

Woods Hole Oceanographic Institution



Hydrographic Data from *R.V. Endeavor* Cruise 129

by

George P. Knapp

September 1988

Technical Report

Funding was provided by the National Science Foundation
under grant Number OCE 84-14243.

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George P. Knapp

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Woods Hole, Massachusetts 02543

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Robert C. Beardsley

Robert C. Beardsley, Chairman
Physical Oceanography



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ABSTRACT

Hydrographic and CTD data collected during R.V. Endeavor cruise 129 are presented. These data include temperature, salinity and dissolved oxygen observed at standard levels by a Neil Brown Instrument Systems' CTD-O₂ profiler and salinity, dissolved oxygen, silica, phosphate and nitrate values at the observed depths of the collected water samples. Ninety-two stations were occupied on two short sections within the Caribbean and one long meridional section at (nominally) 64° West from the British Virgin Islands to the 200 m depth contour south of Newfoundland. Also presented are a series of sectional profiles of the six observed parameters as a function of depth.

HYDROGRAPHIC DATA FROM R.V. ENDEAVOR CRUISE # 129

Data Report
by
George P. Knapp

GENERAL DESCRIPTION OF WORK

This report tabulates the hydrographic and CTD data obtained during the R.V. Endeavor cruise 129. During April, 1985, 92 stations were occupied on two short sections within the Caribbean Sea and one long meridional section at (nominally) 64° West. The short sections ran across the Jungfern Passage to the west of St. Croix and the Virgin Island Basin north of St. Croix, and the long section runs from the British Virgin Islands to the 200 m depth contour south of Newfoundland. On each station a Neil Brown Instrument Systems' Conductivity-Temperature-Depth-Oxygen Profiler (CTD-O₂) equipped with a General Oceanics Co. rosette sampler with 24 1.2 liter Niskin bottles and a bottom finding pinger was lowered to within 20 meters of the bottom. During the station pressure, temperature, conductivity and dissolved oxygen were measured continuously. Water samples were collected at selected depths for calibration of the CTD-O₂ salinity and oxygen sensors and for the analysis of silica, phosphate and nitrate. In addition, tritium-He³ samples were collected at selected stations for later analysis ashore. (That data is not included in this report. Contact W. Jenkins, WHOI, for further information.)

Water-sample salinities were measured on a Guildline Model 8400A Autosol salinometer installed in a portable laboratory that is capable of maintaining temperature to within ±1° C (Knapp and Stalcup, 1987). A single batch of I.A.P.S.O. standard water was used for the entire cruise: Batch P-93. All salinities have been corrected for the difference between this batch and the PSS78 KCl standard, as recommended by Mantyla (1987), and the resulting accuracy is ±0.001 p.s.u. (practical salinity units). Dissolved oxygen values were determined by a modified Winkler titration method (Carpenter, 1965) with a colorimetric endpoint determination. Standardizations were performed with 0.01N potassium iodide solutions that were prepared prior to the cruise. Accuracy of the oxygen values is considered to be ±0.04 ml/l. Silica, phosphate and nitrate analyses were performed at sea on a Technicon AutoAnalyzer using standard solutions prepared aboard ship from preweighed standards. The final phosphate values are accurate to ±1%, and the silica and nitrate values to ±2%. The temperature sensor on the CTD-O₂ was calibrated before and after the cruise and is believed accurate to ±.002° C. The raw data from the tem-

perature, conductivity and oxygen sensors were processed by the standard techniques of the W.H.O.I. CTD Group (Millard, 1982). Both the final CTD-O₂ data set (sorted by 2 db intervals) and the nutrient data set have been submitted to the National Oceanographic Data Center.

The CTD-O₂ and hydrographic data in this report are presented in two separate formats. The first listing on each page is the CTD-O₂ temperature, salinity and oxygen values at standard pressures obtained during the down-cast. These values are the average of a six decibar segment of the water column, centered on the standard pressure. Following the oxygen column are calculated variables, based on the 1980 equation of state of seawater (Fofonoff and Millard, 1984): potential temperature, density relative to 0, 1500 and 3000 db, dynamic height, Brunt-Vaisala period and depth.

The second listing on each page contains the water sample data obtained during the upcast of the station along with the pressure and temperature from the CTD.

Also presented are sectional profiles showing the six observed properties as a function of depth for each of the three sections. Vertical distortion of the two short Caribbean sections is 100:1 and of the 64°W section is 500:1. The bathymetry between stations was recorded continuously during the cruise, and is plotted here at approximately four nautical mile intervals. The dots on the nutrient profiles represent bottle positions.

ACKNOWLEDGEMENTS

Appreciation is extended to the officers and crew of the R/V Endeavor for their cooperation and excellent seamanship exhibited during the cruise. Thanks are also expressed to the University of Rhode Island's URI/GSO Marine Technician group under the direction of Mr. William Hahn. This work was generously supported by the National Science Foundation grant no. OCE84-14243.

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- Mantyla, A.W., 1987. Standard Seawater Comparisons Updated. *J. Phys. Oceanogr.*, 17, 543-548.
- Millard, R.C., Jr. 1982. CTD Calibration and Data Processing Techniques Using the 1978 Practical Salinity Scale. Proc. International STD Conf. and Workshop, Mar. Tech. Soc.

Table 1

Dates, Itinerary, and List of Participants

Bridgetown, Barbados - Woods Hole, Mass.
9 April - 30 April 1985

=====

* Dr. Michael S. McCartney, Chief Scientist
Ms. Margaret M. Francis
Mr. George P. Knapp
Ms. Siobhan Knuttel
Mr. Joseph C. Jennings, Oregon State University
Ms. Margaret Sparrow, Oregon State University
Mr. David Nelson, University of Rhode Island
Mr. Jan Szelag, University of Rhode Island

* Replaced Dr. Henry M. Stommel due to illness

Table 2

Station Nos., Date and Position

Sta.	Date	Time (GMT)	Latitude (N)	Longitude (W)
2	85/04/11	1225	16°31.55'	65°00.77'
3	85/04/11	1810	16°33.46'	65°00.86'
4	85/04/12	412	17°35.09'	65°37.02'
5	85/04/12	646	17°35.01'	65°29.12'
6	85/04/12	852	17°35.02'	65°20.89'
7	85/04/12	1138	17°34.84'	65°13.08'
8	85/04/12	1510	17°34.66'	65°00.00'
9	85/04/12	1732	17°35.17'	64°57.80'
10	85/04/12	2010	17°48.58'	64°52.62'
11	85/04/12	2109	17°52.67'	64°51.84'
12	85/04/13	113	17°58.87'	64°51.92'
13	85/04/13	458	18° 4.91'	64°51.88'
14	85/04/13	814	18°12.71'	64°52.28'
15	85/04/13	1426	18°47.47'	64°29.90'
16	85/04/13	1522	18°49.92'	64°30.62'
17	85/04/13	1730	18°54.88'	64°29.96'
18	85/04/13	2009	18°59.96'	64°29.97'
19	85/04/14	49	19°14.91'	64°29.81'
20	85/04/14	632	19°30.01'	64°29.91'
21	85/04/14	1251	19°45.93'	64°30.05'
22	85/04/14	1821	19°59.88'	64°29.86'
23	85/04/15	102	20°29.92'	64°30.14'
24	85/04/15	637	20°59.87'	64°29.56'
25	85/04/15	1230	21°29.90'	64°30.11'
26	85/04/15	1830	21°59.94'	64°29.89'
27	85/04/16	28	22°29.94'	64°30.08'
28	85/04/16	625	22°59.89'	64°29.87'
29	85/04/16	1245	23°29.94'	64°30.12'
30	85/04/16	1820	23°59.09'	64°29.94'
31	85/04/17	12	24°29.78'	64°30.00'
32	85/04/17	555	24°59.67'	64°29.67'
33	85/04/17	1159	25°29.99'	64°29.55'
34	85/04/17	1708	26° 0.00'	64°29.42'
35	85/04/17	2255	26°29.94'	64°29.75'
36	85/04/18	430	26°59.44'	64°30.47'
37	85/04/18	1041	27°29.90'	64°30.14'
38	85/04/18	1610	28° 0.00'	64°30.23'
39	85/04/18	2217	28°30.05'	64°30.16'
40	85/04/19	350	29° 0.48'	64°29.92'
41	85/04/19	915	29°20.24'	64°29.91'
42	85/04/19	1350	29°39.98'	64°29.85'
43	85/04/19	1840	29°59.98'	64°29.79'
44	85/04/19	2339	30°20.15'	64°30.01'
45	85/04/20	347	30°39.93'	64°29.85'
46	85/04/20	818	30°59.87'	64°29.95'

Table 2 (cont'd.)

Sta.	Date	Time (GMT)	Latitude (N)	Longitude (W)
47	85/04/20	1238	31°19.92'	64°29.98'
48	85/04/20	1647	31°39.96'	64°30.00'
49	85/04/20	2154	32° 0.09'	64°20.88'
50	85/04/21	200	32°19.90'	64°12.02'
51	85/04/21	610	32°40.13'	64° 3.85'
52	85/04/21	1051	32°59.40'	63°48.47'
53	85/04/21	1501	33°19.91'	63°45.03'
54	85/04/21	1945	33°40.08'	63°35.44'
55	85/04/22	10	33°59.96'	64°27.03'
56	85/04/22	435	34°20.00'	63°18.00'
57	85/04/22	923	34°39.96'	63° 8.80'
58	85/04/22	1350	34°59.89'	63° 0.02'
59	85/04/22	1800	35°20.06'	63° 0.03'
60	85/04/22	2232	35°40.44'	63° 0.13'
61	85/04/23	228	35°59.73'	62°59.74'
62	85/04/23	724	36°19.99'	63° 0.27'
63	85/04/23	1213	36°39.83'	63° 0.05'
64	85/04/23	1718	36°59.95'	63° 0.13'
65	85/04/23	2240	37°19.87'	63° 0.11'
66	85/04/24	325	37°39.92'	63° 0.12'
67	85/04/24	946	37°59.78'	63° 0.03'
68	85/04/24	1625	38°20.23'	62°58.66'
69	85/04/25	3	38°31.64'	62°59.35'
70	85/04/25	455	38°39.95'	63° 0.01'
71	85/04/25	1005	38°50.04'	62°59.81'
72	85/04/25	1408	38°59.97'	62°59.79'
73	85/04/25	1809	39° 9.91'	63° 0.01'
74	85/04/25	2210	39°19.90'	63° 0.01'
75	85/04/26	218	39°30.01'	63° 0.02'
76	85/04/26	615	39°29.94'	63° 0.01'
77	85/04/26	1020	39°39.93'	62°59.90'
78	85/04/26	1352	39°49.83'	62°59.96'
79	85/04/26	1730	39°59.75'	63° 9.92'
80	85/04/26	2223	40°10.79'	63°19.90'
81	85/04/27	150	40°20.00'	63°29.92'
82	85/04/27	520	40°29.14'	63°40.20'
83	85/04/27	925	40°45.01'	63°39.98'
84	85/04/27	1316	40°59.92'	63°40.08'
85	85/04/27	1644	41°14.94'	63°40.71'
86	85/04/27	2012	41°29.92'	63°40.03'
87	85/04/27	2320	41°44.91'	63°39.96'
88	85/04/28	229	41°59.89'	63°40.25'
89	85/04/28	545	42°14.46'	63°40.19'
90	85/04/28	912	42°30.55'	63°40.01'
91	85/04/28	1133	42°41.42'	63°40.19'
92	85/04/28	1317	42°46.57'	63°39.78'
93	85/04/28	1421	42°48.50'	63°39.78'

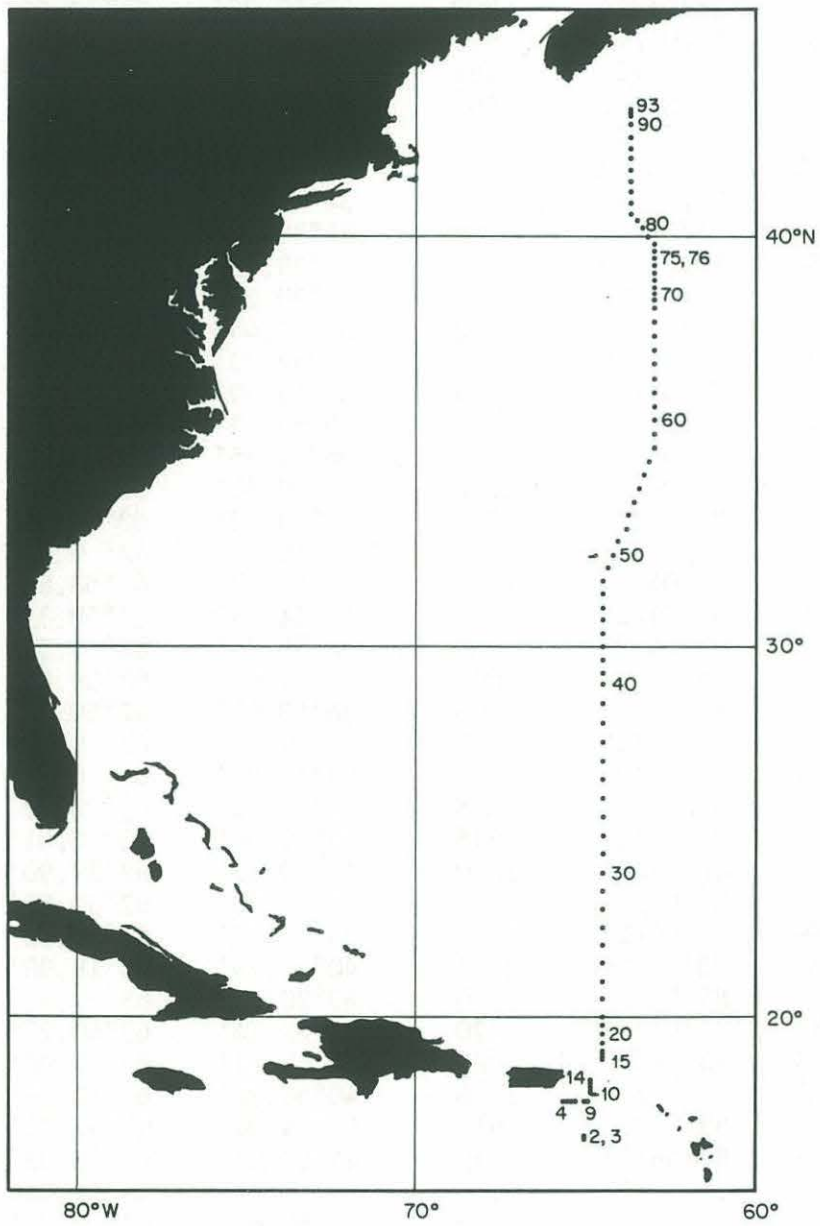


Figure 1 - Map of Station Positions

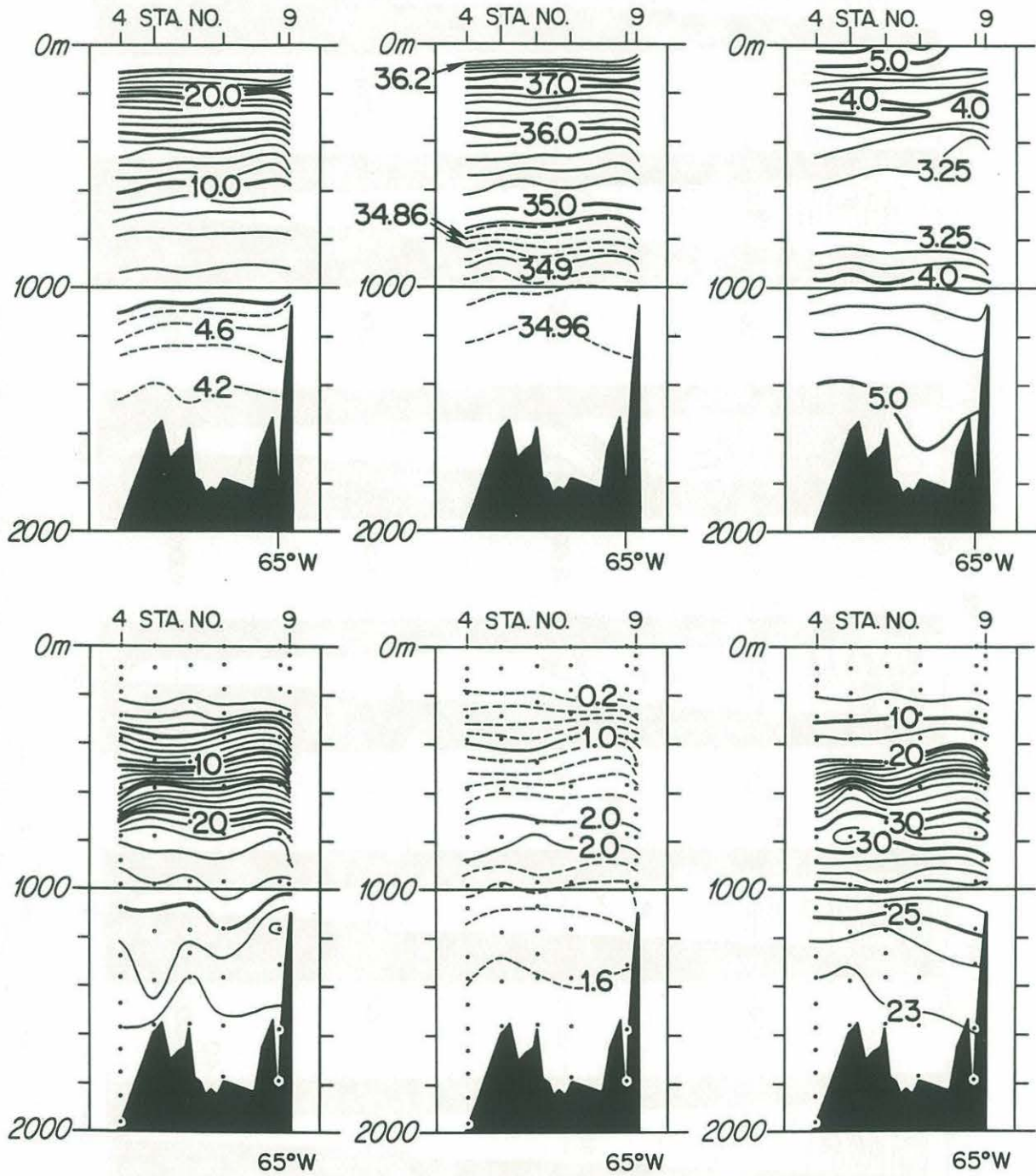


Figure 2 - Jungfern Passage Profiles
 Temperature, Salinity, Oxygen,
 Silica, Phosphate, Nitrate

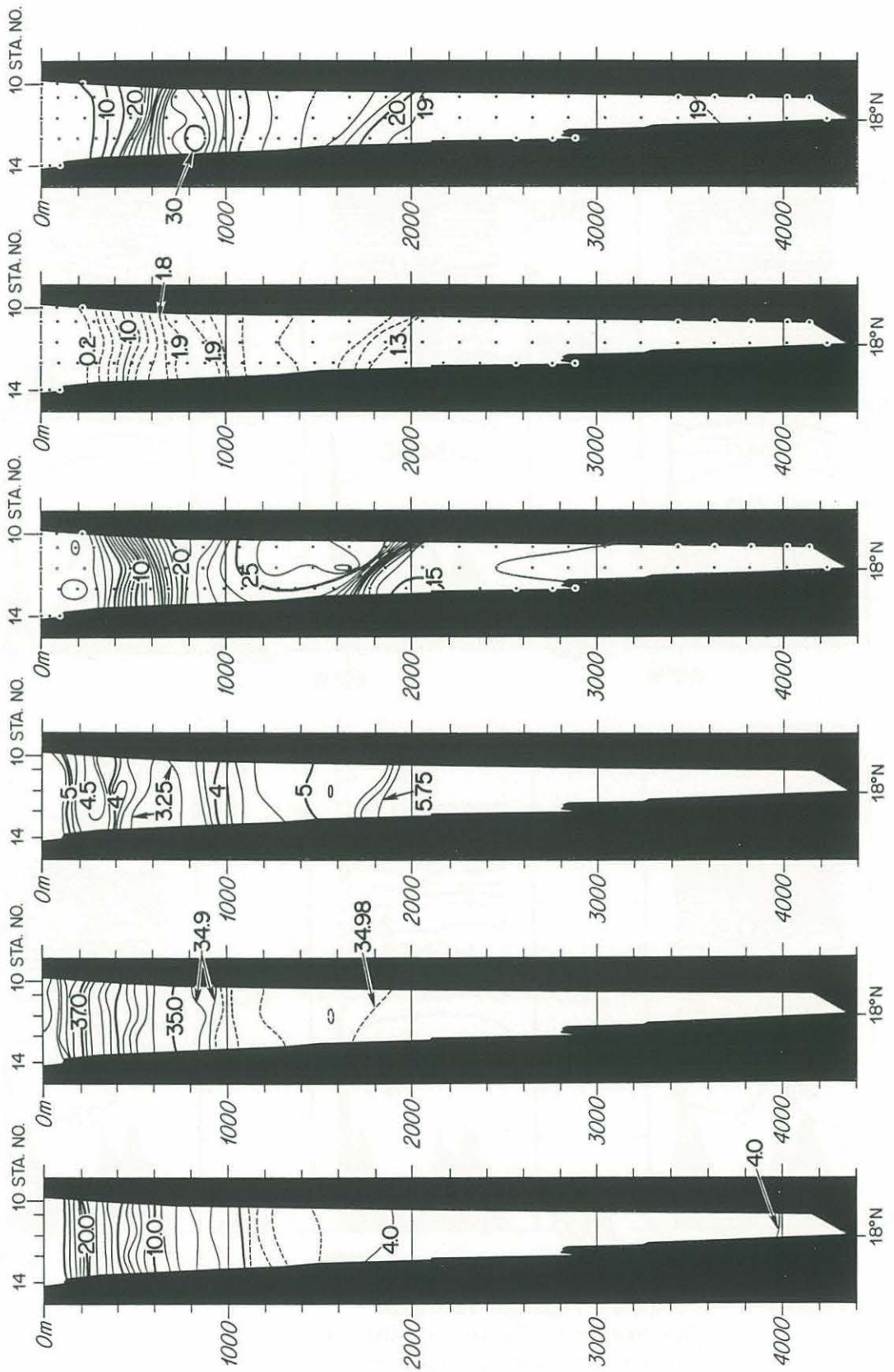


Figure 3 - Virgin Island Basin Profiles
 Temperature, Salinity, Oxygen, Silica, Phosphate, Nitrate

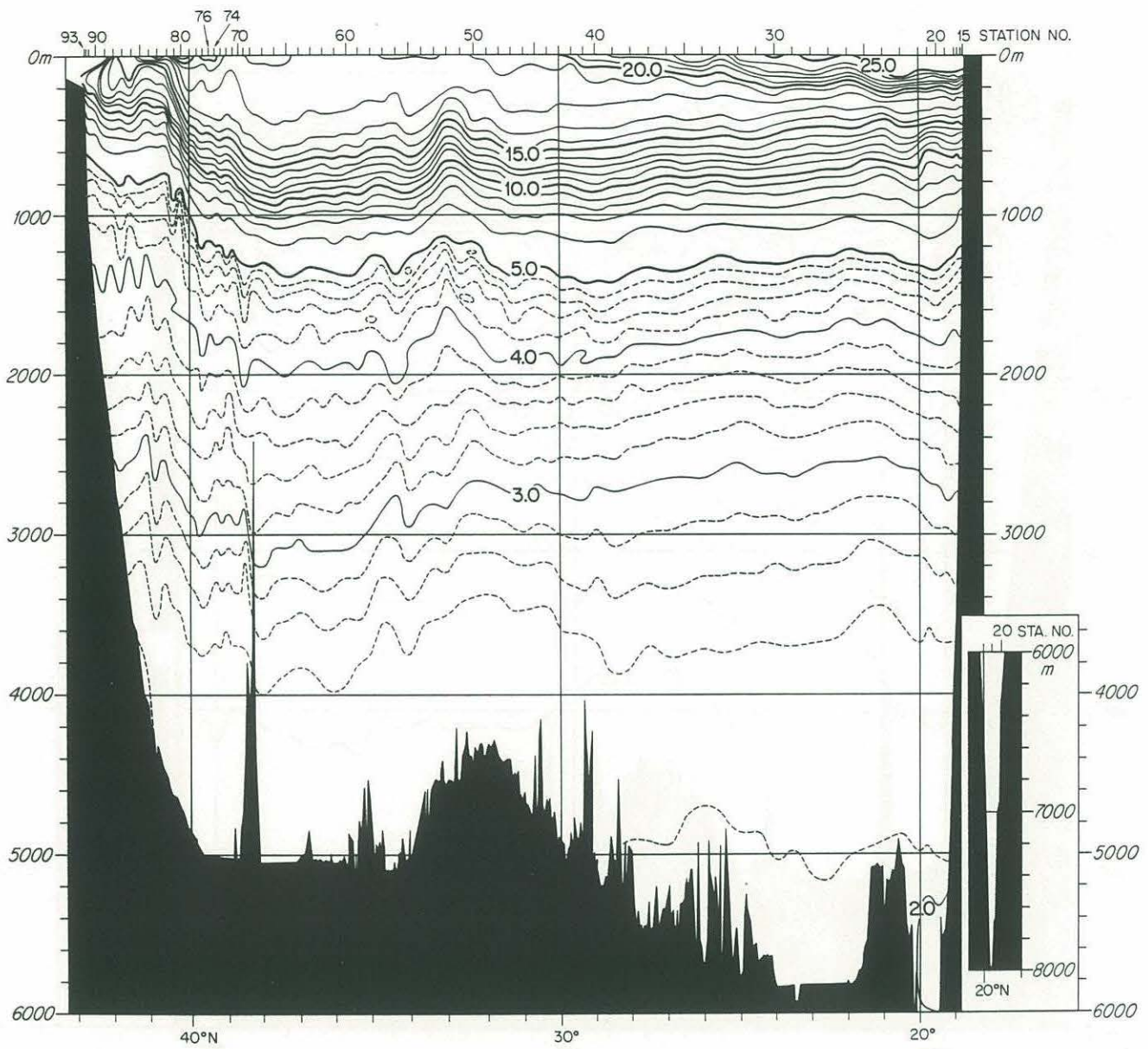


Figure 4 - 64°W Profile - Temperature

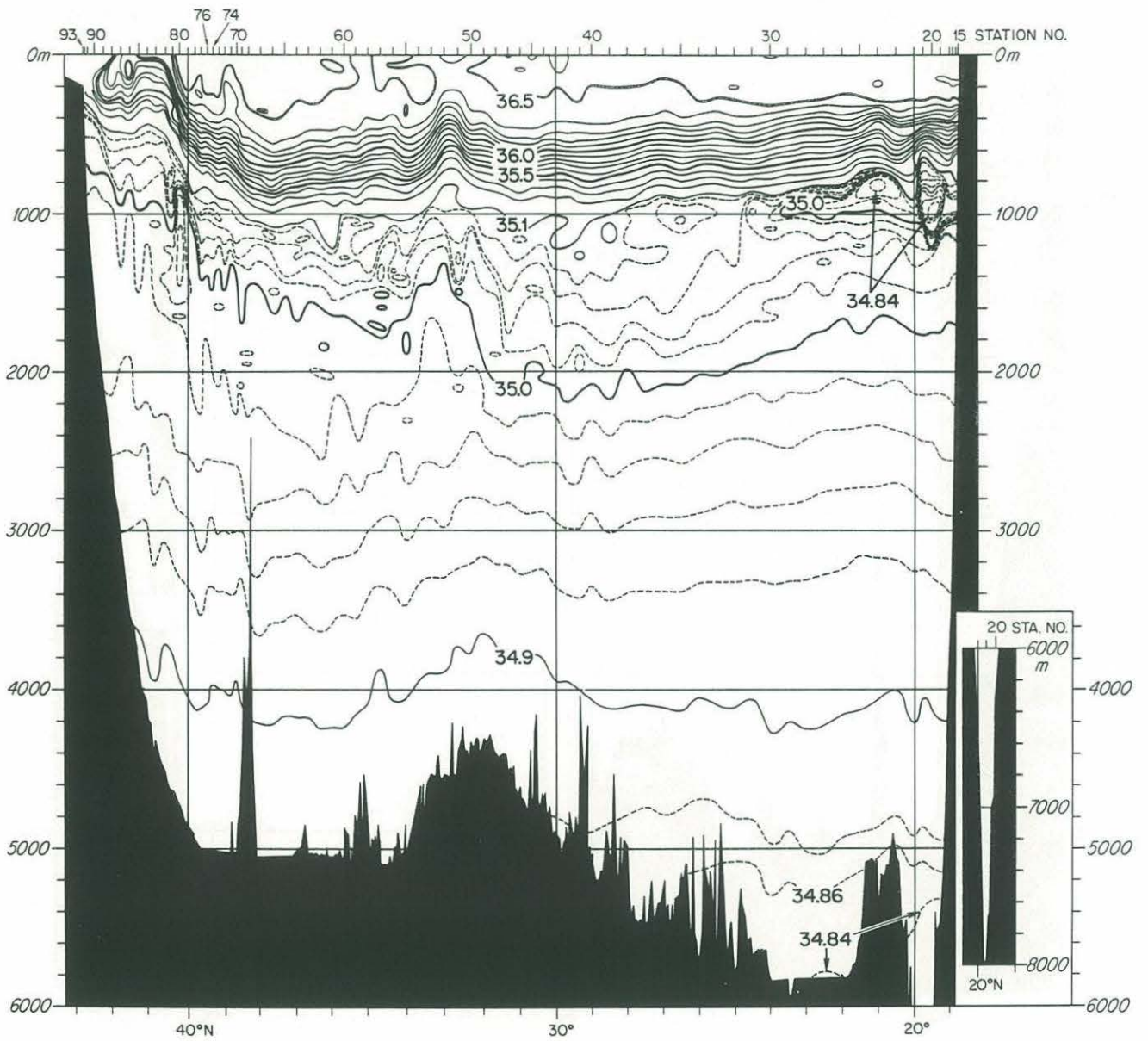


Figure 5 - 64°W Profile - Salinity

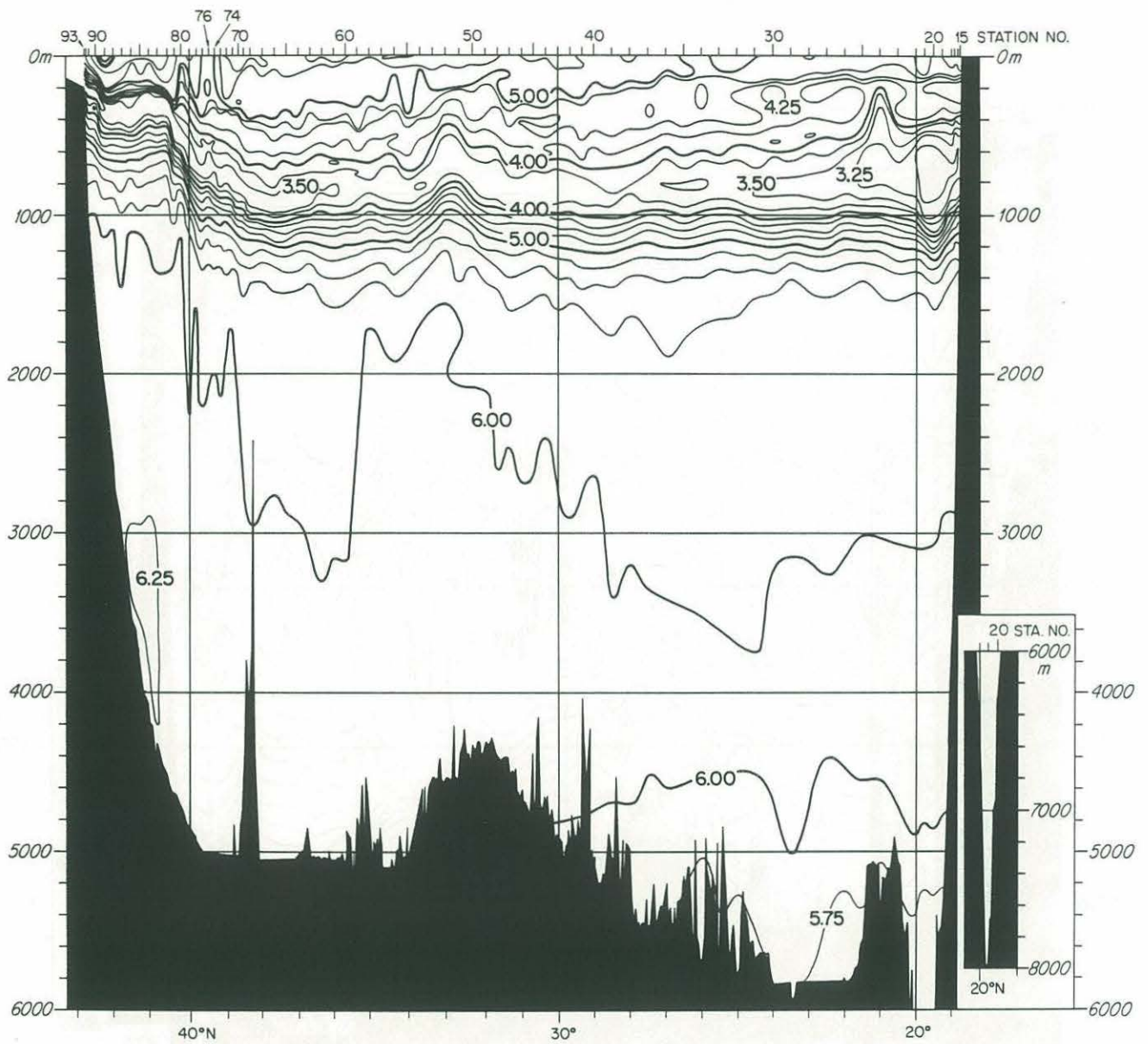


Figure 6 - 64°W Profile - Oxygen

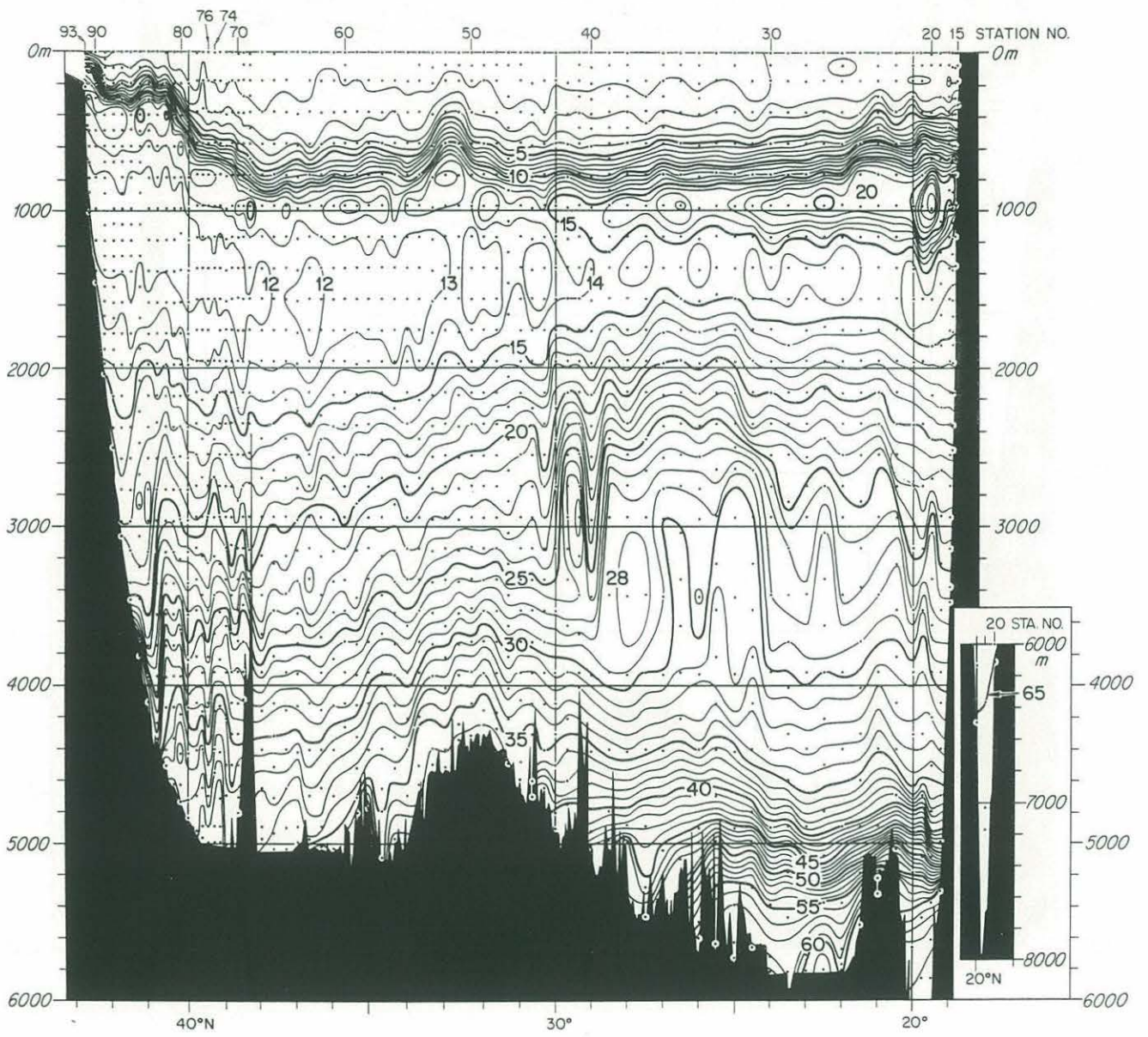


Figure 7 - 64°W Profile - Silica

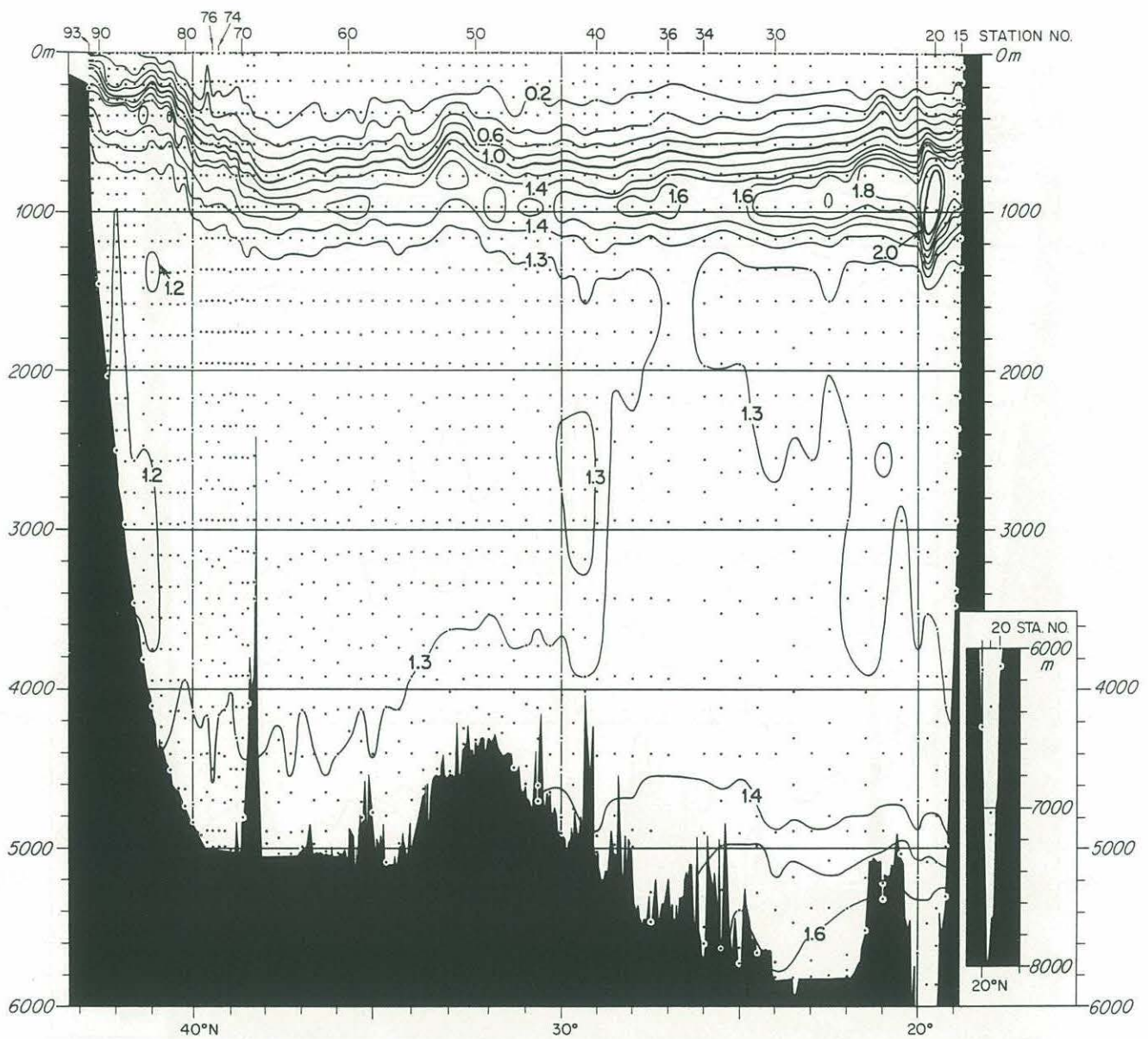


Figure 8 - 64°W Profile - Phosphate

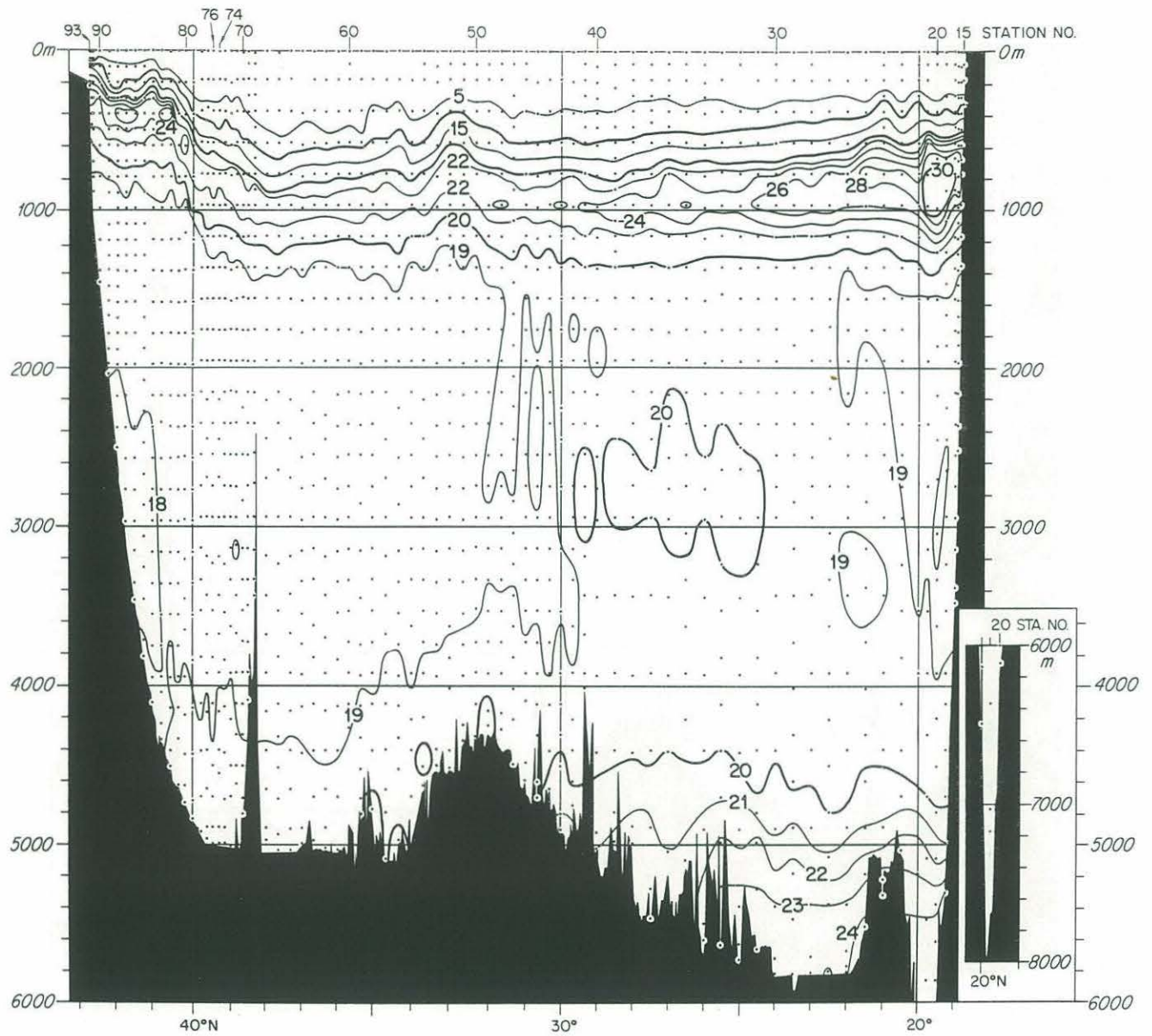


Figure 9 - 64°W Profile - Nitrate

ENDEAVOR 129 STA= 2 LAT= 16 31.5N LON= 65 0.8W SONIC DEPTH= 4100m
 DATE 11/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	26.050	36.074	5.14	26.049	23.830	30.067	36.103	0.012	1.05	3
25	26.023	36.090	5.10	26.018	23.852	30.090	36.126	0.102	2.17	25
50	25.938	36.143	5.10	25.927	23.921	30.159	36.196	0.203	4.77	50
75	25.801	36.311	5.02	25.784	24.092	30.332	36.370	0.301	5.19	75
100	25.559	36.616	4.84	25.537	24.400	30.642	36.682	0.393	5.96	99
150	23.422	37.030	4.49	23.391	25.362	31.642	37.719	0.554	8.57	149
200	20.233	36.807	3.88	20.195	26.090	32.441	38.586	0.666	4.86	199
250	18.010	36.455	3.77	17.967	26.396	32.803	39.001	0.760	4.42	248
300	15.876	36.102	3.69	15.829	26.636	33.101	39.353	0.839	3.46	298
350	14.136	35.798	3.41	14.084	26.787	33.302	39.603	0.910	2.80	348
400	12.869	35.593	3.26	12.814	26.891	33.444	39.781	0.976	2.58	397
450	11.628	35.400	3.15	11.570	26.982	33.574	39.948	1.037	2.08	447
500	10.679	35.264	3.09	10.618	27.050	33.673	40.076	1.095	2.30	496
600	8.831	35.013	3.04	8.765	27.166	33.851	40.314	1.202	1.85	596
700	7.470	34.856	3.09	7.400	27.249	33.983	40.492	1.300	1.92	695
800	6.440	34.802	3.31	6.365	27.349	34.120	40.664	1.389	1.99	794
900	5.867	34.866	3.73	5.786	27.474	34.265	40.829	1.467	2.11	893
1000	5.251	34.902	4.17	5.165	27.579	34.392	40.977	1.534	1.75	992
1200	4.537	34.956	4.73	4.438	27.704	34.544	41.155	1.647	1.14	1189
1400	4.254	34.965	4.92	4.140	27.744	34.595	41.217	1.748	0.69	1387
1600	4.159	34.970	5.00	4.028	27.760	34.616	41.242	1.847	0.51	1584
1800	4.110	34.973	5.06	3.961	27.769	34.627	41.256	1.947	0.37	1782
2000	4.089	34.974	5.08	3.920	27.774	34.634	41.264	2.050	0.29	1979
2200	4.084	34.974	5.09	3.895	27.777	34.638	41.269	2.155	0.22	2176
2400	4.090	34.975	5.09	3.881	27.779	34.641	41.272	2.264	0.20	2372
2600	4.102	34.976	5.10	3.871	27.781	34.642	41.274	2.377	0.17	2569
2800	4.119	34.977	5.10	3.866	27.782	34.644	41.276	2.494	0.13	2765
3000	4.138	34.977	5.09	3.863	27.782	34.644	41.277	2.614	0.11	2961
3200	4.158	34.977	5.10	3.860	27.783	34.645	41.277	2.739	0.09	3157
3400	4.180	34.977	5.12	3.857	27.783	34.645	41.278	2.867	0.08	3353
3600	4.202	34.977	5.12	3.856	27.783	34.646	41.278	2.999	0.07	3549
3800	4.225	34.978	5.12	3.854	27.784	34.647	41.279	3.136	0.12	3744
4000	4.251	34.978	5.14	3.854	27.784	34.647	41.279	3.276	0.07	3939
4169	4.273	34.979	5.13	3.854	27.785	34.647	41.280	3.398	0.13	4104

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
5	26.112	36.074	4.97	2.0	0.12	0.0	26.111	23.811	36.081	5
84	25.646	36.492	4.82	1.8	0.12	0.0	25.628	24.278	36.558	83
183	20.409	36.837	4.00	2.5	0.36	5.4	20.375	26.065	38.552	182
238	18.521	36.545	3.97	3.3	0.54	8.1	18.478	26.337	38.916	236
383	13.087	35.631	3.51	8.9	1.33	19.4	13.033	26.876	39.753	380
581	9.025	35.035	3.18	17.1	1.96	28.3	8.960	27.152	40.287	577
782	6.554	34.805	3.37	24.3	2.20	31.6	6.480	27.336	40.643	776
981	5.318	34.897	4.19	26.3	1.98	27.2	5.233	27.566	40.960	973
1181	4.587	34.954	4.75	27.0	1.81	24.2	4.490	27.697	41.144	1171
1381	4.291	34.965	5.04	28.2	1.74	23.2	4.178	27.740	41.210	1369
1581	4.183	34.971	5.03	28.3	1.71	22.6	4.053	27.758	41.238	1567
1783	4.126	34.975	5.11	28.4	1.65	22.3	3.978	27.769	41.254	1765
1983	4.098	34.982	5.27	28.7	1.65	22.2	3.931	27.779	41.268	1963
2179	4.095	34.976	5.12	28.9	1.65	22.1	3.908	27.777	41.268	2156
2383	4.099	34.976	5.04	29.2	1.62	22.1	3.891	27.779	41.271	2356
2584	4.110	34.978	5.07	29.3	1.62	22.2	3.881	27.781	41.274	2554
2787	4.127	34.976	5.10	29.5	1.60	22.1	3.875	27.780	41.274	2754
2985	4.146	34.977	5.07	29.6	1.60	22.1	3.872	27.781	41.275	2948
3185	4.166	34.976	5.12	29.6	1.62	22.1	3.869	27.781	41.275	3144
3388	4.187	34.976	5.12	29.7	1.60	22.2	3.866	27.781	41.275	3343
3588	4.210	34.976	5.14	29.6	1.59	22.1	3.865	27.781	41.276	3539
3792	4.233		5.11	29.6	1.58	22.1				3737
3989	4.258	34.978	5.14	29.7	1.59	22.1	3.862	27.783	41.278	3930
4169	4.282	34.979	5.08	29.6	1.58	22.2	3.863	27.784	41.278	4106

ENDEAVOR 129 STA= 3 LAT= 16 33.5N LON= 65 0.9W SONIC DEPTH= 4119m
 DATE 11/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
5	26.195	36.071	5.06	26.194	23.782	30.017	36.049	0.021	2.36	5
25	26.105	36.085	4.98	26.100	23.823	30.059	36.093	0.103	2.49	25
50	25.951	36.123	5.04	25.940	23.901	30.140	36.177	0.204	4.23	50
75	25.787	36.250	4.99	25.770	24.051	30.291	36.330	0.303	4.80	75
100	25.389	36.477	4.96	25.367	24.347	30.593	36.638	0.397	5.59	99
150	23.590	36.971	4.55	23.559	25.267	31.545	37.620	0.562	9.02	149
200	20.064	36.781	4.11	20.027	26.115	32.471	38.619	0.675	4.65	199
250	17.874	36.431	4.08	17.831	26.411	32.822	39.023	0.767	4.28	248
300	16.249	36.174	4.09	16.200	26.606	33.060	39.303	0.847	2.90	298
350	14.466	35.850	3.72	14.413	26.756	33.261	39.553	0.921	3.22	348
400	13.096	35.637	3.57	13.040	26.879	33.425	39.756	0.987	2.73	397
450	11.837	35.437	3.39	11.778	26.972	33.557	39.925	1.049	2.52	447
500	10.704	35.267	3.32	10.642	27.049	33.671	40.073	1.107	2.21	496
600	8.829	35.012	3.28	8.763	27.166	33.851	40.314	1.214	1.96	596
700	7.359	34.852	3.34	7.289	27.262	33.999	40.512	1.311	1.89	695
800	6.493	34.828	3.52	6.418	27.363	34.131	40.674	1.399	1.87	794
900	5.856	34.860	3.88	5.775	27.471	34.262	40.826	1.477	2.01	893
1000	5.390	34.928	4.34	5.303	27.582	34.390	40.970	1.546	1.81	992
1200	4.584	34.960	4.87	4.485	27.702	34.540	41.150	1.658	1.15	1189
1400	4.289	34.970	4.98	4.175	27.744	34.594	41.215	1.760	0.70	1387
1600	4.184	34.975	5.06	4.052	27.761	34.616	41.241	1.859	0.53	1584
1800	4.123	34.978	5.13	3.973	27.771	34.629	41.257	1.959	0.42	1782
2000	4.100	34.979	5.15	3.931	27.777	34.636	41.266	2.061	0.31	1979
2200	4.095	34.979	5.16	3.906	27.779	34.640	41.270	2.166	0.23	2176
2400	4.099	34.979	5.14	3.889	27.781	34.642	41.273	2.275	0.18	2372
2600	4.111	34.979	5.15	3.880	27.782	34.644	41.275	2.388	0.15	2569
2800	4.127	34.979	5.14	3.874	27.783	34.645	41.276	2.504	0.12	2765
3000	4.146	34.979	5.15	3.870	27.783	34.645	41.277	2.624	0.11	2961
3200	4.166	34.979	5.15	3.867	27.784	34.646	41.278	2.749	0.08	3157
3400	4.187	34.979	5.14	3.865	27.784	34.646	41.278	2.877	0.08	3353
3600	4.209	34.980	5.15	3.863	27.784	34.646	41.279	3.009	0.08	3549
3800	4.233	34.980	5.14	3.861	27.785	34.647	41.279	3.146	0.07	3744
4000	4.258	34.980	5.14	3.861	27.785	34.647	41.279	3.286	-0.02	3939
4179	4.282	34.980	5.12	3.861	27.785	34.647	41.279	3.416	0.04	4114

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
12	26.188	36.091	4.89				26.185	23.801	36.068	12
108	25.286	36.498	4.95				25.263	24.395	36.689	107
204	20.583	36.861	4.15				20.545	26.037	38.517	202
304	16.489	36.208	4.02				16.440	26.576	39.260	302
402	13.233	35.668	3.58				13.176	26.876	39.744	400
603	8.635	34.987	3.17				8.570	27.177	40.338	598
803	6.436	34.837	3.59				6.361	27.377	40.692	797
1002	5.352	34.928	4.38				5.266	27.587	40.978	994
1202	4.574	34.953	4.81				4.475	27.698	41.146	1192
1403	4.296	34.967	5.05				4.181	27.741	41.211	1390
1602	4.184	34.973	5.08				4.052	27.759	41.239	1587
1802	4.119	34.976	5.08				3.969	27.771	41.257	1784
2002	4.098	34.974	4.99				3.928	27.773	41.263	1982
2202	4.093	34.979	5.19				3.903	27.780	41.271	2178
2405	4.098	34.976	5.26				3.888	27.779	41.271	2378
2603	4.111	34.982	5.14				3.879	27.785	41.278	2573
2806	4.128	34.977	5.15				3.874	27.781	41.275	2772
3005	4.146	34.978	5.15				3.870	27.782	41.276	2967
3206	4.166	34.980	5.20				3.867	27.784	41.278	3164
3406	4.188	34.978	5.11				3.864	27.783	41.277	3360
3606	4.210	34.977	5.12				3.863	27.782	41.277	3556
3809	4.234	34.976	5.14				3.861	27.782	41.276	3754
4009	4.259	34.981	5.14				3.861	27.786	41.280	3949
4187	4.282	34.978	5.10				3.861	27.783	41.278	4123

ENDEAVOR 129 STA= 4 LAT= 17 35.1N LON= 65 37.0W SONIC DEPTH= 1914m
 DATE 12/ 4/84

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	25.929	36.135	5.07	25.928	23.914	30.153	36.190	0.004	1.64	1
25	25.932	36.159	5.04	25.926	23.933	30.171	36.208	0.099	2.05	25
50	25.748	36.140	5.04	25.737	23.978	30.220	36.260	0.199	2.36	50
75	25.647	36.137	4.99	25.630	24.008	30.253	36.295	0.297	3.49	75
100	25.288	36.576	4.84	25.266	24.453	30.700	36.746	0.391	7.56	99
150	23.763	37.033	4.54	23.732	25.263	31.537	37.607	0.549	7.52	149
200	21.140	36.931	4.14	21.102	25.938	32.268	38.392	0.668	5.58	199
250	18.318	36.528	3.85	18.274	26.375	32.774	38.964	0.763	4.04	248
300	16.994	36.339	4.18	16.944	26.557	32.990	39.213	0.845	3.07	298
350	15.484	36.061	3.75	15.429	26.695	33.171	39.434	0.921	3.13	348
400	14.087	35.853	3.67	14.028	26.841	33.357	39.658	0.990	2.24	397
450	13.251	35.710	3.54	13.187	26.906	33.447	39.772	1.055	2.30	447
500	12.077	35.528	3.43	12.010	26.998	33.575	39.935	1.117	2.23	496
600	10.166	35.244	3.23	10.094	27.127	33.766	40.185	1.230	1.96	596
700	8.509	35.014	3.16	8.434	27.219	33.915	40.388	1.333	1.99	695
800	6.954	34.862	3.29	6.876	27.327	34.079	40.605	1.425	1.91	794
900	6.320	34.887	3.62	6.237	27.433	34.207	40.755	1.508	2.01	893
1000	5.632	34.931	4.12	5.543	27.556	34.355	40.927	1.580	1.82	992
1200	4.657	34.957	4.75	4.558	27.692	34.527	41.134	1.699	1.34	1189
1400	4.262	34.968	5.00	4.148	27.745	34.596	41.218	1.800	0.77	1387
1600	4.063	34.974	5.17	3.933	27.773	34.633	41.262	1.898	0.57	1584
1800	4.027	34.974	5.12	3.878	27.778	34.640	41.271	1.995	0.19	1782
1993	4.041	34.974	5.03	3.873	27.779	34.640	41.272	2.092	0.15	1972

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
4	25.917	36.150	5.17	1.3	0.06	0.0	25.916	23.929	36.205	4
45	25.757		5.22							45
93	25.268	36.547	5.03	1.2	0.05	0.1	25.248	24.437	36.731	93
144	23.692	37.042	4.67	1.0	0.10	1.0	23.661	25.291	37.638	143
194	20.832	36.896	4.26	1.5	0.22	3.6	20.794	25.996	38.464	193
244	18.286	36.533	3.98				18.244	26.387	38.977	242
293	17.149	36.371	4.26	2.8	0.50	8.1	17.099	26.544	39.193	291
387	14.068	35.854	3.74	6.3	0.99	15.8	14.011	26.846	39.664	385
492	12.046	35.531	3.42				11.980	27.006	39.945	489
593	10.141	35.251	3.17	13.7	1.62	25.0	10.070	27.136	40.196	589
691	8.546	35.020	3.10	18.1	1.91	28.5	8.471	27.218	40.385	686
792	7.018	34.862	3.15	22.6	2.08	30.7	6.941	27.319	40.592	786
894	6.352	34.887	3.73	23.8	1.98	29.3	6.269	27.429	40.749	887
992	5.680	34.934	4.04	24.4	1.84	26.8	5.591	27.552	40.919	984
1088	5.111	34.948	5.10	25.0	1.75	25.4	5.018	27.632	41.041	1080
1190	4.695	34.960	4.67				4.596	27.690	41.129	1180
1294	4.385	34.967	4.83	26.3	1.64	23.4	4.280	27.730	41.193	1283
1382	4.277	34.969	4.88	26.7	1.60	23.0	4.165	27.744	41.216	1370
1491	4.166	34.977	5.06	26.1	1.55	22.3	4.045	27.763	41.244	1478
1590	4.069	34.977	5.11	27.1	1.55	22.1	3.940	27.774	41.263	1576
1684	4.044	34.978	4.48	27.5	1.54	22.1	3.907	27.779	41.270	1668
1783	4.036	34.977	5.04	28.7	1.56	22.3	3.888	27.780	41.272	1766
1883	4.044	34.979	5.07	28.6	1.55	22.3	3.888	27.781	41.274	1864
1993	4.050		5.03							1973

ENDEAVOR 129 STA= 5 LAT= 17 35.0N LON= 65 29.1W SONIC DEPTH= 1580m
 DATE 12/ 4/84

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-0 kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	25.849	36.156	5.08	25.848	23.955	30.195	36.233	0.012	-1.21	3
25	25.860	36.152	4.97	25.855	23.950	30.190	36.228	0.099	0.37	25
50	25.793	36.152	5.03	25.782	23.973	30.214	36.254	0.198	2.66	50
75	25.544	36.239	5.05	25.527	24.118	30.363	36.407	0.296	5.52	75
100	25.314	36.592	4.86	25.292	24.457	30.704	36.749	0.387	7.87	99
150	23.207	37.076	4.43	23.176	25.459	31.744	37.825	0.539	7.12	149
200	20.608	36.863	4.09	20.570	26.032	32.374	38.510	0.654	5.57	199
250	18.400	36.544	3.77	18.356	26.367	32.764	38.952	0.749	4.16	248
300	17.052	36.334	4.00	17.001	26.539	32.972	39.193	0.832	3.11	298
350	15.864	36.156	3.89	15.808	26.682	33.147	39.400	0.908	2.66	348
400	14.268	35.878	3.62	14.209	26.822	33.333	39.629	0.978	3.13	397
450	12.904	35.643	3.36	12.841	26.924	33.475	39.811	1.043	2.39	447
500	12.031	35.516	3.35	11.965	26.997	33.576	39.938	1.104	2.38	496
600	9.320	35.071	3.06	9.252	27.134	33.802	40.249	1.216	2.12	596
700	8.069	34.962	3.12	7.996	27.245	33.957	40.445	1.316	2.01	695
800	6.816	34.856	3.29	6.739	27.341	34.098	40.629	1.406	1.99	794
900	6.226	34.904	3.71	6.142	27.458	34.236	40.787	1.486	2.06	893
1000	5.471	34.938	4.20	5.383	27.581	34.385	40.963	1.556	1.84	992
1200	4.541	34.960	4.75	4.442	27.707	34.547	41.158	1.668	1.17	1189
1400	4.211	34.972	5.01	4.097	27.754	34.607	41.230	1.768	0.79	1387
1585	4.078	34.974	5.04	3.949	27.771	34.630	41.259	1.857	0.62	1570

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-0 kg/m3	SIG-3 kg/m3	DE m
1	25.842	36.143	5.00	1.3	0.04	0.0	25.841	23.948	36.226	1
94	25.465	36.527	4.75	1.3	0.04	0.0	25.444	24.361	36.648	93
196	20.822	36.898	4.02	1.5	0.20	3.4	20.784	26.000	38.469	195
293	17.259	36.389	4.00	2.7	0.48	8.3	17.210	26.531	39.174	291
391	14.554	35.941	3.50	5.4	0.91	15.0	14.495	26.809	39.600	389
478	12.478	35.589	3.86	9.0	1.23	20.2	12.413	26.967	39.880	475
595	9.311	35.072	2.91	15.3	1.78	28.3	9.244	27.135	40.251	591
791	6.861	34.860	3.14	22.6	2.04	31.6	6.785	27.338	40.623	785
993	5.496	34.938	4.09	24.1	1.78	27.0	5.409	27.578	40.958	985
1190	4.555	34.961	4.68	25.5	1.65	24.3	4.458	27.706	41.156	1180
1393	4.223	34.973	4.98	25.6	1.56	22.6	4.110	27.753	41.229	1381
1585	4.082	34.974	4.90	27.2	1.56	22.7	3.953	27.771	41.258	1570

ENDEAVOR 129 STA= 6 LAT= 17 35.0N LON= 65 20.9W SONIC DEPTH= 1570m
 DATE 12/ 4/84

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	25.904	36.158	5.08	25.904	23.939	30.178	36.215	0.012	-0.32	3
25	25.909	36.157	5.06	25.904	23.939	30.178	36.215	0.099	0.64	25
50	25.871	36.155	5.06	25.860	23.951	30.190	36.229	0.198	1.98	50
75	25.712	36.203	5.07	25.695	24.038	30.281	36.322	0.297	5.46	75
100	25.327	36.625	4.97	25.305	24.478	30.724	36.769	0.390	8.41	99
150	23.259	37.061	4.45	23.228	25.433	31.716	37.796	0.540	6.21	149
200	21.097	36.936	4.13	21.058	25.954	32.285	38.410	0.658	5.47	199
250	18.832	36.608	3.98	18.787	26.306	32.692	38.870	0.756	4.26	248
300	17.117	36.361	4.14	17.067	26.545	32.975	39.195	0.840	3.06	298
350	15.696	36.089	3.74	15.641	26.669	33.138	39.396	0.916	2.94	348
400	14.065	35.812	3.47	14.006	26.814	33.331	39.634	0.987	2.99	397
450	12.905	35.649	3.39	12.842	26.928	33.480	39.815	1.052	2.50	447
500	11.725	35.479	3.29	11.660	27.026	33.615	39.986	1.112	2.52	496
600	9.390	35.097	3.06	9.321	27.142	33.808	40.253	1.222	1.90	596
700	8.086	34.974	3.11	8.012	27.252	33.963	40.450	1.322	2.10	695
800	6.899	34.863	3.26	6.822	27.336	34.089	40.617	1.412	1.94	794
900	6.200	34.886	3.64	6.117	27.448	34.226	40.778	1.493	1.79	893
1000	5.511	34.928	4.09	5.423	27.568	34.372	40.948	1.564	2.06	992
1200	4.468	34.963	4.80	4.370	27.717	34.560	41.173	1.677	1.17	1189
1400	4.253	34.968	4.90	4.139	27.746	34.598	41.220	1.776	0.68	1387
1581	4.115	34.975	4.99	3.986	27.768	34.625	41.253	1.864	0.73	1566

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
3	25.915	36.164	5.06	1.4	0.04	0.0	25.915	23.941	36.216	3
84	25.516	36.409	4.97	1.3	0.03	0.0	25.497	24.255	36.542	84
233	18.937	36.622	3.97	2.2	0.34	6.2	18.895	26.290	38.848	231
483	12.074	35.549	3.27	9.4	1.28	20.9	12.010	27.014	39.951	480
733	7.565	34.912	3.07	20.9	2.00	30.7	7.491	27.280	40.515	728
981	5.777	34.911	3.90	24.2	1.86	28.1	5.689	27.522	40.883	973
1083	4.994	34.949	4.66	25.2	1.71	25.5	4.903	27.646	41.063	1074
1184	4.506	34.965	4.76	25.6	1.64	24.0	4.409	27.715	41.168	1174
1283	4.348	34.966	4.84	26.6	1.61	23.7	4.244	27.733	41.199	1272
1381	4.270	34.967	4.86	27.0	1.60	23.4	4.158	27.743	41.216	1369
1483	4.216	34.976	5.06				4.095	27.757	41.234	1469
1579	4.123	34.975	5.05	27.1	1.55	22.7	3.994	27.767	41.252	1564

ENDEAVOR 129 STA= 7 LAT= 17 34.8N LON= 65 13.1W SONIC DEPTH= 1775m
 DATE 12/ 4/84

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	25.925	36.188	5.30	25.924	23.956	30.194	36.231	0.012	-1.15	3
25	25.935	36.185	5.06	25.930	23.952	30.190	36.227	0.099	-0.15	25
50	25.940	36.185	5.15	25.928	23.952	30.190	36.227	0.198	1.15	50
75	25.558	36.321	5.01	25.541	24.175	30.420	36.462	0.296	7.46	75
100	25.292	36.655	4.92	25.270	24.512	30.758	36.803	0.386	7.42	99
150	23.562	37.007	4.45	23.531	25.303	31.581	37.655	0.539	6.49	149
200	21.032	36.875	4.15	20.993	25.926	32.258	38.385	0.659	5.97	199
250	18.496	36.554	3.97	18.452	26.350	32.745	38.930	0.755	4.38	248
300	17.011	36.321	3.99	16.961	26.539	32.972	39.195	0.838	2.93	298
350	15.441	36.032	3.64	15.386	26.682	33.160	39.424	0.915	3.24	348
400	14.191	35.828	3.46	14.132	26.800	33.313	39.612	0.986	2.66	397
450	13.199	35.680	3.36	13.135	26.894	33.436	39.764	1.052	3.02	447
500	11.940	35.511	3.31	11.874	27.011	33.593	39.957	1.113	2.23	496
600	9.872	35.193	3.13	9.801	27.137	33.786	40.215	1.224	2.13	596
700	7.967	34.949	3.12	7.894	27.250	33.965	40.457	1.324	2.05	695
800	6.834	34.852	3.26	6.757	27.336	34.092	40.622	1.415	1.88	794
900	6.176	34.893	3.69	6.093	27.456	34.236	40.789	1.495	2.15	893
1000	5.346	34.937	4.22	5.260	27.594	34.404	40.986	1.564	1.85	992
1200	4.534	34.960	4.74	4.435	27.708	34.548	41.160	1.675	1.21	1189
1400	4.226	34.967	4.88	4.113	27.748	34.600	41.224	1.775	0.69	1387
1600	4.140	34.972	4.99	4.009	27.763	34.619	41.246	1.872	0.48	1584
1800	4.084	34.973	5.04	3.934	27.772	34.631	41.261	1.972	0.35	1782

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
4	25.951	36.198	5.27	1.5	0.05	0.0	25.950	23.955	36.229	4
82	25.333	36.459	4.96	1.5	0.06	0.0	25.315	24.349	36.643	82
182	21.512	34.946	4.83	1.3	0.15	2.6	21.476	24.324	36.797	181
282	17.580	36.429	4.62	2.7	0.46	8.0	17.532	26.484	39.110	281
383	14.511	35.865	3.82	6.3	1.02	16.5	14.454	26.759	39.554	380
582	9.864	35.200	3.18	14.2	1.67	26.6	9.796	27.143	40.222	578
781	6.955	34.876	3.25	21.9	2.05	31.3	6.880	27.338	40.616	776
982	5.562	34.940	4.10	23.7	1.81	27.1	5.476	27.571	40.946	974
1182	4.568	34.964	4.70	25.1	1.65	24.3	4.471	27.707	41.156	1172
1383	4.261	34.970	5.23	26.6	1.61	23.5	4.149	27.747	41.220	1370
1582	4.152	34.975	5.10	26.7	1.56	22.8	4.022	27.764	41.246	1567
1799	4.089	34.978	5.06	27.2	1.56	22.6	3.940	27.775	41.264	1781

