

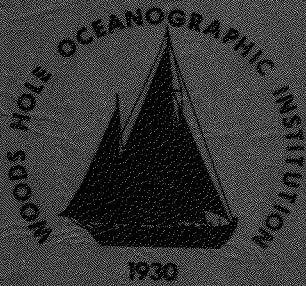
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HYDROGRAPHIC STATION DATA
CARIBBEAN SEA
ATLANTIS II CRUISE 78 AND KNORR CRUISE 37

By

William G. Metcalf, Marvel C. Stalcup,
and Marguerite E. Zemanovic

December 1974

TECHNICAL REPORT

*Prepared for the National Science Foundation
under Grant GA-27939.*

WOODS HOLE, MASSACHUSETTS 02543

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Approved for Distribution

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ABSTRACT

During Cruise 37 of the Research Vessel KNORR, 91 hydrographic stations were occupied, most of them in the general area of the Windward Passage, eastern Cayman Basin, Mona Passage and across the Caribbean Sea from Puerto Rico to Venezuela.

Vertical profiles of potential temperature, salinity, dissolved oxygen and dissolved silicate are presented. The data lists include, in addition to the observed parameters, such computed values as pressure, potential temperature, potential density, specific volume anomaly, sound velocity, dynamic height, potential energy, Väisälä frequency and Väisälä period.

Also included in the data lists are 28 hydrographic stations occupied during November 1973 on Cruise 78 of the Research Vessel ATLANTIS II in the Windward Passage, Central Caribbean Sea and the Atlantic Ocean just east of the Lesser Antilles.

INTRODUCTION

Cruise 37 of the Research Vessel KNORR is the third of a series of cruises carried out starting in 1970 in an effort to identify and trace the various water masses moving through the passages between the Atlantic Ocean and Caribbean Sea. As in the previous cruises, financial support was provided in the form of a National Science Foundation Grant*. The format of the present report follows that of the previous two (Metcalf, Stalcup and Zemanovic, 1971 and 1973).

In February to April 1970, Cruise 56 of the Research Vessel ATLANTIS II dealt mainly with the study of the passages through the Antilles Arc between Guadeloupe and the South American continent. Long sections of hydrographic stations were made on both the Atlantic and Caribbean sides of the island arc, and additional hydrographic stations were occupied in and near the

*National Science Foundation Grant # GA 27939 is gratefully acknowledged.

various major passages where current studies were also carried out. In March and April, 1972, Cruise 25 of the R/V KNORR continued the same general type of program with hydrographic sections extending between Puerto Rico and Guadeloupe on both sides of the island arc. Extra stations were occupied in the Anegada-Jungfern Passage area along with several types of current observations in this long passage.

In March 1974, the third main portion of this over-all study, Cruise 37 of the R/V KNORR, carried the work to the Mona and Windward Passages. The present data report deals primarily with the hydrographic station data from this cruise.

The work in the Windward Passage started in autumn of 1973 when, on Cruise 78 of the R/V ATLANTIS II, ¹ a brief bathymetric survey of the sill area of the passage was carried out followed by the anchoring of two moorings of current meters ² and the occupation of a number of hydrographic stations in the Windward Passage as well as in the main

¹Cruise 78 of the R/V ATLANTIS II was supported in part by the National Science Foundation under Grant GD 319183 and in part by the Atomic Energy Commission under contract AT (11-1)-3563, and the consideration of these agencies is gratefully acknowledged. The authors also wish to express their thanks to Dr. Vaughan T. Bowen, Senior Investigator of those two projects, and Dr. Hugh D. Livingston, Chief Scientist on the cruise, for making it possible for us to carry out this phase of the work. Our thanks are also due Captain Herbert Babbitt and the officers and crew of the R/V ATLANTIS II.

²The assistance of Dr. Nick P. Fofonoff and members of the "Buoy Group" of WHOI in preparing, mooring and retrieving the current meters is gratefully recognized as is the cooperation of the Office of Naval Research, through its project N00014-66-C0241 NR 083-004, in loaning us the current meters.

part of the Caribbean Sea and in the Atlantic Ocean just east of the Antilles. The station positions are shown in Figure 1.

R/V KNORR Cruise 37

Most of the emphasis of Cruise 37 of the R/V KNORR was on the Windward Passage area. The station positions and locations of the "sections" are shown in Figures 2, 3 and 4. Following the major work in the Windward Passage, a trans-Caribbean Section of hydrographic stations was carried out from the southwestern tip of Puerto Rico to the islands on the Venezuelan shelf. This section was made as a part of the CICAR (Cooperative Investigations of the Caribbean and Adjacent Regions) program, an international cooperative study aimed at increasing the scientific knowledge of that region. Following this, a few more stations were occupied at the western end of the section previously made across the Windward Passage Sill from the Atlantic Ocean to the Cayman Basin. Then the current meters moored the previous autumn on the sill were recovered. Hydrographic station sections across both ends of the Mona Passage completed the cruise.

HYDROGRAPHIC STATION DATA

The hydrographic station work followed the routine established on the previous cruises of this series. The stations were spaced 5 to 10 miles apart across the Windward Passage and 10 to 20 miles apart in the nearby areas. On the CICAR section across the Caribbean, the spacing was considerably greater. Most stations consisted of two

Nansen bottle casts with a total of 29 samples between a depth of one meter and the bottom. The samples were distributed within the water column to delineate as closely as feasible such features as the salinity maximum and oxygen minimum layers and any North Atlantic water which might be lying close to the bottom near the controlling sill of the Windward Passage. A bottom finding "pinger" was used to control the height above the bottom of the deepest sample. The common practice was to place the pinger 4-5 m below the bottom Nansen bottle and then lower the array until the pinger was 4-5 m above the bottom. Much of the time, because of the drift of the ship, the deepest sample was not exactly where it had been hoped it would be with respect to the bottom, but it was generally within about 10-15 m above the bottom.

In addition to the hydrographic stations occupied in connection with the Caribbean inflow studies, a series of 7 large volume stations were occupied for radio isotope sampling for Dr. V. T. Bowen under AEC Project # 3563.00. At these stations, ordinary hydrographic stations of two casts of Nansen bottles were also carried out. At a number of hydrographic stations, an additional short cast of 9 Nansen bottles in the upper 200 m at which only temperature and salinity were measured were added to the regular station by Dr. Edward Carpenter. Eleven of these short hydrographic stations not in conjunction with the regular 29 bottle cast were also occupied by Dr. Carpenter whose work was supported by NSF Grant GA 37993. The hydrographic station data from these various other stations are included in the listings in this report.

PROFILES

Temperature, salinity, oxity and dissolved silicates were measured for each Nansen bottle sample. After the thermometer corrections and depth computations were made and the chemical analyses run, the data were plotted vs. depth using the shipboard computer X-Y plotter. These graphs were then used in the construction of the vertical profiles. As was the case with the reports from the previous two cruises in this series (Metcalf, Stalcup and Zemanovic, 1971 and 1973) the vertical exaggeration for most of these profiles is 925:1. In the earlier cruises, most of the hydrographic stations were occupied in less than 2000 meters of water, and the profiles were all drawn to that depth only. In the present cruise, the stations often went considerably deeper than that figure, and the profiles extend all the way to the bottom. In the case of the trans-Caribbean section, because of its greater length compared with the depth, the vertical exaggeration has been made 250:1.

In most of the profiles, the ocean bottom is represented simply by a straight line connecting the corrected (by Matthew's tables, 1939) sonic depths of adjoining stations. In the case of that section extending across the Windward Passage sill, the actual controlling depth of that sill has been indicated in the profile in order to illustrate the physical "cut-off" level for uninterrupted water flow between the Atlantic and Caribbean through this passage. The actual sampling points are represented by dots in the profiles. In cases where the data points were thought to be of doubtful accuracy, if the values were not used in the contouring of the profile, the dot has been eliminated from the section.

In some instances, most commonly occurring in the oxygen profiles but to a very limited extent in some of the other parameters also, the scatter was such that if the contours were to follow the data points in strictest accuracy, the sharp contortions would be virtually impossible to follow. This situation occurred mostly, though not exclusively when an overlap of the two Nansen bottle casts resulted in sets of observations only a few meters apart in the water column which were actually gathered on separate casts an hour or more apart. Due, probably, to time dependent changes taking place in the water column a strict following of the rules of contouring would result in a profile that did not resemble the true situation at any one time. Therefore in some of these instances, a certain amount of judicious smoothing of the data was indulged in to construct what we believe to be a more realistic representation of the situation in the ocean. It must be confessed that if we were to look over the same material afresh and draw an entirely new and independent set of profiles, in all likelihood a number of slightly different interpretations might appear, but we feel that nonetheless the profiles presented in this report represent a reasonable portrayal of the situation. Attention should be called to the fact that potential temperature rather than observed in situ temperature is shown in the temperature profiles in this report. In previous data reports of this series, in situ temperature was used.

Deep sea reversing thermometers were used for obtaining the temperature. In general, temperatures were read to a hundredth of a degree C and are considered accurate to $\pm 0.02^\circ$. The bottom four

or five thermometers in the usual 29 bottle station were low range, expanded scale instruments which were read to 0.005° C and are considered accurate to $\pm 0.01^\circ$ C. In cases where the temperature was missed or there were obvious thermometer malfunctions, the temperature is omitted from the listings. In certain cases, temperature readings were obtained which appear to us to be of questionable accuracy, but we are not perfectly convinced that they are erroneous. In those cases, the value is marked with a "Q". This system was also employed in the cases of the other measurements besides temperature.

Depths were calculated in the standard way from paired protected and unprotected reversing thermometers carried in alternate Nansen bottles below about 150 m. Asterisks mark those cases in which the adopted depth agrees with the thermometrically determined depth to within 5 meters in the upper thousand meters of the water column and to within 0.5 % in the deeper water. The other depths in the lists were interpolated from the thermometrically determined depths. A horizontal line separates the Nansen bottle casts in each station.

The second column in the listing is the pressure in decibars derived from the temperature and salinity (and, thus, density) of the overlying water.

On R/V KNORR Cruise 37, the salinity determinations were done on a WHOI salinometer (Scheicher and Bradshaw, 1956). The results, listed to a thousandth of a part per mille, are considered to be accurate to about ± 0.003 ‰. On the case of the salinities for the ATLANTIS II Cruise 78, another type of salinometer was used, and there is some

reason to feel that the instrument was not giving as good results as it should have been. It is therefore advised that the salinities of those stations be considered accurate to about ± 0.008 to 0.01 %.

Dissolved oxygen was measured by a modified Winkler titration with an amperometrically determined end point. The results are believed to be accurate to about ± 3 %.

Reactive silicates were determined on a Gilford spectrophotometer using the method described by Strickland and Parsons (1972). This method differs somewhat from that used in the two earlier cruises of this series. Previously, the Grasshoff (1964) method was used which, while slightly simpler in some respects, suffers from a "phosphate reinforcement". That is, the presence of phosphates in the sample produces a slightly higher reading of apparent silicate than it should. The difference is probably quite small, but it should be kept in mind in making comparisons between the values listed in this report and those from the two earlier cruises of this series that a small discrepancy may exist due to this factor. It is believed that most of whatever discrepancy there may be will probably be masked by the fact that although the silicates were originally measured to a tenth of a micro-gram atom per liter, they are listed in this report to the nearest whole unit in keeping with the standard National Oceanographic Data Center format. Values to $0.1 \mu\text{gmAt}/1$ are on file at WHOI. The accuracy is considered to be of the order of $0.5 \mu\text{gmAt}/1$ or better.

Potential temperature (θ) has been computed. It should be pointed out that although the temperatures for the most part are

recorded to the nearest 0.01° C (the lowest temperatures at most stations are listed to the nearest 0.005° C as described above) the computer program lists all the potential temperatures to the nearest 0.001° C. It is suggested that rounding these values to the same decimal place as the original data would be more realistic.

Sigma-theta is listed instead of sigma-t. In the shallow water, this makes no significant difference, and in the deeper water we feel the sigma-theta is more useful. Again, the characteristics of the computer program makes it more convenient to list these values to three decimal places, but it would be more realistic to round them off to two places for most purposes.

In keeping with the previous data reports, specific volume anomaly (δ), dynamic height, sound velocity, potential energy, Väisälä frequency and Väisälä period, all derived from the WHOI hydrographic station computer program for reduced data, are also given.

ACKNOWLEDGEMENT

We wish to thank Captain Emerson H. Hiller and the officers and crew of the R/V KNORR for their assistance and cooperation in carrying out the field work involved in this report.

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FIGURE 1 through FIGURE 12

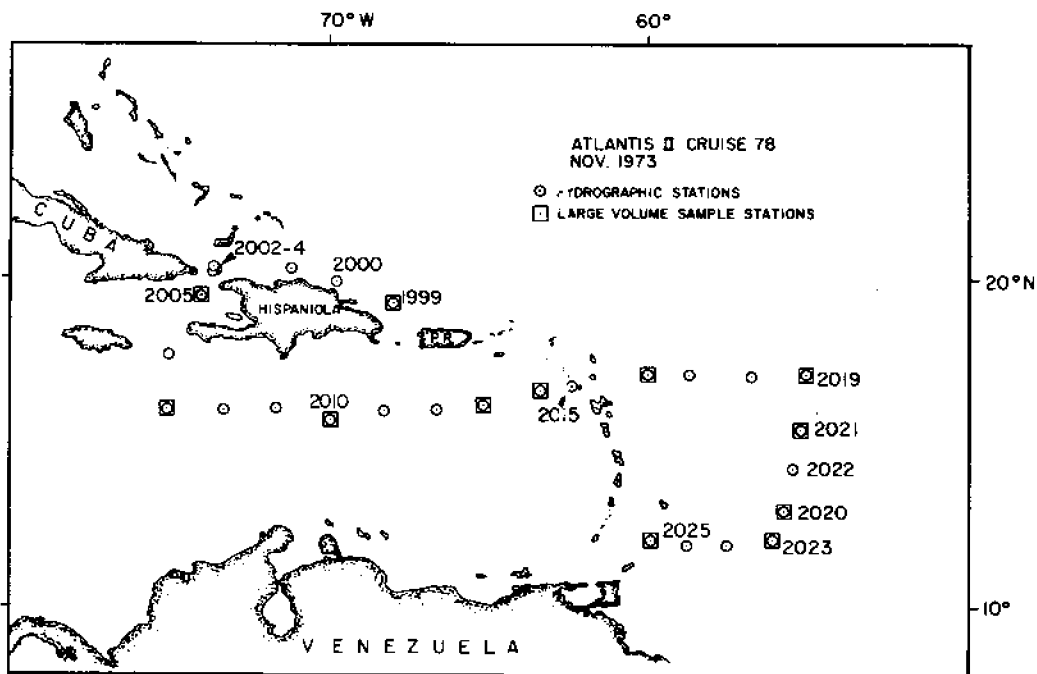


Figure 1. Station Locations, ATLANTIS II Cruise 78, 6 to 28 November 1973

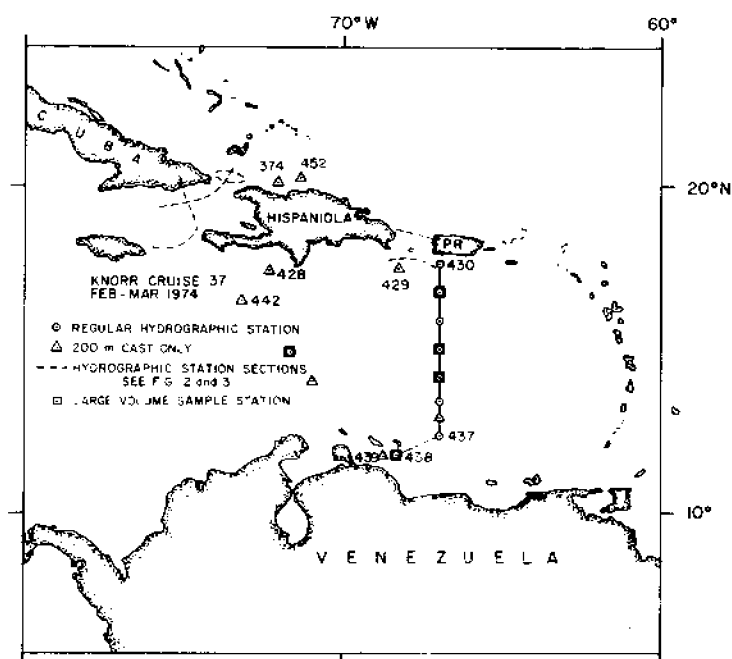


Figure 2. Station Locations, KNORR Cruise 37, February - March 1974

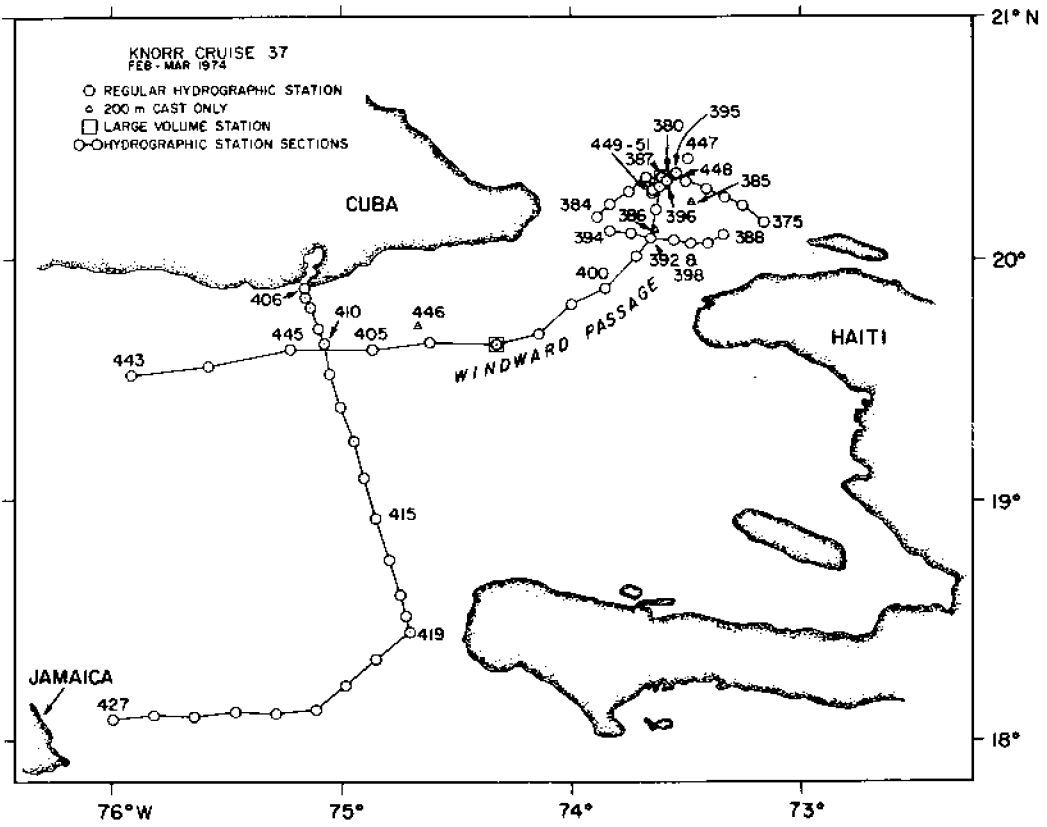


Figure 3. Station Locations in Windward Passage Area, KNORR Cruise 37, February - March 1974

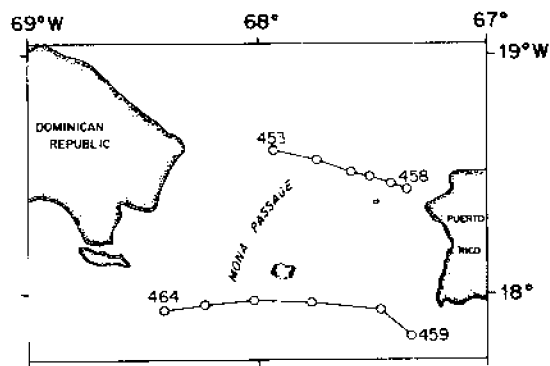


Figure 4. Station Locations in Mona Passage Area, KNORR Cruise 37, March 1974

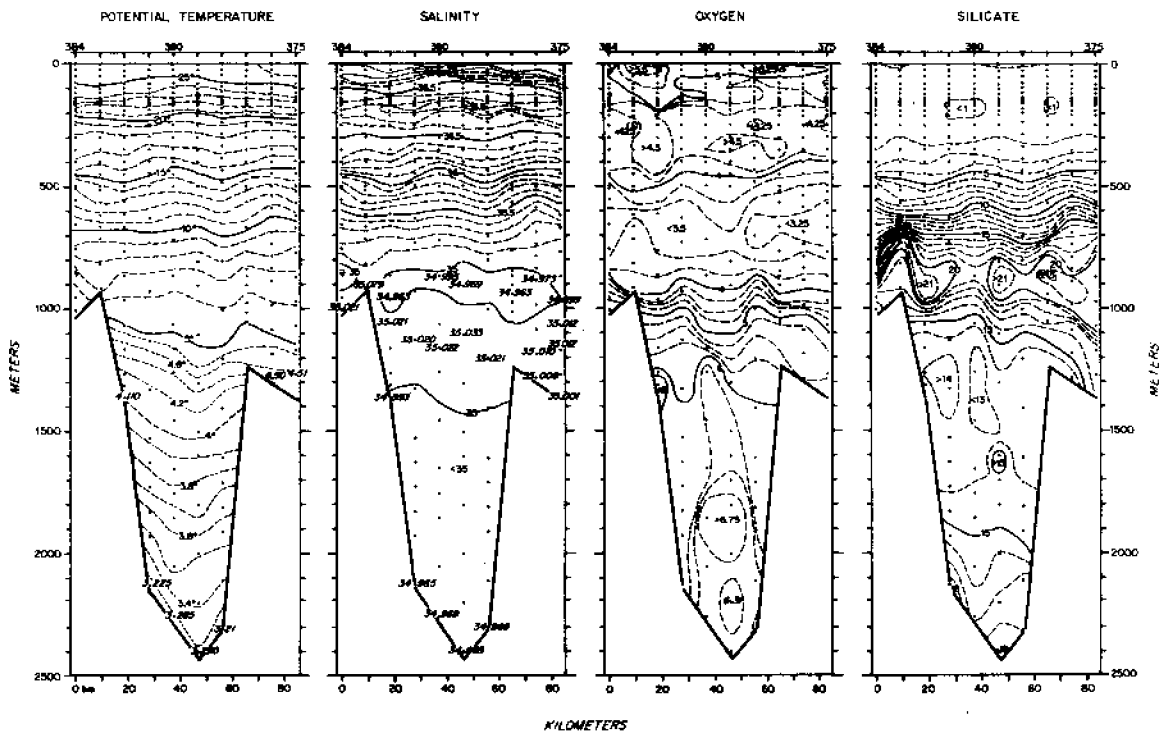


Figure 5. Potential Temperature, (Celsius), Salinity, (‰), Oxygen, (ml/l) and Silicate ($\mu\text{gM At/l}$) sections, Atlantic side of Windward Passage sill. Stations 375 through 384. See Figure 3 for station locations.

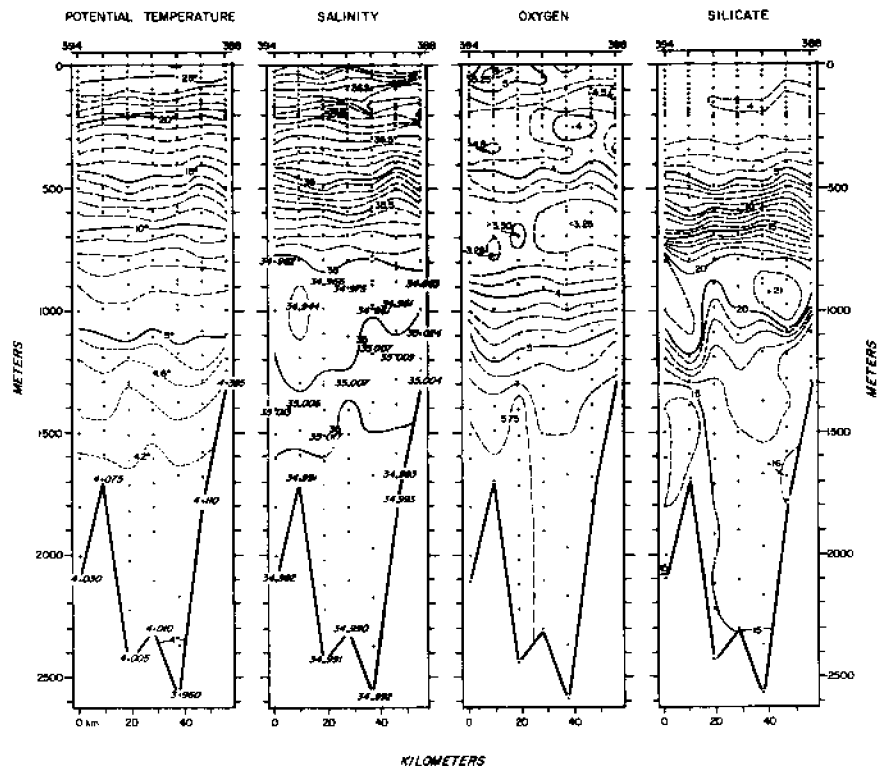


Figure 6. Potential Temperature, Salinity, Oxygen and Silicate sections on the Caribbean side of Windward Passage sill. Stations 388 through 394. See Figure 3 for station locations.

