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Hydrographic Data from Warm Core Ring 82-B

by

M. C. Staicup, T. M. Joyce
R. L. Barbour and J. A. Dunworth

July 1985

Technical Report

*Funding provided by the National Science Foundation
under grant No. OCE 80-16983..*

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Robert C. Beardsley, Chairman
Department of Physical Oceanography

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ABSTRACT

Hydrographic data are presented from three cruises to Warm Core Ring 82-B during April-August 1982. These data include a sampling of the 2 db pressure, temperature, salinity and oxygen measurements obtained with a CTD-02 profiler, manufactured by Neil Brown Instrument Systems, together with water sample measurements of salinity, oxygen, silica, nitrate and phosphate. Charts showing the station positions and selected profiles of the various parameters are presented. Bi-monthly cruises aboard the R/V Endeavor show only slight changes in the ring between April and June. Interactions between the ring and the Gulf Stream before the August cruise however, reduced the volume of the central core of the ring by about 90 percent.

HYDROGRAPHIC DATA FROM WARM CORE RING 82-B

Data Report

by

M.C. Stalcup, T.M. Joyce, R.L. Barbour and J.A. Dunworth

BACKGROUND

Warm Core Rings (WCR) are formed when northward looping meanders of the Gulf Stream pinch off to form anti-cyclonic eddies typically 150-200 km in diameter. Each WCR is composed of a central region containing Sargasso Sea water surrounded by a ring of high velocity Gulf Stream water. At any given time there may be several such rings in the area bounded by the New England Seamounts, the Gulf Stream and the continental slope. Rings occasionally interact with the Gulf Stream (Joyce et al., 1983) which can dramatically affect their characteristics. At other times they may drift slowly (3-5 km/day) towards the west-southwest in the Slope Water region until they ultimately merge with the Gulf Stream off Cape Hatteras. As rings drift in the Slope Water region, bands or streamers of surface shelf water are seen to spiral around the eastern edge and occasionally into the center of the ring. Surface water from the Gulf Stream spirals into rings along their western edges. Rings are important to the hydrology of this region for the large amounts of momentum and warm, salty Gulf Stream and Sargasso water they transport into the Slope Water region. Wintertime outbreaks of cold, dry continental air result in large negative heat flux from WCRs to the atmosphere (Joyce and Stalcup, 1985). The cooling and overturning of Sargasso Water during these events, produces large quantities of mode water with temperatures between 12-17°C (Schmitt and Olson, 1985). The vertically mixed, homogeneous water in the center of WCR 82-B, for instance, was less than 16°C after only six weeks of wintertime cooling. Rings are important to the Slope Water biota due to their effect on the distribution of temperature, salinity and nutrients. The semi-enclosed nature of their central waters provides a natural laboratory in which to study phyto- and zooplankton and the manner in which they respond to changing conditions.

On February 28, 1982 WCR 82-B was formed from a northward meander of the Gulf Stream near 39.3°N, 70.6°W (Evans et al., 1985). This WCR was briefly surveyed with Expendable Bathythermographs (XBTs) by a ship of opportunity in March. Satellite imagery showed that it then drifted westward to the continental slope where it began moving southwestward along the edge of the shelf towards Cape Hatteras. The first of several Gulf Stream-Ring interactions occurred on July 22 and it was finally absorbed by the Stream on about October 7.

DATA DESCRIPTION

This report tabulates the hydrographic data obtained during three cruises aboard the R/V Endeavor during 1982 as part of the multi-disciplinary study of Warm Core Ring 82-B. Station locations and selected vertical sections showing the distribution of potential temperature, salinity, dissolved oxygen, Nitrate, Phosphate and Silica are presented. Endeavor cruise #83 began on April 17 and ended on May 8, #86 was from May 31-June 29 and #88 from Aug. 5-25. During each cruise continuous measurements (Smith and Baker, 1985) were made of the following parameters:

- Wind speed and direction.
- Air and dewpoint temperature.
- Irradiance (.3-3.0 micron).
- UV irradiance (320-360 nm).
- Barometric pressure.
- Surface water temperature, salinity and
fluorescence and measurements of
chlor, phyco and fucozanthin.
- Hourly surface samples for extracted chlorophyll.

Additionally Loran-C positions, Doppler current profiles to 100m and bathymetry were continuously recorded with an acoustic-Doppler system (Joyce, Bitterman and Prada, 1982)

During each station a Neil Brown Instrument Systems Conductivity-Temperature-Depth-Oxygen Profiler (CTD-02) equipped with a rosette sampler with twenty-four 1.2 liter Niskin bottles and a bottom finding pinger was lowered to within 20 m of the bottom. During each lowering, pressure, temperature, conductivity and dissolved oxygen were measured continuously. Water samples were collected for calibration of the CTD salinity and oxygen sensors and for the analysis of nitrate, phosphate and silica. Before and after each 'asterisk' shaped CTD survey, XBTs were deployed in a star pattern to obtain temperature profiles in and around the ring to depths of 750 m. A Bio Optical Profiler System (BOPS) measured temperature, conductivity, chlorophyll fluorescence, transmissivity, downwelling and upwelling irradiance to depths of 200 m at each CTD-02 station. Nine discrete water samples were collected at each BOPS station for the calibration of these sensors and to determine phytoplankton species composition. ARGOS satellite and Loran-C tracked drifters were deployed near ring center and in the high velocity region of WCR 82-B to trace water parcel trajectories and 'tag' a parcel for continuous sampling. Several of the drifters were equipped with sediment traps, with which we had rather indifferent success. During cruise #86 Expendable Current Profilers (XCPs) were deployed to measure

current shear to 1000 m. During cruises 86 and 88 a transmissometer was also a part of the CTD-02 package. It provided continuous measurements of beam transmittance from the surface to the bottom. A NASA P3 aircraft equipped with a passive infrared thermometer, microwave radiometer, multi-channel ocean color scanner and a laser based, Light Detection And Ranging instrument (LIDAR) made several over-flights during these cruises. A complete description of the scientific program carried out aboard the R/V Endeavor as well as the complementary programs conducted aboard the R/V Oceanus and Knorr is available in cruise reports published by the Warm Core Ring program office.

Aboard the Endeavor each cruise began with a star shaped XBT survey during which an Acoustic Doppler Current Profiler (APOC) (Joyce, 1984) measured the shear profile to 100 m. These data were compared with Loran-C derived ship's speed and direction to provide measurements of horizontal currents. With the WCR defined by both the temperature data obtained during the XBT survey and the horizontal currents from the APOC measurements, a series of three CTD sections were made across the Ring in an 'asterisk' pattern (see Fig. 1a-c) centered on our estimation of ring center. When this work was completed, several days were allocated for combined, multi-ship surveys of small scale features near the center and in the high velocity region of the WCR. During these observations most of the measurements were made relative to free-drifting buoys drogued at 100 m and tracked with an internally recording Loran-C receiver or with the ARGOS satellite system. Following this work a second XBT star survey was conducted and then two long CTD-02 sections were made from the Sargasso Sea to the shelf, one upstream (East) and the other downstream (West) of the WCR. The CTD-02-hydrographic data collected during these sections are published in this report.

The tabulated CTD-02 and Hydrographic data are presented in two separate formats. The first listing on each page is the CTD-02 temperature, salinity and oxygen values at standard pressures. These values are the average of a ten decibar segment of the water column centered on the standard pressure. Following the oxygen column are the calculated variables: potential temperature, density relative to 0, 1500 and 3000 db, dynamic height, Brunt-Väisälä period and depth.

The water sample data are presented in the second listing. The CTD-02 pressure and the temperature at which each sample was collected are listed in the first two columns. The water sample salinity, dissolved oxygen and nutrient values are listed next and are followed by the calculated variables: theta, sigma-theta, sigma-3 and depth. Blanks in the nutrient columns generally indicate erroneous values which have been deleted. Nutrient sample bottles were in short supply during some cruises so that on many stations samples were collected only from the deep water. The nutrient data and the complete 2db, CTD-02 data sets are on file at the National Oceanographic Data Center.

At each CTD-02 station water samples were collected with a General Oceanics Rosette sampler equipped with 24 1.2 liter Niskin bottles. During these cruises twenty samples were collected at most stations. The sampling interval was dictated primarily by the need to provide calibration data for the CTD-02 sensors and only secondarily to define the water column. Salinities were measured with a Guildline Autosol 8400-A salinometer which was calibrated with IAPSO standard water. These values are believed accurate to ± 0.003 ppt. Oxygen samples were analysed using a modified Winkler method with an amperometric endpoint determination. Reproducibility using this technique is ± 0.02 ml/l and the results are believed accurate to better than 2 percent. Nutrient samples were collected in aged, acid rinsed, high density polyethylene bottles. Samples were frozen immediately after each station and were returned to shore-based laboratories where an Autoanalyser was employed for the analysis of nitrate, phosphate and silica using standard techniques. A 'bottom finding' pinger attached to the CTD package was used to measure the height of the instrument off the bottom. At most stations the deepest sample was collected within 20 m of the bottom.

WARM CORE RING SECTIONS

Shallow layers

A CTD section made during the first survey in April (Fig. 2a-g) shows that the center of the ring contains virtually isothermal 15.7°C water to almost 500 m and, as delineated by the 15.0°C isotherm at 100 m, the thoroughly mixed, central portion of this ring is about 100 km wide. This 15.0° layer is nearly isohaline, at 36.2-36.3 ppt, and is high in dissolved oxygen (5.25 ml/l) due to its recent wintertime overturning. Schmitt and Olson (1985) have described the effects of wintertime conditions on WCR 82-B and find that the net heat loss to the atmosphere may reach 2000 w/m^2 for short periods. The cooling and sinking of the surface layers during winter cooling causes deep convective mixing and results in the production of a deep, well mixed, homogeneous layer. They also note that the addition of 10-21% Slope Water is needed to reduce the salinity in the center of the ring from that observed in April to that seen in the June survey. Figure 2e-g shows that in April the nutrient content of the well mixed, shallow layers in the center of the ring is relatively high with average values near $3 \mu\text{gA/l}$ silica, $6 \mu\text{gA/l}$ nitrate and $0.4 \mu\text{gA/l}$ phosphate. Even higher concentrations are present in the low temperature, low salinity, shelf water streamers along the edge of the ring. Figure 3a-g shows the conditions in WCR 82-B during the June cruise. With the exception of the shallow, seasonal thermocline, developed between the April and June surveys, the interior temperatures of the ring are quite similar though the June data show a slight contraction of the 15.5°C isotherm and thus a slight cooling in the interior. The absence of the 36.3 ppt iso-haline from the June survey indicates a slight reduction in

the salinity of the core water (Schmitt and Olson, 1985). In the June survey the 26.8 isopycnal is shallower than in April and thus the density in the interior of the ring has increased during this period. The seasonal thermocline which caps the ring in June is both warmer and fresher and has lower nutrients than the surface water in April. The dissolved oxygen concentration in the surface layers has increased from about 95% in April to 108% saturated in June. This increase in dissolved oxygen concentration is probably the result of increased photosynthesis during the Spring phytoplankton blooms. As defined by the 15.0°C isotherm at 100 m, the volume of the mixed layer in the center of the ring has not changed a great deal between the April and June surveys. Schmitt and Olson (1985) estimate a reduction in volume of about 0.2×10^{12} cubic meters.

The variability of water properties within the ring suggests that the presence or absence of isopleths from one section to the next cannot be confidently used to infer temporal changes within the ring. For instance, salinities greater than 36.3 ppt are shown in the April section but not in the June section thus indicating a general freshening of the mixed layer in the ring center. That this is true is indicated by the absence of > 36.3 ppt salinities at all WCR stations taken during June. However, lenses of greater than 35 ppt at 1000 m, which are present in the April section but missing from the June section, can be found at nearly the same radial distance from ring center at several stations (stations 8, 16, 19, 32, 41) not shown here.

By August the ring had moved to about 37°N, 74°W and had been extensively modified by interactions with the Gulf Stream. Figure 4a-g shows that the ring is in close contact with the Gulf Stream. Stations 5 and 6 are clearly within the left margin of the Stream with surface temperatures greater than 28°C. An entrained parcel of shelf water is present at station 6 at 80 m and low oxygen values were measured at the depth of the salinity maximum at station 5. Water with this characteristic is of Gulf Stream origin (see next paragraph). As defined by the 15.0°C isotherm, the diameter of the ring has decreased from more than 100 km in April and June to about 70 km in August. The maximum depth of this isotherm has also decreased from almost 500 m in the earlier surveys to about 260 m in late August. The interactions with the Stream reduced the volume of the core of the ring from about 2.7×10^{12} cubic meters, when first surveyed in April, to $.3 \times 10^{12}$ cubic meters in August (Schmitt and Olson, 1985) after several Gulf Stream interactions. The depth to the base of the seasonal thermocline has increased from 35 m in June to 50 m in August and the oxygen values at the surface are, on the average, reduced about 3 percent. The nutrients are uniformly lower when compared with the June survey. However, because of the strong Gulf Stream interactions known to have occurred, it is likely that the surface values in Figure 4a-g represent water from the Stream which has overridden the ring and not a modification of surface waters present in the earlier surveys.

THE SARGASSO SEA-CONTINENTAL SLOPE SECTIONS

Shallow water

The section shown in Figure 5a-g was selected from the six Sargasso Sea-Continental Slope sections made during the study of Warm Core Ring 82-B as being representative of the Slope Water outside the direct influence of the ring. The southern end of the section begins with station # 49 taken in the Sargasso Sea. Here the 15.0°C isotherm is about 750 m deep and the 18° (17-19°C) mode water is approximately 450 m thick. Stations 50-53 depict the structure of the Gulf Stream portion of this section. The surface waters found at these stations are typical of the Stream at this time of the year with temperatures exceeding 26°C and salinities near 36.2 ppt. A salinity maximum layer with values greater than 36.7 ppt, a temperature near 22°C and with lower oxygen concentrations is shown at station 51. This water is typically found along the left hand margin of the Gulf Stream and can be traced from its source in the convergence located near 22°N and 55°W, through the Grenada, St. Vincent and St. Lucia passages into the Caribbean Sea. It then flows across the Caribbean, through the Straits of Yucatan and Florida to 40°N and 55°W. It is a narrow feature and, although generally present, may not be observed if the station spacing exceeds 30 km. The parcel of water found at station 53 at a depth of 50 m with temperatures below 10°C, salinities less than 34 ppt and high oxygen values is also a rather common feature along the left margin of the Stream. Ford et al. (1952) called attention to this apparently anomalous feature and determined that it represents Shelf water that has been entrained by the Gulf Stream.

The temperature, salinity and oxygen inversions in the shallow water north of the Stream are representative of the structures found in the Slope Water region. These structures result from the intrusion and lateral advection of layers of shelf and Slope Waters and from wintertime cooling and summer heating of the surface layers. The low salinities and high oxygen values measured at stations 53-55 probably result from the entrainment by the Gulf Stream of shelf water near Cape Hatteras or along the eastern flank of ring 82-B. The same characteristics at station # 61 marks the southward limit of shelf water as described by Wright (1976). Wright and Parker (1976) discuss Slope Water in the range 10-13°C and 35.0-35.6 ppt and state that: "In the winter it forms a temperature and salinity maximum between the slightly colder and fresher slope water underneath and the much colder and fresher slope water above. In the summer it appears as a region of small temperature gradient between the seasonal thermocline and the deeper Slope Water." They suggest the name "upper Slope Water thermostad" or "warm band" for this feature.

Deep water

The northward slope of the isopycnals below 200 m and between stations 53-61 is consistent with the well known westward flow in the Slope Water region. Near the bottom, at station 60, the slope of the isopycnals is reversed where the deep temperature gradient increases. A potential temperature of about 3°C, a salinity of 34.96 ppt and slightly higher oxygen values are all indicative of the Deep Western Boundary Current (DWBC). The near bottom silica gradient between stations 49-53 supports the view that the high nutrients found at station 53 are real and are part of a general shoreward increase in nutrients that ends abruptly just north of this station. A shortage of nutrient sample bottles forced us to curtail our sampling program along this section. Nutrient samples were collected only below 2000 m in an effort to define the position of the DWBC.

QUALITY CONTROL

Twenty water samples were collected at each CTD-02 station for the calibration of the conductivity and oxygen sensors. All water sample conductivities were measured aboard the ship within a few hours of their collection and are believed accurate to about ± 0.003 msiemen/cm. No systematic differences in conductivity have been noted between the several batches of standard water (Batches P73, P83, P87, P90) used to calibrate the Autosol salinometers during these cruises. A modified Winkler method was employed to measure dissolved oxygen concentrations during this study. Results are thought to be accurate to approximately ± 2 percent. All of the reagents and standards employed during these cruises were from a single batch so that inter-cruise differences from this source should be quite small. Before and after each cruise the conductivity, pressure and temperature sensors on the CTD-02 instrument were calibrated at the WHOI Calibration Facility.

Figure 6a-d shows the CTD-02 salinity and oxygen values at potential temperatures of 3.6 and 4.0°C. These data are plotted versus station number for all of the stations made during R/V Endeavor cruises #83, 86 and 88. This summary provides an indication of the inter-cruise calibration consistency during the study of WCR 82-B. The 3.6°C potential temperature lies at an average depth of about 1800 m where the vertical gradients of both salinity and oxygen are minimal and where temporal and spatial variations in these parameters are small. Figure 6a indicates that, except for a few stations made in the Sargasso Sea (83-38, 86-48), the salinity at $\theta = 3.6^\circ\text{C}$ did not vary by more than about ± 0.005 ppt during the three cruises. The slightly wider envelope in the $\theta = 4.0^\circ\text{C}$ plot shown in Figure 6b is due pri-

marily to fresher salinities measured during cruise 88 after the ring had several times interacted with the Gulf Stream.

Figures 6c-d show that high oxygen concentrations were observed during cruise 83 at stations 11 and 17 at 3.6 and 4.0° theta. Although these values appear anomalously high, a careful analysis of the data has revealed no obvious problems with the measurements. The fact that they are adjacent stations (see Fig. 1) lends credence to the validity of these high values. The low oxygen values measured in the vicinity of the ring, during cruise 86, at stations 6-26, have also been carefully evaluated and no reasons to doubt their validity have been discovered. If, as Joyce (1984) found in his study of ring 81-D, water mass analysis at depths greater than 1300 m reveals no differences between central ring and slope waters, then the small inter-cruise differences in both oxygen and salinity, at these potential temperatures, may be the result of spatial variability in the Slope Water beneath the ring.

Acknowledgements. The high quality of the CTD-02 measurements is attributable to the fine job performed by the WHOI CTD group, both at sea and ashore. We are particularly indebted to Mr. Robert McDevitt for maintaining and calibrating the CTD-02 equipment and the Autosal salinometers. We also wish to acknowledge the excellent cooperation and fine seamanship exhibited by the Captain and crew of the R/V Endeavor. The University of Rhode Island's URI/GSO Marine Technicians group under the direction of Mr. William Hahn provided much appreciated help during these cruises. This work was supported by the National Science Foundation under grant No. OCE80-16983 with the Woods Hole Oceanographic Institution and was part of the Warm Core Rings Program.

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ENDEAVOR 86 STATIONS

Figure 1b. Same as Fig. 1a for R/V Endeavor cruise # 86. Stations 3-37 made across the ring from 13-20 June.

Figure 2a-g. A series of sections showing data collected at CTD-02 stations taken across ring 82-B during R/V Endeavor cruise # 83. 2a) Potential temperature in $^{\circ}\text{C}$; 2b) Salinity in ppt; 2c) Dissolved oxygen in ml/l; 2d) Potential density in kg/cubic meter; 2e) Reactive silica in $\mu\text{gA/l}$; 2f) Nitrate in $\mu\text{gA/l}$; 2g) Phosphate in $\mu\text{gA/l}$.

Figure 3a-g.
cruise # 86.

Same as Fig. 2a-g except data from R/V Endeavor

Figure 4a-g.
cruise # 88.

Same as Fig. 2a-g except data from R/V Endeavor

Figure 5a-g. A series of sections showing data collected at CTD-02 stations taken during R/V Endeavor cruise # 86. This section was made east of ring 82-D from the Sargasso Sea to the continental slope. These data were selected from all the long sections made during cruises #83, 86 and 88 as best representing the character of the slope water region near the ring. Each variable is as described in Fig. 2a-g.

Figure 6a-d. Figures 6a-b are the salinity in ppt and Figures 6c-d the oxygen in ml/l at potential temperatures of 3.6°C and 4.0°C for all of the stations taken during R/V Endeavor cruises # 83, 86 and 88. These plots are presented to show the inter-cruise consistency in the calibrated salinity and oxygen data as measured by the CTD.

THETA = 4 deg

83__ 86__ 88__

THETA = 3.6 deg

83__ 86__ 88__

THETA = 4 deg

83__ 86__ 88__

**CTD-02 — Hydrographic Data
from
R/V Endeavor Cruise #83**

ENDEAVOR R3 STA- 2 LAT= 38 59.0N LON= 69 22.6W SONIC DEPTH= 3075m
DATE 19/ 4/82

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	7.971	33.385	7.12	7.971	26.010	32.740	39.246	0.006	8.19	3
25	8.270	33.945	6.40	8.267	26.406	33.120	39.610	0.045	6.45	25
50	10.475	34.698	5.71	10.469	26.636	33.259	39.683	0.083	5.08	50
75	11.738	35.166	5.34	11.728	26.771	33.360	39.732	0.116	3.22	74
100	11.997	35.341	4.98	11.984	26.857	33.438	39.800	0.147	2.83	99
150	12.116	35.523	4.32	12.096	26.977	33.552	39.910	0.205	2.98	149
200	10.571	35.359	3.39	10.547	27.137	33.761	40.165	0.257	2.84	198
250	9.193	35.194	3.51	9.165	27.244	33.914	40.362	0.303	2.58	248
300	8.378	35.131	3.54	8.346	27.325	34.022	40.498	0.345	2.49	298
350	7.280	35.081	4.04	7.246	27.448	34.184	40.696	0.382	2.87	347
400	6.341	35.043	4.47	6.305	27.547	34.317	40.861	0.414	2.19	397
450	5.833	35.021	4.80	5.794	27.596	34.384	40.946	0.443	1.77	446
500	5.427	35.004	5.03	5.385	27.632	34.436	41.013	0.470	1.60	496
600	4.988	34.996	5.46	4.939	27.679	34.500	41.092	0.519	1.05	595
700	4.754	34.995	5.66	4.708	27.705	34.535	41.136	0.566	0.99	694
800	4.593	35.006	5.80	4.530	27.734	34.570	41.178	0.612	0.87	792
900	4.402	34.997	5.90	4.331	27.749	34.593	41.207	0.656	0.72	891
1000	4.198	34.978	6.02	4.120	27.756	34.608	41.231	0.700	0.67	990
1200	4.073	34.984	6.11	3.979	27.776	34.633	41.261	0.788	0.56	1187
1400	3.915	34.982	6.21	3.805	27.792	34.657	41.291	0.875	0.57	1385
1600	3.801	34.981	6.21	3.674	27.805	34.675	41.314	0.963	0.56	1582
1800	3.650	34.975	6.22	3.507	27.817	34.693	41.339	1.051	0.56	1779
2000	3.528	34.974	6.19	3.368	27.830	34.712	41.362	1.140	0.57	1975
2200	3.364	34.968	6.24	3.187	27.842	34.731	41.389	1.228	0.59	2172
2400	3.200	34.952	6.23	3.006	27.854	34.750	41.415	1.315	0.58	2368
2600	3.042	34.953	6.27	2.831	27.863	34.767	41.438	1.402	0.61	2564
2800	2.868	34.945	6.28	2.640	27.874	34.795	41.464	1.487	0.62	2760
3000	2.659	34.934	6.30	2.416	27.884	34.805	41.493	1.571	0.92	2956
3091	2.351	34.918	6.24	2.115	27.897	34.830	41.530	1.607	0.81	3045

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	NE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
53	11.274	34.974	6.25				11.268	26.707	39.700	53
102	11.901	35.304	5.61				11.888	26.847	39.797	101
200	10.206	35.321	3.50				10.183	27.172	40.723	198
301	8.344	35.127	3.69				8.312	27.326	40.502	298
400	6.729	35.054	4.36				6.692	27.504	40.791	396
502	5.417	35.006	5.16				5.375	27.636	41.017	498
599	5.035	34.994	5.43				4.987	27.672	41.082	593
698	4.704	34.988	5.69				4.648	27.706	41.141	692
798	4.478	34.985	5.84				4.416	27.730	41.182	791
896	4.299	34.972	6.01				4.229	27.740	41.206	887
997	4.221	34.979	6.14				4.143	27.754	41.228	987
997	4.225	34.979	6.44				4.147	27.754	41.227	987
1242	3.993	34.970	6.30				3.896	27.773	41.265	1229
1494	3.856	34.979	6.32				3.738	27.797	41.301	1477
1744	3.739	34.984	6.20				3.599	27.815	41.329	1723
1994	3.543	34.963	6.25				3.383	27.819	41.351	1960
1993	3.542	34.970	6.26				3.382	27.825	41.357	1968
2243	3.338	34.967	6.30				3.157	27.844	41.393	2214
2490	3.141	34.956					2.939	27.856	41.422	2457
2645	3.010	34.951	6.51				2.795	27.865	41.443	2608
2792	2.857	34.946	6.28				2.641	27.875	41.465	2752
2891	2.782	34.940	6.56				2.547	27.878	41.476	2850
3043	2.509	34.928	6.35				2.264	27.892	41.513	2998
3095	2.350	34.917	7.14				2.114	27.896	41.529	3040

ENDEAVOR 83 STA- 3
DATE 21/ 4/82

LAT= 38 32.0N LON= 70 19.0W

SONIC DEPTH= 3122m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cdh	m
1	12.120	34.503	6.56	12.120	26.181	32.766	39.133	0.002	7.02	1
25	11.592	34.855	6.26	11.588	26.563	33.160	39.539	0.041	6.98	25
50	12.204	35.278	5.61	12.198	26.767	33.342	39.699	0.074	2.26	50
75	12.920	35.501	5.28	12.910	26.800	33.351	39.686	0.106	1.91	74
100	13.556	35.699	5.19	13.542	26.825	33.356	39.672	0.137	1.76	99
150	12.602	35.556	4.65	12.582	26.908	33.469	39.812	0.198	3.19	149
200	11.911	35.528	3.83	11.884	27.022	33.604	39.967	0.254	2.85	198
250	10.072	35.310	3.32	10.043	27.187	33.827	40.248	0.305	3.02	248
300	8.823	35.181	3.45	8.791	27.294	33.976	40.437	0.348	2.10	298
350	7.854	35.117	3.76	7.818	27.394	34.109	40.602	0.388	2.77	347
400	6.757	35.061	4.33	6.719	27.506	34.261	40.790	0.423	2.68	397
450	6.075	35.034	4.74	6.035	27.576	34.355	40.909	0.453	2.00	446
500	5.560	35.018	5.07	5.518	27.628	34.426	40.998	0.481	1.63	496
600	5.198	35.025	5.38	5.148	27.678	34.490	41.075	0.531	1.28	595
700	4.751	35.008	5.75	4.695	27.717	34.547	41.148	0.577	0.94	694
800	4.431	34.982	5.96	4.368	27.732	34.575	41.188	0.623	0.87	792
900	4.303	34.981	6.05	4.233	27.746	34.594	41.213	0.667	0.63	891
1000	4.190	34.979	6.12	4.112	27.757	34.610	41.233	0.711	0.65	990
1200	4.015	34.976	6.20	3.921	27.775	34.635	41.265	0.798	0.54	1188
1400	3.886	34.976	6.23	3.776	27.790	34.656	41.291	0.886	0.57	1385
1600	3.781	34.976	6.20	3.654	27.802	34.673	41.313	0.974	0.54	1582
1800	3.648	34.975	6.24	3.504	27.817	34.694	41.339	1.062	0.62	1779
2000	3.499	34.973	6.20	3.339	27.832	34.714	41.366	1.150	0.55	1975
2200	3.360	34.968	6.22	3.183	27.842	34.732	41.390	1.238	0.58	2172
2400	3.187	34.960	6.22	2.994	27.854	34.751	41.416	1.325	0.57	2368
2600	3.032	34.952	6.24	2.821	27.863	34.767	41.439	1.411	0.62	2565
2800	2.842	34.944	6.27	2.615	27.875	34.787	41.467	1.496	0.63	2761
3000	2.632	34.932	6.31	2.389	27.885	34.807	41.496	1.579	0.76	2956
3155	2.279	34.912	6.19	2.028	27.899	34.836	41.539	1.640	1.05	3108

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	NE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
2	11.923	34.462	7.28	1.6	0.59		11.923	26.186	39.151	2
100	13.354	35.584	5.43	3.2	0.53	6.9	13.341	26.777	39.637	99
203	11.187	35.427	3.79	10.6	1.18	19.7	11.161	27.079	40.069	202
302	8.659	35.173	3.52	15.5	1.52	24.6	8.627	27.314	40.467	299
403	6.450	35.042	4.46	14.5	1.51	23.0	6.414	27.532	40.838	400
502	5.542	35.013	5.14	13.6	1.32	21.2	5.499	27.626	40.998	497
599	5.179	35.024	5.34	13.2	1.36	20.7	5.129	27.679	41.078	593
703	4.774	35.007	5.78	12.6	1.33	19.4	4.718	27.714	41.143	696
800	4.443	34.980	5.86	12.2	1.24	18.8	4.381	27.730	41.185	793
998	4.235	34.980	6.08	12.3	1.27	18.9	4.157	27.754	41.226	988
1184	4.039	34.974		12.5	1.26	18.5	3.946	27.771	41.259	1171
1396	3.885	34.975	6.18	12.7	1.26	18.4	3.776	27.790	41.291	1381
1597	3.783	34.974	6.22	13.5	1.23	19.7	3.657	27.801	41.311	1578
1791	3.670	34.980	6.25	14.4	1.25	18.8	3.527	27.819	41.339	1770
1992	3.510	34.971	6.42	15.2	1.23	18.3	3.350	27.829	41.363	1967
2237	3.337	34.970	6.19	16.8	1.25	18.6	3.157	27.847	41.396	2208
2491	3.133	34.955	6.39	18.2	1.27	18.7	2.902	27.858	41.428	2457
2737	2.901	34.947	6.50	19.5	1.28	18.6	2.679	27.872	41.459	2609
2994	2.632	34.936	6.30	20.0	1.21	17.8	2.390	27.888	41.499	2951
3158	2.279	34.912	6.87	26.0	1.24	18.4	2.028	27.899	41.539	3111

ENDEAVOR 83 STA- 4 LAT= 38 36.4N LON= 70 29.5W SONIC DEPTH= 2963m
DATE 21/ 4/82

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 coh	DF m
3	8.956	33.463	7.26	8.956	25.922	32.618	39.091	0.006	6.20	3
25	7.735	33.618	7.04	7.732	26.228	32.964	39.475	0.049	6.36	25
50	8.436	34.020	6.38	8.431	26.440	33.147	39.631	0.091	5.18	50
75	10.076	34.585	5.81	10.067	26.616	33.264	39.691	0.128	3.47	74
100	11.043	34.911	5.53	11.031	26.701	33.315	39.710	0.163	3.45	99
150	12.345	35.502	4.61	12.325	26.917	33.485	39.837	0.226	3.42	149
200	11.792	35.518	3.75	11.767	27.037	33.621	39.989	0.282	2.81	198
250	10.320	35.336	3.34	10.290	27.164	33.797	40.209	0.332	2.93	248
300	9.723	35.219	3.39	9.190	27.259	33.928	40.376	0.378	2.35	298
350	7.970	35.132	3.77	7.935	27.387	34.099	40.588	0.418	3.01	347
400	7.050	35.080	4.17	7.011	27.481	34.225	40.744	0.453	2.13	397
450	6.333	35.057	4.53	6.292	27.560	34.330	40.874	0.485	2.16	446
500	5.870	35.034	4.83	5.826	27.602	34.389	40.950	0.513	1.66	496
600	5.173	35.019	5.34	5.124	27.676	34.490	41.076	0.565	1.40	595
700	4.760	34.991	5.64	4.704	27.703	34.532	41.133	0.613	0.95	694
800	4.655	35.007	5.74	4.591	27.727	34.561	41.166	0.659	0.76	792
900	4.520	35.007	5.83	4.448	27.743	34.583	41.193	0.704	0.84	891
1000	4.308	34.997	5.97	4.230	27.760	34.608	41.226	0.748	0.63	990
1200	4.092	34.981	6.10	3.988	27.772	34.630	41.257	0.836	0.58	1188
1400	3.937	34.976	6.16	3.827	27.786	34.649	41.283	0.925	0.58	1385
1600	3.799	34.976	6.19	3.672	27.801	34.670	41.310	1.014	0.60	1582
1800	3.676	34.975	6.19	3.532	27.815	34.690	41.334	1.102	0.56	1779
2000	3.556	34.972	6.21	3.395	27.825	34.706	41.356	1.191	0.50	1975
2200	3.404	34.969	6.19	3.227	27.839	34.726	41.382	1.280	0.65	2172
2400	3.240	34.961	6.19	3.045	27.850	34.745	41.408	1.369	0.59	2368
2600	3.048	34.952	6.23	2.837	27.862	34.765	41.436	1.456	0.62	2565
2800	2.860	34.944	6.25	2.633	27.873	34.785	41.464	1.542	0.76	2761
3000	2.523	34.926	6.29	2.282	27.889	34.815	41.509	1.625	0.84	2956
3005	2.497	34.925	6.28	2.256	27.890	34.818	41.512	1.627	1.63	2961

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	DF m
28	7.955	33.557	7.19	1.5	0.42	1.0	7.952	26.148	39.381	28
101	11.406	35.029	5.52	3.1	0.54	7.4	11.393	26.727	39.711	100
200	11.696	35.515	3.66	9.7	1.12	19.0	11.670	27.053	40.011	199
299	9.350	35.231	3.35	14.6	1.53	24.6	9.317	27.248	40.356	297
400	7.237	35.086	4.00	15.1	1.53	24.2	7.198	27.459	40.710	396
499	5.956	35.032	4.79	13.5	1.32	21.1	5.922	27.588	40.929	494
599	5.235	35.018	5.27	13.0	1.33	20.6	5.185	27.668	41.063	594
700	4.843	34.994	5.61	12.5	1.29	19.4	4.786	27.695	41.120	693
796	4.681	34.997	5.66	12.2	1.24	19.2	4.617	27.717	41.154	788
996	4.339	34.994	6.07	12.3	1.20	18.6	4.261	27.754	41.218	986
1195	4.129	34.980	6.11	12.2	1.15	18.3	4.034	27.767	41.248	1182
1393	3.962	34.972	6.20	12.5	1.22	18.5	3.852	27.779	41.275	1378
1595	3.821	34.980	6.15	13.1	1.27	18.3	3.695	27.802	41.309	1576
1791	3.683	34.974	6.17	14.2	1.27	18.6	3.540	27.813	41.332	1769
1999	3.555	34.970	6.22	15.0	1.20	18.3	3.394	27.824	41.354	1975
2254	3.351	34.965	6.15	16.6	1.26	18.3	3.169	27.841	41.390	2275
2496	3.164	34.957	6.28	17.6	1.22	18.3	2.961	27.854	41.419	2462
2744	2.937	34.950	6.34	18.9	1.18	17.8	2.714	27.871	41.456	2705
2900	2.728	34.944	6.23	19.6	1.19	17.9	2.493	27.886	41.488	2858
3008	2.484	34.923	6.46	21.8	1.18	17.2	2.244	27.890	41.513	2964

ENDEAVOR 23 STA- 5
DATE 21/ 4/82

LAT= 38 42.3N LON= 70 41.0W

SONIC DEPTH= 3070m

PR	T	S	02	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
1	11.988	34.598	4.17	11.988	26.280	32.867	39.238	0.002	2.91	1
25	11.100	34.675	6.59	11.097	26.506	33.120	39.515	0.042	6.15	25
50	11.930	35.125	5.49	11.924	26.702	33.286	39.652	0.077	4.59	50
75	13.325	35.583	5.19	13.315	26.781	33.320	39.644	0.110	2.29	74
100	13.770	35.738	5.16	13.755	26.810	33.335	39.645	0.142	1.18	99
150	13.529	35.683	5.19	13.507	26.819	33.351	39.668	0.205	0.76	149
200	13.543	35.700	5.16	13.519	26.830	33.362	39.678	0.268	2.16	198
250	12.352	35.580	4.04	12.319	26.979	33.546	39.897	0.328	2.91	248
300	10.596	35.369	3.37	10.559	27.143	33.766	40.170	0.381	2.97	298
350	9.265	35.218	3.36	9.225	27.253	33.920	40.367	0.428	2.95	347
400	8.149	35.136	3.66	8.108	27.364	34.070	40.553	0.470	2.47	397
450	7.261	35.092	4.03	7.217	27.461	34.198	40.710	0.506	2.26	446
500	6.592	35.061	4.35	6.545	27.529	34.290	40.826	0.540	2.25	496
600	5.542	35.025	5.02	5.491	27.636	34.436	41.009	0.597	1.48	595
700	5.060	35.007	5.39	5.002	27.681	34.499	41.089	0.648	1.23	694
800	4.773	35.011	5.60	4.708	27.718	34.547	41.148	0.696	1.06	792
900	4.493	34.987	5.84	4.421	27.731	34.571	41.183	0.742	0.79	891
1000	4.262	34.984	5.95	4.283	27.743	34.589	41.206	0.788	0.76	990
1200	4.181	34.988	5.04	4.086	27.768	34.621	41.245	0.878	0.58	1188
1400	3.979	34.976	5.16	3.868	27.781	34.643	41.275	0.968	0.57	1385
1600	3.868	34.974	6.13	3.740	27.793	34.660	41.296	1.059	0.50	1582
1800	3.788	34.977	6.13	3.642	27.805	34.676	41.316	1.150	0.53	1779
2000	3.587	34.973	6.18	3.426	27.823	34.702	41.351	1.242	0.65	1975
2200	3.477	34.972	6.16	3.298	27.835	34.719	41.373	1.332	0.61	2172
2400	3.344	34.967	6.14	3.147	27.845	34.736	41.395	1.422	0.50	2368
2600	3.227	34.960	6.16	3.013	27.852	34.748	41.413	1.513	0.52	2565
2800	3.074	34.952	6.19	2.843	27.861	34.764	41.435	1.603	0.91	2761
3000	2.435	34.921	6.28	2.196	27.892	34.822	41.519	1.687	0.96	2956
3105	2.325	34.914	6.27	2.078	27.897	34.831	41.533	1.727	0.68	3059

PR	T	S	02	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
34	11.446	34.860	6.33			3.1	11.442	26.586	39.571	33
117	14.044	35.828	5.48			6.7	14.027	26.822	39.640	116
218	12.773	35.567	4.85			11.4	12.743	26.885	39.779	216
314	10.578	35.362	3.42			23.5	10.540	27.141	40.170	311
426	8.022	35.127	3.83			24.5	7.978	27.377	40.575	423
507	6.501	35.050	4.49				6.454	27.533	40.836	503
628	5.387	35.016	5.34				5.334	27.649	41.032	623
742	4.851	34.995					4.791	27.696	41.120	735
827	4.737	35.002	5.75				4.670	27.715	41.148	819
1052	4.411	35.010	6.07				4.327	27.759	41.218	1042
1262	4.180	34.987	6.13				4.079	27.768	41.245	1249
1432	3.971	34.969	6.18				3.858	27.776	41.271	1417
1595	3.883	34.975	6.17				3.755	27.792	41.294	1577
1794	3.797	34.975	6.27				3.652	27.802	41.313	1772
2001	3.626	34.974	6.20				3.464	27.820	41.345	1976
2244	3.456	34.973	6.18				3.273	27.838	41.378	2215
2494	3.306	34.964	6.19				3.101	27.847	41.401	2460
2742	3.137	34.956	6.17				2.910	27.858	41.427	2703
2992	2.438	34.925	6.23				2.200	27.895	41.522	2948
3107	2.325	34.917	6.34				2.078	27.899	41.535	3061

ENDEAVOR 83 STA- 6 LAT= 38 45.9N LON= 70 51.7W SONIC DEPTH= 2910m
DATE 22/ 4/82

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	cdh	m
9	13.606	35.331	6.65	13.604	26.527	33.060	39.378	0.013	8.17	9
25	14.603	35.887	5.79	14.599	26.745	33.244	39.531	0.036	3.53	25
50	15.338	36.146	5.32	15.331	26.783	33.261	39.526	0.068	1.30	50
75	15.183	36.118	5.20	15.172	26.797	33.279	39.548	0.099	1.25	74
100	15.011	36.075	5.15	14.995	26.803	33.290	39.564	0.131	0.93	99
150	14.818	36.028	5.12	14.795	26.811	33.304	39.584	0.195	0.48	149
200	14.798	36.026	5.11	14.767	26.816	33.309	39.590	0.259	0.57	198
250	14.557	35.961	5.16	14.520	26.820	33.321	39.608	0.323	0.75	248
300	14.130	35.892	4.70	14.086	26.859	33.373	39.673	0.388	2.96	298
350	11.945	35.549	3.62	11.899	27.035	33.616	39.979	0.448	3.49	347
400	10.429	35.352	3.47	10.380	27.162	33.791	40.200	0.500	3.03	397
450	9.006	35.196	3.48	8.957	27.279	33.956	40.411	0.547	2.70	446
500	7.940	35.118	3.78	7.889	27.384	34.097	40.587	0.588	2.43	496
600	6.498	35.059	4.46	6.442	27.542	34.306	40.845	0.659	2.25	595
700	5.471	35.020	5.12	5.411	27.643	34.445	41.021	0.717	1.54	694
800	5.011	34.998	5.46	4.945	27.680	34.501	41.093	0.768	1.01	792
900	4.868	35.025	5.63	4.794	27.719	34.545	41.142	0.818	1.06	891
1000	4.519	34.995	5.87	4.439	27.735	34.575	41.185	0.865	0.77	990
1200	4.229	34.982	6.06	4.133	27.758	34.610	41.232	0.958	0.64	1188
1400	4.095	34.981	6.12	3.982	27.773	34.630	41.258	1.050	0.54	1385
1600	3.947	34.978	6.17	3.818	27.788	34.652	41.285	1.142	0.61	1582
1800	3.758	34.976	6.17	3.613	27.807	34.679	41.320	1.234	0.62	1779
2000	3.621	34.975	6.17	3.459	27.821	34.699	41.347	1.325	0.54	1975
2200	3.472	34.972	6.15	3.293	27.835	34.720	41.374	1.416	0.65	2172
2400	3.325	34.967	6.20	3.129	27.847	34.738	41.398	1.506	0.59	2368
2600	3.107	34.957	6.22	2.895	27.860	34.761	41.430	1.595	0.79	2564
2800	2.740	34.939	6.26	2.516	27.880	34.797	41.481	1.679	0.84	2760
2943	2.317	34.916	6.32	2.087	27.897	34.832	41.533	1.736	1.25	2901

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	14.413	35.812	6.03	2.3	0.25	3.4	14.413	26.727	39.525	3
100	15.136	36.109	5.36	2.3	0.26	5.6	15.121	26.801	39.555	100
202	14.958	36.072	5.45	2.8	0.35	6.8	14.927	26.816	39.581	200
300	13.111	35.706	4.68	5.6	0.68	12.3	13.069	26.927	39.800	298
404	10.306	35.323	3.70	13.7	1.50	21.7	10.257	27.160	40.207	400
507	8.165	35.125	3.70	15.7	1.53	24.3	8.112	27.356	40.544	502
601	6.573	35.054	4.41	14.6	1.45	22.5	6.517	27.528	40.827	596
701	5.524	35.019	4.98	13.6	1.35	20.9	5.464	27.635	41.010	695
801	4.931	35.004	5.46	12.8	1.30	19.5	4.865	27.694	41.113	794
898	4.708	35.003	5.69	12.6	1.24	19.1	4.635	27.720	41.155	889
1009	4.493	34.991	5.79	12.3	1.24	18.7	4.412	27.735	41.187	999
1200	4.222	34.976	6.06	12.2	1.18	18.3	4.126	27.754	41.228	1187
1402	4.039	34.976	6.06	12.3	1.16	18.2	3.927	27.775	41.264	1387
1604	3.904	34.976	6.14	12.9	1.17	18.1	3.776	27.790	41.292	1586
1793	3.785	34.974	6.16	13.5	1.18	18.0	3.640	27.803	41.314	1772
2001	3.653	34.973	6.11	14.6	1.16	18.0	3.490	27.817	41.340	1976
2251	3.459	34.973	6.14	16.1	1.20	18.0	3.275	27.838	41.378	2227
2501	3.234	34.962	6.14	18.1	1.08	18.0	3.029	27.852	41.411	2468
2627	3.079	34.955	6.16	18.6	1.14	17.9	2.865	27.862	41.434	2590
2945	2.304	34.917	6.58	24.4	1.15	18.0	2.074	27.899	41.536	2903

ENDEAVOR 83 STA- 7
DATE 22/ 4/82

LAT= 38 49.5N LON= 71 2.7W

SONIC DEPTH= 2925m

PR	T	S	O2	Θ	SIG-Θ	SIG-I.σ	SIG-3	HGTH	N	DE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cpH	m
11	15.759	36.277	5.38	15.757	26.787	33.252	39.505	0.014	0.57	11
25	15.774	36.278	5.40	15.770	26.785	33.250	39.502	0.031	0.25	25
50	15.778	36.279	5.40	15.771	26.786	33.250	39.503	0.063	-0.54	50
75	15.777	36.277	5.34	15.765	26.785	33.250	39.503	0.095	0.16	74
100	15.757	36.273	5.25	15.742	26.787	33.253	39.506	0.127	0.93	99
150	15.363	36.174	5.27	15.340	26.802	33.279	39.544	0.191	0.83	149
200	15.280	36.156	5.22	15.249	26.809	33.288	39.555	0.256	0.51	198
250	15.110	36.110	5.20	15.071	26.813	33.298	39.570	0.321	0.50	248
300	14.658	35.984	5.28	14.613	26.817	33.315	39.600	0.386	0.63	298
350	14.311	35.895	5.23	14.259	26.825	33.334	39.629	0.453	1.32	347
400	12.819	35.679	3.76	12.764	26.967	33.521	39.858	0.517	3.63	397
450	10.947	35.420	3.39	10.890	27.123	33.735	40.129	0.573	3.19	446
500	9.569	35.254	3.32	9.511	27.233	33.891	40.329	0.622	2.79	496
600	7.487	35.099	3.85	7.427	27.437	34.166	40.672	0.705	2.53	595
700	5.809	35.025	4.75	5.748	27.605	34.395	40.959	0.771	2.04	694
800	5.106	35.020	5.31	5.040	27.687	34.504	41.092	0.825	1.47	792
900	4.720	35.000	5.61	4.646	27.716	34.547	41.150	0.873	0.91	891
1000	4.440	34.975	5.80	4.360	27.728	34.571	41.185	0.921	0.73	990
1200	4.247	34.975	5.96	4.151	27.750	34.601	41.223	1.015	0.66	1188
1400	4.108	34.980	6.06	3.996	27.771	34.628	41.255	1.108	0.58	1385
1600	3.973	34.983	6.11	3.844	27.789	34.652	41.285	1.201	0.62	1582
1800	3.806	34.979	6.16	3.661	27.804	34.674	41.314	1.293	0.57	1779
2000	3.701	34.978	6.18	3.538	27.816	34.691	41.335	1.385	0.55	1975
2200	3.510	34.974	6.19	3.330	27.833	34.716	41.369	1.477	0.62	2172
2400	3.376	34.969	6.18	3.179	27.844	34.733	41.391	1.568	0.62	2368
2600	3.201	34.960	6.18	2.987	27.855	34.752	41.417	1.658	0.60	2564
2800	2.919	34.946	6.24	2.691	27.870	34.780	41.457	1.748	1.28	2760
2957	2.305	34.915	6.28	2.074	27.897	34.832	41.534	1.809	0.78	2914

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
29	15.839	36.297	5.30	2.4	0.30	5.7	15.834	26.785	39.498	29
104	15.850	36.306	5.32	2.4	0.30	5.8	15.834	26.792	39.505	103
201	15.598	36.238	5.18	2.6	0.34	6.5	15.566	26.801	39.529	199
300	15.026	36.095	5.19	2.9	0.39	7.1	14.980	26.822	39.583	297
399	12.982	35.736	3.73	7.4	0.94	16.1	12.926	26.979	39.860	395
499	9.393	35.239	3.35	14.7	1.51	24.1	9.336	27.251	40.357	495
590	7.483	35.101	3.88	15.0	1.54	23.7	7.424	27.438	40.674	585
699	6.109	35.033	4.72	14.0	1.45	21.9	6.046	27.573	40.905	692
797	5.225	35.012	5.23	13.1	1.34	20.2	5.158	27.666	41.063	789
997	4.417	34.974	5.80	12.0	1.25	18.7	4.338	27.730	41.188	987
1232	4.223	34.980	5.99	12.0	1.24	18.2	4.124	27.757	41.232	1219
1395	4.154	34.987	6.03	12.3	1.24	19.4	4.041	27.772	41.252	1380
1593	3.967	34.978	6.06	12.8	1.24	17.9	3.839	27.786	41.282	1575
1795	3.814	34.981	6.15	13.6	1.23	18.1	3.669	27.805	41.314	1773
2006	3.684	34.983	6.11	14.3	1.23	18.0	3.521	27.822	41.342	1981
2244	3.485	34.971	6.12	15.9	1.22	17.9	3.302	27.834	41.371	2215
2496	3.297	34.967	6.22	17.4	1.24	18.0	3.092	27.850	41.405	2463
2696	3.127	34.952	6.15	17.9	1.22	18.2	2.900	27.856	41.426	2658
2863	2.540	34.927	6.33	22.8	1.22	17.9	2.314	27.888	41.505	2822
2969	2.308	34.915	6.28	25.1	1.22	18.3	2.075	27.898	41.534	2926

ENDEAVOR 83 STA- 8 LAT= 38 54.5N LON= 71 17.5W SONIC DEPTH= 2744m
DATE 22/ 4/82

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cdh	m
11	15.561	36.214	5.18	15.559	26.783	33.254	39.513	0.014	1.54	11
25	15.537	36.214	5.25	15.534	26.789	33.261	39.520	0.031	0.83	25
50	15.545	36.219	5.23	15.537	26.793	33.264	39.523	0.063	0.36	50
75	15.556	36.222	5.20	15.544	26.793	33.264	39.523	0.095	0.11	74
100	15.552	36.220	5.19	15.536	26.793	33.265	39.523	0.126	-0.11	99
150	15.572	36.224	5.14	15.549	26.794	33.265	39.523	0.191	0.29	149
200	15.587	36.227	5.14	15.555	26.795	33.266	39.524	0.256	0.38	198
250	15.532	36.217	5.08	15.492	26.801	33.274	39.534	0.322	0.78	248
300	15.356	36.169	5.13	15.310	26.805	33.283	39.548	0.388	-0.28	298
350	15.348	36.164	5.14	15.293	26.805	33.283	39.549	0.455	0.38	347
400	15.142	36.108	5.15	15.080	26.809	33.294	39.566	0.523	1.05	397
450	14.102	35.908	4.43	14.036	26.882	33.397	39.698	0.591	3.74	446
500	12.067	35.579	3.66	12.000	27.040	33.617	39.977	0.651	3.10	496
600	9.205	35.237	3.50	9.137	27.282	33.953	40.401	0.753	2.55	595
700	7.143	35.087	4.04	7.074	27.478	34.220	40.737	0.835	2.87	694
800	5.635	35.030	4.93	5.565	27.632	34.429	40.998	0.896	1.45	792
900	5.167	35.017	5.26	5.090	27.678	34.493	41.080	0.950	1.26	891
1000	4.654	34.994	5.60	4.572	27.720	34.554	41.160	1.000	0.82	990
1200	4.404	34.989	5.83	4.307	27.745	34.590	41.206	1.096	0.72	1187
1400	4.200	34.992	5.95	4.087	27.771	34.624	41.248	1.190	0.65	1385
1600	3.988	34.978	6.06	3.859	27.784	34.646	41.278	1.284	0.54	1582
1800	3.883	34.978	6.11	3.736	27.796	34.663	41.300	1.378	0.60	1779
2000	3.753	34.980	6.11	3.589	27.812	34.685	41.328	1.471	0.63	1975
2200	3.604	34.979	6.10	3.423	27.828	34.707	41.356	1.565	0.63	2172
2400	3.443	34.972	6.15	3.245	27.840	34.727	41.382	1.657	0.54	2368
2600	3.236	34.962	6.20	3.022	27.853	34.748	41.412	1.749	0.84	2564
2773	2.585	34.931	6.22	2.366	27.887	34.809	41.499	1.822	1.53	2734

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	NE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
5	15.703	36.242	5.48	2.6	0.34	6.0	15.702	26.773	39.494	5
77	15.641	36.244	5.21	2.6	0.34	6.0	15.628	26.791	39.516	77
199	15.637	36.242	5.19	2.6	0.34	6.2	15.605	26.795	39.521	197
307	15.421	36.184	5.26	2.6	0.37	6.2	15.373	26.803	39.542	305
398	15.076	36.093	5.13	2.9	0.42	7.1	15.014	26.813	39.573	395
498	12.244	35.602	3.67	8.9	1.09	17.4	12.177	27.023	39.950	493
605	9.373	35.249	3.56	13.9	1.49	22.5	9.304	27.264	40.372	599
699	7.383	35.092	4.05	14.8	1.58	22.9	7.313	27.447	40.690	693
796	5.751	35.031	4.93	13.8	1.42	20.5	5.681	27.618	40.976	789
896	5.277	35.023	5.22	13.0	1.35	19.7	5.200	27.670	41.064	888
1011	4.655	34.989	5.70	12.2	1.29	18.4	4.572	27.716	41.156	1001
1197	4.379	34.998	5.95	12.0	1.24	17.9	4.282	27.755	41.217	1184
1394	4.180	34.998	5.99	12.5	1.27	17.8	4.067	27.778	41.256	1379
1596	3.970	34.974	6.07	12.5	1.22	17.4	3.842	27.782	41.278	1577
1809	3.855	34.974	6.13	13.2	1.22	17.5	3.708	27.796	41.302	1787
2000	3.718	34.976	6.13	14.3	1.25	17.6	3.555	27.813	41.331	1975
2242	3.546	34.974	6.13	15.5	1.23	18.0	3.361	27.830	41.363	2213
2499	3.346	34.968	6.13	16.6	1.22	17.5	3.140	27.847	41.397	2465
2659	3.077	34.953	6.18	18.0	1.24	17.8	2.860	27.861	41.433	2673
2777	2.586	34.927	6.24	22.1	1.24	17.5	2.366	27.893	41.496	2738

ENDEAVOR 83 STA- 9 LAT= 38 59.4N LON= 71 28.4W SONIC DEPTH= 2556m
DATE 22/ 4/82

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	coh	m
3	15.984	36.326	5.31	15.983	26.773	33.232	39.478	0.004	0.60	3
25	15.959	36.325	5.34	15.955	26.779	33.238	39.485	0.032	0.98	25
50	15.945	36.324	5.32	15.937	26.782	33.242	39.489	0.063	0.36	50
75	15.946	36.324	5.29	15.934	26.783	33.243	39.491	0.095	0.35	74
100	15.950	36.324	5.28	15.934	26.783	33.243	39.491	0.127	0.16	99
150	15.955	36.324	5.28	15.931	26.783	33.243	39.491	0.192	0.14	149
200	15.954	36.322	5.25	15.922	26.784	33.244	39.493	0.258	0.17	198
250	15.935	36.316	5.21	15.895	26.785	33.246	39.495	0.325	0.36	248
300	15.894	36.303	5.19	15.846	26.787	33.249	39.499	0.392	0.50	298
350	15.729	36.263	5.18	15.674	26.795	33.262	39.517	0.460	0.66	347
400	15.631	36.235	5.19	15.568	26.798	33.268	39.526	0.528	0.62	397
450	14.576	36.019	4.82	14.508	26.867	33.368	39.655	0.597	4.18	446
500	12.075	35.584	3.72	12.008	27.042	33.619	39.979	0.658	2.77	496
600	9.006	35.220	3.56	8.939	27.301	33.978	40.433	0.761	3.02	595
700	6.898	35.078	4.18	6.831	27.504	34.255	40.781	0.841	2.68	694
800	5.761	35.038	4.82	5.690	27.622	34.414	40.980	0.902	1.63	792
900	5.027	35.008	5.36	4.952	27.687	34.507	41.099	0.956	1.25	891
1000	4.690	34.998	5.65	4.609	27.718	34.552	41.156	1.005	0.89	990
1200	4.500	35.011	5.81	4.401	27.752	34.593	41.205	1.101	0.76	1187
1400	4.125	34.984	6.03	4.012	27.772	34.628	41.255	1.195	0.67	1385
1600	3.961	34.979	6.11	3.832	27.787	34.650	41.284	1.287	0.56	1582
1800	3.837	34.980	6.12	3.690	27.803	34.671	41.310	1.380	0.68	1779
2000	3.685	34.980	6.14	3.522	27.819	34.695	41.340	1.472	0.51	1975
2200	3.507	34.973	6.13	3.328	27.833	34.716	41.368	1.564	0.68	2172
2400	3.257	34.964	6.15	3.062	27.851	34.745	41.407	1.654	0.99	2368
2581	2.784	34.943	6.23	2.580	27.878	34.792	41.473	1.730	1.10	2546

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	NE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
11	15.968	36.324	5.31	2.4	0.35	5.4	15.966	26.775	39.481	11
100	15.936	36.320	5.25	2.5	0.33	5.5	15.920	26.783	39.491	99
200	15.938	36.314	5.24	2.5	0.33	5.6	15.906	26.781	39.491	198
301	15.883	36.304	5.15	2.5	0.37	5.9	15.835	26.790	39.503	298
400	15.587	36.220	5.19	2.7	0.38	6.3	15.524	26.796	39.527	397
499	12.277	35.603	3.63	9.1	1.06	17.6	12.209	27.018	39.942	495
589	10.014	35.317	3.49	13.3	1.43	22.3	9.944	27.210	40.276	583
699	7.018	35.077	4.15	15.0	1.52	22.5	6.950	27.487	40.755	693
800	5.712	35.032	4.97	13.8	1.41	20.6	5.641	27.624	40.985	792
897	5.098	35.006	5.34	13.0	1.32	19.3	5.023	27.678	41.084	888
1008	4.701	34.987	5.66	12.5	1.29	18.6	4.619	27.709	41.146	998
1200	4.494	35.005	5.88	12.5	1.24	18.1	4.396	27.748	41.201	1187
1399	4.097	34.976	6.04	12.4	1.23	17.7	3.985	27.769	41.254	1383
1596	3.950	34.978	6.09	12.7	1.22	17.8	3.821	27.787	41.285	1577
1785	3.810	34.973	6.14	13.6	1.21	17.8	3.666	27.799	41.309	1764
1995	3.689	34.977	6.14	14.7	1.21	17.6	3.527	27.816	41.337	1970
2243	3.475	34.965	6.14	15.6	1.20	17.5	3.292	27.830	41.368	2214
2346	3.382	34.974	6.14	16.6	1.21	18.5	3.190	27.847	41.393	2315
2477	3.020	34.948	6.24	17.9	1.15	17.2	2.822	27.860	41.436	2443
2583	2.783	34.939	6.28	20.1	1.20	17.5	2.579	27.874	41.470	2548

ENDEAVOR R3 STA- 10
DATE 22/ 4/82

LAT= 39 5.1N LON= 71 39.5W

SONIC DEPTH= 2510m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	15.930	36.332	5.38	15.930	26.790	33.250	39.497	0.004	-1.55	3
25	15.953	36.327	5.32	15.949	26.782	33.241	39.489	0.031	0.52	25
50	15.956	36.328	5.34	15.948	26.783	33.242	39.490	0.063	0.30	50
75	15.957	36.327	5.30	15.945	26.782	33.242	39.489	0.095	-0.17	74
100	15.956	36.326	5.25	15.940	26.783	33.242	39.490	0.127	0.31	99
150	15.953	36.324	5.25	15.929	26.784	33.244	39.492	0.192	0.28	149
200	15.942	36.321	5.23	15.910	26.786	33.246	39.495	0.258	0.39	198
250	15.933	36.318	5.29	15.893	26.788	33.249	39.498	0.324	0.57	248
300	15.752	36.272	5.20	15.704	26.795	33.262	39.516	0.391	0.50	298
350	15.662	36.247	5.15	15.607	26.798	33.267	39.524	0.459	1.29	347
400	14.398	35.974	4.45	14.339	26.869	33.375	39.667	0.526	3.26	397
450	12.157	35.587	3.66	12.097	27.027	33.601	39.959	0.587	3.11	446
500	10.535	35.368	3.40	10.474	27.157	33.783	40.190	0.641	2.89	496
600	7.847	35.114	3.72	7.785	27.396	34.113	40.607	0.731	2.90	595
700	6.177	35.042	4.56	6.113	27.572	34.349	40.899	0.800	2.24	694
800	5.187	35.008	5.22	5.120	27.667	34.481	41.067	0.856	1.53	792
900	4.813	34.996	5.55	4.739	27.702	34.531	41.130	0.907	1.10	891
1000	4.524	34.982	5.75	4.444	27.724	34.564	41.175	0.955	0.83	990
1200	4.365	34.997	5.91	4.268	27.755	34.602	41.219	1.049	0.71	1187
1400	4.052	34.977	6.10	3.940	27.774	34.634	41.263	1.141	0.63	1385
1600	3.934	34.978	6.17	3.805	27.789	34.653	41.287	1.233	0.59	1582
1800	3.773	34.976	6.15	3.628	27.805	34.677	41.318	1.325	0.62	1779
2000	3.621	34.975	6.14	3.459	27.821	34.699	41.347	1.416	0.57	1975
2200	3.447	34.971	6.14	3.268	27.837	34.723	41.377	1.507	0.76	2172
2400	3.081	34.957	6.15	2.889	27.861	34.762	41.432	1.594	0.71	2368
2535	3.080	34.955	6.17	2.875	27.861	34.763	41.433	1.652	0.08	2501

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
12	15.925	36.323	5.29	2.4	0.34	5.6	15.923	26.785	39.493	12
102	15.949	36.323	5.26	1.7	0.24	4.2	15.933	26.782	39.490	101
200	15.948	36.318	5.20	2.3	0.33	5.6	15.916	26.782	39.491	198
299	15.727	36.261	5.24	2.0	0.32	5.3	15.680	26.793	39.515	296
395	14.994	36.086	4.91	3.0	0.43	7.4	14.933	26.825	39.590	392
497	10.817	35.404	3.41	10.5	1.23	19.4	10.755	27.135	40.150	492
596	8.315	35.147	3.62	15.2	1.59	24.7	8.252	27.351	40.530	591
697	6.321	35.040	4.87		1.39		6.257	27.551	40.869	690
797	5.295	35.019	5.29	13.1	1.37	20.8	5.227	27.664	41.055	789
896	4.904	34.999	5.47		1.14		4.830	27.694	41.116	887
998	4.618	34.990	5.73	12.2	1.27	19.5	4.537	27.720	41.163	988
1096	4.532	34.998	5.84	12.2	1.26	19.0	4.443	27.737	41.187	1085
1245	4.231	34.982	5.94	11.6	1.20	18.1	4.131	27.758	41.232	1232
1394	4.062	34.981	6.08	12.1	1.22	18.3	3.951	27.776	41.264	1379
1587	3.952	34.984	6.12	12.5	1.21	18.4	3.824	27.792	41.289	1568
1792	3.772	34.973	6.14	12.7	1.17	17.4	3.628	27.803	41.316	1771
1992	3.633	34.977	6.12	14.5	1.24	18.5	3.472	27.822	41.346	1967
2177	3.512	34.972	6.13	15.7	1.26	18.4	3.334	27.831	41.366	2149
2402	3.109	34.959	6.22	17.5	1.22	17.8	2.907	27.861	41.430	2370
2539	3.081	34.955	6.11	18.4	1.26	18.3	2.875	27.861	41.432	2505

ENDEAVOR 83 STA- 11
DATE 23/ 4/82

LAT= 39 10.2N LON= 71 51.3W

SONIC DEPTH= 2001m

PR	T	S	O2	θ	SIG-B	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cdh	m
3	14.406	35.871	5.65	14.406	26.774	33.279	39.571	0.004	-0.88	3
25	14.694	35.949	5.85	14.690	26.773	33.270	39.553	0.032	1.39	25
50	15.052	36.067	5.81	15.045	26.786	33.272	39.545	0.063	0.74	50
75	15.153	36.105	5.63	15.151	26.791	33.274	39.544	0.095	1.02	74
100	15.170	36.106	5.47	15.154	26.792	33.274	39.544	0.127	1.10	99
150	14.911	36.053	5.36	14.889	26.809	33.300	39.577	0.191	0.65	149
200	14.741	36.010	5.35	14.711	26.815	33.311	39.593	0.255	0.77	198
250	14.711	36.010	5.23	14.673	26.824	33.320	39.603	0.320	1.16	248
300	13.340	35.739	4.56	13.297	26.906	33.443	39.766	0.384	3.07	298
350	12.224	35.590	3.66	12.177	27.014	33.585	39.940	0.442	2.89	347
400	10.656	35.384	3.49	10.617	27.144	33.766	40.168	0.496	3.13	397
450	8.890	35.194	3.52	8.840	27.296	33.977	40.435	0.542	2.67	446
500	8.128	35.137	3.71	8.076	27.371	34.078	40.561	0.584	2.76	496
600	6.340	35.047	4.52	6.285	27.553	34.324	40.868	0.653	2.40	595
700	5.227	35.006	5.24	5.168	27.661	34.473	41.057	0.709	1.31	694
800	4.900	35.000	5.52	4.834	27.694	34.519	41.115	0.759	1.12	792
900	4.659	34.998	5.70	4.586	27.721	34.555	41.160	0.807	0.89	891
1000	4.431	34.986	5.85	4.351	27.737	34.580	41.194	0.854	0.80	990
1200	4.166	34.981	6.03	4.071	27.764	34.618	41.243	0.945	0.75	1187
1400	3.971	34.978	6.15	3.860	27.783	34.646	41.278	1.035	0.57	1385
1600	3.837	34.976	6.25	3.710	27.797	34.665	41.303	1.124	0.59	1582
1800	3.710	34.976	6.25	3.565	27.811	34.685	41.329	1.214	0.61	1779
2000	3.512	34.973	6.31	3.352	27.830	34.713	41.364	1.304	0.71	1975
2027	3.466	34.972	6.25	3.304	27.834	34.718	41.371	1.316	0.64	2002

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-B	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
13	14.044	35.751	5.93	2.4	0.36	4.6	14.042	26.759	39.578	13
105	14.518	35.938	5.35	1.8	0.24	5.2	14.502	26.805	39.595	105
203	14.262	35.889	5.38	2.5	0.29	6.1	14.232	26.826	39.631	202
300	14.092	35.838	5.41	2.8	0.31	5.2	14.048	26.826	39.642	298
399	11.052	35.427	3.37		0.57		11.002	27.109	40.108	395
499	8.102	35.136	3.70	15.1	1.33	22.9	8.050	27.373	40.566	495
602	6.213	35.040	4.58	14.2	1.32	20.7	6.158	27.564	40.888	597
698	5.263	35.002	5.22	13.0	1.27	19.5	5.204	27.653	41.047	692
800	4.944	35.001	5.46	12.6	1.29	19.3	4.878	27.690	41.108	792
901	4.682	34.994	5.57	12.2	1.20	18.5	4.609	27.715	41.153	892
1002	4.431	34.987	6.24	12.1	1.19	18.5	4.351	27.738	41.196	992
1196	4.205	34.979	5.88				4.110	27.758	41.234	1182
1396	4.004	34.977	6.06	12.4	1.06	17.1	3.893	27.779	41.271	1380
1592	3.853	34.971	6.23	12.9	1.10	16.9	3.726	27.792	41.297	1574
1801	3.721	34.974	6.05	13.8	1.12	17.9	3.577	27.809	41.325	1780
2031	3.466	34.967	6.32	15.9	1.17	17.9	3.304	27.830	41.368	2005

ENDEAVOR 83 STA- 12
DATE 23/ 4/82

LAT= 39 15.4N LON= 72 3.4W

SONIC DEPTH= 1088m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	11.416	34.732	6.35	11.416	26.491	33.095	39.480	0.005	-0.50	3
25	11.289	34.718	6.45	11.286	26.504	33.112	39.501	0.038	3.51	25
50	10.926	34.838	5.84	10.920	26.664	33.282	39.681	0.074	3.06	50
75	11.613	35.069	5.67	11.603	26.718	33.313	39.689	0.108	2.64	74
100	11.959	35.226	5.53	11.946	26.775	33.358	39.723	0.141	2.67	99
150	12.067	35.363	5.15	12.047	26.862	33.440	39.801	0.203	2.52	149
200	12.164	35.561	3.88	12.138	26.999	33.572	39.929	0.261	2.55	198
250	11.083	35.427	3.44	11.051	27.099	33.707	40.096	0.314	2.57	248
300	9.605	35.260	3.37	9.571	27.228	33.884	40.319	0.363	2.98	298
350	8.359	35.145	3.51	8.322	27.339	34.037	40.513	0.405	2.81	347
400	7.339	35.097	3.96	7.300	27.453	34.187	40.697	0.442	2.73	397
450	6.362	35.048	4.51	6.321	27.549	34.319	40.862	0.474	2.16	446
500	5.909	35.031	4.69	5.865	27.595	34.381	40.940	0.503	1.69	496
600	5.319	35.016	5.11	5.269	27.657	34.465	41.045	0.556	1.38	595
700	4.917	35.001	5.50	4.760	27.704	34.531	41.130	0.605	1.12	694
800	4.571	34.994	5.58	4.508	27.727	34.564	41.172	0.651	0.86	792
900	4.375	34.982	5.71	4.305	27.740	34.585	41.201	0.696	0.86	891
1000	4.229	34.977	5.86	4.151	27.752	34.603	41.225	0.741	0.66	990
1095	4.107	34.976	5.82	4.021	27.765	34.621	41.247	0.783	0.74	1084

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	NE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
3	11.374	34.757	6.50				11.373	26.519	39.510	3
107	11.978	35.242	5.34				11.964	26.785	39.731	106
199	12.230	35.547	4.14	8.0	0.96	16.1	12.203	26.975	39.901	197
302	9.543	35.244	3.41	14.3	1.48	23.6	9.508	27.226	40.322	299
398	7.549	35.095	3.93	15.5	1.51	24.0	7.509	27.421	40.651	394
502	5.873	35.023	4.77	13.9	1.39	21.6	5.829	27.593	40.941	498
597	5.279	35.013	5.22	13.2	1.34	20.8	5.229	27.659	41.050	592
699	4.855	34.994	5.47	12.6	1.29	19.6	4.798	27.694	41.118	693
780	4.622	34.990	5.68	12.4	1.24	19.0	4.560	27.718	41.159	773
897	4.399	34.977	5.84	12.1	1.25	18.9	4.329	27.733	41.192	888
997	4.233		5.90							987
1051	4.176	34.973	5.99				4.094	27.755	41.232	1041

ENDEAVOR 83 STA- 13 LAT= 39 22.0N LON= 72 16.0W SONIC DEPTH= 238m
DATE 23/ 4/82

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	9.908	34.215	5.64	9.908	26.355	33.011	39.447	0.005	0.56	3
25	10.157	34.345	5.75	10.164	26.413	33.060	39.486	0.041	5.27	25
50	11.850	35.066	5.12	11.843	26.671	33.258	39.628	0.078	4.18	50
75	12.268	35.210	5.08	12.258	26.703	33.276	39.633	0.112	2.30	74
100	12.390	35.326	4.81	12.376	26.770	33.339	39.691	0.145	1.80	99
150	12.795	35.521	4.78	12.775	26.843	33.398	39.736	0.209	1.85	149
200	11.573	35.354	3.75	11.548	26.951	33.544	39.919	0.270	3.90	198
215	11.096	35.307	3.60	11.069	27.002	33.610	40.000	0.287	3.07	213

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
8	9.579	34.047	6.97	1.2	0.71	1.4	9.578	26.279	39.395	8
37	11.024	34.891	6.12	2.3	0.86	4.9	11.019	26.688	39.697	37
105	12.261	35.276	5.68	3.2	0.84	8.1	12.247	26.756	39.685	104
152	12.791	35.512		3.3	0.82	8.8	12.770	26.837	39.731	151
188	11.975	35.409	4.84	5.6	0.85	12.4	11.950	26.917	39.861	186
218	11.066	35.302	3.99	10.6	1.05	17.6	11.039	27.004	40.004	217

ENDEAVOR 83 STA- 14
DATE 23/ 4/82

LAT= 39 46.0N LON= 71 23.6W

SONIC DEPTH= 1125m

PR	T	S	OT	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deq C	o/oo	ml/l	Deq C	kg/m3	kg/m3	kg/m3	m	cph	m
3	10.758	34.521	6.79	10.758	26.447	33.073	39.480	0.005	2.33	3
25	10.618	34.604	6.52	10.615	26.536	33.166	39.576	0.039	3.74	25
50	10.988	34.844	6.01	10.982	26.658	33.274	39.671	0.075	4.12	50
75	11.745	35.113	5.69	11.735	26.728	33.318	39.690	0.109	2.87	74
100	12.258	35.328	5.45	12.255	26.795	33.367	39.722	0.141	2.40	99
150	12.637	35.516	5.13	12.617	26.870	33.430	39.773	0.203	2.23	149
200	12.368	35.599	4.18	12.341	26.989	33.555	39.906	0.262	2.84	198
250	10.660	35.379	3.45	10.630	27.138	33.759	40.161	0.315	3.41	248
300	9.158	35.217	3.50	9.135	27.267	33.938	40.387	0.361	2.93	297
350	7.917	35.117	3.81	7.877	27.385	34.099	40.589	0.401	2.59	347
400	7.090	35.075	4.12	7.052	27.471	34.214	40.732	0.436	2.51	397
450	6.228	35.042	4.56	6.187	27.562	34.336	40.884	0.468	1.90	446
500	5.698	35.024	4.91	5.655	27.615	34.409	40.976	0.496	1.79	496
600	5.014	35.005	5.38	4.965	27.684	34.503	41.095	0.546	1.21	595
700	4.745	34.990	5.60	4.689	27.704	34.534	41.136	0.593	0.76	693
800	4.628	34.987	5.68	4.564	27.715	34.550	41.156	0.639	0.84	792
900	4.413	34.982	5.85	4.342	27.736	34.579	41.194	0.685	0.83	891
1000	4.258	34.978	5.89	4.189	27.749	34.598	41.219	0.730	0.72	990
1133	4.094	34.976	6.03	4.005	27.767	34.624	41.250	0.789	0.77	1121

PR	T	S	OT	SIL	PHOS	NH3	θ	SIG-θ	SIG-3	DF
dbar	Deq C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deq C	kg/m3	kg/m3	m
12	10.756	34.545	6.63	1.8	0.83	2.8	10.754	26.466	39.498	12
53	10.792	34.762	5.91	2.5	0.93	6.6	10.786	26.629	39.656	52
102	12.598	35.386	5.61	2.8	0.87	7.3	12.584	26.776	39.683	101
153	12.498	35.456	5.13	4.2	0.89	10.1	12.477	26.851	39.763	152
203	12.436	35.600	4.12	7.5	1.05	15.3	12.408	26.976	39.890	201
253	10.620	35.368	3.34	12.8	1.40	23.9	10.590	27.137	40.162	251
302	9.172	35.211	3.36		1.29		9.139	27.261	40.381	299
400	7.297	35.079	4.05		1.24		7.258	27.445	40.692	397
501	5.801	35.019	4.81				5.757	27.599	40.952	496
599	5.029	35.000	5.35	12.9	1.38	20.7	4.980	27.678	41.088	594
701	4.765	34.982	5.58	12.7	1.27	19.9	4.709	27.695	41.125	695
798	4.658	34.981	5.66	12.5	1.28	19.1	4.594	27.707	41.146	790
898	4.432	34.972	5.87				4.361	27.725	41.182	889
998	4.270	34.978	5.93				4.191	27.749	41.218	988
1100	4.151	34.970	5.99	12.5	1.18	18.6	4.065	27.756	41.235	1089
1137	4.091	34.968	6.13	12.6	1.19	19.0	4.002	27.761	41.245	1125

ENDEAVOR R3 STA- 15
DATE 23/ 4/92

LAT= 39 36.8N LON= 71 22.5W

SONIC DEPTH= 1975m

PR	T	S	O2	A	SIG-0	SIG-1.5	SIG-3	HGTH	N	DE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cpd	m
3	10.393	34.373	6.90	10.392	26.395	33.035	39.454	0.005	2.36	3
25	10.519	34.457	7.00	10.516	26.439	33.073	39.488	0.040	3.74	25
50	10.895	34.741	6.38	10.889	26.594	33.214	39.615	0.078	2.92	50
75	11.074	34.851	6.11	11.065	26.656	33.259	39.663	0.114	3.29	74
100	11.573	35.045	5.83	11.560	26.708	33.304	39.681	0.148	2.84	99
150	12.427	35.421	5.26	12.407	26.838	33.404	39.754	0.212	2.49	149
200	12.519	35.555	4.58	12.492	26.925	33.488	39.834	0.273	2.35	198
250	11.785	35.519	3.82	11.752	27.040	33.626	39.993	0.329	2.85	248
300	10.360	35.336	3.36	10.324	27.159	33.790	40.201	0.381	2.98	297
350	9.009	35.199	3.49	8.970	27.279	33.955	40.410	0.426	2.66	347
400	8.002	35.123	3.74	7.961	27.376	34.087	40.575	0.467	2.65	397
450	7.055	35.073	4.17	7.012	27.475	34.220	40.739	0.503	2.54	446
500	6.321	35.044	4.52	6.275	27.552	34.323	40.868	0.535	1.98	496
600	5.518	35.020	5.04	5.467	27.636	34.437	41.010	0.591	1.50	595
700	5.024	35.006	5.41	4.967	27.684	34.504	41.095	0.642	1.24	693
800	4.650	34.993	5.68	4.586	27.717	34.551	41.157	0.689	0.93	792
900	4.448	34.983	5.84	4.376	27.732	34.575	41.188	0.735	0.76	891
1000	4.325	34.980	5.92	4.246	27.744	34.592	41.210	0.781	0.60	990
1200	4.152	34.977	5.99	4.057	27.762	34.617	41.242	0.872	0.64	1187
1400	3.974	34.973	6.04	3.863	27.779	34.642	41.274	0.962	0.58	1385
1600	3.846	34.972	6.01	3.718	27.793	34.661	41.298	1.052	0.49	1582
1800	3.709	34.972	6.01	3.565	27.808	34.682	41.326	1.143	0.59	1779
1947	3.611	34.970	5.97	3.454	27.818	34.697	41.344	1.209	0.52	1973

PR	T	S	O2	SIL	PHOS	NO3	A	SIG-0	SIG-3	DE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
3	10.221	34.260	6.97	2.0	0.82	1.4	10.221	26.337	39.408	3
102	11.632	35.089	5.51	2.0	0.80	1.5	11.619	26.731	39.700	101
203	12.354	35.506	4.82	5.9	1.00	11.8	12.326	26.920	39.839	202
307	10.628	35.362	3.37	12.9	1.42	22.9	10.591	27.132	40.157	304
403	8.233	35.138	3.63	15.7	1.53	24.5	8.190	27.354	40.537	400
505	6.305	35.039	4.56	14.5	1.48	22.7	6.259	27.550	40.867	501
606	5.486	35.023	5.06	13.2	1.36	20.3	5.435	27.642	41.018	601
705	5.009	35.002	5.43	12.9	1.35	20.2	4.951	27.683	41.095	698
801	4.652	34.989	5.69	12.7	1.17	19.1	4.588	27.714	41.153	793
902	4.400	34.976	5.85	12.3	1.17	18.0	4.329	27.732	41.191	894
1000	4.317	34.974	5.91	12.2	1.17	17.5	4.238	27.740	41.206	990
1200	4.149	34.976	5.99	12.2	1.03	17.1	4.054	27.762	41.241	1187
1399	3.974	34.973	6.12	12.5	1.07	17.3	3.863	27.779	41.274	1384
1596	3.836	34.972	6.12	13.3	1.07	17.2	3.709	27.794	41.300	1578
1713	3.757	34.969	6.13	13.6	0.96	17.1	3.630	27.800	41.312	1693
1948	3.606	34.969	6.14	15.1	0.98		3.449	27.818	41.344	1924

ENDEAVOR 83 STA- 16
DATE 23/ 4/92

LAT= 39 27.0N LON= 71 22.5W

SONIC DEPTH= 2400m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cpd	m
3	14.087	35.751	5.96	14.086	26.750	33.265	39.566	0.004	0.33	3
25	14.000	35.739	6.00	13.996	26.760	33.278	39.582	0.032	1.69	25
50	14.252	35.835	5.71	14.245	26.781	33.291	39.587	0.064	1.56	50
75	14.918	36.055	5.32	14.906	26.808	33.297	39.574	0.096	1.70	74
100	14.843	36.041	5.32	14.828	26.814	33.306	39.585	0.127	0.53	99
150	14.684	35.996	5.29	14.661	26.816	33.313	39.596	0.190	0.59	149
200	14.392	35.918	5.24	14.363	26.820	33.326	39.618	0.254	0.60	198
250	13.635	35.731	5.07	13.600	26.837	33.366	39.680	0.318	2.45	248
300	12.602	35.626	4.33	12.561	26.966	33.527	39.870	0.379	3.27	298
350	10.778	35.388	3.34	10.735	27.126	33.744	40.143	0.433	3.03	347
400	9.312	35.226	3.35	9.267	27.252	33.918	40.363	0.481	2.90	397
450	8.113	35.128	3.62	8.066	27.365	34.072	40.557	0.523	2.39	446
500	7.220	35.079	4.01	7.171	27.458	34.196	40.710	0.560	2.65	496
600	5.652	35.019	4.87	5.601	27.618	34.414	40.983	0.622	1.84	595
700	5.035	34.995	5.37	4.979	27.674	34.494	41.085	0.674	1.31	693
800	4.773	34.999	5.63	4.708	27.708	34.537	41.138	0.722	0.94	792
900	4.515	34.983	5.81	4.444	27.725	34.565	41.175	0.769	0.80	891
1000	4.366	34.976	5.92	4.287	27.736	34.582	41.199	0.815	0.67	990
1200	4.160	34.974	6.02	4.065	27.759	34.613	41.238	0.907	0.62	1187
1400	3.997	34.974	6.10	3.886	27.777	34.639	41.270	0.998	0.60	1385
1600	3.857	34.972	6.11	3.729	27.792	34.660	41.297	1.089	0.58	1582
1800	3.718	34.972	6.11	3.574	27.808	34.681	41.324	1.180	0.59	1779
2000	3.588	34.972	6.09	3.426	27.822	34.701	41.350	1.270	0.57	1975
2200	3.405	34.966	6.11	3.227	27.837	34.724	41.381	1.360	0.69	2172
2400	3.077	34.953	6.12	2.885	27.858	34.759	41.429	1.448	0.92	2368
2423	3.055	34.951	6.14	2.862	27.859	34.761	41.432	1.458	0.50	2391

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
14	13.373	35.536	6.07				13.372	26.733	39.593	14
101	14.561	35.970	5.32				14.546	26.821	39.608	101
197	14.235	35.886	5.46				14.206	26.829	39.636	196
297	13.060	35.708	4.03				13.019	26.938	39.815	295
403	9.594	35.264	3.29				9.548	27.235	40.328	400
499	7.240	35.082	3.99				7.191	27.457	40.708	494
700	5.098	34.999	5.29				5.040	27.670	41.076	694
998	4.475	34.973	5.73				4.404	27.721	41.175	889
1097	4.254	34.974	5.96				4.167	27.748	41.219	1086
1282	4.138	34.979	5.91				4.036	27.766	41.247	1268
1498	3.891	34.969	6.02				3.773	27.785	41.287	1481
1591	3.839	34.972	6.08				3.712	27.794	41.300	1573
1694	3.795	34.973	6.01				3.659	27.800	41.310	1674
1787	3.744	34.970	6.17				3.600	27.803	41.318	1765
1904	3.658	34.975	6.03				3.505	27.817	41.339	1881
1993	3.607	34.975	6.11				3.446	27.823	41.349	1969
2087	3.546	34.970	6.09				3.377	27.825	41.357	2060
2193	3.443	34.968	6.09				3.265	27.835	41.375	2165
2317	3.269	34.961	6.18				3.082	27.846	41.402	2286
2426	3.054	34.951	6.10				2.860	27.859	41.432	2394

ENDEAVOR R3 STA- 17 LAT= 39 19.4N LON= 71 23.3W SONIC DEPTH= 2554m
DATE 24/ 4/82

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cpH	m
3	15.758	36.288	5.57	15.757	26.796	33.260	39.513	0.004	-1.33	3
25	15.786	36.289	5.54	15.782	26.791	33.255	39.507	0.031	-0.39	25
50	15.784	36.287	5.49	15.776	26.791	33.255	39.507	0.063	0.42	50
75	15.809	36.294	5.41	15.797	26.791	33.255	39.507	0.094	-0.23	74
100	15.796	36.290	5.39	15.780	26.792	33.256	39.508	0.126	0.38	99
150	15.787	36.286	5.31	15.763	26.793	33.258	39.510	0.191	0.31	149
200	15.565	36.222	5.23	15.533	26.796	33.267	39.526	0.256	0.89	198
250	14.909	36.041	5.19	14.871	26.804	33.295	39.573	0.322	0.92	248
300	14.136	35.835	5.25	14.092	26.814	33.328	39.628	0.387	0.77	298
350	13.909	35.853	4.29	13.858	26.877	33.398	39.704	0.453	3.71	347
400	11.697	35.513	3.40	11.645	27.056	33.644	40.015	0.512	2.81	397
450	10.176	35.320	3.31	10.122	27.182	33.819	40.237	0.564	3.00	446
500	8.772	35.178	3.45	8.718	27.303	33.988	40.451	0.610	2.77	496
600	6.858	35.060	4.17	6.811	27.493	34.244	40.771	0.687	2.42	595
700	5.510	35.012	4.97	5.450	27.631	34.432	41.006	0.747	1.81	694
800	5.101	35.011	5.33	5.034	27.680	34.497	41.086	0.800	1.18	792
900	4.815	35.000	5.55	4.741	27.705	34.533	41.133	0.849	0.88	891
1000	4.549	34.984	5.73	4.468	27.723	34.562	41.171	0.898	0.79	990
1200	4.285	34.976	6.00	4.189	27.747	34.597	41.217	0.992	0.61	1187
1400	4.174	34.977	6.09	4.061	27.762	34.616	41.241	1.087	0.57	1385
1600	3.937	34.966	6.40	3.809	27.779	34.643	41.278	1.182	0.69	1582
1800	3.741	34.971	6.31	3.596	27.804	34.677	41.319	1.275	0.72	1779
2000	3.545	34.969	6.25	3.384	27.824	34.705	41.356	1.365	0.68	1975
2200	3.371	34.964	6.23	3.194	27.839	34.727	41.385	1.454	0.67	2172
2400	3.094	34.953	6.15	2.902	27.857	34.757	41.426	1.542	0.87	2368
2579	2.531	34.927	6.15	2.332	27.886	34.810	41.501	1.614	1.33	2544

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
15	15.303	36.146		1.9	0.23	4.4	15.300	26.790	39.534	15
104	15.622	36.157	5.37	2.3	0.30	5.3	15.606	26.729	39.457	103
208	15.130	36.100	5.22	1.9	0.28	5.5	15.098	26.799	39.555	207
302	14.255	35.878		2.4	0.31	5.8	14.220	26.820	39.626	299
399	11.981	35.525	3.43	7.9	1.02	16.3	11.928	27.011	39.954	396
502	8.794	35.158	3.50				8.739	27.292	40.438	498
602	6.559	35.054	4.44	13.8	1.44	22.3	6.503	27.530	40.829	597
699	5.496	35.016	5.10	13.3	1.36	20.3	5.436	27.636	41.013	692
798	5.011	35.003	5.41	12.7	1.29	20.2	4.945	27.684	41.097	790
902	4.733	34.993	5.59	12.3	1.26	19.2	4.660	27.709	41.143	894
999	4.469	34.974	5.77	12.2	1.24	19.2	4.389	27.724	41.179	989
1199	4.269	34.979	6.05	12.1	1.20	18.7	4.173	27.751	41.222	1187
1390	4.089	34.970	6.07				3.977	27.765	41.251	1375
1594	3.931	34.968	6.05	12.2	1.17		3.803	27.781	41.280	1576
1785	3.784	34.974	6.11	13.4	1.18	18.1	3.641	27.803	41.314	1764
1994	3.571	34.969	6.12	14.0	1.14		3.411	27.821	41.351	1969
2188	3.381	34.965	6.14	16.2	1.20	18.1	3.205	27.838	41.383	2160
2401	3.091	34.953	6.17	17.8	1.20	18.0	2.899	27.857	41.427	2369
2465	2.987	34.950	6.20				2.791	27.864	41.443	2431
2581	2.532	34.927	6.22	21.9	1.20	17.8	2.333	27.886	41.501	2545

ENDEAVOR 83 STA- 18
DATE 24/ 4/82

LAT= 39 7.1N LON= 71 0.2W

SONIC DEPTH= 2700m

PR dbar	T Deg C	S o/oo	O2 ml/l	A Deg C	SIG-0 kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DF m
7	15.795	36.298	5.59	15.794	26.795	33.258	39.510	0.009	-0.69	7
25	15.805	36.296	5.49	15.801	26.792	33.255	39.507	0.031	0.15	25
50	15.811	36.298	5.46	15.803	26.792	33.256	39.507	0.063	-0.44	50
75	15.810	36.295	5.42	15.798	26.791	33.255	39.507	0.094	0.12	74
100	15.767	36.282	5.39	15.751	26.792	33.257	39.510	0.126	0.35	99
150	15.754	36.278	5.36	15.731	26.794	33.259	39.513	0.191	0.25	149
200	15.749	36.274	5.31	15.717	26.794	33.260	39.514	0.256	-0.08	198
250	15.622	36.236	5.20	15.582	26.796	33.266	39.523	0.322	0.60	248
300	15.542	36.213	5.19	15.495	26.798	33.270	39.530	0.389	0.44	298
350	14.962	36.068	5.01	14.908	26.817	33.306	39.583	0.456	1.90	347
400	13.022	35.720	3.81	12.966	26.958	33.506	39.837	0.520	3.28	397
450	11.739	35.532	3.65	11.680	27.064	33.651	40.021	0.578	2.60	446
500	10.186	35.324	3.44	10.126	27.184	33.821	40.239	0.631	3.01	496
600	7.675	35.107	3.91	7.614	27.416	34.139	40.638	0.719	2.60	595
700	6.028	35.031	4.73	5.965	27.582	34.364	40.920	0.787	2.16	694
800	5.277	35.012	5.22	5.209	27.660	34.471	41.053	0.843	1.43	792
900	4.972	35.018	5.47	4.897	27.701	34.524	41.117	0.894	1.07	891
1000	4.697	35.010	5.66	4.615	27.727	34.560	41.164	0.942	0.87	990
1200	4.271	34.981	5.92	4.175	27.753	34.603	41.224	1.036	0.69	1187
1400	4.076	34.975	6.02	3.964	27.770	34.628	41.257	1.129	0.60	1385
1600	3.970	34.977	6.06	3.841	27.785	34.648	41.281	1.222	0.55	1582
1800	3.810	34.975	6.09	3.664	27.801	34.671	41.311	1.315	0.58	1779
2000	3.690	34.976	6.10	3.518	27.816	34.692	41.337	1.407	0.61	1975
2200	3.521	34.972	6.11	3.341	27.831	34.714	41.366	1.499	0.64	2172
2400	3.325	34.964	6.15	3.129	27.844	34.736	41.396	1.590	0.68	2368
2600	3.055	34.952	6.21	2.844	27.861	34.764	41.435	1.679	1.14	2564
2733	2.348	34.918	6.26	2.138	27.895	34.827	41.526	1.730	0.65	2695

ENDEAVOR 83 STA- 19
DATE 24/ 4/82

LAT= 38 58.0N LON= 71 24.0W

SONIC DEPTH= 2630m

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	cdh	m
3	15.725	36.278	5.35	15.725	26.795	33.261	39.515	0.004	-0.63	3
25	15.738	36.280	5.32	15.734	26.795	33.260	39.513	0.031	0.40	25
50	15.741	36.280	5.30	15.733	26.795	33.261	39.514	0.063	0.51	50
75	15.750	36.283	5.31	15.738	26.796	33.261	39.515	0.094	0.21	74
100	15.754	36.283	5.29	15.739	26.796	33.261	39.515	0.126	-0.18	90
150	15.753	36.280	5.28	15.730	26.796	33.262	39.515	0.190	0.25	149
200	15.744	36.276	5.27	15.713	26.797	33.263	39.517	0.255	0.18	198
250	15.753	36.275	5.28	15.713	26.796	33.262	39.516	0.321	-0.24	248
300	15.747	36.272	5.26	15.700	26.796	33.263	39.517	0.388	0.11	298
350	15.758	36.273	5.25	15.703	26.797	33.263	39.517	0.456	-0.29	347
400	15.574	36.218	5.21	15.511	26.798	33.270	39.529	0.524	0.86	397
450	14.462	35.961	4.63	14.395	26.846	33.351	39.642	0.593	3.61	446
500	11.929	35.559	3.66	11.862	27.050	33.632	39.996	0.654	2.86	496
600	9.435	35.249	3.49	9.366	27.254	33.917	40.358	0.757	2.98	595
700	6.817	35.068	4.29	6.750	27.507	34.261	40.790	0.837	2.59	694
800	5.641	35.025	4.98	5.571	27.627	34.423	40.993	0.898	1.52	792
900	5.072	35.017	5.39	4.997	27.689	34.507	41.098	0.952	1.39	891
1000	4.728	35.004	5.63	4.646	27.719	34.551	41.154	1.002	0.89	990
1200	4.345	34.986	5.88	4.248	27.749	34.596	41.214	1.097	0.78	1187
1400	4.105	34.978	6.02	3.993	27.769	34.626	41.254	1.191	0.61	1385
1600	3.945	34.976	6.08	3.816	27.786	34.650	41.284	1.284	0.63	1582
1800	3.794	34.974	6.09	3.648	27.802	34.672	41.312	1.376	0.59	1779
2000	3.647	34.974	6.10	3.485	27.818	34.695	41.342	1.468	0.61	1975
2200	3.470	34.969	6.12	3.291	27.833	34.718	41.372	1.559	0.59	2172
2400	3.278	34.960	6.14	3.082	27.846	34.739	41.401	1.649	0.76	2368
2600	2.672	34.932	6.23	2.468	27.879	34.797	41.483	1.735	1.28	2564
2663	2.490	34.922	6.22	2.284	27.886	34.812	41.506	1.759	1.30	2626
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
2289	3.390	34.967	6.13				3.204	27.840	41.385	2260
2391	3.292	34.963	6.44				3.097	27.847	41.401	2360
2468	3.167	34.956	6.15				2.967	27.853	41.418	2435
2667	2.486	34.924	6.24				2.279	27.888	41.508	2630

ENDEAVOR 83 STA- 20
DATE 24/ 4/82

LAT= 38 48.2N LON= 71 24.0W

SONIC DEPTH= 2740m

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	cpk	m
3	15.903	36.223	5.01	15.902	26.712	33.174	39.424	0.004	3.80	3
25	15.876	36.306	5.25	15.872	26.783	33.245	39.494	0.032	1.20	25
50	15.849	36.306	5.25	15.842	26.790	33.252	39.503	0.063	0.50	50
75	15.851	36.306	5.24	15.839	26.791	33.253	39.504	0.095	0.30	74
100	15.848	36.305	5.22	15.832	26.791	33.254	39.505	0.127	0.22	99
150	15.852	36.304	5.22	15.828	26.792	33.255	39.505	0.191	0.15	149
200	15.853	36.304	5.22	15.826	26.792	33.255	39.506	0.257	0.10	198
250	15.852	36.301	5.22	15.812	26.793	33.256	39.507	0.323	0.20	248
300	15.837	36.294	5.27	15.789	26.793	33.257	39.509	0.390	0.12	298
350	15.794	36.280	5.27	15.739	26.794	33.259	39.512	0.458	0.25	347
400	15.510	36.201	5.22	15.447	26.799	33.273	39.534	0.526	2.27	397
450	12.966	35.706	3.71	12.903	26.960	33.509	39.843	0.592	3.30	446
500	11.303	35.468	3.55	11.239	27.096	33.698	40.081	0.649	3.27	496
600	8.152	35.133	3.74	8.089	27.366	34.072	40.555	0.744	2.86	595
700	6.407	35.049	4.54	6.342	27.547	34.315	40.858	0.816	2.29	694
800	5.502	35.015	5.08	5.433	27.636	34.438	41.012	0.875	1.46	792
900	4.931	34.999	5.52	4.857	27.692	34.515	41.111	0.929	1.45	891
1000	4.589	34.990	5.77	4.508	27.723	34.561	41.169	0.977	0.92	990
1200	4.315	34.986	5.93	4.218	27.752	34.600	41.219	1.072	0.70	1188
1400	4.083	34.979	6.04	3.971	27.773	34.631	41.259	1.164	0.60	1385
1600	3.935	34.976	6.11	3.806	27.787	34.652	41.286	1.257	0.60	1582
1800	3.793	34.976	6.12	3.647	27.804	34.674	41.314	1.349	0.58	1779
2000	3.645	34.975	6.11	3.483	27.819	34.696	41.343	1.441	0.65	1975
2200	3.481	34.972	6.12	3.302	27.835	34.719	41.372	1.532	0.62	2172
2400	3.333	34.966	6.13	3.137	27.846	34.737	41.396	1.622	0.61	2368
2600	3.011	34.950	6.19	2.801	27.864	34.768	41.441	1.709	1.06	2564
2771	2.459	34.922	6.21	2.242	27.889	34.817	41.512	1.777	0.72	2732

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
11	15.941	36.307	5.24	2.4	0.29	5.2	15.939	26.768	39.476	11
102	15.851	36.308	5.21	2.4	0.29	6.1	15.835	26.793	39.506	101
201	15.843	36.297	5.27	2.4	0.25	5.3	15.811	26.790	39.505	200
300	15.842	36.298	5.25	2.5	0.22	5.4	15.794	26.795	39.510	298
400	15.519	36.212	5.16	2.8	0.25	6.8	15.456	26.805	39.540	397
502	11.490	35.489	3.53	10.4	0.87	19.3	11.425	27.079	40.051	498
601	8.491	35.159	3.55	14.9	1.24	24.0	8.427	27.334	40.501	595
698	6.645	35.055	4.44	14.7	1.36	22.6	6.579	27.520	40.814	691
800	5.642	35.022	4.96	13.1	1.27	20.2	5.572	27.624	40.991	792
902	5.112	35.003	5.35	12.8	1.22	19.4	5.036	27.674	41.080	893
1003	4.685	34.991	5.66	12.0	1.02	18.6	4.603	27.714	41.152	993
1101	4.391	34.983	5.89	12.0	1.05	18.8	4.303	27.741	41.201	1090
1202	4.299	34.980	6.01	11.8	0.93	17.9	4.203	27.749	41.217	1190
1402	4.091	34.979	5.99	12.1	0.99	17.9	3.979	27.772	41.257	1387
1592	3.942	34.974	6.09	12.5	1.11	17.5	3.814	27.785	41.283	1573
1797	3.766	34.978	6.05	13.4	1.08	17.8	3.621	27.808	41.321	1775
1996	3.644	34.973	6.07	14.5	1.11	17.7	3.482	27.818	41.341	1971
2189	3.494	34.971	6.09				3.316	27.832	41.369	2161
2615	3.006	34.945	6.24	17.8	1.25	18.3	2.795	27.860	41.438	2579
2774	2.459	34.924	6.24	21.9	1.32	18.1	2.242	27.891	41.514	2735