ENDEAVOR 129 STA= 8 LAT= 17 34.7N LON= 65 0.0W SONIC DEPTH= 1839m
 DATE 12/ 4/84

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m ³	SIG-1.5 kg/m ³	SIG-3 kg/m ³	HGTH m	N cph	DE m
3	25.990	36.198	4.87	25.989	23.943	30.180	36.216	0.012	1.30	3
25	25.961	36.197	4.81	25.956	23.953	30.190	36.226	0.099	1.14	25
50	25.948	36.197	4.86	25.937	23.958	30.196	36.233	0.198	0.62	50
75	25.744	36.243	4.91	25.727	24.059	30.300	36.340	0.297	6.62	75
100	25.348	36.582	4.74	25.326	24.439	30.685	36.730	0.389	6.74	99
150	24.148	36.994	4.39	24.116	25.119	31.386	37.449	0.548	6.85	149
200	20.450	36.833	3.92	20.412	26.052	32.398	38.538	0.670	6.14	199
250	18.482	36.566	3.96	18.438	26.363	32.758	38.944	0.764	3.92	248
300	16.854	36.292	3.89	16.804	26.554	32.992	39.219	0.847	3.24	298
350	15.205	35.995	3.53	15.151	26.706	33.190	39.461	0.923	3.20	348
400	13.552	35.700	3.17	13.495	26.835	33.367	39.685	0.992	2.71	397
450	12.393	35.530	3.09	12.332	26.937	33.505	39.856	1.056	2.65	447
500	11.325	35.398	3.14	11.261	27.038	33.640	40.023	1.115	2.40	496
600	9.491	35.128	2.98	9.422	27.150	33.812	40.253	1.223	1.73	596
700	8.035	34.957	3.01	7.962	27.246	33.959	40.448	1.324	2.12	695
800	6.723	34.848	3.18	6.647	27.347	34.107	40.642	1.413	2.08	794
900	6.166	34.914	3.68	6.083	27.474	34.254	40.807	1.493	2.07	893
1000	5.492	34.938	4.13	5.404	27.578	34.382	40.959	1.561	1.84	992
1200	4.573	34.947	4.55	4.474	27.693	34.532	41.142	1.675	1.11	1189
1400	4.272	34.966	4.88	4.158	27.743	34.594	41.215	1.777	0.89	1387
1600	4.104	34.972	5.00	3.973	27.767	34.625	41.253	1.875	0.53	1584
1737	4.082	34.973	5.00	3.939	27.771	34.630	41.260	1.943	0.37	1719

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m ³	SIG-3 kg/m ³	DE m
1	26.048	36.207	4.86	1.4	0.03	0.0	26.048	23.931	36.201	1
81	25.382	36.512	4.85	1.4	0.03	0.0	25.364	24.374	36.665	80
181	21.998	37.022	4.15	1.1	0.11	2.1	21.961	25.768	38.184	180
280	17.109	36.371	3.98	2.9	0.48	8.7	17.062	26.553	39.203	278
381	13.996	35.775	3.20	7.2	1.09	18.0	13.940	26.800	39.623	378
579	9.635	35.149	2.95	15.3	1.72	27.4	9.568	27.142	40.236	575
778	6.928	34.873	3.10	22.7	2.02	31.6	6.853	27.339	40.619	772
982	5.558	34.935	4.03	24.4	1.80	27.2	5.472	27.568	40.943	975
1181	4.608	34.948	4.55	27.1	1.69	25.2	4.511	27.690	41.136	1171
1376	4.293	34.968	4.85	26.8	1.59	23.7	4.181	27.742	41.212	1364
1593	4.118	34.974	4.99	27.4	1.55	23.0	3.988	27.767	41.252	1578
1762	4.093	34.974	4.99	27.9	1.54	22.9	3.947	27.771	41.259	1745

ENDEAVOR 129 STA= 9 LAT= 17 35.2N LON= 64 57.8W SONIC DEPTH= 1088m
 DATE 12/ 4/84

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	26.020	36.187	4.92	26.019	23.925	30.162	36.197	0.012	2.64	3
25	25.913	36.186	4.89	25.907	23.959	30.198	36.235	0.099	1.42	25
50	25.491	36.301	4.81	25.480	24.179	30.425	36.468	0.197	6.90	50
75	25.365	36.493	4.81	25.348	24.365	30.612	36.657	0.288	4.36	75
100	25.248	36.669	4.76	25.226	24.535	30.783	36.828	0.376	5.99	99
150	23.348	37.058	4.29	23.317	25.404	31.686	37.764	0.530	7.55	149
200	21.316	36.950	4.03	21.277	25.905	32.231	38.351	0.647	4.33	199
250	19.206	36.666	3.92	19.160	26.255	32.631	38.800	0.748	4.47	248
300	17.823	36.458	3.97	17.771	26.447	32.859	39.061	0.836	3.26	298
350	15.844	36.115	3.67	15.789	26.656	33.121	39.375	0.916	3.49	348
400	14.486	35.894	3.45	14.426	26.788	33.292	39.583	0.987	2.55	397
450	13.101	35.632	3.12	13.038	26.876	33.422	39.753	1.054	2.30	447
500	12.383	35.554	3.22	12.316	26.959	33.527	39.878	1.117	2.54	496
600	9.704	35.154	2.97	9.634	27.135	33.790	40.224	1.231	2.04	596
700	8.275	34.981	2.97	8.201	27.229	33.933	40.415	1.332	1.95	695
800	6.977	34.871	3.13	6.899	27.332	34.082	40.608	1.424	1.98	794
900	6.342	34.881	3.44	6.258	27.426	34.199	40.747	1.507	2.10	893
1000	5.307	34.934	4.11	5.221	27.597	34.408	40.991	1.577	2.34	992
1097	4.670	34.951	4.54	4.579	27.685	34.520	41.126	1.632	1.85	1088

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
3	26.051	36.194	4.84	1.3	0.02	0.0	26.050	23.921	36.191	3
41	25.760	36.190	4.88	1.2	0.03	0.0	25.751	24.011	36.293	41
96	25.262	36.668	4.76	1.2	0.03	0.1	25.241	24.530	36.823	95
195	21.477	36.980	4.03	1.3	0.12	2.5	21.439	25.882	38.321	194
285	18.115	36.518	3.96	2.3	0.35	6.7	18.066	26.420	39.019	284
388	14.639	35.924	3.43	5.8	0.92	15.4	14.580	26.778	39.564	386
493	12.550	35.589	3.21	8.8	1.23	20.2	12.483	26.953	39.862	489
592	9.771	35.163	3.06	14.7	1.69	27.0	9.702	27.131	40.216	588
793	7.014	34.874	3.12	21.8	2.02	31.0	6.937	27.329	40.602	787
892	6.366	34.890	3.43	22.8	1.96	30.0	6.283	27.429	40.748	886
989	5.365	34.936	4.08	24.5	1.79	26.9	5.279	27.592	40.981	982
1098	4.665	34.954	4.56				4.575	27.687	41.129	1089

ENDEAVOR 129 STA= 10
DATE 12/ 4/84

LAT= 17 48.6N LON= 64 52.6W

SONIC DEPTH= 228m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	25.910	36.170	5.39	25.909	23.947	30.185	36.223	0.012	1.17	3
25	25.845	36.172	5.29	25.839	23.971	30.211	36.249	0.099	3.21	25
50	25.584	36.243	5.35	25.573	24.106	30.351	36.393	0.196	4.00	50
75	25.400	36.343	5.24	25.384	24.241	30.488	36.533	0.290	5.31	75
100	25.233	36.626	5.13	25.212	24.508	30.756	36.802	0.380	6.73	99
150	23.433	37.064	4.75	23.402	25.384	31.664	37.741	0.534	6.47	149
200	20.285	36.812	4.27	20.247	26.080	32.430	38.573	0.654	7.84	199
225	19.716	36.741	4.30	19.674	26.178	32.542	38.698	0.703	2.77	224

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
1	25.913	36.176	4.98	1.3	0.03	0.0	25.913	23.950	36.226	1
81	25.413	36.354	5.20	1.4	0.04	0.0	25.396	24.245	36.537	80
223	19.638	36.728	4.26	1.8	0.28	5.1	19.596	26.189	38.713	222

ENDEAVOR 129 STA= 11 LAT= 17 52.7N LON= 64 51.8W SONIC DEPTH= 4070m
 DATE 12/ 4/84

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	25.734	36.195	5.46	25.734	24.020	30.262	36.302	0.012	2.33	3
25	25.622	36.210	5.32	25.617	24.068	30.312	36.354	0.097	3.18	25
50	25.455	36.229	5.46	25.444	24.136	30.383	36.428	0.192	2.80	50
75	25.315	36.280	5.31	25.299	24.219	30.468	36.516	0.286	4.29	75
100	25.105	36.596	5.35	25.084	24.524	30.775	36.824	0.377	5.87	99
150	23.675	37.021	4.89	23.644	25.280	31.556	37.628	0.535	7.79	149
200	21.628	37.012	4.48	21.589	25.865	32.184	38.297	0.657	5.91	199
250	18.888	36.618	4.57	18.843	26.300	32.685	38.861	0.756	3.98	248
300	17.670	36.450	4.59	17.618	26.479	32.894	39.100	0.842	3.09	298
350	16.037	36.144	3.88	15.980	26.633	33.093	39.342	0.922	3.66	348
400	15.203	36.037	4.01	15.141	26.741	33.225	39.496	0.995	1.95	397
450	14.070	35.842	3.67	14.004	26.838	33.355	39.657	1.065	2.81	447
500	12.691	35.615	3.47	12.622	26.946	33.504	39.846	1.129	2.64	496
600	10.244	35.255	3.26	10.171	27.122	33.759	40.176	1.246	2.70	596
700	8.207	35.009	3.23	8.132	27.261	33.968	40.451	1.345	1.80	695
800	7.131	34.911	3.36	7.052	27.342	34.086	40.606	1.435	1.95	794
900	6.434	34.940	3.79	6.349	27.460	34.230	40.773	1.516	2.10	893
1000	5.535	34.926	4.17	5.447	27.563	34.366	40.941	1.586	1.99	992
1200	4.522	34.960	4.78	4.424	27.709	34.549	41.161	1.699	1.20	1189
1400	4.254	34.967	4.94	4.140	27.745	34.597	41.219	1.798	0.62	1387
1600	4.162	34.978	5.23	4.031	27.766	34.621	41.247	1.897	0.61	1584
1800	4.071	34.974	5.08	3.922	27.774	34.634	41.264	1.996	0.47	1782
2000	3.929	34.991	5.81	3.762	27.804	34.670	41.306	2.095	0.74	1979
2200	3.863	34.989	5.90	3.677	27.811	34.680	41.319	2.193	0.21	2175
2400	3.863	34.988	5.92	3.658	27.812	34.682	41.322	2.293	0.17	2372
2600	3.876	34.988	5.92	3.649	27.813	34.683	41.323	2.397	0.12	2569
2800	3.888	34.987	5.91	3.640	27.813	34.684	41.324	2.505	0.12	2765
3000	3.904	34.987	5.92	3.633	27.813	34.684	41.325	2.617	0.10	2961
3200	3.920	34.986	5.94	3.627	27.814	34.685	41.326	2.732	0.13	3157
3400	3.932	34.985	5.93	3.616	27.814	34.685	41.327	2.851	0.10	3353
3600	3.949	34.984	5.95	3.609	27.813	34.685	41.327	2.974	0.08	3548
3800	3.970	34.983	5.93	3.605	27.814	34.686	41.328	3.101	0.10	3744
4000	3.993	34.983	5.88	3.603	27.814	34.686	41.328	3.231	0.09	3939
4200	4.016	34.983	5.91	3.601	27.814	34.686	41.328	3.366	0.07	4134
4211	4.017	34.984	5.92	3.600	27.814	34.687	41.329	3.373	0.44	4145

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
1	25.688	36.192	5.01	1.0	0.05	0.0	25.688	24.032	36.316	1
85	25.319	36.337	5.10	1.2	0.04	0.0	25.300	24.262	36.557	85
183	22.180	37.083	4.60	0.8	0.08	1.1	22.144	25.762	38.170	182
282	18.112	36.524	4.76	1.9	0.29	4.7	18.063	26.425	39.024	281
482	13.327	35.722	3.74				13.259	26.900	39.763	478
732	7.756	34.965	3.38	20.1	1.96	30.0	7.681	27.294	40.515	727
882	6.429	34.938	3.91	21.6	1.85	28.3	6.346	27.459	40.772	875
1083	4.928	34.956	4.57	25.3	1.71	25.3	4.837	27.659	41.081	1074
1283	4.350	34.973	4.89	26.4	1.62	23.7	4.246	27.739	41.204	1272
1483	4.218	34.974	4.98	26.7	1.59	23.0	4.097	27.755	41.232	1469
1684	4.121	34.978	4.86	25.9	1.53	22.4	3.983	27.771	41.256	1668
1883	4.059	34.990	5.27	24.9	1.50	21.8	3.902	27.789	41.280	1864
2082	3.879	34.992	5.92	15.5	1.27	18.9	3.705	27.810	41.316	2060
2284	3.877	34.993	5.94	15.6	1.27	18.9	3.683	27.813	41.321	2259
2484	3.879	34.990	5.79	15.7	1.28	18.9	3.665	27.813	41.322	2455
2686	3.893	34.989	5.65	15.8	1.27	18.9	3.657	27.813	41.323	2654
2886	3.905	34.988	5.63	15.9	1.28	18.9	3.647	27.813	41.324	2851
3088	3.921	34.988	6.05	16.0	1.28	19.0	3.640	27.814	41.325	3048
3287	3.935	34.985	6.03	16.1	1.28	19.0	3.632	27.812	41.324	3244
3489	3.950	34.984	5.85	16.2	1.28	19.0	3.622	27.812	41.325	3441
3689	3.967	34.985	5.67	16.3	1.28	19.1	3.615	27.814	41.327	3637
3890	3.989	34.982	6.06	16.4	1.29	19.1	3.613	27.812	41.325	3833
4089	4.012	34.983	6.03	16.4	1.27	19.1	3.611	27.813	41.326	4028
4213	4.027	34.982	5.86	16.5	1.29	19.1	3.609	27.812	41.326	4148

ENDEAVOR 129 STA= 12 LAT= 17 58.9N LON= 64 51.9W SONIC DEPTH= 4344m
 DATE 13/ 4/84

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	25.731	36.130	5.37	25.730	23.972	30.215	36.255	0.012	-0.67	3
25	25.738	36.129	5.27	25.732	23.971	30.213	36.254	0.098	1.17	25
50	25.377	36.206	5.36	25.366	24.143	30.392	36.438	0.196	4.66	50
75	25.329	36.280	5.38	25.312	24.215	30.464	36.512	0.290	4.20	75
100	25.174	36.640	5.37	25.152	24.537	30.786	36.833	0.380	6.50	99
150	23.735	36.904	5.09	23.703	25.174	31.449	37.521	0.539	7.53	149
200	21.527	37.023	4.50	21.488	25.902	32.222	38.338	0.662	5.58	199
250	19.019	36.636	4.52	18.974	26.280	32.661	38.834	0.762	4.59	248
300	17.593	36.453	4.73	17.542	26.500	32.917	39.125	0.848	3.01	298
350	16.579	36.286	4.47	16.522	26.617	33.062	39.296	0.928	2.88	348
400	14.966	35.968	3.71	14.905	26.740	33.231	39.509	1.002	3.07	397
450	14.355	35.909	3.85	14.288	26.829	33.337	39.631	1.071	2.46	447
500	13.203	35.731	3.64	13.132	26.934	33.476	39.803	1.137	2.89	496
600	10.128	35.225	3.20	10.056	27.118	33.759	40.180	1.252	2.52	596
700	8.343	35.017	3.20	8.268	27.247	33.949	40.428	1.353	1.82	695
800	7.354	34.927	3.30	7.274	27.323	34.060	40.572	1.444	1.56	794
900	6.297	34.907	3.70	6.213	27.452	34.227	40.776	1.529	2.65	893
1000	5.406	34.926	4.19	5.319	27.579	34.386	40.966	1.597	1.73	992
1200	4.479	34.961	4.81	4.381	27.715	34.557	41.170	1.711	1.27	1189
1400	4.245	34.968	4.95	4.132	27.747	34.599	41.221	1.810	0.63	1387
1600	4.156	34.980	5.25	4.025	27.768	34.624	41.250	1.908	0.55	1584
1800	4.095	34.982	5.29	3.946	27.778	34.636	41.266	2.007	0.66	1782
2000	3.891	34.992	5.88	3.725	27.808	34.675	41.313	2.104	0.50	1979
2200	3.867	34.990	5.90	3.681	27.811	34.680	41.319	2.201	0.22	2175
2400	3.869	34.989	5.90	3.664	27.812	34.682	41.321	2.302	0.16	2372
2600	3.879	34.988	5.90	3.653	27.813	34.683	41.323	2.406	0.12	2569
2800	3.894	34.988	5.90	3.646	27.813	34.684	41.324	2.514	0.13	2765
3000	3.907	34.987	5.89	3.636	27.813	34.684	41.325	2.626	0.12	2961
3200	3.923	34.987	5.92	3.630	27.814	34.685	41.326	2.741	0.11	3157
3400	3.937	34.985	5.91	3.620	27.814	34.685	41.326	2.860	0.09	3353
3600	3.953	34.984	5.92	3.613	27.814	34.686	41.327	2.983	0.09	3548
3800	3.974	34.984	5.93	3.609	27.813	34.686	41.327	3.110	0.09	3744
4000	3.994	34.983	5.93	3.604	27.814	34.686	41.328	3.241	0.08	3939
4200	4.019	34.983	5.95	3.603	27.814	34.686	41.328	3.375	0.07	4134
4309	4.033	34.984	5.92	3.603	27.814	34.686	41.328	3.450	0.14	4240

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
3	25.708	36.135	5.29	1.4	0.03	0.0	25.708	23.983	36.267	3
82	25.296	36.326	5.29	1.4	0.03	0.0	25.278	24.260	36.557	82
233	19.516	36.735	4.37	1.5	0.15	3.1	19.474	26.226	38.756	232
483	13.562	35.794	3.76	6.9	1.01	17.1	13.492	26.908	39.756	479
679	8.736	35.062	3.13	17.2	1.80	28.5	8.662	27.221	40.375	674
882	6.362	34.906	3.63	22.8	1.91	29.4	6.280	27.442	40.761	876
1081	4.982	34.957	4.40	25.2	1.71	25.4	4.890	27.654	41.072	1073
1282	4.373	34.965	4.75	26.3	1.61	23.9	4.269	27.730	41.194	1271
1482	4.218	34.979	4.99	25.8	1.54	22.8	4.097	27.759	41.236	1469
1681	4.098	34.986	5.03	27.2	1.54	22.6	3.960	27.779	41.266	1665
1882	4.068	34.996	5.73	16.9	1.31	19.6	3.911	27.792	41.283	1863
2081	3.891	34.998	5.85	15.6	1.26	18.9	3.717	27.814	41.319	2060
2281	3.876	34.994	5.87	15.7	1.26	18.9	3.683	27.814	41.322	2256
2484	3.881	35.014	5.91	15.6	1.26	18.9	3.666	27.832	41.340	2455
2684	3.896	34.998	5.92	15.7	1.25	18.9	3.660	27.820	41.329	2653
2884	3.908	35.006	6.18	15.7	1.26	18.9	3.650	27.827	41.337	2848
3086	3.922	34.986	5.84	15.8	1.26	18.9	3.642	27.812	41.323	3046
3285	3.938	34.984	5.91	15.9	1.26	19.0	3.635	27.811	41.323	3242
3488	3.953	34.983	5.86	16.0	1.27	18.9	3.626	27.811	41.324	3440
3687	3.970	34.983	5.85	16.1	1.27	19.0	3.619	27.812	41.325	3635
3884	3.991	34.985	6.13	16.1	1.27	19.0	3.615	27.814	41.327	3827
4088	4.014	34.981	5.86	16.2	1.27	19.0	3.612	27.811	41.325	4027
4310	4.042	34.982	5.85	16.9	1.28	19.0	3.612	27.812	41.325	4244

ENDEAVOR 129 STA= 13
DATE 13/ 4/84

LAT= 18 4.9N LON= 64 51.9W

SONIC DEPTH= 2806m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	25.595	36.209	5.43	25.595	24.074	30.319	36.361	0.011	-1.01	3
25	25.607	36.207	5.40	25.601	24.071	30.315	36.357	0.096	0.28	25
50	25.506	36.211	5.41	25.495	24.107	30.353	36.397	0.192	4.18	50
75	25.272	36.400	5.38	25.256	24.323	30.572	36.620	0.286	6.49	75
100	25.115	36.697	5.31	25.094	24.598	30.848	36.895	0.372	5.78	99
150	23.561	36.920	4.88	23.529	25.237	31.516	37.591	0.527	6.23	149
200	21.932	37.080	4.45	21.892	25.832	32.143	38.250	0.653	5.92	199
250	19.073	36.674	4.47	19.027	26.295	32.675	38.846	0.753	4.54	248
300	17.675	36.468	4.65	17.624	26.491	32.906	39.112	0.839	2.98	298
350	16.599	36.291	4.49	16.542	26.616	33.060	39.294	0.918	3.07	348
400	15.130	36.031	4.06	15.069	26.753	33.239	39.511	0.992	2.93	397
450	13.445	35.719	3.52	13.381	26.873	33.409	39.729	1.060	2.85	447
500	12.047	35.477	3.31	11.980	26.964	33.543	39.905	1.123	2.41	496
600	10.025	35.215	3.18	9.954	27.128	33.772	40.196	1.238	2.22	596
700	8.672	35.042	3.16	8.595	27.216	33.906	40.374	1.341	2.19	695
800	7.317	34.919	3.30	7.237	27.322	34.060	40.574	1.433	1.75	794
900	6.432	34.887	3.57	6.347	27.419	34.189	40.733	1.517	2.20	893
1000	5.504	34.918	4.08	5.416	27.561	34.365	40.941	1.589	1.89	992
1200	4.636	34.956	4.65	4.537	27.693	34.529	41.137	1.704	1.12	1189
1400	4.274	34.970	4.94	4.160	27.745	34.596	41.217	1.807	0.79	1387
1600	4.177	34.975	5.06	4.046	27.761	34.617	41.242	1.905	0.51	1584
1800	3.991	34.990	5.61	3.843	27.795	34.658	41.290	2.003	0.79	1782
2000	3.891	34.992	5.84	3.725	27.808	34.676	41.313	2.098	0.37	1979
2200	3.869	34.990	5.83	3.684	27.811	34.680	41.319	2.196	0.21	2175
2400	3.867	34.989	5.82	3.662	27.812	34.682	41.322	2.296	0.19	2372
2600	3.881	34.988	5.84	3.654	27.812	34.683	41.323	2.400	0.14	2569
2800	3.893	34.988	5.84	3.645	27.813	34.684	41.324	2.508	0.10	2765
2921	3.905	34.988	5.79	3.644	27.814	34.684	41.324	2.575	0.09	2883

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
0	25.622	36.199	5.54	1.4	0.04	0.0	25.622	24.058	36.344	0
89	25.225	36.546	5.54	1.1	0.03	0.0	25.206	24.449	36.745	89
195	21.864	37.113	4.40	0.8	0.08	1.2	21.825	25.875	38.296	193
294	17.707	36.477	4.69	1.7	0.32	5.7	17.656	26.490	39.109	292
395	15.126	36.044	3.91	4.3	0.76	12.8	15.065	26.764	39.522	393
494	12.178	35.499	3.15	9.3	1.33	21.5	12.112	26.956	39.888	491
593	10.406	35.262	3.45	12.6	1.57	25.1	10.334	27.099	40.143	589
694	8.650	35.043	3.13	17.0	1.83	28.6	8.574	27.220	40.380	689
794	7.238	34.915	3.17	20.9	1.97	30.2	7.159	27.330	40.587	788
892	6.514	34.876	3.37	22.5	1.98	30.0	6.429	27.399	40.708	885
995	5.459	34.922	4.04	23.7	1.81	27.0	5.372	27.569	40.953	987
1094	4.970	34.949	4.39	24.3	1.71	25.1	4.877	27.649	41.068	1085
1195	4.656	34.994	4.62	24.8	1.65	24.3	4.557	27.721	41.163	1185
1294	4.404	34.964	4.77	25.3	1.60	23.4	4.298	27.726	41.188	1283
1386	4.276	34.971	4.91	25.3	1.60	23.4	4.164	27.746	41.218	1374
1494	4.213	34.988	5.01	24.5	1.52	22.3	4.091	27.767	41.244	1481
1595	4.170	34.987	5.10	24.2	1.51	22.1	4.039	27.772	41.253	1580
1794	4.010	34.995	5.71	17.0	1.31	19.5	3.863	27.797	41.291	1776
1992	3.902	34.994	5.92	14.9	1.25	18.6	3.737	27.809	41.312	1972
2195	3.878	35.001	5.94	15.0	1.25	18.6	3.693	27.819	41.326	2172
2397	3.876	34.989	5.95	15.2	1.25	18.6	3.671	27.811	41.320	2370
2596	3.889	35.000	5.95	15.1	1.26	18.6	3.663	27.821	41.330	2566
2797	3.901	34.988	5.96	15.2	1.25	18.6	3.653	27.812	41.323	2763
2924	3.915		5.96	15.7	1.26	18.6				2887

ENDEAVOR 129 STA= 14 LAT= 18 12.7N LON= 64 52.3W SONIC DEPTH= 225m
 DATE 13/ 4/84

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m ³	kg/m ³	kg/m ³	m	cph	m
3	25.653	36.210	5.30	25.652	24.057	30.300	36.342	0.012	-0.88	3
25	25.666	36.210	5.26	25.660	24.054	30.297	36.338	0.096	-0.44	25
50	25.671	36.209	5.29	25.660	24.053	30.297	36.338	0.193	0.20	50
75	25.676	36.209	5.39	25.660	24.054	30.297	36.338	0.290	0.41	75
93	25.673	36.217	5.38	25.652	24.062	30.305	36.347	0.360	1.50	92

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m ³	kg/m ³	m
2	25.666	36.242	5.06	1.6	0.07	0.0	25.666	24.077	36.361	2
44	25.687	36.251	5.05	1.5	0.04	0.0	25.677	24.080	36.363	44
96	25.620	36.262	5.05	1.4	0.07	0.0	25.599	24.113	36.399	96

ENDEAVOR 129 STA= 15 LAT= 18 47.5N LON= 64 29.9W SONIC DEPTH= 316m
 DATE 13/ 4/84

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	25.537	36.235	5.58	25.536	24.112	30.357	36.401	0.011	1.10	3
25	25.507	36.236	5.37	25.501	24.123	30.369	36.413	0.095	2.52	25
50	25.144	36.308	5.52	25.133	24.292	30.544	36.594	0.188	4.55	50
75	25.065	36.481	5.35	25.049	24.448	30.700	36.751	0.278	3.66	75
100	24.849	36.548	5.17	24.827	24.566	30.822	36.876	0.365	5.90	99
150	22.873	36.922	4.81	22.843	25.439	31.732	37.821	0.517	6.88	149
200	19.928	36.766	4.53	19.890	26.140	32.499	38.651	0.633	5.80	199
250	18.386	36.562	4.61	18.342	26.385	32.782	38.970	0.724	3.31	248
300	17.608	36.450	4.71	17.557	26.494	32.911	39.119	0.808	2.40	298
331	17.259	36.392	4.67	17.204	26.535	32.962	39.178	0.858	1.37	329

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
1	25.542	36.242	5.48	1.2	0.03	0.0	25.542	24.115	36.404	1
84	25.032	36.489	4.95	1.2	0.03	0.0	25.014	24.465	36.768	83
183	21.136	36.874	4.33	1.0	0.12	1.9	21.100	25.895	38.351	182
333	17.080	36.365	4.40	2.4	0.43	7.3	17.025	26.558	39.210	331

ENDEAVOR 129 STA= 16 LAT= 18 49.9N LON= 64 30.6W SONIC DEPTH= 1345m
 DATE 13/ 4/84

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
1	25.468	36.163	5.39	25.468	24.078	30.325	36.371	0.004	2.17	1
25	25.437	36.182	4.85	25.432	24.104	30.352	36.398	0.095	1.07	25
50	25.422	36.193	4.90	25.411	24.118	30.366	36.412	0.191	2.94	50
75	25.303	36.556	4.94	25.286	24.432	30.679	36.724	0.283	6.94	75
100	24.923	36.701	4.80	24.901	24.660	30.913	36.964	0.368	5.68	99
150	23.264	36.954	4.51	23.233	25.350	31.635	37.716	0.520	7.08	149
200	20.652	36.868	4.03	20.614	26.024	32.365	38.500	0.638	5.62	199
250	18.518	36.576	4.30	18.474	26.362	32.756	38.941	0.731	3.79	248
300	17.497	36.439	4.40	17.446	26.512	32.932	39.142	0.816	2.79	298
350	16.779	36.318	4.28	16.721	26.594	33.033	39.262	0.895	2.21	348
400	15.694	36.106	3.87	15.631	26.684	33.154	39.411	0.971	2.44	397
450	14.506	35.894	3.57	14.438	26.785	33.290	39.580	1.043	2.96	447
500	12.799	35.603	3.26	12.730	26.915	33.471	39.810	1.110	2.55	496
600	10.689	35.263	2.97	10.615	27.051	33.673	40.077	1.230	2.32	596
700	9.036	35.140	3.13	8.958	27.235	33.913	40.368	1.337	2.07	695
800	7.587	34.991	3.20	7.506	27.340	34.068	40.572	1.430	2.20	794
900	6.493	34.934	3.54	6.408	27.448	34.215	40.757	1.512	2.19	893
1000	5.858	35.017	4.42	5.768	27.596	34.386	40.949	1.582	1.75	992
1200	5.032	35.031	5.25	4.929	27.709	34.529	41.122	1.696	1.23	1189
1367	4.582	35.022	5.62	4.468	27.753	34.592	41.201	1.781	1.14	1354

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
1	25.501	36.185	5.03	1.2	0.05	0.0	25.501	24.085	36.376	1
98	25.114	36.729	4.03	1.0	0.06	0.0	25.093	24.622	36.919	97
195	21.148	36.946	4.00	1.4	0.23	3.6	21.110	25.947	38.401	194
292	17.733	36.473	4.40	2.0	0.34	5.9	17.682	26.480	39.099	291
394	15.436	36.069	3.97	4.3	0.77	12.6	15.374	26.714	39.455	391
495	13.112	35.644	3.24	7.9	1.21	19.2	13.042	26.884	39.760	491
596	10.885	35.300	3.00	11.8	1.54	24.5	10.811	27.044	40.058	592
686	9.231	35.164	3.17	15.3	1.70	26.6	9.153	27.222	40.342	681
782	8.318	35.099	3.29	17.2	1.75	27.3	8.234	27.316	40.498	776
979	6.029	35.013	4.37	16.7	1.61	24.5	5.939	27.571	40.911	971
1181	5.096	35.035	5.22	14.8	1.34	20.7	4.994	27.704	41.112	1171
1368	4.598	35.031	5.64	14.0	1.30	19.4	4.483	27.759	41.205	1356

ENDEAVOR 129 STA= 17
DATE 13/ 4/84

LAT= 18 54.9N LON= 64 30.0W

SONIC DEPTH= 2337m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	25.594	36.232	4.90	25.594	24.091	30.336	36.378	0.004	1.80	1
25	25.506	36.227	4.90	25.500	24.117	30.363	36.407	0.095	1.41	25
50	25.447	36.235	4.94	25.436	24.143	30.390	36.435	0.190	2.59	50
75	25.282	36.375	4.98	25.265	24.301	30.550	36.598	0.284	5.50	75
100	25.049	36.691	4.93	25.027	24.613	30.864	36.913	0.372	6.38	99
150	23.254	36.955	4.55	23.223	25.354	31.638	37.720	0.525	7.29	149
200	20.986	36.932	3.94	20.947	25.981	32.315	38.442	0.643	5.67	199
250	18.701	36.584	4.02	18.656	26.321	32.711	38.891	0.739	3.92	248
300	17.535	36.428	4.35	17.484	26.495	32.914	39.123	0.824	2.49	298
350	16.818	36.319	4.37	16.760	26.586	33.024	39.252	0.904	2.59	348
400	15.639	36.099	3.86	15.576	26.692	33.163	39.422	0.981	2.96	397
450	14.365	35.871	3.55	14.298	26.797	33.305	39.600	1.052	2.35	447
500	12.965	35.613	3.22	12.895	26.890	33.441	39.775	1.119	2.49	496
600	10.923	35.330	3.10	10.847	27.061	33.676	40.071	1.241	2.42	596
700	8.932	35.070	2.96	8.854	27.197	33.878	40.338	1.348	2.13	695
800	7.801	35.023	3.21	7.718	27.334	34.055	40.551	1.443	2.20	794
900	6.640	34.916	3.44	6.554	27.414	34.176	40.713	1.527	1.87	893
1000	6.028	34.983	4.11	5.936	27.548	34.332	40.889	1.601	1.90	992
1200	5.072	35.035	5.29	4.969	27.707	34.526	41.117	1.719	1.25	1189
1400	4.487	35.020	5.74	4.371	27.762	34.604	41.217	1.821	0.95	1387
1600	4.195	35.006	5.88	4.063	27.785	34.639	41.263	1.917	0.68	1584
1800	3.956	34.997	5.97	3.808	27.803	34.668	41.302	2.012	0.74	1781
2000	3.778	34.989	5.98	3.614	27.817	34.689	41.330	2.105	0.50	1978
2200	3.656	34.983	5.98	3.474	27.827	34.704	41.351	2.198	0.66	2175
2400	3.426	34.972	6.03	3.228	27.842	34.729	41.385	2.291	0.60	2372
2557	3.277	34.964	5.98	3.066	27.851	34.745	41.407	2.363	0.77	2526

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
1	25.669	36.267	4.93	1.2	0.04	0.0	25.668	24.095	36.378	1
95	24.987	36.686	4.88	1.1	0.03	0.0	24.967	24.628	36.931	94
198	21.229	36.976	3.87	1.4	0.23	3.7	21.190	25.948	38.398	196
295	17.641	36.457	4.31	2.1	0.34	5.9	17.591	26.491	39.114	293
395	15.673	36.110	3.73	4.3	0.74	12.1	15.610	26.692	39.421	393
495	13.038	35.625	3.17	8.5	1.23	19.6	12.968	26.884	39.765	492
595	11.088	35.364	3.05	11.5	1.48	23.5	11.013	27.057	40.057	591
696	9.013	35.073	2.96	16.5	1.81	28.4	8.935	27.186	40.322	691
796	7.952	35.018	3.15	19.2	1.86	29.0	7.869	27.308	40.515	790
893	6.799	34.943	3.47	21.2	1.91	29.1	6.713	27.414	40.701	887
995	6.057	34.989	4.15	19.5	1.70	25.6	5.966	27.549	40.888	987
1090	5.617	35.029	4.74	16.8	1.51	22.7	5.520	27.636	41.006	1082
1192	5.109	35.040	5.26	14.8	1.37	20.6	5.006	27.706	41.114	1182
1293	4.795	35.032	5.47	14.3	1.32	19.8	4.685	27.737	41.168	1281
1395	4.508	35.023		13.9	1.28	19.1	4.392	27.763	41.216	1383
1492	4.355	35.015	5.78	14.0	1.27	19.0	4.231	27.774	41.239	1478
1592	4.194	35.010	5.85	14.3	1.26	18.9	4.063	27.788	41.266	1577
1695	4.091	35.002	5.90	14.6	1.26	18.7	3.952	27.793	41.280	1679
1793	3.974	34.999	5.96	14.9	1.25	18.7	3.827	27.804	41.300	1775
1879	3.864	34.994	5.99	15.5	1.25	18.7	3.710	27.812	41.317	1860
1993	3.812	34.992	5.95	15.9	1.25	18.6	3.648	27.816	41.327	1973
2187	3.685	34.986	5.95	16.9	1.26	18.7	3.503	27.826	41.348	2164
2396	3.435	34.973	6.00	18.8	1.26	18.7	3.237	27.841	41.384	2370
2558	3.283	34.965	6.02	20.1	1.27	18.7	3.072	27.851	41.406	2529

ENDEAVOR 129 STA= 18 LAT= 18 60.0N LON= 64 30.0W SONIC DEPTH= 3444m
 DATE 13/ 4/84

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	25.636	36.233	5.22	25.636	24.080	30.323	36.364	0.011	-0.18	3
25	25.554	36.222	5.00	25.548	24.098	30.343	36.386	0.096	2.00	25
50	25.486	36.227	4.99	25.475	24.124	30.371	36.415	0.191	2.94	50
75	25.324	36.449	4.98	25.307	24.344	30.592	36.638	0.284	6.51	75
100	25.126	36.781	4.91	25.104	24.657	30.906	36.953	0.371	7.14	99
150	23.182	37.085	4.42	23.151	25.473	31.758	37.840	0.518	7.03	149
200	20.652	36.863	4.22	20.614	26.020	32.361	38.496	0.632	5.15	199
250	18.967	36.639	4.10	18.922	26.296	32.678	38.853	0.729	3.80	248
300	17.795	36.472	4.37	17.743	26.465	32.877	39.080	0.815	2.79	298
350	16.909	36.328	4.35	16.851	26.571	33.007	39.232	0.896	2.45	348
400	15.910	36.157	4.07	15.846	26.674	33.138	39.390	0.974	3.12	397
450	14.434	35.907	3.68	14.367	26.811	33.316	39.608	1.045	3.03	447
500	13.297	35.720	3.49	13.226	26.905	33.445	39.770	1.111	2.39	496
600	10.893	35.332	3.12	10.818	27.068	33.684	40.080	1.233	2.31	596
700	9.105	35.088	2.99	9.026	27.183	33.859	40.313	1.341	2.13	695
800	7.796	34.974	3.09	7.713	27.296	34.018	40.515	1.437	2.07	794
900	6.988	34.969	3.43	6.900	27.409	34.158	40.683	1.523	1.80	893
1000	6.303	35.001	4.05	6.209	27.526	34.300	40.848	1.600	1.98	992
1200	5.171	35.030	5.14	5.067	27.692	34.507	41.095	1.723	1.42	1189
1400	4.601	35.024	5.69	4.484	27.753	34.591	41.200	1.827	0.92	1387
1600	4.185	35.006	5.93	4.053	27.786	34.640	41.265	1.924	0.78	1584
1800	3.956	34.996	6.01	3.808	27.803	34.667	41.301	2.018	0.61	1781
2000	3.765	34.988	6.02	3.601	27.818	34.690	41.332	2.112	0.63	1978
2200	3.559	34.980	6.04	3.379	27.833	34.714	41.364	2.204	0.67	2175
2400	3.382	34.970	6.04	3.185	27.844	34.733	41.391	2.295	0.68	2372
2600	3.195	34.960	6.05	2.981	27.855	34.752	41.418	2.385	0.63	2568
2800	2.990	34.948	6.04	2.760	27.866	34.772	41.446	2.474	0.58	2765
3000	2.844	34.938	6.10	2.597	27.872	34.785	41.466	2.562	0.53	2961
3200	2.690	34.929	6.11	2.425	27.880	34.800	41.488	2.648	0.52	3157
3400	2.585	34.922	6.18	2.301	27.885	34.810	41.503	2.735	0.50	3352
3533	2.518	34.918	6.12	2.221	27.888	34.817	41.513	2.792	0.44	3483

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
2	25.603	36.219	4.98	1.0	0.05	0.0	25.603	24.079	36.365	2
84	25.361	36.686	5.03	1.0	0.04	0.0	25.343	24.512	36.801	83
182	21.775	36.982	4.38	0.9	0.10	1.2	21.739	25.800	38.226	181
284	18.027	36.510	4.41	1.7	0.29	5.0	17.977	26.436	39.039	282
383	16.439	36.265	4.22	3.2	0.55	9.1	16.377	26.634	39.321	380
482	13.583	35.776	3.51	6.9	1.04	17.1	13.514	26.890	39.737	478
582	11.110	35.393	3.20	11.3	1.41	23.0	11.036	27.076	40.074	578
679	9.538	35.157	3.08	15.2	1.69	27.1	9.459	27.166	40.267	674
779	7.986	34.968	3.09	19.6	1.91	30.1	7.904	27.263	40.469	774
881	7.130	34.969	3.44	20.6	1.86	29.0	7.043	27.389	40.653	874
981	6.444	35.002	4.00	19.3	1.70	26.1	6.351	27.509	40.820	973
1182	5.297	35.038	5.04	15.7	1.40	21.4	5.194	27.683	41.076	1172
1383	4.637	35.027	5.58	14.0	1.27	19.4	4.521	27.752	41.195	1371
1583	4.212	35.008	5.81	14.4	1.25	18.9	4.081	27.784	41.261	1568
1784	3.966	35.000	5.90	14.9	1.24	18.7	3.820	27.805	41.302	1766
1984	3.777	34.991	5.95	16.0	1.24	18.6	3.615	27.819	41.332	1963
2183	3.574	34.984	5.96	17.2	1.25	18.9	3.395	27.835	41.365	2159
2385	3.398	34.971	5.99	19.1	1.25	18.7	3.202	27.843	41.389	2358
2584	3.223	34.963	6.00	20.7	1.27	19.0	3.011	27.855	41.415	2554
2783	3.013	34.950	6.02	22.4	1.26	18.9	2.784	27.865	41.444	2750
2988	2.852	34.939	6.03	23.3	1.26	18.7	2.606	27.872	41.465	2951
3190	2.700	34.933	6.09	24.4	1.26	18.6	2.436	27.882	41.489	3149
3438	2.571	34.921	6.13	25.5	1.24	18.5	2.283	27.885	41.505	3392
3536	2.519	34.917	6.13	26.3	1.26	18.6	2.222	27.887	41.512	3488

ENDEAVOR 129 STA= 19 LAT= 19 14.9N LON= 64 29.8W SONIC DEPTH= 5299m
 DATE 14/ 4/84

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	25.493	36.185	5.02	25.492	24.088	30.334	36.379	0.011	-1.04	3
25	25.505	36.184	4.81	25.500	24.084	30.331	36.375	0.096	0.58	25
50	25.442	36.184	4.83	25.431	24.106	30.354	36.399	0.191	3.28	50
75	25.153	36.263	4.89	25.136	24.256	30.508	36.559	0.285	5.08	75
100	25.215	36.693	4.82	25.193	24.564	30.812	36.858	0.374	6.77	99
150	23.024	37.069	4.39	22.993	25.508	31.796	37.881	0.524	7.47	149
200	19.946	36.753	4.14	19.909	26.125	32.484	38.635	0.634	5.09	199
250	18.408	36.564	4.22	18.364	26.381	32.777	38.965	0.726	3.66	248
300	17.490	36.437	4.28	17.439	26.513	32.933	39.143	0.809	2.28	298
350	16.743	36.297	4.18	16.685	26.587	33.027	39.257	0.889	2.39	348
400	15.603	36.111	3.96	15.540	26.708	33.181	39.441	0.965	3.01	397
450	14.165	35.869	3.68	14.098	26.839	33.353	39.652	1.035	2.84	447
500	12.959	35.663	3.43	12.890	26.929	33.480	39.814	1.100	2.48	496
600	10.881	35.340	3.05	10.805	27.077	33.693	40.090	1.219	2.23	595
700	9.032	35.071	2.92	8.954	27.181	33.860	40.316	1.326	1.80	695
800	7.808	34.925	2.93	7.725	27.256	33.977	40.475	1.424	1.67	794
900	6.814	34.851	3.06	6.727	27.339	34.096	40.628	1.516	1.80	893
1000	6.317	34.893	3.38	6.223	27.439	34.214	40.762	1.599	1.97	992
1200	5.593	35.042	4.80	5.485	27.651	34.450	41.023	1.737	1.72	1189
1400	4.745	35.031	5.53	4.626	27.743	34.575	41.178	1.846	1.06	1387
1600	4.309	35.011	5.78	4.176	27.777	34.626	41.246	1.946	0.79	1584
1800	4.014	34.998	5.90	3.866	27.799	34.661	41.293	2.041	0.66	1781
2000	3.783	34.990	5.94	3.619	27.817	34.689	41.330	2.136	0.71	1978
2200	3.563	34.979	5.94	3.382	27.832	34.713	41.364	2.228	0.64	2175
2400	3.356	34.968	5.95	3.159	27.845	34.735	41.394	2.319	0.59	2372
2600	3.197	34.960	5.94	2.983	27.855	34.752	41.417	2.409	0.63	2568
2800	3.017	34.948	5.92	2.787	27.863	34.769	41.442	2.498	0.55	2765
3000	2.805	34.936	6.01	2.558	27.874	34.788	41.471	2.586	0.67	2961
3200	2.653	34.926	6.05	2.389	27.881	34.802	41.492	2.672	0.55	3157
3400	2.549	34.920	6.07	2.266	27.886	34.813	41.507	2.757	0.50	3352
3600	2.460	34.914	6.08	2.158	27.890	34.821	41.520	2.843	0.49	3548
3800	2.388	34.908	6.10	2.065	27.893	34.828	41.530	2.928	0.37	3743
4000	2.350	34.904	6.07	2.005	27.894	34.832	41.537	3.015	0.30	3939
4200	2.330	34.901	6.06	1.964	27.895	34.835	41.541	3.103	0.31	4134
4400	2.318	34.898	6.05	1.928	27.896	34.837	41.545	3.192	0.23	4329
4600	2.302	34.894	6.04	1.889	27.896	34.839	41.548	3.283	0.24	4523
4800	2.292	34.890	6.02	1.855	27.895	34.840	41.550	3.376	0.27	4718
5000	2.257	34.883	5.98	1.796	27.894	34.841	41.554	3.471	0.36	4912
5200	2.179	34.870	5.88	1.695	27.891	34.843	41.560	3.566	0.57	5106
5400	1.971	34.842	5.68	1.469	27.886	34.847	41.573	3.661	0.67	5300
5413	1.967	34.841	5.71	1.463	27.885	34.846	41.573	3.667	0.24	5313

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
3	25.473	36.188	4.93	1.3	0.03	0.0	25.473	24.096	36.388	3
84	25.184	36.628	4.97	1.1	0.03	0.1	25.166	24.523	36.819	83
285	18.005	36.519	4.22	2.1	0.33	5.9	17.956	26.448	39.052	283
683	9.215	35.101	2.98	15.9	1.75	28.1	9.138	27.175	40.297	678
1081	6.052	34.961	4.00	20.5	1.73	27.0	5.952	27.528	40.869	1073
1281	5.160	35.047	5.19	14.4	1.35	20.6	5.048	27.707	41.111	1270
1482	4.493	35.025	5.72	13.6	1.26	19.2	4.369	27.767	41.222	1468
1683	4.118	35.006	5.88	14.2	1.24	18.9	3.979	27.793	41.278	1667
1882	3.894	34.997	5.96	15.2	1.24	18.9	3.739	27.811	41.314	1863
2284	3.471	34.977	5.98	18.1	1.26	19.0	3.284	27.840	41.379	2259
2484	3.273	34.969	6.01	19.9	1.26	19.0	3.070	27.854	41.410	2456
2683	3.114	34.960	5.98	22.1	1.28	19.2	2.894	27.863	41.433	2651
2979	2.818	34.939	6.08	23.2	1.26	18.9	2.573	27.875	41.471	2942
3285	2.601	34.924	6.12	24.8	1.26	18.6	2.329	27.884	41.500	3242
3586	2.465	34.915	6.13	26.5	1.27	18.7	2.164	27.890	41.520	3536
3988	2.359	34.905	6.14	29.4	1.29	19.1	2.016	27.894	41.536	3930
4188	2.341	34.902	6.12	30.5	1.30	19.2	1.975	27.895	41.540	4124
4485	2.319	34.893	6.08	32.9	1.32	19.5	1.919	27.892	41.542	4414
4789	2.300	34.891	6.03	36.0	1.36	20.0	1.864	27.895	41.549	4710
5090	2.241	34.880	5.95	42.3	1.43	20.9	1.769	27.894	41.556	5003
5417	1.972	34.843	5.71	61.4	1.65	24.1	1.468	27.887	41.575	5320

ENDEAVOR 129 STA= 20
DATE 14/ 4/84

LAT= 19 30.0N LON= 64 29.9W

SONIC DEPTH= 6129m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	25.535	36.262	4.96	25.534	24.133	30.378	36.421	0.011	-0.63	3
25	25.541	36.262	4.92	25.536	24.132	30.377	36.420	0.095	0.38	25
50	25.541	36.262	4.96	25.530	24.134	30.379	36.423	0.189	1.25	50
75	25.323	36.378	4.99	25.306	24.291	30.540	36.586	0.284	7.11	75
100	25.048	36.813	4.81	25.026	24.706	30.956	37.004	0.370	6.99	99
150	22.457	36.919	4.37	22.426	25.557	31.859	37.956	0.514	6.58	149
200	19.665	36.666	4.40	19.628	26.133	32.499	38.657	0.626	5.55	199
250	18.376	36.561	4.26	18.332	26.386	32.783	38.972	0.717	3.51	248
300	17.438	36.426	4.52	17.387	26.517	32.939	39.150	0.801	2.53	298
350	16.667	36.294	4.36	16.609	26.602	33.045	39.276	0.880	2.56	348
400	15.511	36.094	4.11	15.449	26.716	33.191	39.453	0.955	2.95	397
450	14.076	35.842	3.66	14.010	26.837	33.353	39.655	1.025	2.69	447
500	12.577	35.585	3.31	12.508	26.945	33.507	39.853	1.089	2.51	496
600	10.329	35.210	2.97	10.257	27.072	33.707	40.122	1.207	1.92	595
700	8.851	34.994	2.86	8.773	27.150	33.835	40.298	1.316	1.65	695
800	8.069	34.937	2.87	7.984	27.227	33.940	40.428	1.418	1.76	794
900	7.146	34.864	2.95	7.056	27.304	34.050	40.570	1.512	1.72	893
1000	6.345	34.821	3.13	6.251	27.379	34.153	40.701	1.600	1.99	992
1200	5.587	34.969	4.25	5.479	27.593	34.394	40.968	1.748	1.75	1189
1400	4.844	35.025	5.34	4.724	27.727	34.556	41.156	1.864	1.23	1387
1600	4.377	35.013	5.72	4.243	27.771	34.618	41.235	1.966	0.92	1584
1800	4.049	34.998	5.86	3.900	27.795	34.656	41.286	2.063	0.73	1781
2000	3.769	34.990	5.91	3.605	27.819	34.691	41.333	2.158	0.78	1978
2200	3.515	34.978	5.91	3.335	27.836	34.719	41.371	2.249	0.68	2175
2400	3.293	34.966	5.95	3.098	27.849	34.741	41.403	2.339	0.63	2372
2600	3.110	34.954	5.96	2.898	27.858	34.759	41.428	2.428	0.57	2568
2800	2.957	34.945	5.98	2.728	27.866	34.774	41.449	2.515	0.55	2765
3000	2.810	34.937	5.95	2.563	27.874	34.788	41.471	2.602	0.59	2961
3200	2.662	34.927	6.02	2.398	27.880	34.801	41.490	2.689	0.51	3157
3400	2.525	34.918	6.03	2.243	27.886	34.814	41.509	2.774	0.50	3352
3600	2.451	34.913	6.03	2.148	27.890	34.822	41.521	2.859	0.51	3548
3800	2.382	34.907	6.07	2.060	27.893	34.828	41.531	2.945	0.38	3743
4000	2.338	34.903	6.06	1.994	27.895	34.833	41.538	3.031	0.34	3939
4200	2.318	34.900	6.06	1.952	27.896	34.836	41.542	3.119	0.29	4134
4400	2.305	34.897	6.06	1.916	27.896	34.838	41.546	3.208	0.24	4329
4600	2.298	34.894	6.04	1.884	27.896	34.839	41.548	3.299	0.24	4523
4800	2.292	34.890	6.02	1.855	27.895	34.839	41.550	3.392	0.26	4718
5000	2.253	34.882	5.98	1.792	27.894	34.841	41.554	3.486	0.40	4912
5200	2.135	34.864	5.86	1.653	27.890	34.843	41.562	3.581	0.55	5106
5400	2.013	34.846	5.73	1.509	27.886	34.845	41.570	3.676	0.44	5300
5600	1.965	34.837	5.67	1.437	27.884	34.846	41.574	3.771	0.31	5494
5800	1.965	34.833	5.64	1.410	27.883	34.847	41.576	3.866	0.17	5688
6000	1.981	34.832	5.64	1.399	27.883	34.847	41.577	3.964	0.10	5882
6200	2.007	34.832	5.64	1.397	27.883	34.847	41.577	4.064	0.07	6075
6245	2.013	34.832	5.66	1.396	27.883	34.847	41.577	4.087	0.17	6118

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
11	25.525	36.289	4.91	1.2	0.04	0.0	25.523	24.157	36.445	11
84	25.385	36.506	5.03	1.3	0.05	0.0	25.367	24.369	36.659	83
383	16.119	36.200	4.27	3.5	0.58	9.6	16.057	26.659	39.363	381
683	8.851	34.977		17.0	1.91	29.5	8.776	27.136	40.284	678
1000	6.380	34.826		24.2	2.10	32.0	6.286	27.378	40.698	992
1285	5.324	34.988	4.99	16.3	1.45	21.9	5.210	27.641	41.035	1274
1587	4.374	35.016	5.72	13.9	1.26	18.9	4.242	27.773	41.238	1572
1885	3.926	34.999	5.88	15.1	1.27	18.7	3.771	27.809	41.310	1866
2204	3.528	34.981	5.93	17.8	1.28	18.9	3.347	27.837	41.371	2180
2485	3.231	34.964	5.98	20.2	1.28	18.9	3.028	27.854	41.413	2457
2740	3.002	34.949	5.98	22.3	1.29	19.0	2.778	27.865	41.444	2708
3087	2.763	34.937	6.00	26.1	1.33	19.2	2.509	27.879	41.480	3048
3385	2.558	34.922	6.05	26.6	1.30	19.0	2.276	27.887	41.507	3340
3687	2.428	34.914	6.10	27.6	1.30	18.9	2.117	27.893	41.527	3635
3989	2.355	34.907	6.07	29.7	1.31	19.0	2.012	27.896	41.538	3930
4283	2.325	34.900	6.06	32.1	1.33	19.3	1.949	27.896	41.543	4217
4592	2.307	34.895	6.01	34.4	1.36	19.6	1.894	27.896	41.548	4518
4892	2.296	34.889		37.3	1.41	20.1	1.847	27.895	41.551	4810
5191	2.174	34.869	5.85	47.7	1.51	21.8	1.691	27.891	41.560	5101
5492	1.998		5.72	60.3	1.67	23.9				5393
5737	1.972	34.835	5.67	63.7	1.69	24.4	1.425	27.883	41.575	5630
5990	1.989	34.833	5.62	64.9	1.70	24.6	1.408	27.883	41.576	5875

6139	2.008	34.832	5.64	65.0	1.70	24.6	1.406	27.882	41.576	6019
6250	2.022	34.833	5.64	65.3	1.71	24.6	1.404	27.883	41.577	6127

ENDEAVOR 129 STA= 21
DATE 14/ 4/84

LAT= 19 45.9N LON= 64 30.0W

SONIC DEPTH= 7699m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	25.410	36.235	4.96	25.409	24.151	30.398	36.444	0.011	0.19	3
25	25.414	36.235	4.87	25.408	24.151	30.399	36.444	0.094	0.29	25
50	25.412	36.234	4.86	25.401	24.153	30.401	36.447	0.188	1.15	50
75	25.146	36.260	4.96	25.130	24.256	30.509	36.559	0.282	5.55	75
100	24.773	36.683	5.00	24.751	24.691	30.948	37.002	0.370	7.16	99
150	22.638	36.849	4.66	22.607	25.452	31.750	37.844	0.517	6.83	149
200	20.482	36.840	4.21	20.444	26.048	32.393	38.532	0.632	5.50	199
250	18.577	36.577	4.36	18.533	26.348	32.740	38.923	0.726	3.38	248
300	17.735	36.469	4.48	17.683	26.477	32.891	39.096	0.811	2.66	298
350	16.970	36.349	4.50	16.912	26.572	33.006	39.230	0.892	2.52	348
400	15.893	36.166	4.23	15.829	26.685	33.149	39.401	0.969	3.00	397
450	14.287	35.869	3.73	14.220	26.813	33.323	39.620	1.040	2.77	447
500	12.584	35.553	3.30	12.515	26.919	33.481	39.827	1.106	2.63	496
600	9.973	35.118	2.89	9.902	27.061	33.708	40.134	1.225	2.03	595
700	8.816	34.967	2.84	8.738	27.134	33.821	40.285	1.335	1.69	695
800	8.108	34.930	2.88	8.024	27.216	33.927	40.414	1.438	1.63	794
900	7.335	34.883	2.94	7.245	27.293	34.031	40.545	1.534	1.69	893
1000	6.522	34.843	3.13	6.426	27.373	34.141	40.683	1.624	1.93	992
1200	5.641	35.021	4.62	5.533	27.628	34.426	40.997	1.772	1.93	1189
1400	4.849	35.038	5.47	4.729	27.737	34.565	41.165	1.885	1.17	1387
1600	4.295	35.010	5.79	4.162	27.777	34.628	41.248	1.985	0.80	1584
1800	4.014	34.999	5.89	3.866	27.800	34.662	41.293	2.081	0.74	1781
2000	3.771	34.990	5.93	3.606	27.819	34.691	41.333	2.175	0.70	1978
2200	3.528	34.978	5.94	3.348	27.835	34.717	41.369	2.266	0.69	2175
2400	3.284	34.965	5.94	3.088	27.849	34.742	41.404	2.356	0.66	2372
2600	3.099	34.954	5.97	2.888	27.859	34.760	41.430	2.444	0.61	2568
2800	2.919	34.943	5.98	2.690	27.868	34.777	41.455	2.532	0.62	2765
3000	2.748	34.933	6.02	2.503	27.876	34.793	41.478	2.618	0.58	2961
3200	2.620	34.925	6.03	2.357	27.882	34.805	41.495	2.703	0.55	3157
3400	2.501	34.916	6.05	2.219	27.887	34.816	41.512	2.787	0.50	3352
3600	2.418	34.910	6.01	2.117	27.890	34.823	41.523	2.872	0.45	3548
3800	2.356	34.905	6.04	2.035	27.893	34.829	41.533	2.957	0.38	3743
4000	2.320	34.902	6.05	1.976	27.895	34.834	41.540	3.042	0.31	3939
4200	2.303	34.899	6.07	1.937	27.896	34.837	41.544	3.130	0.28	4134
4400	2.293	34.896	6.05	1.904	27.896	34.838	41.547	3.218	0.23	4328
4600	2.286	34.893	6.05	1.873	27.896	34.839	41.549	3.309	0.26	4523
4800	2.265	34.888	6.02	1.829	27.895	34.841	41.552	3.401	0.28	4718
5000	2.221	34.878	5.94	1.760	27.893	34.841	41.556	3.496	0.42	4912
5200	2.087	34.858	5.83	1.606	27.889	34.844	41.565	3.590	0.53	5106
5400	1.994	34.844	5.73	1.491	27.886	34.846	41.572	3.684	0.40	5300
5600	1.977	34.838	5.67	1.449	27.884	34.846	41.574	3.778	0.24	5494
5800	1.975	34.835	5.69	1.420	27.884	34.847	41.576	3.874	0.20	5688
6000	1.987	34.834	5.68	1.405	27.884	34.848	41.577	3.972	0.17	5881
6200	2.010	34.833	5.69	1.399	27.884	34.848	41.577	4.072	0.10	6075
6400	2.034	34.833	5.70	1.395	27.884	34.848	41.578	4.175	0.08	6268
6539	2.052	34.832	5.76	1.392	27.883	34.847	41.578	4.247	0.06	6402

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
3	25.512	36.246	4.97	1.5	0.02	0.0	25.512	24.128	36.417	3
84	25.183	36.535	4.95	1.3	0.03	0.0	25.164	24.453	36.751	83
183	20.778	36.776	4.26	0.9	0.08	1.5	20.743	25.918	38.391	182
382	16.075	36.205	4.11	3.3	0.56	9.6	16.013	26.673	39.379	380
583	10.435	35.190	2.90	13.0	1.62	26.0	10.364	27.038	40.081	579
783	8.288	34.943	2.92	18.5	1.92	30.4	8.204	27.199	40.385	778
983	6.606	34.848	3.15	23.3	2.05	31.8	6.511	27.366	40.670	976
1385	4.843	35.037	5.48				4.725	27.737	41.165	1373
1583	4.317	35.018	5.80	13.6	1.25	19.0	4.186	27.781	41.250	1568
1983	3.790	34.995	5.94	15.8	1.25	18.9	3.628	27.821	41.333	1963
2384	3.294	34.968	5.99	19.7	1.26	19.0	3.100	27.850	41.404	2357
2785	2.918	34.944	6.07	22.4	1.26	18.9	2.691	27.869	41.455	2751
3187	2.632	34.926	6.09	24.6	1.26	18.7	2.370	27.882	41.494	3145
3588	2.436	34.910	6.07	29.1	1.30	19.3	2.136	27.889	41.520	3538
3989	2.337	34.901	6.09	31.0	1.31	19.4	1.995	27.893	41.536	3930
4390	2.303	34.896	6.09	32.7	1.32	19.5	1.915	27.895	41.545	4321
4790	2.283	34.888	6.02	36.8	1.37	20.1	1.848	27.894	41.550	4711
5191	2.118	34.863	5.80	50.5	1.52	22.4	1.637	27.890	41.564	5100
5590	1.986	34.841	5.69	61.6	1.65	24.1	1.459	27.886	41.574	5488
5989	1.996	34.832	5.63	64.1	1.67	24.4	1.415	27.882	41.574	5875
6517	2.059	34.831	5.63	65.0	1.68	24.6	1.402	27.882	41.576	6385

7010	2.131	34.831	5.65	65.1	1.69	24.6	1.400	27.882	41.576	6873
7200	2.160	34.831	5.60	65.3	1.69	24.7	1.399	27.882	41.576	7059

ENDEAVOR 129 STA= 22
DATE 14/ 4/84

LAT= 19 59.9N LON= 64 29.9W

SONIC DEPTH= 6495m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	25.574	36.226	5.06	25.573	24.093	30.338	36.381	0.004	2.47	1
25	25.457	36.231	4.80	25.451	24.135	30.382	36.427	0.095	1.62	25
50	25.441	36.230	4.83	25.430	24.141	30.388	36.433	0.190	0.80	50
75	25.176	36.228	4.93	25.159	24.222	30.475	36.525	0.284	5.97	75
100	24.873	36.617	4.82	24.851	24.611	30.866	36.919	0.373	6.51	99
150	23.442	36.937	4.54	23.411	25.285	31.566	37.644	0.526	6.71	149
200	20.567	36.805	4.26	20.529	25.999	32.343	38.480	0.646	6.11	199
250	18.540	36.565	4.41	18.495	26.348	32.741	38.926	0.741	3.58	248
300	17.722	36.465	4.42	17.671	26.477	32.892	39.096	0.826	2.59	298
350	16.986	36.354	4.53	16.927	26.572	33.006	39.230	0.907	2.33	348
400	16.204	36.215	4.28	16.139	26.651	33.107	39.351	0.984	2.87	397
450	14.841	35.982	3.93	14.772	26.780	33.274	39.555	1.057	2.17	447
500	13.947	35.822	3.65	13.874	26.850	33.370	39.676	1.127	2.94	496
600	11.383	35.392	3.13	11.305	27.026	33.626	40.007	1.251	1.98	595
700	10.290	35.290	3.12	10.205	27.143	33.779	40.194	1.364	2.07	695
800	8.740	35.089	3.05	8.651	27.244	33.932	40.398	1.468	2.11	794
900	7.698	35.020	3.28	7.605	27.348	34.072	40.573	1.561	2.01	893
1000	6.672	34.978	3.63	6.576	27.460	34.221	40.756	1.645	1.99	992
1200	5.527	35.037	4.86	5.420	27.655	34.457	41.032	1.780	1.65	1189
1400	4.730	35.030	5.56	4.611	27.744	34.577	41.181	1.889	1.12	1387
1600	4.274	35.011	5.84	4.141	27.780	34.631	41.252	1.988	0.82	1584
1800	3.989	34.998	5.94	3.841	27.802	34.664	41.297	2.083	0.68	1781
2000	3.751	34.989	5.94	3.587	27.820	34.693	41.335	2.176	0.70	1978
2200	3.509	34.978	5.96	3.329	27.837	34.720	41.372	2.267	0.70	2175
2400	3.260	34.964	5.98	3.065	27.850	34.744	41.407	2.356	0.67	2372
2600	3.049	34.951	5.99	2.838	27.861	34.764	41.436	2.444	0.62	2568
2800	2.867	34.941	6.04	2.640	27.870	34.782	41.461	2.529	0.56	2765
3000	2.729	34.932	6.05	2.484	27.877	34.795	41.480	2.615	0.56	2961
3200	2.595	34.923	6.08	2.333	27.883	34.807	41.499	2.699	0.50	3157
3400	2.498	34.917	6.11	2.216	27.888	34.817	41.513	2.783	0.44	3352
3600	2.428	34.912	6.11	2.126	27.891	34.824	41.524	2.868	0.42	3548
3800	2.373	34.908	6.10	2.051	27.894	34.830	41.532	2.953	0.39	3743
4000	2.340	34.903	6.10	1.996	27.894	34.833	41.538	3.039	0.34	3938
4200	2.321	34.901	6.10	1.955	27.896	34.836	41.543	3.126	0.28	4134
4400	2.309	34.898	6.06	1.919	27.896	34.838	41.546	3.215	0.24	4328
4600	2.307	34.895	6.08	1.893	27.896	34.839	41.548	3.307	0.25	4523
4800	2.284	34.890	6.06	1.847	27.896	34.840	41.551	3.399	0.31	4718
5000	2.245	34.882	6.01	1.784	27.894	34.842	41.555	3.494	0.43	4912
5200	2.123	34.864	5.91	1.641	27.891	34.844	41.564	3.589	0.55	5106
5400	2.049	34.851	5.78	1.544	27.888	34.845	41.569	3.683	0.38	5300
5600	1.990	34.841	5.72	1.462	27.885	34.847	41.574	3.778	0.31	5494
5800	1.983	34.837	5.71	1.428	27.884	34.847	41.576	3.874	0.18	5688
6000	1.998	34.835	5.70	1.416	27.884	34.847	41.577	3.972	0.16	5881
6200	2.018	34.834	5.73	1.408	27.884	34.848	41.577	4.073	0.14	6075
6400	2.040	34.833	5.70	1.400	27.884	34.848	41.578	4.175	0.11	6268
6537	2.057	34.833	5.71	1.397	27.884	34.848	41.578	4.247	0.07	6400

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
0	25.504	36.185	4.86	1.2	0.03	0.0	25.504	24.084	36.374	0
83	25.187	36.452	4.89	1.1	0.03	0.0	25.169	24.389	36.688	82
183	21.831	36.819	4.46	0.9	0.07	0.6	21.795	25.660	38.087	182
283	18.242	36.537	4.34	2.6	0.45	7.6	18.192	26.403	38.996	281
382	16.898	36.345	4.34				16.834	26.588	39.250	379
582	12.284	35.584	3.39	9.3	1.24	20.2	12.205	27.004	39.929	577
780	8.766	35.091	3.17	17.2	1.76	27.9	8.680	27.241	40.393	774
982	6.784	34.969	3.64	20.7	1.82	28.2	6.688	27.438	40.726	974
1182	5.640	35.038	4.78	16.2	1.46	22.3	5.533	27.642	41.011	1172
1384	4.759	35.033	5.50	13.8	1.29	19.6	4.641	27.743	41.177	1372
1582	4.295	35.014	5.76	13.8	1.25	19.0	4.164	27.780	41.251	1568
1785	4.004	35.001	5.87	14.7	1.24		3.857	27.802	41.296	1768
1988	3.757	34.992	5.92	16.2	1.25		3.595	27.822	41.336	1967
2384	3.277	34.966	5.93	20.0	1.26	19.0	3.084	27.850	41.405	2358
2786	2.882	34.942	6.01	23.0	1.27		2.656	27.870	41.459	2752
3186	2.592	34.923	6.06	24.7	1.26		2.331	27.883	41.499	3145
3585	2.433	34.912	6.07	27.1	1.27	19.0	2.133	27.891	41.522	3535
3989	2.346	34.903	6.06	30.4	1.31	19.4	2.004	27.894	41.536	3930
4390	2.320	34.897	6.02	32.4	1.32		1.932	27.895	41.543	4321
4791	2.296	34.891	5.98	36.5	1.36		1.860	27.895	41.550	4712
5292	2.072	34.854	5.71	54.5	1.56		1.580	27.887	41.566	5198

5786	1.991	34.835	5.58	63.2	1.67	1.438	27.882	41.573	5678
6268	2.035	34.832	5.64	64.5	1.67	1.414	27.882	41.574	6144
6642	2.076	34.831	5.61	65.2	1.69	1.400	27.882	41.576	6518