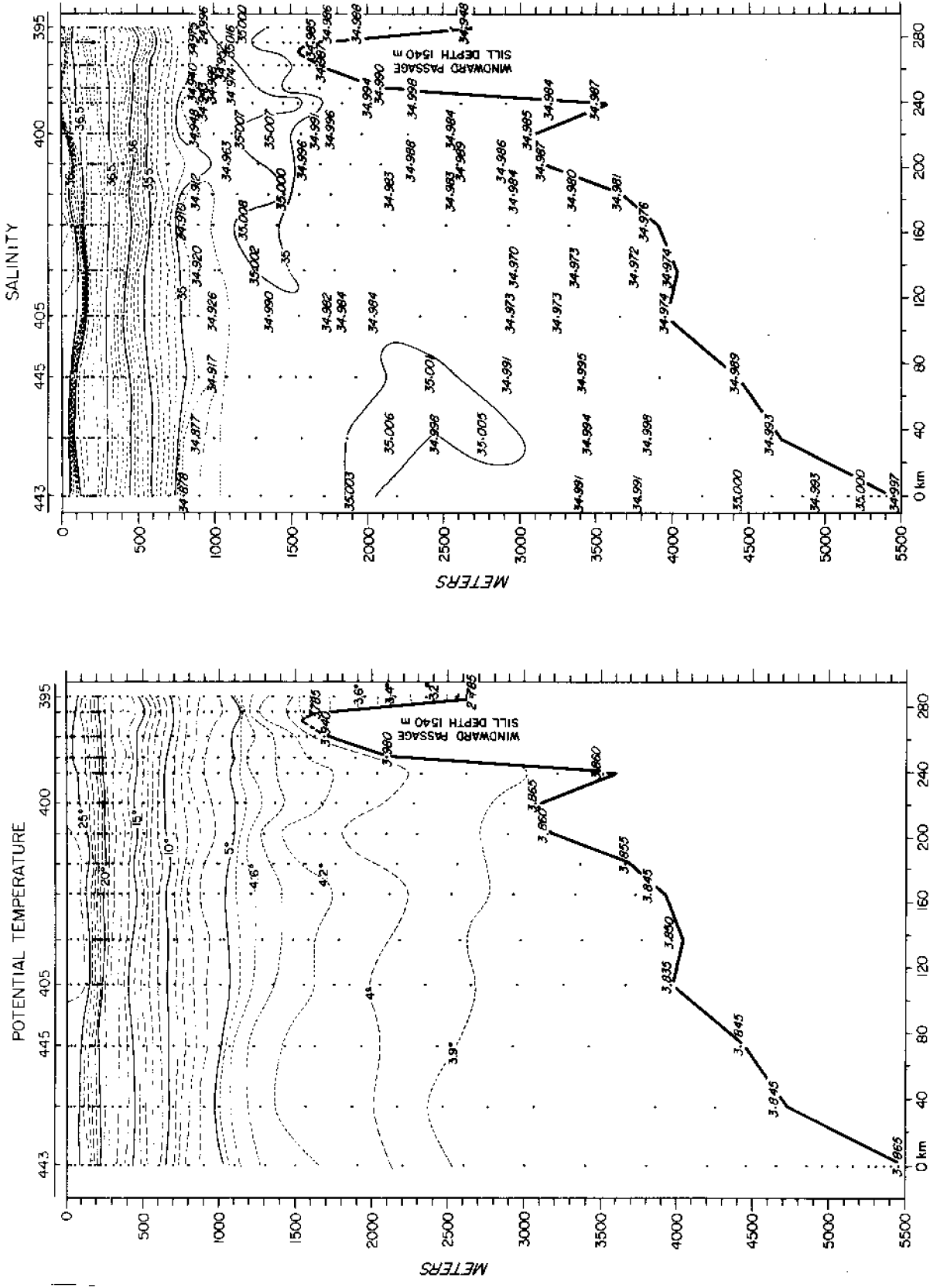


Figure 7A. Potential Temperature and Salinity sections through Windward Passage between the Atlantic Ocean and Cayman Basin. Stations 395 through 405 and 443 through 445. See Figure 3 for station locations.

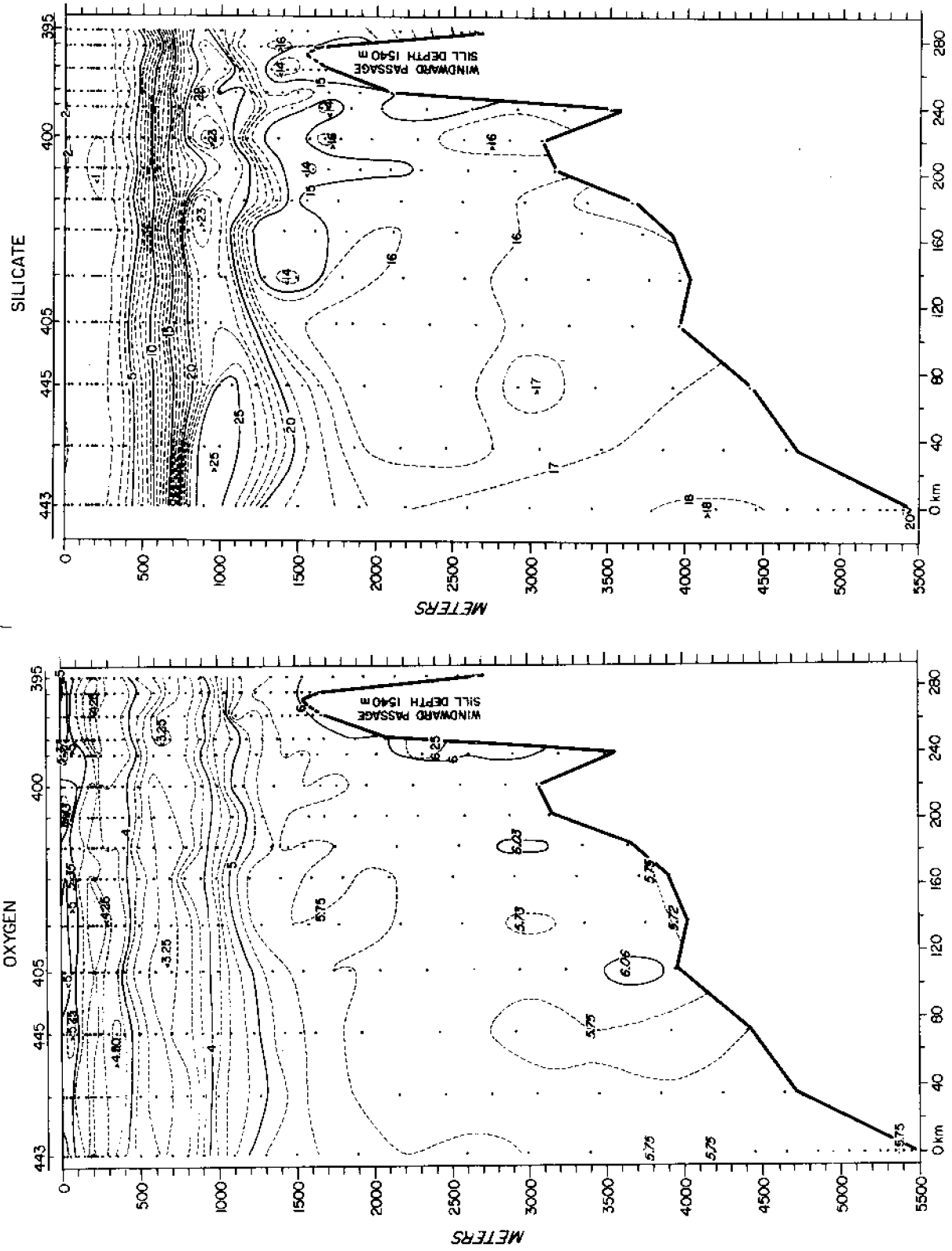


Figure 7B. Oxygen and Silicate sections through Windward Passage between the Atlantic Ocean and Cayman Basin. Stations 395 through 405 and 443 through 445. See Figure 3 for station locations.

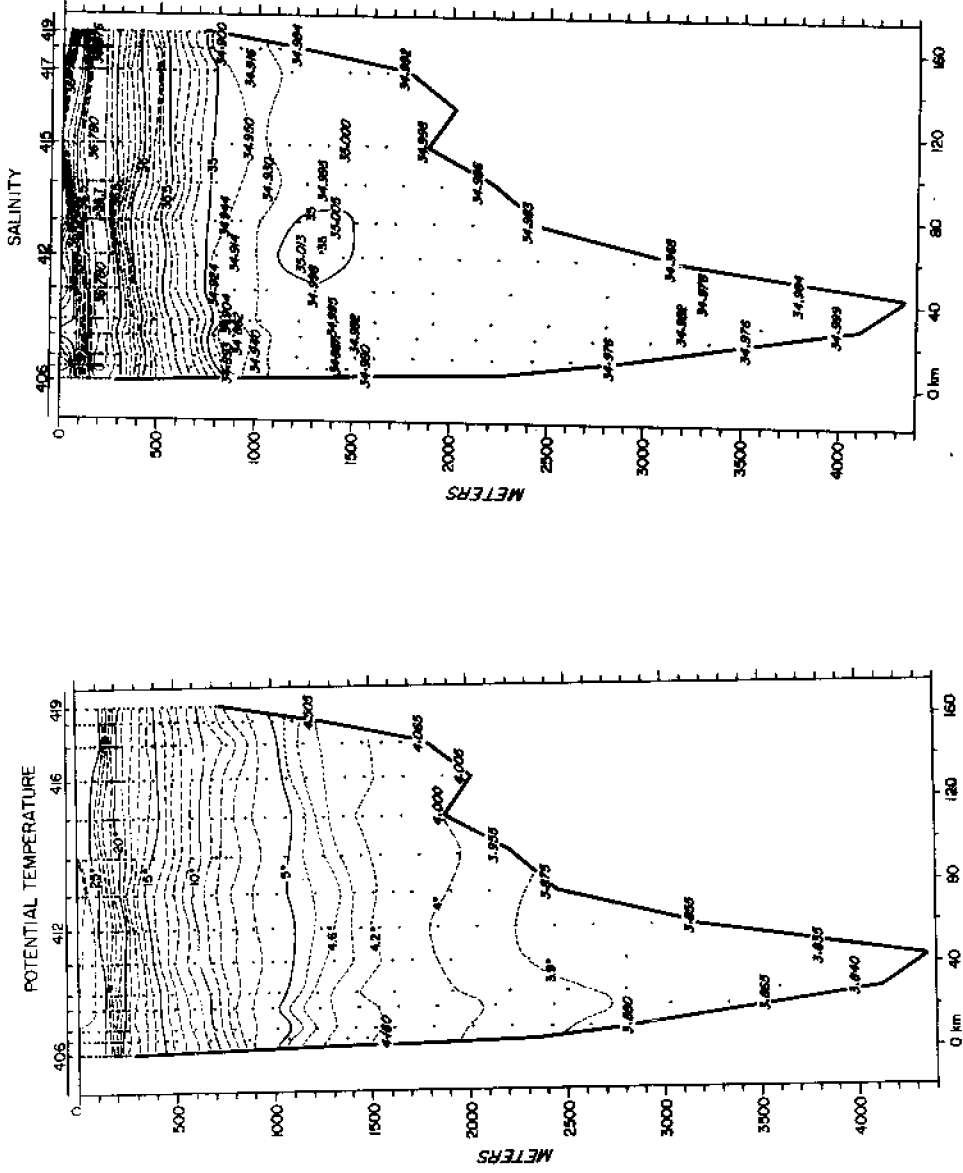


Figure 8A. Potential Temperature and Salinity sections between Cuba and Haiti. Stations 406 through 419. See Figure 3 for station locations.

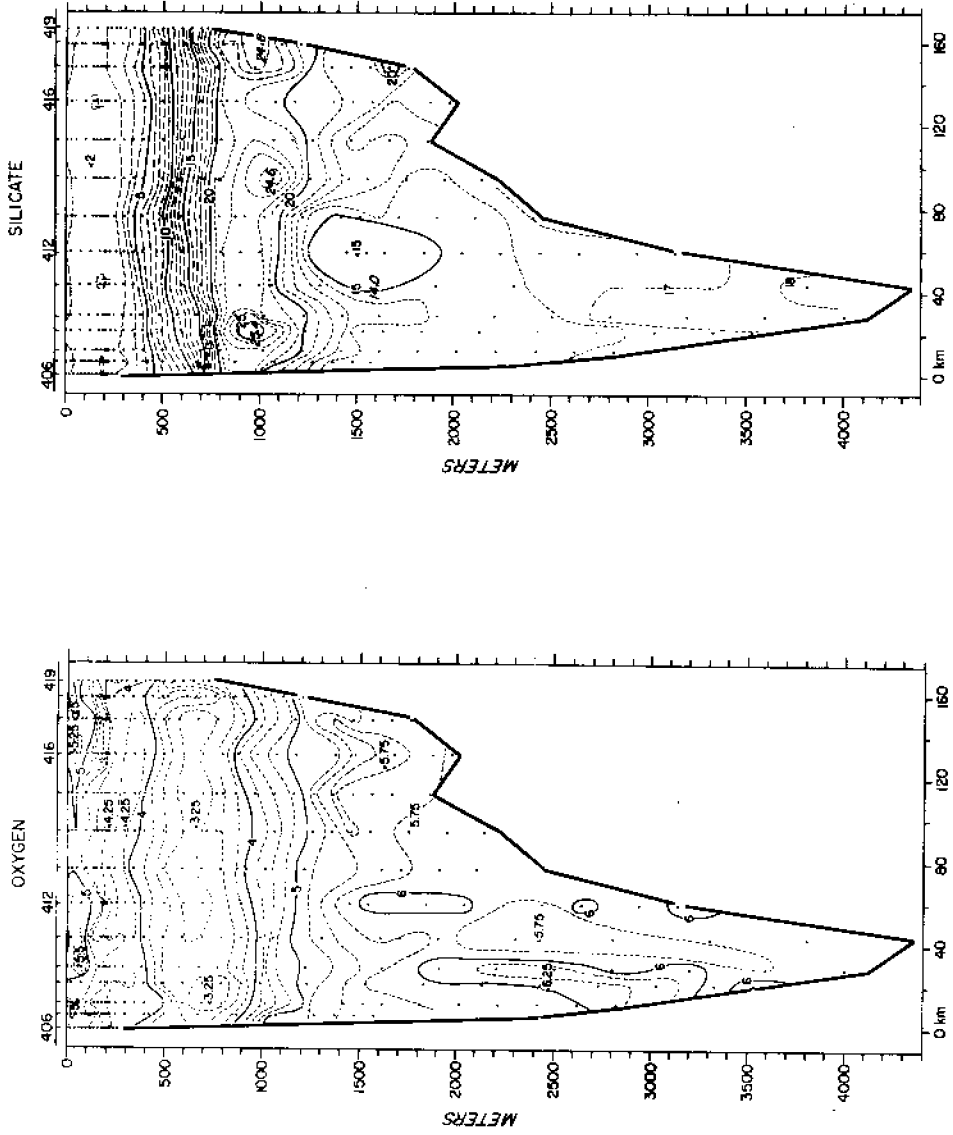


Figure 8B. Oxygen and Silicate sections between Cuba and Haiti. Stations 406 through 419. See Figure 3 for station locations.

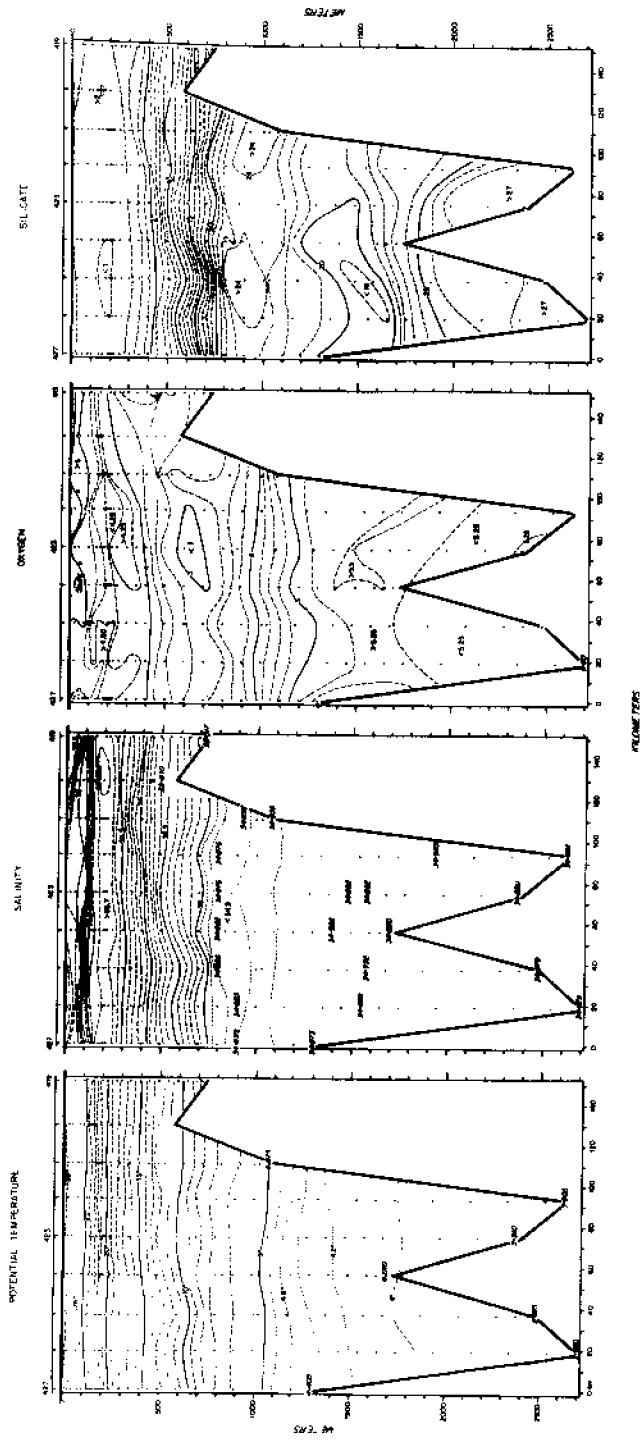


Figure 9. Potential Temperature, Salinity, Oxygen and Silicate sections between Haiti and Jamaica. Station 419 through 427. See Figure 3 for station locations.

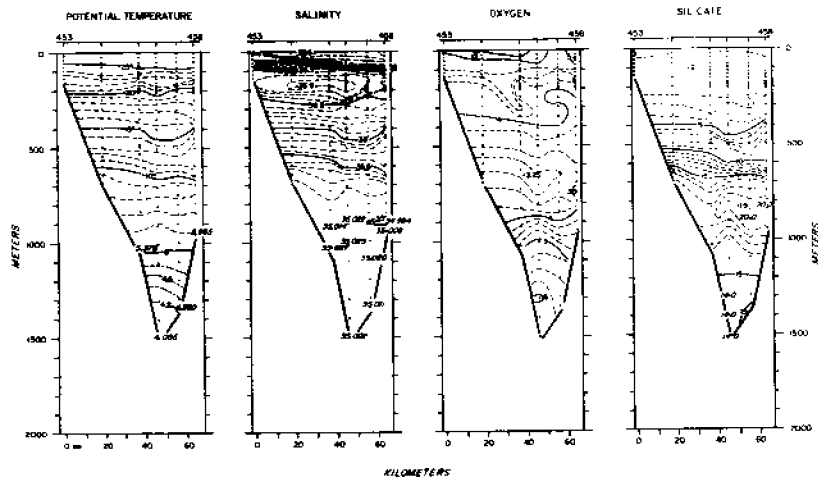


Figure 10. Potential Temperature, Salinity, Oxygen and Silicate sections on the Atlantic side of Mona Passage sill. Stations 453 through 458. See Figure 4 for station locations.

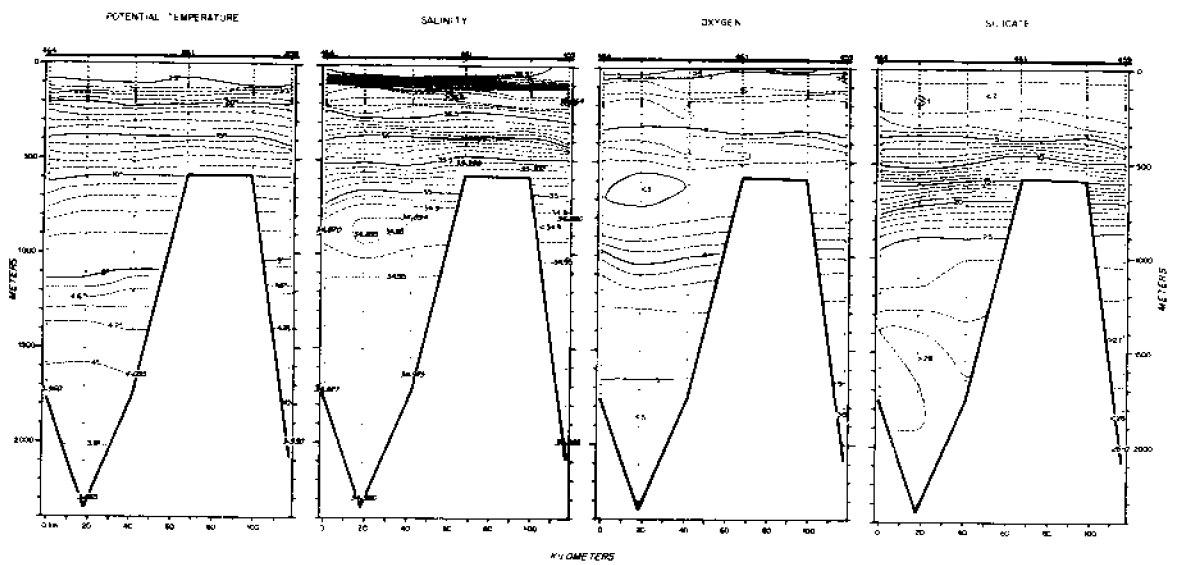


Figure 11. Potential Temperature, Salinity, Oxygen and Silicate sections on the Caribbean side of Mona Passage sill. Stations 459 through 464. See Figure 4 for station locations.

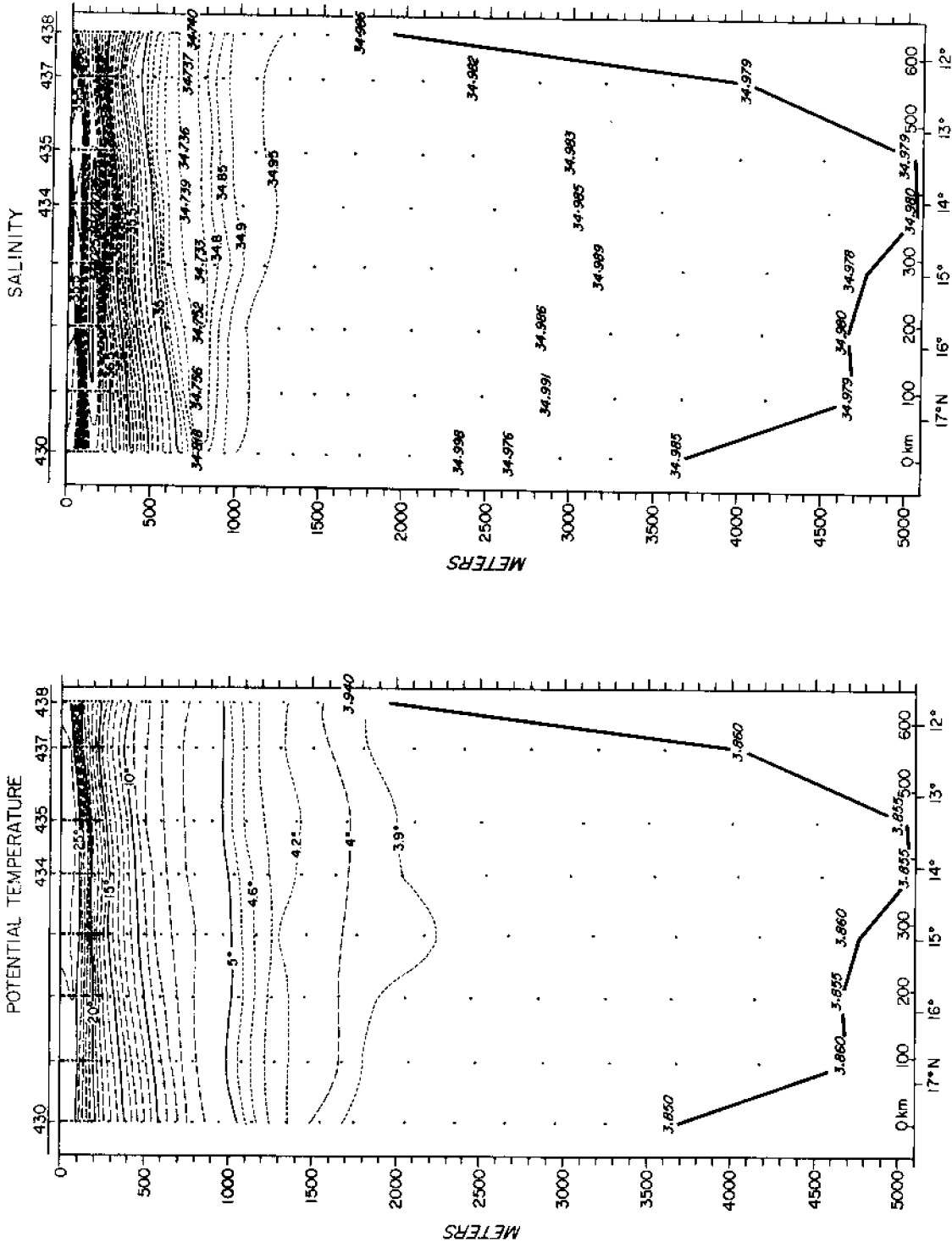


Figure 12A. Potential Temperature and Salinity sections between Puerto Rico and Venezuela. Stations 430 through 438. See Figure 2 for station locations.