ENDEAVOR R3 STA- 21
DATE 25/ 4/82

LAT= 38 37.8N LON= 71 25.4W

SONIC DEPTH= 2780m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
1	15.693	36.258	6.18	15.693	26.787	33.254	39.509	0.001	-0.92	1
25	15.468	36.188	5.54	15.464	26.785	33.259	39.520	0.031	0.83	25
50	15.093	36.088	5.56	15.085	26.793	33.277	39.549	0.063	0.81	50
75	15.030	36.071	5.47	15.018	26.795	33.281	39.555	0.095	0.57	74
100	15.062	36.081	5.47	15.047	26.796	33.282	39.555	0.126	0.47	99
150	15.039	36.077	5.27	15.016	26.800	33.287	39.560	0.190	0.56	149
200	14.676	35.975	5.29	14.646	26.803	33.300	39.585	0.255	0.35	198
250	14.586	35.948	5.29	14.549	26.803	33.304	39.591	0.320	0.41	248
300	14.670	35.985	5.22	14.625	26.815	33.313	39.598	0.386	0.87	298
350	14.228	35.902	4.80	14.177	26.847	33.359	39.656	0.453	2.63	347
400	12.439	35.612	3.59	12.385	26.990	33.556	39.905	0.515	3.41	397
450	10.789	35.400	3.44	10.734	27.136	33.753	40.152	0.569	2.74	446
500	9.610	35.258	3.40	9.552	27.230	33.886	40.322	0.619	2.86	496
600	7.160	35.077	4.13	7.102	27.466	34.207	40.724	0.702	2.68	595
700	5.784	35.024	4.85	5.722	27.607	34.398	40.963	0.765	1.94	694
800	5.257	35.021	5.23	5.189	27.670	34.481	41.065	0.819	1.33	792
900	4.751	34.998	5.62	4.678	27.711	34.542	41.144	0.869	1.10	891
1000	4.449	34.975	5.77	4.369	27.727	34.570	41.183	0.917	0.78	990
1200	4.211	34.979	5.94	4.115	27.757	34.610	41.233	1.010	0.71	1188
1400	4.035	34.977	6.01	3.924	27.776	34.636	41.266	1.101	0.61	1385
1600	3.868	34.975	6.08	3.740	27.793	34.660	41.297	1.192	0.65	1582
1800	3.729	34.975	6.06	3.584	27.809	34.682	41.325	1.283	0.59	1779
2000	3.600	34.973	6.08	3.438	27.822	34.701	41.349	1.373	0.56	1975
2200	3.440	34.970	6.11	3.261	27.836	34.722	41.377	1.463	0.63	2172
2400	3.256	34.962	6.12	3.061	27.849	34.743	41.406	1.553	0.62	2368
2600	3.080	34.952	6.17	2.868	27.859	34.761	41.431	1.641	0.63	2565
2800	2.350	34.915	6.21	2.133	27.893	34.825	41.525	1.725	1.69	2761
2817	2.352	34.915	6.22	2.134	27.893	34.825	41.524	1.731	-0.19	2777

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
26	15.293	36.145	5.34	2.4	0.27	5.8	15.289	26.792	39.536	26
105	15.049	36.089	5.36	4.0	0.44	6.1	15.033	26.806	39.565	104
203	14.605	35.964	5.28	2.5	0.34	6.8	14.575	26.810	39.595	201
297	14.792	36.027	5.25	3.1	0.40	8.2	14.747	26.821	39.596	294
399	12.362	35.615	3.60	8.6	1.00	18.0	12.308	27.008	39.926	396
499	9.337	35.228	3.43	14.9	1.27	23.8	9.280	27.251	40.362	494
598	7.116	35.077	4.11	14.8	1.39	22.9	7.058	27.472	40.732	593
700	5.725	35.024	4.88	13.6	1.26	20.7	5.664	27.614	40.974	693
799	5.132	35.024	5.33	12.2	1.16		5.065	27.687	41.090	791
900	4.725	35.003	5.60				4.652	27.718	41.152	892
1097	4.350	34.984	5.89				4.262	27.746	41.210	1085
1292	4.117	34.981	6.01	12.2		17.5	4.014	27.770	41.252	1278
1446	3.972	34.975	6.07				3.857	27.781	41.276	1430
1594	3.876	34.975	6.07	13.2		17.9	3.749	27.792	41.296	1576
1800	3.723	34.977	6.05	14.1		17.9	3.578	27.811	41.327	1779
1992	3.606	34.973	6.09	14.9		18.4	3.445	27.821	41.348	1968
2192	3.478	34.971	6.14				3.300	27.834	41.372	2164
2395	3.252	34.962	6.13				3.058	27.850	41.407	2363
2820	2.352	34.921	6.23				2.133	27.898	41.529	2780

ENDEAVOR 93 STA- 22 LAT= 38 28.9N LON= 71 24.0W SONIC DEPTH= 2939m
DATE 25/ 4/83

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	cpk	m
3	13.042	35.364	6.22	13.041	26.667	33.216	39.549	0.004	1.55	3
25	12.777	35.338	6.09	12.774	26.701	33.258	39.598	0.034	2.12	25
50	13.041	35.437	5.88	13.034	26.725	33.273	39.606	0.067	2.31	50
75	13.872	35.702	5.84	13.861	26.760	33.282	39.589	0.100	2.02	74
100	14.248	35.841	5.47	14.234	26.789	33.299	39.595	0.132	1.68	99
150	14.955	36.066	5.27	14.942	26.808	33.297	39.572	0.196	0.49	149
200	14.871	36.043	5.24	14.841	26.813	33.304	39.583	0.260	0.77	198
250	14.656	35.991	5.24	14.619	26.821	33.320	39.604	0.325	1.43	248
300	12.958	35.666	4.40	12.916	26.926	33.476	39.809	0.388	3.07	298
350	11.431	35.475	3.45	11.386	27.075	33.672	40.050	0.445	3.15	347
400	9.495	35.241	3.37	9.449	27.234	33.894	40.333	0.495	2.98	397
450	8.590	35.152	3.54	8.452	27.324	34.018	40.490	0.539	2.46	446
500	7.599	35.101	3.87	7.548	27.420	34.146	40.647	0.578	2.47	496
600	5.893	35.029	4.72	5.840	27.596	34.383	40.944	0.643	2.06	595
700	5.199	35.007	5.22	5.141	27.665	34.478	41.063	0.697	1.40	694
800	4.854	35.007	5.49	4.799	27.704	34.530	41.128	0.746	1.01	792
900	4.532	34.984	5.72	4.460	27.724	34.553	41.173	0.793	0.78	891
1000	4.402	34.983	5.85	4.322	27.739	34.583	41.198	0.840	0.79	990
1200	4.156	34.977	5.95	4.071	27.761	34.615	41.239	0.931	0.57	1188
1400	4.042	34.980	6.00	3.930	27.777	34.637	41.267	1.022	0.60	1385
1600	3.872	34.974	6.10	3.744	27.792	34.659	41.296	1.113	0.60	1582
1800	3.740	34.975	6.08	3.595	27.808	34.680	41.323	1.204	0.62	1779
2000	3.603	34.974	6.11	3.442	27.823	34.701	41.349	1.294	0.60	1976
2200	3.422	34.968	6.12	3.244	27.837	34.723	41.379	1.384	0.64	2172
2400	3.220	34.960	6.15	3.026	27.851	34.747	41.411	1.473	0.66	2368
2600	3.034	34.951	6.16	2.824	27.862	34.766	41.438	1.560	0.62	2565
2800	2.787	34.940	6.24	2.562	27.876	34.791	41.473	1.645	0.85	2761
2877	2.303	34.914	6.21	2.080	27.896	34.831	41.532	1.675	1.85	2836

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	12.745	35.245	6.29	1.9	0.30	2.6	12.744	26.635	39.536	3
103	14.916	36.030	5.35	2.6	0.31	6.3	14.901	26.789	39.556	102
203	14.605	35.961	5.29	2.8	0.34	7.1	14.574	26.807	39.593	201
303	12.962	35.650	4.60	5.7	0.52	13.0	12.920	26.913	39.796	301
397	10.166	35.313	3.32	13.4	1.30	24.0	10.119	27.176	40.232	393
498	7.841	35.113	3.76	15.5	1.44		7.790	27.394	40.604	493
596	6.059	35.038	4.68	14.1	1.29		6.006	27.582	40.917	591
693	5.331	35.014	5.32	13.2	1.23	20.8	5.272	27.654	41.043	687
800	4.900	35.006	5.49	12.7	1.14	20.1	4.834	27.699	41.120	792
898	4.558	34.989	5.71	12.3	1.10	19.5	4.486	27.725	41.172	889
999	4.399	34.983	5.86	12.1	1.07	19.2	4.320	27.739	41.198	989
1183	4.184	34.979	5.80	12.1	1.02	19.1	4.090	27.760	41.237	1170
1395	4.051	34.983	6.03	12.6	1.06	19.0	3.940	27.779	41.267	1379
1597	3.859	34.974	6.10	12.9	1.13	19.2	3.742	27.792	41.296	1578
1795	3.725	34.974	6.10	14.0	1.02	19.2	3.581	27.809	41.325	1774
1994	3.597	34.974	6.07	15.0	1.04	19.1	3.436	27.823	41.350	1970
2241	3.360	34.964	6.15	16.7	1.05	19.1	3.179	27.840	41.387	2212
2495	3.102	34.954	6.12	18.4	1.05	18.7	2.901	27.858	41.427	2461
2744	2.879	34.944	6.18	19.0	1.00	18.0	2.657	27.872	41.461	2705
2879	2.304	34.910	6.23	26.2	1.00	18.4	2.080	27.893	41.529	2838

ENDEAVOR 93 STA- 23
DATE 25/ 4/93

LAT= 38 18.7N LON= 71 24.2W

SONIC DEPTH= 2913m

PR	T	S	O2	Θ	SIG-Θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	coh	m
3	10.035	34.039	7.87	10.034	26.196	32.850	39.284	0.005	1.39	3
25	10.528	34.282	7.63	10.525	26.301	32.937	39.353	0.045	4.13	25
50	10.470	34.538	6.65	10.464	26.512	33.147	39.562	0.086	7.38	50
75	11.676	35.074	6.05	11.687	26.706	33.298	39.672	0.121	2.69	74
100	12.053	35.223	5.96	12.040	26.755	33.335	39.697	0.154	2.18	99
150	12.806	35.496	5.63	12.786	26.821	33.376	39.714	0.219	1.94	149
200	12.408	35.523	4.63	12.381	26.922	33.489	39.838	0.280	2.93	198
250	11.478	35.456	3.72	11.446	27.049	33.644	40.021	0.337	2.91	248
300	10.045	35.298	3.39	10.010	27.183	33.825	40.246	0.387	2.80	298
350	8.904	35.181	3.49	8.866	27.282	33.952	40.420	0.432	2.60	347
400	8.035	35.115	3.73	7.993	27.366	34.076	40.562	0.473	2.45	397
450	7.252	35.085	4.07	7.218	27.455	34.192	40.705	0.510	2.51	446
500	6.580	35.059	4.39	6.533	27.530	34.291	40.827	0.543	2.10	496
600	5.510	35.018	5.06	5.459	27.635	34.436	41.010	0.600	1.56	595
700	5.048	35.009	5.36	4.990	27.684	34.502	41.093	0.650	1.19	694
800	4.732	35.003	5.61	4.668	27.716	34.547	41.149	0.698	1.03	792
900	4.434	34.984	5.83	4.363	27.735	34.578	41.191	0.744	0.77	891
1000	4.366	34.987	5.86	4.286	27.745	34.591	41.207	0.789	0.73	990
1200	4.098	34.977	6.01	4.003	27.767	34.624	41.251	0.879	0.60	1188
1400	3.964	34.974	6.04	3.853	27.781	34.644	41.276	0.969	0.56	1385
1600	3.827	34.973	6.06	3.700	27.796	34.655	41.303	1.059	0.56	1582
1800	3.679	34.972	6.12	3.535	27.812	34.687	41.331	1.149	0.61	1779
2000	3.512	34.967	6.13	3.352	27.825	34.708	41.359	1.238	0.54	1976
2200	3.374	34.964	6.13	3.196	27.838	34.726	41.384	1.327	0.61	2172
2400	3.229	34.958	6.11	3.035	27.849	34.744	41.408	1.415	0.59	2368
2600	3.035	34.948	6.16	2.825	27.860	34.764	41.436	1.503	0.62	2565
2800	2.849	34.939	6.23	2.622	27.871	34.783	41.463	1.589	0.69	2761
2951	2.366	34.913	6.18	2.134	27.891	34.824	41.523	1.651	1.61	2908

PR	T	S	O2	SIL	PHOS	NO3	Θ	SIG-Θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
9	9.562	33.826	7.23	1.3	0.31		9.561	26.109	39.231	9
103	11.290	34.985	5.74	2.5	0.44	6.7	11.277	26.714	39.706	102
201	12.046	35.459	4.47	6.8	0.75	13.2	12.019	26.943	39.881	199
301	10.180	35.325	3.41	12.6	1.25	21.9	10.144	27.181	40.235	298
399	8.088	35.122	3.67	15.5	1.48	24.1	8.047	27.363	40.556	396
497	6.442	35.054	4.46	14.5	1.25	22.1	6.396	27.544	40.851	492
599	5.611	35.015	4.97	13.5	1.31	20.8	5.560	27.620	40.988	593
697	5.097	35.012	5.39	13.0	1.27	19.9	5.039	27.680	41.086	691
796	4.772	35.005	5.54	12.7	1.21	19.1	4.708	27.713	41.143	788
995	4.365	34.990	5.76	12.3	1.19	18.6	4.286	27.748	41.210	986
1197	4.122	34.978	5.99	12.2	1.14	18.2	4.028	27.766	41.248	1184
1395	3.964	34.963	6.14	12.4	1.14	18.0	3.853	27.772	41.268	1380
1596	3.874	34.977	6.08	13.8	1.19	18.0	3.747	27.794	41.297	1577
1794	3.693	34.976	6.13	14.2	1.19	18.3	3.550	27.813	41.332	1772
1991	3.544	34.969	6.13	15.1	1.17	18.1	3.384	27.824	41.355	1967
2193	3.382	34.964	6.14	16.4	1.15	18.2	3.205	27.837	41.383	2165
2395	3.222	34.958	6.15	17.7	1.20	18.4	3.029	27.849	41.408	2364
2593	3.046	34.951	6.14	18.6	1.19	18.2	2.835	27.861	41.436	2558
2739	2.924	34.944	6.20	18.8	1.13	17.6	2.702	27.868	41.453	2700
2955	2.341	34.915	6.20	25.3	1.20	18.0	2.109	27.895	41.529	2912

FNDEAVOR 83 STA- 24
DATE 25/ 4/82

LAT= 38 9.6N LON= 71 23.9W

SONIC DEPTH= 3009m

PR	T	S	O2	A	SIG-0	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cdh	m
1	8.661	33.514	5.84	8.661	26.008	32.713	39.195	0.002	4.68	1
25	8.740	33.715	7.01	8.738	26.153	32.854	39.331	0.048	6.25	25
50	11.322	34.866	5.95	11.316	26.614	33.219	39.606	0.089	5.80	50
75	11.794	35.123	5.55	11.784	26.726	33.315	39.685	0.123	3.01	74
100	12.042	35.223	5.53	12.029	26.758	33.338	39.700	0.156	2.15	99
150	12.506	35.463	4.88	12.486	26.855	33.419	39.766	0.220	2.99	149
200	12.145	35.543	3.88	12.118	26.989	33.563	39.920	0.278	2.99	198
250	10.886	35.401	3.36	10.855	27.115	33.728	40.123	0.331	2.91	248
300	9.306	35.219	3.30	9.273	27.246	33.912	40.357	0.378	2.63	298
350	8.224	35.137	3.55	8.187	27.354	34.057	40.537	0.420	2.86	347
400	7.076	35.079	4.10	7.038	27.476	34.219	40.738	0.456	2.46	397
450	6.340	35.054	4.52	6.299	27.556	34.326	40.870	0.487	1.95	446
500	5.753	35.022	4.83	5.710	27.607	34.399	40.964	0.516	1.62	496
600	5.178	35.002	5.19	5.128	27.662	34.476	41.061	0.568	1.40	595
700	4.792	34.996	5.51	4.736	27.703	34.531	41.131	0.617	1.05	694
800	4.563	34.991	5.65	4.499	27.725	34.563	41.171	0.663	0.97	792
900	4.415	34.993	5.79	4.344	27.744	34.587	41.201	0.708	0.69	891
1000	4.304	34.988	5.82	4.225	27.753	34.601	41.219	0.752	0.63	990
1200	4.077	34.979	5.99	3.982	27.771	34.629	41.257	0.841	0.62	1188
1400	3.911	34.977	6.05	3.801	27.789	34.653	41.288	0.929	0.58	1385
1600	3.757	34.974	6.10	3.640	27.802	34.673	41.314	1.017	0.55	1582
1800	3.644	34.974	6.12	3.501	27.816	34.693	41.339	1.106	0.55	1779
2000	3.498	34.972	6.11	3.337	27.831	34.714	41.366	1.194	0.61	1976
2200	3.346	34.967	6.12	3.169	27.843	34.732	41.391	1.282	0.55	2172
2400	3.163	34.957	6.16	2.969	27.854	34.752	41.418	1.369	0.64	2368
2600	2.959	34.948	6.21	2.749	27.867	34.774	41.448	1.455	0.73	2565
2800	2.695	34.934	6.28	2.471	27.880	34.798	41.484	1.537	0.76	2761
3000	2.350	34.916	6.30	2.123	27.894	34.827	41.527	1.616	0.71	2956
3053	2.299	34.912	6.23	2.059	27.897	34.832	41.534	1.636	0.70	3008

PR	T	S	O2	SIL	PHOS	N03	0	SIG-0	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/ka	umol/kg	umol/kg	Deg C	kg/m3	ka/m3	m
17	8.184	33.544	7.34	2.4	0.46		8.182	26.104	39.322	16
105	12.016	35.198	5.72	2.8	0.52	6.5	12.003	26.743	39.688	104
231	12.156	35.543	3.98	8.0	0.98	15.7	12.135	26.986	39.916	229
303	9.476	35.240	3.30	14.6	1.57	24.5	9.441	27.234	40.334	300
400	7.303	35.094	3.94	15.2	1.57	23.9	7.254	27.456	40.702	397
502	5.822	35.028	4.76	13.8	1.48	21.4	5.779	27.603	40.955	498
603	5.141	35.002	5.26	12.9	1.08	20.3	5.092	27.666	41.068	598
699	4.809	34.990	5.65	12.6	1.22	20.0	4.753	27.696	41.123	692
798	4.598	34.991	5.61	12.2	1.20	19.6	4.534	27.721	41.165	790
897	4.400	34.985		12.6	1.21	19.5	4.329	27.739	41.198	888
981	4.303	34.988	5.90	12.2	1.18	18.5	4.226	27.753	41.219	972
1198	4.074	34.969	6.09		1.02		3.980	27.764	41.249	1185
1395	3.896	34.974	6.09		1.42	17.4	3.786	27.788	41.288	1380
1592	3.764	34.973	6.00	13.8	1.12	17.7	3.639	27.802	41.314	1574
1796	3.658	34.972	6.13	14.4	1.14	18.2	3.514	27.814	41.335	1775
1991	3.509	34.971	6.12	15.5	1.14	18.1	3.349	27.829	41.363	1966
2236	3.302	34.967	6.09	16.9	1.14	18.3	3.123	27.847	41.399	2207
2489	3.076	34.954	6.16	18.3	1.15	18.0	2.876	27.860	41.431	2455
2743	2.754	34.941	6.23	20.3	1.18	17.7	2.545	27.879	41.477	2705
3056	2.292	34.914	6.22	25.3	1.16	18.0	2.051	27.899	41.537	3011

ENDEAVOR 83 STA- 25
DATE 25/ 4/82

LAT= 38 28.7N LON= 72 29.2W

SONIC DEPTH= 2744m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deq C	o/oo	ml/l	Deq C	kg/m3	kg/m3	kg/m3	m	coh	m
1	14.752	35.353	6.41	14.752	26.299	32.800	39.087	0.002	4.37	1
25	12.876	35.127	5.87	12.873	26.517	33.073	39.413	0.041	6.36	25
50	11.544	35.015	5.68	11.538	26.689	33.286	39.665	0.076	2.42	50
75	11.648	35.091	5.52	11.638	26.729	33.322	39.697	0.109	2.50	74
100	12.972	35.513	5.45	12.958	26.799	33.349	39.683	0.142	1.72	99
150	12.937	35.583	5.03	12.916	26.862	33.412	39.747	0.204	2.74	149
200	12.141	35.552	3.78	12.114	26.996	33.570	39.927	0.263	3.06	198
250	10.589	35.359	3.35	10.559	27.135	33.758	40.163	0.315	3.02	248
300	9.424	35.230	3.40	9.390	27.235	33.897	40.338	0.362	2.78	298
350	8.220	35.119	3.67	8.184	27.340	34.043	40.524	0.403	2.32	347
400	7.519	35.092	3.92	7.479	27.423	34.151	40.655	0.441	2.77	397
450	6.605	35.057	4.36	6.564	27.524	34.284	40.819	0.475	2.26	446
500	6.108	35.038	4.64	6.064	27.574	34.353	40.905	0.505	1.93	496
600	5.153	35.002	5.29	5.113	27.664	34.478	41.064	0.558	1.48	595
700	4.883	35.012	5.52	4.826	27.705	34.530	41.126	0.606	1.01	694
800	4.645	35.004	5.70	4.581	27.727	34.551	41.166	0.652	0.81	792
900	4.419	34.993	5.85	4.348	27.744	34.587	41.201	0.697	0.80	891
1000	4.191	34.974	5.98	4.113	27.753	34.606	41.229	0.741	0.56	990
1200	4.061	34.971	6.07	3.967	27.767	34.625	41.254	0.830	0.50	1188
1400	3.949	34.968	6.13	3.839	27.778	34.641	41.274	0.920	0.51	1385
1600	3.839	34.970	6.15	3.711	27.792	34.660	41.298	1.011	0.60	1582
1800	3.728	34.972	6.15	3.583	27.807	34.680	41.323	1.102	0.58	1779
2000	3.583	34.971	6.12	3.421	27.822	34.702	41.350	1.192	0.64	1976
2200	3.783	34.967	6.14	3.206	27.839	34.728	41.385	1.282	0.62	2172
2400	3.195	34.958	6.14	3.001	27.851	34.748	41.413	1.370	0.61	2368
2600	3.012	34.949	6.18	2.802	27.863	34.757	41.440	1.457	0.66	2565
2753	2.726	34.934	6.24	2.506	27.877	34.794	41.478	1.522	0.96	2715

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deq C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deq C	kg/m3	kg/m3	m
9	11.990	34.637	6.88	1.1	0.25		11.989	26.310	39.267	9
98	13.047	35.516	5.47	2.8	0.48	6.8	13.034	26.787	39.666	98
200	12.834	35.641	4.49	5.0	0.80	12.6	12.807	26.929	39.819	199
300	9.610	35.222	3.11		1.63	24.9	9.575	27.198	40.290	297
404	7.793	35.094	3.78	15.3	1.54	24.1	7.662	27.398	40.617	400
500	6.221	35.045	4.57	14.4	1.50	22.6	6.177	27.566	40.889	496
600	5.239	35.012	5.17	13.2	1.40	20.5	5.189	27.663	41.057	595
699	4.983	35.016	5.33	12.9	1.34	19.9	4.925	27.697	41.111	693
798	4.649	34.996	5.50	12.5	1.30	19.3	4.585	27.720	41.159	791
897	4.440	34.990	5.76	12.3	1.28	19.0	4.369	27.739	41.195	889
996	4.200	34.968	5.87	12.2	1.26	18.5	4.122	27.748	41.223	986
1195	4.054	34.968	6.07	12.3	1.24	18.4	3.971	27.764	41.250	1182
1393	3.955	34.962	5.96	12.7	1.22	18.3	3.845	27.772	41.268	1378
1591	3.843	34.965	6.01	12.1	1.23	18.3	3.717	27.788	41.294	1573
1793	3.736	34.970	6.03	13.9	1.24	18.3	3.592	27.804	41.320	1771
1993	3.583	34.972	5.98	15.1	1.22	18.4	3.422	27.823	41.351	1969
2242	3.347	34.965	5.91	17.0	1.24	18.5	3.166	27.842	41.390	2213
2492	3.132	34.950	5.77	18.4	1.25	18.3	2.930	27.852	41.419	2459
2639	2.984	34.945	6.14	18.9	1.23	18.2	2.771	27.862	41.442	2602
2763	2.792	34.927	6.12	20.2	1.19	18.0	2.482	27.873	41.477	2724

ENDEAVOR 83 STA- 26
DATE 25/ 4/82

LAT= 38 32.8N LON= 72 19.2W

SONIC DEPTH= 2717m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cpH	m
3	12.721	35.013	6.12	12.721	26.459	33.021	39.366	0.005	4.38	3
25	12.954	35.334	5.95	12.961	26.660	33.212	39.547	0.037	3.17	25
50	13.104	35.444	5.61	13.097	26.718	33.264	39.595	0.071	3.29	50
75	13.646	35.676	5.29	13.636	26.787	33.315	39.629	0.103	1.70	74
100	13.621	35.695	5.31	13.606	26.808	33.337	39.652	0.135	1.19	99
150	13.919	35.783	5.34	13.897	26.815	33.335	39.641	0.198	0.49	149
200	13.759	35.750	5.35	13.730	26.824	33.350	39.660	0.262	0.88	198
250	13.138	35.603	5.38	13.103	26.840	33.385	39.713	0.326	2.45	248
300	12.416	35.609	3.80	12.376	26.990	33.556	39.905	0.386	3.00	298
350	10.844	35.404	3.43	10.800	27.127	33.742	40.139	0.440	3.09	347
400	9.431	35.241	3.37	9.386	27.244	33.907	40.348	0.488	2.39	397
450	8.655	35.172	3.47	8.616	27.315	34.003	40.469	0.532	2.52	446
500	7.581	35.101	3.81	7.531	27.423	34.149	40.651	0.571	2.66	496
600	6.019	35.038	4.55	5.966	27.588	34.370	40.926	0.636	2.00	595
700	5.188	35.007	5.08	5.130	27.666	34.479	41.065	0.691	1.48	694
800	4.768	35.000	5.45	4.703	27.709	34.539	41.140	0.739	1.08	797
900	4.592	34.999	5.57	4.520	27.729	34.566	41.174	0.786	0.86	891
1000	4.430	34.994	5.72	4.351	27.744	34.587	41.201	0.832	0.66	990
1200	4.172	34.981	5.92	4.076	27.763	34.617	41.241	0.923	0.62	1188
1400	4.005	34.978	6.04	3.893	27.780	34.641	41.272	1.013	0.55	1385
1600	3.857	34.974	6.11	3.739	27.793	34.660	41.297	1.104	0.59	1582
1800	3.754	34.979	6.11	3.619	27.809	34.691	41.322	1.195	0.58	1779
2000	3.611	34.977	6.10	3.449	27.824	34.703	41.350	1.286	0.61	1975
2200	3.439	34.969	6.09	3.261	27.836	34.722	41.377	1.376	0.61	2177
2400	3.234	34.961	6.09	3.039	27.851	34.746	41.409	1.465	0.69	2368
2600	3.037	34.950	6.16	2.826	27.862	34.755	41.437	1.552	0.70	2565
2735	2.804	34.939	6.21	2.585	27.874	34.788	41.469	1.609	0.86	2697

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	NE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
19	13.404	35.477	6.22	1.9	0.30	2.5	13.401	26.681	39.541	19
102	14.180	35.814	5.37	2.8	0.50	5.5	14.165	26.782	39.593	101
203	13.697	35.719	5.30	3.2	0.54	7.5	13.668	26.813	39.653	201
300	12.950	35.671	4.27	6.7	0.91	14.1	12.908	26.932	39.815	298
400	10.278	35.321	3.34	13.1	1.53	24.8	10.230	27.163	40.212	396
501	8.194	35.140	3.62	15.1	1.65	24.0	8.141	27.363	40.549	496
603	6.270	35.045	4.57	14.3	1.52	22.6	6.215	27.561	40.881	598
696	5.298	35.012	5.07	13.2	1.43	20.6	5.240	27.657	41.048	690
802	4.874	34.994	5.53	12.5	1.37	19.7	4.808	27.693	41.116	794
898	4.566	34.999	5.47	12.7	1.38	19.8	4.494	27.732	41.178	890
1002	4.529	34.982	5.71	12.4	1.31	19.3	4.449	27.724	41.174	997
1195	4.156	34.970	6.00	12.1	1.30	18.7	4.071	27.755	41.234	1183
1398	4.029	34.982	6.06	12.5	1.31	18.6	3.917	27.781	41.271	1383
1595	3.982	34.972	6.10	13.0	1.26	18.3	3.754	27.789	41.292	1577
1786	3.804	34.978	6.05	14.0	1.25	18.4	3.660	27.804	41.314	1765
1993	3.642	34.976	6.06	15.2	1.29	18.5	3.481	27.820	41.344	1968
2187	3.457	34.963	6.10	15.9	1.13	18.4	3.279	27.829	41.369	2150
2386	3.233	34.959	6.06	18.0	1.29	18.4	3.040	27.849	41.407	2355
2577	3.093	34.949	6.16	18.7	1.29	18.6	2.883	27.855	41.426	2541
2738	2.793	34.936	6.23	19.3	1.29	18.2	2.574	27.872	41.468	2690

ENDFAVOR 83 STA- 27
DATE 26/ 4/82

LAT= 38 37.9N LON= 72 7.8W

SONIC DEPTH= 2704m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	15.292	36.097	5.37	15.291	26.754	33.233	39.499	0.004	1.50	3
25	15.101	36.081	5.49	15.098	26.785	33.270	39.541	0.032	2.09	25
50	15.094	36.092	5.32	15.086	26.796	33.281	39.552	0.063	1.07	50
75	15.042	36.082	5.44	15.030	26.801	33.287	39.560	0.095	0.43	74
100	15.015	36.074	5.36	14.999	26.802	33.289	39.563	0.126	0.35	99
150	15.030	36.078	5.43	15.007	26.803	33.290	39.564	0.190	0.22	149
200	14.970	36.061	5.43	14.939	26.805	33.293	39.569	0.255	0.43	198
250	14.862	36.033	5.29	14.824	26.808	33.300	39.579	0.320	0.66	248
300	14.673	35.985	5.29	14.628	26.814	33.312	39.597	0.386	0.65	298
350	14.359	35.907	5.23	14.307	26.823	33.331	39.625	0.452	2.22	347
400	12.026	35.559	3.54	11.973	27.029	33.608	39.968	0.515	3.71	397
450	10.687	35.382	3.46	10.631	27.140	33.761	40.163	0.569	2.94	446
500	9.069	35.204	3.56	9.014	27.276	33.951	40.404	0.617	3.07	496
600	6.825	35.069	4.46	6.768	27.505	34.259	40.786	0.695	2.40	595
700	5.769	35.027	5.07	5.708	27.611	34.403	40.968	0.757	1.90	694
800	5.016	34.998	5.58	4.950	27.679	34.500	41.092	0.810	1.31	792
900	4.759	34.999	5.70	4.686	27.711	34.541	41.143	0.860	1.00	891
1000	4.514	34.988	5.85	4.433	27.731	34.571	41.182	0.907	0.82	990
1200	4.296	34.987	5.94	4.200	27.755	34.604	41.223	1.000	0.63	1188
1400	4.047	34.974	6.08	3.935	27.773	34.632	41.262	1.093	0.60	1385
1600	3.906	34.971	6.12	3.778	27.786	34.652	41.287	1.185	0.59	1582
1800	3.802	34.974	6.11	3.656	27.801	34.672	41.312	1.278	0.60	1779
2000	3.637	34.975	6.12	3.475	27.820	34.697	41.344	1.370	0.64	1975
2200	3.478	34.971	6.11	3.299	27.834	34.718	41.372	1.461	0.65	2172
2400	3.290	34.964	6.12	3.094	27.847	34.740	41.401	1.550	0.61	2368
2600	3.091	34.952	6.18	2.879	27.858	34.760	41.430	1.639	0.69	2565
2741	2.884	34.943	6.28	2.662	27.870	34.780	41.459	1.700	0.85	2703

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	NE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
10	15.384	36.147	5.62				15.382	26.772	39.512	10
97	15.375	36.170	5.36	2.6	0.32	4.1	15.360	26.795	39.535	96
194	14.976	36.068	5.37	2.7	0.34	5.3	14.946	26.808	39.572	192
297	14.684	35.980	5.22	2.8	0.48	5.9	14.639	26.808	39.590	294
398	12.575	35.623	5.39		0.42	7.0	12.520	26.972	39.878	394
497	9.198	35.205	3.54				9.142	27.256	40.376	493
602	6.842	35.071	4.26	15.0	1.46	23.7	6.785	27.505	40.785	597
699	5.713	35.020	4.26		1.41		5.652	27.613	40.974	692
795	5.114	35.005	4.92		1.34		5.047	27.674	41.079	787
867	4.842	34.995	5.31	13.1	1.29	19.8	4.771	27.698	41.124	859
997	4.403	34.968	5.54	12.8	1.26	19.4	4.324	27.726	41.186	987
1192	4.307	34.984	5.89	12.1	1.18	18.5	4.211	27.751	41.219	1180
1391	4.077	34.976	5.91	12.4	1.21	18.5	3.966	27.771	41.257	1376
1590	3.894		6.01	12.5	1.15	18.0				1572
1782	3.787	34.969	6.13	13.6	1.13	17.9	3.643	27.798	41.310	1761
1997	3.640	34.974	6.14	14.9	1.10	17.7	3.478	27.819	41.343	1972
2196	3.466	34.968	6.11	16.3	1.14	18.0	3.288	27.832	41.371	2167
2397	3.293	34.960	6.13	17.5	1.22	18.2	3.097	27.844	41.398	2366
2548	3.151	34.956	6.16	17.4	1.15	17.6	2.944	27.855	41.421	2513
2745	2.881	34.942	6.23	19.3	1.16	18.0	2.658	27.870	41.459	2706

ENDEAVOR 83 STA- 28
DATE 26/ 4/82

LAT= 38 43.0N LON= 71 56.9W

SONIC DEPTH= 2677m

PR	T	S	02	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cmh	m
7	15.873	36.288	5.72	15.872	26.769	33.231	39.481	0.009	-0.32	7
25	15.876	36.289	5.42	15.872	26.770	33.232	39.482	0.032	1.72	25
50	15.777	36.284	5.38	15.769	26.790	33.255	39.507	0.063	0.51	50
75	15.779	36.285	5.36	15.767	26.791	33.256	39.508	0.095	0.16	74
100	15.780	36.285	5.32	15.764	26.791	33.256	39.509	0.127	0.26	99
150	15.769	36.280	5.34	15.746	26.792	33.257	39.510	0.191	0.17	149
200	15.751	36.273	5.32	15.720	26.793	33.259	39.512	0.257	0.26	198
250	15.676	36.250	5.30	15.636	26.794	33.262	39.519	0.323	0.52	248
300	15.451	36.190	5.21	15.404	26.800	33.275	39.538	0.390	0.72	298
350	15.252	36.135	5.14	15.198	26.804	33.285	39.554	0.457	0.69	347
400	14.877	36.042	4.99	14.816	26.817	33.310	39.589	0.525	1.84	397
450	12.908	35.697	3.72	12.845	26.965	33.516	39.851	0.589	3.37	446
500	11.484	35.489	3.59	11.419	27.079	33.675	40.053	0.647	3.17	496
600	8.213	35.133	3.80	8.149	27.356	34.061	40.542	0.743	3.15	595
700	6.174	35.042	4.85	6.110	27.572	34.349	40.899	0.813	2.08	694
800	5.416	35.018	5.29	5.347	27.649	34.454	41.031	0.872	1.68	792
900	5.024	35.010	5.48	4.949	27.690	34.510	41.102	0.924	1.17	891
1000	4.594	34.984	5.79	4.513	27.718	34.556	41.164	0.973	0.92	990
1200	4.267	34.979	5.97	4.171	27.751	34.601	41.222	1.068	0.75	1188
1400	4.021	34.967	6.17	3.909	27.769	34.630	41.261	1.161	0.62	1385
1600	3.874	34.968	6.10	3.746	27.787	34.654	41.291	1.253	0.54	1582
1800	3.775	34.969	6.14	3.630	27.800	34.671	41.312	1.346	0.61	1779
2000	3.645	34.970	6.11	3.483	27.815	34.692	41.339	1.438	0.63	1975
2200	3.481	34.969	6.12	3.302	27.832	34.716	41.370	1.530	0.69	2172
2400	3.282	34.960	6.21	3.086	27.845	34.738	41.400	1.620	0.60	2368
2600	3.087	34.950	6.17	2.875	27.857	34.758	41.428	1.709	0.67	2565
2717	2.893	34.940	6.26	2.673	27.867	34.777	41.455	1.760	1.04	2679

PR	T	S	02	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
4	15.855	36.291	5.42	2.4	0.42	5.6	15.855	26.776	39.488	4
97	15.780	36.286	5.25	2.4	0.41	5.8	15.765	26.792	39.509	96
195	15.765	36.279	5.22	2.5	0.45	5.9	15.734	26.794	39.513	193
296	15.591	36.224	5.22	2.7	0.47	6.2	15.545	26.795	39.524	293
395	14.851	36.036	5.04	3.2	0.54	7.7	14.790	26.818	39.591	391
494	11.764	35.504	3.51	10.3	1.28	19.8	11.700	27.039	39.995	490
596	8.386	35.139	3.60	15.2	1.65	24.3	8.322	27.334	40.509	591
695	6.405	35.050	4.78	14.2	1.55	22.3	6.340	27.548	40.859	689
793	5.515	35.018	5.04	13.3	1.48	20.8	5.446	27.636	41.012	785
893	5.070	35.012	5.37	12.9	1.40	19.8	4.995	27.686	41.094	884
993	4.597	34.984	5.75	12.6		19.0	4.517	27.718	41.163	983
1195	4.290	34.982	5.96	12.1	1.32	18.6	4.195	27.751	41.220	1183
1391	4.039	34.970	6.04	12.3	1.26	18.4	3.928	27.770	41.260	1376
1592	3.893	34.971	6.07	12.9	1.27	18.2	3.766	27.787	41.289	1574
1771	3.789	34.969	6.07	13.4	1.27	18.1	3.646	27.798	41.309	1750
1994	3.639	34.972	6.11	14.4	1.25	18.4	3.477	27.817	41.341	1969
2193	3.472	34.971	6.09	16.2	1.31	18.4	3.294	27.834	41.373	2165
2389	3.297	34.964	6.10	17.3	1.25	18.7	3.102	27.847	41.400	2358
2499	3.184	34.958	6.16	17.9	1.30	18.2	2.980	27.854	41.417	2465
2715	2.889	34.944	6.15	19.6	1.32	18.1	2.670	27.870	41.458	2677

ENDEAVOR 83 STA- 29
DATE 26/ 4/82

LAT= 38 47.8N LON= 71 46.7W

SONIC DEPTH= 2637m

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	15.981	36.308	5.82	15.980	26.759	33.218	39.465	0.001	1.45	1
25	15.948	36.312	5.43	15.944	26.771	33.230	39.478	0.032	1.00	25
50	15.886	36.309	5.37	15.878	26.784	33.246	39.495	0.064	1.40	50
75	15.875	36.309	5.34	15.863	26.787	33.249	39.499	0.095	0.29	74
100	15.875	36.308	5.35	15.860	26.788	33.250	39.500	0.127	0.14	99
150	15.879	36.307	5.30	15.855	26.788	33.250	39.500	0.192	0.16	149
200	15.881	36.306	5.33	15.849	26.788	33.250	39.501	0.258	0.11	198
250	15.878	36.303	5.30	15.838	26.789	33.251	39.502	0.324	0.15	248
300	15.878	36.301	5.31	15.830	26.789	33.252	39.503	0.391	0.19	298
350	15.802	36.278	5.27	15.746	26.791	33.256	39.509	0.459	0.57	347
400	15.538	36.207	5.17	15.475	26.797	33.270	39.531	0.528	1.33	397
450	13.980	35.892	4.16	13.914	26.896	33.415	39.719	0.596	3.88	446
500	11.853	35.548	3.68	11.787	27.056	33.640	40.006	0.655	2.92	496
600	9.113	35.211	3.52	9.046	27.276	33.950	40.402	0.756	2.72	595
700	6.797	35.068	4.40	6.730	27.510	34.264	40.793	0.836	2.52	694
800	5.681	35.029	5.07	5.611	27.625	34.420	40.989	0.899	1.87	792
900	5.020	35.007	5.55	4.945	27.687	34.508	41.100	0.952	1.31	891
1000	4.620	34.988	5.82	4.539	27.719	34.555	41.162	1.002	0.89	990
1200	4.307	34.982	5.96	4.210	27.750	34.598	41.218	1.097	0.71	1188
1400	4.104	34.978	6.08	3.992	27.770	34.627	41.254	1.191	0.64	1385
1600	3.927	34.973	6.11	3.798	27.786	34.650	41.285	1.284	0.61	1582
1800	3.777	34.972	6.16	3.632	27.802	34.673	41.314	1.376	0.61	1779
2000	3.647	34.975	6.14	3.484	27.819	34.696	41.343	1.468	0.62	1975
2200	3.486	34.971	6.13	3.307	27.833	34.717	41.370	1.559	0.60	2172
2400	3.313	34.964	6.17	3.118	27.845	34.737	41.397	1.649	0.81	2368
2600	2.746	34.936	6.25	2.541	27.876	34.791	41.474	1.735	1.12	2564
2657	2.439	34.921	6.30	2.234	27.889	34.817	41.513	1.757	1.41	2620

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
14	15.963	36.309	5.42	2.4	0.29	5.3	15.961	26.765	39.472	14
100	15.872	36.307	5.22	2.4	0.26	6.0	15.856	26.788	39.500	99
199	15.877	36.303	5.21	2.3	0.24	5.9	15.845	26.787	39.500	197
298	15.880	36.300	5.22	2.4	0.25	6.2	15.833	26.788	39.501	296
398	15.685	36.239	5.18	2.4	0.26	6.6	15.622	26.789	39.514	394
497	12.166	35.585	3.61	9.4	0.94	18.8	12.100	27.025	39.956	492
603	9.311	35.405	3.48	14.9	1.40	24.4	9.242	27.396	40.505	597
694	6.965	35.070	4.24				6.897	27.489	40.760	687
795	5.775	35.026	4.90	13.3	1.24	20.7	5.705	27.611	40.968	787
892	5.060	35.002	5.37	13.0	1.19	20.1	4.985	27.679	41.088	883
994	4.645	34.988	5.67	12.3	1.14	19.4	4.564	27.716	41.157	984
1095	4.519	34.992	5.80	12.3	1.13	19.4	4.430	27.734	41.185	1084
1293	4.226	34.981	5.96	12.4	1.08	18.7	4.122	27.758	41.233	1279
1490	4.009	34.971	6.03	12.6	1.07	19.2	3.890	27.775	41.267	1473
1679	3.854	34.969	6.10	13.1	1.06	18.8	3.719	27.791	41.296	1659
1893	3.739	34.970	6.08	14.1	1.06	18.8	3.585	27.805	41.321	1870
2093	3.577	34.971	6.09	15.3	1.07	18.8	3.407	27.823	41.353	2067
2292	3.401	34.963	6.10	16.7	1.06	18.8	3.215	27.836	41.380	2262
2466	3.158	34.953	6.14	18.0	1.06	18.6	2.959	27.852	41.417	2433
2662	2.425	34.917	6.23	24.0	1.07	18.9	2.220	27.887	41.512	2625

ENDEAVOR 83 STA- 30 LAT= 38 52.2N LON= 71 35.1W SONIC DEPTH= 2562m
DATE 26/ 4/82

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	15.976	36.265	5.92	15.976	26.728	33.187	39.434	0.001	2.60	1
25	15.941	36.307	5.48	15.937	26.769	33.229	39.477	0.032	1.34	25
50	15.858	36.304	5.39	15.850	26.787	33.249	39.499	0.064	0.90	50
75	15.833	36.298	5.34	15.821	26.789	33.252	39.503	0.096	0.46	74
100	15.824	36.295	5.34	15.808	26.789	33.253	39.504	0.127	0.21	99
150	15.831	36.295	5.32	15.807	26.790	33.253	39.505	0.192	0.11	149
200	15.837	36.295	5.31	15.805	26.790	33.254	39.505	0.257	-0.13	198
250	15.838	36.294	5.29	15.798	26.791	33.254	39.506	0.324	0.18	248
300	15.818	36.286	5.25	15.770	26.791	33.255	39.508	0.391	0.22	298
350	15.740	36.263	5.25	15.684	26.793	33.260	39.515	0.459	0.46	347
400	15.021	36.085	5.07	14.959	26.819	33.307	39.582	0.527	2.07	397
450	12.838	35.689	3.76	12.775	26.973	33.526	39.863	0.591	2.78	446
500	11.610	35.516	3.65	11.545	27.077	33.668	40.042	0.650	2.81	496
600	9.097	35.227	3.68	9.029	27.292	33.966	40.418	0.750	2.83	595
700	6.880	35.073	4.34	6.812	27.503	34.254	40.780	0.828	2.51	694
800	5.533	35.022	5.14	5.463	27.638	34.439	41.012	0.889	1.81	792
900	4.974	35.003	5.56	4.899	27.690	34.512	41.106	0.942	1.29	891
1000	4.592	34.988	5.84	4.511	27.721	34.559	41.167	0.992	1.04	990
1200	4.337	34.991	5.95	4.240	27.753	34.601	41.219	1.086	0.69	1188
1400	4.114	34.981	6.04	4.001	27.771	34.628	41.255	1.178	0.59	1385
1600	3.919	34.972	6.15	3.790	27.786	34.651	41.286	1.271	0.62	1582
1800	3.792	34.973	6.17	3.647	27.801	34.672	41.312	1.364	0.62	1779
2000	3.624	34.973	6.19	3.462	27.820	34.698	41.345	1.455	0.67	1975
2200	3.426	34.968	6.17	3.248	27.836	34.723	41.379	1.545	0.64	2172
2400	3.209	34.959	6.19	3.015	27.851	34.747	41.411	1.634	0.78	2368
2600	2.477	34.923	6.28	2.278	27.888	34.814	41.507	1.716	1.39	2564

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	15.956	36.313	5.43	2.2	0.46	5.5	15.955	26.769	39.476	5
94	32.366	36.298	5.21	2.4	0.35	6.0	32.341	21.880	33.942	93
195	15.795	36.287	5.16	2.3	0.46	6.0	15.764	26.793	39.510	194
296	15.750	36.266	5.22	2.4	0.43	5.9	15.703	26.791	39.512	293
394	15.132	36.101	5.12	2.3	0.44	7.2	15.071	26.806	39.563	390
497	11.300	35.470	3.54	10.8	1.25	20.1	11.237	27.099	40.083	492
593	9.032	35.215	3.56		1.58	22.6	8.965	27.293	40.423	588
693	6.653	35.057	4.35	14.5	1.50		6.588	27.521	40.814	686
795	5.359	35.012	5.14	12.9	1.46	20.5	5.291	27.651	41.038	787
890	4.952	34.994	5.46	12.3	1.40	19.7	4.878	27.685	41.103	881
993	4.527	34.986	5.76	11.8	1.35	18.9	4.447	27.727	41.177	983
1092	4.438	34.984	5.85	11.8	1.35	18.7	4.350	27.736	41.193	1081
1293	4.182	34.975	5.95	12.1	1.24	18.6	4.079	27.758	41.236	1279
1476	4.007	34.977	6.03	12.1	1.31	18.3	3.889	27.780	41.272	1460
1719	3.830	34.993	6.11	12.8	1.30	18.3	3.691	27.813	41.320	1698
1892	3.718	34.987	6.07	13.7	1.30	18.0	3.565	27.820	41.337	1870
2094	3.527	34.982	6.07				3.358	27.837	41.370	2068
2289	3.334	34.971	6.08	16.4	1.31	17.2	3.149	27.848	41.398	2259
2482	3.048	34.957	6.17	18.2	1.23	18.4	2.849	27.865	41.438	2449
2607	2.471	34.923	6.22	22.7	1.23	18.3	2.271	27.888	41.508	2571

ENDEAVOR 83 STA- 31
DATE 27/ 4/82

LAT= 38 56.9N LON= 71 24.4W

SONIC DEPTH= 2606m

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	15.830	36.282	5.67	15.830	26.774	33.237	39.488	0.004	1.23	3
25	15.834	36.290	5.33	15.830	26.780	33.243	39.494	0.032	-0.24	25
50	15.792	36.277	5.47	15.784	26.781	33.245	39.497	0.063	0.56	50
75	15.519	36.212	5.41	15.508	26.794	33.266	39.526	0.095	1.35	74
100	15.547	36.225	5.36	15.531	26.799	33.270	39.529	0.127	0.48	99
150	15.512	36.215	5.34	15.488	26.800	33.273	39.533	0.191	0.27	149
200	15.479	36.205	5.34	15.448	26.802	33.276	39.537	0.256	0.36	198
250	15.472	36.202	5.33	15.433	26.803	33.277	39.539	0.321	0.09	248
300	15.424	36.186	5.32	15.377	26.803	33.279	39.542	0.388	0.73	298
350	14.922	36.050	5.34	14.868	26.812	33.302	39.580	0.455	0.80	347
400	14.318	35.944	4.64	14.258	26.863	33.371	39.666	0.522	3.53	397
450	12.100	35.574	3.63	12.040	27.028	33.604	39.963	0.582	3.00	446
500	10.729	35.399	3.56	10.667	27.147	33.767	40.167	0.637	2.69	496
600	7.969	35.125	3.85	7.906	27.386	34.099	40.589	0.729	2.91	595
700	6.250	35.040	4.62	6.186	27.561	34.335	40.883	0.799	2.23	694
800	5.338	35.009	5.26	5.270	27.651	34.459	41.040	0.856	1.49	792
900	4.904	34.999	5.54	4.830	27.694	34.519	41.116	0.908	1.15	891
1000	4.708	35.004	5.72	4.626	27.722	34.554	41.158	0.958	0.93	990
1200	4.262	34.979	6.01	4.166	27.752	34.603	41.224	1.052	0.72	1187
1400	4.099	34.978	6.01	3.986	27.770	34.627	41.255	1.145	0.61	1385
1600	3.933	34.974	6.08	3.804	27.786	34.651	41.285	1.238	0.59	1582
1800	3.815	34.975	6.17	3.669	27.800	34.670	41.309	1.331	0.61	1779
2000	3.680	34.974	6.19	3.517	27.815	34.691	41.336	1.423	0.61	1975
2200	3.474	34.969	6.20	3.295	27.832	34.717	41.371	1.514	0.61	2172
2400	3.299	34.962	6.22	3.103	27.845	34.738	41.399	1.605	0.65	2368
2600	2.807	34.941	6.27	2.600	27.874	34.787	41.467	1.692	1.23	2564
2647	2.485	34.924	6.30	2.280	27.888	34.814	41.508	1.710	1.78	2611

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
103	15.722	36.253	5.41	2.4	0.24	6.1	15.706	26.780	39.501	102
195	15.433	36.185	5.30	2.7	0.27	6.8	15.403	26.797	39.535	194
299	15.397	36.169	5.26	2.7	0.27	7.3	15.350	26.796	39.537	298
399	14.598	35.982	4.81	3.9	0.39		14.538	26.832	39.619	398
485	11.177	35.448	3.57	11.4	1.28	21.4	11.116	27.104	40.096	484
601	8.019	35.128	3.77	15.2	1.41	25.7	7.956	27.381	40.580	600
692	6.245	35.034	4.61				6.182	27.556	40.879	692
798	5.280	35.003	5.25	13.2	1.18		5.212	27.653	41.046	791
897	4.838	34.990	5.50	12.6	1.14		4.764	27.695	41.121	888
998	4.647	34.999	5.69	12.5	1.14		4.565	27.724	41.165	988
1094	4.488	34.989	5.81	12.3	1.13		4.399	27.735	41.188	1082
1196	4.291	34.975	5.91	12.0	1.12		4.196	27.746	41.215	1184
1399	4.092	34.974	6.02	12.3	1.12		3.980	27.768	41.253	1383
1590	3.931	34.971	6.07	12.7	1.12		3.804	27.784	41.283	1572
1797	3.804	34.974	6.09	13.4	1.12		3.659	27.801	41.311	1775
2001	3.664	34.973	6.07	14.4	1.12		3.502	27.816	41.338	1976
2201	3.451	34.966	6.17	15.9	1.13		3.272	27.832	41.373	2173
2398	3.294	34.958	6.09	17.0	1.14		3.099	27.842	41.396	2366
2652	2.480	34.923	5.55	21.8	1.21	18.5	2.275	27.888	41.508	2615

ENDEAVOR 83 STA- 32 LAT= 39 1.7N LON= 71 13.0W SONIC DEPTH= 2777m
DATE 27/ 4/92

PR	T	S	O2	A	SIG-B	SIG-1.5	SIG-3	HGTH	N	DE
dbar	Deq C	o/oo	ml/l	Deq C	kg/m3	kg/m3	kg/m3	m	cdh	m
3	14.992	35.998	5.76	14.991	26.745	33.233	39.508	0.004	1.72	3
25	15.316	36.129	5.54	15.312	26.774	33.252	39.517	0.032	2.72	25
50	15.575	36.237	5.42	15.567	26.799	33.270	39.528	0.063	0.19	50
75	15.564	36.233	5.35	15.553	26.800	33.271	39.529	0.095	0.27	74
100	15.558	36.231	5.37	15.542	26.801	33.272	39.531	0.127	0.12	99
150	15.561	36.230	5.37	15.537	26.801	33.272	39.531	0.191	0.20	149
200	15.526	36.219	5.34	15.495	26.802	33.274	39.534	0.255	0.67	198
250	14.913	36.050	5.31	14.875	26.810	33.301	39.578	0.321	0.64	248
300	14.541	35.954	5.35	14.496	26.819	33.321	39.609	0.387	1.04	298
350	13.807	35.825	4.53	13.756	26.877	33.401	39.710	0.452	2.72	347
400	12.355	35.612	3.67	12.311	27.005	33.573	39.924	0.513	3.01	397
450	10.786	35.396	3.47	10.730	27.133	33.751	40.150	0.567	2.75	446
500	9.550	35.255	3.49	9.493	27.237	33.896	40.333	0.617	2.89	496
600	6.954	35.068	4.31	6.907	27.486	34.234	40.757	0.698	2.81	595
700	5.598	35.024	5.08	5.538	27.630	34.428	40.999	0.758	1.93	694
800	4.922	34.993	5.55	4.856	27.687	34.510	41.106	0.810	1.14	792
900	4.717	34.997	5.71	4.644	27.714	34.546	41.149	0.859	0.90	891
1000	4.500	34.991	5.85	4.420	27.734	34.575	41.186	0.906	0.78	990
1200	4.253	34.984	5.98	4.157	27.757	34.608	41.229	0.999	0.71	1187
1400	4.026	34.974	6.09	3.915	27.775	34.635	41.265	1.090	0.55	1385
1600	3.886	34.970	6.15	3.758	27.788	34.654	41.290	1.182	0.58	1582
1800	3.746	34.971	6.16	3.601	27.804	34.677	41.319	1.274	0.62	1779
2000	3.626	34.973	6.16	3.464	27.819	34.697	41.345	1.365	0.60	1975
2200	3.469	34.969	6.15	3.290	27.833	34.718	41.372	1.456	0.67	2172
2400	3.278	34.963	6.20	3.083	27.848	34.741	41.403	1.546	0.68	2368
2600	2.985	34.949	6.23	2.775	27.865	34.770	41.444	1.634	0.88	2564
2800	2.549	34.928	6.32	2.328	27.887	34.811	41.503	1.716	1.11	2760
2813	2.459	34.924	6.31	2.249	27.891	34.818	41.513	1.721	1.67	2773

PR	T	S	O2	SIL	PHOS	NO3	A	SIG-B	SIG-3	DE
dbar	Deq C	o/oo	ml/l	umol/ka	umol/kg	umol/ka	Deq C	kg/m3	kg/m3	m
5	14.773	35.929	5.73	1.8	0.29	4.4	14.772	26.740	39.516	5
102	15.597	36.234	5.20	2.8	0.40	6.5	15.581	26.794	39.522	101
191	15.563	36.229	5.26	2.7	0.39	6.5	15.533	26.801	39.531	190
293	14.931	36.068	5.00	3.2	0.52	8.6	14.886	26.822	39.589	290
382	12.931	35.710	3.70	7.9	1.03	17.4	12.878	26.968	39.853	379
489	9.858	35.294	3.39	12.5	1.31	20.8	9.810	27.214	40.290	485
590	7.120	35.073	4.19	15.2	1.46	23.2	7.053	27.468	40.728	584
692	5.871	35.025	4.89	14.0	1.47	21.4	5.810	27.597	40.946	685
792	4.994	35.022	5.49	12.9	1.35	19.4	4.929	27.701	41.115	784
893	4.718	34.985	5.59	12.5	1.34	19.2	4.645	27.704	41.139	884
993	4.619	34.995	5.66	12.1	1.33	18.9	4.538	27.724	41.167	983
1190	4.250	34.975	5.95	11.8	1.28	18.4	4.155	27.750	41.222	1177
1391	4.046	34.974	6.07	12.2	1.28	18.2	3.935	27.772	41.261	1375
1593	3.890	34.968	6.07	12.7	1.28	18.0	3.762	27.785	41.288	1575
1798	3.770	34.971	6.06	13.5	1.27	18.0	3.625	27.802	41.314	1776
1994	3.636	34.972	6.06	14.6	1.31	18.4	3.474	27.818	41.342	1970
2192	3.466	34.967	6.07	15.9	1.31	18.2	3.289	27.832	41.371	2154
2393	3.270			18.0	1.37	18.1				2361
2553	3.105	34.953	6.18				2.897	27.857	41.427	2518
2818	2.458	34.918	6.07	22.0	1.27		2.238	27.887	41.510	2778

ENDEAVOR R3 STA- 33
DATE 27/ 4/82

LAT= 39 7.1N LON= 71 2.0W

SONIC DEPTH= 2739m

PR	T	S	O2	A	SIG-0	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	14.133	35.669	6.22	14.132	26.677	33.192	39.492	0.004	1.25	3
25	14.131	35.677	6.06	14.128	26.684	33.199	39.500	0.034	0.64	25
50	13.974	35.678	5.88	13.967	26.719	33.238	39.543	0.068	3.04	50
75	14.167	35.808	5.35	14.156	26.780	33.292	39.591	0.100	1.96	74
100	14.649	35.957	5.26	14.634	26.792	33.290	39.574	0.132	0.86	99
150	14.398	35.899	5.28	14.376	26.802	33.308	39.600	0.196	0.76	149
200	14.330	35.885	5.27	14.300	26.808	33.316	39.610	0.261	0.81	198
250	14.303	35.889	5.20	14.266	26.819	33.328	39.623	0.325	1.08	248
300	13.681	35.807	4.29	13.638	26.888	33.415	39.728	0.390	3.33	298
350	11.986	35.552	3.45	11.939	27.030	33.610	39.971	0.448	3.00	347
400	10.309	35.337	3.38	10.261	27.170	33.804	40.217	0.500	2.66	397
450	9.208	35.214	3.41	9.157	27.260	33.930	40.379	0.547	2.45	446
500	8.221	35.138	3.70	8.169	27.357	34.051	40.542	0.590	2.70	496
600	6.378	35.043	4.56	6.323	27.545	34.314	40.857	0.661	2.38	595
700	5.453	35.026	5.09	5.393	27.649	34.453	41.029	0.718	1.52	694
800	5.025	35.017	5.35	4.959	27.694	34.514	41.105	0.769	1.16	792
900	4.645	34.990	5.56	4.573	27.716	34.551	41.157	0.818	0.94	891
1000	4.431	34.986	5.69	4.351	27.738	34.581	41.195	0.864	0.74	990
1200	4.183	34.978	5.86	4.088	27.760	34.613	41.237	0.956	0.67	1187
1400	3.991	34.971	5.90	3.879	27.776	34.637	41.269	1.047	0.59	1385
1600	3.832	34.971	5.98	3.705	27.794	34.662	41.300	1.138	0.61	1582
1800	3.710	34.972	5.94	3.566	27.809	34.683	41.326	1.229	0.59	1779
2000	3.578	34.973	5.96	3.416	27.824	34.703	41.352	1.319	0.64	1975
2200	3.386	34.966	5.98	3.208	27.839	34.727	41.384	1.408	0.65	2172
2400	3.181	34.957	6.02	2.988	27.852	34.749	41.414	1.496	0.65	2368
2600	2.936	34.946	6.08	2.727	27.867	34.774	41.450	1.582	1.00	2564
2767	2.239	34.911	6.12	2.028	27.898	34.835	41.539	1.647	1.32	2778

PR	T	S	O2	SIL	PHOS	N03	θ	SIG-0	SIG-3	NE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
21	14.274	35.721	5.89	1.5	0.22	2.4	14.271	26.687	39.494	21
104	14.622	35.950	5.31	2.7	0.32	6.3	14.606	26.792	39.576	104
199	14.687	35.987	5.20	2.9	0.33	6.6	14.652	26.811	39.592	197
301	13.859	35.831	4.64	4.8	0.55	10.1	13.816	26.869	39.699	299
400	10.127	35.303	3.35	13.6	1.28	22.5	10.079	27.175	40.234	397
503	7.673	35.101	3.82	15.7	1.45	23.1	7.622	27.410	40.631	499
604	6.058	35.033	4.64	14.3	1.35	21.2	6.004	27.579	40.914	598
695	5.288	35.001	5.17	13.4	1.29	20.0	5.230	27.649	41.041	688
803	4.806	34.987	5.50	12.8	1.21	19.3	4.741	27.695	41.123	795
901	4.702	35.005	5.60	12.8	1.20	18.8	4.629	27.722	41.158	892
998	4.515	34.994	5.69	12.5	1.16	18.6	4.435	27.735	41.186	988
1105	4.345	34.986	5.86	12.5	1.14	18.2	4.257	27.748	41.217	1093
1301	4.102	34.975	5.89	12.6	1.12	18.0	3.999	27.767	41.251	1287
1501	3.899	34.968	5.84	12.9	1.08	18.0	3.780	27.784	41.285	1484
1681	3.814	34.976	5.94	13.7	1.12	17.9	3.680	27.800	41.309	1662
1875	3.656	34.972	5.96	14.7	1.10	17.9	3.515	27.813	41.335	1852
2087	3.505	34.975	6.03	15.8	1.12	18.1	3.337	27.833	41.368	2061
2298	3.308	34.963	5.97	17.3	1.11	18.1	3.122	27.844	41.396	2268
2477	3.100	34.951	6.11	18.2	1.10	18.2	2.900	27.855	41.425	2464
2766	2.235	34.909	6.14	26.1	1.14	18.3	2.024	27.897	41.538	2772

ENDEAVOR 83 STA- 34
DATE 27/ 4/82

LAT= 39 11.8N LON= 70 50.8W

SONIC DEPTH= 2715m

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	13.471	35.308	6.26	13.471	26.537	33.074	39.395	0.001	2.70	1
25	13.592	35.451	6.01	13.589	26.622	33.155	39.472	0.036	4.85	25
50	14.105	35.739	5.79	14.098	26.738	33.253	39.554	0.070	2.57	50
75	14.084	35.793	5.36	14.073	26.785	33.301	39.602	0.102	2.16	74
100	14.266	35.873	5.29	14.251	26.809	33.318	39.614	0.134	0.93	99
150	14.022	35.813	5.33	14.000	26.817	33.334	39.636	0.197	0.78	149
200	13.724	35.750	5.27	13.695	26.832	33.358	39.670	0.261	1.23	198
250	12.784	35.619	4.73	12.750	26.923	33.478	39.816	0.323	3.07	248
300	11.596	35.500	3.40	11.558	27.062	33.654	40.027	0.380	3.38	298
350	9.932	35.295	3.30	9.891	27.201	33.847	40.272	0.430	2.90	347
400	8.591	35.164	3.47	8.548	27.319	34.010	40.478	0.474	2.58	397
450	7.679	35.105	3.83	7.634	27.411	34.134	40.632	0.513	2.39	446
500	6.749	35.061	4.30	6.702	27.508	34.263	40.793	0.548	2.10	496
600	5.654	35.022	4.89	5.602	27.620	34.416	40.985	0.608	1.82	595
700	5.008	34.990	5.35	4.950	27.673	34.494	41.086	0.660	1.32	694
800	4.653	34.989	5.57	4.589	27.714	34.548	41.153	0.708	0.92	792
900	4.547	34.996	5.61	4.475	27.732	34.571	41.180	0.755	0.86	891
1000	4.266	34.969	5.80	4.187	27.742	34.592	41.212	0.800	0.68	990
1200	4.154	34.982	5.84	4.059	27.766	34.620	41.245	0.891	0.59	1187
1400	3.960	34.972	5.92	3.849	27.780	34.642	41.275	0.981	0.59	1385
1600	3.821	34.971	5.92	3.693	27.795	34.664	41.302	1.071	0.58	1582
1800	3.720	34.974	5.90	3.576	27.809	34.683	41.326	1.161	0.57	1779
2000	3.561	34.972	5.97	3.399	27.825	34.705	41.355	1.251	0.66	1975
2200	3.376	34.967	5.97	3.199	27.840	34.728	41.386	1.340	0.65	2172
2400	3.170	34.958	5.98	2.976	27.854	34.751	41.417	1.428	0.70	2368
2600	2.863	34.944	6.05	2.656	27.872	34.782	41.461	1.513	0.90	2564
2747	2.241	34.911	6.10	2.032	27.898	34.834	41.538	1.570	1.51	2708

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
4	13.310	35.310	6.04	1.7	0.21	2.6	13.309	26.571	39.439	4
99	14.252	35.886	5.30	2.8	0.41	7.0	14.237	26.822	39.628	98
196	13.848	35.789	4.95	3.2	0.49	7.8	13.819	26.836	39.666	194
294	11.645	35.535	3.43	10.0	1.20	20.2	11.607	27.080	40.041	292
390	8.841	35.178	3.43	15.0	1.66	23.5	8.798	27.290	40.433	387
490	6.867	35.062	4.22	14.4	1.47		6.820	27.493	40.770	486
592	5.698	35.022	4.83	13.8	1.23	20.5	5.647	27.615	40.976	586
692	5.008	34.989	5.46	12.8	1.27	19.9	4.951	27.672	41.085	686
793	4.753	34.997	5.53	12.6	1.23	19.4	4.689	27.709	41.141	786
892	4.531	34.987	5.71	12.2	1.23	19.3	4.460	27.726	41.175	884
991	4.413	34.987	5.94	12.1	1.22	18.8	4.334	27.740	41.199	981
1190	4.138	34.981	5.96	12.2	1.16	17.7	4.044	27.767	41.247	1178
1391	3.941	34.970	6.01	12.6	1.31	18.2	3.832	27.780	41.277	1375
1595	3.820	34.970	5.89	13.2	1.32	18.0	3.694	27.794	41.302	1576
1836	3.679	34.973	5.97	14.3	1.15	17.2	3.532	27.813	41.333	1814
2001	3.554	34.970	6.09	15.3	1.26	18.0	3.393	27.824	41.355	1976
2200	3.367	34.964	5.99	16.5	1.21	18.5	3.190	27.839	41.385	2172
2409	3.138	34.952	5.95	17.8	1.25	18.2	2.945	27.852	41.418	2377
2621	2.832	34.940	6.20	19.4	1.22	18.3	2.623	27.871	41.463	2585
2745	2.241	34.907	6.11	25.7	1.28	18.4	2.032	27.895	41.535	2706

ENDEAVOR 93 STA- 35
DATE 29/ 4/92

LAT= 39 17.2N LON= 70 40.2W

SONIC DEPTH= 2642m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
15	11.834	34.764	6.42	11.832	26.438	33.029	39.402	0.024	1.92	15
25	11.889	34.931	6.03	11.886	26.558	33.145	39.515	0.039	7.25	25
50	12.442	35.302	5.47	12.436	26.740	33.307	39.657	0.073	2.00	50
75	12.754	35.413	5.39	12.754	26.763	33.320	39.660	0.105	1.60	74
100	13.120	35.535	5.34	13.106	26.787	33.332	39.661	0.138	1.56	99
150	13.764	35.750	5.16	13.742	26.822	33.347	39.657	0.201	1.72	149
200	13.063	35.676	4.39	13.035	26.910	33.456	39.786	0.263	2.81	198
250	12.125	35.569	3.55	12.092	27.014	33.588	39.946	0.320	3.05	248
300	10.418	35.349	3.34	10.382	27.158	33.788	40.197	0.371	2.70	298
350	8.999	35.198	3.44	8.961	27.280	33.956	40.411	0.417	2.92	347
400	7.938	35.151	3.73	7.897	27.408	34.121	40.610	0.458	2.49	397
450	7.037	35.072	4.14	6.994	27.477	34.222	40.742	0.494	2.49	446
500	6.354	35.044	4.50	6.309	27.547	34.317	40.861	0.526	2.03	496
600	5.367	35.002	4.95	5.316	27.639	34.446	41.025	0.582	1.58	595
700	4.914	34.985	5.41	4.857	27.680	34.504	41.099	0.633	1.09	694
800	4.715	34.991	5.45	4.650	27.709	34.540	41.143	0.681	0.87	792
900	4.600	35.001	5.59	4.527	27.730	34.556	41.174	0.727	0.86	891
1000	4.367	34.987	5.68	4.288	27.746	34.591	41.208	0.773	0.71	990
1200	4.122	34.975	5.85	4.027	27.764	34.620	41.246	0.863	0.62	1187
1400	3.970	34.970	5.90	3.859	27.777	34.640	41.272	0.954	0.57	1385
1600	3.849	34.970	5.88	3.721	27.791	34.659	41.297	1.045	0.52	1582
1800	3.736	34.971	5.94	3.592	27.805	34.678	41.321	1.136	0.60	1779
2000	3.584	34.971	6.00	3.423	27.822	34.702	41.350	1.227	0.64	1975
2200	3.391	34.965	6.02	3.213	27.837	34.725	41.382	1.316	0.66	2172
2400	3.180	34.957	6.01	2.987	27.852	34.749	41.415	1.405	0.68	2368
2600	2.944	34.946	6.01	2.735	27.866	34.774	41.449	1.490	0.82	2564
2673	2.554	34.928	6.13	2.355	27.885	34.808	41.498	1.520	1.58	2636

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
13	11.760	35.703	6.53		0.36		11.759	27.182	40.131	13
36	12.907	35.475	5.68	2.9	0.46	7.1	12.894	26.783	39.671	95
199	12.885	35.610	4.72	5.5	0.69	11.7	12.858	26.895	39.782	198
301	10.587	35.366	3.41	12.5	1.29	21.5	10.551	27.142	40.170	298
497	6.609	35.051	4.29	15.2	1.44	22.5	6.563	27.519	40.815	493
592	5.683	35.021	4.87	14.0	1.33	21.3	5.632	27.616	40.978	586
691	5.053	35.005	5.32	12.9	1.25	19.9	4.996	27.680	41.089	684
792	4.751	34.990	5.70	12.4	1.20	19.2	4.687	27.704	41.136	784
891	4.640	35.000	5.84	12.5	1.19	18.8	4.568	27.725	41.166	882
994	4.350	34.976	5.79	12.3	1.18	18.3	4.272	27.738	41.202	984
1093	4.196	34.969	5.68	12.2	1.13	18.0	4.110	27.750	41.226	1082
1292	4.045	34.969	5.95	12.4	1.12	18.4	3.943	27.768	41.256	1278
1494	3.921	34.970	5.52	12.9	1.13	18.1	3.802	27.783	41.282	1478
1693	3.794	34.965	6.02	13.5	1.12	17.8	3.658	27.794	41.304	1673
1897	3.668	34.959	5.65	14.5	1.13	18.2	3.515	27.811	41.332	1874
2098	3.515	34.968	5.97	15.8	1.13	18.2	3.345	27.827	41.361	2072
2299	3.302	34.950	6.08	17.4	1.14	18.1	3.116	27.842	41.395	2269
2500	3.066	34.949	6.19	18.3	1.13	18.4	2.864	27.957	41.430	2466
2672	2.553	34.923		21.5	1.13	18.4	2.354	27.881	41.495	2635

FNDEAVOR 83 STA- 36
DATE 28/ 4/82

LAT= 39 54.9N LON= 71 42.4W

SONIC DEPTH= 2510m

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	15.882	36.231	5.41	15.882	26.723	33.185	39.436	0.004	3.04	3
25	15.916	36.304	5.35	15.912	26.773	33.233	39.482	0.032	1.41	25
50	15.885	36.308	5.29	15.877	26.783	33.245	39.494	0.064	0.97	50
75	15.867	36.307	5.25	15.855	26.788	33.250	39.500	0.096	0.66	74
100	15.865	36.307	5.23	15.849	26.789	33.251	39.501	0.128	0.13	99
150	15.871	36.306	5.26	15.847	26.789	33.251	39.502	0.192	0.06	149
200	15.871	36.304	5.24	15.840	26.789	33.252	39.502	0.258	0.24	198
250	15.864	36.301	5.25	15.824	26.790	33.253	39.504	0.324	0.16	248
300	15.849	36.294	5.23	15.801	26.790	33.254	39.505	0.391	0.21	298
350	15.808	36.281	5.22	15.752	26.791	33.256	39.509	0.459	0.33	347
400	15.582	36.218	5.21	15.519	26.796	33.268	39.527	0.528	1.05	397
450	14.095	35.919	4.30	14.029	26.893	33.408	39.709	0.596	3.78	446
500	12.173	35.592	3.69	12.106	27.030	33.603	39.960	0.657	3.17	496
600	8.891	35.214	3.72	8.824	27.315	33.996	40.455	0.758	2.64	595
700	6.781	35.069	4.39	6.714	27.513	34.268	40.798	0.837	2.52	694
800	5.623	35.026	5.07	5.553	27.630	34.427	40.997	0.899	1.82	792
900	5.022	35.010	5.47	4.947	27.689	34.510	41.102	0.952	1.32	891
1000	4.687	34.993	5.65	4.606	27.715	34.549	41.153	1.002	0.91	990
1200	4.351	34.983	5.89	4.254	27.745	34.592	41.210	1.097	0.72	1187
1400	4.079	34.976	6.04	3.967	27.771	34.629	41.257	1.191	0.58	1385
1600	3.928	34.972	6.06	3.799	27.785	34.650	41.284	1.284	0.62	1582
1800	3.788	34.974	6.08	3.642	27.802	34.673	41.313	1.376	0.58	1779
2000	3.665	34.975	6.11	3.503	27.817	34.693	41.339	1.469	0.61	1975
2200	3.468	34.968	6.14	3.289	27.832	34.717	41.371	1.560	0.69	2172
2400	3.246	34.960	6.19	3.052	27.849	34.743	41.406	1.650	0.96	2368
2541	2.803	34.941	6.27	2.603	27.874	34.787	41.467	1.709	1.02	2507
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
12	15.897	36.285	5.38	2.6	0.31	5.1	15.895	26.762	39.472	12
100	15.858	36.305	5.26	2.4	0.29	5.3	15.842	26.789	39.502	99
198	15.874	36.304	5.27	2.8	0.30	5.8	15.843	26.788	39.501	196
295	15.867	36.298	5.15	2.9	0.31	6.0	15.820	26.789	39.503	293
395	15.621	36.223	5.02	2.9	0.32	6.5	15.559	26.791	39.520	392
497	12.132	35.584	3.70	9.5	1.02	17.6	12.065	27.031	39.964	492
595	9.171	35.236	3.61	14.5	1.36	22.3	9.104	27.287	40.408	589
694	7.099	35.077	4.13	15.3	1.42	22.5	7.031	27.475	40.738	688
793	5.634	35.022	4.90	14.0	1.29	20.3	5.564	27.625	40.992	785
890	5.054	35.009	5.30	13.1	1.19	19.3	4.980	27.685	41.095	882
990	4.735	34.994	5.63	12.7	1.20	18.9	4.654	27.710	41.145	980
1094	4.511	34.993	5.77	12.7	1.17	18.5	4.422	27.735	41.187	1083
1193	4.354	34.981	5.92	12.4	1.18	18.1	4.258	27.744	41.208	1180
1393	4.088	34.975	5.99	12.8	1.14	18.1	3.976	27.769	41.255	1378
1577	3.933	34.971	6.10	13.0	1.12	17.7	3.806	27.783	41.282	1559
1790	3.786	34.971	6.07	13.9	1.13	18.1	3.642	27.800	41.312	1768
1991	3.658	34.973	6.13	15.1	1.16	17.9	3.497	27.816	41.339	1966
2192	3.471	34.965	6.13	16.3	1.10	18.2	3.293	27.830	41.368	2164
2391	3.261	34.958	6.15	17.7	1.10	18.2	3.067	27.845	41.402	2359
2544	2.744	34.938	6.19	20.4	1.13	18.2	2.545	27.877	41.475	2510

ENDEAVOR R3 STA= 38
DATE 1/ 5/82

LAT= 35 39.3N LON= 72 8.6W

SONIC DEPTH= 4147m

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	coh	m
3	21.724	36.456	5.38	21.723	25.404	31.725	37.840	0.008	2.59	3
25	21.351	36.459	5.07	21.346	25.519	31.848	37.971	0.063	4.66	25
50	21.171	36.592	4.79	21.161	25.664	31.995	38.121	0.123	3.90	50
75	20.113	36.497	5.26	20.099	25.879	32.236	38.385	0.180	5.86	74
100	19.448	36.554	5.25	19.430	26.099	32.470	38.634	0.231	3.88	99
150	18.964	36.593	4.89	18.937	26.257	32.639	38.813	0.324	2.53	149
200	18.613	36.574	5.04	18.578	26.334	32.725	38.907	0.413	2.16	198
250	18.296	36.548	4.94	18.252	26.397	32.796	38.986	0.500	1.92	248
300	17.998	36.520	4.78	17.945	26.452	32.859	39.057	0.585	1.63	298
350	17.855	36.506	4.80	17.794	26.479	32.899	39.091	0.669	1.38	347
400	17.652	36.477	4.77	17.583	26.508	32.924	39.131	0.753	1.43	397
450	17.396	36.430	4.71	17.310	26.539	32.962	39.176	0.835	1.58	446
500	16.944	36.352	4.55	16.860	26.587	33.022	39.247	0.917	2.18	496
600	15.374	36.078	4.21	15.279	26.742	33.221	39.488	1.073	2.46	595
700	13.146	35.723	3.98	13.046	26.945	33.490	39.819	1.214	2.77	694
800	10.831	35.402	3.55	10.730	27.138	33.756	40.155	1.335	2.79	793
900	8.466	35.157	3.66	8.367	27.342	34.039	40.513	1.437	2.98	892
1000	6.506	35.085	4.53	6.411	27.566	34.332	40.872	1.515	2.22	990
1200	5.020	35.026	5.36	4.897	27.708	34.530	41.123	1.632	1.31	1188
1400	4.484	35.004	5.75	4.368	27.750	34.592	41.205	1.734	0.81	1385
1600	4.262	35.005	5.88	4.130	27.777	34.628	41.250	1.832	0.70	1582
1800	4.082	35.001	5.96	3.932	27.795	34.654	41.283	1.928	0.63	1779
2000	3.853	34.990	6.01	3.688	27.811	34.680	41.318	2.024	0.65	1976
2200	3.629	34.977	6.05	3.447	27.824	34.703	41.351	2.118	0.62	2173
2400	3.453	34.973	6.05	3.254	27.839	34.726	41.381	2.211	0.72	2369
2600	3.256	34.961	6.05	3.041	27.850	34.745	41.409	2.303	0.65	2565
2800	3.067	34.953	6.07	2.835	27.863	34.756	41.438	2.394	0.66	2761
3000	2.853	34.942	6.13	2.605	27.874	34.787	41.468	2.483	0.72	2957
3500	2.386	34.914	6.21	2.096	27.895	34.829	41.530	2.693	0.53	3446
4000	2.215	34.897	6.11	1.875	27.899	34.842	41.552	2.898	0.30	3934
4197	2.199	34.892	5.93	1.837	27.898	34.843	41.554	2.981	0.07	4126

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
13	21.124	36.000	0.00				21.122	25.223	37.693	13
105	19.238	36.601	5.04				19.219	26.190	38.734	104
205	18.297	36.534	5.04				18.261	26.383	38.973	203
303	17.992	36.522	0.00				17.939	26.455	39.060	301
304	17.950	36.524	4.74				17.916	26.462	39.068	301
405	17.584	36.459	4.75				17.515	26.519	39.145	401
599	15.470	36.090	3.94				15.375	26.730	39.471	594
802	10.265	35.322	3.28				10.167	27.175	40.228	795
1000	6.622	35.087	4.47				6.525	27.553	40.850	991
1200	5.018	35.026	5.46				4.916	27.706	41.120	1188
1398	4.544	35.017	5.72				4.427	27.754	41.205	1383
1598	4.244	35.009	6.01				4.112	27.782	41.256	1580
1795	4.071	35.003	5.99				3.922	27.797	41.286	1774
1998	3.864	34.992	5.95				3.699	27.811	41.318	1974
2183	3.640	34.979	0.00				3.460	27.824	41.350	2156
2394	3.445	34.976	6.07				3.247	27.843	41.385	2363
2592	3.234	34.962	5.88				3.021	27.853	41.413	2557
2757	3.078	34.959	6.04				2.851	27.866	41.440	2719
2978	2.843	34.943	6.01				2.598	27.876	41.470	2935
3490	2.374	34.915	6.26				2.085	27.897	41.532	3436
4200	2.200	34.897	5.97				1.937	27.902	41.558	4128

ENDEAVOR 83 STA- 39
DATE 1/ 5/82

LAT= 35 57.8N LON= 72 11.3W

SONIC DEPTH= 3996m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	23.981	36.310	0.00	23.980	24.641	30.916	36.988	0.010	6.18	3
25	23.568	36.299	0.00	23.562	24.756	31.040	37.120	0.081	1.58	25
50	23.513	36.290	0.00	23.503	24.767	31.052	37.133	0.161	0.94	50
75	23.517	36.299	0.00	23.502	24.775	31.059	37.140	0.240	4.29	74
100	22.518	36.473	0.00	22.498	25.198	31.502	37.601	0.315	8.57	99
150	19.969	36.573	0.00	19.941	25.979	32.339	38.491	0.432	4.71	149
200	19.001	36.583	0.00	18.965	26.242	32.624	38.797	0.529	3.53	198
250	18.363	36.543	0.00	18.319	26.375	32.773	38.962	0.618	2.36	248
300	18.065	36.520	0.00	18.013	26.435	32.840	39.036	0.704	1.81	298
350	17.839	36.497	0.00	17.778	26.476	32.887	39.089	0.789	1.61	347
400	17.480	36.439	0.00	17.412	26.520	32.941	39.152	0.872	1.81	397
450	16.970	36.348	0.00	16.894	26.576	33.011	39.235	0.954	2.11	446
500	16.074	36.191	0.00	15.993	26.666	33.126	39.374	1.033	3.00	496
600	13.536	35.775	0.00	13.449	26.902	33.435	39.753	1.175	2.93	595
700	10.729	35.323	0.00	10.145	27.180	33.817	40.234	1.295	3.09	694
800	7.750	35.111	0.00	7.677	27.410	34.131	40.628	1.388	3.23	793
900	5.931	35.070	0.00	5.850	27.627	34.413	40.973	1.455	1.78	891
1000	5.254	35.050	0.00	5.168	27.695	34.507	41.091	1.510	1.18	990
1200	4.530	34.993	0.00	4.432	27.735	34.575	41.186	1.610	0.83	1188
1400	4.225	34.986	0.00	4.111	27.754	34.616	41.239	1.706	0.72	1385
1600	3.978	34.973	0.00	3.849	27.780	34.643	41.276	1.801	0.62	1582
1800	3.852	34.972	0.00	3.706	27.795	34.663	41.301	1.895	0.60	1779
2000	3.683	34.971	0.00	3.521	27.812	34.688	41.333	1.989	0.65	1976
2200	3.526	34.970	0.00	3.347	27.828	34.711	41.362	2.081	0.65	2173
2400	3.354	34.964	0.00	3.158	27.841	34.732	41.391	2.172	0.64	2369
2600	3.139	34.955	0.00	2.926	27.856	34.755	41.423	2.262	0.67	2565
2800	2.917	34.945	0.00	2.689	27.869	34.779	41.456	2.350	0.68	2761
3000	2.733	34.936	0.00	2.488	27.880	34.797	41.482	2.435	0.63	2957
3500	2.328	34.911	0.00	2.040	27.897	34.834	41.537	2.641	0.49	3446
4000	2.207	34.896	0.00	1.867	27.899	34.843	41.553	2.845	0.27	3934
4053	2.184	34.892	0.00	1.839	27.898	34.843	41.555	2.867	0.48	3985

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
12	23.599	36.306	4.92	0.5	0.21	0.6	23.596	24.752	37.114	12
100	22.459	36.464	4.83	0.5	0.15	0.5	22.439	25.208	37.614	99
199	19.001	36.590	4.75	1.0	0.15	1.9	18.965	26.247	38.803	197
297	18.023	36.520	4.66	1.3	0.17	4.1	17.971	26.445	39.048	294
399	17.456	36.442	4.58	1.8	0.21	4.9	17.388	26.529	39.162	396
600	13.903	35.830	3.46		0.57		13.815	26.869	39.698	594
798	8.029	35.127	3.72	15.2	1.24	23.7	7.945	27.382	40.587	790
995	5.331	35.056	5.22	13.2	1.21	19.9	5.244	27.691	41.080	986
1195	4.517	34.993	5.73	12.0	1.01	17.9	4.419	27.736	41.188	1183
1394	4.259	34.986	5.85	12.2	0.89	17.9	4.146	27.760	41.232	1379
1594	3.992	34.972	5.95	12.5	1.08	18.0	3.863	27.778	41.273	1576
1794	3.838	34.969	6.03	13.0	0.96	17.0	3.692	27.793	41.301	1773
1994	3.691	34.972	6.08	14.1	1.07	17.8	3.528	27.812	41.332	1970
2192	3.537	34.972	6.04	15.1	1.15	17.9	3.358	27.829	41.362	2165
2400	3.362	34.964	6.18	16.4	0.87	17.0	3.165	27.841	41.390	2369
2591	3.141	34.957	6.13	18.0	1.10	17.4	2.930	27.857	41.425	2556
2785	2.915	34.945	6.18	18.8	0.85		2.688	27.870	41.456	2746
2991	2.725	34.935	6.10	20.6	1.09	17.3	2.481	27.880	41.483	2948
3485	2.338	34.915	6.10	25.2	0.83		2.051	27.900	41.538	3431
4057	2.184	34.895	6.01	35.2	1.21	18.9	1.838	27.900	41.557	3989

FNDEAVOR R3 STA- 40
DATE 1/ 5/82

LAT= 36 16.7N LON= 72 16.7W

SONIC DEPTH= 3843m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	24.891	36.137	4.91	24.890	24.236	30.495	36.551	0.011	2.40	3
25	24.801	36.171	4.48	24.795	24.291	30.551	36.608	0.091	1.55	25
50	24.805	36.181	4.57	24.795	24.299	30.559	36.616	0.182	1.24	50
75	24.042	36.398	4.38	24.026	24.694	30.967	37.037	0.271	10.06	74
100	20.930	36.281	4.71	20.910	25.495	31.835	37.969	0.343	8.50	99
150	18.538	36.409	3.86	18.512	26.224	32.619	38.804	0.449	4.90	149
200	17.170	36.283	3.63	17.136	26.468	32.897	39.116	0.535	3.73	198
250	15.665	36.101	3.71	15.626	26.681	33.152	39.409	0.612	2.93	248
300	14.495	35.913	3.57	14.450	26.798	33.301	39.591	0.681	3.28	298
350	12.735	35.656	3.48	12.687	26.965	33.521	39.861	0.745	3.62	347
400	10.901	35.400	3.37	10.851	27.115	33.729	40.124	0.801	3.13	397
450	9.499	35.226	3.29	9.448	27.222	33.882	40.322	0.850	2.51	446
500	8.461	35.116	3.34	8.407	27.303	33.999	40.472	0.895	3.09	496
600	6.926	35.101	4.25	6.869	27.517	34.266	40.790	0.969	2.39	595
700	5.552	35.033	4.99	5.492	27.643	34.443	41.015	1.028	1.68	694
800	4.930	35.011	5.41	4.864	27.700	34.523	41.118	1.079	1.17	793
900	4.731	35.012	5.56	4.658	27.725	34.556	41.158	1.126	0.90	891
1000	4.525	35.005	5.70	4.445	27.742	34.582	41.192	1.173	0.74	990
1200	4.251	34.994	5.86	4.155	27.765	34.616	41.237	1.264	0.63	1188
1400	4.012	34.982	5.99	3.900	27.783	34.643	41.274	1.354	0.62	1385
1600	3.847	34.978	6.04	3.719	27.798	34.665	41.303	1.444	0.56	1582
1800	3.709	34.978	6.06	3.565	27.813	34.687	41.330	1.534	0.63	1779
2000	3.543	34.977	6.07	3.382	27.830	34.711	41.362	1.623	0.63	1976
2200	3.357	34.968	6.09	3.180	27.842	34.732	41.390	1.711	0.59	2172
2400	3.184	34.950	6.10	2.990	27.854	34.751	41.417	1.798	0.59	2369
2600	2.978	34.950	6.14	2.769	27.866	34.772	41.446	1.884	0.65	2565
2800	2.794	34.940	6.18	2.568	27.876	34.791	41.473	1.968	0.63	2761
3000	2.576	34.928	6.22	2.334	27.887	34.811	41.502	2.050	0.63	2957
3500	2.254	34.906	6.18	1.968	27.899	34.839	41.545	2.249	0.41	3446
3889	2.193	34.896	6.03	1.866	27.899	34.843	41.553	2.405	0.19	3825

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
19	24.851	36.170	4.76	1.0	0.10		24.847	24.274	36.590	18
83	23.130	36.440	4.30	1.4	0.12	1.8	23.113	24.995	37.374	82
164	18.679	36.468	3.59		0.16		18.650	26.235	38.807	162
250	16.275	36.170	3.56		0.41		16.234	26.595	39.290	248
450	9.990	35.286	3.19	14.4		23.9	9.937	27.187	40.254	446
704	5.686	35.033	4.88	13.6		20.3	5.624	27.626	40.989	698
798	5.096	35.019	5.37	12.8		19.3	5.030	27.687	41.093	790
897	4.701	35.007	5.63	12.4	1.06	19.0	4.628	27.724	41.160	889
1003	4.527	35.008	5.78	12.3	0.98	17.9	4.446	27.745	41.194	993
1199	4.177	34.980	5.95	12.3	0.89	17.8	4.082	27.762	41.239	1187
1397	3.994	34.973	6.08	12.4	0.93	17.1	3.883	27.777	41.270	1382
1599	3.848	34.975	6.16	13.2	1.13	17.7	3.721	27.795	41.301	1581
1796	3.703	34.981	6.10	14.2	0.98	17.3	3.559	27.816	41.334	1775
1995	3.551	34.973	6.11	15.3	0.88	17.7	3.401	27.826	41.356	1970
2265	3.311	34.963	6.15	17.0	1.01	17.7	3.128	27.844	41.395	2236
2494	3.090	34.954	6.16	18.6	1.06	17.6	2.888	27.859	41.429	2461
2746	2.836	34.939	6.23	19.6	1.14	17.5	2.615	27.871	41.464	2708
2994	2.570	34.930	6.25	21.0	1.02	17.2	2.330	27.889	41.504	2951
3502	2.244	34.913	6.20	27.3	1.07	17.4	1.957	27.905	41.552	3448
3891	2.193	34.896	6.19	32.9		18.8	1.865	27.899	41.553	3828

ENDEAVOR 83 STA- 41
DATE 2/ 5/82

LAT= 36 35.1N LON= 72 26.8W

SONIC DEPTH= 3584m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	16.833	35.725	6.15	16.833	26.112	32.554	38.786	0.006	0.41	3
25	13.607	35.115	6.85	13.603	26.360	32.895	39.215	0.046	6.32	25
50	12.547	35.060	6.49	12.540	26.532	33.098	39.448	0.086	6.48	50
75	12.041	35.206	6.08	12.031	26.744	33.324	39.687	0.121	3.00	74
100	12.227	35.309	5.93	12.214	26.788	33.352	39.719	0.153	2.27	99
150	12.434	35.474	5.59	12.414	26.878	33.444	39.793	0.215	2.42	149
200	12.147	35.549	4.05	12.120	26.993	33.567	39.924	0.274	3.32	198
250	10.432	35.348	3.45	10.402	27.154	33.783	40.192	0.325	2.92	248
300	8.956	35.196	3.55	8.923	27.285	33.962	40.418	0.370	2.49	298
350	8.054	35.120	3.72	8.018	27.366	34.075	40.561	0.411	2.50	347
400	7.053	35.077	4.20	7.014	27.478	34.222	40.741	0.447	2.87	397
450	6.116	35.041	4.74	6.076	27.576	34.354	40.906	0.477	2.17	446
500	5.656	35.028	5.04	5.613	27.624	34.419	40.987	0.505	1.65	496
600	5.199	35.028	5.36	5.149	27.680	34.493	41.077	0.555	1.29	595
700	4.863	35.019	5.54	4.806	27.713	34.539	41.136	0.602	0.98	694
800	4.593	35.010	5.73	4.529	27.737	34.573	41.180	0.647	0.84	793
900	4.360	34.994	5.87	4.289	27.751	34.596	41.212	0.691	0.74	891
1000	4.238	34.992	5.96	4.160	27.763	34.613	41.234	0.735	0.65	990
1200	4.034	34.985	6.04	3.941	27.780	34.639	41.269	0.821	0.58	1188
1400	3.889	34.982	6.08	3.779	27.795	34.660	41.295	0.908	0.57	1385
1600	3.707	34.976	6.12	3.581	27.810	34.683	41.326	0.995	0.60	1582
1800	3.556	34.975	6.12	3.424	27.825	34.704	41.353	1.081	0.57	1779
2000	3.400	34.970	6.13	3.241	27.839	34.726	41.381	1.167	0.66	1976
2200	3.196	34.961	6.13	3.022	27.852	34.748	41.412	1.251	0.61	2172
2400	3.005	34.953	6.16	2.814	27.865	34.769	41.441	1.335	0.65	2369
2600	2.815	34.943	6.18	2.608	27.875	34.788	41.468	1.417	0.62	2565
2800	2.622	34.933	6.21	2.400	27.885	34.806	41.495	1.497	0.60	2761
3000	2.480	34.924	6.26	2.241	27.891	34.819	41.514	1.576	0.59	2957
3500	2.177	34.901	6.14	1.893	27.901	34.843	41.552	1.768	0.36	3446
3629	2.166	34.898	6.04	1.868	27.900	34.844	41.554	1.819	0.16	3572

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
11	14.729	35.424	6.04				14.727	26.360	39.148	11
100	12.611	35.421	5.52				12.598	26.800	39.706	99
201	11.785	35.511	3.49				11.759	27.033	39.985	200
298	9.130	35.205	3.35				9.097	27.264	40.386	296
401	6.829	35.066	4.20				6.791	27.500	40.779	397
599	5.178	35.039	5.32				5.128	27.691	41.090	594
800	4.457	34.995	5.80				4.395	27.740	41.194	792
998	4.233	34.993	5.93				4.155	27.764	41.236	988
1190	4.066	34.988	6.04				3.972	27.780	41.265	1177
1394	3.865	34.981	6.07				3.756	27.796	41.299	1370
1593	3.688	34.978	6.13				3.563	27.814	41.331	1575
1796	3.537	34.975	6.14				3.396	27.828	41.358	1775
1996	3.359	34.966	6.12				3.201	27.839	41.385	1977
2198	3.177	34.958	6.12				3.003	27.851	41.413	2170
2401	3.004	34.951	6.17				2.813	27.863	41.440	2369
2597	2.814	34.940	6.21				2.608	27.873	41.466	2567
2797	2.635	34.931	6.23				2.413	27.882	41.491	2758
3000	2.478	34.922	6.28				2.239	27.890	41.513	2957
3472	2.175	34.899	6.18				1.894	27.899	41.551	3419
3632	2.166	34.899	6.14				1.868	27.901	41.555	3575

ENDEAVOR 83 STA- 42
DATE 2/ 5/82

LAT= 36 53.8N LON= 72 32.9W

SONIC DEPTH= 3294m

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
5	13.742	35.240	6.57	13.741	26.428	32.958	39.273	0.008	5.14	5
25	13.174	35.236	6.59	13.171	26.542	33.089	39.419	0.039	2.85	25
50	13.002	35.339	6.19	12.995	26.657	33.208	39.542	0.075	5.97	50
75	12.886	35.543	5.54	12.876	26.839	33.391	39.727	0.107	3.04	74
100	12.991	35.655	5.36	12.977	26.905	33.453	39.785	0.137	2.74	99
150	10.931	35.425	3.72	10.913	27.123	33.735	40.128	0.192	4.18	149
200	9.057	35.194	3.38	9.035	27.265	33.939	40.392	0.237	2.99	198
250	7.818	35.120	3.84	7.793	27.399	34.116	40.609	0.275	2.77	248
300	6.786	35.069	4.30	6.758	27.507	34.261	40.789	0.308	2.20	298
350	6.044	35.034	4.73	6.013	27.578	34.359	40.913	0.338	2.00	347
400	5.501	35.004	5.05	5.467	27.623	34.423	40.997	0.364	1.68	397
450	5.194	35.004	5.29	5.157	27.660	34.472	41.057	0.389	1.41	446
500	4.975	34.998	5.46	4.935	27.682	34.502	41.095	0.413	1.13	496
600	4.667	34.988	5.67	4.620	27.709	34.542	41.146	0.458	0.96	595
700	4.621	35.013	5.71	4.565	27.736	34.570	41.176	0.502	0.79	694
800	4.395	34.998	5.85	4.332	27.750	34.593	41.208	0.546	0.70	793
900	4.283	34.993	5.92	4.213	27.758	34.606	41.225	0.588	0.62	891
1000	4.175	34.993	5.98	4.097	27.770	34.623	41.246	0.631	0.62	990
1200	3.989	34.986	6.06	3.896	27.786	34.647	41.277	0.716	0.56	1188
1400	3.831	34.979	6.11	3.722	27.798	34.656	41.303	0.802	0.53	1385
1600	3.690	34.977	6.13	3.565	27.812	34.686	41.329	0.888	0.57	1582
1800	3.535	34.975	6.13	3.393	27.828	34.709	41.359	0.973	0.63	1779
2000	3.344	34.968	6.14	3.186	27.843	34.732	41.389	1.058	0.61	1976
2200	3.184	34.963	6.14	3.009	27.855	34.751	41.415	1.142	0.59	2172
2400	3.001	34.953	6.17	2.811	27.865	34.759	41.442	1.225	0.64	2369
2600	2.815	34.943	6.20	2.609	27.875	34.788	41.468	1.306	0.61	2565
2800	2.621	34.933	6.24	2.399	27.885	34.806	41.495	1.387	0.64	2761
3000	2.411	34.921	6.28	2.173	27.894	34.825	41.523	1.465	0.56	2957
3335	2.197	34.904	6.06	1.930	27.900	34.841	41.549	1.593	0.49	3284

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
2	14.245	35.239	6.44	1.1	0.22	1.1	14.245	26.321	39.138	2
102	13.162	35.768	5.22	3.5	0.51	9.8	13.147	26.959	39.827	102
203	9.196	35.215	3.34	15.1	1.49	24.1	9.174	27.259	40.376	201
298	6.700	35.048	4.28	14.6	1.49	23.6	6.672	27.502	40.790	295
400	5.537	35.008	4.98	13.4	1.36	21.1	5.503	27.622	40.993	397
502	4.939	34.990	5.49	12.6	1.31	20.0	4.899	27.679	41.096	497
697	4.663	35.013	5.68	12.5	1.26	19.1	4.608	27.731	41.168	691
894	4.214	34.979	5.98	12.1	1.22	18.6	4.145	27.754	41.227	885
1098	4.050	34.983	6.05	12.5	1.21	18.5	3.965	27.776	41.263	1086
1298	3.855	34.970	6.10	12.8	1.21	18.2	3.754	27.788	41.291	1284
1498	3.708	34.972	6.13	13.8	1.22	18.1	3.592	27.806	41.321	1482
1706	3.548	34.970	6.09	15.0	1.23	18.1	3.415	27.822	41.351	1686
1899	3.425	34.965	6.13				3.275	27.831	41.371	1876
2094	3.265	34.963	6.18	17.5	1.23	18.1	3.099	27.846	41.400	2068
2299	3.077	34.952	6.18	18.4	1.23	18.0	2.895	27.857	41.427	2270
2491	2.897	34.943	6.09	19.5	1.21	17.8	2.700	27.867	41.453	2457
2695	2.717	34.936	6.24	20.2	1.22	17.9	2.504	27.879	41.480	2658
2896	2.526	34.927	6.28	21.1	1.21	17.5	2.296	27.889	41.507	2855
3095	2.349	34.911	6.23	23.8	1.22	17.6	2.102	27.892	41.527	3050
3338	2.194	34.903	6.24	29.5	1.31	18.2	1.926	27.900	41.549	3287

