1.828
300.	4.961	34.847	5.62	4.938	68.39	0.216	27.561	36.607	1475.3	297.	55.35	1.716
400.	4.716	34.911	5.55	4.685	68.49	0.268	27.641	36.698	1476.0	396.	48.84	1.639
500.	4.086	34.873	5.96	4.049	68.51	0.316	27.680	36.770	1475.0	495.	45.60	1.209
600.	3.871	34.878	6.14	3.828	68.49	0.360	27.707	36.809	1475.8	594.	43.73	0.985
700.	3.739	34.881	6.31	3.689	68.49	0.404	27.723	36.832	1476.9	693.	42.98	0.763
800.	3.715	34.888	6.40	3.657	68.55	0.447	27.733	36.843	1478.4	791.	43.01	0.557
900.	3.582	34.878	6.47	3.517	68.67	0.490	27.738	36.856	1479.5	890.	43.14	0.521
1000.	3.569	34.882	6.48	3.496	68.72	0.533	27.743	36.862	1481.1	989.	43.50	0.435
1100.	3.568	34.889	6.47	3.487	68.71	0.577	27.750	36.869	1482.8	1088.	43.78	0.460
1200.	3.505	34.885	6.50	3.416	68.74	0.621	27.754	36.877	1484.2	1186.	44.12	0.440
1300.	3.427	34.879	6.53	3.331	68.71	0.665	27.757	36.885	1485.5	1285.	44.44	0.436
1400.	3.472	34.890	6.49	3.366	68.80	0.710	27.763	36.888	1487.4	1383.	44.92	0.371
1500.	3.414	34.889	6.49	3.300	68.74	0.755	27.768	36.897	1488.8	1482.	45.07	0.497
1600.	3.414	34.896	6.46	3.292	68.71	0.800	27.775	36.904	1490.5	1580.	45.29	0.469
1700.	3.418	34.902	6.43	3.287	68.76	0.845	27.780	36.909	1492.2	1678.	45.69	0.401
1800.	3.422	34.914	6.39	3.282	68.75	0.891	27.790	36.919	1493.9	1777.	45.64	0.560
1900.	3.413	34.921	6.35	3.264	68.80	0.937	27.797	36.928	1495.5	1875.	45.72	0.517
2000.	3.391	34.926	6.33	3.233	68.73	0.982	27.804	36.936	1497.1	1973.	45.81	0.517
2100.	3.351	34.929	6.32	3.183	68.76	1.028	27.812	36.946	1498.6	2071.	45.75	0.558
2200.	3.310	34.936	6.32	3.133	68.72	1.074	27.821	36.958	1500.1	2169.	45.45	0.629
2300.	3.242	34.936	6.32	3.058	68.78	1.119	27.829	36.969	1501.5	2267.	45.21	0.607
2400.	3.189	34.938	6.29	2.995	68.74	1.164	27.836	36.980	1503.0	2366.	44.98	0.599
2500.	3.128	34.938	6.31	2.926	68.72	1.209	27.843	36.991	1504.4	2463.	44.78	0.590
2600.	3.065	34.938	6.32	2.853	68.75	1.254	27.849	37.001	1505.9	2561.	44.55	0.594
2700.	3.076	34.953	6.29	2.854	68.64	1.298	27.861	37.013	1507.6	2659.	44.25	0.613
2800.	3.027	34.954	6.31	2.796	68.54	1.342	27.867	37.022	1509.1	2757.	44.10	0.567
2900.	2.945	34.953	6.31	2.706	68.47	1.386	27.874	37.034	1510.5	2855.	43.58	0.666
3000.	2.924	34.959	6.30	2.674	68.34	1.430	27.882	37.043	1512.1	2953.	43.42	0.566
3200.	2.873	34.962	6.27	2.603	68.14	1.517	27.891	37.056	1515.3	3148.	43.61	0.478
3400.	2.779	34.950	6.30	2.491	68.06	1.604	27.891	37.062	1518.3	3343.	44.20	0.395
3600.	2.720	34.939	6.33	2.411	68.01	1.694	27.889	37.065	1521.4	3538.	45.08	0.316
3800.	2.636	34.929	6.38	2.307	67.91	1.784	27.890	37.071	1524.5	3733.	45.51	0.417

DISCOVERY 174 STATION 11779

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻³	SVANOM M ³ /KG	BVFREQ C.P.H.
10.	11.535	35.319	6.08	11.534	30.31	0.011	26.926	35.669	1495.8	10.	112.06	-999.000
20.	10.590	35.330	6.26	10.587	37.38	0.022	27.107	35.889	1492.6	20.	95.10	7.577
30.	10.510	35.325	6.19	10.506	42.55	0.031	27.118	35.903	1492.5	30.	94.33	1.842
50.	10.251	35.317	6.04	10.245	45.79	0.050	27.158	35.954	1491.9	50.	91.03	2.515
75.	10.137	35.324	5.98	10.129	48.85	0.072	27.184	35.984	1491.9	74.	89.19	1.804
100.	10.038	35.324	5.96	10.026	58.16	0.094	27.201	36.006	1492.0	99.	88.10	1.506
125.	9.487	35.250	5.86	9.473	64.68	0.116	27.237	36.067	1490.3	124.	85.16	2.168
150.	9.233	35.220	5.86	9.217	66.52	0.137	27.256	36.097	1489.8	149.	83.86	1.574
200.	8.888	35.178	5.61	8.866	67.47	0.179	27.280	36.137	1489.3	198.	82.56	1.265
250.	8.435	35.128	5.61	8.409	68.06	0.219	27.312	36.190	1488.4	248.	80.33	1.479
300.	8.014	35.074	5.44	7.983	68.09	0.259	27.335	36.232	1487.5	297.	78.90	1.272
400.	6.638	34.933	5.51	6.600	68.34	0.334	27.421	36.385	1483.7	396.	71.40	1.762
500.	5.294	34.850	5.62	5.252	68.30	0.401	27.526	36.556	1479.9	495.	61.51	1.951
600.	5.023	34.930	5.44	4.975	68.37	0.458	27.623	36.665	1480.6	594.	53.40	1.775
700.	4.536	34.930	5.71	4.481	68.37	0.509	27.679	36.746	1480.2	693.	48.56	1.425
800.	4.277	34.921	5.97	4.215	68.33	0.557	27.701	36.782	1480.8	792.	47.11	0.929
900.	3.947	34.904	6.14	3.879	68.37	0.603	27.722	36.821	1481.1	890.	45.42	0.959
1000.	3.837	34.903	6.27	3.762	68.49	0.649	27.733	36.838	1482.3	989.	45.12	0.662
1100.	3.727	34.896	6.37	3.645	68.64	0.694	27.740	36.851	1483.5	1088.	45.18	0.551
1200.	3.663	34.894	6.40	3.573	68.62	0.739	27.745	36.860	1484.8	1186.	45.38	0.591
1300.	3.547	34.883	6.48	3.449	68.62	0.785	27.749	36.870	1486.0	1285.	45.57	0.498
1400.	3.537	34.888	6.49	3.431	68.67	0.830	27.755	36.877	1487.6	1383.	45.85	0.457
1500.	3.422	34.877	6.56	3.309	68.69	0.876	27.758	36.886	1488.8	1482.	46.07	0.479
1600.	3.409	34.880	6.56	3.287	68.68	0.922	27.762	36.892	1490.4	1580.	46.41	0.424
1700.	3.395	34.884	6.54	3.264	68.70	0.969	27.768	36.898	1492.0	1678.	46.71	0.440
1800.	3.420	34.896	6.46	3.280	68.74	1.016	27.776	36.906	1493.8	1777.	46.88	0.435
1900.	3.454	34.910	6.42	3.304	68.71	1.063	27.784	36.913	1495.7	1875.	47.11	0.470
2000.	3.464	34.923	6.36	3.304	68.68	1.110	27.795	36.923	1497.4	1973.	47.05	0.565
2100.	3.432	34.927	6.35	3.263	68.66	1.157	27.802	36.932	1499.0	2071.	47.06	0.544
2200.	3.402	34.932	6.33	3.224	68.66	1.204	27.810	36.942	1500.5	2169.	47.00	0.556
2300.	3.353	34.934	6.32	3.166	68.67	1.251	27.817	36.952	1502.0	2268.	46.88	0.577
2400.	3.295	34.936	6.31	3.099	68.67	1.298	27.825	36.964	1503.4	2366.	46.60	0.622
2500.	3.216	34.937	6.31	3.012	68.68	1.344	27.834	36.977	1504.8	2464.	46.15	0.653
2600.	3.146	34.938	6.30	2.934	68.66	1.390	27.842	36.989	1506.2	2562.	45.73	0.651
2700.	3.079	34.939	6.34	2.857	68.68	1.435	27.849	37.001	1507.6	2659.	45.33	0.640
2800.	3.012	34.938	6.33	2.782	68.59	1.481	27.856	37.012	1509.0	2757.	45.00	0.619
2900.	2.960	34.938	6.34	2.720	68.62	1.526	27.861	37.020	1510.5	2855.	44.86	0.560
3000.	2.872	34.936	6.35	2.624	68.68	1.570	27.868	37.032	1511.8	2953.	44.32	0.670
3200.	2.815	34.945	6.34	2.547	68.39	1.658	27.882	37.050	1515.0	3148.	43.93	0.569
3400.	2.747	34.938	6.34	2.459	68.24	1.747	27.884	37.057	1518.1	3344.	44.52	0.390