ENDEAVOR 129 STA= 23
DATE 15/ 4/84

LAT= 20 29.9N LON= 64 30.1W

SONIC DEPTH= 5046m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	25.538	36.180	4.76	25.538	24.069	30.315	36.359	0.004	-1.74	1
25	25.557	36.172	4.72	25.551	24.059	30.305	36.349	0.096	1.03	25
50	25.547	36.173	4.73	25.536	24.065	30.311	36.355	0.193	0.44	50
75	25.547	36.174	4.71	25.530	24.068	30.314	36.358	0.289	1.37	75
100	25.493	36.521	4.70	25.471	24.349	30.593	36.635	0.384	6.44	99
150	24.376	36.978	4.48	24.343	25.038	31.300	37.360	0.552	7.63	149
200	20.845	36.785	4.16	20.807	25.908	32.246	38.378	0.680	6.67	199
250	18.862	36.606	4.03	18.817	26.297	32.682	38.859	0.777	3.52	248
300	17.905	36.491	4.25	17.853	26.452	32.862	39.062	0.865	2.73	298
350	17.296	36.403	4.29	17.237	26.535	32.961	39.177	0.947	2.33	348
400	16.470	36.261	4.15	16.404	26.625	33.073	39.310	1.026	2.80	397
450	15.066	36.021	3.82	14.996	26.761	33.249	39.523	1.101	2.56	447
500	14.276	35.889	3.58	14.201	26.832	33.343	39.639	1.171	2.24	496
600	12.404	35.589	3.37	12.322	26.985	33.552	39.903	1.301	2.44	595
700	9.961	35.243	3.18	9.878	27.163	33.810	40.236	1.415	2.35	695
800	8.036	34.990	3.13	7.952	27.274	33.986	40.476	1.515	2.06	794
900	7.070	34.954	3.36	6.981	27.385	34.132	40.654	1.603	1.93	893
1000	6.432	34.992	3.87	6.337	27.502	34.272	40.815	1.682	2.00	991
1200	5.339	35.033	4.93	5.233	27.674	34.483	41.065	1.810	1.41	1189
1400	4.644	35.026	5.51	4.526	27.750	34.586	41.193	1.917	1.09	1387
1600	4.195	35.006	5.80	4.063	27.784	34.638	41.263	2.015	0.81	1584
1800	3.920	34.995	5.88	3.773	27.806	34.671	41.307	2.109	0.71	1781
2000	3.663	34.984	5.90	3.501	27.824	34.701	41.347	2.201	0.76	1978
2200	3.456	34.974	5.91	3.278	27.838	34.724	41.378	2.291	0.67	2175
2400	3.229	34.961	5.92	3.035	27.851	34.746	41.409	2.379	0.65	2372
2600	3.019	34.948	5.95	2.809	27.861	34.766	41.438	2.466	0.63	2568
2800	2.818	34.937	5.95	2.592	27.871	34.785	41.466	2.552	0.60	2764
3000	2.694	34.927	5.92	2.449	27.876	34.796	41.482	2.636	0.47	2961
3200	2.590	34.922	5.92	2.327	27.882	34.806	41.498	2.720	0.47	3156
3400	2.489	34.915	5.94	2.208	27.887	34.816	41.513	2.805	0.49	3352
3600	2.408	34.909	5.95	2.107	27.890	34.823	41.524	2.889	0.44	3548
3800	2.358	34.905	5.97	2.036	27.893	34.829	41.532	2.974	0.36	3743
4000	2.322	34.901	5.98	1.978	27.894	34.833	41.539	3.060	0.33	3938
4200	2.307	34.898	5.98	1.941	27.895	34.836	41.543	3.147	0.24	4133
4400	2.302	34.896	5.96	1.913	27.896	34.837	41.546	3.236	0.24	4328
4600	2.285	34.891	5.95	1.872	27.895	34.838	41.549	3.327	0.30	4523
4800	2.250	34.885	5.93	1.814	27.894	34.840	41.552	3.420	0.31	4717
5000	2.195	34.875	5.86	1.736	27.892	34.841	41.557	3.513	0.50	4912
5131	2.086	34.859	5.78	1.614	27.888	34.843	41.564	3.575	0.32	5039

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
1	25.553	36.174	4.90	1.0	0.02	0.0	25.553	24.060	36.349	1
83	25.529	36.182	5.23	1.2	0.03	0.0	25.511	24.080	36.370	83
184	22.576	36.924	4.37	1.1	0.07	1.0	22.539	25.528	37.922	182
382	16.819	36.326	4.29	3.1	0.46	7.9	16.756	26.592	39.258	380
584	12.587	35.625	3.35	9.1	1.20	19.6	12.507	26.977	39.883	580
783	8.392	35.035	3.07	18.5	1.85	29.2	8.307	27.255	40.433	777
982	6.549	35.006	3.89	19.9	1.72	26.7	6.455	27.498	40.802	974
1183	5.376	35.038	4.95	16.2	1.43	21.7	5.272	27.673	41.061	1173
1382	4.695	35.016	5.56	14.3	1.29	19.7	4.578	27.736	41.176	1370
1581	4.248	35.000	5.81	14.1	1.25	19.0	4.117	27.774	41.248	1566
1780	3.934	35.008	5.92	15.2	1.25	18.9	3.789	27.815	41.314	1763
1983	3.699	34.987	5.98	16.8	1.26	19.0	3.538	27.823	41.342	1963
2183	3.465	34.968	5.95	18.8	1.26	19.0	3.287	27.833	41.371	2160
2383	3.243		6.00	20.2	1.27	19.0				2357
2584	3.047	34.953	6.01	21.9	1.27	18.9	2.837	27.863	41.437	2554
2785	2.859	34.944	6.02	23.2	1.28	18.9	2.633	27.874	41.465	2751
2987	2.705	34.931	6.05	27.1	1.32	19.5	2.462	27.878	41.483	2950
3288	2.560	34.921	6.01	28.5	1.32	19.5	2.289	27.885	41.504	3244
3587	2.425	34.916	6.05	29.4	1.31	19.3	2.125	27.894	41.527	3537
3888	2.355	34.911	6.03	30.4	1.31	19.4	2.023	27.899	41.539	3831
4186	2.318	34.900	6.02	31.6	1.32	19.4	1.953	27.895	41.542	4123
4491	2.305	34.897	6.00	33.7	1.35	19.7	1.904	27.897	41.548	4420
4790	2.257	34.885	6.00	38.9	1.40	20.5	1.822	27.894	41.551	4711
5138	2.095	34.860	5.83	52.1	1.55	22.6	1.621	27.889	41.564	5049

ENDEAVOR 129 STA= 24 LAT= 20 59.9N LON= 64 29.6W SONIC DEPTH= 5172m
 DATE 15/ 4/84

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	25.616	36.090	4.78	25.615	23.978	30.223	36.266	0.012	-1.00	3
25	25.628	36.088	4.71	25.622	23.974	30.219	36.262	0.098	0.34	25
50	25.624	36.088	4.69	25.613	23.977	30.222	36.265	0.197	1.69	50
75	25.337	36.269	4.72	25.320	24.204	30.453	36.500	0.294	7.33	75
100	24.864	36.542	4.67	24.842	24.557	30.813	36.867	0.383	6.17	99
150	23.376	36.874	4.30	23.345	25.257	31.540	37.619	0.539	6.66	149
200	21.468	36.993	3.98	21.429	25.895	32.217	38.334	0.662	5.55	199
250	19.474	36.709	3.61	19.429	26.218	32.588	38.750	0.764	4.32	248
300	17.892	36.462	3.65	17.840	26.433	32.844	39.044	0.854	3.41	298
350	16.636	36.243	3.48	16.578	26.570	33.014	39.247	0.936	2.87	348
400	15.175	35.978	3.33	15.113	26.702	33.187	39.459	1.012	3.06	397
450	14.143	35.827	3.36	14.077	26.811	33.326	39.626	1.082	2.60	447
500	13.086	35.651	3.24	13.016	26.895	33.442	39.772	1.149	2.53	496
600	11.350	35.414	3.18	11.273	27.048	33.649	40.032	1.271	2.21	595
700	9.243	35.132	3.12	9.163	27.196	33.866	40.316	1.381	2.41	695
800	7.732	34.986	3.19	7.649	27.315	34.038	40.538	1.476	1.94	794
900	7.008	34.977	3.50	6.919	27.412	34.161	40.684	1.561	1.93	893
1000	6.454	35.013	4.02	6.359	27.517	34.285	40.828	1.638	2.05	991
1200	5.262	35.044	5.07	5.157	27.692	34.504	41.088	1.762	1.46	1189
1400	4.539	35.025	5.60	4.422	27.761	34.601	41.212	1.864	0.98	1387
1600	4.124	35.006	5.80	3.993	27.791	34.648	41.275	1.959	0.79	1584
1800	3.831	34.994	5.85	3.685	27.814	34.683	41.322	2.051	0.73	1781
2000	3.594	34.986	5.84	3.433	27.833	34.712	41.360	2.141	0.68	1978
2200	3.370	34.974	5.85	3.193	27.847	34.735	41.393	2.228	0.65	2175
2400	3.134	34.958	5.86	2.942	27.857	34.756	41.424	2.315	0.62	2372
2600	2.970	34.949	5.85	2.760	27.866	34.773	41.447	2.400	0.56	2568
2800	2.808	34.939	5.86	2.582	27.874	34.788	41.469	2.484	0.57	2764
3000	2.669	34.929	5.91	2.425	27.880	34.800	41.488	2.568	0.52	2960
3200	2.545	34.921	5.94	2.284	27.885	34.811	41.505	2.651	0.55	3156
3400	2.433	34.914	5.96	2.153	27.890	34.822	41.520	2.734	0.43	3352
3600	2.370	34.909	5.98	2.070	27.893	34.828	41.530	2.817	0.36	3548
3800	2.336	34.905	5.98	2.015	27.894	34.832	41.536	2.901	0.34	3743
4000	2.308	34.902	5.96	1.965	27.896	34.835	41.542	2.986	0.30	3938
4200	2.292	34.899	5.95	1.926	27.897	34.838	41.546	3.073	0.28	4133
4400	2.285	34.896	5.93	1.896	27.897	34.839	41.548	3.161	0.24	4328
4600	2.276	34.892	5.93	1.863	27.896	34.840	41.550	3.251	0.23	4523
4800	2.260	34.887	5.90	1.824	27.895	34.840	41.553	3.344	0.31	4717
5000	2.207	34.877	5.84	1.747	27.893	34.842	41.557	3.438	0.44	4912
5200	2.047	34.855	5.74	1.568	27.889	34.845	41.568	3.531	0.57	5106
5400	2.007	34.846	5.65	1.504	27.886	34.846	41.571	3.624	0.17	5300
5425	2.010	34.846	5.66	1.503	27.886	34.846	41.571	3.636	0.22	5324

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
84	25.021	36.466	4.78	1.2	0.03	0.0	25.003	24.451	36.755	84
183	21.919	37.134	4.15	1.1	0.09	1.5	21.883	25.875	38.293	182
282	18.479	36.560	3.73	2.8	0.47	8.0	18.430	26.361	38.942	280
383	15.722	36.080	3.45	5.4	0.84	14.0	15.661	26.657	39.384	381
483	13.777	35.767	3.42	7.8	1.07	17.5	13.707	26.843	39.679	480
582	11.426	35.417	3.23	11.6	1.41	22.7	11.351	27.036	40.015	578
783	8.195	35.042	3.29	19.3	1.83	28.6	8.112	27.290	40.481	777
982	6.534	35.003	4.00	19.8	1.73	26.3	6.440	27.498	40.803	975
1181	5.305	35.046	5.13	15.5	1.40	21.1	5.202	27.688	41.081	1171
1381	4.580	35.032	5.61	14.2	1.28	19.3	4.465	27.762	41.209	1369
1583	4.159	35.009	5.79	14.4	1.26	18.9	4.030	27.790	41.271	1568
1783	3.893	35.000	5.90	15.8	1.26	18.7	3.748	27.812	41.315	1766
1983	3.643	34.991	5.88	17.9	1.28	19.0	3.482	27.832	41.355	1963
2184	3.399	34.976	5.88	20.2	1.29	19.2	3.223	27.845	41.389	2160
2385	3.178	34.963	5.92	22.1	1.29	19.2	2.986	27.857	41.420	2358
2585	2.995	34.952	5.92	24.7	1.31	19.5	2.787	27.866	41.445	2555
2986	2.679	34.930	6.01	25.9	1.29	19.1	2.437	27.879	41.486	2949
3490	2.411	34.913	6.10	28.1	1.29	19.0	2.122	27.892	41.525	3443
3990	2.318	34.902	6.03	31.7	1.32	19.4	1.975	27.895	41.540	3931
4488	2.291	34.895	6.01	35.0	1.36	19.9	1.892	27.896	41.548	4417
4990	2.221	34.881	5.92	43.3	1.45	21.1	1.762	27.895	41.558	4905
5332	2.016	34.848	5.71	58.7	1.60	23.5	1.521	27.887	41.570	5237
5430	2.020	34.846	5.67	59.1	1.62	23.6	1.512	27.886	41.570	5333

ENDEAVOR 129 STA= 25
DATE 15/ 4/84

LAT= 21 29.9N LON= 64 30.1W

SONIC DEPTH= 5546m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	25.391	35.837	5.21	25.391	23.856	30.107	36.156	0.004	7.43	1
25	25.409	36.147	4.66	25.404	24.086	30.335	36.381	0.096	1.85	25
50	24.771	36.492	4.71	24.760	24.544	30.802	36.858	0.189	8.09	50
75	24.240	36.668	4.78	24.224	24.839	31.106	37.170	0.270	5.99	75
100	23.457	36.667	4.76	23.437	25.073	31.356	37.435	0.346	5.27	99
150	21.679	36.737	4.61	21.649	25.639	31.959	38.073	0.480	6.28	149
200	19.636	36.729	4.10	19.599	26.188	32.554	38.712	0.587	4.69	199
250	18.174	36.521	4.34	18.130	26.406	32.808	39.002	0.676	2.85	248
300	17.570	36.448	4.36	17.519	26.502	32.920	39.128	0.759	2.33	298
350	16.792	36.316	4.20	16.734	26.589	33.028	39.257	0.839	2.39	348
400	15.911	36.174	4.19	15.847	26.687	33.151	39.402	0.915	2.69	397
450	14.880	36.002	3.96	14.812	26.788	33.280	39.560	0.987	2.54	447
500	13.955	35.857	3.87	13.881	26.876	33.396	39.701	1.055	2.77	496
600	11.396	35.428	3.29	11.318	27.051	33.650	40.031	1.178	2.40	595
700	9.428	35.161	3.14	9.348	27.188	33.852	40.295	1.287	1.98	694
800	7.940	34.996	3.20	7.856	27.292	34.008	40.501	1.384	2.01	794
900	6.947	34.948	3.43	6.859	27.398	34.149	40.675	1.472	2.11	892
1000	6.277	35.003	4.03	6.183	27.532	34.306	40.855	1.548	1.97	991
1200	5.217	35.041	5.10	5.112	27.695	34.508	41.094	1.671	1.49	1189
1400	4.457	35.018	5.72	4.341	27.764	34.608	41.222	1.773	0.97	1387
1600	4.141	35.008	5.85	4.009	27.792	34.648	41.274	1.868	0.75	1584
1800	3.885	34.998	5.89	3.739	27.812	34.679	41.315	1.960	0.73	1781
2000	3.596	34.984	5.93	3.434	27.831	34.710	41.358	2.050	0.71	1978
2200	3.356	34.972	5.92	3.179	27.847	34.736	41.394	2.138	0.69	2175
2400	3.144	34.959	5.94	2.951	27.857	34.756	41.423	2.224	0.58	2372
2600	2.981	34.950	5.94	2.772	27.866	34.772	41.446	2.309	0.57	2568
2800	2.808	34.938	5.97	2.582	27.874	34.787	41.469	2.393	0.55	2764
3000	2.662	34.929	5.99	2.419	27.880	34.801	41.489	2.477	0.58	2960
3200	2.529	34.920	6.02	2.268	27.886	34.813	41.507	2.560	0.51	3156
3400	2.450	34.915	6.04	2.169	27.890	34.821	41.519	2.643	0.43	3352
3600	2.377	34.910	6.05	2.077	27.893	34.828	41.530	2.726	0.39	3548
3800	2.345	34.906	6.05	2.024	27.895	34.832	41.535	2.810	0.32	3743
4000	2.321	34.903	6.03	1.977	27.896	34.835	41.540	2.896	0.29	3938
4200	2.305	34.900	6.02	1.939	27.897	34.837	41.544	2.983	0.27	4133
4400	2.297	34.898	6.01	1.908	27.897	34.839	41.548	3.071	0.23	4328
4600	2.284	34.894	6.00	1.871	27.897	34.840	41.550	3.162	0.25	4523
4800	2.259	34.888	5.97	1.823	27.896	34.841	41.553	3.254	0.34	4717
5000	2.227	34.880	5.92	1.766	27.894	34.842	41.557	3.348	0.37	4912
5200	2.136	34.866	5.84	1.654	27.891	34.844	41.563	3.443	0.49	5106
5400	2.038	34.850	5.77	1.533	27.887	34.846	41.570	3.537	0.36	5300
5600	1.980	34.839	5.73	1.452	27.885	34.847	41.574	3.632	0.48	5494
5633	1.982	34.839	5.70	1.449	27.885	34.847	41.575	3.648	0.16	5526

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
1	25.462	36.151	4.95	1.8	0.03	0.0	25.462	24.071	36.364	1
183	20.294	36.701	4.33	1.1	0.06	1.0	20.260	25.992	38.487	182
384	16.478	36.269	4.28	3.0	0.48	8.5	16.415	26.629	39.313	381
582	11.745	35.498	3.26	10.3	1.30	21.7	11.668	27.040	39.998	578
783	8.024	35.001	3.13	19.6	1.87	29.6	7.942	27.284	40.486	777
986	6.324	35.007	4.06	19.5	1.68	25.9	6.231	27.529	40.848	978
1383	4.615	35.031	5.64	14.0	1.28	19.5	4.499	27.757	41.202	1371
1582	4.169	35.006	5.89	14.3	1.24	18.9	4.040	27.787	41.267	1568
1782	3.924	35.003	5.93	15.8	1.25	19.0	3.779	27.812	41.312	1764
1976	3.660	34.993	5.96	17.5	1.26	19.1	3.500	27.832	41.354	1956
2182	3.404	34.976	5.96	19.6	1.27	19.1	3.228	27.845	41.388	2159
2382	3.179	34.963		21.5	1.28	19.2	2.987	27.857	41.419	2356
2584	2.988	34.951		23.5	1.29	19.3	2.780	27.866	41.445	2554
2886	2.764	34.935	6.05	24.8	1.28	19.2	2.530	27.875	41.475	2851
3186	2.569	34.922	6.09	26.3	1.28	19.0	2.309	27.884	41.501	3145
3438	2.453	34.914	6.10	27.0	1.28	18.9	2.168	27.889	41.518	3392
3787	2.356	34.911		29.0	1.29	19.1	2.036	27.898	41.537	3733
4088	2.323		6.12	30.9	1.31	19.3				4027
4389	2.306	34.900	6.10	32.8	1.33	19.6	1.918	27.898	41.548	4321
4692	2.290	34.892	6.05	35.6	1.36	20.4	1.866	27.896	41.550	4615
4990	2.236	34.887	5.95	41.5	1.43	21.0	1.776	27.899	41.560	4905
5291	2.085	34.855	5.81	53.4	1.55	22.8	1.592	27.887	41.564	5198
5638	1.992	34.839	5.72	61.6	1.66	24.3	1.458	27.884	41.573	5535

ENDEAVOR 129 STA= 26
DATE 15/ 4/84

LAT= 21 59.9N LON= 64 29.9W

SONIC DEPTH= 5797m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	25.135	36.495	4.45	25.135	24.432	30.683	36.731	0.003	3.77	1
25	24.867	36.567	4.66	24.862	24.570	30.825	36.878	0.086	5.60	25
50	24.101	36.719	4.90	24.091	24.918	31.187	37.253	0.166	5.87	50
75	23.256	36.784	4.84	23.240	25.219	31.505	37.587	0.239	6.54	75
100	22.529	36.853	4.70	22.508	25.483	31.783	37.880	0.305	5.61	99
150	20.446	36.811	4.22	20.417	26.033	32.380	38.520	0.419	5.29	149
200	18.733	36.605	4.18	18.698	26.327	32.715	38.895	0.513	3.66	199
250	17.936	36.494	4.39	17.893	26.445	32.853	39.052	0.598	2.14	248
300	17.444	36.433	4.47	17.393	26.521	32.942	39.154	0.680	2.13	298
350	16.977	36.360	4.50	16.919	26.579	33.013	39.236	0.760	2.07	348
400	16.204	36.228	4.37	16.139	26.661	33.117	39.361	0.837	2.45	397
450	15.378	36.090	4.18	15.308	26.745	33.224	39.490	0.911	2.56	447
500	14.358	35.938	4.09	14.283	26.852	33.360	39.654	0.981	2.61	496
600	12.197	35.602	3.69	12.116	27.035	33.609	39.965	1.107	2.45	595
700	10.296	35.348	3.46	10.211	27.187	33.822	40.237	1.218	2.26	694
800	8.500	35.124	3.36	8.413	27.308	34.004	40.477	1.315	2.18	793
900	7.009	35.000	3.58	6.920	27.430	34.179	40.702	1.401	2.14	892
1000	6.193	35.006	4.07	6.100	27.545	34.323	40.874	1.475	2.01	991
1200	5.092	35.043	5.18	4.988	27.711	34.530	41.120	1.593	1.33	1189
1400	4.470	35.020	5.62	4.354	27.764	34.607	41.221	1.693	0.96	1387
1600	4.083	35.003	5.81	3.953	27.794	34.652	41.281	1.787	0.74	1584
1800	3.829	34.996	5.85	3.683	27.816	34.685	41.324	1.879	0.74	1781
2000	3.592	34.988	5.85	3.430	27.834	34.713	41.362	1.968	0.68	1978
2200	3.333	34.971	5.85	3.156	27.848	34.738	41.397	2.055	0.64	2175
2400	3.145	34.960	5.84	2.952	27.858	34.756	41.423	2.141	0.58	2371
2600	2.986	34.950	5.85	2.777	27.866	34.771	41.445	2.226	0.58	2568
2800	2.825	34.939	5.86	2.599	27.873	34.786	41.467	2.311	0.51	2764
3000	2.708	34.931	5.89	2.464	27.878	34.797	41.483	2.395	0.51	2960
3200	2.597	34.924	5.92	2.334	27.883	34.807	41.499	2.480	0.52	3156
3400	2.492	34.917	5.96	2.210	27.888	34.817	41.513	2.564	0.47	3352
3600	2.416	34.911	5.97	2.115	27.891	34.825	41.525	2.648	0.43	3547
3800	2.363	34.907	5.97	2.041	27.894	34.830	41.533	2.733	0.38	3743
4000	2.331	34.904	5.98	1.987	27.896	34.834	41.539	2.819	0.30	3938
4200	2.312	34.900	5.96	1.946	27.896	34.837	41.544	2.906	0.27	4133
4400	2.302	34.898	5.95	1.912	27.897	34.839	41.547	2.995	0.22	4328
4600	2.296	34.894	5.95	1.883	27.896	34.839	41.549	3.085	0.23	4523
4800	2.285	34.890	5.92	1.848	27.896	34.840	41.551	3.178	0.27	4717
5000	2.249	34.882	5.88	1.788	27.894	34.841	41.555	3.273	0.39	4911
5200	2.165	34.869	5.82	1.681	27.891	34.843	41.561	3.368	0.45	5106
5400	2.086	34.855	5.74	1.580	27.888	34.845	41.567	3.463	0.37	5300
5600	2.072	34.850	5.73	1.540	27.887	34.845	41.569	3.560	0.23	5493
5800	2.067	34.846	5.68	1.509	27.886	34.845	41.571	3.658	0.27	5687
5891	2.072	34.845	5.68	1.501	27.886	34.845	41.571	3.703	0.15	5775

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
1	25.123	36.479	4.88	1.1	0.03	0.0	25.123	24.424	36.724	1
86	22.747	36.834	4.95	0.8	0.04	0.0	22.730	25.405	37.793	85
184	18.933	36.673	4.27	1.2	0.15	2.9	18.900	26.327	38.884	183
383	16.508	36.288	4.31	2.6	0.45	7.6	16.445	26.636	39.319	381
584	12.558	35.668	3.68	7.5	1.07	17.4	12.478	27.016	39.923	580
779	8.851	35.166	3.34	15.8	1.67	26.0	8.764	27.286	40.431	773
977	6.332	34.981	3.89	19.4	1.74	26.5	6.241	27.507	40.826	970
1185	5.262	35.041	4.98	14.8	1.40	20.9	5.158	27.689	41.086	1175
1383	4.556	35.027	5.50	13.5	1.27	19.1	4.441	27.760	41.210	1370
1585	4.141	35.009		14.0	1.25	18.6	4.011	27.792	41.275	1570
1782	3.874	35.001	5.80	15.8	1.26	18.7	3.729	27.815	41.319	1765
1984	3.638	34.994	5.81	17.5	1.27	18.9	3.477	27.835	41.358	1964
2189	3.365	34.975		19.6	1.28	19.0	3.189	27.848	41.394	2165
2384	3.177	34.965		21.8	1.30	19.1	2.985	27.859	41.421	2358
2585	3.003	34.951		23.6	1.31	19.2	2.795	27.865	41.443	2555
2786	2.845	34.948		24.7	1.31	19.1	2.619	27.878	41.470	2752
2987	2.726	34.932	5.92	25.6	1.30	19.1	2.482	27.877	41.481	2949
3486	2.466	34.914	6.06	26.9	1.29	18.7	2.176	27.889	41.517	3438
3991	2.342	34.903	6.06	29.8	1.31	19.0	1.999	27.894	41.537	3932
4490	2.309	34.896	6.01	33.2	1.34	19.5	1.909	27.896	41.546	4418
4991	2.263	34.883	5.92	40.0	1.43	20.6	1.803	27.894	41.553	4907
5490	2.085	34.854	5.71	55.5	1.60	23.1	1.567	27.888	41.568	5391
5796	2.076	34.847	5.67	58.6	1.62	23.5	1.518	27.886	41.570	5687
5894	2.082	34.844	5.64	59.2	1.65	23.6	1.510	27.884	41.569	5783

ENDEAVOR 129 STA= 27
DATE 16/ 4/84

LAT= 22 29.9N LON= 64 30.1W

SONIC DEPTH= 5821m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	25.366	36.260	4.89	25.365	24.184	30.432	36.478	0.011	-0.57	3
25	25.185	36.377	4.89	25.180	24.329	30.580	36.628	0.093	8.29	25
50	24.467	36.600	4.98	24.456	24.718	30.981	37.041	0.177	4.34	50
75	23.872	36.679	4.95	23.856	24.958	31.232	37.303	0.255	5.93	75
100	23.067	36.722	4.85	23.046	25.229	31.519	37.605	0.328	6.15	99
150	21.557	36.900	4.37	21.527	25.796	32.117	38.233	0.453	5.74	149
200	19.720	36.780	4.11	19.683	26.206	32.569	38.725	0.555	4.03	199
250	18.444	36.596	4.14	18.399	26.396	32.791	38.978	0.645	3.28	248
300	17.458	36.433	4.28	17.407	26.517	32.938	39.149	0.728	2.48	298
350	16.735	36.317	4.35	16.677	26.603	33.044	39.274	0.807	2.46	348
400	15.836	36.170	4.28	15.772	26.701	33.167	39.420	0.883	2.54	397
450	15.049	36.041	4.12	14.980	26.780	33.268	39.543	0.955	2.36	447
500	14.185	35.910	4.06	14.110	26.868	33.381	39.680	1.023	2.36	496
600	12.325	35.637	3.83	12.244	27.038	33.607	39.960	1.149	2.50	595
700	10.445	35.394	3.57	10.359	27.198	33.827	40.237	1.260	2.33	694
800	8.529	35.149	3.38	8.441	27.324	34.018	40.490	1.356	2.09	793
900	7.060	34.990	3.46	6.971	27.415	34.162	40.684	1.442	1.93	892
1000	6.285	34.985	3.88	6.191	27.516	34.291	40.839	1.518	1.88	991
1200	5.372	35.043	4.90	5.266	27.678	34.486	41.067	1.644	1.54	1189
1400	4.629	35.032	5.56	4.511	27.757	34.593	41.201	1.749	1.02	1387
1600	4.235	35.017	5.79	4.103	27.789	34.641	41.264	1.846	0.79	1584
1800	3.883	34.997	5.87	3.737	27.811	34.678	41.315	1.939	0.76	1781
2000	3.602	34.987	5.89	3.440	27.832	34.711	41.359	2.029	0.70	1978
2200	3.386	34.975	5.89	3.208	27.846	34.734	41.391	2.116	0.64	2175
2400	3.163	34.960	5.90	2.970	27.856	34.754	41.420	2.203	0.59	2371
2600	2.990	34.949	5.92	2.780	27.865	34.770	41.444	2.289	0.56	2568
2800	2.856	34.940	5.90	2.629	27.871	34.782	41.462	2.374	0.52	2764
3000	2.731	34.931	5.92	2.486	27.876	34.794	41.480	2.459	0.51	2960
3200	2.619	34.924	5.93	2.356	27.882	34.805	41.495	2.544	0.51	3156
3400	2.513	34.917	5.97	2.231	27.886	34.815	41.510	2.629	0.47	3352
3600	2.445	34.913	6.02	2.143	27.890	34.822	41.521	2.714	0.45	3547
3800	2.379	34.907	6.03	2.056	27.893	34.829	41.531	2.799	0.38	3743
4000	2.341	34.904	6.02	1.997	27.895	34.833	41.538	2.885	0.33	3938
4200	2.321	34.901	6.01	1.955	27.896	34.836	41.543	2.973	0.28	4133
4400	2.313	34.898	6.00	1.923	27.896	34.837	41.545	3.062	0.24	4328
4600	2.306	34.895	5.98	1.893	27.896	34.839	41.548	3.153	0.23	4522
4800	2.300	34.892	5.96	1.862	27.896	34.840	41.550	3.246	0.26	4717
5000	2.277	34.886	5.92	1.815	27.895	34.841	41.553	3.341	0.33	4911
5200	2.227	34.877	5.89	1.742	27.893	34.842	41.558	3.437	0.42	5105
5400	2.121	34.860	5.81	1.613	27.890	34.844	41.565	3.534	0.47	5299
5600	2.065	34.849	5.75	1.533	27.887	34.845	41.569	3.630	0.33	5493
5800	2.046	34.844	5.72	1.488	27.886	34.846	41.572	3.728	0.29	5687
5927	2.030	34.839	5.70	1.456	27.885	34.846	41.574	3.791	0.33	5810

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
0	25.340	36.266	4.90	1.5	0.02	0.0	25.340	24.196	36.491	0
184	19.984	36.785	4.11	1.3	0.11	2.4	19.949	26.139	38.646	183
383	16.192	36.239	4.24	3.1	0.52	8.7	16.130	26.672	39.371	381
582	12.651	35.697	3.80	7.4	1.03	16.9	12.570	27.020	39.922	578
783	8.748	35.178	3.29	16.3	1.70	26.7	8.662	27.312	40.463	777
981	6.472	34.988	3.80	20.3	1.80	27.4	6.379	27.494	40.804	974
1182	5.447	35.044	4.89	16.2	1.47	22.1	5.342	27.670	41.052	1172
1382	4.679		5.57	14.0	1.31	19.5				1370
1583	4.246		5.81	13.9	1.30	19.6				1568
1765	3.947	35.010	5.84	15.6	1.28	19.1	3.802	27.815	41.313	1748
1980	3.671	34.996	5.87	17.9	1.29	19.3	3.510	27.833	41.354	1960
2158	3.456		5.87	20.2	1.31	19.4				2135
2477	3.106	34.958	5.94	23.1	1.31	19.5	2.906	27.860	41.429	2449
2785	2.879	34.929	5.93	26.0	1.33	19.7	2.653	27.860	41.450	2751
3087	2.691	34.920	5.96	28.1	1.34	19.6	2.438	27.871	41.479	3048
3387	2.537	34.913	6.05	28.2	1.31	19.3	2.256	27.881	41.503	3342
3688	2.426	34.912		28.3	1.30	19.1	2.115	27.892	41.525	3636
3990	2.355	34.910		30.0	1.31	19.1	2.011	27.899	41.541	3931
4290	2.326	34.908	6.06	31.8	1.33	19.4	1.949	27.902	41.549	4224
4589	2.316	34.896	6.03	33.8	1.35	19.6	1.903	27.896	41.547	4516
4891	2.297	34.886	5.98	37.2	1.39	20.1	1.849	27.892	41.548	4809
5184	2.241		5.88	43.7	1.47	21.1				5094
5490	2.095	34.862	5.78	55.1	1.58	23.0	1.577	27.894	41.572	5391
5931	2.040	34.845	5.67	61.9	1.66	24.1	1.465	27.888	41.577	5818

ENDEAVOR 129 STA= 28
DATE 16/ 4/84

LAT= 22 59.9N LON= 64 29.9W

SONIC DEPTH= 5836m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	25.170	36.328	5.04	25.170	24.295	30.547	36.596	0.011	-1.54	3
25	25.187	36.324	4.76	25.182	24.288	30.540	36.589	0.091	2.66	25
50	24.905	36.427	4.80	24.894	24.455	30.711	36.764	0.180	5.48	50
75	24.501	36.619	4.87	24.485	24.724	30.986	37.046	0.264	4.83	75
100	24.067	36.698	4.90	24.046	24.915	31.186	37.253	0.343	6.04	99
150	21.909	36.793	4.55	21.879	25.616	31.931	38.040	0.481	6.47	149
200	19.832	36.749	4.19	19.795	26.152	32.513	38.667	0.589	4.91	199
250	18.590	36.613	4.14	18.546	26.372	32.764	38.947	0.680	3.22	248
300	17.576	36.455	4.30	17.525	26.505	32.923	39.131	0.765	2.53	298
350	16.924	36.350	4.41	16.866	26.584	33.019	39.244	0.845	2.22	348
400	16.044	36.200	4.23	15.980	26.677	33.137	39.385	0.922	2.84	397
450	15.101	36.051	4.17	15.032	26.776	33.263	39.536	0.994	2.37	447
500	14.203	35.909	3.98	14.129	26.863	33.376	39.674	1.063	2.60	496
600	12.345	35.639	3.81	12.263	27.035	33.604	39.956	1.189	2.32	595
700	10.505	35.399	3.57	10.419	27.191	33.819	40.227	1.300	2.34	694
800	8.669	35.159	3.41	8.580	27.310	34.000	40.467	1.398	2.05	793
900	7.293	35.017	3.51	7.203	27.404	34.142	40.656	1.485	1.99	892
1000	6.486	35.000	3.88	6.391	27.502	34.270	40.811	1.563	1.90	991
1200	5.445	35.052	4.94	5.338	27.676	34.481	41.059	1.691	1.57	1189
1400	4.603	35.025	5.59	4.485	27.754	34.591	41.200	1.796	1.01	1387
1600	4.217	35.011	5.83	4.084	27.786	34.640	41.263	1.893	0.81	1584
1800	3.936	35.000	5.88	3.789	27.808	34.673	41.308	1.987	0.71	1781
2000	3.681	34.990	5.91	3.518	27.828	34.703	41.348	2.078	0.72	1978
2200	3.435	34.978	5.92	3.256	27.844	34.730	41.385	2.168	0.69	2175
2400	3.204	34.964	5.91	3.010	27.856	34.752	41.417	2.255	0.60	2371
2600	3.022	34.952	5.92	2.812	27.864	34.768	41.441	2.341	0.55	2568
2800	2.875	34.942	5.93	2.647	27.871	34.782	41.461	2.427	0.51	2764
3000	2.750	34.934	5.97	2.504	27.877	34.794	41.478	2.512	0.52	2960
3200	2.624	34.925	5.99	2.360	27.882	34.805	41.496	2.597	0.51	3156
3400	2.515	34.918	6.02	2.232	27.887	34.816	41.511	2.682	0.47	3352
3600	2.438	34.912	6.03	2.136	27.891	34.823	41.522	2.766	0.43	3547
3800	2.386	34.909	6.05	2.064	27.893	34.829	41.531	2.852	0.37	3743
4000	2.353	34.905	6.05	2.009	27.895	34.833	41.537	2.938	0.32	3938
4200	2.331	34.902	6.04	1.965	27.896	34.836	41.542	3.026	0.31	4133
4400	2.316	34.899	6.02	1.926	27.897	34.838	41.546	3.115	0.23	4328
4600	2.310	34.896	6.01	1.897	27.897	34.839	41.548	3.206	0.26	4522
4800	2.300	34.892	6.00	1.862	27.896	34.840	41.551	3.299	0.26	4717
5000	2.280	34.887	5.96	1.818	27.896	34.842	41.554	3.394	0.33	4911
5200	2.214	34.875	5.91	1.729	27.893	34.843	41.559	3.490	0.43	5105
5400	2.127	34.861	5.83	1.620	27.890	34.844	41.565	3.586	0.41	5299
5600	2.082	34.852	5.79	1.549	27.888	34.845	41.569	3.683	0.31	5493
5800	2.064	34.847	5.77	1.506	27.887	34.846	41.571	3.781	0.29	5687
5935	2.052	34.843	5.73	1.476	27.886	34.847	41.573	3.848	0.33	5817

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
3	25.193	36.341	4.81	1.3	0.03	0.0	25.192	24.298	36.598	3
85	24.226	36.667	4.85	1.1	0.03	0.0	24.208	24.844	37.175	84
187	20.444	36.770	4.24	0.9	0.07	1.2	20.408	26.004	38.492	186
384	16.676	36.308	4.33	2.7	0.46	7.8	16.613	26.612	39.286	381
584	12.840	35.754	3.91	6.6	0.97	15.9	12.759	27.027	39.916	580
782	9.343	35.258	3.39	14.5	1.58	25.2	9.253	27.279	40.391	777
983	6.584	34.992	3.98	19.9	1.76	27.2	6.490	27.482	40.784	976
1182	5.513	35.053	4.90	15.2	1.42	21.8	5.408	27.669	41.047	1172
1383	4.632	35.027	5.49	14.0	1.29	19.8	4.515	27.752	41.196	1370
1583	4.244	35.014	5.71	14.1	1.27	19.2	4.114	27.785	41.260	1568
1786	3.944	35.011	5.80	15.4	1.27	19.3	3.798	27.816	41.315	1768
1984	3.691	34.993	5.81	17.4	1.28	19.3	3.530	27.829	41.348	1964
2184	3.446	34.981	5.84	19.7	1.28	19.5	3.269	27.845	41.385	2161
2384	3.213	34.967	5.86	21.6	1.29	19.5	3.021	27.857	41.417	2358
2600	3.022	34.954	5.83	23.7	1.30	19.5	2.811	27.866	41.442	2570
2788	2.883	34.949	5.88	25.3	1.31	19.5	2.657	27.876	41.465	2754
2988	2.756	34.937	5.93	26.2	1.31	19.5	2.512	27.879	41.480	2950
3486	2.493	34.917		27.3	1.30	19.2	2.203	27.889	41.515	3438
3988	2.366	34.905	6.02	29.6	1.31	19.2	2.023	27.894	41.535	3930
4489	2.323	34.900	6.00	32.7	1.34	19.6	1.923	27.898	41.547	4418
4991	2.287	34.887	5.90	38.7	1.41	20.5	1.826	27.895	41.552	4906
5492	2.109	34.861	5.70	54.4	1.58	23.0	1.589	27.892	41.570	5393
5836	2.070	34.846	5.66	59.4	1.62	23.6	1.506	27.886	41.571	5726
5940	2.062	34.844	5.62	60.7	1.66	24.0	1.485	27.886	41.573	5827

ENDEAVOR 129 STA= 29
DATE 16/ 4/84

LAT= 23 29.9N LON= 64 30.1W

SONIC DEPTH= 5977m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	25.020	36.477	4.86	25.019	24.454	30.707	36.758	0.010	1.18	3
25	24.519	36.635	4.85	24.514	24.727	30.989	37.048	0.085	7.18	25
50	24.170	36.660	4.90	24.159	24.853	31.121	37.186	0.164	2.59	50
75	24.017	36.681	4.91	24.002	24.916	31.187	37.256	0.241	4.43	75
100	23.429	36.730	4.90	23.408	25.129	31.412	37.491	0.315	5.05	99
150	21.984	36.800	4.77	21.954	25.600	31.913	38.021	0.448	5.52	149
200	19.798	36.659	4.39	19.761	26.093	32.455	38.611	0.558	5.06	199
250	18.591	36.595	4.32	18.547	26.358	32.750	38.933	0.651	2.94	248
300	17.819	36.493	4.39	17.767	26.475	32.887	39.089	0.736	2.50	298
350	17.144	36.387	4.42	17.085	26.560	32.989	39.209	0.817	2.37	347
400	16.347	36.253	4.37	16.282	26.647	33.099	39.339	0.895	2.42	397
450	15.357	36.086	4.22	15.287	26.746	33.225	39.492	0.970	2.52	447
500	14.618	35.977	4.22	14.543	26.827	33.327	39.614	1.040	2.47	496
600	12.909	35.724	3.99	12.826	26.990	33.542	39.877	1.170	2.35	595
700	10.943	35.443	3.66	10.854	27.147	33.761	40.155	1.286	2.33	694
800	9.104	35.203	3.48	9.014	27.275	33.950	40.403	1.388	2.06	793
900	7.616	35.048	3.53	7.523	27.382	34.109	40.612	1.479	2.11	892
1000	6.592	34.990	3.86	6.496	27.480	34.244	40.782	1.559	1.96	991
1200	5.515	35.051	5.00	5.408	27.667	34.470	41.045	1.691	1.63	1189
1400	4.683	35.034	5.71	4.564	27.752	34.586	41.192	1.797	1.02	1386
1600	4.240	35.014	5.97	4.108	27.787	34.639	41.261	1.894	0.83	1584
1800	3.963	35.004	6.05	3.815	27.809	34.672	41.306	1.988	0.74	1781
2000	3.706	34.995	6.07	3.543	27.829	34.704	41.348	2.079	0.71	1978
2200	3.427	34.977	6.08	3.249	27.844	34.730	41.385	2.168	0.66	2175
2400	3.226	34.965	6.07	3.032	27.855	34.750	41.413	2.256	0.62	2371
2600	3.051	34.954	6.06	2.840	27.863	34.766	41.437	2.343	0.54	2568
2800	2.902	34.944	6.09	2.674	27.870	34.780	41.457	2.429	0.54	2764
3000	2.779	34.935	6.11	2.533	27.875	34.791	41.474	2.515	0.52	2960
3200	2.651	34.927	6.14	2.387	27.881	34.803	41.492	2.601	0.54	3156
3400	2.536	34.919	6.17	2.254	27.886	34.813	41.508	2.686	0.48	3352
3600	2.454	34.913	6.17	2.152	27.889	34.821	41.520	2.771	0.43	3547
3800	2.387	34.908	6.17	2.064	27.893	34.828	41.530	2.857	0.42	3742
4000	2.348	34.904	6.17	2.004	27.895	34.832	41.537	2.943	0.32	3938
4200	2.322	34.901	6.15	1.955	27.896	34.836	41.542	3.031	0.30	4133
4400	2.309	34.897	6.15	1.920	27.896	34.837	41.545	3.120	0.27	4327
4600	2.295	34.894	6.12	1.882	27.896	34.839	41.549	3.211	0.26	4522
4800	2.279	34.889	6.10	1.842	27.895	34.840	41.552	3.304	0.32	4717
5000	2.231	34.880	6.04	1.770	27.893	34.841	41.555	3.398	0.40	4911
5200	2.167	34.869	5.98	1.684	27.891	34.843	41.561	3.493	0.42	5105
5400	2.089	34.856	5.91	1.583	27.888	34.844	41.567	3.589	0.36	5299
5600	2.085	34.852	5.89	1.553	27.887	34.845	41.568	3.685	0.19	5493
5800	2.098	34.850	5.88	1.538	27.887	34.845	41.569	3.784	0.12	5687
5941	2.100	34.849	5.87	1.522	27.888	34.846	41.571	3.855	0.29	5823

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
2	25.098	36.478	4.95	1.5	0.03	0.0	25.098	24.431	36.732	2
185	20.644	36.811	4.47	1.0	0.05	0.6	20.609	25.982	38.459	183
384	16.628	36.306	4.32	2.5	0.44	7.9	16.565	26.622	39.298	381
581	13.053	35.760	3.89	6.3	0.94	15.7	12.971	26.988	39.866	577
781	9.373	35.238	3.33	14.6	1.58	25.6	9.283	27.259	40.369	776
981	6.745	34.993	3.68	19.9	1.79	27.9	6.649	27.462	40.753	973
1181	5.623	35.052	4.83	15.6	1.45	22.3	5.516	27.655	41.025	1171
1382	4.731	35.037	5.58	13.5	1.29	19.7	4.614	27.749	41.185	1369
1583	4.259	35.018	5.84	13.8	1.26	19.1	4.128	27.787	41.260	1568
1882	3.819	35.001	5.93	16.1	1.26	19.1	3.666	27.822	41.330	1863
2182	3.433	34.981	5.96	19.3	1.28	19.3	3.257	27.846	41.387	2159
2384	3.235	34.969	5.98	21.9	1.29	19.6	3.042	27.857	41.415	2358
2583	3.073	34.959	5.91	24.8	1.32	19.9	2.864	27.865	41.437	2553
2886	2.841	34.940	6.01	24.7	1.30	19.4	2.606	27.873	41.466	2850
3186	2.655	34.927	6.09	27.3	1.31	19.6	2.393	27.881	41.491	3145
3486	2.505	34.916		27.4	1.29	19.3	2.214	27.887	41.512	3439
3789	2.402	34.909	6.12	29.0	1.30	19.3	2.080	27.892	41.529	3735
4089	2.349	34.903	6.12	30.7	1.31	19.5	1.995	27.894	41.538	4027
4389	2.321	34.897	6.10	32.4	1.33	19.6	1.932	27.895	41.543	4320
4690	2.300	34.894	6.06	35.1	1.35	20.0	1.876	27.897	41.550	4614
4991	2.245	34.880	5.94	41.4	1.43	21.1	1.785	27.892	41.553	4906
5291	2.138	34.862	5.85	50.4	1.53	22.5	1.644	27.889	41.562	5197
5585	2.092	34.851	5.79	55.5	1.58	23.2	1.561	27.886	41.566	5483
5945	2.108	34.848	5.74	57.5	1.61	23.6	1.528	27.886	41.569	5832

ENDEAVOR 129 STA= 30 LAT= 23 59.1N LON= 64 29.9W SONIC DEPTH= 5836m
 DATE 16/ 4/84

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	25.152	36.438	4.61	25.152	24.384	30.635	36.683	0.011	1.38	3
25	24.925	36.493	4.74	24.920	24.496	30.751	36.803	0.088	7.17	25
50	24.120	36.619	4.91	24.109	24.837	31.107	37.174	0.169	4.43	50
75	23.828	36.695	4.93	23.812	24.983	31.258	37.330	0.246	5.26	75
100	23.292	36.803	4.85	23.271	25.224	31.509	37.591	0.318	4.81	99
150	21.791	36.777	4.75	21.761	25.637	31.954	38.066	0.448	5.00	149
200	20.445	36.863	4.22	20.407	26.076	32.422	38.562	0.558	4.58	199
250	19.136	36.690	4.14	19.091	26.292	32.670	38.840	0.654	3.53	248
300	18.138	36.544	4.22	18.086	26.435	32.838	39.033	0.741	2.71	298
350	17.441	36.436	4.34	17.382	26.526	32.947	39.159	0.825	2.59	347
400	16.718	36.316	4.40	16.652	26.609	33.050	39.281	0.904	2.15	397
450	15.953	36.186	4.26	15.881	26.689	33.151	39.402	0.981	2.41	447
500	15.075	36.044	4.10	14.998	26.779	33.266	39.540	1.054	2.60	496
600	13.236	35.777	4.03	13.151	26.965	33.507	39.833	1.188	2.30	595
700	11.407	35.502	3.56	11.316	27.109	33.707	40.088	1.307	2.45	694
800	9.288	35.235	3.46	9.197	27.271	33.939	40.386	1.411	2.12	793
900	7.815	35.080	3.50	7.721	27.379	34.098	40.594	1.503	2.13	892
1000	6.788	35.021	3.82	6.690	27.478	34.235	40.766	1.584	1.99	991
1200	5.477	35.050	4.89	5.370	27.671	34.475	41.052	1.715	1.60	1189
1400	4.755	35.044	5.54	4.636	27.752	34.584	41.187	1.823	1.09	1386
1600	4.266	35.018	5.86	4.134	27.786	34.638	41.259	1.920	0.82	1584
1800	3.965	35.011	5.90	3.817	27.814	34.677	41.311	2.014	0.76	1781
2000	3.674	34.993	5.96	3.512	27.830	34.706	41.351	2.105	0.74	1978
2200	3.438	34.981	5.94	3.260	27.846	34.732	41.387	2.193	0.66	2175
2400	3.214	34.968	5.92	3.020	27.857	34.753	41.417	2.280	0.58	2371
2600	3.048	34.954	5.96	2.837	27.864	34.767	41.438	2.367	0.55	2568
2800	2.896	34.946	5.92	2.668	27.872	34.782	41.460	2.452	0.56	2764
3000	2.757	34.935	5.95	2.512	27.877	34.794	41.478	2.538	0.52	2960
3200	2.618	34.926	6.00	2.355	27.883	34.806	41.497	2.623	0.54	3156
3400	2.528	34.919	6.03	2.246	27.887	34.815	41.510	2.707	0.44	3351
3600	2.455	34.914	6.05	2.153	27.891	34.822	41.521	2.792	0.44	3547
3800	2.383	34.909	6.05	2.061	27.894	34.830	41.532	2.877	0.41	3742
4000	2.346	34.905	6.05	2.002	27.896	34.834	41.538	2.964	0.33	3937
4200	2.326	34.902	6.06	1.960	27.897	34.837	41.543	3.051	0.29	4132
4400	2.310	34.899	6.04	1.921	27.897	34.838	41.546	3.140	0.24	4327
4600	2.307	34.896	6.04	1.893	27.897	34.840	41.549	3.231	0.25	4522
4800	2.291	34.892	6.01	1.853	27.897	34.841	41.552	3.324	0.29	4716
5000	2.255	34.884	5.95	1.794	27.895	34.842	41.555	3.418	0.37	4911
5200	2.178	34.871	5.89	1.694	27.892	34.844	41.561	3.513	0.43	5105
5400	2.116	34.860	5.83	1.609	27.890	34.845	41.566	3.609	0.33	5299
5600	2.091	34.854	5.78	1.558	27.889	34.846	41.569	3.706	0.26	5493
5800	2.093	34.850	5.79	1.533	27.888	34.846	41.570	3.804	0.23	5686
5939	2.091	34.847	5.77	1.513	27.887	34.846	41.571	3.874	0.26	5821

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
1	25.168	36.443	5.00	1.4	0.02	0.0	25.168	24.383	36.682	1
83	23.780	36.735	5.03	1.1	0.03	0.0	23.762	25.028	37.376	83
184	21.158	36.888	4.44	1.0	0.06	0.8	21.122	25.900	38.354	183
386	16.820	36.334	4.41	2.5	0.44	7.4	16.756	26.598	39.264	383
584	13.484	35.806	3.89	6.0	0.91	15.0	13.400	26.937	39.789	580
783	9.823	35.310	3.43	13.7	1.48	23.7	9.730	27.241	40.321	777
983	6.959	35.027	3.72	19.4	1.75	27.1	6.862	27.460	40.735	975
1181	5.573	35.038	4.77	16.7	1.48	22.6	5.467	27.650	41.024	1171
1382	4.833	35.045	5.42	14.3	1.29	19.7	4.714	27.744	41.173	1370
1582	4.327	35.023	5.72	14.0	1.25	19.0	4.196	27.784	41.252	1568
1778	4.036	35.017	5.73	15.6	1.25	19.1	3.889	27.811	41.303	1761
1984	3.729	34.998	5.85	17.4	1.26	19.1	3.567	27.829	41.346	1964
2185	3.477	34.986	5.83	20.1	1.28	19.2	3.300	27.846	41.383	2161
2385	3.246	34.970	5.83	22.5	1.29	19.4	3.053	27.856	41.414	2358
2585	3.081	34.957	5.83	24.7	1.29	19.4	2.871	27.863	41.435	2555
2986	2.792	34.939	5.87	27.4	1.31	19.6	2.547	27.877	41.475	2948
3487	2.505	34.917	6.01	28.0	1.29	19.1	2.214	27.888	41.513	3439
3987	2.359	34.905	6.03	30.2	1.30	19.2	2.017	27.894	41.536	3928
4490	2.321	34.897	6.02	33.3	1.32	19.6	1.920	27.896	41.545	4418
5000	2.264	34.884	5.90	40.9	1.41	20.8	1.803	27.894	41.554	4915
5505	2.110	34.855	5.66	54.8	1.56	23.1	1.589	27.887	41.565	5405
5843	2.102	34.850	5.67	58.3	1.58	23.5	1.536	27.887	41.569	5733
5945	2.100	34.846	5.65	59.2	1.61	23.7	1.521	27.885	41.569	5832

ENDEAVOR 129 STA= 31 LAT= 24 29.8N LON= 64 30.0W SONIC DEPTH= 5831m
 DATE 17/ 4/84

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	24.276	36.610	5.10	24.276	24.780	31.046	37.110	0.003	-0.59	1
25	24.277	36.609	4.91	24.272	24.780	31.047	37.111	0.079	1.42	25
50	24.102	36.623	4.90	24.091	24.845	31.115	37.182	0.158	4.90	50
75	23.530	36.713	4.96	23.514	25.084	31.365	37.443	0.233	5.89	75
100	22.478	36.685	4.96	22.458	25.370	31.673	37.772	0.302	4.92	99
150	21.040	36.656	4.78	21.011	25.754	32.088	38.217	0.426	4.69	149
200	19.386	36.570	4.46	19.349	26.132	32.505	38.671	0.533	4.26	199
250	18.670	36.545	4.39	18.626	26.300	32.690	38.872	0.627	3.06	248
300	18.009	36.501	4.42	17.957	26.434	32.841	39.039	0.714	2.55	298
350	17.582	36.451	4.49	17.522	26.503	32.921	39.129	0.798	2.19	347
400	17.119	36.381	4.51	17.052	26.563	32.994	39.214	0.879	1.94	397
450	16.558	36.283	4.43	16.483	26.623	33.069	39.304	0.959	2.17	447
500	15.810	36.156	4.25	15.730	26.700	33.167	39.421	1.036	2.51	496
600	13.857	35.843	3.95	13.769	26.888	33.412	39.720	1.178	2.44	595
700	11.931	35.568	3.82	11.838	27.062	33.644	40.009	1.305	2.79	694
800	9.536	35.262	3.51	9.443	27.251	33.912	40.351	1.413	2.59	793
900	7.590	35.058	3.51	7.497	27.394	34.121	40.625	1.504	2.15	892
1000	6.716	35.020	3.85	6.619	27.487	34.246	40.779	1.583	1.99	991
1200	5.435	35.053	4.99	5.328	27.678	34.484	41.062	1.712	1.53	1189
1400	4.742	35.045	5.56	4.623	27.754	34.586	41.190	1.818	1.05	1386
1600	4.245	35.024	5.80	4.113	27.793	34.645	41.268	1.915	0.86	1584
1800	3.930	35.013	5.86	3.783	27.819	34.684	41.319	2.007	0.74	1781
2000	3.609	34.993	5.90	3.447	27.837	34.716	41.363	2.096	0.69	1978
2200	3.363	34.977	5.93	3.186	27.849	34.738	41.396	2.183	0.64	2175
2400	3.166	34.963	5.92	2.972	27.858	34.756	41.422	2.270	0.57	2371
2600	3.027	34.954	5.90	2.817	27.866	34.770	41.442	2.355	0.51	2567
2800	2.898	34.946	5.82	2.670	27.872	34.782	41.460	2.441	0.53	2764
3000	2.761	34.935	5.85	2.515	27.877	34.793	41.477	2.526	0.52	2960
3200	2.655	34.926	5.89	2.390	27.881	34.802	41.491	2.612	0.48	3156
3400	2.553	34.919	5.93	2.270	27.884	34.811	41.505	2.697	0.48	3351
3600	2.453	34.912	5.97	2.151	27.889	34.821	41.519	2.783	0.48	3547
3800	2.382	34.906	5.98	2.060	27.892	34.827	41.530	2.868	0.39	3742
4000	2.342	34.902	6.00	1.998	27.894	34.832	41.537	2.955	0.37	3937
4200	2.314	34.899	6.01	1.948	27.895	34.835	41.542	3.042	0.31	4132
4400	2.301	34.897	6.01	1.912	27.896	34.838	41.546	3.131	0.24	4327
4600	2.287	34.893	5.98	1.874	27.896	34.839	41.549	3.222	0.30	4522
4800	2.248	34.885	5.95	1.812	27.894	34.841	41.553	3.315	0.33	4716
5000	2.182	34.874	5.88	1.723	27.892	34.842	41.558	3.408	0.43	4911
5200	2.098	34.860	5.81	1.617	27.889	34.844	41.565	3.502	0.37	5105
5400	2.059	34.852	5.78	1.553	27.887	34.845	41.568	3.597	0.26	5299
5600	2.064	34.849	5.76	1.532	27.887	34.845	41.569	3.693	0.25	5493
5779	2.075	34.847	5.73	1.519	27.886	34.845	41.570	3.781	0.08	5686

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
1	24.281	36.616	4.99	1.0	0.03	0.0	24.281	24.783	37.113	1
183	19.624	36.596	4.44	0.6	0.06	1.1	19.590	26.089	38.616	182
383	17.369	36.420	4.52	1.5	0.32	5.8	17.304	26.532	39.170	381
582	14.188	35.895	3.91	4.7	0.82	13.9	14.102	26.858	39.671	578
781	9.748	35.290	3.46	12.9	1.48	23.6	9.656	27.238	40.323	776
984	6.802	35.022	3.79	18.4	1.73	26.7	6.706	27.477	40.763	976
1183	5.499	35.054	4.89	14.9	1.42	21.6	5.394	27.671	41.050	1173
1380	4.813	35.050	5.47	13.5	1.30	19.6	4.695	27.750	41.180	1367
1583	4.325	35.033	5.72	14.0	1.27	19.1	4.193	27.792	41.260	1568
1780	3.992	35.021	5.81	15.7	1.27	19.1	3.846	27.819	41.314	1762
1982	3.657	34.998	5.85	18.0	1.28	19.2	3.496	27.836	41.358	1962
2183	3.390	34.978	5.88	19.9	1.28	19.1	3.214	27.848	41.392	2160
2383	3.178	34.963	5.90	21.5	1.29	19.1	2.986	27.857	41.420	2357
2685	2.980	34.954	5.81	28.0	1.36	20.2	2.762	27.870	41.451	2653
2984	2.772	34.939	5.86	30.2	1.37	20.2	2.528	27.879	41.478	2947
3286	2.613	34.923	5.92	30.8	1.36	19.9	2.341	27.882	41.497	3243
3586	2.461	34.913	6.03	30.4	1.33	19.5	2.160	27.889	41.519	3537
3888	2.368	34.904	6.03	31.4	1.33	19.5	2.036	27.892	41.532	3832
4191	2.319	34.900	6.03	32.9	1.34	19.5	1.954	27.895	41.542	4127
4489	2.301	34.896	6.03	33.9	1.34	19.6	1.901	27.896	41.547	4418
4891	2.224	34.878	5.90	42.0	1.44	20.8	1.778	27.891	41.553	4809
5091	2.151		5.83	48.3	1.51	22.4				5003
5390	2.075	34.852	5.73	55.3	1.59	23.0	1.570	27.886	41.566	5294
5783	2.084	34.846	5.70	58.2	1.61	23.4	1.527	27.885	41.568	5674

ENDEAVOR 129 STA= 32
DATE 17/ 4/84

LAT= 24 59.7N LON= 64 29.7W

SONIC DEPTH= 5748m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	24.197	36.642	5.10	24.196	24.828	31.096	37.161	0.009	-0.94	3
25	24.203	36.640	4.77	24.198	24.826	31.094	37.159	0.078	1.80	25
50	23.328	36.725	4.85	23.317	25.152	31.436	37.517	0.154	7.46	50
75	22.380	36.747	4.77	22.365	25.444	31.748	37.848	0.221	5.79	75
100	21.282	36.647	4.98	21.263	25.678	32.007	38.130	0.282	4.56	99
150	20.147	36.562	4.85	20.119	25.923	32.278	38.427	0.393	3.77	149
200	18.746	36.492	4.58	18.710	26.237	32.626	38.806	0.492	3.60	199
250	18.286	36.526	4.41	18.242	26.382	32.781	38.972	0.581	2.65	248
300	17.789	36.475	4.50	17.737	26.468	32.881	39.084	0.666	2.06	298
350	17.421	36.428	4.51	17.362	26.524	32.946	39.159	0.749	1.72	347
400	17.129	36.383	4.55	17.061	26.562	32.993	39.213	0.830	1.62	397
450	16.626	36.295	4.46	16.552	26.616	33.061	39.294	0.909	2.28	447
500	15.718	36.140	4.26	15.638	26.709	33.178	39.435	0.986	2.70	496
600	13.975	35.861	3.91	13.887	26.877	33.397	39.702	1.127	2.29	595
700	11.751	35.537	3.65	11.659	27.072	33.660	40.030	1.254	2.58	694
800	9.709	35.294	3.55	9.615	27.248	33.902	40.335	1.362	2.61	793
900	7.621	35.093	3.67	7.528	27.417	34.143	40.645	1.453	2.36	892
1000	6.556	35.063	4.15	6.460	27.543	34.307	40.845	1.528	1.97	991
1200	5.352	35.062	5.06	5.246	27.696	34.504	41.085	1.651	1.38	1189
1400	4.699	35.055	5.54	4.580	27.768	34.601	41.206	1.754	1.06	1386
1600	4.253	35.034	5.73	4.120	27.801	34.652	41.274	1.848	0.86	1584
1800	3.903	35.018	5.78	3.756	27.826	34.691	41.327	1.939	0.77	1781
2000	3.608	34.998	5.79	3.446	27.841	34.719	41.367	2.027	0.65	1978
2200	3.361	34.981	5.80	3.184	27.853	34.742	41.399	2.113	0.59	2174
2400	3.136	34.963	5.82	2.943	27.861	34.760	41.427	2.199	0.57	2371
2600	2.983	34.952	5.80	2.773	27.867	34.773	41.447	2.284	0.51	2567
2800	2.856	34.943	5.78	2.629	27.873	34.785	41.465	2.368	0.52	2764
3000	2.745	34.934	5.80	2.500	27.877	34.794	41.479	2.453	0.48	2960
3200	2.652	34.927	5.81	2.388	27.881	34.803	41.492	2.539	0.46	3155
3400	2.549	34.919	5.85	2.266	27.885	34.812	41.506	2.624	0.47	3351
3600	2.460	34.913	5.93	2.158	27.889	34.820	41.519	2.710	0.48	3547
3800	2.397	34.908	5.95	2.074	27.892	34.827	41.529	2.796	0.38	3742
4000	2.355	34.904	5.96	2.010	27.894	34.832	41.536	2.882	0.37	3937
4200	2.320	34.900	5.97	1.954	27.895	34.835	41.542	2.970	0.33	4132
4400	2.289	34.895	5.95	1.900	27.896	34.838	41.547	3.059	0.30	4327
4600	2.277	34.892	5.94	1.864	27.896	34.839	41.550	3.150	0.28	4522
4800	2.243	34.885	5.89	1.807	27.894	34.841	41.553	3.242	0.33	4716
5000	2.186	34.874	5.84	1.727	27.892	34.842	41.558	3.335	0.43	4910
5200	2.094	34.860	5.77	1.613	27.889	34.844	41.565	3.429	0.38	5105
5400	2.060	34.852	5.73	1.554	27.888	34.845	41.568	3.524	0.26	5299
5600	2.068	34.850	5.73	1.536	27.887	34.845	41.569	3.620	0.17	5492
5800	2.088	34.849	5.73	1.529	27.887	34.845	41.570	3.718	0.12	5686
5845	2.092	34.849	5.72	1.527	27.887	34.845	41.570	3.741	0.20	5730

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
2	24.192	36.641	4.88	1.1	0.03	0.0	24.192	24.829	37.162	2
84	22.350	36.770	4.75	0.8	0.03	0.0	22.333	25.470	37.875	84
183	19.369	36.531	4.57				19.336	26.106	38.646	182
383	17.199	36.396	4.52	2.2	0.34	6.0	17.135	26.555	39.201	380
582	14.176	35.891	3.89	5.4	0.83	14.0	14.090	26.858	39.671	578
782	9.996	35.326	3.54	12.7	1.44	22.9	9.903	27.224	40.293	776
983	6.705	35.069	4.09	17.1	1.59	24.8	6.609	27.527	40.819	975
1183	5.452	35.066	5.00	14.9	1.39	21.4	5.347	27.687	41.068	1173
1383	4.784	35.060	5.49	14.2	1.29	19.7	4.666	27.761	41.193	1371
1582	4.303	35.038	5.66	15.0	1.27	19.3	4.171	27.798	41.268	1568
1781	3.926	35.027	5.74	17.4	1.29	19.5	3.780	27.831	41.330	1764
1984	3.622	35.000	5.81	19.8	1.29	19.5	3.461	27.841	41.366	1964
2185	3.375	34.983	5.78	22.4	1.31	19.7	3.199	27.853	41.399	2162
2386	3.153	34.965	5.81	24.2	1.32	19.7	2.962	27.861	41.425	2359
2536	3.049	34.959	5.80	26.4	1.34	20.0	2.845	27.867	41.441	2507
2674	2.949	34.950	5.79	28.7	1.36	20.3	2.733	27.870	41.453	2642
2986	2.782	34.936	5.80	30.6	1.36	20.3	2.537	27.876	41.474	2949
3502	2.522	34.916		30.2	1.34	19.7	2.229	27.886	41.510	3454
4000	2.370	34.904	6.03	30.7	1.32	19.4	2.025	27.893	41.534	3941
4502	2.297	34.897	5.99	35.4	1.36	20.0	1.896	27.897	41.549	4431
5005	2.193	34.874	5.84	45.6	1.48	21.6	1.733	27.892	41.557	4920
5505	2.068	34.850	5.67	57.2	1.60	23.5	1.549	27.886	41.567	5405
5748	2.091	34.849	5.67				1.539	27.886	41.568	5641
5851	2.102	34.850	5.65	57.3	1.61	23.3	1.535	27.887	41.570	5741

ENDEAVOR 129 STA= 33
DATE 17/ 4/84

LAT= 25 30.0N LON= 64 29.6W

SONIC DEPTH= 5655m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	23.677	36.598	5.20	23.677	24.949	31.228	37.303	0.003	10.35	1
25	22.052	36.675	5.17	22.047	25.480	31.791	37.898	0.068	4.20	25
50	21.721	36.654	5.16	21.711	25.558	31.877	37.991	0.130	4.70	50
75	20.782	36.596	5.03	20.767	25.774	32.115	38.249	0.188	4.60	75
100	20.229	36.566	5.02	20.210	25.902	32.255	38.402	0.243	3.64	99
150	19.291	36.588	4.42	19.264	26.168	32.543	38.710	0.344	4.07	149
200	18.510	36.532	4.45	18.475	26.328	32.722	38.907	0.435	2.70	199
250	18.077	36.514	4.43	18.033	26.425	32.830	39.025	0.522	2.43	248
300	17.565	36.450	4.47	17.514	26.504	32.922	39.131	0.604	1.88	298
350	17.217	36.398	4.56	17.158	26.551	32.979	39.196	0.685	1.73	347
400	16.812	36.329	4.53	16.746	26.596	33.035	39.263	0.765	2.02	397
450	16.115	36.207	4.35	16.042	26.668	33.126	39.372	0.842	2.12	447
500	15.297	36.071	4.18	15.219	26.750	33.231	39.500	0.917	2.31	496
600	13.582	35.800	4.07	13.496	26.912	33.444	39.760	1.056	2.54	595
700	11.402	35.496	3.73	11.311	27.105	33.704	40.084	1.178	2.57	694
800	9.033	35.217	3.56	8.943	27.297	33.974	40.430	1.282	2.62	793
900	7.544	35.088	3.70	7.451	27.425	34.153	40.658	1.369	2.19	892
1000	6.476	35.060	4.20	6.381	27.550	34.317	40.858	1.444	1.96	991
1200	5.285	35.064	5.12	5.179	27.705	34.516	41.099	1.564	1.39	1189
1400	4.692	35.054	5.57	4.574	27.767	34.601	41.206	1.666	0.97	1386
1600	4.317	35.044	5.73	4.184	27.802	34.651	41.270	1.761	0.88	1584
1800	3.961	35.025	5.78	3.813	27.825	34.689	41.322	1.852	0.73	1781
2000	3.634	35.004	5.80	3.472	27.844	34.721	41.367	1.940	0.65	1978
2200	3.395	34.985	5.82	3.217	27.853	34.740	41.397	2.026	0.63	2174
2400	3.179	34.968	5.81	2.985	27.861	34.758	41.423	2.112	0.56	2371
2600	3.020	34.954	5.82	2.810	27.866	34.771	41.443	2.197	0.50	2567
2800	2.880	34.943	5.82	2.652	27.871	34.782	41.461	2.282	0.46	2764
3000	2.773	34.935	5.85	2.527	27.875	34.791	41.475	2.368	0.52	2960
3200	2.650	34.925	5.89	2.386	27.880	34.802	41.491	2.454	0.48	3155
3400	2.566	34.919	5.91	2.282	27.884	34.810	41.504	2.540	0.47	3351
3600	2.477	34.913	5.94	2.174	27.888	34.818	41.516	2.626	0.48	3547
3800	2.401	34.907	5.98	2.078	27.891	34.826	41.528	2.712	0.38	3742
4000	2.355	34.903	5.99	2.011	27.893	34.831	41.535	2.799	0.37	3937
4200	2.320	34.899	5.99	1.954	27.895	34.835	41.541	2.887	0.35	4132
4400	2.291	34.895	5.97	1.902	27.896	34.838	41.547	2.976	0.33	4327
4600	2.255	34.888	5.95	1.843	27.895	34.839	41.551	3.066	0.33	4521
4800	2.211	34.880	5.89	1.776	27.893	34.841	41.555	3.158	0.37	4716
5000	2.148	34.870	5.84	1.691	27.891	34.843	41.560	3.251	0.39	4910
5200	2.099	34.860	5.80	1.618	27.889	34.844	41.565	3.344	0.35	5104
5400	2.062	34.853	5.76	1.557	27.888	34.845	41.568	3.439	0.25	5298
5600	2.065	34.850	5.74	1.534	27.887	34.846	41.570	3.535	0.16	5492
5745	2.080	34.849	5.74	1.528	27.887	34.846	41.570	3.606	0.10	5633

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
1	23.870	36.611	4.97	1.1	0.03	0.1	23.870	24.902	37.248	1
179	18.749	36.551	4.37	1.1	0.11	2.7	18.717	26.281	38.849	178
383	16.961	36.358	4.44	2.2	0.37	6.7	16.897	26.583	39.241	381
582	13.926	35.862	4.08	5.2	0.80	13.5	13.840	26.888	39.716	578
770	10.189	35.351	3.53	12.1	1.39	22.6	10.095	27.210	40.267	764
983	6.669	35.062	4.05	16.9	1.59	25.0	6.574	27.526	40.821	975
1181	5.366	35.078	5.06	14.4	1.34	20.8	5.261	27.706	41.094	1171
1382	4.749	35.067		14.0	1.27	19.5	4.632	27.771	41.205	1370
1553	4.386	35.053	5.67	14.7	1.26	19.2	4.257	27.801	41.264	1539
1780	3.984	35.032	5.73	17.1	1.27	19.3	3.837	27.829	41.324	1762
1983	3.678	35.011	5.76	20.4	1.30	19.7	3.516	27.844	41.365	1962
2183	3.421	34.993	5.78	22.8	1.31	19.8	3.245	27.857	41.398	2160
2384	3.208	34.973	5.78	25.3	1.32	20.0	3.015	27.862	41.422	2358
2683	2.969	34.953	5.87	28.1	1.34	20.2	2.752	27.870	41.452	2651
2980	2.797	34.939	5.88	29.6	1.34	20.2	2.553	27.877	41.474	2942
3288	2.621	34.925	5.90	30.8	1.34	20.0	2.348	27.883	41.497	3244
3588	2.491	34.918	5.95	31.3	1.32	19.7	2.189	27.891	41.518	3538
3888	2.393	34.911	6.00	31.4	1.31	19.5	2.060	27.896	41.533	3831
4189	2.326	34.900	6.01	33.1	1.33	19.7	1.961	27.895	41.541	4126
4491	2.282	34.898	5.98	36.2	1.35	20.0	1.882	27.899	41.552	4419
4791	2.227	34.882	5.90	41.4	1.42	20.9	1.793	27.894	41.554	4712
5090	2.132	34.865	5.78	49.6	1.50	22.2	1.663	27.890	41.561	5003
5375	2.073	34.854	5.73	55.2	1.56	23.0	1.570	27.888	41.567	5279
5751	2.089	34.849	5.67	57.6	1.58	23.4	1.536	27.886	41.569	5644