ENDEAVOR 83 STA- 43
DATE 2/ 5/82

LAT= 37 12.3N LON= 72 42.0W

SONIC DEPTH= 3045m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	11.901	33.924	7.97	11.900	25.772	32.370	38.749	0.007	9.46	3
25	13.934	35.212	6.66	13.930	26.367	32.892	39.202	0.049	5.79	25
50	10.674	34.741	6.63	10.668	26.634	33.261	39.668	0.088	5.39	50
75	11.719	35.163	5.92	11.710	26.772	33.362	39.734	0.121	3.62	74
100	12.052	35.334	5.77	12.038	26.842	33.421	39.782	0.152	1.69	99
150	12.231	35.556	4.24	12.211	26.981	33.552	39.906	0.211	3.65	149
200	10.499	35.354	3.48	10.475	27.146	33.772	40.179	0.263	3.11	198
250	9.003	35.199	3.49	8.976	27.278	33.954	40.409	0.307	2.73	248
300	7.945	35.118	3.74	7.914	27.379	34.092	40.581	0.347	2.47	298
350	7.051	35.079	4.18	7.017	27.479	34.223	40.742	0.382	2.31	347
400	6.276	35.048	4.58	6.240	27.560	34.332	40.878	0.413	2.24	397
450	5.640	35.025	4.98	5.602	27.623	34.419	40.988	0.441	1.94	446
500	5.365	35.016	5.19	5.323	27.650	34.456	41.035	0.466	1.49	496
600	4.874	35.008	5.55	4.826	27.702	34.527	41.123	0.513	1.08	595
700	4.592	34.999	5.75	4.537	27.727	34.563	41.170	0.558	0.86	694
800	4.348	34.985	5.91	4.285	27.744	34.590	41.206	0.602	0.78	793
900	4.225	34.982	5.98	4.156	27.755	34.606	41.227	0.645	0.61	891
1000	4.167	34.987	6.00	4.089	27.767	34.620	41.244	0.688	0.61	990
1200	3.950	34.975	6.10	3.857	27.781	34.643	41.276	0.774	0.59	1188
1400	3.813	34.976	6.13	3.704	27.798	34.666	41.305	0.859	0.54	1385
1600	3.707	34.977	6.12	3.581	27.811	34.684	41.327	0.946	0.53	1582
1800	3.583	34.976	6.12	3.440	27.824	34.702	41.351	1.032	0.56	1779
2000	3.424	34.971	6.14	3.265	27.837	34.723	41.377	1.118	0.57	1976
2200	3.248	34.963	6.15	3.073	27.849	34.743	41.405	1.204	0.58	2172
2400	3.072	34.955	6.16	2.881	27.860	34.762	41.431	1.289	0.63	2369
2600	2.905	34.946	6.19	2.697	27.869	34.778	41.455	1.373	0.59	2565
2800	2.715	34.935	6.23	2.490	27.879	34.797	41.482	1.455	0.62	2761
3000	2.530	34.925	6.23	2.289	27.888	34.814	41.507	1.536	0.65	2957
3077	2.438	34.920	6.20	2.191	27.892	34.822	41.519	1.567	0.56	3032

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	NE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
12	12.059	33.930	7.13				12.058	25.748	38.715	12
103	12.032	35.310	5.43				12.019	26.827	39.768	102
202	10.424	35.347	3.73				10.400	27.154	40.192	200
302	7.712	35.100	3.46				7.682	27.400	40.618	299
401	6.138	35.037	4.59				6.103	27.569	40.897	398
499	5.308	35.007	5.14				5.266	27.649	41.039	494
600	4.844	34.998	5.51				4.796	27.698	41.121	595
799	4.435	34.988	5.83				4.373	27.737	41.192	791
994	4.141	34.972	5.93				4.064	27.757	41.236	984
1192	3.976	34.967	6.05				3.883	27.772	41.265	1180
1393	3.849	34.969	6.19				3.740	27.788	41.292	1378
1592	3.728	34.969	6.18				3.603	27.802	41.317	1574
1794	3.596	34.969	6.08				3.453	27.817	41.343	1773
1985	3.430	34.966	6.08				3.273	27.832	41.373	1961
2192	3.237	34.966	6.13				3.063	27.852	41.409	2165
2394	3.079	34.948	6.16				2.888	27.854	41.425	2362
2592	2.912	34.941	6.10				2.705	27.865	41.450	2557
2791	2.722	34.932	6.19				2.498	27.876	41.478	2752
2989	2.534	34.922	6.31				2.294	27.885	41.504	2946
3080	2.439	34.919	6.24				2.191	27.891	41.518	3035

ENDEAVOR 83 STA- 44
DATE 3/ 5/82

LAT= 37 30.7N LON= 72 49.2W

SONIC DEPTH= 2874m

PR	T	S	O2	A	SIG-0	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	10.655	33.621	7.30	10.654	25.763	32.402	38.822	0.007	8.43	3
25	9.326	33.797	7.55	9.324	26.125	32.805	39.263	0.051	7.80	25
50	10.075	34.498	6.30	10.069	26.549	33.197	39.625	0.092	4.99	50
75	10.688	34.789	5.92	10.679	26.669	33.295	39.701	0.127	3.09	74
100	11.677	35.138	5.67	11.665	26.761	33.353	39.727	0.161	3.26	99
150	12.449	35.467	5.23	12.429	26.870	33.435	39.784	0.223	2.72	149
200	11.843	35.515	3.92	11.817	27.025	33.608	39.974	0.281	3.20	198
250	9.963	35.281	3.36	9.934	27.183	33.827	40.251	0.331	3.19	248
300	8.688	35.174	3.53	8.656	27.310	33.997	40.461	0.375	2.91	298
350	7.300	35.086	4.03	7.266	27.449	34.185	40.696	0.412	2.69	347
400	6.310	35.039	4.57	6.274	27.548	34.319	40.865	0.444	2.36	397
450	5.743	35.023	4.95	5.704	27.609	34.401	40.966	0.473	1.87	446
500	5.161	34.995	5.33	5.120	27.657	34.471	41.057	0.498	1.50	496
600	4.720	34.977	5.63	4.672	27.695	34.526	41.129	0.545	0.98	595
700	4.536	34.972	5.75	4.481	27.712	34.550	41.160	0.591	0.75	694
800	4.385	34.971	5.86	4.322	27.729	34.573	41.188	0.636	0.77	793
900	4.287	34.972	5.93	4.217	27.741	34.589	41.209	0.681	0.68	891
1000	4.182	34.970	6.00	4.104	27.752	34.605	41.228	0.725	0.60	990
1200	4.017	34.970	6.12	3.924	27.770	34.630	41.260	0.814	0.60	1188
1400	3.897	34.970	6.14	3.786	27.785	34.650	41.285	0.902	0.51	1385
1600	3.810	34.974	6.15	3.683	27.799	34.668	41.307	0.991	0.49	1582
1800	3.644	34.978	6.14	3.501	27.820	34.696	41.342	1.081	0.81	1779
2000	3.455	34.971	6.16	3.295	27.834	34.719	41.373	1.168	0.60	1976
2200	3.277	34.964	6.16	3.101	27.847	34.739	41.400	1.254	0.57	2172
2400	3.103	34.956	6.19	2.911	27.858	34.758	41.427	1.340	0.63	2360
2600	2.912	34.945	6.22	2.704	27.869	34.777	41.454	1.424	0.64	2565
2800	2.684	34.933	6.30	2.460	27.880	34.799	41.485	1.507	0.76	2761
2893	2.500	34.923	6.17	2.271	27.888	34.814	41.508	1.544	0.95	2852

PR	T	S	O2	SIL	PHOS	NO3	A	SIG-0	SIG-3	NE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
10	9.421	33.682	7.57				9.420	26.019	39.154	10
104	12.003	35.250	5.63				11.989	26.786	39.730	103
202	11.703	35.500	3.66				11.677	27.040	39.997	200
300	8.442	35.153	3.55				8.411	27.332	40.500	298
399	6.181	35.032	4.55				6.146	27.559	40.885	395
500	5.022	34.983	5.36				4.982	27.664	41.074	496
601	4.675	34.971	5.61				4.627	27.695	41.132	596
697	4.522	34.967	5.88				4.467	27.710	41.159	690
800	4.380	34.967	5.85				4.318	27.726	41.186	793
900	4.290	34.970	5.92				4.220	27.739	41.207	891
1096	4.105	34.965	6.02				4.020	27.756	41.239	1085
1299	3.965	34.962	6.14				3.863	27.770	41.265	1285
1498	3.872	34.967	6.14				3.753	27.786	41.289	1482
1690	3.797	34.971	6.14				3.662	27.798	41.308	1671
1896	3.587	34.974	6.12				3.435	27.823	41.350	1874
2096	3.380	34.967	6.09				3.213	27.839	41.384	2070
2295	3.210	34.958	6.18				3.026	27.849	41.409	2266
2491	3.017	34.946	6.16				2.817	27.859	41.435	2458
2690	2.825	34.936	6.23				2.610	27.869	41.462	2653
2896	2.500	34.923	6.22				2.271	27.888	41.508	2854

ENDEAVOR 83 STA- 45
DATE 3/ 5/82

LAT= 37 49.9N LON= 72 56.0W

SONIC DEPTH= 2674m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
1	11.059	33.826	6.82	11.059	25.851	32.476	38.881	0.002	7.22	1
25	11.668	34.777	6.47	11.665	26.480	33.075	39.453	0.048	9.34	25
50	11.801	35.126	5.91	11.794	26.727	33.315	39.685	0.082	3.76	50
75	13.126	35.554	5.60	13.116	26.799	33.344	39.673	0.115	2.64	74
100	13.652	35.727	5.50	13.638	26.826	33.354	39.667	0.146	1.38	99
150	13.098	35.654	5.18	13.077	26.885	33.430	39.759	0.207	3.18	149
200	11.372	35.469	3.64	11.347	27.078	33.676	40.055	0.263	3.34	198
250	9.780	35.271	3.39	9.752	27.207	33.857	40.286	0.311	2.46	248
300	8.576	35.151	3.45	8.544	27.310	34.001	40.469	0.354	2.52	298
350	7.851	35.115	3.80	7.815	27.392	34.108	40.600	0.393	2.48	347
400	6.940	35.063	4.23	6.903	27.482	34.230	40.754	0.428	2.67	397
450	6.205	35.052	4.68	6.165	27.573	34.348	40.896	0.459	2.19	446
500	5.523	35.022	5.13	5.480	27.635	34.435	41.008	0.486	1.51	496
600	4.878	34.998	5.57	4.830	27.693	34.518	41.114	0.535	1.30	595
700	4.622	34.996	5.77	4.567	27.722	34.557	41.163	0.580	0.89	694
800	4.483	35.000	5.83	4.420	27.741	34.582	41.193	0.624	0.79	792
900	4.324	34.995	5.92	4.253	27.755	34.602	41.219	0.668	0.68	891
1000	4.206	34.989	6.00	4.128	27.764	34.616	41.238	0.711	0.61	990
1200	4.013	34.979	6.09	3.919	27.778	34.638	41.268	0.798	0.55	1188
1400	3.900	34.983	6.11	3.790	27.795	34.660	41.295	0.884	0.54	1385
1600	3.749	34.978	6.13	3.622	27.807	34.679	41.320	0.971	0.58	1582
1800	3.591	34.975	6.14	3.448	27.823	34.701	41.349	1.058	0.56	1779
2000	3.431	34.971	6.15	3.272	27.836	34.722	41.376	1.145	0.58	1976
2200	3.273	34.964	6.16	3.098	27.847	34.740	41.401	1.231	0.60	2172
2400	3.091	34.956	6.18	2.899	27.859	34.760	41.429	1.316	0.65	2369
2600	2.843	34.942	6.25	2.636	27.872	34.783	41.463	1.400	0.70	2565
2691	2.742	34.937	6.15	2.528	27.877	34.793	41.477	1.437	0.60	2654

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
4	11.043	33.926	7.04				11.043	25.932	38.960	4
103	13.657	35.721	5.40				13.643	26.820	39.661	103
205	11.001	35.426	3.39				10.975	27.112	40.113	203
294	8.617	35.165	3.39	16.1	1.47	25.3	8.585	27.314	40.470	292
399	6.675	35.043	4.28	14.3	1.37	22.5	6.638	27.503	40.793	396
496	5.441	35.009	5.09	12.6	1.35	19.2	5.399	27.635	41.014	492
589	4.871	34.987	5.49				4.823	27.686	41.108	584
699	4.632	34.990	5.71				4.577	27.716	41.156	693
798	4.484	34.992	5.80	12.6	1.22	18.9	4.421	27.735	41.187	791
893	4.325	34.984	5.90	12.0	1.14	18.6	4.255	27.746	41.211	885
999	4.188	34.979	6.00	12.0	1.14	18.6	4.110	27.758	41.234	989
1097	4.073	34.975	6.04	12.6	1.12	18.7	3.987	27.768	41.253	1086
1297	3.978	34.982	6.08	13.3	1.09	18.7	3.876	27.785	41.278	1284
1496	3.809	34.974	6.10				3.691	27.797	41.305	1480
1698	3.673	34.973	6.14	14.3	1.14	18.2	3.538	27.812	41.331	1678
1894	3.515	34.969	6.13	15.5	1.20	18.5	3.364	27.826	41.359	1872
2095	3.352	34.966	6.14	17.3	1.10	18.9	3.195	27.840	41.386	2069
2311	3.159	34.955	6.16	18.5	1.10	18.9	2.984	27.851	41.414	2281
2497	2.953	34.944	6.20	19.0	1.08	18.8	2.764	27.862	41.443	2463
2694	2.742	34.934	6.26				2.528	27.875	41.474	2656

ENDEAVOR 83 STA- 46
DATE 3/ 5/82

LAT= 38 8.3N LON= 73 4.0W

SONIC DEPTH= 2450m

PR dbar	T Deg C	S o/oo	O2 ml/l	σ Deg C	SIG-θ kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DF m
3	11.104	33.952	6.88	11.104	25.941	32.563	38.965	0.006	6.59	3
25	11.111	34.636	6.61	11.108	26.473	33.087	39.482	0.047	8.96	25
50	12.170	35.224	5.71	12.164	26.732	33.308	39.667	0.081	3.33	50
75	12.767	35.449	5.51	12.756	26.790	33.346	39.686	0.113	1.87	74
100	13.859	35.771	5.34	13.844	26.817	33.339	39.646	0.145	1.06	99
150	12.844	35.565	5.24	12.824	26.867	33.420	39.757	0.207	2.86	149
200	12.242	35.584	4.11	12.215	27.001	33.572	39.926	0.265	3.11	198
250	10.625	35.375	3.42	10.595	27.141	33.763	40.166	0.317	2.72	248
300	9.376	35.222	3.63	9.342	27.236	33.900	40.343	0.363	2.53	298
350	8.217	35.137	3.64	8.181	27.354	34.058	40.538	0.405	2.80	347
400	7.368	35.093	4.04	7.328	27.446	34.179	40.688	0.442	2.24	397
450	6.451	35.053	4.48	6.410	27.542	34.308	40.848	0.475	2.49	446
500	5.809	35.029	4.88	5.766	27.606	34.395	40.958	0.504	1.88	496
600	5.014	35.008	5.45	4.965	27.686	34.505	41.097	0.554	1.23	595
700	4.813	35.016	5.60	4.757	27.716	34.543	41.142	0.601	0.98	694
800	4.601	35.008	5.73	4.537	27.735	34.571	41.178	0.646	0.76	792
900	4.441	35.002	5.83	4.370	27.749	34.591	41.204	0.690	0.68	891
1000	4.307	34.992	5.93	4.228	27.756	34.604	41.222	0.734	0.68	990
1200	4.095	34.986	6.04	4.001	27.775	34.631	41.258	0.822	0.57	1188
1400	3.963	34.983	6.09	3.852	27.788	34.651	41.283	0.911	0.61	1385
1600	3.812	34.976	6.12	3.685	27.800	34.669	41.308	0.999	0.53	1582
1800	3.695	34.972	6.14	3.551	27.810	34.684	41.328	1.088	0.51	1779
2000	3.518	34.968	6.14	3.357	27.826	34.708	41.359	1.178	0.66	1976
2200	3.286	34.959	6.16	3.110	27.843	34.735	41.396	1.266	0.67	2172
2400	3.096	34.950	6.19	2.904	27.854	34.755	41.424	1.352	0.66	2368
2463	3.064	34.953	6.03	2.867	27.860	34.762	41.432	1.379	0.84	2430

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	DF m
10	10.280	33.893	7.02				10.279	26.040	39.116	10
101	13.692	35.654	5.45				13.678	26.761	39.602	100
198	12.328	35.575	4.26				12.301	26.978	39.898	196
299	9.348	35.215	3.50				9.314	27.236	40.344	297
401	7.138	35.083	4.08				7.100	27.471	40.728	398
500	5.792	35.028	4.81				5.749	27.607	40.961	496
596	5.043	35.004	5.28				4.995	27.679	41.088	591
697	4.833	35.013	5.55				4.776	27.712	41.136	690
796	4.588	35.004	5.66				4.525	27.733	41.177	788
897	4.479	35.004	5.82				4.408	27.746	41.198	888
995	4.329	34.990	5.68				4.250	27.752	41.216	985
1195	4.079	34.986	5.95				3.985	27.777	41.262	1182
1395	3.968	34.983	5.90				3.858	27.788	41.282	1380
1595	3.900	34.973	6.16				3.673	27.798	41.307	1577
1793	3.696	34.975	6.11				3.553	27.812	41.330	1771
1984	3.528	34.976	6.11				3.369	27.831	41.364	1959
2192	3.304	34.963	6.11				3.129	27.844	41.395	2164
2466	3.063	34.951	6.15				2.865	27.859	41.431	2433

ENDEAVOR 83 STA- 47
DATE 3/ 5/82

LAT= 38 27.3N LON= 73 11.0W

SONIC DEPTH= 1580m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
1	12.158	34.444	6.89	12.158	26.127	32.712	39.078	0.002	6.06	1
25	12.115	34.934	6.73	12.112	26.517	33.098	39.461	0.042	6.03	25
50	13.447	35.597	5.71	13.440	26.766	33.301	39.621	0.077	4.51	50
75	13.531	35.659	5.60	13.520	26.798	33.330	39.647	0.109	1.41	74
100	13.547	35.674	5.55	13.533	26.807	33.338	39.655	0.140	1.22	99
150	13.864	35.788	5.37	13.842	26.831	33.352	39.659	0.203	2.03	149
200	12.779	35.643	4.56	12.752	26.941	33.496	39.834	0.264	2.84	198
250	11.228	35.445	3.55	11.197	27.087	33.690	40.074	0.319	3.23	248
300	9.712	35.272	3.41	9.678	27.219	33.872	40.304	0.367	2.47	298
350	8.520	35.159	3.55	8.483	27.325	34.018	40.488	0.411	2.85	347
400	7.677	35.112	3.87	7.637	27.416	34.138	40.637	0.449	2.09	397
450	6.433	35.056	4.46	6.392	27.546	34.313	40.854	0.483	3.15	446
500	5.839	35.034	4.88	5.796	27.606	34.395	40.956	0.511	1.23	496
600	5.327	35.009	5.17	5.277	27.650	34.458	41.038	0.565	1.36	595
700	4.900	34.998	5.51	4.843	27.692	34.516	41.112	0.615	1.10	694
800	4.646	34.990	5.58	4.582	27.716	34.550	41.156	0.661	0.50	792
900	4.535	34.986	5.75	4.463	27.725	34.564	41.174	0.708	0.66	891
1000	4.408	34.981	5.82	4.329	27.736	34.580	41.195	0.755	0.63	990
1200	4.270	34.981	5.93	4.174	27.753	34.603	41.224	0.847	0.66	1188
1400	4.126	34.975	6.02	4.013	27.765	34.622	41.248	0.940	0.38	1385
1589	4.068	34.976	5.87	3.939	27.773	34.633	41.262	1.030	0.50	1571

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
9	12.090	34.609	6.69				12.089	26.269	39.221	8
101	13.549	35.668	5.44				13.535	26.802	39.650	100
201	12.817	35.649	4.36				12.790	26.939	39.829	199
300	9.673	35.256	3.30				9.639	27.214	40.301	298
400	7.547	35.096	3.89				7.507	27.423	40.652	396
600	5.296	35.002	5.20				5.246	27.648	41.039	594
699	4.953	34.989	5.44				4.896	27.679	41.095	692
800	4.638	34.983	5.63				4.574	27.711	41.151	792
900	4.554	34.977	5.69				4.482	27.716	41.164	892
998	4.410	34.977	5.78				4.331	27.733	41.192	988
1099	4.374	34.973	5.85				4.286	27.734	41.197	1088
1199	4.302	34.976	5.89				4.206	27.745	41.214	1186
1297	4.165	34.969	6.02				4.061	27.755	41.235	1287
1399	4.137	34.970	6.02				4.025	27.760	41.242	1384
1591	4.071	34.968	6.10				3.941	27.767	41.256	1573

ENDEAVOR 83 STA- 48
DATE 5/ 5/82

LAT= 38 49.8N LON= 71 37.5W

SONIC DEPTH= 2626m

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 cob	NE m
3	15.893	36.304	5.92	15.892	26.777	33.238	39.487	0.004	-1.03	3
25	15.850	36.301	5.48	15.846	26.785	33.248	39.498	0.032	1.86	25
50	15.786	36.298	5.35	15.778	26.799	33.263	39.515	0.063	0.58	50
75	15.781	36.298	5.33	15.769	26.800	33.265	39.517	0.094	0.32	74
100	15.776	36.297	5.32	15.761	26.802	33.266	39.519	0.126	0.25	99
150	15.782	36.297	5.31	15.759	26.802	33.267	39.519	0.190	0.15	149
200	15.790	36.297	5.32	15.758	26.802	33.267	39.520	0.255	0.15	198
250	15.792	36.296	5.32	15.752	26.803	33.268	39.520	0.321	0.15	248
300	15.791	36.294	5.31	15.744	26.803	33.268	39.521	0.387	0.25	298
350	15.699	36.265	5.31	15.644	26.804	33.272	39.528	0.454	0.40	347
400	15.184	36.125	5.32	15.122	26.814	33.297	39.567	0.522	1.34	397
450	13.166	35.752	3.91	13.103	26.955	33.498	39.826	0.589	3.95	446
500	11.467	35.500	3.68	11.402	27.092	33.688	40.066	0.646	2.76	496
600	9.414	35.258	3.58	9.345	27.264	33.928	40.370	0.747	2.59	595
700	6.886	35.075	4.35	6.818	27.504	34.255	40.781	0.828	2.92	694
800	5.753	35.030	4.98	5.682	27.617	34.410	40.975	0.890	1.70	792
900	5.027	35.012	5.47	4.952	27.690	34.510	41.102	0.944	1.36	891
1000	4.714	34.999	5.69	4.632	27.717	34.549	41.153	0.993	0.95	990
1200	4.370	34.990	5.91	4.274	27.749	34.596	41.212	1.088	0.67	1188
1400	4.136	34.978	6.05	4.023	27.757	34.623	41.249	1.182	0.58	1385
1600	3.986	34.975	6.12	3.857	27.781	34.644	41.276	1.276	0.58	1582
1800	3.880	34.974	6.14	3.733	27.793	34.661	41.298	1.370	0.53	1779
2000	3.744	34.976	6.14	3.580	27.811	34.684	41.327	1.465	0.64	1975
2200	3.600	34.974	6.15	3.419	27.824	34.704	41.353	1.558	0.59	2172
2400	3.356	34.964	6.17	3.159	27.841	34.731	41.390	1.651	0.81	2368
2600	2.757	34.939	6.13	2.562	27.876	34.790	41.472	1.738	1.31	2564
2633	2.476	34.923	6.13	2.273	27.888	34.815	41.508	1.751	2.11	2597

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	NE m
20	15.845	36.298	5.63	2.3	0.32	4.9	15.842	26.784	39.497	20
103	15.779	36.291	5.61	2.6	0.35	5.6	15.763	26.797	39.514	102
202	15.785	36.298	5.34	2.6	0.28	6.2	15.753	26.797	39.514	200
299	15.792	36.286	5.35	2.4	0.30	6.2	15.744	26.797	39.515	297
399	15.233	36.154	5.24	2.8	0.21	5.5	15.171	26.825	39.575	395
498	11.798	35.547	3.64	9.8	0.75	18.1	11.732	27.066	40.019	494
595	9.185	35.230	3.62	14.4		23.9	9.118	27.280	40.400	590
697	6.859	35.072	4.24	14.3	1.28	22.9	6.792	27.505	40.784	690
797	5.650	35.023	5.07	13.7	1.21	21.6	5.581	27.624	40.990	790
897	5.036	35.008	5.43	13.0	1.05	19.9	4.961	27.686	41.098	898
997	4.701	35.000	5.72	12.5	1.02	19.5	4.619	27.719	41.156	987
1095	4.495	34.991	5.87	12.2	1.28	18.9	4.406	27.736	41.189	1084
1295	4.280	34.987	5.90	12.3	0.87	18.2	4.176	27.757	41.228	1281
1495	4.051	34.974	6.08	12.1	1.21	18.5	3.941	27.772	41.260	1479
1696	3.924	34.971	6.12	12.8	0.90	17.9	3.786	27.785	41.286	1676
1894	3.810	34.973	6.19	13.6	0.88	17.9	3.655	27.800	41.311	1871
2092	3.672	34.975	6.11				3.501	27.817	41.340	2065
2294	3.515	34.968	5.88	15.7	0.93	18.4	3.326	27.829	41.365	2264
2494	3.203	34.957	6.21				3.000	27.851	41.413	2461
2636	2.392	34.917	6.36				2.191	27.890	41.517	2600

ENDEAVOR 83 STA- 49
DATE 6/ 5/82

LAT= 36 30.9N LON= 70 2.7W

SONIC DEPTH= 4480m

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
5	22.519	36.357	4.34	22.518	25.104	31.408	37.508	0.014	-2.69	5
25	22.544	36.347	4.36	22.539	25.090	31.394	37.494	0.072	1.92	25
50	22.401	36.377	4.37	22.391	25.155	31.462	37.565	0.143	3.26	50
75	22.147	36.455	4.38	22.132	25.289	31.601	37.708	0.213	6.25	75
100	21.172	36.511	4.44	21.153	25.604	31.937	38.064	0.276	5.89	99
150	19.749	36.583	4.65	19.721	26.045	32.409	38.566	0.385	4.83	149
200	18.825	36.577	4.69	18.789	26.282	32.668	38.846	0.479	2.65	198
250	18.427	36.561	4.70	18.383	26.373	32.769	38.956	0.567	2.21	248
300	18.158	36.545	4.64	18.106	26.430	32.833	39.027	0.653	1.69	298
350	17.968	36.528	4.60	17.907	26.467	32.875	39.074	0.738	1.45	347
400	17.769	36.500	4.56	17.700	26.497	32.910	39.114	0.822	1.41	397
450	17.576	36.470	4.51	17.499	26.523	32.942	39.150	0.905	1.24	446
500	17.336	36.428	4.48	17.251	26.551	32.976	39.191	0.989	1.80	496
600	16.007	36.185	4.02	15.911	26.681	33.143	39.392	1.150	2.43	595
700	13.912	35.842	3.94	13.808	26.879	33.401	39.709	1.297	2.67	694
800	11.461	35.491	3.65	11.357	27.093	33.690	40.069	1.425	2.85	793
900	9.280	35.237	3.52	9.176	27.276	33.945	40.393	1.532	2.51	891
1000	7.145	35.107	4.23	7.044	27.497	34.240	40.758	1.620	2.62	990
1200	5.307	35.045	5.26	5.202	27.687	34.498	41.080	1.746	1.42	1188
1400	4.541	34.998	5.74	4.424	27.739	34.579	41.191	1.851	0.81	1385
1600	4.259	34.992	5.91	4.126	27.767	34.619	41.241	1.951	0.69	1582
1800	4.017	34.977	6.01	3.868	27.782	34.644	41.276	2.049	0.62	1779
2000	3.888	34.976	6.04	3.722	27.796	34.664	41.301	2.147	0.62	1976
2200	3.729	34.976	6.03	3.546	27.813	34.688	41.332	2.244	0.65	2172
2400	3.587	34.976	6.06	3.386	27.829	34.710	41.360	2.341	0.62	2369
2600	3.404	34.968	6.08	3.187	27.842	34.731	41.389	2.436	0.66	2565
2800	3.200	34.958	6.11	2.966	27.855	34.753	41.419	2.530	0.65	2761
3000	3.011	34.949	6.11	2.760	27.866	34.772	41.447	2.622	0.66	2957
3500	2.548	34.924	6.20	2.255	27.890	34.818	41.512	2.843	0.60	3446
4000	2.312	34.906	6.16	1.969	27.899	34.838	41.544	3.056	0.39	3934
4500	2.238	34.893	6.04	1.838	27.898	34.843	41.555	3.273	0.23	4420
4523	2.240	34.892	6.03	1.838	27.898	34.843	41.555	3.284	-0.17	4443

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
12	22.588	36.350	5.05	0.1	0.08		22.585	25.079	37.481	12
101	21.069	36.501	5.01	0.2	0.07		21.050	25.625	38.089	101
200	18.786	36.576	5.04	0.7	0.09	1.5	18.750	26.292	38.857	199
303	18.160	36.538	4.66	1.2	0.17	3.4	18.107	26.425	39.022	300
399	17.805	36.494	4.52	1.4	0.16	4.2	17.736	26.483	39.099	396
599	15.871	36.172	4.01	3.5	0.45		15.775	26.702	39.421	593
791	11.543			10.3	1.04	20.2				784
1000	7.096	35.095	4.21	15.0	1.43	23.2	6.996	27.494	40.759	991
1197	5.209	35.035	5.36	13.1	1.30	20.1	5.105	27.691	41.091	1184
1395	4.529	35.001	5.77	12.2	0.95	17.9	4.412	27.743	41.195	1380
1595	4.258	34.992	5.85	12.3	0.92	17.8	4.126	27.767	41.241	1577
1800	4.025	34.975	6.12	12.5	1.18	18.1	3.877	27.779	41.273	1779
1993	3.874	34.972	6.03	13.2	1.13	17.6	3.709	27.794	41.300	1969
2242	3.689	34.976	6.18	14.3	1.04	17.9	3.502	27.818	41.340	2213
2501	3.486	34.982	6.11	16.1	1.03	17.6	3.277	27.845	41.384	2468
2991	3.017	34.948	6.13	19.3	1.11	17.7	2.767	27.865	41.445	2948
3497	2.566	34.925	6.22	21.8	1.11	18.0	2.272	27.889	41.510	3497
3991	2.316	34.907	6.18	27.0	1.13	17.7	1.974	27.899	41.544	3925
4298	2.244	34.897	6.20	32.8	1.12	19.0	1.869	27.900	41.553	4223
4527	2.240	34.891	6.24	35.4	1.16	19.4	1.838	27.897	41.554	4446

ENDEAVOR R3 STA- 50
DATE 6/ 5/82

LAT= 37 0.9N LON= 69 58.5W

SONIC DEPTH= 4340m

PR	T	S	O2	A	SIG-0	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deq C	o/oo	ml/l	Deq C	kg/m3	kg/m3	kg/m3	m	cdh	m
3	24.308	36.268	5.34	24.307	24.512	30.791	36.847	0.010	-2.06	3
25	24.339	36.259	4.95	24.334	24.497	30.765	36.831	0.086	-0.26	25
50	24.336	36.256	4.87	24.326	24.497	30.756	36.831	0.172	0.86	50
75	23.701	36.259	4.85	23.685	24.690	30.971	37.049	0.257	7.28	74
100	23.281	36.707	4.06	23.260	25.154	31.441	37.523	0.334	6.57	99
150	21.417	36.743	4.07	21.387	25.716	32.042	38.162	0.463	5.35	140
200	20.227	36.684	4.00	20.189	25.998	32.350	38.496	0.573	3.47	198
250	19.326	36.613	4.19	19.281	26.183	32.557	38.724	0.674	3.75	248
300	18.582	36.569	4.59	18.529	26.342	32.735	38.919	0.766	2.63	298
350	18.171	36.530	4.52	18.110	26.418	32.821	39.015	0.854	2.05	347
400	17.852	36.500	4.63	17.783	26.476	32.887	39.089	0.939	1.58	397
450	17.571	36.459	4.59	17.493	26.516	32.935	39.143	1.024	1.86	446
500	16.973	36.352	4.35	16.889	26.580	33.015	39.239	1.107	3.13	496
600	13.533	35.779	3.57	13.446	26.906	33.439	39.757	1.254	2.48	595
700	11.555	35.504	3.59	11.493	27.077	33.571	40.046	1.382	3.28	694
800	8.647	35.170	3.62	8.559	27.321	34.012	40.480	1.486	2.70	793
900	6.650	35.079	4.41	6.563	27.541	34.301	40.836	1.566	2.81	891
1000	5.394	35.040	5.09	5.307	27.671	34.477	41.056	1.627	1.64	990
1200	4.753	35.029	5.60	4.653	27.738	34.559	41.172	1.729	0.95	1188
1400	4.278	34.990	5.85	4.164	27.761	34.611	41.232	1.825	0.62	1385
1600	4.083	34.984	6.01	3.952	27.779	34.637	41.266	1.921	0.57	1582
1800	3.980	34.984	6.17	3.832	27.791	34.654	41.288	2.017	0.56	1779
2000	3.822	34.979	6.13	3.657	27.805	34.675	41.315	2.113	0.62	1976
2200	3.649	34.973	6.17	3.467	27.819	34.697	41.344	2.208	0.60	2172
2400	3.487	34.972	6.21	3.288	27.836	34.721	41.375	2.302	0.62	2369
2600	3.323	34.955	6.19	3.107	27.847	34.739	41.400	2.395	0.59	2565
2800	3.131	34.954	6.25	2.898	27.858	34.759	41.428	2.487	0.62	2761
3000	2.960	34.946	6.17	2.710	27.868	34.777	41.453	2.578	0.65	2957
3500	2.535	34.923	6.07	2.241	27.890	34.818	41.513	2.798	0.61	3446
4000	2.268	34.902	6.41	1.926	27.899	34.840	41.548	3.009	0.39	3933
4409	2.223	34.891	6.25	1.835	27.898	34.843	41.554	3.185	0.19	4332

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-0	SIG-3	NE
dbar	Deq C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deq C	kg/m3	kg/m3	m
11	24.381	36.270	4.76				24.378	24.492	36.824	11
100	22.876	36.738	3.87				22.856	25.296	37.680	99
201	20.153	36.689	3.95				20.126	26.019	38.520	200
300	18.547	36.559	4.52				18.494	26.344	38.922	297
399	17.891	36.518	4.71				17.822	26.481	39.091	396
498	17.081	36.381	4.47				16.998	26.576	39.230	494
599	14.133	35.879	3.84				14.044	26.858	39.674	594
798	9.378	35.239	3.37				9.286	27.259	40.369	791
996	5.600	35.073	5.04				5.512	27.672	41.042	986
1186	4.684	35.029	5.65				4.586	27.746	41.185	1174
1398	4.293	35.013	5.91				4.178	27.778	41.247	1383
1601	4.087	34.999	6.05				3.957	27.790	41.277	1583
1795	3.939	34.994	5.98	12.5	1.18	18.3	3.792	27.803	41.303	1774
1992	3.829	35.001	5.96	13.8	1.17	18.5	3.665	27.822	41.331	1968
2441	3.468	34.995	6.09	16.3	1.18	18.0	3.265	27.856	41.396	2409
2990	2.984	34.976	6.14	19.0	1.17	18.3	2.735	27.890	41.472	2947
3491	2.525	34.953	6.20	21.7	1.25	17.9	2.232	27.915	41.538	3437
3988	2.268	34.937	6.16	29.3	1.09	18.3	1.927	27.927	41.575	3922
4202	2.227	34.935	6.07	33.2	1.32	19.1	1.863	27.931	41.584	4130
4411	2.224	34.931	6.12	34.4	1.34	19.2	1.835	27.929	41.585	4333

ENDEAVOR R3 STA- 51
DATE 7/ 5/82

LAT= 37 33.0N LON= 69 56.3W

SONIC DEPTH= 4185m

PR	T	S	O2	A	SIG-0	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cdh	m
1	24.888	36.249	0.00	24.887	24.322	30.579	36.634	0.004	-0.17	1
25	24.899	36.250	0.00	24.893	24.321	30.578	36.633	0.090	0.16	25
50	24.905	36.250	0.00	24.894	24.320	30.578	36.633	0.180	1.17	50
75	22.726	36.184	0.00	22.710	24.917	31.219	37.317	0.266	10.18	74
100	19.859	36.051	0.00	19.850	25.605	31.971	38.130	0.335	8.90	90
150	12.633	35.073	0.00	12.613	26.527	33.092	39.439	0.431	6.04	149
200	12.793	35.450	0.00	12.676	26.807	33.366	39.708	0.499	2.57	198
250	12.612	35.550	0.00	12.578	26.904	33.465	39.809	0.562	2.75	248
300	12.630	35.676	0.00	12.589	27.000	33.559	39.901	0.621	2.42	298
350	11.255	35.457	0.00	11.221	27.099	33.701	40.085	0.675	3.02	347
400	9.653	35.251	0.00	9.607	27.215	33.870	40.304	0.725	2.47	397
450	8.728	35.158	0.00	8.679	27.301	33.988	40.452	0.770	2.47	446
500	7.851	35.072	0.00	7.810	27.359	34.076	40.569	0.811	2.59	496
600	6.217	35.066	0.00	6.163	27.584	34.359	40.908	0.880	2.39	595
700	5.345	35.051	0.00	5.286	27.682	34.489	41.059	0.933	1.42	694
800	5.010	35.044	0.00	4.944	27.717	34.537	41.129	0.981	1.05	793
900	4.664	35.029	0.00	4.592	27.745	34.579	41.184	1.028	0.90	891
1000	4.443	35.009	0.00	4.363	27.755	34.597	41.210	1.073	0.64	990
1200	4.140	34.982	0.00	4.046	27.767	34.622	41.248	1.162	0.57	1188
1400	4.008	34.983	0.00	3.897	27.783	34.644	41.275	1.252	0.55	1385
1600	3.840	34.972	0.00	3.712	27.794	34.662	41.300	1.342	0.55	1582
1800	3.726	34.975	0.00	3.581	27.810	34.683	41.326	1.433	0.61	1779
2000	3.593	34.974	0.00	3.431	27.823	34.702	41.351	1.523	0.58	1976
2200	3.406	34.970	0.00	3.228	27.839	34.727	41.383	1.612	0.64	2172
2400	3.237	34.961	0.00	3.042	27.850	34.745	41.408	1.701	0.61	2369
2600	3.049	34.951	0.00	2.838	27.861	34.754	41.436	1.788	0.64	2565
2800	2.856	34.943	0.00	2.638	27.873	34.784	41.463	1.874	0.62	2761
3000	2.688	34.934	0.00	2.444	27.882	34.801	41.488	1.958	0.63	2957
3500	2.335	34.911	0.00	2.047	27.897	34.833	41.536	2.162	0.47	3445
4000	2.209	34.896	0.00	1.869	27.899	34.842	41.552	2.366	0.23	3933
4233	2.209	34.893	0.00	1.842	27.899	34.843	41.555	2.465	0.21	4160

PR	T	S	O2	SIL	PHOS	NO3	A	SIG-0	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
200	12.310	35.301	5.67				12.284	26.769	39.695	198
397	9.901	35.282	3.37				9.854	27.198	40.271	394
600	5.971	35.033	4.77				5.917	27.590	40.931	595
795	5.040	35.047	5.47				4.974	27.716	41.125	787
994	4.398	34.978	6.27				4.318	27.735	41.195	985
1298	4.036	34.971	6.04				3.934	27.770	41.259	1285
1597	3.840	34.971	6.08				3.713	27.793	41.299	1579
1894	3.649	34.960	6.08				3.496	27.806	41.329	1871
2192	3.426	34.941	6.18				3.249	27.815	41.357	2164
2433	3.190	34.931	6.31				2.993	27.831	41.394	2401
2802	2.855	34.921	6.23				2.628	27.856	41.448	2763
3090	2.588	34.912		25.2	1.18	18.1	2.336	27.874	41.489	3045
3286	2.453	34.904	6.14	26.3	1.25	18.2	2.185	27.880	41.508	3236
3494	2.319	34.899	6.17	31.4	1.25	19.1	2.031	27.888	41.529	3439
3695	2.249	34.896	6.09	33.9	1.33	19.6	1.942	27.893	41.541	3636
3896	2.224	34.894	6.06	34.8	1.29	18.9	1.895	27.895	41.547	3831
4097	2.208	34.897	6.06	33.1	1.24	18.8	1.857	27.901	41.555	4028
4235	2.209	34.898	6.08	34.2	1.08	18.3	1.842	27.903	41.558	4162

ENDEAVOR 83 STA- 52 LAT= 38 0.0N LON= 70 0.0W SONIC DEPTH= 3863m
DATE 7/ 5/82

PR	T	S	O2	A	SIG-8	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deq C	o/oo	ml/l	Deq C	kg/m3	kg/m3	kg/m3	m	cph	m
3	19.051	35.838	5.14	19.060	25.648	32.034	38.213	0.007	3.35	3
25	12.624	34.984	6.52	12.621	26.457	33.022	39.370	0.054	11.06	25
50	12.321	35.077	5.77	12.315	26.588	33.161	39.518	0.091	4.48	50
75	12.404	35.315	5.43	12.394	26.758	33.326	39.677	0.125	3.38	74
100	12.755	35.454	5.25	12.741	26.798	33.354	39.695	0.157	2.12	99
150	12.533	35.579	4.22	12.513	26.939	33.501	39.847	0.218	3.53	149
200	10.928	35.401	3.18	10.904	27.106	33.718	40.112	0.272	3.06	198
250	9.554	35.231	3.22	9.526	27.213	33.871	40.308	0.319	2.67	248
300	8.490	35.130	3.38	8.458	27.306	34.000	40.472	0.362	2.66	298
350	7.537	35.110	4.03	7.502	27.434	34.161	40.664	0.401	3.18	347
400	6.404	35.056	4.59	6.368	27.549	34.317	40.859	0.432	1.90	397
450	5.014	35.047	4.81	5.974	27.594	34.376	40.931	0.461	1.79	446
500	5.533	35.034	5.11	5.490	27.643	34.443	41.016	0.488	1.67	496
600	4.935	35.015	5.57	4.886	27.700	34.523	41.117	0.536	1.23	595
700	4.812	35.029	5.58	4.756	27.726	34.554	41.152	0.581	0.91	694
800	4.485	34.995	5.81	4.422	27.737	34.577	41.188	0.626	0.65	792
900	4.406	34.996	5.90	4.335	27.747	34.591	41.205	0.670	0.56	891
1000	4.244	34.979	5.97	4.166	27.752	34.603	41.223	0.714	0.61	990
1200	4.145	34.993	5.98	4.050	27.776	34.630	41.255	0.803	0.65	1188
1400	3.965	34.987	6.07	3.855	27.791	34.653	41.286	0.891	0.61	1385
1600	3.792	34.985	6.11	3.665	27.809	34.679	41.318	0.978	0.56	1582
1800	3.603	34.972	6.17	3.460	27.819	34.697	41.344	1.066	0.63	1779
2000	3.421	34.969	6.18	3.262	27.836	34.722	41.377	1.153	0.61	1976
2200	3.235	34.962	6.22	3.060	27.849	34.743	41.406	1.239	0.62	2172
2400	3.052	34.953	6.25	2.861	27.860	34.762	41.433	1.323	0.62	2368
2600	2.879	34.945	6.28	2.672	27.871	34.781	41.459	1.407	0.61	2565
2800	2.713	34.937	6.29	2.489	27.880	34.798	41.483	1.489	0.60	2761
3000	2.561	34.928	6.32	2.319	27.888	34.812	41.504	1.570	0.58	2957
3500	2.246	34.907	6.30	1.959	27.900	34.840	41.547	1.767	0.43	3445
3897	2.170	34.896	6.17	1.843	27.901	34.845	41.557	1.925	0.17	3833

PR	T	S	O2	SIL	PHOS	NO3	B	SIG-8	SIG-3	DF
dbar	Deq C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deq C	kg/m3	kg/m3	m
6	18.610	35.780	5.44				18.609	25.718	38.305	6
97	12.782	35.466	5.41				12.769	26.801	39.696	96
192	10.974	35.412	3.13				10.950	27.106	40.109	190
299	8.559	35.129	3.27				8.527	27.295	40.456	297
389	6.789	35.077	4.27				6.752	27.514	40.796	386
496	5.484	35.027	5.01				5.442	27.644	41.020	492
741	4.512	34.987	5.75				4.454	27.727	41.177	734
991	4.226	34.980	5.93				4.149	27.755	41.227	981
1250	4.098	34.996	6.04				3.999	27.783	41.267	1236
1491	3.892	34.988	6.03				3.774	27.800	41.301	1474
1733	3.656	34.978	6.08				3.529	27.817	41.337	1713
2004	3.423	34.979	6.18				3.263	27.844	41.384	1979
2498	2.954	34.952	6.13	19.7	1.19	18.3	2.755	27.869	41.450	2464
2697	2.787	34.948	6.21	20.4	1.21	17.8	2.572	27.882	41.478	2659
2888	2.636	34.933	6.20	21.2	1.15	17.3	2.405	27.885	41.494	2847
3094	2.480	34.925	6.26	22.5	1.23	18.1	2.231	27.893	41.517	3048
3294	2.323	34.913	6.26	24.1	1.31	18.1	2.057	27.897	41.536	3244
3493	2.251	34.904	6.21	26.4	1.33	18.0	1.965	27.898	41.543	3438
3657	2.187	34.897	6.15	30.4	1.36	19.0	1.885	27.898	41.551	3599
3903	2.167	34.894	6.12	33.9	1.42	19.4	1.839	27.900	41.556	3838

ENDEAVOR 83 STA- 53
DATE 7/ 5/82

LAT= 38 31.0N LON= 70 0.5W

SONIC DEPTH= 3312m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	18.471	35.947	6.46	18.471	25.881	32.280	38.471	0.006	1.97	3
25	16.842	35.803	5.54	16.837	26.171	32.612	38.843	0.051	9.09	25
50	12.833	35.356	5.16	12.827	26.712	33.267	39.606	0.090	6.33	50
75	13.208	35.554	5.01	13.198	26.782	33.325	39.652	0.123	1.62	74
100	12.899	35.539	4.68	12.885	26.835	33.386	39.722	0.154	3.77	99
150	11.505	35.456	3.61	11.486	27.042	33.636	40.012	0.211	3.27	149
200	10.058	35.306	3.32	10.034	27.186	33.826	40.247	0.260	2.88	198
250	8.723	35.168	3.45	8.696	27.299	33.984	40.448	0.303	2.63	248
300	7.719	35.107	3.83	7.689	27.405	34.125	40.622	0.342	2.50	298
350	6.730	35.045	4.33	6.698	27.496	34.252	40.782	0.376	2.58	347
400	6.055	35.033	4.72	6.020	27.577	34.357	40.911	0.405	2.13	397
450	5.686	35.035	4.98	5.647	27.625	34.419	40.986	0.432	1.57	446
500	5.400	35.031	5.21	5.358	27.657	34.452	41.039	0.458	1.38	496
600	4.875	34.999	5.57	4.827	27.695	34.520	41.117	0.505	1.08	595
700	4.574	35.000	5.69	4.618	27.719	34.552	41.156	0.551	0.86	694
800	4.411	34.983	5.91	4.348	27.735	34.579	41.193	0.595	0.61	792
900	4.251	34.975	5.99	4.191	27.746	34.596	41.216	0.639	0.76	891
1000	4.134	34.974	6.05	4.057	27.759	34.614	41.239	0.683	0.68	990
1200	3.955	34.971	6.10	3.871	27.777	34.639	41.271	0.770	0.61	1188
1400	3.809	34.971	6.15	3.700	27.794	34.663	41.301	0.856	0.57	1385
1600	3.684	34.972	6.13	3.558	27.810	34.684	41.327	0.943	0.59	1582
1800	3.553	34.973	6.14	3.420	27.823	34.703	41.352	1.029	0.56	1779
2000	3.395	34.967	6.15	3.236	27.837	34.724	41.380	1.115	0.55	1975
2200	3.315	34.963	6.12	3.138	27.843	34.734	41.394	1.201	0.34	2172
2400	3.237	34.960	6.15	3.042	27.849	34.744	41.407	1.289	0.49	2368
2600	3.149	34.956	6.17	2.936	27.856	34.755	41.423	1.377	0.67	2565
2800	2.912	34.946	6.21	2.683	27.870	34.780	41.457	1.455	0.70	2761
3000	2.681	34.934	6.27	2.437	27.883	34.802	41.489	1.549	0.72	2956
3337	2.178	34.904	6.23	1.911	27.902	34.844	41.552	1.683	0.82	3286

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	NE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
4	18.773	35.940	5.43				18.372	25.900	38.496	4
96	12.957	35.538	4.85				12.943	26.822	39.706	96
197	10.380	35.347	3.29				10.357	27.161	40.202	195
295	7.875	35.120	3.70				7.846	27.392	40.598	292
391	6.324	35.039	4.55				6.289	27.546	40.861	388
494	5.456	35.031	5.11				5.424	27.649	41.076	489
693	4.641	34.995	5.70				4.586	27.719	41.158	686
882	4.256	34.979	5.94				4.198	27.749	41.218	873
1089	4.044	34.970	6.04				3.960	27.767	41.254	1078
1267	3.903	34.968	6.14				3.805	27.781	41.280	1254
1490	3.747	34.969	6.14				3.631	27.800	41.312	1473
1689	3.621	34.976	6.14				3.488	27.819	41.343	1670
1896	3.481	34.970	6.11	15.7	0.94	17.0	3.331	27.830	41.365	1873
2114	3.333	34.963	6.13	16.7	0.94	16.9	3.164	27.840	41.389	2088
2323	3.283	34.961	6.14	17.0	0.99	17.0	3.095	27.845	41.399	2293
2493	3.196	34.956	6.14	17.7	1.13	17.8	2.993	27.851	41.413	2499
2698	3.016	34.951	6.20	19.2	1.19	17.9	2.796	27.865	41.443	2660
2900	2.799	34.940	6.25	19.5	1.12	17.5	2.563	27.877	41.473	2858
3103	2.544	34.926	6.81	20.6	1.17	17.6	2.293	27.888	41.507	3057
3342	2.175	34.903	6.25	29.0	1.16	18.5	1.908	27.901	41.552	3291

ENDEAVOR R3 STA- 54
DATE 7/ 5/82

LAT= 39 1.2N LON= 70 1.3W

SONIC DEPTH= 2734m

PR	T	S	O2	A	SIG-B	SIG-1.5	SIG-3	HGTH	N	DE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	coh	m
1	11.908	34.343	6.56	11.908	26.096	32.689	39.064	0.002	2.18	1
25	12.005	34.534	6.51	12.001	26.227	32.815	39.186	0.047	6.20	25
50	13.040	35.183	5.63	13.033	26.528	33.079	39.414	0.088	6.55	50
75	13.155	35.479	5.03	13.154	26.734	33.278	39.607	0.123	3.42	74
100	11.830	35.198	5.44	11.817	26.778	33.365	39.734	0.156	2.60	99
150	12.153	35.454	4.31	12.143	26.915	33.489	39.846	0.217	3.18	149
200	11.027	35.395	3.58	11.003	27.083	33.692	40.083	0.272	3.50	198
250	9.405	35.214	3.49	9.377	27.224	33.887	40.329	0.320	2.90	248
300	8.004	35.100	3.75	7.974	27.356	34.067	40.555	0.361	2.72	298
350	7.393	35.070	4.00	7.349	27.425	34.158	40.666	0.398	2.20	347
400	6.752	35.071	4.29	6.714	27.515	34.269	40.799	0.432	2.29	397
450	5.977	35.041	4.77	5.938	27.594	34.377	40.933	0.461	2.18	446
500	5.538	35.020	5.03	5.496	27.632	34.432	41.004	0.488	1.59	496
600	4.802	34.982	5.56	4.755	27.689	34.517	41.116	0.537	1.13	595
700	4.575	34.985	5.72	4.520	27.718	34.555	41.163	0.582	0.91	694
800	4.509	35.001	5.76	4.446	27.739	34.578	41.189	0.627	0.74	792
900	4.356	34.996	5.85	4.296	27.751	34.597	41.213	0.671	0.65	891
1000	4.212	34.984	5.97	4.134	27.760	34.611	41.233	0.714	0.64	990
1200	4.029	34.977	6.06	3.935	27.775	34.634	41.263	0.802	0.53	1187
1400	3.898	34.977	6.09	3.788	27.790	34.655	41.290	0.889	0.57	1385
1600	3.796	34.978	6.11	3.659	27.804	34.674	41.314	0.977	0.54	1582
1800	3.654	34.977	6.11	3.520	27.817	34.693	41.338	1.066	0.59	1779
2000	3.530	34.975	6.12	3.369	27.830	34.712	41.363	1.154	0.56	1975
2200	3.357	34.967	6.15	3.189	27.841	34.730	41.388	1.242	0.58	2172
2400	3.145	34.958	6.18	2.953	27.856	34.755	41.422	1.329	0.65	2368
2600	2.928	34.948	6.23	2.720	27.869	34.777	41.453	1.414	0.72	2564
2765	2.547	34.930	6.27	2.330	27.889	34.813	41.504	1.482	1.22	2726

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
6	11.909	34.366	6.86				11.908	26.115	39.082	6
102	11.920	35.255	5.46				11.907	26.806	39.755	101
199	10.823	35.371	3.43				10.798	27.102	40.114	197
298	8.227	35.112	3.65				8.196	27.332	40.516	295
397	6.756	35.054	4.20				6.719	27.508	40.793	394
494	5.516	35.016	4.98				5.474	27.631	41.005	490
596	4.799	34.979	5.54				4.752	27.687	41.115	591
695	4.590	34.980	5.73				4.535	27.713	41.156	688
792	4.482	34.991	5.74				4.420	27.734	41.186	784
894	4.380	34.996	5.81				4.310	27.750	41.210	885
996	4.213	34.982	5.89				4.136	27.758	41.231	986
1191	4.034	34.970	6.06				3.941	27.769	41.257	1178
1392	3.901	34.976	6.01				3.792	27.789	41.289	1377
1593	3.774	34.974	6.10				3.648	27.802	41.313	1575
1787	3.656	34.975	6.05				3.524	27.815	41.336	1766
1996	3.531	34.974	6.00				3.371	27.829	41.362	1971
2202	3.374	34.958	6.08				3.197	27.841	41.387	2174
2388	3.148	34.957	6.09				2.956	27.855	41.420	2356
2608	2.918	34.945	6.13				2.709	27.868	41.453	2572
2770	2.544	34.928	6.21				2.327	27.887	41.503	2731

ENDEAVOR 93 STA- 55 LAT= 39 30.0N LON= 70 0.0W SONIC DEPTH= 2409m
DATE 8/ 5/82

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cmh	m
7	9.503	33.152	0.00	9.502	25.591	32.272	38.732	0.017	0.37	7
25	9.073	33.375	0.00	9.070	25.835	32.528	38.999	0.059	8.62	25
50	9.687	34.072	3.50	9.682	26.281	32.947	39.391	0.107	8.43	50
75	11.233	34.946	6.00	11.224	26.693	33.300	39.689	0.144	4.37	74
100	12.453	35.340	5.59	12.440	26.769	33.335	39.685	0.177	2.41	99
150	12.536	35.533	4.68	12.516	26.903	33.466	39.811	0.240	3.53	149
200	11.240	35.430	3.79	11.215	27.072	33.674	40.058	0.295	3.12	198
250	10.044	35.307	3.62	10.015	27.189	33.831	40.252	0.344	2.15	248
300	8.832	35.183	3.56	8.800	27.294	33.976	40.436	0.388	3.21	297
350	7.530	35.096	3.98	7.495	27.424	34.152	40.655	0.427	2.62	347
400	6.951	35.064	4.24	6.923	27.480	34.228	40.750	0.461	2.01	397
450	6.134	35.033	4.71	6.094	27.567	34.345	40.896	0.492	2.37	446
500	5.774	35.023	4.91	5.731	27.606	34.397	40.961	0.520	1.65	496
600	5.075	34.997	5.40	5.026	27.670	34.488	41.077	0.571	1.24	595
700	4.880	35.013	5.55	4.823	27.706	34.531	41.128	0.619	0.97	693
800	4.661	35.005	5.69	4.597	27.726	34.559	41.164	0.665	0.82	792
900	4.373	34.983	5.91	4.302	27.741	34.586	41.202	0.710	0.77	891
1000	4.259	34.978	5.99	4.181	27.750	34.600	41.220	0.755	0.63	990
1200	4.086	34.977	6.04	3.991	27.769	34.626	41.254	0.844	0.58	1187
1400	3.921	34.974	6.07	3.811	27.785	34.650	41.284	0.933	0.56	1385
1600	3.815	34.977	6.10	3.688	27.800	34.669	41.308	1.022	0.57	1582
1800	3.699	34.977	6.10	3.545	27.814	34.689	41.333	1.111	0.52	1779
2000	3.578	34.974	6.11	3.417	27.825	34.705	41.354	1.200	0.55	1975
2200	3.405	34.967	6.15	3.228	27.838	34.725	41.381	1.290	0.73	2172
2400	3.095	34.955	6.17	2.904	27.858	34.759	41.428	1.377	0.93	2368
2439	2.797	34.940	6.24	2.606	27.873	34.785	41.466	1.393	1.65	2406

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
12	9.234	33.167	7.43				9.232	25.647	38.804	12
97	12.481	35.361	5.42				12.468	26.779	39.694	96
197	11.126	35.422	3.58				11.102	27.086	40.080	195
295	8.882	35.193	3.41				8.850	27.294	40.433	293
396	6.924	35.072	4.10				6.886	27.492	40.764	392
494	5.807	35.021	4.92				5.764	27.600	40.952	490
596	5.150	35.002	5.26				5.101	27.665	41.067	590
692	4.926	35.010	5.43				4.870	27.699	41.117	686
793	4.691	35.007	5.63				4.627	27.724	41.160	785
896	4.418	34.978	5.85				4.348	27.732	41.189	888
994	4.258	34.981	5.90				4.180	27.752	41.222	984
1197	4.078	34.980	6.01				3.984	27.772	41.257	1184
1395	3.917	34.974	6.04				3.807	27.786	41.284	1380
1595	3.793	34.979	6.09				3.666	27.804	41.313	1576
1795	3.678	34.978	6.09				3.535	27.816	41.336	1772
1994	3.578	34.971	6.10				3.417	27.822	41.351	1969
2192	3.400	34.966	6.10				3.223	27.837	41.381	2164
2437	2.792	34.938	6.23				2.601	27.872	41.465	2405

**CTD-02 — Hydrographic Data
from
R/V Endeavor Cruise #86**

ENDEAVOR 86 STA- 2 LAT= 38 36.0N LON= 72 28.0W SONIC DEPTH= 2619m
DATE 11/ 6/82

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
5	17.096	35.262	5.48	17.095	25.694	32.134	38.363	0.011	2.31	5
25	13.986	34.779	6.63	13.982	26.021	32.549	38.862	0.056	10.44	25
50	11.601	34.951	6.55	11.595	26.629	33.224	39.602	0.097	5.84	50
75	12.288	35.290	6.13	12.278	26.762	33.333	39.688	0.130	2.86	74
100	13.116	35.569	5.98	13.102	26.814	33.359	39.688	0.162	2.14	99
150	12.341	35.490	5.25	12.321	26.908	33.477	39.828	0.223	3.15	149
200	11.312	35.446	4.27	11.287	27.071	33.671	40.052	0.279	3.43	198
250	9.699	35.265	3.97	9.670	27.215	33.868	40.300	0.326	2.81	248
300	8.342	35.138	4.15	8.311	27.335	34.034	40.510	0.369	2.67	298
350	7.323	35.079	4.51	7.289	27.441	34.175	40.686	0.406	2.69	347
400	6.354	35.027	4.95	6.318	27.533	34.302	40.846	0.438	2.25	397
450	5.860	35.024	5.27	5.821	27.595	34.383	40.944	0.467	1.90	446
500	5.348	34.994	5.50	5.307	27.635	34.442	41.021	0.494	1.42	496
600	4.858	34.985	5.97	4.810	27.685	34.511	41.108	0.543	1.20	595
700	4.659	34.993	5.14	4.604	27.715	34.548	41.153	0.589	0.92	694
800	4.481	34.992	6.26	4.418	27.735	34.576	41.187	0.634	0.79	792
900	4.348	34.987	5.36	4.278	27.746	34.592	41.209	0.678	0.63	891
1000	4.198	34.979	6.44	4.120	27.757	34.609	41.231	0.722	0.63	990
1200	4.044	34.977	6.48	3.950	27.774	34.632	41.261	0.810	0.56	1188
1400	3.906	34.975	6.62	3.796	27.788	34.653	41.287	0.898	0.56	1385
1600	3.776	34.974	6.60	3.650	27.802	34.672	41.312	0.986	0.56	1582
1800	3.638	34.974	6.65	3.494	27.817	34.693	41.340	1.075	0.62	1779
2000	3.470	34.971	6.69	3.310	27.833	34.717	41.370	1.163	0.65	1975
2200	3.271	34.963	5.70	3.095	27.847	34.740	41.401	1.249	0.64	2172
2400	3.071	34.955	5.72	2.879	27.860	34.762	41.432	1.335	0.70	2368
2491	2.915	34.948	5.74	2.717	27.869	34.777	41.453	1.372	0.82	2458

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
7	17.245	35.309	5.79				17.244	25.694	38.355	7
104	12.973	35.490	5.49				12.959	26.782	39.666	103
201	11.484	35.465	3.91				11.458	27.054	40.025	199
298	8.554	35.152	3.86				8.522	27.313	40.474	295
401	6.418	35.027	4.64				6.382	27.525	40.833	397
500	5.344	34.993	5.31				5.302	27.634	41.021	495
599	4.891	34.982	5.65				4.843	27.679	41.100	593
697	4.684	34.988					4.629	27.708	41.145	691
800	4.520	34.990	5.84				4.456	27.729	41.178	792
900	4.335	34.992	5.15				4.264	27.752	41.215	891
1001	4.204	34.974	5.01				4.126	27.752	41.227	991
1097	4.113	34.973					4.027	27.762	41.244	1086
1197	4.029	34.972	5.07				3.936	27.771	41.260	1185
1398	3.886	34.971	6.44				3.776	27.786	41.288	1383
1598	3.766		5.11							1580
1796	3.635	34.970	6.11				3.492	27.814	41.337	1775
1996	3.476	34.968	5.98				3.317	27.830	41.366	1972
2194	3.278	34.959	6.18				3.103	27.843	41.396	2166
2393	3.073	34.953	6.60				2.883	27.858	41.430	2361
2492	2.911	34.943	5.99				2.714	27.866	41.450	2459

ENDEAVOR 86 STA- 3 LAT= 38 12.5N LON= 72 57.1W SONIC DEPTH= 2577m
DATE 13/ 6/82

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	15.709	33.997	5.51	15.709	25.043	31.531	37.807	0.003	5.33	1
25	16.570	35.084	5.11	16.566	25.682	32.138	38.381	0.067	8.06	25
50	11.982	34.795	5.99	11.976	26.435	33.021	39.389	0.118	10.15	50
75	11.536	34.983	5.29	11.526	26.666	33.264	39.643	0.155	4.09	74
100	12.290	35.296	5.19	12.277	26.766	33.338	39.693	0.188	2.85	99
150	12.462	35.489	4.81	12.442	26.884	33.449	39.797	0.250	2.96	149
200	11.282	35.441	3.80	11.257	27.073	33.674	40.056	0.307	3.47	198
250	9.768	35.270	3.59	9.739	27.208	33.858	40.288	0.355	2.95	248
300	8.113	35.108	3.75	8.082	27.347	34.054	40.538	0.397	2.63	298
350	7.315	35.086	4.10	7.281	27.447	34.182	40.692	0.434	2.79	347
400	6.488	35.060	4.49	6.452	27.541	34.306	40.844	0.466	2.40	397
450	5.834	35.042	4.85	5.795	27.612	34.400	40.962	0.494	1.86	446
500	5.372	35.012	5.13	5.331	27.646	34.452	41.030	0.520	1.41	496
600	4.898	34.997	5.42	4.849	27.690	34.514	41.110	0.568	1.15	595
700	4.694	35.000	5.63	4.638	27.717	34.549	41.153	0.614	0.93	694
800	4.439	34.988	5.78	4.377	27.736	34.579	41.192	0.659	0.74	792
900	4.303	34.983	5.91	4.233	27.748	34.596	41.214	0.703	0.68	891
1000	4.181	34.979	5.96	4.103	27.759	34.611	41.235	0.746	0.59	990
1200	4.027	34.975	6.04	3.933	27.773	34.633	41.262	0.834	0.56	1188
1400	3.894	34.973	6.11	3.784	27.787	34.653	41.288	0.922	0.56	1385
1600	3.794	34.975	6.16	3.667	27.801	34.670	41.310	1.010	0.57	1582
1800	3.663	34.976	6.16	3.519	27.817	34.692	41.337	1.099	0.58	1779
2000	3.514	34.972	6.22	3.354	27.830	34.712	41.363	1.188	0.66	1976
2200	3.285	34.964	6.24	3.109	27.846	34.738	41.399	1.275	0.74	2172
2400	2.977	34.950	6.30	2.787	27.865	34.770	41.444	1.359	0.82	2368
2565	2.507	34.927	6.25	2.310	27.888	34.813	41.505	1.424	1.17	2530

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
11	15.670	34.017	6.03	0.9	0.24		15.669	25.067	37.833	11
95	12.505	35.367	5.36	4.1	0.51	8.9	12.492	26.779	39.692	94
201	10.684	35.379	3.57	12.1	1.30	22.0	10.660	27.133	40.154	200
301	7.974	35.119	3.69	15.6	1.52	24.4	7.943	27.376	40.576	298
399	6.410	35.060	4.49	14.6	1.45	22.5	6.374	27.552	40.860	395
500	5.266	35.004	5.23	13.1	1.28	20.0	5.225	27.652	41.044	495
601	4.848	34.992	5.52	12.4	1.22	19.1	4.800	27.692	41.116	595
696	4.666	34.999	5.82	11.8	1.21	17.9	4.611	27.719	41.157	690
798	4.479	34.986	5.81	12.1	1.17	18.3	4.416	27.731	41.183	791
899	4.314	34.983	6.08	12.1	1.20	18.6	4.244	27.747	41.212	890
1003	4.219	34.979	5.93	12.2	1.21	18.2	4.140	27.755	41.228	993
1001	4.215	34.979	5.93	12.0	1.15	18.2	4.137	27.755	41.229	991
1196	4.014	34.971	6.09	12.1	1.12	17.7	3.921	27.772	41.262	1183
1395	3.888	34.972	6.35	13.9	1.15	17.8	3.778	27.787	41.288	1380
1595	3.793	34.974	6.38	13.3	1.15	18.0	3.667	27.800	41.309	1577
1795	3.672	34.973	6.13	14.3	1.16	17.8	3.528	27.813	41.333	1774
1995	3.528	34.972	6.07	15.4	1.14	17.8	3.368	27.828	41.361	1970
2194	3.304	34.968	6.16	16.7	1.16	18.0	3.128	27.848	41.399	2166
2389	2.993	34.952	6.57	18.7	1.15	17.8	2.804	27.865	41.442	2357
2569	2.506	34.928	6.33	22.0	1.16	17.7	2.309	27.889	41.506	2534

ENDEAVOR 86 STA- 4 LAT= 38 3.5N LON= 73 3.2W SONIC DEPTH= 2390m
DATE 13/ 6/82

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	15.282	33.205	5.06	15.282	24.528	31.036	37.330	0.003	12.37	1
25	15.096	34.081	5.23	15.093	25.244	31.749	38.039	0.076	11.80	25
50	11.629	34.638	5.59	11.623	26.379	32.978	39.358	0.127	7.12	50
75	11.157	34.865	4.89	11.148	26.644	33.254	39.646	0.165	4.77	74
100	12.167	35.233	5.07	12.154	26.741	33.318	39.677	0.199	2.89	99
150	12.327	35.485	4.61	12.307	26.907	33.476	39.828	0.262	4.13	149
200	10.277	35.334	3.42	10.254	27.169	33.803	40.216	0.314	3.58	198
250	8.672	35.165	3.46	8.645	27.304	33.992	40.457	0.358	2.63	248
300	7.723	35.100	3.75	7.693	27.398	34.119	40.615	0.396	2.49	298
350	7.063	35.072	4.07	7.030	27.472	34.215	40.734	0.431	2.19	347
400	6.243	35.044	4.52	6.208	27.561	34.334	40.881	0.462	2.19	397
450	5.630	35.019	4.92	5.591	27.619	34.415	40.984	0.489	1.76	446
500	5.322	35.010	5.15	5.280	27.650	34.458	41.038	0.515	1.45	496
600	4.859	34.988	5.48	4.811	27.688	34.513	41.111	0.563	0.97	595
700	4.688	34.995	5.66	4.632	27.714	34.546	41.150	0.610	0.96	694
800	4.478	34.988	5.81	4.415	27.733	34.573	41.185	0.655	0.77	792
900	4.330	34.984	5.94	4.259	27.746	34.593	41.210	0.699	0.72	891
1000	4.204	34.980	6.02	4.126	27.757	34.609	41.231	0.743	0.66	990
1200	4.013	34.976	6.10	3.919	27.776	34.636	41.266	0.830	0.53	1188
1400	3.874	34.974	6.15	3.765	27.790	34.656	41.292	0.918	0.51	1385
1600	3.768	34.974	6.15	3.641	27.803	34.674	41.314	1.006	0.55	1582
1800	3.614	34.973	6.15	3.471	27.819	34.696	41.343	1.094	0.62	1779
2000	3.438	34.970	6.17	3.278	27.835	34.720	41.375	1.181	0.66	1976
2200	3.173	34.961	6.17	2.999	27.854	34.750	41.415	1.267	0.81	2172
2371	3.014	34.953	6.18	2.826	27.863	34.767	41.439	1.338	0.54	2340

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	16.348	34.129	5.88	0.8	0.21		16.346	24.999	37.728	10
101	12.285	35.273	5.14	4.6	0.54	9.4	12.272	26.749	39.677	101
201	10.973	35.408	3.49	11.3	1.21	20.8	10.948	27.103	40.106	199
295	7.886	35.106	3.61	15.9	1.49	24.5	7.856	27.379	40.585	292
399	6.307	35.047	4.43	14.4	1.45	22.2	6.272	27.555	40.871	396
499	5.304	35.000	5.13	13.1	1.32	20.3	5.263	27.644	41.034	494
598	4.949	34.993	5.41	12.7	1.33	19.5	4.900	27.681	41.098	593
697	4.691	34.992	5.66	12.4	1.24	19.3	4.636	27.711	41.147	690
796	4.507	34.986	5.80	12.2	1.25	18.5	4.444	27.727	41.178	788
874	4.372	34.981	5.89	12.6	1.26	18.5	4.304	27.739	41.200	865
996	4.225	34.981	5.05	12.5	1.16	18.0	4.147	27.756	41.228	986
1095	4.110	34.973	5.02	12.3	1.19	18.1	4.024	27.762	41.244	1084
1195	4.024	34.974	6.19	12.4	1.17	18.0	3.931	27.773	41.262	1183
1298	3.958	34.969	6.16	12.6	1.16	17.7	3.857	27.777	41.272	1284
1398	3.872	34.969	5.18	12.8	1.13	18.0	3.762	27.786	41.289	1383
1594	3.775	34.965	5.22	13.3	1.16	18.0	3.649	27.795	41.306	1576
1795	3.613	34.968	5.06	14.7	1.16	17.7	3.470	27.815	41.340	1774
1996	3.438	34.967	6.22	15.8	1.16	18.0	3.279	27.833	41.372	1971
2192	3.194	34.958	6.30	17.3	1.16	17.9	3.021	27.850	41.410	2164
2375	3.014	34.952	6.19	18.4	1.16	17.8	2.826	27.863	41.438	2344

ENDEAVOR 86 STA- 5 LAT= 37 53.4N LON= 73 6.9W SONIC DEPTH= 2364m
DATE 13/ 6/82

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	15.210	33.408	5.98	15.210	24.700	31.207	37.501	0.003	11.06	1
25	11.163	33.939	5.66	11.160	25.921	32.541	38.942	0.069	12.51	25
50	10.953	34.621	5.49	10.947	26.491	33.110	39.510	0.113	6.23	50
75	12.209	35.217	5.25	12.199	26.720	33.295	39.653	0.148	4.04	74
100	12.698	35.409	5.27	12.684	26.774	33.333	39.675	0.181	2.22	99
150	12.773	35.515	5.20	12.753	26.842	33.398	39.737	0.244	2.39	149
200	12.112	35.491	4.25	12.086	26.955	33.530	39.889	0.304	2.59	198
250	10.648	35.371	3.44	10.617	27.134	33.756	40.158	0.358	3.65	248
300	9.406	35.238	3.38	9.373	27.244	33.906	40.348	0.404	3.02	298
350	7.833	35.118	3.72	7.797	27.398	34.114	40.607	0.445	2.70	347
400	6.957	35.073	4.18	6.919	27.488	34.235	40.758	0.479	2.17	397
450	6.248	35.035	4.50	6.208	27.554	34.327	40.875	0.511	2.44	446
500	5.726	35.024	4.82	5.683	27.612	34.405	40.970	0.539	1.85	496
600	5.042	35.005	5.32	4.993	27.681	34.499	41.090	0.589	0.94	595
700	4.818	35.004	5.55	4.761	27.706	34.534	41.132	0.637	1.11	694
800	4.554	34.996	5.75	4.491	27.730	34.568	41.177	0.682	0.77	792
900	4.368	34.988	5.86	4.297	27.745	34.590	41.206	0.727	0.63	891
1000	4.269	34.983	5.97	4.190	27.753	34.602	41.222	0.771	0.59	990
1200	4.104	34.977	6.04	4.009	27.767	34.623	41.250	0.860	0.59	1188
1400	3.942	34.976	6.10	3.831	27.785	34.648	41.282	0.949	0.56	1385
1600	3.807	34.975	6.14	3.680	27.799	34.669	41.308	1.038	0.57	1582
1800	3.645	34.974	6.18	3.501	27.816	34.693	41.338	1.128	0.66	1779
2000	3.467	34.971	6.16	3.307	27.833	34.717	41.370	1.215	0.67	1976
2200	3.233	34.961	6.16	3.058	27.849	34.743	41.406	1.301	0.79	2172
2385	2.942	34.950	6.18	2.754	27.868	34.774	41.449	1.378	0.64	2354

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
9	14.761	33.529	5.83				14.759	24.891	37.714	9
103	12.690	35.392	5.08	3.2	0.49	7.7	12.676	26.762	39.664	102
203	12.085	35.486	4.31	7.3	0.91	14.5	12.059	26.956	39.892	202
300	9.573	35.252	3.31	12.2	1.38	20.8	9.539	27.227	40.321	297
402	7.007	35.071	4.12	14.5	1.53	23.4	6.968	27.479	40.746	398
500	5.856	35.022	4.75	13.6	1.43	21.8	5.813	27.594	40.943	495
600	5.030	35.001	5.33	11.8	1.23	18.2	4.931	27.678	41.089	595
698	4.737	34.994	5.74	11.1	1.25	17.4	4.681	27.707	41.140	691
798	4.499	34.991	5.75	11.0	1.22	18.3	4.436	27.732	41.183	790
891	4.350	34.980	5.90	11.9	1.23	18.6	4.280	27.741	41.203	883
1000	4.211	34.975	5.93	12.7	1.22	18.1	4.133	27.752	41.226	990
1097	4.139	34.975	5.09	12.0	1.18	18.4	4.053	27.761	41.241	1086
1196	4.061	34.973	5.02	12.1	1.15		3.967	27.768	41.255	1184
1301	3.981	34.973	6.08				3.879	27.777	41.271	1287
1598	3.793	34.965	6.07	13.0	1.25		3.666	27.793	41.303	1580
1798	3.639	34.969	6.14	13.4	1.13		3.496	27.813	41.336	1777
1993	3.462	34.969	6.09	15.4		18.0	3.303	27.832	41.369	1969
2182	3.271	34.961	6.15				3.097	27.845	41.399	2154
2388	2.928	34.946	5.16	20.7		17.2	2.740	27.866	41.448	2356

ENDEAVOR 86 STA- 6 LAT= 37 45.1N LON= 73 12.8W SONIC DEPTH= 2457m
DATE 14/ 6/82

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	17.261	34.741	5.67	17.261	25.254	31.695	37.926	0.003	3.34	1
25	14.725	35.365	6.10	14.722	26.315	32.817	39.105	0.062	14.86	25
50	14.502	35.881	5.33	14.495	26.763	33.266	39.555	0.096	2.90	50
75	14.779	35.994	5.25	14.768	26.791	33.285	39.566	0.128	1.28	74
100	15.025	35.077	5.18	15.009	26.801	33.288	39.562	0.160	0.58	99
150	14.820	36.023	5.18	14.797	26.806	33.300	39.579	0.224	0.85	149
200	14.552	35.957	5.18	14.522	26.816	33.317	39.605	0.288	0.86	198
250	14.085	35.855	5.05	14.049	26.838	33.354	39.654	0.352	2.12	248
300	12.468	35.616	3.76	12.427	26.985	33.549	39.896	0.414	3.45	298
350	10.716	35.383	3.35	10.673	27.133	33.753	40.153	0.468	2.81	347
400	9.475	35.240	3.33	9.430	27.236	33.897	40.336	0.516	2.97	397
450	8.308	35.144	3.60	8.261	27.348	34.048	40.526	0.559	2.71	446
500	6.944	35.065	4.10	6.896	27.484	34.233	40.757	0.596	2.75	496
600	5.755	35.036	4.80	5.703	27.619	34.411	40.976	0.656	1.61	595
700	5.248	35.029	5.19	5.190	27.676	34.487	41.070	0.708	1.25	694
800	4.919	35.021	5.46	4.853	27.709	34.533	41.128	0.757	1.08	793
900	4.582	35.000	5.71	4.510	27.731	34.568	41.176	0.803	0.81	891
1000	4.414	34.992	5.82	4.335	27.744	34.588	41.202	0.849	0.69	990
1200	4.188	34.983	6.01	4.093	27.763	34.616	41.240	0.940	0.58	1188
1400	3.984	34.978	5.11	3.873	27.782	34.644	41.276	1.030	0.65	1385
1600	3.830	34.977	5.14	3.702	27.799	34.667	41.306	1.120	0.56	1582
1800	3.697	34.976	6.11	3.553	27.813	34.687	41.331	1.210	0.61	1779
2000	3.529	34.973	6.15	3.369	27.828	34.710	41.361	1.299	0.64	1976
2200	3.318	34.966	6.17	3.142	27.844	34.735	41.395	1.387	0.72	2172
2400	2.990	34.952	6.17	2.800	27.865	34.770	41.442	1.472	0.79	2369
2497	2.945	34.950	6.13	2.746	27.868	34.775	41.450	1.512	0.27	2464

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	17.297	34.732	5.91	1.6	0.13		17.296	25.239	37.909	9
101	14.989	36.064	5.47	2.9	0.32	6.8	14.974	26.799	39.562	100
200	14.381	35.916	5.17	3.2	0.42	7.8	14.351	26.821	39.620	199
311	12.019	35.552	3.61	9.4	1.04	18.5	11.978	27.023	39.962	308
402	8.965	35.199	3.37	14.8	1.52	24.5	8.921	27.287	40.421	398
500	6.883	35.057	4.21		1.47	23.2	6.836	27.487	40.763	496
591	5.894	35.034	4.78	13.8	1.37	21.3	5.842	27.600	40.947	586
701	5.257	35.026	5.29	13.1	1.34	20.2	5.198	27.673	41.066	694
801	4.824	35.016	5.52	12.6	1.19	18.9	4.759	27.716	41.142	793
898	4.532	34.992	5.83	12.2	1.22	18.7	4.460	27.730	41.179	890
1003	4.369	34.987	5.98	12.0	1.15	18.3	4.290	27.745	41.207	993
1095	4.241	34.980	5.05	12.0	1.16	18.2	4.154	27.754	41.226	1084
1194	4.157	34.977	5.01	12.2	1.15	18.0	4.063	27.761	41.241	1182
1395	3.955	34.973	5.06	12.4	1.17	17.7	3.845	27.781	41.277	1380
1593	3.825	34.973	5.07	13.2	1.14	17.8	3.698	27.796	41.303	1575
1796	3.707	34.973	5.17	13.8	1.18	18.0	3.563	27.810	41.327	1775
1995	3.535	34.970	5.13	15.2	1.14	17.5	3.375	27.826	41.358	1971
2192	3.297	34.962	5.24	16.9	1.19	17.9	3.122	27.844	41.396	2164
2387	3.015	34.949	5.15	18.0	1.17	17.8	2.826	27.860	41.436	2355
2500	2.945	34.944	5.15	18.5	1.16	17.6	2.746	27.864	41.446	2467

ENDEAVOR 86 STA- 7
DATE 14/ 6/82

LAT= 37 35.7N LON= 73 17.8W

SONIC DEPTH= 2620m

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	18.125	35.718	5.57	18.125	25.792	32.202	38.403	0.002	2.48	1
25	17.350	35.876	6.06	17.346	26.104	32.532	38.750	0.052	8.38	25
50	15.320	36.111	5.31	15.312	26.760	33.238	39.504	0.092	5.65	50
75	15.510	36.209	5.09	15.498	26.794	33.266	39.526	0.123	1.04	74
100	15.545	36.223	5.09	15.529	26.797	33.269	39.528	0.155	0.52	99
150	15.499	36.210	5.10	15.476	26.800	33.273	39.533	0.219	0.40	149
200	15.424	36.190	5.13	15.392	26.803	33.278	39.541	0.284	0.46	198
250	15.214	36.131	5.11	15.175	26.806	33.288	39.557	0.350	0.47	248
300	14.837	36.036	5.09	14.791	26.818	33.311	39.591	0.416	1.23	298
350	13.850	35.847	4.29	13.799	26.885	33.407	39.715	0.481	3.02	347
400	12.203	35.590	3.55	12.149	27.020	33.592	39.948	0.541	3.20	397
450	10.473	35.360	3.35	10.419	27.161	33.789	40.197	0.595	2.91	446
500	9.081	35.213	3.44	9.026	27.282	33.956	40.409	0.642	2.78	496
600	6.856	35.068	4.17	6.799	27.500	34.252	40.779	0.720	2.67	595
700	5.590	35.014	4.90	5.530	27.623	34.421	40.993	0.781	1.81	694
800	5.039	35.008	5.33	4.973	27.685	34.505	41.096	0.833	1.28	793
900	4.738	35.003	5.56	4.664	27.717	34.548	41.150	0.882	0.93	891
1000	4.491	34.995	5.74	4.411	27.738	34.579	41.190	0.929	0.77	990
1200	4.241	34.986	5.91	4.145	27.760	34.611	41.232	1.021	0.60	1188
1400	4.071	34.981	5.01	3.959	27.775	34.634	41.262	1.112	0.62	1385
1600	3.897	34.977	5.06	3.769	27.792	34.658	41.294	1.204	0.54	1582
1800	3.785	34.977	5.06	3.640	27.805	34.676	41.317	1.296	0.60	1779
2000	3.611	34.975	5.06	3.449	27.822	34.701	41.349	1.387	0.69	1976
2200	3.433	34.969	5.07	3.255	27.837	34.723	41.378	1.477	0.74	2172
2400	3.084	34.956	5.11	2.893	27.860	34.761	41.430	1.564	0.82	2369
2600	2.807	34.943	6.12	2.601	27.876	34.789	41.469	1.646	0.73	2565
2635	2.803	34.943	6.13	2.594	27.876	34.789	41.470	1.661	0.28	2599

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	18.170	35.747	5.73		0.02	0.1	18.168	25.804	38.412	10
100	15.510	36.213	5.29	1.7	0.30	6.5	15.494	26.798	39.530	100
198	15.338	36.167	5.17	1.9	0.33	6.8	15.307	26.804	39.547	197
299	14.726	36.009	5.07	2.3	0.41	7.6	14.680	26.821	39.601	297
399	11.863	35.538	3.45	9.1	1.10	19.4	11.811	27.044	39.993	396
499	9.241	35.226	3.46	13.6	1.43	23.4	9.185	27.266	40.382	495
597	6.702	35.052	4.32	13.7	1.39	22.4	6.646	27.517	40.806	592
697	5.688	35.016	4.84	12.8	1.34	20.9	5.627	27.613	40.975	691
798	5.023	35.009	5.34	11.9	1.21	19.3	4.957	27.688	41.099	790
898	4.683	34.996	5.60	11.5	1.20	18.9	4.611	27.717	41.154	889
1009	4.463	34.992	5.74	11.3	1.16	18.3	4.382	27.739	41.194	999
1098	4.346	34.988	5.87	11.4	1.17	18.4	4.259	27.749	41.213	1087
1296	4.116	34.979	5.91	11.4	1.15	17.9	4.013	27.768	41.251	1282
1494	3.955	34.976	5.07	11.7	1.15	17.8	3.836	27.784	41.281	1477
1703	3.830	34.976	5.10	12.4	1.10	17.8	3.693	27.799	41.306	1683
1892	3.711	34.976	5.15	13.3	1.14	18.1	3.558	27.812	41.330	1870
2092	3.546	34.972	5.07	14.5	1.09	17.6	3.377	27.827	41.359	2066
2294	3.280	34.962	5.08	16.2	1.11	17.8	3.095	27.846	41.400	2265
2453	2.992	34.950	6.16	17.6	1.14	17.7	2.796	27.864	41.442	2420
2635	2.802	34.943	6.15	18.7	1.15	17.4	2.593	27.876	41.471	2599

ENDEAVOR 86 STA- 8 LAT= 37 26.8N LON= 73 22.9W SONIC DEPTH= 2614m
DATE 14/ 6/82

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	17.663	35.427	5.69	17.662	25.683	32.108	38.322	0.007	7.47	3
25	16.292	36.073	5.81	16.288	26.507	32.960	39.202	0.050	10.70	25
50	15.640	36.243	5.18	15.632	26.790	33.258	39.515	0.083	1.58	50
75	15.631	36.248	5.11	15.619	26.797	33.265	39.522	0.114	0.65	74
100	15.657	36.258	5.07	15.642	26.799	33.267	39.523	0.146	0.32	99
150	15.619	36.246	5.16	15.595	26.800	33.270	39.527	0.210	0.29	149
200	15.610	36.243	5.20	15.578	26.801	33.271	39.529	0.275	0.29	198
250	15.605	36.239	5.21	15.566	26.802	33.272	39.530	0.341	0.19	248
300	15.539	36.219	5.21	15.492	26.803	33.275	39.535	0.407	0.48	298
350	15.342	36.155	5.16	15.287	26.807	33.286	39.552	0.475	1.14	347
400	14.428	35.968	4.59	14.368	26.857	33.363	39.654	0.541	2.90	397
450	12.270	35.607	3.63	12.209	27.021	33.592	39.945	0.603	2.94	446
500	10.492	35.359	3.43	10.431	27.165	33.793	40.201	0.657	3.00	496
600	7.916	35.126	3.79	7.854	27.395	34.110	40.601	0.748	2.92	595
700	5.991	35.034	4.70	5.928	27.589	34.372	40.929	0.817	2.29	694
800	5.301	35.010	5.13	5.233	27.656	34.466	41.047	0.873	1.36	793
900	4.865	35.001	5.47	4.791	27.700	34.526	41.124	0.924	1.12	891
1000	4.672	35.009	5.64	4.590	27.730	34.563	41.168	0.973	0.91	990
1200	4.272	34.985	5.90	4.176	27.756	34.606	41.226	1.066	0.66	1188
1400	4.056	34.978	6.02	3.944	27.775	34.634	41.263	1.158	0.60	1385
1600	3.908	34.976	6.06	3.779	27.790	34.656	41.291	1.250	0.63	1582
1800	3.777	34.979	6.08	3.631	27.807	34.679	41.319	1.341	0.64	1779
2000	3.607	34.977	6.08	3.445	27.824	34.703	41.351	1.432	0.62	1976
2200	3.400	34.969	6.08	3.223	27.840	34.727	41.384	1.522	0.79	2172
2400	3.063	34.956	6.11	2.872	27.862	34.764	41.434	1.608	0.74	2369
2600	2.718	34.938	6.15	2.513	27.880	34.796	41.480	1.689	0.71	2565
2641	2.680	34.937	6.17	2.472	27.882	34.800	41.486	1.705	0.57	2605

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
9	17.674	35.582	5.97	0.5	0.17		17.672	25.800	38.435	8
104	15.718	36.275	5.16	2.6	0.34	6.3	15.702	26.798	39.519	103
204	15.657	36.255	5.20	2.7	0.35	6.4	15.625	26.800	39.525	202
301	15.610	36.240	5.15	2.7	0.33	6.2	15.563	26.803	39.531	298
401	14.120	35.916	4.39	5.3	0.64	12.0	14.061	26.883	39.698	397
501	10.396	35.358	3.40	12.3	1.32	22.4	10.335	27.174	40.215	497
601	7.861	35.121	3.96	14.7	1.46	23.2	7.799	27.399	40.609	595
700	6.246	35.037	4.58	13.9	1.43	22.0	6.181	27.559	40.881	693
798	5.335	35.008	5.09	13.1	1.24	19.4	5.267	27.650	41.039	791
1003	4.678	35.009	5.71	12.3	1.23	18.9	4.596	27.729	41.167	993
1084	4.447	34.992	5.79	12.1	1.15	18.1	4.350	27.741	41.198	1073
1102	4.355	34.984	5.81	12.1	1.21	18.3	4.267	27.745	41.209	1091
1297	4.105	34.979	5.82	11.9	1.11	17.7	4.002	27.769	41.253	1283
1494	3.968	34.977	6.01	12.4	1.15	17.6	3.849	27.784	41.279	1477
1683	3.833	34.975	5.90	13.0	1.11	17.5	3.698	27.798	41.305	1664
1894	3.669	34.979	6.05			17.3	3.516	27.819	41.340	1871
2091	3.509	34.972	5.97	17.1	1.29	17.0	3.340	27.831	41.365	2065
2292	3.241	34.961	5.08	17.1	1.17	17.5	3.057	27.849	41.406	2263
2460	2.968	34.952	6.13	18.2	1.15	17.5	2.773	27.868	41.447	2427
2644	2.681	34.938	6.18	20.0	1.14	17.1	2.473	27.883	41.487	2608

ENDEAVOR 86 STA- 9 LAT= 37 16.9N LON= 73 29.6W SONIC DEPTH= 2600m
DATE 14/ 6/82

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	17.887	35.923	5.93	17.886	26.008	32.423	38.627	0.002	1.59	1
25	17.414	36.027	5.82	17.410	26.205	32.630	38.845	0.049	9.68	25
50	15.744	36.282	5.06	15.736	26.795	33.261	39.514	0.085	3.08	50
75	15.745	36.284	5.12	15.733	26.798	33.263	39.517	0.117	0.48	74
100	15.750	36.286	5.10	15.735	26.799	33.264	39.518	0.148	0.22	99
150	15.747	36.283	5.12	15.724	26.800	33.265	39.519	0.212	0.27	149
200	15.740	36.280	5.24	15.709	26.800	33.266	39.520	0.277	0.16	198
250	15.750	36.281	5.26	15.711	26.801	33.267	39.521	0.343	0.27	248
300	15.729	36.273	5.23	15.682	26.801	33.268	39.523	0.410	0.20	298
350	15.721	36.269	5.19	15.665	26.802	33.269	39.524	0.477	-0.02	347
400	15.372	36.178	5.05	15.310	26.812	33.290	39.555	0.545	2.23	397
450	12.941	35.719	3.78	12.879	26.975	33.525	39.859	0.610	3.54	446
500	11.209	35.464	3.45	11.146	27.111	33.715	40.101	0.667	2.94	496
600	8.664	35.178	3.53	8.599	27.322	34.010	40.477	0.763	3.00	595
700	6.130	35.036	4.55	6.066	27.573	34.351	40.903	0.836	2.42	694
800	5.214	35.008	5.17	5.146	27.665	34.478	41.063	0.892	1.59	793
900	4.897	35.016	5.42	4.822	27.709	34.533	41.130	0.942	1.04	891
1000	4.586	34.996	5.65	4.505	27.728	34.565	41.174	0.990	0.87	990
1200	4.278	34.987	5.87	4.181	27.757	34.607	41.227	1.083	0.67	1188
1400	4.023	34.976	5.98	3.911	27.776	34.637	41.267	1.175	0.64	1385
1600	3.909	34.979	6.05	3.781	27.793	34.658	41.293	1.266	0.55	1582
1800	3.772	34.978	6.05	3.627	27.807	34.678	41.319	1.358	0.65	1779
2000	3.632	34.977	6.08	3.470	27.822	34.700	41.347	1.449	0.56	1976
2200	3.443	34.972	6.06	3.264	27.838	34.723	41.378	1.539	0.68	2172
2400	3.086	34.956	6.11	2.894	27.860	34.761	41.430	1.627	1.07	2369
2599	2.741	34.940	6.07	2.537	27.879	34.794	41.478	1.707	0.42	2564

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
9	17.755	35.899	5.89	0.1	0.09		17.753	26.023	38.648	9
103	15.735	35.284	5.14	2.4	0.17	6.0	15.719	26.801	39.521	102
199	15.727	36.278	5.15	2.4	0.23	6.3	15.696	26.802	39.523	198
298	15.705	36.265	5.18	2.5	0.22	6.1	15.658	26.801	39.524	296
401	15.118	36.138	4.92	3.3	0.30	7.9	15.056	26.838	39.595	398
498	11.231	35.465	3.55	10.8	0.97	19.7	11.168	27.108	40.096	494
597	8.710	35.182	3.56	14.9	1.47	24.8	8.645	27.318	40.470	592
696	6.660	35.060	4.40	14.3	1.33	22.5	6.594	27.522	40.815	690
795	5.423	35.013	5.03	13.4	1.26	20.5	5.354	27.644	41.026	788
895	5.020	35.022	5.39	13.1	1.21	19.5	4.945	27.699	41.112	887
998	4.619	34.992	5.66	12.3	1.13	18.6	4.538	27.722	41.165	988
1094	4.422	34.991	5.95	12.5	1.19	18.3	4.334	27.743	41.202	1083
1294	4.151	34.981	5.94	12.2	1.09	18.0	4.048	27.766	41.246	1280
1500	3.984	34.979	6.01	12.6	1.11	17.7	3.864	27.784	41.278	1483
1695	3.849	34.973	6.07	13.1	1.08	17.9	3.713	27.794	41.300	1676
1894	3.701	34.980	6.17	14.1	1.12	18.0	3.548	27.817	41.335	1871
2095	3.557	34.972	6.02	16.9	1.10	17.9	3.387	27.826	41.357	2069
2296	3.346	34.967	6.03	17.0	1.12	17.9	3.160	27.844	41.393	2267
2500	2.778	34.942		19.6	1.11	17.4	2.582	27.877	41.472	2466
2600	2.742	34.940	6.16	20.0	1.09	17.3	2.537	27.879	41.478	2565

ENDEAVOR 86 STA- 10
DATE 14/ 6/82

LAT= 37 7.3N LON= 73 35.3W

SONIC DEPTH= 2599m

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	17.717	35.925	5.76	17.717	26.052	32.470	38.678	0.002	5.06	1
25	17.452	36.037	5.96	17.448	26.203	32.627	38.841	0.047	3.34	25
50	16.354	36.151	5.54	16.346	26.554	33.005	39.244	0.090	8.96	50
75	15.565	36.218	5.22	15.553	26.788	33.259	39.517	0.123	1.90	74
100	15.583	36.232	5.20	15.568	26.796	33.266	39.524	0.155	0.70	99
150	15.626	36.247	5.18	15.602	26.799	33.269	39.526	0.219	0.31	149
200	15.597	36.239	5.23	15.566	26.801	33.272	39.530	0.284	0.34	198
250	15.535	36.219	5.13	15.495	26.802	33.275	39.535	0.350	0.36	248
300	15.430	36.190	5.15	15.383	26.805	33.281	39.544	0.416	0.45	298
350	15.157	36.118	5.11	15.103	26.812	33.296	39.567	0.483	1.30	347
400	14.018	35.892	4.23	13.960	26.886	33.403	39.706	0.550	3.38	397
450	11.974	35.565	3.56	11.914	27.045	33.625	39.988	0.609	2.97	446
500	10.516	35.373	3.42	10.455	27.165	33.791	40.198	0.663	3.10	496
600	7.888	35.123	3.74	7.826	27.397	34.112	40.604	0.752	2.81	595
700	6.224	35.042	4.50	6.160	27.565	34.341	40.889	0.821	2.12	694
800	5.217	35.007	5.15	5.149	27.664	34.476	41.061	0.877	1.47	793
900	4.852	35.002	5.44	4.778	27.702	34.529	41.127	0.928	1.17	891
1000	4.584	34.996	5.64	4.504	27.729	34.566	41.174	0.976	0.84	990
1200	4.273	34.989	5.89	4.177	27.759	34.608	41.229	1.069	0.75	1188
1400	4.051	34.979	6.01	3.940	27.776	34.635	41.264	1.161	0.58	1385
1600	3.893	34.976	6.06	3.765	27.792	34.658	41.294	1.252	0.62	1582
1800	3.747	34.977	6.08	3.603	27.809	34.681	41.323	1.343	0.63	1779
2000	3.578	34.975	6.07	3.417	27.826	34.705	41.354	1.434	0.60	1976
2200	3.409	34.971	6.09	3.231	27.840	34.727	41.383	1.523	0.70	2172
2400	3.163	34.958	6.09	2.969	27.855	34.753	41.419	1.611	0.94	2369
2600	2.659	34.935	6.16	2.456	27.882	34.801	41.488	1.692	0.76	2565
2613	2.641	34.935	6.15	2.436	27.883	34.803	41.490	1.697	0.35	2578

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	17.615	35.934	5.90	0.1	0.18	0.3	17.613	26.084	38.716	10
102	15.646	36.254	5.14	2.4	0.35	6.5	15.630	26.798	39.523	101
202	15.636	36.249	5.16	2.5	0.37	6.5	15.604	26.801	39.527	201
298	15.516	36.218	5.06				15.469	26.807	39.541	296
401	14.059	35.908	4.32	5.2	0.68	12.4	14.000	26.890	39.708	398
500	10.772	35.413	3.38	9.8	1.15	18.8	10.710	27.150	40.168	496
600	8.365	35.151	3.58	14.6	1.50	23.9	8.301	27.347	40.522	594
698	6.324	35.043	4.54				6.260	27.553	40.870	692
795	5.267	35.004	5.13				5.199	27.655	41.049	788
896	4.816	34.994	5.45	12.3	1.24	18.9	4.743	27.700	41.128	887
1009	4.602	35.000	5.65				4.520	27.730	41.174	999
1096	4.411	34.987	5.75				4.323	27.741	41.201	1085
1195	4.274	34.987	5.83	11.8	1.18	18.1	4.178	27.757	41.227	1183
1394	4.084	34.978	5.93	11.9	1.19	17.8	3.972	27.772	41.258	1379
1610	3.884	34.975	6.03	12.5	1.17	17.7	3.755	27.792	41.294	1591
1795	3.754	34.977		13.4	1.21	18.0	3.609	27.808	41.322	1774
1995	3.582	34.971	6.01	14.6	1.20	17.7	3.421	27.822	41.350	1971
2192	3.410	34.969	6.01				3.233	27.839	41.382	2164
2405	3.135	34.959	6.07	17.4	1.15	17.1	2.941	27.858	41.424	2373
2616	2.641	34.931	6.14	19.9	1.14	17.2	2.437	27.880	41.487	2581