DISCOVERY 174 STATION 11782

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M	SVANOM M10 ⁻⁹ M ³ /KG	BVFREQ C.P.H.
10.	9.049	34.956	6.54	9.048	49.48	0.010	27.076	35.928	1486.5	10.	97.76	999.000
20.	8.887	34.962	6.59	8.885	48.98	0.019	27.107	35.966	1486.1	20.	95.07	3.108
30.	8.381	34.964	6.65	8.377	52.72	0.029	27.188	36.070	1484.3	30.	87.54	5.081
50.	8.148	34.989	6.49	8.143	61.33	0.046	27.244	36.136	1483.8	50.	82.66	2.967
75.	7.377	34.977	6.27	7.369	64.05	0.065	27.349	36.276	1481.3	74.	73.06	3.665
100.	6.095	34.855	6.32	6.086	66.73	0.082	27.427	36.416	1476.6	99.	65.81	3.200
125.	5.791	34.853	6.00	5.781	67.58	0.098	27.464	36.468	1475.8	124.	62.59	2.191
150.	5.347	34.816	6.21	5.335	67.70	0.114	27.490	36.516	1474.4	149.	60.39	1.845
200.	5.045	34.810	6.29	5.029	68.10	0.143	27.521	36.563	1473.9	198.	57.91	1.447
250.	4.635	34.798	6.18	4.616	68.39	0.172	27.559	36.622	1473.1	248.	54.74	1.589
300.	4.813	34.874	5.76	4.789	68.53	0.198	27.600	36.652	1474.7	297.	51.64	1.572
400.	4.479	34.903	5.70	4.449	68.62	0.247	27.661	36.731	1475.0	396.	46.71	1.431
500.	4.269	34.913	5.82	4.232	68.70	0.293	27.693	36.773	1475.8	495.	44.61	1.038
600.	3.905	34.883	6.12	3.862	68.62	0.337	27.708	36.807	1475.9	594.	43.75	0.801
700.	3.867	34.904	6.17	3.816	68.72	0.380	27.729	36.831	1477.4	693.	42.65	0.838
800.	3.760	34.904	6.24	3.701	68.80	0.423	27.741	36.848	1478.6	791.	42.34	0.659
900.	3.645	34.903	6.31	3.579	68.87	0.465	27.752	36.866	1479.8	890.	42.01	0.658
1000.	3.581	34.901	6.33	3.508	68.93	0.507	27.758	36.876	1481.2	989.	42.20	0.497
1100.	3.544	34.906	6.35	3.463	68.91	0.549	27.766	36.886	1482.7	1087.	42.24	0.545
1200.	3.519	34.916	6.36	3.430	68.95	0.591	27.777	36.899	1484.3	1186.	42.00	0.622
1300.	3.468	34.930	6.31	3.371	68.97	0.633	27.794	36.919	1485.7	1285.	41.15	0.770
1400.	3.396	34.930	6.31	3.291	68.98	0.674	27.802	36.931	1487.1	1383.	41.03	0.532
1500.	3.351	34.932	6.29	3.238	68.86	0.715	27.808	36.940	1488.6	1481.	41.11	0.516
1600.	3.302	34.937	6.29	3.181	68.87	0.756	27.818	36.953	1490.0	1580.	40.85	0.616
1700.	3.262	34.943	6.29	3.132	68.89	0.797	27.827	36.964	1491.5	1678.	40.69	0.586
1800.	3.174	34.946	6.29	3.037	68.84	0.837	27.839	36.981	1492.9	1776.	40.00	0.720
1900.	3.137	34.957	6.26	2.992	68.68	0.877	27.852	36.996	1494.4	1875.	39.42	0.689

DISCOVERY 174 STATION 11783

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M	SVANOM M10 ⁻⁹ M ³ /KG	BVFREQ C.P.H.
10.	8.816	34.910	6.48	8.815	50.13	0.010	27.078	35.941	1485.6	10.	97.61	999.000
20.	8.801	34.909	6.53	8.798	50.24	0.020	27.079	35.943	1485.7	20.	97.68	0.664
30.	8.741	34.912	6.56	8.738	50.41	0.029	27.092	35.958	1485.6	30.	96.72	1.975
50.	7.948	34.917	6.54	7.943	61.52	0.047	27.218	36.119	1483.0	50.	85.11	4.475
75.	7.569	34.972	6.42	7.562	65.63	0.068	27.317	36.235	1482.0	74.	76.12	3.554
100.	6.944	34.947	5.90	6.934	67.87	0.086	27.386	36.334	1480.0	99.	69.87	2.989
125.	6.510	34.906	5.88	6.499	67.96	0.103	27.413	36.382	1478.7	124.	67.62	1.887
150.	6.144	34.891	5.74	6.131	68.12	0.120	27.450	36.437	1477.6	149.	64.41	2.194
200.	5.201	34.805	6.11	5.185	68.04	0.151	27.499	36.533	1474.6	198.	60.12	1.827
250.	4.804	34.785	6.39	4.784	68.32	0.180	27.530	36.584	1473.7	248.	57.61	1.449
300.	4.588	34.797	6.21	4.566	68.40	0.208	27.564	36.629	1473.7	297.	54.81	1.507
400.	4.464	34.873	5.82	4.433	68.43	0.260	27.639	36.709	1474.9	396.	48.80	1.547
500.	4.120	34.885	6.06	4.083	68.52	0.307	27.686	36.774	1475.2	495.	45.05	1.274
600.	4.027	34.903	6.14	3.983	68.48	0.351	27.711	36.804	1476.4	594.	43.61	0.913
700.	3.835	34.902	6.24	3.784	68.63	0.394	27.730	36.834	1477.3	693.	42.50	0.843
800.	3.765	34.897	6.26	3.706	68.72	0.437	27.735	36.842	1478.6	791.	42.92	0.433
900.	3.663	34.895	6.31	3.598	68.82	0.480	27.744	36.857	1479.9	890.	42.78	0.607
1000.	3.611	34.895	6.35	3.537	68.86	0.523	27.750	36.867	1481.3	989.	42.99	0.496
1100.	3.521	34.893	6.41	3.440	68.87	0.566	27.758	36.879	1482.6	1087.	42.93	0.571
1200.	3.463	34.895	6.41	3.374	68.89	0.609	27.766	36.891	1484.0	1186.	42.88	0.567
1300.	3.463	34.906	6.38	3.366	68.91	0.651	27.775	36.901	1485.7	1285.	42.86	0.553
1400.	3.475	34.921	6.34	3.369	68.87	0.694	27.787	36.912	1487.4	1383.	42.71	0.593
1500.	3.456	34.933	6.32	3.342	68.83	0.737	27.800	36.926	1489.0	1481.	42.34	0.654
1600.	3.387	34.939	6.31	3.265	68.80	0.779	27.812	36.942	1490.4	1580.	41.78	0.698
1700.	3.333	34.945	6.30	3.203	68.71	0.820	27.823	36.956	1491.9	1678.	41.41	0.648
1800.	3.302	34.949	6.28	3.163	68.69	0.862	27.829	36.964	1493.4	1776.	41.49	0.511
1900.	3.296	34.951	6.25	3.148	68.68	0.904	27.832	36.968	1495.1	1875.	41.98	0.355