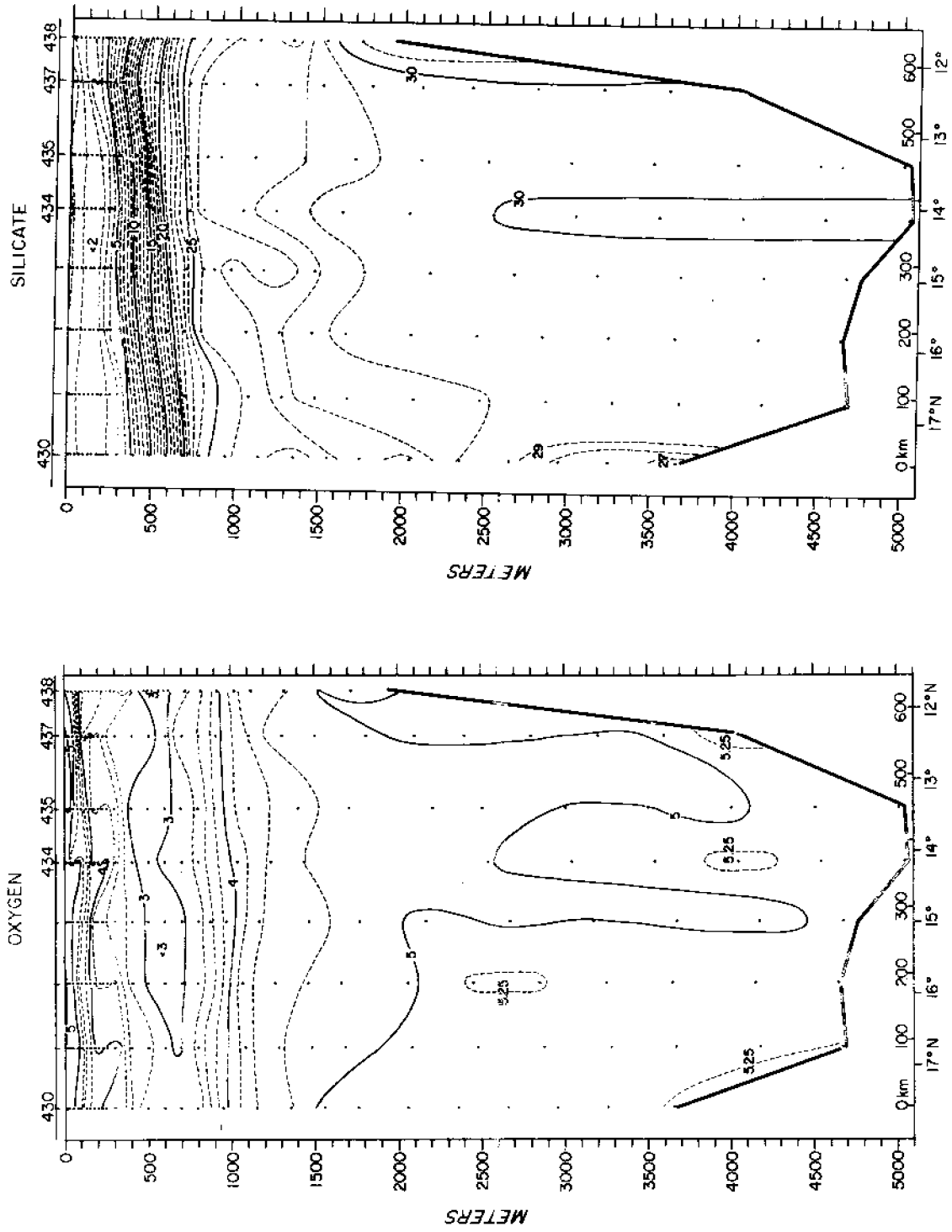


Figure 12B. Oxygen and Silicate sections between Puerto Rico and Venezuela. Stations 430 through 438. See Figure 2 for station locations.

ATLANTIS II CRUISE 78

Hydrographic Station Data

Stations: 1999 - 2026

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD	
31	A2	78	1999	6 XI 73	4.5	19 10.0 N	68 .0 W	5538							
DEPTH	PRESS	TEMP	SAL	OX	PO4	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	27.93	35.516				3	22.827	27.930	50.0	.000	1542.0	.000	5.935	10.1
39	39	28.10	36.156				2	23.255	28.091	465.0	.1843	1543.7	.363	4.446	13.5
69	79	27.92	36.327				1	23.445	27.904	448.4	.3216	1544.0	1.117	11.73	15.1
79	89	26.86	36.452				1	23.883	26.842	407.0	.3644	1542.0	1.441	10.26	5.9
89	99	25.87	36.480				1	24.217	25.850	375.5	.4037	1540.0	1.777	18.09	7.4
98	98	25.53	36.588				1	24.405	25.508	358.1	.4368	1539.4	2.094	10.28	5.8
108	108	24.69	36.692				1	24.741	24.667	326.4	.4711	1537.8	2.455	18.21	7.3
118*	118	24.13	36.752				1	24.956	24.105	306.4	.5022	1536.7	2.822	9.77	6.1
128*	128	23.18	36.906				1	25.260	23.473	277.9	.5322	1535.5	3.190	6.18	9.7
138*	138	22.92	36.942				1	25.381	23.151	266.8	.5595	1534.9	3.562	6.18	9.7
148	148	22.85	37.002				1	25.503	22.889	255.6	.5857	1534.5	3.946	6.06	9.9
172*	172	21.85	36.966				1	25.782	21.816	230.0	.6443	1532.1	4.902	5.26	11.4
176*	176	17.36	36.986				2	26.424	18.316	171.0	.7934	1523.5	8.013	2.80	21.4
236*	236	17.48	36.457				2	26.545	17.429	161.1	.8769	1521.6	10.928	1.91	31.4
341*	341	17.07	36.391				3	26.596	17.013	157.8	.9491	1521.0	12.685	1.98	30.2
390*	390	16.29	36.222				3	26.682	16.226	153.8	1.0259	1519.3	15.564	1.11	29.3
439*	439	15.00	36.024				4	26.793	14.932	141.1	1.0986	1515.8	18.650	2.72	22.1
488*	488	13.86	35.847				6	26.899	13.788	131.7	1.1659	1512.8	21.847	2.68	22.4
536	536	12.65	35.647				8	26.997	12.576	122.8	1.2275	1509.3	25.077	2.82	21.3
585*	585	10.98	35.372				11	27.101	10.906	112.3	1.2855	1504.0	28.411	2.40	25.0
634	637	9.94	35.239				13	27.177	9.884	105.0	1.3392	1500.9	31.767	2.31	26.0
682	735	8.29	35.170				16								
731	784	8.00	35.032				17	27.317	8.211	91.5	1.4353	1496.1	38.473	1.13	53.8
778	863	6.81	34.985				18	27.331	7.918	90.6	1.4802	1495.8	41.966	2.24	26.8
878	961	6.17	34.993				19	27.466	6.725	77.4	1.5633	1492.7	49.014	1.85	32.4
975*	981	6.17	34.993				19	27.558	6.079	69.0	1.6350	1491.8	55.825	.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD	
31	A2	78	2000	6-XI-73	19.5	19 51.0 N	69 49.0 W	3165							
DEPTH	PRESS	TEMP	SAL	OX	P84	PHSS	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	28.17	36.135					23.213	28.170	467.7	.000	1543.2	.090	3.36	17.9
40	69	28.01	36.127					23.353	28.000	455.7	.180	1543.6	.090	3.36	17.9
69	69	27.22	36.353					25.692	27.204	424.7	.308	1542.5	1.081	3.06	4.6
79	79	25.91	36.526					24.239	25.892	373.0	.348	1539.9	1.382	19.11	6.8
89	89	25.28	36.592					24.484	25.260	350.0	.384	1538.7	1.693	7.39	8.1
99	99	24.86	36.651					24.658	24.838	333.9	.417	1538.0	2.023	7.34	8.2
109	109	24.41	36.697					24.830	24.386	318.0	.451	1537.1	2.371	6.91	8.7
119	119	23.96	36.719					24.981	23.935	304.0	.482	1536.2	2.735	6.52	8.7
129	129	23.30	36.662					25.133	23.273	289.9	.512	1534.7	3.113	4.93	13.8
139	139	23.03	36.636					25.193	23.001	284.7	.542	1533.3	3.509	6.94	8.6
149	149	22.59	36.671					25.347	22.560	270.4	.569	1531.9	3.919	6.89	8.7
174	174	21.48	36.793					25.723	21.446	235.5	.632	1528.8	4.965	5.48	10.9
198	198	20.54	36.719					25.951	20.502	214.7	.686	1526.8	5.996	4.93	12.2
248	248	18.91	36.650					26.334	18.865	179.9	.786	1525.1	8.241	3.21	18.7
288	288	17.75	36.473					26.493	17.698	166.3	.873	1522.4	10.669	2.49	24.1
348	348	17.14	36.354					26.583	17.032	159.2	.950	1521.3	13.203	2.33	25.8
394	394	16.38	36.283					26.662	16.315	153.0	1.027	1519.7	16.117	2.21	21.3
443	443	15.16	36.048					26.777	15.091	143.0	1.100	1516.4	19.247	2.21	21.4
492	492	14.02	35.858					26.879	13.947	133.9	1.168	1513.4	22.520	2.25	23.6
541	541	12.95	35.688					26.969	12.874	125.8	1.232	1510.4	25.915	2.13	21.9
591	591	11.74	35.518					27.074	11.662	116.0	1.293	1506.9	29.450	2.25	23.5
640	640	10.46	35.326					27.159	10.381	107.6	1.348	1503.0	32.936	2.27	26.4
690	690	9.41	35.181					27.225	9.330	101.0	1.401	1499.8	36.524	2.11	28.5
739	739	8.70	35.108					27.283	8.618	95.5	1.449	1497.8	40.085	1.88	31.9
788	788	7.95	35.014					27.325	7.867	91.2	1.495	1495.7	43.704	2.26	26.6
886	886	6.90	34.894					27.464	6.813	87.0	1.539	1493.2	47.870	2.03	29.6
985	985	6.14	35.012					27.577	6.048	87.3	1.652	1491.9	51.828	.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD	
31	A2	78	2001	7. XI. 73	4.4	20 21.0 N	71 11.5 W	4596							
DEPTH	PRESS	TEMP	SAL	6X	P84	PHOS	SIL	SIGMA*	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	28.07	36.303					23.372	28.070	451.9	1.000	1543.2	1000	8.99	6.9.5
39	39	28.09	36.292					23.361	28.081	454.9	1.126	1543.8	1.354	8.04	7.5
68	68	26.53	36.413					23.958	26.514	399.3	1.2967	1541.0	1.022	8.89	6.7
88	88	25.32	36.577					24.661	25.301	352.2	1.3720	1538.8	1.029	8.68	6.9
97	97	24.75	36.631					24.676	24.729	332.1	1.4029	1537.7	1.011	8.35	9.4
107	107	24.38	36.652					24.804	24.357	320.3	1.4357	1537.0	1.259	6.59	9.1
117	117	24.09	36.719					24.943	24.065	307.6	1.4672	1536.5	2.614	6.23	9.6
127*	127*	23.73	36.740					25.066	23.703	296.3	1.4975	1535.8	2.992	9.24	6.5
137	137	23.05	36.835					25.338	23.022	270.8	1.5259	1534.4	3.377	9.24	9.6
146*	146*	22.81	36.889					25.449	22.820	260.6	1.5500	1534.1	3.724	5.66	10.6
156	156	22.35	36.848					25.550	22.318	251.4	1.5757	1533.0	4.122	5.10	11.8
166	166	21.82	36.758					25.632	21.787	243.9	1.6005	1531.7	4.532	5.82	10.3
176	176	21.08	36.910					25.954	21.042	214.5	1.6696	1530.5	5.807	4.68	12.8
185*	185*	21.36	36.747					26.292	21.315	184.0	1.7677	1526.4	8.006	3.65	16.4
195*	195*	17.88	36.523					26.498	17.839	165.8	1.8557	1522.8	10.429	1.93	31.0
202*	202*	17.24	36.385					26.550	17.182	162.3	1.9332	1521.5	12.961	3.04	19.7
211*	211*	16.08	36.205					26.620	16.017	150.3	1.0103	1518.6	15.862	2.69	22.3
220*	220*	14.99	36.019					26.792	14.922	141.3	1.0822	1516.8	18.914	2.89	21.1
228*	228*	13.69	35.805					26.907	13.619	130.9	1.1494	1512.2	22.110	2.73	22.0
238*	238*	12.47	35.619					27.010	12.356	121.3	1.2115	1508.7	25.386	2.30	26.0
247*	247*	11.49	35.468					27.082	11.414	114.8	1.2699	1505.9	28.750	2.09	28.8
256*	256*	10.68	35.331					27.138	10.521	109.6	1.3253	1503.4	32.250	2.09	28.8
264	264	9.68	35.222					27.212	9.559	102.5	1.3788	1500.8	35.856	2.21	25.6
275	275	8.76	35.108					27.274	8.678	96.4	1.4279	1498.0	39.441	2.23	26.9
285	285	6.94	35.066					27.474	6.853	77.0	1.5574	1493.4	50.102	2.20	27.3
292*	292*	5.88	35.018					27.603	5.790	64.2	1.6280	1490.8	56.840	1.84	32.6
1087*	1087*	5.25	35.028					27.700	5.155	55.0	1.6912	1490.0	63.542	1.42	42.2
1186	1186	4.78	35.022					27.751	4.680	50.2	1.7439	1489.7	69.685	1.11	54.1
1284*	1284*	4.49	35.017					27.780	4.383	47.7	1.7924	1490.2	75.850	1.03	58.4
1383*	1383*	4.19	35.004					27.803	4.077	45.7	1.8392	1490.6	82.273	0.91	66.2
1433	1433	4.09	35.002					27.812	3.974	43.0	1.8622	1491.0	85.602	0.71	84.1
1482*	1482*	4.01	34.997					27.817	3.890	44.8	1.8844	1491.5	88.946	0.63	95.6
1531*	1531*	3.92	34.995					27.825	3.792	44.6	1.9292	1492.7	96.018	0.63	94.6
1680*	1680*	3.84	34.995					27.837	3.704	44.8	1.9739	1494.1	103.523	0.44	135.8
1778*	1778*	3.78	34.990					27.837	3.635	44.8	2.0182	1495.8	111.426	0.67	193.5
1894	1894	3.70	34.990					27.846	3.547	44.6	2.0631	1496.6	119.882	0.77	177.6
1976*	1976*	3.57	34.988					27.858	3.409	43.7	2.1074	1497.9	128.690	0.00	1.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	A2	78	2002	10° XI '73	8.1	20 22.5 N	73 40.5 W	2539						
DEPTH	PRESS	TEMP	SAL	DX	PHOS	SIL	SIGMA*	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	28.28	35.965				23.049	28.280	482.8	.0000	1543.3	.000	2.01	29.9
25	25	28.32	36.021				23.080	28.314	481.0	.1158	1543.8	.154	6.83	8.8
49	49	28.04	36.370				23.436	28.028	448.2	.2275	1544.0	.572	8.64	6.9
98	98	26.18	36.520				24.150	26.122	381.5	.3522	1540.5	1.374	8.70	6.9
		24.87	36.587				24.607	24.849	338.8	.4208	1537.9	1.991	6.52	9.2
118	118	24.07	36.624				24.877	24.045	313.9	.4869	1536.4	2.713	6.61	9.1
138	138	23.31	36.653				25.154	23.281	288.2	.5468	1534.9	3.502	6.82	8.8
147	147	23.08	36.768				25.389	23.020	276.0	.5723	1534.5	3.875	5.65	10.6
157	157	22.89	36.840				25.389	22.858	266.8	.5995	1534.4	4.299	4.23	14.2
167	167	22.75	36.868				25.446	22.716	261.8	.6261	1534.2	4.739	6.02	10.0
177	177	22.21	36.808				25.560	22.174	251.3	.6518	1533.0	5.193	6.40	19.4
197	197	21.40	36.850				25.820	21.361	227.3	.6999	1531.3	6.112	6.13	9.8
216	216	20.36	36.772				26.045	20.319	206.5	.7413	1528.7	6.986	4.92	12.2
246	246	19.25	36.688				26.273	19.205	185.7	.8005	1526.1	8.382	4.08	14.7
298	298	17.68	36.477				26.526	17.569	162.9	.8864	1522.0	10.751	2.66	22.5
393	393	15.72	36.162				26.737	15.657	145.5	1.0384	1517.5	16.074	2.68	22.4
542	544	13.59	35.700				27.050	12.515	117.9	1.2360	1509.2	25.398	2.28	26.4
677	680	9.85	35.290				27.297	9.770	100.3	1.3844	1501.3	34.609	2.18	27.5
987	993	5.90	35.042				27.631	5.810	61.7	1.6378	1491.0	55.322	1.82	33.0
1085	1092	5.29	35.050				27.718	5.155	53.3	1.6947	1490.0	61.371	1.40	42.7
1184	1192	4.77	35.040				27.766	4.670	48.7	1.7458	1489.7	67.322	1.06	56.9
1283	1282	4.42	35.020				27.790	4.314	46.6	1.7935	1489.9	73.375	.83	72.3
1382	1393	4.23	35.012				27.805	4.117	45.6	1.8397	1490.7	79.712	.94	63.6
1491	1492	4.13	35.011				27.815	4.013	44.9	1.8622	1491.1	82.963	1.01	59.5
1530	1542	4.06	35.018				27.828	3.940	43.9	1.8842	1491.7	86.263	.57	104.7
1579	1582	4.00	35.013				27.831	3.876	43.9	1.9064	1492.2	89.710	.42	114.2
1678	1692	3.98	35.005				27.827	3.851	44.7	1.9284	1493.0	93.232	.49	123.2
1776	1792	3.83	35.000				27.831	3.773	45.0	1.9733	1494.3	108.781	.64	193.4
			35.000				27.840	3.685	44.8	2.0179	1495.7	108.717	.00	.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
31 A2 78 2003 10 XI 73 10:5 20 17.0 N 73 39.5 W 1448

DEPTH	PRESS	TEMP	SAL	OX	PO4	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	28.34	36.051					23.034	28.340	478.5	.0000	1543.5	.000	.31	192.7
23	23	28.35	36.054					23.035	28.344	479.5	.1055	1543.9	.130	6.28	9.6
45	73	27.29	36.352					23.722	27.273	422.0	.3313	1542.8	1.202	10.08	6.0
92	92	25.67	36.555					24.936	25.649	364.3	.4062	1539.6	1.829	7.29	8.2
110	110	24.76	36.586					24.736	24.736	336.1	.4694	1537.9	2.481	6.47	9.3
129	129	24.01	36.621					23.982	23.982	312.9	.5313	1536.4	3.236	7.48	8.0
138	138	23.86	36.656					23.531	23.531	298.0	.5589	1535.5	3.813	5.24	11.4
148	148	23.37	36.697					23.339	23.339	290.1	.5884	1535.3	4.045	5.34	11.2
157	157	23.16	36.723					23.127	23.127	282.7	.6143	1534.9	4.449	5.84	10.3
166	166	22.92	36.759					22.886	22.886	273.8	.6394	1534.5	4.865	5.83	10.3
185	185	22.31	36.797					22.524	22.524	255.1	.6899	1533.3	5.770	7.09	8.5
205	205	21.02	36.835					22.842	21.240	225.5	.7382	1531.1	6.732	9.7	9.7
233	233	19.29	36.878					26.189	19.247	194.0	.7972	1525.9	8.051	4.75	12.6
282	282	17.66	36.491					26.527	17.611	162.4	.8850	1521.9	10.349	2.46	24.4
380	380	16.03	36.216					26.707	15.969	148.0	1.0381	1518.3	15.511	2.71	29.2
380	380	18.02	35.414					27.126	10.947	109.9	1.2978	1504.1	27.918	2.06	29.1
781	781	18.20	35.102					27.356	8.116	88.6	1.4990	1496.6	41.763	2.16	27.8
895	895	6.88	35.041					27.500	6.792	74.6	1.5929	1493.4	49.808	2.33	25.7
991	991	5.81	35.043					27.643	5.720	60.4	1.6584	1490.7	56.123	1.86	32.3
1088	1088	5.14	35.053					27.733	5.048	51.6	1.7133	1489.6	61.974	1.98	61.0
1185	1185	4.60	35.035												
1281	1281	4.53	35.028					27.776	4.493	48.4	1.8110	1490.6	73.851	1.18	51.0
1306	1306	4.52	35.031					27.785	4.421	47.7	1.8231	1490.7	75.470	1.73	82.3
1330	1330	4.45	35.026					27.792	4.409	47.6	1.8347	1491.1	77.041	.91	65.7
1378	1378	4.34	35.021					27.800	4.337	47.3	1.8462	1491.2	78.833	1.25	47.8
1413	1413	4.27	35.016					27.804	4.226	46.4	1.8576	1491.1	80.233	.91	66.0
1426	1426	4.24	35.012					27.804	4.155	46.1	1.8688	1491.2	81.841	.44	137.6
								27.804	4.123	46.2	1.8800	1491.5	83.474	.00	1.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	A2	78	2004	10 XI 73	13:6	20 18.0 N	73 40.0 W	1551						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
928	935	6.39	35.035				27.562	6.302	68.4	0.000	1492.9	0.000	2.04	29.4
1026	1034	5.43	35.017				27.570	5.339	57.5	0.023	1489.7	6.242	1.63	36.8
1124	1133	4.56	35.035				27.740	4.864	51.0	0.160	1489.5	12.173	1.36	44.0
1172	1231	4.50	35.027				27.784	4.999	46.7	0.169	1489.2	17.949	1.91	45.7
1221	1279	4.27	35.016				27.803	4.167	44.8	0.186	1489.0	20.797	1.41	51.8
1269	1329	4.26	35.010				27.799	4.152	45.6	0.205	1489.8	23.783	1.86	69.4
1318	1377	4.16	35.006				27.807	4.049	45.0	0.230	1490.2	26.825	1.88	68.2
1366	1437	3.98	35.010				27.817	3.985	44.4	0.257	1490.7	30.002	1.85	70.3
1415	1476	3.90	35.002				27.824	3.862	43.8	0.274	1491.0	33.182	1.68	87.9
1463	1524	3.80	34.996				27.827	3.779	43.7	0.295	1491.5	36.443	1.00	110

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 A2 78 2005 11- XI -73 7.3 19 27.0 N 74 5.0 W 1280