ENDEAVOR 86 STA- 11 LAT= 36 59.0N LON= 73 38.1W SONIC DEPTH= 2754m
DATE 15/ 6/82

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	17.779	35.951	5.68	17.778	26.064	32.481	38.687	0.002	2.90	1
25	17.393	35.991	5.72	17.389	26.182	32.608	38.824	0.048	8.86	25
50	15.333	36.145	5.16	15.325	26.784	33.261	39.526	0.084	3.46	50
75	15.471	36.200	5.12	15.459	26.796	33.269	39.530	0.116	0.75	74
100	15.508	36.214	5.10	15.492	26.799	33.271	39.532	0.148	0.44	99
150	15.458	36.200	5.12	15.435	26.801	33.276	39.537	0.212	0.36	149
200	15.343	36.168	5.15	15.312	26.804	33.282	39.547	0.276	0.49	198
250	15.121	36.108	5.16	15.083	26.809	33.294	39.565	0.342	0.81	248
300	14.730	36.011	5.07	14.685	26.822	33.318	39.601	0.408	1.28	298
350	13.641	35.820	4.11	13.590	26.908	33.437	39.750	0.472	3.28	347
400	11.918	35.554	3.51	11.866	27.046	33.627	39.991	0.531	2.74	397
450	10.545	35.370	3.33	10.490	27.156	33.782	40.188	0.584	2.84	446
500	9.348	35.236	3.34	9.292	27.256	33.921	40.365	0.632	2.93	496
600	6.991	35.076	4.07	6.933	27.488	34.236	40.758	0.711	2.51	595
700	5.641	35.020	4.81	5.580	27.622	34.418	40.988	0.773	1.96	694
800	5.016	35.009	5.29	4.950	27.689	34.509	41.101	0.826	1.39	793
900	4.640	35.000	5.57	4.568	27.725	34.560	41.166	0.874	1.01	891
1000	4.428	34.990	5.73	4.348	27.742	34.585	41.199	0.920	0.71	990
1200	4.209	34.986	5.90	4.114	27.763	34.615	41.238	1.011	0.65	1188
1400	3.996	34.975	6.00	3.884	27.779	34.640	41.272	1.102	0.56	1385
1600	3.869	34.976	6.06	3.741	27.794	34.661	41.298	1.192	0.61	1582
1800	3.736	34.978	6.07	3.592	27.811	34.683	41.326	1.283	0.64	1779
2000	3.558	34.975	6.07	3.397	27.827	34.708	41.358	1.372	0.61	1976
2200	3.371	34.970	6.07	3.194	27.843	34.732	41.389	1.461	0.65	2172
2400	3.165	34.960	6.08	2.971	27.856	34.753	41.419	1.548	0.62	2369
2600	2.703	34.938	6.15	2.498	27.880	34.797	41.482	1.632	1.17	2565
2800	2.426	34.922	6.13	2.208	27.892	34.822	41.518	1.708	0.48	2761
2821	2.417	34.921	6.10	2.197	27.893	34.823	41.519	1.716	0.43	2781

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
6	17.822	35.939	5.78	0.1	0.20	0.1	17.821	26.037	38.658	6
101	15.552	36.228	5.19	2.6	0.34	6.5	15.537	26.800	39.530	101
202	15.378	36.177	5.17	2.7	0.35	6.7	15.347	26.803	39.544	201
299	14.830	36.032	5.10	3.0	0.39	7.3	14.784	26.816	39.590	297
399	12.419	35.646	3.59	8.5	0.92	17.5	12.365	27.021	39.935	396
500	9.601	35.259	3.40	14.0	1.35	23.3	9.543	27.232	40.325	495
596	6.922	35.072	4.17	14.7	1.36	22.6	6.865	27.495	40.769	591
697	5.515	35.012	4.98	13.5	1.30	20.7	5.455	27.631	41.006	690
798	4.981	35.001	5.36	12.7	1.22	19.3	4.915	27.686	41.101	791
896	4.694	34.997	5.57	12.4	1.19	18.9	4.622	27.716	41.153	887
1006	4.472	34.992	5.72	12.2	1.13	18.5	4.392	27.738	41.192	996
1195	4.171	34.978	5.94	12.1	1.13	18.1	4.077	27.761	41.239	1182
1393	3.997	34.977	5.94	12.4	1.11	17.9	3.887	27.780	41.272	1378
1591	3.875	34.973	6.02	12.9	1.14	17.6	3.748	27.791	41.294	1573
1803	3.724	34.975	6.02	14.0	1.12	17.8	3.579	27.810	41.326	1782
1991	3.559		6.12	15.2	1.15	17.9				1967
2196	3.394		5.91	16.7	1.12	17.8				2168
2393	3.191	34.959	6.07	17.8	1.14	17.7	2.998	27.853	41.414	2361
2603	2.689	34.943	6.16	20.3	1.14	17.5	2.485	27.886	41.489	2567
2824	2.409	34.918	6.01	23.5	1.13	17.4	2.189	27.891	41.518	2784

ENDEAVOR 86 STA- 12
DATE 15/ 6/82

LAT= 36 50.0N LON= 73 43.0W

SONIC DEPTH= 2775m

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	17.588	35.075	5.61	17.588	25.432	31.862	38.081	0.003	4.84	1
25	15.074	35.518	5.07	15.071	26.357	32.848	39.125	0.058	12.71	25
50	15.004	36.035	5.31	14.996	26.772	33.260	39.534	0.092	4.00	50
75	15.220	36.123	5.21	15.208	26.793	33.274	39.542	0.124	1.43	74
100	15.093	36.099	5.22	15.077	26.804	33.288	39.560	0.156	0.66	99
150	15.028	36.085	5.20	15.006	26.808	33.295	39.569	0.220	0.70	149
200	14.610	35.977	5.17	14.580	26.818	33.318	39.603	0.284	0.95	198
250	13.951	35.823	5.05	13.914	26.843	33.362	39.667	0.348	2.39	248
300	12.257	35.590	3.59	12.216	27.006	33.577	39.931	0.408	3.26	298
350	10.787	35.394	3.31	10.743	27.129	33.747	40.145	0.462	2.85	347
400	9.407	35.238	3.29	9.361	27.246	33.909	40.351	0.510	3.01	397
450	8.023	35.123	3.56	7.976	27.375	34.085	40.572	0.552	3.12	446
500	6.961	35.074	4.10	6.913	27.490	34.237	40.760	0.588	2.44	496
600	5.575	35.020	4.86	5.523	27.629	34.427	40.999	0.647	1.58	595
700	5.121	35.012	5.20	5.063	27.678	34.494	41.081	0.699	1.35	694
800	4.738	35.001	5.49	4.673	27.714	34.545	41.147	0.747	1.04	793
900	4.527	34.993	5.61	4.455	27.732	34.571	41.181	0.793	0.70	891
1000	4.372	34.988	5.81	4.293	27.746	34.591	41.207	0.839	0.73	990
1200	4.136	34.982	5.85	4.041	27.768	34.623	41.249	0.929	0.64	1188
1400	3.968	34.977	5.93	3.857	27.783	34.645	41.278	1.018	0.53	1385
1600	3.860	34.978	5.98	3.732	27.797	34.664	41.301	1.108	0.62	1582
1800	3.700	34.979	5.97	3.556	27.815	34.689	41.333	1.198	0.62	1779
2000	3.486	34.975	6.03	3.326	27.834	34.717	41.370	1.286	0.64	1976
2200	3.322	34.968	6.04	3.145	27.846	34.736	41.396	1.373	0.58	2172
2400	3.142	34.959	6.05	2.949	27.857	34.756	41.423	1.459	0.63	2369
2600	2.706	34.937	6.13	2.502	27.880	34.797	41.482	1.542	1.08	2565
2793	2.448	34.924	5.08	2.230	27.892	34.820	41.516	1.615	0.20	2754

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	17.744	35.221	5.74	0.8	0.16	0.1	17.742	25.506	38.144	9
102	15.253	36.140	5.22	1.3	0.09	3.7	15.238	26.799	39.546	101
201	14.658	35.984	5.13	2.8	0.31	7.4	14.628	26.814	39.596	199
300	12.267	35.590	3.62	8.7	0.95	17.9	12.227	27.004	39.928	297
400	9.526	35.248	3.28	14.2	1.41	24.4	9.481	27.234	40.331	397
500	7.024	35.078	4.12	14.6	1.41	23.0	6.976	27.484	40.750	496
600	5.810	35.036	4.81	13.7		21.0	5.757	27.612	40.965	594
697	5.141	35.006	5.27	12.8		20.0	5.083	27.671	41.073	690
799	4.725	34.996	5.65	12.2		18.8	4.661	27.711	41.145	791
898	4.571		5.71	12.2		18.5				889
983	4.447	34.989	5.76	12.0		18.5	4.368	27.738	41.194	974
1196	4.161	34.982	5.91	11.6		18.1	4.067	27.765	41.244	1184
1397	3.954	34.978	5.99	12.5		17.8	3.844	27.785	41.281	1382
1594	3.821	34.974	5.01	11.5			3.694	27.797	41.305	1577
1816	3.680	34.978	5.10	11.3			3.535	27.816	41.336	1795
1993	3.523	34.973	5.13	13.6			3.363	27.829	41.362	1969
2195	3.330	34.964	6.05	14.1			3.154	27.842	41.392	2167
2394	3.158	34.959	6.05	17.8		17.6	2.965	27.856	41.420	2363
2592	2.728	34.933	6.14	19.9		17.0	2.524	27.874	41.474	2557
2796	2.448	34.922	5.89	22.8		17.2	2.230	27.891	41.514	2757

ENDEAVOR 86 STA- 13
DATE 15/ 6/82

LAT= 36 40.5N LON= 73 48.9W

SONIC DEPTH= 2711m

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	19.012	35.003	5.46	19.012	25.022	31.418	37.604	0.003	4.12	1
25	14.095	34.395	6.33	14.092	25.701	32.230	38.543	0.069	13.73	25
50	11.225	34.704	5.20	11.219	26.506	33.116	39.507	0.113	5.92	50
75	12.429	35.253	5.27	12.419	26.705	33.273	39.624	0.149	4.19	74
100	12.921	35.477	5.18	12.908	26.782	33.333	39.669	0.181	2.39	99
150	12.962	35.566	5.07	12.942	26.844	33.394	39.727	0.244	2.71	149
200	11.875	35.514	3.80	11.849	27.018	33.601	39.965	0.302	3.07	198
250	10.520	35.362	3.34	10.490	27.150	33.775	40.181	0.354	2.94	248
300	9.113	35.205	3.32	9.080	27.266	33.939	40.390	0.399	2.64	298
350	8.125	35.131	3.55	8.089	27.363	34.070	40.553	0.440	2.84	347
400	7.016	35.072	4.05	6.978	27.479	34.224	40.745	0.476	2.74	397
450	6.144	35.040	4.48	6.104	27.571	34.348	40.899	0.507	2.29	446
500	5.537	35.012	4.85	5.495	27.626	34.425	40.998	0.534	1.58	496
600	4.992	34.995	5.25	4.944	27.678	34.499	41.091	0.584	1.14	595
700	4.695	34.992	5.49	4.640	27.710	34.543	41.146	0.631	1.00	694
800	4.571	34.995	5.60	4.508	27.727	34.565	41.173	0.677	0.82	793
900	4.341	34.984	5.77	4.270	27.745	34.591	41.208	0.722	0.74	891
1000	4.283	34.989	5.82	4.204	27.756	34.605	41.224	0.766	0.63	990
1200	4.100	34.985	5.91	4.006	27.774	34.630	41.257	0.854	0.60	1188
1400	3.911	34.978	5.99	3.801	27.789	34.654	41.289	0.942	0.62	1385
1600	3.790	34.981	5.99	3.663	27.806	34.676	41.315	1.030	0.59	1582
1800	3.650	34.978	6.02	3.506	27.819	34.695	41.341	1.118	0.59	1779
2000	3.487	34.975	6.01	3.327	27.834	34.717	41.370	1.206	0.61	1976
2200	3.315	34.967	6.02	3.139	27.846	34.737	41.396	1.292	0.57	2172
2400	3.145	34.958	6.05	2.952	27.856	34.754	41.421	1.378	0.77	2369
2600	2.557	34.930	6.11	2.355	27.886	34.809	41.500	1.459	1.09	2565
2719	2.343	34.918	6.08	2.134	27.895	34.827	41.527	1.503	0.68	2682

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	18.826	34.918	5.35	1.1	0.21	0.1	18.825	25.004	37.597	9
102	13.099	35.536	5.16	3.6	0.49	8.3	13.085	26.792	39.668	101
202	12.089	35.541	3.91	8.6	0.93	16.4	12.062	26.998	39.932	200
301	9.156	35.213	3.24	15.2	1.44	23.9	9.122	27.266	40.386	298
398	7.033	35.069	4.04	14.9	1.42	22.9	6.995	27.474	40.739	395
500	5.568	35.009	4.89				5.526	27.620	40.990	495
597	5.058	34.995	5.17	12.4	1.19	18.8	5.009	27.670	41.079	592
697	4.735	34.991	5.48	12.1	1.18	18.7	4.679	27.705	41.138	691
799	4.580	34.991	5.64	11.9	1.14	18.0	4.517	27.723	41.168	791
888	4.409	34.986	5.73	11.8	1.15	18.0	4.339	27.739	41.197	879
997	4.287	34.986	5.82	11.7	1.11	17.7	4.209	27.753	41.221	987
1147	4.170	34.988	5.85	11.9	1.11	17.6	4.079	27.768	41.246	1135
1296	3.995	34.977	5.99	12.1	1.09	17.4	3.894	27.779	41.271	1282
1495	3.846	34.976	5.86	12.8	1.10	17.3	3.728	27.795	41.300	1479
1695	3.722	34.979	5.80	13.7	1.09	17.4	3.587	27.812	41.327	1675
1894	3.570	34.975	6.02	14.8	1.12	17.6	3.419	27.825	41.354	1872
2091	3.410	34.970	6.00	16.0	1.09	17.2	3.242	27.838	41.381	2065
2293	3.227	34.963	6.02	17.2	1.10	17.4	3.043	27.852	41.410	2264
2492	2.930	34.948	6.06	18.7	1.09	17.0	2.732	27.868	41.451	2459
2723	2.342	34.919	6.13	24.9	1.19	17.2	2.132	27.896	41.528	2685

ENDEAVOR 86 STA- 14
DATE 15/ 6/82

LAT= 37 10.4N LON= 74 30.3W

SONIC DEPTH= 755m

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	18.725	33.848	4.10	18.724	24.212	30.625	36.829	0.004	9.90	1
25	17.327	35.099	5.52	17.323	25.514	31.950	38.175	0.077	14.17	25
50	15.005	35.510	4.69	14.998	26.367	32.860	39.139	0.125	6.60	50
75	14.108	35.589	4.31	14.097	26.623	33.139	39.441	0.163	4.82	74
100	13.446	35.585	4.35	13.432	26.758	33.294	39.614	0.197	2.52	99
150	13.109	35.581	4.39	13.088	26.826	33.371	39.701	0.261	2.10	149
200	12.461	35.540	4.26	12.434	26.925	33.490	39.838	0.323	2.59	198
250	11.801	35.520	3.61	11.769	27.038	33.622	39.990	0.379	3.13	248
300	10.077	35.308	3.25	10.042	27.186	33.826	40.247	0.430	3.05	298
350	8.357	35.146	3.48	8.320	27.340	34.038	40.514	0.474	3.09	347
400	7.330	35.086	3.86	7.291	27.445	34.180	40.690	0.511	2.40	397
450	6.526	35.057	4.24	6.485	27.534	34.297	40.835	0.544	2.27	446
500	5.914	35.038	4.64	5.870	27.600	34.386	40.945	0.574	2.01	496
600	5.224	35.009	5.08	5.175	27.662	34.474	41.057	0.626	1.23	595
700	4.941	34.999	5.29	4.884	27.688	34.511	41.105	0.675	1.04	694
781	4.624	34.989	5.48	4.561	27.717	34.552	41.159	0.714	1.51	774

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
9	18.013	34.272	5.41	0.8	0.32	0.1	18.012	24.713	37.356	9
101	12.947	35.459	4.85	3.8	0.64	9.7	12.933	26.763	39.649	100
150	12.953	35.552	4.47	4.5	0.74	9.4	12.932	26.835	39.719	149
202	12.734	35.609	3.92	6.7	0.91	14.3	12.706	26.925	39.820	200
300	10.185	35.322	3.21	13.4	1.43	23.1	10.149	27.178	40.232	297
398	7.298	35.073	3.87	14.9	1.56	23.2	7.259	27.440	40.687	395
500	5.872	35.038	4.55	13.4	1.41	20.4	5.828	27.605	40.953	495
598	5.194	35.005	5.17	11.9	1.29		5.144	27.662	41.060	593
695	4.919	35.004	5.20				4.862	27.695	41.113	689
785	4.614	34.987	5.40				4.551	27.716	41.159	777

ENDEAVOR 86 STA- 15
DATE 15/ 6/82

LAT= 37 12.0N LON= 74 17.7W

SONIC DEPTH= 1535m

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	18.365	34.719	5.57	18.365	24.968	31.381	37.586	0.003	9.51	1
25	16.928	35.544	5.83	16.924	25.951	32.393	38.623	0.066	13.74	25
50	13.274	35.404	5.26	13.267	26.652	33.194	39.520	0.105	4.08	50
75	13.662	35.654	5.10	13.651	26.767	33.295	39.609	0.139	3.07	74
100	14.050	35.795	5.04	14.035	26.795	33.311	39.613	0.171	1.60	99
150	14.172	35.852	5.07	14.150	26.815	33.327	39.626	0.234	0.86	149
200	14.001	35.811	5.10	13.972	26.821	33.339	39.642	0.298	1.28	198
250	13.189	35.673	4.67	13.154	26.884	33.427	39.753	0.361	2.42	248
300	11.946	35.537	3.64	11.906	27.025	33.605	39.968	0.420	3.43	298
350	10.550	35.366	3.29	10.508	27.150	33.775	40.180	0.473	2.78	347
400	9.148	35.211	3.34	9.104	27.267	33.939	40.389	0.520	2.84	397
450	7.732	35.107	3.73	7.686	27.405	34.125	40.622	0.560	2.96	446
500	6.843	35.062	4.09	6.796	27.496	34.248	40.775	0.595	2.64	496
600	5.512	35.019	4.90	5.461	27.635	34.436	41.010	0.653	1.77	595
700	4.866	34.997	5.37	4.809	27.695	34.521	41.118	0.703	1.08	694
800	4.673	34.990	5.53	4.609	27.713	34.546	41.150	0.750	0.73	793
900	4.543	34.987	5.62	4.471	27.725	34.564	41.173	0.797	0.66	891
1000	4.427	34.984	5.72	4.347	27.737	34.580	41.194	0.843	0.57	990
1200	4.268	34.983	5.84	4.172	27.754	34.604	41.225	0.936	0.66	1188
1400	4.062	34.978	5.92	3.950	27.774	34.633	41.262	1.029	0.57	1385
1521	4.001	34.978	5.95	3.879	27.782	34.643	41.275	1.085	0.57	1504

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
9	17.930	34.997	5.00				17.929	25.288	37.922	9
101	13.778	35.711	4.70	3.0	0.37	6.9	13.763	26.787	39.622	100
202	13.965	35.803	4.71	4.5	0.54	10.3	13.935	26.822	39.646	200
300	12.270	35.567	3.63	12.6	1.21	21.3	12.230	26.986	39.910	297
398	9.236	35.222	3.16	15.0	1.47	23.8	9.191	27.261	40.378	395
499	6.797	35.058	3.78	14.1	1.36	21.6	6.750	27.499	40.782	494
595	5.579	35.019	4.50	12.9	1.27	19.9	5.528	27.627	40.997	590
696	4.836	34.994	5.02	12.0	1.20		4.780	27.696	41.121	690
797	4.686	34.988	5.33				4.622	27.709	41.146	789
895	4.570	34.983	5.43				4.498	27.719	41.165	886
997	4.452	34.982	5.49	12.2	1.22	18.0	4.372	27.732	41.188	987
1096	4.355	34.982	5.54				4.268	27.744	41.207	1085
1313	4.157	34.977	5.72				4.052	27.763	41.243	1300
1524	4.001	34.978	5.75	12.9	1.23	17.5	3.878	27.781	41.275	1507

ENDEAVOR 86 STA- 16 LAT= 37 12.7N LON= 74 5.9W SONIC DEPTH= 1731m
DATE 15/ 6/82

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	18.184	35.101	5.53	18.184	25.305	31.720	37.925	0.003	10.96	1
25	17.019	35.527	5.84	17.015	25.916	32.356	38.585	0.059	11.15	25
50	15.259	36.107	5.06	15.251	26.771	33.251	39.518	0.097	4.07	50
75	15.378	36.168	4.97	15.366	26.792	33.268	39.532	0.129	1.22	74
100	15.418	36.185	4.99	15.403	26.797	33.272	39.535	0.161	0.61	99
150	15.370	36.175	5.03	15.347	26.801	33.278	39.542	0.225	0.41	149
200	15.194	36.126	5.05	15.163	26.805	33.287	39.556	0.289	0.47	198
250	14.820	36.030	5.06	14.782	26.815	33.308	39.588	0.355	0.97	248
300	14.250	35.900	4.84	14.206	26.840	33.351	39.647	0.420	2.10	298
350	12.790	35.659	3.85	12.741	26.957	33.511	39.849	0.482	2.88	347
400	11.242	35.454	3.35	11.191	27.094	33.697	40.082	0.539	2.92	397
450	9.859	35.287	3.30	9.807	27.209	33.858	40.285	0.589	2.86	446
500	8.308	35.143	3.53	8.255	27.348	34.049	40.527	0.633	2.85	496
600	6.329	35.045	4.41	6.274	27.553	34.324	40.869	0.705	2.37	595
700	5.329	35.011	5.00	5.270	27.652	34.460	41.041	0.761	1.47	694
800	4.902	35.000	5.34	4.836	27.694	34.519	41.115	0.811	1.08	793
900	4.704	35.004	5.52	4.631	27.721	34.554	41.157	0.860	0.96	891
1000	4.555	35.005	5.64	4.474	27.739	34.578	41.187	0.906	0.74	990
1200	4.237	34.986	5.84	4.141	27.760	34.612	41.233	0.998	0.67	1188
1400	4.042	34.980	5.92	3.931	27.778	34.637	41.267	1.090	0.55	1385
1600	3.898	34.972	5.97	3.770	27.788	34.654	41.289	1.181	0.68	1582
1741	3.782	34.974	5.97	3.643	27.803	34.674	41.314	1.246	0.63	1721

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
22	17.752	35.805	5.89				17.748	25.952	38.579	22
103	15.524	36.219	4.98				15.508	26.799	39.531	103
203	15.089	36.101	4.99				15.057	26.809	39.567	201
303	14.294	35.921	4.60				14.249	26.847	39.651	300
402	10.826	35.396	3.20				10.777	27.125	40.139	398
502	8.080	35.119	3.53				8.028	27.363	40.558	498
600	6.497	35.049	4.22				6.441	27.534	40.838	595
698	5.460	35.012	4.88				5.401	27.637	41.016	691
811	4.891	34.998	5.24				4.824	27.694	41.116	803
894	4.750	35.005	5.48				4.678	27.716	41.149	885
999	4.494	34.997	5.57				4.414	27.740	41.192	989
1096	4.368	34.994	5.62				4.281	27.752	41.214	1084
1197	4.234	34.990	5.72				4.139	27.764	41.237	1185
1294	4.132	34.987	5.81				4.029	27.773	41.255	1280
1395	4.045	34.979	5.78				3.934	27.777	41.266	1380
1494	3.960	34.978	5.82				3.841	27.785	41.281	1477
1578	3.911	34.977	5.82				3.785	27.790	41.291	1560
1745	3.782	34.978	5.77				3.641	27.806	41.317	1725

ENDEAVOR 86 STA- 17
DATE 16/ 6/82

LAT= 37 13.5N LON= 73 53.9W

SONIC DEPTH= 2104m

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	18.269	35.987	5.74	18.268	25.963	32.367	38.562	0.002	6.90	1
25	16.922	36.024	5.64	16.918	26.321	32.758	38.985	0.048	9.52	25
50	15.353	36.145	5.23	15.345	26.779	33.256	39.521	0.082	2.28	50
75	15.520	36.213	5.18	15.508	26.795	33.267	39.526	0.114	1.08	74
100	15.584	36.237	5.19	15.568	26.799	33.269	39.527	0.146	0.36	99
150	15.560	36.228	5.16	15.536	26.800	33.271	39.530	0.210	0.29	149
200	15.483	36.205	5.10	15.452	26.801	33.275	39.536	0.275	0.45	198
250	15.419	36.186	5.14	15.380	26.803	33.279	39.542	0.340	0.44	248
300	15.061	36.092	5.11	15.015	26.812	33.298	39.572	0.407	0.99	298
350	14.661	35.992	5.08	14.609	26.824	33.322	39.607	0.473	1.65	347
400	13.031	35.723	3.73	12.976	26.959	33.506	39.837	0.537	3.48	397
450	11.219	35.455	3.41	11.162	27.101	33.705	40.090	0.594	3.29	446
500	9.519	35.250	3.31	9.461	27.239	33.898	40.337	0.644	2.78	496
600	7.160	35.070	4.01	7.101	27.460	34.202	40.718	0.728	2.87	595
700	5.700	35.017	4.77	5.639	27.612	34.406	40.974	0.791	2.01	694
800	5.034	35.001	5.25	4.968	27.680	34.499	41.091	0.844	1.26	793
900	4.759	34.998	5.47	4.686	27.710	34.540	41.142	0.893	0.95	891
1000	4.568	34.995	5.62	4.487	27.730	34.568	41.177	0.941	0.77	990
1200	4.281	34.986	5.83	4.185	27.756	34.605	41.225	1.035	0.72	1188
1400	4.025	34.972	5.98	3.913	27.773	34.633	41.263	1.127	0.57	1385
1600	3.899	34.971	6.03	3.770	27.787	34.653	41.289	1.219	0.58	1582
1800	3.800	34.974	6.03	3.655	27.801	34.672	41.312	1.311	0.57	1779
2000	3.662	34.971	5.03	3.499	27.814	34.691	41.337	1.404	0.59	1976
2145	3.476	34.969	5.92	3.302	27.832	34.716	41.370	1.470	1.06	2118

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	17.776	35.955	5.58	0.1	0.17		17.774	26.061	38.684	10
102	15.571	36.236	5.00	3.5	0.38	6.1	15.555	26.802	39.531	101
202	15.410	36.192	5.01	3.0	0.37	6.6	15.378	26.808	39.547	200
301	15.161	36.115	4.95	3.2	0.39	6.7	15.114	26.807	39.562	299
399	13.362	35.768	3.81	6.9	0.83	15.1	13.305	26.927	39.785	396
499	9.550	35.253	3.27				9.493	27.236	40.332	494
599	7.044	35.075	3.94	14.7	1.35	22.3	6.986	27.480	40.746	594
700	5.638	35.021	4.75	13.5	1.35	20.6	5.577	27.623	40.989	693
799	5.026	35.009	5.13	12.8	1.25	18.8	4.960	27.687	41.099	791
899	4.786	35.014	5.35	12.8	1.21	18.4	4.713	27.720	41.149	891
999	4.594	35.000	5.29	12.3	1.20	18.2	4.513	27.731	41.176	989
1098	4.381	34.988	5.56	12.6	1.21	17.9	4.293	27.746	41.207	1087
1194	4.276	34.992	5.56	12.2	1.19	17.7	4.181	27.761	41.231	1182
1295	4.124	34.979	5.67	12.2	1.20	17.3	4.021	27.767	41.250	1281
1397	4.036	34.977	5.70	12.6	1.18	17.2	3.925	27.776	41.266	1382
1496	3.970	34.976	5.88	13.3	1.23	17.5	3.850	27.783	41.278	1480
1595	3.917	34.975	5.82	12.8	1.17	17.1	3.789	27.788	41.288	1577
1797	3.800	34.980	5.74	14.0	1.20	17.2	3.655	27.806	41.316	1776
1994	3.664	34.974	5.83	15.2	1.21	16.9	3.502	27.816	41.339	1970
2149	3.472	34.973	5.80	16.0	1.20	17.1	3.298	27.836	41.374	2122

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DATE 16/ 6/82

LAT= 37 14.6N LON= 73 41.3W

SONIC DEPTH= 2525m

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	17.831	35.853	5.70	17.831	25.968	32.385	38.591	0.002	5.10	1
25	16.285	36.192	5.39	16.281	26.601	33.053	39.293	0.046	10.00	25
50	15.745	36.278	4.95	15.737	26.792	33.258	39.511	0.078	1.23	50
75	15.734	36.279	4.94	15.723	26.796	33.262	39.516	0.110	0.56	74
100	15.729	36.277	4.93	15.713	26.797	33.263	39.517	0.141	0.28	99
150	15.721	36.274	4.99	15.697	26.798	33.265	39.519	0.206	0.26	149
200	15.704	36.267	5.09	15.673	26.799	33.266	39.521	0.271	0.26	198
250	15.670	36.256	5.12	15.631	26.800	33.268	39.524	0.336	0.16	248
300	15.656	36.250	5.08	15.608	26.800	33.269	39.526	0.403	0.24	298
350	15.625	36.239	5.11	15.570	26.801	33.271	39.529	0.470	0.47	347
400	15.236	36.140	5.00	15.174	26.813	33.295	39.564	0.539	1.81	397
450	13.247	35.762	3.87	13.183	26.947	33.487	39.813	0.604	3.54	446
500	11.219	35.461	3.47	11.155	27.107	33.711	40.096	0.662	3.23	496
600	8.561	35.170	3.52	8.496	27.332	34.024	40.494	0.758	2.70	595
700	6.342	35.042	4.43	6.277	27.550	34.321	40.866	0.832	2.44	694
800	5.373	35.013	5.02	5.305	27.649	34.456	41.035	0.890	1.64	793
900	5.007	35.015	5.30	4.932	27.695	34.516	41.109	0.941	1.09	891
1000	4.627	34.998	5.59	4.545	27.726	34.561	41.168	0.991	0.99	990
1200	4.291	34.988	5.81	4.195	27.756	34.606	41.225	1.084	0.67	1188
1400	4.065	34.979	5.93	3.953	27.774	34.633	41.262	1.177	0.66	1385
1600	3.875	34.975	6.00	3.747	27.793	34.660	41.296	1.268	0.63	1582
1800	3.742	34.977	6.00	3.597	27.809	34.682	41.324	1.359	0.58	1779
2000	3.639	34.976	6.00	3.476	27.821	34.698	41.345	1.450	0.60	1976
2200	3.399	34.968	6.01	3.221	27.839	34.726	41.383	1.540	0.72	2172
2400	3.166	34.957	6.02	2.973	27.854	34.751	41.417	1.628	0.89	2369
2539	2.918	34.946	5.98	2.716	27.868	34.776	41.453	1.686	0.64	2505

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	17.702	35.952	5.66	0.1	0.12		17.700	26.077	38.704	10
103	15.701	36.268	5.03	2.1	0.25	5.4	15.685	26.797	39.518	103
200	15.688	36.261	5.23	2.5	0.29	6.4	15.656	26.798	39.521	199
301	15.624	36.238	5.03	2.6	0.29	6.3	15.576	26.798	39.526	299
398	15.078	36.109	4.80	3.4	0.31	8.1	15.016	26.825	39.584	395
498	11.427	35.501	3.38	10.1	0.94	19.3	11.363	27.100	40.076	493
598	8.634	35.178	3.41	14.4	1.26	23.5	8.569	27.327	40.484	592
698	6.241	35.032	4.38	13.8	1.27	22.1	6.178	27.555	40.878	692
798	5.365	35.011	4.91	12.9	1.18	20.4	5.296	27.649	41.036	790
896	4.986	35.013	5.22	12.4	1.17	19.5	4.912	27.696	41.111	887
996	4.679	35.001	5.41	12.2	1.13	18.9	4.597	27.722	41.161	986
1098	4.456	34.991	5.60	11.9	1.11	18.4	4.368	27.740	41.196	1086
1196	4.308	34.983	5.68	12.1	1.10	18.2	4.212	27.750	41.218	1183
1296	4.209	34.982	5.70	11.9	1.08	17.7	4.105	27.761	41.237	1282
1495	3.985	34.976	5.85				3.865	27.781	41.276	1479
1695	3.818	34.974	5.95	13.0	1.07	17.5	3.682	27.798	41.307	1676
1894	3.706	34.975	5.85	13.2			3.552	27.812	41.330	1872
2093	3.530	34.971	5.84	15.1	1.05	17.3	3.360	27.828	41.361	2067
2295	3.325	34.962	5.86	16.4	1.06	17.1	3.140	27.842	41.392	2266
2544	2.917	34.944	5.87	18.8		16.3	2.714	27.866	41.451	2509

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DATE 16/ 6/82

LAT= 37 15.3N LON= 73 28.9W

SONIC DEPTH= 2609m

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	17.504	35.990	5.71	17.504	26.154	32.576	38.789	0.002	4.27	1
25	16.517	36.155	5.42	16.513	26.518	32.964	39.200	0.044	8.16	25
50	15.708	36.260	5.02	15.700	26.787	33.254	39.508	0.077	3.07	50
75	15.727	36.277	5.01	15.715	26.797	33.263	39.517	0.109	0.41	74
100	15.721	36.275	5.03	15.705	26.797	33.264	39.518	0.141	0.21	99
150	15.725	36.275	5.11	15.702	26.798	33.265	39.519	0.205	0.24	149
200	15.713	36.270	5.13	15.682	26.799	33.266	39.521	0.270	0.25	198
250	15.675	36.257	5.12	15.635	26.800	33.268	39.524	0.336	0.19	248
300	15.641	36.246	5.14	15.594	26.800	33.270	39.527	0.402	0.14	298
350	15.639	36.243	5.13	15.584	26.800	33.270	39.528	0.470	0.50	347
400	15.384	36.174	5.11	15.321	26.806	33.284	39.549	0.538	1.17	397
450	14.054	35.899	4.33	13.988	26.885	33.402	39.704	0.605	3.52	446
500	11.878	35.550	3.57	11.812	27.053	33.636	40.002	0.666	3.52	496
600	8.358	35.152	3.59	8.294	27.349	34.048	40.525	0.763	3.11	595
700	6.037	35.031	4.56	5.974	27.581	34.363	40.918	0.833	2.36	694
800	5.165	35.006	5.14	5.098	27.669	34.484	41.070	0.888	1.29	793
900	4.969	35.018	5.33	4.894	27.702	34.524	41.118	0.939	1.14	891
1000	4.637	35.005	5.58	4.556	27.730	34.565	41.172	0.987	0.82	990
1200	4.296	34.983	5.81	4.200	27.751	34.600	41.220	1.081	0.64	1188
1400	4.097	34.979	5.93	3.985	27.772	34.629	41.257	1.174	0.65	1385
1600	3.928	34.976	5.99	3.800	27.788	34.653	41.287	1.267	0.63	1582
1800	3.792	34.977	6.01	3.646	27.805	34.675	41.316	1.359	0.59	1779
2000	3.637	34.975	6.02	3.475	27.819	34.697	41.344	1.451	0.65	1976
2200	3.447	34.970	6.00	3.269	27.836	34.722	41.376	1.541	0.70	2172
2400	3.049	34.953	6.05	2.858	27.861	34.763	41.434	1.628	0.95	2369
2600	2.707	34.936	6.09	2.503	27.879	34.796	41.481	1.709	0.54	2565
2641	2.684	34.935	6.09	2.476	27.880	34.798	41.484	1.725	0.70	2605

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
8	17.492	35.988	5.77	0.1	0.09	0.1	17.491	26.155	38.792	8
102	15.719	36.273	4.99	2.4	0.27	6.5	15.703	26.796	39.517	102
198	15.711	36.277	4.99	2.5	0.28	6.5	15.680	26.805	39.527	197
299	15.643	36.258	5.01	2.5	0.28	6.3	15.596	26.809	39.536	297
401	15.149	36.137	4.89	2.9	0.33	7.5	15.087	26.831	39.586	398
499	11.679	35.534	3.41	9.3	0.91	18.6	11.613	27.078	40.039	494
597	8.705	35.199	3.40	14.4	1.30	24.1	8.640	27.332	40.484	591
695	6.207	35.038	4.38	13.7	1.30	22.7	6.143	27.564	40.890	689
798	5.330	35.017	4.99	12.9	1.21	20.8	5.262	27.658	41.047	791
897	4.901	35.024	5.25	12.3	1.18	19.9	4.827	27.715	41.135	888
1006	4.656	35.009	5.33	12.6	1.15	19.0	4.574	27.731	41.171	996
1097	4.474	35.006	5.42	11.9	1.11	19.0	4.385	27.750	41.204	1086
1295	4.221	34.992	5.77				4.117	27.768	41.242	1281
1494	4.017	34.986		12.0	1.07	17.5	3.897	27.786	41.277	1478
1686	3.868	34.984	5.83	13.1	1.08	18.0	3.733	27.801	41.305	1667
1895	3.726	34.984	5.84	13.5	1.10	18.6	3.572	27.817	41.334	1873
2074	3.575	34.976	5.82	14.7	1.09	18.2	3.406	27.827	41.357	2049
2294	3.289	34.968	5.75	16.1	1.07	17.8	3.104	27.850	41.403	2264
2452	2.970	34.951	5.90	18.3	1.09	17.8	2.775	27.867	41.446	2419
2644	2.683	34.939	5.93				2.475	27.883	41.487	2607

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DATE 16/ 6/82

LAT= 37 16.5N LON= 73 16.7W

SONIC DEPTH= 2714m

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	17.765	35.823	5.65	17.764	25.962	32.380	38.588	0.002	4.06	1
25	17.421	35.836	5.77	17.417	26.057	32.483	38.700	0.049	8.12	25
50	15.627	36.227	5.04	15.619	26.781	33.250	39.506	0.088	4.46	50
75	15.617	36.242	5.00	15.605	26.795	33.264	39.521	0.120	0.70	74
100	15.612	36.242	4.96	15.596	26.797	33.266	39.523	0.151	0.44	99
150	15.591	36.236	5.08	15.567	26.799	33.269	39.527	0.216	0.40	149
200	15.564	36.227	5.09	15.533	26.800	33.271	39.530	0.280	0.27	198
250	15.464	36.198	5.13	15.425	26.802	33.276	39.538	0.346	0.40	248
300	15.274	36.145	5.12	15.228	26.805	33.286	39.553	0.413	0.95	298
350	14.739	36.012	5.05	14.685	26.822	33.318	39.601	0.479	1.40	347
400	13.190	35.746	3.80	13.133	26.945	33.487	39.814	0.544	3.52	397
450	11.564	35.503	3.48	11.506	27.074	33.667	40.042	0.602	2.94	446
500	9.936	35.294	3.32	9.877	27.204	33.849	40.275	0.653	2.91	496
600	7.403	35.096	3.93	7.343	27.446	34.179	40.687	0.739	2.88	595
700	5.801	35.027	4.72	5.739	27.608	34.398	40.962	0.803	1.89	694
800	5.076	35.007	5.22	5.009	27.680	34.498	41.088	0.856	1.42	793
900	4.776	35.009	5.47	4.703	27.717	34.546	41.147	0.905	0.93	891
1000	4.501	34.988	5.68	4.421	27.732	34.572	41.184	0.953	0.82	990
1200	4.228	34.985	5.87	4.133	27.760	34.612	41.234	1.045	0.68	1188
1400	4.034	34.978	5.99	3.922	27.777	34.637	41.267	1.136	0.60	1385
1600	3.877	34.973	6.04	3.749	27.791	34.657	41.294	1.228	0.57	1582
1800	3.753	34.976	6.05	3.608	27.807	34.680	41.321	1.319	0.58	1779
2000	3.622	34.976	6.05	3.460	27.822	34.700	41.348	1.410	0.62	1976
2200	3.435	34.968	6.08	3.257	27.836	34.722	41.377	1.500	0.67	2172
2400	3.232	34.960	6.09	3.037	27.850	34.745	41.409	1.589	0.76	2369
2600	2.734	34.938	6.17	2.529	27.878	34.794	41.477	1.673	1.15	2565
2800	2.237	34.910	6.03	2.023	27.898	34.835	41.539	1.748	0.59	2761
2807	2.230	34.909	6.02	2.015	27.898	34.835	41.540	1.750	0.22	2768

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	17.579	35.906	5.75		0.11	1.9	17.577	26.071	38.705	12
103	15.614	36.250	5.03	1.8	0.36	5.2	15.598	26.803	39.529	102
200	15.570	36.239	5.18	1.3	0.26	3.6	15.539	26.808	39.537	198
300	15.311	36.176	5.15	2.4	0.43	6.6	15.265	26.821	39.566	298
399	12.982	35.757	3.70	7.4	1.03	16.2	12.926	26.995	39.876	396
500	9.788	35.307	3.24				9.729	27.238	40.319	496
599	7.360	35.102	3.83	14.0	1.40		7.300	27.457	40.701	594
699	5.796	35.031	4.68				5.735	27.611	40.966	692
798	5.089	35.014	5.10	12.3	1.29		5.023	27.684	41.091	790
901	4.802	35.012	5.35		1.14		4.728	27.716	41.145	892
995	4.530	34.995	5.56				4.450	27.734	41.184	985
1194	4.263	34.999	5.75	11.5	1.19		4.167	27.768	41.239	1182
1394	4.067	34.988	5.84	12.4	1.28	18.0	3.956	27.781	41.268	1379
1594	3.879	34.984	5.88	12.8	1.25	17.4	3.752	27.799	41.302	1576
1794	3.765	34.986	5.89	13.6	1.26	17.6	3.621	27.814	41.327	1773
1995	3.619	34.987	5.89				3.457	27.831	41.356	1971
2191	3.434	34.983	5.89				3.257	27.847	41.388	2163
2390	3.249	34.982	5.91	17.4	1.23	17.0	3.055	27.866	41.422	2359
2585	2.775	34.967	6.02	19.6	1.21	16.9	2.571	27.898	41.493	2550
2823	2.232	34.926	5.91	26.0	1.21		2.015	27.911	41.552	2784

ENDEAVOR 86 STA- 21
DATE 16/ 6/82

LAT= 37 17.4N LON= 73 3.9W

SONIC DEPTH= 2942m

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	18.124	35.053	5.62	18.123	25.283	31.700	37.907	0.003	5.22	1
25	15.928	35.768	5.99	15.925	26.357	32.822	39.075	0.061	14.45	25
50	15.130	36.067	5.19	15.122	26.768	33.252	39.523	0.094	2.86	50
75	15.316	36.149	5.06	15.305	26.791	33.269	39.535	0.126	1.26	74
100	15.338	36.162	5.05	15.323	26.797	33.274	39.539	0.158	0.63	99
150	15.134	36.108	5.05	15.111	26.803	33.286	39.557	0.222	0.64	149
200	14.878	36.042	5.06	14.848	26.810	33.301	39.580	0.287	1.01	198
250	14.391	35.922	5.07	14.354	26.825	33.331	39.623	0.352	0.93	248
300	13.487	35.755	4.51	13.445	26.888	33.421	39.739	0.416	3.14	298
350	11.659	35.538	3.40	11.614	27.058	33.648	40.019	0.474	3.33	347
400	10.226	35.328	3.29	10.178	27.178	33.814	40.230	0.525	2.77	397
450	8.750	35.174	3.39	8.701	27.303	33.988	40.451	0.571	2.63	446
500	7.646	35.100	3.76	7.595	27.412	34.136	40.636	0.611	2.67	496
600	5.986	35.027	4.57	5.932	27.583	34.366	40.923	0.677	2.12	595
700	5.193	35.010	5.14	5.134	27.668	34.481	41.066	0.731	1.42	694
800	4.761	35.003	5.46	4.696	27.713	34.543	41.144	0.780	1.18	793
900	4.521	34.994	5.64	4.449	27.733	34.572	41.183	0.826	0.82	891
1000	4.364	34.991	5.76	4.285	27.748	34.594	41.211	0.872	0.72	990
1200	4.081	34.978	5.92	3.987	27.770	34.627	41.255	0.961	0.65	1188
1400	3.928	34.976	5.98	3.817	27.786	34.650	41.284	1.050	0.55	1385
1600	3.791	34.976	5.01	3.665	27.801	34.671	41.311	1.139	0.60	1582
1800	3.670	34.976	6.02	3.526	27.815	34.691	41.336	1.227	0.59	1779
2000	3.506	34.972	6.02	3.346	27.830	34.713	41.365	1.316	0.62	1976
2200	3.324	34.966	6.03	3.148	27.844	34.735	41.394	1.403	0.58	2172
2400	3.139	34.958	6.05	2.946	27.857	34.755	41.422	1.490	0.70	2369
2600	2.915	34.947	6.07	2.707	27.870	34.778	41.455	1.574	0.68	2565
2800	2.596	34.930	6.11	2.374	27.885	34.807	41.497	1.656	0.96	2761
2955	2.242	34.909	6.00	2.013	27.898	34.836	41.540	1.715	0.80	2913

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
7	18.216	35.253	5.51	0.9			18.215	25.414	38.029	7
100	15.436	36.193	5.13	2.8	0.40	6.4	15.420	26.799	39.536	99
202	15.064	35.081	5.04	3.0	0.43	6.9	15.033	26.799	39.558	200
302	13.537	35.767	4.47	5.4	0.65	11.5	13.494	26.887	39.735	299
399	10.096	35.311	3.39	13.4	1.30		10.049	27.187	40.247	395
498	7.357	35.086	3.96	15.1	1.46		7.308	27.443	40.687	493
599	5.884	35.019	4.69	13.9	1.35		5.832	27.589	40.937	594
698	5.228	35.006	5.16	13.2	1.31		5.170	27.660	41.056	691
798	4.879	35.001	5.31	12.5	1.24	18.4	4.814	27.698	41.120	790
907	4.582	34.993	5.60	12.4	1.19	18.3	4.509	27.726	41.171	898
1117	4.258	34.980	5.77	12.2	1.14	17.6	4.170	27.752	41.223	1106
1297	4.036	34.973	5.81	12.4	1.14	17.5	3.934	27.772	41.261	1284
1495	3.898	34.972	5.93	12.9	1.13	17.4	3.779	27.787	41.288	1479
1694	3.766	34.973	5.96	13.7	1.12	16.8	3.631	27.803	41.315	1675
1886	3.598	34.969	5.98	14.8	1.10	16.9	3.447	27.818	41.344	1864
2094	3.419	34.967	6.05	16.1	1.14	17.4	3.251	27.835	41.377	2068
2281	3.260	34.951	5.93	17.5	1.11	17.2	3.077	27.847	41.403	2252
2492	3.030	34.949	5.91	19.0	1.12	17.0	2.830	27.860	41.435	2459
2684	2.815	34.938	6.04				2.601	27.872	41.465	2647
2958	2.244	34.908		27.8	1.11	16.9	2.014	27.897	41.539	2915

ENDEAVOR 86 STA- 22 LAT= 37 17.7N LON= 72 51.9W SONIC DEPTH= 2996m
DATE 16/ 6/82

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
9	18.350	34.739	5.18	18.348	24.987	31.401	37.606	0.027	10.29	9
25	14.614	34.979	6.14	14.610	26.041	32.550	38.844	0.068	14.68	25
50	13.410	35.464	5.24	13.403	26.671	33.208	39.530	0.106	4.92	50
75	13.859	35.721	5.00	13.849	26.777	33.300	39.607	0.139	2.45	74
100	14.318	35.887	4.97	14.303	26.809	33.317	39.611	0.171	1.00	99
150	14.085	35.832	5.05	14.063	26.817	33.333	39.633	0.234	0.91	149
200	12.980	35.624	4.64	12.953	26.887	33.436	39.768	0.297	2.89	198
250	11.804	35.519	3.65	11.771	27.037	33.621	39.989	0.354	3.29	248
300	10.057	35.304	3.29	10.022	27.186	33.827	40.248	0.404	2.94	298
350	8.697	35.173	3.41	8.659	27.309	33.995	40.460	0.449	3.10	347
400	7.460	35.092	3.81	7.421	27.432	34.162	40.668	0.487	2.59	397
450	6.557	35.051	4.29	6.516	27.526	34.288	40.825	0.521	2.63	446
500	5.930	35.038	4.60	5.886	27.597	34.382	40.941	0.550	1.87	496
600	5.140	35.008	5.16	5.091	27.671	34.486	41.073	0.602	1.23	595
700	4.868	35.009	5.38	4.812	27.705	34.530	41.127	0.649	1.05	694
800	4.582	34.998	5.60	4.518	27.729	34.566	41.173	0.695	0.85	793
900	4.395	34.989	5.73	4.324	27.743	34.587	41.202	0.740	0.79	891
1000	4.258	34.987	5.84	4.180	27.757	34.606	41.227	0.784	0.65	990
1200	4.058	34.981	5.91	3.964	27.775	34.633	41.262	0.872	0.61	1188
1400	3.884	34.977	5.98	3.774	27.792	34.658	41.293	0.959	0.57	1385
1600	3.753	34.977	6.00	3.627	27.806	34.678	41.319	1.047	0.61	1582
1800	3.602	34.976	6.00	3.459	27.822	34.700	41.347	1.134	0.58	1779
2000	3.453	34.972	5.98	3.294	27.835	34.720	41.373	1.221	0.59	1976
2200	3.268	34.965	6.00	3.093	27.849	34.741	41.403	1.307	0.63	2172
2400	3.066	34.956	6.02	2.875	27.862	34.763	41.433	1.391	0.62	2369
2600	2.891	34.947	6.06	2.683	27.871	34.781	41.458	1.475	0.66	2565
2800	2.655	34.934	6.12	2.432	27.883	34.803	41.490	1.557	0.81	2761
3000	2.251	34.910	6.08	2.016	27.899	34.836	41.540	1.634	0.92	2957
3043	2.242	34.909	6.07	2.003	27.899	34.837	41.541	1.649	0.21	2999

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	18.292	34.729	5.56	0.9	0.16		18.291	24.994	37.615	10
103	14.285	35.879	5.19	2.8	0.38	7.6	14.270	26.810	39.614	102
205	13.179	35.656	4.94	4.4	0.52	10.4	13.150	26.872	39.741	203
302	10.537	35.359	3.27	12.1	1.27	22.8	10.500	27.145	40.177	300
398	7.777	35.101	3.71	14.8	1.46	24.6	7.737	27.393	40.607	394
493	6.185	35.041	4.51	14.2	1.39	22.4	6.140	27.567	40.893	489
581	5.287	35.009	5.10	13.0	1.34	20.5	5.238	27.654	41.045	576
696	4.843	35.007	5.49	12.3	1.21	19.5	4.787	27.706	41.130	690
797	4.607	34.992	5.66	11.9	1.16	18.8	4.544	27.721	41.164	789
996	4.315	34.985	5.84	11.9	1.16	18.8	4.236	27.749	41.215	987
1192	4.079	34.976	5.91	12.1	1.14	18.3	3.986	27.769	41.254	1180
1395	3.897	34.970	6.20	12.4	1.12	18.2	3.787	27.784	41.285	1380
1594	3.773	34.972	5.92	13.1	1.11	18.0	3.647	27.800	41.311	1576
1792	3.631	34.973	6.00	14.1	1.12	17.7	3.489	27.817	41.340	1771
2019	3.427	34.966	6.00	15.6	1.10	18.0	3.266	27.833	41.374	1994
2195	3.267	34.959	6.11	16.6	1.12	18.2	3.092	27.844	41.398	2167
2394	3.056	34.950	5.98	17.9	1.11	17.9	2.866	27.858	41.430	2363
2594	2.887	34.944	5.98	18.7	1.13	17.7	2.680	27.870	41.457	2559
2849	2.583	34.925	6.15	20.6	1.10	17.3	2.357	27.882	41.496	2809
3046	2.242	34.909	6.15	26.9	1.14	17.8	2.003	27.899	41.541	3002

ENDEAVOR 86 STA- 23
DATE 17/ 6/82

LAT= 37 19.3N LON= 72 38.8W

SONIC DEPTH= 3004m

PR	T	S	OZ	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	15.797	33.680	5.86	15.796	24.779	31.269	37.545	0.009	7.53	3
25	15.855	34.306	5.66	15.851	25.248	31.730	37.999	0.075	10.20	25
50	13.482	34.701	5.75	13.475	26.066	32.609	38.937	0.132	9.11	50
75	11.333	34.799	5.26	11.324	26.560	33.166	39.553	0.175	6.16	74
100	11.910	35.166	5.02	11.897	26.738	33.323	39.690	0.209	3.21	99
150	12.450	35.469	4.73	12.430	26.871	33.436	39.785	0.273	3.20	149
200	10.816	35.395	3.40	10.791	27.121	33.737	40.134	0.328	4.28	198
250	8.175	35.134	3.56	8.149	27.357	34.061	40.542	0.371	3.51	248
300	6.789	35.074	4.15	6.761	27.511	34.264	40.792	0.405	2.75	298
350	5.918	35.022	4.58	5.887	27.585	34.370	40.929	0.434	1.92	347
400	5.590	35.015	4.79	5.556	27.620	34.418	40.988	0.461	1.73	397
450	5.216	35.008	5.06	5.179	27.661	34.473	41.056	0.486	1.34	446
500	5.022	35.006	5.21	4.981	27.682	34.501	41.092	0.509	1.07	496
600	4.718	35.002	5.48	4.670	27.715	34.545	41.148	0.555	0.96	595
700	4.516	34.995	5.64	4.462	27.733	34.571	41.181	0.598	0.75	694
800	4.385	34.989	5.76	4.323	27.743	34.587	41.202	0.642	0.73	793
900	4.242	34.986	5.84	4.172	27.757	34.607	41.228	0.685	0.66	891
1000	4.150	34.981	5.91	4.072	27.764	34.618	41.242	0.728	0.57	990
1200	3.951	34.974	6.01	3.858	27.780	34.643	41.275	0.814	0.58	1188
1400	3.819	34.973	6.03	3.709	27.795	34.663	41.301	0.900	0.60	1385
1600	3.689	34.974	6.05	3.563	27.810	34.684	41.328	0.986	0.57	1582
1800	3.550	34.975	6.05	3.408	27.826	34.706	41.356	1.073	0.62	1779
2000	3.361	34.968	6.06	3.203	27.840	34.729	41.386	1.158	0.57	1976
2200	3.217	34.961	6.06	3.042	27.850	34.745	41.409	1.242	0.61	2172
2400	3.016	34.953	6.10	2.825	27.864	34.767	41.439	1.326	0.64	2369
2600	2.826	34.943	6.14	2.619	27.874	34.786	41.466	1.409	0.66	2565
2800	2.540	34.928	6.18	2.319	27.888	34.812	41.504	1.488	0.79	2761
3000	2.230	34.909	6.08	1.996	27.899	34.837	41.542	1.564	0.69	2957
3007	2.227	34.909	6.07	1.992	27.899	34.838	41.543	1.566	0.54	2964

PR	T	S	OZ	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	15.977	33.771	5.83	0.9	0.18		15.976	24.809	37.563	10
101	12.227	35.210	5.21	3.5	0.48	8.9	12.214	26.712	39.644	100
202	11.002	35.423		10.2	1.13	20.7	10.977	27.110	40.111	201
299	6.601	35.065	4.20	13.9	1.39	23.1	6.573	27.529	40.823	297
401	5.497	35.010	5.24	12.6	1.31	21.5	5.464	27.628	41.003	397
500	5.049	35.003	5.33	11.6	1.19	19.3	5.008	27.677	41.085	496
602	4.746	34.996	5.52	11.3	1.19	18.7	4.699	27.707	41.138	596
700	4.593	34.996	5.63	11.1	1.20	18.7	4.538	27.725	41.168	693
800	4.383	34.984	5.83	11.3	1.14	18.3	4.321	27.739	41.199	792
1000	4.113	34.972	5.89	11.6	1.18	18.8	4.036	27.760	41.242	990
1201	3.960	34.972	5.96	12.1	1.16	18.3	3.867	27.778	41.272	1189
1393	3.831	34.971	5.89	12.3	1.13	18.5	3.722	27.792	41.297	1378
1594	3.701	34.971	6.04	13.0	1.14	18.2	3.575	27.807	41.323	1576
1794	3.584	34.992	5.99	13.8	1.11	17.6	3.442	27.837	41.363	1773
1995	3.388	34.965	6.08	15.5	1.17	18.1	3.230	27.836	41.379	1971
2194	3.216	34.954		16.2	1.16	18.3	3.042	27.845	41.403	2166
2393	3.029	34.949	6.04	17.7	1.15	18.2	2.838	27.859	41.434	2362
2592	2.839	34.939	6.07	18.2	1.11	17.8	2.633	27.870	41.461	2557
2790	2.564	34.926	6.04	19.5	1.11	17.2	2.344	27.884	41.499	2751
3037	2.228	34.904	6.07	26.6	1.17	18.1	1.990	27.896	41.539	2993

ENDEAVOR 86 STA- 24
DATE 17/ 6/82

LAT= 37 20.6N LON= 72 26.1W

SONIC DEPTH= 3098m

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	15.958	33.470	5.92	15.958	24.581	31.068	37.342	0.003	6.21	1
25	11.263	33.789	6.49	11.260	25.786	32.404	38.804	0.076	15.03	25
50	11.210	34.695	5.18	11.204	26.501	33.112	39.504	0.119	6.00	50
75	11.726	35.054	5.12	11.717	26.686	33.277	39.650	0.155	4.83	74
100	13.255	35.588	5.05	13.241	26.800	33.341	39.666	0.188	3.18	99
150	11.851	35.504	3.70	11.831	27.013	33.596	39.962	0.247	3.91	149
200	9.974	35.297	3.29	9.951	27.193	33.836	40.260	0.297	2.95	198
250	8.528	35.159	3.43	8.502	27.322	34.015	40.485	0.340	3.23	248
300	7.355	35.089	3.86	7.326	27.443	34.176	40.685	0.376	2.90	298
350	6.304	35.048	4.38	6.273	27.556	34.327	40.872	0.408	2.49	347
400	5.808	35.044	4.69	5.773	27.616	34.405	40.968	0.435	1.84	397
450	5.507	35.047	4.94	5.469	27.657	34.457	41.030	0.460	1.49	446
500	5.193	35.030	5.15	5.152	27.681	34.494	41.078	0.484	1.27	496
600	4.753	35.007	5.46	4.705	27.715	34.544	41.145	0.530	0.93	595
700	4.622	35.011	5.58	4.567	27.734	34.568	41.174	0.574	0.74	694
800	4.407	34.995	5.72	4.344	27.746	34.589	41.203	0.617	0.74	793
900	4.304	34.994	5.79	4.234	27.757	34.604	41.222	0.660	0.64	891
1000	4.164	34.985	5.87	4.086	27.765	34.619	41.243	0.703	0.60	990
1200	3.992	34.982	5.95	3.898	27.783	34.644	41.275	0.789	0.58	1188
1400	3.830	34.977	6.01	3.721	27.797	34.665	41.302	0.875	0.56	1385
1600	3.699	34.978	6.01	3.574	27.813	34.686	41.329	0.961	0.58	1582
1800	3.531	34.973	6.01	3.390	27.827	34.708	41.358	1.047	0.62	1779
2000	3.350	34.967	6.02	3.192	27.841	34.730	41.388	1.132	0.60	1976
2200	3.159	34.960	6.03	2.985	27.855	34.752	41.418	1.216	0.61	2172
2400	2.954	34.950	6.08	2.765	27.867	34.773	41.447	1.298	0.63	2369
2600	2.736	34.939	6.12	2.531	27.878	34.794	41.478	1.379	0.68	2565
2800	2.527	34.927	6.15	2.307	27.888	34.813	41.506	1.458	0.66	2761
3000	2.323	34.914	6.16	2.087	27.896	34.831	41.532	1.534	0.58	2957
3129	2.227	34.907	6.07	1.980	27.899	34.838	41.543	1.583	0.58	3083

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
11	15.552	33.492	5.92	1.0	0.16		15.550	24.689	37.472	10
100	12.523	35.404	4.99	4.4	0.51	10.0	12.510	26.804	39.716	99
198	9.985	35.310	3.33	12.5	1.30	23.5	9.962	27.201	40.267	197
301	7.442	35.099	3.89	14.4	1.44	24.1	7.412	27.439	40.675	298
399	5.885	35.052	4.75	13.2	1.36	21.7	5.851	27.613	40.959	395
499	5.273	35.038	5.19	12.5	1.28	20.5	5.232	27.678	41.069	494
599	4.805	35.012	5.49	11.9	1.20	19.3	4.757	27.713	41.139	594
683	4.533	34.985	5.69	11.7	1.18	19.0	4.480	27.723	41.170	677
797	4.405	34.992	5.75	11.7	1.17	18.6	4.343	27.743	41.201	789
894	4.280	34.984	5.84	11.7	1.17	18.8	4.210	27.751	41.219	886
998	4.153	34.979	5.89	11.5	1.10	18.2	4.076	27.762	41.240	988
1190	3.999	34.976	6.21	11.9	1.13	18.2	3.907	27.777	41.268	1177
1394	3.849	34.976	6.00	12.5	1.11	18.1	3.739	27.794	41.298	1378
1591	3.694	34.977	6.01	13.4	1.12	17.8	3.569	27.812	41.329	1573
1794	3.537	34.973	6.06	14.4	1.10	17.8	3.395	27.826	41.357	1773
1993	3.345	34.960	6.12	15.7	1.14	18.1	3.188	27.836	41.383	1969
2293	3.068	34.954	6.06	17.5	1.12	17.9	2.886	27.859	41.430	2263
2492	2.876	34.942	6.10	18.2	1.12	17.7	2.679	27.868	41.455	2459
2795	2.533	34.925	6.15	19.6	1.08	16.9	2.313	27.886	41.503	2756
3132	2.226	34.905	6.10	26.0	1.14	17.7	1.979	27.897	41.542	3085

ENDEAVOR 86 STA- 25
DATE 17/ 6/82

LAT= 36 15.3N LON= 72 44.9W

SONIC DEPTH= 3687m

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	20.924	34.402	5.39	20.924	24.061	30.417	36.567	0.004	9.25	1
25	19.747	34.663	5.45	19.743	24.573	30.955	37.128	0.087	7.30	25
50	14.662	34.997	5.87	14.654	26.046	32.553	38.846	0.157	13.48	50
75	14.240	35.405	4.52	14.229	26.452	32.967	39.267	0.200	4.98	74
100	12.152	35.152	5.02	12.139	26.681	33.259	39.619	0.237	3.88	99
150	12.616	35.459	4.87	12.595	26.830	33.391	39.736	0.302	2.50	149
200	12.216	35.503	4.13	12.189	26.944	33.516	39.872	0.363	2.90	198
250	11.251	35.436	3.44	11.219	27.076	33.678	40.062	0.418	2.75	248
300	9.804	35.270	3.37	9.769	27.203	33.852	40.281	0.467	2.90	298
350	8.560	35.150	3.40	8.523	27.311	34.003	40.472	0.511	2.90	347
400	7.463	35.093	3.89	7.423	27.432	34.162	40.667	0.549	2.87	397
450	6.598	35.057	4.32	6.556	27.525	34.286	40.821	0.583	2.37	446
500	5.942	35.038	4.70	5.899	27.596	34.380	40.938	0.612	2.01	496
600	5.157	35.018	5.26	5.108	27.677	34.492	41.078	0.664	1.36	595
700	4.757	34.998	5.57	4.701	27.708	34.538	41.139	0.711	0.97	694
800	4.566	34.998	5.73	4.502	27.731	34.568	41.176	0.756	0.83	793
900	4.372	34.989	5.87	4.301	27.746	34.591	41.207	0.801	0.73	891
1000	4.258	34.985	5.92	4.179	27.756	34.605	41.226	0.845	0.60	990
1200	4.051	34.978	6.03	3.957	27.773	34.632	41.261	0.933	0.62	1188
1400	3.911	34.976	6.05	3.800	27.788	34.653	41.287	1.021	0.56	1385
1600	3.796	34.979	6.06	3.669	27.804	34.673	41.313	1.110	0.59	1582
1800	3.647	34.979	6.07	3.504	27.820	34.696	41.342	1.198	0.62	1779
2000	3.457	34.973	6.07	3.298	27.836	34.720	41.374	1.285	0.61	1976
2200	3.266	34.964	6.10	3.090	27.848	34.741	41.403	1.371	0.62	2172
2400	3.066	34.955	6.12	2.874	27.861	34.763	41.433	1.456	0.66	2369
2600	2.855	34.945	6.15	2.648	27.873	34.784	41.463	1.539	0.66	2565
2800	2.670	34.935	6.20	2.447	27.882	34.802	41.488	1.620	0.59	2761
3000	2.501	34.925	6.22	2.261	27.890	34.817	41.512	1.699	0.57	2957
3500	2.214	34.904	6.14	1.929	27.900	34.841	41.549	1.894	0.39	3446
3705	2.192	34.899	6.09	1.885	27.900	34.843	41.552	1.975	0.16	3646

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	20.251	34.216	5.47	0.5	0.23	0.3	20.250	24.099	36.639	8
101	12.277	35.252	5.02	3.2	0.55	9.1	12.264	26.734	39.663	100
203	12.419	35.510	4.49	5.3	0.77	13.4	12.392	26.910	39.826	202
300	9.879	35.283	3.20	12.2	1.41	23.7	9.844	27.200	40.274	300
391	7.883	35.110	3.59	15.1	1.60	25.2	7.843	27.384	40.591	388
500	5.999	35.036	4.64	13.2	1.42	22.6	5.955	27.587	40.926	496
595	5.229	35.016	5.15	12.1	1.30	20.1	5.179	27.667	41.062	590
696	4.767	34.997	5.52	11.7	1.29	19.8	4.712	27.706	41.136	690
796	4.564	34.994	5.63	10.1	1.05		4.501	27.728	41.173	789
1002	4.214	34.977	5.93	11.5	1.21	18.7	4.136	27.754	41.227	992
1195	3.690	34.976	5.96	11.6	1.21	18.4	3.600	27.808	41.323	1127
1496	3.840	34.975	6.02	12.4	1.22	18.6	3.722	27.795	41.300	1479
1796	3.623	34.973	6.01	14.0	1.22	18.5	3.480	27.818	41.342	1775
2092	3.359	34.966	6.04	15.8	1.41	18.5	3.193	27.840	41.386	2066
2496	2.988	34.949	6.15	15.5	1.17		2.789	27.864	41.442	2462
2790	2.700	34.935	6.13	18.8	1.19	17.9	2.477	27.880	41.484	2750
3092	2.434	34.921	6.17	17.7			2.186	27.893	41.521	3047
3296	2.303	34.914	6.17	24.3	1.34	17.3	2.037	27.900	41.540	3246
3708	2.192	34.900	6.05	30.7	1.34	19.0	1.884	27.901	41.553	3649

ENDEAVOR 86 STA- 26
DATE 17/ 6/82

LAT= 36 23.1N LON= 72 52.1W

SONIC DEPTH= 3537m

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	20.765	34.357	5.37	20.764	24.070	30.431	36.584	0.012	6.95	3
25	20.093	35.173	5.58	20.089	24.871	31.240	37.401	0.090	13.75	25
50	13.557	34.861	6.07	13.550	26.174	32.714	39.038	0.148	9.50	50
75	11.701	34.876	5.30	11.691	26.552	33.145	39.521	0.189	5.75	74
100	12.375	35.292	4.88	12.362	26.747	33.316	39.669	0.224	3.75	99
150	12.552	35.575	4.24	12.531	26.933	33.494	39.839	0.285	3.14	149
200	12.607	35.698	4.80	12.580	27.019	33.578	39.920	0.340	1.93	198
250	10.171	35.324	3.46	10.142	27.181	33.818	40.235	0.392	3.61	248
300	8.393	35.151	3.51	8.361	27.338	34.035	40.509	0.435	2.98	298
350	7.376	35.087	3.88	7.342	27.439	34.172	40.680	0.472	2.59	347
400	6.416	35.050	4.37	6.380	27.543	34.310	40.851	0.504	2.45	397
450	5.741	35.028	4.78	5.702	27.613	34.405	40.970	0.532	1.76	446
500	5.396	35.013	5.02	5.354	27.644	34.449	41.026	0.558	1.46	496
600	4.981	35.011	5.41	4.932	27.692	34.513	41.106	0.607	1.16	595
700	4.758	35.013	5.60	4.702	27.720	34.550	41.151	0.652	0.90	694
800	4.524	35.000	5.77	4.461	27.737	34.576	41.186	0.697	0.79	793
900	4.345	34.993	5.88	4.275	27.751	34.597	41.214	0.741	0.73	891
1000	4.225	34.988	5.96	4.147	27.761	34.612	41.234	0.785	0.60	990
1200	4.014	34.979	6.06	3.920	27.778	34.638	41.268	0.871	0.58	1188
1400	3.872	34.977	6.09	3.762	27.792	34.659	41.295	0.959	0.58	1385
1600	3.746	34.980	6.10	3.620	27.809	34.681	41.322	1.046	0.61	1582
1800	3.600	34.977	6.11	3.457	27.823	34.701	41.349	1.132	0.57	1779
2000	3.423	34.971	6.11	3.264	27.837	34.723	41.378	1.219	0.61	1976
2200	3.235	34.963	6.11	3.060	27.850	34.744	41.407	1.304	0.62	2172
2400	3.043	34.954	6.14	2.852	27.862	34.765	41.436	1.388	0.64	2369
2600	2.858	34.945	6.16	2.651	27.873	34.784	41.463	1.471	0.62	2565
2800	2.663	34.935	6.20	2.440	27.884	34.803	41.490	1.552	0.61	2761
3000	2.493	34.926	6.22	2.253	27.892	34.819	41.514	1.631	0.60	2957
3500	2.203	34.904	5.12	1.918	27.901	34.843	41.551	1.825	0.39	3446
3575	2.156	34.898	6.02	1.864	27.901	34.845	41.555	1.854	0.50	3519

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
9	21.281	35.178	5.19	0.9	0.09	0.1	21.279	24.555	37.032	9
104	12.776	35.387	4.83	3.8	0.56	9.9	12.762	26.741	39.638	103
201	12.450	35.698	4.83	5.6	0.71	12.2	12.423	27.050	39.960	199
297	8.579	35.168	3.45	14.8	1.38	23.8	8.548	27.322	40.481	295
402	6.450	35.043	4.39	14.5	1.44	22.4	6.413	27.533	40.839	399
501	5.397	35.012	4.99	14.2	1.47	21.7	5.355	27.643	41.025	497
598	5.088	35.012	5.29	12.9	1.31	19.8	5.039	27.680	41.086	592
801	4.526	34.997	5.75				4.463	27.734	41.183	794
899	4.358	34.989	5.78	12.2	1.21	18.3	4.287	27.747	41.209	890
998	4.245	34.982	5.89	12.4	1.27	18.8	4.167	27.754	41.226	988
1093	4.112	34.975	5.92	12.3	1.21	18.4	4.027	27.764	41.246	1082
1295	3.965	34.969	5.11	12.6	1.20	18.3	3.863	27.776	41.270	1282
1493	3.833	34.980	5.03	13.5	1.24	18.7	3.715	27.800	41.305	1476
1795	3.605	34.972	6.04	14.9	1.20	18.1	3.462	27.819	41.344	1774
2094	3.353	34.966	6.27	13.6	1.12		3.186	27.841	41.388	2068
2390	3.043	34.946	6.15	17.8	1.19	17.8	2.853	27.856	41.429	2359
2694	2.759	34.941	6.14	19.7	1.18	17.9	2.545	27.879	41.477	2657
2991	2.493	34.920	5.16	21.8	1.18	17.7	2.255	27.887	41.509	2948
3299	2.266	34.909	5.15	23.7	1.13		2.000	27.899	41.542	3249
3577	2.156	34.891	5.01	34.2	1.30	18.2	1.864	27.895	41.549	3520

ENDEAVOR 86 STA- 27 LAT= 36 31.6N LON= 72 59.5W SONIC DEPTH= 3427m
DATE 18/ 6/82

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	16.977	32.955	5.95	16.976	23.951	30.417	36.670	0.004	13.71	1
25	12.171	33.743	6.69	12.167	25.582	32.173	38.547	0.080	14.99	25
50	10.934	34.550	5.47	10.928	26.439	33.059	39.461	0.125	6.42	50
75	11.495	34.970	5.27	11.486	26.663	33.263	39.643	0.162	4.53	74
100	11.992	35.214	5.16	11.979	26.760	33.342	39.706	0.195	2.86	99
150	12.299	35.421	4.82	12.279	26.863	33.433	39.787	0.258	2.51	149
200	11.981	35.496	4.00	11.955	26.983	33.563	39.925	0.317	3.13	198
250	10.377	35.342	3.29	10.347	27.159	33.789	40.200	0.369	2.84	248
300	9.096	35.199	3.35	9.063	27.264	33.937	40.389	0.414	2.86	298
350	7.962	35.122	3.68	7.926	27.382	34.094	40.583	0.455	3.11	347
400	6.898	35.078	4.15	6.860	27.500	34.250	40.774	0.489	2.48	397
450	6.281	35.079	4.54	6.240	27.584	34.356	40.902	0.519	1.77	446
500	5.646	35.040	4.91	5.604	27.635	34.430	40.999	0.546	1.66	496
600	4.980	35.002	5.35	4.932	27.685	34.506	41.099	0.595	1.12	595
700	4.688	34.995	5.62	4.632	27.713	34.546	41.149	0.642	0.93	694
800	4.503	34.989	5.74	4.440	27.731	34.570	41.181	0.687	0.73	793
900	4.362	34.985	5.85	4.291	27.743	34.589	41.205	0.732	0.74	891
1000	4.247	34.984	5.91	4.169	27.756	34.606	41.227	0.776	0.64	990
1200	4.058	34.979	6.02	3.964	27.773	34.632	41.260	0.864	0.60	1188
1400	3.908	34.977	6.07	3.798	27.789	34.654	41.289	0.952	0.57	1385
1600	3.790	34.982	6.06	3.663	27.806	34.676	41.316	1.040	0.60	1582
1800	3.652	34.980	6.07	3.508	27.821	34.697	41.342	1.128	0.57	1779
2000	3.483	34.973	6.08	3.323	27.833	34.717	41.369	1.215	0.62	1976
2200	3.284	34.965	6.07	3.108	27.847	34.740	41.400	1.302	0.62	2172
2400	3.078	34.956	6.11	2.886	27.861	34.762	41.431	1.387	0.67	2369
2600	2.888	34.947	6.12	2.681	27.872	34.781	41.459	1.470	0.64	2565
2800	2.674	34.936	6.16	2.451	27.883	34.802	41.489	1.552	0.60	2761
3000	2.516	34.927	6.19	2.275	27.891	34.817	41.511	1.632	0.56	2957
3455	2.221	34.905	6.10	1.940	27.900	34.841	41.548	1.809	0.50	3402

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
12	16.708	33.661	6.03	0.9	0.26	0.1	16.706	24.556	37.276	11
101	12.339	35.305	5.09	4.1	0.57	9.5	12.326	26.764	39.687	101
200	11.924	35.481	4.01	8.0	0.93	16.8	11.897	26.983	39.928	198
298	9.323	35.230	3.32	14.0	1.43	24.0	9.290	27.252	40.361	295
400	7.018	35.076	4.10	14.6	1.42	23.5	6.980	27.482	40.748	397
498	5.688	34.999	4.88	13.3	1.30	21.2	5.646	27.597	40.959	493
598	4.979	34.990	5.33	12.2	1.22	19.6	4.931	27.676	41.090	593
699	4.668	34.983	5.58	12.0	1.19	17.6	4.613	27.706	41.144	692
795	4.475	34.976	5.73	11.8	1.15	18.2	4.412	27.723	41.176	787
894	4.333	34.979	5.85	11.8	1.17	18.4	4.263	27.742	41.206	886
994	4.239	34.973	5.90	11.7	1.14	18.2	4.161	27.748	41.220	985
1193	4.036	34.973	5.99	11.9	1.12	18.1	3.943	27.771	41.259	1181
1395	3.898	34.977	5.05	12.4	1.09	17.9	3.788	27.790	41.290	1380
1692	3.729	34.966	6.02	13.9	1.10	17.6	3.595	27.801	41.316	1673
1991	3.404	35.030	6.19	15.3	1.13	18.2	3.246	27.886	41.427	1991
2294	3.193	34.951	6.14	16.9	1.10	17.9	3.010	27.845	41.406	2264
2589	2.907	34.941	6.12	18.6	1.11	17.5	2.700	27.865	41.451	2554
2891	2.613	34.927	5.16	20.1	1.09	17.3	2.382	27.882	41.493	2850
3190	2.382	34.915	5.19	22.0	1.10	16.9	2.126	27.894	41.526	3143
3457	2.222	33.901	5.08	28.5	1.14	17.6	1.946	27.095	40.767	3404

ENDEAVOR 86 STA- 28 LAT= 36 39.8N LON= 73 6.9W SONIC DEPTH= 3286m
DATE 18/ 6/82

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	18.497	34.822	5.55	18.497	25.013	31.423	37.623	0.003	5.59	1
25	16.538	34.938	6.19	16.534	25.577	32.035	38.281	0.070	14.23	25
50	13.498	35.429	5.48	13.491	26.626	33.162	39.482	0.113	6.02	50
75	13.820	35.695	5.30	13.809	26.765	33.289	39.598	0.146	2.69	74
100	14.282	35.866	5.24	14.267	26.800	33.309	39.604	0.178	1.54	99
150	14.343	35.897	5.28	14.321	26.813	33.321	39.614	0.242	0.77	149
200	14.121	35.845	5.26	14.092	26.822	33.336	39.636	0.306	1.23	198
250	13.037	35.654	4.56	13.002	26.900	33.447	39.778	0.369	3.09	248
300	11.609	35.492	3.53	11.570	27.053	33.644	40.018	0.426	3.27	298
350	9.760	35.272	3.30	9.720	27.213	33.864	40.294	0.476	3.35	347
400	8.281	35.140	3.54	8.239	27.348	34.049	40.528	0.519	2.64	397
450	7.126	35.078	4.10	7.083	27.469	34.211	40.728	0.557	3.06	446
500	6.367	35.054	4.43	6.321	27.554	34.323	40.866	0.588	2.19	496
600	5.242	35.012	5.20	5.192	27.662	34.473	41.057	0.642	1.37	595
700	4.826	34.998	5.55	4.769	27.701	34.528	41.126	0.691	1.09	694
800	4.606	34.993	5.67	4.542	27.722	34.558	41.165	0.737	0.82	793
900	4.463	34.993	5.79	4.392	27.739	34.580	41.193	0.782	0.76	891
1000	4.301	34.986	5.90	4.222	27.751	34.599	41.218	0.827	0.64	990
1200	4.078	34.978	5.99	3.984	27.770	34.628	41.256	0.916	0.62	1188
1400	3.933	34.976	6.08	3.822	27.786	34.649	41.283	1.005	0.59	1385
1600	3.792	34.979	6.08	3.665	27.804	34.674	41.313	1.094	0.63	1582
1800	3.653	34.978	6.07	3.509	27.819	34.695	41.340	1.182	0.61	1779
2000	3.459	34.973	6.08	3.300	27.835	34.719	41.373	1.269	0.60	1976
2200	3.283	34.966	6.09	3.107	27.848	34.740	41.401	1.355	0.62	2172
2400	3.101	34.957	6.10	2.909	27.859	34.760	41.428	1.441	0.60	2369
2600	2.950	34.950	6.13	2.741	27.869	34.776	41.451	1.525	0.61	2565
2800	2.728	34.938	6.17	2.504	27.880	34.797	41.482	1.608	0.66	2761
3000	2.479	34.925	6.21	2.239	27.892	34.820	41.515	1.688	0.74	2957
3323	2.215	34.907	6.13	1.948	27.901	34.841	41.548	1.811	0.41	3273

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
11	18.514	34.867	5.54		0.15		18.512	25.044	37.652	11
104	14.371	35.893	5.23	2.8	0.35	7.2	14.356	26.802	39.601	103
197	13.844	35.772	5.19		0.36	6.3	13.815	26.824	39.654	195
300	10.834	35.400	3.31	11.3	1.19	21.6	10.797	27.124	40.137	297
402	8.097	35.125	3.56	15.1	1.49	25.1	8.056	27.364	40.556	398
491	6.376	35.053	4.37	12.6	1.31	20.8	6.331	27.552	40.863	487
598	5.267	35.007	5.14	12.6	1.26	20.0	5.217	27.655	41.048	593
699	4.857	34.993	5.51	11.5	1.17	19.0	4.801	27.693	41.116	692
797	4.615	34.994	5.66	11.6	1.18	18.5	4.551	27.722	41.164	790
894	4.418	34.985	5.80				4.348	27.737	41.195	885
1098	4.154	34.973	5.96	11.4	1.11	17.8	4.068	27.758	41.237	1087
1294	3.993	34.968		11.3	1.12	17.7	3.892	27.772	41.265	1280
1482	3.872	34.974	6.07				3.754	27.791	41.294	1466
1695	3.730	34.972	5.09	11.5			3.595	27.806	41.321	1675
1895	3.573	34.976	5.21	14.6	1.13	18.1	3.421	27.826	41.354	1873
2092	3.391	34.963	6.14	15.5	1.15	18.2	3.224	27.835	41.379	2067
2393	3.094	34.953	5.12	17.2	1.12	17.6	2.903	27.857	41.426	2362
2691	2.839	34.938	6.17	17.3		16.7	2.623	27.870	41.462	2654
2998	2.488	34.919	5.21	20.1	1.14	16.7	2.249	27.887	41.509	2954
3328	2.214	34.900	5.16	26.6	1.14	17.5	1.947	27.896	41.543	3277

ENDEAVOR 86 STA- 29
DATE 18/ 6/82

LAT= 36 48.1N LON= 73 13.7W

SONIC DEPTH= 3136m

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	18.371	35.264	5.69	18.371	25.383	31.791	37.990	0.003	2.44	1
25	16.979	35.469	5.91	16.974	25.881	32.323	38.553	0.063	13.84	25
50	15.386	36.162	5.14	15.378	26.784	33.260	39.524	0.100	3.17	50
75	15.450	36.191	5.12	15.439	26.794	33.268	39.529	0.131	0.93	74
100	15.488	36.208	5.11	15.473	26.799	33.272	39.532	0.163	0.28	99
150	15.346	36.167	5.18	15.323	26.801	33.279	39.543	0.227	0.38	149
200	15.190	36.125	5.19	15.159	26.805	33.287	39.557	0.292	0.39	198
250	14.728	36.007	5.21	14.691	26.818	33.314	39.596	0.357	1.02	248
300	14.396	35.929	5.11	14.351	26.831	33.337	39.630	0.422	1.88	298
350	12.563	35.637	3.59	12.516	26.984	33.545	39.890	0.485	3.48	347
400	10.761	35.395	3.35	10.711	27.136	33.754	40.153	0.539	3.35	397
450	9.206	35.226	3.42	9.156	27.270	33.940	40.389	0.587	2.91	446
500	7.767	35.116	3.81	7.716	27.408	34.127	40.623	0.628	2.91	496
600	5.946	35.028	4.66	5.893	27.589	34.374	40.933	0.694	2.23	595
700	5.356	35.040	5.07	5.297	27.672	34.479	41.058	0.748	1.51	694
800	4.836	35.009	5.53	4.771	27.709	34.536	41.134	0.796	1.03	793
900	4.540	34.993	5.75	4.469	27.730	34.569	41.178	0.843	0.87	891
1000	4.384	34.989	5.86	4.305	27.745	34.590	41.206	0.889	0.70	990
1200	4.188	34.983	5.99	4.092	27.763	34.616	41.240	0.979	0.63	1188
1400	3.991	34.977	5.06	3.880	27.781	34.642	41.274	1.070	0.62	1385
1600	3.835	34.977	6.10	3.708	27.798	34.667	41.305	1.160	0.62	1582
1800	3.673	34.976	6.10	3.529	27.815	34.690	41.335	1.249	0.61	1779
2000	3.483	34.972	6.11	3.323	27.832	34.716	41.368	1.337	0.65	1976
2200	3.317	34.968	6.09	3.141	27.846	34.737	41.397	1.424	0.63	2172
2400	3.117	34.957	6.12	2.925	27.858	34.758	41.426	1.510	0.64	2369
2600	2.905	34.948	6.16	2.697	27.871	34.780	41.457	1.594	0.66	2565
2800	2.681	34.936	6.21	2.457	27.883	34.801	41.488	1.676	0.69	2761
3000	2.451	34.923	6.22	2.212	27.893	34.822	41.518	1.755	0.75	2957
3151	2.193	34.906	6.10	1.944	27.901	34.841	41.548	1.812	0.73	3105

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	18.325	35.314	5.68	0.6	0.14		18.323	25.433	38.042	10
105	15.461	36.200	5.23	2.6	0.31	6.5	15.445	26.799	39.534	104
208	15.168	36.118	5.21	2.6	0.33	6.7	15.136	26.805	39.558	207
303	14.139	35.899	4.93	3.6	0.46	8.7	14.094	26.863	39.676	300
399	10.497	35.388	3.36	12.0	1.16	21.3	10.448	27.177	40.211	395
500	7.896	35.123	3.76	15.1	1.38	23.4	7.844	27.394	40.601	496
599	6.282	35.042	4.51	14.2	1.33	21.5	6.227	27.557	40.876	594
699	5.413	35.038	5.08	13.4	1.28	20.3	5.353	27.664	41.046	693
799	4.853	35.005	5.49	12.7	1.28	18.8	4.788	27.704	41.128	791
902	4.561	34.989	5.75	12.2	1.22	18.5	4.489	27.725	41.172	893
1110	4.249	34.980	5.94	14.0	1.24	17.6	4.161	27.753	41.225	1099
1295	4.095	34.976	6.04	12.4	1.19	17.9	3.992	27.768	41.253	1282
1495	3.892	34.970	6.10	12.9	1.15	17.7	3.773	27.786	41.287	1478
1682	3.755	34.970	6.10	13.6	1.15	17.4	3.621	27.801	41.314	1662
1898	3.596	34.970	6.18	14.8	1.17	18.0	3.444	27.819	41.346	1876
2093	3.432	34.968	6.15	16.0	1.15	17.8	3.264	27.835	41.375	2067
2391	3.142	34.954	6.10	18.0	1.16	17.6	2.950	27.853	41.419	2360
2692	2.808	34.937	6.16	19.8	1.14	17.5	2.592	27.872	41.466	2655
2986	2.464	34.919	6.23	21.7	1.14	16.8	2.226	27.888	41.513	2943
3153	2.193	34.900	6.10	29.5	1.20	17.5	1.944	27.896	41.544	3106

ENDEAVOR 86 STA- 30
DATE 18/ 6/82

LAT= 36 55.3N LON= 73 21.2W

SONIC DEPTH= 2938m

PR	T	S	O2	θ	SIG-3	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	18.924	35.697	5.67	18.924	25.575	31.966	38.148	0.002	3.66	1
25	16.604	36.015	5.79	16.600	26.389	32.835	39.069	0.056	13.00	25
50	15.533	36.191	5.14	15.525	26.774	33.246	39.505	0.089	2.07	50
75	15.517	36.206	5.12	15.505	26.790	33.262	39.522	0.121	1.11	74
100	15.510	36.211	5.11	15.495	26.796	33.268	39.528	0.153	0.69	99
150	15.491	36.208	5.15	15.467	26.800	33.273	39.534	0.217	0.33	149
200	15.410	36.184	5.18	15.379	26.801	33.277	39.540	0.282	0.41	198
250	15.371	36.172	5.21	15.332	26.803	33.280	39.545	0.347	0.53	248
300	14.965	36.068	5.15	14.919	26.815	33.304	39.580	0.413	1.20	298
350	14.240	35.913	4.65	14.189	26.854	33.364	39.661	0.479	2.86	347
400	12.270	35.631	3.56	12.217	27.014	33.585	39.939	0.540	3.07	397
450	10.670	35.385	3.35	10.615	27.146	33.767	40.169	0.594	2.75	446
500	9.510	35.250	3.34	9.452	27.240	33.900	40.339	0.643	2.70	496
600	7.505	35.100	3.92	7.444	27.435	34.164	40.669	0.727	2.53	595
700	6.008	35.031	4.69	5.945	27.585	34.368	40.924	0.793	2.15	694
800	5.180	35.022	5.23	5.113	27.680	34.493	41.079	0.849	1.61	793
900	4.764	34.996	5.55	4.691	27.708	34.538	41.140	0.898	0.99	891
1000	4.572	34.998	5.69	4.491	27.732	34.570	41.178	0.946	0.83	990
1200	4.260	34.986	5.90	4.164	27.758	34.608	41.229	1.039	0.71	1188
1400	4.036	34.976	5.03	3.925	27.775	34.635	41.265	1.130	0.59	1385
1600	3.897	34.973	5.06	3.768	27.789	34.655	41.291	1.222	0.57	1582
1800	3.756	34.975	6.06	3.611	27.806	34.678	41.320	1.314	0.63	1779
2000	3.616	34.973	6.05	3.454	27.820	34.699	41.346	1.405	0.62	1976
2200	3.453	34.969	6.06	3.275	27.834	34.720	41.374	1.495	0.66	2172
2400	3.244	34.958	5.08	3.050	27.847	34.742	41.405	1.585	0.69	2369
2600	3.019	34.948	5.10	2.809	27.861	34.766	41.438	1.672	0.89	2565
2800	2.383	34.916	5.14	2.166	27.891	34.822	41.520	1.753	1.02	2761
2957	2.284	34.909	5.09	2.053	27.895	34.830	41.533	1.812	0.27	2915

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
9	18.976	35.657	5.55	0.3	0.16		18.974	25.539	38.111	9
102	15.512	36.209	5.23	1.4	0.12	4.2	15.496	26.794	39.527	101
202	15.396	36.176	5.20	2.1	0.34	6.2	15.364	26.799	39.538	200
299	15.106	36.099	5.13	2.6	0.42	6.9	15.060	26.807	39.565	296
396	12.762	35.676	3.75		0.79	11.2	12.707	26.976	39.871	392
498	9.452	35.246	3.42	13.2	1.44	23.1	9.395	27.247	40.349	494
596	7.541	35.099	3.96	13.7	1.42	22.5	7.481	27.429	40.660	590
698	5.729	35.020	4.95	12.8	1.42	21.3	5.668	27.611	40.970	692
798	5.083	35.011	5.32	12.1	1.27	19.7	5.017	27.682	41.089	790
897	4.761	34.993	5.60	11.7	1.27	19.5	4.688	27.706	41.138	889
1010	4.510	34.989	5.74	11.5	1.22	18.7	4.429	27.731	41.183	1000
1197	4.227	34.976	5.91	11.3	1.20	18.3	4.132	27.753	41.227	1185
1396	4.036	34.971	6.03	11.8	1.17	18.1	3.925	27.771	41.261	1381
1594	3.889	34.968	6.03	12.1	1.17	17.5	3.761	27.786	41.288	1576
1795	3.760	34.972	6.16	13.0	1.19	18.3	3.616	27.803	41.317	1774
1994	3.616	34.968	5.15	13.8	1.20	18.1	3.455	27.816	41.342	1970
2192	3.483	34.966	5.05	14.9	1.18	17.8	3.305	27.829	41.367	2164
2391	3.296	34.957	5.09	16.1	1.19	17.6	3.101	27.841	41.395	2360
2682	2.870	34.938	6.14	18.0	1.19	17.0	2.655	27.867	41.456	2645
2960	2.284	34.907	5.14	25.5	1.21	17.3	2.053	27.893	41.531	2917

ENDEAVOR 86 STA- 31
DATE 18/ 6/82

LAT= 37 0.0N LON= 73 33.4W

SONIC DEPTH= 2735m

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	18.675	35.704	5.67	18.674	25.643	32.040	38.229	0.002	10.72	1
25	16.312	36.175	5.51	16.308	26.581	33.033	39.273	0.048	8.50	25
50	15.693	36.259	5.10	15.685	26.790	33.257	39.511	0.081	1.91	50
75	15.717	36.273	5.11	15.705	26.796	33.262	39.517	0.112	0.49	74
100	15.718	36.274	5.14	15.703	26.797	33.264	39.518	0.144	0.31	99
150	15.707	36.269	5.16	15.683	26.798	33.265	39.520	0.208	0.24	149
200	15.699	36.266	5.20	15.668	26.799	33.266	39.521	0.273	0.27	198
250	15.665	36.255	5.22	15.626	26.800	33.268	39.525	0.339	0.21	248
300	15.652	36.249	5.24	15.605	26.800	33.269	39.526	0.406	0.14	298
350	15.564	36.223	5.22	15.508	26.802	33.274	39.534	0.473	0.81	347
400	14.571	36.001	4.66	14.511	26.852	33.353	39.641	0.541	3.00	397
450	12.182	35.595	3.60	12.122	27.029	33.602	39.958	0.602	3.26	446
500	10.539	35.376	3.43	10.478	27.162	33.788	40.195	0.657	2.77	496
600	7.966	35.128	3.74	7.904	27.389	34.102	40.592	0.748	3.04	595
700	6.162	35.034	4.56	6.099	27.567	34.344	40.896	0.817	2.19	694
800	5.230	35.003	5.15	5.162	27.659	34.471	41.056	0.873	1.48	793
900	4.853	35.007	5.46	4.779	27.707	34.533	41.131	0.924	1.04	891
1000	4.597	34.991	5.66	4.516	27.724	34.561	41.169	0.972	0.78	990
1200	4.265	34.983	5.91	4.169	27.755	34.605	41.226	1.067	0.75	1188
1400	4.065	34.976	6.00	3.953	27.772	34.631	41.260	1.159	0.59	1385
1600	3.931	34.975	6.02	3.802	27.787	34.652	41.286	1.251	0.56	1582
1800	3.799	34.974	5.04	3.654	27.801	34.671	41.311	1.344	0.57	1779
2000	3.663	34.972	5.07	3.500	27.815	34.692	41.338	1.436	0.62	1976
2200	3.497	34.968	6.08	3.318	27.829	34.713	41.366	1.528	0.63	2172
2400	3.225	34.957	6.10	3.031	27.848	34.744	41.408	1.619	0.85	2369
2600	2.665	34.932	6.15	2.461	27.879	34.798	41.484	1.703	1.21	2565
2773	2.284	34.910	6.07	2.072	27.894	34.829	41.531	1.767	0.54	2734

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
8	17.984	35.817	5.87	0.1	0.17	0.0	17.982	25.903	38.519	8
100	15.722	36.271	5.17	2.3	0.31	6.2	15.706	26.794	39.515	99
201	15.702	36.265	5.21	2.3	0.31	6.2	15.671	26.798	39.520	200
303	15.645	36.244	5.19	2.3	0.29	6.1	15.598	26.798	39.525	300
399	14.624	36.032	4.87	3.5	0.43	8.8	14.563	26.865	39.650	395
499	10.794	35.407	3.43	10.9	1.03	20.4	10.732	27.142	40.158	495
599	8.315	35.154	3.61	14.1	1.31	23.3	8.251	27.357	40.536	593
697	6.140	35.037	4.52	13.4	1.32	22.0	6.077	27.572	40.902	691
796	5.241	35.000	5.21	12.5	1.26	19.4	5.174	27.655	41.051	789
894	4.956	35.016	5.44	12.1	1.19	19.4	4.882	27.702	41.119	885
1095	4.451	34.985	5.78	11.5	1.11	18.1	4.363	27.736	41.192	1084
1294	4.180	34.978	5.96	11.5	1.09	18.0	4.077	27.761	41.239	1281
1494	3.994	34.973	6.04	11.7	1.09	17.8	3.875	27.778	41.271	1477
1693	3.861	34.972	6.07	12.3	1.08	17.5	3.725	27.792	41.298	1674
1896	3.731	34.970	6.11	13.3	1.27	17.9	3.578	27.806	41.322	1873
2093	3.585	34.970	6.16	14.3	1.15	17.9	3.414	27.822	41.351	2067
2293	3.400	34.963	6.07	15.5	1.09	17.3	3.214	27.836	41.380	2263
2491	3.028	34.950	6.13	17.5	1.19	17.3	2.828	27.861	41.436	2457
2694	2.331	34.914	6.19	23.7	1.17	17.0	2.125	27.893	41.525	2657
2777	2.285	34.909	6.18	24.7	1.15	17.2	2.072	27.893	41.530	2738

ENDEAVOR 86 STA- 32 LAT= 37 8.7N LON= 73 39.5W SONIC DEPTH= 2513m
DATE 19/ 6/82

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	18.764	35.529	5.64	18.763	25.487	31.884	38.071	0.002	12.61	1
25	15.841	36.248	5.08	15.837	26.747	33.210	39.461	0.048	9.03	25
50	15.703	36.270	5.06	15.695	26.796	33.262	39.517	0.080	0.59	50
75	15.708	36.271	5.09	15.696	26.797	33.263	39.518	0.111	0.39	74
100	15.714	36.272	5.09	15.698	26.797	33.264	39.518	0.143	0.29	99
150	15.721	36.274	5.13	15.698	26.798	33.265	39.519	0.207	0.27	149
200	15.711	36.269	5.19	15.679	26.799	33.266	39.521	0.272	0.26	198
250	15.665	36.255	5.24	15.626	26.800	33.269	39.525	0.338	0.27	248
300	15.638	36.245	5.25	15.591	26.800	33.270	39.527	0.404	-0.12	298
350	15.561	36.222	5.29	15.506	26.802	33.274	39.534	0.472	0.60	347
400	15.160	36.122	5.17	15.098	26.816	33.300	39.571	0.540	2.18	397
450	12.736	35.682	3.71	12.674	26.987	33.543	39.883	0.604	3.55	446
500	11.229	35.462	3.49	11.165	27.106	33.709	40.094	0.661	3.26	496
600	8.280	35.144	3.60	8.216	27.355	34.057	40.536	0.754	2.90	595
700	6.122	35.029	4.54	6.059	27.568	34.347	40.899	0.825	2.23	694
800	5.256	35.006	5.10	5.189	27.658	34.470	41.053	0.882	1.54	793
900	4.876	35.007	5.43	4.802	27.704	34.529	41.127	0.933	1.05	891
1000	4.643	35.001	5.64	4.562	27.726	34.561	41.167	0.981	0.89	990
1200	4.276	34.984	5.88	4.180	27.754	34.604	41.224	1.075	0.69	1188
1400	4.067	34.977	6.01	3.956	27.772	34.631	41.260	1.168	0.62	1385
1600	3.880	34.971	6.08	3.752	27.789	34.656	41.292	1.260	0.62	1582
1800	3.737	34.973	6.08	3.592	27.807	34.680	41.322	1.351	0.60	1779
2000	3.588	34.973	6.08	3.426	27.823	34.703	41.351	1.442	0.70	1976
2200	3.358	34.964	6.09	3.181	27.839	34.729	41.387	1.531	0.73	2172
2400	2.999	34.948	6.12	2.809	27.861	34.766	41.438	1.617	0.80	2369
2545	2.842	34.941	6.13	2.641	27.871	34.782	41.461	1.676	0.79	2511

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	18.610	35.560	5.62		0.01		18.608	25.550	38.141	10
105	15.700	36.270	5.19	0.9	0.06		15.683	26.799	39.520	104
203	15.646	36.253	5.21	1.3	0.06		15.614	26.801	39.527	201
305	15.585	36.233	5.19	1.5	0.13		15.537	26.803	39.533	303
404	14.622	36.018	4.78	2.3	0.17		14.561	26.854	39.640	400
499	11.345	35.485	3.50				11.281	27.102	40.084	495
600	8.232	35.151	3.63				8.169	27.367	40.551	595
703	6.173	35.033	4.57				6.109	27.565	40.893	697
800	5.370	35.012	5.12	12.9	1.18	19.8	5.301	27.649	41.036	792
898	4.908	35.005	5.49	12.2	1.16	19.0	4.834	27.699	41.120	889
1007	4.627	35.004	5.68				4.545	27.731	41.173	997
1101	4.435		5.83	11.8	1.08	18.0				1090
1197	4.267	34.985	5.91	12.0	1.10	18.1	4.171	27.756	41.227	1185
1396	4.057	34.980	5.03	12.2		17.4	3.946	27.776	41.264	1381
1587	3.902	34.977	5.11	12.7		18.0	3.775	27.791	41.292	1569
1795	3.763	34.977	6.16	13.4	1.07	18.1	3.618	27.807	41.320	1774
1995	3.605	34.973	6.13	13.8	1.07	16.7	3.444	27.821	41.348	1971
2193	3.365	34.966	6.09	16.3	1.09	17.6	3.188	27.840	41.387	2165
2389	2.993	34.949	6.13	18.4	1.08	17.0	2.804	27.862	41.440	2357
2566	2.837	34.941	6.15	19.0	1.08		2.634	27.871	41.462	2531