DISCOVERY 174 STATION 11784

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁶ M ³ /KG	SVANOM C.P.H.	BVFREQ C.P.H.
10.	9.016	34.904	6.48	9.015	36.21	0.010	27.041	35.895	1486.3	10.	101.13	999.000
20.	8.879	34.914	6.55	8.877	39.64	0.020	27.071	35.931	1486.0	20.	98.48	3.089
30.	8.163	34.926	6.50	8.160	59.63	0.029	27.192	36.084	1483.5	30.	87.15	6.201
50.	7.611	34.916	6.45	7.606	63.08	0.046	27.266	36.184	1481.7	50.	80.45	3.435
75.	6.696	34.850	6.47	6.689	65.33	0.065	27.343	36.304	1478.5	74.	73.47	3.147
100.	6.181	34.810	6.45	6.172	66.50	0.083	27.381	36.367	1476.9	99.	70.20	2.211
125.	5.928	34.806	6.41	5.918	67.27	0.101	27.410	36.408	1476.3	124.	67.77	1.936
150.	5.656	34.809	6.26	5.643	67.57	0.117	27.447	36.458	1475.6	149.	64.58	2.180
200.	4.836	34.758	6.48	4.820	68.00	0.148	27.504	36.557	1473.0	198.	59.44	1.966
250.	4.651	34.792	6.15	4.632	68.31	0.177	27.552	36.614	1473.1	248.	55.36	1.768
300.	4.723	34.848	5.71	4.700	68.44	0.204	27.589	36.647	1474.3	297.	52.53	1.514
400.	4.477	34.892	5.70	4.466	68.46	0.254	27.653	36.722	1475.0	396.	47.53	1.438
500.	4.199	34.895	5.90	4.162	68.52	0.300	27.686	36.770	1475.5	495.	45.20	1.073
600.	4.025	34.905	6.02	3.981	68.56	0.345	27.713	36.806	1476.4	594.	43.45	0.969
700.	3.839	34.900	6.18	3.788	68.51	0.388	27.729	36.832	1477.3	693.	42.68	0.774
800.	3.756	34.901	6.25	3.698	68.62	0.430	27.739	36.847	1478.6	791.	42.51	0.621
900.	3.652	34.899	6.33	3.587	68.71	0.473	27.748	36.862	1479.8	890.	42.39	0.600
1000.	3.564	34.895	6.37	3.491	68.75	0.515	27.755	36.874	1481.1	989.	42.44	0.544
1100.	3.524	34.895	6.42	3.443	68.75	0.558	27.759	36.881	1482.6	1087.	42.80	0.429
1200.	3.475	34.897	6.41	3.386	68.80	0.600	27.767	36.891	1484.1	1186.	42.84	0.538
1300.	3.466	34.910	6.39	3.369	68.73	0.643	27.779	36.904	1485.7	1285.	42.58	0.625
1400.	3.459	34.923	6.35	3.353	68.77	0.686	27.790	36.916	1487.3	1383.	42.35	0.615
1500.	3.445	34.934	6.33	3.331	68.81	0.728	27.801	36.928	1489.0	1481.	42.14	0.609
1600.	3.397	34.940	6.31	3.275	68.80	0.770	27.812	36.941	1490.4	1580.	41.83	0.635
1700.	3.359	34.945	6.32	3.229	68.83	0.812	27.820	36.951	1492.0	1678.	41.79	0.556
1800.	3.313	34.951	6.33	3.173	68.72	0.853	27.830	36.965	1493.5	1776.	41.43	0.645
1900.	3.280	34.957	6.32	3.132	68.72	0.895	27.839	36.975	1495.0	1875.	41.31	0.576
2000.	3.184	34.954	6.32	3.028	68.80	0.936	27.846	36.988	1496.3	1973.	40.98	0.629
2100.	3.125	34.959	6.30	2.961	68.73	0.977	27.856	37.002	1497.7	2071.	40.54	0.655
2200.	3.073	34.961	6.31	2.900	68.73	1.017	27.864	37.013	1499.2	2169.	40.31	0.595
2300.	3.027	34.966	6.30	2.845	68.61	1.057	27.872	37.024	1500.7	2267.	40.04	0.602
2400.	2.962	34.966	6.29	2.773	68.61	1.097	27.879	37.034	1502.1	2365.	39.77	0.598
2500.	2.907	34.966	6.27	2.709	68.53	1.137	27.885	37.044	1503.5	2463.	39.58	0.572
2600.	2.865	34.966	6.26	2.658	68.38	1.176	27.889	37.051	1505.0	2561.	39.64	0.489
2700.	2.832	34.965	6.26	2.615	68.20	1.216	27.892	37.056	1506.6	2659.	39.82	0.445
2800.	2.825	34.966	6.27	2.599	68.13	1.256	27.894	37.059	1508.3	2757.	40.29	0.308
2900.	2.820	34.966	6.25	2.583	67.96	1.297	27.895	37.061	1509.9	2855.	40.79	0.288
3000.	2.814	34.965	6.25	2.567	67.80	1.338	27.896	37.063	1511.6	2953.	41.33	0.266
3200.	2.822	34.965	6.26	2.554	67.54	1.422	27.897	37.065	1515.1	3148.	42.63	0.130
3400.	2.843	34.965	6.27	2.553	67.38	1.508	27.898	37.065	1518.6	3343.	44.09	0.088