DEPTH	PRESS	TEMP	SAL	8X	P84	PHAS	SIL	SIGMA- THETA	THETA	DELTA	DYN HT	SND VEL	P81 EN	V FREQ	PERIOD
1	1	28.26	36.201					23.833	28.260	465.2	.0000	1543.5	.000	3.03	19.8
39	39	28.17	36.305					23.344	28.161	456.5	.1754	1544.0	.356	7.95	17.5
68	68	26.64	36.419					23.927	26.624	402.2	.3001	1541.3	1.027	7.46	8.0
88	88	25.78	36.528					24.281	25.760	369.4	.3775	1539.8	1.642	8.27	7.3
107	107	24.57	36.582					24.654	24.547	330.8	.4442	1537.3	2.304	7.60	7.9
127	127	23.49	36.640					25.061	23.463	296.7	.5072	1535.1	3.055	8.55	7.0
136	136	22.87	36.677					25.270	22.842	277.2	.5331	1533.8	3.404	8.51	7.1
146*	146	22.23	36.738					25.500	22.201	255.7	.5599	1532.4	3.790	5.58	10.7
156	156	21.89	36.741					25.599	21.859	246.6	.5851	1531.7	4.180	5.86	10.2
166*	166	21.48	36.733					25.707	21.447	236.7	.6093	1530.8	4.580	5.36	11.2
176	176	21.13	36.743					25.798	21.146	228.4	.6327	1530.2	4.989	5.07	11.8
185*	185	20.89	36.734					25.871	20.854	221.8	.6531	1529.6	5.365	4.49	13.4
195	195	20.61	36.717					25.935	20.573	216.1	.6751	1529.0	5.793	5.25	11.4
244*	244	18.65	36.598					26.360	18.606	177.2	.7719	1524.3	7.948	3.56	16.9
292*	293	17.47	36.459					26.549	17.420	160.6	.8534	1521.5	10.179	3.04	19.7
299			36.427												
336*	337	16.31	36.258					26.673	16.255	149.9	.9221	1518.5	12.387	2.80	21.4
385	386	15.12	35.898					26.787	15.060	140.0	.9936	1515.4	15.025	2.30	26.1
434*	436	14.23	35.898					26.863	14.165	133.8	1.0611	1513.1	17.859	2.59	23.1
483*	485	13.13	35.797					26.989	13.111	125.3	1.1250	1510.3	20.862	2.12	28.3
532	534	12.37	35.607					27.021	12.298	120.1	1.1856	1508.2	24.015	2.86	21.0
581*	584	10.99	35.415					27.132	10.917	109.3	1.2422	1504.0	27.1245	2.56	23.9
630			35.236												
680*	683	8.43	35.080					27.302	8.356	92.0	1.3427	1495.8	33.710	2.08	28.8
729	733	7.79	35.029					27.359	7.714	85.6	1.3868	1494.1	36.903	1.94	30.9
778*	782	7.24	34.990					27.409	7.162	81.9	1.4285	1492.6	40.126	2.34	25.6
873	883	6.00	34.969					27.559	5.920	67.0	1.5036	1489.5	46.484	1.63	36.8
977*	983	5.51	34.983					27.632	5.424	60.5	1.5673	1485.2	52.545	1.00	40.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD	
31	A2	78	2006	12 XI 73	5.7	17 39.6 N	75 13 W	1472							
DEPTH	PRESS	TEMP	SAL	OX	P84	RHBS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	28.61	35.307					22.646	28.610	540.5	1000	1543.3	0.00	2.93	20.5
38	68	28.60	35.246					22.628	28.684	526.3	1357.6	1544.6	1.246	6.30	9.5
68	108	28.75	35.539	0				22.681	28.729	503.2	1460.7	1545.7	2.066	13.92	4.3
108	127	28.98	35.940					24.113	25.956	386.4	1549.8	1548.4	2.947	8.64	6.9
127	137	24.96	36.565					24.932	24.932	344.2	1619.4	1538.6	3.780	7.64	7.8
137	147	24.49	36.624					24.752	24.460	326.7	1653.1	1537.7	4.234	6.68	9.0
147	157	24.07	36.644					24.894	24.039	313.6	1685.2	1536.9	4.701	5.28	6.5
157	166	23.22	36.673					25.167	23.187	288.0	1715.4	1535.0	5.170	4.25	7.3
166	176	22.63	36.704					25.361	22.196	269.8	1754.0	1533.9	5.586	3.73	8.1
176	186	22.21	36.735					25.505	22.174	258.5	1767.0	1532.9	6.048	3.38	8.9
186	196	21.65	36.754					25.677	21.613	240.4	1792.0	1531.6	6.510	3.24	11.2
196	205	21.24	36.792					25.820	21.202	227.2	1815.4	1530.8	6.969	3.15	15.2
205	215	19.08	36.814					26.262	19.035	186.6	1917.3	1525.5	9.246	3.95	18.1
215	224	17.43	36.832					26.500	17.430	165.3	1004.0	1521.5	11.627	3.52	18.1
224	230	16.12	36.872					26.651	16.065	151.9	1075.8	1517.9	13.950	3.62	22.9
230	238	15.40	36.953					26.758	15.039	143.3	1150.1	1516.4	16.718	2.65	22.6
238	248	14.20	35.878					26.854	14.135	134.7	1217.2	1513.1	19.558	2.55	20.4
248	258	13.65	35.825					26.978	12.189	123.1	1282.1	1508.4	22.627	2.61	23.0
258	266	11.41	35.432					27.067	11.341	117.5	1338.3	1504.7	25.671	2.38	25.2
266	275	10.48	35.314					27.149	10.409	107.8	1393.2	1502.1	28.712	2.31	26.0
275	284	9.15	35.108					27.209	9.029	100.8	1444.6	1497.8	31.917	2.00	30.0
284	294	8.50	35.043					27.262	8.426	95.9	1493.2	1496.0	35.190	2.43	24.7
294	304	7.28	34.503					27.337	7.207	88.1	1538.7	1492.0	38.481	1.98	30.2
304	313	6.79	34.883					27.387	6.4715	83.9	1581.0	1490.9	41.760	1.98	25.8
313	321	5.86	34.865					27.495	5.781	72.9	1657.2	1488.7	48.221	2.02	22.8
321	328	5.26	34.918					27.411	5.176	61.8	1725.1	1488.1	54.659	1.0	1.0

COUNTRY SHIP STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 A2 2007 12 XI 73 18.7 15 59.0 N 75 5.0 W 3030

DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
1	1	28.44	35.609				22.729	28.440	513.4	.0000	1543.2	.000	3.85	15.6
39	69	28.50	35.794				23.049	28.483	485.2	1.3402	1545.0	1.186	6.28	9.6
59	89	28.17	36.055				23.304	28.149	463.2	1.4352	1544.8	1.1952	10.81	5.5
108	108	26.31	36.242				24.007	26.185	396.6	1.5171	1541.2	2.771	18.67	6.9
128	128	25.19	36.552				24.484	25.162	351.9	1.5921	1539.1	3.672	8.18	7.3
138	138	24.67	36.623				24.697	24.640	332.0	1.6264	1538.1	4.139	9.51	6.3
148	148	24.07	36.764				25.185	24.038	305.1	1.6584	1537.0	4.606	8.66	6.9
158	158	23.36	36.804				25.422	23.327	282.7	1.6879	1535.5	5.068	8.34	7.2
167	167	22.88	36.864				25.422	22.816	264.2	1.7126	1534.5	5.478	7.28	8.2
177	177	22.31	36.884				25.690	22.374	248.5	1.7383	1533.3	5.931	5.72	10.8
187	187	21.79	36.826				25.693	21.753	239.0	1.7628	1532.1	6.387	6.54	10.2
197	197	21.27	36.813				25.828	21.231	226.5	1.7862	1530.9	6.847	5.60	16.0
246	246	18.67	36.540				26.311	18.626	181.9	1.8867	1524.3	9.101	3.74	16.0
296	296	17.14	36.326				26.527	17.090	162.6	1.9733	1520.4	11.495	3.19	18.8
306	306	15.75	36.299				26.681	15.635	149.1	1.0517	1516.7	14.067	3.46	17.4
332	332	13.80	35.766				26.843	13.743	134.0	1.1172	1510.9	16.538	2.56	23.4
441	441	12.56	35.348				27.508	12.508	125.8	1.1813	1507.3	19.270	2.22	22.0
491	491	10.96	35.289				27.038	10.936	115.4	1.2421	1502.2	22.172	2.28	26.4
540	540	9.00	35.161				27.108	9.936	109.4	1.2976	1499.4	25.109	1.78	33.7
590	590	8.21	35.043				27.148	9.143	105.7	1.3518	1497.2	28.251	2.20	27.3
639	639	8.46	34.973				27.213	8.331	99.6	1.4025	1495.1	31.447	1.99	30.2
688	688	7.68	34.886				27.262	7.610	94.7	1.4505	1492.8	34.715	2.04	29.4
738	738	7.13	34.858				27.320	7.057	89.3	1.4969	1491.5	38.111	2.08	28.9
787	787	6.56	34.831				27.377	6.486	83.8	1.5397	1490.0	41.460	2.12	28.3
836	836	5.78	34.863				27.403	5.701	71.8	1.5817	1488.6	44.813	1.99	28.3
885	885	5.22	34.916				27.466	5.135	61.4	1.6640	1488.0	48.113	1.54	30.2
934	934	4.88	34.948				27.530	4.570	56.3	1.7363	1488.1	51.413	1.19	35.1
1073	1073	4.88	34.940				27.573	4.020	56.3	1.7363	1488.1	60.022	1.03	44.6
1171	1171	4.59	34.959				27.722	4.493	52.1	1.7900	1488.6	66.211	1.03	58.3
1269	1269	4.44	34.973				27.750	4.035	50.1	1.8406	1489.6	72.570	1.03	64.8
1366	1366	4.31	34.982				27.772	4.038	48.7	1.8892	1490.7	79.149	1.67	90.0
1464	1464	4.21	34.980				27.782	4.050	48.5	1.9374	1492.0	86.176	1.68	102.8
1562	1562	4.15	34.981				27.790	4.021	48.6	1.9855	1493.4	93.683	1.55	108.5
1660	1660	4.15	34.986				27.798	3.982	48.7	2.0338	1494.9	101.697	1.43	139.4
1758	1758	4.08	34.986				27.802	3.943	49.2	2.0824	1496.4	110.261	1.39	153.2
1854	1854	4.07	34.985				27.809	3.875	50.7	2.1813	1499.5	119.203	1.14	187.3
2138	2138	4.07	34.988				27.811	3.879	52.7	2.3089	1503.8	129.578	1.21	227.3
2423	2423	4.07	34.987				27.813	3.854	54.9	2.4429	1508.0	138.799	1.23	256.8
2719	2719	4.10	34.982				27.816	3.857	57.9	2.5841	1512.3	146.199	1.13	311.4
2935	2935	4.12	34.982				27.809	3.849	60.3	2.7322	1516.6	169.283	1.00	351.0

COUNTRY SHIP STATION DATE GMT LATITUDE DEPTH
31 A2 2008 13 XI 73 19.0 15 59.0 N 4272

DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
1	1	28.03	35.606				22.862	28.030	500.7	.0000	1542.3	.000	.82	73.5
39	39	27.98	35.591				22.870	27.971	501.8	.1906	1542.8	.391	7.94	7.6
69	69	27.42	36.146				23.472	27.404	445.8	.3330	1542.7	1.164	8.36	7.2
89	89	26.37	36.289				23.917	26.350	404.3	.4181	1549.9	1.848	9.19	6.5
108	108	26.46	36.388				24.427	25.436	356.4	.4906	1539.9	2.574	9.42	6.4
128	128	23.24	36.723				24.991	23.913	303.5	.5568	1536.3	3.368	9.17	6.5
138	138	23.22	36.795				25.258	23.191	278.5	.5860	1534.8	3.765	7.72	7.8
148	148	22.77	36.872				25.447	22.740	260.8	.6130	1534.0	4.161	5.20	11.5
158	158	22.33	36.818				25.533	22.298	253.1	.6388	1533.0	4.563	6.51	19.2
167	167	22.00	36.854				25.654	21.966	241.9	.6612	1532.9	4.937	6.95	8.6
177	177	21.45	36.852				25.807	21.415	227.7	.6848	1531.1	5.353	5.54	10.8
187	187	21.10	36.852				25.904	21.064	218.8	.7072	1530.9	5.771	6.79	18.8
197	197	20.41	36.796				26.049	20.372	205.3	.7285	1528.6	6.189	4.68	12.8
246	246	18.60	36.614				26.385	18.556	174.8	.8221	1524.2	8.296	4.55	13.2
296	297	15.84	36.157				26.702	15.793	145.4	.9026	1516.3	10.514	2.17	27.6
341	342	14.85	35.947				26.868	14.798	140.5	.9874	1513.7	12.626	3.29	18.2
374	375	13.50	35.709				26.868	13.446	130.8	1.0124	1509.5	14.276	2.36	12.5
439	439	12.02	35.457				26.969	11.962	121.9	1.0938	1505.9	17.658	2.68	22.4
487	489	10.73	35.276				27.069	10.670	112.6	1.1516	1501.3	20.398	2.16	27.7
536	538	9.74	35.134				27.181	9.677	106.8	1.2058	1498.4	23.239	2.08	28.9
585	587	8.92	35.034				27.188	8.855	101.5	1.2572	1496.0	26.196	1.88	31.9
634	637	8.15	34.937				27.232	8.083	97.3	1.3063	1493.8	29.267	1.94	30.9
683	686	7.66	34.909				27.283	7.590	92.6	1.3532	1492.7	32.437	2.13	28.2
732	736	6.92	34.849				27.341	6.849	86.8	1.3975	1490.6	35.657	2.56	30.6
781	785	6.50	34.843				27.394	6.426	81.9	1.4392	1489.7	38.897	2.10	28.5
879	884	5.77	34.880				27.518	5.691	70.3	1.5145	1488.5	45.294	1.86	32.2
977	983	5.23	34.918				27.614	5.146	61.5	1.5797	1487.9	51.495	1.00	1.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	A2	78	2009	14-XI-73	17.0	16 2.0 N	71 40.0 W	3806						
DEPTH	PRESS	TEMP	SAL	EX	POS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	27.98	34.700				22.197	27.980	564.2	.000	1541.3	.000	.71	8.44
31	31	27.97	34.699				22.202	27.963	565.2	.1695	1541.7	.277	5.12	11.17
56	56	27.98	34.979				22.411	27.967	546.4	.3085	1542.5	.893	1.30	15.13
72	72	27.82	35.773				23.061	27.803	485.1	.3911	1543.2	1.429	3.34	17.19
89	89	27.71	35.804				23.122	27.689	480.2	.4732	1543.3	1.855	11.61	15.12
106	106	26.43	36.226				24.065	26.406	411.3	.5491	1541.2	2.857	19.17	6.05
114	114	26.07	36.359				24.065	26.044	391.2	.5813	1540.4	3.219	7.43	8.11
123	123	25.81	36.460				24.223	25.782	376.6	.6160	1539.8	3.639	7.36	8.23
132	132	25.48	36.529				24.378	25.451	362.2	.6493	1539.2	4.073	7.62	7.4
141	141	25.13	36.606				24.544	25.099	346.8	.6813	1538.4	4.520	8.11	7.4
159	159	24.67	36.669				24.733	24.637	329.2	.7118	1538.4	4.974	9.36	6.4
159	159	24.21	36.817				24.984	24.176	305.7	.7405	1537.6	5.427	8.16	7.3
168	168	23.80	36.907				25.174	23.764	287.9	.7673	1536.9	5.875	6.12	9.18
218	218	18.05	36.749				26.375	18.003	176.5	1.0052	1522.8	10.914	6.39	9.4
276	276	17.62	36.380				26.451	17.573	169.3	1.0157	1521.6	11.206	3.74	16.0
315	315	16.24	36.167				26.618	16.189	154.5	1.0291	1517.8	13.125	3.14	19.1
352	352	15.22	36.009				26.728	15.165	144.5	1.0347	1515.1	15.015	2.91	20.6
389	389	14.31	35.869				26.822	14.252	136.2	1.0369	1512.6	17.002	2.46	24.4
426	426	13.32	35.681				26.885	13.259	130.6	1.0366	1509.8	19.078	3.37	17.8
462	462	11.75	35.434				27.001	11.689	119.3	1.0319	1504.7	21.137	2.48	24.6
499	499	11.05	35.347				27.096	10.987	113.4	1.0253	1502.8	23.273	1.86	32.9
536	536	10.12	35.173				27.096	10.056	110.5	1.0367	1499.8	25.489	1.24	36.8
582	582	8.52	35.061				27.159	9.164	104.6	1.0418	1497.2	28.344	1.76	34.2
613	613	8.05	34.851				27.180	8.494	102.3	1.0449	1495.0	30.328	1.71	33.0
70	70	7.31	34.802				27.250	7.239	95.7	1.0549	1491.6	36.817	1.79	33.7
811	811	6.82	34.776				27.339	6.443	87.6	1.0632	1490.2	44.157	1.00	10

COUNTRY SHIP STATION CRUISE DATE GMT LATITUDE LONGITUDE DEPTH
31 A2 2010 78 15 XI 73 11.3 15 36.0 N 69 59.0 W 3768

DEPTH	PRESS	TEMP	SAL	8X	P04	RPOS	SIL	SIGMA*	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1		27.77	34.723					22.283	27.770	556.0	.000	1540.8	.000	6.16	9.7
39	39	27.89	35.382					22.742	27.881	514.0	.2034	1542.4	.001	7.84	7.7
69	69	27.52	35.995					23.329	27.504	459.4	.3475	1542.8	1.195	8.38	7.2
89	89	26.86	36.309					23.839	26.839	417.7	.4375	1542.0	1.901	7.83	7.7
108	108	26.02	36.447					24.147	25.996	383.2	.5137	1540.6	2.667	8.69	6.9
128	128	25.03	36.676					24.627	25.002	338.3	.5861	1538.9	3.536	8.72	8.9
138	138	24.58	36.684					24.770	24.550	325.0	.6193	1538.0	3.989	8.37	8.9
148	148	24.16	36.811					24.993	24.128	304.2	.6509	1537.3	4.450	8.65	6.9
158	158	23.39	36.823					25.231	23.357	282.0	.6803	1535.6	4.910	6.31	9.5
167	167	23.02	36.830					25.344	22.385	271.5	.7053	1534.9	5.326	6.29	9.5
177	177	22.70	36.873					25.470	22.664	260.0	.7320	1534.3	5.796	6.67	9.0
187	187	22.27	36.896					25.611	22.232	247.0	.7575	1533.4	6.270	7.42	8.1
197	197	21.84	36.946					25.786	21.801	230.7	.7815	1532.5	6.742	5.68	10.8
206	206	19.01	36.614					26.281	19.965	184.9	.8838	1525.3	9.035	9.93	15.3
235	235	17.57	36.448					26.516	17.519	163.8	.9697	1521.8	11.405	2.89	20.8
326	326	16.18	36.341					26.649	16.134	152.9	1.0509	1518.2	14.067	5.55	16.9
336	336	14.41	35.905					26.829	14.351	135.9	1.1221	1513.1	16.762	5.59	20.1
445	445	13.09	35.658					26.915	13.027	128.2	1.1872	1509.3	19.561	9.00	20.0
493	493	11.22	35.349					27.037	11.057	116.2	1.2475	1503.3	22.453	2.42	27.8
541	541	10.04	35.177					27.113	9.1976	108.9	1.3019	1499.6	25.338	2.72	27.2
589	589	9.06	35.047					27.175	8.4984	102.9	1.3531	1496.6	28.306	1.89	21.8
637	640	8.39	34.869					27.221	8.4322	98.8	1.4019	1494.8	31.375	2.12	28.3
684	687	7.54	34.876					27.275	7.471	93.3	1.4474	1492.5	34.459	2.42	29.6
731	738	6.91	34.827					27.325	6.899	88.3	1.4904	1490.5	37.583	2.93	31.1
776	780	6.58	34.830					27.373	6.1507	84.0	1.5295	1489.9	40.607	1.87	32.1
870	875	5.91	34.835					27.465	5.891	75.5	1.6051	1488.8	46.985	2.09	28.8
960	966	5.46	34.910					27.580	5.476	64.9	1.6689	1488.6	52.965	.00	.0

COUNTRY 31 CRUISE 78 STATION 2011 DATE 16 XI 73 GMT 11.9 LATITUDE 15 55.4 N LONGITUDE 66 20.0 W DEPTH 4260

DEPTH	PRESS	TEMP	SAL	OX	PO4	PHOS	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD	
1	1	27.71	34.298					21.983	27.710	584.7	.0000	1540.3	.000	.73	81.9	
38	38	27.72	34.307					21.989	27.711	585.9	.2168	1540.3	.432	12.85	4.7	
68	68	27.49	36.264					23.867	27.384	436.6	.3701	1542.8	1.830	8.72	6.9	
87	87	26.37	36.435					24.026	26.350	393.7	.4491	1543.0	1.830	8.73	6.9	
107	107	25.27	36.622					24.511	25.246	348.3	.5235	1539.0	2.588	9.16	6.5	
126	126	24.07	36.811					25.019	24.043	300.8	.5854	1536.7	3.319	9.08	6.6	
135	135	23.54	36.915					25.255	23.512	278.7	.6116	1535.7	3.668	8.82	6.8	
145*	145*	22.86	36.979					25.502	22.830	255.5	.6384	1534.3	4.052	7.64	7.8	
155	155	22.22	36.981					25.688	22.189	238.2	.6632	1532.8	4.432	7.17	8.4	
164*	164*	21.61	36.947					25.834	21.577	224.6	.6841	1531.4	4.773	6.53	9.2	
174*	174*	21.15														
183*	183*	20.55	36.900					26.090	20.515	200.9	.7247	1528.8	5.443	6.44	9.3	
193	193	19.83	36.818					26.220	19.794	188.7	.7443	1527.0	5.869	4.22	14.2	
200*	200*	17.98	36.537					26.481	17.938	165.2	.8279	1522.2	7.711	3.07	19.6	
286*	286*	16.88	36.360					26.615	16.832	153.8	.9017	1518.5	9.645	2.38	25.2	
336	336	15.91	36.171					26.698	15.856	147.2	.9759	1517.1	12.054	2.04	31.4	
384	384	14.44	35.931					26.835	14.412	134.9	1.0440	1513.1	14.855	2.77	31.6	
433	433	12.84	35.549					26.940	12.481	125.0	1.1081	1507.1	17.230	2.50	24.0	
480*	480*	11.29	35.348					27.023	11.229	117.3	1.1668	1503.3	19.860	2.46	24.4	
529	531	10.09	35.177					27.105	10.027	109.5	1.2226	1499.6	22.860	2.26	26.6	
578*	580	9.02	35.033					27.171	8.955	103.1	1.2750	1496.3	25.889	2.19	27.4	
627	630	8.05	34.918					27.232	7.984	97.0	1.3244	1493.3	28.892	2.06	26.8	
676*	679	7.18	34.847					27.295	7.113	90.9	1.3707	1490.6	31.885	1.92	31.2	
725	729	6.63	34.806					27.347	6.581	85.7	1.4142	1487.2	34.877	1.80	30.8	
774*	778	6.17	34.795					27.399	6.099	80.7	1.4553	1484.2	38.877	1.68	31.7	
872	877	5.71	34.851					27.502	5.633	71.6	1.5306	1481.1	44.881	1.59	30.2	
970*	976	5.26	34.925					27.616	5.176	61.3	1.5983	1480.0	50.825	1.00	1.0	

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN MT	SND VEL	POT EN	V FREQ	PERIOD
31	A2	78	2012	17 XI 73	1.3	16 N	66 41.0 W	4510						
DEPTH	PRESS	TEMP	SAL	DX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN MT	SND VEL	POT EN	V FREQ	PERIOD
1	1	27.75	34.304				21.975	27.750	585.5	.000	1540.3	.000	.76	78.8
40	40	27.73	34.301				21.982	27.721	586.7	.228	1540.9	.489	1.74	5.1
70	70	27.79	34.075				23.298	27.773	462.4	.386	1543.5	1.337	1.89	6.1
90	90	26.38	34.286				23.920	26.330	403.9	.429	1540.9	2.041	8.19	7.3
110	110	25.47	34.486				24.347	25.446	364.1	.549	1539.4	2.824	10.14	5.9
129	129	24.22	34.804				24.969	24.192	305.7	.613	1537.1	3.599	8.43	7.1
139	139	23.61	34.882				25.195	23.681	284.6	.643	1535.9	4.005	8.47	7.1
149	149	23.04	34.942				25.422	23.009	263.3	.678	1534.7	4.410	6.84	8.8
159	159	22.65	34.989				25.571	22.617	249.6	.696	1534.0	4.815	7.43	8.1
169	169	22.00	34.975				25.746	22.016	233.3	.728	1532.5	5.222	5.73	10.5
179	179	21.42	34.897				25.849	21.385	223.7	.743	1531.1	5.631	7.30	8.2
189	189	20.50	34.786				26.017	20.464	208.0	.765	1528.7	6.039	6.98	8.6
199	199	19.74	34.721				26.170	19.703	193.7	.785	1526.7	6.440	4.70	12.8
209	209	17.48	34.420				26.515	17.437	162.2	.875	1520.8	8.472	3.20	18.7
299	300	16.02	34.171				26.672	15.972	148.5	.952	1516.9	10.658	2.94	20.9
328	329	15.05	35.983				26.747	14.979	141.8	.995	1511.1	12.018	2.92	20.9
375	376	13.45	35.690				26.864	13.396	131.2	1.060	1509.4	14.339	2.64	22.7
423	424	11.77	35.380				26.957	11.715	122.4	1.121	1504.1	16.843	2.47	22.3
470	472	10.58	35.194				27.096	10.493	115.0	1.175	1500.3	19.413	2.15	27.9
518	520	9.61	34.963				27.097	9.550	109.4	1.231	1497.5	22.161	2.07	29.0
566	568	8.70	34.843				27.151	8.638	104.3	1.283	1494.8	25.034	1.97	30.5
614	617	7.93	34.854				27.159	7.866	99.6	1.332	1492.5	28.020	1.98	30.4
662	665	7.45	34.831				27.252	7.384	94.8	1.379	1491.4	31.100	2.03	29.5
710	713	7.01	34.833				27.338	6.941	89.7	1.424	1488.5	34.245	2.09	30.1
758	762	6.03	34.784				27.326	6.240	84.7	1.466	1487.2	37.427	1.97	30.1
854	859	5.17	34.814				27.465	5.694	74.9	1.543	1488.0	43.809	2.20	27.2
950	956	5.30	34.917				27.605	5.218	62.1	1.610	1487.8	49.937	1.00	1.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 A2 78 2013 17.1 16 2.0 N 65 7.0 W 4240