ENDEAVOR 129 STA= 34
DATE 17/ 4/84

LAT= 26 0.0N LON= 64 29.4W

SONIC DEPTH= 5686m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	24.423	36.600	4.91	24.422	24.728	30.992	37.053	0.010	3.69	3
25	23.978	36.617	4.83	23.972	24.876	31.148	37.218	0.079	6.91	25
50	22.827	36.682	4.95	22.817	25.264	31.560	37.651	0.151	6.45	50
75	22.059	36.683	4.93	22.044	25.486	31.798	37.905	0.216	4.16	74
100	21.190	36.597	4.93	21.171	25.665	31.996	38.122	0.277	4.26	99
150	19.822	36.589	4.44	19.794	26.030	32.393	38.548	0.387	4.69	149
200	19.007	36.601	4.25	18.970	26.254	32.636	38.810	0.484	3.29	199
250	18.269	36.522	4.42	18.225	26.383	32.784	38.975	0.573	2.66	248
300	17.887	36.489	4.48	17.835	26.455	32.865	39.065	0.658	1.98	298
350	17.426	36.428	4.51	17.366	26.523	32.945	39.158	0.740	2.10	347
400	17.052	36.370	4.54	16.985	26.571	33.003	39.225	0.821	1.78	397
450	16.488	36.271	4.44	16.414	26.630	33.078	39.314	0.900	2.05	447
500	15.664	36.129	4.25	15.584	26.712	33.183	39.442	0.977	2.61	496
600	13.573	35.798	3.98	13.487	26.912	33.444	39.761	1.117	2.55	595
700	11.421	35.501	3.68	11.330	27.105	33.704	40.084	1.240	2.71	694
800	9.328	35.254	3.49	9.236	27.279	33.946	40.392	1.344	2.54	793
900	7.551	35.091	3.62	7.459	27.425	34.154	40.658	1.431	2.12	892
1000	6.483	35.053	4.08	6.388	27.545	34.311	40.852	1.506	1.84	991
1200	5.420	35.074	4.99	5.313	27.697	34.503	41.081	1.629	1.45	1189
1400	4.717	35.056	5.48	4.598	27.766	34.599	41.203	1.732	1.02	1386
1600	4.358	35.049	5.61	4.224	27.802	34.649	41.267	1.827	0.86	1584
1800	3.966	35.026	5.66	3.818	27.826	34.689	41.323	1.918	0.75	1781
2000	3.653	35.005	5.69	3.490	27.842	34.719	41.365	2.006	0.69	1978
2200	3.384	34.985	5.70	3.207	27.854	34.742	41.398	2.093	0.61	2174
2400	3.208	34.971	5.69	3.014	27.861	34.757	41.421	2.179	0.54	2371
2600	3.044	34.958	5.69	2.834	27.867	34.770	41.442	2.264	0.49	2567
2800	2.910	34.947	5.71	2.682	27.872	34.781	41.459	2.350	0.51	2763
3000	2.770	34.936	5.75	2.524	27.877	34.793	41.477	2.436	0.52	2959
3200	2.658	34.927	5.81	2.394	27.881	34.802	41.491	2.521	0.49	3155
3400	2.534	34.919	5.88	2.251	27.886	34.814	41.508	2.607	0.51	3351
3600	2.457	34.913	5.91	2.155	27.889	34.821	41.519	2.692	0.45	3546
3800	2.394	34.908	5.92	2.071	27.892	34.827	41.529	2.778	0.38	3742
4000	2.337	34.902	5.91	1.993	27.894	34.832	41.537	2.864	0.38	3937
4200	2.304	34.898	5.91	1.938	27.895	34.836	41.543	2.952	0.32	4132
4400	2.277	34.894	5.90	1.889	27.895	34.838	41.548	3.041	0.33	4327
4600	2.237	34.887	5.88	1.826	27.895	34.840	41.552	3.131	0.33	4521
4800	2.195	34.879	5.82	1.760	27.893	34.842	41.556	3.222	0.30	4716
5000	2.174	34.872	5.78	1.715	27.891	34.842	41.558	3.315	0.30	4910
5200	2.115	34.862	5.71	1.633	27.890	34.844	41.564	3.409	0.39	5104
5400	2.095	34.856	5.67	1.589	27.888	34.844	41.566	3.504	0.25	5298
5600	2.102	34.854	5.66	1.569	27.888	34.844	41.567	3.601	0.20	5492
5715	2.092	34.851	5.65	1.544	27.888	34.845	41.569	3.658	0.40	5603

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
0	24.492	36.601	4.78	0.7	0.02	0.0	24.492	24.708	37.030	0
84	22.148	36.686	5.00	0.5	0.02	0.0	22.131	25.464	37.879	84
197	19.178	36.613	4.29	0.8	0.08	2.1	19.143	26.219	38.766	196
294	17.889	36.515	4.45	1.3	0.25	4.9	17.838	26.474	39.084	292
396	17.136	36.385	4.52	1.9	0.34	6.1	17.069	26.562	39.212	393
597	13.630	35.807	3.96	5.7	0.89	14.6	13.544	26.908	39.752	593
795	9.591	35.282	3.47	13.2	1.48	23.4	9.498	27.258	40.353	790
997	6.525	35.058	4.15	16.9	1.59	24.5	6.430	27.543	40.847	989
1197	5.460	35.075	5.05	14.2	1.36	20.8	5.353	27.693	41.074	1187
1396	4.715	35.058	5.54	13.7	1.28	19.4	4.597	27.768	41.205	1384
1598	4.399	35.052	5.67	14.8	1.27	19.2	4.265	27.799	41.262	1583
1797	3.989	35.031	5.72	16.9	1.28	19.2	3.841	27.828	41.322	1780
1999	3.680	35.007	5.76	19.7	1.29	19.4	3.517	27.841	41.361	1978
2195	3.409	34.988	5.78	22.2	1.32	19.7	3.231	27.854	41.397	2171
2395	3.220	34.973	5.77	24.8	1.33	19.9	3.026	27.861	41.420	2369
2597	3.042	34.958	5.78	27.1	1.35	20.0	2.831	27.867	41.442	2566
2803	2.914	34.948	5.81	28.6	1.36	20.1	2.686	27.872	41.459	2769
2997	2.775	34.936	5.86	29.3	1.35	20.0	2.530	27.876	41.476	2959
3500	2.502	34.915	6.00	28.9	1.31	19.2	2.209	27.887	41.512	3452
4001	2.346	34.902	6.05	31.9	1.33	19.4	2.002	27.893	41.536	3942
4487	2.278	34.891	5.96	34.9	1.36	19.9	1.879	27.894	41.547	4416
5002	2.178	34.877	5.84	45.5	1.47	21.4	1.719	27.895	41.562	4917
5614	2.111	34.852	5.73	54.9	1.57	22.7	1.576	27.886	41.565	5511
5719	2.101	34.850	5.70	56.2	1.59	23.0	1.552	27.886	41.567	5613

ENDEAVOR 129 STA= 35 LAT= 26 29.9N LON= 64 29.8W SONIC DEPTH= 5148m
 DATE 17/ 4/84

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	23.983	36.639	4.98	23.982	24.889	31.162	37.231	0.009	-1.06	3
25	23.888	36.636	4.90	23.883	24.917	31.191	37.262	0.076	2.85	25
50	22.499	36.661	5.03	22.489	25.343	31.646	37.744	0.149	8.27	50
75	21.700	36.636	5.09	21.685	25.552	31.872	37.986	0.213	4.88	74
100	20.719	36.592	5.08	20.700	25.790	32.132	38.267	0.271	4.47	99
150	19.571	36.529	4.90	19.543	26.050	32.419	38.581	0.378	4.43	149
200	18.520	36.488	4.64	18.485	26.292	32.686	38.871	0.472	3.11	199
250	18.098	36.480	4.66	18.054	26.394	32.798	38.994	0.560	2.28	248
300	17.840	36.473	4.57	17.788	26.455	32.866	39.068	0.644	1.95	298
350	17.496	36.434	4.58	17.436	26.511	32.931	39.141	0.727	1.78	347
400	17.178	36.391	4.63	17.110	26.557	32.986	39.204	0.809	1.88	397
450	16.605	36.291	4.51	16.531	26.618	33.063	39.296	0.889	2.59	447
500	15.647	36.127	4.32	15.568	26.715	33.186	39.445	0.965	2.41	496
600	13.762	35.837	4.12	13.674	26.903	33.429	39.740	1.106	2.67	595
700	11.838	35.567	3.82	11.745	27.079	33.664	40.032	1.231	2.55	694
800	9.786	35.302	3.52	9.691	27.241	33.892	40.323	1.339	2.42	793
900	7.863	35.105	3.53	7.768	27.392	34.109	40.603	1.431	2.16	892
1000	6.793	35.047	3.86	6.696	27.498	34.254	40.784	1.510	1.95	991
1200	5.616	35.072	4.88	5.508	27.672	34.471	41.042	1.641	1.59	1189
1400	4.916	35.074	5.47	4.795	27.758	34.583	41.180	1.747	1.09	1386
1600	4.438	35.058	5.70	4.303	27.800	34.644	41.259	1.844	0.83	1583
1800	4.070	35.042	5.75	3.921	27.828	34.687	41.316	1.936	0.83	1781
2000	3.678	35.010	5.79	3.515	27.843	34.719	41.364	2.025	0.66	1977
2200	3.427	34.990	5.83	3.248	27.854	34.740	41.395	2.112	0.64	2174
2400	3.231	34.974	5.82	3.037	27.861	34.756	41.420	2.198	0.52	2371
2600	3.072	34.961	5.82	2.860	27.867	34.769	41.439	2.284	0.50	2567
2800	2.910	34.947	5.85	2.682	27.872	34.782	41.459	2.370	0.53	2763
3000	2.785	34.938	5.86	2.539	27.877	34.792	41.476	2.455	0.50	2959
3200	2.677	34.929	5.92	2.412	27.881	34.802	41.490	2.541	0.49	3155
3400	2.579	34.922	5.98	2.295	27.885	34.810	41.503	2.627	0.50	3351
3600	2.482	34.916	6.01	2.179	27.890	34.820	41.518	2.713	0.47	3546
3800	2.404	34.909	6.05	2.081	27.892	34.827	41.529	2.799	0.41	3742
4000	2.347	34.904	6.07	2.003	27.895	34.833	41.538	2.886	0.41	3937
4200	2.307	34.900	6.07	1.942	27.896	34.837	41.544	2.973	0.35	4132
4400	2.277	34.895	6.05	1.888	27.897	34.840	41.549	3.062	0.29	4327
4600	2.249	34.889	6.00	1.837	27.896	34.841	41.552	3.152	0.28	4521
4800	2.214	34.882	5.94	1.779	27.895	34.842	41.556	3.243	0.32	4716
5000	2.184	34.875	5.88	1.726	27.893	34.843	41.559	3.336	0.27	4910
5197	2.152	34.868	5.84	1.669	27.892	34.844	41.562	3.429	0.35	5101

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
1	23.953	36.620	5.11	1.0		0.0	23.953	24.884	37.227	1
85	21.009	36.604	5.15	0.7		0.0	20.992	25.719	38.184	84
183	18.597	36.497	4.60	1.1		2.5	18.564	26.278	38.854	182
383	17.317	36.411	4.56	1.9		5.9	17.252	26.538	39.178	381
582	14.143	35.892	4.07	5.0		13.3	14.056	26.866	39.681	578
782	10.165	35.356	3.73	12.4		22.8	10.070	27.218	40.276	776
982	6.948	35.055	3.82	18.1		26.3	6.851	27.483	40.758	974
1182	5.650	35.070	4.78	15.9		22.3	5.543	27.666	41.033	1172
1382	4.957	35.072	5.45	14.2		19.9	4.838	27.751	41.170	1370
1582	4.508	35.063	5.63	15.1		19.5	4.374	27.796	41.250	1568
1784	4.085	35.050	5.71	17.3		19.5	3.938	27.833	41.320	1766
1980	3.725	35.015	5.79	20.0		19.6	3.563	27.843	41.359	1959
2184	3.455	34.994	5.81	22.8		19.9	3.278	27.854	41.393	2160
2384	3.241	34.981	5.82	25.5		20.1	3.048	27.866	41.423	2357
2583	3.072		5.81	27.2		20.2				2553
2785	2.910	34.949	5.82	28.8		20.2	2.683	27.873	41.460	2751
3087	2.741			30.1		20.1				3047
3387	2.588		6.02	30.3		19.9				3342
3687	2.455		6.08	30.2		19.6				3635
3989	2.359	34.903		31.3		19.5	2.016	27.893	41.534	3930
4289	2.297	34.897	6.05	33.4		19.6	1.921	27.895	41.545	4223
5204	2.162	34.876	5.88	48.8		22.0	1.678	27.897	41.567	5113

ENDEAVOR 129 STA= 36
DATE 18/ 4/84

LAT= 26 59.4N LON= 64 30.5W

SONIC DEPTH= 5200m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	22.676	36.685	5.05	22.676	25.308	31.606	37.700	0.008	3.25	3
25	22.202	36.704	5.03	22.197	25.459	31.768	37.871	0.065	4.19	25
50	21.568	36.684	5.07	21.558	25.624	31.946	38.063	0.127	5.10	50
75	20.942	36.650	5.07	20.928	25.772	32.109	38.239	0.184	3.85	74
100	20.306	36.571	4.98	20.287	25.886	32.237	38.382	0.240	4.71	99
150	18.807	36.491	4.61	18.781	26.218	32.606	38.784	0.339	3.46	149
200	18.219	36.463	4.64	18.184	26.349	32.750	38.943	0.429	2.51	199
250	17.998	36.474	4.55	17.954	26.414	32.821	39.019	0.515	2.19	248
300	17.609	36.446	4.52	17.558	26.490	32.908	39.115	0.598	1.90	298
350	17.256	36.400	4.58	17.197	26.543	32.969	39.186	0.680	1.85	347
400	16.927	36.347	4.53	16.860	26.583	33.019	39.244	0.759	1.85	397
450	16.210	36.221	4.38	16.137	26.656	33.112	39.356	0.838	2.26	447
500	15.377	36.075	4.23	15.299	26.736	33.215	39.481	0.913	2.41	496
600	13.604	35.798	3.93	13.517	26.906	33.437	39.752	1.052	2.57	595
700	11.352	35.483	3.63	11.261	27.104	33.705	40.087	1.175	2.60	694
800	9.180	35.230	3.51	9.089	27.285	33.957	40.407	1.279	2.45	793
900	7.525	35.081	3.63	7.433	27.421	34.151	40.656	1.368	2.18	892
1000	6.480	35.046	4.12	6.385	27.539	34.306	40.847	1.443	1.81	991
1200	5.555	35.072	4.95	5.447	27.679	34.480	41.054	1.569	1.46	1189
1400	4.919	35.075	5.43	4.798	27.759	34.584	41.181	1.675	1.06	1386
1600	4.464	35.066	5.61	4.328	27.803	34.647	41.260	1.772	0.86	1583
1800	4.091	35.042	5.71	3.942	27.826	34.685	41.313	1.864	0.83	1780
2000	3.721	35.013	5.78	3.558	27.842	34.715	41.359	1.953	0.66	1977
2200	3.435	34.990	5.80	3.257	27.853	34.739	41.394	2.040	0.60	2174
2400	3.230	34.973	5.80	3.035	27.860	34.755	41.419	2.126	0.57	2371
2600	3.063	34.958	5.80	2.851	27.865	34.768	41.439	2.212	0.51	2567
2800	2.933	34.948	5.82	2.705	27.870	34.779	41.455	2.299	0.48	2763
3000	2.817	34.938	5.85	2.570	27.874	34.788	41.470	2.385	0.48	2959
3200	2.698	34.929	5.90	2.432	27.879	34.799	41.486	2.472	0.49	3155
3400	2.595	34.921	5.98	2.311	27.883	34.808	41.500	2.559	0.53	3351
3600	2.493	34.914	6.02	2.190	27.888	34.818	41.515	2.645	0.47	3546
3800	2.414	34.908	6.07	2.090	27.891	34.825	41.526	2.732	0.46	3741
4000	2.356	34.903	6.09	2.012	27.893	34.831	41.535	2.819	0.38	3937
4200	2.319	34.900	6.07	1.952	27.895	34.835	41.542	2.906	0.34	4132
4400	2.288	34.895	6.05	1.899	27.895	34.838	41.547	2.995	0.32	4326
4600	2.260	34.889	6.01	1.848	27.895	34.839	41.550	3.086	0.30	4521
4800	2.235	34.883	5.98	1.799	27.893	34.840	41.553	3.178	0.27	4715
5000	2.207	34.875	5.92	1.747	27.892	34.841	41.556	3.272	0.30	4910
5200	2.164	34.867	5.88	1.681	27.890	34.842	41.560	3.367	0.43	5104
5245	2.122	34.861	5.82	1.635	27.889	34.843	41.563	3.388	0.58	5147

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
7	22.742	36.685	5.04	0.5	0.08	0.0	22.740	25.289	37.679	7
84	21.161	36.676	5.11	0.6	0.08	0.0	21.145	25.732	38.189	83
184	18.483	36.477	4.67	1.0	0.18	2.6	18.451	26.292	38.874	183
281	17.815	36.471	4.55	1.5	0.30	4.9	17.767	26.458	39.072	280
382	17.072	36.368	4.53	2.1	0.40	6.5	17.007	26.564	39.217	379
481	15.753	36.148	4.37	3.4	0.58	9.5	15.676	26.706	39.431	478
584	13.788	35.826	3.92	5.8	0.91	14.8	13.702	26.889	39.725	580
783	9.639	35.281	3.57	13.3	1.53	24.1	9.547	27.249	40.341	777
984	6.728	35.052	4.07	17.5	1.68	25.5	6.633	27.511	40.801	976
1182	5.516	35.066	4.97	15.1	1.43	21.8	5.410	27.679	41.056	1172
1384	4.907	35.081	5.44	14.3	1.33	20.1	4.788	27.764	41.187	1372
1599	4.451	35.068	5.60	16.0	1.31	19.8	4.316	27.807	41.265	1585
1802	4.024	35.040	5.72	18.1	1.30	19.7	3.876	27.831	41.323	1784
1999	3.714	35.014	5.77	20.2	1.31	19.8	3.550	27.843	41.361	1979
2198	3.438	34.994	5.79	23.0	1.32	20.1	3.259	27.856	41.396	2175
2400	3.240	34.976	5.81	25.5	1.34	20.3	3.045	27.862	41.420	2374
2604	3.082	34.962	5.81	27.4	1.34	20.4	2.870	27.867	41.439	2574
2803	2.936	34.949	5.82	29.1	1.36	20.5	2.707	27.871	41.456	2770
2998	2.815	34.939	5.88	30.0	1.35	20.4	2.568	27.875	41.472	2961
3500	2.545	34.919	6.07	29.0	1.31	19.7	2.251	27.886	41.509	3452
4005	2.362	34.906	6.07	30.5	1.30	19.4	2.017	27.895	41.537	3946
4498	2.275	34.892	6.03	35.7	1.35	20.0	1.875	27.895	41.548	4427
5145	2.194	34.872	5.88	46.1		21.0	1.717	27.891	41.558	5056

ENDEAVOR 129 STA= 37
DATE 18/ 4/84

LAT= 27 29.9N LON= 64 30.1W

SONIC DEPTH= 5313m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	22.516	36.721	5.14	22.515	25.381	31.683	37.780	0.008	1.92	3
25	21.912	36.697	5.08	21.907	25.536	31.850	37.960	0.064	6.08	25
50	20.827	36.616	5.20	20.818	25.776	32.115	38.248	0.122	4.75	50
75	20.171	36.562	5.18	20.157	25.914	32.268	38.416	0.176	3.86	74
100	19.727	36.540	5.19	19.708	26.016	32.381	38.538	0.228	2.49	99
150	19.531	36.532	5.15	19.504	26.063	32.433	38.595	0.328	2.05	149
200	18.782	36.490	4.82	18.747	26.227	32.615	38.795	0.425	2.93	199
250	18.215	36.469	4.60	18.171	26.356	32.758	38.951	0.515	2.51	248
300	17.899	36.473	4.52	17.847	26.440	32.850	39.050	0.602	2.27	298
350	17.514	36.432	4.49	17.455	26.505	32.925	39.135	0.685	2.06	347
400	17.094	36.377	4.55	17.027	26.566	32.997	39.218	0.766	1.86	397
450	16.560	36.286	4.52	16.486	26.625	33.071	39.305	0.846	2.24	447
500	15.805	36.153	4.39	15.725	26.699	33.166	39.421	0.923	2.58	496
600	13.794	35.821	4.09	13.707	26.884	33.409	39.720	1.064	2.57	595
700	11.559	35.518	3.84	11.467	27.093	33.687	40.063	1.189	2.71	694
800	9.770	35.320	3.70	9.675	27.258	33.910	40.341	1.295	2.40	793
900	7.934	35.124	3.65	7.839	27.396	34.111	40.603	1.387	2.28	892
1000	6.628	35.069	4.12	6.532	27.537	34.299	40.835	1.464	2.10	991
1200	5.442	35.075	5.06	5.335	27.695	34.500	41.077	1.586	1.36	1189
1400	4.866	35.075	5.48	4.746	27.764	34.591	41.190	1.691	0.96	1386
1600	4.471	35.058	5.67	4.336	27.796	34.639	41.253	1.788	0.83	1583
1800	4.055	35.030	5.79	3.906	27.820	34.680	41.310	1.881	0.79	1780
2000	3.747	35.013	5.79	3.583	27.839	34.712	41.354	1.971	0.69	1977
2200	3.516	34.996	5.78	3.336	27.850	34.733	41.384	2.060	0.64	2174
2400	3.260	34.974	5.82	3.065	27.858	34.752	41.415	2.147	0.59	2371
2600	3.085	34.959	5.83	2.874	27.864	34.766	41.436	2.234	0.53	2567
2800	2.949	34.948	5.82	2.720	27.869	34.777	41.453	2.320	0.49	2763
3000	2.814	34.937	5.87	2.567	27.874	34.789	41.471	2.407	0.54	2959
3200	2.688	34.929	5.93	2.423	27.880	34.800	41.488	2.494	0.49	3155
3400	2.583	34.921	5.99	2.300	27.884	34.809	41.502	2.580	0.50	3351
3600	2.472	34.914	6.05	2.169	27.889	34.820	41.518	2.666	0.51	3546
3800	2.389	34.908	6.06	2.067	27.892	34.828	41.530	2.752	0.41	3741
4000	2.344	34.903	6.07	2.000	27.894	34.832	41.537	2.839	0.37	3936
4200	2.311	34.899	6.06	1.945	27.895	34.836	41.543	2.926	0.35	4131
4400	2.279	34.894	6.05	1.890	27.895	34.838	41.548	3.015	0.33	4326
4600	2.244	34.887	6.00	1.832	27.894	34.839	41.551	3.105	0.28	4521
4800	2.220	34.880	5.95	1.785	27.893	34.840	41.554	3.197	0.28	4715
5000	2.206	34.875	5.92	1.746	27.892	34.841	41.556	3.290	0.23	4910
5200	2.210	34.872	5.90	1.725	27.891	34.841	41.557	3.386	0.16	5104
5400	2.226	34.872	5.90	1.715	27.891	34.841	41.558	3.484	0.13	5298
5575	2.212	34.866	5.88	1.678	27.890	34.841	41.560	3.571	0.38	5467

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
4	22.477	36.721	5.02		0.02	0.0	22.476	25.392	37.792	4
84	19.696	36.547	5.24		0.02	0.0	19.681	26.028	38.552	83
184	18.872	36.499	4.83	0.2	0.07	1.5	18.839	26.210	38.773	183
285	17.902	36.473	4.54	1.0	0.26	4.7	17.853	26.438	39.048	283
377	17.250	36.406	4.56	1.5	0.33	5.9	17.186	26.550	39.194	374
454	16.478	36.277	4.50	2.1	0.44	7.4	16.404	26.637	39.322	451
584	14.128	35.877	4.16	4.7	0.79	13.0	14.041	26.857	39.673	579
783	10.170	35.362	3.74	11.1	1.36	21.7	10.075	27.222	40.280	777
983	6.765	35.073	4.13	16.2	1.60	24.7	6.669	27.522	40.810	975
1182	5.525	35.078	5.05	14.2	1.40	21.1	5.419	27.687	41.064	1172
1381	4.930	35.081	5.47	13.7	1.31	19.8	4.811	27.762	41.182	1369
1584	4.510	35.066	5.65	14.7	1.28	19.4	4.376	27.799	41.252	1569
1783	4.104	35.039	5.78	16.4	1.28	19.3	3.956	27.822	41.308	1766
1983	3.778	35.019	5.79	19.3	1.31	19.6	3.615	27.841	41.353	1962
2182	3.502	34.997	5.82	21.9	1.32	19.7	3.324	27.852	41.387	2159
2483	3.181	34.970	5.88	25.1	1.35	19.9	2.979	27.863	41.426	2455
2685	3.015	34.955	5.88	27.2	1.36	20.0	2.796	27.868	41.446	2653
2985	2.832	34.941	5.91	28.3	1.36	20.0	2.587	27.875	41.470	2948
3487	2.567	34.920	6.09	27.5	1.31	19.2	2.275	27.885	41.505	3439
3988	2.356	34.906	6.14	30.0	1.31	19.2	2.013	27.895	41.537	3929
4490	2.270		6.05	34.9	1.36	19.7				4418
4989	2.217	34.878	5.94	43.1	1.46	21.2	1.758	27.893	41.556	4904
5390	2.234	34.873	5.91	45.8	1.47	21.6	1.724	27.892	41.558	5294
5580	2.220	34.868	5.91	48.4	1.51	22.1	1.686	27.890	41.560	5478

ENDEAVOR 129 STA= 38
DATE 18/ 4/85

LAT= 28 0.0N LON= 64 30.2W

SONIC DEPTH= 5014m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	22.716	36.673	4.90	22.716	25.287	31.585	37.678	0.008	5.39	3
25	21.644	36.669	4.96	21.639	25.589	31.910	38.025	0.064	5.59	25
50	20.847	36.620	5.03	20.837	25.774	32.113	38.245	0.123	5.22	50
75	20.250	36.578	5.09	20.236	25.904	32.257	38.402	0.177	3.35	74
100	19.794	36.541	5.11	19.776	25.999	32.362	38.518	0.229	2.74	99
150	19.442	36.523	5.07	19.415	26.079	32.451	38.615	0.329	2.50	149
200	18.681	36.484	4.81	18.646	26.248	32.638	38.820	0.425	3.34	199
250	18.209	36.462	4.65	18.165	26.352	32.755	38.948	0.515	2.16	248
300	17.968	36.476	4.56	17.916	26.425	32.833	39.032	0.601	2.10	298
350	17.622	36.445	4.60	17.562	26.488	32.905	39.113	0.686	2.21	347
400	17.237	36.397	4.58	17.169	26.547	32.975	39.192	0.768	1.81	397
450	16.818	36.327	4.53	16.743	26.596	33.035	39.263	0.848	1.91	447
500	16.123	36.206	4.41	16.042	26.667	33.125	39.371	0.927	2.48	496
600	14.559	35.946	4.24	14.468	26.819	33.322	39.611	1.074	2.36	595
700	12.329	35.621	3.88	12.233	27.027	33.597	39.950	1.206	2.71	694
800	10.473	35.394	3.78	10.374	27.195	33.824	40.234	1.320	2.65	793
900	8.611	35.223	3.79	8.511	27.371	34.062	40.531	1.417	2.43	892
1000	6.995	35.071	3.92	6.895	27.490	34.238	40.762	1.498	2.07	991
1200	5.618	35.078	4.96	5.510	27.676	34.475	41.046	1.629	1.49	1189
1400	4.951	35.072	5.49	4.829	27.752	34.576	41.172	1.737	1.11	1386
1600	4.526	35.061	5.70	4.390	27.793	34.634	41.245	1.835	0.85	1583
1800	4.080	35.026	5.85	3.931	27.814	34.673	41.302	1.929	0.76	1780
2000	3.727	35.001	5.91	3.564	27.832	34.706	41.349	2.020	0.72	1977
2200	3.507	34.989	5.91	3.328	27.845	34.728	41.380	2.110	0.61	2174
2400	3.271	34.971	5.91	3.075	27.855	34.748	41.410	2.198	0.60	2370
2600	3.118	34.961	5.86	2.906	27.863	34.763	41.432	2.285	0.53	2567
2800	2.973	34.950	5.88	2.743	27.869	34.776	41.451	2.372	0.49	2763
3000	2.850	34.940	5.91	2.602	27.873	34.786	41.467	2.459	0.49	2959
3200	2.714	34.929	6.00	2.448	27.878	34.797	41.484	2.547	0.54	3155
3400	2.604	34.922	6.04	2.320	27.883	34.807	41.499	2.634	0.52	3350
3600	2.503	34.915	6.08	2.200	27.887	34.817	41.514	2.720	0.48	3546
3800	2.425	34.909	6.11	2.101	27.891	34.824	41.525	2.807	0.43	3741
4000	2.368	34.905	6.11	2.023	27.894	34.831	41.535	2.894	0.39	3936
4200	2.322	34.899	6.10	1.956	27.895	34.835	41.541	2.982	0.38	4131
4400	2.289	34.894	6.06	1.900	27.895	34.837	41.546	3.071	0.27	4326
4600	2.274	34.890	6.00	1.862	27.894	34.838	41.549	3.162	0.27	4521
4800	2.245	34.883	6.00	1.809	27.893	34.839	41.552	3.255	0.31	4715
5000	2.202	34.875	5.96	1.742	27.892	34.841	41.556	3.348	0.37	4909
5089	2.178	34.871	5.88	1.708	27.891	34.842	41.558	3.390	0.35	4996

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
4	22.748	36.675	5.05	1.0	0.03	0.0	22.747	25.279	37.669	4
84	20.218	36.579	5.20	0.8	0.03	0.0	20.202	25.914	38.414	84
183	19.056	36.510	4.92	0.7	0.06	1.0	19.023	26.171	38.725	182
284	18.047	36.477	4.57	1.4	0.22	4.2	17.997	26.406	39.009	282
383	17.338	36.413	4.54	2.0	0.31	5.8	17.273	26.535	39.174	381
483	16.578	36.286	4.47	2.4	0.43	7.6	16.499	26.622	39.302	480
582	14.858	35.996	4.21	4.0	0.68	11.5	14.769	26.792	39.567	578
782	10.701	35.407	3.72	10.6	1.30	20.9	10.603	27.165	40.189	776
983	7.189	35.084	3.85	17.0	1.66	25.7	7.090	27.473	40.731	976
1182	5.719	35.075	4.89	15.0	1.43	21.8	5.612	27.661	41.024	1172
1382	4.996	35.074	5.46	13.8	1.30	19.9	4.876	27.749	41.165	1370
1581	4.529	35.060	5.67	14.5	1.27	19.3	4.395	27.792	41.244	1567
1782	4.102	35.030	5.81	15.7	1.26	19.2	3.955	27.815	41.301	1764
1982	3.799	35.008	5.89	17.3	1.28	19.3	3.637	27.830	41.341	1961
2183	3.538	34.991	5.93	19.6	1.29	19.3	3.359	27.844	41.377	2160
2384	3.321	34.977	5.94	22.1	1.31	19.7	3.126	27.855	41.406	2358
2585	3.149	34.965	5.87	25.4	1.34	20.1	2.938	27.863	41.429	2555
2785	2.984	34.953	5.88	27.5	1.36	20.2	2.756	27.870	41.451	2751
2987	2.864	34.942	5.94	28.3	1.36	20.2	2.617	27.873	41.466	2949
3497	2.551	34.919	6.12	27.1	1.30	19.3	2.257	27.886	41.508	3449
4006	2.372	34.905	6.14	29.3	1.30	19.3	2.026	27.894	41.534	3946
4507	2.289	34.892	6.06	34.5	1.35	19.9	1.887	27.894	41.547	4435
4985	2.220	34.877	5.94	42.8	1.45	21.4	1.762	27.892	41.555	4900
5094	2.188	34.871	5.88	46.4	1.49	21.5	1.717	27.891	41.557	5006

ENDEAVOR 129 STA= 39 LAT= 28 30.1N LON= 64 30.2W SONIC DEPTH= 5035m
 DATE 18/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	22.243	36.565	5.17	22.243	25.340	31.649	37.753	0.008	1.83	3
25	21.831	36.688	5.10	21.826	25.551	31.868	37.979	0.065	7.07	25
50	21.048	36.636	5.14	21.038	25.731	32.065	38.193	0.123	4.18	50
75	20.206	36.572	5.16	20.192	25.911	32.265	38.412	0.177	4.24	74
100	19.557	36.543	5.29	19.538	26.063	32.432	38.593	0.228	3.16	99
150	19.035	36.512	5.19	19.008	26.177	32.558	38.732	0.325	2.50	149
200	18.740	36.505	5.06	18.704	26.249	32.638	38.818	0.418	2.16	199
250	18.322	36.466	4.74	18.278	26.327	32.726	38.917	0.508	2.30	248
300	18.076	36.488	4.62	18.024	26.407	32.813	39.009	0.596	2.15	298
350	17.763	36.463	4.60	17.703	26.468	32.881	39.085	0.681	1.84	347
400	17.432	36.422	4.60	17.364	26.519	32.942	39.154	0.764	1.75	397
450	17.126	36.379	4.75	17.050	26.563	32.993	39.213	0.847	1.75	447
500	16.470	36.264	4.55	16.388	26.631	33.080	39.317	0.927	2.43	496
600	14.736	35.977	4.32	14.644	26.805	33.302	39.586	1.078	2.33	595
700	12.928	35.701	4.04	12.830	26.972	33.523	39.858	1.215	2.80	694
800	10.729	35.423	3.80	10.629	27.172	33.793	40.194	1.333	2.68	793
900	8.973	35.246	3.73	8.871	27.332	34.011	40.468	1.432	2.36	892
1000	7.419	35.117	3.87	7.317	27.466	34.200	40.708	1.517	2.10	991
1200	5.879	35.093	4.76	5.768	27.656	34.445	41.007	1.654	1.65	1189
1400	5.103	35.083	5.36	4.980	27.743	34.562	41.152	1.765	1.11	1386
1600	4.579	35.062	5.66	4.442	27.788	34.627	41.237	1.866	0.93	1583
1800	4.248	35.049	5.74	4.096	27.815	34.667	41.290	1.962	0.83	1780
2000	3.844	35.019	5.81	3.679	27.835	34.703	41.342	2.054	0.73	1977
2200	3.577	35.000	5.82	3.396	27.848	34.728	41.378	2.144	0.64	2174
2400	3.347	34.981	5.81	3.151	27.856	34.746	41.405	2.232	0.60	2370
2600	3.168	34.967	5.80	2.954	27.863	34.761	41.428	2.320	0.57	2567
2800	2.984	34.952	5.82	2.754	27.870	34.776	41.451	2.408	0.53	2763
3000	2.880	34.942	5.83	2.632	27.873	34.784	41.464	2.495	0.46	2959
3200	2.756	34.933	5.90	2.490	27.877	34.795	41.480	2.583	0.52	3155
3400	2.641	34.925	5.96	2.356	27.882	34.805	41.496	2.671	0.53	3350
3600	2.534	34.917	6.05	2.230	27.887	34.815	41.511	2.758	0.55	3546
3800	2.447	34.911	6.10	2.123	27.891	34.823	41.523	2.845	0.40	3741
4000	2.376	34.906	6.10	2.031	27.894	34.831	41.534	2.933	0.42	3936
4200	2.318	34.900	6.08	1.952	27.895	34.835	41.542	3.021	0.38	4131
4400	2.287	34.895	6.05	1.898	27.895	34.838	41.547	3.110	0.32	4326
4600	2.266	34.890	6.02	1.853	27.895	34.839	41.550	3.200	0.30	4520
4800	2.237	34.883	6.00	1.801	27.894	34.841	41.554	3.292	0.26	4715
5000	2.208	34.876	5.95	1.749	27.892	34.841	41.556	3.386	0.34	4909
5071	2.205	34.875	5.92	1.737	27.892	34.841	41.557	3.420	0.21	4978

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
3	22.185	36.625	5.04	1.1	0.02	0.0	22.185	25.402	37.816	3
86	19.757	36.553	5.27	1.0	0.02	0.0	19.741	26.017	38.538	86
233	18.617	36.507	5.04	1.1	0.08	1.6	18.575	26.283	38.859	231
383	17.536	36.438	4.60	1.9	0.27	5.1	17.470	26.506	39.135	381
483	16.805	36.333	4.54	2.5	0.39	6.8	16.725	26.605	39.272	480
583	15.167	36.057	4.28	3.8	0.59	10.3	15.076	26.771	39.528	579
682	13.456	35.782	4.42	5.9	0.85	14.2	13.357	26.927	39.782	677
782	11.582	35.540	3.89	8.8	1.14	18.3	11.480	27.108	40.077	776
882	9.514	35.308	3.73	12.7	1.42	22.3	9.411	27.293	40.393	876
982	7.674	35.137	3.86	16.2	1.60	24.7	7.572	27.445	40.670	974
1084	6.692	35.104	4.19	16.7	1.57	24.1	6.586	27.558	40.851	1075
1183	6.182	35.149	4.67	15.1	1.43	21.7	6.070	27.662	40.990	1173
1283	5.482	35.087	5.04	14.6	1.36	20.5	5.367	27.701	41.081	1272
1382	5.152	35.086	5.31	14.4	1.32	20.0	5.030	27.740	41.145	1370
1581	4.642	35.070		14.5	1.29	19.3	4.506	27.787	41.231	1566
1781	4.268	35.057	5.73	16.2	1.29	19.2	4.118	27.819	41.292	1764
1982	3.918	35.029		18.4	1.29	19.3	3.753	27.835	41.337	1962
2483	3.278	34.980		24.8	1.35	20.0	3.075	27.862	41.418	2455
2987	2.899	34.954	5.86	28.8	1.36	20.1	2.652	27.880	41.469	2949
3490	2.596	34.922	6.06	28.8	1.32	19.5	2.303	27.884	41.502	3442
3990	2.391	34.907	6.10	29.2	1.31	19.1	2.047	27.893	41.532	3931
4488	2.286	34.894	6.05	34.6	1.36	19.8	1.886	27.896	41.548	4417
4888	2.237	34.882	5.98	40.6	1.42	20.6	1.790	27.894	41.554	4806
5080	2.216	34.879	5.92	44.3	1.47	21.4	1.746	27.895	41.559	4993

ENDEAVOR 129 STA= 40 LAT= 29 0.5N LON= 64 29.9W SONIC DEPTH= 5050m
 DATE 19/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-0 kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	21.590	36.604	5.16	21.589	25.554	31.877	37.994	0.007	-0.47	3
25	21.498	36.617	5.14	21.493	25.591	31.915	38.034	0.061	5.22	25
50	20.640	36.621	5.22	20.630	25.831	32.174	38.311	0.117	4.43	50
75	20.011	36.559	5.23	19.997	25.954	32.312	38.463	0.171	4.46	74
100	19.594	36.535	5.21	19.576	26.046	32.414	38.575	0.221	2.35	99
150	19.252	36.517	5.09	19.225	26.124	32.501	38.669	0.319	2.27	149
200	18.812	36.493	4.82	18.776	26.221	32.609	38.787	0.415	2.69	199
250	18.326	36.467	4.71	18.282	26.327	32.726	38.917	0.506	2.30	248
300	18.109	36.470	4.62	18.057	26.386	32.790	38.986	0.594	2.01	298
350	17.851	36.474	4.55	17.790	26.454	32.866	39.067	0.680	2.02	347
400	17.447	36.425	4.55	17.378	26.518	32.940	39.152	0.764	1.88	397
450	17.153	36.383	4.59	17.077	26.558	32.988	39.208	0.846	1.68	446
500	16.624	36.291	4.46	16.542	26.616	33.060	39.294	0.927	2.16	496
600	14.935	36.010	4.18	14.843	26.786	33.278	39.557	1.080	2.49	595
700	13.110	35.730	4.04	13.011	26.957	33.503	39.833	1.218	2.53	694
800	11.441	35.515	3.84	11.336	27.115	33.713	40.092	1.340	2.35	793
900	9.305	35.268	3.65	9.201	27.296	33.964	40.410	1.446	2.68	892
1000	7.760	35.163	3.89	7.655	27.454	34.175	40.672	1.534	2.20	991
1200	5.872	35.089	4.75	5.761	27.653	34.443	41.005	1.673	1.67	1188
1400	5.085	35.074	5.37	4.962	27.739	34.557	41.148	1.785	1.09	1386
1600	4.659	35.074	5.60	4.522	27.788	34.624	41.231	1.886	0.89	1583
1800	4.231	35.038	5.80	4.080	27.809	34.662	41.285	1.983	0.76	1780
2000	3.832	35.008	5.90	3.667	27.827	34.696	41.336	2.076	0.76	1977
2200	3.560	34.990	5.91	3.380	27.841	34.722	41.372	2.167	0.63	2174
2400	3.367	34.975	5.93	3.170	27.850	34.739	41.398	2.257	0.63	2370
2600	3.117	34.957	5.98	2.905	27.860	34.760	41.429	2.346	0.61	2567
2800	2.946	34.945	6.00	2.717	27.867	34.775	41.451	2.434	0.57	2763
3000	2.804	34.936	6.05	2.558	27.874	34.789	41.471	2.521	0.56	2959
3200	2.678	34.928	6.05	2.413	27.880	34.801	41.489	2.607	0.53	3155
3400	2.551	34.921	6.08	2.268	27.886	34.813	41.507	2.692	0.52	3350
3600	2.450	34.914	6.13	2.148	27.891	34.822	41.521	2.778	0.48	3546
3800	2.384	34.908	6.13	2.061	27.893	34.829	41.531	2.863	0.40	3741
4000	2.335	34.903	6.11	1.991	27.895	34.833	41.539	2.949	0.37	3936
4200	2.293	34.898	6.10	1.928	27.896	34.837	41.545	3.036	0.32	4131
4400	2.272	34.894	6.07	1.884	27.896	34.839	41.549	3.125	0.27	4326
4600	2.257	34.889	6.06	1.845	27.895	34.840	41.551	3.215	0.25	4520
4800	2.244	34.884	6.02	1.808	27.894	34.841	41.553	3.307	0.26	4715
5000	2.236	34.880	5.97	1.776	27.893	34.841	41.555	3.401	0.25	4909
5123	2.216	34.876	5.94	1.741	27.892	34.842	41.557	3.460	0.36	5028

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-0 kg/m3	SIG-3 kg/m3	DE m
4	21.589	36.616	5.08	0.5	0.03	0.0	21.589	25.563	38.002	4
99	19.638	36.533	5.13	0.5	0.03	0.0	19.620	26.033	38.560	99
200	18.910	36.501	4.92	0.8	0.07	1.2	18.874	26.203	38.764	199
302	18.120	36.471	4.67	1.3	0.20	3.7	18.067	26.384	38.983	301
396	17.582	36.442	4.78	1.8	0.30	5.4	17.514	26.498	39.125	394
488	16.909	36.341	4.48	2.4	0.40	7.0	16.827	26.586	39.249	485
604	15.109	36.037	4.19	4.1	0.67	11.2	15.016	26.769	39.530	599
797	11.360	35.493	3.75	9.7	1.24	19.9	11.257	27.113	40.096	791
997	7.882	35.171	3.91	15.2	1.55	24.2	7.777	27.442	40.652	989
1194	5.994	35.089	4.72	15.2	1.46	22.4	5.883	27.638	40.981	1184
1395	5.131	35.076	5.38	13.6	1.32	19.9	5.008	27.735	41.141	1382
1599	4.708	35.079	5.57	14.6	1.29	19.5	4.570	27.787	41.226	1584
1794	4.268	35.043	5.77	15.2	1.27	19.0	4.117	27.808	41.282	1777
2001	3.898	35.014	5.86	16.7	1.28	19.0	3.731	27.825	41.329	1980
2201	3.590	34.994	5.91	18.9	1.28	19.1	3.409	27.842	41.370	2177
2400	3.376	34.980	5.94	20.5	1.29	19.1	3.179	27.853	41.400	2373
2597	3.151	34.960	6.00	21.6	1.29	19.0	2.938	27.859	41.425	2567
2802	2.952	34.948	6.03	22.7	1.29	18.7	2.723	27.869	41.453	2768
3003	2.797	34.937	6.07	23.4	1.28	18.6	2.550	27.875	41.473	2966
3503	2.499	34.917	6.13	25.9	1.28	18.5	2.207	27.888	41.514	3455
4006	2.339	34.903	6.10	30.3	1.31	19.1	1.994	27.894	41.538	3947
4505	2.273	34.892	6.03	35.7	1.36	19.7	1.872	27.895	41.549	4433
5025	2.243	34.879	5.95	42.1	1.42	20.7	1.779	27.892	41.554	4939
5129	2.223	34.875	5.91	44.6	1.46	21.0	1.747	27.891	41.556	5041

ENDEAVOR 129 STA= 41
DATE 19/ 4/85

LAT= 29 20.2N LON= 64 29.9W

SONIC DEPTH= 3818m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	21.341	36.626	5.15	21.341	25.640	31.967	38.089	0.007	0.26	3
25	21.281	36.633	5.11	21.276	25.663	31.992	38.115	0.059	3.68	25
50	20.295	36.593	5.23	20.286	25.903	32.254	38.398	0.114	5.07	50
75	20.078	36.584	5.24	20.064	25.955	32.311	38.461	0.166	2.05	74
100	19.527	36.544	5.23	19.508	26.071	32.441	38.602	0.217	3.20	99
150	19.015	36.521	5.07	18.988	26.188	32.570	38.744	0.313	3.01	149
200	18.631	36.519	5.14	18.595	26.288	32.679	38.862	0.404	1.40	199
250	18.374	36.495	5.00	18.330	26.336	32.734	38.923	0.494	2.10	248
300	18.194	36.499	4.95	18.141	26.387	32.789	38.982	0.582	2.00	298
350	17.760	36.462	4.62	17.699	26.468	32.881	39.085	0.668	2.00	347
400	17.499	36.433	4.56	17.431	26.511	32.932	39.143	0.751	1.74	397
450	17.152	36.383	4.59	17.076	26.559	32.989	39.208	0.834	1.71	446
500	16.445	36.265	4.53	16.363	26.637	33.087	39.325	0.914	2.05	496
600	15.013	36.024	4.38	14.920	26.781	33.270	39.547	1.067	2.61	595
700	13.089	35.728	4.05	12.990	26.960	33.507	39.837	1.205	2.58	694
800	11.120	35.458	3.69	11.017	27.130	33.738	40.128	1.326	2.45	793
900	9.290	35.258	3.62	9.186	27.290	33.959	40.406	1.431	2.60	892
1000	7.537	35.128	3.93	7.433	27.458	34.187	40.692	1.519	2.23	991
1200	5.911	35.097	4.84	5.800	27.655	34.443	41.004	1.656	1.58	1188
1400	5.121	35.088	5.34	4.997	27.746	34.563	41.153	1.767	1.10	1386
1600	4.443	35.040	5.73	4.308	27.785	34.629	41.244	1.868	0.95	1583
1800	4.125	35.024	5.85	3.975	27.808	34.665	41.292	1.963	0.71	1780
2000	3.889	35.021	5.84	3.723	27.832	34.699	41.336	2.056	0.79	1977
2200	3.578	34.997	5.87	3.397	27.845	34.725	41.375	2.147	0.65	2174
2400	3.367	34.983	5.85	3.170	27.856	34.745	41.404	2.235	0.58	2370
2600	3.179	34.969	5.84	2.965	27.863	34.761	41.428	2.324	0.52	2567
2800	3.018	34.955	5.83	2.788	27.869	34.774	41.447	2.411	0.53	2763
3000	2.862	34.942	5.90	2.614	27.874	34.786	41.466	2.499	0.54	2959
3200	2.724	34.932	6.00	2.459	27.880	34.798	41.485	2.586	0.55	3154
3400	2.604	34.924	6.05	2.320	27.885	34.810	41.501	2.673	0.57	3350
3600	2.454	34.914	6.15	2.152	27.891	34.822	41.521	2.759	0.55	3546
3800	2.366	34.907	6.14	2.044	27.894	34.830	41.533	2.844	0.40	3741
4000	2.309	34.902	6.12	1.966	27.896	34.835	41.541	2.929	0.36	3936
4081	2.293	34.900	6.12	1.942	27.896	34.837	41.544	2.964	0.42	4015

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
3	21.337	36.613	5.03	1.0	0.03	0.1	21.336	25.631	38.081	3
83	19.898	36.567	5.19	0.9	0.03	0.1	19.883	25.990	38.504	82
183	18.672	36.521	5.06	0.9	0.06	1.1	18.639	26.278	38.850	182
284	18.350	36.513	4.98	1.0	0.10	2.0	18.300	26.358	38.946	282
383	17.661	36.450	4.46	2.0	0.30	5.6	17.595	26.484	39.107	381
483	16.985	36.361	4.52	2.2	0.36	6.6	16.903	26.584	39.242	480
583	15.636	36.133	4.33	3.2	0.54	9.5	15.543	26.725	39.456	579
781	11.550	35.512	3.66	9.5	1.21	19.9	11.448	27.092	40.063	776
981	7.690	35.138	3.90	15.5	1.55	24.5	7.588	27.444	40.667	974
1184	6.026	35.100	4.75	14.7	1.42	22.0	5.915	27.643	40.983	1174
1381	5.164	35.086	5.33	14.2	1.31	20.1	5.042	27.739	41.142	1369
1581	4.555	35.050	5.65	14.0	1.27	19.3	4.420	27.781	41.231	1566
1782	4.154	35.024	5.83	14.8	1.25	19.1	4.006	27.805	41.287	1765
1983	3.935	35.026	5.78	17.7	1.28	19.5	3.770	27.831	41.331	1963
2181	3.635	35.001	5.83	19.6	1.29	19.5	3.455	27.843	41.368	2158
2385	3.400	34.987	5.79	23.0	1.32	19.8	3.204	27.856	41.401	2359
2585	3.211	34.972	5.80	25.4	1.34	20.2	2.999	27.863	41.424	2555
2788	3.051	34.959	5.81	27.4	1.35	20.4	2.821	27.869	41.445	2754
2986	2.883	34.946	5.85	28.4	1.36	20.3	2.636	27.875	41.466	2948
3238	2.709	34.931	5.98	27.4	1.32	19.8	2.440	27.880	41.487	3196
3489	2.547	34.923	6.07	26.0	1.28	19.1	2.255	27.889	41.511	3441
3741	2.391	34.908	6.07	28.2	1.29	19.1	2.075	27.892	41.529	3688
3990	2.319	34.902	6.03	30.7	1.30	19.3	1.977	27.895	41.540	3931
4089	2.303	34.899	6.05	32.0	1.32	19.3	1.950	27.895	41.542	4027

ENDEAVOR 129 STA= 42 LAT= 29 40.0N LON= 64 29.8W SONIC DEPTH= 4917m
 DATE 19/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	20.135	36.500	5.32	20.135	25.872	32.227	38.376	0.006	0.34	3
25	19.793	36.528	5.28	19.788	25.985	32.348	38.504	0.053	6.27	25
50	19.130	36.528	5.23	19.121	26.160	32.539	38.709	0.101	3.45	50
75	18.839	36.517	5.26	18.825	26.227	32.613	38.790	0.146	2.57	74
100	18.702	36.520	5.12	18.684	26.266	32.655	38.836	0.191	1.34	99
150	18.656	36.519	5.17	18.630	26.279	32.670	38.851	0.281	0.74	149
200	18.595	36.512	5.14	18.559	26.291	32.684	38.867	0.370	1.21	199
250	18.463	36.504	5.06	18.419	26.321	32.716	38.903	0.460	1.80	248
300	18.094	36.468	4.71	18.041	26.388	32.793	38.989	0.549	2.19	298
350	17.847	36.467	4.61	17.786	26.450	32.862	39.064	0.635	1.80	347
400	17.525	36.429	4.53	17.457	26.502	32.922	39.132	0.719	2.10	397
450	17.108	36.368	4.50	17.032	26.558	32.989	39.210	0.802	1.62	446
500	16.658	36.290	4.44	16.576	26.607	33.050	39.283	0.883	1.93	496
600	15.117	36.027	4.15	15.024	26.760	33.247	39.520	1.038	2.59	595
700	12.964	35.690	3.85	12.866	26.955	33.506	39.840	1.177	2.74	694
800	10.504	35.372	3.61	10.405	27.172	33.801	40.209	1.297	2.84	793
900	8.691	35.199	3.63	8.591	27.339	34.028	40.495	1.396	2.54	892
1000	7.308	35.127	4.04	7.207	27.490	34.227	40.740	1.479	2.16	991
1200	5.859	35.107	4.92	5.748	27.669	34.459	41.021	1.611	1.46	1188
1400	5.024	35.078	5.47	4.902	27.748	34.570	41.163	1.720	1.08	1386
1600	4.508	35.050	5.77	4.373	27.786	34.628	41.240	1.820	0.89	1583
1800	4.132	35.031	5.89	3.982	27.813	34.670	41.297	1.915	0.73	1780
2000	3.854	35.015	5.93	3.689	27.831	34.699	41.337	2.008	0.69	1977
2200	3.620	35.002	5.92	3.439	27.845	34.724	41.371	2.099	0.69	2174
2400	3.355	34.983	5.92	3.158	27.856	34.746	41.405	2.188	0.63	2370
2600	3.159	34.967	5.92	2.946	27.864	34.763	41.430	2.275	0.55	2566
2800	3.017	34.955	5.93	2.786	27.869	34.774	41.448	2.363	0.54	2763
3000	2.843	34.941	6.00	2.596	27.874	34.788	41.469	2.450	0.55	2959
3200	2.705	34.931	6.08	2.439	27.880	34.800	41.487	2.537	0.52	3154
3400	2.587	34.923	6.16	2.304	27.885	34.810	41.503	2.624	0.57	3350
3600	2.457	34.915	6.20	2.155	27.891	34.822	41.521	2.709	0.56	3545
3800	2.347	34.906	6.19	2.026	27.894	34.831	41.535	2.794	0.42	3741
4000	2.296	34.900	6.18	1.954	27.896	34.836	41.542	2.879	0.34	3936
4200	2.263	34.895	6.15	1.898	27.896	34.838	41.547	2.966	0.31	4131
4400	2.250	34.892	6.12	1.862	27.896	34.840	41.550	3.054	0.21	4325
4600	2.255	34.889	6.10	1.843	27.895	34.840	41.551	3.144	0.15	4520
4800	2.237	34.884	6.06	1.801	27.895	34.841	41.554	3.236	0.33	4714
4843	2.228	34.883	6.07	1.788	27.895	34.842	41.555	3.256	0.31	4756

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
7	20.204		5.22							7
202	18.619	36.518	5.08	0.9	0.06	1.0	18.583	26.290	38.864	200
396	17.535	36.441	4.47	2.1	0.31	5.6	17.467	26.509	39.138	393
594	15.177	36.048	4.07	4.4	0.69	11.5	15.084	26.762	39.519	589
799	10.437	35.363	3.50	12.1	1.40	22.3	10.339	27.177	40.218	793
999	7.356	35.132	3.99	15.6	1.54	24.0	7.254	27.487	40.733	991
1198	5.870	35.109	4.89	14.5	1.38	21.0	5.759	27.670	41.021	1188
1381	5.088	35.081	5.39	14.0	1.31	19.8	4.967	27.744	41.153	1369
1582	4.545	35.055	5.71	14.0	1.26	19.1	4.411	27.786	41.237	1568
1782	4.182	35.034	5.81	15.3	1.26	19.0	4.033	27.810	41.290	1765
1982	3.878	35.019	5.88	17.5	1.27	19.1	3.714	27.831	41.336	1962
2185	3.645	35.006	5.84	20.2	1.29	19.4	3.465	27.846	41.370	2161
2385	3.397	34.987	5.86	22.9	1.31	19.7	3.201	27.856	41.401	2358
2584	3.180	34.969	5.86	25.8	1.34	20.0	2.968	27.863	41.427	2554
2783	3.040	34.957	5.87	27.3	1.34	19.6	2.810	27.868	41.445	2750
2986	2.867	34.943	5.98	26.3	1.31	19.5	2.620	27.874	41.466	2948
3188	2.733	34.932	6.02	26.8	1.31	19.3	2.468	27.878	41.483	3147
3387	2.605	34.924	6.09	25.8	1.28	18.7	2.322	27.884	41.501	3342
3686	2.416	34.911	6.13	27.6	1.28	18.6	2.106	27.892	41.526	3634
3987	2.307	34.901	6.10	31.3	1.31	19.1	1.966	27.895	41.541	3928
4288	2.262	34.893	6.12	34.5	1.34	19.5	1.887	27.895	41.547	4222
4489	2.261	34.891	6.05	35.8	1.35	19.7	1.863	27.895	41.550	4418
4692	2.263	34.890	6.03	37.1	1.36	19.9	1.839	27.896	41.553	4615
4848	2.239	34.882	5.98	40.4	1.41	20.4	1.797	27.893	41.553	4767

ENDEAVOR 129 STA= 43
DATE 19/ 4/85

LAT= 29 60.0N LON= 64 29.8W

SONIC DEPTH= 4818m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	20.064	36.472	5.41	20.063	25.870	32.227	38.378	0.006	5.54	3
25	19.584	36.545	5.27	19.579	26.053	32.421	38.582	0.051	3.21	25
50	19.476	36.540	5.30	19.467	26.079	32.450	38.613	0.100	1.80	50
75	19.358	36.533	5.26	19.344	26.105	32.479	38.644	0.148	2.35	74
100	19.024	36.504	5.22	19.006	26.171	32.553	38.726	0.196	2.52	99
150	18.707	36.509	5.08	18.680	26.258	32.647	38.828	0.288	1.97	149
200	18.532	36.503	5.04	18.496	26.300	32.694	38.879	0.377	1.48	199
250	18.204	36.461	4.87	18.160	26.353	32.755	38.949	0.466	1.80	248
300	18.040	36.460	4.69	17.988	26.395	32.801	38.999	0.553	1.70	298
350	17.821	36.460	4.57	17.760	26.451	32.863	39.066	0.639	1.89	347
400	17.501	36.424	4.52	17.432	26.504	32.925	39.135	0.724	1.96	397
450	17.097	36.362	4.50	17.021	26.556	32.987	39.208	0.806	1.90	446
500	16.626	36.278	4.39	16.543	26.605	33.050	39.283	0.887	2.12	496
600	15.016	36.005	4.12	14.923	26.765	33.255	39.531	1.041	2.42	595
700	12.741	35.656	3.82	12.643	26.974	33.531	39.872	1.179	2.91	694
800	10.495	35.382	3.63	10.396	27.182	33.810	40.219	1.296	2.77	793
900	8.734	35.207	3.64	8.634	27.339	34.026	40.491	1.394	2.32	892
1000	7.237	35.105	3.96	7.136	27.483	34.222	40.738	1.477	2.19	991
1200	5.779	35.109	4.96	5.669	27.681	34.473	41.038	1.608	1.50	1188
1400	5.011	35.077	5.46	4.889	27.749	34.571	41.164	1.716	0.99	1386
1600	4.516	35.051	5.73	4.381	27.786	34.627	41.240	1.816	0.89	1583
1800	4.188	35.036	5.82	4.037	27.811	34.666	41.291	1.912	0.74	1780
2000	3.911	35.024	5.84	3.745	27.832	34.698	41.334	2.005	0.75	1977
2200	3.557	34.991	5.94	3.376	27.842	34.723	41.374	2.096	0.69	2174
2400	3.340	34.976	5.95	3.144	27.853	34.743	41.403	2.185	0.61	2370
2600	3.158	34.961	5.99	2.945	27.859	34.758	41.425	2.273	0.55	2566
2800	2.986	34.949	6.01	2.756	27.866	34.773	41.448	2.362	0.59	2763
3000	2.832	34.940	5.98	2.585	27.874	34.788	41.469	2.449	0.55	2959
3200	2.703	34.931	6.09	2.438	27.880	34.800	41.487	2.535	0.57	3154
3400	2.536	34.920	6.15	2.254	27.887	34.815	41.509	2.621	0.59	3350
3600	2.426	34.913	6.16	2.124	27.892	34.825	41.524	2.706	0.47	3545
3800	2.341	34.906	6.14	2.020	27.895	34.832	41.536	2.790	0.41	3741
4000	2.290	34.901	6.13	1.947	27.896	34.837	41.544	2.875	0.33	3936
4200	2.260	34.896	6.10	1.895	27.897	34.839	41.548	2.961	0.28	4131
4400	2.249	34.892	6.07	1.861	27.896	34.840	41.551	3.049	0.23	4325
4600	2.249	34.889	6.05	1.838	27.895	34.840	41.552	3.139	0.17	4520
4800	2.235	34.884	6.03	1.799	27.895	34.841	41.554	3.231	0.28	4714
4995	2.215	34.878	5.97	1.755	27.893	34.842	41.557	3.322	0.17	4904

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
5	20.097	36.446	5.25	0.3	0.02	0.0	20.096	25.841	38.348	4
184	18.559	36.501	5.03	0.9	0.08	1.7	18.526	26.291	38.869	183
384	17.584	36.441	4.47	1.8	0.31	5.5	17.518	26.496	39.123	382
581	15.359	36.070	4.18	4.1	0.66	10.8	15.268	26.738	39.485	577
783	10.894	35.427	3.63	10.7	1.32	21.0	10.795	27.146	40.158	777
983	7.451	35.122	3.98	15.5	1.58	24.4	7.351	27.466	40.705	975
1182	5.769	35.085	5.03	14.2	1.40	21.1	5.661	27.663	41.022	1172
1384	5.061	35.081	5.39	13.6	1.31	19.9	4.940	27.747	41.158	1371
1583	4.570	35.056	5.72	13.9	1.28	19.3	4.436	27.784	41.233	1568
1783	4.208	35.040	5.79	15.2	1.28	19.2	4.058	27.812	41.290	1765
1984	3.924	35.030	5.79	17.8	1.30	19.5	3.759	27.835	41.336	1964
2285	3.453	34.983	5.93	19.6	1.29	19.3	3.266	27.847	41.387	2260
2486	3.267	34.971	5.94	21.9	1.34	19.6	3.064	27.856	41.413	2458
2785	2.997	34.950	5.99	23.3	1.30	19.4	2.768	27.866	41.447	2751
2984	2.849	34.942	5.98				2.603	27.875	41.468	2947
3188	2.705	34.930	6.12	24.2	1.29	19.0	2.441	27.879	41.486	3146
3588	2.440	34.913	6.13	26.7	1.29	19.0	2.139	27.891	41.522	3538
3789	2.351	34.906		28.9	1.31	19.1	2.030	27.894	41.534	3735
3990	2.300	34.901	6.13	30.9	1.33	19.4	1.958	27.896	41.542	3931
4190	2.272	34.896	6.08	33.0	1.35	19.6	1.908	27.896	41.546	4126
4390	2.261	34.893	6.06	34.8	1.37	19.9	1.875	27.896	41.549	4321
4592	2.259	34.890	6.05	36.1	1.39	20.1	1.848	27.896	41.551	4518
4904	2.221	34.881	5.98	40.5	1.47	21.0	1.773	27.894	41.556	4822
5002	2.224	34.879	5.94	42.5	1.46	21.0	1.764	27.893	41.556	4917

ENDEAVOR 129 STA= 44
DATE 19/ 4/85

LAT= 30 20.1N LON= 64 30.0W

SONIC DEPTH= 4686m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	20.022	36.509	5.31	20.022	25.909	32.267	38.418	0.006	1.23	3
25	19.861	36.510	5.20	19.857	25.953	32.315	38.469	0.052	3.92	25
50	19.343	36.521	5.20	19.334	26.099	32.472	38.638	0.102	3.76	50
75	19.077	36.507	5.21	19.064	26.159	32.539	38.711	0.149	1.53	74
100	18.953	36.503	5.04	18.935	26.189	32.572	38.747	0.196	2.03	99
150	18.735	36.517	5.07	18.708	26.258	32.646	38.826	0.287	1.60	149
200	18.608	36.511	5.01	18.573	26.287	32.679	38.862	0.377	1.11	199
250	18.548	36.508	5.06	18.504	26.302	32.696	38.881	0.468	1.13	248
300	18.321	36.481	4.84	18.268	26.341	32.740	38.931	0.558	1.92	298
350	18.055	36.463	4.64	17.994	26.395	32.802	38.999	0.646	2.09	347
400	17.741	36.450	4.48	17.672	26.465	32.880	39.084	0.733	1.99	397
450	17.294	36.394	4.47	17.218	26.534	32.960	39.176	0.817	2.16	446
500	16.786	36.311	4.51	16.703	26.593	33.033	39.262	0.899	2.37	496
600	14.956	36.002	4.23	14.864	26.776	33.267	39.545	1.052	2.54	595
700	12.985	35.692	3.91	12.886	26.953	33.503	39.837	1.190	2.66	694
800	10.669	35.390	3.65	10.569	27.158	33.780	40.184	1.310	2.65	793
900	8.664	35.196	3.66	8.564	27.341	34.031	40.498	1.411	2.52	892
1000	7.099	35.104	4.07	6.999	27.501	34.245	40.765	1.494	2.21	991
1200	5.639	35.085	5.00	5.530	27.679	34.477	41.047	1.623	1.52	1188
1400	4.854	35.052	5.60	4.734	27.747	34.575	41.174	1.731	0.99	1386
1600	4.480	35.040	5.78	4.345	27.782	34.624	41.238	1.831	0.82	1583
1800	4.162	35.026	5.88	4.012	27.806	34.662	41.288	1.927	0.77	1780
2000	3.836	35.001	5.96	3.671	27.821	34.690	41.329	2.021	0.70	1977
2200	3.601	34.990	5.97	3.420	27.838	34.717	41.366	2.113	0.69	2174
2400	3.367	34.975	5.98	3.170	27.849	34.739	41.397	2.203	0.62	2370
2600	3.179	34.960	6.01	2.966	27.857	34.755	41.421	2.293	0.61	2566
2800	2.975	34.947	6.04	2.745	27.866	34.773	41.448	2.381	0.61	2762
3000	2.794	34.936	6.11	2.548	27.874	34.790	41.472	2.468	0.63	2958
3200	2.610	34.925	6.14	2.347	27.883	34.806	41.497	2.554	0.61	3154
3400	2.467	34.916	6.16	2.186	27.889	34.819	41.517	2.638	0.53	3350
3600	2.359	34.908	6.14	2.059	27.893	34.829	41.531	2.721	0.46	3545
3800	2.295	34.902	6.14	1.974	27.895	34.835	41.540	2.804	0.36	3740
4000	2.249	34.897	6.11	1.907	27.896	34.838	41.547	2.888	0.33	3936
4200	2.228	34.893	6.07	1.864	27.897	34.841	41.551	2.974	0.22	4130
4400	2.232	34.891	6.05	1.844	27.896	34.841	41.552	3.061	0.14	4325
4600	2.237	34.888	6.03	1.826	27.896	34.841	41.553	3.150	0.20	4520
4729	2.213	34.883	6.01	1.787	27.895	34.842	41.556	3.209	0.33	4645

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
3	20.012	36.504	5.25	0.1	0.02	0.0	20.012	25.908	38.417	3
183	18.659	36.514	5.15	0.2	0.07	1.2	18.626	26.276	38.848	182
384	17.953	36.461	4.56	1.1	0.25	4.5	17.886	26.421	39.030	381
583	15.656	36.118	4.25	3.2	0.60	10.2	15.563	26.709	39.440	579
782	11.249	35.468	3.65	9.7	1.27	20.7	11.148	27.113	40.103	776
982	7.406	35.126	4.16	13.8	1.49	23.3	7.306	27.475	40.718	974
1183	5.753	35.086	4.98	13.4	1.37	21.0	5.645	27.666	41.026	1173
1381	4.901	35.056	5.63	12.0	1.26	19.2	4.782	27.745	41.168	1369
1582	4.546	35.047	5.79	12.8	1.25	19.2	4.411	27.780	41.231	1567
1784	4.174	35.031	5.88	13.7	1.25	18.9	4.025	27.808	41.289	1766
1984	3.882	35.007	5.98	14.9	1.25	18.7	3.718	27.821	41.326	1964
2182	3.648	35.000	5.98	16.8	1.26	19.0	3.468	27.841	41.365	2159
2384	3.404	34.979	6.00	18.9	1.27	19.0	3.208	27.849	41.394	2357
2583	3.201	34.963	6.09	19.4	1.27	18.7	2.989	27.857	41.419	2553
2786	3.003	34.952	6.10	20.9	1.27	18.7	2.775	27.867	41.447	2752
2986	2.826	34.939	6.10	21.9	1.26	18.5	2.580	27.874	41.470	2949
3187	2.633	34.927	6.18	22.9	1.26	18.3	2.371	27.883	41.495	3146
3387	2.479	34.915	6.19	24.7	1.27	18.4	2.199	27.887	41.514	3342
3589	2.376	34.910	6.15	26.8	1.28	18.6	2.077	27.893	41.530	3539
3788	2.303		6.16	29.0	1.30	18.9				3734
3989	2.257	34.896	6.15	31.5	1.32	19.0	1.917	27.895	41.545	3930
4193	2.236	34.895	6.06	33.6	1.34	19.5	1.872	27.898	41.551	4129
4491	2.245	34.889	6.06	35.0	1.34	19.6	1.847	27.895	41.551	4420
4739	2.220	34.882	6.00	39.5	1.41	20.3	1.792	27.894	41.554	4661