DISCOVERY 174 STATION 11785

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH	SVANOM M10 ⁻⁶ M ³ /KG	BVFREQ C.P.H.
10.	8.889	34.854	6.37	8.888	42.05	0.010	27.022	35.883	1485.8	10.	102.88	999.000
20.	8.575	34.858	6.46	8.573	41.92	0.020	27.075	35.949	1484.8	20.	98.10	4.078
30.	7.850	34.831	6.49	7.847	54.70	0.030	27.164	36.072	1482.2	30.	89.76	5.337
50.	7.283	34.842	6.32	7.278	59.50	0.047	27.256	36.189	1480.4	50.	81.43	3.807
75.	7.194	34.936	6.12	7.187	65.69	0.066	27.342	36.279	1480.6	74.	73.65	3.313
100.	7.121	34.968	5.68	7.111	67.25	0.084	27.378	36.317	1480.7	99.	70.71	2.123
125.	6.764	34.940	5.61	6.753	67.72	0.102	27.406	36.362	1479.7	124.	68.42	1.906
150.	6.196	34.887	5.69	6.183	67.78	0.118	27.440	36.425	1477.8	149.	65.35	2.153
200.	5.637	34.857	6.22	5.620	67.80	0.150	27.488	36.500	1476.4	198.	61.38	1.773
250.	5.292	34.842	5.95	5.272	68.02	0.180	27.518	36.547	1475.8	248.	58.98	1.436
300.	4.836	34.844	5.81	4.813	68.17	0.208	27.573	36.625	1474.8	297.	54.15	1.913
400.	4.580	34.885	5.70	4.549	68.41	0.260	27.636	36.700	1475.4	396.	49.20	1.434
500.	4.225	34.893	5.91	4.188	68.42	0.308	27.681	36.764	1475.6	495.	45.64	1.252
600.	4.047	34.903	6.05	4.003	68.37	0.352	27.709	36.801	1476.5	594.	43.85	0.977
700.	3.895	34.901	6.17	3.844	68.41	0.396	27.724	36.824	1477.5	693.	43.23	0.744
800.	3.786	34.902	6.26	3.728	68.57	0.439	27.737	36.843	1478.7	791.	42.78	0.693
900.	3.670	34.899	6.35	3.604	68.65	0.482	27.746	36.859	1479.9	890.	42.59	0.623
1000.	3.579	34.896	6.40	3.505	68.74	0.524	27.754	36.872	1481.2	989.	42.57	0.566
1100.	3.518	34.897	6.44	3.438	68.75	0.567	27.761	36.883	1482.6	1087.	42.61	0.543
1200.	3.472	34.900	6.43	3.384	68.77	0.609	27.769	36.893	1484.0	1186.	42.64	0.539
1300.	3.471	34.913	6.39	3.374	68.81	0.652	27.780	36.905	1485.7	1285.	42.43	0.610
1400.	3.459	34.927	6.37	3.353	68.83	0.694	27.793	36.919	1487.4	1383.	42.05	0.656
1500.	3.430	34.934	6.34	3.317	68.81	0.736	27.803	36.930	1488.9	1481.	41.94	0.581
1600.	3.375	34.941	6.33	3.253	68.79	0.778	27.815	36.945	1490.4	1580.	41.48	0.674
1700.	3.297	34.943	6.31	3.168	68.79	0.819	27.824	36.959	1491.7	1678.	41.09	0.650
1800.	3.247	34.948	6.30	3.109	68.82	0.860	27.834	36.972	1493.2	1776.	40.82	0.617
1900.	3.188	34.949	6.31	3.042	68.74	0.901	27.841	36.982	1494.6	1875.	40.71	0.566
2000.	3.167	34.954	6.30	3.012	68.75	0.942	27.848	36.991	1496.2	1973.	40.72	0.525
2100.	3.138	34.963	6.29	2.973	68.66	0.982	27.858	37.003	1497.8	2071.	40.43	0.616
2200.	3.056	34.957	6.30	2.883	68.71	1.022	27.862	37.012	1499.1	2169.	40.37	0.542
2300.	3.013	34.957	6.30	2.832	68.68	1.063	27.866	37.019	1500.6	2267.	40.45	0.494
2400.	2.976	34.960	6.31	2.786	68.59	1.103	27.873	37.028	1502.1	2365.	40.36	0.544
2500.	2.911	34.959	6.33	2.713	68.58	1.144	27.878	37.037	1503.5	2463.	40.21	0.561
2600.	2.875	34.957	6.32	2.668	68.56	1.184	27.881	37.043	1505.1	2561.	40.42	0.434
2700.	2.811	34.957	6.30	2.595	68.42	1.224	27.888	37.053	1506.5	2659.	40.09	0.608
2800.	2.802	34.958	6.26	2.575	68.29	1.264	27.890	37.057	1508.2	2757.	40.46	0.358

DISCOVERY 174 STATION 11786

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M	SVANOM M10 ⁻⁶ M ³ /KG	BVFREQ C.P.H.
10.	8.691	34.782	6.48	8.690	38.78	0.011	26.997	35.867	1484.9	10.	105.27	999.000
20.	8.502	34.788	6.56	8.500	38.19	0.021	27.031	35.910	1484.4	20.	102.23	3.287
30.	8.164	34.793	6.60	8.161	45.41	0.031	27.087	35.981	1483.3	30.	97.08	4.224
50.	7.734	34.802	6.56	7.729	53.62	0.050	27.159	36.072	1482.0	50.	90.68	3.363
75.	6.860	34.821	6.48	6.853	59.69	0.071	27.299	36.252	1479.1	74.	77.75	4.225
100.	6.347	34.830	6.33	6.338	61.69	0.089	27.375	36.352	1477.5	99.	70.85	3.123
125.	5.914	34.824	6.31	5.904	63.16	0.106	27.426	36.425	1476.2	124.	66.24	2.578
150.	5.626	34.826	6.31	5.614	63.56	0.123	27.464	36.476	1475.5	149.	62.96	2.206
200.	5.478	34.842	6.24	5.462	64.34	0.153	27.495	36.515	1475.7	198.	60.63	1.422
250.	5.260	34.840	6.01	5.240	64.83	0.183	27.521	36.551	1475.7	248.	58.75	1.305
300.	4.941	34.863	5.75	4.918	65.31	0.211	27.576	36.623	1475.2	297.	53.93	1.912
400.	4.414	34.876	5.74	4.384	65.79	0.262	27.647	36.720	1474.7	396.	47.98	1.545
500.	4.178	34.888	5.87	4.141	66.13	0.309	27.682	36.768	1475.4	495.	45.47	1.099
600.	4.009	34.899	6.00	3.965	66.78	0.354	27.709	36.804	1476.4	594.	43.75	0.965
700.	3.846	34.900	6.17	3.795	67.54	0.397	27.728	36.831	1477.3	693.	42.76	0.819
800.	3.762	34.899	6.25	3.704	67.95	0.440	27.736	36.844	1478.6	791.	42.76	0.574
900.	3.671	34.896	6.33	3.606	68.22	0.483	27.744	36.856	1479.9	890.	42.82	0.548
1000.	3.597	34.894	6.38	3.523	68.53	0.525	27.750	36.867	1481.2	989.	42.95	0.521
1100.	3.534	34.894	6.43	3.454	68.71	0.568	27.758	36.878	1482.6	1087.	42.98	0.547
1200.	3.479	34.896	6.45	3.391	68.83	0.611	27.765	36.889	1484.1	1186.	43.03	0.536
1300.	3.480	34.909	6.42	3.383	69.05	0.654	27.776	36.901	1485.8	1285.	42.84	0.605
1400.	3.481	34.917	6.38	3.375	69.24	0.697	27.784	36.908	1487.4	1383.	43.03	0.486
1500.	3.468	34.926	6.36	3.354	69.30	0.740	27.793	36.919	1489.1	1481.	42.98	0.565
1600.	3.446	34.934	6.33	3.324	69.31	0.783	27.802	36.929	1490.6	1580.	42.91	0.571
1700.	3.401	34.940	6.32	3.270	69.28	0.826	27.812	36.941	1492.1	1678.	42.68	0.613
1800.	3.350	34.942	6.31	3.210	69.41	0.869	27.819	36.952	1493.6	1777.	42.64	0.554
1900.	3.233	34.947	6.31	3.086	69.47	0.911	27.835	36.974	1494.8	1875.	41.46	0.831
2000.	3.186	34.948	6.31	3.030	69.55	0.952	27.841	36.983	1496.3	1973.	41.41	0.546
2100.	3.117	34.949	6.30	2.953	69.71	0.993	27.849	36.995	1497.7	2071.	41.12	0.614
2200.	3.025	34.951	6.30	2.853	69.85	1.034	27.860	37.011	1498.9	2169.	40.41	0.717
2300.	2.979	34.951	6.30	2.798	69.90	1.075	27.864	37.019	1500.4	2267.	40.46	0.498
2400.	2.932	34.949	6.30	2.743	69.80	1.115	27.868	37.026	1501.9	2365.	40.53	0.489
2500.	2.892	34.948	6.30	2.694	69.82	1.156	27.872	37.032	1503.4	2463.	40.68	0.458
2600.	2.864	34.949	6.32	2.656	69.73	1.196	27.876	37.038	1505.0	2561.	40.82	0.458
2700.	2.832	34.949	6.32	2.616	69.74	1.237	27.879	37.044	1506.6	2659.	41.00	0.444
2800.	2.805	34.947	6.33	2.578	69.70	1.279	27.881	37.047	1508.2	2757.	41.35	0.364
2900.	2.766	34.943	6.33	2.531	69.62	1.320	27.882	37.051	1509.7	2855.	41.63	0.395
3000.	2.760	34.944	6.34	2.514	69.51	1.362	27.884	37.054	1511.4	2953.	42.05	0.328
3200.	2.756	34.944	6.34	2.490	69.42	1.447	27.886	37.058	1514.8	3148.	43.09	0.268
3400.	2.760	34.946	6.36	2.471	69.36	1.534	27.890	37.062	1518.2	3343.	44.13	0.270
3600.	2.776	34.947	6.35	2.465	69.26	1.624	27.891	37.063	1521.7	3538.	45.43	0.169
3800.	2.831	34.956	6.33	2.496	69.13	1.716	27.895	37.066	1525.4	3733.	46.80	0.144
4000.	2.809	34.948	6.37	2.452	68.74	1.811	27.893	37.066	1528.7	3928.	48.12	0.176