ENDEAVOR 86 STA- 33
DATE 19/ 6/82

LAT= 37 16.7N LON= 73 47.4W

SONIC DEPTH= 2235m

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	18.978	35.252	5.60	18.978	25.221	31.615	37.800	0.003	9.89	1
25	16.335	35.957	5.88	16.331	26.416	32.869	39.110	0.059	13.63	25
50	15.483	36.182	5.21	15.475	26.778	33.251	39.512	0.092	1.98	50
75	15.552	36.221	5.16	15.540	26.793	33.264	39.523	0.124	0.88	74
100	15.580	36.232	5.10	15.564	26.796	33.267	39.525	0.156	0.48	99
150	15.565	36.228	5.18	15.541	26.799	33.270	39.528	0.220	0.31	149
200	15.499	36.209	5.22	15.468	26.800	33.273	39.534	0.285	0.37	198
250	15.399	36.180	5.22	15.360	26.802	33.278	39.542	0.350	0.29	248
300	15.215	36.130	5.23	15.169	26.807	33.289	39.558	0.417	1.07	298
350	14.364	35.943	4.70	14.311	26.850	33.358	39.651	0.483	2.53	347
400	12.667	35.664	3.65	12.612	26.986	33.544	39.886	0.545	3.03	397
450	10.953	35.424	3.43	10.897	27.125	33.737	40.131	0.601	2.89	446
500	9.615	35.266	3.39	9.557	27.235	33.892	40.327	0.650	2.66	496
600	7.558	35.099	3.86	7.498	27.426	34.153	40.656	0.735	2.69	595
700	5.909	35.030	4.71	5.847	27.596	34.383	40.943	0.801	2.09	694
800	5.092	35.004	5.27	5.025	27.676	34.493	41.082	0.856	1.40	793
900	4.663	34.984	5.59	4.591	27.709	34.543	41.149	0.905	0.95	891
1000	4.565	34.992	5.69	4.484	27.728	34.566	41.175	0.953	0.85	990
1200	4.260	34.984	5.90	4.164	27.756	34.607	41.227	1.046	0.68	1188
1400	4.073	34.976	5.99	3.961	27.771	34.630	41.258	1.139	0.62	1385
1600	3.902	34.973	6.03	3.774	27.789	34.654	41.290	1.231	0.50	1582
1800	3.796	34.974	6.03	3.651	27.802	34.672	41.312	1.324	0.60	1779
2000	3.660	34.973	6.02	3.498	27.816	34.693	41.339	1.416	0.58	1976
2200	3.511	34.968	6.00	3.332	27.828	34.712	41.364	1.508	0.67	2172
2265	3.252	34.959	6.01	3.071	27.846	34.740	41.402	1.538	1.44	2236

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
11	18.554	35.433	5.61	0.3	0.09	0.2	18.552	25.467	38.063	11
99	15.577	36.225	5.19	2.5	0.30	6.6	15.561	26.792	39.520	98
200	15.490	36.205	5.20	2.6	0.31	6.8	15.458	26.800	39.534	198
300	15.276	36.142	5.17	2.7	0.34	6.8	15.229	26.803	39.550	298
398	13.405	35.815	4.04	6.5	0.77	15.1	13.348	26.954	39.810	395
498	9.891	35.290	3.40	13.1	1.27	22.8	9.833	27.208	40.282	494
598	7.490	35.094	3.90	14.7	1.37	23.4	7.430	27.432	40.667	593
699	5.875	35.028	4.82	13.4	1.37	21.4	5.813	27.599	40.948	692
793	5.195	35.006	5.22	12.7	1.23	19.7	5.128	27.665	41.064	786
896	4.790	34.991	5.55	12.2	1.28	19.3	4.717	27.701	41.131	888
995	4.608	34.988	5.67	12.0	1.21	18.6	4.527	27.720	41.164	986
1096	4.398	34.993	5.95	11.9	1.16	18.5	4.310	27.748	41.208	1085
1197	4.255	34.982	5.92	12.0	1.21	18.3	4.160	27.755	41.227	1184
1296	4.162	34.976	5.93	11.9	1.15	17.9	4.059	27.761	41.241	1282
1429	4.026	34.972	6.06	12.2	1.15	18.2	3.912	27.773	41.264	1413
1494	3.980	34.974	6.13	12.1	1.15	18.0	3.860	27.780	41.275	1478
1694	3.848	34.973	6.06	12.7	1.13	17.5	3.712	27.795	41.301	1675
1893	3.737	34.973	6.04	13.5	1.12	17.4	3.583	27.808	41.323	1871
2067	3.596	34.974	6.04	14.7	1.14	17.2	3.428	27.824	41.352	2041
2269	3.255	34.964	6.07	16.9	1.14	17.1	3.073	27.850	41.405	2240

ENDEAVOR 86 STA- 34 LAT= 37 48.2N LON= 74 16.5W SONIC DEPTH= 94m
DATE 19/ 6/82

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
9	15.935	32.219	5.77	15.934	23.625	30.125	36.412	0.038	22.00	9
25	8.285	32.911	5.95	8.282	25.592	32.317	38.818	0.087	11.70	25
50	7.013	33.286	5.31	7.008	26.067	32.832	39.372	0.139	6.31	50
75	10.031	34.395	4.95	10.022	26.476	33.127	39.557	0.183	7.48	74
81	10.828	34.679	5.00	10.818	26.559	33.182	39.585	0.192	6.40	80

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
12	16.140	32.111	5.95	1.0	0.37	0.2	16.139	23.496	36.274	11
84	11.175	34.855	5.19	5.4	0.66	8.7	11.165	26.633	39.635	83

ENDEAVOR 86 STA- 35 LAT= 37 40.4N LON= 74 9.2W SONIC DEPTH= 902m
DATE 20/ 6/82

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	16.038	32.323	4.75	16.038	23.681	30.178	36.461	0.004	17.70	1
25	9.766	33.218	5.72	9.763	25.600	32.272	38.723	0.082	12.41	25
50	6.796	33.289	5.27	6.791	26.099	32.871	39.418	0.133	5.10	50
75	10.423	34.471	5.10	10.414	26.468	33.105	39.523	0.177	6.20	74
100	11.460	34.960	4.93	11.448	26.663	33.263	39.645	0.214	3.89	99
150	12.658	35.450	4.95	12.637	26.815	33.375	39.718	0.280	2.34	149
200	12.564	35.489	4.82	12.537	26.865	33.427	39.773	0.342	2.43	198
250	11.444	35.448	3.85	11.412	27.049	33.645	40.023	0.400	3.63	248
300	9.527	35.260	3.47	9.493	27.241	33.900	40.337	0.449	3.65	298
350	7.905	35.120	3.66	7.869	27.388	34.102	40.593	0.490	3.08	347
400	6.930	35.072	4.06	6.892	27.490	34.239	40.753	0.525	2.48	397
450	5.903	35.033	4.70	5.864	27.597	34.383	40.942	0.555	2.94	446
500	5.300	35.013	5.05	5.258	27.655	34.464	41.045	0.581	1.38	496
600	4.990	35.002	5.29	4.941	27.684	34.505	41.097	0.629	0.57	595
700	4.875	34.998	5.42	4.819	27.695	34.520	41.117	0.676	0.81	694
800	4.692	34.991	5.56	4.628	27.711	34.543	41.147	0.724	0.98	793
893	4.485	34.983	5.68	4.414	27.729	34.569	41.181	0.767	0.66	884

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
100	11.418	34.910	5.19	3.7	0.53	7.2	11.405	26.632	39.618	99
207	12.551	35.495	4.84	4.6	0.61	10.7	12.523	26.872	39.781	205
307	9.236	35.251	3.50				9.202	27.282	40.397	304
401	6.706	35.062	4.25	13.6	1.41	22.5	6.669	27.514	40.802	397
504	5.181	34.997	5.29	12.7	1.32	20.7	5.140	27.657	41.055	499
605	4.975	34.997	5.41	11.9	1.17	19.1	4.926	27.682	41.096	599
701	4.851	34.995	5.43				4.795	27.695	41.119	695
799	4.675	34.991	5.61	11.4	1.09	17.3	4.611	27.713	41.151	791
895	4.486	34.981	5.71				4.415	27.727	41.179	886

ENDEAVOR 86 STA- 36 LAT= 37 32.9N LON= 74 2.1W SONIC DEPTH= 1295m
DATE 20/ 6/82

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	19.047	34.130	5.60	19.047	24.345	30.748	36.942	0.004	16.54	1
25	16.833	35.127	5.91	16.829	25.654	32.102	38.339	0.073	9.01	25
50	12.785	35.031	5.63	12.778	26.462	33.022	39.365	0.122	9.17	50
75	13.870	35.640	5.40	13.859	26.713	33.235	39.543	0.157	3.82	74
100	14.304	35.865	5.22	14.290	26.795	33.303	39.598	0.190	1.91	99
150	14.241	35.871	5.28	14.219	26.815	33.325	39.621	0.253	0.80	149
200	13.833	35.775	5.25	13.804	26.828	33.351	39.660	0.317	2.06	198
250	12.277	35.519	4.22	12.243	26.946	33.516	39.870	0.379	3.32	248
300	11.033	35.421	3.38	10.996	27.104	33.714	40.104	0.433	3.51	298
350	9.172	35.212	3.33	9.133	27.263	33.934	40.383	0.480	3.07	347
400	7.281	35.090	3.90	7.242	27.456	34.192	40.704	0.519	2.40	397
450	6.775	35.068	4.15	6.733	27.509	34.264	40.793	0.553	2.01	446
500	6.163	35.039	4.51	6.118	27.569	34.346	40.896	0.584	2.09	496
600	5.327	35.011	5.10	5.277	27.651	34.459	41.040	0.637	1.46	595
700	4.876	35.006	5.46	4.819	27.701	34.526	41.123	0.686	1.14	694
800	4.489	34.985	5.72	4.426	27.729	34.569	41.180	0.732	0.89	793
900	4.354	34.982	5.81	4.283	27.742	34.587	41.204	0.777	0.65	891
1000	4.223	34.978	5.90	4.145	27.754	34.605	41.227	0.821	0.57	990
1200	4.150	34.977	5.92	4.055	27.762	34.617	41.242	0.910	0.34	1188
1311	4.131	34.976	5.95	4.026	27.765	34.620	41.247	0.961	0.26	1297

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
12	17.704	35.205	5.66	0.9	0.17	0.1	17.702	25.503	38.144	12
101	14.462	35.925	5.21	2.8	0.37	7.6	14.447	26.807	39.601	100
201	13.854	35.793	5.20	3.2	0.41	8.2	13.825	26.838	39.668	199
298	10.495	35.357	3.33	11.9	1.23	23.4	10.460	27.151	40.185	296
400	7.483	35.092	3.90	14.8	1.36	24.3	7.444	27.429	40.663	397
499	6.084	35.034	4.61	13.7	1.33	22.5	6.040	27.575	40.907	494
598	5.316	35.007	5.15	12.8	1.22	20.8	5.266	27.650	41.039	593
699	4.897	35.004	5.45	12.3	1.17	19.5	4.841	27.697	41.117	693
799	4.526	34.983	5.75	11.9	1.15	19.2	4.463	27.723	41.172	791
898	4.422	34.978	5.86	11.8	1.14	19.0	4.351	27.731	41.189	889
997	4.276	34.977	5.89	12.3	1.11	18.4	4.197	27.747	41.216	987
1097	4.162	34.974	5.92	12.0	1.08	18.1	4.076	27.758	41.236	1086
1206	4.160	34.976	5.95	12.1	1.08	17.6	4.064	27.760	41.240	1194
1314	4.131	34.976	6.04	12.1	1.06	17.5	4.026	27.765	41.247	1300

ENDEAVOR 86 STA- 37
DATE 20/ 6/82

LAT= 37 24.6N LON= 73 54.6W

SONIC DEPTH= 1809m

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	18.817	34.955	5.41	18.817	25.034	31.435	37.627	0.009	11.65	3
25	17.622	35.560	5.79	17.617	25.796	32.220	38.435	0.065	10.98	25
50	14.729	35.908	5.30	14.722	26.735	33.231	39.514	0.107	6.67	50
75	15.177	36.110	5.18	15.166	26.792	33.275	39.544	0.139	1.59	74
100	15.325	36.159	5.17	15.310	26.797	33.275	39.540	0.171	0.51	99
150	15.074	36.091	5.15	15.051	26.803	33.289	39.561	0.235	0.48	149
200	14.962	36.062	5.09	14.932	26.807	33.296	39.572	0.299	0.70	198
250	14.595	35.971	5.15	14.557	26.819	33.319	39.605	0.364	1.06	248
300	13.498	35.750	4.57	13.455	26.881	33.414	39.732	0.429	3.01	298
350	11.952	35.549	3.43	11.906	27.034	33.615	39.977	0.488	3.39	347
400	10.157	35.317	3.27	10.110	27.181	33.819	40.237	0.540	3.02	397
450	8.739	35.170	3.36	8.690	27.301	33.987	40.451	0.585	2.53	446
500	7.416	35.090	3.87	7.366	27.438	34.170	40.678	0.625	2.98	496
600	5.752	35.021	4.74	5.700	27.607	34.399	40.965	0.688	1.99	595
700	5.044	34.999	5.25	4.987	27.676	34.495	41.086	0.740	1.40	694
800	4.744	34.992	5.50	4.680	27.706	34.536	41.138	0.788	0.88	793
900	4.591	34.995	5.65	4.519	27.726	34.563	41.171	0.836	0.96	891
1000	4.396	34.990	5.80	4.316	27.745	34.589	41.205	0.882	0.68	990
1200	4.183	34.981	5.93	4.088	27.762	34.616	41.239	0.972	0.62	1188
1400	3.966	34.974	6.04	3.855	27.781	34.644	41.276	1.063	0.59	1385
1600	3.826	34.974	6.04	3.699	27.797	34.665	41.304	1.153	0.63	1582
1800	3.726	34.974	5.99	3.581	27.808	34.682	41.324	1.243	0.39	1779

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	18.524	35.295	5.34	1.5	0.13	0.1	18.523	25.369	37.969	9
103	15.300	36.153	5.20	2.7	0.30	6.3	15.285	26.799	39.543	102
201	14.956	36.060	5.16				14.925	26.807	39.572	199
299	13.545	35.764	4.81	2.7	0.50	7.6	13.502	26.883	39.731	297
422	10.389	35.349	3.29				10.338	27.166	40.208	418
499	7.687	35.101	3.80				7.636	27.408	40.628	494
589	6.140	35.035	4.53	14.1	1.33	23.9	6.087	27.569	40.899	583
696	5.159	35.000	5.21	14.2	1.37	23.2	5.101	27.664	41.065	689
796	4.776	34.996	5.48	13.1	1.26	21.0	4.712	27.705	41.136	788
900	4.554	34.992	5.68	12.7	1.23	19.2	4.482	27.728	41.175	891
992	4.421	34.990	5.81	12.2	1.15	19.0	4.342	27.742	41.200	982
1096	4.288	34.984	5.95	11.9	1.15	18.7	4.201	27.752	41.221	1085
1197	4.193	34.980	5.90	12.0	1.15	19.1	4.098	27.760	41.237	1184
1397	3.995	34.974	5.99	11.9	1.12	18.4	3.884	27.778	41.271	1382
1610	3.833	34.974	6.04	12.1	1.12	17.9	3.705	27.796	41.303	1592
1804	3.726	34.972	5.01	14.3	1.15	16.8	3.581	27.807	41.323	1783

ENDEAVOR 86 STA- 38 LAT= 36 55.6N LON= 73 42.7W SONIC DEPTH= 2686m
DATE 21/ 6/82

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
9	18.398	35.773	5.79	18.396	25.767	32.170	38.364	0.020	15.20	9
25	16.238	36.201	5.46	16.234	26.619	33.072	39.313	0.047	7.63	25
50	15.695	36.263	5.21	15.688	26.792	33.259	39.514	0.079	1.43	50
75	15.729	36.278	5.13	15.717	26.797	33.263	39.517	0.111	0.42	74
100	15.725	36.277	5.10	15.710	26.798	33.264	39.518	0.143	0.33	99
150	15.727	36.276	5.23	15.704	26.799	33.265	39.519	0.207	0.23	149
200	15.718	36.272	5.23	15.687	26.799	33.266	39.521	0.272	0.14	198
250	15.707	36.267	5.29	15.667	26.800	33.267	39.522	0.337	0.23	248
300	15.686	36.259	5.30	15.638	26.800	33.268	39.524	0.404	0.23	298
350	15.619	36.237	5.29	15.563	26.801	33.271	39.529	0.471	0.56	347
400	15.146	36.121	5.04	15.084	26.819	33.303	39.574	0.539	2.50	397
450	12.765	35.686	3.72	12.703	26.985	33.540	39.879	0.603	3.39	446
500	10.946	35.427	3.47	10.884	27.130	33.743	40.136	0.660	3.02	496
600	8.175	35.138	3.66	8.111	27.366	34.071	40.554	0.754	2.94	595
700	6.250	35.035	4.55	6.186	27.557	34.331	40.879	0.826	2.29	694
800	5.297	35.007	5.18	5.229	27.654	34.464	41.046	0.884	1.65	793
900	4.976	35.016	5.45	4.901	27.700	34.522	41.116	0.936	1.10	891
1000	4.627	34.995	5.70	4.545	27.723	34.559	41.165	0.985	0.81	990
1200	4.309	34.985	5.92	4.213	27.752	34.601	41.220	1.080	0.75	1188
1400	4.067	34.977	6.05	3.955	27.773	34.631	41.260	1.173	0.68	1385
1600	3.929	34.976	6.10	3.801	27.788	34.652	41.287	1.265	0.50	1582
1800	3.782	34.974	6.11	3.637	27.803	34.674	41.315	1.357	0.64	1779
2000	3.621	34.973	6.11	3.459	27.820	34.698	41.345	1.448	0.58	1976
2200	3.462	34.968	6.13	3.283	27.833	34.718	41.372	1.540	0.80	2172
2400	3.123	34.954	6.14	2.931	27.855	34.754	41.422	1.627	0.76	2369
2600	2.662	34.932	6.18	2.458	27.879	34.798	41.485	1.711	1.19	2565
2695	2.401	34.918	6.15	2.193	27.890	34.820	41.517	1.747	0.89	2658

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
11	17.356	36.041	5.73				17.354	26.229	38.871	11
104	15.722	36.280	5.12				15.706	26.801	39.521	103
201	15.729	36.273	5.15				15.697	26.798	39.519	199
300	15.680	36.262	5.15				15.633	26.804	39.528	298
398	15.442	36.191	5.12				15.380	26.807	39.545	394
501	11.450	35.498	3.52				11.386	27.093	40.068	497
599	8.370	35.150	3.57				8.306	27.345	40.520	594
699	6.324	35.035	4.52				6.250	27.547	40.864	693
795	5.402	35.005	5.05				5.333	27.640	41.024	788
899	4.957	35.011	5.40				4.883	27.698	41.115	891
1007	4.595	34.989	5.61				4.513	27.722	41.167	997
1096	4.456	34.985	5.74				4.368	27.735	41.191	1085
1298	4.186	34.986	5.90				4.082	27.767	41.244	1284
1496	4.014	34.981	5.97				3.894	27.782	41.274	1480
1690	3.865	34.989	6.06				3.729	27.806	41.310	1670
1892	3.693	34.974	6.09				3.540	27.813	41.332	1869
2091	3.560	34.971	5.99				3.390	27.825	41.356	2065
2295	3.299	34.958	6.04				3.114	27.841	41.394	2265
2490	3.015	34.951	6.10				2.816	27.863	41.439	2457
2700	2.401	34.915	6.12				2.194	27.888	41.515	2662

ENDEAVOR 86 STA- 41
DATE 26/ 6/82

LAT= 36 42.3N LON= 73 54.8W

SONIC DEPTH= 2583m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-8 kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	N cph	DE m
7	18.621	35.692	5.91	18.620	25.648	32.047	38.236	0.016	12.92	7
25	17.036	36.019	5.79	17.032	26.290	32.725	38.949	0.051	9.48	25
50	15.728	36.247	5.22	15.720	26.772	33.238	39.492	0.087	3.74	50
75	15.713	36.272	5.19	15.701	26.796	33.263	39.517	0.118	0.52	74
100	15.708	36.271	5.23	15.692	26.797	33.264	39.518	0.150	0.31	99
150	15.689	36.264	5.22	15.665	26.798	33.266	39.521	0.214	0.29	149
200	15.659	36.255	5.25	15.628	26.799	33.268	39.524	0.279	0.20	198
250	15.631	36.245	5.28	15.592	26.800	33.269	39.527	0.345	0.08	248
300	15.635	36.243	5.29	15.587	26.800	33.270	39.527	0.412	0.33	298
350	15.465	36.196	5.25	15.410	26.804	33.279	39.541	0.479	1.07	347
400	14.600	36.001	4.78	14.539	26.846	33.346	39.633	0.546	2.99	397
450	12.144	35.589	3.64	12.084	27.031	33.606	39.963	0.608	3.38	446
500	10.410	35.362	3.50	10.350	27.174	33.805	40.215	0.662	3.04	496
600	8.117	35.137	3.76	8.054	27.373	34.081	40.566	0.753	2.95	595
700	6.094	35.033	4.68	6.031	27.575	34.355	40.908	0.822	2.26	694
800	5.180	35.007	5.26	5.113	27.668	34.482	41.068	0.878	1.40	793
900	4.771	35.001	5.59	4.697	27.711	34.541	41.142	0.928	1.02	891
1000	4.628	35.004	5.71	4.546	27.730	34.566	41.172	0.976	0.85	990
1200	4.256	34.984	5.96	4.161	27.756	34.607	41.228	1.069	0.71	1188
1400	4.007	34.977	6.08	3.895	27.779	34.640	41.271	1.161	0.59	1385
1600	3.869	34.975	6.12	3.741	27.793	34.660	41.297	1.252	0.61	1582
1800	3.762	34.977	6.12	3.617	27.807	34.679	41.320	1.343	0.61	1779
2000	3.604	34.973	6.12	3.442	27.822	34.700	41.349	1.434	0.67	1976
2200	3.366	34.966	6.14	3.189	27.840	34.729	41.387	1.523	0.71	2172
2400	3.001	34.950	6.18	2.811	27.863	34.767	41.440	1.609	0.88	2369
2600	2.730	34.937	6.07	2.525	27.878	34.794	41.478	1.690	0.72	2565
2621	2.729	34.937	6.13	2.522	27.878	34.794	41.478	1.698	-0.10	2586

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-8 kg/m3	SIG-3 kg/m3	DE m
8	19.910	35.723	5.72	0.3	0.19		19.909	25.339	37.867	8
100	15.699	36.270	5.34	2.7	0.36	6.3	15.684	26.799	39.520	100
203	15.658	36.255	5.37	2.8	0.36	6.3	15.626	26.800	39.525	201
300	15.626	36.242	5.27	2.9	0.36	6.3	15.579	26.801	39.528	297
396	14.878		5.04	3.7	0.45	6.6				392
510	10.484		3.60	11.9	1.27	21.1				506
597	8.054	35.143	3.77	15.1	1.44	23.2	7.991	27.388	40.584	592
698	6.071		4.86	14.3	1.37	21.3				691
796	5.147	35.005	5.27	13.2	1.28	19.4	5.080	27.670	41.073	789
897	4.754	35.001	5.77	12.8	1.23	18.8	4.681	27.713	41.145	888
1003	4.602	35.001	5.71	12.7	1.23	18.4	4.521	27.731	41.175	993
1198	4.235	34.984	5.93	12.5	1.18	18.0	4.139	27.759	41.232	1185
1397	3.998	34.976	5.06	12.9	1.17	17.9	3.887	27.779	41.272	1382
1596	3.852	34.978	6.22	13.4	1.13	17.5	3.724	27.797	41.302	1578
1795	3.750	34.978		14.3	1.15	17.6	3.605	27.809	41.323	1774
1994	3.605	34.972	6.08	15.1	1.15	17.7	3.444	27.820	41.347	1970
2194	3.349	34.965	6.15	16.9	1.17	17.7	3.173	27.841	41.389	2167
2395	3.016	34.950	6.19	18.5	1.14	17.5	2.826	27.861	41.437	2364
2494	2.870	34.943		19.7	1.15	17.5	2.673	27.869	41.457	2461
2624	2.729	34.936	6.24	20.3	1.15	17.3	2.522	27.877	41.477	2588

ENDEAVOR 86 STA- 42 LAT= 35 56.8N LON= 74 51.4W SONIC DEPTH= 95m
DATE 26/ 6/82

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	21.378	31.000	5.45	21.377	21.352	27.730	33.900	0.019	31.39	3
25	10.860	33.370	6.66	10.857	25.532	32.167	38.583	0.105	15.43	25
50	11.800	34.845	5.16	11.793	26.509	33.100	39.473	0.152	7.61	50
75	12.711	35.376	5.00	12.700	26.745	33.304	39.646	0.187	4.35	74
89	12.495	35.383	4.80	12.483	26.794	33.359	39.707	0.205	3.89	88

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
4	21.405	30.997	5.40	6.1	0.79	11.6	21.404	21.343	33.889	4
94	12.489	35.383	4.71	0.8	0.23		12.477	26.795	39.708	93

ENDEAVOR 86 STA- 43
DATE 26/ 6/82

LAT= 35 49.3N LON= 74 28.3W

SONIC DEPTH= 1903m

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	24.237	35.663	4.99	24.237	24.075	30.350	36.422	0.004	-5.01	1
25	24.924	36.087	4.59	24.919	24.189	30.448	36.504	0.099	12.89	25
50	17.182	35.830	4.19	17.174	26.111	32.544	38.766	0.170	13.27	50
75	12.482	35.099	4.73	12.472	26.575	33.143	39.495	0.210	4.95	74
100	12.691	35.357	4.73	12.677	26.735	33.294	39.638	0.245	3.17	99
150	12.720	35.538	4.21	12.700	26.870	33.427	39.768	0.308	3.28	149
200	11.726	35.508	3.56	11.700	27.042	33.629	39.998	0.365	3.36	198
250	9.959	35.300	3.29	9.930	27.199	33.843	40.267	0.414	2.72	248
300	8.704	35.178	3.45	8.672	27.310	33.996	40.461	0.458	2.62	298
350	7.810	35.115	3.72	7.775	27.398	34.115	40.609	0.497	2.37	347
400	7.267	35.090	3.97	7.228	27.458	34.195	40.707	0.532	1.85	397
450	6.622	35.062	4.34	6.580	27.526	34.285	40.820	0.565	2.26	446
500	6.124	35.042	4.61	6.079	27.576	34.354	40.905	0.595	1.96	496
600	5.191	35.003	5.23	5.141	27.662	34.475	41.060	0.649	1.45	595
700	4.832	35.000	5.51	4.775	27.701	34.528	41.127	0.697	0.94	694
800	4.661	35.000	5.66	4.597	27.721	34.555	41.160	0.743	0.78	793
900	4.508	34.997	5.77	4.436	27.737	34.577	41.187	0.789	0.69	892
1000	4.372	34.993	5.86	4.293	27.749	34.595	41.211	0.834	0.60	990
1200	4.098	34.981	6.02	4.004	27.770	34.627	41.254	0.924	0.64	1188
1400	3.966	34.977	6.07	3.855	27.783	34.646	41.278	1.013	0.59	1385
1600	3.840	34.977	6.08	3.713	27.797	34.666	41.303	1.102	0.46	1582
1800	3.745	34.976	6.10	3.601	27.808	34.681	41.323	1.193	0.55	1779
1939	3.680	34.976	5.88	3.523	27.816	34.691	41.336	1.256	0.30	1916

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
9	25.316	35.839	4.85	1.0	0.14	0.2	25.314	23.881	36.184	9
103	12.950	35.458	4.67	4.1	0.57	10.6	12.936	26.761	39.647	102
203	10.878	35.423	3.44	11.3	1.17	21.4	10.853	27.132	40.141	201
302	8.739	35.186	3.50	14.6	1.44	24.8	8.706	27.311	40.459	300
401	7.181	35.088	3.99	14.4	1.41	23.5	7.142	27.468	40.723	398
501	6.042	35.032	4.73	13.6	1.34	21.8	5.998	27.579	40.914	497
599	5.292	35.004	5.13	12.7	1.26	20.5	5.242	27.650	41.041	593
701	4.824	34.995	5.49	11.1	1.14	18.2	4.767	27.698	41.124	694
787	4.697	34.999	5.62	12.0	1.19	19.0	4.634	27.717	41.152	780
901	4.512	34.993	5.79	11.9	1.15	18.7	4.440	27.733	41.184	892
998	4.377	34.991	5.93				4.298	27.747	41.209	988
1195	4.101	34.984	6.01	11.8	1.11	18.1	4.007	27.773	41.256	1183
1399	3.968	34.974	6.04	12.3	1.11	18.1	3.858	27.780	41.275	1384
1595	3.836	34.981	6.04	12.8	1.13	17.7	3.709	27.801	41.307	1577
1795	3.746	34.977	6.19		0.90		3.601	27.809	41.323	1774
1943	3.679	34.976	6.05	14.0	1.13	17.7	3.521	27.816	41.337	1919

ENDEAVOR 86 STA- 44 LAT= 35 42.5N LON= 74 4.8W SONIC DEPTH= 2812m
DATE 26/ 6/82

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	26.447	36.132	4.53	26.446	23.749	29.978	36.006	0.004	1.84	1
25	26.186	36.178	4.75	26.180	23.868	30.101	36.133	0.103	9.21	25
50	24.230	36.414	4.69	24.220	24.648	30.917	36.984	0.194	8.67	50
75	22.219	36.478	4.01	22.204	25.285	31.595	37.701	0.269	7.71	74
100	20.399	36.401	3.91	20.380	25.731	32.082	38.226	0.332	6.87	99
150	17.623	36.246	3.43	17.598	26.327	32.745	38.954	0.432	5.62	149
200	15.469	36.022	3.26	15.437	26.663	33.139	39.403	0.511	4.07	198
250	13.399	35.738	3.17	13.363	26.891	33.427	39.748	0.577	3.95	248
300	11.248	35.436	3.08	11.210	27.077	33.680	40.064	0.634	2.73	298
350	10.141	35.293	3.09	10.099	27.164	33.803	40.221	0.685	2.66	347
400	9.383	35.208	3.14	9.338	27.226	33.890	40.333	0.732	2.01	397
450	8.786	35.175	3.38	8.737	27.298	33.982	40.444	0.777	2.15	446
500	7.683	35.018	3.21	7.633	27.343	34.066	40.566	0.819	2.56	496
600	5.926	35.034	4.76	5.873	27.596	34.381	40.940	0.888	2.32	595
700	5.412	35.059	5.16	5.352	27.680	34.485	41.062	0.942	1.59	694
800	4.980	35.045	5.43	4.914	27.721	34.542	41.135	0.990	1.05	793
900	4.699	35.027	5.66	4.625	27.740	34.572	41.175	1.036	0.82	892
1000	4.437	35.000	5.80	4.358	27.748	34.591	41.205	1.081	0.68	990
1200	4.169	34.986	5.84	4.074	27.768	34.621	41.246	1.171	0.55	1188
1400	3.987	34.975	6.06	3.876	27.779	34.641	41.273	1.261	0.52	1385
1600	3.885	34.977	6.08	3.757	27.793	34.660	41.296	1.352	0.54	1582
1800	3.762	34.976	6.10	3.617	27.807	34.678	41.320	1.443	0.55	1779
2000	3.626	34.975	6.10	3.464	27.821	34.699	41.346	1.534	0.62	1976
2200	3.475	34.972	6.11	3.296	27.835	34.719	41.373	1.625	0.64	2173
2400	3.280	34.964	6.13	3.085	27.849	34.742	41.404	1.714	0.60	2369
2600	3.129	34.957	6.14	2.916	27.858	34.758	41.427	1.803	0.56	2565
2800	2.600	34.930	6.17	2.378	27.885	34.807	41.496	1.889	1.35	2761
2837	2.602	34.930	6.16	2.376	27.885	34.807	41.497	1.904	-0.19	2797

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
9	26.317	36.148	4.70				26.315	23.803	36.064	9
100	20.696	36.485	3.82				20.677	25.714	38.195	99
201	15.297	36.013	3.36				15.265	26.695	39.443	200
304	11.476	35.468	3.13				11.437	27.060	40.032	301
398	9.558	35.223	3.22				9.512	27.209	40.305	395
500	7.634	35.004	3.29				7.584	27.339	40.565	496
599	6.132	35.039	4.61				6.078	27.574	40.904	593
699	5.493	35.063	5.12				5.433	27.674	41.049	693
797	4.811	35.028	5.52				4.747	27.727	41.154	789
897	4.525	35.003	5.76				4.453	27.740	41.189	889
1008	4.314	34.988	5.84				4.234	27.752	41.218	998
1198	4.121	34.976	5.98				4.026	27.764	41.246	1186
1395	4.004	34.973	6.04				3.894	27.776	41.268	1380
1593	3.891	34.973	6.31				3.764	27.789	41.291	1575
1813	3.784	34.982	6.12				3.638	27.809	41.321	1792
1993	3.652	34.973	6.11	14.0	1.16		3.490	27.817	41.340	1969
2192	3.492	34.973	6.05				3.313	27.834	41.371	2164
2391	3.309	34.961	6.07				3.114	27.843	41.396	2360
2767	2.848	34.939	6.23	18.9	1.15		2.624	27.870	41.462	2728
2837	2.603	34.929	6.22	20.8	1.17		2.377	27.884	41.496	2798

ENDEAVOR 86 STA- 45
DATE 26/ 6/82

LAT= 35 34.5N LON= 73 43.7W

SONIC DEPTH= 3260m

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	26.985	36.149	4.60	26.984	23.591	29.810	35.828	0.013	5.80	3
25	26.651	36.171	4.46	26.646	23.715	29.940	35.964	0.105	3.00	25
50	25.062	36.375	4.69	25.051	24.367	30.621	36.672	0.205	10.85	50
75	22.872	36.695	5.07	22.857	25.263	31.557	37.648	0.283	8.79	74
100	21.608	36.639	4.70	21.588	25.581	31.903	38.020	0.348	6.22	99
150	20.059	36.646	4.34	20.031	26.010	32.367	38.517	0.459	4.74	149
200	18.878	36.577	4.44	18.842	26.269	32.654	38.830	0.554	2.99	198
250	18.279	36.531	4.44	18.235	26.388	32.787	38.978	0.643	2.37	248
300	17.988	36.511	4.62	17.935	26.447	32.854	39.052	0.728	1.82	298
350	17.461	36.419	4.40	17.402	26.508	32.929	39.140	0.812	2.08	347
400	16.753	36.308	4.27	16.687	26.595	33.035	39.265	0.892	2.62	397
450	15.707	36.124	3.98	15.636	26.697	33.167	39.424	0.969	2.89	446
500	14.319	35.896	3.60	14.244	26.829	33.338	39.633	1.041	2.69	496
600	11.311	35.434	3.09	11.234	27.071	33.673	40.057	1.168	3.08	595
700	9.011	35.199	3.43	8.933	27.285	33.963	40.419	1.270	2.59	694
800	7.126	35.093	4.10	7.047	27.486	34.229	40.747	1.353	3.06	793
900	5.758	35.079	4.94	5.677	27.656	34.449	41.014	1.415	1.60	892
1000	5.203	35.058	5.34	5.117	27.708	34.521	41.107	1.468	1.21	990
1200	4.526	35.010	5.76	4.428	27.748	34.588	41.199	1.565	0.76	1188
1400	4.229	34.992	5.94	4.116	27.768	34.620	41.243	1.660	0.63	1385
1600	4.022	34.979	6.03	3.893	27.781	34.642	41.273	1.754	0.57	1582
1800	3.893	34.978	6.06	3.746	27.795	34.661	41.298	1.849	0.57	1779
2000	3.777	34.979	6.07	3.613	27.809	34.681	41.323	1.943	0.61	1976
2200	3.604	34.975	6.07	3.423	27.825	34.704	41.353	2.037	0.67	2173
2400	3.422	34.970	6.08	3.225	27.840	34.727	41.384	2.130	0.66	2369
2600	3.218	34.960	6.10	3.004	27.853	34.750	41.415	2.222	0.62	2565
2800	3.027	34.950	6.13	2.796	27.864	34.769	41.442	2.311	0.63	2761
3000	2.865	34.941	6.17	2.618	27.873	34.785	41.465	2.399	0.76	2957
3333	2.432	34.918	6.14	2.159	27.893	34.825	41.523	2.538	0.52	3283

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
9	26.659	36.176	4.81				26.657	23.716	35.964	9
100	21.396	36.655	4.98				21.377	25.652	38.099	100
199	18.687	36.563	4.50				18.652	26.307	38.877	197
296	17.890	36.500	4.53				17.839	26.463	39.073	294
397	16.559	36.271	4.10				16.494	26.612	39.292	394
500	14.443	35.922	3.76				14.368	26.822	39.620	496
600	10.918	35.383	3.11				10.843	27.103	40.113	595
799	6.679	35.087	4.33				6.603	27.542	40.834	791
996	5.137	35.055	5.35				5.052	27.713	41.117	986
1196	4.485	35.003	5.78				4.387	27.747	41.201	1184
1406	4.235	34.990	5.91				4.121	27.766	41.240	1391
1595	4.003	34.977	5.07				3.874	27.781	41.275	1577
1804	3.872	34.986	5.06				3.726	27.804	41.308	1784
1992	3.758	34.974	5.07	14.4	0.98		3.595	27.807	41.322	1968
2208	3.590	34.970	6.15	15.5	1.04	18.5	3.408	27.822	41.352	2181
2396	3.422	34.969	6.16	16.8	1.10	18.5	3.225	27.839	41.383	2365
2594	3.233	34.960	6.07	18.3	1.09	18.5	3.020	27.851	41.412	2559
2890	2.937	34.948	6.17	19.4	1.10	18.5	2.699	27.871	41.457	2850
3179	2.542	34.926	6.23	22.5	1.27	17.8	2.283	27.889	41.509	3132
3338	2.424	34.916	5.16	25.4	1.12	18.3	2.151	27.892	41.523	3287

ENDEAVOR 86 STA- 46
DATE 27/ 6/82

LAT= 35 27.4N LON= 73 21.9W

SONIC DEPTH= 3740m

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	26.615	36.089	4.36	26.614	23.664	29.890	35.915	0.013	2.39	3
25	26.474	36.092	4.61	26.468	23.712	29.941	35.969	0.105	3.37	25
50	25.425	36.403	4.54	25.414	24.277	30.523	36.567	0.206	11.90	50
75	23.228	36.609	4.27	23.212	25.095	31.383	37.467	0.286	8.53	74
100	21.147	36.617	4.72	21.128	25.692	32.024	38.151	0.351	6.37	99
150	19.254	36.602	4.69	19.227	26.189	32.564	38.732	0.456	3.84	149
200	18.745	36.577	4.57	18.709	26.303	32.691	38.871	0.547	2.63	198
250	18.300	36.541	4.63	18.256	26.390	32.789	38.979	0.635	1.85	248
300	18.034	36.524	4.68	17.982	26.445	32.851	39.048	0.720	1.67	298
350	17.801	36.498	4.71	17.741	26.485	32.897	39.100	0.804	1.63	347
400	17.489	36.443	4.62	17.420	26.522	32.942	39.153	0.887	1.56	397
450	17.190	36.401	4.60	17.114	26.564	32.993	39.211	0.969	1.89	446
500	16.422	36.251	4.19	16.340	26.632	33.082	39.321	1.049	2.62	496
600	14.039	35.854	3.69	13.950	26.858	33.376	39.680	1.197	2.89	595
700	11.710	35.501	3.30	11.618	27.052	33.641	40.013	1.324	2.78	694
800	8.955	35.155	3.25	8.865	27.269	33.949	40.408	1.431	2.98	793
900	7.176	35.114	4.13	7.087	27.497	34.238	40.755	1.515	2.33	892
1000	6.144	35.083	4.68	6.051	27.612	34.390	40.943	1.582	1.87	990
1200	4.661	34.990	5.64	4.562	27.718	34.553	41.159	1.692	1.05	1188
1400	4.346	34.981	5.88	4.232	27.747	34.594	41.213	1.792	0.72	1385
1600	4.154	34.980	5.99	4.023	27.768	34.624	41.250	1.890	0.64	1582
1800	4.012	34.978	6.04	3.863	27.783	34.645	41.278	1.988	0.60	1779
2000	3.865	34.977	6.05	3.700	27.799	34.668	41.306	2.085	0.62	1976
2200	3.727	34.977	5.07	3.544	27.815	34.689	41.334	2.182	0.63	2173
2400	3.528	34.972	6.09	3.328	27.831	34.715	41.367	2.278	0.71	2369
2600	3.346	34.966	6.11	3.130	27.846	34.737	41.397	2.373	0.67	2565
2800	3.182	34.958	6.12	2.948	27.857	34.755	41.422	2.465	0.65	2761
3000	2.975	34.947	6.17	2.725	27.868	34.775	41.451	2.556	0.64	2957
3500	2.528	34.923	6.26	2.235	27.891	34.819	41.514	2.776	0.62	3446
3815	2.226	34.901	5.99	1.906	27.900	34.842	41.551	2.908	0.73	3754

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
6	26.548	36.093	4.78				26.547	23.688	35.942	5
101	21.286	36.628	4.72				21.266	25.662	38.115	101
201	18.826	36.590	4.71				18.790	26.292	38.856	200
299	18.017	36.521	4.64				17.965	26.448	39.051	297
400	17.492	36.451	4.66				17.424	26.527	39.158	397
500	16.218	36.210	4.08				16.136	26.648	39.348	496
600	13.874	35.830	3.63				13.786	26.875	39.706	595
699	11.748	35.528	3.49				11.656	27.065	40.024	692
896	7.191	35.116	4.15				7.101	27.496	40.753	887
1096	5.001	35.001	5.40				4.908	27.687	41.102	1085
1391	4.405	34.993	5.84				4.290	27.750	41.211	1377
1695	4.077	34.974	5.02				3.938	27.772	41.261	1676
1993	3.875	34.974	5.08	12.5	1.07	17.6	3.710	27.796	41.302	1969
2192	3.735	34.973	6.08	13.5	1.11	17.6	3.552	27.811	41.329	2164
2491	3.459	34.975	6.11	15.6	1.17	17.9	3.251	27.842	41.383	2458
2791	3.167	34.956	6.17	17.5	1.17	17.8	2.934	27.856	41.423	2752
3095	2.878	34.941	6.16	18.6	1.15	17.5	2.620	27.872	41.465	3050
3392	2.602	34.927	5.21	19.7	1.15	17.0	2.319	27.887	41.504	3341
3697	2.375	34.911	6.21	23.4	1.17	17.4	2.065	27.895	41.533	3638
3818	2.226	34.906	5.11	29.5	1.22	18.0	1.906	27.904	41.554	3756

ENDEAVOR 86 STA- 47
DATE 27/ 6/82

LAT= 35 19.6N LON= 73 0.0W

SONIC DEPTH= 4109m

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	25.808	36.035	4.44	25.808	23.876	30.118	36.158	0.012	-1.06	3
25	25.458	36.088	4.79	25.452	24.027	30.275	36.321	0.101	11.20	25
50	24.008	36.593	4.96	23.997	24.850	31.123	37.192	0.184	5.68	50
75	21.967	36.681	5.24	21.952	25.511	31.824	37.933	0.255	8.97	74
100	20.223	36.608	5.53	20.204	25.935	32.288	38.435	0.311	5.70	99
150	18.924	36.578	4.69	18.897	26.256	32.639	38.815	0.407	3.21	149
200	18.448	36.554	4.85	18.413	26.360	32.756	38.942	0.495	1.96	198
250	18.257	36.545	4.86	18.214	26.404	32.804	38.995	0.581	1.51	248
300	18.064	36.526	4.62	18.012	26.439	32.845	39.041	0.667	1.51	298
350	17.910	36.512	4.75	17.849	26.469	32.879	39.079	0.751	1.27	347
400	17.713	36.484	4.73	17.644	26.498	32.913	39.118	0.835	1.48	397
450	17.483	36.448	4.71	17.406	26.529	32.950	39.161	0.918	1.38	446
500	17.165	36.393	4.64	17.081	26.566	32.996	39.215	1.001	2.13	496
600	15.509	36.096	4.05	15.414	26.725	33.201	39.464	1.160	2.59	595
700	13.174	35.720	3.60	13.074	26.936	33.481	39.809	1.301	2.69	694
800	11.129	35.444	3.55	11.026	27.117	33.725	40.115	1.424	2.73	793
900	8.791	35.196	3.57	8.691	27.321	34.007	40.470	1.528	2.74	892
1000	7.333	35.119	4.07	7.231	27.481	34.217	40.728	1.613	2.62	990
1200	4.927	35.009	5.44	4.825	27.703	34.528	41.125	1.735	1.17	1188
1400	4.407	34.980	5.83	4.292	27.740	34.585	41.202	1.838	0.74	1385
1600	4.212	34.980	5.95	4.080	27.762	34.616	41.240	1.938	0.66	1582
1800	4.060	34.981	6.03	3.911	27.780	34.641	41.271	2.037	0.64	1779
2000	3.872	34.976	5.07	3.706	27.798	34.666	41.304	2.135	0.68	1976
2200	3.716	34.977	5.08	3.534	27.816	34.691	41.336	2.232	0.67	2173
2400	3.527	34.973	5.08	3.327	27.832	34.716	41.368	2.327	0.69	2369
2600	3.326	34.963	6.12	3.110	27.846	34.738	41.399	2.421	0.63	2565
2800	3.116	34.953	6.14	2.884	27.859	34.760	41.430	2.513	0.69	2761
3000	2.890	34.942	5.19	2.642	27.871	34.783	41.462	2.603	0.71	2957
3500	2.461	34.920	6.24	2.169	27.894	34.825	41.523	2.816	0.58	3446
4000	2.184	34.895	5.05	1.844	27.900	34.844	41.555	3.022	0.27	3934
4175	2.198	34.894	6.04	1.838	27.899	34.844	41.556	3.095	0.04	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
8	25.725	36.028	4.84				25.724	23.897	36.182	8
100	20.239	36.610	5.30				20.221	25.933	38.431	99
199	18.482	36.555	4.62				18.447	26.353	38.933	197
299	18.088	36.530	4.78				18.036	26.437	39.037	297
396	17.693	36.482	4.68				17.625	26.502	39.122	393
497	17.119	36.385	4.68				17.035	26.570	39.222	493
599	15.379	36.087	3.99				15.285	26.748	39.494	594
694	13.479	35.768	3.76				13.379	26.911	39.766	687
997	7.418	35.127	3.93				7.316	27.474	40.716	987
1197	4.956	35.008	5.43				4.854	27.699	41.118	1184
1394	4.430	34.981	5.79				4.315	27.738	41.198	1380
1694	4.151	34.983	5.96				4.011	27.772	41.255	1675
1996	3.882	34.972	6.04	13.2	1.09	18.4	3.717	27.793	41.299	1972
2281	3.660	34.972	6.06	15.2	1.08	18.3	3.470	27.818	41.343	2252
2691	3.247	34.973	6.08				3.023	27.861	41.421	2654
2992	2.921	34.948	6.21	19.5	1.02	17.8	2.672	27.873	41.461	2949
3292	2.615	34.928	6.16	21.5	1.28	17.5	2.342	27.886	41.501	3243
3692	2.297	34.910	6.15	28.2	1.21	18.2	1.989	27.901	41.544	3634
4073	2.185	34.892	6.01	36.7	1.23	19.3	1.837	27.898	41.554	4005
4178	2.198	34.894	5.98	36.8	1.25	19.4	1.838	27.900	41.556	4108

ENDEAVOR 86 STA- 48
DATE 27/ 6/82

LAT= 35 12.3N LON= 72 37.8W

SONIC DEPTH= 4316m

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	24.514	36.297	4.71	24.513	24.471	30.736	36.798	0.010	10.26	3
25	24.065	36.622	4.99	24.060	24.853	31.124	37.192	0.079	4.42	25
50	22.643	36.695	5.25	22.633	25.328	31.627	37.722	0.152	8.22	50
75	21.264	36.694	5.12	21.249	25.717	32.046	38.169	0.213	4.83	74
100	20.605	36.668	5.03	20.586	25.878	32.222	38.360	0.269	5.20	99
150	19.174	36.603	4.71	19.147	26.210	32.588	38.757	0.368	3.32	149
200	18.650	36.568	4.43	18.615	26.320	32.710	38.892	0.458	2.26	198
250	18.296	36.544	4.46	18.252	26.393	32.792	38.983	0.545	1.83	248
300	18.131	36.534	4.78	18.079	26.429	32.833	39.027	0.631	1.46	298
350	17.992	36.524	4.80	17.931	26.458	32.866	39.064	0.716	1.36	347
400	17.846	36.506	4.76	17.776	26.483	32.894	39.096	0.800	1.30	397
450	17.613	36.472	4.76	17.536	26.515	32.933	39.141	0.884	1.50	446
500	17.302	36.416	4.63	17.217	26.550	32.976	39.192	0.968	1.65	496
600	16.334	36.241	4.29	16.236	26.649	33.101	39.343	1.131	2.24	595
700	14.489	35.928	3.98	14.383	26.824	33.329	39.620	1.283	2.59	694
800	12.413	35.618	3.76	12.303	27.011	33.579	39.930	1.419	2.57	793
900	10.246	35.328	3.40	10.136	27.185	33.822	40.240	1.537	2.63	892
1000	8.224	35.157	3.72	8.116	27.380	34.085	40.567	1.636	2.57	990
1200	5.606	35.060	5.03	5.498	27.664	34.463	41.035	1.783	2.09	1188
1400	4.785	35.028	5.60	4.666	27.736	34.567	41.169	1.891	0.94	1385
1600	4.384	35.006	5.85	4.249	27.765	34.612	41.229	1.993	0.76	1582
1800	4.172	35.002	5.94	4.021	27.786	34.641	41.267	2.092	0.65	1779
2000	3.987	34.993	5.00	3.820	27.800	34.663	41.297	2.191	0.61	1976
2200	3.808	34.990	6.02	3.624	27.817	34.689	41.330	2.289	0.65	2173
2400	3.635	34.983	5.03	3.433	27.831	34.710	41.358	2.386	0.67	2369
2600	3.424	34.972	5.05	3.206	27.844	34.732	41.389	2.481	0.65	2565
2800	3.224	34.959	6.11	2.989	27.853	34.750	41.416	2.575	0.67	2761
3000	3.010	34.948	5.16	2.759	27.865	34.772	41.446	2.667	0.69	2957
3500	2.510	34.923	5.25	2.217	27.892	34.821	41.517	2.887	0.62	3446
4000	2.268	34.904	6.19	1.926	27.901	34.842	41.550	3.096	0.36	3934
4387	2.224	34.894	5.88	1.839	27.899	34.844	41.556	3.262	0.21	4311

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
9	24.130	36.616	4.91				24.128	24.829	37.165	9
103	19.990	36.634	4.76				19.971	26.018	38.527	102
203	18.609	36.565	4.59				18.573	26.328	38.903	201
300	18.161	36.538	4.80				18.109	26.425	39.021	298
402	17.786	36.497	4.70				17.717	26.490	39.107	399
500	17.378	36.429	4.62				17.293	26.542	39.180	496
701	14.635	35.952	3.94				14.528	26.811	39.599	695
901	10.356	35.337	3.42				10.245	27.173	40.221	892
1099	6.994	35.103	4.16				6.884	27.516	40.788	1088
1297	5.120	35.049	5.38				5.007	27.714	41.121	1284
1603	4.384	35.007	5.81				4.250	27.765	41.230	1586
1895	4.082	35.000	5.96				3.924	27.794	41.284	1873
2192	3.817	34.989	5.00	13.4	1.14	18.1	3.633	27.815	41.327	2164
2493	3.522	34.980	5.01	15.9	1.17	18.5	3.313	27.840	41.376	2460
2790	3.218	34.964	5.09				2.984	27.858	41.421	2751
3094	2.883	34.943	5.22	19.8	1.13	17.7	2.625	27.874	41.465	3049
3501	2.430	34.920	6.22	20.4	1.12	17.9	2.139	27.896	41.528	3501
3893	2.291	34.906	5.17	24.9	1.15	18.0	1.961	27.900	41.546	3830
4295	2.214	34.893	5.99	33.5	1.28	19.5	1.840	27.899	41.555	4221
4390	2.225	34.893	5.97	34.0	1.28	19.6	1.839	27.899	41.555	4314

ENDEAVOR 86 STA- 49
DATE 27/ 6/82

LAT= 34 59.9N LON= 72 0.0W

SONIC DEPTH= 4390m

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	23.824	36.372	4.97	23.824	24.734	31.012	37.086	0.010	6.15	3
25	23.340	36.402	4.88	23.335	24.901	31.189	37.272	0.078	4.85	25
50	21.094	36.546	5.28	21.084	25.649	31.983	38.111	0.148	10.69	50
75	19.733	36.542	5.00	19.719	26.014	32.379	38.536	0.201	4.38	74
100	19.376	36.550	4.86	19.358	26.115	32.488	38.653	0.250	3.09	99
150	18.934	36.558	4.86	18.907	26.238	32.621	38.796	0.343	2.56	149
200	18.554	36.549	4.88	18.519	26.330	32.723	38.907	0.433	2.06	198
250	18.389	36.548	4.90	18.345	26.373	32.770	38.958	0.521	1.47	248
300	18.290	36.545	4.90	18.237	26.398	32.798	38.988	0.607	1.27	298
350	18.177	36.535	4.88	18.116	26.420	32.823	39.017	0.694	1.22	347
400	18.049	36.526	4.80	17.980	26.448	32.854	39.051	0.781	1.30	397
450	17.870	36.505	4.78	17.792	26.478	32.889	39.090	0.867	1.29	446
500	17.696	36.481	4.77	17.609	26.505	32.920	39.126	0.952	1.48	496
600	17.003	36.354	4.46	16.902	26.579	33.013	39.237	1.121	1.83	595
700	15.675	36.120	4.11	15.563	26.710	33.182	39.441	1.283	2.47	694
800	13.830	35.820	3.86	13.712	26.882	33.407	39.718	1.432	2.44	793
900	11.907	35.539	3.62	11.786	27.049	33.633	40.000	1.565	2.59	892
1000	9.642	35.254	3.39	9.524	27.232	33.889	40.326	1.681	2.83	990
1200	6.313	35.078	4.60	6.199	27.589	34.362	40.909	1.851	2.25	1188
1400	5.052	35.035	5.42	4.930	27.711	34.532	41.124	1.970	1.13	1385
1600	4.419	34.993	5.83	4.284	27.751	34.596	41.213	2.076	0.84	1582
1800	4.142	34.981	5.98	3.992	27.772	34.630	41.257	2.178	0.66	1779
2000	3.985	34.978	6.04	3.818	27.788	34.652	41.286	2.278	0.59	1976
2200	3.835	34.975	6.07	3.650	27.803	34.673	41.313	2.378	0.65	2173
2400	3.657	34.974	6.08	3.455	27.821	34.699	41.347	2.478	0.68	2369
2600	3.488	34.971	6.06	3.269	27.837	34.723	41.377	2.575	0.68	2565
2800	3.290	34.963	5.08	3.054	27.850	34.745	41.408	2.671	0.66	2761
3000	3.091	34.951	6.13	2.839	27.861	34.764	41.435	2.765	0.68	2957
3500	2.611	34.927	5.22	2.316	27.888	34.812	41.504	2.991	0.66	3446
4000	2.312	34.907	5.20	1.968	27.899	34.839	41.545	3.205	0.41	3934
4459	2.238	34.894	5.04	1.843	27.899	34.844	41.555	3.404	0.27	4381

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	23.333	36.405	4.93		0.08		23.330	24.905	37.276	10
101	19.419	36.551	4.94	0.4	0.06	1.0	19.401	26.105	38.641	100
201	18.620	36.556	4.92	0.5	0.09	1.8	18.584	26.319	38.892	199
300	18.278	36.545	4.91	0.9	0.09	2.3	18.225	26.401	38.992	298
398	18.021	36.527	4.77	1.3	0.15	3.7	17.952	26.455	39.060	395
497	17.661	36.475	4.71	1.3	0.19	4.6	17.575	26.508	39.132	493
597	17.073	36.370	4.45	2.0	0.26	6.4	16.973	26.574	39.229	591
697	15.578	36.114	4.08	2.2	0.33	7.2	15.468	26.727	39.463	691
797	13.880	35.830	3.84	5.9	0.72	14.3	13.762	26.880	39.712	789
894	11.835	35.527	3.50	9.8	1.12	19.6	11.716	27.053	40.008	886
1002	9.584	35.251	3.36	14.5	1.44	24.0	9.466	27.239	40.337	992
1198	6.342	35.080	4.53	14.6	1.42	22.5	6.227	27.587	40.905	1186
1497	4.627	35.007	5.69	12.3	1.20	19.5	4.500	27.738	41.184	1481
1949	4.012	34.984	5.98	12.5	1.13	17.6	3.850	27.789	41.284	1926
2495	3.584	34.989	5.02	15.2	1.19	18.6	3.373	27.841	41.373	2462
2986	3.109	34.955	5.18	18.5	1.18	18.2	2.857	27.862	41.435	2943
3489	2.616	34.931	6.19	21.1	1.14	17.9	2.322	27.890	41.506	3435
3991	2.314	34.907	6.15	27.7	1.22	18.4	1.972	27.900	41.545	3925
4364	2.241		5.09	33.8	1.27	19.2				4288
4464	2.238	34.898	5.98	21.7	0.88		1.843	27.902	41.558	4385

ENDEAVOR 86 STA- 50
DATE 28/ 6/82

LAT= 35 29.9N LON= 72 6.9W

SONIC DEPTH= 4184m

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
5	26.631	36.109	4.39	26.630	23.674	29.900	35.925	0.021	4.44	5
25	26.305	36.100	4.48	26.299	23.771	30.003	36.034	0.104	3.20	25
50	24.901	36.457	4.40	24.890	24.478	30.734	36.787	0.202	11.79	50
75	22.501	36.610	4.58	22.485	25.306	31.609	37.707	0.278	8.47	74
100	21.063	36.628	4.74	21.043	25.724	32.058	38.186	0.340	6.44	99
150	19.548	36.614	4.52	19.521	26.121	32.490	38.651	0.444	3.80	149
200	18.841	36.586	4.48	18.805	26.285	32.671	38.848	0.537	2.34	198
250	18.398	36.552	4.48	18.354	26.374	32.770	38.958	0.626	2.31	248
300	18.081	36.525	4.63	18.028	26.435	32.840	39.036	0.711	1.66	298
350	17.931	36.513	4.70	17.870	26.465	32.874	39.073	0.796	1.38	347
400	17.752	36.487	4.70	17.683	26.491	32.905	39.109	0.880	1.29	397
450	17.547	36.454	4.67	17.470	26.518	32.938	39.147	0.964	1.63	446
500	17.105	36.374	4.47	17.021	26.566	32.997	39.218	1.047	2.04	496
600	15.801	36.146	4.12	15.705	26.698	33.166	39.421	1.207	2.37	595
700	13.906	35.831	3.67	13.803	26.872	33.395	39.702	1.353	2.62	694
800	11.270	35.433	3.09	11.167	27.083	33.687	40.072	1.481	2.69	793
900	9.370	35.250	3.50	9.266	27.271	33.937	40.382	1.590	2.79	892
1000	7.524	35.125	3.96	7.421	27.457	34.187	40.692	1.680	2.59	990
1200	5.003	34.998	5.36	4.900	27.685	34.507	41.101	1.808	1.29	1188
1400	4.538	34.991	5.71	4.421	27.734	34.575	41.186	1.914	0.85	1385
1600	4.316	35.001	5.87	4.183	27.767	34.617	41.237	2.014	0.73	1582
1800	4.116	34.997	5.96	3.966	27.787	34.645	41.274	2.113	0.69	1779
2000	3.857	34.979	6.04	3.692	27.801	34.670	41.309	2.210	0.65	1976
2200	3.722	34.979	6.03	3.539	27.817	34.692	41.336	2.306	0.64	2173
2400	3.519	34.971	6.07	3.319	27.832	34.716	41.368	2.402	0.62	2369
2600	3.364	34.966	6.07	3.147	27.844	34.735	41.394	2.496	0.65	2565
2800	3.141	34.955	6.11	2.908	27.858	34.758	41.427	2.589	0.67	2761
3000	2.926	34.944	6.16	2.677	27.870	34.779	41.457	2.679	0.73	2957
3500	2.423	34.918	6.22	2.133	27.895	34.828	41.527	2.894	0.58	3446
4000	2.236	34.900	6.14	1.895	27.900	34.843	41.552	3.101	0.33	3934
4287	2.215	34.894	5.97	1.841	27.899	34.844	41.555	3.222	0.16	4213

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
11	26.260	36.084	4.86	1.2	0.15	0.1	26.258	23.772	36.037	11
104	20.867	36.623	4.86	0.5	0.04	0.1	20.847	25.773	38.244	103
204	18.927	36.595	4.61	1.0	0.05	1.8	18.890	26.270	38.829	203
303	18.200	36.532	4.55	1.3	0.09	3.6	18.146	26.411	39.005	301
413	17.816	36.497	4.70	1.4	0.12	4.3	17.744	26.484	39.098	409
500	17.223	36.394	4.54	1.9	0.18	6.0	17.139	26.552	39.199	496
699	14.143	35.892	3.69	5.5	0.57	13.9	14.039	26.869	39.685	692
897	9.567	35.269	3.47	12.6	1.16	22.6	9.462	27.254	40.351	889
1097	5.628	35.044	4.83	13.1	1.20	21.0	5.530	27.647	41.016	1086
1395	4.561	34.994	5.73	11.5	1.12	18.7	4.444	27.734	41.184	1380
1663	4.226	35.001	5.87	12.0	1.10	18.3	4.088	27.778	41.255	1645
1993	3.851	34.975	5.26	12.4	1.08	17.9	3.686	27.799	41.307	1969
2290	3.625	34.973	6.06	14.2	1.11	18.0	3.435	27.822	41.350	2260
2591	3.368	34.972	6.05	16.1	1.12	18.0	3.152	27.849	41.398	2556
2887	3.043	34.959	6.12	16.8	1.12	17.7	2.803	27.871	41.448	2847
3191	2.692	34.935	6.23	19.5	1.13	17.9	2.428	27.884	41.492	3144
3495	2.416	34.920	6.19	22.2	1.12	17.6	2.126	27.897	41.530	3494
3796	2.277	34.907	6.12				1.958	27.901	41.547	3735
4193	2.203	34.893	6.00	34.0	1.22	19.1	1.841	27.899	41.555	4122
4290	2.215	34.893	6.00	34.3	1.25	19.1	1.841	27.899	41.555	4216

ENDEAVOR 86 STA- 51
DATE 28/ 6/82

LAT= 35 54.5N LON= 72 12.5W

SONIC DEPTH= 4057m

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	26.799	36.224	4.57	26.798	23.707	29.928	35.949	0.013	3.53	3
25	26.516	36.232	4.65	26.510	23.805	30.032	36.058	0.104	5.47	25
50	25.616	36.524	4.31	25.605	24.309	30.551	36.590	0.201	9.06	50
75	23.178	36.736	3.90	23.162	25.205	31.493	37.577	0.281	8.52	74
100	21.851	36.645	5.24	21.831	25.518	31.834	37.946	0.347	6.18	99
150	20.036	36.639	4.77	20.008	26.012	32.369	38.519	0.459	4.99	149
200	18.796	36.582	4.64	18.760	26.294	32.680	38.859	0.554	3.29	198
250	18.243	36.536	4.57	18.199	26.400	32.801	38.993	0.642	2.25	248
300	17.944	36.514	4.74	17.892	26.460	32.869	39.068	0.726	1.84	298
350	17.686	36.474	4.59	17.626	26.495	32.910	39.116	0.810	1.66	347
400	17.085	36.365	4.30	17.017	26.559	32.991	39.212	0.892	2.24	397
450	16.156	36.190	3.85	16.083	26.645	33.103	39.348	0.971	2.65	446
500	14.881	35.976	3.51	14.804	26.769	33.262	39.542	1.045	3.29	496
600	11.680	35.497	3.21	11.602	27.051	33.641	40.014	1.174	2.59	595
700	9.088	35.199	3.31	9.009	27.273	33.948	40.401	1.281	3.61	694
800	6.197	35.039	4.52	6.124	27.568	34.344	40.895	1.358	2.59	793
900	5.343	35.017	5.07	5.265	27.658	34.466	41.047	1.417	1.56	891
1000	4.971	35.011	5.37	4.887	27.698	34.520	41.114	1.469	1.08	990
1200	4.457	34.994	5.76	4.360	27.743	34.586	41.199	1.568	0.79	1188
1400	4.187	34.982	5.92	4.074	27.765	34.618	41.243	1.663	0.64	1385
1600	4.015	34.978	5.98	3.885	27.780	34.642	41.273	1.757	0.59	1582
1800	3.880	34.978	6.02	3.734	27.797	34.664	41.301	1.851	0.63	1779
2000	3.724	34.979	6.01	3.560	27.815	34.689	41.332	1.945	0.63	1976
2200	3.542	34.974	6.03	3.362	27.830	34.712	41.363	2.037	0.63	2173
2400	3.349	34.966	6.05	3.153	27.844	34.734	41.394	2.129	0.65	2369
2600	3.169	34.958	6.08	2.956	27.856	34.754	41.421	2.219	0.64	2565
2800	2.968	34.948	6.11	2.738	27.867	34.774	41.450	2.307	0.67	2761
3000	2.764	34.938	6.15	2.518	27.879	34.796	41.480	2.393	0.65	2957
3500	2.337	34.913	6.18	2.049	27.898	34.834	41.537	2.600	0.51	3446
4000	2.197	34.896	6.07	1.857	27.900	34.844	41.554	2.804	0.30	3934
4109	2.207	34.896	6.04	1.854	27.900	34.844	41.555	2.849	0.08	4040

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
9	26.902	36.251	4.62				26.899	23.695	35.933	9
101	21.542	36.641	4.96				21.522	25.601	38.042	100
201	18.767	36.579	4.67				18.731	26.299	38.865	200
299	17.971	36.504	4.54				17.919	26.446	39.052	297
394	17.391	36.412	4.41				17.324	26.521	39.158	391
496	15.531	36.106	3.96				15.452	26.725	39.461	492
600	11.849	35.505	3.10				11.770	27.026	39.978	595
797	6.608	35.056	4.28				6.533	27.527	40.825	789
982	5.031	35.005	5.32				4.948	27.685	41.098	973
1195	4.519	34.989	5.73				4.421	27.732	41.184	1183
1397	4.200	34.977	5.92				4.087	27.759	41.236	1382
1693	3.943	34.966	6.15				3.806	27.779	41.278	1674
1995	3.727	34.972	6.04	10.3	0.87		3.564	27.809	41.326	1971
2294	3.458	34.963	6.07	15.3	1.12	16.7	3.270	27.830	41.371	2265
2701	3.083	34.944	6.15	17.1	1.17	17.5	2.861	27.853	41.426	2664
2993	2.796	34.935	6.25	19.5	1.16	17.2	2.550	27.874	41.472	2950
3292	2.501	34.920	6.22	21.1	1.11	16.7	2.231	27.889	41.513	3243
3690	2.270	34.905	6.16	24.3	1.10		1.963	27.899	41.544	3631
3990	2.207	34.893	6.06	31.4	1.21	17.4	1.868	27.896	41.550	3924
4112	2.207	34.891	6.04	32.7	1.23	17.9	1.854	27.896	41.551	4043

ENDEAVOR 86 STA- 52
DATE 28/ 6/82

LAT= 36 14.0N LON= 72 17.8W

SONIC DEPTH= 3838m

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	25.369	35.623	4.81	25.369	23.701	29.955	36.006	0.004	5.61	1
25	25.612	36.002	4.82	25.607	23.914	30.160	36.204	0.102	7.06	25
50	21.814	36.150	4.77	21.804	25.148	31.470	37.586	0.190	14.17	50
75	18.360	36.310	3.53	18.347	26.190	32.590	38.780	0.246	8.07	74
100	15.471	35.847	4.09	15.456	26.524	33.001	39.266	0.288	5.92	99
150	15.101	36.097	5.01	15.078	26.802	33.287	39.558	0.355	1.46	149
200	14.697	35.998	5.06	14.667	26.816	33.313	39.596	0.420	1.26	198
250	13.472	35.736	4.71	13.436	26.875	33.409	39.727	0.484	3.04	248
300	11.421	35.474	3.33	11.383	27.075	33.672	40.051	0.541	3.49	298
350	9.700	35.266	3.25	9.659	27.218	33.871	40.303	0.591	2.91	347
400	8.479	35.148	3.40	8.437	27.324	34.018	40.490	0.634	2.76	397
450	7.481	35.090	3.84	7.436	27.428	34.157	40.663	0.673	2.34	446
500	6.677	35.056	4.21	6.630	27.514	34.272	40.805	0.707	2.42	496
600	5.512	35.023	4.92	5.461	27.639	34.440	41.013	0.765	1.65	595
700	5.070	35.013	5.28	5.012	27.684	34.502	41.091	0.816	1.16	694
800	4.646	34.988	5.58	4.582	27.714	34.548	41.154	0.863	0.97	793
900	4.497	34.993	5.71	4.426	27.735	34.575	41.186	0.909	0.82	891
1000	4.320	34.984	5.82	4.241	27.748	34.595	41.213	0.955	0.67	990
1200	4.113	34.977	5.95	4.019	27.766	34.622	41.249	1.044	0.61	1188
1400	3.954	34.976	6.01	3.844	27.784	34.647	41.280	1.134	0.60	1385
1600	3.831	34.979	5.99	3.704	27.800	34.669	41.307	1.223	0.58	1582
1800	3.702	34.979	6.00	3.557	27.815	34.689	41.333	1.312	0.59	1779
2000	3.531	34.974	6.01	3.371	27.829	34.711	41.361	1.401	0.62	1976
2200	3.368	34.968	6.01	3.191	27.841	34.730	41.388	1.489	0.58	2172
2400	3.179	34.960	6.03	2.986	27.854	34.752	41.417	1.577	0.66	2369
2600	2.942	34.949	6.08	2.733	27.869	34.776	41.452	1.662	0.67	2565
2800	2.746	34.939	6.11	2.521	27.879	34.796	41.479	1.745	0.67	2761
3000	2.554	34.928	6.16	2.313	27.889	34.813	41.506	1.826	0.57	2957
3500	2.242	34.906	6.17	1.956	27.900	34.840	41.547	2.023	0.43	3446
3881	2.173	34.895	6.17	1.847	27.899	34.844	41.555	2.175	0.24	3818

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	25.554	35.770	4.82				25.553	23.755	36.051	4
104	14.300	35.692	4.03				14.285	26.662	39.469	103
203	14.639	35.985	5.09				14.609	26.818	39.602	201
302	11.825	35.532	3.54				11.786	27.044	39.995	299
401	8.754	35.176	3.42				8.711	27.303	40.451	397
600	5.542	35.017	4.96				5.491	27.630	41.003	595
701	5.084	35.014	5.28				5.026	27.683	41.090	695
898	4.544	34.994	5.73				4.472	27.731	41.179	889
1098	4.190	34.979	5.90				4.104	27.759	41.235	1087
1297	4.011	34.976	6.01				3.909	27.777	41.268	1284
1503	3.881	34.977	6.04				3.761	27.793	41.295	1487
1695	3.769	34.979	6.04				3.634	27.807	41.319	1676
1895	3.615	34.977	6.05				3.463	27.823	41.348	1872
2196	3.355	34.967	6.06	15.8	1.16	17.8	3.179	27.842	41.390	2168
2507	3.038	34.956	6.14	17.4	1.18	18.2	2.837	27.865	41.440	2474
2793	2.746	34.941	6.23	19.2	1.18	18.0	2.522	27.881	41.481	2754
3093	2.461	34.922	6.20	21.1	1.15	17.6	2.212	27.892	41.517	3048
3494	2.243	34.907	6.14	25.8	1.21	18.2	1.958	27.901	41.547	3440
3794	2.167	34.895	6.01	33.0	1.25	18.5	1.851	27.899	41.555	3733
3884	2.174	34.896	6.14	33.5	1.27	18.6	1.848	27.900	41.556	3821

ENDEAVOR 86 STA- 53
DATE 28/ 6/82

LAT= 36 33.0N LON= 72 22.3W

SONIC DEPTH= 3635m

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
13	19.443	34.344	5.56	19.440	24.408	30.800	36.983	0.046	9.43	13
25	18.286	34.580	5.79	18.282	24.882	31.299	37.506	0.085	13.42	25
50	9.742	33.918	5.81	9.736	26.152	32.817	39.261	0.145	9.59	50
75	11.193	34.722	5.13	11.184	26.526	33.137	39.529	0.187	5.81	74
100	12.440	35.299	4.74	12.426	26.739	33.307	39.658	0.222	3.74	99
150	12.538	35.562	4.00	12.518	26.925	33.487	39.833	0.284	4.26	149
200	9.713	35.262	3.22	9.690	27.209	33.862	40.293	0.335	3.47	198
250	8.063	35.116	3.55	8.037	27.360	34.069	40.554	0.376	3.27	248
300	6.893	35.066	4.08	6.865	27.490	34.240	40.764	0.411	2.44	298
350	6.215	35.039	4.50	6.184	27.560	34.334	40.883	0.441	2.15	347
400	5.747	35.024	4.79	5.712	27.608	34.400	40.965	0.468	1.78	397
450	5.357	35.012	5.08	5.319	27.647	34.454	41.032	0.494	1.45	446
500	5.331	35.042	5.17	5.290	27.674	34.481	41.061	0.518	1.25	496
600	4.778	35.000	5.55	4.730	27.707	34.535	41.135	0.564	0.95	595
700	4.531	34.991	5.74	4.476	27.728	34.566	41.175	0.609	0.86	694
800	4.395	34.990	5.84	4.332	27.743	34.587	41.201	0.652	0.66	793
900	4.284	34.990	5.91	4.214	27.756	34.604	41.224	0.696	0.69	891
1000	4.155	34.985	5.98	4.078	27.766	34.620	41.244	0.738	0.62	990
1200	3.966	34.977	6.06	3.873	27.782	34.643	41.275	0.824	0.55	1188
1400	3.880	34.986	6.04	3.770	27.799	34.665	41.300	0.910	0.59	1385
1600	3.673	34.978	6.07	3.548	27.815	34.690	41.334	0.996	0.59	1582
1800	3.511	34.971	6.08	3.369	27.827	34.709	41.360	1.081	0.60	1779
2000	3.334	34.967	6.08	3.176	27.842	34.732	41.390	1.166	0.62	1976
2200	3.128	34.958	6.11	2.955	27.856	34.755	41.421	1.249	0.67	2172
2400	2.905	34.947	6.14	2.717	27.869	34.777	41.453	1.331	0.63	2369
2600	2.699	34.937	6.16	2.495	27.880	34.797	41.482	1.411	0.68	2565
2800	2.483	34.925	6.22	2.263	27.890	34.817	41.511	1.488	0.60	2761
3000	2.343	34.916	6.21	2.106	27.896	34.829	41.530	1.564	0.48	2957
3500	2.167	34.899	6.10	1.883	27.900	34.843	41.552	1.754	0.28	3446
3661	2.154	34.896	6.06	1.853	27.900	34.844	41.555	1.817	0.19	3603

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
8	18.878	34.213	5.57				18.877	24.452	37.055	8
102	12.646	35.302	5.04				12.632	26.701	39.607	102
201	9.582	35.255	3.23				9.560	27.226	40.318	199
397	5.743	35.027	4.81				5.709	27.611	40.968	394
599	4.828	35.008	5.52				4.780	27.707	41.132	594
798	4.437	35.000	5.78				4.375	27.746	41.201	790
997	4.146	34.983	5.95				4.069	27.766	41.244	988
1197	3.938	34.977	6.09				3.846	27.784	41.280	1185
1397	3.828	34.978	6.04				3.718	27.798	41.303	1382
1596	3.678	34.973	6.12				3.552	27.811	41.329	1578
1795	3.512	34.969	6.08				3.371	27.825	41.358	1774
1993	3.362	34.970	6.09	17.1	1.20	18.6	3.204	27.842	41.387	1969
2199	3.135	34.963	6.12	18.3	1.18	18.3	2.962	27.859	41.424	2198
2397	2.935	34.948	6.15	19.7	1.18	18.2	2.746	27.867	41.449	2396
2595	2.708	34.943	6.17	20.5	1.20	18.5	2.505	27.884	41.485	2560
2791	2.502	34.920	6.30	21.7	1.19	18.1	2.283	27.884	41.504	2752
2991	2.353	34.913	6.22	23.4	1.16	18.0	2.118	27.893	41.526	2948
3292	2.203	34.904	6.15	29.3	1.23	18.5	1.939	27.900	41.547	3242
3566	2.162	34.899	6.11	33.5	1.28	19.1	1.871	27.901	41.555	3510
3665	2.155	34.896	6.07	35.2	1.27	19.0	1.853	27.900	41.555	3607

ENDEAVOR 86 STA- 54
DATE 28/ 6/82

LAT= 36 51.6N LON= 72 27.5W

SONIC DEPTH= 3265m

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	22.427	34.208	4.83	22.427	23.497	29.823	35.943	0.004	13.87	1
25	19.551	35.160	5.68	19.547	25.004	31.385	37.558	0.089	14.84	25
50	15.066	35.551	4.44	15.059	26.385	32.875	39.153	0.143	8.57	50
75	13.429	35.542	4.59	13.418	26.728	33.264	39.585	0.179	4.83	74
100	12.983	35.591	4.33	12.969	26.858	33.406	39.739	0.210	3.57	99
150	11.811	35.531	3.40	11.792	27.042	33.626	39.992	0.267	3.24	149
200	10.094	35.312	3.26	10.070	27.184	33.823	40.243	0.316	3.16	198
250	8.529	35.154	3.42	8.503	27.318	34.010	40.480	0.358	2.69	248
300	7.442	35.091	3.85	7.413	27.432	34.162	40.668	0.396	2.70	298
350	6.621	35.061	4.30	6.588	27.523	34.283	40.817	0.428	2.35	347
400	5.876	35.038	4.75	5.841	27.603	34.390	40.950	0.457	2.20	397
450	5.452	35.034	5.06	5.415	27.653	34.455	41.031	0.483	1.59	446
500	5.218	35.039	5.25	5.177	27.686	34.497	41.081	0.506	1.23	496
600	4.781	35.019	5.56	4.733	27.721	34.549	41.149	0.552	1.03	595
700	4.606	35.016	5.68	4.551	27.740	34.575	41.181	0.595	0.77	694
800	4.381	35.000	5.83	4.319	27.752	34.596	41.211	0.638	0.65	793
900	4.192	34.984	5.94	4.123	27.760	34.612	41.235	0.680	0.68	891
1000	4.097	34.981	6.00	4.020	27.769	34.625	41.251	0.723	0.58	990
1200	3.935	34.977	6.05	3.842	27.784	34.647	41.280	0.808	0.57	1188
1400	3.790	34.977	6.08	3.681	27.801	34.671	41.310	0.893	0.60	1385
1600	3.624	34.975	6.08	3.499	27.818	34.694	41.340	0.977	0.62	1582
1800	3.463	34.973	6.08	3.322	27.833	34.716	41.369	1.062	0.61	1779
2000	3.290	34.966	6.10	3.133	27.845	34.737	41.396	1.145	0.59	1976
2200	3.111	34.958	6.11	2.938	27.858	34.757	41.424	1.227	0.58	2172
2400	2.953	34.950	6.14	2.764	27.867	34.773	41.447	1.309	0.60	2369
2600	2.747	34.939	6.17	2.542	27.878	34.793	41.476	1.390	0.65	2565
2800	2.528	34.927	6.22	2.307	27.888	34.813	41.506	1.469	0.73	2761
3000	2.314	34.914	6.20	2.078	27.897	34.831	41.533	1.544	0.52	2957
3305	2.193	34.904	6.12	1.929	27.900	34.841	41.549	1.659	0.29	3255
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	20.872	34.553	5.40				20.870	24.190	36.697	10
202	10.113	35.328	3.28				10.089	27.193	40.251	201
404	5.753	35.035	4.77				5.718	27.616	40.972	401
601	4.790	35.026	5.52				4.742	27.726	41.153	595
801	4.334	34.999	5.83				4.272	27.757	41.219	793
997	4.076	34.978	5.97				4.000	27.769	41.253	987
1196	3.911	34.976	6.02				3.819	27.786	41.284	1184
1396	3.771	34.975	6.08				3.663	27.801	41.311	1381
1596	3.615	34.975	6.05				3.490	27.818	41.341	1578
1793	3.462	34.971	6.09				3.322	27.832	41.368	1772
1996	3.280	34.964	6.08	14.4	1.18	16.4	3.123	27.845	41.397	1971
2143	3.144	34.958	6.10	17.1	1.19	16.8	2.975	27.854	41.418	2116
2293	3.028	34.950	6.11	16.3	1.14	17.0	2.848	27.859	41.433	2263
2442	2.876	34.946	6.16	18.1	1.16	17.5	2.684	27.871	41.458	2410
2593	2.738	34.943	6.17	15.7	1.08		2.534	27.882	41.481	2558
2744	2.581	34.929	6.28	19.4	1.17	17.6	2.365	27.885	41.498	2706
2894	2.385	34.918	6.22	20.7	1.15	17.3	2.158	27.893	41.523	2853
2992	2.315	34.914	6.19	21.6	1.13	16.9	2.080	27.896	41.533	2949
3189	2.203	34.905	6.18	21.8	1.07		1.950	27.900	41.547	3141
3308	2.193	34.901	6.14	24.5	1.13	16.3	1.929	27.898	41.547	3258

ENDEAVOR 86 STA- 55
DATE 29/ 6/82

LAT= 37 12.5N LON= 72 32.1W

SONIC DEPT= 3061m

PR	T	S	O2	θ	SIG-0	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	21.772	34.574	5.06	21.772	23.959	30.296	36.426	0.012	7.93	3
25	17.985	34.692	5.04	17.981	25.042	31.465	37.679	0.093	17.55	25
50	14.657	35.642	4.09	14.650	26.545	33.046	39.333	0.141	8.01	50
75	13.043	35.513	4.70	13.033	26.785	33.332	39.664	0.175	3.61	74
100	12.785	35.541	4.86	12.771	26.859	33.414	39.752	0.206	3.18	99
150	12.383	35.614	3.73	12.363	26.996	33.562	39.911	0.263	2.62	149
200	10.487	35.354	3.25	10.463	27.148	33.774	40.182	0.315	3.40	199
250	8.823	35.173	3.28	8.796	27.286	33.969	40.429	0.359	2.81	248
300	7.729	35.105	3.69	7.699	27.402	34.122	40.618	0.398	2.85	298
350	6.600	35.056	4.28	6.568	27.523	34.283	40.818	0.431	2.24	347
400	6.092	35.047	4.60	6.056	27.583	34.362	40.914	0.460	2.06	397
450	5.528	35.025	4.94	5.490	27.636	34.436	41.009	0.487	1.84	446
500	5.181	35.023	5.22	5.140	27.678	34.490	41.075	0.511	1.45	496
600	4.779	35.011	5.53	4.731	27.715	34.544	41.144	0.556	0.98	595
700	4.565	35.008	5.71	4.510	27.737	34.574	41.182	0.600	0.79	694
800	4.338	34.994	5.86	4.276	27.752	34.598	41.215	0.643	0.74	793
900	4.192	34.984	5.94	4.122	27.761	34.613	41.235	0.685	0.56	891
1000	4.096	34.981	5.99	4.019	27.769	34.626	41.252	0.728	0.61	990
1200	3.940	34.979	6.04	3.847	27.786	34.648	41.281	0.813	0.58	1188
1400	3.791	34.977	6.08	3.682	27.801	34.670	41.309	0.898	0.57	1385
1600	3.633	34.976	6.07	3.508	27.818	34.694	41.339	0.983	0.63	1582
1800	3.481	34.973	6.08	3.340	27.831	34.714	41.366	1.067	0.57	1779
2000	3.326	34.968	6.08	3.169	27.844	34.733	41.392	1.151	0.59	1976
2200	3.125	34.959	6.11	2.952	27.857	34.755	41.422	1.234	0.61	2172
2400	2.947	34.950	6.12	2.758	27.867	34.774	41.448	1.316	0.58	2369
2600	2.728	34.938	6.18	2.523	27.879	34.795	41.479	1.396	0.67	2565
2800	2.526	34.927	6.21	2.305	27.888	34.814	41.506	1.475	0.64	2761
3000	2.284	34.912	6.19	2.049	27.897	34.833	41.536	1.551	0.68	2957
3087	2.250	34.909	6.03	2.006	27.899	34.836	41.541	1.583	0.17	3042

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-0	SIG-3	DE	
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m	
10	21.564	34.561	5.27					21.562	24.007	36.483	10
109	12.815	35.566	4.36					12.800	26.872	39.764	109
228	9.585	35.260	3.25					9.560	27.230	40.322	226
302	7.758	35.106	3.69					7.728	27.398	40.613	299
403	6.010	35.041	4.61					5.975	27.589	40.926	400
503	5.178	35.022	5.21					5.137	27.677	41.075	498
605	4.792	35.017	5.51					4.744	27.718	41.146	600
798	4.399	34.998	5.84					4.337	27.749	41.207	791
1003	4.112	34.986	5.96					4.035	27.772	41.253	993
1196	3.922	34.971	6.06					3.830	27.781	41.278	1184
1394	3.809	34.987	6.06					3.701	27.807	41.313	1379
1599	3.651	34.976	6.31					3.525	27.816	41.336	1581
1797	3.475	34.977	6.09					3.334	27.835	41.370	1776
1994	3.331	34.963	6.09	15.8	1.05	17.7		3.174	27.839	41.387	1970
2192	3.121	34.957	6.12	17.0	1.15	18.3		2.949	27.856	41.421	2164
2394	2.926	34.946	6.18	18.0	1.16	18.2		2.737	27.866	41.449	2362
2591	2.719	34.944	6.18	18.7	1.13	17.5		2.516	27.884	41.484	2556
2792	2.523	34.934	6.22	19.8	1.13	17.5		2.304	27.894	41.512	2753
2994	2.284	34.912	6.20	23.5	1.15	17.4		2.050	27.897	41.536	2951
3091	2.250		6.00	22.5	1.22	17.6					3045

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DATE 29/ 6/82

LAT= 37 31.5N LON= 72 37.2W

SONIC DEPTH= 2941m

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	21.561	35.560	5.12	21.561	24.767	31.100	37.226	0.010	7.61	3
25	19.729	35.629	5.35	19.724	25.315	31.688	37.854	0.075	10.67	25
50	15.884	35.696	4.61	15.876	26.312	32.780	39.035	0.129	9.69	50
75	13.941	35.599	4.49	13.930	26.666	33.187	39.493	0.167	5.26	74
100	12.978	35.522	4.61	12.964	26.805	33.355	39.688	0.200	3.56	99
150	12.512	35.614	3.81	12.492	26.971	33.533	39.879	0.259	3.12	149
200	10.899	35.403	3.16	10.874	27.113	33.726	40.120	0.312	3.06	198
250	9.056	35.196	3.31	9.029	27.267	33.942	40.394	0.358	2.81	248
300	8.364	35.144	3.48	8.332	27.337	34.035	40.510	0.399	2.38	298
350	7.072	35.081	4.07	7.039	27.478	34.221	40.739	0.435	3.12	347
400	6.380	35.078	4.46	6.344	27.570	34.338	40.880	0.466	2.18	397
450	6.010	35.076	4.72	5.970	27.617	34.399	40.954	0.493	1.56	446
500	5.580	35.057	5.00	5.537	27.656	34.454	41.024	0.519	1.35	496
600	5.033	35.033	5.37	4.984	27.704	34.522	41.113	0.567	1.26	595
700	4.626	35.008	5.65	4.571	27.731	34.565	41.171	0.611	0.85	694
800	4.459	35.004	5.77	4.397	27.747	34.588	41.200	0.655	0.71	793
900	4.218	34.982	5.91	4.149	27.756	34.607	41.229	0.698	0.65	891
1000	4.112	34.977	5.98	4.035	27.765	34.620	41.246	0.741	0.60	990
1200	3.954	34.974	5.04	3.861	27.780	34.643	41.275	0.826	0.58	1188
1400	3.841	34.977	6.06	3.731	27.796	34.663	41.300	0.913	0.59	1385
1600	3.709	34.978	5.06	3.583	27.812	34.685	41.328	0.999	0.57	1582
1800	3.559	34.976	5.05	3.417	27.826	34.706	41.355	1.085	0.60	1779
2000	3.356	34.967	5.08	3.198	27.840	34.729	41.386	1.170	0.64	1976
2200	3.174	34.960	5.09	3.000	27.854	34.750	41.415	1.254	0.65	2172
2400	2.975	34.950	6.13	2.785	27.865	34.771	41.444	1.337	0.62	2369
2600	2.775	34.940	6.17	2.570	27.876	34.790	41.472	1.419	0.76	2565
2800	2.440	34.922	6.21	2.222	27.891	34.820	41.516	1.497	0.78	2761
2957	2.269	34.911	6.12	2.039	27.898	34.834	41.537	1.555	0.60	2915

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
7	21.281	35.547	5.17				21.280	24.835	37.306	7
102	12.902	35.451	4.87				12.888	26.766	39.654	101
197	11.161	35.463	3.27				11.137	27.112	40.102	195
301	8.385	35.149	3.47				8.353	27.337	40.509	299
398	6.412	35.080	4.47				6.376	27.567	40.875	395
498	5.554	35.059	4.97				5.512	27.661	41.031	493
569	5.158	35.044	5.27				5.111	27.697	41.097	564
697	4.611	35.005	5.67				4.556	27.730	41.171	690
799	4.407	35.000	5.77				4.345	27.749	41.207	791
997	4.090	34.974	5.97				4.013	27.764	41.247	987
1197	3.946	34.973	6.07				3.854	27.780	41.275	1185
1396	3.825	34.976	6.07				3.716	27.797	41.302	1381
1595	3.701	34.973	6.07				3.576	27.808	41.325	1577
1794	3.557	34.980	5.07				3.416	27.830	41.358	1772
1995	3.360	34.968	6.17	15.3	1.11	18.5	3.203	27.841	41.386	1970
2195	3.177	34.964	5.07	16.7	1.16	18.5	3.003	27.856	41.417	2167
2393	2.985	34.949	5.17	18.0	1.16	18.1	2.795	27.863	41.441	2362
2593	2.783	34.940	5.17	19.2	1.17	18.1	2.578	27.875	41.471	2558
2861	2.348	34.915	5.17	17.5	1.06		2.125	27.894	41.526	2820
2961	2.270			24.1	1.15	17.6				2919

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DATE 29/ 6/82

LAT= 37 51.1N LON= 72 41.9W

SONIC DEPTH= 2789m

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	21.609	35.622	5.28	21.609	24.801	31.132	37.257	0.003	6.58	1
25	20.980	35.758	5.32	20.975	25.079	31.422	37.559	0.075	8.31	25
50	15.448	35.667	4.82	15.440	26.389	32.868	39.135	0.132	9.80	50
75	13.728	35.603	4.52	13.717	26.713	33.240	39.553	0.169	5.27	74
100	13.014	35.557	4.62	13.000	26.825	33.373	39.706	0.201	2.46	99
150	12.616	35.608	3.85	12.595	26.946	33.505	39.848	0.261	3.22	149
200	10.829	35.393	3.29	10.804	27.118	33.734	40.130	0.315	3.10	198
250	9.500	35.245	3.22	9.472	27.233	33.893	40.331	0.361	2.25	248
300	8.562	35.155	3.43	8.530	27.322	34.013	40.482	0.404	2.60	298
350	7.596	35.135	3.81	7.562	27.422	34.146	40.647	0.442	2.94	347
400	6.610	35.068	4.30	6.573	27.532	34.291	40.826	0.475	2.52	397
450	5.658	35.018	4.86	5.619	27.615	34.411	40.979	0.503	2.10	446
500	5.467	35.035	5.00	5.425	27.652	34.454	41.029	0.529	1.57	496
600	4.802	34.992	5.47	4.754	27.697	34.525	41.124	0.576	1.08	595
700	4.588	34.991	5.66	4.533	27.721	34.558	41.165	0.621	0.85	694
800	4.400	34.984	5.79	4.338	27.737	34.581	41.196	0.665	0.72	792
900	4.296	34.984	5.87	4.226	27.749	34.597	41.216	0.709	0.65	891
1000	4.168	34.979	5.95	4.090	27.760	34.614	41.238	0.753	0.62	990
1200	3.987	34.973	6.04	3.894	27.776	34.637	41.268	0.840	0.57	1188
1400	3.867	34.977	6.07	3.757	27.793	34.660	41.296	0.927	0.58	1385
1600	3.714	34.976	6.07	3.588	27.809	34.682	41.325	1.014	0.59	1582
1800	3.575	34.974	6.07	3.432	27.823	34.703	41.351	1.100	0.58	1779
2000	3.408	34.969	6.07	3.249	27.837	34.724	41.379	1.186	0.61	1976
2200	3.220	34.960	6.08	3.046	27.849	34.744	41.407	1.272	0.59	2172
2400	3.009	34.950	6.12	2.819	27.862	34.766	41.438	1.356	0.67	2369
2600	2.773	34.938	6.17	2.567	27.875	34.789	41.471	1.438	0.78	2565
2800	2.354	34.915	6.17	2.137	27.893	34.825	41.524	1.516	0.94	2761
2811	2.345	34.915	6.17	2.127	27.893	34.826	41.525	1.520	0.23	2771

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
9	21.486	35.567	5.15				21.484	24.794	37.256	9
102	13.059	35.548	4.67				13.045	26.809	39.687	101
203	10.951	35.408	3.35				10.926	27.107	40.112	201
300	8.497	35.156	3.43				8.465	27.325	40.490	297
409	6.412	35.047	4.40				6.375	27.541	40.850	405
503	5.462	35.034	5.01				5.419	27.652	41.030	498
599	4.832	34.995	5.46				4.785	27.696	41.121	594
697	4.590	34.991	5.65				4.536	27.721	41.165	691
800	4.421	34.985	5.77				4.358	27.736	41.193	793
998	4.173	34.979	5.94				4.095	27.760	41.236	988
1199	3.984	34.976	6.01				3.891	27.779	41.271	1186
1399	3.864	34.978	6.32				3.754	27.794	41.297	1384
1596	3.713	34.978	6.05				3.587	27.811	41.327	1578
1795	3.581	34.977	6.05				3.439	27.825	41.352	1774
1993	3.418	34.973	6.14				3.260	27.839	41.380	1968
2094	3.319	34.967	6.14				3.153	27.845	41.394	2067
2294	3.138	34.955	6.11				2.956	27.853	41.419	2264
2493	2.917	34.944	6.12				2.719	27.866	41.450	2459
2693	2.624	34.930	6.20				2.412	27.882	41.491	2656
2814	2.345	34.914	6.18				2.127	27.893	41.525	2775

ENDEAVOR 86 STA- 58
DATE 29/ 6/82

LAT= 38 10.5N LON= 72 47.0W

SONIC DEPTH= 2769m

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	20.289	35.565	5.19	20.288	25.117	31.478	37.632	0.009	3.39	3
25	19.200	35.643	5.38	19.196	25.464	31.849	38.026	0.068	8.26	25
50	14.496	35.566	4.56	14.489	26.521	33.027	39.319	0.120	10.69	50
75	13.093	35.514	4.76	13.083	26.775	33.322	39.652	0.155	4.15	74
100	13.040	35.593	4.39	13.026	26.848	33.394	39.726	0.186	2.76	99
150	12.140	35.564	3.45	12.120	27.004	33.578	39.935	0.244	3.33	149
200	10.697	35.381	3.21	10.673	27.132	33.751	40.152	0.295	2.87	198
250	9.359	35.228	3.23	9.331	27.243	33.908	40.351	0.341	2.50	248
300	8.226	35.132	3.49	8.195	27.348	34.051	40.531	0.383	2.77	298
350	7.105	35.067	4.01	7.072	27.462	34.204	40.722	0.419	2.55	347
400	6.498	35.054	4.33	6.461	27.535	34.300	40.838	0.451	2.11	397
450	5.852	35.033	4.72	5.813	27.603	34.390	40.952	0.479	1.95	446
500	5.449	35.023	5.00	5.407	27.645	34.448	41.023	0.506	1.52	496
600	4.980	35.007	5.36	4.932	27.689	34.510	41.103	0.554	1.07	595
700	4.725	35.005	5.57	4.669	27.717	34.548	41.150	0.600	0.94	694
800	4.487	34.994	5.75	4.424	27.736	34.577	41.188	0.645	0.75	792
900	4.372	34.994	5.84	4.301	27.750	34.595	41.210	0.689	0.68	891
1000	4.223	34.987	5.92	4.145	27.761	34.612	41.234	0.732	0.62	990
1200	4.012	34.976	6.03	3.919	27.776	34.636	41.266	0.819	0.57	1188
1400	3.877	34.975	6.05	3.767	27.791	34.657	41.292	0.907	0.57	1385
1600	3.758	34.977	6.06	3.631	27.806	34.677	41.318	0.994	0.57	1582
1800	3.604	34.974	6.06	3.461	27.821	34.699	41.346	1.082	0.62	1779
2000	3.430	34.969	6.06	3.271	27.835	34.720	41.375	1.169	0.62	1976
2200	3.259	34.963	6.08	3.084	27.848	34.741	41.403	1.255	0.56	2172
2400	3.058	34.954	6.10	2.867	27.861	34.763	41.433	1.340	0.71	2368
2600	2.824	34.942	6.15	2.618	27.874	34.786	41.466	1.423	0.77	2565
2800	2.390	34.918	6.13	2.172	27.892	34.823	41.521	1.501	0.99	2761

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	20.192	35.577	5.25				20.190	25.153	37.671	10
105	12.991	35.594	4.47				12.976	26.859	39.740	104
253	9.375	35.226	3.25				9.347	27.239	40.345	250
304	8.249	35.132	3.48				8.217	27.345	40.526	302
400	6.464	35.056	4.39				6.427	27.541	40.846	397
500	5.477	35.019	5.00				5.434	27.639	41.015	495
599	4.972	35.010	5.33				4.924	27.692	41.106	594
701	4.717	35.006	5.60				4.661	27.719	41.153	694
799	4.507	34.995	5.73				4.444	27.735	41.185	791
997	4.233	34.985	5.93				4.155	27.758	41.230	987
1181	4.056	34.978	5.97				3.964	27.773	41.259	1168
1393	3.882	34.971	6.04				3.773	27.787	41.288	1378
1594	3.776	34.975	6.04				3.650	27.802	41.313	1576
1794	3.610	34.973	6.06				3.468	27.819	41.344	1773
1980	3.453	34.969	6.10	15.0	1.16	17.7	3.295	27.833	41.371	1956
2196	3.256	34.952	6.16	16.4	1.15	17.6	3.081	27.847	41.403	2168
2395	3.061	34.953	6.09	17.4	1.13	17.0	2.870	27.860	41.432	2364
2596	2.812	34.941	6.14	18.2	1.11	16.8	2.606	27.874	41.467	2561
2708	2.621	34.929	6.20	19.5	1.11	16.5	2.408	27.881	41.490	2670
2806	2.391	34.920	6.13	22.7	1.16	16.5	2.172	27.894	41.522	2766