ENDEAVOR 129 STA= 45
DATE 20/ 4/85

LAT= 30 39.9N LON= 64 29.8W

SONIC DEPTH= 4737m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	19.945	36.481	5.37	19.945	25.908	32.268	38.421	0.002	-0.94	1
25	19.737	36.488	5.17	19.733	25.969	32.334	38.491	0.052	5.00	25
50	19.338	36.527	5.23	19.329	26.105	32.479	38.645	0.101	2.51	50
75	18.912	36.516	5.17	18.898	26.208	32.592	38.768	0.148	3.13	74
100	18.780	36.518	5.07	18.763	26.244	32.631	38.810	0.193	1.87	99
150	18.632	36.513	5.05	18.605	26.280	32.671	38.854	0.283	1.22	149
200	18.583	36.513	5.05	18.547	26.295	32.687	38.871	0.372	0.87	199
250	18.518	36.505	5.06	18.474	26.307	32.702	38.887	0.462	1.44	248
300	18.275	36.491	4.89	18.222	26.360	32.760	38.952	0.552	1.56	298
350	18.068	36.477	4.65	18.007	26.403	32.809	39.006	0.640	1.96	347
400	17.761	36.461	4.51	17.692	26.469	32.882	39.086	0.726	1.97	397
450	17.441	36.422	4.45	17.364	26.519	32.941	39.153	0.811	2.05	446
500	17.041	36.357	4.44	16.956	26.568	33.001	39.224	0.893	1.78	496
600	15.673	36.112	4.22	15.578	26.701	33.172	39.431	1.053	2.35	595
700	13.401	35.754	3.94	13.300	26.917	33.455	39.777	1.197	2.94	694
800	10.828	35.412	3.63	10.727	27.146	33.764	40.163	1.320	2.75	793
900	8.870	35.215	3.65	8.769	27.324	34.007	40.467	1.421	2.54	892
1000	7.436	35.144	4.07	7.334	27.485	34.218	40.726	1.505	2.28	991
1200	5.515	35.080	5.11	5.408	27.690	34.492	41.067	1.634	1.46	1188
1400	4.837	35.053	5.57	4.717	27.750	34.578	41.178	1.740	0.93	1386
1600	4.368	35.020	5.81	4.234	27.777	34.625	41.243	1.840	0.81	1583
1800	4.189	35.030	5.83	4.038	27.806	34.661	41.286	1.936	0.74	1780
2000	3.788	34.991	5.95	3.624	27.818	34.689	41.330	2.030	0.69	1977
2200	3.584	34.985	5.97	3.403	27.835	34.715	41.364	2.122	0.68	2173
2400	3.366	34.975	5.95	3.169	27.849	34.739	41.397	2.213	0.65	2370
2600	3.151	34.961	5.95	2.938	27.859	34.758	41.426	2.302	0.63	2566
2800	2.959	34.947	6.01	2.730	27.867	34.775	41.451	2.389	0.53	2762
3000	2.782	34.936	6.05	2.538	27.876	34.791	41.475	2.476	0.62	2958
3200	2.622	34.928	6.10	2.358	27.883	34.806	41.496	2.561	0.61	3154
3400	2.473	34.916	6.12	2.192	27.889	34.819	41.516	2.645	0.54	3350
3600	2.359	34.908	6.11	2.059	27.893	34.829	41.531	2.729	0.45	3545
3800	2.292	34.902	6.10	1.972	27.895	34.834	41.540	2.812	0.39	3740
4000	2.250	34.896	6.08	1.908	27.896	34.838	41.547	2.896	0.30	3935
4200	2.238	34.893	6.04	1.874	27.896	34.839	41.549	2.982	0.21	4130
4400	2.239	34.891	6.03	1.852	27.896	34.840	41.551	3.069	0.12	4325
4600	2.258	34.890	6.03	1.846	27.896	34.840	41.551	3.159	0.07	4520
4791	2.278	34.890	6.03	1.842	27.896	34.841	41.552	3.247	0.04	4705

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
7	19.948	36.482	5.26	0.3	0.03	0.0	19.947	25.908	38.421	6
201	18.597	36.510	5.06	0.5	0.17	1.2	18.561	26.289	38.865	200
399	17.839	36.467	5.67	1.6	0.27	5.1	17.770	26.454	39.068	396
599	15.436	36.072	4.14	3.9	0.66	11.1	15.341	26.724	39.467	595
798	11.146	35.463	3.61	10.1	1.28	20.8	11.043	27.129	40.125	792
998	7.668	35.162	4.00	14.5	1.51	23.9	7.564	27.466	40.690	990
1197	5.614	35.081	5.10	13.3	1.34	20.7	5.506	27.679	41.049	1187
1398	4.895	35.053	5.58	12.8	1.28	19.7	4.774	27.744	41.168	1385
1582	4.450	35.028	5.85	12.9	1.25	19.2	4.317	27.775	41.234	1567
1782	4.226	35.030	5.86	14.1	1.25	19.2	4.077	27.802	41.279	1764
1981	3.832	34.996	5.96	14.9	1.25	19.0	3.668	27.817	41.326	1961
2285	3.509	34.984	5.98	18.4	1.28	19.3	3.321	27.842	41.378	2260
2584	3.175	34.963	5.99	21.5	1.29	19.5	2.963	27.859	41.424	2554
2784	2.995	34.949	6.05	22.2	1.29	19.2	2.767	27.866	41.446	2750
2986	2.808	34.937	6.09	23.0	1.28	19.0	2.563	27.874	41.471	2948
3187	2.640	34.929	6.14	23.6	1.27	18.9	2.377	27.884	41.496	3145
3387	2.490	34.916	6.16	25.4	1.27	18.6	2.210	27.887	41.513	3342
3588	2.379	34.909	6.18	27.4	1.29	19.0	2.080	27.892	41.529	3538
3787	2.309	34.904	6.13	29.5	1.31	19.1	1.989	27.896	41.539	3733
3991	2.260	34.897	6.10	32.2		19.4	1.920	27.896	41.545	3932
4190	2.246	34.893	6.07	33.9	1.35	19.6	1.883	27.895	41.548	4126
4391	2.247	34.892	6.07	35.3	1.37	19.8	1.860	27.896	41.551	4322
4696	2.276	34.890	6.05	35.7	1.36	19.7	1.852	27.895	41.551	4620
4797	2.287	34.890	6.05	35.9	1.37	19.8	1.850	27.895	41.551	4717

ENDEAVOR 129 STA= 46
DATE 20/ 4/85

LAT= 30 59.9N LON= 64 30.0W

SONIC DEPTH= 4604m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	19.851	36.517	5.31	19.850	25.960	32.322	38.477	0.006	1.98	3
25	19.692	36.517	5.21	19.688	26.003	32.369	38.527	0.051	3.76	25
50	19.443	36.533	5.23	19.434	26.082	32.454	38.617	0.100	2.14	50
75	19.000	36.508	5.21	18.987	26.179	32.561	38.735	0.147	3.60	74
100	18.792	36.499	5.05	18.774	26.227	32.614	38.793	0.193	1.96	99
150	18.713	36.516	5.07	18.686	26.262	32.651	38.832	0.284	1.19	149
200	18.633	36.515	5.05	18.597	26.284	32.675	38.858	0.374	0.94	199
250	18.585	36.512	5.06	18.541	26.296	32.688	38.872	0.464	1.01	248
300	18.294	36.466	4.77	18.241	26.337	32.737	38.928	0.555	1.95	298
350	18.031	36.461	4.64	17.970	26.400	32.807	39.005	0.643	1.97	347
400	17.784	36.454	4.48	17.715	26.458	32.872	39.075	0.730	1.88	397
450	17.418	36.417	4.48	17.341	26.521	32.944	39.157	0.815	2.05	446
500	16.995	36.350	4.45	16.911	26.573	33.008	39.231	0.897	1.98	496
600	15.710	36.124	4.22	15.614	26.702	33.172	39.430	1.056	2.29	595
700	13.933	35.840	4.04	13.829	26.873	33.395	39.702	1.202	2.81	694
800	11.230	35.462	3.69	11.127	27.113	33.718	40.104	1.328	2.67	793
900	9.225	35.254	3.69	9.122	27.298	33.969	40.418	1.434	2.89	892
1000	7.200	35.137	4.14	7.100	27.513	34.254	40.770	1.518	2.29	991
1200	5.513	35.075	5.10	5.406	27.687	34.489	41.064	1.646	1.46	1188
1400	4.882	35.057	5.54	4.761	27.748	34.575	41.173	1.753	0.99	1386
1600	4.486	35.042	5.75	4.350	27.782	34.624	41.238	1.853	0.84	1583
1800	4.203	35.033	5.83	4.052	27.807	34.661	41.286	1.949	0.76	1780
2000	3.922	35.016	5.88	3.755	27.824	34.690	41.326	2.043	0.70	1977
2200	3.634	34.994	5.91	3.452	27.838	34.716	41.363	2.135	0.66	2173
2400	3.367	34.970	5.99	3.170	27.845	34.735	41.393	2.226	0.61	2370
2600	3.198	34.963	5.98	2.985	27.857	34.754	41.420	2.316	0.62	2566
2800	2.996	34.948	6.02	2.766	27.865	34.771	41.445	2.405	0.60	2762
3000	2.815	34.937	6.08	2.568	27.874	34.788	41.470	2.492	0.60	2958
3200	2.632	34.926	6.12	2.368	27.882	34.805	41.495	2.578	0.65	3154
3400	2.474	34.916	6.13	2.193	27.889	34.819	41.516	2.663	0.57	3350
3600	2.359	34.908	6.12	2.060	27.893	34.829	41.531	2.746	0.47	3545
3800	2.289	34.902	6.10	1.969	27.896	34.835	41.541	2.829	0.38	3740
4000	2.257	34.897	6.09	1.916	27.896	34.838	41.546	2.913	0.28	3935
4200	2.243	34.894	6.06	1.878	27.896	34.840	41.549	2.999	0.22	4130
4400	2.243	34.891	6.04	1.856	27.896	34.840	41.551	3.087	0.19	4325
4600	2.258	34.890	6.01	1.846	27.896	34.840	41.551	3.176	0.09	4520
4677	2.265	34.890	6.02	1.844	27.896	34.841	41.552	3.212	0.17	4594

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
5	19.851	36.508	5.20	0.3	0.03	0.0	19.850	25.954	38.470	5
82	18.922	36.507	5.17	0.4	0.04	0.7	18.907	26.199	38.758	82
181	18.656	36.518	5.10	0.5	0.08	1.2	18.624	26.279	38.852	180
384	17.799	36.452	4.53	1.4	0.28	5.0	17.732	26.452	39.068	381
577	15.947	36.173	4.23	3.3	0.57	9.6	15.854	26.685	39.399	573
783	11.691	35.524	3.68	9.3	1.22	19.9	11.588	27.075	40.038	777
982	7.616	35.155	4.01	14.4	1.51	23.3	7.515	27.468	40.696	975
1182	5.675	35.076	5.04	13.2	1.35	20.4	5.568	27.667	41.033	1172
1381	5.000	35.070	5.40	13.2	1.29	19.5	4.880	27.745	41.161	1369
1583	4.587	35.049	5.68	13.3	1.26	19.0	4.452	27.777	41.225	1568
1783	4.269	35.036	5.78	14.4	1.26	18.9	4.119	27.802	41.276	1765
1983	3.950	35.015	5.88	15.6	1.26	18.7	3.784	27.821	41.320	1963
2185	3.699	35.003	5.82	17.7	1.27	19.0	3.518	27.838	41.358	2161
2584	3.234	34.966	5.91	20.9	1.28	19.0	3.021	27.856	41.416	2554
2785	3.028	34.952	6.02	21.9	1.28	19.0	2.799	27.865	41.443	2751
2985	2.845	34.939	6.08	22.3	1.27	18.6	2.599	27.873	41.467	2948
3185	2.676	34.929	6.08	23.5	1.27	18.6	2.413	27.881	41.490	3144
3387	2.501	34.917	6.13	25.3	1.27	18.6	2.221	27.887	41.512	3341
3587	2.374	34.909	6.09	27.6	1.29	18.7	2.075	27.893	41.529	3537
3788	2.299	34.901	6.13	30.0	1.30	19.1	1.981	27.894	41.539	3734
3989	2.266	34.897	6.09	32.1	1.32	19.4	1.926	27.895	41.544	3930
4167	2.251	34.894	6.08	33.7	1.34	19.6	1.891	27.895	41.547	4104
4572	2.264	34.890	6.03	35.8	1.35	19.8	1.856	27.895	41.550	4498
4685	2.274	34.889	6.02	35.9	1.36	19.8	1.852	27.895	41.550	4608

ENDEAVOR 129 STA= 47
DATE 20/ 4/85

LAT= 31 19.9N LON= 64 30.0W

SONIC DEPTH= 4501m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	20.138	36.468	5.08	20.137	25.847	32.203	38.351	0.006	2.91	3
25	20.105	36.578	5.11	20.100	25.941	32.297	38.445	0.053	3.30	25
50	20.012	36.581	5.15	20.003	25.969	32.327	38.477	0.104	1.29	50
75	19.805	36.559	5.17	19.791	26.008	32.371	38.526	0.155	4.00	74
100	19.258	36.519	5.05	19.240	26.122	32.498	38.666	0.204	3.22	99
150	18.803	36.549	5.02	18.776	26.264	32.651	38.829	0.297	1.90	149
200	18.610	36.515	5.09	18.574	26.290	32.682	38.865	0.387	0.97	199
250	18.572	36.514	5.10	18.528	26.301	32.694	38.878	0.477	0.64	248
300	18.492	36.508	5.04	18.439	26.318	32.714	38.900	0.567	2.00	298
350	18.120	36.482	4.75	18.058	26.394	32.799	38.994	0.656	2.19	347
400	17.859	36.468	4.56	17.789	26.450	32.862	39.063	0.743	1.95	397
450	17.433	36.415	4.50	17.356	26.516	32.939	39.151	0.828	1.90	446
500	17.018	36.353	4.46	16.934	26.570	33.004	39.227	0.911	2.14	496
600	15.330	36.059	4.15	15.236	26.737	33.218	39.486	1.069	2.54	595
700	13.461	35.771	4.01	13.360	26.917	33.453	39.773	1.211	2.80	694
800	11.034	35.437	3.68	10.932	27.129	33.740	40.132	1.333	2.70	793
900	8.860	35.209	3.64	8.759	27.321	34.004	40.465	1.436	2.59	892
1000	7.430	35.123	4.05	7.328	27.469	34.202	40.711	1.521	2.46	991
1200	5.584	35.086	5.04	5.476	27.687	34.487	41.059	1.651	1.46	1188
1400	5.007	35.072	5.49	4.885	27.746	34.568	41.162	1.758	0.97	1386
1600	4.556	35.051	5.73	4.419	27.782	34.622	41.233	1.859	0.87	1583
1800	4.197	35.032	5.83	4.046	27.807	34.661	41.286	1.955	0.75	1780
2000	3.894	35.013	5.91	3.728	27.825	34.692	41.328	2.049	0.70	1977
2200	3.595	34.986	6.00	3.414	27.835	34.714	41.363	2.141	0.65	2173
2400	3.409	34.978	5.99	3.212	27.847	34.735	41.392	2.233	0.63	2370
2600	3.190	34.959	6.03	2.976	27.854	34.752	41.418	2.323	0.59	2566
2800	2.981	34.945	6.08	2.751	27.864	34.770	41.445	2.411	0.63	2762
3000	2.799	34.934	6.14	2.552	27.873	34.788	41.470	2.499	0.66	2958
3200	2.618	34.923	6.16	2.355	27.881	34.804	41.494	2.585	0.56	3154
3400	2.473	34.914	6.17	2.192	27.887	34.817	41.514	2.669	0.55	3350
3600	2.371	34.907	6.18	2.071	27.892	34.827	41.529	2.753	0.46	3545
3800	2.307	34.902	6.14	1.986	27.894	34.833	41.538	2.836	0.38	3740
4000	2.266	34.897	6.13	1.924	27.895	34.837	41.544	2.921	0.32	3935
4200	2.248	34.893	6.09	1.884	27.895	34.838	41.548	3.007	0.24	4130
4400	2.246	34.891	6.07	1.858	27.895	34.839	41.550	3.095	0.18	4325
4571	2.259	34.889	6.04	1.850	27.895	34.839	41.550	3.172	-0.13	4491

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
3	20.148	36.451	5.15	0.9	0.03	0.2	20.148	25.831	38.335	3
83	19.345	36.519	5.10	0.7	0.03	0.3	19.330	26.099	38.639	83
283	18.577	36.516	5.17	0.8	0.07	1.5	18.527	26.303	38.880	281
483	17.222	36.387	4.47	1.9	0.36	6.6	17.141	26.546	39.193	479
681	14.085	35.861	4.07	5.2	0.83	14.0	13.984	26.857	39.677	676
882	9.409	35.259	3.54	13.1	1.48	23.6	9.307	27.271	40.379	875
1082	6.280	35.086	4.78	14.2	1.43	22.1	6.177	27.598	40.920	1074
1283	5.263	35.078	5.33	13.3	1.32	20.3	5.150	27.720	41.116	1272
1481	4.760	35.065	5.60	13.4	1.28	19.6	4.633	27.769	41.203	1467
1683	4.442	35.055	5.82	14.3	1.28	19.4	4.299	27.798	41.258	1667
1884	4.058	35.022		15.1	1.26	19.2	3.901	27.814	41.305	1865
2083	3.787	35.009	5.92	16.7	1.26	19.2	3.614	27.833	41.346	2061
2272	3.539	34.991	5.96	18.2	1.27	19.2	3.352	27.845	41.378	2248
2483	3.322	34.974	6.01	20.4	1.29	19.5	3.118	27.853	41.405	2455
2683	3.110	34.957	6.01	21.1	1.28	19.3	2.890	27.861	41.431	2651
2883	2.918	34.943	6.07	21.6	1.27	19.0	2.681	27.869	41.456	2848
3085	2.713	34.932		22.6	1.26	18.9	2.459	27.879	41.484	3046
3286	2.571	34.922		24.2	1.27	18.9	2.300	27.885	41.503	3243
3486	2.434	34.914		26.2	1.28	19.1	2.145	27.891	41.522	3439
3687	2.349	34.907	6.13	28.4	1.29	19.3	2.039	27.894	41.534	3635
3888	2.295	34.900	6.10	30.3	1.31	19.5	1.965	27.894	41.540	3832
4090	2.264	34.896	6.10	32.4	1.33	19.7	1.912	27.895	41.546	4028
4289	2.254	34.893	6.05	34.2	1.33	19.9	1.880	27.896	41.548	4223
4578	2.267	34.892	6.05	36.0	1.37	20.0	1.858	27.896	41.551	4504

ENDEAVOR 129 STA= 48
DATE 20/ 4/85

LAT= 31 40.0N LON= 64 30.0W

SONIC DEPTH= 4407m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	20.823	36.533	5.48	20.823	25.711	32.051	38.185	0.002	5.54	1
25	20.278	36.527	5.12	20.273	25.855	32.207	38.353	0.055	3.75	25
50	20.039	36.579	5.16	20.030	25.960	32.317	38.467	0.107	2.73	50
75	19.565	36.540	5.16	19.552	26.056	32.425	38.586	0.157	3.54	74
100	19.280	36.517	4.94	19.262	26.114	32.490	38.658	0.206	2.87	99
150	18.767	36.512	4.86	18.740	26.245	32.633	38.813	0.300	2.51	149
200	18.533	36.503	4.90	18.498	26.300	32.694	38.879	0.390	1.81	199
250	18.249	36.476	4.75	18.205	26.353	32.754	38.946	0.479	1.81	248
300	18.073	36.478	4.58	18.020	26.401	32.806	39.003	0.566	1.93	298
350	17.834	36.467	4.46	17.773	26.453	32.865	39.067	0.652	1.72	347
400	17.504	36.430	4.36	17.436	26.508	32.928	39.139	0.736	1.80	397
450	17.129	36.373	4.42	17.053	26.557	32.987	39.207	0.818	1.95	446
500	16.500	36.260	4.28	16.418	26.621	33.069	39.305	0.899	2.39	496
600	14.421	35.911	3.99	14.331	26.822	33.329	39.622	1.050	2.70	595
700	12.218	35.586	3.67	12.123	27.021	33.595	39.951	1.182	2.82	694
800	10.172	35.342	3.52	10.075	27.207	33.846	40.265	1.294	2.48	793
900	8.164	35.153	3.67	8.068	27.384	34.091	40.575	1.389	2.60	892
1000	6.845	35.093	4.16	6.747	27.527	34.281	40.809	1.468	1.88	991
1200	5.525	35.076	5.15	5.418	27.686	34.488	41.063	1.596	1.54	1188
1400	4.874	35.055	5.58	4.753	27.748	34.575	41.174	1.702	0.98	1386
1600	4.327	35.011	5.87	4.194	27.775	34.623	41.243	1.802	0.77	1583
1800	4.095	35.005	5.91	3.946	27.796	34.655	41.284	1.899	0.73	1780
2000	3.919	35.010	5.88	3.753	27.820	34.686	41.322	1.994	0.69	1977
2200	3.617	34.987	5.94	3.436	27.833	34.712	41.360	2.087	0.69	2173
2400	3.381	34.974	5.96	3.184	27.847	34.736	41.394	2.179	0.66	2370
2600	3.161	34.958	6.00	2.948	27.856	34.755	41.422	2.268	0.65	2566
2800	2.955	34.945	6.03	2.726	27.866	34.774	41.450	2.356	0.64	2762
3000	2.750	34.934	6.07	2.505	27.877	34.794	41.478	2.443	0.64	2958
3200	2.575	34.923	6.11	2.312	27.885	34.809	41.502	2.527	0.59	3154
3400	2.423	34.913	6.12	2.143	27.891	34.823	41.522	2.610	0.52	3349
3600	2.338	34.906	6.12	2.039	27.893	34.830	41.533	2.693	0.43	3545
3800	2.273	34.900	6.09	1.953	27.895	34.835	41.542	2.776	0.37	3740
4000	2.238	34.895	6.04	1.897	27.896	34.838	41.547	2.860	0.30	3935
4200	2.222	34.891	6.04	1.859	27.896	34.840	41.551	2.945	0.23	4130
4347	2.225	34.889	6.01	1.844	27.895	34.840	41.551	3.009	0.07	4273

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
2	20.504	36.521	5.18	0.2	0.02	0.1	20.504	25.789	38.276	2
83	19.509	36.542	5.18	0.3	0.02	0.1	19.494	26.073	38.605	83
183	18.570	36.501	4.95	0.7	0.10	2.0	18.538	26.288	38.865	182
383	17.654	36.449	4.47	1.7	0.30	5.6	17.588	26.485	39.108	380
583	14.930	35.997	4.06	4.5	0.73	12.3	14.841	26.777	39.548	579
782	10.874	35.427	3.56	10.7	1.32	21.6	10.775	27.149	40.163	776
983	7.174	35.104	4.00	15.6	1.56	24.4	7.076	27.490	40.749	975
1185	5.567	35.079	5.10	13.2	1.34	20.6	5.460	27.683	41.056	1175
1383	4.908	35.058	5.57	12.7	1.26	19.5	4.789	27.746	41.169	1371
1581	4.379	35.015	5.85	12.6	1.22	18.9	4.247	27.772	41.236	1566
1783	4.115	35.009	5.93	13.7	1.23	19.0	3.967	27.797	41.283	1766
1982	3.928	35.014	5.91	15.7	1.25	19.1	3.764	27.822	41.323	1962
2183	3.650	34.993	5.96	17.1	1.25	19.1	3.470	27.835	41.359	2160
2382	3.360	34.974	6.00	19.2	1.26	19.2	3.165	27.849	41.397	2356
2584	3.146	34.958	6.05	20.5	1.26	19.1	2.935	27.858	41.425	2554
2784	2.952	34.947	6.09	21.3	1.26	19.0	2.725	27.868	41.452	2751
2987	2.766	34.934	6.12	22.6	1.26	18.9	2.521	27.875	41.476	2949
3186	2.596	34.923	6.15	24.0	1.26	18.9	2.335	27.883	41.498	3144
3387	2.432	34.918	6.16	26.3	1.26	19.0	2.154	27.894	41.524	3341
3589	2.342	34.907	6.14	28.2	1.29	19.1	2.044	27.894	41.533	3539
3788	2.280	34.901	6.12	30.6	1.31	19.4	1.962	27.895	41.541	3734
3989	2.245	34.895	6.08	32.7	1.33	19.7	1.905	27.895	41.546	3930
4248	2.231	34.892	6.05	34.8	1.34	19.8	1.862	27.896	41.550	4182
4353	2.234	34.890	6.07	35.7	1.36	19.9	1.853	27.895	41.550	4285

ENDEAVOR 129 STA= 49
DATE 20/ 4/85

LAT= 32 0.1N LON= 64 20.9W

SONIC DEPTH= 4305m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	19.898	36.462	5.48	19.898	25.906	32.267	38.421	0.006	5.70	3
25	19.233	36.460	5.34	19.228	26.080	32.457	38.626	0.050	4.44	25
50	18.793	36.521	5.33	18.785	26.241	32.627	38.806	0.097	4.39	50
75	18.597	36.520	5.18	18.584	26.291	32.683	38.866	0.141	1.68	74
100	18.529	36.512	5.16	18.511	26.303	32.697	38.882	0.184	0.90	99
150	18.332	36.486	4.84	18.306	26.335	32.734	38.924	0.272	1.90	149
200	18.088	36.467	4.68	18.053	26.384	32.789	38.984	0.358	1.80	199
250	17.890	36.462	4.54	17.847	26.432	32.842	39.042	0.443	1.64	248
300	17.657	36.442	4.49	17.605	26.476	32.892	39.098	0.526	1.75	298
350	17.380	36.408	4.47	17.321	26.519	32.943	39.156	0.609	1.82	347
400	17.011	36.351	4.46	16.944	26.567	33.000	39.223	0.690	1.79	397
450	16.447	36.252	4.31	16.373	26.625	33.074	39.312	0.769	2.16	446
500	15.692	36.118	4.16	15.613	26.697	33.167	39.425	0.846	2.53	496
600	13.808	35.814	3.86	13.720	26.876	33.401	39.711	0.989	2.60	595
700	11.706	35.532	3.72	11.614	27.076	33.665	40.037	1.114	2.63	694
800	9.824	35.308	3.59	9.729	27.239	33.889	40.319	1.222	2.49	793
900	8.086	35.149	3.73	7.990	27.393	34.103	40.589	1.315	2.31	892
1000	6.751	35.091	4.24	6.654	27.539	34.296	40.827	1.392	2.04	991
1200	5.464	35.081	5.19	5.357	27.697	34.501	41.078	1.515	1.38	1188
1400	4.735	35.033	5.70	4.616	27.746	34.578	41.182	1.620	0.94	1386
1600	4.296	35.006	5.94	4.163	27.774	34.624	41.245	1.720	0.76	1583
1800	4.110	35.011	5.95	3.960	27.799	34.657	41.285	1.817	0.76	1780
2000	3.822	34.995	5.98	3.657	27.818	34.688	41.328	1.911	0.68	1977
2200	3.557	34.978	6.01	3.376	27.832	34.714	41.364	2.004	0.69	2173
2400	3.337	34.967	6.02	3.141	27.846	34.736	41.396	2.094	0.70	2370
2600	3.117	34.954	6.03	2.904	27.857	34.757	41.426	2.183	0.60	2566
2800	2.920	34.942	6.05	2.691	27.867	34.776	41.453	2.271	0.61	2762
3000	2.734	34.932	6.09	2.489	27.876	34.794	41.479	2.357	0.61	2958
3200	2.552	34.921	6.12	2.290	27.884	34.810	41.503	2.441	0.64	3154
3400	2.415	34.911	6.13	2.136	27.890	34.822	41.522	2.524	0.53	3349
3600	2.310	34.903	6.11	2.012	27.893	34.831	41.535	2.606	0.43	3545
3800	2.248	34.898	6.06	1.929	27.896	34.837	41.545	2.689	0.38	3740
4000	2.220	34.894	6.05	1.880	27.896	34.839	41.549	2.772	0.24	3935
4200	2.218	34.890	6.02	1.855	27.895	34.839	41.550	2.857	0.17	4130
4319	2.227	34.889	6.02	1.849	27.895	34.839	41.550	2.909	0.04	4246

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
3	19.761	36.457	5.27	0.8	0.03	0.0	19.761	25.938	38.460	3
82	18.592	36.534	5.17	0.7	0.05	0.8	18.578	26.303	38.878	82
182	18.198	36.491	4.83	1.0	0.17	3.1	18.166	26.374	38.969	181
383	17.238	36.396	4.50	1.8	0.36	6.6	17.173	26.546	39.190	380
582	14.435	35.915	3.98	5.0	0.81	13.5	14.348	26.821	39.620	578
781	10.228	35.361	3.63	11.7	1.40	22.2	10.133	27.211	40.265	775
982	6.808	35.096	4.20	13.7	1.54	23.9	6.712	27.535	40.819	975
1182	5.492	35.077	5.15	13.5	1.35	20.5	5.387	27.690	41.069	1172
1381	4.756	35.038	5.67	12.8	1.26	19.3	4.639	27.747	41.182	1369
1582	4.331	35.009	5.89	12.8	1.23	18.9	4.200	27.772	41.240	1567
1782	4.149	35.018	5.93	13.7	1.24	18.9	4.000	27.801	41.284	1765
1983	3.882	35.003	5.98	14.9	1.25	18.9	3.717	27.818	41.323	1963
2184	3.603	34.982	6.02	16.5	1.25	18.9	3.423	27.831	41.359	2161
2385	3.409	34.975	6.02	18.4	1.26	19.0	3.213	27.845	41.390	2358
2585	3.178		6.02	20.2	1.26	19.1				2555
2785	2.967	34.949	6.00	21.5	1.27	19.1	2.739	27.868	41.451	2751
2986	2.798	34.939	6.10	22.5	1.26	19.0	2.553	27.877	41.474	2948
3185	2.605	34.929	6.18	23.9	1.27	18.9	2.343	27.887	41.501	3144
3388	2.445	34.920	6.16	26.1	1.28	19.0	2.166	27.894	41.523	3342
3588	2.332	34.914	6.15	28.9	1.30	19.3	2.035	27.900	41.540	3538
3788	2.264	34.901	6.10	31.5	1.32	19.6	1.946	27.897	41.544	3734
3990	2.230	34.894	6.07	33.9	1.35	19.9	1.891	27.895	41.547	3931
4235	2.230	34.893		35.7	1.36	20.1	1.862	27.897	41.551	4170
4327	2.236	34.894	6.05	36.1	1.37	20.1	1.857	27.898	41.553	4259

ENDEAVOR 129 STA= 50
DATE 21/ 4/85

LAT= 32 19.9N LON= 64 12.0W

SONIC DEPTH= 4310m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	19.359	36.456	5.45	19.359	26.042	32.416	38.582	0.002	2.74	1
25	18.949	36.441	5.35	18.944	26.139	32.522	38.698	0.048	3.30	25
50	18.833	36.458	5.34	18.824	26.182	32.569	38.747	0.095	2.84	50
75	18.686	36.495	5.16	18.672	26.250	32.639	38.820	0.140	2.38	74
100	18.626	36.496	5.11	18.608	26.267	32.658	38.841	0.185	1.98	99
150	18.308	36.476	5.05	18.282	26.334	32.733	38.923	0.272	1.20	149
200	18.273	36.480	4.95	18.238	26.348	32.748	38.939	0.360	1.47	199
250	17.994	36.461	4.67	17.951	26.405	32.812	39.010	0.446	1.55	248
300	17.820	36.443	4.51	17.768	26.436	32.848	39.051	0.531	1.82	298
350	17.405	36.396	4.47	17.345	26.504	32.927	39.140	0.615	1.72	347
400	17.087	36.348	4.44	17.020	26.546	32.977	39.199	0.697	1.64	397
450	16.613	36.273	4.40	16.538	26.603	33.047	39.281	0.777	2.17	446
500	15.651	36.110	4.21	15.572	26.701	33.172	39.431	0.855	2.72	496
600	13.633	35.789	3.94	13.546	26.893	33.423	39.738	0.996	2.60	595
700	11.210	35.445	3.61	11.120	27.101	33.706	40.093	1.120	2.66	694
800	9.202	35.234	3.63	9.110	27.284	33.956	40.405	1.225	2.77	793
900	7.526	35.131	3.99	7.433	27.461	34.190	40.695	1.310	2.41	892
1000	6.268	35.072	4.59	6.174	27.587	34.362	40.910	1.381	1.94	991
1200	4.954	35.022	5.48	4.852	27.710	34.534	41.129	1.495	1.17	1188
1400	4.441	34.994	5.83	4.326	27.747	34.591	41.206	1.597	0.78	1386
1600	4.267	35.002	5.94	4.134	27.774	34.625	41.247	1.695	0.69	1583
1800	3.968	34.980	6.03	3.820	27.789	34.653	41.287	1.792	0.69	1780
2000	3.751	34.975	6.05	3.587	27.808	34.682	41.324	1.887	0.74	1977
2200	3.478	34.965	6.05	3.299	27.829	34.714	41.367	1.980	0.76	2173
2400	3.253	34.956	6.05	3.058	27.845	34.739	41.402	2.070	0.65	2370
2600	3.084	34.947	6.06	2.873	27.855	34.757	41.427	2.159	0.59	2566
2800	2.898	34.937	6.08	2.670	27.865	34.775	41.453	2.246	0.66	2762
3000	2.725	34.927	6.12	2.480	27.873	34.791	41.477	2.332	0.60	2958
3200	2.579	34.918	6.13	2.317	27.880	34.805	41.497	2.417	0.56	3154
3400	2.433	34.909	6.14	2.153	27.886	34.818	41.517	2.501	0.54	3349
3600	2.348	34.903	6.13	2.049	27.890	34.826	41.529	2.584	0.41	3545
3800	2.276	34.897	6.12	1.957	27.892	34.832	41.539	2.668	0.37	3740
4000	2.235	34.891	6.09	1.894	27.893	34.836	41.545	2.752	0.30	3935
4200	2.221	34.888	6.05	1.858	27.893	34.837	41.548	2.838	0.17	4130
4393	2.230	34.887	6.01	1.843	27.893	34.838	41.549	2.923	0.20	4318

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
4	19.358	36.449	5.34	0.7	0.03	0.0	19.358	26.038	38.578	4
86	18.681	36.500	5.15	0.7	0.06	1.0	18.665	26.255	38.826	86
183	18.345	36.496	4.96	0.9	0.12	2.2	18.313	26.341	38.929	182
382	17.180	36.375	4.46	2.0	0.36	6.6	17.115	26.543	39.191	379
582	14.177	35.879	3.98	5.3	0.82	13.6	14.091	26.848	39.662	577
783	9.813	35.286	3.50	12.8	1.45	23.1	9.720	27.223	40.305	777
983	6.674	35.101	4.51	13.9	1.42	22.0	6.578	27.557	40.850	975
1183	5.027	35.031	5.45	12.6	1.28	19.5	4.925	27.709	41.122	1173
1382	4.521	35.005	5.80	12.2	1.24	18.7	4.406	27.747	41.199	1370
1583	4.189	34.987	5.92	12.4	1.22	18.4	4.059	27.770	41.249	1568
1783	4.027	34.990	5.99	13.3	1.22	18.3	3.880	27.791	41.284	1766
1984	3.791	34.990	6.05	14.5	1.23	18.4	3.628	27.817	41.329	1963
2185	3.517	34.976	6.07	16.5	1.23	18.5	3.339	27.834	41.369	2161
2385	3.285	34.966	6.06	19.0	1.25	18.6	3.091	27.850	41.404	2358
2585	3.097	34.956	6.06	20.2	1.25	18.6	2.886	27.861	41.431	2555
2783	2.935	34.945	6.08	21.3	1.25	18.5	2.708	27.868	41.453	2750
2985	2.761	34.934	6.14	22.4	1.25	18.5	2.517	27.876	41.476	2948
3178	2.604	34.924	6.15	23.8	1.26	18.5	2.343	27.883	41.497	3137
3385	2.456	34.915	6.15	25.7	1.27	18.5	2.177	27.889	41.518	3340
3573	2.365	34.908	6.16	27.7	1.28	18.9	2.068	27.893	41.530	3524
3790	2.284	34.900	6.10	30.7	1.31	19.3	1.966	27.894	41.540	3736
3986	2.247	34.895	6.09	33.0	1.34	19.6	1.907	27.895	41.546	3927
4189	2.230	34.892	6.06	34.9		19.8	1.868	27.896	41.550	4125
4399	2.240	34.891	6.06	36.2	1.36	19.9	1.852	27.896	41.551	4330

ENDEAVOR 129 STA= 51 LAT= 32 40.1N LON= 64 3.8W SONIC DEPTH= 4377m
 DATE 21/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	18.914	36.364	5.67	18.914	26.088	32.473	38.650	0.006	3.95	3
25	18.624	36.374	5.47	18.620	26.170	32.562	38.745	0.047	3.44	25
50	18.482	36.415	5.45	18.473	26.239	32.634	38.820	0.092	2.79	50
75	18.241	36.455	5.27	18.228	26.332	32.732	38.924	0.136	2.55	74
100	18.145	36.453	5.20	18.127	26.355	32.758	38.952	0.178	0.94	99
150	18.119	36.447	5.20	18.093	26.359	32.763	38.958	0.264	0.39	149
200	18.026	36.441	5.06	17.991	26.380	32.786	38.984	0.350	2.81	198
250	17.324	36.376	4.55	17.282	26.504	32.929	39.143	0.432	2.04	248
300	16.885	36.309	4.44	16.835	26.560	32.997	39.223	0.512	2.14	298
350	16.317	36.217	4.35	16.260	26.624	33.077	39.318	0.589	1.99	347
400	15.670	36.105	4.24	15.607	26.689	33.160	39.418	0.664	2.13	397
450	14.675	35.940	4.05	14.607	26.784	33.283	39.569	0.736	2.69	446
500	13.713	35.791	3.88	13.640	26.875	33.403	39.715	0.804	2.45	496
600	11.637	35.493	3.58	11.558	27.057	33.648	40.021	0.929	2.72	595
700	9.543	35.251	3.56	9.462	27.240	33.899	40.338	1.035	2.58	694
800	7.661	35.130	3.99	7.579	27.439	34.163	40.663	1.124	2.58	793
900	6.479	35.094	4.50	6.394	27.576	34.342	40.882	1.195	1.93	892
1000	5.677	35.059	5.00	5.588	27.652	34.448	41.016	1.255	1.48	991
1200	5.002	35.056	5.50	4.899	27.731	34.553	41.146	1.362	1.05	1188
1400	4.594	35.043	5.71	4.476	27.769	34.607	41.216	1.461	0.78	1386
1600	4.093	34.986	5.98	3.963	27.779	34.638	41.266	1.556	0.67	1583
1800	3.945	34.991	5.96	3.797	27.800	34.665	41.299	1.651	0.63	1780
2000	3.734	34.978	6.02	3.570	27.813	34.686	41.329	1.745	0.67	1977
2200	3.545	34.974	6.00	3.365	27.829	34.711	41.362	1.838	0.66	2173
2400	3.356	34.963	6.03	3.159	27.840	34.731	41.390	1.929	0.63	2370
2600	3.162	34.952	6.03	2.949	27.852	34.750	41.418	2.019	0.62	2566
2800	2.958	34.940	6.05	2.728	27.862	34.770	41.446	2.109	0.65	2762
3000	2.763	34.929	6.09	2.518	27.872	34.788	41.472	2.196	0.61	2958
3200	2.589	34.919	6.12	2.326	27.880	34.804	41.496	2.281	0.58	3154
3400	2.444	34.909	6.14	2.164	27.886	34.817	41.515	2.365	0.56	3349
3600	2.357	34.903	6.12	2.057	27.889	34.825	41.527	2.449	0.44	3545
3800	2.275	34.895	6.08	1.955	27.891	34.831	41.538	2.533	0.36	3740
4000	2.242	34.891	6.06	1.901	27.892	34.835	41.543	2.617	0.32	3935
4200	2.228	34.887	6.06	1.865	27.892	34.836	41.547	2.704	0.20	4130
4400	2.235	34.885	5.99	1.847	27.892	34.837	41.548	2.792	0.16	4324
4415	2.237	34.886	6.00	1.848	27.892	34.837	41.548	2.798	-0.19	4339

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
4	18.905	36.372	5.39	0.1	0.03	0.0	18.904	26.096	38.658	4
83	18.207	36.459	5.18	0.7	0.08	1.4	18.192	26.343	38.937	83
184	18.113	36.451	5.17	1.3	0.09	1.4	18.081	26.365	38.964	182
384	15.762	36.134	4.26	4.0	0.58	9.9	15.701	26.690	39.413	381
582	12.179	35.567	3.61	9.6	1.19	19.2	12.101	27.011	39.942	578
785	7.980	35.142	3.88	15.0	1.53	23.7	7.897	27.401	40.604	779
983	5.808	35.067	5.01	13.8	1.36	20.7	5.719	27.642	40.996	975
1183	5.036	35.060	5.50	13.3	1.28	19.4	4.934	27.731	41.143	1173
1381	4.702	35.056	5.67	13.7	1.26	19.1	4.585	27.767	41.205	1369
1581	4.163	35.003	5.92	13.3	1.23	18.4	4.034	27.785	41.266	1566
1793	3.891	34.986	6.02	14.1	1.23	18.3	3.745	27.802	41.305	1776
2000	3.720	34.983	6.06	15.3	1.23	18.4	3.556	27.818	41.336	1980
2201	3.549	34.981	6.05	17.4	1.25	18.6	3.368	27.835	41.367	2177
2404	3.344	34.966	6.07	18.3	1.25	18.4	3.147	27.844	41.394	2377
2601	3.159	34.957	6.09	20.2	1.26	18.6	2.946	27.856	41.422	2571
2803	2.945	34.945	6.10	21.7	1.26	18.6	2.716	27.867	41.452	2769
3002	2.788	34.935	6.13	22.5	1.26	18.5	2.541	27.874	41.473	2964
3201	2.606	34.924		24.2	1.27	18.6	2.343	27.883	41.497	3159
3402	2.456	34.914	6.19	26.2	1.27	18.6	2.175	27.889	41.517	3356
3604	2.353	34.912	6.18	28.6	1.29	18.9	2.053	27.897	41.535	3554
3806	2.284	34.900	6.14	31.3	1.31	19.2	1.964	27.895	41.540	3751
4005	2.249	34.895	6.09	33.4	1.34	19.5	1.907	27.895	41.546	3946
4324	2.240	34.890	6.03	35.8	1.36	19.8	1.862	27.895	41.549	4257
4425	2.247	34.890	6.08	36.2	1.37	19.8	1.856	27.895	41.550	4355

ENDEAVOR 129 STA= 52 LAT= 32 59.4N LON= 63 48.5W SONIC DEPTH= 4535m
 DATE 21/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	18.877	36.363	5.52	18.877	26.096	32.482	38.660	0.006	1.30	3
25	18.675	36.369	5.44	18.670	26.154	32.545	38.727	0.047	4.40	25
50	18.442	36.410	5.46	18.434	26.245	32.641	38.829	0.093	2.86	50
75	18.178	36.452	5.16	18.165	26.345	32.747	38.940	0.136	2.32	74
100	18.130	36.448	5.15	18.113	26.355	32.758	38.953	0.178	0.65	99
150	18.110	36.444	5.19	18.083	26.359	32.763	38.958	0.264	0.44	149
200	18.124	36.451	5.14	18.089	26.363	32.767	38.962	0.350	1.24	198
250	17.306	36.363	4.50	17.263	26.499	32.924	39.139	0.434	2.88	248
300	16.789	36.292	4.50	16.740	26.570	33.009	39.237	0.514	2.21	298
350	16.107	36.172	4.37	16.051	26.639	33.097	39.344	0.591	2.25	347
400	15.223	36.027	4.16	15.161	26.729	33.212	39.483	0.665	2.61	397
450	14.264	35.878	3.97	14.197	26.825	33.336	39.633	0.735	2.61	446
500	13.328	35.735	3.80	13.257	26.911	33.450	39.773	0.800	2.39	496
600	11.154	35.435	3.55	11.078	27.101	33.708	40.096	0.921	2.55	595
700	9.172	35.217	3.59	9.092	27.274	33.946	40.396	1.024	2.45	694
800	7.744	35.128	3.95	7.661	27.425	34.147	40.644	1.111	2.43	793
900	6.350	35.083	4.55	6.266	27.584	34.355	40.900	1.183	2.18	892
1000	5.625	35.074	5.05	5.538	27.670	34.467	41.038	1.241	1.37	991
1200	4.714	35.022	5.64	4.614	27.737	34.570	41.174	1.345	0.99	1188
1400	4.238	34.985	5.93	4.124	27.761	34.613	41.236	1.442	0.75	1385
1600	3.988	34.977	6.02	3.858	27.783	34.645	41.278	1.536	0.65	1583
1800	3.840	34.975	6.03	3.694	27.798	34.667	41.306	1.630	0.62	1780
2000	3.694	34.973	6.06	3.531	27.813	34.688	41.333	1.723	0.48	1976
2200	3.604	34.970	6.05	3.423	27.821	34.701	41.350	1.816	0.52	2173
2400	3.466	34.965	6.03	3.268	27.832	34.718	41.373	1.911	0.61	2370
2600	3.308	34.958	6.04	3.092	27.843	34.736	41.397	2.004	0.70	2566
2800	3.077	34.946	6.04	2.845	27.856	34.759	41.431	2.096	0.63	2762
3000	2.904	34.936	6.07	2.656	27.865	34.776	41.455	2.186	0.63	2958
3200	2.680	34.923	6.11	2.415	27.876	34.797	41.485	2.274	0.68	3154
3400	2.502	34.913	6.15	2.221	27.884	34.813	41.509	2.360	0.58	3349
3600	2.381	34.905	6.13	2.081	27.889	34.824	41.525	2.445	0.44	3544
3800	2.321	34.899	6.13	2.000	27.891	34.829	41.534	2.529	0.42	3740
4000	2.275	34.894	6.11	1.933	27.892	34.833	41.541	2.615	0.33	3935
4200	2.253	34.890	6.08	1.889	27.892	34.835	41.545	2.701	0.25	4130
4400	2.248	34.887	6.06	1.860	27.893	34.837	41.547	2.790	0.18	4324
4593	2.259	34.886	6.01	1.848	27.892	34.837	41.548	2.877	0.11	4512

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
3	18.972	36.365	5.29	0.3	0.07	0.0	18.971	26.074	38.633	3
84	18.173	36.452	5.61	0.8	0.09	1.4	18.159	26.346	38.942	83
182	18.117	36.448	5.16	1.3	0.09	1.4	18.085	26.361	38.961	181
382	15.656	36.109	4.35	3.9	0.59	9.8	15.596	26.695	39.424	379
583	11.828	35.523	3.54	10.3	1.25	19.9	11.751	27.044	39.996	579
785	7.934	35.139	3.89	15.1	1.55	24.0	7.852	27.406	40.611	779
983	5.684	35.083	4.97	14.0	1.35	20.5	5.596	27.669	41.033	975
1182	4.786	35.037	5.63	13.0	1.28	19.2	4.687	27.741	41.172	1172
1373	4.310	34.996	5.85	12.8	1.24	18.6	4.198	27.762	41.231	1361
1582	4.016	34.984	5.94	13.3	1.24	18.4	3.889	27.785	41.278	1567
1783	3.864	34.984	5.99	14.3	1.24	18.4	3.719	27.803	41.308	1766
1978	3.709	34.981	6.02	15.3	1.25	18.5	3.548	27.817	41.336	1958
2183	3.628	34.978		16.2	1.26	18.5	3.448	27.825	41.351	2160
2384	3.497	34.973		17.2	1.26	18.6	3.299	27.835	41.373	2357
2585	3.339	34.968	6.03	19.8	1.26	18.6	3.124	27.848	41.400	2555
2786	3.102	34.956	6.03	20.8	1.27	18.7	2.871	27.862	41.434	2752
2984	2.925		6.08	21.9	1.27	18.6				2947
3186	2.708	34.934	6.12	23.6	1.27	18.6	2.444	27.882	41.488	3144
3390	2.522	34.920	6.13	25.4	1.28	18.6	2.241	27.888	41.511	3344
3686	2.373	34.909	6.14	28.4	1.30	18.9	2.063	27.894	41.531	3635
3891	2.305	34.901	6.10	30.9	1.32	19.3	1.974	27.894	41.540	3834
4089	2.271	34.898	6.08	32.8	1.34	19.5	1.919	27.896	41.546	4028
4491	2.260	34.891	5.99	35.9	1.35	19.7	1.861	27.895	41.550	4419
4602	2.269	34.900	6.00	36.3	1.37	19.9	1.856	27.903	41.558	4528

ENDEAVOR 129 STA= 53
DATE 21/ 4/85

LAT= 33 19.9N LON= 63 45.0W

SONIC DEPTH= 4535m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	19.132	36.471	5.34	19.131	26.113	32.492	38.663	0.006	2.14	3
25	18.973	36.470	5.33	18.968	26.155	32.538	38.712	0.047	2.77	25
50	18.824	36.472	5.35	18.815	26.195	32.582	38.760	0.093	2.64	50
75	18.666	36.489	5.31	18.653	26.250	32.640	38.821	0.138	2.04	74
100	18.582	36.501	5.22	18.565	26.281	32.674	38.857	0.183	2.00	99
150	18.388	36.486	5.11	18.361	26.321	32.718	38.907	0.270	1.07	149
200	18.289	36.474	5.08	18.254	26.339	32.739	38.930	0.358	1.16	198
250	18.231	36.496	5.05	18.187	26.372	32.774	38.966	0.445	1.49	248
300	17.929	36.454	4.68	17.877	26.418	32.827	39.027	0.532	2.06	298
350	17.489	36.411	4.52	17.429	26.495	32.916	39.126	0.616	2.13	347
400	17.106	36.355	4.47	17.039	26.547	32.978	39.198	0.698	2.00	397
450	16.425	36.239	4.39	16.351	26.620	33.070	39.309	0.778	2.17	446
500	15.539	36.083	4.22	15.460	26.705	33.180	39.442	0.855	2.70	496
600	13.638	35.783	3.93	13.551	26.887	33.417	39.732	0.996	2.36	595
700	11.613	35.500	3.68	11.522	27.069	33.661	40.036	1.123	2.74	694
800	9.517	35.255	3.59	9.423	27.249	33.910	40.350	1.231	2.69	793
900	7.468	35.116	4.03	7.376	27.457	34.188	40.695	1.319	2.61	892
1000	6.075	35.066	4.68	5.983	27.608	34.389	40.944	1.389	1.86	991
1200	4.955	35.031	5.50	4.853	27.717	34.541	41.136	1.501	1.16	1188
1400	4.475	35.001	5.86	4.358	27.749	34.592	41.205	1.603	0.76	1385
1600	4.183	34.985	6.01	4.051	27.769	34.623	41.249	1.701	0.68	1583
1800	3.969	34.973	6.08	3.822	27.784	34.647	41.281	1.799	0.63	1780
2000	3.798	34.973	6.10	3.633	27.803	34.674	41.315	1.896	0.68	1976
2200	3.612	34.969	6.09	3.431	27.819	34.699	41.347	1.991	0.68	2173
2400	3.418	34.962	6.10	3.220	27.835	34.722	41.379	2.085	0.65	2369
2600	3.236	34.955	6.09	3.022	27.847	34.743	41.407	2.177	0.63	2566
2800	3.037	34.944	6.11	2.806	27.858	34.763	41.435	2.268	0.61	2762
3000	2.863	34.934	6.12	2.615	27.867	34.780	41.460	2.357	0.66	2958
3200	2.660	34.923	6.15	2.395	27.877	34.799	41.488	2.444	0.66	3153
3400	2.503	34.913	6.17	2.222	27.884	34.813	41.509	2.530	0.53	3349
3600	2.396	34.905	6.17	2.095	27.888	34.822	41.523	2.615	0.50	3544
3800	2.320	34.899	6.13	1.999	27.891	34.829	41.534	2.699	0.40	3740
4000	2.268	34.894	6.11	1.926	27.893	34.834	41.542	2.785	0.35	3935
4200	2.247	34.890	6.10	1.883	27.893	34.836	41.545	2.871	0.24	4129
4400	2.244	34.887	6.06	1.857	27.892	34.836	41.547	2.960	0.17	4324
4575	2.254	34.886	6.03	1.845	27.892	34.837	41.548	3.039	0.14	4494

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
5	19.284	36.476	5.37	0.0	0.02	0.0	19.283	26.078	38.621	5
98	18.563	36.502	5.24	0.3	0.04	0.7	18.546	26.287	38.864	97
201	18.335	36.491	5.06	0.9	0.10	1.8	18.300	26.341	38.929	200
396	17.180	36.373	4.41	2.3	0.36	6.6	17.113	26.542	39.190	393
601	13.869	35.819	3.91	6.4	0.90	14.7	13.781	26.867	39.699	597
800	9.312	35.238	3.54	13.9	1.50	23.5	9.220	27.269	40.383	794
996	6.270	35.068	4.60	14.2	1.43	21.7	6.177	27.584	40.906	988
1200	4.972	35.031	5.51	12.9	1.28	19.3	4.870	27.715	41.133	1190
1402	4.450	35.001	5.82	12.6	1.24	18.6	4.334	27.751	41.210	1389
1598	4.169	34.987	6.01	12.9	1.22	18.3	4.038	27.772	41.253	1584
1800	3.993	34.979	6.05	13.2	1.22	18.2	3.844	27.786	41.282	1783
2000	3.813	34.979	6.08	14.4	1.23	18.2	3.649	27.806	41.316	1979
2200	3.624	34.975	6.06	15.8	1.24	18.2	3.442	27.823	41.350	2176
2399	3.428	34.968	6.06	17.5	1.25	18.3	3.230	27.838	41.381	2373
2597	3.245	34.961	6.05	19.4	1.26	18.4	3.030	27.851	41.410	2566
2802	3.045	34.948	6.08	20.8	1.26	18.5	2.814	27.861	41.437	2768
3001	2.852	34.937	6.12	22.1	1.26	18.3	2.605	27.871	41.464	2963
3202	2.673	34.927	6.18	23.5	1.26	18.3	2.408	27.880	41.489	3161
3405	2.519	34.917	6.16	25.3	1.27	18.3	2.236	27.886	41.509	3359
3602	2.401	34.909	6.18	27.4	1.28	18.6	2.100	27.891	41.525	3552
3805	2.322	34.903	6.14	29.7	1.31	19.0	2.001	27.894	41.537	3751
4008	2.277	34.898	6.13	32.1	1.33	19.2	1.934	27.895	41.544	3948
4480	2.258	34.890	6.06	36.0	1.37	19.7	1.860	27.895	41.549	4409
4583	2.263	34.890	6.07	36.3	1.37	19.8	1.853	27.895	41.550	4510

ENDEAVOR 129 STA= 54
DATE 21/ 4/85

LAT= 33 40.1N LON= 63 35.4W

SONIC DEPTH= 4577m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	19.486	36.478	4.64	19.486	26.026	32.397	38.560	0.002	5.55	1
25	18.969	36.480	5.38	18.965	26.163	32.546	38.721	0.047	2.92	25
50	18.805	36.490	5.40	18.796	26.214	32.601	38.780	0.093	2.30	50
75	18.638	36.519	5.13	18.625	26.280	32.671	38.853	0.137	2.56	74
100	18.497	36.515	4.97	18.480	26.314	32.708	38.893	0.181	1.23	99
150	18.469	36.526	4.93	18.442	26.332	32.727	38.913	0.268	1.00	149
200	18.394	36.521	4.90	18.359	26.349	32.746	38.934	0.355	1.06	198
250	18.293	36.507	4.88	18.249	26.366	32.766	38.956	0.442	1.18	248
300	18.174	36.498	4.85	18.121	26.391	32.794	38.988	0.530	1.34	298
350	17.986	36.469	4.91	17.925	26.417	32.825	39.024	0.616	1.23	347
400	17.752	36.443	4.53	17.683	26.457	32.872	39.076	0.703	2.24	397
450	17.207	36.373	4.39	17.131	26.538	32.967	39.185	0.787	2.02	446
500	16.669	36.283	4.34	16.586	26.599	33.042	39.274	0.869	1.97	496
600	15.344	36.050	4.11	15.250	26.727	33.208	39.476	1.025	2.36	595
700	13.451	35.763	4.06	13.350	26.913	33.449	39.770	1.167	2.69	694
800	10.702	35.375	3.54	10.601	27.140	33.762	40.165	1.291	2.87	793
900	8.443	35.163	3.69	8.345	27.350	34.047	40.522	1.393	2.98	892
1000	6.907	35.099	4.29	6.808	27.524	34.275	40.801	1.473	2.20	991
1200	5.176	35.032	5.28	5.071	27.693	34.508	41.095	1.597	1.37	1188
1400	4.601	35.007	5.73	4.483	27.740	34.578	41.187	1.702	0.86	1385
1600	4.193	34.981	5.95	4.062	27.765	34.619	41.244	1.802	0.73	1583
1800	3.999	34.975	6.02	3.851	27.782	34.644	41.277	1.900	0.64	1780
2000	3.860	34.976	6.03	3.694	27.799	34.668	41.306	1.997	0.64	1976
2200	3.672	34.971	6.05	3.489	27.815	34.692	41.338	2.094	0.67	2173
2400	3.485	34.964	6.06	3.286	27.830	34.715	41.369	2.189	0.66	2369
2600	3.287	34.956	6.06	3.072	27.843	34.737	41.399	2.283	0.65	2566
2800	3.083	34.945	6.09	2.852	27.855	34.758	41.429	2.375	0.66	2762
3000	2.909	34.936	6.12	2.660	27.865	34.775	41.454	2.466	0.61	2958
3200	2.736	34.926	6.14	2.470	27.874	34.792	41.478	2.555	0.65	3153
3400	2.546	34.915	6.17	2.263	27.883	34.810	41.504	2.642	0.60	3349
3600	2.421	34.907	6.15	2.120	27.888	34.821	41.521	2.728	0.51	3544
3800	2.338	34.901	6.16	2.016	27.891	34.828	41.532	2.813	0.40	3739
4000	2.295	34.895	6.11	1.953	27.892	34.832	41.539	2.899	0.32	3934
4200	2.259	34.890	6.11	1.895	27.892	34.834	41.544	2.986	0.30	4129
4400	2.248	34.886	6.08	1.860	27.891	34.835	41.546	3.074	0.21	4324
4600	2.259	34.885	6.07	1.847	27.891	34.836	41.547	3.165	0.08	4519
4705	2.272	34.885	6.05	1.847	27.892	34.836	41.547	3.213	0.09	4621

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
6	19.567	36.482	5.37	0.8	0.03	0.1	19.566	26.009	38.539	6
83	18.455	36.513	5.11	0.9	0.09	1.7	18.440	26.322	38.904	82
183	18.410	36.535	5.05	1.0	0.11	2.0	18.377	26.355	38.939	181
384	17.836	36.455	4.65	1.3	0.24	4.5	17.769	26.445	39.060	381
581	15.758	36.136	4.25	3.3	0.58	10.1	15.665	26.700	39.425	577
782	11.318	35.465	3.58	10.1	1.28	20.7	11.217	27.098	40.084	776
982	7.403	35.118	4.10	14.3	1.49	23.2	7.303	27.469	40.712	974
1183	5.364	35.075	5.26	12.8	1.31	20.1	5.260	27.704	41.092	1173
1381	4.620	35.014	5.74	12.4	1.25	19.1	4.504	27.743	41.188	1369
1582	4.237	35.012	5.96	12.4	1.22	18.6	4.107	27.785	41.260	1567
1783	4.041	34.992	6.01	12.8	1.23	18.4	3.893	27.791	41.283	1765
1982	3.861	34.983	6.05	13.6	1.23	18.1	3.697	27.804	41.311	1962
2232	3.648		6.07	15.3	1.24	18.6				2208
2483	3.410	34.969	6.07	17.3	1.25	18.5	3.204	27.841	41.387	2455
2733	3.156	34.958	6.09	19.4	1.25	18.6	2.930	27.858	41.425	2701
2987	2.932	34.943	6.10	21.2	1.26	18.6	2.684	27.868	41.455	2949
3187	2.765	34.931	6.15	22.1	1.26	18.5	2.500	27.875	41.477	3146
3388	2.569	34.922	6.18	23.8	1.26	18.5	2.287	27.886	41.505	3343
3588	2.439	34.918	6.19	26.1	1.28	18.7	2.138	27.895	41.526	3538
3790	2.358	34.907	6.16	28.7	1.29	18.9	2.037	27.894	41.534	3736
3990	2.310	34.901	6.13	30.5	1.31	19.3	1.968	27.895	41.541	3931
4276	2.260	34.894	6.10	34.4	1.35	19.9	1.886	27.896	41.548	4210
4593	2.267	34.893	6.06	35.8	1.36	20.1	1.856	27.897	41.552	4519
4715	2.282	34.892	6.07	35.9	1.37	19.9	1.855	27.897	41.552	4638

ENDEAVOR 129 STA= 55 LAT= 33 60.0N LON= 63 27.0W SONIC DEPTH= 4998m
 DATE 22/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	19.278	36.522	5.59	19.278	26.114	32.490	38.657	0.002	3.77	1
25	18.946	36.502	5.42	18.941	26.186	32.569	38.744	0.046	2.57	25
50	18.749	36.490	5.34	18.740	26.228	32.616	38.796	0.092	2.13	50
75	18.659	36.494	5.23	18.646	26.256	32.646	38.828	0.136	1.46	74
100	18.602	36.500	5.15	18.584	26.275	32.667	38.850	0.181	1.76	99
150	18.498	36.503	5.13	18.471	26.307	32.701	38.887	0.269	1.17	149
200	18.429	36.499	5.07	18.394	26.323	32.720	38.907	0.358	1.24	198
250	18.389	36.530	5.08	18.345	26.359	32.756	38.945	0.445	1.25	248
300	18.233	36.505	5.05	18.181	26.382	32.783	38.975	0.533	1.17	298
350	18.158	36.499	5.02	18.096	26.398	32.801	38.996	0.621	1.24	347
400	17.868	36.453	4.68	17.799	26.437	32.848	39.050	0.708	2.01	397
450	17.461	36.409	4.49	17.384	26.504	32.926	39.138	0.794	2.26	446
500	16.967	36.333	4.43	16.883	26.567	33.002	39.227	0.877	2.08	496
600	15.585	36.096	4.31	15.490	26.709	33.182	39.444	1.036	2.22	595
700	13.885	35.831	4.09	13.782	26.876	33.399	39.707	1.183	2.75	694
800	11.429	35.480	3.72	11.325	27.090	33.689	40.069	1.310	2.88	793
900	9.241	35.236	3.62	9.137	27.281	33.951	40.400	1.418	2.73	892
1000	7.549	35.124	4.03	7.446	27.453	34.182	40.686	1.507	2.45	990
1200	5.595	35.080	5.05	5.487	27.680	34.480	41.052	1.641	1.59	1188
1400	4.839	35.042	5.61	4.719	27.741	34.570	41.170	1.748	0.95	1385
1600	4.346	35.000	5.89	4.212	27.764	34.612	41.231	1.849	0.74	1583
1800	4.186	35.007	5.97	4.035	27.788	34.643	41.269	1.949	0.68	1779
2000	3.873	34.978	6.06	3.708	27.799	34.667	41.305	2.047	0.65	1976
2200	3.715	34.975	6.08	3.533	27.814	34.689	41.334	2.144	0.62	2173
2400	3.552	34.972	6.07	3.352	27.829	34.712	41.363	2.240	0.61	2369
2600	3.381	34.963	6.07	3.164	27.840	34.730	41.389	2.335	0.66	2566
2800	3.168	34.951	6.08	2.934	27.852	34.752	41.419	2.428	0.62	2762
3000	2.999	34.941	6.10	2.749	27.861	34.768	41.443	2.521	0.64	2958
3200	2.820	34.930	6.13	2.553	27.870	34.785	41.468	2.612	0.65	3153
3400	2.665	34.922	6.16	2.379	27.878	34.800	41.490	2.701	0.61	3349
3600	2.505	34.912	6.18	2.201	27.885	34.814	41.511	2.789	0.55	3544
3800	2.407	34.904	6.17	2.084	27.888	34.823	41.524	2.876	0.45	3739
4000	2.343	34.898	6.16	1.999	27.890	34.828	41.533	2.963	0.36	3934
4200	2.304	34.893	6.13	1.938	27.891	34.832	41.539	3.051	0.34	4129
4400	2.276	34.889	6.12	1.887	27.891	34.834	41.544	3.141	0.29	4324
4600	2.271	34.885	6.10	1.859	27.891	34.835	41.546	3.232	0.16	4518
4800	2.289	34.885	6.10	1.852	27.891	34.835	41.546	3.325	0.10	4713
5000	2.310	34.884	6.08	1.847	27.891	34.835	41.547	3.421	0.12	4907
5101	2.316	34.884	6.08	1.840	27.891	34.836	41.547	3.470	0.17	5005

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
2	19.040	36.515	5.41	0.0	0.03	0.0	19.039	26.171	38.724	2
184	18.559	36.538	5.12	0.7	0.09	1.7	18.527	26.319	38.896	183
383	17.952	36.465	4.68	1.4	0.22	4.0	17.886	26.424	39.033	381
582	15.801	36.140	4.35	3.3	0.54	9.2	15.708	26.693	39.416	578
783	12.077	35.575	3.75	8.6		18.2	11.971	27.042	39.981	777
982	8.062	35.163	3.91	14.2	1.50	23.1	7.957	27.409	40.607	974
1183	5.434	35.040	5.19	13.0	1.33	20.0	5.329	27.668	41.052	1173
1382	4.669	35.007	5.67	12.2	1.26	18.9	4.553	27.732	41.174	1369
1581	4.337	35.014	5.92	12.1	1.23	18.3	4.206	27.776	41.243	1567
1782	4.212	35.011	6.05	13.1	1.23	18.3	4.063	27.788	41.267	1765
1984	3.895	34.986	5.95	14.7	1.23	18.1	3.730	27.803	41.307	1964
2184	3.763	34.990	6.07	14.9	1.23	18.2	3.581	27.821	41.337	2161
2385	3.580	34.978	6.07	16.1	1.24	18.2	3.381	27.831	41.363	2359
2585	3.413	34.961	6.05	17.8	1.26	18.4	3.197	27.836	41.382	2555
2785	3.215	34.948	6.02	19.7	1.26	18.5	2.982	27.845	41.409	2752
2988	3.035	34.942	6.12	20.8	1.26	18.4	2.785	27.859	41.438	2951
3187	2.854	34.936	6.09	22.0	1.26	18.3	2.586	27.871	41.466	3146
3388	2.676	34.927	6.15	23.1	1.26	18.2	2.391	27.881	41.492	3342
3689	2.464	34.913	6.15	26.2	1.28	18.5	2.152	27.890	41.520	3637
3987	2.358	34.903	6.14	29.1	1.30	18.9	2.015	27.893	41.534	3928
4290	2.304	34.897	6.12	31.8	1.33	19.3	1.928	27.895	41.544	4223
4489	2.283	34.896		34.0	1.34	19.6	1.884	27.898	41.550	4418
4790	2.296	34.890	6.05	35.3	1.35	19.7	1.860	27.895	41.549	4710
5109	2.326	34.888	6.03	36.4	1.37	19.9	1.849	27.894	41.550	5021

ENDEAVOR 129 STA= 56
DATE 22/ 4/85

LAT= 34 20.0N LON= 63 18.0W

SONIC DEPTH= 5000m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	19.098	36.520	5.57	19.097	26.160	32.539	38.710	0.006	-1.88	3
25	19.055	36.510	5.39	19.050	26.164	32.545	38.717	0.046	2.87	25
50	18.532	36.495	5.36	18.524	26.287	32.680	38.865	0.092	3.86	50
75	18.393	36.494	5.28	18.380	26.323	32.720	38.908	0.135	2.04	74
100	18.282	36.504	5.12	18.265	26.359	32.759	38.949	0.177	1.60	99
150	18.171	36.491	4.95	18.144	26.379	32.782	38.975	0.262	1.01	149
200	18.058	36.474	4.88	18.023	26.397	32.803	38.999	0.347	1.03	198
250	17.948	36.466	4.90	17.905	26.420	32.829	39.028	0.431	1.45	248
300	17.789	36.447	4.84	17.737	26.447	32.860	39.063	0.516	1.36	298
350	17.495	36.413	4.50	17.436	26.495	32.915	39.126	0.600	1.66	347
400	17.192	36.374	4.47	17.125	26.540	32.969	39.187	0.682	1.74	397
450	16.773	36.298	4.40	16.698	26.584	33.024	39.253	0.763	1.92	446
500	16.136	36.185	4.27	16.055	26.648	33.106	39.352	0.842	2.36	496
600	14.799	35.962	4.12	14.707	26.779	33.275	39.558	0.992	2.16	595
700	13.073	35.694	3.79	12.974	26.937	33.484	39.816	1.131	2.53	694
800	11.183	35.446	3.63	11.081	27.109	33.715	40.103	1.254	2.56	793
900	9.075	35.215	3.61	8.972	27.292	33.968	40.422	1.359	2.62	892
1000	7.425	35.107	4.04	7.323	27.458	34.191	40.700	1.446	2.26	990
1200	5.361	35.030	5.14	5.255	27.669	34.478	41.058	1.579	1.46	1188
1400	4.969	35.048	5.52	4.847	27.731	34.555	41.150	1.689	0.99	1385
1600	4.448	34.998	5.83	4.314	27.751	34.596	41.211	1.793	0.73	1582
1800	4.208	34.985	5.95	4.057	27.769	34.623	41.248	1.896	0.62	1779
2000	4.120	34.989	5.98	3.951	27.782	34.641	41.270	1.998	0.65	1976
2200	3.791	34.976	6.04	3.607	27.807	34.679	41.321	2.099	0.86	2173
2400	3.404	34.962	6.06	3.206	27.835	34.723	41.381	2.195	0.88	2369
2600	3.173	34.950	6.06	2.959	27.849	34.748	41.414	2.287	0.66	2565
2800	2.994	34.940	6.09	2.764	27.859	34.765	41.440	2.376	0.62	2762
3000	2.848	34.932	6.11	2.600	27.867	34.780	41.461	2.465	0.56	2957
3200	2.691	34.923	6.12	2.426	27.875	34.795	41.483	2.553	0.53	3153
3400	2.570	34.915	6.13	2.286	27.881	34.807	41.500	2.640	0.57	3349
3600	2.455	34.908	6.14	2.153	27.885	34.817	41.516	2.726	0.51	3544
3800	2.359	34.901	6.15	2.037	27.889	34.826	41.529	2.812	0.41	3739
4000	2.315	34.896	6.14	1.972	27.891	34.830	41.536	2.899	0.38	3934
4200	2.288	34.894	6.11	1.922	27.893	34.834	41.542	2.986	0.25	4129
4400	2.275	34.889	6.11	1.886	27.892	34.835	41.544	3.075	0.21	4324
4600	2.277	34.887	6.10	1.865	27.892	34.835	41.546	3.166	0.18	4518
4800	2.287	34.884	6.07	1.849	27.891	34.835	41.546	3.260	0.08	4713
5000	2.304	34.883	6.07	1.841	27.890	34.835	41.547	3.355	0.13	4907
5059	2.281	34.879	6.05	1.812	27.889	34.835	41.548	3.384	0.52	4964