DISCOVERY 174 STATION 11787

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M	SVANOM M10 ⁻⁶ M ³ /KG	BVFREQ C.P.H.
10.	8.843	34.799	6.49	8.842	37.03	0.011	26.987	35.850	1485.5	10.	106.26	999.000
20.	8.321	34.852	6.58	8.319	44.27	0.021	27.109	35.995	1483.8	20.	94.80	6.236
30.	8.149	34.866	6.57	8.146	50.22	0.030	27.147	36.040	1483.4	30.	91.43	3.450
50.	8.243	34.964	6.39	8.238	60.86	0.048	27.210	36.098	1484.2	50.	85.87	3.150
75.	7.654	35.022	6.06	7.647	66.58	0.068	27.344	36.257	1482.4	74.	73.62	4.122
100.	7.123	34.975	5.85	7.113	67.57	0.086	27.383	36.322	1480.7	99.	70.20	2.276
125.	6.742	34.940	5.62	6.731	67.98	0.103	27.409	36.366	1479.6	124.	68.12	1.829
150.	6.388	34.914	5.52	6.375	68.05	0.120	27.436	36.411	1478.6	149.	65.84	1.896
200.	5.439	34.827	6.10	5.423	67.82	0.151	27.488	36.510	1475.6	198.	61.27	1.882
250.	5.347	34.857	5.57	5.327	68.23	0.181	27.524	36.550	1476.0	248.	58.52	1.513
300.	5.123	34.846	5.89	5.099	68.27	0.210	27.541	36.579	1475.9	297.	57.34	1.109
400.	4.370	34.854	5.84	4.341	68.37	0.264	27.634	36.709	1474.5	396.	49.18	1.770
500.	4.406	34.911	5.80	4.368	68.55	0.311	27.676	36.750	1476.4	495.	46.34	1.152
600.	4.205	34.916	5.94	4.160	68.58	0.357	27.702	36.786	1477.2	594.	44.72	0.955
700.	4.024	34.911	6.09	3.972	68.54	0.401	27.719	36.812	1478.1	693.	43.93	0.786
800.	3.886	34.908	6.20	3.826	68.52	0.445	27.731	36.832	1479.2	791.	43.53	0.691
900.	3.758	34.903	6.29	3.692	68.65	0.488	27.741	36.849	1480.3	890.	43.31	0.634
1000.	3.657	34.899	6.35	3.583	68.74	0.532	27.748	36.862	1481.5	989.	43.26	0.581
1100.	3.573	34.895	6.40	3.492	68.76	0.575	27.755	36.874	1482.8	1087.	43.35	0.531
1200.	3.485	34.890	6.46	3.396	68.83	0.618	27.760	36.884	1484.1	1186.	43.49	0.509
1300.	3.454	34.898	6.47	3.357	68.83	0.662	27.770	36.895	1485.6	1285.	43.36	0.585
1400.	3.443	34.910	6.43	3.337	68.85	0.705	27.781	36.908	1487.3	1383.	43.10	0.622
1500.	3.447	34.926	6.38	3.333	68.90	0.748	27.795	36.922	1489.0	1481.	42.72	0.654
1600.	3.429	34.933	6.34	3.307	68.88	0.791	27.802	36.930	1490.6	1580.	42.82	0.517

DISCOVERY 174 STATION 11788

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M	SVANOM M10 ⁻⁶ M ³ /KG	BVFREQ C.P.H.
10.	9.200	34.881	6.54	9.199	39.62	0.011	26.994	35.840	1486.9	10.	105.61	999.000
20.	8.896	34.968	6.58	8.894	42.25	0.021	27.111	35.969	1486.1	20.	94.71	6.088
30.	8.908	35.007	6.46	8.905	42.30	0.030	27.140	35.997	1486.4	30.	92.19	3.014
50.	8.699	35.085	6.31	8.693	50.99	0.048	27.234	36.100	1486.0	50.	83.67	3.864
75.	8.261	35.066	6.08	8.253	62.14	0.068	27.288	36.173	1484.8	74.	79.02	2.624
100.	7.726	35.016	6.00	7.716	64.85	0.087	27.329	36.240	1483.1	99.	75.46	2.325
125.	7.370	34.990	5.91	7.358	66.84	0.106	27.360	36.288	1482.1	124.	72.89	2.010
150.	6.848	34.940	5.81	6.834	67.40	0.124	27.395	36.348	1480.4	149.	69.86	2.152
200.	6.141	34.888	5.75	6.124	67.91	0.157	27.448	36.435	1478.4	198.	65.34	1.886
250.	5.568	34.863	5.54	5.547	68.25	0.189	27.502	36.517	1476.9	248.	60.74	1.888
300.	5.133	34.868	5.53	5.109	68.31	0.218	27.558	36.595	1476.0	297.	55.81	1.935
400.	4.772	34.907	5.54	4.741	68.27	0.271	27.631	36.686	1476.2	396.	49.82	1.557
500.	4.420	34.917	5.77	4.382	68.55	0.319	27.680	36.752	1476.5	495.	46.05	1.287
600.	4.049	34.902	6.09	4.004	68.63	0.364	27.708	36.800	1476.5	594.	43.93	1.036
700.	3.741	34.881	6.30	3.690	68.57	0.407	27.724	36.832	1476.9	693.	42.96	0.813
800.	3.656	34.882	6.38	3.598	68.65	0.450	27.733	36.847	1478.2	791.	42.83	0.603
900.	3.592	34.884	6.43	3.527	68.71	0.493	27.742	36.859	1479.6	890.	42.77	0.576
1000.	3.541	34.883	6.44	3.469	68.75	0.536	27.747	36.868	1481.0	989.	43.06	0.461
1100.	3.474	34.880	6.51	3.394	68.77	0.579	27.752	36.876	1482.4	1087.	43.34	0.457
1200.	3.418	34.877	6.55	3.330	68.83	0.623	27.755	36.883	1483.8	1186.	43.71	0.418
1300.	3.351	34.871	6.57	3.256	68.88	0.666	27.758	36.890	1485.2	1285.	44.07	0.414
1400.	3.325	34.872	6.58	3.221	68.91	0.711	27.762	36.896	1486.7	1383.	44.45	0.403
1500.	3.363	34.885	6.56	3.250	68.94	0.755	27.770	36.901	1488.6	1481.	44.74	0.439
1600.	3.413	34.900	6.46	3.291	68.96	0.800	27.778	36.907	1490.5	1580.	45.03	0.442
1700.	3.460	34.917	6.40	3.329	68.99	0.845	27.788	36.915	1492.4	1678.	45.12	0.517
1800.	3.467	34.932	6.33	3.326	68.95	0.890	27.801	36.927	1494.1	1777.	44.85	0.627
1900.	3.442	34.948	6.31	3.292	68.91	0.935	27.816	36.944	1495.7	1875.	44.17	0.729
2000.	3.326	34.944	6.30	3.168	68.90	0.979	27.825	36.960	1496.9	1973.	43.61	0.695
2100.	3.206	34.946	6.30	3.040	68.78	1.022	27.838	36.980	1498.0	2071.	42.56	0.802
2200.	3.153	34.953	6.31	2.979	68.73	1.064	27.850	36.995	1499.5	2169.	42.00	0.686
2300.	3.018	34.951	6.30	2.837	68.57	1.105	27.861	37.013	1500.6	2267.	40.99	0.736
2400.	2.948	34.949	6.30	2.759	68.56	1.146	27.867	37.023	1502.0	2365.	40.76	0.587