DEPTH	PRESS	TEMP	SAL	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	27.82	34.935			21.975	27.820	585.5	10000	1540.5	8.436	1.02	53.7
39	39	27.79	34.935			21.988	27.781	586.1	10226	1541.1	10.562	1.21	51.4
69	69	27.85	35.956			23.177	27.834	472.8	13816	1543.5	11.907	1.21	61.2
89	89	26.85	36.306			23.177	26.829	477.6	14707	1545.0	12.022	9.47	61.2
109	109	25.48	36.450			24.347	25.456	364.1	15491	1533.4	12.810	8.86	61.8
128	128	24.78	36.834			24.823	24.752	319.6	16143	1538.5	13.596	9.31	61.4
138	138	24.11	36.931			25.058	24.080	253.8	16450	1537.2	14.014	7.58	81.1
148	148	23.51	36.928			25.275	23.479	277.4	16737	1535.9	14.433	9.58	61.3
158	158	22.72	37.009			25.566	22.688	250.0	17002	1534.2	14.847	9.05	61.6
168	168	21.81	37.810			25.826	21.776	225.6	17240	1532.0	15.245	5.77	131.4
178	178	21.33	36.972			25.931	21.295	215.9	17462	1530.9	15.638	6.40	131.4
188	188	20.71	36.918			26.061	20.674	203.9	17673	1529.4	16.032	4.60	121.5
197	197	17.82	34.401			26.485	17.777	165.1	18767	1521.8	16.436	3.65	161.2
207	207	15.80	36.128			26.689	15.753	146.6	19535	1516.1	16.832	3.25	181.2
256	256	13.52	35.751			26.883	13.870	132.5	10209	1510.5	17.766	3.06	191.6
304	304	11.89	35.433			27.042	11.838	120.1	11083	1504.1	18.113	2.35	271.3
402	402	10.80	35.235			27.078	10.745	111.2	11409	1500.8	17.583	2.35	261.3
451	451	10.15	35.157			27.078	10.091	111.2	11965	1499.2	20.242	1.89	311.8
549	549	9.48	35.072			27.126	9.418	107.1	12503	1497.4	23.090	1.89	311.7
589	589	8.71	34.971			27.172	8.646	102.8	13021	1495.2	26.091	1.89	301.7
638	638	7.95	34.886			27.222	7.884	98.0	13517	1493.0	29.213	2.18	271.5
687	687	7.10	34.807			27.283	7.033	91.8	13986	1490.5	32.401	1.46	411.0
736	736	6.58	34.747			27.307	6.511	89.5	14434	1489.1	35.675	1.46	411.0
785	785	6.34	34.743			27.336	6.267	87.1	14870	1489.0	39.084	1.46	411.0
883	883	5.72	34.797			27.459	5.641	75.8	15678	1488.2	45.562	2.07	291.3
981	981	5.24	34.875			27.579	5.155	64.8	16371	1488.0	52.603	2.07	291.3
1077	1077	4.85	34.955			27.689	4.759	54.8	16951	1488.1	58.721	1.21	391.5
1176	1176	4.56	34.961			27.727	4.463	51.6	17484	1488.6	64.889	1.21	391.5
1275	1275	4.35	34.971			27.758	4.246	49.2	17989	1489.4	71.248	1.21	391.5
1374	1374	4.18	34.990			27.792	4.068	46.5	18468	1490.3	77.177	1.21	391.5
1473	1473	4.20	34.983			27.786	4.079	48.2	18942	1492.1	83.174	1.21	391.5
1571	1571	4.15	34.983			27.792	4.020	48.5	19422	1493.5	89.268	1.21	391.5
1671	1671	4.13	34.984			27.796	3.991	49.1	19917	1495.1	95.368	1.21	391.5
1770	1770	4.11	34.990			27.804	3.962	49.3	20410	1496.7	101.526	1.21	391.5
1869	1869	4.08	34.988			27.810	3.912	49.6	20911	1498.3	107.880	1.21	391.5
1969	1969	4.07	34.988			27.807	3.913	50.8	21415	1499.2	114.688	1.21	391.5
2144	2144	4.07	34.997			27.817	3.885	51.6	21919	1500.9	121.688	1.21	391.5
2465	2465	4.09	34.990			27.813	3.871	55.2	22466	1502.4	128.973	1.21	391.5
2665	2665	4.11	34.990			27.813	3.871	57.3	23011	1503.9	136.521	1.21	391.5
2948	2948	4.15	34.991			27.815	3.871	59.8	23556	1505.4	144.279	1.21	391.5
3162	3162	4.19	34.990			27.815	3.852	62.2	24101	1506.9	152.036	1.21	391.5
3419	3419	4.21	34.988			27.813	3.861	65.7	24647	1508.4	160.017	1.21	391.5
3657	3657	4.21	34.959			27.822	3.851	66.7	25192	1509.9	168.087	1.21	391.5
3905	3905	4.24	34.990			27.823	3.846	69.2	25737	1511.4	176.357	1.21	391.5
4211	4211	4.28	34.993			27.817	3.856	72.5	26282	1512.9	184.836	1.21	391.5

COUNTRY SHIP STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 A2 2014 18 XI 73 1216 16 30.0 N 63 25.0 W 1477

DEPTH	PRESS	TEMP	SAL	OX	PHS	SIGMA T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1		27.43	35.062			22.648	27.430	521.1	.000	1540.4	.000	.49	123.6
39	3	27.43	35.062			22.651	27.421	522.7	.1985	1541.1	.407	10.42	15.8
68	68	27.42	36.389			23.654	27.404	428.3	.3365	1543.0	1.742	9.67	6.2
87	87	26.06	36.563			24.220	25.040	375.2	.4130	1540.5	1.742	8.38	7.2
107	107	25.25	36.824			24.668	25.226	333.4	.4841	1539.2	2.445	8.08	7.4
126	126	24.37	36.987			25.062	24.343	296.7	.5442	1537.6	3.158	4.37	13.7
136	136	24.27	37.027			25.123	24.241	291.4	.5737	1537.6	3.553	4.37	11.9
145	145	24.04	37.034			25.195	24.007	284.9	.5997	1537.2	3.928	6.81	8.8
155	155	23.54	37.056			25.343	23.507	271.3	.6276	1536.2	4.356	6.09	9.9
165	165	23.21	37.056			25.460	23.176	260.5	.6543	1535.6	4.794	8.44	7.1
174	174	22.54	37.068			25.664	22.504	241.5	.6770	1534.0	5.187	7.55	7.9
184	184	21.72	36.999			25.844	21.683	224.6	.7004	1532.0	5.616	5.60	10.9
194	194	18.37	36.888			26.393	18.327	173.8	.8165	1523.4	8.106	3.84	16.6
202	202	16.33	36.859			26.615	16.283	153.7	.8972	1517.7	10.299	3.18	18.9
291	291	14.57	35.894			26.782	14.518	138.8	.9781	1512.8	12.932	2.82	21.3
306	306	13.12	35.644			26.898	13.064	128.4	1.0453	1508.6	15.484	2.59	23.0
445	445	11.72	35.410			27.090	11.662	119.9	1.1066	1504.3	18.121	2.62	23.9
455	455	10.55	35.259			27.088	10.689	110.8	1.1646	1500.9	20.517	2.74	28.1
544	544	9.57	35.119			27.147	9.507	105.2	1.2179	1497.9	23.758	1.97	30.4
593	593	8.80	35.023			27.198	8.735	100.8	1.2687	1495.7	26.721	1.21	27.1
643	643	7.77	34.902			27.251	7.704	94.1	1.3178	1492.5	29.831	1.58	37.9
692	692	6.95	34.829			27.290	7.102	91.3	1.3636	1490.8	32.971	1.77	33.9
742	742	6.57	34.774			27.330	6.500	87.4	1.4087	1489.2	36.290	1.72	34.9
791	791	6.16	34.754			27.368	6.088	83.8	1.44510	1488.4	39.623	1.82	31.8
890	890	5.67	34.809			27.471	5.591	74.6	1.5301	1488.1	46.441	1.99	30.1
989	989	5.120	34.878			27.586	5.115	64.1	1.5995	1488.0	53.117	.00	.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 A2 78 2015 19 XI 73 .4 16 45.7 N 62 30.0 W 740

DEPTH	PRESS	TEMP	SAL	BX	PO4	PHOS	SIL	SIGMA-t	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	27.31	34.831					22.513	27.310	534.0	.0000	1539.9	.000	9.31	6.4
40	40	27.33	36.266					23.189	27.321	433.2	.1888	1542.2	.357	5.49	10.9
69	69	27.17	36.565					23.868	27.154	408.0	.3110	1542.6	1.033	9.17	16.5
89	89	26.35	36.926					24.403	26.330	357.9	.3878	1541.5	1.649	9.28	6.5
109	109	24.81	37.017					24.951	24.785	306.6	.4544	1538.4	2.319	7.26	8.3
129	129	23.74	37.033					25.285	23.713	275.6	.5129	1536.2	3.028	6.27	9.6
139	139	23.37	37.053					25.410	23.341	264.1	.5400	1535.5	3.399	3.98	15.1
149	149	23.13	37.036					25.460	23.099	259.8	.5662	1535.1	3.787	8.18	17.3
159	159	22.29	36.986					25.672	22.258	239.9	.5913	1533.1	4.183	3.06	19.5
169	169	21.93	36.890					25.701	21.896	237.5	.6153	1532.2	4.585	7.76	17.7
179	179	21.51	36.987					25.893	21.475	219.7	.6383	1531.4	4.994	5.90	10.2
189	189	20.94	36.924					26.003	20.903	209.5	.6598	1530.0	5.401	4.69	12.8
199	199	20.57	36.882					26.072	20.532	203.3	.6806	1529.1	5.813	4.92	12.2
248	248	18.24	36.574					26.443	18.196	169.3	.7723	1523.1	7.894	3.79	15.8
288	288	15.82	36.037					26.661	15.772	149.4	.8524	1516.2	10.125	2.50	21.5
387	388	13.51	35.710					26.867	13.454	131.3	.9784	1509.8	14.504	3.03	19.8
486	436	11.80	35.434					26.993	11.743	119.3	1.0387	1504.4	17.052	2.29	26.2
533	486	10.87	35.281					27.065	10.710	112.9	1.0959	1501.4	19.750	2.17	27.6
581	535	9.84	35.153					27.129	9.777	107.1	1.1502	1498.7	22.581	1.97	43.7
679	584	9.42	35.052					27.152	9.353	105.4	1.2016	1497.9	25.520	2.36	25.5
729	682	7.33	34.863					27.295	7.262	91.9	1.2986	1491.3	31.764	1.40	42.8
	733	7.00	34.836					27.320	6.929	88.9	1.3440	1490.8	35.044	1.00	41.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH

31 A2 78 2016 20° X1 '73 3°7 17 1°0 N 60 2°0 W 4864

DEPTH	PRESS	TEMP	SAL	OX	PO	PHOS	SIL	SIGMA*	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	26.94	34.822					22.824	26.940	523.4	.0000	1539.1	.000	.59	100.9
39	39	26.94	34.824					22.829	26.931	524.7	.1993	1539.7	.408	13.49	4.4
69	69	26.60	36.989					24.370	26.584	360.1	.3322	1541.8	1.105	19.37	6.4
89	89	24.58	36.896					24.928	24.564	307.8	.3922	1537.4	1.641	7.89	7.6
108	108	23.66	37.028					25.130	23.637	272.8	.4546	1535.7	2.198	8.05	7.4
128	128	22.54	37.141					25.176	22.514	234.4	.5055	1533.4	3.807	5.89	10.2
138	138	22.11	37.124					25.826	22.082	224.3	.5285	1531.0	3.121	6.15	9.8
148	148	21.51	37.059					25.946	21.481	213.3	.5505	1529.1	3.442	6.57	9.1
157	157	20.79	36.959					26.068	20.760	201.9	.5693	1527.6	3.735	6.85	10.3
167	167	20.20	36.891					26.176	20.168	191.9	.5890	1527.1	4.064	7.15	10.7
177	177	19.94	36.860					26.222	19.907	187.9	.6081	1527.1	4.400	7.48	12.8
187	187	19.44	36.777					26.291	19.406	181.7	.6267	1525.7	4.746	7.81	14.1
197	197	19.03	36.711					26.347	18.994	176.6	.6447	1524.7	5.100	8.18	15.5
206	206	17.18	36.405					26.576	17.138	156.2	.7267	1519.8	6.950	8.88	20.3
255	255	15.89	36.177					26.706	15.843	145.0	.8009	1516.4	9.002	9.22	28.3
302	302	14.13	35.858					26.850	14.079	131.9	.8664	1511.3	11.135	9.67	32.4
392	392	11.96	35.416					26.948	11.908	122.6	.9304	1504.3	13.541	10.57	33.3
441	441	10.48	35.181					27.038	10.426	114.1	.9888	1499.6	16.032	11.84	30.9
490	490	9.40	35.005					27.085	9.344	109.6	1.0440	1496.2	18.667	12.81	33.2
540	540	8.78	34.929					27.130	8.701	105.8	1.0982	1494.6	21.534	14.00	42.8
589	589	8.20	34.847					27.153	8.138	103.9	1.1500	1493.1	24.534	14.77	40.9
639	639	7.89	34.825					27.183	7.824	101.6	1.2017	1492.8	27.798	15.87	38.4
688	688	7.44	34.796					27.226	7.371	97.7	1.2509	1491.8	31.152	16.97	38.2
738	738	6.97	34.751					27.258	6.898	94.8	1.2995	1490.7	34.707	17.53	39.3
787	787	6.83	34.769					27.291	6.754	92.2	1.3457	1491.0	38.330	18.00	41.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH						
31	A2	78	2017	20 XI 73	16.7	17 2.8 N	58 47.6 W	5616						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
35*	35	27.07	35.195				22.863	27.070	500.5	.000	1539.8	.000	1.70	35.4
69	69	26.97	35.195				22.898	26.961	499.0	.000	1540.2	.000	9.80	6.1
89	89	27.23	36.739				23.817	27.714	412.9	.3271	1544.1	1.125	8.24	7.3
98	98	26.91	36.989				24.250	26.889	372.6	.4058	1542.8	1.758	8.57	7.5
108	108	26.01	36.858				24.459	25.988	353.0	.4385	1540.8	2.071	8.02	7.5
118	118	24.66	36.713				24.663	24.976	333.9	.4730	1538.5	2.433	8.00	7.5
128*	128	24.02	36.848				24.867	24.634	315.0	.5055	1538.0	2.810	9.27	6.5
138*	138	23.02	36.951				25.140	23.993	289.4	.5359	1536.8	3.191	9.55	6.3
148*	148	23.06	37.115				25.430	23.431	262.2	.5658	1535.8	3.567	6.48	9.3
157	157	22.83	37.128				25.563	23.098	249.9	.5892	1534.9	3.943	4.89	12.3
177*	177	21.60	37.137				25.632	22.798	243.8	.6116	1534.6	4.292	6.99	18.6
197*	197	20.52	37.051				25.941	21.565	215.1	.6576	1531.7	5.077	5.59	10.7
206*	206	18.38	36.951				26.138	20.482	197.0	.6890	1529.1	5.869	4.49	13.1
295*	296	16.01	36.621				26.446	18.336	169.0	.7892	1523.6	7.898	3.61	16.6
			36.125				26.638	15.963	151.5	.8681	1518.7	10.077	3.09	19.4
336	337	14.09	35.833				26.754	14.440	141.1	.9284	1512.3	12.023	2.97	20.2
385	386	13.78	35.809				26.888	13.724	129.5	.9552	1510.8	14.466	2.27	25.4
482*	484	11.79	35.477				27.030	11.727	117.2	1.1156	1505.2	19.817	2.65	22.7
530	532	10.03	35.185				27.118	9.987	108.3	1.1701	1499.5	22.644	1.95	30.8
579*	582	8.56	35.146				27.171	9.493	103.8	1.2225	1498.5	25.622	1.93	31.0
628	631	8.68	35.022				27.211	8.611	99.3	1.2726	1495.8	28.729	2.00	30.0
677	679		34.897											
725	729	6.94	34.816				27.313	6.870	89.4	1.3649	1490.5	35.122	.89	67.4
774*	778	6.48	34.741				27.316	6.407	89.1	1.4090	1489.4	38.520	2.11	28.4
873	878	5.77	34.786				27.444	5.692	77.2	1.4920	1488.2	45.520	1.41	42.7
971*	977	5.47	34.808				27.499	5.385	72.7	1.5662	1486.7	52.454	1.00	51.0

COUNTRY 31 CRUISE 78 STATION 2018 DATE 21 XI 73 GMT 8.7 LATITUDE 17 0 N LONGITUDE 56 49.5 W DEPTH 5818

DEPTH	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD			
	A2	78	2018	21 XI 73	8.7	17 0 N	56 49.5 W	5818									
									THETA	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1									26.600	23.452	26.600	44.3	.0900	1539.4	.000	3.18	18.8
40									26.911	23.452	26.911	43.4	.1716	1541.1	.356	6.49	19.2
69									27.284	23.452	27.284	39.4	.2925	1543.1	1.023	8.46	7.1
89									26.320	24.423	26.320	35.0	.3681	1541.5	1.631	9.18	6.5
99									25.488	24.651	25.488	33.0	.4026	1539.8	1.962	7.19	8.3
109									25.206	24.856	25.206	31.5	.4350	1539.5	2.307	7.65	7.8
119									24.734	25.042	24.734	29.8	.4658	1538.6	2.656	7.19	8.3
128									24.312	25.190	24.312	28.4	.4922	1537.8	2.999	6.56	9.1
138									23.881	25.327	23.881	27.2	.5201	1536.9	3.379	7.36	8.1
148									23.339	25.459	23.339	25.6	.5466	1535.8	3.767	6.23	9.6
158									22.937	25.582	22.937	24.4	.5717	1535.0	4.161	6.30	9.5
178									21.894	25.873	21.894	22.1	.6186	1529.6	4.965	6.15	9.8
198									20.742	26.112	20.742	19.9	.6609	1529.8	5.778	4.50	13.3
217									18.636	26.422	18.636	17.1	.7522	1524.5	7.844	3.75	16.0
236									16.571	26.832	16.571	15.2	.8320	1518.8	10.054	3.21	18.7
345									14.887	26.783	14.887	13.8	.9038	1514.1	12.407	2.83	21.2
394									13.543	26.859	13.543	12.8	.9698	1510.3	14.901	2.50	24.0
443									12.220	26.985	12.220	12.0	1.0313	1506.4	17.599	2.48	24.2
493									10.798	27.069	10.798	11.2	1.0901	1501.9	20.360	2.49	24.1
542									9.567	27.152	9.567	10.4	1.1438	1498.1	23.211	1.99	30.2
591									8.864	27.233	8.864	10.0	1.1944	1496.2	26.153	1.98	30.3
641									7.938	27.293	7.938	9.5	1.2436	1494.3	29.264	1.66	36.1
690									7.614	27.297	7.614	9.2	1.2899	1494.3	32.426	1.55	38.6
739									7.191	27.329	7.191	8.9	1.3347	1493.8	35.717	1.54	38.8
788									7.191	27.359	7.191	8.6	1.3782	1493.0	39.133	1.54	38.5
837									5.850	27.407	5.850	8.1	1.4621	1489.1	46.342	1.47	40.5
886									5.413	27.465	5.413	7.6	1.5407	1489.0	53.898	1.00	41.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 A2 78 2019 22° XI 73 4.3 17 2.0 N 55 3.0 W 5605

DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	Y FREQ	PERIOD
1	1	26.23	34.403				22.533	26.230	532.1	.0000	1537.0	.000	9.99	6.0
40	40	26.97	36.359				23.775	26.961	415.4	.1850	1541.5	.343	7.88	7.6
69	69	26.50	36.919				24.349	26.484	362.1	.2980	1541.5	.562	8.71	6.9
89	89	25.128	37.052				24.832	25.260	317.0	.3661	1535.2	1.508	5.53	10.8
99	99	24.97	37.054				24.924	24.948	308.2	.3974	1538.7	1.803	5.35	10.3
109	109	24.47	36.996				25.038	24.446	298.3	.4279	1537.6	2.133	9.98	16.0
119	119	24.67	37.098				25.354	23.645	268.5	.4563	1536.0	2.455	6.61	9.1
129	129	23.28	37.129				25.493	23.253	255.7	.4826	1535.2	2.799	7.51	7.6
139	139	22.53	37.104				25.692	22.502	237.2	.5074	1533.5	3.138	4.60	13.1
149	149	22.30	37.105				25.759	22.270	231.2	.5309	1533.1	3.485	6.38	19.1
159	159	21.83	37.099				25.888	21.798	219.4	.5535	1532.0	3.842	5.57	10.8
178	178	21.99	37.004				26.074	20.865	202.3	.5938	1527.8	4.595	4.90	12.2
198	198	19.89	36.844				26.224	19.853	188.6	.6330	1527.2	5.291	4.57	13.1
248	248	17.29	36.403				26.548	17.248	159.0	.7204	1520.2	7.269	3.23	18.6
298	298	15.73	36.126				26.703	15.683	145.3	.7953	1515.9	9.356	2.86	21.0
342	342	14.57	35.933				26.814	14.518	135.7	.8589	1512.8	11.436	2.67	22.3
391	391	13.48	35.769				26.919	13.424	126.5	.9236	1509.8	13.861	2.71	22.9
440	440	12.35	35.619				27.024	12.290	117.1	.9836	1506.6	16.418	2.62	22.9
488	488	11.20	35.449				27.118	11.198	108.4	1.0382	1503.2	19.011	2.19	27.4
537	537	10.16	35.291				27.182	10.096	102.6	1.0902	1500.1	21.748	2.13	28.7
586	586	8.75	35.054				27.234	8.686	96.9	1.1395	1495.4	24.586	1.89	31.7
635	638	7.65	34.896				27.274	7.585	92.6	1.1863	1491.9	27.590	1.64	36.6
684	737	6.35	34.774				27.336	6.283	86.3	1.2747	1488.2	33.721	1.6	51.7
733	785	6.13	34.729				27.352	6.059	85.1	1.3162	1488.1	36.951	1.58	38.1
781	834	5.62	34.732				27.419	5.543	79.2	1.3975	1487.7	43.871	1.62	37.0
977	983	5.38	34.792				27.497	5.295	72.7	1.4726	1488.4	51.030	1.43	42.2
1085	1092	5.28	34.861				27.555	5.185	67.6	1.5432	1489.9	59.137	1.45	40.4
1183	1191	5.12	34.918				27.630	5.017	62.4	1.6136	1490.9	66.639	1.40	43.0
1282	1291	4.99	34.960				27.686	4.819	57.8	1.6737	1491.9	74.264	1.37	43.8
1381	1391	4.68	34.988				27.737	4.662	53.4	1.7295	1492.6	81.895	1.08	55.5
1479	1491	4.48	34.996				27.766	4.355	51.1	1.7813	1493.4	89.529	1.08	55.7
1578	1591	4.28	35.004				27.795	4.148	48.8	1.8314	1494.2	97.413	1.89	72.4
1676	1690	4.11	34.998				27.809	3.971	47.8	1.8794	1495.1	105.456	.78	67.8
1775	1791	3.95	34.998				27.826	3.803	46.5	1.9267	1496.1	113.875	.78	76.6
1874	1891	3.78	34.989				27.837	3.629	45.7	1.9730	1497.1	122.384	.78	75.5
1972	1991	3.63	34.984				27.849	3.469	44.8	2.0180	1498.1	131.906	.78	76.5
2219	2241	3.27	34.973				27.877	3.090	42.5	2.1274	1500.6	156.133	.53	126.6
2755	2781	3.04	34.952				27.883	2.840	42.4	2.2336	1504.0	180.181	.43	126.8
2754	2785	2.86	34.931				27.889	2.634	42.7	2.3388	1507.1	214.369	.43	129.2
3449	3590	2.49	34.923				27.906	2.188	43.9	2.7051	1520.2	327.501	.44	130.9
3543	3556	2.31	34.910				27.910	1.957	43.5	2.8814	1526.4	395.849	.41	146.9
3535	400	2.18	34.878				27.912	1.794	44.1	3.0585	1532.8	471.1	.41	147.1
4732	4808	2.02	34.853				27.907	1.591	44.6	3.2390	1539.1	556.644	.37	151.8
5126	5215	1.99	34.839				27.904	1.453	45.3	3.4216	1545.8	650.526	.31	287.2
5526	5624	1.91	34.826				27.901	1.381	47.1	3.6112	1552.8	755.895	.30	310