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
3	19.078	36.503	5.34	0.0	0.03	0.0	19.078	26.152	38.704	3
184	18.152	36.501	5.03	0.7	0.11	2.1	18.120	26.393	38.990	183
382	17.327	36.395	4.37	2.0	0.34	6.1	17.262	26.523	39.163	379
582	15.209	36.037		3.5			15.118	26.746	39.502	578
783	11.239	35.454	3.55	10.2	1.26	20.7	11.138	27.104	40.095	777
1181	5.590	35.047	5.07	13.1	1.33	20.6	5.483	27.655	41.027	1171
1383	5.040	35.059	5.46	12.8	1.27	19.6	4.919	27.732	41.145	1371
1583	4.478	35.006	5.79	12.2	1.22	18.9	4.344	27.754	41.212	1569
1783	4.285	34.998	5.89	12.3	1.21	18.5	4.135	27.770	41.244	1766
1983	4.144	34.997	5.92	12.9	1.21	18.5	3.976	27.786	41.272	1963
2283	3.648	34.977	6.00	15.5	1.21	18.5	3.458	27.823	41.349	2258
2603	3.178	34.956	6.04	19.2	1.23	18.7	2.965	27.853	41.418	2573
2902	2.904	34.941	6.08	21.2	1.24	18.7	2.666	27.868	41.457	2866
3202	2.702	34.929	6.11	23.1	1.23	18.6	2.436	27.879	41.486	3161
3402	2.579	34.920	6.13	24.2	1.24	18.6	2.295	27.884	41.502	3356
3605	2.456	34.912	6.11	26.0	1.26	18.7	2.153	27.889	41.519	3554
3806	2.369	34.907	6.14	28.3	1.27	19.0	2.047	27.894	41.533	3752
4007	2.323	34.900	6.10	30.0	1.29	19.2	1.979	27.893	41.538	3948
4203	2.299	34.898	6.10	31.4	1.30	19.4	1.933	27.895	41.544	4139
4406	2.285	34.894	6.05	33.3	1.32	19.5	1.896	27.895	41.547	4337
4612	2.284	34.893	6.01	34.5	1.33	19.7	1.870	27.896	41.550	4538
5069	2.285	34.890	5.94	38.5	1.37	20.2	1.814	27.898	41.557	4982

ENDEAVOR 129 STA= 57
DATE 22/ 4/85

LAT= 34 39.9N LON= 63 8.8W

SONIC DEPTH= 5097m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	19.080	36.526	5.45	19.080	26.169	32.548	38.720	0.006	0.46	3
25	18.892	36.517	5.43	18.888	26.211	32.595	38.771	0.046	3.39	25
50	18.629	36.525	5.23	18.620	26.285	32.676	38.858	0.090	2.68	50
75	18.498	36.526	5.11	18.484	26.321	32.715	38.900	0.133	1.29	74
100	18.448	36.521	5.05	18.430	26.331	32.726	38.913	0.176	1.69	99
150	18.301	36.520	5.06	18.275	26.369	32.768	38.958	0.262	1.14	149
200	18.199	36.503	5.06	18.164	26.384	32.786	38.979	0.347	0.95	198
250	18.108	36.490	5.05	18.065	26.399	32.803	38.998	0.433	0.91	248
300	17.994	36.474	4.92	17.942	26.417	32.825	39.023	0.518	1.26	298
350	17.794	36.448	4.70	17.733	26.449	32.862	39.065	0.604	1.60	347
400	17.423	36.404	4.49	17.355	26.508	32.930	39.143	0.688	2.02	397
450	16.933	36.330	4.42	16.858	26.570	33.006	39.232	0.770	2.05	446
500	16.326	36.220	4.29	16.244	26.631	33.084	39.325	0.850	2.20	496
600	14.744	35.958	4.07	14.652	26.788	33.286	39.570	1.001	2.30	595
700	12.733	35.654	3.80	12.635	26.973	33.531	39.872	1.138	2.61	694
800	10.394	35.343	3.53	10.295	27.169	33.801	40.213	1.256	2.48	793
900	8.837	35.209	3.71	8.736	27.325	34.009	40.470	1.357	2.47	892
1000	7.270	35.119	4.10	7.169	27.489	34.227	40.741	1.442	2.33	990
1200	5.424	35.053	5.12	5.317	27.680	34.486	41.064	1.571	1.49	1188
1400	4.643	35.007	5.69	4.525	27.735	34.572	41.179	1.678	0.95	1385
1600	4.312	34.997	5.93	4.178	27.765	34.614	41.235	1.779	0.69	1582
1800	4.158	35.001	5.95	4.007	27.786	34.642	41.269	1.878	0.66	1779
2000	3.895	34.983	6.04	3.729	27.800	34.668	41.305	1.976	0.70	1976
2200	3.688	34.977	6.04	3.506	27.818	34.695	41.340	2.073	0.71	2173
2400	3.442	34.966	6.06	3.244	27.835	34.722	41.377	2.167	0.71	2369
2600	3.271	34.957	6.07	3.056	27.846	34.740	41.403	2.260	0.62	2565
2800	3.081	34.946	6.09	2.849	27.856	34.759	41.430	2.351	0.63	2761
3000	2.873	34.934	6.12	2.625	27.866	34.778	41.458	2.442	0.72	2957
3200	2.691	34.924	6.14	2.426	27.876	34.796	41.484	2.529	0.57	3153
3400	2.525	34.915	6.17	2.243	27.883	34.811	41.506	2.616	0.58	3349
3600	2.407	34.905	6.19	2.106	27.888	34.821	41.522	2.701	0.53	3544
3800	2.321	34.898	6.16	2.000	27.890	34.828	41.533	2.786	0.42	3739
4000	2.285	34.893	6.17	1.943	27.891	34.831	41.538	2.872	0.32	3934
4200	2.263	34.890	6.14	1.898	27.892	34.834	41.543	2.959	0.24	4129
4400	2.267	34.888	6.12	1.878	27.891	34.835	41.544	3.048	0.21	4324
4600	2.266	34.884	6.11	1.854	27.891	34.835	41.546	3.139	0.13	4518
4800	2.283	34.885	6.10	1.846	27.892	34.836	41.547	3.232	0.13	4712
5000	2.308	34.885	6.12	1.845	27.892	34.836	41.548	3.328	-0.06	4907
5187	2.329	34.885	6.06	1.842	27.892	34.837	41.548	3.419	0.22	5088

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
6	19.025	36.518	5.32	0.5	0.03	0.1	19.024	26.177	38.731	6
183	18.254	36.515	5.04	0.8	0.11	2.0	18.222	26.378	38.970	182
384	17.629	36.447	5.00	1.6	0.28	5.2	17.563	26.490	39.114	382
582	15.226	36.037	4.50	3.9	0.67	11.4	15.135	26.743	39.497	578
781	11.098	35.428	3.53	10.6	1.31	21.2	10.998	27.110	40.109	775
984	7.563	35.138	4.01	14.5	1.49	23.6	7.461	27.462	40.694	976
1185	5.563	35.073	5.07	13.1	1.31	20.3	5.457	27.679	41.052	1175
1382	4.714	35.012	5.64	12.2	1.24	19.2	4.597	27.731	41.169	1370
1583	4.430	35.022	5.79	12.7	1.22	18.7	4.297	27.772	41.233	1569
1786	4.111	34.989	5.91	12.9	1.21	18.4	3.963	27.781	41.268	1769
1983	3.924	34.985	6.01	13.4	1.21	18.5	3.759	27.799	41.302	1963
2185	3.687	34.982	5.99	15.0	1.22	18.5	3.506	27.822	41.344	2162
2484	3.376	34.969	5.98	18.0	1.23	18.7	3.170	27.845	41.393	2455
2734	3.169	34.956	6.02	19.8	1.24	18.7	2.942	27.855	41.422	2701
2987	2.920	34.946	6.04	21.4	1.24	18.7	2.672	27.872	41.460	2949
3237	2.671	34.927	6.12	23.0	1.24	18.5	2.403	27.880	41.490	3194
3488	2.479	34.916	6.14	25.3	1.25	18.5	2.188	27.889	41.516	3440
3737	2.372	34.908	6.13	27.7	1.26	18.9	2.057	27.893	41.532	3684
3989	2.312	34.907	6.10	29.9	1.28	19.2	1.970	27.900	41.545	3930
4186	2.277	34.895	6.09	32.1	1.30	19.4	1.914	27.894	41.545	4122
4486	2.277	34.892	6.05	33.8	1.32	19.7	1.879	27.895	41.548	4415
4742	2.285	34.891	6.04	34.8	1.33	19.9	1.855	27.896	41.551	4664
4891	2.302	34.893	6.09	35.0	1.32	19.9	1.852	27.898	41.553	4809
5194	2.339	34.891	6.03	36.0	1.34	19.7	1.850	27.896	41.552	5103

ENDEAVOR 129 STA= 58
DATE 22/ 4/85

LAT= 34 59.9N LON= 63 0.0W

SONIC DEPTH= 4823m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	18.698	36.454	5.43	18.697	26.212	32.601	38.782	0.005	1.36	3
25	18.590	36.458	5.19	18.585	26.243	32.635	38.819	0.045	2.56	25
50	18.488	36.461	5.16	18.479	26.273	32.667	38.853	0.089	1.69	50
75	18.408	36.481	5.13	18.395	26.309	32.706	38.894	0.132	2.09	74
100	18.285	36.475	5.05	18.267	26.336	32.736	38.927	0.176	1.28	99
150	18.229	36.471	5.05	18.203	26.350	32.751	38.943	0.261	0.84	149
200	18.161	36.470	5.03	18.126	26.368	32.771	38.965	0.348	1.32	198
250	18.120	36.487	5.01	18.076	26.394	32.798	38.993	0.434	1.32	248
300	17.992	36.478	4.94	17.940	26.420	32.828	39.026	0.519	1.27	298
350	17.670	36.425	4.58	17.610	26.462	32.878	39.084	0.605	1.80	347
400	17.354	36.386	4.48	17.286	26.511	32.935	39.150	0.688	1.75	397
450	16.989	36.325	4.46	16.914	26.554	32.988	39.212	0.771	1.90	446
500	16.406	36.229	4.40	16.324	26.619	33.069	39.308	0.851	2.20	496
600	14.915	35.978	4.10	14.822	26.766	33.259	39.538	1.005	2.45	595
700	13.005	35.687	3.91	12.906	26.945	33.494	39.828	1.143	2.52	694
800	10.701	35.374	3.65	10.601	27.139	33.761	40.164	1.266	2.71	793
900	8.945	35.205	3.79	8.843	27.304	33.985	40.443	1.369	2.68	892
1000	7.398	35.143	4.29	7.296	27.490	34.224	40.733	1.454	2.32	990
1200	5.622	35.075	5.08	5.514	27.673	34.471	41.043	1.584	1.47	1188
1400	4.866	35.048	5.61	4.745	27.743	34.570	41.169	1.692	0.99	1385
1600	4.316	34.997	5.93	4.183	27.765	34.614	41.234	1.793	0.71	1582
1800	4.093	34.989	6.03	3.943	27.784	34.642	41.272	1.892	0.66	1779
2000	3.903	34.979	6.09	3.737	27.797	34.664	41.301	1.990	0.61	1976
2200	3.726	34.975	6.10	3.543	27.813	34.688	41.332	2.088	0.65	2173
2400	3.539	34.968	6.09	3.339	27.827	34.710	41.362	2.184	0.64	2369
2600	3.356	34.957	6.11	3.139	27.838	34.729	41.389	2.279	0.65	2565
2800	3.173	34.950	6.09	2.940	27.851	34.750	41.417	2.373	0.64	2761
3000	2.999	34.939	6.10	2.748	27.860	34.767	41.442	2.466	0.63	2957
3200	2.815	34.928	6.13	2.547	27.869	34.784	41.467	2.557	0.66	3153
3400	2.642	34.918	6.17	2.357	27.877	34.800	41.491	2.646	0.60	3349
3600	2.487	34.909	6.17	2.184	27.884	34.814	41.512	2.734	0.48	3544
3800	2.402	34.903	6.16	2.079	27.888	34.822	41.524	2.821	0.45	3739
4000	2.335	34.898	6.16	1.991	27.890	34.829	41.534	2.908	0.38	3934
4200	2.308	34.893	6.15	1.942	27.890	34.831	41.538	2.996	0.27	4129
4400	2.287	34.890	6.14	1.898	27.891	34.834	41.543	3.086	0.25	4324
4600	2.281	34.885	6.12	1.868	27.890	34.834	41.544	3.177	0.24	4518
4800	2.261	34.880	6.10	1.824	27.889	34.835	41.547	3.271	0.29	4712
4867	2.243	34.877	6.08	1.799	27.889	34.836	41.549	3.302	0.33	4777

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
2	18.694	36.469	5.40	0.0	0.03	0.0	18.694	26.224	38.794	2
183	18.214	36.474	5.07	0.7	0.10	1.7	18.182	26.357	38.952	182
383	17.428	36.403	4.45	1.9	0.33	5.7	17.363	26.505	39.140	380
583	15.269	36.042	4.05	4.3	0.68	11.2	15.177	26.737	39.489	579
784	11.254	35.450	3.51	10.6	1.29	20.8	11.153	27.099	40.088	778
981	7.587	35.149	4.08	14.0	1.45	22.7	7.485	27.467	40.697	973
1183	5.708	35.087	4.99	13.6	1.32	20.4	5.601	27.672	41.035	1173
1382	4.983	35.068	5.50	12.8	1.25	19.2	4.863	27.745	41.163	1370
1582	4.366	35.007	5.82	12.4	1.21	18.4	4.234	27.767	41.233	1567
1783	4.169	35.002	5.91	12.9	1.20	18.2	4.020	27.786	41.268	1766
1983	3.920	34.987		13.7	1.20	18.2	3.755	27.801	41.304	1963
2185	3.740	34.982	5.98	15.0	1.21	18.3	3.558	27.817	41.335	2161
2385	3.544	34.976	6.00	16.7	1.21	18.3	3.345	27.833	41.368	2358
2585	3.380	34.976	6.02	18.0	1.22	18.4	3.164	27.851	41.399	2555
2786	3.187	34.956	6.02	19.6	1.23	18.5	2.954	27.854	41.420	2753
2986	3.016	34.948	6.00	21.8	1.24	18.6	2.767	27.865	41.445	2949
3185	2.825	34.936	6.06	22.4	1.24	18.6	2.558	27.874	41.471	3144
3386	2.648	34.925	6.12	23.4	1.24	18.3	2.364	27.882	41.495	3340
3588	2.503	34.921	6.13	25.4	1.25	18.4	2.201	27.892	41.518	3538
3787	2.409	34.909	6.12	27.3	1.24	18.5	2.088	27.892	41.527	3733
3987	2.345	34.904	6.09	29.2	1.26	18.9	2.002	27.895	41.537	3929
4190	2.316	34.900	6.08	31.0	1.28	19.1	1.951	27.896	41.542	4126
4491	2.294	34.894	6.04	33.3	1.29	19.3	1.894	27.895	41.547	4419
4874	2.251	34.882	5.96	39.4	1.36	20.4	1.806	27.892	41.552	4793

ENDEAVOR 129 STA= 59 LAT= 35 20.1N LON= 63 0.0W SONIC DEPTH= 4793m
 DATE 22/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	19.240	36.456	5.38	19.240	26.074	32.451	38.619	0.002	6.33	1
25	18.639	36.484	5.29	18.635	26.250	32.641	38.823	0.045	2.44	25
50	18.402	36.488	5.22	18.393	26.315	32.711	38.899	0.089	2.20	50
75	18.344	36.494	5.12	18.331	26.335	32.733	38.922	0.131	1.52	74
100	18.211	36.480	5.03	18.194	26.359	32.760	38.953	0.174	1.14	99
150	18.193	36.498	5.06	18.167	26.380	32.781	38.974	0.259	1.24	149
200	18.139	36.490	5.05	18.104	26.389	32.793	38.987	0.343	0.72	198
250	18.101	36.489	5.09	18.057	26.400	32.805	39.000	0.429	0.84	248
300	18.028	36.481	4.94	17.976	26.414	32.821	39.018	0.515	1.08	298
350	17.970	36.479	4.97	17.909	26.429	32.838	39.037	0.601	0.95	347
400	17.885	36.473	4.90	17.815	26.448	32.858	39.059	0.687	1.03	397
450	17.776	36.469	4.91	17.698	26.473	32.887	39.091	0.773	1.79	446
500	16.944	36.307	4.49	16.860	26.553	32.989	39.214	0.858	2.15	496
600	15.672	36.103	4.28	15.577	26.694	33.165	39.424	1.018	2.36	595
700	13.470	35.751	3.87	13.369	26.900	33.436	39.756	1.165	2.97	694
800	11.522	35.486	3.82	11.417	27.078	33.673	40.051	1.292	2.44	793
900	9.849	35.299	3.81	9.741	27.230	33.881	40.310	1.403	2.45	892
1000	7.698	35.101	4.00	7.594	27.414	34.138	40.638	1.497	2.67	990
1200	5.776	35.080	5.00	5.666	27.659	34.451	41.017	1.636	1.60	1188
1400	4.928	35.039	5.53	4.807	27.729	34.554	41.151	1.747	1.01	1385
1600	4.424	35.002	5.82	4.290	27.757	34.602	41.218	1.850	0.72	1582
1800	4.165	34.991	5.96	4.015	27.778	34.634	41.260	1.951	0.69	1779
2000	3.981	34.986	6.00	3.813	27.794	34.658	41.292	2.051	0.68	1976
2200	3.799	34.980	6.00	3.615	27.810	34.682	41.323	2.149	0.65	2173
2400	3.613	34.977	5.99	3.411	27.828	34.708	41.357	2.247	0.66	2369
2600	3.420	34.965	6.00	3.202	27.838	34.727	41.384	2.343	0.64	2565
2800	3.241	34.953	6.02	3.006	27.847	34.744	41.409	2.438	0.61	2761
3000	3.057	34.943	6.03	2.805	27.857	34.762	41.435	2.532	0.60	2957
3200	2.908	34.934	6.05	2.638	27.865	34.776	41.456	2.625	0.60	3153
3400	2.733	34.922	6.09	2.446	27.873	34.792	41.479	2.716	0.59	3348
3600	2.598	34.914	6.12	2.292	27.879	34.805	41.498	2.807	0.60	3544
3800	2.434	34.903	6.12	2.110	27.885	34.819	41.519	2.896	0.56	3739
4000	2.363	34.899	6.12	2.019	27.889	34.826	41.530	2.984	0.43	3934
4200	2.330	34.894	6.10	1.963	27.890	34.830	41.536	3.072	0.34	4129
4400	2.294	34.890	6.10	1.905	27.892	34.834	41.543	3.162	0.29	4323
4600	2.290	34.886	6.07	1.877	27.891	34.834	41.544	3.254	0.14	4518
4800	2.283	34.882	6.05	1.846	27.889	34.834	41.545	3.348	0.26	4712
4897	2.272	34.881	6.03	1.823	27.890	34.836	41.548	3.394	0.34	4806

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
4	18.993	36.496	5.39	0.2	0.02	0.0	18.992	26.168	38.724	4
183	18.139	36.494	5.05	1.0	0.11	2.1	18.107	26.391	38.989	182
383	17.959	36.486	4.97	1.3	0.16	2.6	17.893	26.438	39.046	380
582	16.151	36.186	4.34	3.2	0.51	8.4	16.056	26.648	39.352	578
783	11.916	35.540	3.58	9.4	1.19	19.4	11.811	27.045	39.994	778
982	7.969	35.124	3.73	15.3	1.56	24.7	7.864	27.392	40.597	974
1183	5.881	35.100	5.12	13.1	1.32	20.4	5.772	27.661	41.011	1173
1382	4.943	35.050	5.51	12.8	1.26	19.3	4.824	27.736	41.156	1369
1582	4.398	35.004	5.81	12.3	1.23	18.6	4.266	27.761	41.224	1568
1799	4.135	34.997	5.93	13.0	1.22	18.4	3.985	27.785	41.270	1781
2001	3.953	34.992	5.95	13.7	1.22	18.4	3.785	27.802	41.302	1981
2198	3.793	34.989	5.98	14.9	1.23	18.4	3.609	27.818	41.331	2175
2391	3.615	34.986	5.98	16.7	1.24	18.6	3.414	27.835	41.363	2364
2585	3.414	34.974	6.00	17.9	1.25	18.6	3.197	27.846	41.392	2555
2902	3.155	34.956	6.01	20.1	1.26	18.6	2.911	27.858	41.427	2866
3204	2.907	34.941	6.04	22.2	1.26	18.6	2.636	27.871	41.462	3162
3505	2.670	34.925	6.09	22.8	1.25	18.4	2.373	27.881	41.493	3457
3807	2.427	34.910		26.4	1.27	18.6	2.102	27.891	41.526	3752
4007	2.355	34.904	6.13	28.2	1.29	19.0	2.010	27.894	41.536	3948
4203	2.329	34.900	6.10	29.6	1.30	19.1	1.962	27.895	41.541	4139
4408	2.297	34.897	6.04	31.8	1.32	19.4	1.907	27.897	41.547	4338
4605	2.295	34.893	6.05	33.4	1.34	19.6	1.881	27.895	41.548	4531
4803	2.290	34.890	6.02	35.1	1.35	19.8	1.852	27.895	41.551	4724
4905	2.280	34.892	6.00	36.7	1.37	20.0	1.829	27.899	41.556	4823

ENDEAVOR 129 STA= 60
DATE 22/ 4/85

LAT= 35 40.4N LON= 63 0.1W

SONIC DEPTH= 4865m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-0 kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	18.978	36.517	5.66	18.977	26.188	32.570	38.744	0.005	3.19	3
25	18.693	36.514	5.52	18.689	26.260	32.649	38.829	0.045	3.05	25
50	18.497	36.520	5.20	18.488	26.315	32.709	38.894	0.088	3.02	50
75	18.314	36.514	5.14	18.301	26.358	32.757	38.946	0.131	1.55	74
100	18.292	36.515	5.15	18.275	26.366	32.765	38.955	0.173	0.53	99
150	18.256	36.511	5.07	18.230	26.374	32.774	38.965	0.258	0.75	149
200	18.210	36.504	5.07	18.175	26.382	32.783	38.976	0.343	0.78	198
250	18.160	36.497	5.03	18.117	26.391	32.794	38.988	0.429	0.70	248
300	18.117	36.490	5.04	18.064	26.399	32.804	38.999	0.515	0.88	298
350	18.018	36.475	4.88	17.957	26.415	32.822	39.020	0.602	1.25	347
400	17.781	36.446	4.65	17.712	26.453	32.866	39.070	0.688	1.87	397
450	17.391	36.399	4.40	17.315	26.514	32.937	39.151	0.773	1.84	446
500	16.981	36.333	4.37	16.897	26.564	32.999	39.223	0.856	2.15	496
600	15.708	36.111	4.14	15.613	26.692	33.162	39.420	1.015	2.24	595
700	13.962	35.832	3.81	13.859	26.861	33.382	39.688	1.162	2.45	694
800	11.709	35.503	3.59	11.603	27.056	33.646	40.018	1.293	2.74	793
900	9.510	35.235	3.53	9.404	27.237	33.898	40.339	1.404	2.56	892
1000	7.654	35.107	3.95	7.550	27.425	34.150	40.652	1.497	2.48	990
1200	5.741	35.082	4.98	5.631	27.664	34.458	41.025	1.634	1.59	1188
1400	4.995	35.054	5.47	4.873	27.733	34.555	41.150	1.745	0.97	1385
1600	4.408	35.003	5.78	4.274	27.759	34.605	41.222	1.849	0.84	1582
1800	4.134	34.990	5.90	3.984	27.780	34.637	41.265	1.949	0.72	1779
2000	3.929	34.982	5.94	3.763	27.797	34.663	41.299	2.048	0.57	1976
2200	3.804	34.980	5.94	3.620	27.809	34.681	41.322	2.147	0.63	2173
2400	3.675	34.976	5.95	3.473	27.821	34.699	41.345	2.245	0.61	2369
2600	3.447	34.965	5.95	3.228	27.836	34.723	41.379	2.343	0.72	2565
2800	3.234	34.953	5.98	2.999	27.848	34.744	41.409	2.438	0.66	2761
3000	3.089	34.948	5.99	2.836	27.858	34.762	41.433	2.532	0.60	2957
3200	2.954	34.940	5.98	2.682	27.866	34.776	41.453	2.626	0.73	3153
3400	2.750	34.929	6.02	2.462	27.876	34.795	41.481	2.717	0.63	3348
3600	2.585	34.919	6.04	2.280	27.884	34.810	41.504	2.806	0.62	3544
3800	2.470	34.910	6.05	2.145	27.888	34.820	41.519	2.894	0.40	3739
4000	2.400	34.906	6.05	2.054	27.892	34.828	41.530	2.983	0.49	3934
4200	2.342	34.900	6.05	1.975	27.894	34.833	41.539	3.072	0.30	4129
4337	2.330	34.898	6.02	1.947	27.895	34.835	41.542	3.133	0.32	4262

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-0 kg/m3	SIG-3 kg/m3	DE m
4	18.874	36.525	4.92	0.0	0.03	0.0	18.873	26.221	38.782	4
84	18.343	36.528	4.96	0.6	0.07	1.4	18.328	26.362	38.948	83
184	18.231	36.517	4.77	0.9	0.11	1.8	18.199	26.386	38.979	182
382	17.906	36.471	4.49	1.6	0.22	3.6	17.839	26.440	39.051	380
582	16.112	36.188	4.19	3.5	0.54	9.0	16.018	26.659	39.365	578
783	12.285	35.582	3.61	9.2	1.17	19.0	12.178	27.007	39.934	777
981	8.197	35.135	3.66	15.2	1.55	24.5	8.091	27.367	40.556	973
1182	5.793	35.082	4.98	13.2	1.31	20.2	5.685	27.658	41.015	1172
1383	5.055	35.058	5.44	12.5	1.24	19.0	4.934	27.729	41.141	1371
1583	4.508	35.013	5.77	12.2	1.21	18.3	4.374	27.757	41.211	1568
1784	4.174	34.997	5.92	12.8	1.20	18.1	4.025	27.781	41.263	1766
1983	3.991	34.994	5.93	13.8	1.21	18.2	3.825	27.800	41.297	1963
2183	3.833	34.986	5.95	14.7	1.21	18.2	3.650	27.811	41.322	2160
2384	3.683	34.984	5.98	15.8	1.21	18.2	3.482	27.826	41.350	2358
2585	3.482	34.976	5.96	17.1	1.22	18.2	3.264	27.841	41.382	2555
2787	3.265	34.960	6.02	18.5	1.22	18.2	3.031	27.850	41.410	2754
2988	3.118	34.950		19.7	1.22	18.2	2.866	27.858	41.430	2951
3188	2.957	34.943	6.05	21.2	1.23	18.2	2.687	27.868	41.455	3147
3391	2.758	34.930	6.09	22.6	1.22	18.2	2.471	27.877	41.481	3345
3588	2.597	34.920	6.12	23.8	1.22	18.2	2.293	27.884	41.502	3538
3789	2.481	34.913	6.14	26.0	1.24	18.3	2.157	27.889	41.519	3735
3988	2.413	34.907	6.09	27.5	1.25	18.5	2.069	27.892	41.529	3929
4189	2.349	34.902	6.06	28.9	1.25	18.5	1.984	27.895	41.539	4126
4344	2.336	34.899	6.09	30.7	1.28	18.9	1.952	27.895	41.542	4276

ENDEAVOR 129 STA= 61
DATE 23/ 4/85

LAT= 35 59.7N LON= 62 59.7W

SONIC DEPTH= 5049m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	18.663	36.503	5.70	18.663	26.258	32.648	38.830	0.002	0.37	1
25	18.555	36.500	5.57	18.551	26.284	32.677	38.861	0.044	2.50	25
50	18.455	36.495	5.50	18.446	26.307	32.702	38.889	0.087	1.91	50
75	18.266	36.490	5.27	18.253	26.352	32.752	38.943	0.130	2.14	74
100	18.222	36.499	5.16	18.204	26.370	32.771	38.963	0.172	0.60	99
150	18.233	36.505	5.20	18.207	26.374	32.775	38.967	0.256	0.61	149
200	18.193	36.500	5.13	18.158	26.383	32.785	38.978	0.342	0.63	198
250	18.173	36.497	5.04	18.129	26.388	32.791	38.985	0.427	0.56	248
300	18.121	36.491	5.01	18.068	26.398	32.803	38.998	0.514	1.06	298
350	18.027	36.479	4.90	17.966	26.415	32.822	39.020	0.601	1.00	347
400	17.911	36.464	4.76	17.842	26.434	32.844	39.045	0.688	1.54	397
450	17.535	36.417	4.42	17.458	26.492	32.912	39.123	0.773	1.80	446
500	17.170	36.363	4.42	17.085	26.542	32.972	39.191	0.858	2.11	496
600	16.044	36.166	4.22	15.947	26.658	33.119	39.368	1.020	2.21	595
700	14.343	35.892	3.99	14.237	26.827	33.337	39.632	1.170	2.46	694
800	11.900	35.527	3.53	11.793	27.039	33.622	39.989	1.305	2.89	793
900	9.840	35.281	3.54	9.732	27.217	33.868	40.298	1.419	2.65	891
1000	7.747	35.120	3.92	7.642	27.422	34.143	40.642	1.513	2.63	990
1200	5.970	35.109	4.85	5.858	27.657	34.442	41.001	1.652	1.61	1188
1400	4.923	35.044	5.46	4.802	27.733	34.558	41.155	1.763	0.98	1385
1600	4.470	35.009	5.74	4.335	27.758	34.601	41.216	1.867	0.74	1582
1800	4.187	34.992	5.98	4.036	27.776	34.631	41.257	1.968	0.69	1779
2000	3.964	34.985	5.97	3.797	27.795	34.660	41.294	2.068	0.65	1976
2200	3.769	34.979	5.97	3.586	27.812	34.685	41.327	2.167	0.65	2173
2400	3.626	34.976	5.96	3.425	27.825	34.705	41.353	2.264	0.67	2369
2600	3.449	34.968	5.94	3.230	27.838	34.725	41.382	2.361	0.62	2565
2800	3.282	34.960	5.95	3.046	27.849	34.744	41.407	2.456	0.61	2761
3000	3.104	34.949	5.96	2.851	27.858	34.761	41.432	2.551	0.59	2957
3200	2.947	34.940	5.98	2.676	27.867	34.776	41.454	2.644	0.61	3153
3400	2.765	34.929	6.02	2.477	27.876	34.794	41.479	2.736	0.64	3348
3600	2.619	34.921	6.03	2.313	27.883	34.808	41.500	2.826	0.61	3544
3800	2.498	34.913	6.04	2.173	27.888	34.819	41.517	2.916	0.48	3739
4000	2.413	34.906	6.04	2.067	27.891	34.826	41.528	3.004	0.45	3934
4200	2.364	34.901	6.06	1.997	27.893	34.831	41.536	3.094	0.38	4129
4400	2.337	34.897	6.04	1.947	27.893	34.834	41.541	3.184	0.30	4323
4600	2.318	34.894	6.03	1.904	27.894	34.836	41.545	3.276	0.26	4518
4800	2.308	34.890	6.02	1.870	27.894	34.838	41.548	3.369	0.27	4712
5000	2.289	34.886	6.00	1.827	27.894	34.839	41.551	3.465	0.25	4906
5127	2.302	34.886	6.02	1.823	27.894	34.840	41.552	3.526	0.11	5029

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
7	18.570	36.510	5.52	0.4	0.03	0.0	18.569	26.287	38.863	7
182	18.200	36.504	5.13	1.3	0.10	1.8	18.169	26.384	38.978	181
383	18.003	36.479	4.91	1.7	0.17	2.9	17.936	26.422	39.028	381
582	16.138	36.185	4.20	3.6	0.53	9.0	16.043	26.651	39.355	578
784	12.202	35.562	3.50	9.6	1.19	19.3	12.096	27.008	39.940	779
983	8.329	35.161	3.75	14.4	1.51	23.6	8.222	27.367	40.547	975
1182	6.004	35.110	4.89	13.4	1.32	20.3	5.894	27.653	40.995	1172
1383	5.074	35.062	5.47	12.5	1.25	19.0	4.953	27.730	41.141	1371
1585	4.555	35.019	5.77	12.3	1.22	18.4	4.421	27.756	41.207	1570
1784	4.215	34.993	5.94	12.7	1.20	18.1	4.065	27.774	41.253	1767
1983	4.011	34.988	5.98	13.5	1.21	18.1	3.845	27.793	41.288	1963
2201	3.813	34.982	5.98	14.6	1.22	18.1	3.629	27.810	41.322	2177
2404	3.655	34.980	6.01	16.0	1.22	18.2	3.453	27.826	41.352	2377
2603	3.470	34.972	6.00	17.7	1.23	18.3	3.250	27.839	41.381	2573
2801	3.299	34.964	6.01	19.3	1.24	18.5	3.063	27.851	41.407	2768
3002	3.114	34.952	6.05	20.5	1.24	18.4	2.860	27.860	41.433	2964
3206	2.967	34.942	6.09	21.3	1.24	18.2	2.695	27.867	41.453	3164
3401	2.806	34.933	6.10	22.4	1.24	18.2	2.516	27.875	41.476	3355
3601	2.625	34.924	6.13	23.8	1.24	18.3	2.318	27.885	41.501	3550
3904	2.463	34.911	6.13	26.7	1.26	18.4	2.127	27.890	41.523	3847
4206	2.378	34.904	6.12	28.9	1.28	18.6	2.010	27.894	41.536	4142
4491	2.331	34.899	6.09	31.6	1.30	19.0	1.930	27.896	41.545	4420
4790	2.316	34.894	6.05	33.7	1.32	19.3	1.879	27.896	41.549	4711
5135	2.312	34.887	6.02	35.7	1.34	19.6	1.832	27.894	41.551	5046

ENDEAVOR 129 STA= 62 LAT= 36 20.0N LON= 63 0.3W SONIC DEPTH= 5035m
 DATE 23/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	18.615	36.528	5.55	18.615	26.290	32.680	38.862	0.002	0.36	1
25	18.548	36.527	5.43	18.543	26.307	32.700	38.883	0.043	2.04	25
50	18.433	36.394	5.29	18.424	26.235	32.632	38.819	0.087	3.50	50
75	18.385	36.512	5.20	18.372	26.338	32.735	38.923	0.130	1.38	74
100	18.341	36.513	5.08	18.323	26.352	32.750	38.939	0.173	1.28	99
150	18.235	36.501	5.07	18.209	26.371	32.772	38.963	0.258	0.89	149
200	18.194	36.498	5.03	18.159	26.382	32.784	38.977	0.343	0.82	198
250	18.150	36.495	5.00	18.106	26.392	32.795	38.989	0.429	0.78	248
300	18.096	36.487	5.01	18.044	26.401	32.806	39.002	0.515	0.88	298
350	18.025	36.479	4.84	17.964	26.416	32.823	39.020	0.602	1.01	347
400	17.930	36.471	4.79	17.860	26.435	32.845	39.045	0.689	1.41	397
450	17.523	36.414	4.43	17.446	26.493	32.913	39.124	0.775	2.26	446
500	17.145	36.360	4.38	17.061	26.545	32.976	39.196	0.858	1.86	496
600	15.950	36.157	4.10	15.853	26.673	33.136	39.388	1.020	2.41	595
700	13.875	35.818	3.86	13.772	26.868	33.391	39.700	1.167	2.34	694
800	11.997	35.540	3.60	11.890	27.030	33.611	39.974	1.300	2.67	793
900	9.499	35.235	3.57	9.394	27.238	33.900	40.341	1.413	2.79	891
1000	7.637	35.134	4.13	7.533	27.449	34.175	40.676	1.506	2.43	990
1200	5.669	35.059	4.99	5.560	27.655	34.452	41.021	1.643	1.56	1188
1400	4.912	35.022	5.49	4.791	27.717	34.543	41.141	1.756	1.00	1385
1600	4.431	34.997	5.78	4.296	27.752	34.597	41.213	1.861	0.79	1582
1800	4.236	34.997	5.88	4.085	27.775	34.628	41.252	1.963	0.69	1779
2000	3.981	34.977	5.96	3.814	27.787	34.651	41.285	2.063	0.60	1976
2200	3.815	34.974	5.97	3.631	27.804	34.675	41.316	2.164	0.68	2172
2400	3.660	34.977	5.95	3.458	27.823	34.701	41.349	2.262	0.70	2369
2600	3.477	34.967	5.93	3.258	27.834	34.720	41.376	2.359	0.57	2565
2800	3.298	34.957	5.94	3.061	27.845	34.739	41.402	2.456	0.62	2761
3000	3.117	34.944	5.96	2.864	27.853	34.755	41.426	2.551	0.57	2957
3200	2.976	34.934	5.97	2.704	27.860	34.768	41.445	2.646	0.58	3153
3400	2.814	34.924	6.01	2.525	27.867	34.783	41.467	2.740	0.66	3348
3600	2.655	34.914	6.05	2.347	27.875	34.798	41.489	2.832	0.62	3543
3800	2.495	34.905	6.06	2.169	27.882	34.813	41.511	2.922	0.52	3739
4000	2.407	34.898	6.05	2.061	27.885	34.821	41.523	3.012	0.47	3934
4200	2.342	34.892	6.06	1.975	27.887	34.827	41.533	3.102	0.40	4128
4400	2.310	34.888	6.05	1.920	27.888	34.830	41.538	3.193	0.29	4323
4600	2.295	34.884	6.03	1.882	27.888	34.831	41.541	3.285	0.26	4518
4800	2.292	34.881	6.03	1.855	27.888	34.833	41.543	3.379	0.24	4712
5000	2.290	34.878	6.01	1.827	27.888	34.833	41.545	3.475	-0.03	4906
5115	2.292	34.883	5.98	1.815	27.893	34.839	41.551	3.531	0.40	5017

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
6	18.632	36.500	5.44	0.6	0.03	0.0	18.631	26.264	38.837	6
186	18.200	36.502	5.18	1.2	0.09	1.6	18.168	26.382	38.977	185
388	17.873	36.449	4.96	1.4	0.17	2.8	17.806	26.432	39.044	385
589	16.285	36.214	4.34	3.0	0.50	8.4	16.189	26.639	39.336	585
783	12.518	35.616	3.58	8.3	1.12	18.1	12.410	26.989	39.901	777
983	8.191	35.160	3.84	13.7	1.49	23.0	8.085	27.387	40.577	975
1184	5.823	35.060	5.12	13.0	1.34	20.4	5.714	27.637	40.992	1174
1382	4.825	35.020	5.56	12.0	1.25	18.6	4.707	27.725	41.155	1370
1584	4.438	35.006	5.80	11.9	1.21	18.1	4.305	27.759	41.219	1570
1784	4.208	35.002	5.90	12.3	1.21	17.9	4.059	27.782	41.261	1767
1984	3.950	34.983	6.02	12.9	1.21	17.8	3.784	27.795	41.295	1964
2333	3.676	34.982	6.00	15.4	1.22	18.0	3.480	27.825	41.349	2307
2485	3.590	34.985	5.97	17.1	1.24	18.3	3.380	27.837	41.368	2456
2737	3.367	34.971	5.95	19.1	1.25	18.5	3.136	27.849	41.400	2704
2988	3.120	34.953	5.97	20.5	1.25	18.3	2.868	27.860	41.432	2951
3239	2.963	34.943	6.03	21.7	1.25	18.5	2.687	27.868	41.455	3196
3487	2.759	34.930	6.07	21.9	1.24	18.1	2.462	27.877	41.482	3439
3760	2.526	34.915		24.6	1.24	18.2	2.204	27.887	41.513	3707
3991	2.428	34.908	6.13	26.4	1.26	18.3	2.083	27.891	41.527	3932
4233	2.349	34.900	6.09	28.5	1.27	18.6	1.978	27.893	41.538	4168
4490	2.311	34.896	6.07	30.6	1.29	18.9	1.911	27.896	41.546	4418
4740	2.303	34.891	6.02	32.2	1.31	19.3	1.872	27.895	41.548	4662
4991	2.302	34.888	6.00	33.7	1.32	19.3	1.840	27.895	41.551	4906
5123	2.302	34.885	5.97	36.4	1.36	19.7	1.823	27.894	41.551	5034

ENDEAVOR 129 STA= 63 LAT= 36 39.8N LON= 63 0.0W SONIC DEPTH= 5035m
 DATE 23/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	19.096	36.546	5.45	19.096	26.180	32.559	38.730	0.005	3.40	3
25	18.715	36.535	5.44	18.711	26.270	32.659	38.839	0.045	2.55	25
50	18.641	36.531	5.45	18.632	26.288	32.678	38.860	0.089	2.29	50
75	18.470	36.533	5.29	18.457	26.333	32.728	38.913	0.132	1.95	74
100	18.368	36.523	5.18	18.350	26.353	32.750	38.938	0.174	1.34	99
150	18.272	36.515	5.13	18.245	26.372	32.772	38.963	0.259	0.96	149
200	18.221	36.511	5.09	18.186	26.384	32.785	38.978	0.344	0.90	198
250	18.148	36.502	4.98	18.104	26.398	32.802	38.996	0.430	0.80	248
300	18.103	36.497	4.94	18.051	26.408	32.813	39.008	0.516	1.05	298
350	17.972	36.479	4.81	17.911	26.428	32.836	39.035	0.602	1.12	347
400	17.848	36.461	4.67	17.779	26.447	32.859	39.061	0.689	1.55	397
450	17.517	36.416	4.48	17.440	26.496	32.917	39.127	0.774	1.66	446
500	17.143	36.357	4.47	17.059	26.543	32.974	39.194	0.858	1.98	496
600	15.893	36.142	4.21	15.796	26.674	33.139	39.392	1.020	2.31	595
700	14.369	35.892	3.94	14.264	26.821	33.330	39.625	1.171	2.52	694
800	12.161	35.561	3.56	12.053	27.015	33.591	39.950	1.305	2.77	793
900	9.932	35.279	3.33	9.824	27.201	33.848	40.276	1.420	2.56	891
1000	7.850	35.124	3.82	7.745	27.409	34.128	40.622	1.516	2.66	990
1200	5.753	35.068	5.03	5.644	27.652	34.445	41.012	1.656	1.63	1188
1400	4.852	35.029	5.67	4.732	27.730	34.558	41.157	1.767	0.99	1385
1600	4.330	34.986	5.91	4.197	27.754	34.604	41.223	1.870	0.72	1582
1800	4.091	34.975	5.99	3.942	27.773	34.632	41.261	1.971	0.61	1779
2000	3.939	34.976	6.00	3.772	27.791	34.657	41.292	2.071	0.70	1976
2200	3.783	34.977	6.00	3.599	27.809	34.682	41.324	2.170	0.65	2172
2400	3.625	34.978	5.96	3.424	27.827	34.707	41.356	2.268	0.68	2369
2600	3.404	34.963	6.00	3.186	27.839	34.728	41.385	2.364	0.61	2565
2800	3.260	34.955	6.03	3.025	27.847	34.743	41.407	2.459	0.60	2761
3000	3.107	34.948	5.98	2.854	27.857	34.760	41.431	2.553	0.55	2957
3200	2.952	34.938	6.03	2.681	27.865	34.774	41.452	2.647	0.61	3153
3400	2.770	34.926	6.13	2.482	27.873	34.791	41.476	2.740	0.68	3348
3600	2.594	34.917	6.17	2.289	27.881	34.807	41.501	2.830	0.61	3543
3800	2.458	34.908	6.18	2.134	27.887	34.820	41.519	2.919	0.55	3738
4000	2.377	34.902	6.17	2.032	27.890	34.827	41.531	3.007	0.45	3933
4200	2.323	34.896	6.13	1.956	27.892	34.832	41.539	3.095	0.32	4128
4400	2.301	34.892	6.11	1.912	27.893	34.834	41.543	3.185	0.27	4323
4600	2.284	34.888	6.08	1.871	27.892	34.836	41.546	3.277	0.25	4517
4800	2.289	34.886	6.05	1.851	27.892	34.837	41.548	3.370	0.20	4712
5000	2.295	34.884	6.06	1.832	27.892	34.838	41.549	3.465	0.21	4906
5065	2.299	34.884	6.04	1.828	27.892	34.837	41.549	3.497	0.10	4969

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
6	19.468	36.557	5.28	0.0	0.02	0.0	19.467	26.092	38.625	6
182	18.201	36.514	5.02	0.8	0.11	2.2	18.169	26.391	38.985	181
383	17.777	36.453	4.77	1.2	0.24	3.9	17.711	26.458	39.075	381
584	16.174	36.198	4.29	1.8	0.53	9.0	16.079	26.652	39.355	580
783	12.467	35.605	3.64	8.1	1.15	18.2	12.359	26.990	39.906	778
981	8.306	35.163	3.82	13.4	1.50	23.2	8.199	27.372	40.554	973
1184	5.943	35.084	4.91	12.8	1.35	20.5	5.833	27.641	40.987	1174
1381	4.904	35.031	5.57	11.7	1.26	18.9	4.785	27.725	41.149	1369
1583	4.528	35.021	5.85	11.5	1.22	18.2	4.394	27.761	41.214	1568
1781	4.155	34.984	6.01	11.6	1.21	18.0	4.007	27.773	41.256	1763
1984	3.998	34.988	6.06	12.2	1.21	17.8	3.832	27.794	41.291	1964
2183	3.818	34.984	6.07	13.4	1.21	18.0	3.635	27.811	41.323	2160
2383	3.671	34.980	6.07	14.9	1.22	18.1	3.471	27.824	41.349	2356
2583	3.503	34.974	6.07	16.3	1.23	18.2	3.285	27.838	41.376	2553
2783	3.300	34.963	6.08	17.6	1.24	18.2	3.065	27.850	41.406	2750
2987	3.143	34.958	6.01	21.2	1.27	18.9	2.891	27.862	41.432	2950
3186	2.997	34.946	6.04	21.7	1.27	18.6	2.726	27.867	41.451	3145
3385	2.788	34.934	6.18	20.8	1.24	18.0	2.501	27.877	41.479	3339
3679	2.563	34.923	6.22	22.9	1.24	18.1	2.250	27.890	41.512	3628
3888	2.418	34.909	6.17	25.9	1.26	18.3	2.085	27.892	41.528	3831
4189	2.336	34.901	6.12	28.3	1.28	18.5	1.970	27.895	41.540	4126
4491	2.306	34.900	6.14	30.5	1.31	19.0	1.906	27.899	41.550	4420
4791	2.299	34.891	6.11	32.4	1.32	19.2	1.862	27.895	41.550	4712
5075	2.309	34.892	6.08	34.3	1.34	19.4	1.836	27.898	41.555	4987

ENDEAVOR 129 STA= 64 LAT= 36 60.0N LON= 63 0.1W SONIC DEPTH= 5007m
 DATE 23/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	18.710	36.548	5.35	18.710	26.281	32.669	38.849	0.005	-1.42	3
25	18.716	36.542	5.31	18.712	26.275	32.664	38.843	0.043	0.75	25
50	18.697	36.541	5.30	18.688	26.280	32.669	38.850	0.087	1.77	50
75	18.378	36.512	5.19	18.365	26.340	32.737	38.925	0.130	2.09	74
100	18.287	36.503	5.25	18.269	26.357	32.757	38.947	0.173	1.23	99
150	18.284	36.514	5.15	18.258	26.369	32.768	38.959	0.258	0.65	149
200	18.232	36.508	5.10	18.197	26.379	32.781	38.972	0.343	0.85	198
250	18.171	36.501	5.08	18.128	26.391	32.794	38.988	0.429	0.95	248
300	18.126	36.496	5.13	18.074	26.401	32.805	39.000	0.515	0.80	298
350	18.082	36.491	5.11	18.021	26.411	32.816	39.012	0.602	0.75	347
400	18.011	36.481	4.99	17.941	26.423	32.830	39.028	0.690	1.18	397
450	17.879	36.465	4.83	17.800	26.445	32.856	39.058	0.777	1.49	446
500	17.592	36.424	4.56	17.506	26.486	32.905	39.114	0.864	1.97	496
600	16.366	36.225	4.37	16.268	26.629	33.081	39.322	1.031	2.40	595
700	14.504	35.915	3.95	14.398	26.810	33.315	39.606	1.184	2.44	694
800	12.474	35.606	3.61	12.364	26.990	33.556	39.906	1.322	2.71	793
900	10.215	35.313	3.34	10.105	27.179	33.817	40.235	1.441	2.77	891
1000	8.042	35.139	3.76	7.935	27.393	34.105	40.593	1.540	2.67	990
1200	5.714	35.062	5.05	5.605	27.652	34.447	41.015	1.681	1.64	1188
1400	4.908	35.029	5.57	4.787	27.723	34.549	41.146	1.794	1.03	1385
1600	4.437	35.004	5.82	4.302	27.757	34.602	41.218	1.898	0.80	1582
1800	4.168	34.991	5.91	4.017	27.777	34.633	41.260	1.999	0.68	1779
2000	3.964	34.984	5.95	3.797	27.795	34.660	41.294	2.099	0.62	1976
2200	3.829	34.986	5.92	3.644	27.812	34.683	41.323	2.198	0.67	2172
2400	3.656	34.981	5.93	3.454	27.827	34.705	41.353	2.295	0.67	2369
2600	3.444	34.968	5.98	3.225	27.838	34.726	41.382	2.392	0.63	2565
2800	3.232	34.956	6.00	2.997	27.850	34.747	41.412	2.487	0.63	2761
3000	3.077	34.947	6.01	2.825	27.859	34.763	41.435	2.580	0.62	2957
3200	2.898	34.937	6.03	2.628	27.869	34.781	41.460	2.673	0.61	3152
3400	2.729	34.927	6.10	2.442	27.877	34.796	41.483	2.764	0.68	3348
3600	2.550	34.917	6.12	2.246	27.885	34.813	41.508	2.852	0.58	3543
3800	2.452	34.910	6.13	2.127	27.889	34.822	41.522	2.940	0.49	3738
4000	2.370	34.903	6.13	2.025	27.892	34.829	41.533	3.028	0.38	3933
4200	2.332	34.899	6.08	1.965	27.893	34.833	41.539	3.116	0.34	4128
4400	2.308	34.895	6.07	1.918	27.894	34.835	41.544	3.206	0.28	4323
4600	2.293	34.891	6.05	1.880	27.894	34.837	41.547	3.297	0.24	4517
4800	2.296	34.889	6.06	1.858	27.894	34.838	41.549	3.390	0.20	4712
5000	2.299	34.886	6.04	1.836	27.894	34.839	41.550	3.485	0.19	4906
5085	2.304	34.886	5.99	1.831	27.894	34.839	41.551	3.526	0.15	4988

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
5	18.659	36.535	5.42	0.1	0.03	0.1	18.658	26.284	38.854	5
400	18.022	36.486	5.01	1.4	0.21	3.9	17.952	26.424	39.029	397
599	16.636	36.277	4.42	3.0	0.51	9.0	16.537	26.606	39.284	595
800	12.733	35.648	3.78	8.4	1.14	18.4	12.622	26.972	39.871	794
1001	8.159	35.146	3.80	13.7	1.49	23.2	8.051	27.381	40.573	993
1199	6.008	35.102	4.93	12.9	1.34	20.4	5.896	27.647	40.988	1189
1399	4.978	35.040	5.53	12.2	1.27	19.2	4.857	27.724	41.142	1387
1597	4.463	35.004	5.84	11.9	1.24	18.4	4.328	27.754	41.213	1582
1804	4.231	34.998	5.94	12.3	1.23	18.4	4.079	27.776	41.254	1786
1999	4.050	34.994	5.99	12.9	1.23	18.3	3.882	27.794	41.286	1978
2303	3.797	34.991	5.99	14.9	1.24	18.4	3.603	27.820	41.334	2278
2603	3.472	34.974	6.06	17.0	1.25	18.4	3.252	27.841	41.382	2573
2802	3.267	34.962	6.07	18.6	1.25	18.5	3.031	27.852	41.411	2769
3004	3.098	34.953	6.08	20.0	1.26	18.3	2.845	27.862	41.436	2966
3203	2.913	34.940	6.12	21.2	1.25	18.4	2.643	27.870	41.460	3161
3399	2.733	34.929	6.16	21.9	1.25	18.1	2.446	27.878	41.484	3353
3605	2.573	34.922	6.16	23.4	1.26	18.1	2.267	27.887	41.508	3555
3803	2.457	34.912	6.18	25.1	1.26	18.2	2.132	27.891	41.523	3748
3998	2.381	34.915	6.16	27.4	1.28	18.4	2.036	27.901	41.540	3939
4208	2.346	34.901	6.12	28.8	1.30	18.7	1.978	27.894	41.539	4144
4508	2.308	34.896	6.11	31.7	1.32	19.1	1.906	27.896	41.547	4436
4995	2.307	34.890	6.04	34.9	1.35	19.4	1.845	27.896	41.552	4910
5098	2.315	34.889	6.03	34.9	1.35	19.5	1.839	27.896	41.552	5010

ENDEAVOR 129 STA= 65 LAT= 37 19.9N LON= 63 0.1W SONIC DEPTH= 5045m
 DATE 23/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	18.987	36.534	5.16	18.987	26.198	32.580	38.754	0.005	-2.25	3
25	19.022	36.522	5.35	19.017	26.182	32.563	38.736	0.046	-0.10	25
50	19.011	36.524	5.41	19.002	26.188	32.569	38.743	0.092	1.76	50
75	18.737	36.545	5.17	18.723	26.275	32.663	38.843	0.137	3.74	74
100	18.539	36.546	5.11	18.521	26.326	32.719	38.903	0.180	1.50	99
150	18.435	36.535	4.99	18.409	26.347	32.742	38.929	0.266	0.86	149
200	18.384	36.533	5.12	18.349	26.360	32.758	38.946	0.353	1.07	198
250	18.314	36.522	4.98	18.270	26.372	32.771	38.961	0.440	0.81	248
300	18.244	36.514	4.99	18.191	26.386	32.787	38.979	0.527	0.88	298
350	18.194	36.513	5.04	18.132	26.399	32.802	38.995	0.614	1.08	347
400	18.059	36.497	4.87	17.989	26.423	32.829	39.026	0.702	1.26	397
450	17.862	36.467	4.62	17.783	26.451	32.863	39.065	0.789	1.62	446
500	17.609	36.435	4.48	17.523	26.491	32.909	39.117	0.876	1.71	496
600	16.583	36.265	4.34	16.484	26.609	33.055	39.290	1.044	2.23	595
700	14.717	35.951	3.86	14.610	26.792	33.291	39.576	1.200	2.70	694
800	12.733	35.644	3.63	12.621	26.969	33.527	39.869	1.339	2.59	793
900	10.199	35.308	3.29	10.089	27.178	33.817	40.235	1.460	2.74	891
1000	8.513	35.162	3.53	8.402	27.340	34.035	40.508	1.561	2.68	990
1200	5.987	35.060	4.80	5.875	27.616	34.401	40.960	1.713	1.86	1188
1400	5.032	35.045	5.54	4.910	27.721	34.543	41.136	1.828	1.07	1385
1600	4.421	34.995	5.86	4.287	27.752	34.597	41.213	1.933	0.77	1582
1800	4.220	34.992	5.91	4.068	27.772	34.626	41.251	2.036	0.70	1779
2000	4.040	34.986	5.95	3.872	27.788	34.650	41.282	2.137	0.66	1976
2200	3.848	34.983	5.96	3.663	27.808	34.677	41.317	2.237	0.70	2172
2400	3.673	34.981	5.94	3.471	27.825	34.702	41.349	2.335	0.62	2369
2600	3.475	34.971	5.98	3.256	27.838	34.724	41.379	2.432	0.64	2565
2800	3.284	34.961	6.00	3.048	27.850	34.744	41.407	2.528	0.63	2761
3000	3.130	34.952	6.04	2.877	27.858	34.760	41.430	2.622	0.64	2957
3200	2.932	34.941	6.08	2.662	27.868	34.779	41.457	2.715	0.69	3152
3400	2.749	34.930	6.13	2.462	27.878	34.796	41.483	2.806	0.60	3348
3600	2.598	34.921	6.15	2.292	27.884	34.810	41.503	2.896	0.58	3543
3800	2.471	34.913	6.13	2.146	27.890	34.822	41.521	2.984	0.52	3738
4000	2.376	34.906	6.16	2.031	27.894	34.830	41.534	3.072	0.44	3933
4200	2.325	34.900	6.12	1.958	27.895	34.835	41.542	3.160	0.36	4128
4400	2.303	34.897	6.11	1.914	27.896	34.837	41.546	3.249	0.26	4323
4600	2.287	34.893	6.08	1.874	27.896	34.839	41.549	3.340	0.27	4517
4800	2.285	34.890	6.03	1.848	27.895	34.840	41.551	3.432	0.17	4711
5000	2.296	34.888	6.03	1.834	27.896	34.841	41.552	3.527	0.13	4906
5131	2.308	34.888	6.05	1.828	27.895	34.841	41.553	3.590	0.13	5033

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
6	18.954	36.527	5.14	0.2	0.02	0.0	18.953	26.202	38.759	6
179	18.468	36.549	5.08	0.8	0.06	1.4	18.436	26.351	38.932	178
384	18.115	36.502	4.76	1.4	0.16	2.9	18.048	26.412	39.012	381
585	16.890	36.322	4.38	2.7	0.41	7.3	16.793	26.580	39.245	580
786	13.177	35.733	3.73	7.3	1.00	16.4	13.065	26.948	39.821	780
983	9.175	35.216	3.49	14.2	1.53	24.2	9.062	27.278	40.402	975
1183	6.022	35.069	4.71	13.3	1.35	20.8	5.911	27.619	40.960	1173
1382	5.099	35.055	5.42	12.3	1.25	19.0	4.978	27.722	41.131	1370
1584	4.470	35.004		12.0	1.21	18.3	4.337	27.753	41.211	1570
1783	4.223	34.991		12.2	1.20	18.6	4.074	27.771	41.249	1765
1984	4.054	34.994		12.9	1.20	18.5	3.887	27.793	41.286	1964
2234	3.847	34.992	5.94	14.3	1.21	18.2	3.659	27.815	41.325	2210
2485	3.630	34.986	5.93	16.2	1.21	18.4	3.420	27.834	41.362	2456
2734	3.392	34.972		17.9	1.22	18.4	3.160	27.848	41.397	2702
2986	3.184	34.959	6.02	19.5	1.22	18.6	2.931	27.859	41.426	2949
3237	2.941	34.941	6.07	20.6	1.22	18.3	2.666	27.868	41.457	3195
3479	2.724	34.933		22.0	1.22	18.2	2.428	27.883	41.490	3432
3736	2.541	34.917	6.14	24.2	1.23	18.3	2.222	27.887	41.512	3683
3989	2.395	34.908	6.08	27.0	1.24	18.6	2.051	27.894	41.533	3930
4236	2.332	34.902	6.09	29.2	1.26	18.7	1.962	27.896	41.542	4171
4492	2.307	34.902	6.03	30.9	1.28	19.2	1.907	27.901	41.551	4421
4743	2.293	34.892	6.04	33.2	1.32	19.4	1.863	27.896	41.550	4665
4999	2.305	34.893	6.03	35.0	1.32	19.6	1.842	27.899	41.555	4914
5137	2.317	34.889	5.93	34.7	1.33	19.5	1.836	27.896	41.552	5048

ENDEAVOR 129 STA= 66
DATE 24/ 4/85

LAT= 37 39.9N LON= 63 0.1W

SONIC DEPTH= 5045m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	19.398	36.553	5.21	19.398	26.107	32.479	38.644	0.006	-3.02	3
25	19.465	36.537	5.37	19.460	26.078	32.449	38.612	0.048	0.54	25
50	19.380	36.537	5.22	19.371	26.101	32.474	38.639	0.096	3.38	50
75	18.902	36.534	5.48	18.889	26.224	32.608	38.784	0.143	3.02	74
100	18.767	36.537	5.06	18.749	26.262	32.649	38.828	0.188	2.35	99
150	18.443	36.526	5.07	18.417	26.338	32.734	38.921	0.276	1.73	149
200	18.371	36.527	5.08	18.336	26.359	32.757	38.946	0.362	0.83	198
250	18.279	36.514	5.11	18.235	26.375	32.775	38.966	0.449	0.91	248
300	18.236	36.512	5.03	18.183	26.386	32.787	38.979	0.536	0.96	298
350	18.184	36.511	5.03	18.123	26.400	32.803	38.997	0.624	0.79	347
400	18.125	36.503	5.01	18.055	26.412	32.816	39.011	0.711	1.02	397
450	17.942	36.477	4.75	17.863	26.439	32.848	39.048	0.799	1.54	446
500	17.762	36.452	4.58	17.675	26.466	32.880	39.085	0.887	1.72	496
600	16.966	36.337	4.40	16.866	26.574	33.010	39.235	1.058	2.26	595
700	15.188	36.025	4.02	15.079	26.746	33.231	39.504	1.217	2.42	694
800	13.676	35.789	3.82	13.559	26.890	33.420	39.735	1.363	2.34	793
900	11.173	35.428	3.44	11.057	27.099	33.706	40.095	1.493	2.88	891
1000	8.969	35.196	3.51	8.855	27.295	33.975	40.434	1.601	2.92	990
1200	5.808	35.054	4.88	5.698	27.634	34.426	40.991	1.755	1.88	1188
1400	4.904	35.027	5.58	4.783	27.722	34.548	41.146	1.868	1.04	1385
1600	4.468	35.007	5.87	4.333	27.756	34.600	41.214	1.972	0.76	1582
1800	4.164	34.987	5.98	4.013	27.775	34.631	41.258	2.074	0.72	1779
2000	3.997	34.983	6.02	3.830	27.790	34.654	41.287	2.174	0.60	1976
2200	3.856	34.983	6.04	3.671	27.807	34.676	41.316	2.274	0.65	2172
2400	3.659	34.978	6.04	3.457	27.824	34.702	41.349	2.373	0.68	2369
2600	3.470	34.972	6.02	3.251	27.839	34.725	41.381	2.470	0.68	2565
2800	3.289	34.962	6.01	3.053	27.850	34.744	41.407	2.565	0.65	2761
3000	3.121	34.952	6.04	2.868	27.859	34.761	41.432	2.660	0.62	2957
3200	2.943	34.942	6.09	2.672	27.868	34.778	41.456	2.753	0.65	3152
3400	2.757	34.930	6.13	2.469	27.877	34.795	41.481	2.844	0.61	3348
3600	2.615	34.921	6.15	2.308	27.884	34.809	41.501	2.934	0.59	3543
3800	2.485	34.913	6.15	2.159	27.889	34.821	41.519	3.023	0.53	3738
4000	2.399	34.907	6.14	2.054	27.893	34.829	41.532	3.111	0.43	3933
4200	2.343	34.902	6.12	1.976	27.895	34.834	41.540	3.199	0.36	4128
4400	2.315	34.897	6.11	1.925	27.895	34.836	41.544	3.289	0.30	4323
4600	2.298	34.893	6.09	1.885	27.896	34.838	41.548	3.380	0.27	4517
4800	2.299	34.891	6.06	1.862	27.895	34.839	41.550	3.473	0.14	4711
5000	2.301	34.889	6.06	1.838	27.895	34.840	41.552	3.568	0.24	4905
5129	2.301	34.887	6.04	1.822	27.895	34.841	41.553	3.630	0.19	5030

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
17	19.521	36.541	5.23	0.4	0.03	0.1	19.518	26.066	38.597	17
182	18.349	36.525	5.00	0.9	0.11	2.3	18.317	26.362	38.949	181
382	18.160	36.511	5.00	1.0	0.12	2.4	18.094	26.408	39.006	379
583	17.118	36.362	4.45	2.2	0.39	6.9	17.019	26.557	39.209	579
781	13.897	35.823	3.86	6.0	0.91	14.9	13.781	26.870	39.702	775
981	9.387	35.231	3.47	13.6	1.53	24.0	9.273	27.255	40.366	973
1182	6.202	35.081	4.79	13.3	1.39	21.2	6.090	27.605	40.933	1172
1386	4.943	35.025	5.52	12.3	1.27	19.2	4.823	27.716	41.137	1374
1581	4.553	35.023	5.77	12.1	1.23	18.5	4.419	27.760	41.211	1566
1782	4.206	34.993	5.93	12.1	1.22	18.3	4.057	27.775	41.254	1764
1982	4.007	34.986	6.01	12.8	1.22	18.1	3.841	27.792	41.288	1962
2183	3.872	34.988	6.02	13.7	1.22	18.2	3.688	27.809	41.316	2159
2384	3.705	34.983	6.00	15.0	1.23	18.3	3.503	27.823	41.345	2358
2682	3.416	34.970	6.04	17.5	1.25	18.4	3.189	27.844	41.390	2650
2984	3.151	34.954	6.06	19.8	1.25	18.6	2.899	27.858	41.428	2947
3287	2.888	34.939	6.11	21.1	1.25	18.5	2.609	27.872	41.465	3243
3591	2.643	34.927	6.11	23.0	1.25	18.2	2.337	27.886	41.501	3541
3885	2.460	34.912	6.18	25.6	1.27	18.4	2.126	27.891	41.523	3828
4190	2.359	34.908	6.14	28.7	1.29	18.7	1.993	27.899	41.542	4126
4403	2.325	34.899	6.12	30.1	1.31	19.0	1.935	27.896	41.544	4333
4604	2.308	34.903	6.10	31.9	1.32	19.2	1.894	27.902	41.554	4530
4805	2.308	34.899	6.03	33.0	1.34	19.3	1.869	27.901	41.555	4725
5039	2.309	34.891	6.04	34.2	1.35	19.4	1.841	27.897	41.553	4953
5139	2.310	34.892	5.96	35.1	1.36	19.5	1.830	27.899	41.556	5050

ENDEAVOR 129 STA= 67
DATE 24/ 4/85

LAT= 37 59.8N LON= 63 0.0W

SONIC DEPTH= 5050m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	19.006	36.551	5.31	19.005	26.207	32.588	38.761	0.005	-2.21	3
25	19.047	36.541	5.49	19.043	26.190	32.570	38.743	0.045	-0.41	25
50	19.022	36.540	5.38	19.013	26.197	32.578	38.751	0.091	1.97	50
75	18.811	36.530	5.43	18.798	26.244	32.631	38.809	0.136	2.61	74
100	18.605	36.534	5.03	18.587	26.301	32.693	38.875	0.181	1.91	99
150	18.423	36.529	5.16	18.397	26.345	32.741	38.928	0.267	1.35	149
200	18.339	36.525	5.05	18.304	26.366	32.764	38.953	0.354	1.03	198
250	18.246	36.517	4.99	18.202	26.385	32.786	38.978	0.440	1.01	248
300	18.190	36.510	5.07	18.138	26.396	32.799	38.992	0.527	0.87	298
350	18.109	36.495	5.25	18.048	26.407	32.812	39.007	0.614	0.99	347
400	18.001	36.486	4.84	17.931	26.429	32.837	39.035	0.701	1.19	397
450	17.783	36.460	4.58	17.705	26.465	32.878	39.082	0.788	1.74	446
500	17.466	36.418	4.45	17.380	26.512	32.934	39.146	0.874	1.79	496
600	16.476	36.252	4.32	16.377	26.624	33.073	39.311	1.040	2.31	595
700	15.038	36.007	3.98	14.930	26.765	33.255	39.531	1.196	2.29	694
800	12.857	35.670	3.75	12.745	26.964	33.518	39.856	1.337	2.64	792
900	10.638	35.370	3.44	10.525	27.149	33.774	40.179	1.461	2.74	891
1000	8.492	35.167	3.67	8.382	27.347	34.043	40.517	1.564	2.95	990
1200	5.534	35.043	5.07	5.427	27.658	34.460	41.035	1.708	1.71	1188
1400	4.666	35.007	5.72	4.548	27.733	34.568	41.175	1.817	1.02	1385
1600	4.360	34.997	5.92	4.226	27.760	34.607	41.226	1.919	0.71	1582
1800	4.137	34.991	6.00	3.987	27.780	34.637	41.265	2.020	0.71	1779
2000	3.950	34.986	6.01	3.783	27.798	34.663	41.298	2.118	0.61	1976
2200	3.772	34.984	6.04	3.588	27.816	34.688	41.331	2.216	0.72	2172
2400	3.591	34.979	6.03	3.390	27.831	34.712	41.362	2.313	0.62	2368
2600	3.432	34.972	6.03	3.214	27.843	34.731	41.388	2.408	0.57	2565
2800	3.288	34.965	6.05	3.052	27.852	34.747	41.410	2.503	0.53	2761
3000	3.185	34.959	6.08	2.930	27.859	34.758	41.426	2.597	0.53	2957
3200	3.039	34.950	6.09	2.766	27.866	34.773	41.447	2.692	0.61	3152
3400	2.868	34.939	6.10	2.577	27.875	34.789	41.470	2.786	0.67	3348
3600	2.685	34.929	6.15	2.377	27.884	34.806	41.495	2.877	0.63	3543
3800	2.571	34.921	6.17	2.244	27.889	34.816	41.511	2.967	0.52	3738
4000	2.437	34.912	6.16	2.090	27.894	34.829	41.530	3.057	0.55	3933
4200	2.350	34.905	6.15	1.983	27.897	34.836	41.541	3.145	0.42	4128
4400	2.323	34.900	6.15	1.933	27.897	34.838	41.546	3.235	0.30	4322
4600	2.299	34.896	6.12	1.886	27.898	34.841	41.550	3.325	0.27	4517
4800	2.298	34.894	6.09	1.860	27.898	34.842	41.552	3.418	0.15	4711
5000	2.310	34.892	6.09	1.847	27.898	34.842	41.553	3.513	0.17	4905
5059	2.310	34.892	6.07	1.840	27.898	34.843	41.554	3.541	0.20	4962

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
6	19.026	36.538	5.26	0.0	0.03	0.2	19.025	26.192	38.746	5
184	18.375	36.530		0.7	0.10	1.8	18.343	26.360	38.945	183
383	18.089	36.489	5.05	1.0	0.14	2.6	18.022	26.409	39.010	381
587	16.715	36.292	4.42	2.6	0.46	7.9	16.617	26.599	39.272	583
783	13.316	35.737	4.08	5.8	0.89	14.6	13.203	26.923	39.789	778
983	9.176	35.211	3.54	13.8	1.54	24.3	9.063	27.274	40.398	975
1180	5.960	35.078	4.91	12.7	1.35	20.6	5.851	27.634	40.979	1171
1383	4.841	35.017	5.60	12.0	1.27	19.2	4.723	27.721	41.150	1371
1582	4.383	34.995	5.81	11.7	1.23	18.4	4.251	27.756	41.220	1567
1785	4.197	34.995	5.94	12.2	1.22	18.2	4.047	27.777	41.257	1767
1984	3.977	34.988	6.03	12.9	1.21	18.2	3.812	27.796	41.294	1964
2239	3.780	34.982	6.03	13.9	1.22	18.1	3.592	27.814	41.329	2214
2484	3.594	34.978	5.99	15.5	1.23	18.2	3.384	27.831	41.362	2456
2737	3.409		6.06	17.4	1.25	18.4				2704
2987	3.238	34.959	6.07	18.9	1.24	18.4	2.983	27.854	41.417	2949
3236	3.044	34.948	6.10	20.4	1.24	18.4	2.767	27.865	41.445	3194
3490	2.822	34.935	6.10	21.2	1.24	18.2	2.523	27.876	41.476	3442
3742	2.646	34.929	6.19	22.8	1.25	18.2	2.323	27.888	41.505	3689
3990	2.467	34.911	6.14	25.6	1.27	18.4	2.121	27.891	41.524	3931
4238	2.362	34.905	6.15	28.4	1.29	18.7	1.990	27.896	41.540	4173
4492	2.316	34.896	6.10	30.8	1.31	19.1	1.916	27.895	41.545	4420
4741	2.306	34.893		32.8	1.33	19.4	1.875	27.896	41.549	4663
4992	2.319	34.890	6.04	33.8	1.34	19.5	1.857	27.895	41.550	4908
5071	2.320	34.893	6.04	34.5	1.34	19.6	1.848	27.898	41.554	4984