DISCOVERY 174 STATION 11789

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁶ M ³ /KG	SVANOM C.P.H.	BVFREQ
10.	10.373	35.126	6.59	10.372	31.28	0.011	26.987	35.780	1491.5	10.	106.30	999.000
20.	9.796	35.135	6.48	9.793	35.77	0.021	27.093	35.911	1489.6	20.	96.43	5.806
30.	9.590	35.188	6.34	9.586	46.85	0.030	27.169	35.995	1489.1	30.	89.41	4.916
50.	8.892	35.151	5.79	8.887	64.91	0.047	27.255	36.111	1486.8	50.	81.68	3.690
75.	8.670	35.139	5.73	8.662	66.64	0.067	27.281	36.148	1486.4	74.	79.70	1.833
100.	8.470	35.127	5.82	8.460	67.27	0.087	27.303	36.179	1486.0	99.	78.09	1.687
125.	8.189	35.094	5.79	8.176	67.05	0.106	27.321	36.210	1485.4	124.	76.83	1.535
150.	7.834	35.055	5.58	7.819	67.74	0.125	27.344	36.250	1484.4	149.	75.02	1.752
200.	6.806	34.949	5.71	6.788	68.20	0.162	27.408	36.362	1481.1	198.	69.48	2.073
250.	6.312	34.907	5.62	6.290	68.35	0.196	27.442	36.421	1480.0	248.	66.79	1.529
300.	5.817	34.866	5.56	5.792	68.42	0.228	27.474	36.477	1478.8	297.	64.23	1.489
400.	5.085	34.887	5.40	5.052	68.47	0.288	27.580	36.619	1477.5	396.	54.98	1.885
500.	4.824	34.952	5.49	4.785	68.56	0.340	27.662	36.714	1478.2	495.	48.18	1.643
600.	4.222	34.915	5.88	4.177	68.49	0.386	27.700	36.783	1477.3	594.	44.93	1.215
700.	4.078	34.918	6.02	4.026	68.37	0.431	27.718	36.809	1478.3	693.	44.07	0.803
800.	3.895	34.909	6.13	3.836	68.43	0.474	27.731	36.832	1479.2	791.	43.54	0.722
900.	3.816	34.908	6.21	3.749	68.50	0.518	27.739	36.844	1480.5	890.	43.59	0.550
1000.	3.720	34.902	6.27	3.646	68.65	0.562	27.744	36.855	1481.8	989.	43.80	0.506
1100.	3.611	34.894	6.35	3.529	68.66	0.606	27.750	36.867	1483.0	1087.	43.90	0.532
1200.	3.497	34.885	6.42	3.408	68.70	0.649	27.755	36.878	1484.1	1186.	44.01	0.520
1300.	3.458	34.886	6.42	3.361	68.70	0.694	27.760	36.886	1485.6	1285.	44.27	0.462
1400.	3.437	34.889	6.43	3.332	68.73	0.738	27.765	36.892	1487.2	1383.	44.60	0.433
1500.	3.437	34.895	6.42	3.323	68.80	0.783	27.771	36.898	1488.9	1481.	44.93	0.430
1600.	3.458	34.906	6.35	3.335	68.83	0.828	27.779	36.905	1490.7	1580.	45.12	0.485
1700.	3.458	34.917	6.34	3.326	68.86	0.873	27.788	36.915	1492.3	1678.	45.12	0.548
1800.	3.442	34.924	6.31	3.301	68.85	0.918	27.796	36.925	1494.0	1777.	45.12	0.547
1900.	3.408	34.930	6.30	3.258	68.87	0.963	27.805	36.936	1495.5	1875.	44.99	0.584
2000.	3.376	34.933	6.30	3.218	68.86	1.008	27.812	36.944	1497.1	1973.	45.06	0.521
2100.	3.319	34.938	6.28	3.152	68.88	1.053	27.822	36.958	1498.5	2071.	44.65	0.658
2200.	3.275	34.942	6.29	3.099	68.83	1.098	27.830	36.968	1500.0	2169.	44.50	0.582
2300.	3.220	34.944	6.30	3.035	68.81	1.142	27.838	36.980	1501.5	2267.	44.26	0.607
2400.	3.169	34.946	6.30	2.976	68.75	1.186	27.845	36.990	1502.9	2365.	44.09	0.581
2500.	3.129	34.948	6.29	2.927	68.74	1.230	27.851	36.998	1504.5	2463.	44.05	0.541
2600.	3.045	34.946	6.30	2.834	68.71	1.274	27.857	37.010	1505.8	2561.	43.67	0.635
2700.	2.997	34.946	6.31	2.777	68.70	1.318	27.863	37.018	1507.3	2659.	43.58	0.547
2800.	2.950	34.949	6.32	2.720	68.60	1.361	27.870	37.029	1508.8	2757.	43.28	0.606
2900.	2.914	34.949	6.32	2.675	68.47	1.404	27.874	37.035	1510.3	2855.	43.43	0.461
3000.	2.896	34.950	6.33	2.647	68.43	1.448	27.877	37.040	1511.9	2953.	43.64	0.435
3200.	2.807	34.945	6.36	2.539	68.33	1.535	27.882	37.051	1515.0	3148.	43.85	0.470
3400.	2.770	34.945	6.33	2.482	68.12	1.624	27.888	37.060	1518.2	3343.	44.36	0.408
3600.	2.813	34.957	6.26	2.501	67.79	1.713	27.895	37.066	1521.9	3538.	45.35	0.291

DISCOVERY 174 STATION 11790

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M10 ⁻⁸ M ³ /KG	SVANOM C.P.H.	BVFREQ
10.	10.621	35.183	6.35	10.619	30.97	0.011	26.987	35.769	1492.4	10.	106.25	-999.000
20.	10.243	35.211	6.38	10.240	37.16	0.021	27.076	35.873	1491.3	20.	98.06	5.301
30.	10.298	35.210	6.21	10.295	38.13	0.031	27.065	35.860	1491.6	30.	99.33	-1.852
50.	9.625	35.257	5.87	9.619	59.36	0.049	27.218	36.041	1489.6	50.	85.29	4.919
75.	9.068	35.198	5.55	9.060	67.21	0.070	27.264	36.112	1487.9	74.	81.41	2.437
100.	8.698	35.151	5.51	8.688	67.69	0.090	27.287	36.152	1486.9	99.	79.70	1.730
125.	8.473	35.124	5.61	8.460	67.80	0.110	27.302	36.177	1486.5	124.	78.77	1.391
150.	8.257	35.105	5.53	8.242	67.95	0.129	27.320	36.206	1486.0	149.	77.44	1.570
200.	7.900	35.062	5.54	7.880	68.26	0.168	27.341	36.243	1485.5	198.	76.34	1.177
250.	6.893	34.960	5.55	6.870	68.45	0.205	27.406	36.356	1482.3	248.	70.60	2.108
300.	5.811	34.862	5.63	5.785	68.54	0.238	27.471	36.475	1478.7	297.	64.46	2.151
400.	5.147	34.884	5.39	5.114	68.56	0.299	27.570	36.606	1477.7	396.	55.98	1.815
500.	4.667	34.926	5.56	4.628	68.58	0.351	27.660	36.720	1477.5	495.	48.24	1.735
600.	4.269	34.915	5.87	4.224	68.53	0.398	27.695	36.776	1477.5	594.	45.48	1.144
700.	4.108	34.924	6.03	4.056	68.31	0.442	27.720	36.809	1478.5	693.	43.96	0.932
800.	3.934	34.914	6.17	3.875	68.42	0.486	27.731	36.829	1479.4	791.	43.62	0.679
900.	3.862	34.910	6.23	3.795	68.54	0.530	27.736	36.838	1480.7	890.	43.99	0.459
1000.	3.753	34.903	6.33	3.678	68.67	0.574	27.742	36.851	1481.9	989.	44.10	0.540
1100.	3.632	34.895	6.38	3.551	68.76	0.618	27.749	36.864	1483.1	1087.	44.08	0.570
1200.	3.549	34.890	6.40	3.460	68.81	0.662	27.754	36.874	1484.4	1186.	44.25	0.503
1300.	3.448	34.885	6.47	3.351	68.89	0.707	27.760	36.886	1485.6	1285.	44.25	0.550
1400.	3.415	34.883	6.49	3.310	68.89	0.751	27.763	36.891	1487.1	1383.	44.73	0.369
1500.	3.407	34.887	6.48	3.293	68.89	0.796	27.766	36.897	1488.7	1481.	45.08	0.420
1600.	3.429	34.899	6.45	3.306	68.93	0.841	27.775	36.904	1490.5	1580.	45.30	0.471
1700.	3.463	34.920	6.34	3.331	68.92	0.886	27.790	36.917	1492.4	1678.	44.93	0.651
1800.	3.448	34.926	6.33	3.308	68.89	0.931	27.797	36.925	1494.0	1777.	45.08	0.500
1900.	3.440	34.929	6.32	3.290	68.92	0.976	27.801	36.930	1495.6	1875.	45.48	0.403
2000.	3.398	34.934	6.33	3.240	68.87	1.022	27.810	36.941	1497.1	1973.	45.35	0.587
2100.	3.335	34.938	6.30	3.168	68.86	1.067	27.820	36.955	1498.6	2071.	44.92	0.662