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	A2	78	2021	24 XI 73	22.5	15 21.0 N	55 20.0 W	5460							
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD	
1	1	26.68	34.218				22.253	25.680	558.9	0.000	1537.8	0.000	11.04	5.4	
39	39	27.59	36.565				23.730	27.581	419.7	1.861	1543.1	0.329	6.57	9.1	
68	68	27.18	36.916				24.129	27.164	383.1	3.028	1543.0	0.960	8.16	7.4	
88	88	26.20	37.062				24.553	26.180	343.6	3.758	1541.9	1.598	12.35	4.9	
98	98	24.80	37.129				25.038	24.779	297.8	4.078	1538.4	1.843	8.57	7.0	
108	108	23.98	37.110				25.271	23.957	276.0	4.366	1536.6	2.146	5.64	10.6	
117	117	23.56	37.065				25.362	23.535	267.7	4.611	1535.6	2.439	5.27	11.4	
127	127	23.37	37.107				25.450	23.343	259.8	4.876	1535.4	2.739	4.71	12.7	
137	137	23.27	37.161				25.521	23.241	253.5	5.134	1535.4	3.108	5.54	10.8	
147	147	23.00	37.185				25.618	22.970	244.6	5.384	1534.9	3.471	7.39	8.1	
156	156	22.41	37.166				25.774	22.378	230.1	5.598	1533.5	3.807	6.39	9.4	
176	176	21.21	37.018				26.032	21.176	209.3	6.036	1530.7	4.547	5.46	11.0	
196	196	20.12	36.918				26.220	20.083	189.0	6.434	1527.9	5.303	4.34	13.8	
244	244	17.89	36.533				26.501	17.848	163.5	7.284	1522.0	7.206	3.55	16.9	
293	293	16.17	36.240				26.690	16.123	146.7	8.048	1517.3	9.300	3.25	18.5	
341	341	14.22	35.869				26.880	14.169	132.9	8.723	1511.5	11.438	2.82	21.9	
391	391	12.35	35.494				26.933	12.297	124.3	9.357	1505.7	13.861	2.51	23.9	
439	439	11.31	35.353				27.022	11.254	116.3	9.951	1502.7	16.981	2.31	26.0	
489	489	10.15	35.175				27.092	10.092	109.8	10.497	1499.1	18.975	2.37	28.3	
536	536	9.20	35.069				27.169	9.140	102.6	11.021	1496.3	21.723	1.93	30.3	
585	585	8.53	34.999				27.222	8.467	97.8	11.516	1494.5	24.568	1.85	32.5	
634	634	7.69	34.889				27.296	7.625	93.7	11.988	1492.0	27.527	1.70	35.2	
682	682	6.99	34.804				27.396	6.924	90.4	12.434	1489.9	30.537	1.77	37.9	
731	731	6.44	34.759				27.535	6.372	86.5	12.871	1488.5	33.709	1.34	41.3	
780	780	6.09	34.699				27.735	5.860	84.6	13.294	1487.3	36.992	1.52	44.5	
877	877	5.60	34.728				27.919	5.523	79.2	14.095	1487.5	43.607	1.57	48.2	
975	975	5.38	34.785				27.991	5.295	73.2	14.484	1486.3	50.974	1.00	51.0	

COUNTRY 31 SHIP A2 CRUISE 78 STATION 2022 DATE 25-XI-73 GMT 12.1 LATITUDE 14.0 N LONGITUDE 55.340 W DEPTH 525

DEPTH	PRESS	TEMP	SAL	OX	PH8	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD	
1	1	27.00	34.445				22.322	27.000	552.3	10000	1538.8	1000	9.11	6.6	
39			35.191				24.094	27.054	386.3	3148	1527.7	.921	8.60	7.0	
68	68	27.07	36.823				24.156	26.120	342.4	.3879	1541.2	1.500	8.40	7.6	
88	88	26.14	37.054				24.790	25.188	321.4	.4212	1540.0	1.816	7.97	8.4	
98	98	26.15	37.090				24.972	24.966	304.5	.4494	1538.9	2.112	7.16	9.0	
107	107	24.99	37.118				25.135	24.475	289.4	.4792	1538.0	2.453	6.68	8.3	
117	117	24.50	37.136				25.277	24.073	276.3	.5076	1537.2	2.808	7.19	8.1	
127	127	24.10	37.164				25.441	23.591	261.1	.5346	1536.3	3.172	7.41	10.7	
137	137	23.62	37.192				25.598	23.010	246.5	.5575	1535.0	3.504	5.61	8.8	
146	146	23.04	37.174				25.858	22.688	237.4	.5818	1534.3	3.880	6.79	8.8	
156	156	22.72	37.153				25.989	21.325	210.4	.6268	1531.1	4.642	5.45	11.0	
176	176	21.36	37.059				26.167	20.383	194.1	.6654	1528.8	5.374	4.70	12.0	
198	198	20.42	36.954				26.503	17.668	163.2	.7534	1521.4	7.335	3.86	15.5	
244	244	17.71	36.478				26.725	15.484	142.9	.8288	1515.2	9.400	3.18	18.9	
293	293	15.53	36.096				26.873	13.780	129.6	.8959	1510.2	11.580	2.50	24.0	
342	342	13.83	35.805				26.962	12.608	121.8	.9579	1506.9	13.906	2.73	21.8	
391	391	12.66	35.610				27.073	11.413	111.8	1.0167	1503.4	16.410	2.33	25.8	
441	441	11.47	35.456				27.147	10.390	105.0	1.0702	1500.4	18.561	2.47	24.7	
490	490	10.45	35.313				27.225	9.149	97.4	1.1201	1496.5	21.595	2.15	27.9	
539	539	9.21	35.143				27.282	7.859	91.4	1.1676	1492.2	24.346	1.74	34.6	
589	589	7.92	34.958				27.317	7.068	87.8	1.2119	1487.8	27.133	1.53	40.0	
638	638	7.13	34.857				27.342	6.396	85.2	1.2555	1485.9	30.103	1.43	40.3	
688	688	6.46	34.772				27.370	6.013	82.7	1.2970	1487.2	33.141	1.44	41.7	
737	737	6.08	34.744				27.397	5.710	80.3	1.3381	1486.8	36.360	1.47	35.0	
787	787	5.78	34.730				27.484	5.373	72.9	1.4147	1487.2	42.927	1.51	39.9	
866	866	5.45	34.787				27.556	5.314	67.5	1.4855	1488.7	49.737	1.00	1.0	
966	966	5.00	34.869												

COUNTRY SHIP STATION DATE GMT LATITUDE DEPTH
 31 A2 2023 26 XI 73 8:5 11 58.0 N 56 5.0 W 4600

DEPTH	PRESS	CRUISE	STATION	DATE	GMT	LATITUDE	DEPTH	SIGMA	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	78	33.033	26 XI 73	8:5	11 58.0 N	21.133	27.400	666.2	1000	1538.2	1538.2	1000	12.37	4.9
38	66	25.47	34.806				24.301	25.455	366.4	3358	1538.6	1538.6	8.2	9.95	6.0
85	85	23.45	36.429				24.897	23.432	310.4	4003	1534.1	1534.1	1.319	10.60	5.0
95	95	22.05	36.565				25.254	22.601	276.7	4297	1532.4	1532.4	1.599	9.15	6.0
104	104	21.02	36.685				25.497	22.069	254.9	4537	1531.5	1531.5	1.894	9.91	6.0
114	114	20.54	36.740				25.809	21.098	224.7	4777	1529.0	1529.0	2.101	5.64	10.6
124	124	19.78	36.664				25.910	20.516	215.4	4998	1527.6	1527.6	2.370	6.68	8.0
133	133	18.61	36.574				26.043	19.755	202.9	5187	1525.6	1525.6	2.618	6.88	8.0
143	143	17.30	36.372				26.193	18.585	188.9	5384	1522.2	1522.2	2.896	7.43	8.0
153	153	15.46	36.174				26.366	17.274	172.6	5565	1518.4	1518.4	3.171	6.46	9.0
172	172	12.69	35.937				26.615	15.433	149.2	5872	1512.8	1512.8	3.681	4.14	14.5
192	192	10.97	35.833				26.721	14.591	139.5	6163	1510.3	1510.3	4.221	3.97	20.2
242	242	10.97	35.485				26.854	12.657	127.7	6534	1504.4	1504.4	5.705	3.14	19.1
291	291	9.88	35.247				26.998	10.934	114.4	6741	1498.9	1498.9	7.331	2.32	15.3
339	340	8.07	35.056				27.073	9.841	107.8	6967	1495.6	1495.6	9.061	1.78	33.7
389	390	7.86	34.979				27.117	9.027	104.1	7150	1493.3	1493.3	11.051	1.58	38.1
438	440	7.01	34.899				27.150	8.423	101.5	7307	1491.8	1491.8	13.202	1.60	37.4
488	490	6.63	34.824				27.184	7.810	98.6	7511	1490.2	1490.2	15.594	1.54	38.9
537	539	6.24	34.702				27.211	6.958	95.9	7791	1487.5	1487.5	18.119	1.56	35.3
587	590	6.24	34.678				27.244	6.575	93.1	8067	1486.8	1486.8	20.866	1.51	39.7
636	639	5.56	34.650				27.274	6.182	90.5	8320	1486.0	1486.0	23.713	1.60	37.4
685	739	5.04	34.638				27.344	5.497	84.2	8579	1484.9	1484.9	29.839	1.15	52.1
735	788	5.04	34.629				27.361	5.303	82.9	8820	1484.9	1484.9	33.062	1.38	43.4
784	887	4.94	34.621				27.415	5.036	78.5	9002	1485.5	1485.5	39.886	1.31	45.9
882	986	4.92	34.687				27.465	4.858	74.7	9360	1486.5	1486.5	47.133	1.24	48.5
1042	1049	4.92	34.732				27.497	4.892	72.6	9620	1487.8	1487.8	51.925	1.56	38.5
1137	1145	5.04	34.835				27.573	4.942	68.8	9889	1489.7	1489.7	59.410	1.63	36.9
1232	1241	5.04	34.947				27.657	4.983	60.4	10500	1491.7	1491.7	66.843	1.46	41.0
1328	1338	4.95	34.983				27.715	4.726	55.4	11062	1492.3	1492.3	74.243	1.34	41.9
1423	1434	4.92	34.997				27.759	4.430	51.4	11675	1492.7	1492.7	81.510	1.13	53.3
1518	1530	4.92	35.002				27.789	4.193	48.9	12058	1493.4	1493.4	88.613	1.08	68.0
1614	1627	4.92	34.992				27.804	3.977	47.7	12527	1494.1	1494.1	96.388	0.79	75.3
1709	1723	3.95	34.987				27.816	3.820	46.9	12982	1494.1	1494.1	104.181	0.86	69.4
1805	1821	3.95	34.983				27.831	3.643	45.7	13433	1495.9	1495.9	112.337	0.74	89.8
1900	1917	3.95	34.978				27.834	3.525	45.3	13871	1497.1	1497.1	120.712	0.74	80.8
2140	2160	3.97	34.969				27.863	3.197	43.6	14954	1499.8	1499.8	143.251	0.60	100.1
2380	2404	3.18	34.963				27.869	2.986	43.1	16100	1503.1	1503.1	167.884	0.49	122.1
2571	2700	2.92	34.943				27.877	2.913	43.1	21010	1507.6	1507.6	213.103	0.47	144.7
2916	3194	2.59	34.933				27.888	2.702	42.7	21280	1507.6	1507.6	231.014	0.55	109.6
3399	3642	2.47	34.914				27.905	2.928	41.9	24363	1513.9	1513.9	269.906	0.46	129.3
3642	3690	2.36	34.906				27.914	2.184	42.0	25409	1517.6	1517.6	295.199	0.46	127.1
3885	3939	2.29	34.896				27.913	2.050	42.0	26452	1521.4	1521.4	337.264	0.55	170.7
4128	4187	2.25	34.892				27.913	1.954	42.7	27504	1525.3	1525.3	378.687	0.55	172.7
4370	4435	2.17	34.884				27.917	1.880	43.4	28576	1529.4	1529.4	423.780	0.43	140.3
								1.780	43.6	29654	1533.3	1533.3	473.332	0.40	110

COUNTRY 31 SHIP A2 CRUISE 78 STATION 2024 DATE 27 XI 73 GMT 7.8 LATITUDE 11 55.0 N LONGITUDE 57 35.0 W DEPTH 3800

DEPTH	PRESS	TEMP	SAL	OX	PO4	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
3	3	27.65	34.515					22.519	27.420	560.3	0.002	1539.8	0.009	4.87	12.5
6	6	25.70	36.529					24.306	27.641	535.3	0.202	1541.5	0.011	13.67	4.4
8	8	24.03	36.615					24.680	25.685	366.1	0.343	1539.3	0.126	9.75	6.2
9	9	22.91	36.532					25.144	24.011	312.2	0.482	1535.8	0.640	9.16	6.6
10	10	22.02	36.738					25.543	22.890	287.2	0.483	1533.1	1.925	11.16	5.4
11	11	20.62	36.522					25.780	22.048	249.8	0.482	1531.4	2.298	8.66	6.9
12	12	19.65	36.410					25.945	20.597	227.5	0.485	1527.5	2.085	7.24	8.3
13	13	18.57	36.381					26.210	19.656	212.0	0.512	1525.0	2.763	9.13	6.6
14	14	18.10	36.389					26.334	18.545	187.1	0.513	1522.0	3.035	6.61	9.1
15	15	17.24	36.237					26.429	18.074	175.6	0.547	1520.8	3.274	5.51	10.9
17	17	16.16	36.114					26.591	17.214	166.8	0.569	1518.3	3.542	5.08	11.8
19	19	14.85	35.858					26.691	16.131	151.8	0.569	1515.3	4.088	4.05	14.8
24	24	12.11	35.328					26.901	14.820	142.6	0.625	1511.2	4.655	3.77	15.9
25	25	10.69	35.180					26.997	12.077	123.0	0.691	1502.4	6.129	2.57	23.3
32	32	10.11	35.101					27.038	10.654	114.5	0.750	1497.9	7.747	1.74	34.5
39	39	8.28	34.991					27.092	10.070	111.3	0.838	1496.5	9.491	1.98	30.3
40	40	8.25	34.923					27.125	9.236	106.7	0.856	1494.1	11.510	1.56	38.5
49	49	8.26	34.877					27.166	8.702	104.1	0.906	1492.9	13.727	1.70	35.3
54	54	7.81	34.838					27.203	8.208	100.8	0.961	1491.8	16.188	1.64	36.5
59	59	7.14	34.754					27.234	7.755	97.7	1.011	1490.8	18.830	1.59	37.8
60	60	6.95	34.750					27.258	7.083	94.8	1.059	1489.0	21.642	1.29	46.4
69	69		34.746					27.258	6.888	93.1	1.106	1489.0	24.633	1.64	36.6
74	74	6.11	34.698					27.330	6.043	86.6	1.197	1487.3	31.041	1.50	39.9
79	79	5.93	34.710					27.363	5.859	83.9	1.240	1487.4	34.420	1.44	41.6
89	89	5.33	34.683					27.416	5.254	79.0	1.321	1486.6	41.433	1.64	36.6
95	95	5.21	34.770					27.500	5.125	72.2	1.398	1487.9	48.790	1.00	.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 A2 78 2025 27. XI 73 23.3 11 55.0 N 58 50.0 W 2142

DEPTH	PRESS	TEMP	SAL	OX	PH08	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	27.50	34.498				22.201	27.500	563.8	0.000	1540.0	0.000	2.99	20.1
28	28	27.49	34.493				22.278	27.483	557.8	1.514	1540.5	0.223	15.64	3.8
50	50	27.20	36.746				23.993	27.188	395.1	2564	1542.6	0.222	12.15	4.9
66	66	24.81	36.745				24.745	24.796	324.1	3140	1537.4	0.959	10.11	5.9
74	74	24.57	36.997				25.006	24.554	299.6	3331	1537.3	1.138	19.94	6.0
82	82	23.85	37.044				25.258	23.833	276.0	3621	1535.7	1.322	9.37	6.4
90	90	22.87	36.959				25.481	22.851	255.0	3835	1533.4	1.509	8.84	6.8
98	98	21.64	36.759				25.679	21.621	236.4	4032	1530.1	1.699	6.77	8.9
107	107	20.65	36.572				25.809	20.630	224.3	4240	1527.5	1.917	9.82	6.1
115	115	19.59	36.522				26.054	19.569	201.2	4411	1524.7	2.111	7.62	7.9
124	124	19.58	36.737				26.227	19.557	185.8	4586	1525.1	2.325	4.57	13.1
132	132	18.12	36.400				26.337	18.095	175.1	4812	1520.8	2.769	5.51	10.9
160	160	16.78	36.117				26.509	16.754	159.2	5214	1517.0	3.235	4.06	14.8
207	207	14.63	35.871				26.749	14.599	137.4	5515	1510.7	4.541	3.03	19.8
286	286	12.20	35.393				26.880	12.166	125.3	5862	1502.8	6.070	2.40	25.0
341	341	10.10	35.079				27.022	10.080	112.8	6380	1496.4	9.165	1.99	30.1
390	390	9.22	34.959				27.077	9.176	108.0	6812	1493.8	11.205	1.89	31.8
439	439	8.50	34.874				27.126	8.153	103.8	8047	1491.8	13.426	1.45	41.3
487	487	7.98	34.806				27.152	7.930	101.7	9143	1490.6	15.787	1.64	36.6
538	538	7.31	34.724				27.186	7.257	98.6	9637	1488.7	18.382	1.78	33.7
585	585	6.74	34.676				27.228	6.685	94.7	10115	1487.2	21.128	1.49	40.3
633	633	6.51	34.675				27.258	6.451	92.3	10367	1487.1	23.958	1.99	35.7
682	682	5.93	34.646				27.311	5.869	87.2	10610	1485.5	26.950	1.68	39.1
731	731	5.61	34.644				27.349	5.547	83.7	10832	1485.0	30.014	1.53	39.2
780	780	5.67	34.701				27.388	5.602	80.9	11059	1486.2	33.172	1.67	32.2
827	827	5.29	34.769				27.488	5.215	72.0	11287	1486.3	39.527	1.64	36.5
975	975	5.23	34.865				27.572	5.146	65.3	113267	1487.8	45.984	1.00	1.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 A2 78 2026 28 XI 73 11.3 12 00 N 59 59.0 W 1320

DEPTH	PRESS	TEMP	SAL	OX	PH4	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	27.27	34.905				22.581	27.270	527.5	.0000	1539.9	.000	4.78	12.5
32	56	27.50	35.301				22.807	27.493	507.4	.1606	1541.4	.266	10.06	6.0
56	72	27.61	34.276				23.582	27.597	434.6	.2737	1543.2	.765	9.72	6.2
72		26.84	34.664				24.063	26.823	389.5	.3397	1542.1	1.194	8.16	7.4
80			36.640											
88		25.73	36.666				24.401	25.719	358.0	.3996	1539.8	1.683	11.56	5.2
96		25.02	36.826				24.976	24.957	325.9	.4271	1538.5	1.941	15.60	6.3
104		24.64	36.983				24.617	24.617	303.9	.4523	1537.9	2.199	10.34	5.8
112		23.94	37.064				25.248	23.916	278.3	.4757	1536.5	2.457	9.95	6.0
120		23.05	37.050				25.509	23.025	254.7	.4971	1534.4	2.711	9.67	6.2
128		22.12	37.011				25.739	22.034	232.3	.5168	1532.2	2.959	9.43	6.4
144		19.48	36.656				26.186	19.454	189.8	.5506	1525.0	3.428	6.64	9.0
160		17.90	36.419				26.407	17.872	169.1	.5794	1520.3	3.876	5.48	11.0
200		13.81	35.681				26.777	13.781	134.2	.6404	1507.7	4.986	2.67	22.4
240		11.72	35.247				26.858	11.689	126.7	.6928	1500.7	6.167	1.06	56.8
330*	330	9.94	34.954				26.939	9.940	112.4	.7411	1490.1	8.411	.73	82.6
378	378	9.51	34.923				27.001	9.467	115.2	.8369	1494.7	10.895	1.64	36.7
427*	428	9.44	34.960				27.043	9.391	112.3	.8930	1495.3	13.212	1.75	34.3
477	479	8.89	34.900				27.086	8.838	108.8	.9487	1494.0	15.752	1.59	37.8
527	529	8.40	34.845				27.120	8.344	106.0	1.0027	1492.9	18.579	2.36	25.4
577*	580	7.43	34.758				27.156	7.373	98.5	1.0542	1489.9	21.495	1.83	32.9
627	630	6.06	34.713				27.241	6.800	94.4	1.1028	1488.4	24.498	1.51	39.8
677			34.655											
729	733	5.80	34.607				27.297	5.736	88.9	1.1970	1485.7	31.051	1.35	44.5
780*	784	5.55	34.559				27.322	5.482	86.8	1.2422	1485.6	34.555	1.65	36.4
832	837	5.33	34.671				27.406	5.254	79.8	1.3280	1486.4	41.866	2.00	29.9
984*	990	5.18	34.810				27.535	5.026	68.8	1.4043	1487.7	49.182	1.00	1.0

KNORR CRUISE 37

Hydrographic Station Data

Stations: 374 - 464

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 6N 37 374 67 11 74 10 3 20 10 0 N 72 6 0 W

DEPTH	PRESS	TEMP	SAL	DX	PB4	PH6S	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1*	1	25.79	35.954					23.839	25.790	47.3	.000	1537.7	.000	7.85	7.6
25	25	25.08	36.286					24.310	25.075	363.5	.092	1536.9	.119	5.30	11.3
50*	50	24.73	36.439					24.534	24.719	343.4	.181	1536.6	.454	1.78	33.8
75	75	24.68	36.450					24.559	24.664	342.2	.267	1536.9	1.004	1.36	43.4
100*	100	24.70	36.476					24.574	24.678	341.9	.350	1537.4	1.773	3.28	18.3
125	125	24.53	36.519					24.660	24.503	334.9	.437	1537.5	2.751	7.00	8.6
150*	150	23.51	36.630					25.049	23.478	298.9	.517	1535.6	3.865	7.45	8.1
175	175	22.11	36.676					25.488	22.075	254.0	.587	1532.5	5.023	6.33	9.5
200*	200	21.61	36.910					25.808	21.570	228.7	.648	1531.9	6.193	.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
31	6N	37	375	6 11 74	21 0	20 9.7 N	73 11.3 W	1375						
DEPTH	PRESS	TEMP	SAL	EX	POS	SIL	SIGMA ^θ	THETA	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
1	1	26.05	35.989	4.85		2	23.784	26.050	412.6	0.000	1538.4	0.000	75	79.8
25			35.986	5.03		2								
50	50	26.04	35.992	4.84		2	23.793	26.1029	414.1	0.209	1539.2	0.531	5.04	17.3
50	50	25.82	35.972	4.72		2	24.036	25.802	392.4	0.322	1539.4	1.333	8.26	13.0
100	100	24.96	36.443	4.75		2	24.471	24.938	351.8	0.388	1538.0	2.017	4.60	11.0
119	119	24.63	36.478	4.56		2	24.598	24.604	340.5	0.448	1537.6	2.755	5.10	7.5
139	139	24.26	36.548	4.69		2	24.764	24.230	325.6	0.516	1537.1	3.637	7.96	7.2
149	149	23.74	36.609	4.83		2	24.965	23.708	306.9	0.5634	1536.1	4.105	8.36	9.0
159	159	23.10	36.654	4.69		2	25.187	23.107	286.1	0.5931	1534.7	4.574	6.65	
169			36.701	4.85		2								
189	189	22.04	36.808	4.80		2	25.609	22.002	247.1	0.6735	1532.7	5.997	6.50	9.2
209	209	21.12	36.822	4.29		2	25.877	21.1079	222.4	0.7205	1530.7	6.957	5.55	10.8
229	229	19.37	36.714	4.12		2	26.264	19.324	186.7	0.8029	1526.5	8.873	3.96	15.2
238	238	17.72	36.477	4.40		2	26.502	17.668	165.4	0.8896	1522.3	11.293	2.42	24.8
348	348	17.02	36.370	4.50		2	26.592	16.961	158.4	0.9711	1521.0	13.987	2.85	21.1
398	398	15.75	36.135	4.05		2	26.712	15.686	147.9	1.0482	1517.6	16.931	2.70	27.7
448	450	14.64	35.956	4.12		2	26.820	14.572	138.6	1.1203	1514.8	20.056	2.18	27.7
488	500	13.78	35.803	3.67		2	26.887	13.707	133.1	1.1887	1512.6	23.375	3.10	19.3
520	522	13.06	35.489	3.37		2	26.947	12.987	127.4	1.2176	1510.4	24.883	2.38	25.2
570	572	12.10	35.546	3.54		2	27.027	12.023	120.3	1.2799	1507.8	28.370	2.78	21.6
620	623	10.74	35.356	3.12		2	27.132	10.663	110.0	1.3379	1503.7	31.909	2.67	22.5
670	673	9.39	35.179	3.06		2	27.227	9.313	100.4	1.3910	1499.4	35.416	2.28	26.3
720	774	7.855	35.050	3.34		2	27.367	7.775	86.8	1.4854	1495.1	42.365	1.91	31.4
870	875	7.010	35.022	3.76		2	27.467	6.924	77.6	1.5683	1493.4	49.334	1.76	34.2
970	976	6.275	34.995	4.15		2	27.549	6.184	70.0	1.6428	1492.2	56.362	2.00	39.0
1070	1077	5.500	35.012	4.85		2	27.658	5.485	59.4	1.7081	1490.7	63.190	1.54	39.0
1170	1178	4.990	35.012	5.45		2	27.719	4.889	53.6	1.7652	1490.3	69.755	1.25	48.2
1270	1279	4.620	35.006	5.45		2	27.757	4.513	50.1	1.8176	1490.5	76.333	1.00	1.0
1370			35.001	5.65		2	27.757							