ENDEAVOR 86 STA- 60
DATE 29/ 6/82

LAT= 38 29.7N LON= 72 52.6W

SONIC DEPTH= 2350m

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	19.684	34.631	5.40	19.684	24.565	30.948	37.123	0.010	14.97	3
25	18.541	35.632	5.55	18.537	25.623	32.024	38.216	0.071	6.72	25
50	14.988	35.483	5.26	14.981	26.350	32.843	39.123	0.124	9.92	50
75	13.986	35.637	4.52	13.975	26.685	33.205	39.510	0.161	4.30	74
100	13.264	35.563	4.61	13.250	26.779	33.320	39.645	0.194	3.13	99
150	12.862	35.634	4.10	12.842	26.917	33.469	39.805	0.256	2.90	149
200	11.690	35.506	3.53	11.664	27.047	33.635	40.005	0.311	3.19	198
250	9.779	35.269	3.21	9.750	27.205	33.855	40.285	0.361	2.86	248
300	8.712	35.167	3.37	8.680	27.300	33.986	40.450	0.404	2.64	298
350	7.658	35.100	3.75	7.623	27.409	34.132	40.631	0.443	2.53	347
400	6.940	35.071	4.12	6.902	27.488	34.237	40.760	0.477	2.31	397
450	6.256	35.035	4.51	6.216	27.553	34.326	40.873	0.508	2.01	446
500	5.653	35.012	4.87	5.611	27.612	34.407	40.976	0.537	1.73	496
600	5.103	34.998	5.26	5.054	27.668	34.484	41.073	0.588	1.18	595
700	4.787	34.991	5.53	4.730	27.699	34.528	41.128	0.636	0.95	694
800	4.534	34.982	5.72	4.470	27.721	34.550	41.169	0.682	0.81	792
900	4.434	34.985	5.79	4.362	27.736	34.579	41.192	0.728	0.77	891
1000	4.274	34.976	5.90	4.195	27.746	34.596	41.216	0.773	0.57	990
1200	4.117	34.976	6.00	4.022	27.765	34.621	41.247	0.863	0.59	1188
1400	3.975	34.974	6.04	3.864	27.780	34.642	41.274	0.953	0.58	1385
1600	3.843	34.973	6.08	3.716	27.794	34.662	41.300	1.044	0.59	1582
1800	3.721	34.973	6.08	3.577	27.808	34.681	41.324	1.134	0.52	1779
2000	3.610	34.972	6.09	3.448	27.820	34.699	41.347	1.225	0.53	1976
2200	3.399	34.965	6.09	3.221	27.837	34.724	41.381	1.316	1.06	2172
2367	2.942	34.949	6.09	2.756	27.867	34.773	41.448	1.385	0.67	2336

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	19.502	34.652	5.44				19.500	24.628	37.194	10
103	13.361	35.655	4.45				13.346	26.831	39.690	102
203	10.891	35.404	3.34				10.866	27.115	40.123	202
297	8.835	35.177	3.32				8.803	27.289	40.431	294
401	6.759	35.066	4.17				6.722	27.509	40.794	398
499	5.663	35.014	4.85				5.621	27.612	40.975	494
597	5.109	35.000	5.23				5.060	27.668	41.073	592
699	4.769	34.987	5.54				4.713	27.698	41.128	692
798	4.552	34.980	5.65				4.488	27.718	41.165	790
896	4.421	34.981	5.77				4.350	27.734	41.191	887
1000	4.295	34.980	5.85				4.216	27.747	41.215	990
1095	4.209	34.977	5.92				4.123	27.755	41.230	1084
1196	4.135	34.976	5.96	11.6	1.15	18.5	4.040	27.763	41.244	1183
1393	4.006	34.975	6.02	11.9	1.15	18.2	3.896	27.777	41.269	1378
1591	3.846	34.973	6.05	12.6	1.16	18.6	3.720	27.794	41.299	1573
1797	3.728	34.972	6.13	13.2	1.13	18.4	3.584	27.807	41.323	1776
1994	3.610	34.971	6.06	14.1	1.13	18.2	3.449	27.819	41.346	1969
2093	3.561	34.970	6.06	14.4	1.14	18.3	3.391	27.824	41.355	2067
2195	3.388	34.964	6.06	15.5	1.14	17.9	3.211	27.837	41.382	2167
2370	2.939	34.946	6.11	17.8	1.12	17.8	2.752	27.865	41.446	2330

ENDEAVOR 86 STA- 61 LAT= 38 49.1N LON= 72 57.2W SONIC DEPTH= 277m
DATE 29/ 6/82

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	cmh	m
3	17.047	32.505	5.52	17.046	23.590	30.058	36.314	0.013	21.94	3
25	12.744	34.448	5.85	12.741	26.017	32.584	38.934	0.080	11.73	25
50	12.257	34.852	5.42	12.261	26.425	33.002	39.361	0.123	5.83	50
75	12.258	35.044	5.37	12.248	26.576	33.151	39.510	0.161	4.72	74
100	12.272	35.274	4.97	12.259	26.753	33.325	39.681	0.196	2.82	99
150	12.255	35.452	4.55	12.235	26.904	33.475	39.829	0.259	4.16	149
200	10.710	35.373	3.41	10.685	27.124	33.743	40.143	0.311	2.85	198
250	8.796	35.187	3.42	8.769	27.302	33.985	40.446	0.357	3.58	248
257	8.703	35.179	3.42	8.676	27.311	33.997	40.461	0.362	1.36	255

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
11	14.811	32.753	6.02					14.810	24.290	10
101	12.248	35.254	5.18					12.235	26.742	100
201	10.652	35.371	3.38					10.658	27.127	199
260	8.650		3.43							258

**CTD-02 — Hydrographic Data
from
R/V Endeavor Cruise #88**

ENDEAVOR 88 STA- 2 LAT= 38 9.2N LON= 72 46.0W SONIC DEPTH= 2775m
DATE 6/ 8/82

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	24.793	34.529	4.90	24.792	23.050	29.324	35.395	0.014	12.14	3
25	19.258	34.991	6.28	19.254	24.951	31.340	37.522	0.105	18.35	25
50	14.493	35.347	4.77	14.485	26.353	32.861	39.155	0.160	9.74	50
75	13.566	35.497	4.37	13.556	26.665	33.198	39.516	0.198	4.70	74
100	13.269	35.566	4.65	13.255	26.780	33.321	39.646	0.231	2.91	99
150	13.079	35.665	4.32	13.058	26.897	33.443	39.772	0.293	2.89	149
200	11.710	35.497	3.56	11.684	27.036	33.624	39.994	0.349	3.24	198
250	9.962	35.288	3.34	9.932	27.189	33.833	40.257	0.399	2.76	248
300	8.738	35.167	3.42	8.705	27.297	33.982	40.445	0.443	2.54	298
350	7.820	35.110	3.73	7.784	27.393	34.110	40.603	0.482	2.48	347
400	6.982	35.077	4.18	6.944	27.487	34.234	40.756	0.517	2.49	397
450	6.145	35.038	4.64	6.104	27.570	34.347	40.898	0.548	2.17	446
500	5.601	35.015	4.95	5.558	27.621	34.418	40.988	0.575	1.56	496
600	5.115	35.013	5.33	5.066	27.678	34.494	41.082	0.626	1.23	595
700	4.714	34.992	5.63	4.658	27.708	34.540	41.142	0.673	0.91	694
800	4.539	34.988	5.76	4.476	27.725	34.564	41.173	0.719	0.78	792
900	4.378	34.987	5.87	4.308	27.743	34.588	41.203	0.764	0.75	891
1000	4.253	34.984	5.99	4.175	27.755	34.605	41.225	0.808	0.65	990
1200	4.019	34.971	6.09	3.926	27.771	34.631	41.261	0.896	0.57	1188
1400	3.879	34.969	6.11	3.769	27.786	34.652	41.287	0.985	0.55	1385
1600	3.797	34.977	6.04	3.670	27.802	34.671	41.311	1.073	0.57	1582
1800	3.650	34.976	6.13	3.517	27.817	34.693	41.338	1.162	0.57	1779
2000	3.495	34.972	6.06	3.335	27.831	34.714	41.367	1.250	0.63	1976
2200	3.327	34.966	6.13	3.150	27.844	34.734	41.393	1.337	0.59	2172
2400	3.152	34.954	6.15	2.910	27.857	34.757	41.426	1.424	0.65	2368
2600	2.956	34.945	6.22	2.698	27.869	34.778	41.455	1.508	0.73	2565
2791	2.615	34.930	6.14	2.394	27.883	34.805	41.494	1.586	0.81	2752

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	23.934	34.943	4.77				23.932	23.620	35.992	10
103	13.272	35.586	4.93				13.258	26.795	39.661	102
200	11.004	35.416	3.57				10.979	27.104	40.105	198
303	8.361	35.131	3.58				8.329	27.327	40.501	301
498	5.527	35.023	5.13				5.485	27.636	41.008	494
600	5.046	35.016	5.36				4.997	27.689	41.097	595
701	4.650	34.996	5.81				4.594	27.719	41.157	694
801	4.431	34.982	6.03				4.368	27.733	41.189	794
898	4.294	34.978	6.08				4.224	27.745	41.212	889
997	4.134	34.973	6.21				4.106	27.754	41.230	988
1094	4.089	34.971	6.25				4.004	27.763	41.247	1083
1197	4.000	34.969	6.30				3.906	27.771	41.263	1185
1397	3.890	34.973	6.37				3.780	27.788	41.288	1382
1592	3.777	34.970	6.36				3.651	27.798	41.309	1574
1803	3.654	34.977	6.28				3.510	27.818	41.339	1782
1996	3.525	34.973	6.42				3.365	27.829	41.362	1972
2097	3.414	34.966	6.47				3.246	27.835	41.377	2070
2294	3.228	34.956	6.57				3.044	27.846	41.404	2264
2507	2.993	34.945	6.54				2.793	27.860	41.439	2473
2792	2.616	34.926	6.11				2.395	27.880	41.490	2752

ENDEAVOR 88 STA- 3 LAT= 36 37.9N LON= 73 45.3W SONIC DEPTH= 2755m
DATE 8/ 3/82

PR	T	S	02	θ	SIG-8	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
1	27.790	35.668	4.84	27.789	22.968	29.177	35.185	0.005	14.35	1
25	20.929	36.041	4.80	20.924	25.309	31.651	37.787	0.103	19.90	25
50	15.781	36.233	4.86	15.773	26.749	33.214	39.467	0.146	6.14	50
75	15.747	36.277	4.98	15.735	26.792	33.258	39.511	0.177	0.53	74
100	15.735	36.273	4.99	15.719	26.793	33.259	39.513	0.209	0.38	99
150	15.711	36.264	5.05	15.687	26.793	33.260	39.515	0.274	0.07	149
200	15.677	36.253	5.19	15.645	26.795	33.263	39.518	0.339	0.24	198
250	15.683	36.253	5.25	15.643	26.795	33.263	39.519	0.405	0.14	248
300	14.836	36.055	4.96	14.790	26.833	33.326	39.605	0.471	3.19	298
350	11.738	35.510	3.38	11.692	27.045	33.632	40.002	0.532	3.58	347
400	9.721	35.263	3.32	9.675	27.213	33.866	40.298	0.583	3.41	397
450	8.162	35.131	3.64	8.115	27.360	34.065	40.548	0.626	3.06	446
500	6.877	35.066	4.17	6.829	27.494	34.245	40.771	0.663	2.83	496
600	5.681	35.029	4.88	5.629	27.623	34.418	40.985	0.722	1.78	595
700	4.965	34.998	5.38	4.907	27.685	34.506	41.100	0.773	1.31	694
800	4.625	34.991	5.66	4.561	27.719	34.554	41.160	0.820	0.81	793
900	4.407	34.979	5.77	4.336	27.734	34.578	41.192	0.865	0.75	891
1000	4.249	34.972	5.91	4.170	27.746	34.596	41.217	0.911	0.68	990
1200	4.102	34.977	5.95	4.008	27.768	34.624	41.251	1.000	0.61	1188
1400	3.947	34.975	6.01	3.836	27.783	34.646	41.280	1.090	0.55	1385
1600	3.810	34.976	6.05	3.683	27.800	34.669	41.308	1.179	0.60	1582
1800	3.666	34.976	6.07	3.523	27.816	34.691	41.336	1.268	0.59	1779
2000	3.500	34.969	6.08	3.340	27.828	34.711	41.363	1.357	0.58	1976
2200	3.323	34.965	6.09	3.146	27.843	34.734	41.393	1.444	0.61	2172
2400	3.107	34.954	6.11	2.915	27.857	34.757	41.425	1.531	0.69	2369
2600	2.858	34.943	6.13	2.650	27.871	34.782	41.461	1.615	0.75	2565
2781	2.736	34.936	6.04	2.513	27.878	34.795	41.479	1.689	0.37	2742

ENDEAVOR 88 STA- 4 LAT= 36 38.1N LON= 73 46.3W SONIC DEPTH= 2750m
DATE 8/ 8/82

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	27.739	35.575	4.62	27.738	22.914	29.125	35.135	0.015	4.57	3
25	21.991	35.937	5.11	21.986	24.935	31.255	37.370	0.111	21.21	25
50	15.856	36.210	4.53	15.848	26.715	33.178	39.429	0.157	7.24	50
75	15.749	36.278	4.91	15.737	26.792	33.258	39.511	0.188	0.73	74
100	15.732	36.272	4.91	15.716	26.793	33.259	39.513	0.220	0.23	99
150	15.712	36.264	4.96	15.688	26.793	33.260	39.515	0.285	-0.06	149
200	15.682	36.254	5.06	15.650	26.794	33.262	39.518	0.350	0.13	198
250	15.637	36.253	5.11	15.647	26.794	33.262	39.518	0.416	0.41	248
300	14.553	35.996	4.68	14.508	26.849	33.350	39.638	0.482	3.15	298
350	11.973	35.542	3.38	11.927	27.025	33.605	39.967	0.543	3.28	347
400	10.344	35.341	3.36	10.296	27.168	33.800	40.212	0.595	3.33	397
450	8.412	35.146	3.51	8.364	27.333	34.030	40.505	0.640	2.77	446
500	7.321	35.087	3.92	7.272	27.449	34.184	40.695	0.679	2.76	496
600	5.891	35.033	4.73	5.838	27.600	34.387	40.947	0.741	1.94	595
700	5.035	35.001	5.31	4.978	27.679	34.498	41.089	0.794	1.47	694
800	4.733	34.999	5.59	4.668	27.713	34.544	41.146	0.841	0.85	793
900	4.488	34.983	5.76	4.416	27.728	34.569	41.181	0.888	0.82	891
1000	4.324	34.977	5.91	4.245	27.742	34.589	41.207	0.934	0.75	990
1200	4.092	34.972	6.03	3.997	27.764	34.621	41.248	1.024	0.61	1188
1400	3.986	34.974	6.08	3.875	27.779	34.640	41.272	1.114	0.61	1385
1600	3.823	34.977	6.05	3.696	27.799	34.658	41.306	1.204	0.55	1582
1800	3.653	34.974	6.04	3.539	27.813	34.687	41.332	1.293	0.58	1779
2000	3.519	34.970	6.10	3.359	27.827	34.709	41.361	1.382	0.64	1976
2200	3.339	34.964	6.09	3.162	27.842	34.732	41.390	1.471	0.67	2172
2400	3.131	34.954	6.12	2.939	27.854	34.753	41.421	1.557	0.72	2369
2600	2.834	34.941	6.16	2.628	27.872	34.784	41.463	1.641	0.64	2565
2759	2.734	34.937	6.12	2.512	27.878	34.795	41.479	1.710	0.50	2731

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	27.656	35.481	4.80				27.653	22.872	35.096	10
100	15.717	36.275	5.13				15.702	26.798	39.519	99
198	15.677	36.256	5.18				15.646	26.796	39.520	197
299	14.592	35.983	4.71				14.547	26.830	39.617	296
400	9.535	35.242	3.32				9.490	27.228	40.324	397
492	7.421	35.091	3.85				7.372	27.438	40.677	487
597	5.830	35.026	4.82				5.778	27.602	40.953	592
698	5.052	35.006	5.38				4.994	27.681	41.090	691
796	4.740	34.999	5.57				4.676	27.712	41.145	789
893	4.452	34.978	5.65				4.391	27.727	41.181	885
999	4.381	34.977	5.86				4.301	27.736	41.197	989
1072	4.196	34.973	6.09				4.112	27.753	41.229	1061
1293	4.022	34.969	6.12				3.920	27.770	41.260	1279
1488	3.878	34.971	6.16				3.760	27.788	41.290	1472
1686	3.751	34.975	6.20				3.617	27.806	41.319	1666
1886	3.631	34.972	6.23				3.479	27.817	41.341	1864
2091	3.443	34.966	6.27				3.276	27.832	41.372	2065
2287	3.232	34.959	6.31				3.048	27.848	41.406	2258
2483	2.979	34.946	6.33				2.781	27.862	41.441	2450
2768	2.734	34.932	6.35				2.513	27.875	41.475	2730

ENDEAVOR 88 STA- 5 LAT= 36 19.3N LON= 73 12.4W SONIC DEPTH= 3417m
DATE 8/ 8/82

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	29.324	35.898		29.323	22.632	28.813	34.794	0.016	2.07	3
25	29.116	35.951		29.109	22.744	28.927	34.911	0.130	10.82	25
50	25.632	36.331		25.621	24.158	30.401	36.442	0.240	11.26	50
75	23.781	36.523		23.765	24.867	31.144	37.218	0.325	8.51	74
100	21.817	36.415		21.797	25.352	31.672	37.786	0.397	7.66	99
150	19.258	36.458		19.241	26.075	32.451	38.620	0.511	5.77	149
200	18.103	36.396		18.068	26.326	32.731	38.927	0.602	3.64	198
250	14.847	35.941		14.809	26.741	33.234	39.514	0.682	5.33	248
300	11.798	35.486		11.669	27.031	33.519	39.989	0.743	3.57	298
350	10.379	35.321		10.337	27.145	33.776	40.187	0.795	2.41	347
400	9.441	35.199		9.396	27.210	33.872	40.314	0.843	2.06	397
450	8.982	35.205		8.932	27.290	33.957	40.423	0.888	2.80	446
500	7.592	35.095		7.541	27.417	34.143	40.644	0.929	2.90	496
600	6.099	35.045		6.045	27.583	34.362	40.915	0.994	2.00	595
700	5.155	35.001		5.107	27.663	34.478	41.064	1.048	1.36	694
800	4.817	34.992		4.752	27.698	34.526	41.125	1.098	1.08	793
900	4.577	34.987		4.505	27.721	34.558	41.157	1.145	0.94	891
1000	4.372	34.977		4.293	27.737	34.582	41.199	1.192	0.65	990
1200	4.235	34.985		4.139	27.759	34.611	41.233	1.284	0.64	1188
1400	4.012	34.973		3.900	27.776	34.636	41.257	1.375	0.58	1385
1600	3.855	34.971		3.737	27.791	34.658	41.295	1.467	0.58	1582
1800	3.757	34.975		3.613	27.806	34.678	41.319	1.558	0.59	1779
2000	3.591	34.972		3.430	27.822	34.701	41.350	1.649	0.60	1976
2200	3.443	34.968		3.265	27.835	34.720	41.375	1.739	0.63	2172
2400	3.257	34.961		3.072	27.847	34.741	41.403	1.829	0.63	2369
2600	3.024	34.949		2.814	27.861	34.756	41.438	1.917	0.70	2565
2800	2.841	34.940		2.614	27.873	34.785	41.465	2.002	0.69	2761
3000	2.580	34.927		2.338	27.886	34.809	41.500	2.085	0.65	2957
3457	2.216	34.903		1.935	27.899	34.840	41.547	2.256	0.54	3404

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
106	20.928	36.420	4.16	2.2	0.24	2.8	20.908	25.602	38.074	105
206	17.394	36.305	3.49	4.3	0.64	11.2	17.359	26.431	39.068	205
255	14.252	35.876	3.39				14.214	26.820	39.626	253
304	11.539	35.483	3.12	12.3	1.45	23.2	11.500	27.060	40.028	301
505	7.702	35.102	3.87	15.8	1.67	25.5	7.651	27.406	40.626	501
700	5.242	35.002	5.16	15.4	1.31	21.5	5.183	27.655	41.051	693
895	4.606	34.987	5.69	12.6	1.30	19.6	4.534	27.718	41.162	886
1128	4.297	34.980	5.91	12.5	1.26	19.6	4.207	27.748	41.217	1116
1324	4.098	34.980	6.01	12.9	1.22	19.2	3.992	27.771	41.256	1310
1521	3.938	34.973	6.06	15.0	1.27	20.0	3.817	27.784	41.282	1504
1713	3.808	34.980	6.04	14.2	1.24	18.5	3.670	27.804	41.313	1694
1906	3.676	34.974	6.36	16.0	1.27	19.2	3.522	27.814	41.335	1883
2099	3.523	34.974	6.05	18.4	1.27	20.0	3.353	27.831	41.365	2073
2295	3.349	34.980	6.10	19.7	1.26	19.3	3.163	27.854	41.402	2266
2479	3.155	34.951	6.24	19.3	1.28	18.9	2.954	27.850	41.416	2447
2700	2.924	34.948	6.28	20.6	1.27	19.3	2.705	27.870	41.456	2663
2845	2.763	34.940	6.28	22.9	1.23	18.9	2.533	27.879	41.478	2805
3150	2.432	34.921	6.36	29.9	1.26	19.6	2.178	27.894	41.522	3103
3458	2.216	34.904	6.22				1.935	27.900	41.548	3405

ENDEAVOR 88 STA- 6 LAT= 36 23.7N LON= 73 27.6W SONIC DEPTH= 3231m
DATE 9/ 8/82

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	cdh	m
3	27.945	35.014	4.75	27.944	22.425	28.637	34.647	0.016	10.94	3
25	28.559	36.077	4.82	28.563	23.021	29.213	35.205	0.128	7.89	25
50	25.558	36.054	4.67	25.557	23.968	30.215	36.259	0.240	14.75	50
75	17.304	35.250	4.77	17.291	25.645	32.080	38.305	0.316	10.55	74
100	17.754	36.118	3.48	17.737	26.195	32.611	38.817	0.369	6.39	99
150	15.223	35.948	3.33	15.199	26.660	33.143	39.413	0.449	4.61	149
200	12.967	35.663	3.19	12.939	26.919	33.458	39.801	0.514	3.47	198
250	11.598	35.474	3.14	11.566	27.041	33.632	40.005	0.570	2.16	248
300	10.705	35.360	3.17	10.668	27.116	33.736	40.137	0.622	2.28	298
350	10.127	35.318	3.45	10.085	27.186	33.825	40.244	0.671	2.18	347
400	8.552	35.150	3.47	8.509	27.314	34.006	40.475	0.716	2.70	397
450	7.677	35.090	3.79	7.631	27.399	34.122	40.621	0.756	2.41	446
500	6.970	35.071	4.21	6.923	27.486	34.233	40.756	0.792	2.44	496
600	5.752	35.024	4.90	5.700	27.610	34.402	40.967	0.853	1.80	595
700	5.092	35.000	5.39	5.034	27.671	34.488	41.078	0.905	1.29	694
800	4.731	34.990	5.67	4.667	27.706	34.537	41.139	0.954	0.89	793
900	4.497	34.981	5.84	4.425	27.725	34.566	41.177	1.001	0.82	891
1000	4.328	34.977	5.94	4.249	27.741	34.588	41.206	1.047	0.69	990
1200	4.156	34.975	6.04	4.071	27.759	34.613	41.238	1.138	0.57	1188
1400	4.018	34.974	6.18	3.906	27.775	34.636	41.266	1.229	0.57	1385
1600	3.883	34.973	6.06	3.755	27.790	34.657	41.293	1.321	0.59	1582
1800	3.751	34.974	6.11	3.616	27.805	34.677	41.318	1.413	0.58	1779
2000	3.606	34.971	6.18	3.445	27.820	34.699	41.347	1.504	0.60	1976
2200	3.452	34.969	6.18	3.273	27.835	34.720	41.375	1.594	0.68	2172
2400	3.213	34.959	6.19	3.019	27.850	34.746	41.411	1.683	0.69	2369
2600	3.014	34.950	6.23	2.804	27.863	34.768	41.441	1.770	0.71	2565
2800	2.699	34.935	6.25	2.475	27.880	34.798	41.484	1.854	0.76	2761
3000	2.424	34.920	6.26	2.185	27.892	34.822	41.520	1.934	0.72	2957
3259	2.221	34.906	6.18	1.961	27.899	34.839	41.545	2.033	0.51	3210

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
8	27.834	35.486	4.59				27.832	22.817	35.036	8
103	17.563	36.174	3.53	0.8	0.16	0.2	17.645	26.260	38.886	102
204	12.754	35.637	3.16	4.8	0.51	11.1	12.726	26.942	39.836	202
253	11.854			10.2	1.24	21.2				251
304	10.592	35.355	3.08	13.7	1.56	25.5	10.555	27.133	40.161	301
499	7.043	35.077	4.05	15.1	1.56	25.0	6.995	27.480	40.746	495
693	5.101	34.999	5.29	12.8	1.37	21.1	5.044	27.670	41.075	687
898	4.455	34.978	5.76	12.3	1.30	19.7	4.393	27.727	41.181	889
1096	4.237	34.975	5.91	12.3	1.30	19.2	4.151	27.751	41.223	1085
1303	4.076	34.978	6.03	12.3	1.22	19.1	3.973	27.772	41.258	1289
1497	3.956	34.975	6.06	12.6	1.24	18.9	3.837	27.783	41.280	1480
1694	3.825	34.975	6.10	13.4	1.23	18.4	3.689	27.799	41.306	1675
1892	3.751	34.979	6.12	14.3	1.22	18.7	3.607	27.810	41.324	1870
2096	3.539	34.979	6.13				3.369	27.833	41.366	2070
2293	3.348	34.964	6.17	16.7	1.25	18.4	3.162	27.841	41.390	2264
2493	3.122	34.957	6.21				2.920	27.858	41.426	2460
2692	2.900	34.944	6.21	18.9	1.23	18.1	2.683	27.869	41.456	2655
2886	2.582	34.930	6.29	20.6	1.25	18.2	2.351	27.887	41.501	2845
3084	2.322	34.918	6.26	23.6		19.7	2.078	27.900	41.536	3039
3250	2.221	34.904	6.22	28.0	1.28	19.4	1.961	27.898	41.544	3212

ENDEAVOR 88 STA- 7 LAT= 36 28.0N LON= 73 32.0W SONIC DEPTH= 3066m
DATE 9/ 8/82

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	27.144	33.475	4.83	27.143	21.526	27.764	33.801	0.019	22.88	3
25	27.257	35.782	4.79	27.262	23.225	29.442	35.458	0.135	14.95	25
50	20.716	36.315	3.99	20.707	25.577	31.921	38.059	0.220	14.12	50
75	16.002	36.108	4.11	15.990	26.603	33.064	39.312	0.268	8.94	74
100	15.551	36.213	5.01	15.535	26.789	33.250	39.519	0.301	1.74	99
150	15.527	36.210	5.14	15.504	26.793	33.266	39.526	0.365	0.28	149
200	15.545	36.214	5.17	15.514	26.794	33.266	39.526	0.431	-1.75	198
250	15.127	36.107	5.16	15.089	26.807	33.292	39.563	0.497	1.92	248
300	13.232	35.740	4.00	13.189	26.929	33.469	39.795	0.561	3.58	298
350	11.274	35.449	3.42	11.229	27.084	33.686	40.069	0.617	3.19	347
400	9.519	35.242	3.35	9.473	27.231	33.890	40.328	0.666	2.95	397
450	8.067	35.128	3.68	8.020	27.371	34.090	40.566	0.709	2.86	446
500	6.955	35.071	4.16	6.917	27.486	34.234	40.757	0.746	2.57	496
500	5.750	35.022	4.82	5.708	27.607	34.399	40.964	0.806	1.68	595
700	5.216	35.013	5.27	5.158	27.668	34.480	41.064	0.860	1.38	694
800	4.790	34.996	5.55	4.725	27.704	34.533	41.133	0.909	1.09	793
900	4.517	34.985	5.82	4.445	27.727	34.566	41.177	0.956	0.80	891
1000	4.323	34.975	5.92	4.244	27.740	34.588	41.206	1.002	0.73	990
1200	4.152	34.976	6.03	4.057	27.762	34.616	41.241	1.093	0.56	1188
1400	4.004	34.975	6.10	3.892	27.777	34.639	41.270	1.183	0.58	1385
1600	3.859	34.975	6.09	3.732	27.794	34.662	41.299	1.274	0.63	1582
1800	3.716	34.975	6.08	3.571	27.810	34.684	41.327	1.364	0.57	1779
2000	3.565	34.972	6.13	3.404	27.824	34.704	41.354	1.455	0.63	1976
2200	3.370	34.966	6.14	3.193	27.840	34.729	41.386	1.544	0.67	2172
2400	3.157	34.957	6.14	2.974	27.853	34.751	41.417	1.631	0.67	2369
2600	2.909	34.945	6.17	2.701	27.868	34.777	41.454	1.717	0.86	2565
2800	2.573	34.928	6.25	2.352	27.885	34.809	41.499	1.797	0.76	2761
3000	2.290	34.912	6.24	2.055	27.897	34.832	41.535	1.874	0.72	2957
3095	2.222	34.906	6.08	1.979	27.898	34.837	41.543	1.909	0.19	3050

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
7	28.060	34.723	4.80	0.6	0.10	0.1	28.058	22.169	34.392	7
98	15.429	36.149	4.94	2.8	0.45	7.4	15.414	26.766	39.504	97
199	15.550	36.222	5.07	2.6	0.40	6.4	15.519	26.799	39.530	197
249	14.635	36.005	4.78	4.0	0.48	9.5	14.567	26.843	39.628	247
298	12.555	35.635	3.55	6.8	1.00	14.4	12.524	26.981	39.887	295
399	9.245	35.217	3.32	14.7	1.20	24.8	9.200	27.256	40.372	395
496	7.112	35.075	4.05	14.4	1.58	22.9	7.064	27.459	40.729	492
696	5.153	35.009	5.22	14.2		22.3	5.095	27.671	41.073	690
896	4.509	34.984	5.70	11.9	1.30	18.4	4.437	27.727	41.177	888
1097	4.224	34.984	5.86				4.138	27.759	41.232	1086
1298	4.055	34.985	5.97	12.3	1.29	18.1	3.953	27.779	41.267	1284
1494	3.915	34.975	6.05	12.7	1.29	17.7	3.796	27.788	41.287	1477
1695	3.786	34.979	6.05				3.650	27.806	41.316	1675
1894	3.650	34.973	6.06				3.498	27.816	41.339	1872
2095	3.472	34.969	6.10				3.304	27.832	41.369	2069
2292	3.282	34.970	6.09	16.7	1.26	17.5	3.097	27.852	41.406	2263
2494	3.050	34.956	6.10				2.860	27.863	41.436	2461
2680	2.746	34.934		19.8	0.97	17.8	2.533	27.874	41.474	2643
2893	2.432	34.920	6.20	21.9	1.14	17.5	2.204	27.891	41.517	2852
3096	2.222	34.905					1.979	27.897	41.542	3051

ENDEAVOR 88 STA- 8 LAT= 36 33.0N LON= 73 39.8W SONIC DEPTH= 2908m
DATE 9/ 8/82

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	27.527	35.152	4.61	27.527	22.665	28.883	34.899	0.016	8.46	3
25	22.924	36.334	4.49	22.919	24.971	31.257	37.359	0.114	21.16	25
50	15.354	36.184	4.25	16.376	26.572	33.022	39.260	0.163	8.04	50
75	15.656	36.240	4.91	15.645	26.785	33.253	39.509	0.197	2.46	74
100	15.654	36.244	5.03	15.638	26.789	33.257	39.514	0.229	0.26	99
150	15.582	36.225	5.09	15.559	26.792	33.253	39.521	0.293	0.29	149
200	15.585	36.223	5.14	15.554	26.792	33.263	39.521	0.358	0.04	198
250	15.472	36.193	5.15	15.433	26.796	33.271	39.532	0.424	1.21	248
300	13.931	35.873	4.35	13.888	26.887	33.406	39.711	0.490	3.49	298
350	11.430	35.468	3.47	11.385	27.070	33.667	40.046	0.547	3.33	347
400	9.333	35.221	3.34	9.288	27.245	33.910	40.354	0.597	3.22	397
450	8.209	35.132	3.51	8.162	27.354	34.058	40.539	0.639	2.80	446
500	6.997	35.069	4.11	6.949	27.481	34.227	40.749	0.676	2.56	496
600	5.753	35.028	4.85	5.701	27.613	34.405	40.970	0.737	1.76	595
700	5.037	35.007	5.37	4.979	27.683	34.593	41.094	0.788	1.33	694
800	4.710	34.998	5.62	4.646	27.714	34.546	41.149	0.836	0.96	793
900	4.526	34.993	5.78	4.454	27.732	34.571	41.182	0.882	0.76	891
1000	4.400	34.993	5.84	4.320	27.746	34.591	41.206	0.928	0.70	990
1200	4.134	34.978	6.03	4.039	27.765	34.620	41.246	1.018	0.63	1188
1400	3.937	34.972	6.09	3.827	27.782	34.646	41.279	1.107	0.58	1385
1600	3.805	34.972	6.11	3.678	27.797	34.667	41.306	1.197	0.56	1582
1800	3.659	34.972	6.07	3.526	27.812	34.688	41.333	1.287	0.65	1779
2000	3.498	34.968	6.12	3.338	27.828	34.711	41.363	1.376	0.61	1976
2200	3.340	34.964	6.11	3.163	27.842	34.732	41.390	1.464	0.62	2172
2400	3.164	34.956	6.14	2.971	27.852	34.750	41.416	1.551	0.65	2369
2600	2.918	34.944	6.17	2.709	27.867	34.775	41.452	1.636	0.68	2565
2800	2.602	34.929	6.22	2.380	27.884	34.806	41.495	1.718	0.95	2761
2917	2.430	34.919	6.10	2.200	27.891	34.820	41.517	1.763	0.23	2876

PR	T	S	O2	SIL	PHOS	N03	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	27.350	35.044	4.78		0.02	0.2	27.349	22.641	34.883	5
105	15.631				0.01	0.2				104
201	15.578	36.230	5.11	3.2	0.35	6.2	15.547	26.799	39.528	200
302	13.258	35.759	3.95	7.2	0.86	14.1	13.225	26.936	39.799	299
402	9.380	35.227	3.27	14.9	1.50	23.0	9.335	27.242	40.349	399
500	6.787	35.060	4.16	14.6	1.44	22.3	6.740	27.502	40.785	496
579	5.841	35.025	4.86	13.8	1.35	19.4	5.790	27.599	40.950	574
699	4.937	35.003	5.43	13.0	1.24	18.0	4.880	27.692	41.109	693
795	4.674	34.997	5.64	11.3	1.10	15.6	4.610	27.718	41.155	788
897	4.490	34.989	5.75	12.7	1.17	17.2	4.419	27.733	41.185	888
1088	4.240	34.994	5.86	12.7	1.18	16.9	4.154	27.765	41.237	1077
1289	4.067	34.984	6.07	12.9	1.17	15.8	3.955	27.777	41.264	1276
1491	3.858	34.973	6.04	13.4	1.15	16.7	3.740	27.792	41.296	1475
1686	3.736	34.976	6.08	13.2	1.11	15.6	3.602	27.808	41.322	1667
1889	3.575	34.971	6.08	15.3	1.17	16.6	3.424	27.822	41.350	1867
2100	3.409	34.968	6.06	16.6	1.18	15.8	3.241	27.837	41.380	2074
2299	3.242	34.961	6.08	17.7	1.19	16.7	3.057	27.849	41.406	2270
2504	3.004	34.948	6.11	18.9	1.20	16.7	2.803	27.862	41.439	2470
2703	2.774	34.937	6.13	19.4	1.12	16.1	2.558	27.875	41.472	2666
2917	2.431	34.920	6.17	24.7	1.28	15.4	2.201	27.891	41.518	2875

ENDEAVOR 88 STA- 9 LAT= 36 38.2N LON= 73 46.6W SONIC DEPTH= 2746m
DATE 9/ 8/82

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	27.829	35.750	4.56	27.828	23.017	29.224	35.231	0.015	2.63	3
25	19.559	35.909	5.12	19.654	25.547	31.919	38.084	0.107	22.52	25
50	15.775	36.222	4.81	15.768	26.742	33.208	39.461	0.146	5.53	50
75	15.699	36.260	4.86	15.687	26.790	33.257	39.511	0.178	0.72	74
100	15.690	36.258	4.99	15.675	26.792	33.259	39.514	0.210	0.33	99
150	15.691	36.254	5.09	15.657	26.792	33.260	39.516	0.275	0.32	149
200	15.634	36.240	5.14	15.603	26.794	33.263	39.520	0.340	0.09	198
250	15.631	36.237	5.17	15.592	26.794	33.254	39.521	0.406	0.95	248
300	14.453	35.975	4.71	14.408	26.854	33.358	39.649	0.472	3.53	298
350	11.516	35.480	3.41	11.471	27.063	33.657	40.034	0.531	3.47	347
400	9.602	35.247	3.30	9.556	27.220	33.877	40.313	0.581	3.13	397
450	8.523	35.154	3.49	8.475	27.322	34.015	40.486	0.625	3.01	446
500	7.194	35.079	4.02	7.146	27.461	34.201	40.716	0.663	2.56	496
600	5.546	35.020	4.90	5.595	27.620	34.416	40.985	0.724	1.92	595
700	5.030	35.007	5.35	4.972	27.684	34.504	41.095	0.776	1.35	694
800	4.802	35.007	5.52	4.737	27.711	34.540	41.139	0.824	1.06	793
900	4.518	34.994	5.74	4.446	27.734	34.573	41.184	0.870	0.73	891
1000	4.320	34.982	5.88	4.241	27.746	34.593	41.212	0.915	0.68	990
1200	4.134	34.977	5.97	4.040	27.764	34.619	41.245	1.005	0.61	1188
1400	3.974	34.976	6.09	3.863	27.782	34.644	41.276	1.095	0.57	1385
1600	3.820	34.975	6.06	3.693	27.798	34.667	41.306	1.185	0.61	1582
1800	3.680	34.975	6.12	3.536	27.814	34.689	41.334	1.274	0.58	1779
2000	3.504	34.971	6.09	3.344	27.829	34.712	41.364	1.363	0.58	1976
2200	3.301	34.964	6.06	3.125	27.845	34.736	41.396	1.451	0.67	2172
2400	3.050	34.953	6.14	2.869	27.860	34.762	41.432	1.536	0.76	2369
2600	2.816	34.941	6.18	2.610	27.873	34.786	41.466	1.619	0.57	2565
2761	2.756	34.938	6.09	2.545	27.876	34.791	41.474	1.685	0.42	2723

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
12	27.775	35.753	4.71	0.8	0.02	0.3	27.773	23.045	35.261	12
101	15.557	36.256	5.12	2.9	0.33	6.5	15.641	26.797	39.522	101
200	15.615	36.239	5.12	2.9	0.34	6.5	15.583	26.797	39.525	199
296	14.685	36.051	4.86	3.7	0.47	8.5	14.640	26.863	39.643	294
397	9.787	35.284	3.26	12.0	1.15	16.9	9.741	27.218	40.298	393
496	7.152	35.082	3.96	14.9	1.51	22.3	7.114	27.458	40.724	492
599	5.651	35.020	4.91	13.6	1.49	21.1	5.600	27.619	40.984	594
698	5.052	35.001	5.37	12.2	1.17	17.7	4.995	27.677	41.086	691
798	4.774	35.000	5.57				4.709	27.709	41.139	791
893	4.552	34.996	5.59	12.4	1.21	17.5	4.480	27.731	41.179	884
998	4.337	34.987	5.86	12.1	1.09	16.6	4.258	27.749	41.213	989
1100	4.206	34.976	5.99	11.6	1.09	16.1	4.119	27.755	41.230	1089
1298	4.016	34.973	6.04	12.5	1.14	16.4	3.913	27.774	41.265	1284
1485	3.908	34.974	6.14	13.1	1.15	16.5	3.790	27.787	41.287	1469
1693	3.750	34.976	6.10	13.9	1.19	16.6	3.615	27.807	41.320	1674
1886	3.627	34.973	6.12	12.2	1.03		3.476	27.818	41.342	1863
2088	3.420	34.969	6.12	16.2	1.18		3.253	27.837	41.378	2063
2293	3.186	34.960	6.13	17.8	1.08		3.003	27.853	41.414	2263
2493	2.936	34.945	6.14				2.738	27.865	41.448	2460
2752	2.757	34.938	6.24		1.02		2.536	27.877	41.476	2724

ENDEAVOR 88 STA- 10
DATE 9/ 8/82

LAT= 36 42.8N LON= 73 53.9W

SONIC DEPTH= 2640m

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	27.954	35.728	4.97	27.953	22.960	29.165	35.170	0.015	-0.86	3
25	25.794	36.010	4.85	25.789	23.864	30.106	36.146	0.121	20.99	25
50	16.238	36.129	4.63	16.230	26.564	33.018	39.261	0.179	10.98	50
75	15.745	36.275	4.83	15.733	26.791	33.257	39.510	0.212	1.10	74
100	15.732	36.271	4.88	15.716	26.792	33.258	39.512	0.243	0.25	99
150	15.714	36.264	4.98	15.690	26.793	33.259	39.514	0.308	0.15	149
200	15.682	36.253	5.06	15.650	26.793	33.251	39.517	0.373	0.06	198
250	15.688	36.253	5.12	15.649	26.794	33.262	39.517	0.439	0.49	248
300	14.234	35.934	4.50	14.189	26.870	33.380	39.677	0.505	3.49	298
350	11.165	35.442	3.40	11.121	27.099	33.704	40.090	0.563	3.70	347
400	9.359	35.228	3.35	9.314	27.246	33.911	40.354	0.612	2.87	397
450	7.966	35.117	3.71	7.920	27.378	34.090	40.579	0.654	3.30	446
500	6.755	35.051	4.21	6.718	27.506	34.261	40.790	0.690	2.61	496
600	5.484	35.024	5.01	5.433	27.643	34.445	41.020	0.747	1.69	595
700	4.954	35.009	5.44	4.906	27.693	34.515	41.109	0.796	1.11	694
800	4.721	35.004	5.57	4.657	27.718	34.549	41.152	0.844	0.90	793
900	4.478	34.990	5.78	4.407	27.735	34.576	41.188	0.889	0.74	891
1000	4.317	34.985	5.87	4.239	27.749	34.596	41.214	0.935	0.67	990
1200	4.099	34.974	6.01	4.005	27.765	34.622	41.249	1.024	0.59	1188
1400	3.990	34.977	6.06	3.879	27.780	34.642	41.274	1.114	0.57	1385
1600	3.824	34.975	6.08	3.697	27.798	34.666	41.305	1.204	0.60	1582
1800	3.688	34.976	6.12	3.544	27.814	34.689	41.333	1.294	0.63	1779
2000	3.522	34.972	6.14	3.361	27.828	34.710	41.361	1.383	0.70	1976
2200	3.254	34.952	6.14	3.079	27.847	34.741	41.403	1.470	0.69	2172
2400	3.152	34.957	6.17	2.968	27.854	34.751	41.418	1.555	0.47	2369
2600	2.959	34.948	6.10	2.749	27.866	34.773	41.448	1.641	0.52	2565
2647	2.936	34.947	6.12	2.723	27.868	34.776	41.452	1.661	0.55	2611

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	N33 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
9	28.332	35.966	4.77				28.330	23.015	35.208	8
102	15.705	36.271	5.11				15.689	26.798	39.519	101
200	15.648	36.252	5.11				15.617	26.800	39.525	198
299	13.415	35.870	4.26				13.373	26.992	39.845	297
399	9.337	35.231	3.33				9.292	27.252	40.361	395
498	6.850	35.072	4.11				6.813	27.502	40.779	493
597	5.694	35.032	4.88				5.643	27.623	40.985	591
696	5.070	35.015	5.31				5.013	27.686	41.093	690
796	4.771	35.008	5.57				4.707	27.716	41.146	788
889	4.549	34.996	5.73				4.478	27.732	41.179	880
993	4.356	34.987	5.84				4.278	27.746	41.209	983
1094	4.254	34.985	5.92				4.167	27.757	41.228	1083
1194	4.121	34.978	6.03				4.027	27.766	41.248	1182
1393	3.977	34.976	6.07				3.867	27.781	41.275	1378
1591	3.820	34.976	6.08				3.693	27.799	41.306	1573
1792	3.677	34.977	6.10				3.534	27.816	41.335	1771
1991	3.515	34.974	6.11				3.356	27.831	41.364	1967
2191	3.246	34.961	6.14				3.072	27.847	41.403	2164
2392	3.169	34.958	6.13				2.976	27.854	41.417	2361
2648	2.937	34.948	6.21				2.723	27.869	41.453	2612

ENDEAVOR 88 STA- 11
DATE 10/ 8/82

LAT= 36 49.2N LON= 74 3.8W

SONIC DEPTH= 2370m

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	cdh	m
3	27.790	35.448	4.75	27.789	22.803	29.013	35.023	0.015	0.49	3
25	22.177	36.283	4.39	22.172	25.146	31.459	37.567	0.115	23.07	25
50	15.895	36.167	4.63	15.887	26.673	33.135	39.386	0.159	7.27	50
75	15.699	36.261	4.95	15.687	26.791	33.258	39.513	0.191	0.83	74
100	15.651	36.248	5.04	15.635	26.793	33.261	39.517	0.223	0.49	99
150	15.596	36.232	5.10	15.572	26.795	33.255	39.523	0.287	0.09	149
200	15.457	36.194	5.15	15.426	26.799	33.273	39.535	0.352	1.63	198
250	13.162	35.733	3.89	13.127	26.936	33.479	39.806	0.416	3.39	248
300	11.110	35.446	3.46	11.073	27.110	33.717	40.105	0.471	3.05	298
350	9.945	35.306	3.40	9.904	27.208	33.853	40.277	0.520	2.79	347
400	8.241	35.140	3.60	8.199	27.354	34.057	40.537	0.563	2.85	397
450	7.307	35.056	3.95	7.262	27.450	34.185	40.696	0.601	2.73	446
500	6.459	35.051	4.39	6.414	27.539	34.305	40.845	0.634	2.38	496
600	5.339	35.007	5.10	5.288	27.647	34.454	41.034	0.689	1.59	595
700	4.840	34.987	5.45	4.783	27.691	34.517	41.115	0.738	1.06	694
800	4.579	34.981	5.68	4.516	27.716	34.553	41.161	0.786	0.88	793
900	4.397	34.978	5.82	4.326	27.734	34.578	41.193	0.832	0.79	891
1000	4.290	34.976	5.89	4.211	27.745	34.594	41.213	0.877	0.60	990
1200	4.129	34.973	5.98	4.034	27.761	34.617	41.243	0.967	0.57	1188
1400	3.993	34.973	6.04	3.882	27.777	34.639	41.270	1.058	0.61	1385
1600	3.853	34.975	6.07	3.725	27.795	34.662	41.300	1.148	0.56	1582
1800	3.719	34.974	6.08	3.574	27.809	34.683	41.326	1.239	0.57	1779
2000	3.555	34.972	6.10	3.394	27.825	34.706	41.356	1.329	0.65	1976
2200	3.389	34.966	6.12	3.211	27.838	34.726	41.383	1.418	0.53	2172
2393	3.277	34.961	6.06	3.083	27.846	34.740	41.401	1.504	0.50	2362

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
18	26.222	36.313	4.90	1.3	0.09	0.1	26.218	23.958	36.220	18
103	15.656	36.258	5.14	3.0	0.41	7.1	15.640	26.799	39.523	102
201	15.146	36.132	5.11	3.3	0.35	7.7	15.115	26.820	39.574	200
299	10.719	35.406	3.45				10.683	27.150	40.169	297
401	7.961	35.123	3.61	15.9	1.41	25.8	7.920	27.383	40.584	397
496	6.255	35.046	4.48	14.5		23.2	6.211	27.562	40.882	492
599	5.282	35.005	5.14	13.7	1.08	21.4	5.233	27.652	41.043	594
696	4.869	34.990	5.45				4.813	27.689	41.112	689
798	4.576	34.984	5.68				4.513	27.718	41.163	791
901	4.416	34.981	5.80	12.4	1.24	19.2	4.345	27.734	41.192	893
997	4.300	34.987	5.86	12.3	1.22	19.0	4.221	27.752	41.219	987
1097	4.193	34.980	5.96	12.5	1.23	19.0	4.107	27.759	41.235	1086
1292	4.055	34.974	6.02	12.3	1.19	18.4	3.963	27.770	41.256	1278
1497	3.914	34.976	6.07				3.796	27.788	41.288	1480
1694	3.802	34.976	6.06	13.6	1.21	18.5	3.656	27.802	41.311	1675
1894	3.654	34.973	6.09	15.0	0.99	18.7	3.502	27.816	41.338	1872
2080	3.485	34.967	6.07	16.4	1.19	18.4	3.318	27.829	41.365	2054
2390	3.345	34.963	6.13	18.0		18.7	3.149	27.842	41.392	2359

ENDEAVOR 88 STA- 12
DATE 10/ 8/82

LAT= 36 53.9N LON= 74 11.0W

SONIC DEPTH= 2215m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	26.253	32.129	5.09	26.252	20.793	27.059	33.123	0.021	26.03	3
25	23.673	36.245	4.82	23.668	24.684	30.966	37.044	0.133	18.43	25
50	17.647	36.152	3.45	17.639	26.245	32.553	38.871	0.194	11.07	50
75	14.981	35.926	3.33	14.970	26.694	33.183	39.459	0.232	5.92	74
100	14.257	35.852	3.27	14.242	26.795	33.305	39.601	0.265	3.27	99
150	12.699	35.641	3.27	12.678	26.955	33.511	39.852	0.325	2.97	149
200	11.614	35.497	3.34	11.588	27.054	33.644	40.017	0.379	2.30	198
250	10.451	35.355	3.31	10.421	27.156	33.784	40.192	0.430	2.78	248
300	8.848	35.185	3.43	8.815	27.293	33.975	40.434	0.475	2.99	298
350	7.946	35.120	3.67	7.910	27.382	34.095	40.584	0.515	2.84	347
400	7.018	35.075	4.09	6.980	27.481	34.226	40.747	0.551	2.61	397
450	6.226	35.041	4.53	6.186	27.561	34.336	40.884	0.582	2.18	446
500	5.778	35.029	4.82	5.735	27.610	34.400	40.964	0.610	1.71	496
600	5.051	34.996	5.29	5.012	27.671	34.489	41.079	0.651	1.28	595
700	4.812	34.995	5.54	4.756	27.700	34.528	41.127	0.709	0.96	694
800	4.555	34.980	5.67	4.492	27.717	34.555	41.164	0.756	0.79	793
900	4.392	34.977	5.83	4.321	27.734	34.578	41.194	0.801	0.84	891
1000	4.257	34.975	5.88	4.178	27.747	34.597	41.218	0.846	0.65	990
1200	4.079	34.974	6.00	3.985	27.767	34.625	41.252	0.936	0.60	1188
1400	3.951	34.975	6.04	3.850	27.782	34.645	41.277	1.025	0.56	1385
1600	3.837	34.975	6.06	3.710	27.796	34.654	41.302	1.115	0.52	1582
1800	3.737	34.974	6.07	3.593	27.807	34.680	41.323	1.206	0.49	1779
2000	3.640	34.973	6.10	3.478	27.818	34.695	41.342	1.297	0.57	1976
2200	3.438	34.969	6.10	3.309	27.831	34.715	41.368	1.388	0.55	2172
2237	3.471	34.968	6.06	3.288	27.833	34.717	41.371	1.405	0.62	2209

PR	T	S	O2	SIL	PHOS	N33	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
13	27.358	35.990	4.90	1.1	0.08	0.1	27.365	23.348	35.575	12
103	13.858	35.813	3.30	8.3	1.08	17.8	13.853	26.847	39.675	102
152	12.344	35.611	3.27	9.9	1.24	20.2	12.324	27.002	39.919	151
202	11.303	35.478	3.31	11.4	1.39	21.8	11.277	27.097	40.079	201
251	10.262	35.336	3.27	13.2	1.52	23.7	10.232	27.175	40.223	249
303	8.597	35.159	3.39	15.9	1.67	25.8	8.565	27.312	40.470	300
402	6.838	35.075	4.13	15.3	1.57	23.9	6.800	27.506	40.784	399
500	5.715	35.029	4.80	13.9	1.44	21.8	5.672	27.617	40.977	496
598	5.057	34.995	5.28	13.1	1.35	20.3	5.008	27.671	41.079	592
699	4.803	34.992	5.49	12.7	1.33	19.7	4.747	27.698	41.126	693
798	4.535	34.985	5.70	12.4	1.29	19.2	4.472	27.724	41.172	791
897	4.357	34.976	6.00	12.3	1.27	18.9	4.317	27.733	41.193	889
997	4.270	34.978	5.90	12.3	1.23	18.7	4.192	27.748	41.218	987
1095	4.168	34.977	5.96	12.4	1.26	18.8	4.082	27.759	41.237	1084
1295	4.015	34.972	6.00	12.6	1.24	18.5	3.913	27.773	41.264	1282
1495	3.886	34.973	6.08	13.3	1.24	18.5	3.767	27.789	41.291	1478
1694	3.795	34.975	6.05	13.8	1.27	18.4	3.659	27.802	41.312	1675
1892	3.688	34.971	6.07	14.7	1.30	18.4	3.536	27.811	41.330	1870
2094	3.543	34.972	6.05	15.7	1.18	18.0	3.373	27.827	41.360	2068
2236	3.456	34.977	6.11	16.4	1.10	18.5	3.284	27.840	41.379	2208

ENDEAVOR 88 STA- 13
DATE 10/ 8/82

LAT= 36 58.5N LON= 74 19.0W

SONIC DEPTH= 2025m

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	25.475	31.557	5.19	25.474	20.601	26.887	32.970	0.021	11.01	3
25	17.843	34.823	5.90	17.838	25.177	31.603	37.818	0.138	22.02	25
50	14.797	35.405	4.41	14.790	26.332	32.831	39.117	0.190	8.34	50
75	13.505	35.573	4.31	13.494	26.737	33.270	39.589	0.226	4.67	74
100	13.001	35.576	4.47	12.987	26.843	33.391	39.724	0.258	3.12	99
150	12.191	35.557	3.49	12.171	26.997	33.569	39.925	0.316	3.01	149
200	10.981	35.413	3.29	10.956	27.106	33.716	40.108	0.368	2.66	198
250	9.405	35.233	3.30	9.377	27.239	33.902	40.343	0.415	2.77	248
300	8.256	35.141	3.57	8.224	27.351	34.052	40.531	0.456	2.62	298
350	7.404	35.091	3.85	7.370	27.438	34.170	40.678	0.493	2.11	347
400	6.625	35.055	4.25	6.588	27.519	34.279	40.813	0.526	2.27	397
450	5.986	35.033	4.66	5.947	27.586	34.369	40.925	0.556	2.08	446
500	5.586	35.017	4.92	5.544	27.624	34.422	40.992	0.583	1.52	496
600	4.997	34.995	5.34	4.948	27.677	34.498	41.090	0.634	1.21	595
700	4.728	34.988	5.57	4.672	27.703	34.534	41.136	0.681	1.00	694
800	4.504	34.979	5.70	4.441	27.723	34.562	41.173	0.727	0.66	793
900	4.397	34.977	5.82	4.326	27.733	34.578	41.193	0.773	0.71	891
1000	4.293	34.978	5.92	4.204	27.747	34.596	41.216	0.818	0.68	990
1200	4.092	34.974	5.99	3.998	27.766	34.623	41.250	0.907	0.46	1188
1400	3.956	34.974	6.07	3.855	27.781	34.644	41.276	0.998	0.62	1385
1600	3.846	34.974	6.07	3.718	27.795	34.663	41.300	1.088	0.45	1582
1800	3.817	34.974	6.02	3.672	27.799	34.669	41.308	1.179	0.31	1779
2000	3.746	34.973	6.09	3.582	27.808	34.681	41.324	1.273	0.47	1976
2049	3.668	34.973	6.07	3.501	27.816	34.692	41.338	1.296	1.09	2024

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	25.356	35.550	4.63				25.364	23.647	35.954	8
102	12.972	35.373	3.20	5.0	0.75	12.0	12.958	26.691	39.577	101
201	10.652	35.148	3.48	13.0	1.50	24.0	10.658	26.953	39.979	199
303	8.269	35.055	4.19	15.5	1.53	25.7	8.237	27.281	40.463	301
400	6.694	35.017	4.83	15.3	1.58	24.0	6.657	27.480	40.769	396
495	5.630	34.985	5.50	13.8	1.41	21.8	5.588	27.593	40.959	491
693	4.744	34.976	5.71	12.6	1.30	19.8	4.689	27.692	41.124	686
795	4.494	34.974	5.78	12.3	1.26	19.3	4.432	27.719	41.171	787
899	4.389	34.976	5.88	12.2	1.24	19.0	4.318	27.733	41.193	891
998	4.264	34.975	5.94	12.4	1.25	18.7	4.186	27.747	41.217	988
1099	4.150	34.973	5.97	12.3	1.23	18.7	4.074	27.757	41.236	1088
1194	4.187	34.973	6.21	12.5	1.23	18.6	4.092	27.755	41.232	1182
1293	4.073	34.971	6.00	12.9	1.20	18.5	3.970	27.766	41.253	1280
1392	3.957	34.969	6.04	13.1	1.22	18.6	3.847	27.778	41.273	1377
1490	3.892	34.973	6.05	13.5	1.22	18.5	3.774	27.788	41.289	1473
1594	3.848	34.971	6.05	13.7	1.22	18.4	3.721	27.792	41.297	1576
1695	3.831	34.970	6.07	13.7	1.22	18.5	3.695	27.794	41.301	1675
1785	3.813	34.970	6.06	13.9	1.20	18.5	3.669	27.797	41.306	1764
1892	3.794	34.970	6.05	15.1	1.16	18.0	3.640	27.799	41.311	1869

ENDEAVOR 88 STA- 14
DATE 10/ 8/82

LAT= 37 4.3N LON= 74 27.4W

SONIC DEPTH= 1380m

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	25.394	31.288	5.20	25.394	20.422	26.712	32.799	0.022	12.36	3
25	17.941	34.685	5.62	17.937	25.048	31.472	37.687	0.144	23.36	25
50	16.617	36.043	3.53	16.609	26.409	32.854	39.088	0.196	8.66	50
75	14.490	35.874	3.40	14.479	26.761	33.254	39.553	0.233	6.32	74
100	13.441	35.727	3.66	13.427	26.869	33.404	39.722	0.263	2.44	99
150	12.278	35.573	3.73	12.258	26.985	33.554	39.907	0.321	3.14	149
200	10.607	35.365	3.35	10.582	27.135	33.758	40.161	0.373	3.00	198
250	9.111	35.205	3.37	9.083	27.266	33.938	40.389	0.418	2.78	248
300	7.952	35.119	3.68	7.931	27.378	34.090	40.579	0.459	2.71	298
350	7.217	35.083	3.99	7.183	27.459	34.197	40.711	0.494	2.35	347
400	6.418	35.049	4.41	6.381	27.542	34.309	40.850	0.526	2.27	397
450	5.790	35.027	4.77	5.751	27.606	34.396	40.959	0.554	1.77	446
500	5.446	35.013	5.00	5.404	27.638	34.441	41.017	0.581	1.39	496
600	4.945	34.996	5.38	4.896	27.684	34.537	41.101	0.630	1.07	595
700	4.756	34.992	5.52	4.700	27.704	34.534	41.135	0.677	0.80	694
800	4.529	34.985	5.72	4.466	27.724	34.563	41.173	0.723	0.82	793
900	4.402	34.982	5.77	4.331	27.737	34.581	41.196	0.768	0.66	891
1000	4.318	34.980	5.81	4.239	27.745	34.592	41.210	0.813	0.60	990
1200	4.153	34.977	5.94	4.087	27.759	34.612	41.236	0.904	0.55	1188
1375	4.082	34.976	5.98	3.972	27.771	34.628	41.257	0.985	0.49	1360

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
16	17.211	33.586	6.10	1.0	0.19	0.1	17.208	24.381	37.076	16
55	16.296	36.082	3.49	5.8	0.76	12.9	16.287	26.515	39.209	54
103	12.896	35.557	4.41	5.5	0.80	12.6	12.881	26.849	39.736	102
200	10.752	35.386	3.33	12.5	1.47	23.3	10.728	27.126	40.143	198
300	8.238	35.142	3.50	15.8	1.66	25.8	8.257	27.347	40.525	298
399	6.242	35.040	4.50				6.206	27.558	40.879	396
516	5.356	35.006	5.06	14.7	1.53	23.1	5.313	27.643	41.029	512
609	4.928	34.993	5.49	13.9	1.42	21.3	4.879	27.684	41.102	603
705	4.737	34.988	5.52	12.0	1.23	18.0	4.681	27.703	41.135	699
799	4.520	34.982	5.71	13.0	1.32	19.6	4.457	27.723	41.172	791
895	4.417	34.979	5.75	12.3	1.26	18.6	4.347	27.733	41.190	886
993	4.318	34.978	5.82	12.8	1.29	19.1	4.239	27.743	41.209	984
1085	4.249	34.976	5.88	12.7	1.25	19.1	4.163	27.750	41.222	1074
1183	4.208	34.977	5.89	12.8	1.27	19.0	4.114	27.756	41.231	1170
1309	4.135	34.974	5.92				4.031	27.762	41.244	1295
1372	4.038	34.984	5.95				3.978	27.776	41.261	1357

ENDEAVOR 88 STA- 15
DATE 10/ 8/82

LAT= 37 9.2N LON= 74 34.2W

SONIC DEPTH= 125m

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	25.057	31.121	5.08	25.067	20.394	26.693	32.786	0.022	15.65	3
25	18.340	35.495	5.07	18.335	25.569	31.976	38.174	0.134	20.09	25
50	12.578	34.806	4.83	12.572	26.328	32.896	39.248	0.183	8.07	50
75	13.597	35.533	4.31	13.586	26.686	33.218	39.534	0.221	4.80	74
100	13.477	35.694	3.95	13.463	26.837	33.370	39.688	0.253	3.65	99
121	12.531	35.615	3.62	12.614	26.948	33.506	39.848	0.278	5.07	120

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
13	25.075	31.292	4.98	0.2			25.072	20.522	32.911	13
52	13.004	35.062	4.82	4.2	0.37	7.4	12.997	26.442	39.333	52
125	12.459	35.604	3.57	9.7	1.12	19.2	12.442	26.973	39.884	124

ENDEAVOR 88 STA- 16
DATE 10/ 8/82

LAT= 37 8.2N LON= 73 40.6W

SONIC DEPTH= 2510m

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	25.659	33.553	5.04	25.658	22.050	28.315	34.378	0.017	19.04	3
25	19.623	35.355	6.25	19.618	25.134	31.512	37.682	0.114	17.62	25
50	14.371	35.171	5.37	14.364	26.242	32.756	39.055	0.170	9.02	50
75	13.430	35.368	4.57	13.419	26.594	33.132	39.454	0.210	5.35	74
100	13.517	35.585	4.51	13.503	26.744	33.278	39.596	0.244	2.93	99
150	14.153	35.828	4.90	14.131	26.800	33.314	39.613	0.308	1.96	149
200	13.223	35.689	4.13	13.195	26.888	33.429	39.754	0.371	2.70	198
250	11.501	35.480	3.54	11.469	27.063	33.657	40.033	0.428	3.35	248
300	9.783	35.263	3.23	9.749	27.201	33.851	40.281	0.477	2.84	298
350	8.744	35.162	3.36	8.706	27.292	33.978	40.441	0.521	2.57	347
400	7.712	35.105	3.78	7.672	27.406	34.127	40.624	0.561	3.06	397
450	6.571	35.057	4.37	6.529	27.528	34.290	40.826	0.595	2.29	446
500	5.988	35.028	4.68	5.944	27.582	34.365	40.922	0.624	1.96	496
600	5.236	35.020	5.18	5.186	27.669	34.491	41.064	0.677	1.39	595
700	4.925	35.018	5.44	4.868	27.705	34.528	41.123	0.725	1.05	694
800	4.580	35.001	5.69	4.516	27.731	34.568	41.176	0.770	0.93	793
900	4.408	34.996	5.82	4.337	27.747	34.590	41.205	0.815	0.63	891
1000	4.238	34.985	5.93	4.160	27.757	34.608	41.229	0.859	0.67	990
1200	4.038	34.978	6.03	3.944	27.775	34.634	41.263	0.947	0.59	1188
1400	3.908	34.978	6.05	3.798	27.789	34.654	41.289	1.034	0.54	1385
1600	3.772	34.976	6.12	3.646	27.804	34.675	41.315	1.122	0.56	1582
1800	3.636	34.975	6.10	3.493	27.818	34.695	41.341	1.210	0.60	1779
2000	3.460	34.970	6.09	3.300	27.833	34.718	41.371	1.298	0.65	1976
2200	3.251	34.964	6.13	3.105	27.847	34.739	41.400	1.385	0.62	2172
2400	3.072	34.955	6.14	2.881	27.860	34.751	41.431	1.470	0.66	2369
2523	3.004	34.951	6.07	2.802	27.864	34.769	41.442	1.522	0.40	2489

PR	T	S	O2	SIL	PHOS	NJ3	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
101	14.894	36.006	4.83	3.9	0.49	9.1	14.879	26.776	39.544	100
194	13.048	35.638	4.40	5.9	0.74	13.1	13.021	26.884	39.761	193
295	10.155	35.310	3.24	13.9	1.41	24.4	10.120	27.174	40.230	293
396	7.651	35.104	3.69				7.611	27.414	40.636	393
497	5.959	35.023	4.67	14.3	1.38	22.1	5.925	27.581	40.922	492
597	5.157	35.018	5.23	13.4	1.29	20.7	5.117	27.676	41.076	592
698	4.895	35.013	5.46	13.0	1.23	19.8	4.838	27.705	41.125	691
789	4.583	35.000	5.64	12.7	1.21	19.3	4.520	27.730	41.174	781
890	4.414	34.991	5.80	12.6	1.18	18.9	4.344	27.742	41.200	881
991	4.256	34.985	5.90	12.6	1.04	18.8	4.179	27.755	41.226	981
1091	4.114	34.978	6.06	12.5	1.17	18.4	4.029	27.766	41.247	1080
1191	4.033	34.975	6.04	12.7	1.15	18.4	3.940	27.773	41.261	1179
1318	3.934	34.973	6.06	13.1	1.16	18.4	3.830	27.782	41.279	1304
1513	3.809	34.973	6.06	13.7	1.15	18.3	3.689	27.797	41.305	1497
1692	3.714	34.973	6.12	14.3	1.15	18.2	3.580	27.808	41.324	1673
1899	3.548	34.969	6.09	15.5	1.18	18.4	3.397	27.823	41.353	1877
2095	3.359	34.967	6.12	16.8	1.08	18.2	3.202	27.840	41.385	2069
2270	3.216	34.960	6.09	17.8	1.11	17.8	3.034	27.850	41.409	2241
2523	3.000	34.947	6.12	19.2	1.14	18.1	2.798	27.861	41.439	2489

ENDEAVOR 88 STA- 17
DATE 10/ 8/82

LAT= 37 0.4N LON= 73 41.1W

SONIC DEPTH= 2630m

PR	T	S	O2	θ	SIG-8	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	26.834	33.741	4.95	26.833	21.825	28.067	34.107	0.018	15.94	3
25	21.247	35.280	6.02	21.242	24.642	30.984	37.119	0.127	19.94	25
50	15.794	35.365	5.78	15.787	26.078	32.551	38.811	0.189	10.43	50
75	13.956	35.413	4.60	13.945	26.518	33.041	39.349	0.231	5.34	74
100	13.430	35.487	4.52	13.415	26.686	33.223	39.544	0.267	3.63	99
150	13.136	35.592	4.62	13.115	26.829	33.374	39.702	0.332	2.38	149
200	12.817	35.604	4.23	12.789	26.904	33.458	39.795	0.394	2.31	198
250	11.935	35.533	3.50	11.903	27.022	33.603	39.966	0.451	3.14	248
300	10.379	35.332	3.16	10.343	27.152	33.793	40.194	0.503	3.17	298
350	8.807	35.172	3.36	8.769	27.290	33.973	40.435	0.548	2.72	347
400	7.774	35.111	3.80	7.734	27.401	34.120	40.615	0.588	2.74	397
450	7.001	35.076	4.17	6.958	27.485	34.231	40.752	0.623	2.57	446
500	6.117	35.035	4.64	6.072	27.571	34.349	40.902	0.654	2.01	496
600	5.281	35.010	5.17	5.231	27.656	34.466	41.048	0.708	1.42	595
700	4.959	35.021	5.42	4.931	27.700	34.521	41.113	0.757	1.05	694
800	4.692	35.010	5.65	4.627	27.726	34.559	41.162	0.804	0.97	793
900	4.415	34.991	5.84	4.344	27.742	34.585	41.200	0.849	0.74	891
1000	4.323	34.991	5.90	4.244	27.753	34.600	41.218	0.894	0.68	990
1200	4.072	34.981	5.99	3.978	27.773	34.631	41.259	0.982	0.59	1188
1400	3.935	34.976	6.09	3.825	27.786	34.649	41.283	1.071	0.52	1385
1600	3.815	34.976	6.10	3.687	27.800	34.669	41.307	1.150	0.57	1582
1800	3.679	34.976	6.12	3.535	27.815	34.690	41.334	1.249	0.57	1779
2000	3.506	34.971	6.09	3.346	27.829	34.712	41.364	1.338	0.63	1976
2200	3.355	34.956	6.14	3.178	27.842	34.731	41.389	1.426	0.65	2172
2400	3.129	34.956	6.11	2.936	27.856	34.755	41.423	1.512	0.68	2369
2600	2.840	34.943	6.17	2.633	27.873	34.785	41.464	1.596	0.80	2565
2653	2.825	34.942	6.14	2.613	27.874	34.786	41.466	1.618	0.49	2617

PR	T	S	O2	SIL	PHOS	N33	θ	SIG-8	SIG-3	DE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
13	26.414	33.666	4.91				26.411	21.901	34.200	13
102	13.557	35.637	4.33	0.7	0.10	0.1	13.643	26.755	39.598	101
200	12.722	35.601	4.19	5.1	0.57	11.6	12.694	26.921	39.817	198
249	11.869	35.524	3.56	6.9	0.87	14.4	11.837	27.028	39.976	247
299	10.395	35.338	3.24	8.9	1.06	17.2	10.359	27.154	40.194	297
398	7.949	35.117	3.65	13.1	1.42	22.1	7.908	27.380	40.582	395
500	6.205	35.035	4.53	15.6	1.58	23.2	6.151	27.560	40.884	495
598	5.282	35.008	5.13	14.5	1.42	20.7	5.233	27.654	41.046	593
697	5.050	35.018	5.35	13.4	1.32	19.6	4.993	27.691	41.099	691
799	4.653	35.004	5.62	13.1	1.28	19.0	4.599	27.725	41.163	791
895	4.406	34.988	5.93	12.9	1.24	18.5	4.336	27.741	41.199	887
1094	4.183	34.985	5.93	12.4	1.21	18.0	4.097	27.764	41.241	1083
1189	4.052	34.977	5.98	12.5	1.19	17.7	3.959	27.771	41.258	1177
1391	3.934	34.980	6.05	12.8	1.20	17.7	3.824	27.789	41.286	1376
1591	3.810	34.971	6.06	13.1	1.19	17.6	3.683	27.796	41.304	1573
1791	3.680	34.972	6.06	13.6	1.19	17.5	3.537	27.811	41.331	1770
1994	3.526	34.971	6.07	14.7	1.20	17.6	3.366	27.827	41.360	1969
2196	3.365	34.961	6.04	15.5	1.18	17.4	3.188	27.836	41.383	2169
2399	3.133	34.955	6.09	16.9	1.16	17.2	2.941	27.855	41.421	2368
2652	2.826			18.4	1.19	17.6				2616

ENDEAVOR 88 STA- 18 LAT= 36 52.7N LON= 73 43.6W SONIC DEPTH= 2710m
DATE 11/ 8/82

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	27.457		4.79							3
25	23.981		4.60							25
50	16.032		4.23							50
75	15.704		4.89							74
100	15.677		4.99							99
150	15.619		5.09							149
200	15.610		5.17							198
250	15.349		5.17							248
300	12.980		3.83							298
350	10.965		3.32							347
400	9.381		3.38							397
450	8.156		3.61							446
500	7.043		4.12							496
600	5.752		4.84							595
700	5.128		5.33							694
800	4.754		5.59							793
900	4.479		5.76							891
1000	4.397		5.83							990
1200	4.073		6.02							1188
1400	3.944		6.07							1385
1600	3.821	34.978	6.09	3.694	27.800	34.669	41.308	39.322	0.63	1582
1800	3.652	34.975	6.09	3.508	27.817	34.693	41.339	39.410	0.61	1779
2000	3.510	34.972	6.11	3.349	27.830	34.712	41.364	39.499	0.57	1976
2200	3.322	34.965	6.13	3.145	27.844	34.734	41.394	39.586	0.64	2172
2400	3.106	34.955	6.14	2.913	27.857	34.757	41.426	39.673	0.73	2369
2600	2.839	34.943	6.22	2.632	27.873	34.785	41.464	39.756	0.79	2565
2739	2.659	34.934	6.10	2.442	27.882	34.802	41.489	39.812	0.40	2701

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
14	27.411	35.893	4.87	1.1	0.05	0.2	27.408	23.261	35.488	14
101	15.680	36.261	5.06	3.1	0.36	6.7	15.664	26.796	39.519	100
199	15.608	36.238	5.12	3.0	0.36	6.7	15.577	26.798	39.526	198
298	13.021	35.759	3.97	7.2	0.89	14.7	12.979	26.986	39.863	295
398	9.575	35.247	3.30	14.5	1.50	22.8	9.529	27.225	40.319	395
498	7.027	35.073	4.08	15.2	1.50	22.0	6.979	27.480	40.746	494
596	5.673	35.027	4.87	13.9	1.40	19.7	5.622	27.622	40.985	591
700	5.089	35.028	5.33	13.1	1.30	18.9	5.031	27.694	41.100	694
798	4.753	35.014	5.58	12.7	1.25	18.2	4.689	27.722	41.154	790
897	4.469	34.994	5.78	12.6	1.22	17.9	4.397	27.739	41.192	889
997	4.351	34.994	5.83	12.6	1.22	17.7	4.272	27.753	41.216	987
1096	4.192	34.982	5.94	12.5	1.21	17.6	4.106	27.761	41.237	1085
1298	4.071	34.976	6.04	12.7	1.19	17.4	3.899	27.778	41.269	1284
1493	3.868	34.976	6.07	13.4	1.20	17.3	3.750	27.793	41.296	1477
1657	3.775	34.979	6.08	13.9	1.20	17.4	3.643	27.806	41.318	1639
1893	3.576	34.976	6.14	15.2	0.98	17.3	3.425	27.826	41.354	1870
2094	3.443	34.972	6.13				3.275	27.837	41.377	2068
2286	3.251	34.965	6.13	17.4	1.04	17.1	3.068	27.851	41.407	2256
2739	2.650	34.930	6.21				2.443	27.879	41.485	2701

ENDEAVOR 88 STA- 19
DATE 11/ 8/82

LAT= 36 45.0N LON= 73 46.0W

SONIC DEPTH= 2745m

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	27.253	34.324	4.81	27.252	22.130	28.359	34.387	0.017	17.79	3
25	26.803	36.139	4.98	26.797	23.643	29.865	35.887	0.127	16.51	25
50	20.228	36.357	3.86	20.218	25.740	32.095	38.243	0.204	12.81	50
75	15.857	36.121	4.38	15.845	26.647	33.111	39.363	0.248	8.11	74
100	15.718	36.265	4.95	15.703	26.790	33.257	39.511	0.281	0.76	99
150	15.698	36.260	5.01	15.674	26.793	33.261	39.516	0.345	0.25	149
200	15.669	36.251	5.08	15.638	26.794	33.263	39.519	0.411	0.37	198
250	15.532	36.239	5.16	15.593	26.795	33.265	39.522	0.477	0.75	248
300	14.107	35.910	4.44	14.063	26.878	33.392	39.692	0.543	3.64	298
350	11.355	35.457	3.39	11.320	27.081	33.680	40.061	0.601	3.59	347
400	9.626	35.252	3.31	9.580	27.221	33.876	40.311	0.650	2.90	397
450	8.154	35.129	3.59	8.137	27.355	34.050	40.541	0.694	2.91	446
500	7.230	35.080	4.02	7.181	27.457	34.195	40.709	0.732	2.80	496
600	5.738	35.038	4.86	5.686	27.622	34.415	40.980	0.793	1.80	595
700	5.107	35.025	5.32	5.049	27.690	34.506	41.094	0.844	1.29	694
800	4.749	35.009	5.56	4.685	27.719	34.549	41.151	0.891	0.88	793
900	4.479	34.993	5.75	4.408	27.737	34.578	41.190	0.937	0.80	891
1000	4.306	34.986	5.86	4.228	27.751	34.599	41.217	0.982	0.67	990
1200	4.056	34.972	5.99	3.972	27.767	34.625	41.253	1.071	0.60	1188
1400	3.931	34.975	6.03	3.820	27.785	34.649	41.283	1.160	0.59	1385
1600	3.812	34.975	6.07	3.685	27.799	34.668	41.307	1.249	0.61	1582
1800	3.657	34.977	6.07	3.523	27.816	34.692	41.337	1.338	0.57	1779
2000	3.498	34.973	6.08	3.338	27.832	34.715	41.367	1.426	0.61	1976
2200	3.347	34.966	6.12	3.170	27.842	34.732	41.391	1.514	0.61	2172
2400	3.142	34.957	6.13	2.949	27.856	34.754	41.421	1.601	0.60	2369
2600	2.878	34.945	6.18	2.670	27.871	34.781	41.459	1.686	0.90	2565
2757	2.696	34.935	6.11	2.477	27.880	34.799	41.484	1.749	0.39	2719

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	27.851	36.203	4.60	1.4	0.04	0.1	27.848	23.352	35.558	16
98	15.705	36.240	4.90	3.0	0.38	7.9	15.690	26.774	39.496	98
198	15.506	36.242	5.10	3.1	0.34	5.9	15.575	26.802	39.529	197
301	13.196	35.771	3.98	7.1	0.85	15.7	13.154	26.960	39.827	298
401	9.290	35.220	3.32	15.1	1.43	25.5	9.245	27.251	40.364	397
493	7.129	35.082	4.06	15.1	1.47	24.2	7.081	27.472	40.731	489
596	5.817	35.037	4.80	13.9	1.36	22.1	5.765	27.612	40.964	591
701	5.119	35.024	5.33	13.0	1.24	20.3	5.061	27.687	41.091	694
800	4.736	35.011	5.58	12.6	1.21	19.8	4.671	27.722	41.155	793
893	4.485	34.995	5.74	12.3	1.19	19.2	4.414	27.738	41.190	884
995	4.347	34.992	5.83	12.3	1.17	19.0	4.268	27.751	41.215	986
1094	4.218	34.987	5.90				4.132	27.762	41.236	1083
1295	3.993	34.976	6.05	12.6	1.08	18.5	3.892	27.779	41.271	1282
1494	3.854	34.974	6.09	13.1	1.09	18.5	3.745	27.792	41.295	1477
1699	3.735	34.978	6.05	13.9	1.07	18.6	3.599	27.810	41.324	1679
1893	3.604	34.975	6.09	14.9	1.07	18.6	3.453	27.822	41.348	1870
2092	3.416	34.971	6.13	14.4		11.7	3.249	27.839	41.381	2067
2292	3.253	34.961	6.16	17.3	1.02	18.5	3.079	27.847	41.402	2263
2522	3.006	34.951	6.18	18.5	0.97	18.1	2.804	27.864	41.441	2488
2757	2.697	34.932	6.27	20.2	0.98	18.0	2.477	27.878	41.481	2719

ENDEAVOR 88 STA- 20
DATE 11/ 8/82

LAT= 36 39.0N LON= 73 46.3W

SONIC DEPTH= 2760m

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	28.177	35.691	4.50	28.176	22.859	29.051	35.062	0.015	2.97	3
25	27.706	36.195	4.47	27.700	23.394	29.600	35.605	0.122	12.58	25
50	23.909	36.377	4.65	23.898	24.716	30.992	37.065	0.219	11.97	50
75	22.138	36.604	4.46	22.123	25.404	31.715	37.820	0.290	7.94	74
100	19.937	36.467	3.58	19.918	25.904	32.255	38.419	0.349	6.31	99
150	17.670	36.297	3.45	17.644	26.355	32.772	38.978	0.445	5.03	149
200	15.804	36.097	3.47	15.772	26.645	33.111	39.366	0.523	3.98	198
250	12.854	35.659	3.32	12.830	26.946	33.498	39.834	0.589	3.86	248
300	11.140	35.428	3.32	11.102	27.091	33.697	40.084	0.644	2.90	298
350	10.057	35.297	3.26	10.016	27.182	33.823	40.244	0.694	2.34	347
400	8.815	35.166	3.34	8.772	27.285	33.968	40.430	0.739	2.67	397
450	7.767	35.109	3.77	7.722	27.401	34.120	40.616	0.780	2.69	446
500	6.853	35.064	4.20	6.815	27.495	34.246	40.772	0.816	2.62	496
600	5.705	35.024	4.86	5.653	27.616	34.429	40.976	0.875	1.75	595
700	5.173	35.024	5.28	5.114	27.681	34.495	41.080	0.927	1.36	694
800	4.698	35.003	5.60	4.633	27.720	34.552	41.155	0.974	1.02	793
900	4.513	34.995	5.76	4.441	27.735	34.574	41.185	1.020	0.78	891
1000	4.311	34.982	5.87	4.232	27.747	34.595	41.214	1.065	0.64	990
1200	4.149	34.984	5.97	4.054	27.768	34.622	41.247	1.155	0.60	1188
1400	3.982	34.978	6.05	3.871	27.782	34.644	41.276	1.245	0.57	1385
1600	3.837	34.976	6.10	3.710	27.797	34.666	41.303	1.335	0.59	1582
1800	3.688	34.976	6.12	3.544	27.814	34.688	41.333	1.425	0.65	1779
2000	3.505	34.972	6.10	3.345	27.830	34.713	41.364	1.513	0.68	1976
2200	3.293	34.964	6.14	3.117	27.846	34.737	41.398	1.600	0.62	2172
2400	3.109	34.955	6.15	2.917	27.857	34.757	41.425	1.686	0.70	2369
2600	2.847	34.944	6.14	2.640	27.873	34.784	41.463	1.770	0.73	2565
2775	2.559	34.933	6.16	2.438	27.882	34.802	41.489	1.840	0.33	2737

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
99	19.896	36.540	3.94	2.6	0.30	5.0	19.877	25.971	38.486	98
197	15.775	36.104	3.62	5.7	0.72	14.8	15.744	26.657	39.379	196
298	11.055	35.441	3.42	11.9	1.27	23.4	11.048	27.111	40.107	295
391	8.869	35.182	3.41	16.1	1.50	27.7	8.826	27.289	40.429	388
492	6.879	35.073	4.10	15.0	1.46	25.5	6.832	27.500	40.776	488
594	5.632	35.023	4.90	13.9	1.33	22.9	5.581	27.624	40.990	589
695	5.126	35.022	5.29	13.3	1.26	21.8	5.068	27.685	41.088	689
770	4.803	35.007	5.52	12.9	1.20	21.1	4.741	27.711	41.138	763
882	4.541	34.995	5.64	12.5	1.19	20.5	4.471	27.732	41.180	873
1089	4.235	34.984	5.82	12.6	1.12	20.0	4.149	27.758	41.230	1078
1293	4.059	34.989	5.94	13.3	1.16	19.7	3.957	27.782	41.269	1280
1484	3.923	34.980		14.1	1.16	19.5	3.785	27.793	41.293	1468
1689	3.759	34.977	6.06	15.2	1.16	19.5	3.625	27.807	41.319	1670
1894	3.623	34.978	6.11	16.5	1.18	19.7	3.452	27.825	41.351	1871
2094	3.397	34.965	6.12	17.9	1.19	19.6	3.220	27.837	41.381	2068
2295	3.217	34.960	6.13	18.5	1.17	19.1	3.033	27.850	41.409	2265
2495	2.979	34.950	6.17	20.7	1.16	19.2	2.780	27.865	41.445	2461
2692	2.575	34.937	6.23	20.8	1.11	18.7	2.462	27.883	41.488	2655
2777	2.659	34.936	6.16				2.439	27.884	41.491	2738

ENDAVOR 98 STA- 21
DATE 13/ 8/82

LAT= 36 55.3N LON= 73 30.0W

SONIC DEPTH= 2840m

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	27.653	34.929	4.58	27.663	22.453	28.670	34.687	0.005	9.57	1
25	25.313	36.327	5.12	25.307	24.252	30.501	36.548	0.118	18.22	25
50	20.259	36.460	3.73	20.280	25.803	32.155	38.301	0.188	10.51	50
75	18.634	36.446	3.57	18.621	26.225	32.616	38.799	0.237	6.41	74
100	17.461	36.400	4.30	17.444	26.483	32.903	39.114	0.279	3.43	99
150	15.531	36.151	4.37	15.477	26.754	33.227	39.488	0.354	4.43	149
200	15.602	36.233	5.12	15.571	26.796	33.256	39.524	0.419	0.45	198
250	15.611	36.233	5.28	15.571	26.796	33.256	39.524	0.485	0.17	248
300	15.253	36.153	5.19	15.236	26.809	33.239	39.557	0.552	2.45	298
350	12.423	35.618	3.68	12.375	26.997	33.562	39.911	0.614	3.27	347
400	10.413	35.340	3.39	10.365	27.155	33.784	40.195	0.668	3.34	397
450	8.695	35.161	3.48	8.647	27.301	33.939	40.454	0.715	3.33	446
500	7.270	35.084	4.08	7.221	27.454	34.191	40.704	0.754	3.02	496
600	5.557	35.009	4.96	5.516	27.621	34.420	40.992	0.815	1.82	595
700	5.123	35.009	5.30	5.065	27.675	34.491	41.079	0.867	1.30	694
800	4.842	35.015	5.55	4.777	27.713	34.540	41.138	0.915	1.06	793
900	4.583	35.006	5.75	4.511	27.736	34.573	41.181	0.961	0.90	891
1000	4.355	34.994	5.89	4.276	27.752	34.598	41.215	1.006	0.68	990
1200	4.123	34.984	6.02	4.029	27.770	34.626	41.252	1.095	0.59	1188
1400	3.967	34.979	6.05	3.856	27.785	34.647	41.280	1.185	0.59	1385
1600	3.829	34.978	6.11	3.701	27.800	34.658	41.307	1.274	0.57	1582
1800	3.574	34.976	6.14	3.530	27.815	34.691	41.335	1.363	0.64	1779
2000	3.499	34.972	6.13	3.329	27.832	34.715	41.367	1.451	0.63	1976
2200	3.327	34.967	6.15	3.150	27.845	34.735	41.394	1.538	0.60	2172
2400	3.142	34.957	6.18	2.950	27.855	34.754	41.421	1.625	0.66	2369
2600	2.934	34.947	6.23	2.725	27.868	34.776	41.452	1.710	0.69	2565
2800	2.596	34.930	6.25	2.374	27.885	34.807	41.497	1.792	0.91	2761
2863	2.501	34.925	6.23	2.275	27.889	34.815	41.509	1.816	0.19	2823

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	27.679	35.783	4.90	1.0	0.10	0.1	27.677	23.091	35.310	9
103	17.158	36.385	4.52	2.5	0.31	7.2	17.141	26.545	39.191	102
206	15.796	36.264	5.06	3.0	0.32	7.2	15.673	26.796	39.519	204
301	15.593	36.231	5.18	3.1	0.35	7.5	15.546	26.800	39.529	299
400	10.487	35.331	3.23	13.6	1.45	26.2	10.438	27.135	40.170	397
495	7.521	35.094	3.86	15.4	1.54	26.8	7.472	27.426	40.658	490
599	5.591	35.004	4.98	13.7	1.39	23.2	5.539	27.614	40.983	593
699	5.121	34.998	5.36	13.1	1.31	21.9	5.063	27.666	41.071	692
798	4.759	35.012	5.62	12.7	1.25	21.0	4.694	27.720	41.151	790
906	4.479	34.994		12.4	1.13	20.5	4.407	27.738	41.191	897
1097	4.258	34.992	5.98	12.5	1.19	20.2	4.181	27.761	41.231	1086
1249	4.084	34.974		12.6	1.22	20.0	3.985	27.767	41.252	1236
1492	3.914	34.978	6.21	13.1	1.19	19.9	3.795	27.790	41.290	1476
1690	3.765	34.972	6.22	12.5	1.09	17.5	3.630	27.802	41.314	1671
1855	3.622	34.976	6.22	14.9	1.18	19.9	3.473	27.821	41.345	1843
2093	3.431	34.968	6.23	16.5	1.23	19.8	3.253	27.835	41.376	2067
2292	3.257	34.959	6.31	17.7	1.25	19.8	3.073	27.846	41.402	2262
2494	3.044	34.957	6.36	16.3	1.09	16.9	2.844	27.865	41.439	2461
2646	2.855	34.949	6.33	19.2	1.15	19.3	2.653	27.876	41.465	2610
2863	2.501	34.916	6.25	23.0	1.25	19.4	2.275	27.882	41.502	2822

ENDEAVOR 88 STA- 23
DATE 14/ 8/82

LAT= 37 2.3N LON= 73 46.8W

SONIC DEPTH= 2520m

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	27.218	35.382	4.48	27.217	22.938	29.159	35.180	0.015	10.70	3
25	24.452	36.441	4.96	24.457	24.598	30.862	36.924	0.111	17.10	25
50	19.950	36.442	3.65	19.941	25.879	32.240	38.393	0.177	9.96	50
75	17.638	36.310	3.37	17.625	26.370	32.787	38.994	0.223	6.33	74
100	16.944	36.307	4.17	16.927	26.537	32.971	39.195	0.263	4.26	99
150	15.733	36.247	5.00	15.709	26.775	33.242	39.496	0.333	1.66	149
200	15.631	36.220	5.05	15.599	26.780	33.249	39.507	0.399	0.35	198
250	15.434	36.169	5.12	15.395	26.786	33.262	39.525	0.466	3.00	248
300	12.226	35.552	3.37	12.186	26.990	33.562	39.917	0.527	3.45	298
350	10.178	35.307	3.39	10.137	27.168	33.806	40.223	0.580	3.57	347
400	8.227	35.122	3.58	8.186	27.342	34.045	40.525	0.624	3.31	397
450	7.139	35.076	4.12	7.095	27.466	34.207	40.724	0.661	2.63	446
500	6.355	35.043	4.48	6.310	27.547	34.316	40.860	0.694	2.14	496
600	5.293	35.010	5.17	5.243	27.654	34.454	41.045	0.749	1.58	595
700	4.909	35.010	5.51	4.852	27.701	34.525	41.120	0.798	1.12	694
800	4.646	35.000	5.72	4.582	27.723	34.558	41.163	0.844	0.87	793
900	4.404	34.988	5.87	4.333	27.741	34.585	41.199	0.889	0.78	891
1000	4.268	34.981	5.94	4.189	27.751	34.601	41.221	0.934	0.69	990
1200	4.051	34.974	6.09	3.967	27.769	34.627	41.256	1.023	0.57	1188
1400	3.888	34.972	6.10	3.778	27.787	34.652	41.288	1.111	0.63	1385
1600	3.736	34.972	6.16	3.609	27.804	34.676	41.318	1.199	0.51	1582
1800	3.617	34.971	6.15	3.474	27.817	34.694	41.341	1.287	0.61	1779
2000	3.413	34.966	6.17	3.254	27.834	34.720	41.376	1.375	0.61	1976
2200	3.291	34.961	6.12	3.115	27.844	34.735	41.396	1.461	0.52	2172
2400	3.095	34.953	6.21	2.903	27.857	34.757	41.426	1.547	0.73	2369
2525	2.964	34.947	6.14	2.762	27.865	34.771	41.445	1.600	0.53	2491

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NH3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
100	16.835	36.323	4.34				16.819	26.575	39.238	99
200	15.630	36.248	5.26				15.598	26.801	39.527	199
300	11.997	35.570	3.53				11.958	27.041	39.980	297
399	8.313	35.149	3.64				8.271	27.350	40.528	396
499	6.386	35.052	4.51				6.341	27.550	40.861	495
599	5.455	35.019	5.12				5.415	27.641	41.019	593
697	5.007	35.020	5.47				4.950	27.697	41.109	691
796	4.621	35.007	5.81				4.557	27.732	41.173	789
899	4.432	34.992	5.90				4.361	27.741	41.198	890
996	4.305	34.991	5.98				4.226	27.755	41.222	986
1096	4.172	34.988	6.01				4.086	27.768	41.245	1085
1196	4.035	34.978	6.12				3.991	27.770	41.254	1184
1296	3.994	34.981	6.22				3.892	27.782	41.275	1282
1497	3.830	34.975	6.24				3.712	27.796	41.302	1480
1695	3.705	34.974	6.23				3.570	27.810	41.327	1675
1894	3.526	34.973	6.23				3.376	27.828	41.360	1871
2088	3.346	34.969	6.31				3.180	27.844	41.391	2062
2292	3.223	34.950	6.37				3.039	27.850	41.408	2262
2521	2.955	34.950	6.27				2.763	27.867	41.447	2488

ENDEAVOR 88 STA- 24 LAT= 37 24.8N LON= 73 60.0W SONIC DEPTH= 1625m
DATE 15/ 8/82

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
43	18.453	35.972	7.45	18.445	25.907	32.307	38.498	0.090	6.62	43
50	17.488	35.859	6.64	17.480	26.059	32.484	38.698	0.105	11.20	50
75	13.962	35.544	4.64	13.951	26.619	33.140	39.446	0.145	4.83	74
100	13.366	35.555	4.91	13.352	26.752	33.290	39.613	0.179	2.93	99
150	13.010	35.581	4.78	12.990	26.846	33.394	39.726	0.243	2.71	149
200	11.995	35.524	3.49	11.969	27.003	33.582	39.943	0.302	3.33	198
250	10.357	35.325	3.41	10.327	27.150	33.781	40.192	0.353	2.67	248
300	9.454	35.230	3.41	9.420	27.230	33.891	40.331	0.400	2.74	298
350	8.130	35.127	3.66	8.094	27.360	34.066	40.549	0.441	2.60	347
400	7.130	35.072	4.10	7.091	27.463	34.204	40.721	0.478	2.56	397
450	6.205	35.032	4.57	6.165	27.557	34.332	40.881	0.509	2.40	446
500	5.592	35.011	4.92	5.550	27.618	34.416	40.986	0.537	1.66	496
600	5.023	34.991	5.34	4.974	27.671	34.491	41.082	0.588	1.08	595
700	4.717	34.980	5.59	4.661	27.698	34.530	41.132	0.636	0.89	694
800	4.540	34.974	5.73	4.477	27.714	34.553	41.162	0.683	0.78	793
900	4.360	34.971	5.88	4.290	27.733	34.578	41.195	0.729	0.76	891
1000	4.276	34.970	5.93	4.197	27.741	34.591	41.210	0.774	0.64	990
1200	4.132	34.969	6.02	4.037	27.758	34.613	41.239	0.865	0.54	1188
1400	3.996	34.968	6.11	3.884	27.773	34.635	41.266	0.957	0.63	1385
1600	3.906	34.970	6.02	3.778	27.786	34.651	41.287	1.048	0.30	1582
1621	3.906	34.971	6.03	3.776	27.787	34.652	41.288	1.058	0.39	1603

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
14	20.806	34.630		1.1	0.16	0.1	20.803	24.267	36.775	14
102	13.434	35.619	5.00	3.9	0.54	10.1	13.420	26.787	39.643	101
201	12.037	35.555	3.58	9.8	1.19	21.4	12.010	27.019	39.956	200
297	9.446	35.252	3.39	14.6	1.53	27.1	9.412	27.249	40.350	295
400	6.930	35.074	4.23	15.2	1.51	26.2	6.892	27.492	40.765	397
497	5.540	35.017	4.99	14.0	1.38	23.5	5.498	27.629	41.001	493
600	5.031	34.997	5.43	13.5	1.32	21.6	4.982	27.675	41.085	594
694	4.692	34.985	5.67	12.8	1.33	21.1	4.636	27.705	41.141	688
791	4.533	34.978	5.80	12.9	1.26	20.3	4.471	27.718	41.167	783
896	4.369	34.978	5.97	12.8	1.24	20.2	4.298	27.737	41.198	887
1109	4.183	34.972	6.03				4.096	27.754	41.231	1098
1106	4.186	34.973	6.09	12.8	1.20	19.9	4.099	27.754	41.231	1095
1293	4.064	34.973	6.15	12.8	1.24	19.8	3.962	27.769	41.256	1279
1484	3.925	34.976	6.27	13.3	1.21	19.4	3.808	27.787	41.286	1467
1484	3.924	34.977	6.11	13.2	1.20	19.6	3.807	27.788	41.287	1468
1622	3.907	34.977	6.19	13.6	1.26	19.9	3.776	27.791	41.292	1604

ENDEAVOR 88 STA- 25 LAT= 37 17.9N LON= 73 53.6W SONIC DEPTH= 2125m
DATE 15/ 8/82

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	26.712	33.797	4.87	26.711	21.906	28.150	34.191	0.018	22.68	3
25	22.389	35.795	5.55	22.383	24.715	31.028	37.135	0.118	18.02	25
50	16.246	35.391	5.84	16.238	25.995	32.456	38.705	0.178	9.43	50
75	13.704	35.412	4.61	13.693	26.570	33.100	39.415	0.221	6.27	74
100	13.527	35.540	4.53	13.513	26.707	33.241	39.559	0.256	3.52	99
150	13.058	35.590	4.52	13.047	26.841	33.338	39.718	0.320	2.47	149
200	12.255	35.554	3.85	12.229	26.976	33.547	39.900	0.380	2.89	198
250	10.491	35.346	3.38	10.460	27.142	33.769	40.176	0.432	3.24	248
300	8.918	35.180	3.45	8.885	27.278	33.957	40.415	0.478	2.96	298
350	7.733	35.107	3.81	7.698	27.403	34.123	40.620	0.517	2.61	347
400	6.923	35.056	4.20	6.886	27.487	34.236	40.760	0.552	2.42	397
450	6.148	35.034	4.57	6.108	27.566	34.343	40.894	0.583	1.87	446
500	5.622	35.014	4.93	5.579	27.617	34.414	40.984	0.611	1.61	496
600	4.958	34.985	5.39	4.940	27.671	34.492	41.084	0.661	1.21	595
700	4.701	34.976	5.61	4.645	27.697	34.529	41.132	0.709	0.91	694
800	4.535	34.979	5.77	4.471	27.719	34.558	41.168	0.756	0.80	793
900	4.371	34.975	5.88	4.301	27.735	34.580	41.196	0.801	0.74	891
1000	4.238	34.972	5.97	4.160	27.747	34.598	41.219	0.846	0.70	990
1200	4.038	34.969	6.07	3.944	27.768	34.627	41.256	0.935	0.61	1188
1400	3.931	34.959	6.09	3.791	27.784	34.649	41.284	1.024	0.64	1385
1600	3.783	34.973	6.11	3.656	27.800	34.670	41.310	1.113	0.55	1582
1800	3.650	34.973	6.10	3.516	27.814	34.690	41.336	1.202	0.55	1779
2000	3.531	34.970	6.13	3.371	27.826	34.708	41.359	1.291	0.54	1976
2123	3.483	34.968	6.12	3.311	27.831	34.715	41.368	1.346	0.23	2097