ENDEAVOR 129 STA= 68 LAT= 38 20.2N LON= 62 58.7W SONIC DEPTH= 3666m
 DATE 24/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	19.045	36.543	5.71	19.044	26.191	32.572	38.744	0.005	-1.37	3
25	19.059	36.538	5.42	19.054	26.184	32.565	38.737	0.046	-0.09	25
50	18.877	36.534	5.36	18.868	26.229	32.614	38.790	0.091	4.09	50
75	18.496	36.533	5.20	18.483	26.326	32.720	38.905	0.135	1.79	74
100	18.454	36.532	5.13	18.437	26.338	32.733	38.919	0.178	1.33	99
150	18.377	36.532	5.02	18.351	26.359	32.756	38.944	0.263	1.03	149
200	18.325	36.527	5.10	18.290	26.371	32.770	38.959	0.349	0.74	198
250	18.252	36.520	5.05	18.208	26.386	32.787	38.978	0.436	1.16	248
300	18.168	36.512	4.95	18.115	26.403	32.806	39.000	0.522	0.83	298
350	18.044	36.495	4.95	17.983	26.423	32.830	39.027	0.609	1.41	347
400	17.757	36.437	4.93	17.688	26.451	32.865	39.070	0.695	1.66	397
450	17.417	36.413	4.44	17.340	26.518	32.941	39.154	0.780	1.91	446
500	17.000	36.347	4.36	16.916	26.569	33.004	39.227	0.862	1.82	496
600	15.842	36.137	4.20	15.746	26.682	33.148	39.403	1.023	2.20	595
700	14.560	35.930	3.96	14.454	26.810	33.313	39.603	1.173	2.40	694
800	12.181	35.566	3.42	12.072	27.016	33.591	39.949	1.308	2.60	792
900	10.037	35.292	3.36	9.928	27.193	33.837	40.261	1.425	2.78	891
1000	8.011	35.140	3.75	7.905	27.399	34.112	40.601	1.522	2.74	990
1200	5.605	35.053	5.06	5.497	27.658	34.457	41.029	1.659	1.45	1188
1400	4.718	35.012	5.67	4.600	27.731	34.564	41.169	1.771	1.16	1385
1600	4.282	34.987	5.89	4.150	27.760	34.611	41.232	1.872	0.64	1582
1800	4.202	34.985	5.91	4.051	27.769	34.624	41.249	1.973	0.53	1779
2000	3.953	34.985	5.99	3.786	27.797	34.662	41.297	2.074	0.79	1976
2200	3.841	34.986	5.95	3.656	27.811	34.681	41.321	2.173	0.57	2172
2400	3.585	34.978	6.00	3.385	27.831	34.712	41.362	2.270	0.65	2368
2600	3.513	34.973	5.98	3.293	27.836	34.721	41.375	2.367	0.54	2565
2800	3.329	34.966	6.00	3.092	27.849	34.742	41.404	2.463	0.54	2761
3000	3.266	34.961	5.99	3.010	27.853	34.749	41.414	2.559	0.66	2956
3200	2.960	34.943	6.07	2.689	27.868	34.777	41.455	2.654	0.73	3152
3400	2.787	34.933	6.11	2.498	27.877	34.794	41.479	2.745	0.52	3348
3485	2.645	34.926	6.10	2.351	27.884	34.807	41.498	2.783	0.95	3431

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
16	18.862	36.534	5.33	0.0	0.02	0.0	18.859	26.232	38.793	16
82	18.736	36.533	5.34	0.0	0.03	0.1	18.722	26.266	38.834	82
184	18.352	36.531	5.06	0.8	0.09	2.0	18.320	26.366	38.953	183
282	18.236	36.518	5.00	0.9	0.11	2.3	18.187	26.390	38.983	280
383	17.996	36.486	4.79	1.3	0.19	3.5	17.930	26.429	39.035	381
489	17.271	36.395	4.45	2.2	0.35	6.6	17.188	26.541	39.185	486
582	16.187	36.193	4.21	3.2	0.53	9.4	16.092	26.645	39.347	578
683	14.742	35.962	4.08	4.9	0.74	12.4	14.638	26.794	39.577	678
783	12.808	35.631	3.51	8.6	1.14	18.9	12.698	26.943	39.839	777
883	10.622	35.335	3.43	12.4	1.43	23.0	10.511	27.125	40.156	876
983	8.266	35.143	3.72	15.8	1.54	24.5	8.160	27.362	40.547	975
1184	5.571	35.049	5.06	13.1	1.33	20.6	5.465	27.659	41.032	1174
1377	4.822	35.014	5.60	12.2	1.25	19.3	4.704	27.721	41.151	1365
1580	4.375	34.988	5.86	12.0	1.22	18.6	4.243	27.751	41.216	1565
1780	4.189	34.986	5.99	12.3	1.21	18.4	4.041	27.771	41.252	1763
1986	3.967	34.982	6.02	13.0	1.21	18.3	3.802	27.793	41.292	1966
2187	3.868	34.986	6.03	13.9	1.21	18.3	3.684	27.808	41.316	2164
2384	3.642	34.979	6.02	15.6	1.22	18.4	3.442	27.826	41.353	2358
2575	3.537	34.977	6.06	16.6	1.23	18.4	3.319	27.837	41.373	2545
2769	3.370	34.966	6.10	18.1	1.24	18.5	3.136	27.845	41.396	2736
2984	3.254	34.959	6.06	18.3	1.23	18.4	2.999	27.853	41.414	2946
3195	3.008	34.944	6.09	19.2	1.22	18.1	2.737	27.864	41.447	3154
3385	2.824	34.934	6.12	20.6	1.22	18.0	2.536	27.874	41.473	3340
3490	2.654	34.919	6.15	22.3	1.23	18.0	2.359	27.877	41.491	3442

ENDEAVOR 129 STA= 69
DATE 25/ 4/85

LAT= 38 31.6N LON= 62 59.3W

SONIC DEPTH= 4200m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	18.654	33.047	5.96	18.654	23.617	30.040	36.252	0.004	24.95	1
25	18.923	36.535	5.40	18.919	26.217	32.601	38.776	0.054	-0.59	25
50	18.930	36.535	5.36	18.921	26.216	32.600	38.775	0.099	0.52	50
75	18.612	36.537	5.38	18.599	26.300	32.691	38.874	0.144	4.08	74
100	18.392	36.529	5.21	18.375	26.351	32.747	38.935	0.187	1.55	99
150	18.240	36.514	5.10	18.214	26.380	32.780	38.972	0.271	1.34	149
200	18.134	36.500	5.10	18.099	26.398	32.802	38.996	0.356	1.03	198
250	18.027	36.481	5.08	17.984	26.412	32.819	39.016	0.441	0.94	248
300	17.869	36.453	5.13	17.817	26.432	32.843	39.044	0.526	1.13	298
350	17.685	36.419	5.04	17.625	26.453	32.869	39.075	0.611	1.15	347
400	17.575	36.411	4.77	17.506	26.476	32.895	39.104	0.696	1.63	397
450	17.301	36.393	4.44	17.225	26.531	32.957	39.173	0.780	1.82	446
500	16.836	36.317	4.40	16.753	26.585	33.024	39.252	0.862	1.89	496
600	15.473	36.071	4.13	15.378	26.714	33.191	39.455	1.020	2.35	595
700	13.725	35.796	3.84	13.623	26.883	33.411	39.724	1.165	2.49	694
800	11.383	35.461	3.49	11.279	27.084	33.684	40.066	1.293	2.90	792
900	8.894	35.191	3.52	8.793	27.301	33.984	40.444	1.400	3.14	891
1000	7.202	35.100	4.15	7.101	27.484	34.225	40.741	1.483	2.18	990
1200	5.645	35.057	5.08	5.536	27.656	34.454	41.024	1.615	1.37	1188
1400	4.821	35.018	5.61	4.701	27.724	34.554	41.155	1.726	0.94	1385
1600	4.508	35.009	5.81	4.373	27.753	34.595	41.208	1.831	0.70	1582
1800	4.297	34.996	5.93	4.145	27.768	34.619	41.240	1.934	0.63	1779
2000	4.076	34.984	5.98	3.907	27.783	34.643	41.274	2.036	0.57	1975
2200	3.826	34.976	6.04	3.641	27.804	34.675	41.315	2.138	0.74	2172
2400	3.612	34.972	6.02	3.411	27.824	34.704	41.353	2.237	0.71	2368
2600	3.393	34.963	6.04	3.176	27.840	34.729	41.387	2.332	0.61	2565
2800	3.172	34.954	6.08	2.939	27.854	34.753	41.420	2.427	0.86	2761
3000	2.842	34.936	6.13	2.594	27.871	34.784	41.465	2.517	0.66	2956
3200	2.668	34.927	6.15	2.404	27.880	34.801	41.489	2.604	0.80	3152
3400	2.480	34.917	6.16	2.199	27.889	34.818	41.515	2.689	0.63	3347
3600	2.374	34.909	6.14	2.073	27.893	34.828	41.530	2.772	0.31	3543
3800	2.372	34.907	6.15	2.050	27.894	34.829	41.532	2.857	0.33	3738
4000	2.345	34.904	6.14	2.001	27.895	34.833	41.538	2.943	0.22	3933
4153	2.352	34.904	6.14	1.991	27.895	34.834	41.539	3.010	0.10	4082

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
4	18.809	36.540	5.41	0.0	0.03	0.1	18.808	26.249	38.813	4
83	18.424	36.526	5.08	0.7	0.09	1.9	18.409	26.340	38.922	83
181	18.096	36.504	5.10	0.7	0.11	2.2	18.065	26.409	39.009	180
282	17.762	36.428	5.11	1.0	0.16	2.9	17.713	26.438	39.056	280
386	17.590	36.418	4.72	1.6	0.26	4.7	17.524	26.477	39.104	383
585	15.405	36.073	4.16	3.9	0.65	10.8	15.313	26.731	39.475	580
782	11.768	35.518	3.53	9.5	1.26	19.9	11.665	27.056	40.014	776
984	7.722	35.152	4.03	14.1	1.51	23.3	7.620	27.450	40.671	976
1182	5.709	35.062	5.03	12.8	1.35	20.4	5.601	27.652	41.016	1172
1383	4.896	35.025	5.58	11.9	1.27	19.1	4.777	27.721	41.146	1371
1584	4.555	35.013	5.80	11.7	1.24	18.5	4.421	27.751	41.203	1569
1785	4.341	35.008	5.92	11.7	1.22	18.3	4.190	27.773	41.241	1767
1984	4.088	34.981		12.1	1.22	18.1	3.921	27.779	41.269	1964
2184	3.872	34.978		13.2	1.22	18.1	3.689	27.801	41.309	2160
2383	3.659	34.976	6.03	14.4	1.22	18.2	3.459	27.822	41.348	2357
2586	3.438	34.968	6.08	16.3	1.23	18.2	3.221	27.839	41.383	2556
2786	3.150	34.956	6.10	18.1	1.24	18.2	2.918	27.858	41.426	2752
2987	2.881	34.940	6.16	19.7	1.24	18.1	2.634	27.870	41.461	2949
3188	2.694	34.929	6.18	20.8	1.23	18.0	2.431	27.879	41.487	3146
3387	2.516	34.918	6.19	22.7	1.24	18.1	2.235	27.887	41.510	3342
3554	2.404	34.911	6.16	24.9	1.26	18.3	2.108	27.892	41.526	3505
3790	2.377		6.16	26.1	1.27	18.4				3735
3988	2.352	34.904	6.17	26.8	1.29	18.4	2.010	27.894	41.536	3929
4166	2.362	34.905	6.19	27.5	1.28	18.5	1.999	27.896	41.539	4103

ENDEAVOR 129 STA= 70
DATE 25/ 4/85

LAT= 38 39.9N LON= 63 0.0W

SONIC DEPTH= 4819m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	18.556	36.555	5.75	18.556	26.325	32.717	38.900	0.005	-2.39	3
25	18.597	36.542	5.62	18.592	26.306	32.697	38.880	0.043	-0.28	25
50	18.594	36.542	5.51	18.586	26.307	32.699	38.881	0.086	0.65	50
75	18.373	36.527	5.78	18.359	26.353	32.750	38.938	0.129	3.07	74
100	18.190	36.507	5.57	18.173	26.384	32.786	38.979	0.171	1.35	99
150	18.052	36.492	5.16	18.026	26.410	32.816	39.012	0.254	1.18	149
200	17.822	36.451	5.09	17.788	26.437	32.849	39.051	0.337	1.31	198
250	17.673	36.417	5.27	17.630	26.450	32.866	39.072	0.420	0.81	248
300	17.547	36.385	5.28	17.496	26.458	32.878	39.087	0.503	0.59	298
350	17.598	36.429	4.63	17.538	26.482	32.900	39.108	0.587	1.68	347
400	17.243	36.379	4.43	17.175	26.532	32.960	39.177	0.670	1.83	397
450	16.666	36.282	4.34	16.591	26.597	33.040	39.273	0.751	2.16	446
500	16.106	36.184	4.28	16.025	26.654	33.113	39.360	0.830	2.26	496
600	14.505	35.917	4.04	14.414	26.808	33.312	39.603	0.978	2.25	595
700	12.809	35.660	3.72	12.712	26.963	33.518	39.857	1.114	2.44	694
800	10.537	35.347	3.36	10.438	27.147	33.775	40.182	1.234	2.53	792
900	8.484	35.150	3.55	8.385	27.333	34.030	40.503	1.335	2.67	891
1000	7.035	35.095	4.19	6.936	27.503	34.250	40.772	1.418	2.28	990
1200	5.399	35.059	5.23	5.293	27.688	34.494	41.074	1.544	1.32	1188
1400	4.657	35.000	5.67	4.539	27.728	34.564	41.171	1.652	0.84	1385
1600	4.323	34.980	5.93	4.190	27.750	34.600	41.220	1.756	0.71	1582
1800	4.183	34.979	6.01	4.032	27.766	34.622	41.248	1.858	0.61	1779
2000	3.957	34.976	6.04	3.790	27.789	34.654	41.289	1.959	0.71	1975
2200	3.799	34.981	6.06	3.615	27.810	34.682	41.324	2.058	0.59	2172
2400	3.591	34.975	6.00	3.390	27.828	34.709	41.359	2.156	0.72	2368
2600	3.349	34.961	6.07	3.132	27.842	34.733	41.393	2.251	0.69	2565
2800	3.167	34.951	6.10	2.933	27.852	34.752	41.420	2.344	0.58	2761
3000	2.989	34.942	6.14	2.739	27.862	34.770	41.445	2.436	0.72	2956
3200	2.773	34.931	6.15	2.506	27.874	34.791	41.476	2.526	0.63	3152
3400	2.608	34.922	6.18	2.324	27.883	34.807	41.499	2.614	0.62	3347
3600	2.462	34.913	6.18	2.160	27.889	34.820	41.519	2.700	0.52	3543
3800	2.370	34.906	6.17	2.048	27.893	34.829	41.532	2.785	0.49	3738
4000	2.305	34.901	6.15	1.962	27.895	34.835	41.541	2.871	0.36	3933
4200	2.277	34.897	6.18	1.912	27.896	34.838	41.546	2.958	0.27	4128
4400	2.272	34.894	6.15	1.884	27.896	34.839	41.549	3.046	0.25	4322
4600	2.261	34.891	6.13	1.849	27.896	34.841	41.552	3.136	0.25	4517
4800	2.266	34.889	6.12	1.829	27.897	34.842	41.554	3.228	0.27	4711
4893	2.264	34.889	6.11	1.816	27.897	34.843	41.555	3.271	0.17	4801

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
13	18.431	36.541	5.31	0.0	0.03	0.3	18.428	26.347	38.928	13
183	17.839	36.453	5.17	0.6	0.11	2.1	17.807	26.434	39.047	182
387	17.496	36.411	4.62	1.8	0.29	5.2	17.429	26.495	39.126	385
583	15.045	36.012	4.17	4.2	0.69	11.5	14.955	26.763	39.528	579
786	11.321	35.466	3.45	10.3	1.31	21.2	11.220	27.099	40.084	780
983	7.709	35.120	3.97	14.2	1.52	23.7	7.606	27.427	40.649	975
1185	5.595	35.068	5.09	12.6	1.33	20.4	5.488	27.671	41.042	1175
1384	4.637	35.000		11.6	1.24	18.9	4.521	27.730	41.174	1372
1574	4.390	34.984	5.91	11.4	1.22	18.5	4.258	27.746	41.210	1559
1785	4.198	34.982	5.99	11.8	1.21	18.4	4.048	27.767	41.247	1768
1981	4.006	34.979		12.5	1.21	18.3	3.840	27.786	41.282	1961
2282	3.747	34.977	6.07	14.0	1.21	18.3	3.555	27.813	41.331	2258
2584	3.369	34.963	6.06	16.6	1.22	18.4	3.153	27.841	41.391	2554
2882	3.110	34.952	6.04	18.1	1.22	18.3	2.869	27.859	41.431	2846
3184	2.784	34.934	6.19	20.4	1.23	18.3	2.518	27.876	41.476	3142
3386	2.618	34.923	6.22	21.7	1.22	18.2	2.335	27.883	41.498	3341
3588	2.476	34.915	6.23	23.0	1.23	18.2	2.174	27.890	41.518	3538
3787	2.376	34.908	6.19	25.5	1.25	18.4	2.055	27.894	41.532	3733
3985	2.309	34.902	6.18	27.3	1.26	18.7	1.967	27.896	41.541	3927
4190	2.286	34.898	6.15	28.5	1.27	18.9	1.922	27.896	41.546	4126
4388	2.278	34.895	6.06	29.5	1.28	19.0	1.891	27.896	41.548	4319
4587	2.270	34.892	6.08	31.3	1.31	19.3	1.860	27.896	41.551	4513
4802	2.278	34.891	6.10	32.2	1.32	19.3	1.841	27.897	41.553	4722
4906	2.273	34.890	6.22	32.4	1.31	19.3	1.823	27.898	41.555	4824

ENDEAVOR 129 STA= 71
DATE 25/ 4/85

LAT= 38 50.0N LON= 62 59.8W

SONIC DEPTH= 4829m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	18.308	36.527	5.62	18.308	26.366	32.764	38.953	0.005	-2.46	3
25	18.346	36.511	5.44	18.342	26.345	32.743	38.932	0.042	-0.73	25
50	18.351	36.510	5.57	18.343	26.344	32.742	38.931	0.084	0.60	50
75	18.070	36.481	5.44	18.057	26.394	32.798	38.994	0.126	2.32	74
100	17.979	36.465	5.52	17.961	26.405	32.813	39.010	0.167	1.14	99
150	17.796	36.440	5.25	17.770	26.433	32.846	39.048	0.249	1.36	149
200	17.592	36.397	5.12	17.558	26.453	32.871	39.078	0.331	0.93	198
250	17.532	36.384	5.19	17.490	26.460	32.879	39.089	0.414	0.46	248
300	17.513	36.380	5.16	17.462	26.463	32.883	39.094	0.497	0.68	298
350	17.373	36.384	4.76	17.314	26.502	32.926	39.140	0.580	2.13	347
400	16.946	36.331	4.42	16.879	26.566	33.001	39.226	0.662	2.15	397
450	16.382	36.237	4.27	16.309	26.629	33.080	39.319	0.741	2.02	446
500	15.627	36.097	4.19	15.548	26.696	33.168	39.428	0.817	2.34	496
600	14.033	35.843	3.94	13.945	26.851	33.370	39.674	0.962	2.43	595
700	11.731	35.505	3.56	11.639	27.051	33.639	40.010	1.090	2.70	694
800	9.699	35.254	3.37	9.605	27.218	33.873	40.307	1.201	2.62	792
900	7.735	35.120	3.82	7.642	27.422	34.144	40.642	1.293	2.85	891
1000	6.308	35.071	4.57	6.213	27.581	34.354	40.901	1.365	1.88	990
1200	5.060	35.028	5.42	4.956	27.703	34.523	41.114	1.482	1.20	1188
1400	4.459	34.986	5.82	4.342	27.738	34.582	41.196	1.586	0.80	1385
1600	4.230	34.979	5.95	4.098	27.759	34.612	41.236	1.686	0.64	1582
1800	3.994	34.976	6.02	3.846	27.783	34.646	41.279	1.786	0.76	1779
2000	3.829	34.974	6.06	3.664	27.801	34.671	41.310	1.883	0.64	1975
2200	3.659	34.973	6.03	3.477	27.818	34.696	41.343	1.979	0.65	2172
2400	3.486	34.967	6.05	3.287	27.832	34.717	41.371	2.074	0.69	2368
2600	3.316	34.961	6.06	3.100	27.845	34.737	41.398	2.168	0.58	2564
2800	3.128	34.951	6.08	2.895	27.856	34.757	41.426	2.261	0.66	2760
3000	2.980	34.943	6.10	2.730	27.864	34.772	41.448	2.352	0.61	2956
3200	2.776	34.931	6.18	2.509	27.874	34.791	41.475	2.441	0.65	3152
3400	2.606	34.923	6.18	2.321	27.883	34.808	41.500	2.529	0.58	3347
3600	2.501	34.916	6.18	2.197	27.888	34.818	41.515	2.616	0.56	3543
3800	2.380	34.908	6.17	2.058	27.893	34.829	41.532	2.702	0.43	3738
4000	2.329	34.903	6.16	1.985	27.895	34.834	41.539	2.788	0.40	3933
4200	2.292	34.898	6.17	1.926	27.896	34.837	41.545	2.875	0.27	4127
4400	2.292	34.897	6.16	1.903	27.897	34.839	41.548	2.963	0.20	4322
4600	2.301	34.895	6.14	1.888	27.896	34.839	41.549	3.054	0.20	4516
4695	2.304	34.895	6.14	1.879	27.897	34.840	41.550	3.098	0.22	4609

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
7	18.466	36.531	5.31	0.1	0.03	0.4	18.465	26.330	38.909	7
184	17.674	36.418	5.03	1.0	0.17	3.0	17.642	26.448	39.069	183
386	17.102	36.361	4.42	2.2	0.39	6.8	17.037	26.551	39.203	383
582	14.273	35.886	3.97	5.2	0.82	13.6	14.186	26.833	39.641	578
784	9.970	35.292	3.41	12.8	1.49	23.9	9.876	27.202	40.273	778
982	6.524	35.081	4.52	13.4	1.44	22.2	6.430	27.561	40.865	975
1180	5.155	35.037	5.34	12.2	1.29	19.8	5.053	27.699	41.103	1170
1382	4.504	34.989	5.77	11.7	1.23	18.7	4.389	27.736	41.190	1370
1583	4.271	34.982	5.95	11.7	1.22	18.4	4.140	27.757	41.230	1568
1783	4.010	34.979	6.00	12.3	1.22	18.3	3.863	27.784	41.278	1765
1982	3.876	34.982	6.00	13.2	1.22	18.4	3.712	27.802	41.307	1962
2185	3.698	34.975	5.97	14.1	1.23	18.4	3.516	27.816	41.337	2162
2381	3.493	34.970	6.07	15.7	1.23	18.4	3.296	27.833	41.372	2354
2586	3.352	34.964	6.07	16.8	1.24	18.4	3.137	27.844	41.394	2556
2789	3.155	34.955	6.10	18.1	1.24	18.4	2.923	27.856	41.424	2755
2988	3.004	34.945	6.08	19.3	1.24	18.4	2.754	27.864	41.445	2951
3167	2.837	34.940	6.19	18.5	1.21	17.9	2.572	27.876	41.472	3126
3489	2.585	34.921	6.22	22.3	1.24	18.2	2.292	27.885	41.503	3442
3735	2.425	34.913	6.16	25.1	1.26	18.5	2.109	27.893	41.527	3682
3986	2.345	34.914	6.15	27.0	1.27	18.7	2.002	27.903	41.545	3927
4191	2.307	34.905	6.14	28.4	1.29	18.9	1.943	27.900	41.548	4127
4391	2.299	34.897		29.7	1.30	19.1	1.911	27.896	41.547	4322
4590	2.308	34.896	6.14	30.1	1.31	19.2	1.896	27.897	41.548	4516
4708	2.313	34.897	6.12	30.8	1.31	19.3	1.887	27.898	41.550	4631

ENDEAVOR 129 STA= 72
DATE 25/ 4/85

LAT= 38 60.0N LON= 62 59.8W

SONIC DEPTH= 5011m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	18.295	36.524	5.69	18.294	26.367	32.766	38.956	0.005	-2.19	3
25	18.295	36.513	5.45	18.290	26.360	32.759	38.948	0.042	1.50	25
50	18.264	36.517	5.40	18.255	26.372	32.772	38.962	0.083	0.78	50
75	18.249	36.517	5.40	18.236	26.377	32.777	38.968	0.125	0.92	74
100	18.090	36.488	5.40	18.073	26.395	32.799	38.994	0.166	1.90	99
150	17.637	36.404	5.23	17.611	26.445	32.862	39.068	0.249	1.26	149
200	17.524	36.376	5.24	17.490	26.453	32.873	39.083	0.330	0.81	198
250	17.432	36.354	5.19	17.389	26.461	32.883	39.095	0.413	0.51	248
300	17.462	36.370	5.12	17.411	26.468	32.889	39.101	0.496	1.31	298
350	17.157	36.361	4.50	17.098	26.537	32.966	39.185	0.578	2.15	347
400	16.813	36.308	4.40	16.746	26.580	33.019	39.247	0.658	1.70	397
450	16.215	36.203	4.29	16.142	26.641	33.097	39.341	0.737	2.22	446
500	15.503	36.078	4.18	15.424	26.709	33.185	39.448	0.813	2.53	496
600	13.575	35.775	3.83	13.488	26.894	33.426	39.743	0.953	2.58	595
700	11.327	35.451	3.49	11.236	27.084	33.685	40.069	1.077	2.52	694
800	8.987	35.190	3.45	8.897	27.284	33.963	40.420	1.182	2.77	792
900	7.460	35.109	3.98	7.368	27.453	34.184	40.692	1.268	2.30	891
1000	6.230	35.072	4.62	6.136	27.592	34.368	40.917	1.340	1.98	990
1200	5.121	35.042	5.42	5.017	27.706	34.524	41.113	1.454	1.01	1187
1400	4.599	35.013	5.77	4.482	27.744	34.582	41.191	1.558	0.98	1385
1600	4.237	34.996	5.97	4.105	27.772	34.624	41.247	1.657	0.65	1582
1800	3.996	34.984	6.05	3.848	27.789	34.652	41.285	1.754	0.68	1779
2000	3.792	34.982	6.05	3.628	27.810	34.682	41.323	1.850	0.72	1975
2200	3.564	34.971	6.08	3.384	27.826	34.707	41.357	1.943	0.68	2172
2400	3.373	34.964	6.08	3.176	27.840	34.729	41.388	2.035	0.49	2368
2600	3.285	34.960	6.10	3.070	27.847	34.741	41.403	2.127	0.54	2564
2800	3.112	34.951	6.11	2.880	27.857	34.759	41.429	2.219	0.59	2760
3000	2.943	34.941	6.14	2.693	27.866	34.775	41.452	2.309	0.63	2956
3200	2.729	34.931	6.18	2.463	27.878	34.796	41.483	2.398	0.64	3152
3400	2.588	34.923	6.18	2.304	27.885	34.810	41.503	2.484	0.65	3347
3600	2.477	34.916	6.19	2.174	27.890	34.821	41.518	2.570	0.49	3543
3800	2.343	34.906	6.16	2.022	27.894	34.832	41.535	2.655	0.42	3738
4000	2.309	34.902	6.15	1.966	27.896	34.835	41.541	2.740	0.30	3933
4200	2.285	34.898	6.13	1.920	27.896	34.838	41.546	2.827	0.22	4127
4400	2.291	34.896	6.12	1.902	27.897	34.839	41.548	2.915	0.18	4322
4600	2.303	34.895	6.12	1.890	27.897	34.839	41.549	3.006	0.23	4516
4800	2.298	34.892	6.11	1.860	27.897	34.841	41.551	3.099	0.15	4711
5000	2.312	34.892	6.15	1.849	27.897	34.842	41.553	3.194	0.28	4905
5099	2.293	34.889	6.15	1.818	27.897	34.843	41.555	3.241	0.11	5001

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
6	18.561	36.532	5.32	0.0	0.04	0.2	18.560	26.306	38.882	6
204	17.738	36.420	5.17	0.7	0.14	2.1	17.703	26.435	39.053	202
402	16.989	36.338	4.40	2.4	0.41	7.1	16.922	26.561	39.219	399
600	13.814	35.811	3.85	5.9	0.91	14.9	13.727	26.872	39.707	595
795	9.485	35.241	3.39	13.5	1.53	24.3	9.393	27.243	40.346	790
1003	6.456	35.095	4.62	13.3	1.41	21.7	6.360	27.581	40.890	995
1199	5.043	35.023	5.39	12.3	1.29	19.7	4.940	27.701	41.113	1189
1398	4.490	34.994	5.77	11.7	1.25	18.7	4.374	27.741	41.197	1386
1599	4.091		6.00	11.7	1.21	18.2				1584
1780	4.030	34.990	5.97	12.6	1.22	18.3	3.883	27.791	41.283	1762
1983	3.806	34.985	5.98	13.9	1.23	18.4	3.643	27.811	41.322	1963
2176	3.608	34.975	6.03	14.9	1.23	18.3	3.429	27.824	41.352	2153
2384	3.398	34.966	6.04	16.2	1.23	18.3	3.202	27.839	41.385	2358
2585	3.280	34.955	6.07	17.2	1.23	18.4	3.066	27.843	41.400	2555
2788	3.093	34.951	6.09	18.3	1.23	18.3	2.862	27.859	41.431	2754
2986	2.944	34.942	6.14	19.3	1.23	18.3	2.696	27.866	41.453	2949
3187	2.703	34.929	6.17	21.0	1.23	18.2	2.439	27.878	41.485	3145
3388	2.598	34.924	6.16	22.4	1.24	18.3	2.315	27.885	41.502	3342
3689	2.375	34.909	6.17	26.7	1.28	18.7	2.065	27.894	41.531	3637
3989	2.319	34.902	6.11	28.2	1.29	19.0	1.977	27.895	41.540	3930
4291	2.293	34.898	6.09	31.0	1.31	19.4	1.917	27.897	41.546	4225
4591	2.310	34.897	6.10	31.3	1.31	19.4	1.898	27.897	41.549	4517
4790	2.306	34.894	6.08	32.8	1.33	19.6	1.869	27.897	41.551	4711
5112	2.303	34.891	6.10	32.5	1.32	19.4	1.826	27.898	41.556	5024

ENDEAVOR 129 STA= 73 LAT= 39 9.9N LON= 63 0.0W SONIC DEPTH= 5014m
 DATE 25/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	19.590	36.582	5.06	19.590	26.078	32.446	38.606	0.006	4.45	3
25	19.121	36.540	5.25	19.116	26.170	32.549	38.719	0.047	2.61	25
50	18.977	36.533	5.27	18.968	26.203	32.585	38.759	0.093	2.01	50
75	18.640	36.531	4.75	18.627	26.289	32.679	38.861	0.138	3.59	74
100	18.393	36.515	4.75	18.375	26.340	32.737	38.924	0.181	1.91	99
150	18.188	36.525	5.01	18.162	26.401	32.803	38.996	0.266	1.89	149
200	17.980	36.504	4.95	17.945	26.439	32.846	39.044	0.349	1.36	198
250	17.935	36.506	5.03	17.892	26.454	32.863	39.062	0.432	0.61	248
300	17.818	36.481	4.98	17.766	26.466	32.878	39.080	0.515	1.16	298
350	17.521	36.431	4.58	17.461	26.502	32.922	39.132	0.598	1.92	347
400	17.123	36.372	4.41	17.056	26.555	32.986	39.206	0.680	1.99	397
450	16.545	36.268	4.30	16.471	26.614	33.061	39.296	0.759	2.21	446
500	15.627	36.105	4.06	15.548	26.702	33.174	39.434	0.836	2.43	496
600	13.589	35.779	3.83	13.502	26.894	33.426	39.742	0.979	2.53	595
700	11.557	35.480	3.52	11.466	27.064	33.658	40.035	1.105	2.70	694
800	9.250	35.208	3.41	9.158	27.256	33.926	40.375	1.213	2.77	792
900	7.492	35.108	3.95	7.400	27.447	34.178	40.684	1.301	2.66	891
1000	6.205	35.076	4.68	6.112	27.599	34.375	40.925	1.370	1.69	990
1200	5.016	35.025	5.46	4.913	27.705	34.526	41.120	1.485	1.17	1187
1400	4.442	34.994	5.83	4.327	27.747	34.591	41.206	1.587	0.82	1385
1600	4.153	34.979	5.99	4.021	27.767	34.623	41.250	1.686	0.70	1582
1800	4.018	34.984	6.02	3.870	27.787	34.649	41.281	1.783	0.66	1779
2000	3.828	34.982	6.03	3.663	27.807	34.677	41.316	1.879	0.68	1975
2200	3.650	34.978	6.02	3.468	27.823	34.700	41.347	1.974	0.55	2172
2400	3.499	34.967	6.05	3.300	27.831	34.715	41.369	2.069	0.61	2368
2600	3.295	34.960	6.03	3.080	27.846	34.739	41.401	2.162	0.63	2564
2800	3.121	34.950	6.09	2.889	27.855	34.757	41.426	2.255	0.65	2760
3000	2.967	34.943	6.06	2.717	27.865	34.774	41.450	2.346	0.60	2956
3200	2.784	34.932	6.10	2.516	27.875	34.791	41.475	2.436	0.60	3152
3400	2.610	34.922	6.15	2.325	27.882	34.807	41.499	2.524	0.71	3347
3600	2.453	34.912	6.16	2.151	27.889	34.821	41.519	2.610	0.47	3543
3800	2.382	34.907	6.14	2.059	27.892	34.828	41.530	2.695	0.47	3738
4000	2.314	34.901	6.14	1.971	27.895	34.834	41.540	2.781	0.35	3933
4200	2.277	34.897	6.10	1.912	27.896	34.838	41.546	2.868	0.34	4127
4400	2.266	34.893	6.08	1.878	27.896	34.839	41.549	2.956	0.20	4322
4600	2.266	34.891	6.07	1.854	27.896	34.840	41.551	3.047	0.24	4516
4800	2.277	34.889	6.05	1.840	27.895	34.840	41.552	3.139	0.09	4711
5000	2.302	34.889	6.06	1.839	27.896	34.841	41.552	3.234	0.07	4905
5083	2.314	34.889	6.04	1.840	27.896	34.840	41.552	3.274	-0.12	4985

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
7	19.306	36.556	5.08	0.3	0.04	0.6	19.305	26.133	38.674	7
184	18.051	36.516	4.95	0.8	0.12	2.4	18.019	26.430	39.031	183
384	17.170	36.379	4.47	2.0	0.36	8.3	17.106	26.549	39.197	381
585	13.878	35.825	3.85	5.8			13.792	26.869	39.700	581
781	9.400	35.223	3.38	13.8	1.54	24.6	9.310	27.243	40.351	775
982	6.285	35.077	4.64	13.1	1.40	21.6	6.193	27.589	40.910	975
1183	5.045	35.029	5.56	11.9	1.26	19.4	4.944	27.705	41.117	1173
1382	4.443	34.994	5.80	11.6	1.22	18.6	4.329	27.746	41.205	1370
1585	4.213	34.989	5.87	11.8	1.20	18.3	4.082	27.769	41.246	1570
1784	4.044	34.986	5.96	12.3	1.20	18.1	3.897	27.786	41.278	1767
1982	3.886	34.985	6.03	13.2	1.20	18.2	3.722	27.803	41.308	1961
2185	3.710	34.983	6.00	15.1	1.22	18.4	3.529	27.821	41.341	2161
2384	3.490	34.968	6.04	15.7	1.21	18.2	3.293	27.832	41.371	2358
2584	3.313	34.964	6.03	17.8	1.23	18.5	3.099	27.847	41.401	2554
2784	3.111	34.952	6.08	18.5	1.22	18.4	2.880	27.858	41.429	2751
2986	2.985	34.946	6.06	20.3	1.24	18.4	2.736	27.866	41.449	2948
3288	2.701	34.929	6.11	22.2	1.24	18.4	2.426	27.880	41.487	3245
3602	2.436	34.912		25.3	1.25	18.4	2.134	27.890	41.522	3552
3908	2.347	34.906	6.09	27.6	1.27	18.7	2.013	27.895	41.537	3851
4208	2.285	34.896	6.09	30.7	1.30	19.2	1.919	27.895	41.545	4144
4509	2.281	34.893	6.06	32.6	1.32	19.5	1.879	27.896	41.549	4437
4809	2.286	34.889	6.01	34.5	1.34	19.8	1.848	27.895	41.550	4729
4994	2.309	34.890	6.04	34.6	1.34	19.8	1.847	27.896	41.551	4909
5093	2.323	34.890	6.07	34.2	1.33	19.7	1.848	27.896	41.551	5006

ENDEAVOR 129 STA= 74
DATE 25/ 4/85

LAT= 39 19.9N LON= 63 0.0W

SONIC DEPTH= 5014m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	20.750	36.590	5.13	20.750	25.775	32.116	38.250	0.007	4.40	3
25	20.362	36.593	4.68	20.357	25.883	32.233	38.376	0.054	3.65	25
50	19.697	36.609	4.43	19.688	26.074	32.439	38.596	0.105	4.81	50
75	19.161	36.592	4.05	19.148	26.202	32.579	38.749	0.152	3.14	74
100	18.842	36.560	3.93	18.824	26.260	32.646	38.823	0.198	3.11	99
150	18.169	36.507	4.75	18.143	26.392	32.794	38.988	0.284	2.05	149
200	18.030	36.508	4.90	17.995	26.430	32.836	39.032	0.368	1.20	198
250	17.942	36.498	4.85	17.898	26.447	32.855	39.054	0.451	1.14	248
300	17.738	36.465	4.64	17.687	26.473	32.887	39.091	0.534	1.48	298
350	17.407	36.415	4.43	17.348	26.518	32.941	39.153	0.617	1.58	347
400	16.989	36.347	4.39	16.922	26.569	33.003	39.226	0.698	2.13	397
450	16.310	36.227	4.24	16.237	26.638	33.091	39.332	0.777	2.28	446
500	15.385	36.066	4.06	15.306	26.727	33.206	39.472	0.852	2.58	496
600	13.518	35.766	3.80	13.432	26.899	33.432	39.751	0.992	2.59	595
700	10.850	35.400	3.51	10.762	27.131	33.748	40.145	1.113	2.76	694
800	8.581	35.157	3.51	8.493	27.322	34.014	40.485	1.214	2.79	792
900	6.892	35.091	4.22	6.804	27.518	34.269	40.796	1.294	2.31	891
1000	5.964	35.082	4.82	5.872	27.634	34.419	40.978	1.359	1.58	990
1200	5.010	35.035	5.46	4.907	27.714	34.535	41.129	1.470	1.13	1187
1400	4.492	35.007	5.79	4.376	27.752	34.594	41.207	1.570	0.72	1385
1600	4.207	34.991	5.93	4.075	27.771	34.625	41.249	1.669	0.67	1582
1800	4.016	34.986	5.98	3.868	27.789	34.651	41.283	1.766	0.64	1779
2000	3.839	34.981	6.00	3.674	27.805	34.675	41.314	1.863	0.65	1975
2200	3.632	34.972	6.01	3.450	27.820	34.698	41.346	1.958	0.68	2172
2400	3.429	34.966	6.03	3.231	27.837	34.724	41.380	2.052	0.63	2368
2600	3.286	34.959	6.03	3.070	27.846	34.740	41.402	2.144	0.58	2564
2800	3.145	34.954	6.01	2.912	27.856	34.756	41.425	2.236	0.57	2760
3000	2.857	34.937	6.08	2.610	27.870	34.783	41.463	2.326	0.65	2956
3200	2.769	34.932	6.10	2.503	27.875	34.792	41.477	2.414	0.59	3152
3400	2.563	34.920	6.12	2.279	27.885	34.811	41.505	2.501	0.58	3347
3600	2.463	34.913	6.13	2.161	27.889	34.820	41.519	2.587	0.49	3542
3800	2.388	34.907	6.16	2.066	27.892	34.827	41.529	2.672	0.39	3738
4000	2.319	34.901	6.14	1.976	27.894	34.833	41.539	2.759	0.41	3933
4200	2.282	34.896	6.12	1.916	27.895	34.837	41.545	2.846	0.30	4127
4400	2.271	34.893	6.09	1.883	27.895	34.838	41.548	2.934	0.23	4322
4600	2.273	34.890	6.09	1.860	27.895	34.839	41.550	3.025	0.20	4516
4800	2.284	34.889	6.06	1.847	27.895	34.839	41.551	3.117	0.15	4711
5000	2.295	34.888	6.06	1.833	27.895	34.840	41.552	3.212	0.16	4905
5081	2.308	34.888	6.04	1.835	27.895	34.840	41.552	3.251	-0.14	4983

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
6	20.952	36.567	4.82	0.8	0.06	0.9	20.950	25.702	38.170	6
181	18.063	36.508	4.96	1.0	0.15	2.8	18.032	26.421	39.022	180
383	17.269	36.394	4.42	2.1	0.36	6.5	17.204	26.537	39.180	381
581	14.067	35.851	3.72	6.1	0.94	15.3	13.981	26.850	39.670	577
783	9.290	35.219	3.45	14.0	1.55	22.7	9.200	27.258	40.373	777
983	6.148	35.089	4.75	13.1	1.39	21.2	6.056	27.616	40.946	975
1181	5.138	35.049	5.37	12.2	1.27	19.5	5.036	27.710	41.115	1171
1381	4.552	35.015	5.75	11.9	1.23	18.6	4.436	27.751	41.201	1369
1582	4.257	34.995	5.91	12.0	1.21	18.3	4.127	27.769	41.243	1568
1783	4.058	34.990	5.98		1.21	18.3	3.911	27.788	41.278	1766
1982	3.875	34.985	6.05	13.4	1.21	18.3	3.712	27.804	41.310	1961
2233	3.630	34.976	6.02	14.8	1.21	18.3	3.445	27.824	41.350	2208
2485	3.395	34.968	6.07	16.7	1.22	18.4	3.189	27.842	41.389	2456
2727	3.177	34.958	6.03	19.3	1.24	18.6	2.950	27.856	41.422	2695
2988	2.910	34.942	6.07	20.6	1.23	18.4	2.662	27.869	41.458	2951
3238	2.762	34.934	6.12	21.6	1.23	18.3	2.492	27.878	41.481	3196
3487	2.542	34.927	6.15	23.9	1.24	18.4	2.250	27.893	41.515	3440
3739	2.417	34.912	6.14	26.1	1.26	18.7	2.100	27.893	41.528	3686
3990	2.330	34.906	6.16	28.3	1.27	18.9	1.988	27.897	41.541	3931
4238	2.289	34.900	6.08	30.8	1.30	19.3	1.919	27.898	41.548	4173
4489	2.280	34.895	6.05	32.5	1.31	19.5	1.881	27.897	41.550	4418
4642	2.282	34.898	6.03	33.4	1.32	19.6	1.864	27.901	41.555	4567
4990	2.303	34.891	6.05	34.9	1.33	19.8	1.841	27.897	41.553	4905
5092	2.318	34.892	6.00	35.0	1.33	19.8	1.843	27.898	41.554	5004

ENDEAVOR 129 STA= 75
DATE 26/ 4/85

LAT= 39 30.0N LON= 63 0.0W

SONIC DEPTH= 5001m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	21.085	36.622	4.44	21.085	25.707	32.041	38.168	0.002	7.89	1
25	20.024	36.574	4.63	20.019	25.959	32.317	38.467	0.053	3.52	25
50	19.487	36.631	4.09	19.477	26.145	32.515	38.677	0.103	4.62	50
75	18.977	36.574	4.24	18.963	26.236	32.618	38.792	0.149	2.84	74
100	18.622	36.538	4.37	18.605	26.299	32.690	38.873	0.193	2.83	99
150	18.118	36.489	4.36	18.092	26.391	32.795	38.989	0.279	1.78	149
200	18.036	36.509	5.00	18.001	26.429	32.835	39.031	0.362	1.36	198
250	17.854	36.488	4.88	17.811	26.460	32.871	39.072	0.445	1.52	248
300	17.521	36.427	4.51	17.469	26.498	32.917	39.127	0.528	1.68	297
350	17.175	36.380	4.60	17.116	26.547	32.976	39.195	0.609	1.91	347
400	16.649	36.292	4.55	16.583	26.607	33.050	39.282	0.688	2.22	397
450	15.929	36.165	4.39	15.857	26.678	33.141	39.393	0.765	2.32	446
500	15.028	36.008	4.27	14.951	26.761	33.250	39.526	0.839	2.49	496
600	13.260	35.729	4.16	13.175	26.923	33.464	39.790	0.976	2.59	595
700	10.874	35.403	4.10	10.786	27.129	33.745	40.142	1.096	2.64	693
800	8.705	35.172	4.22	8.617	27.315	34.003	40.469	1.198	2.63	792
900	7.294	35.106	4.72	7.203	27.474	34.211	40.724	1.281	2.36	891
1000	6.268	35.091	5.17	6.174	27.602	34.376	40.924	1.350	1.81	990
1200	5.206	35.051	5.64	5.102	27.704	34.518	41.104	1.463	1.08	1187
1400	4.599	35.015	5.88	4.482	27.747	34.584	41.193	1.567	0.79	1385
1600	4.284	34.999	5.99	4.151	27.770	34.621	41.242	1.666	0.65	1582
1800	4.088	34.991	6.02	3.938	27.785	34.644	41.274	1.764	0.61	1779
2000	3.931	34.986	6.03	3.764	27.799	34.665	41.301	1.862	0.59	1975
2200	3.768	34.978	6.04	3.585	27.811	34.684	41.327	1.960	0.58	2172
2400	3.621	34.976	6.02	3.420	27.826	34.706	41.355	2.057	0.60	2368
2600	3.459	34.970	6.04	3.240	27.839	34.725	41.381	2.154	0.63	2564
2800	3.297	34.963	6.06	3.061	27.850	34.744	41.406	2.250	0.74	2760
3000	3.157	34.956	6.05	2.903	27.859	34.760	41.429	2.343	0.55	2956
3200	2.891	34.941	6.10	2.622	27.873	34.785	41.465	2.436	0.71	3152
3400	2.738	34.932	6.12	2.450	27.880	34.799	41.486	2.527	0.65	3347
3600	2.582	34.923	6.13	2.277	27.887	34.814	41.507	2.615	0.61	3542
3800	2.460	34.915	6.14	2.135	27.892	34.825	41.524	2.703	0.48	3738
4000	2.382	34.908	6.13	2.037	27.895	34.832	41.535	2.790	0.45	3932
4200	2.326	34.902	6.10	1.960	27.897	34.836	41.543	2.878	0.36	4127
4400	2.301	34.899	6.09	1.911	27.898	34.840	41.548	2.967	0.27	4322
4600	2.292	34.895	6.06	1.879	27.897	34.840	41.550	3.057	0.20	4516
4799	2.294	34.893	6.06	1.856	27.897	34.841	41.552	3.149	0.24	4710

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
9	21.080	36.559					21.078	25.661	38.123	8
203	17.976	36.491					17.941	26.430	39.036	202
402	16.774	36.315					16.708	26.595	39.264	399
600	13.267	35.729					13.182	26.922	39.788	596
801	8.118	35.145					8.032	27.383	40.577	795
1000	5.866	35.078					5.776	27.643	40.994	992
1200	4.889	35.035					4.787	27.728	41.151	1190
1401	4.512	35.011					4.395	27.753	41.206	1388
1600	4.235	34.995					4.103	27.772	41.247	1585
1800	4.026	34.990					3.877	27.791	41.284	1783
2003	3.894	34.984					3.727	27.802	41.306	1982
2197	3.755	34.977					3.572	27.812	41.329	2173
2403	3.588	34.975					3.387	27.828	41.360	2376
2703	3.328	34.966					3.101	27.849	41.402	2671
3004	3.122	34.951					2.868	27.858	41.430	2966
3305	2.824	34.939					2.545	27.877	41.476	3261
3607	2.539	34.918					2.234	27.887	41.511	3557
3878	2.420	34.910					2.088	27.893	41.528	3822
4207	2.323	34.900					1.956	27.895	41.542	4143
4507	2.296	34.895					1.894	27.896	41.548	4436
4811	2.294	34.892					1.855	27.897	41.552	4731

ENDEAVOR 129 STA= 76 LAT= 39 29.9N LON= 63 0.0W SONIC DEPTH= 4999m
 DATE 26/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	20.907	36.679	5.08	20.907	25.800	32.136	38.267	0.002	-2.97	1
25	20.738	36.634	4.80	20.734	25.813	32.153	38.288	0.055	4.18	25
50	19.950	36.631	4.80	19.941	26.023	32.382	38.534	0.108	4.86	50
75	19.468	36.669	4.35	19.454	26.181	32.550	38.712	0.156	4.53	74
100	18.866	36.628	4.63	18.848	26.307	32.691	38.867	0.201	3.12	99
150	18.353	36.601	5.01	18.327	26.418	32.815	39.003	0.286	2.48	149
200	18.070	36.601	5.11	18.036	26.491	32.895	39.090	0.367	1.54	198
250	17.935	36.582	4.97	17.892	26.512	32.920	39.118	0.447	1.32	248
300	17.699	36.539	4.77	17.648	26.540	32.954	39.159	0.527	1.76	297
350	17.225	36.464	4.46	17.166	26.599	33.026	39.243	0.606	1.67	347
400	16.876	36.405	4.41	16.809	26.640	33.077	39.302	0.683	2.00	397
450	16.019	36.252	4.16	15.946	26.724	33.185	39.433	0.759	2.28	446
500	14.883	36.060	3.98	14.806	26.833	33.325	39.604	0.830	2.57	496
600	12.889	35.743	3.51	12.805	27.008	33.560	39.896	0.959	2.33	595
700	10.261	35.395	3.35	10.176	27.230	33.866	40.281	1.071	3.01	693
800	8.032	35.212	3.71	7.948	27.448	34.159	40.646	1.160	2.88	792
900	6.521	35.168	4.53	6.436	27.628	34.392	40.930	1.228	1.95	891
1000	5.932	35.159	4.92	5.841	27.699	34.484	41.043	1.284	1.55	990
1200	4.936	35.112	5.52	4.834	27.784	34.607	41.202	1.382	1.03	1187
1400	4.415	35.080	5.85	4.299	27.818	34.662	41.277	1.470	0.82	1385
1600	4.160	35.069	5.98	4.029	27.838	34.693	41.318	1.555	0.61	1582
1800	3.968	35.061	6.01	3.820	27.853	34.716	41.349	1.640	0.56	1779
2000	3.810	35.052	6.05	3.645	27.864	34.734	41.374	1.725	0.60	1975
2200	3.653	35.051	6.06	3.471	27.881	34.758	41.404	1.810	0.69	2172
2400	3.517	35.047	6.03	3.317	27.893	34.776	41.428	1.893	0.51	2368
2600	3.315	35.039	6.06	3.099	27.907	34.798	41.459	1.976	0.71	2564
2800	3.209	35.034	6.07	2.974	27.915	34.811	41.476	2.058	0.63	2760
3000	2.988	35.023	6.07	2.737	27.928	34.834	41.509	2.139	0.58	2956
3200	2.822	35.014	6.10	2.553	27.937	34.851	41.532	2.218	0.67	3152
3400	2.632	35.003	6.15	2.347	27.945	34.868	41.558	2.295	0.61	3347
3600	2.495	34.995	6.14	2.191	27.952	34.881	41.577	2.371	0.55	3542
3800	2.403	34.988	6.13	2.079	27.956	34.890	41.590	2.446	0.42	3738
4000	2.346	34.984	6.11	2.001	27.959	34.896	41.599	2.521	0.39	3932
4200	2.304	34.979	6.12	1.938	27.960	34.899	41.606	2.597	0.32	4127
4400	2.288	34.976	6.09	1.898	27.960	34.902	41.610	2.675	0.28	4322
4600	2.285	34.974	6.06	1.871	27.961	34.904	41.613	2.754	0.26	4516
4800	2.283	34.972	6.06	1.846	27.961	34.905	41.615	2.835	0.18	4710
5000	2.288	34.970	6.03	1.825	27.961	34.906	41.617	2.919	0.18	4905
5079	2.300	34.969	5.99	1.826	27.961	34.905	41.616	2.952	-0.11	4981

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
6	21.012	36.557	4.83	1.0	0.06	0.8	21.011	25.678	38.143	6
184	18.106	36.521	5.01	0.9	0.12	2.4	18.074	26.420	39.019	183
384	17.139	36.378	4.43	1.8	0.36	6.7	17.074	26.556	39.205	381
583	13.367	35.743	3.56	6.9	1.04	17.3	13.283	26.912	39.772	579
783	8.807	35.178	3.46	14.2		25.0	8.720	27.303	40.450	778
983	6.198	35.083	4.71	13.0	1.39	21.5	6.106	27.605	40.932	975
1183	5.017	35.039	5.47	12.0	1.27	19.4	4.916	27.716	41.130	1173
1384	4.564	35.012	5.75	11.6	1.23	18.9	4.448	27.748	41.197	1372
1583	4.223	34.995	5.94	11.8	1.21	18.4	4.092	27.773	41.249	1568
1781	4.043	34.988	5.99	12.3	1.21	18.3	3.896	27.788	41.279	1764
1983	3.862	34.977	6.03	12.9	1.21	18.3	3.699	27.799	41.306	1963
2184	3.719	34.975	6.01	14.0	1.21	18.3	3.537	27.814	41.333	2161
2383	3.507	34.970	6.03	15.4	1.22	18.3	3.310	27.832	41.369	2356
2584	3.426	34.969	6.02	16.7	1.23	18.5	3.209	27.841	41.386	2554
2786	3.225	34.957	6.02	17.7	1.23	18.4	2.992	27.852	41.414	2752
2987	3.026	34.947	6.06	19.9	1.24	18.5	2.776	27.863	41.443	2950
3287	2.776	34.934	6.15	21.1	1.23	18.4	2.500	27.877	41.479	3243
3588	2.514	34.917	6.15	23.2	1.23	18.3	2.211	27.888	41.513	3538
3890	2.391	34.907	6.16	25.8	1.25	18.5	2.058	27.893	41.531	3833
4188	2.319	34.901	6.16	27.8	1.29	18.7	1.955	27.896	41.543	4124
4590	2.291	34.892	6.07	30.9	1.29	19.2	1.879	27.895	41.548	4516
4792	2.292	34.894	6.09	32.5	1.31	19.4	1.855	27.898	41.553	4713
4990	2.296	34.888	6.03	34.1	1.33	19.6	1.835	27.895	41.552	4905
5091	2.309	34.889	6.06	34.6	1.35	19.8	1.835	27.896	41.553	5003

ENDEAVOR 129 STA= 77
DATE 26/ 4/85

LAT= 39 39.9N LON= 62 59.9W

SONIC DEPTH= 5015m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	20.772	36.655	5.19	20.771	25.818	32.158	38.292	0.007	6.35	3
25	19.608	36.645	4.85	19.603	26.124	32.490	38.649	0.051	5.85	25
50	19.096	36.653	4.34	19.087	26.264	32.643	38.813	0.097	4.20	50
75	18.693	36.626	4.96	18.680	26.347	32.736	38.916	0.140	3.01	74
100	18.440	36.604	4.78	18.422	26.397	32.791	38.977	0.182	2.25	99
150	18.035	36.554	4.12	18.009	26.462	32.867	39.063	0.263	1.94	149
200	17.891	36.559	4.56	17.857	26.503	32.912	39.112	0.344	1.24	198
250	17.709	36.530	4.47	17.666	26.529	32.942	39.146	0.423	1.26	248
300	17.291	36.446	4.07	17.240	26.568	32.993	39.208	0.502	1.93	297
350	17.088	36.443	4.40	17.029	26.616	33.047	39.267	0.580	1.83	347
400	16.595	36.358	4.30	16.529	26.670	33.114	39.347	0.656	1.89	397
450	15.718	36.202	4.10	15.646	26.754	33.223	39.479	0.730	2.77	446
500	14.956	36.075	3.99	14.879	26.829	33.319	39.596	0.800	2.25	496
600	12.891	35.751	3.64	12.807	27.015	33.566	39.902	0.930	2.61	595
700	10.213	35.397	3.42	10.129	27.240	33.877	40.293	1.042	2.83	693
800	8.056	35.216	3.68	7.972	27.448	34.158	40.644	1.131	2.74	792
900	6.792	35.175	4.33	6.704	27.598	34.352	40.881	1.200	2.02	891
1000	6.045	35.165	4.82	5.952	27.690	34.471	41.026	1.259	1.53	990
1200	5.023	35.117	5.46	4.920	27.778	34.598	41.189	1.359	1.09	1187
1400	4.468	35.085	5.82	4.352	27.816	34.658	41.271	1.448	0.77	1385
1600	4.249	35.076	5.92	4.116	27.835	34.686	41.308	1.535	0.66	1582
1800	4.084	35.070	5.98	3.935	27.849	34.707	41.335	1.621	0.52	1779
2000	3.899	35.063	6.02	3.732	27.864	34.730	41.366	1.708	0.65	1975
2200	3.766	35.062	6.03	3.582	27.878	34.751	41.392	1.793	0.63	2172
2400	3.576	35.055	6.03	3.376	27.893	34.774	41.423	1.878	0.68	2368
2600	3.374	35.045	6.05	3.157	27.907	34.796	41.454	1.961	0.60	2564
2800	3.216	35.037	6.07	2.981	27.917	34.813	41.478	2.043	0.58	2760
3000	3.040	35.029	6.07	2.788	27.928	34.832	41.505	2.125	0.64	2956
3200	2.878	35.020	6.09	2.609	27.937	34.848	41.528	2.204	0.71	3152
3400	2.701	35.009	6.13	2.414	27.945	34.865	41.552	2.282	0.58	3347
3600	2.536	34.999	6.15	2.231	27.952	34.880	41.574	2.359	0.62	3542
3800	2.405	34.991	6.13	2.082	27.958	34.891	41.592	2.434	0.46	3737
4000	2.345	34.985	6.13	2.001	27.960	34.897	41.601	2.509	0.43	3932
4200	2.305	34.980	6.09	1.938	27.961	34.900	41.607	2.585	0.32	4127
4400	2.288	34.977	6.08	1.899	27.961	34.903	41.611	2.662	0.25	4322
4600	2.280	34.974	6.05	1.867	27.961	34.904	41.613	2.742	0.24	4516
4800	2.285	34.972	6.04	1.847	27.961	34.905	41.615	2.823	0.18	4710
5000	2.298	34.971	6.02	1.834	27.961	34.905	41.616	2.906	0.06	4904
5053	2.304	34.971	6.00	1.834	27.962	34.906	41.617	2.929	0.21	4956

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
6	20.740	36.576	4.79	0.7	0.07	0.8	20.739	25.767	38.243	6
184	17.968	36.463	4.02	2.0	0.39	7.1	17.936	26.410	39.016	183
363	17.216	36.376	4.25	2.3	0.42	7.4	17.155	26.535	39.180	361
582	13.336	35.737	3.74	6.8	1.01	16.7	13.252	26.913	39.776	578
784	8.736	35.174	3.52	14.2	1.58	25.1	8.650	27.311	40.463	778
983	6.346	35.095	4.70	13.0	1.40	21.7	6.253	27.595	40.911	975
1182	5.115	35.059	5.43	12.1	1.28	19.7	5.013	27.721	41.127	1172
1382	4.508	35.007	5.81	11.7	1.23	18.7	4.393	27.750	41.203	1370
1584	4.237	35.001	5.94	12.0	1.22	18.6	4.107	27.776	41.251	1569
1782	4.070	34.991	5.98	12.4	1.22	18.5	3.923	27.787	41.277	1765
1983	3.915	34.985	6.03	13.0	1.22	18.5	3.751	27.800	41.303	1962
2232	3.746	34.988	6.01	14.4	1.23	18.5	3.559	27.822	41.339	2208
2484	3.533	34.980	6.10	16.2	1.24	18.6	3.324	27.839	41.374	2455
2734	3.274	34.962	6.10	17.2	1.23	18.5	3.045	27.851	41.409	2701
2986	3.086	34.954	6.09	19.2	1.24	18.5	2.834	27.864	41.438	2948
3238	2.820	34.943	6.13	21.2	1.25	18.5	2.548	27.880	41.478	3196
3488	2.636		6.15	22.8	1.24	18.5				3441
3741	2.442	34.914		25.9	1.26	18.7	2.125	27.893	41.525	3688
3992	2.366	34.907	6.13	27.3	1.27	18.9	2.023	27.895	41.536	3933
4244	2.313	34.900	6.12	29.8	1.30	19.2	1.942	27.896	41.544	4178
4492	2.292	34.896	6.07	32.2	1.32	19.6	1.892	27.897	41.549	4420
4742	2.290	34.895	6.03	33.6	1.33	19.8	1.860	27.899	41.553	4664
4990	2.304	34.891	6.02	34.6	1.35	19.9	1.842	27.897	41.553	4905
5064	2.315	34.892	6.06	34.7	1.35	19.9	1.844	27.898	41.553	4977

ENDEAVOR 129 STA= 78
DATE 26/ 4/85

LAT= 39 49.8N LON= 62 60.0W

SONIC DEPTH= 4949m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	19.555	36.659	4.46	19.554	26.147	32.515	38.675	0.006	1.31	3
25	19.362	36.638	4.99	19.357	26.183	32.555	38.719	0.046	2.76	25
50	19.170	36.626	5.08	19.161	26.224	32.601	38.770	0.092	2.00	50
75	18.927	36.621	4.96	18.914	26.284	32.667	38.841	0.137	3.99	74
100	18.450	36.612	5.10	18.432	26.400	32.794	38.980	0.179	2.08	99
150	18.142	36.596	5.15	18.116	26.467	32.870	39.063	0.261	1.69	149
200	17.879	36.541	5.03	17.844	26.493	32.902	39.102	0.341	1.83	198
250	17.603	36.486	5.01	17.560	26.521	32.938	39.145	0.421	0.83	248
300	17.582	36.507	4.75	17.531	26.544	32.961	39.168	0.501	1.91	297
350	16.928	36.416	4.40	16.870	26.634	33.068	39.293	0.579	2.35	347
400	16.048	36.261	4.18	15.984	26.723	33.182	39.429	0.654	2.59	397
450	15.218	36.119	4.05	15.148	26.803	33.285	39.555	0.724	2.59	446
500	14.108	35.939	3.89	14.034	26.907	33.422	39.722	0.791	2.53	496
600	11.564	35.568	3.53	11.486	27.129	33.722	40.097	0.911	2.81	595
700	9.289	35.292	3.35	9.209	27.313	33.981	40.427	1.011	2.55	693
800	7.644	35.206	3.87	7.561	27.501	34.225	40.725	1.092	2.62	792
900	6.418	35.161	4.49	6.333	27.636	34.404	40.946	1.157	2.02	891
1000	5.590	35.134	5.01	5.501	27.722	34.520	41.091	1.211	1.53	990
1200	4.653	35.078	5.69	4.553	27.788	34.622	41.228	1.305	0.90	1187
1400	4.309	35.062	5.91	4.194	27.815	34.663	41.282	1.392	0.69	1385
1600	4.135	35.057	6.00	4.004	27.831	34.687	41.313	1.478	0.62	1582
1800	3.941	35.053	6.05	3.794	27.850	34.714	41.348	1.563	0.61	1779
2000	3.792	35.049	6.08	3.628	27.864	34.734	41.374	1.648	0.56	1975
2200	3.680	35.056	6.05	3.498	27.882	34.758	41.403	1.733	0.67	2172
2400	3.501	35.050	6.06	3.301	27.896	34.780	41.432	1.817	0.72	2368
2600	3.338	35.044	6.05	3.121	27.909	34.799	41.459	1.899	0.60	2564
2800	3.173	35.037	6.06	2.939	27.920	34.819	41.485	1.980	0.67	2760
3000	2.977	35.026	6.09	2.726	27.931	34.838	41.513	2.060	0.68	2956
3200	2.787	35.015	6.12	2.519	27.941	34.856	41.539	2.137	0.53	3152
3400	2.616	35.006	6.14	2.331	27.949	34.872	41.563	2.214	0.62	3347
3600	2.477	34.998	6.16	2.174	27.956	34.886	41.583	2.288	0.51	3542
3800	2.388	34.991	6.17	2.064	27.960	34.894	41.595	2.363	0.50	3737
4000	2.339	34.987	6.14	1.995	27.962	34.899	41.603	2.437	0.35	3932
4200	2.311	34.983	6.12	1.945	27.962	34.902	41.608	2.513	0.32	4127
4400	2.288	34.979	6.09	1.898	27.963	34.905	41.613	2.590	0.27	4322
4600	2.281	34.977	6.07	1.868	27.963	34.906	41.615	2.669	0.22	4516
4800	2.281	34.974	6.05	1.843	27.963	34.907	41.617	2.750	0.21	4710
5000	2.303	34.968	6.06	1.840	27.959	34.903	41.613	2.833	0.10	4904

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
9	19.580	36.586	4.85	0.6	0.08	1.2	19.578	26.085	38.612	9
183	18.113	36.513	5.23	0.5	0.07	0.9	18.081	26.412	39.011	182
381	16.739	36.302	4.35	2.7	0.44	7.7	16.676	26.592	39.263	379
580	12.790	35.656	3.65	7.8	1.09	17.7	12.709	26.960	39.855	576
781	8.077	35.140	3.77	14.2	1.55	24.2	7.994	27.385	40.581	776
980	5.599	35.054	5.05	12.7	1.35	20.6	5.512	27.657	41.027	973
1183	4.686	35.001	5.65	11.7	1.25	19.0	4.588	27.723	41.163	1173
1382	4.290	34.985	5.92	11.4	1.22	18.4	4.178	27.756	41.226	1370
1584	4.090	34.980	6.00	11.9	1.21	18.2	3.961	27.775	41.261	1570
1783	3.940	34.973	6.05	12.3	1.21	18.2	3.794	27.786	41.286	1766
1983	3.802	34.971	6.08	13.1	1.21	18.2	3.639	27.800	41.312	1962
2185	3.675	34.976	6.05	14.6	1.23	18.4	3.494	27.819	41.341	2162
2385	3.509	34.971	6.06	15.7	1.23	18.4	3.311	27.833	41.370	2359
2585	3.341	34.969	6.06	17.1	1.24	18.4	3.126	27.849	41.400	2555
2785	3.182	34.954	6.08	17.8	1.23	18.3	2.949	27.853	41.419	2752
2986	3.018	34.946	6.12	18.9	1.24	18.3	2.768	27.863	41.444	2949
3187	2.823	34.937	6.14	20.7	1.24	18.3	2.556	27.875	41.472	3145
3387	2.640	34.925	6.15	22.7	1.25	18.4	2.356	27.882	41.496	3342
3588	2.504	34.917	6.15	24.3	1.26	18.5	2.202	27.889	41.515	3538
3889	2.372	34.907	6.15	26.6	1.28	18.7	2.040	27.894	41.534	3832
4188	2.319	34.902	6.12	28.7	1.29	18.9	1.954	27.897	41.544	4125
4494	2.293	34.898	6.08	31.2	1.32	19.2	1.893	27.898	41.550	4422
4791	2.290	34.892	6.07	33.1	1.33	19.5	1.854	27.897	41.552	4711
5018	2.313	34.891	6.08	33.8	1.35	19.7	1.848	27.896	41.552	4932

ENDEAVOR 129 STA= 79 LAT= 39 59.8N LON= 63 9.9W SONIC DEPTH= 4857m
 DATE 26/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	21.304	36.566	6.02	21.303	25.604	31.933	38.056	0.007	2.97	3
25	20.782	36.558	5.27	20.778	25.743	32.083	38.218	0.058	4.98	25
50	19.860	36.563	5.04	19.851	25.995	32.357	38.511	0.112	5.75	50
75	19.262	36.580	4.77	19.248	26.167	32.542	38.709	0.161	5.50	74
100	18.691	36.563	5.11	18.673	26.301	32.690	38.870	0.206	1.66	99
150	18.239	36.519	4.87	18.213	26.384	32.784	38.976	0.292	2.60	149
200	18.079	36.521	4.88	18.044	26.428	32.832	39.028	0.376	1.61	198
250	17.687	36.463	4.63	17.645	26.482	32.897	39.102	0.459	2.14	248
300	17.079	36.367	4.27	17.028	26.558	32.990	39.210	0.539	2.57	297
350	16.154	36.204	4.04	16.097	26.653	33.109	39.354	0.616	2.12	347
400	15.526	36.097	3.90	15.463	26.715	33.190	39.452	0.690	2.47	397
450	14.551	35.931	3.75	14.484	26.804	33.306	39.595	0.760	2.34	446
500	13.611	35.772	3.45	13.539	26.881	33.412	39.727	0.827	3.03	496
600	10.631	35.354	3.29	10.557	27.132	33.755	40.160	0.946	2.79	595
700	8.722	35.194	3.64	8.645	27.327	34.014	40.479	1.043	2.71	693
800	6.794	35.089	4.37	6.717	27.528	34.283	40.812	1.121	2.50	792
900	5.724	35.052	5.01	5.644	27.639	34.433	40.999	1.182	1.67	891
1000	5.001	35.002	5.51	4.916	27.687	34.508	41.102	1.237	1.11	990
1200	4.575	34.997	5.82	4.477	27.733	34.571	41.180	1.338	0.75	1187
1400	4.271	34.980	5.98	4.157	27.754	34.604	41.226	1.435	0.69	1385
1600	4.072	34.978	6.00	3.942	27.775	34.634	41.263	1.532	0.65	1582
1800	3.944	34.978	5.98	3.796	27.790	34.655	41.290	1.628	0.59	1779
2000	3.805	34.977	5.96	3.640	27.805	34.676	41.317	1.723	0.64	1975
2200	3.628	34.974	5.94	3.447	27.822	34.700	41.348	1.818	0.64	2172
2400	3.448	34.966	5.92	3.250	27.835	34.721	41.377	1.912	0.64	2368
2600	3.267	34.958	5.91	3.052	27.847	34.741	41.404	2.005	0.63	2564
2800	3.094	34.948	5.93	2.862	27.857	34.759	41.429	2.096	0.62	2760
3000	2.890	34.938	5.95	2.642	27.868	34.779	41.459	2.187	0.64	2956
3200	2.706	34.928	5.98	2.441	27.878	34.797	41.484	2.275	0.66	3152
3400	2.573	34.920	6.03	2.289	27.884	34.810	41.503	2.361	0.55	3347
3600	2.466	34.913	6.07	2.164	27.889	34.820	41.518	2.447	0.47	3542
3800	2.379	34.906	6.10	2.056	27.892	34.828	41.530	2.533	0.42	3737
4000	2.330	34.901	6.14	1.987	27.893	34.832	41.538	2.619	0.35	3932
4200	2.306	34.898	6.14	1.940	27.895	34.835	41.543	2.707	0.31	4127
4400	2.289	34.894	6.14	1.900	27.895	34.837	41.546	2.796	0.25	4322
4600	2.287	34.892	6.16	1.874	27.895	34.839	41.549	2.887	0.20	4516
4800	2.290	34.889	6.19	1.852	27.894	34.839	41.550	2.979	0.21	4710
4911	2.292	34.889	6.20	1.840	27.896	34.840	41.552	3.032	0.33	4818