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	376	6 11 74	23.1	20 13.6 N	73 15.4 W	1313						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1		26.02	35.960	4.91		2	23.772	26.020	413.7	.0000	1538.3	.000	2.05	28.7
25		26.12	35.955	5.06		2	23.738	26.114	418.1	.1000	1538.9	.134	5.03	11.9
50		25.87	36.116	5.00		2	23.940	25.859	400.1	.2025	1538.9	.534	5.24	11.5
80		25.54	36.328	4.79		2	24.202	24.522	376.5	.3193	1537.0	1.236	8.47	17.1
100		24.51	36.512	4.78		2	24.659	24.488	333.8	.3905	1536.9	1.949	3.75	16.0
120		24.31	36.549	4.73		1	24.748	24.284	326.2	.4568	1535.5	2.694	6.56	19.1
140		23.56	36.615	4.67		1	25.022	23.531	301.0	.5197	1534.8	3.150	5.91	19.2
150		23.22	36.629	4.64		1	25.133	23.189	290.9	.5494	1533.0	3.971	8.14	17.4
160		22.67	36.656	4.67		1	25.343	22.637	271.2	.5776	1531.7	4.419	6.80	8.8
170		22.29	36.746	4.53		1	25.490	22.254	257.6	.6042	1531.0	4.867	5.62	19.1
190		21.88	36.782	4.39		1	25.690	21.642	239.4	.6541	1530.0	5.186	6.58	11.4
210		21.83	36.833	4.30		1	25.964	20.783	214.0	.6997	1524.7	6.718	5.24	11.4
250		20.78	36.573	4.34		1	26.308	18.735	182.4	.7794	1521.9	8.584	3.84	15.6
300		17.56	36.473	4.30		2	26.538	17.508	162.0	.8659	1521.2	11.013	2.19	27.4
350		16.79	36.323	4.35		3	26.610	16.732	156.6	.9461	1519.9	13.681	2.77	21.6
400		15.62	36.117	3.97		4	26.725	15.557	146.7	1.0224	1517.3	16.611	2.80	21.4
450		14.50	35.944	3.79		6	26.841	14.432	136.6	1.0937	1514.3	19.415	2.89	20.8
500		12.97	35.683	3.50		8	26.960	12.900	125.5	1.1596	1507.3	22.926	2.53	23.7
538		12.02	35.528	3.32		10	27.027	11.948	119.2	1.2065	1507.0	25.449	2.43	24.1
588		10.83	35.351	3.26		12	27.111	10.756	111.2	1.2645	1503.5	28.773	2.32	25.8
688		9.08	35.155	3.17		17	27.259	9.082	97.3	1.3697	1498.5	35.427	1.80	33.4
738		8.57	35.106	3.15		17	27.302	8.485	93.5	1.4178	1497.3	39.159	2.12	28.3
787		8.00	35.071	3.55		18	27.362	7.917	87.8	1.4626	1495.9	42.165	2.22	25.8
837		7.24	35.022	3.65		18	27.434	7.161	80.6	1.5051	1493.8	46.201	2.22	27.0
887		6.50	34.973	3.84		21	27.497	6.424	74.0	1.5449	1491.7	49.655	1.75	34.2
987		5.96	34.991	4.30		21	27.583	5.869	66.3	1.6149	1489.2	56.461	2.04	29.4
1087		5.15	35.008	5.27		16	27.698	5.661	55.1	1.6762	1489.6	63.977	1.89	46.4
1186		4.80	35.010	5.44		16	27.738	4.905	51.4	1.7296	1489.8	69.206	1.89	45.6
1286		4.60	35.009	5.49		13	27.759	4.497	50.1	1.7809	1490.7	75.173	1.00	50

COUNTRY 31 SHIP 6N CRUISE 37 STATION 377 DATE 7 11 74 GMT 1.6 20 15.7 N LONGITUDE 73 20.0 W DEPTH 1240

DEPTH	PRESS	TEMP	SAL	BX	PB4	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
1	1	25.86	35.918	4.76			2	23.790	25.860	4.12.0	.000	1537.9	.000	1.54	38.8
25	25	25.89	35.904	5.39			2	23.772	25.884	4.4.9	.094	1538.3	.133	6.22	9.6
50	50	25.56	36.175	5.04			2	24.081	25.549	3.86.6	.198	1538.3	.514	6.02	10.0
80	80	25.12	36.452	4.86			1	24.427	25.102	3.55.0	.314	1538.1	1.249	5.48	10.9
100	100	24.72	36.542	4.44			1	24.618	24.698	3.37.7	.309	1537.5	1.888	5.93	10.1
120	120	24.03	36.562	4.68			1	24.842	24.004	3.17.3	.466	1536.2	2.626	5.84	10.3
140	140	23.41	36.605	4.64			1	25.059	23.381	2.97.5	.583	1535.1	3.446	7.71	7.8
150	150	22.87	36.646	4.91			1	25.247	22.839	2.79.9	.573	1534.0	3.877	4.06	14.8
160	160	22.74	36.665	5.41			1	25.300	22.707	2.59.5	.562	1533.9	4.319	7.35	8.2
170	170	22.37	36.761	4.82			1	25.471	22.335	2.59.5	.520	1533.2	4.773	5.59	10.7
190	190	21.74	36.776	4.81			1	25.669	21.702	2.41.4	.623	1531.9	5.699	7.37	8.1
210	210	20.12	36.643	4.41			1	26.011	20.080	2.08.4	.687	1527.8	6.625	4.98	12.0
280	280	18.82	36.606	4.29			1	26.323	18.775	1.80.9	.761	1524.8	8.464	3.51	17.1
301	301	17.64	36.468	4.43			2	26.515	17.588	1.64.2	.829	1522.1	10.901	2.26	26.5
350	351	17.08	36.391	4.68			10	26.593	17.021	1.58.4	.940	1521.2	13.603	2.33	25.7
400	401	16.23	36.233	4.33			3	26.675	16.165	1.52.0	1.021	1519.3	16.603	2.98	20.2
450	452	14.83	35.990	3.84			4	26.805	14.761	1.40.3	1.086	1515.4	19.804	2.93	20.5
500	502	13.39	35.753	3.53			7	26.929	13.318	1.28.9	1.134	1511.3	23.101	1.60	27.5
517	519	13.10	35.690	3.59				26.939	13.027	1.28.1	1.175	1510.6	24.350	2.41	24.8
567	569	12.11	35.542	3.40			9	27.021	12.034	1.20.7	1.230	1507.8	27.732	2.04	29.4
667	670	10.56	35.318	3.21			12	27.133	10.477	1.10.8	1.347	1503.7	35.101	2.77	21.6
766	770	8.22	35.084	3.41			19	27.339	8.138	90.0	1.459	1496.4	42.429	2.26	24.5
866	871	6.71	34.977	3.90			23	27.473	6.626	76.4	1.589	1492.1	49.436	1.62	36.9
849	854	6.87	34.991	3.60			21	27.462	6.787	77.4	1.557	1492.5	48.272	1.99	30.2
904	909	6.30	34.966	3.85			21	27.519	6.215	71.8	1.567	1491.1	52.003	1.88	31.9
941	943	5.86	34.963	3.99			21	27.592	5.771	65.1	1.617	1490.6	56.875	2.21	27.2
1015	1022	5.51	34.995	4.85			1	27.642	5.420	60.1	1.641	1489.8	59.335	1.93	30.7
1054	1061	5.13	34.985	5.02			17	27.680	5.039	56.1	1.664	1488.9	61.770	.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD			
31	6N	37	378	70 11 07	3.8	20 17.8 N	73 24.9 W	2313									
									THETA	SIGMA*	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
									23.849	23.849	25.740	406.4	10000	1537.6	1008	3.79	15.8
									23.950	23.950	25.795	397.8	10884	1538.3	1088	4.76	12.6
									24.123	24.123	25.560	382.4	1825	1538.3	1442	6.36	19.4
									24.484	24.484	25.014	349.4	2852	1537.8	1077	5.89	10.3
									24.693	24.693	24.480	330.3	3500	1536.9	1636	5.46	11.0
									24.874	24.874	23.966	313.9	4114	1536.1	2286	6.30	9.3
									25.114	25.114	23.862	291.9	4692	1534.7	3009	5.31	11.3
									25.203	25.203	22.981	283.8	4981	1534.2	3414	6.28	9.6
									25.423	25.423	22.729	273.4	5232	1533.8	3792	5.23	11.5
									25.685	25.685	22.487	265.6	5507	1533.4	4224	6.60	9.7
									25.910	25.910	21.764	241.3	5987	1531.9	5067	6.21	12.3
									26.183	26.183	21.041	218.8	6449	1530.5	5966	4.79	12.6
									26.412	26.412	19.476	194.0	7237	1526.7	7727	3.86	15.3
									26.532	26.532	18.409	173.9	8144	1524.1	10154	2.83	21.2
									26.621	26.621	17.852	163.9	8976	1522.9	12808	2.45	24.5
									26.719	26.719	16.706	156.8	9767	1520.8	15729	2.58	23.2
									26.796	26.796	15.780	148.7	10520	1518.6	18891	2.91	26.0
									27.130	27.130	14.855	142.4	11253	1516.0	22341	2.93	26.0
									27.331	27.331	13.985	105.6	13283	1502.0	30568	2.93	26.7
									27.585	27.585	13.104	91.4	14483	1496.9	40324	2.76	27.8
									27.747	27.747	12.277	66.6	16595	1491.9	50943	2.47	34.7
									27.803	27.803	11.465	45.9	17794	1490.2	74431	1.90	51.7
									27.815	27.815	10.678	46.3	18788	1491.0	87773	1.63	12.4
									27.825	27.825	9.930	45.7	19727	1493.6	102386	1.74	18.8
									27.836	27.836	9.262	45.9	20193	1494.7	102386	1.58	30.7
									27.836	27.836	8.652	45.9	20662	1496.1	102386	1.58	30.7
									27.836	27.836	8.049	45.9	21127	1497.4	102386	1.58	30.7
									27.846	27.846	7.469	45.9	21608	1500.2	102386	1.58	30.7
									27.846	27.846	6.918	45.9	22088	1502.8	102386	1.58	30.7

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH							
31	6N	37	379	7 11 74	7.2	20 18.9 N	73 30.0 W	2438							
DEPTH	PRESS	TEMP	SAL	OX	PB4	PBOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.76	35.919	5.13			2	23.822	25.760	49.0	.000	1537.6	.000	5.62	10.7
2	2	25.42	36.058	5.21			2	24.064	25.414	387.0	.059	1537.4	.124	5.52	10.9
50	50	25.07	36.275	4.92			2	24.307	25.059	365.1	.190	1537.2	.483	6.27	9.6
80	80	24.43	36.513	4.79			1	24.688	24.419	330.6	.246	1536.5	1.172	5.40	11.1
100	100	23.94	36.863	4.74			1	25.020	23.919	313.9	.353	1535.7	1.776	4.89	12.3
120	120	23.52	36.898	5.03			1	25.328	23.455	300.3	.420	1535.1	2.459	6.97	8.6
140	140	22.72	36.697	4.85			1	25.422	22.691	271.7	.474	1533.5	3.222	5.44	11.0
150*	150	22.50	36.737	5.97			1	25.688	21.469	263.2	.552	1533.2	3.620	9.14	6.6
160	160	21.90	36.862	4.97			1	25.756	21.868	233.4	.504	1532.0	4.020	4.66	12.9
170	170	21.51	36.808	4.92			1	25.796	21.476	232.2	.554	1531.1	4.420	2.50	24.0
190	190	21.33	36.793	4.70			1	26.071	21.293	229.3	.604	1530.9	5.275	6.62	9.1
210*	210	19.86	36.632	4.52			1	26.298	19.821	203.6	.639	1527.1	6.164	4.24	14.2
250	250	19.91	36.636	4.39			1	26.524	18.965	183.5	.721	1525.4	7.991	3.81	15.7
300*	301	17.93	36.509	4.51			2	26.574	17.678	163.4	.809	1522.4	10.434	1.83	32.8
350	351	17.16	36.391	4.53			3	26.654	17.101	160.2	.903	1521.4	13.151	2.30	26.0
400*	401	16.43	36.267	4.34			3	26.778	16.364	154.0	.964	1519.9	16.190	2.91	20.6
450	452	15.04	36.015	4.06			5	26.871	14.970	143.0	1.044	1516.1	19.444	2.53	23.7
500*	502	14.01	35.845	3.94			6	27.382	13.936	134.9	1.114	1513.4	22.852	2.47	24.3
809*	814	7.82	35.006	3.89			21	27.495	7.437	85.5	1.454	1494.4	44.718	2.06	23.1
908*	913	6.59	34.969	3.88			22	27.676	6.414	74.5	1.537	1492.0	51.749	1.79	33.5
1108*	1116	5.49	35.033	5.00			16	27.768	5.391	58.2	1.674	1491.3	65.481	1.38	43.6
1307	1317	4.56	35.011	5.89			14	27.798	4.451	49.4	1.796	1490.8	78.840	.84	71.3
1506*	1518	4.17	34.994	6.40			13	27.806	4.046	47.3	1.870	1492.5	92.930	.66	91.4
1606*	1619	4.04	34.986	6.38			15	27.820	3.800	46.4	1.924	1493.7	100.600	.77	77.7
1705*	1720	3.94	34.990	6.60			15	27.817	3.800	46.4	1.971	1494.9	107.600	.20	300.1
1805*	1821	3.90	34.979	6.82			14	27.810	3.751	47.5	2.013	1496.4	117.212	.70	85.3
2004*	2023	3.67	34.972	6.84			16	27.836	3.507	46.5	2.142	1498.8	135.840	.56	107.8
2202	2225	3.59	34.978	6.31			17	27.850	3.407	46.5	2.281	1501.9	156.241	.37	163.5
2402*	2427	3.49	34.965	6.69			19	27.851	3.288	47.5	2.403	1504.8	178.867	.00	19.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 3) 5A 37 3PC 7-11-74 11.3 20 20.0 N 73 35.5 W 2290

DEPTH	PRESS	TEMP	SAL	9A	9B	PHOS	SIL	SIGMA-THETA	THETA	DELTA	DYN HT	SND VEL	P01 EN	V FREQ	PERIOD
1	1	23.65	35.969	5.41			2	23.891	25.660	402.4	.0000	1537.5	.000	4.19	14.3
25	25	25.45	36.059	4.90			2	24.025	25.444	397.7	.0954	1537.5	.125	6.91	18.7
50	50	25.09	36.414	5.06			2	24.406	25.079	355.7	.1869	1537.4	.479	4.88	12.3
80	80	24.56	36.499	4.83			1	24.693	24.543	335.4	.2929	1536.8	1.166	6.11	9.8
100	100	24.00	36.590	5.45			1	24.871	23.979	313.6	.3580	1535.9	1.765	3.61	16.6
120	120	23.71	36.584	5.37			1	24.953	23.685	305.7	.4202	1535.5	2.466	6.00	10.0
140	140	23.66	36.633	5.00			1	25.182	23.031	285.7	.4797	1534.3	3.256	8.05	17.5
150*	150	22.55	36.710	5.08			1	25.368	22.519	265.5	.5074	1533.3	3.667	7.09	8.5
160	160	22.32	36.834	4.22			1	25.548	22.268	251.7	.5335	1533.0	4.080	9.48	6.3
170	170	21.95	36.850	4.08			1	25.833	21.317	224.9	.5574	1530.7	4.484	2.67	22.4
190	190	21.05	36.799	4.44			1	25.877	21.013	221.5	.6022	1530.2	5.312	4.43	13.6
210*	210	20.04	36.500	4.44			1	25.999	20.001	210.4	.6456	1527.6	6.201	5.27	11.4
250	250	18.70	36.601	4.44			1	26.350	18.655	178.4	.7238	1524.5	8.031	3.10	19.4
300*	301	17.73	36.476	4.31			2	26.499	17.674	165.8	.8104	1522.4	10.464	2.51	23.9
350	351	16.97	36.359	4.51			2	26.695	16.911	158.1	.8918	1520.8	13.176	2.84	21.1
400*	401	15.73	36.137	4.20			4	26.716	15.666	147.7	.9688	1517.6	16.131	2.93	20.5
450	452	14.38	35.911	4.03			5	26.841	14.512	136.4	1.0403	1513.9	19.244	2.12	28.2
500*	502	13.64	35.751	3.90			7	26.907	13.567	131.2	1.1077	1513.2	22.527	2.34	25.7
719*	723	9.27	35.159	3.34			16	27.232	9.188	100.8	1.3637	1499.7	38.184	2.38	25.2
867	872	6.94	34.995	3.79			20	27.456	6.855	78.5	1.4976	1493.1	48.971	2.12	28.3
1063*	1070	5.22	35.019				14	27.696	5.128	54.9	1.6296	1489.5	61.844	1.27	47.3
1162	1170	4.89	35.022	5.53			13	27.738	4.791	51.4	1.6828	1489.8	67.927	1.18	50.7
1260*	1269	4.53	35.011	6.37			13	27.771	4.425	48.5	1.7323	1489.9	74.090	1.79	76.0
1459	1471	4.18	34.995	6.43			13	27.797	4.060	47.0	1.8284	1491.8	87.529	.58	103.4
1657*	1671	3.99	34.984	6.02			13	27.810	3.854	47.0	1.9227	1494.3	102.666	.56	107.7
1758	1774	3.92	34.982	6.00			14	27.817	3.775	47.1	1.9709	1495.7	111.153	.67	109.6
1858*	1875	3.80	34.976	6.94			15	27.825	3.647	46.8	2.0185	1496.9	120.032	.58	103.3
2058	2078	3.69	34.979	6.59			15	27.840	3.519	46.7	2.1134	1499.8	139.196	.67	190.0
2260*	2289	3.47	34.969	6.60			17	27.855	3.283	45.9	2.2084	1502.3	160.357	.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	PBT EN	V	PREQ	PERIOD
31	6N	37	381	7-11-74	13:7	20 20.8 N	73 40.7 W	2150							
DEPTH	PRESS	TEMP	SAL	DX	PHOS	SIL	SIGMA-t	THETA	DELTA	DYN HT	SND VEL	PBT EN	V	PREQ	PERIOD
1	1	25.55	36.004	5.14		2	23.951	25.550	396.6	.0000	1537.2	.000		4.82	12.4
25	25	25.27	36.123	5.21		2	24.129	25.264	380.8	.0935	1537.1	.122		4.51	13.3
50	50	25.06	36.259	5.09		2	24.251	25.089	366.6	.1872	1537.2	.480		5.00	12.0
80	80	24.82	36.467	4.86		1	24.530	24.803	345.2	.2942	1537.4	1.188		2.84	12.1
100	100	24.70	36.485	4.85		1	24.581	24.678	341.3	.3631	1537.4	1.822		5.67	17.3
120	120	24.30	36.545	5.09		1	24.778	24.774	323.4	.4298	1536.6	2.572		4.12	14.5
140	140	22.91	36.610	4.87		1	25.208	22.881	283.2	.4907	1533.9	3.375		4.12	14.5
150*	150	22.73	36.612	4.86		1	25.262	22.699	278.5	.5189	1533.6	4.798		5.17	17.9
160	160	22.52	36.644	4.66		1	25.347	22.497	270.9	.5465	1533.3	4.236		5.75	14.0
170*	170	22.13	36.738	4.68		1	25.529	22.096	259.9	.5728	1532.6	4.681		4.30	14.0
189	189	21.87	36.787	4.39		1	25.641	21.832	244.1	.6203	1532.3	5.554		5.77	10.4
209*	209	21.12	36.789	4.32		1	25.852	21.079	224.8	.6674	1530.7	6.513		5.18	11.6
249	249	19.60	36.694	4.33		1	26.189	19.854	194.0	.7516	1527.1	8.477		4.29	14.0
299*	300	17.89	36.496	4.38		2	26.475	17.838	168.1	.8426	1522.9	11.019		2.94	20.4
349	350	16.84	36.334	4.49		2	26.607	16.782	156.9	.9244	1520.4	13.729		2.44	24.6
399*	400	16.00	36.192	4.14		4	26.696	15.936	149.7	1.0015	1518.5	16.685		1.98	30.2
449	451	15.38	36.082	3.99		4	26.754	15.309	145.5	1.0758	1517.3	19.916		2.92	20.5
499*	501	13.99	35.848	3.77		6	26.877	13.916	134.3	1.1462	1513.4	23.337		2.34	25.6
530*	533	11.44	35.448	3.29		10	27.077	11.358	116.4	1.3116	1506.4	32.848		2.49	24.0
730	734	11.27	35.173	3.27		19	27.243	10.186	100.0	1.4207	1499.9	40.429		2.36	25.4
930*	936	6.32	35.010	4.40		19	27.543	6.192	70.1	1.5924	1491.9	54.769		1.88	31.9
1130	1138	4.92	35.020	5.72		14	27.733	4.824	51.6	1.7153	1489.4	67.606		1.09	54.8
1330*	1340	4.28	34.999	5.90		14	27.789	4.171	46.7	1.8148	1490.0	80.150		.65	91.8
1530*	1542	4.08	34.989	6.18		13	27.807	3.925	46.3	1.9090	1492.4	94.025		.55	109.9
1630*	1644	3.96	34.983	6.19		13	27.812	3.827	46.5	1.9560	1493.7	101.680		.59	101.2
1730	1745	3.87	34.979	6.06		14	27.819	3.729	46.4	2.0031	1495.0	109.833		.79	175.6
1930*	1947	3.73	34.977	6.07		15	27.832	3.581	45.5	2.0497	1496.1	118.386		.62	96.5
2130*	2148	3.66	34.976	6.03		15	27.840	3.453	45.3	2.0958	1497.6	127.329		.65	92.4
2130*	2151	3.43	34.968	6.06		18	27.855	3.257	44.6	2.1871	1499.9	146.449		.00	.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 6N 37 382 7° 11' 74 16:16 20 16.9 N 73 45.1 W 1388

DEPTH	PRESS	TEMP	SAL	EX	PO4	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
1	1	25.59	36.012	5.09			2	23.945	25.590	397.2	.0899	1537.3	.008	.46	129.3
26	26	25.59	36.012	5.09			2	23.947	25.584	398.2	.0899	1537.3	.128	5.45	111.0
50	50	25.18	36.156	5.17			2	24.183	25.169	376.8	.1928	1537.4	.197	4.10	14.6
80	80	25.02	36.301	5.35			2	24.344	25.002	363.0	.3040	1537.6	.235	4.91	12.2
100	100	24.85	36.434	5.28			1	24.497	24.828	349.3	.4755	1537.7	.275	3.21	18.7
120	120	24.76	36.483	4.93			1	24.563	24.734	344.0	.4450	1537.9	.275	9.00	16.7
140	140	23.36	36.610	5.34			1	25.077	23.331	295.8	.5092	1535.0	.525	4.54	13.2
150*	150	23.13	36.607	5.08			1	25.142	23.099	290.0	.5386	1534.6	.3962	7.88	7.6
160	160	22.52	36.634	5.18			1	25.339	22.487	271.6	.5668	1533.3	.409	7.02	8.6
170*	170	22.10	36.682	5.10			1	25.495	22.066	257.1	.5934	1532.4	.4858	6.43	9.3
190	190	21.54	36.820	5.00			1	25.758	23.219	232.9	.6426	1531.5	.5763	2.58	23.3
210*	210	21.30	36.786	4.42			1	25.800	21.259	229.8	.6891	1531.1	.6716	5.95	10.1
250	250	19.29	36.663	4.60			1	25.246	19.244	188.5	.7731	1526.2	.8681	3.76	16.0
300*	301	17.96	36.507	4.69			2	26.466	17.908	169.0	.8630	1523.1	1.1204	2.29	26.1
350	351	17.45	36.447	5.310			2	26.547	17.390	163.0	.9465	1522.4	1.3984	2.38	25.2
400*	401	16.67	36.315	5.239			3	26.632	16.604	156.3	1.0268	1520.7	1.7070	2.40	25.0
450	452	15.74	36.192	4.57			4	26.717	15.668	149.4	1.1037	1518.5	2.0421	2.58	23.2
500	502	14.80	35.992	4.00			5	26.815	14.723	141.0	1.1768	1516.2	2.3350	2.79	21.5
560*	566	13.04	35.853	3.79			8	26.955	12.960	127.9	1.2635	1511.1	2.6701	2.50	24.0
614	617	11.91	35.517	3.28			10	27.042	11.828	119.9	1.3259	1507.9	3.0472	2.97	20.2
664*	668	10.37	35.308				13	27.161	10.289	107.8	1.3833	1503.0	3.6231	2.24	26.7
764*	768	8.63	35.107	3.47			18	27.294	8.136	94.9	1.4855	1498.0	4.3698	2.39	25.3
864*	869	6.93	34.977	3.72			21	27.443	6.845	79.6	1.5735	1493.0	5.1025	2.04	29.3
964*	970	6.08	34.963	4.09			24	27.556	5.513	68.6	1.6483	1490.3	5.6029	2.38	25.2
1064*	1071	5.08	35.021	5.23			15	27.714	4.989	52.9	1.7097	1488.9	6.4390	1.34	44.7
1164*	1172	4.41	35.001	5.65			14	27.758	4.513	48.7	1.7610	1488.6	7.0268	1.17	52.5
1264	1273	4.28	35.001	6.03			14	27.790	4.173	45.9	1.8089	1488.6	7.6244	1.15	52.5
1314	1324	4.22	35.001	5.91			14	27.796	4.103	45.7	1.8321	1489.5	7.9519	.59	80.1
1364*	1374	4.22	34.993	5.84			14	27.791	4.103	46.7	1.8555	1490.3	8.2542	.00	101.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE DEPTH
 31 6N 37 383 7. 11.74 18.7 20 14.2 N 73 50.1 W 933