PR	T	S	O2	SIL	PHOS	NH3	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
11	26.097	35.248	5.11	0.8	0.02	0.1	26.094	23.193	35.477	11
99	13.641	35.563	4.58	4.1	0.57	11.3	13.627	26.701	39.546	98
200	12.259	35.568	3.81	8.3	1.00	18.9	12.233	26.986	39.910	198
301	9.116	35.214	3.28	14.7	1.54	27.1	9.083	27.273	40.396	298
398	7.070	35.083	4.05	14.4	1.47	25.6	7.032	27.480	40.742	395
498	5.909	35.027	4.71	13.5	1.39	23.3	5.855	27.591	40.937	494
597	5.119	34.993	5.30	12.5	1.18	21.5	5.070	27.662	41.065	592
698	4.741	34.993	5.60	11.9	1.20	20.6	4.685	27.706	41.138	691
812	4.478	34.981	5.83	11.7	1.14	20.0	4.414	27.727	41.179	805
899	4.359	34.979	5.89	11.6	1.12	19.7	4.289	27.739	41.201	890
1000	4.247	34.979	6.13	11.6	1.12	19.5	4.168	27.752	41.223	990
998	4.247	34.973	6.00	11.6	1.11	19.5	4.159	27.747	41.218	988
1095	4.150	34.974	6.00	10.8	1.07	17.8	4.065	27.759	41.238	1084
1290	3.985	34.972	6.10	11.9	1.13	19.0	3.884	27.776	41.269	1276
1495	3.842	34.974	6.13	12.8	1.12	18.6	3.724	27.794	41.299	1478
1692	3.736	34.976	6.14	13.5	1.12	18.9	3.602	27.808	41.323	1673
1875	3.620	34.978	6.16	14.4	1.13	19.1	3.470	27.823	41.347	1852
1877	3.619	34.978	6.10	13.4	1.04	17.3	3.469	27.823	41.348	1854
2123	3.434	34.978	6.17	15.5	1.13	18.8	3.313	27.838	41.375	2097

ENDEAVOR 88 STA- 26
DATE 15/ 8/82

LAT= 37 11.9N LON= 73 49.7W

SONIC DEPTH= 2285m

PR	T	S	O2	Θ	SIG-Θ	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	27.319	34.986	4.77	27.318	22.607	28.830	34.852	0.016	12.06	3
25	23.065	36.266	4.66	23.060	24.879	31.173	37.263	0.112	18.99	25
50	19.707	36.383	3.66	19.198	26.028	32.407	38.577	0.171	7.97	50
75	17.522	36.282	3.50	17.509	26.376	32.797	39.007	0.216	5.31	74
100	16.611	36.175	3.34	16.595	26.514	32.958	39.191	0.256	4.27	99
150	14.558	35.892	3.35	14.536	26.763	33.264	39.552	0.327	3.94	149
200	13.104	35.727	3.95	13.076	26.941	33.486	39.814	0.389	2.51	198
250	11.672	35.497	3.42	11.639	27.045	33.633	40.004	0.445	2.86	248
300	10.097	35.299	3.33	10.062	27.175	33.815	40.235	0.496	3.19	298
350	8.587	35.156	3.54	8.550	27.313	34.003	40.472	0.540	2.93	347
400	7.605	35.098	3.83	7.565	27.416	34.141	40.642	0.578	2.40	397
450	6.824	35.061	4.22	6.782	27.498	34.250	40.778	0.613	2.26	446
500	6.171	35.034	4.55	6.126	27.564	34.340	40.890	0.644	1.90	496
600	5.311	35.007	5.17	5.251	27.650	34.459	41.040	0.698	1.50	595
700	4.796	34.983	5.56	4.740	27.692	34.520	41.120	0.747	1.05	694
800	4.579	34.980	5.74	4.515	27.715	34.552	41.160	0.794	0.94	793
900	4.408	34.981	5.87	4.337	27.735	34.579	41.193	0.840	0.80	891
1000	4.252	34.973	5.97	4.174	27.747	34.597	41.217	0.885	0.66	990
1200	4.038	34.969	6.08	3.944	27.768	34.627	41.256	0.975	0.65	1188
1400	3.904	34.970	6.14	3.794	27.784	34.649	41.283	1.063	0.59	1385
1600	3.770	34.972	6.16	3.643	27.801	34.672	41.312	1.152	0.58	1582
1800	3.645	34.974	6.15	3.501	27.816	34.693	41.339	1.241	0.62	1779
2000	3.435	34.967	6.15	3.276	27.833	34.718	41.373	1.328	0.64	1976
2200	3.294	34.962	6.17	3.118	27.844	34.736	41.396	1.415	0.46	2172
2299	3.274	34.961	6.06	3.089	27.846	34.739	41.400	1.458	0.16	2270

PR	T	S	O2	SIL	PHOS	NO3	Θ	SIG-Θ	SIG-3	NE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
95	16.630	36.192	3.42				16.615	26.522	39.198	94
194	13.227	35.765	3.95	7.4	0.84	16.2	13.200	26.946	39.811	192
293	10.444	35.350	3.34	12.9	1.30	24.2	10.408	27.155	40.192	291
393	7.624	35.105	3.75	15.5	1.53	26.0	7.585	27.418	40.642	390
494	6.118	35.033	4.57	14.3	1.35	23.6	6.074	27.569	40.900	489
594	5.229	35.001	5.22	13.2	1.30	21.7	5.180	27.655	41.051	588
694	4.794	34.984	5.55				4.738	27.693	41.121	688
795	4.513	34.978	5.76	12.3	1.17	21.1	4.450	27.720	41.170	788
894	4.369	34.978	5.88	12.1		20.1	4.299	27.737	41.198	886
995	4.217	34.974	5.97	11.9	1.02	19.7	4.139	27.751	41.224	986
1091	4.148	34.971	6.00	12.2	0.97	19.4	4.063	27.757	41.236	1080
1191	4.079	34.969	6.07	12.3	1.08	19.0	3.936	27.768	41.257	1179
1292	3.939	34.968	6.10	11.4	1.02	16.9	3.838	27.778	41.274	1278
1392	3.907	34.971	6.12	12.9	1.11	18.3	3.797	27.784	41.284	1377
1492	3.837	34.972	6.12	13.2	1.04	18.7	3.719	27.793	41.299	1476
1592	3.708	34.971	6.12	14.4	1.05	18.8	3.574	27.807	41.324	1672
1860	3.592	34.971	6.13	15.4	1.10	18.6	3.444	27.820	41.346	1838
2092	3.359	34.963	6.12	17.1	0.96	18.4	3.192	27.838	41.384	2066
2298	3.274	34.959	6.15	17.9	1.07	19.7	3.089	27.844	41.399	2268

ENDEAVOR 88 STA- 27 LAT= 37 7.8N LON= 73 47.1W SONIC DEPTH= 2405m
DATE 15/ 8/82

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	27.378	35.219	4.74	27.377	22.764	28.983	35.002	0.015	9.72	3
25	23.886	36.204	5.02	23.881	24.591	30.868	36.943	0.115	19.14	25
50	19.495	36.406	3.72	19.486	25.972	32.343	38.507	0.177	8.54	50
75	17.920	36.330	3.68	17.907	26.315	32.725	38.925	0.224	5.68	74
100	16.707	36.195	3.65	16.690	26.507	32.948	39.179	0.265	4.48	99
150	14.934	35.959	3.56	14.911	26.732	33.222	39.500	0.336	3.58	149
200	13.159	35.698	3.39	13.131	26.908	33.451	39.778	0.399	3.01	198
250	11.826	35.530	3.49	11.793	27.041	33.625	39.991	0.456	2.91	248
300	10.321	35.325	3.36	10.285	27.157	33.790	40.202	0.507	2.89	298
350	8.784	35.168	3.47	8.746	27.291	33.975	40.437	0.553	3.14	347
400	7.454	35.091	3.95	7.415	27.432	34.162	40.668	0.592	3.13	397
450	6.366	35.042	4.51	6.325	27.544	34.313	40.856	0.624	2.07	446
500	5.719	35.008	4.88	5.676	27.600	34.393	40.959	0.653	1.72	496
600	5.056	34.986	5.34	5.007	27.663	34.482	41.072	0.705	1.19	595
700	4.807	34.989	5.57	4.750	27.695	34.523	41.123	0.754	1.02	694
800	4.544	34.979	5.78	4.481	27.718	34.556	41.166	0.800	0.86	793
900	4.406	34.979	5.88	4.335	27.734	34.578	41.193	0.846	0.82	891
1000	4.224	34.971	6.00	4.146	27.748	34.599	41.221	0.891	0.68	990
1200	4.047	34.969	6.08	3.953	27.767	34.625	41.254	0.980	0.61	1188
1400	3.916	34.969	6.13	3.806	27.782	34.647	41.281	1.069	0.58	1385
1600	3.778	34.973	6.13	3.652	27.801	34.671	41.311	1.158	0.61	1582
1800	3.635	34.974	6.14	3.492	27.817	34.694	41.340	1.247	0.66	1779
2000	3.414	34.969	6.15	3.255	27.836	34.723	41.378	1.334	0.69	1976
2200	3.198	34.960	6.17	3.023	27.851	34.746	41.411	1.419	0.64	2172
2400	3.016	34.952	6.13	2.826	27.863	34.766	41.438	1.503	0.59	2369
2405	3.012	34.952	6.15	2.821	27.863	34.767	41.439	1.505	0.24	2374

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
6	27.642	35.486	4.80				27.641	22.879	35.104	6
100	16.573	36.230	3.63	0.8		0.1	16.557	26.565	39.243	99
196	12.657			4.5	0.48	12.0				194
298	9.892	35.279	3.24	14.7	1.34	26.5	9.857	27.195	40.268	295
397	7.145	35.079	3.93	15.9	1.41	26.3	7.107	27.466	40.724	393
497	5.730	35.008	4.82	14.4	1.30	23.3	5.687	27.599	40.957	492
593	5.004	34.984	5.30	13.5	1.21	21.9	4.956	27.668	41.080	588
695	4.741	34.981	5.57	13.1	0.96	20.6	4.686	27.696	41.129	688
795	4.534	34.978	5.75	12.9	1.14	20.3	4.471	27.718	41.166	788
896	4.396	34.977	5.83	12.7	1.08	20.1	4.326	27.733	41.193	887
997	4.224	34.972	5.93	12.7	1.14	20.1	4.146	27.749	41.222	987
1099	4.114	34.967	6.00	12.8	1.08	19.9	4.029	27.757	41.239	1088
1197	4.040	34.967	6.07	13.0	1.12	20.8	3.947	27.766	41.254	1185
1294	3.967	34.973	6.06	13.2	1.14	19.5	3.866	27.779	41.273	1280
1403	3.895	34.968	6.09	13.6	1.13	19.0	3.785	27.783	41.284	1388
1596	3.770	34.971	6.08	14.5	1.13	19.1	3.643	27.800	41.311	1578
1794	3.637	34.974	6.13	15.6	1.16	20.9	3.494	27.817	41.340	1773
1994	3.424	34.968	6.13	17.2	0.95	19.8	3.265	27.835	41.375	1970
2196	3.196	34.957	6.10	17.2	1.03	17.8	3.022	27.849	41.409	2169
2406	3.002	34.951	6.17	19.8	1.15	19.6	2.811	27.863	41.440	2375

ENDEAVOR 88 STA- 28
DATE 15/ 8/82

LAT= 37 2.6N LON= 73 42.0W

SONIC DEPTH= 2700m

PR	T	S	O2	Θ	SIG-Θ	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	27.181	34.826	4.47	27.180	22.531	28.758	34.783	0.016	11.33	3
25	23.717	36.231	4.56	23.712	24.661	30.942	37.019	0.118	20.12	25
50	19.019	36.411	3.55	19.010	26.099	32.481	38.656	0.176	7.69	50
75	17.528	36.301	3.48	17.515	26.390	32.809	39.019	0.220	4.98	74
100	16.608	36.194	3.53	16.591	26.530	32.974	39.207	0.260	3.59	99
150	15.055	35.983	3.52	15.032	26.724	33.211	39.485	0.332	3.66	149
200	13.342	35.729	3.50	13.314	26.895	33.432	39.754	0.396	3.26	198
250	12.018	35.558	3.56	11.985	27.026	33.604	39.965	0.453	2.90	248
300	9.884	35.275	3.32	9.849	27.193	33.840	40.266	0.504	3.38	298
350	8.578	35.154	3.51	8.540	27.312	34.003	40.472	0.548	3.03	347
400	7.136	35.076	4.08	7.097	27.465	34.207	40.723	0.585	3.01	397
450	6.212	35.034	4.55	6.172	27.558	34.332	40.881	0.617	1.91	446
500	5.799	35.013	4.81	5.756	27.595	34.385	40.948	0.645	1.56	496
600	5.228	35.006	5.24	5.178	27.659	34.471	41.055	0.698	1.46	595
700	4.725	34.983	5.61	4.669	27.700	34.531	41.133	0.747	1.03	694
800	4.532	34.990	5.76	4.469	27.728	34.566	41.176	0.793	0.87	793
900	4.342	34.978	5.89	4.272	27.740	34.586	41.203	0.837	0.69	891
1000	4.179	34.970	5.99	4.101	27.752	34.605	41.228	0.882	0.67	990
1200	4.005	34.969	6.07	3.912	27.771	34.631	41.262	0.970	0.54	1188
1400	3.890	34.970	6.12	3.780	27.785	34.651	41.286	1.058	0.52	1385
1600	3.799	34.973	6.10	3.672	27.799	34.668	41.308	1.147	0.54	1582
1800	3.692	34.975	6.11	3.548	27.812	34.687	41.331	1.237	0.54	1779
2000	3.486	34.971	6.13	3.326	27.831	34.714	41.367	1.326	0.96	1976
2200	3.145	34.958	6.15	2.971	27.854	34.752	41.418	1.410	0.62	2172
2400	2.978	34.950	6.17	2.788	27.864	34.770	41.443	1.493	0.41	2369
2600	2.914	34.946	6.19	2.706	27.869	34.778	41.454	1.576	0.24	2565
2723	2.929	34.946	10.92	2.709	27.869	34.777	41.454	1.628	0.03	2685

PR	T	S	O2	SIL	PHOS	NO3	Θ	SIG-Θ	SIG-3	NE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
100	16.443	36.225	3.64	4.4	0.51	11.7	16.427	26.592	39.277	100
200	13.229	35.739	3.33	8.4	1.03	19.6	13.200	26.926	39.791	198
297	10.205	35.323	3.42	13.5	1.37	25.7	10.170	27.175	40.228	295
392	7.170	35.084	4.20	15.2	1.47	26.1	7.131	27.467	40.722	394
500	5.829	35.021	4.74	13.9	1.35	23.5	5.785	27.597	40.948	495
596	5.059	34.999	5.31	13.0	1.11	21.4	5.020	27.672	41.080	591
695	4.806	35.000	5.53	12.7	1.15	20.8	4.750	27.704	41.131	689
793	4.503	34.986	5.77	12.3	1.13	20.0	4.441	27.728	41.178	786
910	4.270	34.974	5.93	11.3	1.04	18.1	4.199	27.745	41.214	901
997	4.232	34.982	5.96	12.4	1.14	19.8	4.154	27.756	41.228	988
1096	4.126	34.977	6.05	12.6	1.11	18.6	4.040	27.764	41.245	1085
1292	3.984	34.973	6.16	13.3	1.09	18.9	3.882	27.777	41.270	1278
1492	3.848	34.975	6.11	11.6	0.95	14.5	3.730	27.794	41.299	1475
1681	3.713	34.975	6.13	15.0	1.12	19.4	3.580	27.809	41.326	1662
1893	3.634	34.974	6.11	16.9	1.10	19.2	3.483	27.818	41.342	1860
2082	3.371	34.965	6.13	18.9	1.05	19.3	3.205	27.838	41.384	2056
2290	3.001	34.949	6.17	19.1	1.07	18.8	2.821	27.861	41.437	2260
2487	2.906	34.944	6.19	19.5	0.92	18.8	2.709	27.867	41.452	2454
2724	2.930	34.944	6.19				2.709	27.867	41.452	2686

ENDEAVOR 88 STA- 29
DATE 15/ 8/82

LAT= 37 0.7N LON= 73 51.0W

SONIC DEPTH= 2515m

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	28.072	36.015	4.54	28.071	23.137	29.338	35.339	0.014	3.60	3
25	25.554	36.175	4.86	25.558	24.060	30.305	36.348	0.115	18.41	25
50	19.254	36.429	3.53	19.245	26.052	32.428	38.597	0.181	10.20	50
75	17.574	36.312	3.52	17.562	26.386	32.805	39.013	0.226	5.71	74
100	17.093	36.351	4.41	17.077	26.534	32.965	39.184	0.265	3.64	99
150	15.672	36.232	4.99	15.648	26.777	33.246	39.502	0.335	1.86	149
200	15.570	36.205	5.03	15.538	26.781	33.253	39.512	0.401	1.70	198
250	12.861	35.676	3.79	12.827	26.952	33.504	39.840	0.464	3.56	248
300	11.246	35.449	3.43	11.208	27.087	33.690	40.074	0.519	3.26	298
350	8.908	35.178	3.41	8.870	27.279	33.959	40.417	0.566	2.80	347
400	7.881	35.111	3.71	7.840	27.386	34.101	40.592	0.607	2.80	397
450	6.970	35.067	4.11	6.927	27.482	34.229	40.752	0.642	2.46	446
500	6.206	35.036	4.55	6.162	27.561	34.336	40.885	0.673	1.98	496
600	5.221	34.995	5.17	5.171	27.651	34.463	41.047	0.728	1.52	595
700	4.775	34.999	5.55	4.719	27.707	34.536	41.136	0.777	0.95	694
800	4.625	34.993	5.68	4.561	27.720	34.555	41.161	0.823	0.82	793
900	4.353	34.977	5.85	4.312	27.734	34.579	41.195	0.859	0.74	891
1000	4.211	34.971	5.95	4.133	27.749	34.601	41.223	0.914	0.70	990
1200	4.025	34.967	6.03	3.932	27.767	34.627	41.257	1.002	0.56	1188
1400	3.909	34.969	6.08	3.799	27.783	34.647	41.282	1.091	0.49	1385
1600	3.805	34.972	6.09	3.678	27.797	34.666	41.306	1.181	0.64	1582
1800	3.637	34.973	6.08	3.494	27.816	34.693	41.339	1.270	0.62	1779
2000	3.447	34.968	6.10	3.287	27.832	34.717	41.371	1.358	0.69	1976
2200	3.132	34.956	6.12	2.959	27.854	34.752	41.419	1.443	0.76	2172
2400	3.028	34.951	6.12	2.838	27.861	34.754	41.436	1.526	0.43	2369
2511	3.001	34.949	6.07	2.799	27.863	34.758	41.441	1.573	0.53	2478

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
9	28.014	36.096	4.69	1.3	0.06	0.2	28.012	23.217	35.420	9
103	16.732	36.321	4.30	2.8	0.38	7.4	16.765	26.586	39.252	102
200	15.469	36.212	5.09	3.0	0.30	6.7	15.438	26.810	39.545	198
299	11.454	35.490	3.45	10.6	1.31	22.3	11.425	27.079	40.052	297
401	7.992	35.117	3.61	15.3		26.5	7.951	27.373	40.573	397
500	6.247	35.046	4.49	14.0	1.55	23.7	6.202	27.563	40.884	495
595	5.320	35.004	5.11	13.0	1.34	21.8	5.271	27.647	41.035	589
697	4.830	35.000	5.52	12.4	1.53	20.3	4.774	27.702	41.127	691
798	4.656	34.997	5.65	12.4	1.32	20.5	4.592	27.720	41.159	790
895	4.385	34.976	5.82	12.0	1.36	18.2	4.315	27.734	41.194	886
995	4.234	34.974	5.91	11.8	1.04	18.7	4.156	27.749	41.221	985
1095	4.102	34.970	6.00				4.017	27.761	41.243	1084
1196	4.008	34.970	6.07				3.914	27.771	41.262	1183
1296	3.947	34.970	6.07	12.0	1.30	18.7	3.845	27.779	41.274	1282
1494	3.852	34.971	6.08	12.9	1.35	18.3	3.734	27.791	41.295	1478
1695	3.714	34.973	6.06	13.9	1.38	17.8	3.579	27.808	41.324	1676
1893	3.546	34.970	6.07				3.395	27.824	41.354	1871
2094	3.337	34.955	6.12	16.7	1.29	19.1	3.170	27.841	41.389	2068
2292	3.058	34.951	6.12	18.4	1.32	18.8	2.887	27.857	41.427	2263
2511	3.002	34.950	6.15	18.7	1.28	17.8	2.801	27.864	41.441	2477

ENDEAVOR 88 STA- 30
DATE 15/ 8/82

LAT= 36 54.8N LON= 73 52.0W

SONIC DEPTH= 2560m

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	27.891	35.359	4.53	27.891	22.702	28.912	34.921	0.015	9.58	3
25	25.164	36.178	4.93	25.158	24.186	30.438	36.489	0.119	18.66	25
50	19.534	36.439	3.41	19.625	25.950	32.328	38.489	0.185	9.76	50
75	17.781	36.343	3.49	17.769	26.359	32.773	38.976	0.231	6.22	74
100	16.852	36.304	4.28	16.835	26.556	32.992	39.218	0.270	5.18	99
150	15.666	36.228	4.81	15.643	26.775	33.244	39.500	0.338	0.53	149
200	15.530	36.204	4.88	15.549	26.778	33.250	39.508	0.404	1.44	198
250	13.210	35.733	3.80	13.175	26.926	33.467	39.793	0.468	3.86	248
300	10.722	35.368	3.30	10.686	27.119	33.739	40.139	0.523	3.51	298
350	8.934	35.181	3.42	8.896	27.277	33.956	40.413	0.570	3.12	347
400	7.642	35.097	3.77	7.602	27.409	34.133	40.632	0.610	3.01	397
450	6.414	35.039	4.41	6.373	27.535	34.303	40.844	0.643	2.59	446
500	5.762	35.016	4.79	5.718	27.602	34.393	40.958	0.672	1.66	496
600	5.283	35.023	5.16	5.233	27.666	34.475	41.057	0.724	1.38	595
700	4.849	35.011	5.50	4.792	27.708	34.534	41.132	0.772	1.06	694
800	4.588	34.999	5.69	4.525	27.728	34.555	41.172	0.818	0.81	793
900	4.301	34.973	5.89	4.230	27.740	34.588	41.207	0.863	0.66	891
1000	4.276	34.984	5.90	4.197	27.752	34.602	41.221	0.907	0.72	990
1200	4.039	34.974	6.03	3.945	27.772	34.631	41.260	0.995	0.59	1188
1400	3.836	34.971	6.08	3.786	27.786	34.651	41.286	1.084	0.52	1385
1600	3.759	34.972	6.09	3.633	27.802	34.673	41.314	1.172	0.64	1582
1800	3.585	34.971	6.09	3.442	27.820	34.699	41.347	1.260	0.57	1779
2000	3.450	34.966	6.09	3.290	27.831	34.716	41.370	1.347	0.52	1976
2200	3.254	34.959	6.11	3.089	27.844	34.737	41.399	1.434	0.65	2172
2400	3.065	34.951	6.13	2.874	27.858	34.750	41.430	1.520	0.70	2369
2575	2.891	34.943	6.12	2.686	27.868	34.777	41.455	1.593	0.56	2540

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
8	27.943	35.482	4.73	0.9	0.05	0.1	27.941	22.779	34.993	8
101	16.238	36.226	4.04	2.9	0.28	8.3	16.222	26.641	39.336	100
200	15.243	36.188	4.98	2.7	0.26	5.9	15.212	26.842	39.590	198
248	12.603	35.646	3.66	8.6	1.03	19.0	12.569	26.980	39.883	246
309	10.253	35.323	3.26	13.2	1.42	25.1	10.216	27.167	40.217	306
409	7.139	35.075	3.97	13.4	1.36	22.8	7.099	27.464	40.722	406
509	5.758	35.021	4.80	13.9	1.35	23.0	5.724	27.605	40.960	504
608	5.147	35.012	5.26	13.2	1.22	21.1	5.096	27.674	41.075	602
709	4.808	35.009	5.54	12.7	1.22	20.7	4.751	27.711	41.138	702
810	4.491	34.996	5.75	12.4	1.18	20.0	4.427	27.737	41.189	802
910	4.328	34.995	5.84				4.257	27.755	41.219	901
1006	4.246	34.987	6.09	12.4	1.17	19.6	4.157	27.758	41.229	996
1107	4.130	34.977	5.97	12.4	1.12	18.5	4.043	27.763	41.244	1096
1258	3.989	34.975	6.02	12.6	1.13	19.2	3.891	27.778	41.270	1245
1481	3.839	34.971	6.07				3.722	27.792	41.297	1465
1685	3.694	34.970	6.07				3.560	27.807	41.325	1666
1887	3.523	34.958	6.08	14.6	1.10	18.0	3.373	27.824	41.356	1864
2089	3.358	34.954	6.10				3.192	27.839	41.385	2064
2362	3.097	34.972	6.13				2.908	27.871	41.440	2331
2575	2.892	34.945	6.18				2.686	27.870	41.456	2540

ENDEAVOR 88 STA- 31 LAT= 36 49.0N LON= 73 51.6W SONIC DEPTH= 2618m
DATE 16/ 8/82

PR	T	S	O2	θ	SIG-8	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	27.440	34.853	4.64	27.440	22.475	28.697	34.717	0.016	17.88	3
25	21.558	36.447	4.14	21.553	25.445	31.769	37.888	0.106	18.04	25
50	18.516	36.404	3.53	18.508	26.222	32.616	38.802	0.159	7.70	50
75	16.837	36.234	3.65	16.824	26.505	32.942	39.169	0.200	5.12	74
100	15.617	36.079	3.66	15.602	26.670	33.141	39.399	0.237	3.89	99
150	15.605	36.218	5.11	15.581	26.782	33.252	39.510	0.303	1.73	149
200	14.120	35.892	4.25	14.090	26.858	33.372	39.671	0.367	2.45	198
250	11.581	35.493	3.46	11.648	27.040	33.628	39.999	0.426	3.43	248
300	9.718	35.258	3.33	9.683	27.208	33.860	40.292	0.476	3.57	298
350	8.013	35.117	3.69	7.977	27.369	34.080	40.567	0.518	2.84	347
400	7.136	35.072	4.07	7.098	27.462	34.203	40.720	0.554	2.49	397
450	6.711	35.061	4.24	6.669	27.513	34.269	40.801	0.587	1.64	446
500	6.155	35.035	4.58	6.121	27.555	34.342	40.892	0.618	1.89	496
600	5.518	35.023	5.02	5.467	27.638	34.438	41.012	0.673	1.47	595
700	5.040	35.020	5.40	4.983	27.693	34.512	41.103	0.723	1.19	694
800	4.647	35.004	5.69	4.583	27.727	34.561	41.156	0.770	1.11	793
900	4.327	34.986	5.89	4.257	27.748	34.595	41.213	0.814	0.75	891
1000	4.195	34.983	5.97	4.117	27.760	34.613	41.235	0.858	0.56	990
1200	4.041	34.976	6.07	3.947	27.773	34.632	41.261	0.945	0.54	1188
1400	3.879	34.972	6.11	3.769	27.788	34.654	41.289	1.033	0.59	1385
1600	3.727	34.975	6.13	3.601	27.807	34.680	41.322	1.121	0.62	1582
1800	3.595	34.974	6.13	3.453	27.821	34.700	41.347	1.208	0.59	1779
2000	3.434	34.968	6.14	3.275	27.834	34.719	41.374	1.295	0.55	1976
2200	3.236	34.962	6.14	3.110	27.845	34.737	41.398	1.381	0.55	2172
2400	3.126	34.955	6.17	2.934	27.855	34.754	41.422	1.467	0.67	2369
2600	2.840	34.942	6.21	2.633	27.872	34.783	41.463	1.551	0.57	2565
2633	2.839	34.942	6.18	2.629	27.872	34.784	41.464	1.565	0.37	2597

PR	T	S	O2	SIL	PHOS	N33	θ	SIG-8	SIG-3	DE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
12	27.820	35.986	4.70	0.9	0.04	0.1	27.818	23.198	35.409	11
101	15.842	36.149	3.81				15.826	26.673	39.389	100
198	14.090	35.922	4.31	5.4	0.65	14.1	14.061	26.888	39.702	197
297	10.424	35.356	3.32	12.5	1.38		10.388	27.163	40.201	294
396	7.550	35.094	3.84	15.0	1.53		7.520	27.419	40.648	393
496	5.881	35.029	4.73	13.7	1.33	25.3	5.837	27.597	40.944	492
596	5.314	35.028	5.14	13.1	1.21	23.9	5.265	27.656	41.055	591
689	4.981	35.021	5.42	12.7	1.23	22.9	4.925	27.701	41.115	683
794	4.639	35.008	5.64	12.3	1.20	22.2	4.576	27.730	41.170	787
898	4.422	34.997	5.78	12.2	1.19	20.7	4.351	27.746	41.203	890
989	4.238	34.981	5.92	12.1	1.11	21.4	4.161	27.754	41.226	979
1094	4.039	34.978	5.99	11.5	1.01	19.9	4.014	27.767	41.250	1083
1275	3.957	34.972	6.04	12.5	1.10	21.1	3.857	27.778	41.272	1262
1492	3.825	34.971	6.08	13.4	1.14	21.3	3.708	27.793	41.300	1476
1693	3.654	34.972	6.10	14.2	1.14	21.3	3.530	27.812	41.332	1673
1890	3.522	34.968	6.11	15.4	1.18	20.7	3.372	27.824	41.357	1868
2086	3.336	34.965	6.11	16.3	1.14	21.1	3.220	27.837	41.381	2061
2291	3.236	34.953	6.14	17.5	1.14	20.9	3.022	27.846	41.406	2261
2476	3.038	34.948	6.14	18.2	1.12	20.3	2.840	27.858	41.433	2444
2632	2.835	34.936	6.20				2.626	27.868	41.460	2596

ENDEAVOR 88 STA- 32 LAT= 36 43.7N LON= 73 51.3W SONIC DEPTH= 2662m
DATE 15/ 8/82

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	28.165	35.698	4.70	28.164	22.868	29.070	35.072	0.015	7.33	3
25	26.297	36.062	5.10	26.282	23.748	29.981	36.012	0.119	17.58	25
50	19.053	36.326	3.65	19.074	26.017	32.399	38.572	0.189	9.62	50
75	16.788	36.186	3.45	16.775	26.479	32.919	39.147	0.232	5.51	74
100	15.494	36.036	3.61	15.479	26.664	33.139	39.401	0.269	3.97	99
150	14.429	35.912	4.80	14.407	26.806	33.311	39.602	0.335	2.34	149
200	12.444	35.568	3.91	12.418	26.950	33.515	39.863	0.396	3.58	198
250	10.688	35.368	3.31	10.657	27.124	33.745	40.146	0.449	3.36	248
300	9.028	35.184	3.33	8.995	27.263	33.939	40.393	0.495	3.04	298
350	7.450	35.089	3.91	7.416	27.430	34.150	40.666	0.535	3.10	347
400	6.507	35.047	4.39	6.471	27.529	34.292	40.831	0.567	2.43	397
450	5.817	35.019	4.77	5.778	27.596	34.386	40.948	0.596	1.88	446
500	5.395	35.005	5.06	5.353	27.637	34.443	41.020	0.623	1.63	496
600	4.979	35.011	5.40	4.931	27.692	34.513	41.106	0.672	1.24	595
700	4.698	35.009	5.64	4.642	27.724	34.556	41.159	0.717	0.86	694
800	4.450	34.997	5.77	4.417	27.739	34.580	41.191	0.761	0.67	793
900	4.345	34.991	5.87	4.274	27.750	34.596	41.213	0.805	0.68	891
1000	4.244	34.988	5.93	4.166	27.759	34.509	41.230	0.849	0.64	990
1200	3.970	34.974	6.06	3.876	27.779	34.641	41.272	0.936	0.59	1188
1400	3.848	34.974	6.08	3.738	27.792	34.659	41.296	1.023	0.57	1385
1600	3.732	34.974	6.11	3.606	27.806	34.679	41.321	1.110	0.56	1582
1800	3.590	34.973	6.10	3.438	27.822	34.701	41.349	1.197	0.60	1779
2000	3.422	34.959	6.11	3.263	27.836	34.722	41.376	1.284	0.60	1976
2200	3.245	34.951	6.13	3.070	27.848	34.742	41.404	1.370	0.64	2172
2400	3.055	34.953	6.15	2.864	27.860	34.752	41.433	1.454	0.71	2369
2600	2.743	34.938	6.19	2.538	27.877	34.792	41.476	1.536	0.71	2565
2677	2.738	34.937	6.16	2.525	27.877	34.793	41.477	1.567	0.31	2640

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
8	28.427	35.974	4.74	1.5	0.05	0.2	28.425	22.990	35.180	8
101	13.754	35.590	4.48	4.3	0.63	12.2	13.750	26.697	39.534	100
202	11.948	35.544	3.51	9.6	1.13	22.7	11.922	27.027	39.970	200
298	8.545	35.158	3.33	14.3	1.51	27.8	8.613	27.304	40.459	296
399	6.300	35.041	4.31	14.3	1.47	26.7	6.265	27.551	40.868	396
499	5.282	35.003	5.11	13.0	1.32	24.3	5.241	27.649	41.040	495
598	4.913	35.009	5.43				4.865	27.698	41.117	592
697	4.694	35.006	5.62	12.4	1.20	22.2	4.639	27.722	41.157	691
797	4.459	34.994	5.77	12.3	1.20	22.3	4.406	27.738	41.191	789
896	4.255	34.983	5.89	12.3	1.18	21.8	4.215	27.750	41.217	888
995	4.159	34.983	5.96	12.2	1.17	21.7	4.091	27.763	41.240	985
1091	4.033	34.975	6.06	12.5	1.18	20.6	3.999	27.767	41.251	1080
1294	3.895	34.972	6.07	13.0	1.20	21.3	3.794	27.785	41.285	1280
1492	3.795	34.958	6.09	13.0	1.18	20.9	3.677	27.794	41.303	1475
1696	3.555	34.959	6.09	14.2	1.17	20.3	3.531	27.810	41.330	1676
1891	3.501	34.959	6.10	15.4	1.21	21.2	3.351	27.827	41.361	1869
2092	3.329	34.961		16.9	1.21	21.5	3.163	27.839	41.388	2066
2293	3.139	34.951	6.18	17.6	1.19	21.2	2.957	27.850	41.415	2264
2500	2.890	34.939	6.21	17.4	1.08	19.2	2.682	27.865	41.452	2467
2678	2.730	34.933	6.24	20.0	1.16	20.4	2.518	27.875	41.475	2641

ENDEAVOR 88 STA- 33
DATE 16/ 8/82

LAT= 36 35.8N LON= 73 51.4W

SONIC DEPTH= 2690m

PR	T	S	O2	θ	SIG-9	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	27.576	35.705	4.83	27.575	23.065	29.277	35.289	0.014	-0.52	3
25	26.707	36.027	4.98	26.701	23.589	29.815	35.839	0.119	17.48	25
50	17.486	36.138	3.70	17.477	26.274	32.696	38.908	0.188	11.60	50
75	15.684	36.046	3.52	15.672	26.628	33.098	39.355	0.227	4.38	74
100	15.009	35.995	3.75	14.993	26.742	33.230	39.504	0.251	3.72	99
150	13.256	35.750	3.58	13.235	26.927	33.466	39.790	0.323	3.41	149
200	11.004	35.418	3.34	10.979	27.106	33.715	40.106	0.377	3.35	198
250	9.321	35.259	3.63	9.293	27.274	33.939	40.383	0.424	3.54	248
300	7.486	35.123	4.06	7.456	27.451	34.180	40.684	0.462	3.24	298
350	6.616	35.088	4.37	6.584	27.546	34.305	40.839	0.493	2.02	347
400	5.847	35.028	4.76	5.813	27.599	34.387	40.948	0.521	1.96	397
450	5.434	35.019	5.04	5.397	27.643	34.447	41.023	0.547	1.42	446
500	5.204	35.014	5.22	5.163	27.667	34.479	41.064	0.572	1.37	496
600	4.796	35.001	5.54	4.748	27.706	34.533	41.133	0.618	1.02	595
700	4.610	35.002	5.66	4.554	27.728	34.563	41.169	0.663	0.88	694
800	4.390	34.991	5.84	4.328	27.744	34.589	41.203	0.706	0.69	793
900	4.251	34.987	5.90	4.191	27.756	34.605	41.225	0.749	0.69	891
1000	4.142	34.983	5.98	4.065	27.766	34.620	41.245	0.792	0.57	990
1200	3.961	34.977	6.04	3.867	27.782	34.644	41.276	0.878	0.59	1188
1400	3.814	34.975	6.08	3.705	27.797	34.655	41.304	0.964	0.58	1385
1600	3.677	34.973	6.10	3.552	27.811	34.635	41.329	1.050	0.61	1582
1800	3.524	34.972	6.08	3.382	27.827	34.708	41.358	1.136	0.60	1779
2000	3.359	34.968	6.10	3.211	27.840	34.728	41.384	1.221	0.55	1976
2200	3.181	34.960	6.13	3.007	27.853	34.749	41.414	1.306	0.62	2172
2400	3.002	34.951	6.15	2.811	27.863	34.758	41.440	1.389	0.67	2369
2600	2.647	34.933	6.22	2.444	27.881	34.801	41.488	1.470	0.83	2565
2701	2.573	34.929	6.18	2.362	27.885	34.808	41.498	1.509	0.50	2664

PR	T	S	O2	SIL	PHOS	N33	θ	SIG-9	SIG-3	DE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
8	27.459	35.680	4.79	0.5	0.03	0.1	27.457	23.085	35.313	8
95	15.149	36.055	3.84				15.134	26.757	39.511	94
195	10.795	35.394	3.26	12.0	1.43	26.3	10.752	27.126	40.141	194
296	7.652	35.129	3.93	14.0	1.51	25.8	7.622	27.432	40.653	293
395	5.910		4.68							392
496	5.232	35.016	5.20	12.8	1.36	24.1	5.191	27.666	41.060	491
595	4.787	34.995	5.52	12.1	1.30	23.1	4.740	27.701	41.129	590
695	4.590	34.996	5.68	12.0	1.18	22.1	4.535	27.725	41.168	689
796	4.430	34.988	5.80	12.0	1.27	22.2	4.357	27.737	41.193	789
897	4.281	34.982	5.88	11.9	1.23	21.7	4.211	27.750	41.217	889
994	4.174	34.982	5.93	12.0	1.24	21.8	4.097	27.762	41.238	984
1094	4.074	34.979	6.11	12.1	1.16	21.5	3.989	27.771	41.256	1083
1293	3.898	34.975	6.06	12.6	1.23	21.3	3.798	27.787	41.287	1280
1494	3.767	34.982	6.09	13.3	1.23	21.4	3.650	27.808	41.319	1478
1693	3.619	34.975	6.09	14.5	1.21	20.6	3.486	27.819	41.342	1674
1883	3.452	34.964	6.13	15.8	1.24	21.6	3.304	27.828	41.366	1860
2086	3.293	34.959	6.29	16.9	1.19	21.4	3.128	27.840	41.392	2060
2287	3.106	34.949	6.21	18.0	1.22	21.0	2.925	27.851	41.419	2258
2489	2.836	34.936	6.19	19.2	1.09	20.5	2.641	27.867	41.457	2456
2701	2.573	34.922	6.22	21.7	1.17	20.7	2.352	27.880	41.493	2664

ENDEAVOR 88 STA- 34 LAT= 36 45.2N LON= 74 27.6W SONIC DEPTH= 1660m
DATE 16/ 8/82

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	28.330	35.988	4.50	28.330	23.031	29.228	35.224	0.014	1.23	3
25	25.449	36.214	5.02	25.444	24.125	30.372	36.417	0.117	19.30	25
50	19.212	36.394	3.49	19.203	26.036	32.414	38.584	0.182	10.27	50
75	17.522	36.364	3.98	17.609	26.414	32.831	39.038	0.226	5.63	74
100	16.413	36.232	4.06	16.396	26.604	33.053	39.290	0.255	4.12	99
150	14.707	35.939	3.57	14.684	26.766	33.253	39.547	0.333	3.17	149
200	12.363	35.586	3.31	12.336	26.980	33.547	39.897	0.394	3.65	198
250	10.550	35.353	3.26	10.550	27.132	33.756	40.160	0.446	2.44	248
300	8.987	35.198	3.48	8.954	27.281	33.958	40.413	0.492	3.19	298
350	7.746	35.102	3.79	7.710	27.397	34.117	40.613	0.532	2.98	347
400	6.835	35.064	4.21	6.797	27.498	34.250	40.777	0.567	2.47	397
450	6.121	35.032	4.58	6.081	27.568	34.346	40.898	0.597	2.03	446
500	5.584	35.013	4.94	5.542	27.621	34.419	40.990	0.624	1.62	496
600	5.055	34.994	5.32	5.006	27.670	34.489	41.079	0.675	1.29	595
700	4.639	34.984	5.60	4.633	27.705	34.537	41.141	0.723	0.88	694
800	4.439	34.977	5.78	4.376	27.728	34.570	41.183	0.768	0.78	793
900	4.312	34.973	5.88	4.242	27.739	34.587	41.205	0.813	0.76	891
1000	4.220	34.972	5.93	4.142	27.749	34.601	41.223	0.858	0.61	990
1200	4.054	34.972	6.04	3.960	27.768	34.627	41.255	0.947	0.61	1188
1400	3.971	34.973	6.02	3.860	27.779	34.641	41.274	1.036	0.29	1385
1600	3.942	34.973	6.06	3.814	27.784	34.648	41.282	1.128	0.33	1582
1675	3.933	34.973	6.00	3.797	27.786	34.650	41.285	1.163	0.33	1656

PR	T	S	O2	SIL	PHOS	NH3	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
13	28.313	36.079	4.61	1.3	0.04	0.1	28.310	23.107	35.299	13
96	16.200	36.267	4.24	1.9	0.25	6.4	16.185	26.681	39.377	96
200	12.209	35.577	3.26	10.1	1.11	25.3	12.182	27.003	39.929	199
299	9.300	35.239	3.39				9.267	27.252	40.373	296
396	6.841	35.058	4.20	13.7	1.50	27.0	6.804	27.500	40.778	393
492	5.740	35.020	4.81				5.698	27.607	40.965	487
597	5.022	34.993	5.43				4.973	27.673	41.084	592
698	4.672	34.987	5.60				4.616	27.709	41.146	692
798	4.452	34.986	5.76				4.399	27.732	41.186	791
896	4.326	34.975	5.88	11.9	1.15	22.4	4.256	27.739	41.204	887
995	4.203	34.973	5.94				4.125	27.752	41.226	986
1096	4.130	34.978	6.06				4.044	27.754	41.245	1085
1294	3.980		6.06							1280
1478	3.952	34.970	6.06	12.8	0.53	23.0	3.834	27.780	41.276	1462
1673	3.933	34.986	6.09	12.9	1.15	22.2	3.798	27.796	41.295	1654

ENDEAVOR 88 STA- 35 LAT= 36 50.6N LON= 74 16.6W SONIC DEPTH= 2100m
DATE 16/ 8/82

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	27.228	35.124	4.83	27.228	22.740	28.963	34.985	0.015	11.34	3
25	23.636	36.306	4.84	23.691	24.724	31.005	37.082	0.112	17.97	25
50	19.414	36.428	3.57	19.405	26.009	32.332	38.547	0.172	9.29	50
75	16.551	36.175	3.31	16.539	26.527	32.973	39.207	0.215	6.26	74
100	15.416	36.038	3.60	15.400	26.684	33.161	39.425	0.251	3.58	99
150	15.556	36.223	4.84	15.642	26.772	33.241	39.497	0.317	0.45	149
200	15.623	36.211	4.95	15.591	26.774	33.244	39.501	0.383	0.76	198
250	13.710	35.780	4.53	13.674	26.859	33.386	39.698	0.449	3.39	248
300	11.354	35.443	3.38	11.316	27.053	33.652	40.043	0.508	3.99	298
350	9.582	35.239	3.35	9.542	27.217	33.874	40.310	0.557	2.80	347
400	8.022	35.114	3.73	7.981	27.366	34.077	40.564	0.600	3.37	397
450	6.953	35.056	4.17	6.920	27.474	34.222	40.745	0.635	2.33	446
500	6.222	35.037	4.56	6.177	27.559	34.334	40.882	0.667	2.17	496
600	5.272	35.009	5.18	5.222	27.656	34.466	41.048	0.722	1.53	595
700	4.849	34.999	5.50	4.793	27.699	34.525	41.123	0.771	1.11	694
800	4.606	34.996	5.70	4.542	27.724	34.560	41.167	0.817	0.86	793
900	4.415	34.986	5.82	4.344	27.738	34.582	41.196	0.853	0.77	891
1000	4.216	34.973	5.94	4.137	27.750	34.602	41.224	0.907	0.62	990
1200	4.024	34.969	6.01	3.930	27.769	34.628	41.258	0.996	0.67	1188
1400	3.852	34.971	6.07	3.752	27.788	34.655	41.291	1.084	0.57	1385
1600	3.753	34.973	6.07	3.627	27.803	34.674	41.315	1.172	0.56	1582
1800	3.652	34.972	6.09	3.508	27.814	34.690	41.336	1.260	0.48	1779
2000	3.558	34.970	6.07	3.397	27.823	34.704	41.354	1.350	0.49	1976
2103	3.481	34.967	6.02	3.311	27.830	34.714	41.367	1.396	0.64	2077

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
11	27.768	36.096	4.71	1.1		0.6	27.765	23.298	35.509	11
101	15.592	36.243	4.59	3.6	0.41	10.9	15.577	26.802	39.530	100
200	15.536	36.241	5.09	2.7	0.19	7.6	15.505	26.817	39.548	199
299	10.973	35.418	3.29	7.8	0.74	17.2	10.936	27.113	40.117	297
400	7.989	35.123	3.67	14.6	1.45	28.2	7.948	27.379	40.578	397
498	6.198	35.040	4.56	12.9	1.28	23.8	6.153	27.565	40.889	494
612	5.151	35.020	5.26				5.111	27.678	41.078	606
700	4.827	35.005	5.51	11.8	1.15	21.4	4.770	27.706	41.131	694
798	4.615	35.003	5.70	12.3	1.18	22.3	4.551	27.729	41.171	790
897	4.395	34.997	5.83	12.1	1.16	21.9	4.324	27.749	41.208	888
997	4.247	34.983	5.94	12.0	1.17	21.7	4.169	27.755	41.226	987
1102	4.127	34.982	5.99	12.1	1.14	21.4	4.041	27.768	41.248	1091
1296	3.929	34.971	6.10	12.4	1.16	21.2	3.828	27.781	41.278	1282
1495	3.802	34.975	6.13	13.3	1.18	21.3	3.685	27.799	41.307	1479
1693	3.700	34.976	6.12	14.2	1.15	21.2	3.565	27.812	41.329	1674
1888	3.594	34.976	6.11	15.0	1.15		3.443	27.824	41.351	1865
2103	3.482	34.971	6.14	15.9	1.17		3.312	27.833	41.369	2077

ENDEAVOR 88 STA- 36
DATE 16/ 8/82

LAT= 36 54.0N LON= 74 7.4W

SONIC DEPTH= 2300m

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	28.153	35.983	6.73	28.162	23.083	29.283	35.282	0.014	5.66	3
25	23.940	36.388	4.91	23.935	24.714	30.989	37.061	0.108	16.15	25
50	19.450	36.441	3.48	19.441	26.010	32.382	38.546	0.175	11.33	50
75	16.807	36.209	3.87	16.795	26.493	32.931	39.159	0.218	6.62	74
100	15.521	36.110	4.01	15.506	26.716	33.189	39.450	0.255	3.73	99
150	15.597	36.238	4.90	15.673	26.776	33.244	39.499	0.320	0.32	149
200	15.641	36.222	5.00	15.610	26.778	33.248	39.505	0.386	0.37	198
250	14.934	36.057	4.83	14.896	26.811	33.301	39.578	0.452	2.89	248
300	11.504	35.476	3.53	11.566	27.042	33.633	40.007	0.513	3.85	298
350	9.808	35.263	3.35	9.768	27.198	33.847	40.277	0.563	2.99	347
400	8.327	35.134	3.60	8.285	27.336	34.036	40.513	0.607	3.24	397
450	6.950	35.066	4.15	6.937	27.480	34.227	40.749	0.644	2.59	446
500	6.071	35.034	4.52	6.027	27.576	34.356	40.910	0.676	2.20	496
600	5.250	35.011	5.16	5.230	27.657	34.457	41.049	0.729	1.41	595
700	4.854	35.000	5.50	4.807	27.698	34.523	41.121	0.778	1.08	694
800	4.626	34.995	5.67	4.562	27.721	34.556	41.163	0.825	0.97	793
900	4.407	34.986	5.82	4.336	27.740	34.583	41.198	0.870	0.76	891
1000	4.294	34.981	5.91	4.215	27.749	34.597	41.216	0.915	0.65	990
1200	4.017	34.968	6.04	3.923	27.769	34.628	41.259	1.003	0.63	1188
1400	3.901	34.973	6.08	3.791	27.786	34.651	41.286	1.092	0.57	1385
1600	3.758	34.975	6.08	3.632	27.804	34.676	41.317	1.130	0.61	1582
1800	3.617	34.972	6.08	3.474	27.818	34.695	41.342	1.268	0.54	1779
2000	3.478	34.969	6.08	3.318	27.830	34.714	41.367	1.355	0.67	1976
2200	3.295	34.962	6.11	3.119	27.844	34.736	41.396	1.442	0.47	2172
2315	3.236	34.959	6.04	3.050	27.848	34.743	41.406	1.492	0.57	2285

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
9	27.947	36.068	4.77	1.3	0.07	0.1	27.944	23.218	35.424	9
102	15.448	36.082	3.65	5.3	0.67	14.0	15.432	26.711	39.449	101
201	15.528	36.248	5.11	3.0	0.32	7.1	15.597	26.801	39.528	199
300	11.706	35.510	3.45	10.3	1.21	21.2	11.667	27.049	40.007	297
399	8.325	35.143	3.53	15.4	1.51	25.4	8.283	27.343	40.520	395
499	6.035	35.034	4.60	14.0	1.37	22.8	5.991	27.581	40.917	495
599	5.372	35.016	5.07	12.7	1.25	20.6	5.322	27.650	41.035	594
699	4.912	35.007	5.44	12.7	1.27	20.5	4.855	27.698	41.117	693
798	4.500	34.999	5.67	12.3	1.23	19.9	4.536	27.728	41.171	790
895	4.432	34.993	5.80	11.8	1.15	18.8	4.361	27.742	41.198	887
995	4.309	34.985	5.89				4.230	27.750	41.216	985
1096	4.116	34.980	6.00				4.030	27.757	41.249	1085
1296	3.947	34.978	6.07	12.5	1.15	19.0	3.846	27.785	41.280	1282
1494	3.845	34.975	6.08	13.2	1.14	19.1	3.727	27.795	41.299	1478
1692	3.674	34.974	6.11	14.3	1.15	19.1	3.540	27.813	41.332	1673
1891	3.559	34.970	6.11	13.7	1.04	17.1	3.418	27.821	41.350	1869
2094	3.359	34.965	6.12	16.4	1.07	18.6	3.193	27.839	41.386	2068
2315	3.237	34.959	6.15	17.4	1.23	19.4	3.051	27.848	41.405	2285

ENDEAVOR 88 STA- 37
DATE 16/ 8/82

LAT= 36 57.4N LON= 74 0.1W

SONIC DEPTH= 2450m

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	27.512	35.568	4.58	27.611	22.951	29.153	35.175	0.015	12.99	3
25	23.207	36.325	4.77	23.202	24.882	31.173	37.260	0.107	17.70	25
50	19.254	36.470	3.51	19.245	26.083	32.450	38.628	0.166	8.39	50
75	17.769	36.337	3.47	17.756	26.358	32.772	38.975	0.210	4.18	74
100	17.251	36.360	4.38	17.244	26.501	32.927	39.142	0.250	3.77	99
150	14.240	35.803	4.89	14.218	26.762	33.274	39.570	0.322	3.21	149
200	13.924	35.798	4.47	13.895	26.827	33.347	39.653	0.388	2.93	198
250	12.485	35.601	3.42	12.452	26.968	33.532	39.879	0.448	3.40	248
300	10.599	35.358	3.43	10.562	27.142	33.755	40.169	0.501	3.01	298
350	9.052	35.191	3.42	9.013	27.266	33.941	40.394	0.548	3.50	347
400	7.345	35.082	3.91	7.306	27.440	34.174	40.684	0.587	2.46	397
450	6.514	35.046	4.33	6.473	27.527	34.291	40.829	0.621	2.66	446
500	5.798	35.008	4.74	5.755	27.590	34.380	40.944	0.650	1.70	496
600	5.304	34.997	5.11	5.254	27.643	34.452	41.033	0.704	1.23	595
700	4.858	34.982	5.47	4.801	27.684	34.510	41.108	0.754	1.14	694
800	4.605	34.980	5.68	4.541	27.712	34.548	41.155	0.802	0.99	793
900	4.391	34.977	5.85	4.320	27.733	34.578	41.193	0.847	0.78	891
1000	4.225	34.970	5.95	4.147	27.747	34.598	41.220	0.893	0.70	990
1200	4.032	34.967	6.05	3.939	27.767	34.626	41.256	0.982	0.61	1188
1400	3.877	34.968	6.09	3.767	27.785	34.651	41.287	1.071	0.62	1385
1600	3.750	34.973	6.12	3.634	27.802	34.673	41.314	1.159	0.60	1582
1800	3.581	34.971	6.10	3.439	27.820	34.699	41.348	1.247	0.69	1779
2000	3.391	34.965	6.11	3.232	27.835	34.723	41.379	1.333	0.48	1976
2200	3.270	34.960	6.13	3.094	27.844	34.737	41.399	1.419	0.42	2172
2400	3.206	34.956	6.14	3.012	27.849	34.745	41.410	1.506	0.46	2369
2467	3.163	34.955	6.08	2.963	27.853	34.751	41.417	1.535	0.51	2434

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
13	27.053	36.247	4.81	1.2	0.02	0.1	27.060	23.640	35.873	13
99	16.924	36.277	3.66	4.2	0.54	11.1	16.908	26.518	39.178	99
199	13.894	35.886	4.22	6.0	0.63	13.2	13.865	26.901	39.727	198
301	10.519	35.374	3.42	12.6	1.23	23.0	10.483	27.160	40.192	298
394	7.428	35.093	3.86	15.6	1.56	24.9	7.389	27.437	40.675	391
497	5.828	35.021	4.75	14.1	1.37	22.1	5.785	27.597	40.948	493
595	5.368	35.010	5.11	13.6	1.35	21.1	5.318	27.646	41.031	590
697	4.814	34.984	5.50	11.4	1.13	17.8	4.758	27.691	41.118	690
794	4.517	34.985	5.74	12.6	1.20	19.4	4.454	27.726	41.175	787
892	4.335	34.973	5.89	12.4	1.16	19.1	4.265	27.737	41.201	883
991	4.136	34.971	5.96	12.4	1.15	18.9	4.109	27.752	41.228	982
1192	4.023	34.970	6.06				3.930	27.770	41.259	1180
1394	3.885	34.973	6.08	13.2	1.10	18.7	3.776	27.788	41.289	1379
1590	3.773	34.973	6.09	12.2	1.30	16.1	3.647	27.801	41.312	1572
1788	3.615	34.974	6.09	15.5	1.18	18.8	3.473	27.819	41.344	1767
2090	3.300	34.963	6.12	17.5	1.13	18.6	3.135	27.843	41.394	2064
2295	3.243	34.964	6.13	18.1	1.15	18.4	3.058	27.851	41.408	2265
2466	3.154	34.957	6.17	18.0	1.14	18.1	2.954	27.854	41.419	2433

ENDEAVOR 38 STA- 38
DATE 17/ 8/82

LAT= 37 6.6N LON= 73 42.8W

SONIC DEPTH= 2525m

PR dbar	T Deg C	S o/oo	O2 ml/l	θ Deg C	SIG-3 kg/m3	SIG-1.5 kg/m3	SIG-3 kg/m3	HGTH m	W cph	DE m
3	25.486	32.178	4.87	25.485	21.065	27.346	33.424	0.020	33.93	3
25	20.099	35.747	5.55	20.094	25.308	31.671	37.827	0.107	14.13	25
50	14.207	35.242	5.21	14.200	26.333	32.850	39.153	0.161	9.68	50
75	13.556	35.496	4.47	13.546	26.666	33.200	39.517	0.198	4.55	74
100	13.353	35.574	4.46	13.349	26.767	33.305	39.627	0.232	2.70	99
150	13.037	35.597	4.37	13.016	26.853	33.400	39.731	0.295	2.13	149
200	12.155	35.538	3.80	12.129	26.983	33.556	39.913	0.354	3.66	198
250	10.216	35.313	3.35	10.186	27.165	33.801	40.216	0.405	2.92	248
300	8.935	35.181	3.44	8.902	27.276	33.955	40.412	0.450	2.40	298
350	8.007	35.119	3.70	7.971	27.372	34.093	40.570	0.491	2.92	347
400	6.848	35.060	4.27	6.810	27.492	34.244	40.770	0.526	2.24	397
450	6.345	35.035	4.52	6.305	27.541	34.311	40.855	0.557	1.80	446
500	5.920	35.036	4.76	5.877	27.597	34.382	40.941	0.587	1.74	496
600	5.194	35.007	5.24	5.144	27.664	34.477	41.062	0.639	1.23	595
700	4.898	34.999	5.48	4.841	27.693	34.518	41.114	0.688	0.98	694
800	4.727	34.992	5.60	4.662	27.708	34.539	41.142	0.735	0.75	793
900	4.408	34.983	5.82	4.337	27.737	34.580	41.195	0.782	1.08	891
1000	4.176	34.977	5.96	4.098	27.757	34.611	41.234	0.826	0.83	990
1200	3.935	34.970	6.05	3.842	27.779	34.642	41.275	0.912	0.52	1188
1400	3.832	34.971	6.07	3.723	27.792	34.660	41.297	0.999	0.50	1385
1600	3.724	34.973	6.09	3.598	27.806	34.679	41.321	1.086	0.64	1582
1800	3.597	34.974	6.08	3.455	27.821	34.699	41.347	1.173	0.57	1779
2000	3.384	34.966	6.10	3.225	27.837	34.724	41.381	1.260	0.71	1976
2200	3.153	34.958	6.15	2.989	27.853	34.750	41.415	1.344	0.64	2172
2400	2.912	34.946	6.19	2.724	27.867	34.775	41.451	1.427	0.77	2369
2529	2.829	34.942	6.15	2.629	27.873	34.784	41.464	1.479	0.40	2495

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NO3 umol/kg	θ Deg C	SIG-8 kg/m3	SIG-3 kg/m3	DE m
11	22.835	34.541	5.51				22.833	23.635	36.058	11
102	13.499	35.623	4.65				13.484	26.777	39.629	101
200	12.054	35.544	3.71				12.038	27.005	39.941	199
300	8.908	35.191	3.32				8.875	27.288	40.425	297
399	6.827	35.072	4.16				6.790	27.505	40.784	396
500	5.942	35.053	4.71				5.898	27.608	40.950	495
599	5.245	35.013	5.18				5.195	27.653	41.057	594
698	4.903	35.000	5.45				4.846	27.693	41.113	691
798	4.736	34.996	5.59				4.672	27.710	41.143	790
897	4.376	34.986	5.84				4.305	27.743	41.203	888
1096	3.999	34.973	6.05				3.914	27.774	41.264	1085
1295	3.876	34.986	6.08				3.775	27.798	41.299	1281
1478	3.781	34.972	6.11				3.665	27.798	41.308	1462
1697	3.630	34.975	6.12				3.496	27.818	41.340	1677
1891	3.511	34.976	6.11				3.361	27.832	41.365	1868
2087	3.276	34.962	6.12				3.111	27.845	41.397	2061
2293	3.077	34.952	6.16				2.896	27.856	41.426	2263
2528	2.832	34.943	6.23				2.633	27.873	41.464	2494

ENDEAVOR 88 STA- 39
DATE 17/ 8/82

LAT= 37 12.1N LON= 73 30.9W

SONIC DEPTH= 2620m

PR	T	S	OZ	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	25.954	32.862	4.64	25.963	21.434	27.700	33.763	0.019	25.87	3
25	20.308	35.667	5.62	20.303	25.191	31.551	37.703	0.116	17.12	25
50	16.732	35.797	3.97	16.694	26.200	32.645	38.879	0.171	8.76	50
75	15.381	35.886	3.63	15.369	26.574	33.053	39.319	0.211	5.29	74
100	14.812	35.928	3.35	14.797	26.733	33.227	39.508	0.246	3.39	99
150	13.803	35.820	4.30	13.781	26.868	33.391	39.700	0.309	2.74	149
200	12.216	35.544	3.79	12.190	26.976	33.548	39.902	0.368	2.80	198
250	10.741	35.374	3.36	10.711	27.120	33.738	40.138	0.421	3.17	248
300	9.143	35.200	3.37	9.110	27.257	33.929	40.379	0.468	2.73	298
350	8.003	35.121	3.67	7.967	27.375	34.085	40.573	0.508	2.89	347
400	6.859	35.069	4.22	6.822	27.498	34.249	40.775	0.543	2.63	397
450	6.350	35.054	4.49	6.309	27.555	34.325	40.869	0.574	1.72	446
500	5.836	35.031	4.80	5.793	27.604	34.392	40.954	0.603	1.69	496
600	5.124	35.010	5.29	5.074	27.675	34.491	41.078	0.654	1.43	595
700	4.641	34.989	5.65	4.586	27.714	34.548	41.154	0.701	0.97	694
800	4.458	34.982	5.77	4.396	27.730	34.571	41.184	0.746	0.81	793
900	4.323	34.982	5.86	4.252	27.745	34.592	41.210	0.791	0.67	891
1000	4.176	34.973	5.95	4.098	27.754	34.607	41.231	0.835	0.63	990
1200	3.987	34.969	6.06	3.894	27.773	34.634	41.265	0.922	0.60	1188
1400	3.849	34.971	6.08	3.739	27.790	34.657	41.294	1.010	0.59	1385
1600	3.737	34.974	6.08	3.611	27.806	34.678	41.319	1.098	0.56	1582
1800	3.585	34.973	6.08	3.442	27.821	34.700	41.348	1.185	0.60	1779
2000	3.442	34.971	6.09	3.283	27.835	34.720	41.374	1.272	0.62	1976
2200	3.225	34.960	6.12	3.050	27.848	34.743	41.406	1.358	0.68	2172
2400	3.003	34.950	6.16	2.812	27.863	34.757	41.439	1.442	0.71	2369
2600	2.743	34.938	6.19	2.538	27.877	34.792	41.476	1.523	0.66	2565
2629	2.746	34.938	6.21	2.538	27.877	34.792	41.476	1.534	0.09	2593

PR	T	S	OZ	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
28	26.059	34.566	5.11				26.053	22.691	34.988	28
99	14.638	35.926	3.38				14.593	26.776	39.562	98
198	11.939	35.530	3.64				11.913	27.018	39.961	197
299	8.653	35.171	3.43				8.621	27.313	40.467	296
498	5.619	35.026	4.89				5.576	27.627	40.993	494
588	5.088	35.007	5.29				5.040	27.676	41.082	583
697	4.631	34.987	5.63				4.576	27.714	41.154	691
807	4.403	34.977	5.82				4.340	27.732	41.190	799
929	4.225	34.977	5.91	11.9	1.12	18.5	4.153	27.752	41.224	920
997	4.134	34.970	5.96	12.0	1.14	18.5	4.057	27.757	41.236	988
1096	4.050	34.970	6.10				3.975	27.765	41.251	1085
1295	3.914	34.970	6.06				3.813	27.782	41.280	1281
1492	3.800	34.976	6.08				3.683	27.800	41.308	1476
1693	3.681	34.976	6.07				3.547	27.814	41.332	1674
1891	3.513	34.967	6.07				3.363	27.824	41.357	1869
2091	3.334	34.963	6.09				3.168	27.840	41.388	2065
2292	3.099	34.952	6.12	17.6	1.14	17.7	2.918	27.854	41.423	2267
2459	2.905	34.942	6.15	17.4	1.05	16.6	2.711	27.865	41.450	2427
2629	2.748	34.934	6.21	19.7	1.17	18.2	2.540	27.874	41.472	2593

ENDEAVOR 88 STA- 40
DATE 17/ 8/82

LAT= 36 29.4N LON= 73 50.6W

SONIC DEPTH= 2762m

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	26.438	33.908	4.70	26.438	22.075	28.323	34.369	0.017	19.82	3
25	27.205	35.757	4.68	27.199	23.226	29.445	35.462	0.127	9.79	25
50	14.207	34.442	5.39	14.200	25.714	32.240	38.550	0.221	18.55	50
75	14.375	35.419	3.95	14.364	26.434	32.945	39.242	0.266	6.47	74
100	14.950	35.909	3.40	14.935	26.688	33.179	39.456	0.303	4.94	99
150	12.212	35.590	3.44	12.192	27.011	33.532	39.937	0.354	3.75	149
200	10.717	35.352	3.22	10.693	27.114	33.733	40.133	0.415	1.93	198
250	9.802	35.271	3.35	9.773	27.203	33.852	40.281	0.463	3.30	248
300	7.927	35.138	3.90	7.897	27.398	34.111	40.600	0.505	3.57	298
350	6.973	35.094	4.18	6.940	27.501	34.248	40.770	0.538	2.40	347
400	6.199	35.057	4.61	6.163	27.577	34.352	40.901	0.568	2.30	397
450	5.639	35.042	4.93	5.601	27.637	34.432	41.000	0.595	1.70	446
500	5.202	35.006	5.20	5.161	27.662	34.474	41.058	0.620	1.28	496
600	4.803	34.998	5.52	4.755	27.702	34.529	41.129	0.667	1.10	595
700	4.533	34.992	5.70	4.498	27.726	34.564	41.172	0.711	0.81	694
800	4.315	34.973	5.87	4.253	27.738	34.585	41.203	0.755	0.71	793
900	4.211	34.975	5.96	4.141	27.752	34.603	41.225	0.799	0.70	891
1000	4.110	34.973	6.00	4.033	27.761	34.617	41.243	0.842	0.55	990
1200	4.000	34.978	6.05	3.907	27.778	34.639	41.270	0.928	0.58	1188
1400	3.846	34.975	6.09	3.736	27.794	34.661	41.298	1.015	0.56	1385
1600	3.718	34.975	6.10	3.592	27.808	34.681	41.323	1.102	0.60	1582
1800	3.577	34.973	6.12	3.434	27.822	34.701	41.349	1.189	0.59	1779
2000	3.442	34.969	6.10	3.283	27.834	34.719	41.373	1.276	0.60	1976
2200	3.257	34.961	6.14	3.081	27.847	34.740	41.402	1.362	0.60	2172
2400	3.056	34.954	6.16	2.875	27.860	34.762	41.432	1.447	0.68	2369
2600	2.827	34.942	6.21	2.620	27.873	34.785	41.465	1.530	0.80	2565
2777	2.531	34.929	6.21	2.362	27.885	34.808	41.498	1.600	0.52	2739

PR	T	S	O2	SIL	PHOS	N33	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
11	26.577	34.444	4.80				26.675	22.404	34.681	11
101	14.801	35.913	3.48				14.786	26.724	39.500	100
197	10.751	35.373	3.16				10.727	27.116	40.133	195
298	7.937	35.155	3.85				7.907	27.410	40.612	296
390	6.437	35.084	4.48				6.401	27.567	40.873	387
500	5.257	35.028	5.19				5.216	27.672	41.064	496
597	4.722	34.988	5.57				4.675	27.703	41.136	591
695	4.529	34.988	5.73				4.474	27.726	41.174	689
794	4.421	34.989	5.79				4.359	27.739	41.196	787
865	4.326	34.986	5.83				4.259	27.748	41.212	856
1071	4.038	34.977	6.03				4.015	27.756	41.249	1061
1293	3.925	34.972	6.08				3.825	27.782	41.280	1279
1495	3.754	34.974	6.11				3.666	27.800	41.310	1479
1688	3.649	34.970	6.11				3.516	27.812	41.333	1669
1886	3.490	34.970	6.11				3.341	27.829	41.364	1863
2088	3.349	34.967	6.12				3.182	27.842	41.389	2062
2290	3.172	34.954	6.17				2.989	27.850	41.412	2261
2446	3.007	34.949	6.18				2.812	27.862	41.438	2414
2775	2.552	34.926	6.25				2.363	27.883	41.496	2737

ENDEAVOR 88 STA- 41
DATE 17/ 8/82

LAT= 36 39.1N LON= 73 57.7W

SONIC DEPTH= 2555m

PR	T	S	O2	θ	SIG-3	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	27.426	35.715	4.69	27.426	23.122	29.336	35.350	0.014	2.01	3
25	24.139	36.263	4.84	24.194	24.542	30.813	36.881	0.113	18.99	25
50	18.334	35.931	4.49	18.326	25.905	32.309	38.503	0.177	9.42	50
75	17.092	36.175	3.54	17.079	26.398	32.830	39.052	0.223	5.91	74
100	13.910	35.530	4.45	13.896	26.620	33.142	39.450	0.262	4.85	99
150	13.210	35.589	4.53	13.189	26.812	33.354	39.680	0.328	2.44	149
200	12.634	35.587	3.89	12.606	26.927	33.487	39.829	0.390	2.75	198
250	11.263	35.432	3.46	11.231	27.070	33.672	40.056	0.446	3.46	248
300	9.328	35.213	3.40	9.294	27.238	33.903	40.348	0.493	2.69	298
350	8.270	35.130	3.63	8.233	27.341	34.042	40.521	0.536	2.90	347
400	7.131	35.070	4.09	7.093	27.462	34.203	40.720	0.573	2.99	397
450	6.129	35.030	4.63	6.089	27.565	34.343	40.895	0.604	2.05	446
500	5.683	35.013	4.91	5.640	27.609	34.403	40.971	0.632	1.54	496
600	5.093	35.005	5.36	5.044	27.674	34.431	41.080	0.683	1.27	595
700	4.856	35.010	5.58	4.800	27.706	34.532	41.130	0.731	1.12	694
800	4.546	34.994	5.77	4.483	27.729	34.567	41.176	0.776	0.84	793
900	4.392	34.990	5.87	4.321	27.744	34.588	41.203	0.821	0.80	891
1000	4.236	34.986	5.96	4.157	27.758	34.609	41.230	0.865	0.60	990
1200	4.039	34.975	6.06	3.945	27.772	34.631	41.260	0.953	0.59	1188
1400	3.872	34.972	6.10	3.762	27.789	34.655	41.291	1.041	0.57	1385
1600	3.695	34.973	6.12	3.570	27.809	34.683	41.326	1.129	0.74	1582
1800	3.502	34.970	6.14	3.361	27.827	34.709	41.360	1.215	0.58	1779
2000	3.330	34.965	6.09	3.222	27.836	34.724	41.380	1.300	0.50	1976
2200	3.252	34.958	6.15	3.077	27.845	34.738	41.400	1.387	0.64	2172
2400	3.026	34.950	6.11	2.835	27.860	34.753	41.435	1.471	0.71	2369
2559	2.934	34.945	6.16	2.729	27.866	34.774	41.450	1.537	-0.04	2525

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
9	27.515	35.745	4.77				27.513	23.116	35.341	9
101	16.739	36.268	3.66				16.722	26.555	39.224	100
201	12.619	35.606	3.96				12.592	26.945	39.847	199
295	9.048	35.206	3.35				9.015	27.277	40.405	292
394	7.115	35.084	3.99				7.077	27.474	40.734	390
494	5.896	35.026	4.74				5.853	27.592	40.938	489
596	5.264	35.032	5.19				5.214	27.676	41.068	590
696	4.812	35.023	5.51				4.756	27.722	41.148	689
798	4.474	34.994	5.76				4.411	27.737	41.190	791
974	4.237	34.995	5.92				4.161	27.765	41.237	964
996	4.153	34.990	5.96				4.076	27.770	41.248	986
1096	4.057	34.989	6.03				3.972	27.781	41.266	1085
1198	3.974	34.981	6.06				3.880	27.784	41.277	1185
1296	3.895	34.980	6.11				3.795	27.792	41.291	1282
1483	3.782	34.979	6.11				3.666	27.804	41.313	1467
1690	3.646	34.987	6.11				3.512	27.826	41.347	1671
1892	3.484	34.973	6.12				3.335	27.832	41.367	1869
2091	3.306	34.966	6.14				3.140	27.845	41.396	2065
2222	3.157	34.982	6.12				2.981	27.873	41.435	2194
2558	2.934	34.954	6.21				2.730	27.873	41.456	2523

ENDEAVOR 98 STA- 42
DATE 17/ 8/82

LAT= 36 45.6N LON= 74 2.2W

SONIC DEPTH= 2445m

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	27.390	35.570	4.64	27.389	23.024	29.241	35.256	0.015	4.54	3
25	23.558	36.340	4.88	23.553	24.790	31.074	37.154	0.109	17.37	25
50	19.814	36.439	3.60	19.805	25.913	32.277	38.433	0.172	8.90	50
75	18.309	36.356	3.51	18.296	26.239	32.639	38.830	0.220	5.65	74
100	16.593	36.121	3.57	16.566	26.479	32.925	39.159	0.261	4.99	99
150	13.179	35.519	4.46	13.158	26.764	33.308	39.636	0.332	3.21	149
200	12.904	35.603	4.17	12.876	26.886	33.437	39.772	0.395	2.78	198
250	11.455	35.461	3.34	11.423	27.057	33.653	40.031	0.453	3.24	248
300	10.435	35.342	3.40	10.398	27.150	33.779	40.188	0.504	3.50	298
350	8.491	35.148	3.52	8.454	27.321	34.015	40.487	0.549	2.55	347
400	7.683	35.099	3.76	7.643	27.405	34.127	40.626	0.587	2.72	397
450	6.411	35.041	4.43	6.370	27.537	34.304	40.846	0.621	2.63	446
500	5.825	35.010	4.75	5.782	27.588	34.378	40.940	0.650	1.93	496
600	5.051	34.986	5.29	5.012	27.663	34.481	41.071	0.702	1.17	595
700	4.812	34.987	5.52	4.755	27.694	34.521	41.121	0.751	1.09	694
800	4.510	34.981	5.73	4.447	27.723	34.553	41.173	0.797	0.78	793
900	4.325	34.973	5.86	4.255	27.738	34.585	41.203	0.842	0.75	891
1000	4.233	34.970	5.94	4.154	27.746	34.597	41.219	0.887	0.66	990
1200	4.012	34.967	6.03	3.919	27.769	34.629	41.259	0.977	0.65	1188
1400	3.915	34.970	6.07	3.805	27.782	34.647	41.281	1.065	0.52	1385
1600	3.754	34.973	6.06	3.638	27.802	34.673	41.314	1.154	0.62	1582
1800	3.583	34.974	6.09	3.440	27.822	34.701	41.349	1.242	0.71	1779
2000	3.378	34.967	6.11	3.219	27.838	34.726	41.382	1.328	0.49	1976
2200	3.150	34.959	6.14	2.986	27.853	34.751	41.416	1.413	0.73	2172
2400	3.037	34.952	6.08	2.847	27.861	34.754	41.435	1.496	0.41	2369
2439	3.037	34.952	6.10	2.842	27.861	34.754	41.436	1.512	0.20	2407
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
201	12.910	35.627	4.34				12.882	26.903	39.789	199
304	10.294	35.343	3.33				10.258	27.176	40.222	301
399	7.747	35.116	3.74				7.706	27.409	40.625	396
503	5.906	35.013	4.79				5.862	27.581	40.927	499
602	5.053	34.989	5.30				5.004	27.666	41.075	597
699	4.779	34.999	5.51				4.723	27.707	41.136	693
798	4.487	34.986	5.75				4.424	27.730	41.181	790
889	4.347	34.977	5.85				4.277	27.739	41.202	880
984	4.219	34.973	5.93				4.143	27.750	41.223	974
1086	4.057	34.975	6.01				3.973	27.759	41.255	1076
1179	3.953	34.976	6.01				3.872	27.781	41.274	1167
1274	3.907	34.971	6.07				3.808	27.783	41.282	1261
1362	3.897	34.975	6.07				3.790	27.788	41.288	1347
1591	3.739	34.973	6.08				3.613	27.805	41.318	1573
1793	3.579	34.976	6.08				3.437	27.824	41.352	1772
2014	3.359	34.973	6.08				3.199	27.845	41.391	1989
2206	3.153	34.966	6.09				2.989	27.859	41.421	2178
2440	3.037	34.958	6.13				2.842	27.866	41.440	2408

ENDEAVOR 88 STA- 43
DATE 18/ 8/82

LAT= 36 53.9N LON= 74 7.9W

SONIC DEPTH= 2290m

PR	T	S	O2	θ	SIG-B	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	26.047	32.656	4.90	26.047	21.254	27.520	33.583	0.020	24.57	3
25	24.822	36.232	4.87	24.817	24.330	30.539	36.646	0.128	19.29	25
50	19.198	36.169	4.53	19.189	25.868	32.248	38.420	0.192	9.31	50
75	14.899	35.668	4.01	14.888	26.513	33.007	39.288	0.237	6.48	74
100	16.191	36.208	4.11	16.175	26.638	33.092	39.335	0.274	2.95	99
150	15.024	36.019	3.79	15.001	26.759	33.246	39.521	0.342	2.18	149
200	13.955	35.836	3.29	13.936	26.848	33.366	39.670	0.407	3.06	198
250	11.535	35.495	3.44	11.503	27.069	33.652	40.037	0.465	3.44	248
300	9.783	35.275	3.35	9.748	27.210	33.850	40.290	0.515	3.25	298
350	8.657	35.167	3.46	8.630	27.309	33.996	40.462	0.559	2.56	347
400	7.579	35.101	3.89	7.540	27.422	34.147	40.649	0.598	2.67	397
450	6.713	35.060	4.29	6.671	27.512	34.258	40.800	0.632	3.01	446
500	5.734	35.012	4.79	5.740	27.595	34.386	40.950	0.661	1.50	496
600	5.131	34.993	5.20	5.132	27.655	34.468	41.054	0.715	1.45	595
700	4.744	34.988	5.53	4.688	27.701	34.532	41.133	0.753	1.22	694
800	4.520	34.983	5.73	4.457	27.724	34.563	41.173	0.809	0.89	793
900	4.309	34.976	5.86	4.238	27.742	34.590	41.208	0.854	0.66	891
1000	4.235	34.979	5.92	4.157	27.753	34.604	41.225	0.899	0.68	990
1200	4.008	34.970	6.05	3.914	27.771	34.631	41.262	0.987	0.59	1188
1400	3.880	34.972	6.05	3.770	27.788	34.654	41.289	1.075	0.59	1385
1600	3.757	34.974	6.07	3.630	27.804	34.675	41.316	1.153	0.58	1582
1800	3.589	34.974	6.07	3.446	27.822	34.700	41.348	1.250	0.60	1779
2000	3.443	34.969	6.08	3.283	27.834	34.719	41.373	1.337	0.57	1976
2200	3.303	34.954	6.13	3.127	27.845	34.736	41.396	1.424	0.63	2172
2301	3.229	34.950	6.10	3.045	27.849	34.744	41.408	1.467	0.49	2272

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-B	SIG-3	DE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
11	28.242	35.682	4.86				28.239	22.831	35.033	11
100	16.395	36.251	4.26				16.379	26.631	39.317	100
201	14.315	35.944	3.81				14.255	26.857	39.659	199
299	9.923	35.286	3.24				9.888	27.195	40.266	297
399	7.518	35.096	3.81				7.478	27.427	40.658	395
498	5.757	35.014	4.79				5.724	27.599	40.955	494
597	5.119	34.986	5.26				5.070	27.656	41.060	592
695	4.659	34.980	5.67				4.604	27.705	41.143	689
795	4.509	34.984	5.75				4.446	27.726	41.176	788
894	4.301	34.976	5.88				4.231	27.743	41.209	886
993	4.216	34.978	6.27				4.138	27.754	41.228	983
1092	4.117	34.971	5.98				4.032	27.760	41.242	1081
1290	3.948	34.957	6.07				3.848	27.776	41.272	1276
1491	3.818	34.977	6.08				3.700	27.799	41.306	1474
1689	3.691	34.971	6.08				3.557	27.808	41.326	1670
1892	3.524	34.968	6.09				3.373	27.824	41.356	1869
2087	3.383	34.955	6.06				3.216	27.837	41.382	2061
2300	3.228	34.958	6.14				3.043	27.848	41.406	2271

ENDEAVOR 88 STA- 44 LAT= 37 3.4N LON= 74 13.4W SONIC DEPTH= 1970m
DATE 18/ 8/82

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	25.189	31.443	5.10	25.188	20.601	26.894	32.983	0.021	28.88	3
25	19.150	34.834	5.72	19.155	24.856	31.249	37.434	0.134	19.13	25
50	10.755	34.084	5.00	10.759	26.105	32.736	39.148	0.192	8.76	50
75	12.428	34.887	4.62	12.418	26.421	32.993	39.348	0.236	6.47	74
100	13.158	35.383	3.94	13.144	26.661	33.207	39.537	0.273	4.98	99
150	12.637	35.524	3.52	12.617	26.954	33.512	39.855	0.336	3.44	149
200	11.147	35.438	3.37	11.122	27.095	33.700	40.087	0.389	2.72	198
250	9.959	35.310	3.45	9.930	27.206	33.850	40.274	0.437	2.63	248
300	8.550	35.159	3.51	8.528	27.318	34.010	40.478	0.480	2.63	298
350	7.616	35.105	3.84	7.581	27.419	34.143	40.643	0.518	2.66	347
400	6.740	35.061	4.30	6.703	27.508	34.263	40.793	0.552	2.04	397
450	6.045	35.036	4.70	6.005	27.581	34.351	40.916	0.581	1.77	446
500	5.604	35.014	4.96	5.562	27.619	34.416	40.987	0.609	1.61	496
600	4.956	34.990	5.40	4.908	27.678	34.500	41.094	0.659	1.03	595
700	4.684	34.984	5.58	4.628	27.705	34.538	41.141	0.706	0.94	694
800	4.430	34.979	5.75	4.417	27.725	34.556	41.177	0.752	0.81	793
900	4.334	34.979	5.86	4.263	27.741	34.588	41.205	0.797	0.80	891
1000	4.202	34.974	5.93	4.124	27.753	34.605	41.228	0.842	0.65	990
1200	4.009	34.972	6.04	3.916	27.773	34.633	41.263	0.930	0.59	1188
1400	3.890	34.973	6.08	3.780	27.787	34.653	41.288	1.018	0.56	1385
1600	3.802	34.975	6.08	3.675	27.800	34.659	41.309	1.107	0.57	1582
1800	3.722	34.975	6.08	3.577	27.810	34.683	41.326	1.196	0.27	1779
1985	3.634	34.975	6.03	3.473	27.820	34.697	41.344	1.280	0.65	1961

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
6	25.302	31.636	5.05				25.300	20.713	33.087	6
110	13.394	35.574	4.10				13.379	26.761	39.620	109
211	10.759	35.391	3.27				10.744	27.127	40.143	209
306	8.505	35.155	3.42				8.473	27.324	40.488	303
405	6.534	35.051	4.31				6.547	27.521	40.818	401
502	5.466	35.004	4.99				5.424	27.628	41.006	498
604	5.032	34.994	5.34				4.983	27.673	41.083	598
700	4.554	34.977	5.61				4.608	27.702	41.140	694
791	4.491	34.977	5.76				4.429	27.722	41.174	784
893	4.333	34.976	0.00				4.263	27.739	41.203	885
993	4.198	34.976	5.93				4.121	27.754	41.229	984
1095	4.114	34.969	5.99				4.028	27.759	41.241	1084
1191	4.022	34.958	6.07				3.929	27.768	41.258	1179
1295	3.951	34.972	6.06				3.860	27.779	41.273	1281
1395	3.883	34.971	6.07				3.773	27.787	41.288	1380
1495	3.842	34.973	6.09				3.724	27.793	41.298	1478
1694	3.730	34.975	6.05				3.595	27.808	41.323	1675
1984	3.635	34.972	6.08				3.474	27.818	41.342	1960

ENDEAVOR 88 STA- 45
DATE 18/ 8/82

LAT= 37 10.0N LON= 74 20.3W

SONIC DEPTH= 1655m

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
5	25.298	31.665	5.08	25.297	20.736	27.025	33.110	0.035	28.06	5
25	20.582	35.542	5.15	20.578	25.023	31.377	37.524	0.136	19.57	25
50	16.871	36.079	3.56	16.863	26.377	32.815	39.042	0.188	8.93	50
75	14.558	35.885	3.49	14.557	26.753	33.253	39.541	0.225	5.75	74
100	13.074	35.698	3.45	13.061	26.923	33.457	39.797	0.255	3.76	99
150	11.353	35.465	3.36	11.334	27.077	33.675	40.056	0.309	2.93	149
200	9.989	35.303	3.29	9.966	27.195	33.838	40.261	0.357	2.58	198
250	8.994	35.199	3.36	8.967	27.280	33.956	40.411	0.400	2.56	248
300	7.902	35.124	3.68	7.872	27.391	34.105	40.596	0.439	2.71	298
350	6.966	35.076	4.13	6.933	27.488	34.235	40.757	0.474	2.36	347
400	6.172	35.042	4.53	6.136	27.558	34.344	40.894	0.504	1.83	397
450	5.734	35.025	4.79	5.696	27.611	34.404	40.969	0.532	1.79	446
500	5.318	35.010	5.09	5.276	27.651	34.459	41.039	0.557	1.46	496
600	4.833	34.995	5.48	4.785	27.696	34.523	41.121	0.605	1.07	595
700	4.632	34.989	5.66	4.577	27.715	34.549	41.155	0.651	0.83	694
800	4.404	34.979	5.81	4.342	27.733	34.577	41.191	0.696	0.69	793
900	4.257	34.975	5.91	4.187	27.747	34.597	41.217	0.740	0.78	891
1000	4.158	34.974	5.96	4.080	27.757	34.611	41.235	0.784	0.54	990
1200	4.033	34.971	6.01	3.939	27.769	34.629	41.258	0.872	0.55	1188
1400	3.982	34.975	6.05	3.871	27.780	34.642	41.274	0.961	0.32	1385
1600	3.973	34.976	6.06	3.844	27.783	34.646	41.279	1.053	0.20	1582
1641	3.958	34.976	6.05	3.835	27.784	34.648	41.281	1.072	0.29	1622

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
6	25.374	31.689	4.98				25.372	20.731	33.102	6
115	12.449	35.610	3.39				12.434	26.979	39.891	114
215	9.422	35.237	3.31				9.398	27.239	40.342	213
308	7.653	35.106	3.71				7.633	27.412	40.633	306
401	6.044	35.027	4.58				6.009	27.573	40.908	398
505	5.203	34.999	5.17				5.162	27.656	41.052	501
603	4.795	34.990	5.49				4.747	27.697	41.124	598
701	4.555	34.977	5.67				4.510	27.713	41.159	695
796	4.397	34.978	5.81				4.335	27.733	41.192	788
871	4.302	34.972	5.87				4.234	27.739	41.205	863
996	4.172	34.970	5.96				4.094	27.753	41.229	987
1124	4.098	34.966	6.00				4.010	27.758	41.242	1113
1204	4.036	34.970	6.03				3.942	27.769	41.257	1191
1300	3.997	34.959	6.04				3.895	27.773	41.265	1286
1378	3.990	34.958	6.04				3.881	27.773	41.266	1363
1481	3.979	34.970	6.03				3.861	27.777	41.272	1465
1639	3.971	34.970	6.07				3.839	27.779	41.276	1621

ENDEAVOR 88 STA- 46
DATE 19/ 8/82

LAT= 36 39.3N LON= 74 19.4W

SONIC DEPTH= 1930m

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	26.403	33.627	4.66	26.402	21.875	28.126	34.174	0.018	17.02	3
25	26.821	36.120	4.81	26.815	23.623	29.845	35.867	0.127	18.93	25
50	19.267	36.460	3.48	19.258	26.072	32.448	38.616	0.197	11.01	50
75	17.338	36.324	3.59	17.325	26.454	32.878	39.092	0.240	5.64	74
100	16.664	36.283	4.01	16.648	26.584	33.026	39.257	0.278	5.04	99
150	15.696	36.259	4.90	15.672	26.793	33.250	39.515	0.345	0.41	149
200	15.653	36.246	4.93	15.622	26.794	33.263	39.519	0.410	0.27	198
250	15.660	36.246	5.00	15.621	26.794	33.263	39.520	0.476	1.34	248
300	13.304	35.759	3.88	13.261	26.928	33.467	39.790	0.541	4.16	298
350	10.007	35.297	3.19	9.966	27.190	33.833	40.256	0.594	3.72	347
400	8.424	35.152	3.44	8.382	27.336	34.032	40.506	0.638	3.19	397
450	6.727	35.052	4.17	6.685	27.504	34.250	40.791	0.674	3.11	446
500	5.993	35.031	4.52	5.949	27.584	34.357	40.924	0.705	1.80	496
600	5.339	35.023	5.01	5.289	27.659	34.457	41.046	0.758	1.42	595
700	4.848	35.001	5.39	4.791	27.700	34.526	41.124	0.806	1.05	694
800	4.556	34.995	5.53	4.503	27.728	34.565	41.173	0.852	0.90	793
900	4.386	34.989	5.76	4.315	27.744	34.588	41.204	0.897	0.78	891
1000	4.241	34.981	5.85	4.163	27.754	34.605	41.226	0.941	0.65	990
1200	4.019	34.972	5.95	3.925	27.772	34.632	41.262	1.030	0.62	1188
1400	3.903	34.975	5.98	3.793	27.788	34.653	41.288	1.118	0.59	1385
1600	3.750	34.975	5.98	3.623	27.805	34.677	41.318	1.206	0.58	1582
1800	3.552	34.974	5.97	3.508	27.816	34.692	41.337	1.294	0.44	1779
1927	3.607	34.972	5.98	3.452	27.820	34.698	41.346	1.350	0.45	1904

PR	T	S	O2	SIL	PHOS	N33	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
13	27.723	35.800	4.57	1.1	0.01	0.1	27.720	23.090	35.307	12
100	16.865	36.340	4.31	2.8	0.27	7.2	16.848	26.581	39.242	99
198	15.645	36.249	5.10	3.0	0.27	6.4	15.614	26.798	39.524	197
298	12.711	35.736	3.93				12.670	27.030	39.926	296
402	8.098	35.137	3.61	16.0	1.29	24.8	8.057	27.373	40.565	398
494	6.243	35.040	4.52				6.199	27.559	40.880	489
597	5.227	35.018	5.18	13.7	1.12	20.3	5.178	27.669	41.064	592
698	4.737	34.998	5.67	12.3	1.14	18.1	4.741	27.704	41.132	692
785	4.531	34.992	5.73				4.469	27.730	41.178	778
894	4.346	34.983	5.91	12.7	1.14	18.6	4.276	27.743	41.206	886
999	4.221	34.979	5.94	12.6	1.14	18.4	4.143	27.754	41.228	989
1091	4.108	34.975	6.05				4.023	27.764	41.246	1080
1296	3.953	34.972	6.05				3.861	27.778	41.273	1282
1484	3.835	34.976	6.23	13.1	0.99	17.1	3.718	27.796	41.302	1468
1669	3.699	34.974	6.06	13.7	0.95	15.6	3.557	27.810	41.327	1650
1923	3.607	34.971	6.12	14.0	1.02	15.2	3.452	27.819	41.345	1900

ENDEAVOR 88 STA- 47 LAT= 35 56.5N LON= 74 47.8W SONIC DEPTH= 360m
DATE 20/ 8/82

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	25.282	30.299	5.05	25.281	19.710	26.012	32.108	0.008	34.57	1
25	7.609	32.958	5.33	7.606	25.727	32.475	38.997	0.121	11.72	25
50	7.540	33.111	4.88	7.535	25.857	32.605	39.129	0.176	2.37	50
75	9.053	33.610	4.66	9.045	26.023	32.714	39.183	0.228	6.20	74
100	13.177	35.427	3.53	13.163	26.692	33.236	39.565	0.271	6.62	99
150	12.240	35.565	3.32	12.220	26.986	33.557	39.911	0.332	3.36	149
200	10.849	35.399	3.29	10.825	27.119	33.733	40.129	0.384	2.74	198
250	9.603	35.257	3.27	9.574	27.225	33.881	40.316	0.430	2.42	248
300	8.349	35.139	3.45	8.318	27.335	34.033	40.509	0.473	2.89	298
350	7.120	35.080	3.97	7.086	27.470	34.212	40.729	0.509	3.15	347
361	6.941	35.070	4.03	6.906	27.488	34.236	40.759	0.516	1.13	358

PR	T	S	O2	SIL	PHOS	N33	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
16	14.334	32.831	6.60					14.331	24.443	16
199	10.969	35.415	3.26					10.944	27.109	197
364	6.942	35.073	4.10					6.907	27.490	361

ENDEAVOR 38 STA- 48
DATE 20/ 8/82

LAT= 35 51.1N LON= 74 24.5W

SONIC DEPTH= 2190m

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	27.551	35.410	4.55	27.561	22.849	29.053	35.077	0.015	5.40	3
25	27.406	35.982	4.87	27.400	23.331	29.544	35.556	0.122	13.20	25
50	21.742	36.289	4.26	21.732	25.274	31.596	37.713	0.213	14.89	50
75	18.380	36.283	3.46	18.367	26.164	32.553	38.753	0.267	6.92	74
100	16.312	36.081	3.26	16.296	26.512	32.964	39.206	0.309	5.70	99
150	14.051	35.863	3.65	14.039	26.847	33.362	39.663	0.377	2.92	149
200	12.537	35.627	3.32	12.510	26.978	33.539	39.884	0.436	3.00	198
250	11.434	35.486	3.39	11.402	27.080	33.676	40.054	0.490	2.57	248
300	10.132	35.321	3.31	10.097	27.186	33.825	40.243	0.539	2.76	298
350	9.075	35.220	3.43	9.037	27.285	33.959	40.411	0.584	2.43	347
400	7.903	35.139	3.74	7.862	27.404	34.118	40.609	0.624	3.18	397
450	6.413	35.049	4.30	6.372	27.543	34.311	40.852	0.657	2.18	446
500	5.736	35.021	4.58	5.743	27.602	34.392	40.956	0.686	1.72	496
600	5.151	34.999	5.15	5.112	27.662	34.476	41.062	0.738	1.25	595
700	4.751	34.985	5.47	4.705	27.698	34.527	41.129	0.786	1.08	694
800	4.522	34.978	5.65	4.458	27.719	34.559	41.169	0.833	0.85	793
900	4.330	34.972	5.78	4.260	27.736	34.583	41.201	0.878	0.71	892
1000	4.253	34.971	5.85	4.174	27.745	34.595	41.216	0.923	0.62	990
1200	4.094	34.971	5.96	4.000	27.763	34.620	41.247	1.013	0.57	1188
1400	3.978	34.972	5.93	3.867	27.778	34.640	41.272	1.104	0.53	1385
1600	3.854	34.973	5.98	3.726	27.793	34.661	41.298	1.194	0.56	1582
1800	3.754	34.974	6.04	3.609	27.805	34.678	41.319	1.285	0.56	1779
2000	3.606	34.972	5.95	3.444	27.820	34.699	41.347	1.377	0.66	1976
2200	3.427	34.965	5.94	3.249	27.834	34.721	41.376	1.468	0.66	2173
2211	3.423	34.966	5.89	3.243	27.835	34.722	41.378	1.473	0.57	2183

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	27.547	35.548	4.71				27.545	22.957	35.184	10
101	16.105	36.070	3.32				16.089	26.551	39.256	100
199	12.417	35.619	3.41				12.391	26.995	39.908	198
301	10.194	35.330	3.34				10.158	27.183	40.236	298
399	8.027	35.156	3.73				7.986	27.399	40.595	396
498	5.732	35.027	4.81				5.689	27.614	40.972	494
598	5.130	35.006	5.28				5.080	27.671	41.073	592
697	4.732	34.987	5.57				4.676	27.702	41.135	691
796	4.506	34.978	5.74				4.443	27.721	41.172	789
896	4.340	34.977	5.85				4.270	27.739	41.203	888
996	4.247	34.974	5.93				4.169	27.748	41.219	986
1096	4.153	34.974	5.98				4.077	27.758	41.236	1085
1179	4.097	34.970	6.04				4.004	27.762	41.246	1167
1320	4.010	34.973	6.05				3.906	27.775	41.266	1306
1494	3.913	34.976	6.08				3.794	27.789	41.288	1477
1693	3.800	34.973	6.10				3.665	27.799	41.309	1674
1894	3.701	34.974	6.14				3.548	27.812	41.330	1871
2132	3.515	34.967	6.05				3.342	27.826	41.361	2105
2211	3.419	34.968	6.14				3.240	27.837	41.380	2183

ENDEAVOR 88 STA- 49 LAT= 35 45.1N LON= 74 1.6W SONIC DEPTH= 2815m
DATE 20/ 8/82

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	28.529	35.972	4.55	28.528	22.954	29.147	35.141	0.015	-1.66	3
25	28.558	35.970	4.62	28.552	22.945	29.137	35.131	0.123	2.63	25
50	27.258	36.141	4.77	27.257	23.497	29.711	35.725	0.241	10.14	50
75	25.310	36.494	4.09	25.294	24.383	30.630	36.676	0.342	10.66	74
100	22.783	36.424	4.51	22.762	25.084	31.353	37.478	0.422	8.59	99
150	18.954	36.445	3.70	18.938	26.143	32.527	38.703	0.541	6.37	149
200	17.241	36.287	3.43	17.208	26.453	32.881	39.098	0.629	4.30	198
250	15.759	36.121	3.71	15.720	26.675	33.143	39.398	0.705	3.30	248
300	13.742	35.794	3.33	13.698	26.865	33.391	39.702	0.773	3.07	298
350	12.318	35.595	3.37	12.271	27.000	33.569	39.921	0.833	2.75	347
400	11.252	35.453	3.31	11.201	27.092	33.695	40.079	0.888	2.38	397
450	10.210	35.327	3.31	10.156	27.181	33.818	40.234	0.940	2.51	446
500	9.222	35.216	3.33	9.166	27.251	33.931	40.379	0.987	2.41	496
600	7.669	35.126	3.83	7.608	27.431	34.154	40.654	1.070	2.74	595
700	5.323	35.005	5.02	5.264	27.648	34.456	41.037	1.133	1.99	694
800	4.861	34.986	5.38	4.795	27.688	34.514	41.112	1.184	1.02	793
900	4.657	34.980	5.55	4.594	27.706	34.540	41.145	1.232	0.62	892
1000	4.553	34.978	5.65	4.472	27.718	34.557	41.166	1.281	0.58	990
1200	4.339	34.971	5.81	4.243	27.738	34.585	41.203	1.378	0.72	1188
1400	4.113	34.971	5.92	4.001	27.763	34.620	41.247	1.473	0.68	1385
1600	3.947	34.972	5.97	3.818	27.793	34.647	41.281	1.567	0.64	1582
1800	3.832	34.975	5.96	3.686	27.799	34.668	41.307	1.660	0.60	1779
2000	3.644	34.972	5.96	3.482	27.817	34.694	41.341	1.753	0.63	1976
2200	3.497	34.969	5.95	3.318	27.830	34.714	41.367	1.845	0.66	2173
2400	3.318	34.961	5.98	3.123	27.843	34.734	41.395	1.935	0.61	2369
2600	3.079	34.950	6.02	2.868	27.858	34.760	41.430	2.024	0.69	2565
2800	2.953	34.944	6.08	2.724	27.866	34.774	41.449	2.111	0.30	2761
2823	2.943	34.943	6.05	2.712	27.866	34.775	41.451	2.121	0.48	2784

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
7	28.556	36.091	4.63				28.555	23.034	35.218	6
114	21.932	36.426	4.41				21.909	25.329	37.758	113
187	17.540	36.419	3.79				17.808	26.408	39.021	185
294	13.648	35.801	3.49				13.606	26.890	39.732	291
505	9.155	35.222	3.50				9.109	27.275	40.396	501
595	7.627	35.126	3.88				7.566	27.437	40.662	589
696	5.296	35.008	5.12				5.237	27.654	41.045	689
810	4.737	34.986	5.49				4.722	27.696	41.126	803
922	4.647	34.982	5.60				4.572	27.710	41.151	913
1010	4.570	34.981	5.64				4.489	27.719	41.166	1001
1208	4.297	34.974	5.88				4.200	27.744	41.213	1196
1399	4.116	34.972	5.98				4.004	27.764	41.247	1384
1610	3.924	34.975	6.04				3.795	27.788	41.287	1592
1801	3.827	34.974	6.05				3.681	27.799	41.307	1780
2013	3.648	34.975	6.13				3.484	27.819	41.342	1988
2201	3.484	34.971	6.07				3.305	27.833	41.371	2173
2396	3.331	34.952	6.11				3.135	27.842	41.393	2365
2598	3.076	34.949	6.12				2.865	27.857	41.429	2563
2822	2.943	34.948	6.17				2.712	27.870	41.455	2783