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
0	21.289	36.550	4.97	0.6	0.04	0.2	21.289	25.596	38.049	0
203	18.017	36.507	4.89	1.0	0.16	2.9	17.981	26.433	39.036	202
403	15.527	36.092	4.08	3.9	0.67	11.1	15.463	26.711	39.448	401
602	10.525	35.348	3.32	12.0	1.46	23.1	10.452	27.146	40.180	598
802	7.165	35.111	4.19	13.5	1.48	22.8	7.086	27.495	40.753	796
1001	5.393	35.057	5.22	12.3	1.32	20.2	5.306	27.684	41.069	993
1200	4.552		5.72	11.3	1.24	18.7				1190
1402	4.256	34.976	5.88	11.3	1.22	18.4	4.142	27.752	41.225	1389
1600	4.160	34.986	5.93	11.8	1.22	18.4	4.028	27.772	41.254	1585
1804	4.003	34.986	5.98	12.5	1.22	18.4	3.854	27.790	41.285	1786
2003	3.839	34.980	6.00	13.3	1.23	18.3	3.674	27.804	41.313	1983
2201	3.671	34.983	5.99	14.8	1.24	18.5	3.489	27.825	41.348	2177
2400	3.486	34.973	6.01	16.1	1.24	18.5	3.287	27.837	41.375	2373
2604	3.272	34.961	6.07	17.3	1.24	18.5	3.057	27.849	41.406	2573
2802	3.119	34.954	6.07	18.4	1.24	18.5	2.886	27.859	41.430	2768
3004	2.914	34.941	6.09	19.7	1.24	18.4	2.665	27.868	41.457	2967
3204	2.740	34.932	6.15	20.4	1.23	18.3	2.473	27.878	41.482	3162
3405	2.553	34.921	6.12	22.5	1.24	18.4	2.270	27.886	41.507	3359
3607	2.483	34.915	6.16	24.1	1.26	18.6	2.180	27.889	41.517	3556
3902	2.372	34.907	6.13	25.9	1.26	18.7	2.038	27.894	41.534	3845
4208	2.305	34.899	6.07	28.9	1.29	19.1	1.938	27.896	41.544	4144
4505	2.286	34.895	6.06	31.5	1.32	19.5	1.885	27.897	41.549	4434
4808	2.291	34.891	6.07	33.2	1.33	19.6	1.853	27.896	41.551	4728
4922	2.293	34.890	6.07	33.3	1.34	19.7	1.840	27.896	41.553	4839

ENDEAVOR 129 STA= 80
DATE 26/ 4/85

LAT= 40 10.8N LON= 63 19.9W

SONIC DEPTH= 4723m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	21.918	36.568	3.81	21.918	25.435	31.750	37.861	0.003	4.56	1
25	20.680	36.577	4.64	20.675	25.785	32.127	38.264	0.061	7.33	25
50	19.770	36.552	5.05	19.761	26.011	32.375	38.531	0.113	5.44	50
75	18.710	36.539	4.25	18.697	26.277	32.665	38.846	0.160	4.85	74
100	18.113	36.500	4.39	18.095	26.399	32.803	38.997	0.202	2.91	99
150	17.636	36.450	4.74	17.611	26.481	32.897	39.103	0.284	2.35	149
200	17.082	36.368	4.38	17.049	26.554	32.984	39.205	0.362	2.23	198
250	16.294	36.232	4.27	16.254	26.638	33.090	39.331	0.438	2.00	248
300	15.341	36.060	4.02	15.294	26.725	33.204	39.471	0.510	2.72	297
350	14.236	35.882	3.85	14.184	26.831	33.342	39.639	0.578	2.23	347
400	12.956	35.680	3.69	12.900	26.941	33.491	39.824	0.642	2.91	397
450	11.482	35.466	3.50	11.424	27.061	33.656	40.034	0.701	2.90	446
500	10.326	35.326	3.42	10.266	27.161	33.794	40.207	0.754	2.84	496
600	8.068	35.129	3.73	8.005	27.375	34.084	40.570	0.844	2.61	595
700	6.316	35.062	4.55	6.251	27.569	34.341	40.887	0.916	2.52	693
800	5.409	35.035	5.17	5.340	27.663	34.468	41.046	0.972	1.62	792
900	4.640	34.976	5.70	4.568	27.706	34.541	41.147	1.022	0.97	891
1000	4.410	34.962	5.90	4.331	27.721	34.565	41.180	1.070	0.55	990
1200	4.234	34.956	6.03	4.138	27.737	34.589	41.211	1.166	0.55	1187
1400	4.117	34.958	6.06	4.004	27.753	34.610	41.237	1.262	0.60	1385
1600	4.055	34.980	6.02	3.925	27.778	34.638	41.268	1.358	0.70	1582
1800	3.905	34.985	6.07	3.758	27.799	34.666	41.302	1.452	0.62	1779
2000	3.721	34.977	6.09	3.557	27.813	34.687	41.331	1.546	0.62	1975
2200	3.541	34.973	6.09	3.361	27.829	34.711	41.362	1.638	0.61	2172
2400	3.408	34.971	6.07	3.211	27.842	34.730	41.387	1.730	0.55	2368
2600	3.209	34.957	6.12	2.995	27.851	34.748	41.413	1.821	0.68	2564
2800	2.989	34.946	6.13	2.759	27.864	34.770	41.445	1.911	0.66	2760
3000	2.786	34.935	6.17	2.539	27.875	34.790	41.473	1.998	0.63	2956
3200	2.629	34.926	6.19	2.365	27.882	34.805	41.495	2.084	0.61	3152
3400	2.478	34.916	6.19	2.197	27.889	34.818	41.515	2.168	0.56	3347
3600	2.385	34.910	6.20	2.085	27.893	34.827	41.528	2.252	0.42	3542
3800	2.327	34.904	6.20	2.006	27.895	34.832	41.537	2.336	0.39	3737
4000	2.280	34.899	6.20	1.938	27.896	34.837	41.544	2.420	0.31	3932
4200	2.267	34.896	6.16	1.902	27.896	34.838	41.547	2.507	0.24	4127
4400	2.262	34.893	6.17	1.874	27.896	34.840	41.550	2.595	0.23	4322
4600	2.264	34.891	6.15	1.852	27.896	34.841	41.552	2.685	0.22	4516
4800	2.243	34.888	6.15	1.807	27.897	34.844	41.556	2.777	0.42	4710
4809	2.244	34.888	6.16	1.807	27.897	34.843	41.556	2.781	-0.18	4719

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
1	21.769	36.553	4.90	0.5	0.03	0.0	21.769	25.465	37.897	1
202	16.821	36.347	5.15	1.7	0.24	4.4	16.788	26.600	39.265	200
403	12.896	35.675	3.56	7.6	1.10	18.0	12.840	26.949	39.836	401
603	8.021	35.053	3.72	14.4	1.57	24.6	7.959	27.322	40.522	599
800	5.424	35.134	5.15	12.3	1.33	20.3	5.356	27.739	41.119	794
1000	4.397	34.965	5.85	11.2	1.23	18.5	4.317	27.725	41.185	992
1157	4.233	34.957	5.95	11.1	1.20	18.2	4.141	27.737	41.211	1148
1392	4.081	34.960	5.96	11.3	1.20	18.1	3.970	27.758	41.244	1380
1601	4.001	34.981	6.01	12.2	1.21	18.3	3.872	27.785	41.278	1587
1801	3.858	34.984	6.05	13.2	1.22	18.3	3.712	27.803	41.309	1784
2002	3.685	34.976	6.00	14.1	1.23	18.3	3.522	27.816	41.337	1982
2202	3.532	34.974	6.03	15.5		18.4	3.352	27.831	41.365	2179
2398	3.401	34.970	5.99	17.0	1.24	18.6	3.204	27.842	41.388	2371
2592	3.168	34.956	6.03	17.6	1.23	18.3	2.955	27.854	41.419	2562
2805	2.968	34.944	6.08	19.2	1.24	18.3	2.738	27.864	41.447	2771
2996	2.800	34.943	6.15	20.2	1.23	18.3	2.554	27.880	41.477	2958
3249	2.581	34.926	6.15	21.8	1.23	18.3	2.314	27.887	41.504	3207
3504	2.410	34.912	6.14	25.3	1.26	18.6	2.120	27.892	41.525	3456
3704	2.339	34.910	6.18	27.2	1.28	18.9	2.028	27.897	41.538	3652
4006	2.279	34.900	6.09	29.4	1.30	19.1	1.936	27.897	41.545	3947
4253	2.262	34.898	6.08	31.6	1.32	19.4	1.891	27.899	41.551	4187
4508	2.261	34.890	6.10	33.2	1.34	19.6	1.861	27.895	41.549	4436
4707	2.266	34.892	6.07	32.3	1.32	19.4	1.841	27.898	41.554	4630
4818	2.244	34.890	6.05	33.1	1.33	19.5	1.806	27.899	41.558	4738

ENDEAVOR 129 STA= 81
DATE 27/ 4/85

LAT= 40 20.0N LON= 63 29.9W

SONIC DEPTH= 4631m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	20.401	36.463	4.93	20.400	25.773	32.123	38.266	0.007	-1.74	3
25	18.545	36.254	5.53	18.540	26.099	32.494	38.680	0.054	8.45	25
50	17.219	36.273	5.18	17.210	26.442	32.870	39.087	0.097	5.24	50
75	16.803	36.316	4.99	16.790	26.576	33.014	39.241	0.135	2.71	74
100	16.815	36.342	5.06	16.798	26.594	33.032	39.258	0.172	0.65	99
150	16.818	36.351	4.96	16.794	26.602	33.039	39.266	0.245	1.45	149
200	15.212	35.975	4.90	15.181	26.684	33.168	39.438	0.318	2.83	198
250	13.760	35.737	4.85	13.724	26.816	33.342	39.652	0.386	2.68	248
300	12.299	35.458	5.00	12.259	26.896	33.466	39.820	0.449	2.03	297
350	12.502	35.596	3.67	12.455	26.965	33.528	39.875	0.510	2.47	347
400	11.536	35.474	3.37	11.485	27.056	33.649	40.025	0.567	2.59	397
450	10.019	35.284	3.35	9.966	27.180	33.823	40.246	0.619	3.03	446
500	8.966	35.170	3.34	8.911	27.266	33.945	40.402	0.666	2.51	496
600	7.320	35.101	4.10	7.260	27.462	34.197	40.708	0.747	2.57	595
700	5.934	35.057	4.77	5.871	27.614	34.400	40.958	0.811	1.93	693
800	5.499	35.070	5.18	5.429	27.680	34.481	41.056	0.864	1.32	792
900	5.089	35.049	5.45	5.013	27.713	34.530	41.120	0.914	1.05	891
1000	4.786	35.030	5.66	4.704	27.733	34.562	41.163	0.963	0.82	990
1200	4.364	35.000	5.88	4.267	27.758	34.604	41.221	1.056	0.71	1187
1400	4.086	34.979	6.01	3.974	27.773	34.630	41.259	1.149	0.63	1385
1600	4.006	34.986	6.03	3.876	27.788	34.650	41.282	1.241	0.53	1582
1800	3.815	34.978	6.06	3.670	27.803	34.673	41.312	1.334	0.59	1778
2000	3.653	34.975	6.06	3.491	27.818	34.695	41.341	1.426	0.62	1975
2200	3.489	34.968	6.08	3.310	27.831	34.715	41.368	1.517	0.63	2172
2400	3.298	34.960	6.07	3.103	27.843	34.736	41.397	1.608	0.61	2368
2600	3.114	34.950	6.09	2.902	27.854	34.755	41.424	1.698	0.68	2564
2800	2.947	34.941	6.12	2.718	27.864	34.772	41.448	1.786	0.66	2760
3000	2.738	34.930	6.12	2.493	27.875	34.792	41.477	1.872	0.59	2956
3200	2.574	34.920	6.16	2.312	27.882	34.807	41.500	1.957	0.59	3151
3400	2.449	34.913	6.16	2.168	27.888	34.819	41.517	2.040	0.49	3347
3600	2.353	34.905	6.17	2.053	27.891	34.827	41.530	2.123	0.45	3542
3800	2.302	34.901	6.16	1.981	27.894	34.833	41.538	2.207	0.34	3737
4000	2.271	34.896	6.15	1.929	27.894	34.835	41.543	2.292	0.28	3932
4200	2.260	34.894	6.17	1.896	27.895	34.837	41.546	2.378	0.23	4127
4400	2.255	34.891	6.15	1.867	27.895	34.839	41.549	2.466	0.23	4321
4600	2.250	34.888	6.17	1.839	27.895	34.840	41.551	2.556	0.27	4516
4695	2.239	34.887	6.13	1.816	27.895	34.841	41.554	2.600	0.33	4608

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
6	19.264	36.401	5.31	0.7	0.05	0.4	19.263	26.026	38.571	6
203	15.353	36.036	4.96	2.7	0.43	6.7	15.321	26.700	39.445	202
403	11.829	35.527	3.46	9.3	1.25	20.1	11.776	27.042	39.993	401
601	7.557	35.127	4.00	13.7	1.50	23.3	7.496	27.448	40.678	597
802	5.678	35.082	5.05	12.4	1.33	20.4	5.607	27.667	41.030	796
1000	4.820	35.036	5.59	11.8	1.26	19.2	4.737	27.734	41.162	992
1199	4.248	34.984	5.91	11.6	1.22	18.4	4.153	27.757	41.230	1189
1402	4.076	34.981	6.00	11.9	1.22	18.3	3.963	27.775	41.262	1389
1601	3.962	34.978	6.01	12.1	1.21	18.2	3.833	27.786	41.283	1586
1801	3.863		6.01	12.9	1.21	18.2				1783
1997	3.686	34.980	6.01	14.2	1.23	18.4	3.524	27.819	41.339	1977
2203	3.483	34.972	6.06	15.4	1.23	18.3	3.304	27.834	41.372	2179
2402	3.325	34.963	6.08	16.8	1.23	18.3	3.129	27.844	41.395	2375
2598	3.120	34.952	6.10	17.9	1.24	18.3	2.908	27.855	41.424	2568
2803	2.957	34.949	6.10	19.6	1.24	18.3	2.728	27.869	41.453	2769
3006	2.750	34.933	6.14	20.9	1.24	18.3	2.504	27.876	41.478	2968
3204	2.589	34.925		22.0	1.24	18.3	2.326	27.885	41.501	3162
3404	2.458	34.912	6.19	24.3	1.25	18.4	2.177	27.887	41.515	3358
3605	2.367	34.907	6.16	25.6	1.26	18.4	2.066	27.892	41.529	3555
3805	2.301	34.902	6.13	27.6	1.28	18.7	1.980	27.895	41.539	3750
4005	2.273	34.897	6.10	29.2	1.29	19.0	1.930	27.895	41.544	3946
4206	2.257	34.895	6.10	30.6	1.31	19.2	1.892	27.896	41.548	4142
4407	2.253	34.892	6.08	31.0	1.31	19.1	1.865	27.896	41.550	4338
4705	2.240	34.888	6.08	33.2	1.33	19.4	1.815	27.897	41.555	4628

ENDEAVOR 129 STA= 82
DATE 27/ 4/85

LAT= 40 29.1N LON= 63 40.2W

SONIC DEPTH= 4518m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	17.308	36.146	5.18	17.307	26.321	32.747	38.964	0.005	5.45	3
25	16.165	36.150	5.38	16.161	26.596	33.052	39.296	0.040	4.77	25
50	16.148	36.192	5.09	16.140	26.633	33.089	39.333	0.075	2.19	50
75	15.075	35.943	5.19	15.063	26.686	33.173	39.446	0.110	2.54	74
100	14.468	35.828	5.36	14.453	26.731	33.235	39.526	0.144	2.53	99
150	13.639	35.739	5.15	13.618	26.839	33.368	39.681	0.208	1.91	149
200	12.661	35.543	5.10	12.634	26.888	33.447	39.789	0.270	2.20	198
250	11.996	35.479	4.28	11.963	26.969	33.548	39.910	0.329	2.75	248
300	11.048	35.406	3.43	11.011	27.091	33.700	40.090	0.384	2.88	297
350	9.303	35.197	3.34	9.264	27.230	33.897	40.342	0.432	3.13	347
400	8.162	35.117	3.60	8.120	27.348	34.054	40.536	0.475	2.47	397
450	7.580	35.125	4.01	7.535	27.441	34.167	40.668	0.512	2.47	446
500	6.982	35.103	4.30	6.934	27.509	34.256	40.778	0.546	2.16	496
600	5.715	35.052	4.96	5.663	27.637	34.430	40.996	0.605	1.83	595
700	5.317	35.056	5.33	5.258	27.690	34.498	41.078	0.655	1.09	693
800	4.788	35.010	5.59	4.723	27.715	34.544	41.144	0.703	0.93	792
900	4.552	34.999	5.74	4.480	27.734	34.572	41.181	0.750	0.86	891
1000	4.454	35.007	5.84	4.374	27.752	34.594	41.207	0.795	0.66	990
1200	4.159	34.982	5.97	4.064	27.765	34.619	41.244	0.885	0.59	1187
1400	4.009	34.979	6.03	3.898	27.780	34.641	41.272	0.975	0.57	1385
1600	3.879	34.978	6.04	3.751	27.795	34.661	41.298	1.066	0.63	1582
1800	3.713	34.975	6.06	3.569	27.811	34.684	41.328	1.156	0.61	1778
2000	3.531	34.970	6.05	3.371	27.826	34.708	41.359	1.246	0.61	1975
2200	3.346	34.963	6.06	3.169	27.840	34.730	41.388	1.334	0.61	2172
2400	3.159	34.954	6.05	2.965	27.852	34.750	41.416	1.421	0.64	2368
2600	2.982	34.946	6.09	2.772	27.863	34.768	41.442	1.507	0.58	2564
2800	2.817	34.936	6.12	2.591	27.871	34.784	41.465	1.592	0.57	2760
3000	2.648	34.926	6.16	2.405	27.879	34.800	41.489	1.676	0.58	2956
3200	2.480	34.916	6.15	2.220	27.887	34.816	41.512	1.759	0.56	3151
3400	2.378	34.909	6.17	2.099	27.891	34.825	41.526	1.841	0.46	3347
3600	2.328	34.905	6.16	2.029	27.893	34.830	41.533	1.923	0.36	3542
3800	2.279	34.900	6.15	1.959	27.895	34.834	41.541	2.006	0.33	3737
4000	2.257	34.896	6.15	1.915	27.895	34.837	41.545	2.090	0.27	3932
4200	2.245	34.894	6.18	1.881	27.896	34.839	41.549	2.176	0.26	4127
4400	2.238	34.892	6.19	1.850	27.897	34.841	41.552	2.263	0.30	4321
4579	2.215	34.887	6.09	1.807	27.896	34.842	41.555	2.343	0.19	4495

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
9	17.104	36.127	5.59	1.3	0.12	1.2	17.102	26.356	39.009	9
202	12.712	35.571	4.84	5.0	0.78	12.2	12.684	26.899	39.797	201
401	8.179	35.120	3.58	15.1	1.62	25.6	8.137	27.348	40.535	399
601	5.819	35.060	4.61	12.9	1.36	21.1	5.767	27.630	40.982	597
800	4.766	35.014	5.53	11.7	1.26	19.3	4.701	27.721	41.151	794
1000	4.428	35.004	5.84	11.6	1.22	18.7	4.348	27.752	41.209	992
1200	4.141	34.986	5.95	11.6	1.21	18.3	4.046	27.770	41.251	1190
1401	3.995	34.982	6.00	12.0	1.22	18.3	3.883	27.784	41.277	1389
1599	3.877	34.982	6.01	12.8	1.22	18.3	3.749	27.798	41.301	1584
1799	3.708	34.977	5.99	13.7	1.22	18.3	3.564	27.813	41.330	1782
2000	3.519	34.971	5.99	15.1	1.23	18.4	3.359	27.828	41.361	1979
2201	3.346	34.965	6.00	16.3	1.23	18.4	3.169	27.841	41.390	2177
2400	3.165	34.956	6.06	17.6	1.23	18.4	2.972	27.853	41.417	2373
2602	2.995	34.947	6.08	19.1	1.24	18.4	2.785	27.863	41.441	2571
2802	2.833	34.937	6.10	19.9	1.23	18.3	2.606	27.870	41.464	2768
3003	2.665	34.928	6.12	21.0	1.23	18.3	2.421	27.879	41.488	2966
3203	2.502	34.919	6.13	22.6	1.24	18.4	2.241	27.887	41.510	3162
3405	2.390	34.910	6.18	24.4	1.25	18.4	2.111	27.891	41.524	3359
3603	2.332	34.905	6.15	26.4	1.27	18.7	2.033	27.893	41.533	3553
3808	2.273	34.900	6.10	28.3	1.29	19.1	1.953	27.895	41.542	3754
4009	2.253	34.896	6.10	29.3	1.30	19.2	1.911	27.895	41.546	3950
4207	2.246	34.895	6.10	28.9	1.29	19.0	1.881	27.897	41.550	4143
4481	2.220	34.890	6.08	31.3	1.31	19.2	1.824	27.897	41.555	4410
4586	2.216	34.890	6.06	33.0	1.34	19.5	1.807	27.899	41.558	4512

ENDEAVOR 129 STA= 83 LAT= 40 45.0N LON= 63 40.0W SONIC DEPTH= 4174m
 DATE 27/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	19.075	36.333	4.79	19.074	26.022	32.404	38.578	0.006	2.14	3
25	16.622	36.029	6.17	16.618	26.396	32.841	39.075	0.047	8.67	25
50	14.779	35.821	5.55	14.771	26.656	33.152	39.434	0.084	5.04	50
75	14.442	35.836	5.53	14.431	26.742	33.247	39.538	0.118	2.27	74
100	13.788	35.734	5.37	13.773	26.803	33.327	39.637	0.150	2.04	99
150	13.441	35.700	5.20	13.420	26.850	33.385	39.704	0.213	1.86	149
200	12.447	35.555	4.64	12.420	26.939	33.504	39.853	0.273	2.79	198
250	11.580	35.461	3.61	11.548	27.034	33.626	40.000	0.329	2.55	248
300	10.492	35.333	3.31	10.456	27.133	33.760	40.168	0.381	2.42	297
350	9.493	35.234	3.37	9.454	27.227	33.887	40.327	0.428	2.46	347
400	8.435	35.146	3.59	8.392	27.329	34.025	40.498	0.472	2.23	397
450	7.799	35.132	3.92	7.753	27.415	34.133	40.627	0.511	2.80	446
500	6.953	35.083	4.24	6.905	27.497	34.246	40.769	0.546	2.18	496
600	5.841	35.052	4.88	5.788	27.621	34.409	40.971	0.606	1.81	595
700	5.221	35.029	5.29	5.163	27.679	34.491	41.075	0.658	1.28	693
800	4.901	35.017	5.53	4.836	27.708	34.532	41.128	0.706	1.00	792
900	4.669	35.006	5.69	4.596	27.726	34.560	41.165	0.753	0.79	891
1000	4.461	34.994	5.80	4.381	27.741	34.583	41.196	0.800	0.68	990
1200	4.200	34.983	5.99	4.104	27.762	34.614	41.237	0.891	0.64	1187
1400	4.050	34.984	5.99	3.939	27.780	34.639	41.269	0.982	0.61	1385
1600	3.891	34.980	6.06	3.763	27.795	34.661	41.297	1.073	0.56	1582
1800	3.756	34.976	6.04	3.611	27.807	34.679	41.321	1.164	0.57	1778
2000	3.601	34.973	6.05	3.439	27.822	34.701	41.349	1.255	0.65	1975
2200	3.417	34.967	6.05	3.239	27.837	34.723	41.379	1.344	0.64	2172
2400	3.236	34.957	6.08	3.041	27.847	34.742	41.406	1.433	0.56	2368
2600	3.080	34.948	6.09	2.869	27.856	34.758	41.428	1.522	0.60	2564
2800	2.932	34.941	6.14	2.703	27.865	34.774	41.451	1.609	0.56	2760
3000	2.785	34.933	6.15	2.539	27.873	34.789	41.472	1.696	0.60	2956
3200	2.627	34.924	6.17	2.364	27.881	34.804	41.494	1.782	0.61	3151
3400	2.479	34.915	6.19	2.197	27.888	34.818	41.514	1.866	0.48	3347
3600	2.393	34.910	6.24	2.092	27.892	34.826	41.527	1.950	0.47	3542
3800	2.318	34.904	6.26	1.997	27.895	34.833	41.538	2.034	0.40	3737
4000	2.272	34.901	6.27	1.930	27.898	34.839	41.546	2.118	0.36	3932
4200	2.251	34.897	6.27	1.886	27.898	34.841	41.551	2.204	0.30	4127
4400	2.223	34.892	6.17	1.836	27.898	34.843	41.555	2.291	0.22	4321
4405	2.223	34.892	6.18	1.835	27.898	34.843	41.555	2.293	0.37	4326

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
0	18.600	36.258	5.34	1.4	0.07	0.5	18.600	26.086	38.665	0
203	12.715	35.568	4.99	4.5	0.74	11.4	12.687	26.896	39.794	201
403	8.510	35.153	3.51	14.5	1.59	25.2	8.467	27.323	40.487	400
602	6.011	35.054	4.74	13.3	1.41	21.6	5.958	27.601	40.939	597
802	4.957	35.021	5.43	12.2	1.29	19.6	4.891	27.705	41.121	796
1000	4.483	34.996	5.78	11.8	1.24	18.9	4.403	27.740	41.193	992
1202	4.234	34.989	5.91	11.8	1.22	18.5	4.138	27.763	41.236	1192
1401	4.074	34.985	5.99	11.9	1.22	18.4	3.962	27.778	41.265	1388
1601	3.907	34.982	6.01	12.6	1.21	18.4	3.778	27.795	41.296	1586
1801	3.744	34.977	6.05	13.6	1.22	18.3	3.599	27.809	41.324	1784
1995	3.670	34.975		14.2	1.22	18.3	3.508	27.817	41.338	1974
2199	3.388	34.967	6.05	16.2	1.23	18.4	3.210	27.839	41.384	2175
2373	3.255	34.957	6.08	16.8	1.22	18.4	3.063	27.845	41.402	2347
2601	3.077	34.951	6.12	17.8	1.22	18.3	2.866	27.858	41.431	2571
2803	2.952	34.942	6.15	18.8	1.23	18.3	2.722	27.864	41.448	2769
3004	2.798	34.935	6.16	19.7	1.23	18.2	2.551	27.874	41.471	2966
3203	2.628	34.924	6.20	20.5	1.22	18.1	2.364	27.881	41.494	3162
3404	2.488	34.915	6.22	22.3	1.22	18.2	2.207	27.887	41.513	3358
3606	2.390	34.909	6.22	22.3	1.21	18.9	2.089	27.892	41.527	3556
3805	2.318	34.904	6.25	23.2	1.22	17.9	1.996	27.895	41.538	3750
4006	2.271	34.900	6.22	24.4	1.22	18.0	1.928	27.897	41.546	3946
4106	2.256	34.898	6.25	24.7	1.23	18.0	1.902	27.898	41.549	4044
4307	2.227	34.897	6.19	26.8	1.25	18.2	1.851	27.901	41.556	4241
4413	2.224	34.893	6.18	28.5	1.28	18.7	1.835	27.899	41.556	4344

ENDEAVOR 129 STA= 84 LAT= 40 59.9N LON= 63 40.1W SONIC DEPTH= 4149m
 DATE 27/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	17.690	36.243	4.05	17.690	26.303	32.718	38.925	0.002	-1.28	1
25	17.339	36.175	5.47	17.334	26.337	32.762	38.977	0.043	6.89	25
50	14.445	35.790	5.00	14.438	26.705	33.210	39.501	0.079	3.44	50
75	14.119	35.793	5.11	14.108	26.778	33.292	39.592	0.112	2.67	74
100	13.645	35.735	5.16	13.631	26.834	33.362	39.675	0.144	1.93	99
150	12.763	35.567	4.94	12.742	26.885	33.440	39.780	0.205	2.32	149
200	12.128	35.514	4.51	12.101	26.970	33.544	39.902	0.263	2.54	198
250	11.208	35.429	3.43	11.177	27.078	33.681	40.067	0.317	2.49	248
300	9.933	35.265	3.39	9.898	27.177	33.822	40.247	0.366	2.39	297
350	8.813	35.167	3.44	8.775	27.285	33.968	40.429	0.412	2.56	347
400	7.975	35.120	3.70	7.934	27.378	34.090	40.578	0.452	2.54	397
450	7.373	35.096	4.00	7.329	27.448	34.181	40.690	0.489	1.93	446
500	6.765	35.080	4.35	6.718	27.521	34.276	40.805	0.522	2.06	496
600	5.803	35.051	4.86	5.751	27.625	34.415	40.978	0.581	1.67	594
700	5.272	35.034	5.22	5.213	27.677	34.487	41.070	0.633	1.27	693
800	4.973	35.026	5.47	4.907	27.707	34.528	41.122	0.682	0.99	792
900	4.690	35.009	5.64	4.617	27.727	34.559	41.163	0.730	0.88	891
1000	4.468	34.994	5.80	4.388	27.740	34.582	41.194	0.776	0.67	990
1200	4.199	34.980	5.96	4.103	27.760	34.613	41.236	0.868	0.65	1187
1400	3.883	34.954	6.11	3.773	27.773	34.639	41.275	0.959	0.62	1384
1600	3.742	34.959	6.12	3.616	27.793	34.666	41.307	1.049	0.61	1582
1800	3.641	34.970	6.08	3.498	27.813	34.690	41.336	1.138	0.63	1778
2000	3.461	34.968	6.05	3.302	27.831	34.716	41.369	1.227	0.65	1975
2200	3.270	34.960	6.06	3.095	27.845	34.737	41.399	1.313	0.64	2172
2400	3.008	34.942	6.16	2.818	27.856	34.760	41.432	1.399	0.64	2368
2600	2.844	34.934	6.16	2.637	27.865	34.777	41.456	1.483	0.59	2564
2800	2.688	34.926	6.23	2.465	27.874	34.793	41.479	1.565	0.60	2760
3000	2.552	34.919	6.27	2.311	27.882	34.807	41.499	1.647	0.51	2956
3200	2.453	34.914	6.28	2.193	27.887	34.817	41.514	1.729	0.49	3151
3400	2.368	34.909	6.29	2.089	27.892	34.826	41.527	1.810	0.43	3347
3600	2.310	34.905	6.27	2.011	27.895	34.832	41.537	1.891	0.38	3542
3800	2.268	34.902	6.27	1.949	27.897	34.838	41.544	1.974	0.42	3737
4000	2.202	34.894	6.20	1.862	27.897	34.841	41.552	2.057	0.39	3932
4165	2.173	34.889	6.13	1.815	27.897	34.843	41.555	2.126	0.07	4093

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
2	17.182	36.173	5.59	1.5	0.10	0.5	17.182	26.372	39.020	2
202	12.175	35.556	3.94	8.0	1.11	18.0	12.148	26.993	39.922	200
302	9.611	35.236	3.45	13.1	1.50	24.0	9.576	27.209	40.300	300
401	7.821	35.123	3.84	14.4	1.55	24.3	7.780	27.404	40.614	398
500	6.576	35.085	4.42	13.5	1.45	22.5	6.529	27.551	40.848	496
602	5.731	35.053	4.95	12.8	1.36	21.0	5.679	27.635	40.994	598
802	4.954	35.031	5.51	11.7	1.27	19.4	4.888	27.713	41.129	796
1000	4.542	35.007	5.73	11.4	1.24	18.9	4.461	27.742	41.191	992
1200	4.242	34.992	5.92	11.4	1.22	18.5	4.147	27.764	41.237	1190
1396	3.902	34.957	6.07	11.4	1.19	18.0	3.792	27.774	41.274	1383
1600	3.820	34.972	6.06	12.4	1.21	18.1	3.693	27.796	41.303	1585
1801	3.615	34.964	6.08	13.4	1.20	18.1	3.472	27.811	41.336	1784
2000	3.506	34.972	6.01	15.3	1.23	18.3	3.346	27.830	41.364	1979
2200	3.291	34.963	6.03	16.8	1.24	18.4	3.115	27.845	41.397	2176
2402	3.033	34.945	6.12	16.5	1.20	17.9	2.842	27.856	41.430	2375
2602	2.858	34.938	6.18	17.9	1.21	17.9	2.651	27.867	41.457	2571
2803	2.693	34.927	6.22	16.7	1.18	17.3	2.469	27.874	41.479	2769
3003	2.542	34.919	6.27	16.9	1.16	17.2	2.301	27.882	41.500	2965
3204	2.445	34.915	6.30	17.6	1.16	17.1	2.186	27.889	41.516	3162
3404	2.368	34.912	6.30	19.2	1.17	17.3	2.089	27.894	41.530	3358
3606	2.308	34.905	6.30	20.2	1.18	17.3	2.009	27.895	41.537	3555
3805	2.266	34.904	6.28	21.9	1.20	17.6	1.947	27.899	41.546	3750
4010	2.204	34.898	6.21	26.4	1.25	18.2	1.863	27.901	41.555	3951
4171	2.174	34.888	6.13	31.7	1.31	19.2	1.815	27.897	41.555	4108

ENDEAVOR 129 STA= 85 LAT= 41 14.9N LON= 63 40.7W SONIC DEPTH= 3828m
 DATE 27/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	18.617	36.262	4.94	18.616	26.085	32.479	38.663	0.006	4.37	3
25	16.130	35.952	5.36	16.126	26.452	32.911	39.157	0.045	7.62	25
50	15.252	35.977	4.10	15.244	26.672	33.153	39.422	0.082	3.85	50
75	14.170	35.795	5.34	14.159	26.769	33.282	39.580	0.115	3.01	74
100	13.924	35.773	5.32	13.910	26.805	33.325	39.630	0.147	1.69	99
150	13.416	35.684	5.16	13.395	26.843	33.379	39.699	0.209	1.74	149
200	12.641	35.568	4.75	12.614	26.911	33.470	39.813	0.270	2.38	198
250	11.837	35.491	3.79	11.805	27.008	33.592	39.959	0.328	2.77	248
300	10.674	35.366	3.33	10.638	27.127	33.748	40.149	0.380	2.54	297
350	9.537	35.231	3.30	9.497	27.218	33.877	40.315	0.428	2.30	347
400	8.635	35.133	3.38	8.592	27.288	33.977	40.444	0.473	2.30	397
450	7.967	35.123	3.76	7.921	27.383	34.095	40.584	0.514	2.37	446
500	7.318	35.093	4.05	7.269	27.454	34.190	40.700	0.550	2.57	496
600	6.000	35.054	4.74	5.946	27.603	34.385	40.942	0.613	1.76	594
700	5.386	35.041	5.17	5.326	27.669	34.475	41.053	0.666	1.41	693
800	5.024	35.034	5.43	4.958	27.707	34.527	41.118	0.716	1.04	792
900	4.730	35.016	5.63	4.657	27.727	34.559	41.161	0.763	0.87	891
1000	4.497	34.998	5.76	4.417	27.740	34.580	41.192	0.809	0.75	990
1200	4.216	34.985	5.94	4.121	27.762	34.614	41.237	0.901	0.62	1187
1400	4.049	34.981	6.00	3.937	27.778	34.637	41.266	0.992	0.59	1384
1600	3.876	34.973	6.01	3.748	27.791	34.658	41.294	1.083	0.58	1581
1800	3.646	34.963	6.09	3.503	27.807	34.684	41.330	1.174	0.62	1778
2000	3.572	34.974	6.04	3.410	27.826	34.706	41.355	1.263	0.63	1975
2200	3.383	34.967	6.02	3.206	27.839	34.728	41.385	1.353	0.69	2171
2400	3.107	34.953	6.05	2.915	27.856	34.756	41.424	1.440	0.67	2368
2600	2.922	34.940	6.13	2.714	27.863	34.772	41.448	1.525	0.63	2564
2800	2.737	34.932	6.17	2.512	27.875	34.791	41.476	1.609	0.63	2760
3000	2.548	34.920	6.25	2.307	27.883	34.808	41.500	1.691	0.67	2956
3200	2.412	34.914	6.27	2.154	27.890	34.822	41.520	1.772	0.51	3151
3400	2.337	34.909	6.29	2.059	27.894	34.830	41.532	1.852	0.43	3347
3600	2.262	34.903	6.28	1.965	27.897	34.837	41.543	1.932	0.44	3542
3800	2.191	34.897	6.14	1.874	27.899	34.842	41.552	2.013	0.41	3737
3865	2.151	34.892	6.09	1.828	27.899	34.844	41.556	2.039	0.39	3800

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
7	18.416	36.208	5.38	1.4	0.10	0.6	18.415	26.095	38.683	7
104	13.905	35.770	5.39	2.9	0.49	7.3	13.890	26.806	39.633	103
202	12.575		4.62	5.6	0.85	13.3				201
302	10.658	35.370	3.30	11.5	1.42	22.6	10.622	27.133	40.156	301
402	8.612	35.133	3.33	15.5	1.66	25.9	8.569	27.291	40.450	399
507	7.047	35.089	4.09	14.2	1.51	23.4	6.999	27.489	40.754	503
601	6.046	35.057	4.68	13.4	1.42	21.7	5.993	27.599	40.935	597
701	5.497	35.047	5.09	12.5	1.34	20.4	5.437	27.661	41.036	696
900	4.752		5.61	11.7	1.25	19.0				893
1100	4.358	34.994	5.82	11.6	1.22	18.5	4.270	27.753	41.216	1091
1299	4.175	34.988	5.94	11.8	1.21	18.3	4.072	27.769	41.248	1288
1500	3.993		5.98	12.2	1.21	18.2				1487
1700	3.758	34.966	6.06	12.5	1.20	18.0	3.622	27.798	41.311	1684
1900	3.661	34.977	6.06	14.2	1.22	18.2	3.508	27.818	41.340	1881
2100	3.463	34.971	6.07	15.6	1.22	18.2	3.294	27.834	41.373	2078
2301	3.263	34.958	6.08	16.8	1.22		3.078	27.844	41.400	2276
2502	3.033	34.946		16.6	1.20	17.8	2.832	27.858	41.433	2473
2704	2.822	34.934	6.21	17.3	1.19	17.7	2.605	27.868	41.462	2672
2903	2.652	34.927	6.23	18.2	1.18	17.5	2.418	27.879	41.487	2867
3103	2.460	34.918	6.34	17.1	1.14	16.9	2.211	27.889	41.514	3064
3304	2.385	34.912	6.34	18.2	1.15	17.0	2.117	27.892	41.525	3260
3505	2.298	34.905	6.33	20.3	1.17	17.3	2.010	27.895	41.537	3457
3773	2.198	34.897	6.26	25.8	1.23	18.1	1.884	27.898	41.551	3719
3875	2.151	34.891	6.16	30.0	1.29	18.9	1.826	27.898	41.555	3818

ENDEAVOR 129 STA= 86
DATE 27/ 4/85

LAT= 41 29.9N LON= 63 40.0W

SONIC DEPTH= 3492m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	11.252	34.487	5.76	11.252	26.331	32.942	39.335	0.005	6.82	3
25	14.078	35.557	5.61	14.074	26.602	33.120	39.423	0.039	4.95	25
50	15.740	36.139	5.21	15.732	26.686	33.153	39.408	0.073	0.64	50
75	15.779	36.148	5.19	15.767	26.686	33.151	39.405	0.108	0.28	74
100	15.677	36.120	5.18	15.661	26.688	33.157	39.414	0.142	0.78	99
150	15.385	36.048	5.18	15.361	26.701	33.178	39.443	0.211	2.18	149
200	13.913	35.783	4.67	13.884	26.818	33.338	39.644	0.278	2.95	198
250	12.921	35.660	3.89	12.887	26.928	33.478	39.813	0.339	2.57	248
300	11.824	35.524	3.58	11.784	27.038	33.622	39.989	0.396	2.61	297
350	10.330	35.319	3.32	10.288	27.152	33.784	40.197	0.448	2.28	347
400	9.493	35.226	3.31	9.448	27.222	33.882	40.322	0.496	2.54	396
450	8.537	35.150	3.52	8.489	27.317	34.010	40.481	0.541	2.67	446
500	7.535	35.101	3.87	7.485	27.429	34.157	40.660	0.580	2.75	496
600	6.070	35.056	4.68	6.017	27.595	34.375	40.929	0.644	2.03	594
700	5.343	35.042	5.16	5.284	27.676	34.483	41.062	0.697	1.31	693
800	4.789	34.999	5.57	4.725	27.706	34.535	41.135	0.746	1.03	792
900	4.586	34.993	5.69	4.514	27.726	34.562	41.170	0.793	0.89	891
1000	4.384	34.982	5.83	4.304	27.739	34.584	41.200	0.839	0.64	990
1200	4.053	34.954	6.04	3.959	27.754	34.613	41.242	0.931	0.59	1187
1400	3.894	34.949	6.10	3.784	27.768	34.634	41.270	1.023	0.60	1384
1600	3.793	34.957	6.09	3.666	27.787	34.657	41.297	1.115	0.56	1581
1800	3.689	34.961	6.06	3.545	27.802	34.677	41.321	1.206	0.60	1778
2000	3.525	34.958	6.08	3.365	27.817	34.699	41.350	1.297	0.58	1975
2200	3.369	34.953	6.13	3.192	27.829	34.718	41.376	1.388	0.64	2171
2400	3.159	34.945	6.15	2.966	27.844	34.742	41.409	1.477	0.69	2368
2600	2.979	34.939	6.17	2.769	27.857	34.763	41.438	1.564	0.63	2564
2800	2.795	34.930	6.20	2.569	27.868	34.783	41.465	1.650	0.66	2760
3000	2.614	34.922	6.26	2.372	27.878	34.801	41.491	1.734	0.60	2956
3200	2.472	34.914	6.28	2.213	27.886	34.815	41.511	1.816	0.58	3151
3400	2.342	34.907	6.30	2.064	27.892	34.828	41.530	1.897	0.52	3347
3505	2.295	34.905	6.26	2.008	27.895	34.833	41.537	1.939	0.45	3449

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
7	11.360	34.508	6.15	0.9	0.37	3.2	11.359	26.327	39.324	6
103	15.589	36.088	5.25	1.9	0.34	5.3	15.573	26.684	39.414	103
204	14.112	35.848	4.60	4.1	0.69	10.8	14.083	26.826	39.640	203
302	12.011	35.561	3.66	8.5	1.18	19.0	11.971	27.031	39.970	300
401	9.465	35.233	3.33	13.6	1.59	25.2	9.419	27.232	40.334	399
602	5.905	35.052	4.75	13.2	1.42		5.852	27.613	40.959	598
700	5.258	35.031	5.23	12.6	1.34	20.3	5.199	27.677	41.070	695
801	4.738	34.996	5.60	11.7	1.27	19.2	4.673	27.710	41.143	795
1001	4.236	34.958	5.99	11.1	1.22	18.3	4.158	27.736	41.209	993
1100	4.148	34.959	6.00	11.1	1.22	18.2	4.062	27.747	41.227	1091
1201	4.034	34.952	6.06	11.1	1.21	18.1	3.940	27.754	41.244	1191
1299	3.977	34.952	6.07	11.3	1.21	18.1	3.875	27.761	41.255	1288
1402	3.906	34.953	6.08	11.5	1.21	18.1	3.796	27.770	41.270	1389
1600	3.823	34.960	6.10	12.1	1.21	18.1	3.695	27.786	41.293	1585
1801	3.703	34.962	6.09	12.6	1.21	18.1	3.559	27.801	41.319	1783
2001	3.559	34.960	6.12	13.7	1.21	18.1	3.398	27.815	41.346	1981
2402	3.170	34.947	6.15	15.3		18.0	2.976	27.845	41.409	2375
2603	2.991	34.941	6.21	16.5	1.20	17.8	2.781	27.858	41.438	2572
2807	2.789	34.931	6.26	16.5	1.18	17.7	2.563	27.869	41.466	2773
3006	2.604	34.921	6.28	16.9	1.17	17.4	2.361	27.879	41.492	2968
3196	2.480	34.920	6.29	18.0	1.18	17.2	2.221	27.890	41.514	3154
3404	2.339	34.911	6.36	19.0	1.17	17.1	2.060	27.896	41.533	3358
3512	2.296	34.906	6.33	20.4	1.18	17.2	2.007	27.896	41.538	3464

ENDEAVOR 129 STA= 87
DATE 27/ 4/85

LAT= 41 44.9N LON= 63 40.0W

SONIC DEPTH= 3087m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-0 kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	15.342	35.930	4.85	15.341	26.614	33.093	39.360	0.004	-1.11	3
25	15.007	35.848	5.77	15.003	26.626	33.115	39.391	0.035	1.60	25
50	14.982	35.911	5.60	14.975	26.681	33.171	39.447	0.071	3.91	50
75	14.322	35.801	5.51	14.311	26.741	33.250	39.544	0.104	1.39	74
100	14.232	35.793	5.54	14.218	26.755	33.266	39.563	0.137	1.68	99
150	13.974	35.763	5.48	13.952	26.788	33.307	39.611	0.202	1.64	149
200	13.227	35.656	4.78	13.199	26.862	33.403	39.729	0.265	2.21	198
250	12.452	35.567	4.05	12.418	26.949	33.514	39.862	0.325	2.81	248
300	11.272	35.430	3.43	11.234	27.068	33.670	40.053	0.381	2.80	297
350	9.939	35.273	3.27	9.898	27.183	33.828	40.253	0.431	2.42	347
400	8.974	35.176	3.40	8.930	27.268	33.946	40.402	0.477	2.34	396
450	8.045	35.121	3.67	7.999	27.370	34.079	40.566	0.518	2.55	446
500	7.269	35.097	4.05	7.220	27.465	34.201	40.714	0.555	2.40	495
600	6.189	35.063	4.64	6.135	27.585	34.361	40.911	0.619	1.89	594
700	5.434	35.034	5.08	5.375	27.658	34.462	41.038	0.674	1.41	693
800	5.072	35.030	5.37	5.005	27.698	34.516	41.106	0.724	1.01	792
900	4.745	35.012	5.58	4.672	27.723	34.553	41.155	0.772	0.88	891
1000	4.509	34.996	5.75	4.429	27.737	34.577	41.188	0.819	0.70	990
1200	4.284	34.987	5.87	4.188	27.756	34.605	41.225	0.912	0.62	1187
1400	4.074	34.978	5.98	3.962	27.772	34.631	41.259	1.004	0.61	1384
1600	3.939	34.975	6.02	3.810	27.786	34.650	41.285	1.097	0.55	1581
1800	3.779	34.973	6.04	3.634	27.803	34.674	41.315	1.189	0.57	1778
2000	3.572	34.958	6.09	3.411	27.813	34.693	41.342	1.281	0.60	1975
2200	3.397	34.952	6.13	3.219	27.826	34.714	41.371	1.373	0.70	2171
2400	3.208	34.944	6.14	3.014	27.840	34.736	41.400	1.463	0.60	2368
2600	3.034	34.939	6.15	2.823	27.852	34.756	41.428	1.552	0.65	2564
2800	2.867	34.932	6.20	2.640	27.864	34.775	41.455	1.639	0.66	2760
3000	2.689	34.925	6.22	2.445	27.875	34.794	41.481	1.725	0.64	2955
3083	2.499	34.918	6.19	2.251	27.886	34.813	41.508	1.759	1.22	3037

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-0 kg/m3	SIG-3 kg/m3	DE m
1	15.367	35.888	5.77	1.3	0.19	1.4	15.367	26.576	39.321	1
103	14.317	35.797	5.50	2.4	0.43	5.7	14.302	26.740	39.543	102
203	13.377	35.678	4.79	4.8	0.72	11.1	13.349	26.848	39.706	201
303	11.413	35.448	3.37	10.6	1.33	21.2	11.374	27.056	40.033	301
402	8.809	35.168	3.43	14.7	1.60	25.2	8.765	27.288	40.433	400
501	7.292	35.099	4.05	14.3	1.52	23.9	7.243	27.463	40.710	498
602	6.138	35.062	4.81	13.5	1.42	21.8	6.084	27.591	40.920	598
702	5.357	35.034	5.15	12.6	1.33	20.3	5.297	27.667	41.053	697
796	5.129	35.036	5.37	12.3	1.29	19.7	5.062	27.697	41.100	791
901	4.773	35.013	5.58	12.0	1.26	19.3	4.699	27.720	41.151	894
1001	4.548	35.006	5.71	11.8	1.24	18.7	4.467	27.741	41.189	994
1101	4.412	34.998	5.84	11.7	1.23	18.5	4.323	27.750	41.209	1092
1201	4.294	34.993	5.88	11.9	1.22	18.4	4.198	27.760	41.228	1191
1300	4.187	34.987	5.94	11.9	1.22	18.4	4.083	27.767	41.245	1289
1400	4.066	34.978	6.00	11.9	1.21	18.3	3.954	27.774	41.261	1388
1598	3.957	34.980	6.03	12.7	1.21	18.3	3.828	27.788	41.285	1583
1800	3.811	34.981	6.07	13.3	1.21	18.4	3.666	27.806	41.315	1782
2001	3.575		6.05	13.5	1.20	18.0				1981
2201	3.410	34.957	6.15	14.5	1.20	18.0	3.232	27.829	41.373	2177
2403	3.208	34.947	6.16	15.2	1.19	17.7	3.014	27.842	41.402	2376
2603	3.040	34.940	6.20	15.5	1.18	17.5	2.829	27.853	41.429	2573
2803	2.872	34.934	6.23	16.4	1.17	17.4	2.644	27.865	41.455	2769
3006	2.689		6.20	16.8	1.17	17.2				2968
3089	2.500	34.921	6.27	18.0	1.17	17.2	2.251	27.888	41.510	3049

ENDEAVOR 129 STA= 88 LAT= 41 59.9N LON= 63 40.3W SONIC DEPTH= 2494m
 DATE 28/ 4/85

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
1	12.870	35.191	5.06	12.870	26.568	33.123	39.463	0.001	-0.54	1
25	13.199	35.305	5.90	13.196	26.590	33.135	39.465	0.036	3.66	25
50	14.469	35.805	5.42	14.461	26.711	33.216	39.506	0.071	1.92	50
75	14.625	35.856	5.39	14.613	26.718	33.218	39.504	0.104	0.72	74
100	14.602	35.859	5.31	14.587	26.726	33.226	39.513	0.138	1.53	99
150	14.390	35.834	5.31	14.368	26.754	33.261	39.554	0.205	1.15	149
200	14.173	35.797	5.12	14.144	26.773	33.287	39.586	0.271	2.42	198
250	13.017	35.643	4.51	12.982	26.896	33.443	39.775	0.334	2.25	248
300	11.529	35.463	3.60	11.490	27.046	33.640	40.016	0.393	3.65	297
350	10.119	35.304	3.36	10.077	27.176	33.816	40.235	0.444	2.41	347
400	9.123	35.188	3.35	9.079	27.253	33.926	40.377	0.490	2.81	396
450	8.218	35.141	3.65	8.171	27.359	34.063	40.543	0.533	2.51	446
500	7.196	35.088	4.04	7.147	27.468	34.208	40.722	0.570	2.62	495
600	6.072	35.064	4.70	6.018	27.601	34.381	40.935	0.632	1.77	594
700	5.359	35.044	5.15	5.300	27.675	34.481	41.060	0.685	1.40	693
800	4.835	35.000	5.50	4.770	27.702	34.529	41.128	0.734	0.95	792
900	4.527	34.981	5.75	4.456	27.722	34.562	41.172	0.782	0.83	891
1000	4.365	34.979	5.87	4.286	27.739	34.585	41.201	0.828	0.72	990
1200	4.094	34.961	6.02	3.999	27.755	34.612	41.240	0.919	0.59	1187
1400	3.955	34.958	6.07	3.845	27.769	34.632	41.265	1.011	0.57	1384
1600	3.859	34.963	6.07	3.731	27.785	34.652	41.290	1.103	0.50	1581
1800	3.767	34.965	6.08	3.622	27.797	34.669	41.310	1.196	0.61	1778
2000	3.630	34.965	6.05	3.468	27.812	34.690	41.338	1.289	0.60	1975
2200	3.435	34.959	6.08	3.256	27.829	34.715	41.370	1.381	0.64	2171
2400	3.210	34.951	6.10	3.016	27.845	34.741	41.405	1.471	0.81	2368
2531	2.967	34.941	6.16	2.765	27.860	34.766	41.440	1.528	0.76	2496

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
5	12.785	35.136	5.99	1.1	0.29	3.1	12.784	26.542	39.443	5
104	14.634	35.858	5.38	2.2	0.41	5.9	14.619	26.718	39.504	103
202	14.090	35.763	5.30	3.2	0.49	7.3	14.060	26.765	39.582	201
302	11.666	35.492	3.52	10.1	1.26	20.2	11.627	27.043	40.004	301
401	9.168	35.196	3.33	14.7	1.59	25.2	9.123	27.252	40.373	399
501	7.260		4.07	14.4	1.50	23.4				498
602	6.072	35.073	4.83	13.6	1.39	21.5	6.018	27.608	40.942	598
701	5.377	35.044	5.19	12.8	1.31	20.3	5.317	27.673	41.057	696
801	4.866	35.002	5.50		1.26	19.4	4.800	27.700	41.123	795
901	4.579	34.985	5.75		1.22	18.7	4.507	27.720	41.165	895
1002	4.331	34.974	5.92	11.4	1.20	18.3	4.252	27.739	41.204	994
1100	4.207	34.966	5.99	11.4	1.20	18.1	4.121	27.747	41.222	1091
1201	4.098	34.966	6.05	11.6	1.19	18.0	4.004	27.759	41.243	1190
1302	4.025	34.961	6.07	11.8	1.19	18.0	3.922	27.763	41.254	1291
1400	3.956	34.958	6.10	11.9	1.18	18.0	3.845	27.769	41.265	1388
1499	3.909	34.960	6.10	12.3	1.18	18.0	3.790	27.776	41.277	1486
1600	3.873	34.967	6.12	12.6	1.19	18.0	3.745	27.786	41.290	1585
1701	3.821	34.965	6.13	12.8	1.19	18.0	3.685	27.791	41.299	1685
1800	3.767	34.965	6.12	13.2	1.19	18.0	3.622	27.797	41.310	1783
1903	3.679	34.965	6.12	13.8	1.19	18.0	3.525	27.807	41.327	1884
2002	3.638	34.966	6.10	14.1	1.19	18.0	3.476	27.813	41.337	1981
2201	3.436	34.960	6.15	15.1	1.19	17.9	3.258	27.829	41.370	2178
2403	3.204	34.953	6.18	15.9	1.17	17.6	3.010	27.847	41.408	2376
2536	2.964	34.939	6.23	16.8	1.17	17.5	2.761	27.858	41.439	2507

ENDEAVOR 129 STA= 89 LAT= 42 14.5N LON= 63 40.2W SONIC DEPTH= 2046m
 DATE 28/ 4/85

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	3.004	31.623	7.07	3.004	25.190	32.127	38.831	0.008	7.76	3
25	3.706	32.102	7.54	3.704	25.510	32.413	39.085	0.065	7.42	25
50	8.981	34.048	6.30	8.976	26.377	33.066	39.532	0.117	7.90	50
75	11.999	35.110	5.67	11.989	26.677	33.260	39.625	0.155	5.33	74
100	13.387	35.593	5.42	13.373	26.777	33.314	39.635	0.187	1.78	99
150	13.433	35.625	5.41	13.412	26.794	33.330	39.650	0.252	0.76	149
200	13.390	35.644	5.23	13.362	26.819	33.356	39.677	0.316	1.83	198
250	12.934	35.624	4.54	12.899	26.897	33.448	39.782	0.379	2.65	248
300	11.040	35.401	3.39	11.002	27.088	33.697	40.088	0.436	3.78	297
350	9.496	35.238	3.27	9.456	27.231	33.890	40.329	0.485	2.74	347
400	8.405	35.150	3.47	8.363	27.336	34.033	40.508	0.528	2.56	396
450	7.613	35.100	3.76	7.568	27.417	34.141	40.642	0.567	2.32	446
500	6.997	35.075	4.07	6.949	27.485	34.232	40.754	0.602	2.30	495
600	5.775	35.026	4.74	5.723	27.608	34.400	40.964	0.663	1.76	594
700	5.138	35.009	5.24	5.080	27.673	34.488	41.075	0.716	1.36	693
800	4.790	34.997	5.52	4.726	27.705	34.534	41.134	0.765	0.93	792
900	4.520	34.983	5.72	4.448	27.725	34.564	41.175	0.812	0.82	891
1000	4.332	34.973	5.90	4.253	27.738	34.585	41.203	0.858	0.63	990
1200	4.155	34.970	6.02	4.060	27.756	34.610	41.235	0.950	0.58	1187
1400	4.032	34.968	6.09	3.921	27.769	34.629	41.260	1.042	0.53	1384
1600	3.939	34.976	6.10	3.810	27.787	34.651	41.285	1.135	0.63	1581
1800	3.781	34.970	6.12	3.635	27.800	34.671	41.312	1.228	0.52	1778
2000	3.646	34.968	6.14	3.484	27.813	34.690	41.337	1.321	0.64	1975
2053	3.563	34.965	6.14	3.397	27.820	34.700	41.350	1.346	1.16	2027

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
11	2.944	31.561	7.96	0.1	0.32	0.1	2.943	25.145	38.793	11
54	9.005	34.142	5.67				9.000	26.447	39.598	53
102	13.613	35.667	5.50	2.2	0.48	6.9	13.598	26.788	39.633	101
152	13.505	35.652	5.47	2.7	0.50	7.3	13.483	26.800	39.651	151
200	13.300	35.651	5.08	4.3	0.65	9.9	13.271	26.843	39.706	199
302	11.134	35.418	3.38	11.1	1.36	21.7	11.096	27.084	40.078	300
403	8.341	35.149	3.58	14.4	1.57	24.6	8.299	27.346	40.521	400
502	7.124	35.079	4.08	14.2	1.51	23.4	7.076	27.471	40.730	498
598	5.776	35.027	4.82	13.3	1.40	21.2	5.724	27.609	40.965	594
701	5.148	35.010	5.29	12.4	1.30	19.8	5.090	27.673	41.075	695
804	4.760	34.990	5.59	11.9	1.26	19.1	4.695	27.703	41.134	798
900	4.510	34.980	5.78	11.7	1.23	18.6	4.439	27.723	41.174	894
1001	4.355	34.977	5.89	11.4	1.22	18.4	4.276	27.739	41.202	993
1103	4.246	34.970	5.96	11.5	1.21	18.3	4.158	27.746	41.218	1094
1204	4.172	34.968	6.02	11.6	1.21	18.1	4.077	27.753	41.231	1194
1300	4.061	34.962	6.07	11.7	1.20	18.0	3.958	27.761	41.248	1289
1394	4.044	34.965	6.06	11.8	1.21	18.1	3.933	27.765	41.255	1382
1498	4.010	34.972	6.07	12.3	1.21	18.1	3.890	27.776	41.268	1485
1591	3.948	34.972	6.08	12.5	1.21	18.1	3.820	27.783	41.281	1577
1684	3.883	34.971	6.09	12.8	1.21	18.1	3.747	27.789	41.293	1668
1801	3.795	34.975	6.12	13.1	1.20	18.0	3.650	27.802	41.313	1783
1901	3.717	34.965	6.12	13.6	1.20	18.0	3.563	27.803	41.321	1882
1994	3.650	34.964	6.13	14.2	1.20	18.0	3.489	27.810	41.333	1973
2057	3.557	34.962	6.12	15.2	1.21	18.0	3.390	27.818	41.349	2036

ENDEAVOR 129 STA= 90
DATE 28/ 4/85

LAT= 42 30.6N LON= 63 40.0W

SONIC DEPTH= 1487m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
11	3.894	31.916	7.48	3.894	25.344	32.242	38.908	0.029	7.23	11
25	3.667	32.090	7.78	3.666	25.503	32.408	39.081	0.064	6.69	25
50	6.671	33.389	6.58	6.667	26.195	32.971	39.520	0.120	11.35	50
75	10.538	34.840	5.22	10.529	26.736	33.366	39.776	0.157	4.73	74
100	11.182	35.101	5.13	11.170	26.823	33.431	39.819	0.189	3.28	99
150	11.677	35.426	4.49	11.658	26.986	33.575	39.946	0.247	2.64	149
200	11.039	35.398	3.72	11.014	27.083	33.692	40.082	0.301	3.26	198
250	9.604	35.246	3.52	9.575	27.216	33.872	40.308	0.348	2.46	248
300	8.729	35.175	3.73	8.697	27.304	33.989	40.453	0.391	2.73	297
350	7.739	35.108	3.90	7.703	27.403	34.123	40.619	0.430	2.48	347
400	6.970	35.069	4.12	6.932	27.483	34.230	40.752	0.465	2.29	396
450	6.355	35.041	4.44	6.314	27.544	34.314	40.858	0.496	1.84	446
500	5.966	35.026	4.67	5.922	27.584	34.368	40.925	0.525	1.53	495
600	5.310	35.007	5.14	5.259	27.651	34.459	41.040	0.579	1.47	594
700	4.875	35.004	5.51	4.818	27.700	34.525	41.122	0.628	1.08	693
800	4.542	34.983	5.76	4.478	27.721	34.560	41.169	0.675	0.86	792
900	4.378	34.976	5.91	4.307	27.734	34.579	41.195	0.720	0.63	891
1000	4.257	34.970	6.00	4.179	27.743	34.593	41.214	0.765	0.59	990
1200	4.085	34.966	6.07	3.991	27.760	34.617	41.245	0.856	0.55	1187
1400	3.950	34.965	6.11	3.840	27.775	34.639	41.272	0.947	0.60	1384
1469	3.909	34.967	6.06	3.792	27.781	34.646	41.281	0.978	0.53	1452

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
6	3.713	31.846	7.61	0.7	0.37	0.3	3.713	25.305	38.885	6
105	11.228	35.081	5.11	5.7	0.80	11.6	11.215	26.800	39.794	104
204	11.045	35.391	3.74	10.3	1.27	19.9	11.020	27.077	40.076	202
297	9.076	35.196	3.55	13.6	1.53	24.0	9.043	27.265	40.391	295
402	7.006	35.075	4.14	14.0	1.51	23.2	6.968	27.483	40.750	399
502	5.997	35.025	4.67	13.5	1.43	21.8	5.953	27.579	40.918	499
602	5.356	35.006	5.08	12.8	1.35	20.5	5.305	27.644	41.030	598
799	4.528	34.980	5.72	11.8	1.25	18.7	4.465	27.720	41.169	793
1000	4.253	34.966	5.93	11.5	1.22	18.2	4.174	27.741	41.212	993
1200	4.083	34.959	5.98	11.8	1.21	18.1	3.989	27.755	41.240	1189
1400	3.949	34.961	6.03	12.3	1.21	18.0	3.839	27.772	41.269	1387
1474	3.910	34.963	6.07	13.6	1.21	18.1	3.793	27.778	41.278	1461

ENDEAVOR 129 STA= 91
DATE 28/ 4/85

LAT= 42 41.4N LON= 63 40.2W

SONIC DEPTH= 1011m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
3	3.048	31.745	5.59	3.047	25.284	32.218	38.919	0.008	3.75	3
25	3.714	32.100	7.59	3.712	25.507	32.410	39.081	0.065	5.81	25
50	4.482	32.596	7.22	4.478	25.826	32.692	39.329	0.125	9.83	50
75	8.347	34.067	5.11	8.339	26.491	33.200	39.687	0.169	7.13	74
100	10.408	34.895	4.46	10.396	26.802	33.436	39.850	0.204	3.93	99
150	11.872	35.424	4.40	11.853	26.948	33.531	39.896	0.264	3.39	149
200	10.727	35.370	3.40	10.703	27.118	33.737	40.137	0.316	2.68	198
250	9.144	35.206	3.45	9.116	27.261	33.932	40.382	0.363	3.19	248
300	8.092	35.136	3.66	8.061	27.372	34.080	40.564	0.403	2.56	297
350	7.447	35.100	3.93	7.413	27.439	34.170	40.675	0.439	1.93	347
400	6.846	35.074	4.27	6.809	27.504	34.256	40.782	0.472	2.01	396
450	6.228	35.044	4.53	6.187	27.564	34.338	40.886	0.502	1.74	446
500	5.833	35.030	4.77	5.789	27.603	34.392	40.954	0.531	1.76	495
600	5.060	35.007	5.32	5.011	27.680	34.497	41.087	0.582	1.24	594
700	4.816	34.999	5.52	4.759	27.702	34.530	41.129	0.629	0.90	693
800	4.588	34.991	5.70	4.524	27.722	34.559	41.167	0.675	0.88	792
900	4.381	34.976	5.88	4.310	27.734	34.579	41.195	0.721	0.79	891
1000	4.228	34.971	5.94	4.150	27.747	34.598	41.220	0.766	0.58	990
1007	4.223	34.968	5.94	4.144	27.746	34.597	41.219	0.769	-1.29	997

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
10	3.021	31.750	7.77	0.2	0.35	0.0	3.021	25.290	38.927	10
54	4.612	32.679	6.74	2.5	0.62	3.9	4.608	25.878	39.370	54
104	10.139	34.671	4.49	8.7	1.02	14.2	10.127	26.674	39.742	103
202	10.756	35.377	3.28	11.7	1.41	22.7	10.732	27.118	40.135	201
302	8.151	35.131	3.62	14.4	1.55	24.6	8.120	27.359	40.547	300
401	6.801	35.061	4.32	13.6	1.46	22.6	6.763	27.500	40.781	399
502	5.866	35.021	4.75	13.1	1.40	21.6	5.822	27.592	40.941	499
601	5.071	35.000	5.29	12.3	1.30	19.9	5.021	27.673	41.080	597
703	4.812	34.994	5.50	12.0	1.27	19.4	4.755	27.699	41.126	697
803	4.587		5.70	11.7	1.24	19.0				797
897	4.391	34.976		11.6	1.22	18.3	4.320	27.733	41.193	890
1014	4.221	34.968	5.91	12.6	1.22	18.4	4.142	27.746	41.219	1006

ENDEAVOR 129 STA= 92
DATE 28/ 4/85

LAT= 42 46.6N LON= 63 39.8W

SONIC DEPTH= 510m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
1	2.781	31.696	6.19	2.781	25.266	32.212	38.924	0.003	1.13	1
25	2.518	31.804	8.02	2.517	25.374	32.329	39.050	0.067	5.25	25
50	3.871	32.281	7.39	3.868	25.637	32.531	39.194	0.129	7.09	50
75	5.875	33.164	6.20	5.869	26.118	32.926	39.506	0.182	7.38	74
100	8.592	34.236	4.83	8.582	26.586	33.285	39.762	0.223	6.35	99
150	10.141	35.066	3.66	10.124	26.982	33.623	40.043	0.285	3.41	149
200	9.777	35.143	3.62	9.754	27.106	33.758	40.188	0.338	3.36	198
250	8.365	35.138	3.89	8.339	27.331	34.029	40.504	0.382	3.78	248
300	7.231	35.091	4.13	7.203	27.462	34.200	40.713	0.418	2.16	297
350	6.639	35.063	4.40	6.607	27.522	34.281	40.815	0.449	1.68	347
400	6.142	35.042	4.61	6.106	27.572	34.349	40.900	0.479	2.01	396
450	5.689	35.019	4.87	5.651	27.612	34.406	40.973	0.506	1.83	446
465	5.678	35.011	4.83	5.638	27.608	34.402	40.970	0.514	-1.13	461

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
8	2.733	31.687	7.92	0.0	0.33	0.0	2.732	25.263	38.925	8
55	3.904	32.260	7.43	1.0	0.44	1.2	3.900	25.617	39.173	54
102	8.895	34.296	4.78	8.2	1.01	13.1	8.884	26.586	39.741	102
203	10.054	35.203	3.62	12.3	1.34	20.8	10.031	27.106	40.169	202
303	7.247	35.088	4.14	14.0	1.46	23.0	7.218	27.458	40.707	301
402	6.179	35.040	4.58	13.7	1.41	21.9	6.143	27.566	40.891	399
473	5.678	35.016	4.92	14.0	1.36	21.1	5.637	27.611	40.973	470

ENDEAVOR 129 STA= 93
DATE 28/ 4/85

LAT= 42 48.5N LON= 63 39.8W

SONIC DEPTH= 240m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	2.640	31.665	6.53	2.640	25.253	32.205	38.923	0.008	1.60	3
25	2.234	31.777	8.09	2.233	25.373	32.340	39.074	0.067	5.54	25
50	2.857	32.202	7.34	2.854	25.664	32.600	39.304	0.129	7.34	50
75	6.171	33.321	6.02	6.164	26.206	33.001	39.569	0.181	8.39	74
100	8.842	34.319	4.75	8.832	26.612	33.302	39.770	0.221	6.07	99
150	10.109	35.057	3.61	10.092	26.981	33.623	40.044	0.283	3.27	149
200	9.480	35.201	3.71	9.457	27.201	33.862	40.301	0.333	3.98	198
217	9.127	35.196	3.75	9.104	27.255	33.927	40.378	0.348	2.59	215

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
10	2.643	31.669	8.00	1.3	0.64	3.3	2.642	25.256	38.926	10
55	3.161	32.218	7.19	8.6	1.04	13.9	3.158	25.651	39.266	54
105	9.357	34.361	4.63	13.0	1.46	23.3	9.346	26.562	39.687	104
226	8.976	35.180	3.64				8.952	27.267	40.400	225

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