DISCOVERY 174 STATION 11791

PRES DB	TEMP DEGC	SALIN PSU	OXYGEN ML/L	POTEMP DEGC	TRAN PC/M	DYNHT DYN.M.	SIGP0 KG/M ³	SIGP2 KG/M ³	SNDVEL M/S	DEPTH M	SVANOM M10 ⁻⁶ M ³ /KG	BVFREQ C.P.H.
10.	10.150	35.141	6.47	10.148	25.98	0.010	27.037	35.839	1490.7	10.	101.54	999.000
20.	9.753	35.154	6.55	9.751	28.04	0.020	27.115	35.934	1489.5	20.	94.37	4.970
30.	9.739	35.155	6.45	9.736	28.83	0.029	27.118	35.938	1489.6	30.	94.25	1.081
50.	9.530	35.159	6.29	9.524	38.54	0.048	27.157	35.986	1489.1	50.	91.00	2.486
75.	8.935	35.133	6.08	8.926	55.76	0.070	27.235	36.090	1487.3	74.	84.13	3.147
100.	8.086	35.056	5.90	8.076	65.50	0.090	27.307	36.201	1484.5	99.	77.67	3.050
125.	7.869	35.057	5.73	7.857	67.59	0.109	27.340	36.244	1484.1	124.	74.94	2.073
150.	7.275	34.995	5.63	7.260	68.21	0.127	27.378	36.310	1482.2	149.	71.61	2.250
200.	6.064	34.848	5.95	6.047	67.80	0.162	27.427	36.418	1478.1	198.	67.37	1.840
250.	6.044	34.891	5.52	6.022	68.52	0.195	27.464	36.456	1478.9	248.	64.57	1.541
300.	5.562	34.871	5.49	5.537	68.60	0.226	27.509	36.524	1477.8	297.	60.76	1.739
400.	5.029	34.903	5.37	4.997	68.56	0.283	27.599	36.641	1477.3	396.	53.13	1.732
500.	4.373	34.880	5.74	4.335	68.68	0.334	27.655	36.730	1476.2	495.	48.31	1.419
600.	4.088	34.880	5.96	4.043	68.61	0.381	27.687	36.777	1476.7	594.	46.01	1.065
700.	3.871	34.879	6.14	3.820	68.64	0.427	27.708	36.810	1477.4	693.	44.62	0.898
800.	3.738	34.881	6.26	3.679	68.71	0.471	27.725	36.834	1478.5	791.	43.80	0.777
900.	3.710	34.889	6.33	3.644	68.59	0.515	27.734	36.845	1480.1	890.	43.77	0.575
1000.	3.620	34.884	6.38	3.547	68.66	0.558	27.740	36.856	1481.3	989.	43.92	0.514
1100.	3.542	34.881	6.40	3.461	68.71	0.602	27.746	36.867	1482.7	1087.	44.07	0.509
1200.	3.460	34.874	6.44	3.372	68.83	0.647	27.749	36.875	1484.0	1186.	44.41	0.434
1300.	3.415	34.873	6.49	3.318	68.86	0.691	27.754	36.882	1485.4	1285.	44.72	0.440
1400.	3.395	34.876	6.47	3.291	68.85	0.736	27.759	36.889	1487.0	1383.	45.00	0.445
1500.	3.392	34.881	6.49	3.279	68.86	0.781	27.764	36.894	1488.7	1482.	45.39	0.403
1600.	3.402	34.887	6.46	3.280	68.87	0.827	27.769	36.898	1490.4	1580.	45.82	0.384
1700.	3.425	34.898	6.40	3.294	68.87	0.873	27.776	36.905	1492.2	1678.	46.04	0.470
1800.	3.440	34.906	6.35	3.299	68.89	0.919	27.782	36.911	1493.9	1777.	46.42	0.411
1900.	3.441	34.920	6.32	3.292	68.89	0.965	27.794	36.923	1495.6	1875.	46.18	0.617
2000.	3.405	34.931	6.29	3.246	68.92	1.011	27.807	36.938	1497.2	1973.	45.66	0.688
2100.	3.364	34.935	6.28	3.196	68.90	1.057	27.815	36.949	1498.7	2071.	45.50	0.592
2200.	3.304	34.939	6.27	3.128	68.89	1.102	27.824	36.961	1500.1	2169.	45.16	0.639
2300.	3.268	34.941	6.29	3.083	68.87	1.147	27.830	36.970	1501.7	2267.	45.20	0.522
2400.	3.226	34.945	6.29	3.031	68.77	1.192	27.839	36.981	1503.2	2365.	44.97	0.602
2500.	3.193	34.946	6.29	2.989	68.75	1.238	27.843	36.988	1504.7	2463.	45.13	0.481
2600.	3.163	34.951	6.29	2.950	68.71	1.283	27.851	36.997	1506.3	2561.	45.00	0.568
2700.	3.118	34.952	6.30	2.896	68.69	1.328	27.857	37.006	1507.8	2659.	44.92	0.552
2800.	3.077	34.956	6.32	2.845	68.64	1.372	27.864	37.016	1509.3	2757.	44.72	0.587
2900.	3.046	34.955	6.30	2.804	68.53	1.417	27.867	37.021	1510.9	2855.	44.96	0.437
3000.	2.995	34.956	6.31	2.744	68.48	1.462	27.873	37.031	1512.4	2953.	44.73	0.591
3200.	2.936	34.954	6.32	2.665	68.37	1.552	27.879	37.040	1515.5	3148.	45.20	0.431
3400.	2.791	34.947	6.35	2.502	68.11	1.642	27.887	37.058	1518.3	3343.	44.59	0.603
3600.	2.732	34.941	6.37	2.422	67.99	1.732	27.889	37.064	1521.5	3538.	45.17	0.390
3800.	2.667	34.932	6.40	2.337	67.89	1.822	27.890	37.070	1524.6	3733.	45.78	0.378
4000.	2.684	34.932	6.42	2.330	67.71	1.915	27.890	37.070	1528.1	3928.	47.12	0.126
4200.	2.682	34.929	6.44	2.305	67.29	2.011	27.890	37.072	1531.6	4122.	48.32	0.205