ENDEAVOR 88 STA- 50
DATE 20/ 8/82

LAT= 35 39.8N LON= 73 38.6W

SONIC DEPTH= 3405m

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	28.596	35.948	4.61	28.595	22.913	29.106	35.098	0.015	0.31	3
25	28.386	35.997	4.72	28.380	23.022	29.217	35.213	0.123	9.05	25
50	25.685	36.357	4.29	25.674	24.161	30.403	36.443	0.232	10.90	50
75	24.209	36.524	5.09	24.193	24.739	31.008	37.074	0.320	10.74	74
100	21.480	36.565	5.35	21.461	25.560	31.886	38.006	0.390	7.85	99
150	19.192	36.562	4.79	19.164	26.175	32.552	38.721	0.495	4.29	149
200	18.524	36.532	4.80	18.489	26.325	32.718	38.903	0.586	2.73	198
250	18.145	36.512	4.74	18.102	26.406	32.809	39.004	0.672	1.88	248
300	17.852	36.489	4.77	17.810	26.461	32.872	39.073	0.757	1.62	298
350	17.618	36.455	4.77	17.558	26.497	32.915	39.122	0.840	1.44	347
400	17.148	36.371	4.56	17.080	26.549	32.978	39.198	0.922	2.09	397
450	16.449	36.249	4.32	16.376	26.622	33.071	39.309	1.002	2.57	446
500	15.254	36.047	4.05	15.186	26.739	33.222	39.491	1.078	2.86	496
600	12.674	35.651	3.72	12.611	26.976	33.534	39.876	1.213	2.84	595
700	10.064	35.288	3.22	9.980	27.181	33.824	40.246	1.327	2.77	694
800	8.028	35.139	3.70	7.944	27.391	34.103	40.591	1.421	2.86	793
900	5.989	35.028	4.63	5.907	27.587	34.371	40.929	1.492	1.79	892
1000	5.288	35.006	5.16	5.202	27.657	34.458	41.051	1.551	1.50	990
1200	4.510	34.976	5.75	4.412	27.723	34.564	41.176	1.656	0.88	1188
1400	4.288	34.978	5.91	4.174	27.750	34.600	41.221	1.755	0.73	1385
1600	4.110	34.974	6.00	3.979	27.768	34.626	41.254	1.852	0.63	1582
1800	3.944	34.973	6.03	3.797	27.786	34.651	41.286	1.949	0.62	1779
2000	3.802	34.974	6.05	3.637	27.803	34.674	41.314	2.045	0.63	1976
2200	3.650	34.973	6.06	3.468	27.819	34.697	41.344	2.141	0.61	2173
2400	3.485	34.967	6.04	3.286	27.832	34.717	41.371	2.236	0.65	2369
2600	3.299	34.961	6.05	3.074	27.847	34.741	41.403	2.329	0.68	2565
2800	3.026	34.947	6.13	2.795	27.862	34.757	41.440	2.419	0.72	2761
3000	2.715	34.933	6.15	2.470	27.879	34.797	41.483	2.506	0.87	2957
3449	2.221	34.903	6.05	1.941	27.898	34.839	41.546	2.684	0.44	3396

PR	T	S	O2	SIL	PHOS	N33	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
15	28.623	35.954	4.64				28.620	22.917	35.101	15
100	21.613	36.598	5.29				21.593	25.548	37.987	99
201	18.472	36.556	4.81				18.436	26.356	38.937	199
299	17.842	36.502	4.72				17.790	26.476	39.089	297
378	17.414	36.445	4.50				17.349	26.541	39.175	375
493	15.249	36.065	4.06				15.172	26.756	39.508	488
696	9.950	35.289	3.25				9.867	27.201	40.273	690
885	6.054	35.037	4.58				5.973	27.586	40.923	877
1094	4.753	34.990	5.54				4.662	27.706	41.140	1083
1296	4.353	34.982	5.83				4.257	27.745	41.209	1283
1489	4.201	34.989	5.91				4.080	27.769	41.247	1473
1695	4.022	34.977	6.04				3.884	27.780	41.273	1676
1872	3.895	34.976	6.04				3.741	27.794	41.298	1850
2089	3.732	34.982	6.05				3.560	27.817	41.335	2063
2285	3.594	34.971	6.06				3.405	27.824	41.353	2256
2485	3.372	34.967	6.05				3.167	27.843	41.392	2452
2683	3.154	34.953	6.11				2.933	27.854	41.421	2646
2888	2.880	34.940	6.15				2.643	27.870	41.460	2847
3192	2.355	34.914	6.14				2.108	27.894	41.528	3145
3450	2.221	34.904	6.13				1.941	27.900	41.547	3397

ENDEAVOR 89 STA- 51
DATE 20/ 8/82

LAT= 35 34.2N LON= 73 14.7W

SONIC DEPTH= 3840m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	26.655	36.026	4.76	26.655	23.603	29.829	35.854	0.013	2.61	3
25	26.679	36.062	4.76	26.674	23.624	29.850	35.874	0.107	1.71	25
50	23.460	36.462	5.30	23.449	24.913	31.198	37.279	0.204	14.77	50
75	21.203	36.585	5.29	21.189	25.651	31.982	38.107	0.270	7.69	74
100	20.050	36.587	4.80	20.031	25.966	32.323	38.473	0.324	4.75	99
150	18.799	36.531	4.69	18.772	26.251	32.638	38.817	0.420	3.35	149
200	18.407	36.526	4.70	18.372	26.349	32.746	38.934	0.509	1.92	198
250	18.134	36.504	4.62	18.091	26.403	32.806	39.001	0.595	1.80	248
300	17.987	36.502	4.80	17.935	26.440	32.848	39.046	0.680	1.38	298
350	17.809	36.479	4.70	17.749	26.469	32.881	39.084	0.765	1.46	347
400	17.607	36.452	4.68	17.538	26.500	32.918	39.125	0.849	1.44	397
450	17.229	36.385	4.54	17.153	26.542	32.970	39.188	0.932	1.74	446
500	16.728	36.296	4.37	16.645	26.595	33.037	39.267	1.014	2.20	496
600	15.010	36.006	4.01	14.917	26.767	33.257	39.534	1.168	2.54	595
700	13.325	35.744	3.84	13.225	26.925	33.464	39.788	1.308	2.63	694
800	10.752	35.387	3.42	10.652	27.141	33.761	40.162	1.430	2.65	793
900	8.745	35.178	3.49	8.645	27.314	34.002	40.467	1.533	2.69	892
1000	6.870	35.090	4.26	6.772	27.522	34.274	40.802	1.616	2.34	990
1200	5.346	35.058	5.23	5.240	27.693	34.502	41.083	1.739	1.36	1188
1400	4.690	35.027	5.69	4.572	27.746	34.580	41.186	1.843	0.88	1385
1600	4.315	35.003	5.91	4.181	27.769	34.619	41.239	1.943	0.74	1582
1800	4.128	35.001	5.95	3.978	27.789	34.647	41.275	2.041	0.66	1779
2000	3.901	34.987	6.03	3.735	27.803	34.671	41.307	2.138	0.62	1976
2200	3.727	34.984	6.03	3.544	27.820	34.695	41.339	2.234	0.64	2173
2400	3.563	34.978	6.04	3.362	27.833	34.715	41.366	2.330	0.60	2369
2600	3.345	34.966	6.07	3.128	27.846	34.737	41.397	2.424	0.65	2565
2800	3.161	34.954	6.14	2.928	27.855	34.755	41.422	2.517	0.65	2761
3000	2.955	34.944	6.17	2.705	27.867	34.776	41.453	2.608	0.71	2957
3500	2.415	34.916	6.26	2.124	27.894	34.827	41.527	2.823	0.64	3446
3893	2.185	34.895	6.00	1.857	27.899	34.843	41.554	2.984	0.43	3830

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	NE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
8	26.632	36.070	5.25				26.630	23.644	35.895	7
101	20.037	36.620	4.88				20.018	25.994	38.502	100
201	18.383	36.542	4.70				18.348	26.368	38.953	199
399	17.567	36.462	4.63				17.498	26.517	39.145	396
596	15.104	36.039	3.96				15.012	26.772	39.533	591
797	10.731	35.389	3.42				10.631	27.146	40.168	790
997	6.867	35.093	4.21				6.770	27.524	40.804	987
1295	4.932	35.040	5.56				4.821	27.728	41.149	1281
1593	4.295	35.005	5.83				4.163	27.773	41.744	1575
1884	4.010	35.017	5.88				3.853	27.815	41.309	1862
2091	3.798	35.025	5.91				3.625	27.845	41.356	2065
2290	3.620	34.980	6.02				3.430	27.828	41.356	2261
2490	3.442	34.977	6.06				3.235	27.845	41.388	2457
2691	3.237	34.959	6.19				3.013	27.851	41.412	2655
2886	3.051	34.952	6.12				2.811	27.864	41.441	2846
3091	2.838	34.939	6.11				2.582	27.874	41.469	3046
3291	2.603	34.927	6.18				2.330	27.886	41.502	3242
3490	2.399	34.922	6.22				2.110	27.900	41.534	3436
3694	2.256	34.904	6.15				1.949	27.899	41.546	3636
3897	2.184	34.895	6.07				1.856	27.899	41.554	3833

ENDEAVOR 88 STA- 52
DATE 20/ 8/82

LAT= 35 27.6N LON= 72 50.6W

SONIC DEPTH= 4100m

PR	T	S	02	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cdh	m
9	26.479	35.903	4.74	26.477	23.567	29.797	35.826	0.039	1.40	9
25	25.729	35.135	5.07	25.724	23.978	30.221	36.262	0.108	16.85	25
50	21.840	36.544	5.42	21.830	25.441	31.759	37.871	0.183	9.43	50
75	20.169	36.536	5.04	20.155	25.894	32.249	38.397	0.240	6.11	74
100	19.478	36.558	4.85	19.460	26.094	32.465	38.628	0.291	3.62	99
150	18.878	36.555	4.72	18.851	26.250	32.634	38.811	0.385	2.62	149
200	18.527	36.536	4.68	18.492	26.327	32.721	38.906	0.474	2.26	198
250	18.245	36.520	4.65	18.201	26.388	32.788	38.980	0.561	1.72	248
300	18.029	36.504	4.71	17.977	26.431	32.838	39.035	0.647	1.48	298
350	17.893	36.492	4.73	17.832	26.459	32.869	39.069	0.732	1.44	347
400	17.701	36.466	4.71	17.632	26.488	32.903	39.109	0.816	1.42	397
450	17.411	36.418	4.56	17.335	26.524	32.947	39.160	0.900	1.62	446
500	16.978	36.343	4.51	16.894	26.572	33.007	39.231	0.983	1.90	496
600	15.513	36.087	4.10	15.418	26.718	33.193	39.456	1.142	2.52	595
700	13.888	35.825	3.89	13.785	26.871	33.394	39.702	1.287	2.22	694
800	12.379	35.606	3.75	12.269	27.008	33.577	39.929	1.420	2.38	793
900	10.207	35.321	3.38	10.097	27.186	33.825	40.243	1.538	2.79	892
1000	8.222	35.153	3.71	8.114	27.377	34.083	40.565	1.637	2.67	990
1200	5.420	35.032	5.12	5.314	27.664	34.470	41.049	1.780	1.79	1188
1400	4.812	35.029	5.60	4.692	27.734	34.564	41.165	1.890	0.97	1385
1600	4.412	35.008	5.85	4.277	27.763	34.609	41.225	1.992	0.75	1582
1800	4.183	35.002	5.96	4.032	27.785	34.640	41.266	2.092	0.71	1779
2000	3.859	34.975	6.08	3.694	27.798	34.666	41.305	2.190	0.69	1976
2200	3.732	34.981	6.07	3.549	27.817	34.692	41.336	2.287	0.65	2173
2400	3.503	34.970	6.09	3.304	27.832	34.717	41.370	2.382	0.67	2369
2600	3.322	34.963	6.12	3.106	27.845	34.738	41.399	2.476	0.68	2565
2800	3.084	34.949	6.13	2.852	27.858	34.751	41.432	2.567	0.71	2761
3000	2.845	34.939	6.17	2.598	27.873	34.786	41.467	2.656	0.70	2957
3500	2.363	34.913	6.23	2.074	27.896	34.831	41.533	2.867	0.55	3446
4000	2.209	34.897	6.12	1.869	27.899	34.843	41.553	3.072	0.30	3934
4159	2.207	34.894	6.05	1.849	27.899	34.844	41.554	3.139	0.20	4089

PR	T	S	02	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
22	26.392	36.010	4.69					26.387	23.676	22
98	19.646	36.586	4.87					19.629	26.072	97
195	18.535	36.556	4.71					18.500	26.340	194
290	18.022	36.507	4.55					17.972	26.435	288
385	17.664	36.471	4.61					17.598	26.500	382
486	17.072	36.372	4.46					16.990	26.571	482
680	14.097	35.864	3.84					13.996	26.857	674
890	10.241	35.330	3.44					10.132	27.187	882
1094	6.673	35.085	4.35					6.567	27.546	1083
1294	5.071	35.032	5.36					4.958	27.706	1281
1479	4.637	35.027	5.66					4.512	27.752	1463
1684	4.285	35.005	5.88					4.144	27.775	1665
1899	4.015	34.985	5.99					3.857	27.789	1867
2070	3.790	34.976	6.06					3.619	27.806	2045
2277	3.639	34.971	6.05					3.449	27.819	2248
2482	3.433	34.968	6.06					3.227	27.838	2449
2738	3.179	34.957	6.10					2.952	27.855	2700
2987	2.886	34.943	6.14					2.639	27.872	2944
3444	2.416	34.916	6.18					2.131	27.894	3391
4162	2.207	34.894	6.06					1.849	27.899	4092

ENDEAVOR 88 STA- 53
DATE 21/ 8/82

LAT= 35 20.8N LON= 72 25.5W

SONIC DEPTH= 4280m

PR	T	S	02	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deq C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
5	26.516	35.877	4.66	26.515	23.535	29.765	35.793	0.022	0.61	5
25	26.261	36.117	4.82	26.255	23.798	30.031	36.062	0.108	13.91	25
50	22.138	36.547	5.11	22.128	25.359	31.670	37.777	0.189	10.27	50
75	20.518	36.579	4.98	20.504	25.833	32.179	38.319	0.249	6.29	74
100	19.812	36.596	4.64	19.794	26.035	32.398	38.553	0.301	4.16	99
150	18.901	36.540	4.77	18.874	26.232	32.617	38.793	0.396	2.68	149
200	18.569	36.534	4.80	18.533	26.314	32.707	38.891	0.486	2.03	198
250	18.366	36.529	4.85	18.322	26.364	32.762	38.951	0.574	1.65	248
300	18.192	36.520	4.74	18.139	26.403	32.806	38.999	0.661	1.60	298
350	18.025	36.507	4.77	17.964	26.437	32.844	39.041	0.747	1.32	347
400	17.880	36.491	4.69	17.811	26.463	32.873	39.074	0.833	1.25	397
450	17.683	36.461	4.65	17.605	26.490	32.906	39.112	0.918	1.41	446
500	17.472	36.429	4.65	17.387	26.519	32.941	39.152	1.003	1.51	496
600	16.501	36.255	4.32	16.402	26.621	33.069	39.306	1.169	2.26	595
700	14.882	35.982	3.94	14.774	26.780	33.274	39.555	1.325	2.42	694
800	12.936	35.683	3.68	12.823	26.959	33.511	39.847	1.465	2.48	793
900	10.833	35.404	3.50	10.719	27.142	33.750	40.159	1.588	2.68	892
1000	8.785	35.193	3.55	8.673	27.322	34.008	40.472	1.693	2.62	990
1200	5.900	35.067	4.83	5.789	27.633	34.421	40.983	1.848	1.98	1188
1400	4.874	35.027	5.49	4.753	27.725	34.552	41.151	1.961	1.04	1385
1600	4.461	35.004	5.78	4.326	27.755	34.599	41.214	2.065	0.77	1582
1800	4.166	34.988	5.94	4.015	27.775	34.631	41.257	2.167	0.66	1779
2000	4.018	34.993	5.94	3.850	27.796	34.659	41.291	2.267	0.68	1976
2200	3.852	34.992	5.97	3.667	27.814	34.684	41.323	2.365	0.68	2173
2400	3.680	34.985	5.98	3.478	27.828	34.705	41.351	2.463	0.62	2369
2600	3.451	34.971	6.03	3.232	27.840	34.728	41.384	2.559	0.64	2565
2800	3.255	34.950	6.05	3.030	27.850	34.746	41.409	2.655	0.64	2761
3000	3.055	34.949	6.09	2.803	27.862	34.767	41.440	2.748	0.68	2957
3500	2.553	34.924	6.20	2.269	27.889	34.816	41.510	2.972	0.64	3446
4000	2.279	34.904	6.13	1.937	27.900	34.841	41.548	3.184	0.40	3934
4341	2.230	34.895	6.01	1.850	27.900	34.844	41.555	3.330	0.25	4266

PR	T	S	02	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	NE
dbar	Deq C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deq C	kg/m3	kg/m3	m
13	26.474	35.949	4.71				26.471	23.603	35.862	13
101	19.774	36.618	4.71				19.755	26.063	38.582	100
202	18.511	36.552	4.84				18.476	26.343	38.922	200
301	18.184	36.537	4.83				18.131	26.418	39.014	299
399	17.906	36.510	4.68				17.836	26.471	39.081	396
500	17.447	36.442	4.60				17.362	26.535	39.170	496
750	13.781	35.817	3.84				13.671	26.889	39.726	743
997	8.731	35.187	3.54				8.620	27.326	40.479	988
1496	4.676	35.025	5.65				4.549	27.747	41.188	1479
1757	4.235	34.997	5.90				4.088	27.775	41.252	1737
1991	4.001	35.026	5.88				3.834	27.824	41.320	1968
2242	3.839	35.009	5.82				3.649	27.830	41.340	2214
2490	3.589	34.980	5.98				3.379	27.833	41.365	2457
2739	3.362	34.969	6.00				3.131	27.848	41.399	2701
2969	3.116	34.956	6.12				2.866	27.862	41.435	2927
3227	2.839	34.939	6.18				2.568	27.875	41.472	3179
3490	2.576	34.925	6.22				2.282	27.889	41.508	3436
3738	2.395	34.914	6.20				2.079	27.896	41.533	3678
3956	2.296	34.908	6.15				1.958	27.901	41.548	3891
4344	2.230	34.905	6.08				1.850	27.908	41.563	4268

ENDFAVOR 98 STA- 54
DATE 21/ 8/82

LAT= 35 15.9N LON= 72 2.0W

SONIC DEPTH= 4310m

PR	F	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	cdh	m
3	26.561	36.106	4.62	26.560	23.694	29.921	35.947	0.013	0.55	3
25	26.749	36.162	4.69	26.243	23.836	30.068	36.100	0.105	11.83	25
50	22.673	36.519	5.18	22.663	25.185	31.485	37.581	0.188	10.08	50
75	21.020	36.571	4.98	21.006	25.690	32.026	38.155	0.252	7.10	74
100	19.994	36.567	4.88	19.976	25.966	32.324	38.476	0.306	4.52	99
150	19.129	36.568	4.61	19.102	26.195	32.574	38.745	0.404	3.14	149
200	18.611	36.539	4.64	18.575	26.308	32.700	38.883	0.495	2.25	198
250	18.353	36.527	4.68	18.309	26.366	32.764	38.953	0.583	1.60	248
300	18.186	36.517	4.68	18.134	26.402	32.804	38.998	0.670	1.50	298
350	18.038	36.505	4.66	17.977	26.432	32.838	39.036	0.756	1.30	347
400	17.870	36.487	4.69	17.801	26.462	32.873	39.074	0.842	1.34	397
450	17.703	36.464	4.67	17.626	26.487	32.903	39.109	0.927	1.38	446
500	17.438	36.418	4.62	17.353	26.519	32.942	39.154	1.012	1.67	496
600	16.578	36.269	4.34	16.479	26.614	33.060	39.295	1.178	2.14	595
700	14.793	35.966	3.94	14.685	26.787	33.284	39.567	1.334	2.60	694
800	12.808	35.662	3.63	12.695	26.968	33.523	39.863	1.474	2.68	793
900	10.502	35.356	3.39	10.391	27.162	33.791	40.200	1.595	2.54	892
1000	8.704	35.181	3.51	8.592	27.325	34.014	40.481	1.698	2.64	990
1200	5.829	35.071	4.83	5.719	27.644	34.435	40.999	1.850	1.96	1188
1400	4.703	35.001	5.55	4.584	27.724	34.558	41.164	1.961	0.95	1385
1600	4.295	34.977	5.84	4.162	27.751	34.602	41.223	2.065	0.73	1582
1800	4.127	34.976	5.96	3.977	27.769	34.627	41.255	2.166	0.65	1779
2000	3.953	34.974	6.01	3.786	27.788	34.653	41.288	2.267	0.64	1976
2200	3.811	34.974	6.04	3.627	27.804	34.676	41.317	2.367	0.66	2173
2400	3.642	34.974	6.04	3.440	27.822	34.701	41.349	2.465	0.67	2369
2600	3.439	34.966	6.05	3.221	27.838	34.725	41.382	2.562	0.68	2565
2800	3.258	34.961	6.06	3.022	27.852	34.747	41.412	2.657	0.64	2761
3000	3.055	34.949	6.11	2.803	27.863	34.757	41.440	2.751	0.68	2957
3500	2.556	34.924	6.21	2.262	27.889	34.816	41.511	2.974	0.64	3446
4000	2.286	34.904	6.18	1.944	27.900	34.840	41.547	3.186	0.42	3934
4375	2.227	34.895	6.06	1.843	27.900	34.845	41.556	3.347	0.26	4299

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
17	26.508	36.164	4.72				26.504	23.755	36.009	17
116	19.736	36.602	4.74				19.715	26.061	38.582	115
212	18.528	36.554	4.73				18.490	26.341	38.919	210
309	18.098	36.526	4.64				18.045	26.431	39.031	306
405	17.803	36.493	4.64				17.733	26.483	39.099	402
502	17.403	36.427	4.52				17.317	26.535	39.171	498
623	16.168	36.212	4.17				16.067	26.666	39.369	618
811	12.650	35.646	3.64				12.537	26.987	39.891	804
1019	8.283	35.154	3.68				8.172	27.369	40.553	1009
1209	5.603	35.062	4.97				5.494	27.665	41.037	1197
1514	4.471	34.992	5.73				4.344	27.743	41.201	1498
1817	4.097	34.974					3.946	27.771	41.259	1796
2105	3.866	34.975	6.04				3.690	27.798	41.306	2079
2494	3.547	34.971	6.05				3.337	27.830	41.365	2461
2786	3.264	34.966	6.05				3.030	27.855	41.414	2747
3084	2.957	34.943	0.00				2.699	27.867	41.453	3040
3381	2.674	34.930	6.19				2.391	27.883	41.494	3330
3676	2.433	34.915	6.19				2.123	27.894	41.526	3618
3982	2.287	34.903	6.12				1.947	27.898	41.545	3916
4378	2.228	34.891	6.05				1.843	27.897	41.553	4302

ENDEAVOR 88 STA- 55
DATE 21/ 8/82

LAT= 35 5.3N LON= 71 36.2W

SONIC DEPTH= 4355m

PR	T	S	O2	θ	SIG-θ	SIG=1.5	SIG=3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	26.297	36.122	4.70	26.297	23.789	30.021	36.051	0.012	0.23	3
25	26.028	36.208	4.84	26.022	23.940	30.176	36.211	0.102	12.35	25
50	21.851	36.580	5.35	21.841	25.465	31.782	37.894	0.181	9.68	50
75	20.356	36.563	5.15	20.342	25.864	32.215	38.358	0.238	5.96	74
100	19.593	36.543	4.91	19.575	26.053	32.421	38.581	0.290	4.14	99
150	18.813	36.530	4.76	18.787	26.247	32.634	38.812	0.385	2.72	149
200	18.409	36.517	4.72	18.374	26.342	32.739	38.927	0.474	2.08	198
250	18.196	36.513	4.72	18.153	26.394	32.796	38.989	0.560	1.67	248
300	18.023	36.501	4.78	17.971	26.430	32.837	39.034	0.646	1.50	298
350	17.839	36.482	4.74	17.778	26.464	32.875	39.077	0.731	1.42	347
400	17.675	36.461	4.71	17.606	26.490	32.906	39.112	0.815	1.35	397
450	17.444	36.424	4.73	17.368	26.520	32.942	39.154	0.899	1.25	446
500	17.198	36.377	4.67	17.113	26.546	32.975	39.193	0.982	1.74	496
600	16.116	36.189	4.29	16.019	26.659	33.118	39.365	1.145	2.24	595
700	14.481	35.915	4.01	14.375	26.815	33.321	39.613	1.296	2.47	694
800	12.522	35.623	3.80	12.411	26.994	33.558	39.906	1.433	2.73	793
900	10.184	35.312	3.35	10.075	27.184	33.823	40.242	1.551	2.61	892
1000	8.298	35.131	3.51	8.189	27.348	34.051	40.531	1.652	2.88	990
1200	5.432	35.030	5.06	5.326	27.660	34.466	41.044	1.794	1.71	1188
1400	4.731	35.010	5.58	4.612	27.728	34.561	41.165	1.904	0.99	1385
1600	4.372	34.998	5.82	4.238	27.759	34.607	41.225	2.007	0.72	1582
1800	4.168	34.994	5.91	4.017	27.780	34.636	41.262	2.107	0.67	1779
2000	3.962	34.986	5.99	3.795	27.796	34.661	41.296	2.206	0.65	1976
2200	3.771	34.976	6.03	3.588	27.809	34.682	41.325	2.305	0.65	2173
2400	3.590	34.973	6.03	3.389	27.826	34.707	41.357	2.402	0.69	2369
2600	3.387	34.965	6.06	3.169	27.841	34.731	41.390	2.498	0.70	2565
2800	3.190	34.956	6.09	2.956	27.854	34.752	41.419	2.592	0.67	2761
3000	2.998	34.946	6.12	2.747	27.865	34.772	41.447	2.683	0.68	2957
3500	2.511	34.922	6.18	2.218	27.892	34.820	41.516	2.903	0.61	3446
4000	2.264	34.903	6.14	1.922	27.900	34.841	41.549	3.113	0.37	3934
4423	2.226	34.894	5.99	1.836	27.900	34.845	41.556	3.295	0.22	4346

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG=3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
99	19.493	36.581	4.88				19.475	26.108	38.640	99
199	18.399	36.538	4.74				18.364	26.361	38.945	197
307	17.970	36.522	4.73				17.917	26.460	39.066	304
398	17.670	36.479	4.72				17.602	26.505	39.127	394
730	13.718	35.807	3.93				13.611	26.893	39.735	724
903	9.965	35.289	3.40				9.856	27.203	40.275	894
1089	6.552	35.074	4.43				6.447	27.553	40.856	1078
1279	5.020	35.029	5.44				4.910	27.709	41.124	1266
1482	4.471	35.000	5.76				4.347	27.749	41.206	1466
1695	4.208	34.997	5.92				4.067	27.777	41.255	1676
1995	3.889	35.002	6.00				3.723	27.817	41.321	1971
2295	3.682	34.978	6.13				3.490	27.821	41.344	2266
2588	3.401	34.970	6.12				3.185	27.844	41.391	2553
2879	3.133	34.953	6.14				2.892	27.858	41.428	2839
3192	2.809	34.941	6.20				2.542	27.879	41.477	3145
3489	2.526	34.924	6.24				2.234	27.892	41.515	3436
3790	2.330	34.921	6.22				2.010	27.908	41.549	3729
4094	2.248	34.904	6.15				1.896	27.903	41.554	4025
4426	2.226	34.906	6.07				1.836	27.909	41.566	4349

ENDEAVOR 88 STA- 56 LAT= 35 0.2N LON= 71 0.1W SONIC DEPTH= 4500m
DATE 22/ 8/82

PR	T	S	σ _t	σ _t	σ _t	SIG-8	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m	
3	26.572	35.980	4.63	26.572	23.595	29.823	35.850	0.013	-0.79	3	
25	26.518	36.067	4.69	26.512	23.679	29.907	35.935	0.107	9.61	25	
50	23.138	36.590	5.25	23.128	25.104	31.394	37.480	0.195	10.26	50	
75	21.478	36.583	5.03	21.464	25.573	31.898	38.018	0.261	6.84	74	
100	20.444	36.562	4.79	20.426	25.841	32.190	38.331	0.318	4.83	99	
150	19.327	36.561	4.66	19.300	26.138	32.513	38.679	0.421	3.61	149	
200	18.737	36.537	4.69	18.701	26.274	32.663	38.843	0.514	2.58	198	
250	18.414	36.527	4.70	18.369	26.351	32.748	38.935	0.603	2.02	248	
300	18.172	36.517	4.70	18.120	26.406	32.809	39.002	0.690	1.59	298	
350	18.017	36.507	4.75	17.956	26.439	32.846	39.043	0.776	1.36	347	
400	17.852	36.489	4.72	17.783	26.468	32.880	39.081	0.861	1.43	397	
450	17.688	36.468	4.72	17.611	26.495	32.910	39.116	0.946	1.22	446	
500	17.466	36.433	4.67	17.381	26.524	32.946	39.157	1.031	1.57	496	
600	16.742	36.308	4.49	16.642	26.605	33.047	39.277	1.198	1.99	595	
700	15.108	36.021	4.08	14.999	26.761	33.248	39.523	1.356	2.57	694	
800	13.273	35.729	3.67	13.159	26.926	33.468	39.794	1.498	2.50	793	
900	11.188	35.421	3.16	11.072	27.091	33.698	40.086	1.625	2.50	892	
1000	9.121	35.223	3.54	9.006	27.293	33.967	40.421	1.734	2.89	990	
1200	5.594	35.038	4.94	5.486	27.647	34.447	41.020	1.887	1.90	1188	
1400	4.753	35.015	5.56	4.634	27.729	34.561	41.165	1.998	1.02	1385	
1600	4.350	34.992	5.81	4.217	27.757	34.606	41.224	2.101	0.75	1582	
1800	4.104	34.980	5.93	3.954	27.776	34.634	41.263	2.201	0.68	1779	
2000	3.973	34.984	5.97	3.806	27.794	34.658	41.293	2.301	0.64	1976	
2200	3.786	34.979	5.99	3.602	27.810	34.683	41.325	2.399	0.63	2173	
2400	3.606	34.975	6.02	3.405	27.827	34.707	41.356	2.497	0.68	2369	
2600	3.386	34.967	6.04	3.169	27.843	34.732	41.391	2.592	0.72	2565	
2800	3.185	34.958	6.06	2.952	27.856	34.755	41.422	2.686	0.67	2761	
3000	2.972	34.948	6.07	2.721	27.869	34.777	41.453	2.777	0.67	2957	
3500	2.493	34.922	6.11	2.201	27.893	34.823	41.519	2.995	0.60	3446	
4000	2.280	34.905	6.08	1.938	27.901	34.841	41.549	3.205	0.35	3934	
4500	2.238	34.897	6.03	1.838	27.902	34.847	41.558	3.421	0.24	4421	
4565	2.240	34.896	6.02	1.832	27.902	34.847	41.558	3.450	0.17	4484	

PR	T	S	σ _t	SIL	PHOS	NO3	θ	SIG-8	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
111	19.936	36.592	4.82				19.915	26.000	38.513	110
191	18.716	36.553	4.82				18.682	26.291	38.861	190
313	18.136	36.532	4.72				18.081	26.427	39.025	310
422	17.785	36.492	4.70				17.712	26.488	39.104	418
538	17.201	36.407	4.56				17.109	26.569	39.217	534
742	14.180	35.885	3.94				14.069	26.857	39.672	736
1004	8.684	35.187	3.56				8.572	27.333	40.490	995
1217	5.525	35.036	5.01				5.416	27.654	41.032	1204
1510	4.492	35.001	5.73				4.365	27.748	41.204	1493
1758	4.165	35.040	5.81	13.5	1.15	18.0	4.018	27.816	41.297	1738
1982	3.993	34.997	5.93	17.0	1.04	18.2	3.827	27.802	41.299	1958
2538	3.457	34.973	6.05	20.4	1.08	18.2	3.245	27.841	41.383	2505
2990	3.002	34.951	6.11	21.4	1.16	18.2	2.752	27.869	41.450	2947
3163	2.830	34.942	6.11	24.1	0.73	17.9	2.566	27.878	41.474	3117
3435	2.550	34.928	6.16	27.8	1.10	18.1	2.263	27.893	41.514	3382
3678	2.383	34.913	6.12	31.1	1.18	18.7	2.074	27.896	41.533	3619
3963	2.291	34.902	6.12	33.4	1.16	19.2	1.953	27.897	41.544	3898
4192	2.251	34.898	6.05	33.5	1.18	18.9	1.888	27.899	41.551	4121
4569	2.240	34.890	6.04	37.6	1.11	19.8	1.833	27.897	41.554	4488

ENDEAVOR 88 STA- 57
DATE 22/ 8/82

LAT= 35 22.1N LON= 70 59.9W

SONIC DEPTH= 4410m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	26.321	35.929	4.58	26.321	23.636	29.869	35.901	0.013	1.51	3
25	26.281	35.984	4.59	26.276	23.691	29.925	35.957	0.106	9.65	25
50	23.814	36.499	4.67	23.803	24.837	31.114	37.187	0.197	10.42	50
75	21.919	36.557	5.03	21.904	25.430	31.746	37.857	0.266	6.66	74
100	20.996	36.562	5.02	20.976	25.691	32.028	38.158	0.327	5.63	99
150	19.463	36.547	4.69	19.435	26.093	32.464	38.627	0.433	3.94	149
200	18.802	36.533	4.72	18.766	26.255	32.642	38.821	0.528	2.82	198
250	18.424	36.524	4.72	18.380	26.346	32.742	38.930	0.618	1.95	248
300	18.186	36.516	4.69	18.134	26.401	32.804	38.997	0.705	1.65	298
350	18.007	36.500	4.74	17.946	26.436	32.844	39.042	0.791	1.41	347
400	17.858	36.487	4.74	17.788	26.465	32.876	39.078	0.877	1.29	397
450	17.683	36.462	4.74	17.605	26.491	32.907	39.113	0.962	1.41	446
500	17.465	36.429	4.75	17.380	26.521	32.943	39.155	1.047	1.49	496
600	16.773	36.309	4.47	16.673	26.598	33.039	39.269	1.214	2.04	595
700	15.328	36.057	4.16	15.218	26.740	33.221	39.490	1.372	2.31	694
800	13.466	35.763	3.91	13.350	26.914	33.450	39.770	1.518	2.60	793
900	11.497	35.482	3.51	11.379	27.082	33.679	40.058	1.646	2.63	892
1000	9.123	35.224	3.55	9.008	27.293	33.967	40.421	1.756	2.87	990
1200	5.741	35.037	4.86	5.632	27.629	34.423	40.990	1.912	2.01	1188
1400	4.777	35.012	5.55	4.658	27.724	34.555	41.158	2.025	0.96	1385
1600	4.391	34.988	5.84	4.257	27.750	34.596	41.214	2.129	0.75	1582
1800	4.171	34.984	5.91	4.021	27.771	34.627	41.253	2.231	0.66	1779
2000	3.985	34.979	6.00	3.818	27.789	34.653	41.286	2.332	0.67	1976
2200	3.856	34.981	6.01	3.671	27.805	34.675	41.314	2.432	0.63	2173
2400	3.694	34.979	6.02	3.481	27.822	34.699	41.346	2.531	0.66	2369
2600	3.507	34.972	6.03	3.287	27.836	34.721	41.375	2.629	0.61	2565
2800	3.311	34.963	6.05	3.074	27.849	34.743	41.405	2.725	0.69	2761
3000	3.093	34.953	6.09	2.840	27.862	34.765	41.436	2.819	0.70	2957
3500	2.565	34.927	6.20	2.270	27.891	34.817	41.511	3.043	0.64	3446
4000	2.294	34.907	6.15	1.951	27.901	34.841	41.548	3.255	0.40	3934
4475	2.233	34.896	6.03	1.837	27.901	34.846	41.558	3.460	0.25	4396

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
14	26.323	35.972	4.73				26.320	23.668	35.932	14
102	20.670	36.597	5.07				20.650	25.807	38.287	101
201	18.722	36.560	4.78				18.687	26.296	38.865	199
300	18.185	36.536	4.72				18.133	26.417	39.013	297
400	17.870	36.517	4.74				17.800	26.485	39.097	396
599	16.952	36.359	4.49				16.851	26.594	39.255	593
892	11.473	35.480	3.58				11.356	27.084	40.061	884
1095	7.280	35.099	4.06				7.168	27.473	40.726	1084
1296	5.218	35.036	5.28				5.104	27.692	41.092	1283
1519	4.544	35.009	5.74				4.415	27.749	41.201	1503
1692	4.286	35.036	5.83	12.4	1.14	18.4	4.144	27.800	41.271	1673
1881	4.088	34.987	6.03	13.1	1.19	19.9	3.931	27.783	41.272	1859
2192	3.860	34.994	6.08	14.2	1.19	18.6	3.675	27.815	41.323	2165
2488	3.594	34.997	5.91	13.4	1.24	18.5	3.384	27.846	41.377	2456
2812	3.269	34.962	6.15	18.4	1.16	18.8	3.032	27.852	41.411	2773
3075	2.996	34.948	6.17	19.7	1.20	18.4	2.737	27.868	41.450	3031
3390	2.659	34.929	6.25	21.1	1.17	17.8	2.374	27.884	41.496	3339
3688	2.425	34.915	6.27	24.7	1.17	18.3	2.114	27.894	41.528	3630
3981	2.296	34.908	6.18	29.3	1.25	18.6	1.956	27.902	41.548	3915
4479	2.233	34.897	6.09	37.2	1.32	19.9	1.837	27.902	41.558	4400

ENDEAVOR 88 STA- 58
DATE 22/ 8/82

LAT= 35 39.7N LON= 70 59.5W

SONIC DEPTH= 4410m

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	DF m
3	26.634	36.038	4.75	26.634	23.619	29.845	35.870	0.013	3.96	3
25	26.651	36.217	4.89	26.645	23.750	29.975	35.998	0.105	3.27	25
50	23.695	36.568	5.35	23.684	24.925	31.203	37.279	0.200	13.09	50
75	22.017	36.595	5.20	22.002	25.431	31.745	37.853	0.269	6.42	74
100	20.918	36.575	5.05	20.899	25.723	32.060	38.192	0.329	5.74	99
150	19.314	36.566	4.70	19.287	26.146	32.520	38.687	0.434	3.91	149
200	18.684	36.538	4.68	18.648	26.289	32.679	38.860	0.526	2.37	198
250	18.409	36.529	4.65	18.364	26.353	32.750	38.938	0.615	1.79	248
300	18.191	36.519	4.72	18.138	26.403	32.805	38.998	0.702	1.67	298
350	18.039	36.509	4.75	17.978	26.435	32.841	39.038	0.788	1.36	347
400	17.878	36.491	4.72	17.808	26.463	32.874	39.075	0.874	1.35	397
450	17.693	36.464	4.66	17.616	26.490	32.906	39.111	0.959	1.35	446
500	17.498	36.437	4.67	17.412	26.519	32.940	39.151	1.044	1.49	496
600	16.964	36.330	4.54	16.763	26.593	33.031	39.259	1.211	1.92	595
700	15.407	36.074	4.16	15.296	26.735	33.214	39.480	1.371	2.38	694
800	13.711	35.803	3.94	13.594	26.894	33.422	39.736	1.517	2.64	793
900	11.237	35.455	3.56	11.121	27.108	33.713	40.100	1.646	2.82	892
1000	9.176	35.231	3.53	9.061	27.290	33.963	40.414	1.755	2.67	990
1200	5.874	35.051	4.77	5.763	27.624	34.413	40.976	1.916	2.16	1188
1400	4.872	35.019	5.46	4.751	27.720	34.547	41.146	2.031	1.10	1385
1600	4.415	34.996	5.78	4.280	27.753	34.599	41.216	2.135	0.80	1582
1800	4.147	34.984	5.91	3.997	27.774	34.631	41.258	2.237	0.67	1779
2000	3.955	34.979	6.01	3.788	27.792	34.657	41.292	2.337	0.64	1976
2200	3.814	34.978	6.01	3.629	27.807	34.679	41.320	2.436	0.61	2173
2400	3.662	34.977	6.02	3.460	27.823	34.701	41.348	2.535	0.68	2369
2600	3.466	34.970	6.05	3.247	27.838	34.725	41.380	2.632	0.66	2565
2800	3.285	34.962	6.06	3.049	27.851	34.745	41.408	2.727	0.66	2761
3000	3.074	34.952	6.07	2.822	27.863	34.767	41.439	2.821	0.68	2957
3500	2.587	34.927	6.18	2.292	27.890	34.815	41.508	3.044	0.65	3446
4000	2.295	34.907	6.17	1.952	27.901	34.841	41.548	3.257	0.41	3934
4477	2.230	34.895	6.03	1.833	27.901	34.846	41.558	3.463	0.24	4398

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	DF m
10	26.623	36.284	4.65				26.621	23.809	36.057	10
101	20.832	36.634	5.00				20.813	25.791	38.263	100
213	18.567	36.551	4.73				18.530	26.329	38.905	211
289	18.187	36.537	4.75				18.136	26.417	39.012	287
425	17.766	36.492	4.68				17.692	26.493	39.110	421
613	16.524	36.276	4.34				16.423	26.632	39.316	608
925	10.787	35.407	3.56				10.670	27.153	40.173	916
1088	7.593	35.120	3.89				7.479	27.445	40.676	1077
1274	5.370	35.042	5.14				5.257	27.678	41.067	1261
1504	4.568	35.010	5.68				4.440	27.747	41.197	1487
1701	4.249	34.995	6.00	12.8	1.23	18.2	4.107	27.771	41.246	1681
1912	4.049	34.986	6.00	13.2	1.02	18.3	3.890	27.787	41.279	1890
2191	3.823	34.980	6.02	14.3	1.21	18.4	3.639	27.807	41.319	2164
2463	3.597	34.977	6.06	15.9	1.23	18.7	3.390	27.830	41.361	2430
2806	3.276	34.968	6.06	18.1	1.16	18.6	3.039	27.856	41.414	2767
3104	2.962	34.949	6.10	20.2	1.05	18.1	2.701	27.872	41.457	3059
3416	2.648	34.930	6.17	22.2	1.21	17.9	2.361	27.886	41.499	3364
3651	2.454	34.920	6.18	24.0	1.18	18.0	2.146	27.896	41.527	3593
3938	2.316	34.910	6.14	27.6	1.12	17.9	1.980	27.901	41.546	3874
4480	2.230	34.894	6.05	27.9	1.26	19.8	1.833	27.900	41.557	4401

ENDEAVOR 88 STA- 59
DATE 23/ 8/82

LAT= 36 0.8N LON= 70 60.0W

SONIC DEPTH= 4360m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	26.450	36.229	4.75	26.449	23.822	30.050	36.077	0.012	-0.43	3
25	26.440	36.242	4.82	26.434	23.836	30.064	36.092	0.102	3.41	25
50	23.415	36.620	5.38	23.404	25.046	31.330	37.410	0.193	12.70	50
75	21.702	36.577	5.27	21.687	25.506	31.827	37.942	0.260	5.92	74
100	20.693	36.583	5.04	20.673	25.790	32.133	38.269	0.319	5.10	99
150	19.547	36.564	4.81	19.519	26.084	32.453	38.614	0.424	3.95	149
200	18.863	36.551	4.74	18.828	26.253	32.638	38.815	0.519	2.74	198
250	18.490	36.538	4.56	18.446	26.340	32.735	38.921	0.609	2.20	248
300	18.233	36.527	4.70	18.180	26.398	32.800	38.992	0.696	1.67	298
350	18.067	36.516	4.76	18.008	26.433	32.839	39.035	0.782	1.31	347
400	17.914	36.499	4.71	17.845	26.460	32.870	39.070	0.868	1.38	397
450	17.745	36.476	4.71	17.667	26.487	32.901	39.105	0.954	1.32	446
500	17.546	36.448	4.73	17.460	26.516	32.936	39.145	1.039	1.47	496
600	16.926	36.344	4.55	16.826	26.589	33.026	39.252	1.206	1.83	595
700	15.370	36.068	4.06	15.260	26.738	33.218	39.486	1.367	2.58	694
800	13.539	35.776	3.70	13.423	26.909	33.443	39.761	1.512	2.31	793
900	11.633	35.505	3.54	11.514	27.074	33.667	40.041	1.642	2.84	891
1000	9.181	35.216	3.41	9.066	27.277	33.950	40.401	1.753	2.71	990
1200	6.113	35.071	4.64	6.005	27.608	34.389	40.943	1.915	2.15	1188
1400	4.785	35.007	5.50	4.665	27.720	34.550	41.153	2.030	1.10	1385
1600	4.489	35.015	5.71	4.354	27.760	34.603	41.216	2.134	0.84	1582
1800	4.213	35.002	5.89	4.062	27.781	34.635	41.260	2.235	0.69	1779
2000	4.005	34.994	5.98	3.837	27.799	34.662	41.295	2.334	0.64	1976
2200	3.780	34.981	6.01	3.596	27.813	34.685	41.327	2.433	0.64	2173
2400	3.636	34.980	5.98	3.435	27.828	34.707	41.355	2.530	0.64	2369
2600	3.424	34.968	6.05	3.206	27.840	34.728	41.386	2.626	0.66	2565
2800	3.250	34.961	6.09	3.014	27.852	34.748	41.413	2.721	0.66	2761
3000	3.055	34.951	6.12	2.803	27.864	34.768	41.441	2.814	0.66	2957
3500	2.616	34.929	6.18	2.320	27.888	34.813	41.505	3.037	0.61	3446
4000	2.253	34.902	6.12	1.911	27.901	34.842	41.551	3.251	0.51	3934
4427	2.237	34.897	6.08	1.846	27.902	34.846	41.557	3.434	0.08	4349

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
13	26.473	36.242	4.81				26.471	23.824	36.079	13
102	20.437	36.588	4.93				20.417	25.863	38.353	101
201	18.733	36.566	4.80				18.697	26.298	38.866	199
301	18.173	36.547	4.74				18.120	26.429	39.025	298
401	17.840	36.506	4.71				17.771	26.484	39.097	397
598	16.695	36.310	4.38				16.595	26.618	39.297	593
897	11.515	35.501	3.51				11.397	27.093	40.067	888
1091	7.574	35.124	3.94				7.460	27.451	40.684	1080
1295	5.259	35.034	5.24				5.144	27.685	41.083	1281
1513	4.661	35.030	5.68				4.531	27.753	41.195	1497
1700	4.338	35.046	5.81	13.0	1.13	18.6	4.194	27.802	41.270	1681
1921	4.023	34.994	6.12	13.4	1.12	18.0	3.863	27.796	41.290	1898
2207	3.826	35.013	6.00	15.1	1.12	18.2	3.640	27.834	41.344	2179
2494	3.565	34.983	6.01	15.5	1.09	16.8	3.355	27.838	41.371	2461
2797	3.246	34.961	6.10	18.4	1.15	18.4	3.011	27.853	41.414	2758
3090	2.968	34.947	6.14	19.9	1.09	17.9	2.709	27.869	41.454	3045
3395	2.684	34.935	6.22	21.0	1.14	17.5	2.399	27.887	41.497	3344
3689	2.461	34.941	6.20	23.3	1.10	17.4	2.148	27.912	41.542	3631
4080	2.234	34.901	6.06	33.1	1.21	19.1	1.884	27.902	41.554	4012
4430	2.237	34.912	6.07	37.3	1.27	19.6	1.846	27.913	41.569	4352

ENDEAVOR 88 STA- 60 LAT= 36 20.2N LON= 70 59.7W SONIC DEPTH= 4325m
DATE 23/ 8/82

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	NE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	coh	m
3	26.659	36.201	4.57	26.659	23.734	29.958	35.982	0.012	-0.84	3
25	26.631	36.216	4.64	26.625	23.756	29.981	36.005	0.104	10.27	25
50	23.768	36.605	5.00	23.758	24.931	31.208	37.282	0.192	8.04	50
75	22.652	36.620	4.79	22.636	25.269	31.569	37.665	0.263	6.40	74
100	21.704	36.640	4.77	21.684	25.555	31.875	37.989	0.328	6.27	99
150	19.911	36.603	4.82	19.883	26.017	32.378	38.531	0.439	4.50	149
200	19.045	36.571	4.61	19.009	26.221	32.602	38.775	0.536	2.63	198
250	18.637	36.554	4.54	18.593	26.315	32.706	38.888	0.627	2.35	248
300	18.295	36.531	4.63	18.242	26.386	32.786	38.976	0.716	1.98	298
350	18.066	36.513	4.61	18.005	26.431	32.837	39.033	0.802	1.45	347
400	17.930	36.502	4.65	17.861	26.459	32.868	39.068	0.888	1.32	397
450	17.759	36.479	4.69	17.681	26.485	32.899	39.103	0.973	1.32	446
500	17.528	36.445	4.70	17.442	26.518	32.938	39.148	1.058	1.59	496
600	16.675	36.296	4.37	16.576	26.612	33.055	39.287	1.225	2.05	595
700	15.098	36.023	3.98	14.989	26.765	33.252	39.527	1.382	2.55	694
800	13.248	35.735	3.71	13.133	26.936	33.478	39.805	1.525	2.63	793
900	11.023	35.431	3.46	10.907	27.128	33.740	40.133	1.650	2.79	891
1000	9.281	35.139	3.54	8.172	27.357	34.061	40.541	1.754	3.09	990
1200	5.270	35.014	5.12	5.165	27.667	34.479	41.064	1.893	1.63	1188
1400	4.518	34.982	5.67	4.402	27.729	34.571	41.183	2.001	0.92	1385
1600	4.293	34.986	5.83	4.160	27.758	34.608	41.230	2.103	0.70	1582
1800	4.075	34.975	5.94	3.926	27.774	34.634	41.264	2.203	0.63	1779
2000	3.931	34.973	6.00	3.764	27.789	34.656	41.292	2.303	0.61	1976
2200	3.786	34.974	6.07	3.602	27.807	34.679	41.321	2.402	0.68	2172
2400	3.601	34.973	6.06	3.400	27.826	34.706	41.356	2.500	0.73	2369
2600	3.383	34.966	6.07	3.166	27.843	34.732	41.391	2.596	0.68	2565
2800	3.185	34.957	6.10	2.951	27.856	34.754	41.421	2.689	0.69	2761
3000	2.976	34.947	6.09	2.726	27.868	34.776	41.451	2.781	0.71	2957
3500	2.495	34.922	6.19	2.203	27.893	34.823	41.519	2.998	0.59	3446
4000	2.273	34.905	6.15	1.931	27.901	34.842	41.550	3.207	0.38	3934
4381	2.227	34.897	6.06	1.843	27.901	34.846	41.557	3.370	0.21	4305

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	NE
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
11	26.703	36.297	4.85				26.700	23.793	36.038	11
112	20.890	36.656	4.92				20.869	25.793	38.262	111
222	18.820	36.584	4.49				18.780	26.290	38.854	221
305	18.167	36.532	4.54				18.114	26.419	39.015	307
396	17.873	36.508	4.67				17.804	26.477	39.089	393
595	16.587	36.303	4.33				16.488	26.637	39.318	590
879	11.115	35.448	3.46				11.002	27.125	40.124	871
1081	6.316	35.049	4.46				6.214	27.564	40.884	1070
1295	4.858	34.998	5.49				4.757	27.702	41.128	1281
1548	4.336	34.989	5.87				4.208	27.756	41.223	1531
1731	4.183	34.987	5.95				4.039	27.772	41.253	1711
1930	3.970	34.978	6.22	9.7	1.19	18.8	3.810	27.789	41.287	1907
2189	3.768	34.982	6.07	14.4	1.08	18.4	3.585	27.814	41.330	2161
2437	3.551	34.981	6.08	16.3	1.15	18.4	3.348	27.837	41.371	2405
2788	3.235	34.970	6.10	18.5	1.17	18.5	3.001	27.861	41.422	2749
3089	2.897	34.948	6.12	20.5	1.08	18.2	2.639	27.876	41.467	3044
3390	2.592	34.927	6.20	22.5	0.97	18.0	2.309	27.888	41.505	3338
3689	2.375	34.920	6.20	26.5	1.17	18.3	2.066	27.902	41.540	3630
3971	2.275	34.906	6.22	30.1	1.17	18.6	1.936	27.902	41.550	3905
4384	2.228	34.897	6.07	37.2	1.09	20.0	1.843	27.902	41.558	4307

ENDEAVOR 88 STA- 61
DATE 23/ 8/82

LAT= 36 40.0N LON= 70 59.6W

SONIC DEPTH= 4260m

PR	T	S	02	Θ	SIG-Θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cdh	m
3	26.662	36.104	4.70	26.661	23.660	29.885	35.910	0.013	-0.51	3
25	26.675	36.106	4.70	26.669	23.659	29.884	35.908	0.106	2.37	25
50	24.536	36.558	5.18	24.526	24.665	30.927	36.987	0.203	11.49	50
75	22.726	36.613	5.09	22.710	25.243	31.541	37.635	0.277	7.49	74
100	21.443	36.636	4.92	21.424	25.624	31.950	38.070	0.341	5.10	99
150	19.527	36.560	4.83	19.500	26.086	32.455	38.617	0.451	4.87	149
200	18.798	36.556	4.79	18.762	26.273	32.660	38.839	0.545	2.46	198
250	18.432	36.538	4.82	18.388	26.354	32.750	38.937	0.634	2.03	248
300	18.191	36.526	4.85	18.138	26.408	32.810	39.004	0.721	1.90	298
350	17.936	36.504	4.74	17.875	26.457	32.865	39.065	0.806	1.58	347
400	17.726	36.476	4.69	17.657	26.489	32.904	39.108	0.891	1.40	397
450	17.505	36.441	4.69	17.428	26.518	32.939	39.149	0.975	1.56	446
500	17.164	36.381	4.56	17.080	26.557	32.986	39.206	1.058	1.98	496
600	15.596	36.106	4.05	15.500	26.714	33.187	39.448	1.217	2.70	595
700	13.441	35.763	3.78	13.340	26.916	33.452	39.773	1.360	2.60	694
800	11.119	35.439	3.41	11.017	27.115	33.723	40.113	1.484	2.62	793
900	8.803	35.178	3.40	8.702	27.306	33.991	40.454	1.589	3.17	891
1000	6.297	35.045	4.44	6.203	27.562	34.335	40.883	1.668	2.31	990
1200	4.812	34.995	5.47	4.711	27.705	34.534	41.135	1.784	1.18	1188
1400	4.358	34.978	5.82	4.243	27.743	34.590	41.208	1.886	0.77	1385
1600	4.153	34.974	5.95	4.022	27.763	34.619	41.246	1.985	0.64	1582
1800	3.997	34.973	6.03	3.848	27.781	34.644	41.276	2.083	0.65	1779
2000	3.852	34.975	6.04	3.687	27.799	34.668	41.306	2.181	0.59	1976
2200	3.705	34.976	6.05	3.523	27.816	34.691	41.336	2.278	0.64	2172
2400	3.525	34.970	6.07	3.326	27.831	34.714	41.367	2.374	0.69	2369
2600	3.329	34.964	6.07	3.113	27.846	34.738	41.398	2.468	0.65	2565
2800	3.138	34.955	6.11	2.905	27.858	34.758	41.427	2.560	0.64	2761
3000	2.963	34.946	6.15	2.713	27.868	34.776	41.453	2.650	0.69	2957
3500	2.462	34.920	6.24	2.171	27.894	34.825	41.522	2.867	0.59	3446
4000	2.259	34.904	6.18	1.917	27.901	34.843	41.551	3.075	0.36	3933
4323	2.220	34.896	6.08	1.843	27.901	34.845	41.557	3.212	0.24	4248

PR	T	S	02	SIL	PHOS	NO3	Θ	SIG-Θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
15	26.629	36.145	4.68				26.626	23.702	35.952	14
103	21.381	36.674	4.68				21.361	25.671	38.118	102
210	18.656	36.566	4.74				18.618	26.318	38.890	208
315	18.094	36.531	4.82				18.039	26.437	39.037	312
402	17.786	36.496	4.68				17.717	26.490	39.106	390
589	15.884	36.161	4.07				15.789	26.690	39.409	584
792	11.491	35.491	3.46				11.387	27.087	40.062	784
955	7.300	35.084	3.91				7.203	27.457	40.707	945
1182	4.914	35.002	5.44				4.814	27.699	41.121	1170
1406	4.373	34.977	5.84				4.258	27.741	41.205	1391
1592	4.157	34.995	5.91				4.026	27.780	41.261	1574
1899	3.916	34.979	6.06				3.759	27.795	41.297	1876
2205	3.698	34.975	6.06				3.515	27.816	41.337	2177
2510	3.411	34.966	6.09				3.203	27.839	41.385	2476
2813	3.123	34.963	6.10				2.889	27.866	41.436	2773
3112	2.829	34.940	6.15				2.570	27.876	41.472	3066
3504	2.446	34.917	6.21				2.155	27.893	41.523	3450
3915	2.271	34.903	6.16				1.939	27.899	41.547	3850
4189	2.222	34.898	6.07				1.860	27.901	41.556	4117
4328	2.220	34.898	6.09				1.842	27.903	41.558	4252

ENDEAVOR 88 STA- 62 LAT= 37 0.9N LON= 70 57.8W SONIC DEPTH= 4175m
DATE 23/ 8/82

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	N	DF
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	26.727	35.951	4.71	26.727	23.523	29.749	35.773	0.013	-0.68	3
25	26.734	35.951	4.67	26.729	23.523	29.748	35.773	0.109	0.94	25
50	25.769	36.260	4.84	25.757	24.062	30.303	36.342	0.216	12.47	50
75	23.039	36.524	4.88	23.023	25.085	31.378	37.466	0.299	11.03	74
100	20.805	36.581	5.14	20.786	25.758	32.098	38.232	0.361	5.86	99
150	19.005	36.565	4.53	18.978	26.225	32.606	38.780	0.463	4.12	149
200	18.311	36.529	4.59	18.276	26.376	32.775	38.965	0.552	2.35	198
250	18.038	36.509	4.63	17.994	26.431	32.837	39.033	0.637	1.73	248
300	17.793	36.481	4.66	17.741	26.472	32.885	39.087	0.720	1.52	298
350	17.518	36.441	4.65	17.458	26.511	32.931	39.141	0.803	1.84	347
400	16.896	36.326	4.37	16.819	26.576	33.013	39.240	0.884	2.36	397
450	16.078	36.186	4.15	16.005	26.660	33.120	39.367	0.962	2.41	446
500	14.963	35.997	3.91	14.887	26.767	33.258	39.536	1.036	2.79	496
600	12.359	35.606	3.67	12.277	27.007	33.576	39.927	1.169	3.08	595
700	9.581	35.267	3.45	9.499	27.246	33.904	40.341	1.277	2.91	694
800	7.529	35.123	3.95	7.448	27.453	34.181	40.686	1.364	2.77	793
900	5.598	35.023	4.90	5.519	27.631	34.430	41.002	1.430	2.19	891
1000	4.994	35.013	5.36	4.910	27.696	34.518	41.111	1.484	1.12	990
1200	4.432	34.981	5.77	4.335	27.735	34.579	41.194	1.584	0.80	1188
1400	4.210	34.979	5.92	4.097	27.760	34.613	41.236	1.680	0.66	1385
1600	4.038	34.976	5.96	3.908	27.777	34.637	41.268	1.775	0.62	1582
1800	3.876	34.972	6.04	3.730	27.792	34.659	41.297	1.870	0.62	1779
2000	3.735	34.975	6.05	3.571	27.810	34.684	41.327	1.965	0.59	1976
2200	3.587	34.974	6.03	3.407	27.826	34.706	41.356	2.058	0.63	2172
2400	3.401	34.968	6.01	3.203	27.840	34.729	41.386	2.151	0.67	2369
2600	3.180	34.957	6.07	2.966	27.854	34.752	41.419	2.242	0.68	2565
2800	2.976	34.948	6.12	2.746	27.867	34.774	41.449	2.330	0.73	2761
3000	2.739	34.937	6.16	2.494	27.880	34.797	41.482	2.416	0.63	2957
3500	2.363	34.915	6.27	2.074	27.898	34.832	41.534	2.623	0.49	3446
4000	2.202	34.898	6.16	1.862	27.901	34.845	41.555	2.827	0.31	3933
4239	2.207	34.896	6.12	1.839	27.901	34.846	41.557	2.928	0.08	4166

PR	T	S	O2	SIL	PHOS	NO3	θ	SIG-θ	SIG-3	DF
dbar	Deg C	o/oo	ml/l	umol/kg	umol/kg	umol/kg	Deg C	kg/m3	kg/m3	m
13	26.789	36.016	4.74				26.785	23.554	35.801	13
103	20.523	36.614	5.01				20.504	25.860	38.346	102
200	18.264	36.544	4.61				18.229	26.399	38.990	198
301	17.763	36.510	4.68				17.711	26.502	39.118	299
402	16.976	36.368	4.39				16.908	26.588	39.246	399
498	15.106	36.041	3.94				15.028	26.769	39.530	494
696	9.667	35.283	3.45				9.588	27.243	40.333	690
896	5.721	35.037	4.85				5.641	27.628	40.989	887
1096	4.787	35.011	5.56				4.696	27.719	41.150	1085
1421	4.178	34.978	5.97				4.063	27.762	41.241	1406
1684	3.973	34.994	6.02	13.1	0.98	18.0	3.836	27.799	41.295	1665
1991	3.748	34.976	6.09	14.5	0.94	18.5	3.585	27.810	41.325	1966
2293	3.469	34.970	6.09	16.7	1.11	18.6	3.281	27.835	41.374	2264
2591	3.178	34.957	6.10	18.7	0.87	18.7	2.966	27.854	41.418	2556
2912	2.883	34.949		20.4	1.33	18.5	2.644	27.877	41.467	2870
3191	2.580	34.927	6.22	21.8	1.00	18.1	2.319	27.887	41.504	3143
3482	2.369	34.915	6.22	25.3	1.13	18.2	2.081	27.897	41.533	3428
3790	2.237	34.903	6.18	29.9	0.97	18.8	1.919	27.900	41.550	3728
3983	2.205	34.897	6.03	33.5	1.13	19.5	1.867	27.900	41.554	3916
4243	2.208	34.895	6.06				1.840	27.900	41.556	4170

ENDEAVOR 88 STA- 63
DATE 23/ 8/82

LAT= 37 20.2N LON= 70 57.5W

SONIC DEPTH= 4115m

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	28.156	36.027	4.41	28.165	23.115	29.314	35.314	0.014	-1.23	3
25	28.151	36.041	4.60	28.155	23.129	29.328	35.327	0.119	7.24	25
50	25.554	36.417	4.44	25.543	24.247	30.490	36.532	0.226	12.41	50
75	23.137	36.556	3.98	23.092	25.090	31.380	37.467	0.307	9.36	74
100	20.572	36.341	4.37	20.553	25.638	31.986	38.127	0.372	6.35	99
150	19.141	36.487	3.53	19.114	26.130	32.510	38.681	0.479	4.90	149
200	17.124	36.270	3.42	17.090	26.469	32.899	39.120	0.567	3.94	198
250	15.758	36.069	3.46	15.719	26.636	33.103	39.359	0.645	4.08	248
300	13.638	35.786	3.40	13.645	26.870	33.398	39.710	0.713	3.05	298
350	12.819	35.655	3.46	12.770	26.955	33.509	39.846	0.774	2.91	347
400	11.276	35.475	3.35	11.225	27.105	33.706	40.090	0.830	3.38	397
450	9.140	35.203	3.27	9.090	27.263	33.935	40.386	0.879	2.91	446
500	7.826	35.140	3.90	7.775	27.418	34.135	40.628	0.920	3.02	496
600	6.089	35.034	4.56	6.035	27.575	34.355	40.908	0.986	2.05	595
700	5.430	35.061	5.12	5.370	27.680	34.484	41.060	1.040	1.40	694
800	5.018	35.047	5.45	4.951	27.719	34.538	41.130	1.089	1.17	793
900	4.547	34.998	5.75	4.475	27.734	34.572	41.181	1.135	0.78	891
1000	4.489	35.017	5.76	4.409	27.756	34.596	41.208	1.180	0.74	990
1200	4.094	34.980	5.98	4.000	27.771	34.627	41.254	1.269	0.60	1188
1400	3.948	34.976	6.03	3.838	27.784	34.647	41.281	1.358	0.53	1385
1600	3.827	34.975	6.08	3.700	27.797	34.656	41.304	1.448	0.57	1582
1800	3.686	34.975	6.10	3.542	27.813	34.688	41.332	1.537	0.58	1779
2000	3.522	34.971	6.11	3.352	27.828	34.710	41.361	1.626	0.59	1976
2200	3.355	34.966	6.13	3.188	27.841	34.730	41.387	1.715	0.57	2172
2400	3.206	34.960	6.15	3.012	27.852	34.748	41.412	1.802	0.63	2369
2600	2.990	34.950	6.17	2.780	27.856	34.771	41.445	1.889	0.69	2565
2800	2.790	34.940	6.20	2.564	27.876	34.791	41.473	1.973	0.64	2761
3000	2.608	34.930	6.24	2.366	27.885	34.808	41.498	2.055	0.59	2957
3500	2.290	34.910	6.26	2.003	27.899	34.837	41.542	2.255	0.42	3445
4000	2.130	34.895	6.12	1.840	27.900	34.845	41.556	2.458	0.26	3933
4181	2.199	34.895	6.10	1.838	27.900	34.845	41.556	2.534	0.11	4110

PR dbar	T Deg C	S o/oo	O2 ml/l	SIL umol/kg	PHOS umol/kg	NH3 umol/kg	θ Deg C	SIG-θ kg/m3	SIG-3 kg/m3	DE m
11	28.110	36.025	4.56				28.107	23.133	35.333	10
111	20.606	36.648	3.87				20.585	25.864	38.345	110
194	17.239	36.332	3.49				17.206	26.488	39.132	193
284	13.852	35.813	3.22				13.821	26.854	39.684	281
398	11.259	35.483	3.36				11.218	27.112	40.098	394
604	6.074	35.044	4.59				6.019	27.585	40.919	599
817	4.829	35.053	5.41				4.763	27.753	41.178	809
1027	4.451	35.018	5.77				4.368	27.761	41.216	1017
1181	4.128	34.983	5.94				4.035	27.769	41.250	1169
1411	3.957	34.984	6.02				3.845	27.790	41.285	1396
1598	3.842	34.996	6.01				3.715	27.813	41.318	1580
1826	3.639	34.974	6.08				3.493	27.817	41.340	1804
1989	3.537	34.989	6.10				3.378	27.841	41.372	1964
2294	3.274	34.977	6.10				3.089	27.859	41.413	2265
2593	2.996	34.952	6.35				2.787	27.866	41.445	2558
2892	2.598	34.945	6.19				2.465	27.889	41.493	2851
3193	2.443	34.923	6.24				2.185	27.895	41.523	3145
3486	2.294	34.919	6.23				2.008	27.906	41.548	3431
3750	2.214	34.910	6.13				1.902	27.907	41.558	3689
4185	2.199	34.895	6.07				1.838	27.900	41.557	4113

ENDEAVOR 38 STA- 64
DATE 24/ 8/82

LAT= 37 39.9N LON= 71 0.0W

SONIC DEPTH= 3892m

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	26.148	34.646	4.64	26.147	22.722	28.969	35.014	0.015	-1.19	3
25	26.077	35.148	4.80	26.071	23.124	29.369	35.411	0.128	15.86	25
50	18.997	35.945	4.09	18.988	25.748	32.135	38.314	0.213	14.84	50
75	15.481	35.912	3.58	15.470	26.571	33.047	39.310	0.258	7.94	74
100	14.398	35.904	3.44	14.383	26.805	33.310	39.602	0.291	4.17	99
150	12.135	35.557	3.20	12.115	27.008	33.582	39.938	0.350	3.17	149
200	10.335	35.366	3.42	10.312	27.184	33.815	40.227	0.400	3.15	198
250	8.779	35.159	3.29	8.752	27.291	33.974	40.436	0.444	2.68	248
300	8.037	35.116	3.50	8.007	27.364	34.073	40.560	0.484	2.43	298
350	7.178	35.084	3.94	7.144	27.465	34.205	40.720	0.519	2.61	347
400	6.245	35.053	4.47	6.209	27.567	34.341	40.888	0.550	2.29	397
450	5.672	35.033	4.82	5.634	27.625	34.420	40.987	0.577	1.77	446
500	5.240	35.020	5.13	5.199	27.667	34.478	41.061	0.603	1.47	496
600	5.038	35.042	5.35	4.989	27.710	34.528	41.118	0.649	1.02	595
700	4.736	35.023	5.58	4.680	27.731	34.561	41.152	0.694	0.85	694
800	4.409	34.994	5.76	4.346	27.744	34.588	41.202	0.737	0.74	793
900	4.290	34.991	5.84	4.220	27.756	34.604	41.223	0.781	0.63	891
1000	4.181	34.986	5.90	4.103	27.764	34.617	41.240	0.824	0.60	990
1200	3.969	34.975	6.00	3.876	27.779	34.641	41.273	0.910	0.54	1188
1400	3.831	34.973	6.06	3.721	27.793	34.661	41.299	0.996	0.58	1385
1600	3.695	34.974	6.05	3.569	27.810	34.684	41.327	1.083	0.56	1582
1800	3.570	34.974	6.05	3.427	27.824	34.703	41.352	1.159	0.59	1779
2000	3.400	34.968	6.07	3.241	27.837	34.724	41.380	1.256	0.61	1976
2200	3.207	34.960	6.10	3.033	27.850	34.745	41.409	1.341	0.62	2172
2400	3.045	34.954	6.13	2.854	27.862	34.764	41.435	1.425	0.60	2369
2600	2.833	34.943	6.17	2.627	27.873	34.785	41.465	1.508	0.63	2565
2800	2.651	34.933	6.20	2.438	27.882	34.802	41.489	1.589	0.60	2761
3000	2.474	34.923	6.24	2.235	27.891	34.819	41.514	1.668	0.54	2957
3500	2.219	34.904	6.17	1.933	27.900	34.841	41.548	1.863	0.36	3445
3941	2.177	34.896	6.12	1.844	27.901	34.845	41.556	2.040	0.23	3876

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
9	26.198	34.728	4.97				26.196	22.769	35.058	9
102	13.654	35.829	3.37				13.640	26.905	39.744	102
201	9.731	35.272	3.20				9.708	27.215	40.297	200
300	7.814	35.105	3.61				7.784	27.389	40.600	298
401	6.150	35.065	4.55				6.115	27.589	40.916	397
597	5.033	35.055	5.35				4.984	27.721	41.130	591
796	4.554	35.021	5.69				4.491	27.750	41.196	788
995	4.149	34.984	5.93				4.072	27.766	41.244	985
1194	3.970	34.973	6.02				3.878	27.778	41.271	1182
1410	3.826	34.972	6.07				3.716	27.793	41.299	1394
1610	3.693	34.973	6.07	13.0	1.14	17.5	3.557	27.810	41.328	1591
1800	3.559	34.977	6.07	14.5	1.16	18.3	3.427	27.826	41.354	1779
1988	3.413	34.958	6.07	15.6	1.20	18.5	3.256	27.836	41.377	1964
2279	3.142	34.958	6.19	16.7	1.19	18.6	2.951	27.855	41.420	2249
2585	2.853	34.943	6.15	18.5	1.24	18.6	2.648	27.872	41.461	2550
2876	2.604	34.929	6.21				2.374	27.884	41.496	2835
3170	2.373	34.915	6.24	21.5	1.18	17.8	2.118	27.894	41.527	3122
3472	2.226	34.903	6.15	22.9	1.11	15.9	1.944	27.899	41.546	3418
3781	2.180	34.898	6.13	30.4	1.23	18.8	1.865	27.901	41.555	3719
3942	2.177			32.8	1.27	19.3				3876

ENDEAVOR 88 STA- 65
DATE 24/ 8/82

LAT= 37 60.0N LON= 73 59.6W

SONIC DEPTH= 3330m

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	24.051	34.843	4.85	24.050	23.509	29.795	35.878	0.013	0.84	3
25	20.457	35.442	5.66	20.463	24.977	31.335	37.486	0.102	18.04	25
50	15.302	35.434	4.79	15.295	26.242	32.728	39.000	0.159	9.96	50
75	13.944	35.567	4.27	13.933	26.640	33.161	39.468	0.198	5.28	74
100	13.236	35.566	4.29	13.222	26.787	33.329	39.655	0.231	3.54	99
150	12.530	35.607	3.49	12.510	26.962	33.523	39.869	0.291	3.42	149
200	10.800	35.392	3.25	10.776	27.122	33.738	40.135	0.344	3.19	198
250	9.274	35.217	3.24	9.247	27.249	33.916	40.361	0.390	2.72	248
300	8.053	35.115	3.47	8.032	27.360	34.068	40.554	0.431	2.80	298
350	7.175	35.085	3.94	7.142	27.466	34.206	40.721	0.466	2.68	347
400	6.285	35.070	4.49	6.249	27.576	34.347	40.893	0.497	2.51	397
450	5.743	35.061	4.83	5.704	27.639	34.430	40.995	0.524	1.64	446
500	5.241	35.026	5.13	5.200	27.672	34.483	41.066	0.549	1.39	496
600	4.958	35.029	5.37	4.919	27.708	34.529	41.122	0.595	1.05	595
700	4.555	35.003	5.62	4.510	27.733	34.570	41.178	0.639	0.86	694
800	4.355	34.994	5.75	4.303	27.749	34.594	41.210	0.682	0.67	792
900	4.190	34.979	5.88	4.121	27.757	34.609	41.232	0.725	0.59	891
1000	4.092	34.976	5.93	4.015	27.766	34.622	41.249	0.768	0.55	990
1200	3.956	34.977	5.98	3.872	27.781	34.643	41.275	0.854	0.60	1188
1400	3.849	34.980	6.01	3.739	27.798	34.665	41.302	0.939	0.54	1385
1600	3.706	34.980	6.01	3.580	27.813	34.686	41.329	1.026	0.58	1582
1800	3.531	34.974	6.04	3.390	27.828	34.709	41.359	1.111	0.62	1779
2000	3.355	34.967	6.06	3.207	27.840	34.728	41.385	1.196	0.63	1976
2200	3.154	34.959	6.08	2.990	27.853	34.750	41.416	1.280	0.50	2172
2400	2.984	34.951	6.11	2.794	27.864	34.759	41.443	1.363	0.60	2368
2600	2.827	34.941	6.14	2.601	27.874	34.757	41.468	1.445	0.66	2565
2800	2.590	34.929	6.19	2.358	27.885	34.808	41.499	1.525	0.60	2761
3000	2.439	34.921	6.26	2.200	27.892	34.821	41.518	1.604	0.65	2957
3371	2.222	34.906	6.15	1.950	27.900	34.840	41.547	1.745	0.31	3319

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
11	24.011	34.916	5.07				24.009	23.577	35.946	11
109	12.897	35.530	4.61				12.882	26.828	39.715	108
199	10.808	35.393	3.28				10.784	27.121	40.135	197
295	8.330	35.126	3.40				8.299	27.328	40.504	293
396	6.281	35.067	4.51				6.246	27.574	40.891	392
490	5.373	35.028	5.12				5.332	27.658	41.042	486
695	4.567	35.018	5.60				4.612	27.734	41.171	688
909	4.254	34.985	5.88				4.184	27.755	41.225	900
1070	4.052	34.973	6.00				3.969	27.768	41.254	1059
1280	3.903	34.972	6.04				3.803	27.784	41.283	1266
1485	3.758	34.977	6.05	14.2	1.14	18.0	3.672	27.802	41.311	1468
1685	3.629	34.973	6.29	15.1	1.06	18.4	3.497	27.816	41.339	1666
1903	3.439	34.969	6.07	15.6	1.12	17.3	3.289	27.833	41.372	1880
2090	3.255	34.958	6.11	15.8	1.12	16.2	3.090	27.843	41.398	2064
2318	3.051	34.949	6.20	17.4	1.05	15.9	2.868	27.857	41.429	2288
2504	2.888	34.938	6.16	16.4	0.92	14.8	2.690	27.864	41.451	2470
2695	2.691	34.933	6.20	20.6	1.13	17.7	2.478	27.878	41.482	2657
2868	2.533	34.922	6.23	20.1	0.88	16.6	2.306	27.884	41.502	2827
3051	2.356	34.913	6.25	20.4	1.06	16.3	2.124	27.892	41.525	3007
3371	2.222	34.903	6.13	27.1	1.11	18.2	1.950	27.898	41.545	3319

ENDEAVOR 98 STA- 66
DATE 24/ 8/82

LAT= 38 20.0N LON= 71 0.4W

SONIC DEPTH= 3045m

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	24.548	34.961	4.80	24.547	23.450	29.725	35.797	0.013	-0.20	3
25	19.711	35.158	6.12	19.707	24.961	31.339	37.508	0.105	19.47	25
50	14.349	35.376	4.63	14.342	26.406	32.918	39.216	0.157	8.54	50
75	13.482	35.532	4.37	13.472	26.709	33.244	39.564	0.194	4.80	74
100	13.172	35.607	4.37	13.158	26.832	33.375	39.702	0.226	3.72	99
150	11.810	35.523	3.53	11.790	27.036	33.620	39.987	0.283	3.33	149
200	9.911	35.288	3.23	9.888	27.197	33.842	40.267	0.332	2.97	198
250	8.528	35.137	3.31	8.502	27.305	33.998	40.468	0.375	2.55	248
300	7.712	35.102	3.68	7.682	27.402	34.123	40.620	0.413	2.89	298
350	6.538	35.056	4.26	6.606	27.525	34.294	40.817	0.446	2.67	347
400	6.025	35.067	4.68	5.990	27.607	34.388	40.943	0.475	1.96	397
450	5.439	35.033	5.04	5.401	27.654	34.457	41.032	0.500	1.67	446
500	5.014	35.008	5.31	4.974	27.685	34.504	41.095	0.524	1.21	496
600	4.719	35.000	5.55	4.671	27.713	34.544	41.146	0.569	0.84	595
700	4.500	34.992	5.72	4.445	27.732	34.571	41.182	0.613	0.81	694
800	4.393	34.999	5.81	4.320	27.751	34.595	41.210	0.656	0.73	792
900	4.277	34.982	5.88	4.138	27.757	34.609	41.231	0.699	0.59	891
1000	4.135	34.984	5.93	4.057	27.768	34.622	41.247	0.742	0.63	990
1200	3.953	34.981	6.01	3.870	27.785	34.647	41.279	0.827	0.55	1188
1400	3.808	34.976	6.11	3.698	27.799	34.667	41.305	0.912	0.57	1385
1600	3.673	34.976	6.12	3.548	27.813	34.688	41.332	0.998	0.59	1582
1800	3.505	34.972	6.10	3.364	27.828	34.710	41.361	1.083	0.59	1779
2000	3.329	34.966	6.11	3.171	27.842	34.732	41.390	1.168	0.58	1976
2200	3.140	34.958	6.11	2.967	27.855	34.753	41.419	1.251	0.62	2172
2400	2.959	34.949	6.13	2.770	27.866	34.772	41.446	1.334	0.60	2368
2600	2.778	34.940	6.18	2.573	27.876	34.790	41.472	1.415	0.58	2565
2800	2.575	34.929	6.21	2.354	27.885	34.809	41.499	1.495	0.75	2761
3000	2.359	34.916	6.25	2.122	27.895	34.827	41.527	1.572	0.48	2956
3063	2.356	34.916	6.20	2.122	27.895	34.828	41.528	1.596	0.02	3018

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
14	24.133	34.977	4.88				24.180	23.572	35.934	14
102	13.075	35.622	4.29				13.061	26.863	39.739	101
203	9.817	35.284	3.27				9.794	27.210	40.286	201
299	7.504	35.089	3.77				7.475	27.422	40.654	297
396	5.927	35.071	4.76				5.893	27.623	40.965	393
515	4.951	35.019	5.36				4.909	27.701	41.116	510
604	4.705	35.020	5.56				4.657	27.731	41.164	598
699	4.508	34.989	5.69				4.454	27.729	41.178	692
793	4.485	35.018	5.75				4.422	27.755	41.206	785
994	4.132	34.980	5.94				4.055	27.765	41.244	985
1196	3.958	34.985	6.00				3.866	27.788	41.282	1184
1392	3.806	34.990	6.13				3.698	27.810	41.316	1377
1594	3.654	34.976	6.06				3.529	27.815	41.335	1575
1823	3.487	34.972	6.09				3.344	27.830	41.365	1802
1987	3.339	34.968	6.11				3.182	27.843	41.390	1963
2182	3.147	34.973	6.11				2.975	27.866	41.429	2154
2373	2.952	34.949	6.13				2.765	27.866	41.446	2342
2676	2.701	34.932	6.19				2.489	27.877	41.479	2639
2968	2.370	34.929	6.23				2.136	27.904	41.535	2925
3064	2.366	34.913	6.24				2.123	27.892	41.525	3018

ENDEAVOR 38 STA- 67
DATE 24/ 8/82

LAT= 38 41.2N LON= 71 0.3W

SONIC DEPTH= 3000m

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	25.158	35.010	5.30	25.167	23.300	29.562	35.622	0.014	4.77	3
25	25.072	35.283	4.94	25.067	23.536	29.799	35.858	0.113	13.96	25
50	16.057	35.133	5.76	16.059	25.837	32.306	38.562	0.191	11.95	50
75	14.497	35.623	3.95	14.486	26.565	33.071	39.362	0.235	6.75	74
100	13.894	35.771	3.57	13.879	26.809	33.330	39.637	0.269	4.31	99
150	11.946	35.535	3.27	11.926	27.019	33.599	39.952	0.326	3.08	149
200	10.117	35.290	3.10	10.093	27.163	33.802	40.221	0.377	2.86	198
250	9.059	35.198	3.31	9.032	27.259	33.943	40.396	0.421	2.83	248
300	7.776	35.124	3.83	7.746	27.410	34.128	40.623	0.461	2.74	298
350	6.670	35.053	4.30	6.638	27.519	34.277	40.809	0.494	2.85	347
400	6.040	35.045	4.63	6.004	27.588	34.359	40.923	0.523	1.75	397
450	5.574	35.046	4.92	5.636	27.636	34.430	40.997	0.550	1.88	446
500	5.152	35.009	5.26	5.111	27.670	34.484	41.070	0.574	1.29	496
600	4.755	34.997	5.54	4.707	27.707	34.536	41.137	0.621	0.97	595
700	4.551	34.995	5.68	4.506	27.727	34.554	41.173	0.665	0.81	694
800	4.413	34.993	5.82	4.350	27.743	34.586	41.200	0.709	0.68	792
900	4.259	34.986	5.90	4.199	27.754	34.603	41.223	0.752	0.68	891
1000	4.151	34.983	5.95	4.083	27.754	34.618	41.242	0.796	0.56	990
1200	3.973	34.974	6.04	3.880	27.778	34.640	41.271	0.882	0.58	1188
1400	3.835	34.974	6.07	3.726	27.794	34.652	41.299	0.959	0.56	1385
1600	3.700	34.974	6.07	3.575	27.810	34.683	41.326	1.055	0.58	1582
1800	3.567	34.975	6.09	3.425	27.825	34.704	41.353	1.142	0.60	1779
2000	3.397	34.969	6.10	3.238	27.838	34.725	41.381	1.227	0.58	1975
2200	3.232	34.962	6.10	3.057	27.849	34.744	41.406	1.313	0.64	2172
2400	3.023	34.952	6.15	2.832	27.862	34.756	41.437	1.397	0.61	2368
2600	2.830	34.942	6.20	2.623	27.873	34.785	41.464	1.479	0.65	2565
2800	2.613	34.929	6.26	2.391	27.883	34.804	41.493	1.560	0.69	2761
3000	2.341	34.914	6.28	2.105	27.894	34.828	41.528	1.638	0.78	2956
3029	2.344	34.915	6.27	2.104	27.895	34.829	41.529	1.649	0.16	2985

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
13	25.296	35.291	4.88				25.293	23.474	35.787	12
103	13.750	35.769	3.61				13.745	26.836	39.671	102
202	10.086	35.306	3.19				10.062	27.181	40.240	200
301	7.659	35.129	3.83				7.639	27.429	40.649	299
399	6.038	35.052	4.66				6.003	27.594	40.929	396
500	5.108	35.007	5.25				5.068	27.673	41.077	495
600	4.804	35.008	5.46				4.756	27.710	41.136	594
699	4.610	35.004	5.66				4.555	27.729	41.171	693
794	4.473	35.005	5.75				4.410	27.746	41.199	787
1000	4.140	34.981	5.96				4.062	27.765	41.244	990
1194	3.984	34.985	6.03	13.0	1.30	18.3	3.891	27.786	41.278	1181
1394	3.847	34.976	6.09	11.4	1.05	15.3	3.738	27.794	41.298	1378
1592	3.585	34.974	6.10	14.6	1.21	18.2	3.560	27.811	41.328	1574
1787	3.542	34.974	6.10	15.8	1.24	18.5	3.401	27.826	41.356	1766
1991	3.401	34.972	6.10	17.1	1.30	18.5	3.244	27.840	41.382	1966
2194	3.216	34.952	6.10	18.5	1.26	18.7	3.041	27.851	41.409	2166
2389	3.029	34.959	6.15	19.6	1.25	18.5	2.839	27.867	41.442	2358
2592	2.833	34.945	6.20	20.3	1.33	18.3	2.627	27.875	41.466	2557
2783	2.526	34.932	6.24	20.5	1.28	17.9	2.406	27.884	41.493	2744
3026	2.343	34.921	6.28	22.0	1.24	16.9	2.104	27.900	41.534	2981

ENDEAVOR 98 STA- 68
DATE 24/ 8/82

LAT= 38 59.4N LON= 71 0.0W

SONIC DEPTH= 2835m

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	23.423	33.919	5.08	23.423	22.994	29.301	35.403	0.015	9.93	3
25	21.241	35.858	5.29	21.236	25.084	31.421	37.552	0.107	18.59	25
50	15.732	35.577	4.49	15.775	26.244	32.715	38.974	0.164	10.48	50
75	13.566	35.541	4.32	13.555	26.699	33.232	39.549	0.201	5.26	74
100	13.731	35.732	3.90	13.717	26.813	33.339	39.650	0.234	3.39	99
150	12.192	35.566	3.50	12.172	26.996	33.569	39.924	0.292	3.00	149
200	10.650	35.374	3.29	10.626	27.135	33.756	40.158	0.344	3.22	198
250	8.890	35.184	3.36	8.863	27.285	33.955	40.423	0.389	2.97	248
300	7.792	35.108	3.68	7.761	27.395	34.112	40.607	0.429	2.81	298
350	6.892	35.081	4.19	6.859	27.503	34.252	40.777	0.462	2.25	347
400	6.190	35.044	4.59	6.155	27.568	34.343	40.892	0.493	2.03	397
450	5.772	35.034	4.83	5.734	27.614	34.405	40.968	0.520	1.56	446
500	5.377	35.021	5.09	5.355	27.650	34.455	41.032	0.546	1.49	496
600	4.951	35.008	5.43	4.903	27.693	34.515	41.109	0.594	1.11	595
700	4.628	34.997	5.66	4.573	27.722	34.556	41.162	0.639	0.92	694
800	4.417	34.987	5.81	4.355	27.738	34.581	41.195	0.684	0.76	792
900	4.242	34.975	5.94	4.172	27.748	34.598	41.219	0.728	0.63	891
1000	4.218	34.985	5.96	4.140	27.759	34.611	41.233	0.771	0.62	990
1200	4.013	34.975	6.07	3.919	27.774	34.634	41.265	0.859	0.55	1187
1400	3.894	34.976	6.10	3.784	27.789	34.655	41.290	0.946	0.56	1385
1600	3.748	34.972	6.12	3.622	27.803	34.675	41.316	1.035	0.61	1582
1800	3.625	34.976	6.10	3.482	27.820	34.697	41.344	1.122	0.59	1779
2000	3.429	34.957	6.14	3.270	27.833	34.719	41.373	1.210	0.63	1975
2200	3.254	34.963	6.13	3.089	27.847	34.740	41.402	1.296	0.61	2172
2400	3.093	34.955	6.17	2.891	27.859	34.760	41.429	1.381	0.64	2368
2600	2.841	34.942	6.25	2.634	27.872	34.783	41.463	1.465	0.73	2564
2800	2.577	34.927	6.30	2.356	27.884	34.807	41.498	1.545	0.74	2760
2853	2.480	34.922	6.28	2.255	27.889	34.816	41.510	1.566	1.10	2812

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	23.325	34.069	5.05				23.323	23.136	35.547	10
106	13.616	35.734	5.14				13.601	26.839	39.682	105
204	10.639	35.373	3.25				10.615	27.136	40.160	202
301	7.870	35.112	3.70				7.840	27.386	40.593	299
400	6.310	35.048	4.48				6.274	27.555	40.871	396
498	5.504	35.028	4.99				5.462	27.642	41.017	493
599	4.957		5.37							593
695	4.682	34.996	5.62				4.627	27.715	41.151	689
797	4.472	34.992	5.77				4.409	27.736	41.189	789
895	4.230	34.964	5.91				4.161	27.741	41.213	886
991	4.241	34.979	5.92	12.6	1.22		4.164	27.752	41.224	981
1190	4.041	34.976	6.01	12.8	1.22		3.948	27.773	41.261	1178
1393	3.907	34.972	6.07	13.3	1.21		3.797	27.785	41.285	1377
1591	3.752	34.968	6.12	13.9	1.21		3.636	27.798	41.310	1573
1790	3.625	34.978	6.10	15.3	1.26		3.483	27.821	41.345	1769
1988	3.435	34.964	6.11	16.5	1.24		3.277	27.830	41.370	1964
2180	3.277	34.965	6.11	18.0	1.25		3.103	27.848	41.401	2152
2382	3.092	34.952	6.16	18.6	1.27		2.902	27.856	41.426	2351
2585	2.854	34.941	6.17	19.5	1.22		2.648	27.870	41.460	2550
2851	2.479	34.919	6.28	21.5	1.22		2.255	27.886	41.508	2811

ENDEAVOR 88 STA- 69
DATE 25/ 8/82

LAT= 39 20.0N LON= 71 0.0W

SONIC DEPTH= 2600m

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	22.259	33.994	5.19	22.258	23.383	29.714	35.840	0.013	9.71	3
25	16.872	35.258	6.38	16.868	25.745	32.191	38.426	0.092	16.84	25
50	12.806	35.076	4.85	12.800	26.492	33.051	39.393	0.137	6.51	50
75	13.404	35.540	4.41	13.393	26.732	33.269	39.591	0.173	4.69	74
100	13.616	35.732	4.29	13.602	26.838	33.357	39.681	0.204	2.61	99
150	12.568	35.624	3.73	12.548	26.968	33.528	39.872	0.253	3.15	149
200	10.874	35.401	3.37	10.849	27.116	33.730	40.125	0.316	3.09	198
250	9.487	35.244	3.33	9.459	27.235	33.894	40.333	0.363	2.93	248
300	8.074	35.136	3.56	8.043	27.375	34.083	40.568	0.404	2.99	298
350	6.810	35.073	4.25	6.777	27.507	34.250	40.787	0.438	2.73	347
400	5.957	35.029	4.69	5.922	27.586	34.370	40.927	0.468	2.16	397
450	5.356	34.997	5.06	5.318	27.635	34.442	41.021	0.494	1.51	446
500	5.055	34.977	5.26	5.015	27.656	34.474	41.064	0.519	1.07	496
600	4.780	34.973	5.49	4.732	27.685	34.513	41.114	0.567	0.89	595
700	4.598	34.959	5.55	4.542	27.703	34.539	41.147	0.614	0.80	694
800	4.454	34.967	5.75	4.392	27.718	34.560	41.173	0.650	0.70	792
900	4.331	34.964	5.87	4.260	27.730	34.577	41.195	0.705	0.64	891
1000	4.256	34.967	5.90	4.188	27.740	34.590	41.210	0.751	0.61	990
1200	4.125	34.971	5.99	4.031	27.760	34.616	41.242	0.842	0.54	1187
1400	4.017	34.969	6.04	3.906	27.772	34.632	41.263	0.933	0.60	1385
1600	3.876	34.972	6.08	3.748	27.790	34.657	41.293	1.025	0.59	1582
1800	3.736	34.973	6.11	3.591	27.806	34.679	41.322	1.117	0.64	1779
2000	3.590	34.976	6.09	3.428	27.826	34.705	41.353	1.207	0.63	1975
2200	3.394	34.968	6.11	3.216	27.839	34.727	41.384	1.296	0.64	2172
2400	3.133	34.955	6.14	2.940	27.855	34.754	41.421	1.384	0.78	2368
2600	2.570	34.933	6.16	2.467	27.880	34.798	41.484	1.467	1.06	2564
2609	2.570	34.934	6.17	2.466	27.880	34.799	41.485	1.470	0.40	2573

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
19	18.029	34.783	6.36					18.026	25.101	19
103	13.102	35.584	4.44					13.087	26.828	102
202	10.634	35.377	3.27					10.609	27.140	201
285	8.386	35.153	3.51					8.356	27.340	283
391	6.102	35.037	4.60					6.068	27.573	387
491	5.058	34.976	5.28					5.029	27.653	486
690	4.569	34.962	5.67					4.514	27.701	684
891	4.326	34.964	5.85	12.2	2.10	18.8		4.257	27.730	883
1091	4.184	34.965	5.97	9.9	0.92	14.9		4.099	27.748	1080
1293	4.054	34.968	6.00	13.0	2.08	18.8		3.952	27.766	1279
1496	3.940	34.973	6.06	13.1	1.58	18.7		3.821	27.783	1479
1697	3.793	34.971	6.10	13.9	2.06	18.9		3.657	27.798	1677
1896	3.576	34.977	6.10	15.0	1.38	18.5		3.523	27.817	1873
2099	3.453	34.967	6.12	16.1	1.37	18.5		3.294	27.831	2073
2303	3.234	34.959	6.13	17.4	1.42	18.8		3.049	27.848	2273
2506	2.926	34.945	6.17	18.9	1.54	18.2		2.727	27.866	2472
2608	2.671	34.933	6.24	20.1	1.47	18.1		2.467	27.879	2572

ENDEAVOR 38 STA- 70
DATE 25/ 8/82

LAT= 39 40.1N LON= 70 60.0W

SONIC DEPTH= 2070m

PR	T	S	O2	θ	SIG-θ	SIG-1.5	SIG-3	HGTH	W	DE
dbar	Deg C	o/oo	ml/l	Deg C	kg/m3	kg/m3	kg/m3	m	cph	m
3	22.321	33.665	5.06	22.321	23.115	29.448	35.575	0.014	21.78	3
25	16.372	35.162	6.17	16.368	25.788	32.248	38.496	0.088	12.73	25
50	13.001	35.100	4.88	12.994	26.472	33.025	39.362	0.133	7.20	50
75	13.553	35.546	4.31	13.553	26.703	33.236	39.553	0.170	4.78	74
100	13.389	35.658	4.15	13.375	26.827	33.364	39.685	0.202	3.19	99
150	12.412	35.612	3.60	12.392	26.989	33.554	39.902	0.260	3.19	149
200	10.679	35.384	3.28	10.655	27.137	33.758	40.159	0.312	2.72	198
250	9.354	35.229	3.26	9.326	27.245	33.939	40.352	0.359	3.15	248
300	8.224	35.139	3.53	8.193	27.354	34.057	40.537	0.399	2.46	297
350	7.200	35.083	3.98	7.167	27.461	34.200	40.714	0.435	2.63	347
400	6.274	35.041	4.51	6.238	27.554	34.326	40.873	0.466	2.17	397
450	5.797	35.020	4.76	5.758	27.600	34.390	40.953	0.495	1.62	446
500	5.459	35.007	4.96	5.417	27.632	34.434	41.010	0.521	1.24	496
600	5.047	34.994	5.29	4.998	27.671	34.490	41.080	0.571	1.11	595
700	4.800	34.999	5.52	4.744	27.704	34.532	41.132	0.619	1.00	693
800	4.601	34.994	5.68	4.538	27.723	34.559	41.167	0.655	0.78	792
900	4.434	34.992	5.75	4.412	27.736	34.577	41.188	0.711	0.69	891
1000	4.346	34.985	5.86	4.267	27.746	34.592	41.210	0.756	0.62	990
1200	4.160	34.980	5.98	4.065	27.764	34.618	41.243	0.846	0.58	1187
1400	3.935	34.974	6.05	3.874	27.779	34.641	41.273	0.937	0.54	1385
1600	3.858	34.972	6.10	3.730	27.792	34.660	41.297	1.028	0.55	1582
1800	3.745	34.974	6.09	3.600	27.807	34.679	41.321	1.119	0.62	1779
2000	3.576	34.970	6.12	3.415	27.822	34.702	41.351	1.209	0.64	1975
2065	3.419	34.966	6.14	3.254	27.834	34.720	41.376	1.238	0.96	2039

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
12	19.618	34.213	5.50				19.616	24.263	36.832	12
102	13.358	35.666	4.18				13.343	26.840	39.699	101
200	10.784	35.415	3.25				10.759	27.143	40.157	198
299	8.313	35.156	3.45				8.282	27.354	40.530	297
399	6.402	35.056	4.40				6.366	27.549	40.859	396
598	5.073	34.991	5.38				5.024	27.665	41.073	592
794	4.622	34.992	5.67				4.558	27.720	41.161	786
896	4.458	34.985	5.82				4.387	27.733	41.188	888
1092	4.272	34.983	5.93				4.185	27.753	41.223	1081
1295	4.043	34.972	6.02				3.941	27.770	41.259	1281
1493	3.916	34.974	6.10				3.797	27.787	41.286	1476
1694	3.802	34.973	6.10				3.666	27.799	41.309	1674
1893	3.559	34.977	6.11				3.506	27.818	41.340	1870
2066	3.409	34.974	6.13				3.244	27.841	41.384	2040

ENDEAVOR 58 STA- 71 LAT= 40 0.0N LON= 73 60.0W SONIC DEPTH= 320m
DATE 25/ 8/82

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	cm	m
1	21.598	34.304	5.23	21.598	23.802	30.145	36.281	0.004	2.94	1
25	17.440	35.245	6.32	17.436	25.599	32.030	38.252	0.091	17.70	25
50	13.037	34.918	4.52	13.030	26.324	32.878	39.215	0.139	6.26	50
75	12.939	35.213	4.45	12.929	26.573	33.127	39.464	0.178	4.71	74
100	13.013	35.473	4.41	12.999	26.760	33.309	39.642	0.213	4.04	99
150	12.137	35.473	4.11	12.117	26.934	33.509	39.867	0.275	3.78	149
200	10.330	35.337	3.33	10.306	27.163	33.795	40.206	0.326	3.26	198
250	8.916	35.184	3.30	8.889	27.281	33.950	40.417	0.370	2.65	248
300	7.617	35.113	3.73	7.588	27.424	34.148	40.648	0.409	3.20	297
317	7.171	35.087	3.88	7.140	27.468	34.208	40.723	0.421	2.86	314
PR	T	S	O2	SIL	PHOS	N33	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
8	21.560	34.321	5.13					21.558	23.826	36.307
8	21.560	34.321	5.13					21.558	23.826	36.307
53	12.889	34.898	4.33					12.881	26.338	39.238
102	12.955	35.470	4.48					12.941	26.770	39.655
151	12.075	35.476	4.08					12.056	26.949	39.885
202	10.232	35.327	3.28					10.208	27.172	40.222
250	8.917	35.194	3.26					8.890	27.288	40.424
320	7.152	35.085	3.90					7.132	27.458	40.723

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