DISCOVERY 174 SAMPLE DATA

STN	PRES	TEMP	SALIN	SILICA	STN	PRES	TEMP	SALIN	SILICA
	DB	DEGC	PSU	MUMOL/L		DB	DEGC	PSU	MUMOL/L
11731	838.	-0.21	35.910	-999.0	11755	500.	5.36	34.906	-999.0
11735	298.	8.19	35.270	-999.0	11755	201.	7.36	35.006	-999.0
11737	690.	-0.15	34.920	-999.0	11756	2688.	2.71	34.973	-999.0
11737	594.	2.96	35.013	-999.0	11756	2358.	2.99	34.969	-999.0
11737	396.	7.82	35.224	-999.0	11756	1305.	3.52	34.893	-999.0
11737	197.	7.92	35.208	-999.0	11756	680.	4.34	34.937	-999.0
11742	184.	7.92	35.210	-999.0	11756	198.	5.97	34.849	-999.0
11744	683.	2.53	35.004	-999.0	11756	9.	8.27	34.870	-999.0
11744	597.	4.48	36.076	-999.0	11757	2007.	3.36	34.964	-999.0
11744	547.	5.48	35.117	-999.0	11757	1506.	3.59	34.905	-999.0
11744	498.	6.12	35.150	-999.0	11757	1005.	4.11	34.925	-999.0
11744	199.	7.92	35.205	-999.0	11757	604.	5.77	35.021	-999.0
11746	894.	6.36	35.147	-999.0	11757	401.	7.18	35.102	-999.0
11746	800.	7.16	35.191	-999.0	11757	202.	7.45	35.059	-999.0
11746	199.	8.08	35.214	-999.0	11758	2302.	2.71	34.977	11.2
11748	897.	-0.07	34.912	-999.0	11758	1760.	3.54	34.942	10.2
11748	199.	8.71	35.300	-999.0	11758	1336.	3.67	34.900	9.6
11749	1090.	4.47	34.969	11.3	11758	377.	6.94	35.092	6.2
11750	2092.	3.34	34.945	-999.0	11758	11.	8.61	35.024	1.4
11750	1803.	3.51	34.928	10.8	11759	2048.	2.90	34.981	-999.0
11750	1453.	3.67	34.912	10.4	11759	1507.	3.63	34.909	-999.0
11750	822.	6.59	35.156	10.0	11759	1004.	4.37	34.941	-999.0
11750	730.	6.18	34.984	9.9	11759	503.	7.02	34.096	-999.0
11750	119.	9.66	35.317	4.3	11759	300.	7.12	34.999	-999.0
11751	2358.	3.19	34.954	14.0	11760	1962.	3.14	34.980	-999.0
11751	1969.	3.51	34.933	11.0	11760	1506.	3.70	34.943	-999.0
11751	1643.	3.62	34.907	9.7	11760	1255.	3.86	34.929	-999.0
11751	1194.	4.40	34.955	9.2	11760	1005.	4.17	34.934	-999.0
11751	552.	8.72	35.243	5.1	11760	403.	6.83	35.078	-999.0
11751	199.	9.49	35.307	4.5	11760	200.	6.96	35.030	-999.0
11752	3114.	2.83	34.959	18.7	11761	1484.	3.86	34.968	-999.0
11752	2513.	3.26	34.949	12.2	11761	1201.	3.93	34.963	-999.0
11752	1762.	3.58	34.906	11.0	11761	803.	5.18	34.993	-999.0
11752	1005.	5.36	35.053	10.0	11761	502.	6.77	35.090	-999.0
11752	504.	8.54	35.206	6.3	11761	303.	7.00	35.086	-999.0
11752	204.	9.28	35.269	4.8	11761	202.	7.19	35.077	-999.0
11753	3007.	2.72	34.971	-999.0	11762	1226.	3.94	34.959	-999.0
11753	2373.	3.31	34.949	-999.0	11762	1001.	4.13	34.946	-999.0
11753	1576.	3.55	34.896	-999.0	11762	800.	5.16	35.018	-999.0
11753	991.	4.15	34.923	-999.0	11762	601.	6.22	35.048	-999.0
11753	551.	6.56	35.044	-999.0	11762	401.	6.86	35.082	-999.0
11753	151.	8.75	35.171	-999.0	11762	198.	7.07	35.056	-999.0
11754	2762.	2.69	34.970	14.5	11763	2306.	3.03	34.975	-999.0
11754	2208.	3.36	34.955	11.5	11768	3765.	2.58	34.924	-999.0
11754	605.	5.66	34.695	10.2	11768	3261.	2.85	34.954	17.1
11754	201.	8.32	35.129	6.1	11768	2757.	3.09	34.972	16.0
11755	2603.	2.70	34.973	-999.0	11768	1297.	3.39	34.885	13.1
11755	2311.	3.04	34.972	-999.0	11768	796.	3.59	34.888	10.2
11755	1810.	3.50	34.933	-999.0	11768	247.	4.44	34.796	10.0
11755	1306.	3.63	34.898	-999.0	11769	2861.	2.99	34.979	14.0

DISCOVERY 174 SAMPLE DATA (CONT)

STN	PRES	TEMP	SALIN	SILICA	STN	PRES	TEMP	SALIN	SILICA
	DB	DEGC	PSU	MUMOL/L		DB	DEGC	PSU	MUMOL/L
11769	2007.	3.14	34.950	12.9	11784	3524.	2.86	34.967	18.2
11769	1600.	3.32	34.937	12.2	11784	3016.	2.81	34.966	17.9
11769	996.	3.59	34.902	10.4	11784	2513.	2.90	34.969	15.9
11769	594.	4.12	34.915	10.2	11784	1406.	3.46	34.926	10.9
11769	244.	5.18	34.834	8.5	11784	1005.	3.58	34.896	10.1
11774	3000.	2.89	34.967	15.7	11784	254.	4.71	34.794	9.8
11774	2393.	3.03	34.968	13.5	11785	2728.	2.81	34.959	16.4
11774	1854.	3.24	34.953	12.6	11785	2105.	3.10	34.958	13.3
11774	1200.	3.57	34.910	10.9	11785	1401.	3.46	34.928	11.5
11774	697.	3.98	34.909	10.7	11785	1096.	3.52	34.897	10.7
11774	298.	5.07	34.851	9.5	11785	271.	4.95	34.832	10.1
11775	3415.	2.69	34.936	17.0	11785	11.	8.76	34.821	0.8
11775	2810.	2.93	34.949	14.6	11786	3919.	2.80	34.949	17.9
11775	2205.	3.25	34.941	13.1	11786	3509.	2.78	34.951	17.6
11775	1249.	3.35	34.873	10.1	11786	2753.	2.83	34.952	15.7
11775	696.	3.68	34.875	10.1	11786	1497.	3.47	34.927	11.3
11775	296.	4.58	34.834	10.0	11786	1098.	3.53	34.895	10.4
11778	3825.	2.60	34.925	16.9	11786	397.	4.51	34.870	10.0
11778	3251.	2.84	34.959	16.6	11787	1551.	3.44	34.932	11.5
11778	2495.	3.14	34.940	13.7	11787	1199.	3.49	34.893	10.4
11778	1750.	3.41	34.909	10.9	11787	799.	3.86	34.908	10.5
11778	1195.	3.50	34.887	10.0	11787	397.	4.37	34.853	10.5
11778	495.	4.14	34.884	9.9	11787	198.	5.72	34.877	8.6
11779	3047.	2.89	34.949	15.1	11787	10.	8.96	34.785	0.6
11779	2497.	3.23	34.938	13.0	11788	2384.	2.95	34.952	10.8
11779	1801.	3.45	34.904	10.8	11788	1849.	3.45	34.948	11.5
11779	1298.	3.62	34.899	10.1	11788	1402.	3.32	34.873	10.0
11779	478.	5.29	34.853	10.0	11788	848.	3.66	34.888	10.1
11779	98.	9.98	35.319	0.7	11788	346.	4.99	34.888	9.3
11782	1856.	3.15	34.956	12.5	11788	10.	9.30	34.891	0.2
11782	1476.	3.36	34.932	11.7	11789	3497.	2.79	34.950	17.5
11782	1179.	3.49	34.916	10.3	11789	3012.	2.89	34.951	15.5
11782	928.	3.61	34.902	10.1	11789	1705.	3.46	34.916	11.3
11782	632.	3.82	34.883	9.9	11789	1303.	3.45	34.889	10.3
11782	238.	4.77	34.802	8.9	11789	750.	4.04	34.922	10.4
11783	1838.	3.30	34.950	11.9	11789	11.	10.60	35.112	0.2
11783	1608.	3.39	34.941	11.3	11791	4132.	2.68	34.930	16.8
11783	1405.	3.47	34.919	10.6	11791	3522.	2.76	34.943	16.4
11783	903.	3.69	34.898	10.0	11791	3015.	2.99	34.956	14.3
11783	301.	4.61	34.829	9.9	11791	2511.	3.19	34.948	12.7
11783	103.	7.20	34.978	8.3	11791	1403.	3.40	34.879	9.7
					11791	298.	5.55	34.865	9.9