DEPTH	PRESS	TEMP	SAL	OX	PH4	SIL	SIGMA- THETA	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.64	36.075	5.65		2	23.977	25.640	394.2	1000	1537.5	.000	4.91	12.2
25	25	25.20	36.137	4.910		2	24.161	25.194	377.8	1028	1537.0	.121	4.98	20.7
50	50	25.19	36.188	5.40		2	24.232	25.189	372.2	1068	1537.2	.481	5.33	25.7
80	80	25.07	36.242	5.21		2	24.284	25.052	368.7	1222	1537.7	1.222	5.84	10.3
100	100	24.91	36.464	5.03		2	24.502	24.888	348.9	1302	1537.9	1.884	5.03	11.9
120	120	24.52	36.519	5.08		1	24.669	24.494	334.4	1388	1537.4	2.655	4.21	14.3
140	140	24.80	36.539	4.86		1	24.775	24.178	324.6	1509	1537.0	3.535	7.07	8.5
150	150	23.80	36.589	4.79		1	24.932	23.768	310.0	1567	1536.2	4.008	9.07	6.6
160	160	23.00	36.624	4.67		1	25.194	22.967	285.5	1566	1534.5	4.482	9.86	6.1
170	170	22.04	36.668	4.94		1	25.502	22.006	256.5	1539	1532.3	4.941	5.01	12.0
190	190	21.81	36.792	4.64		1	25.662	21.772	242.1	1639	1532.1	5.864	6.69	9.9
210	210	20.60	36.724	4.53		1	25.944	20.560	215.9	1900	1529.2	6.805	5.13	11.7
250	250	19.10	36.637	4.22		1	26.275	19.054	185.6	1707	1525.7	8.696	3.92	15.3
300	300	17.64	36.407	4.41		2	26.514	17.588	164.3	1587	1522.1	11.183	1.78	33.7
350	350	16.38	36.291	4.74		2	26.562	17.201	161.4	1406	1521.7	13.893	2.83	21.2
400	400	15.44	36.112	4.48		3	26.684	16.314	151.2	1092	1519.8	16.912	2.27	26.4
450	450	14.44	36.112	4.08		4	26.759	15.389	145.1	1038	1517.6	20.161	2.90	20.7
500	500	14.03	35.863	4.11		6	26.881	13.956	134.0	11640	1513.5	23.581	.61	93.1
516	516	13.54	35.833	4.02		6	26.881	13.864	134.3	11857	1513.5	24.710	1.84	32.6
568	568	13.33	35.735	3.82		7	26.929	13.249	130.8	12524	1512.2	28.417	3.04	19.7
616	616	11.88	35.532	3.40		10	27.089	11.798	118.2	13151	1507.8	32.217	2.83	21.2
666	666	10.52	35.350	3.69		15	27.168	10.438	107.5	13720	1503.6	35.957	2.83	21.2
716	716	9.30	35.223	3.60		20	27.277	9.218	96.6	14235	1499.9	39.603	1.98	30.2
816	816	8.04	35.105	3.60		19	27.380	7.973	86.8	15160	1496.7	46.861	1.35	44.4
916	916	7.60	35.079	3.90		19	27.429	7.505	83.2	16018	1496.6	54.490	1.00	1.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 6N 37 384 7-11-74 20.7 20 11.7 N 73 53.5 W 1026

DEPTH	PRESS	TEMP	SAL	EX	PHS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.68	36.039	4.99		2	23.937	25.680	398.0	.0000	1537.6	.000	5.86	10.2
25	25	25.14	36.164	4.62		2	24.120	25.135	374.1	.0929	1536.9	.120	1.66	36.2
50	50	25.17	36.203	5.09		2	24.222	25.159	373.2	.1865	1537.4	.480	4.68	12.8
80	80	25.09	36.448	4.86		1	24.431	25.072	354.7	.2960	1538.0	1.204	5.03	11.9
100	100	24.71	36.503	4.82		1	24.592	24.688	340.3	.3657	1537.5	1.846	2.46	24.4
120	120	24.63	36.520	5.08		1	24.630	24.604	337.5	.4337	1537.6	2.612	5.56	10.8
140	140	24.00	36.528	4.78		1	24.826	23.970	319.7	.4996	1536.5	3.488	4.45	13.5
150	150	23.79	36.528	4.86		1	24.889	23.758	314.1	.5314	1536.1	3.961	5.16	15.6
160	160	23.61	36.569	4.77		1	24.974	23.576	306.5	.5626	1535.9	4.455	11.19	15.4
170	170	22.44	36.625	4.75		1	25.371	22.405	269.0	.5915	1533.2	4.943	16.08	9.9
190	190	21.80	36.714	4.47		1	25.605	21.762	247.5	.6433	1532.0	5.898	7.34	8.2
210	210	20.64	36.741	4.41		1	25.846	20.600	215.7	.6899	1529.3	6.849	5.63	10.7
250	250	18.68	36.587	4.41		2	26.344	18.635	178.9	.7692	1524.4	8.704	2.71	22.1
300	300	17.58	36.504	4.37		2	26.459	17.928	169.7	.8569	1523.2	11.170	2.06	29.2
350	350	17.58	36.458	4.46		2	26.544	17.520	165.8	.9411	1522.8	13.977	2.35	25.5
400	400	16.56	36.370	4.46		3	26.608	16.853	158.8	1.0226	1521.6	17.109	2.63	22.8
450	450	15.34	36.009	4.18		4	26.705	15.269	150.1	1.1003	1517.1	20.494	3.96	15.1
500	502	13.26	35.729	3.69		7	26.937	13.189	128.0	1.1703	1510.8	23.894	2.15	37.9
507	509	13.14	35.709	3.67		8	26.946	13.088	127.2	1.1793	1510.5	24.359	1.47	40.9
557	559	12.78	35.653	3.69		8	26.976	12.702	125.4	1.2429	1510.1	27.834	2.67	22.4
656	659	10.47	35.345	3.44		13	27.172	10.389	106.7	1.3588	1509.3	35.003	2.08	28.9
756	760	8.56	35.164	3.41		17	27.246	8.875	95.0	1.4610	1499.2	42.392	2.66	23.6
856	861	6.55	34.941	3.82		25	27.466	6.469	76.6	1.5480	1491.3	49.555	2.34	23.6
956	962	5.59	35.020	4.88		17	27.652	5.505	58.6	1.6163	1489.2	58.865	1.90	31.6
1006	1012	5.20	35.021	5.18		19	27.700	5.113	53.8	1.6446	1488.4	58.726	.00	.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 6N 37 385 8-11-74 10:6 20 14.5 N 73 29.0 W 1511

DEPTH	PRESS	TEMP	SAL	OX	P04	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1*	1	25.60	35.999					23.932	25.600	398.5	.0000	1537.4	.000	1.72	34.9
25	25	25.62	36.038					23.955	25.614	397.5	.0957	1537.8	.127	6.47	9.3
50*	50	25.41	36.389					24.288	25.399	366.8	.1915	1538.2	.450	6.17	9.7
75	75	24.78	36.533					24.592	24.764	339.1	.2800	1537.3	1.052	6.35	9.5
100*	100	23.91	36.609					24.912	23.889	309.7	.3613	1535.7	1.777	6.61	9.1
125	125	22.85	36.656					25.259	22.824	277.7	.4350	1533.5	2.621	5.96	10.1
150*	150	22.11	36.748					25.542	22.080	251.8	.5015	1532.2	3.554	5.31	11.3
175	175	21.48	36.808					25.765	21.445	231.6	.5622	1531.1	4.562	6.19	11.7
200*	200	19.81	36.868					26.066	19.773	203.7	.6169	1526.8	5.608	.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	387	9-11-74	23.3	20 22.0 N	73 38.0 W	2248						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA*	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.82	36.038	5.22		2	THETA	25.820	397.9	.0000	1538.0	.000	8.50	7.1
23	23	24.96	36.276	5.43		2	24.445	24.855	350.6	.0825	1536.4	.096	4.05	14.8
45	45	24.70	36.462	5.46		1	24.569	24.690	340.7	.1588	1536.3	.360	4.13	14.5
72	72	24.39	36.530	5.18		1	24.707	24.374	328.0	.2493	1536.3	.900	5.56	10.8
89	89	23.77	36.505	4.97		1	24.874	23.751	312.8	.3040	1535.0	1.350	7.95	17.5
107	107	22.91	36.550	4.91		1	25.236	22.888	279.1	.3574	1533.4	1.884	6.52	9.2
124	124	23.42	36.541	4.83		1	25.006	23.394	301.8	.4070	1534.8	2.472	4.90	12.2
133	133	23.20	36.546	4.91		1	25.075	23.172	295.6	.4340	1534.4	2.827	8.15	17.4
141	141	22.74	36.581	4.90		1	25.263	22.681	279.9	.4571	1533.4	3.152	5.06	17.9
150	150	22.57	36.624	4.90		1	25.317	22.534	273.3	.4821	1533.2	3.524	6.22	19.6
167	167	21.99	36.681	4.650		1	25.525	21.956	254.1	.5271	1532.1	4.254	5.85	10.3
184	184	21.53	36.754	4.88		1	25.711	21.494	237.2	.5690	1531.3	5.006	5.49	10.9
217	217		36.729	4.91		1								
258	258	18.60	36.650	4.39		1	26.413	18.554	172.7	.7214	1524.4	8.371	3.23	18.6
299	299	17.69	36.524	4.32		2	26.545	17.638	161.3	.7903	1522.3	10.334	2.49	24.1
339	339	17.06	36.421	4.42		2	26.621	17.003	155.4	.8540	1521.0	12.418	2.26	26.5
378	378	16.53	36.271	4.31		3	26.680	16.268	150.8	.9144	1519.3	14.626	2.39	25.1
418	418	15.75	36.185	4.21		4	26.709	15.683	145.2	.9737	1518.0	17.058	2.46	24.4
536	536	13.05	35.702	3.50		7	26.951	13.014	127.5	1.1357	1510.8	24.333	2.40	25.0
659	662	10.88	35.409	3.19		12	27.149	10.797	109.6	1.2826	1504.9	33.881	.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DEPTH	DELTA	DYN HT	SND VEL	PST EN	Y FREQ	PERIOD
31	6N	37	389	10-11-74	18.1	20 4.4 N	79 24.6 W	1790							
DEPTH	PRESS	TEMP	SAL	9X	P04	PH5	SIL	SIGMA*	THETA	DELTA	DYN HT	SND VEL	PST EN	Y FREQ	PERIOD
1	1	25.86	36.184	4.82			1	23.991	25.860	392.9	0.000	1538.2	0.000	3.43	17.5
25	25	25.58	36.186	4.76			1	24.081	25.574	385.4	0.096	1537.9	0.124	3.13	19.2
50	50	25.47	36.242	4.81			1	24.159	25.459	379.2	0.184	1538.1	0.491	7.31	8.2
99	99	23.70	36.635	4.40			1	24.994	23.679	301.9	0.358	1535.2	1.720	5.78	10.4
139	139	22.36	36.679	4.40			1	25.418	22.332	263.2	0.702	1532.6	3.088	5.43	11.1
159	159	21.94	36.768	4.46			1	25.605	21.908	246.2	0.524	1531.9	3.867	6.33	9.5
179	179	21.13	36.805	4.28			1	26.055	21.095	222.7	0.565	1530.2	4.681	5.55	10.8
199	199	20.52	36.842	4.12			1	26.055	20.482	204.9	0.614	1529.0	5.511	5.21	11.5
209	209	20.03	36.781	4.06			1	26.140	19.991	197.1	0.636	1527.7	5.934	4.04	14.9
219	219	19.88	36.756	3.94			1	26.192	19.839	182.6	0.652	1527.5	6.363	4.09	14.7
249	249	18.88	36.659	3.96			2	26.348	18.835	178.6	0.702	1525.1	7.703	3.16	19.0
299	300	17.69	36.468	4.02			2	26.502	17.638	165.4	0.797	1522.2	10.126	2.84	21.1
350	401	16.37	36.300	4.17			3	26.748	15.307	144.4	0.951	1516.4	15.717	2.86	21.0
400	503	12.63	36.073	3.95			4	26.987	12.561	122.6	1.089	1508.6	21.941	2.26	26.5
602	605	10.78	35.631	3.42			8	27.131	10.705	109.7	1.201	1503.8	28.603	2.05	29.3
703	707	9.34	35.364	3.14			12	27.245	9.259	99.3	1.315	1499.7	35.712	2.25	26.6
804	809	7.71	35.134	3.20			16	27.380	7.627	89.9	1.409	1495.1	42.987	2.27	31.9
831	836	7.03	34.981	3.53			20	27.432	6.948	80.3	1.425	1492.8	44.889	2.14	32.0
882	887	6.49	34.968	3.75			20	27.495	6.406	74.1	1.462	1491.5	48.385	2.00	30.0
983	989	5.60	34.961	4.31			22	27.604	5.512	63.4	1.533	1489.6	55.081	1.76	34.9
1084	1091	5.11	34.956	4.91			20	27.691	5.017	55.4	1.599	1489.3	61.505	1.92	34.9
1184	1192	5.00	35.009	5.17			16	27.715	4.898	54.1	1.653	1490.6	67.961	1.90	34.9
1285	1295	4.730	35.008	5.41			16	27.746	4.621	51.6	1.703	1491.2	74.818	1.90	66.4
1385	1396	4.520	35.001	5.52			16	27.765	4.404	50.4	1.759	1492.0	81.909	1.50	121.1
1486	1497	4.345	35.000	5.55			16	27.771	4.345	50.8	1.811	1493.4	89.477	1.69	87.2
1584	1597	4.245	34.994	5.53			16	27.780	4.212	50.5	1.848	1494.6	97.503	1.15	86.5
1684	1699	4.245	34.993	5.61			17	27.791	4.108	50.1	1.912	1495.8	106.088	1.00	38.9
1784	1800	4.260	34.993	5.61			17	27.791	4.108	51.1	1.964	1497.6	115.284	1.00	39.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
31	6N	37	390	10 11 74	21.3	20 44 N	73 29.2 W	2591						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA [*]	THETA	THETA					
1	1	26.18	36.112	4.69		2	23.836	26.180	07.6	0.000	1538.8	0.00	6.13	9.8
25	50	24.88	36.156	4.70		2	24.422	24.869	35.1	1.871	1536.9	4.56	4.05	14.8
100	100	24.43	36.251	4.66		1	24.683	24.408	31.5	3.590	1536.8	1.762	6.45	19.3
149	149	22.66	36.477	4.31		1	25.331	22.629	27.9	5.574	1533.5	3.618	6.44	9.3
179	179	21.47	36.672	4.32		1	25.725	21.435	23.5	5.838	1531.0	4.855	6.90	8.7
199	199	20.22	36.699	4.19		1	26.026	20.182	20.5	6.283	1528.0	5.755	4.47	13.4
209	209	20.29	36.807	3.98		1	26.090	20.150	20.9	6.489	1528.5	6.185	3.90	13.4
249	249	19.29	36.709	3.88		2	26.281	19.254	18.5	7.267	1526.3	8.005	3.27	18.3
298	299	18.16	36.843	3.90		2	26.444	18.108	17.1	8.145	1523.7	10.459	2.93	20.5
348	349	17.16	36.992	4.29		2	26.675	17.101	16.0	8.978	1521.4	13.213	2.44	24.6
398	399	16.29	36.238	4.20		3	26.664	16.225	15.2	9.765	1519.4	16.222	2.67	22.4
438			35.868	3.64		6								
597	600	11.48	35.451	3.21		11	27.071	11.402	11.6	1.2460	1506.0	29.617	2.68	22.4
696	700	9.03	35.150	3.16		17	27.263	8.952	19.0	1.3524	1498.4	36.634	2.37	26.4
796	800	7.36	34.898	3.10		20	27.398	7.280	83.4	1.4434	1493.5	43.577	1.96	30.6
896	901	6.39	34.559	3.74		22	27.501	6.305	73.5	1.5226	1491.3	50.441	1.91	31.4
995	1001	5.64	34.591	4.20		22	27.599	5.551	64.1	1.5914	1490.0	57.107	2.25	31.7
579	582	11.85	35.502	3.19		14	27.040	11.773	11.8	1.2073	1507.1	28.950	2.30	25.4
778	782	8.32	35.093	3.28		14	27.323	8.236	51.9	1.4187	1497.0	42.959	2.32	25.9
877	882	6.72	34.965	3.28		21	27.462	6.635	77.6	1.5034	1492.3	50.126	2.23	26.9
977	983	5.66	34.962	4.19		21	27.597	5.573	64.1	1.5749	1489.8	56.909	1.50	40.1
1176	1184	4.94	35.007	5.08		17	27.721	4.839	53.3	1.6930	1490.2	69.878	0.89	67.1
1374	1385	4.575	35.091	5.34		16	27.759	4.459	51.0	1.7975	1492.0	83.571	0.66	91.5
1673	1687	4.285	34.994	5.60		16	27.788	4.144	50.5	1.9511	1495.8	107.686	0.23	259.0
1973	1985	4.265	34.992	5.68		16	27.793	4.079	55.2	2.2192	1504.2	161.168	0.45	132.6
2173	2198	4.208	34.991	5.71		15	27.801	3.994	56.1	2.3322	1507.9	184.709	0.31	138.4
2373	2398	4.198	34.990	5.74		15	27.806	3.962	57.7	2.4479	1510.7	217.278	0.00	14.0
2573	2601	4.198	34.992	5.71		15	27.806	3.962	57.7	2.4479	1510.7	217.278	0.00	14.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN MT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	391	11 11 74	05	20 51.1 N	73 33.6 W	2310						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA ⁰	THETA	DELTA	DYN MT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.70	36.155	4.82		2	24.019	25.700	390.2	0000	1537.8	0000	5.38	11.2
25	25	25.42	36.331	4.82		2	24.240	25.414	370.3	0915	1537.7	0119	4.37	13.7
50	50	24.95	36.339	5.08		2	24.392	24.939	357.0	1826	1536.9	0467	4.24	10.2
99	99	24.48	36.517	4.86		1	24.672	24.459	332.6	3521	1536.8	1745	5.50	10.8
139	139	23.40	36.598	4.61		1	25.056	23.371	297.7	4785	1535.1	30273	7.61	7.9
159	159	22.45	36.720	4.49		1	25.424	22.418	263.4	5349	1533.2	41130	7.28	8.2
179	179	21.56	36.831	4.21		1	25.760	21.525	232.2	5847	1531.4	45859	5.40	11.1
199	199	20.49	36.837	4.21		1	26.044	20.871	215.4	6296	1530.0	50859	5.61	10.7
209	209	19.90	36.817	4.06		1	26.328	20.450	206.3	6508	1528.0	60302	6.57	9.1
219	219	19.53	36.788	4.06		1	26.180	19.859	193.7	6709	1527.5	64743	4.2	22.7
248	248	18.11	36.681	4.04		1	26.197	19.484	193.1	7273	1526.9	80933	4.08	12.0
298	298	17.18	36.544	4.11		1	26.457	18.058	168.9	8186	1523.5	100633	2.08	22.0
348	348	16.36	36.405	4.31		2	26.580	17.121	159.6	9014	1521.5	130373	2.31	22.3
398	398	14.07	36.253	4.13		3	26.660	16.295	153.4	9802	1519.7	160383	2.69	22.0
497	497	11.98	35.859	3.60		6	26.869	13.996	135.1	10239	1513.6	220542	2.61	23.2
596	596	11.07	35.560	3.25		10	27.061	11.900	117.6	102499	1507.9	290970	2.59	23.2
696	696	9.44	35.205	3.14		16	27.239	9.359	99.9	103595	1500.0	370201	2.50	24.0
795	795	7.37	35.004	3.38		21	27.401	7.290	83.1	10509	1493.6	44055	2.11	24.0
908	908	6.16	34.975	3.36		24	27.544	6.076	69.2	10536	1490.7	510792	1.71	35.0
1108	1108	4.98	34.989	4.86		19	27.701	4.885	54.4	10628	1489.2	640535	1.06	56.0
1308	1308	4.59	35.007	5.44		15	27.761	4.480	50.1	10628	1489.2	770330	1.56	108.0
1408	1408	4.46	34.994	5.39		17	27.766	4.342	50.3	10628	1489.2	840732	1.73	81.0
1508	1508	4.35	34.994	5.50		16	27.779	4.224	49.8	10628	1489.2	920342	1.59	101.5
1607	1607	4.305	34.998	5.53		16	27.788	4.170	49.9	10628	1489.2	1000363	1.36	164.7
1707	1707	4.265	34.994	5.60		16	27.790	4.121	50.6	10628	1489.2	1090055	1.37	161.5
1807	1807	4.235	34.992	5.62		16	27.793	4.071	51.2	10628	1489.2	1180006	1.22	274.7
1907	1907	4.235	34.992	5.67		16	27.794	4.071	52.2	10628	1489.2	1280006	1.38	156.8
2107	2107	4.195	34.991	5.72		16	27.800	4.007	53.5	10628	1489.2	1500006	1.15	105.0
2306	2306	4.21	34.990	5.72		15	27.799	4.011	53.7	10628	1489.2	1750006	1.00	10

COUNTRY SHIP STATION CRUISE TEMP SAL OX P84 DATE GMT LATITUDE DEPTH
 31 6N 392 37 3.2 20 5.6 N 73 35.5 W 2.42

DEPTH	PRESS	TEMP	SAL	OX	P84	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	PST EN	V FREQ	PERIOD
1	1	25.68	36.175	5.21	2	27.040	25.680	388.2	.0000	1537.7	.000	1.32	45.3
15	250	25.63	36.170	5.03	2	27.053	25.624	388.0	.0934	1538.0	.124	5.58	10.8
30	500	25.06	36.264	5.01	2	27.301	25.629	365.6	.1878	1537.2	.483	4.41	13.6
45	99	24.63	36.488	4.90	1	27.609	24.609	339.0	.3609	1537.3	1.788	7.19	8.3
60	139	22.79	36.635	4.56	1	27.861	22.761	278.1	.4848	1533.6	3.273	6.07	9.8
75	159	22.27	36.746	4.62	1	27.915	22.238	256.7	.5385	1532.7	4.091	5.90	10.2
90	179	21.66	36.809	4.44	1	27.966	21.624	236.5	.5880	1531.6	4.947	5.34	11.2
105	199	21.19	36.874	4.29	1	27.997	21.151	220.1	.6339	1530.8	5.834	4.94	12.4
120	209	20.55	36.813	4.26	1	28.025	20.510	208.1	.6554	1529.2	6.284	3.97	15.1
135	218	19.90	36.641	4.39	1	28.068	19.859	204.2	.6740	1527.4	6.692	4.49	13.4
150	218	19.09	36.612	4.29	1	28.259	19.045	187.1	.7330	1525.6	8.098	3.74	16.0
165	239	17.90	36.502	4.43	1	28.477	17.848	167.9	.8223	1522.9	10.585	2.62	22.9
180	338	16.11	36.388	4.43	2	28.683	16.046	151.0	.9811	1518.8	16.205	2.04	29.4
195	498	14.84	36.289	4.18	3	28.803	14.764	141.0	1.1270	1516.2	22.874	3.03	19.8
210	599	13.69	35.990	3.39	5	27.022	13.612	117.2	1.2576	1506.8	30.129	2.55	13.6
225	699	12.47	35.209	3.64	10	27.295	12.389	100.3	1.3661	1500.1	37.1284	2.27	26.6
240	798	7.79	35.039	3.39	20	27.358	7.707	87.0	1.4596	1495.2	44.406	2.26	26.6
255	897	6.44	34.966	3.83	20	27.500	6.356	73.6	1.5390	1491.5	51.260	1.84	36.5
270	998	6.00	34.989	4.20	19	27.577	5.909	67.1	1.6101	1491.4	58.127	1.80	33.3
285	1100	5.35	34.998	4.75	18	27.665	5.254	58.6	1.6742	1490.5	64.983	1.58	37.7
300	1207	4.72	34.986	5.07	18	27.729	4.620	52.1	1.7313	1489.6	71.488	1.36	63.2
315	1306	4.66	35.007	5.37	15	27.756	4.531	50.6	1.7838	1491.0	78.414	1.32	31.2
330	1305	4.56	35.004	5.64	16	27.763	4.441	49.7	1.7883	1490.7	79.023	1.27	30.8
345	1419	4.48	35.003	5.86	16	27.771	4.362	49.9	1.8403	1492.2	86.279	1.0	66.6
360	1529	4.38	35.057	5.80	16	27.794	4.253	48.6	1.8916	1493.5	93.995	1.58	79.9
375	1623	4.25	34.994	5.79	16	27.780	4.213	50.9	1.9440	1495.1	102.436	1.30	103.4
390	1733	4.28	34.993	5.78	16	27.788	4.135	51.0	1.9971	1496.5	111.869	1.30	108.1
405	1836	4.245	34.992	6.260	15	27.790	4.115	51.8	2.0502	1498.2	121.255	1.63	95.3
420	1941	4.229	34.998	5.82	15	27.808	4.040	51.7	2.1043	1499.3	131.687	1.04	127.9
435	2043	4.215	34.995	5.78	15	27.809	4.040	51.8	2.1578	1501.5	142.587	1.04	127.9
450	2147	4.250	34.998	5.86	15	27.799	4.064	54.0	2.2131	1503.3	154.438	1.04	127.9
465	2251	4.250	34.993	5.93	15	27.802	4.007	54.6	2.2699	1504.9	167.195	1.18	127.9
480	2358	4.225	34.991	5.80	15	27.800	4.007	56.9	2.3849	1508.4	194.902	1.00	127.9

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH								
31	6N	37	393	11 11 74	6.8	20 7.0 N	73 44.6 W	1694								
DEPTH	PRESS	TEMP	SAL	DX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	PST EN	V	FREQ	PERIOD	
1	1	25.49	36.196	5.10		2	24.115	25.490	381.1	.000	1537.3	.000		3.39	17.7	
25	25	25.33	36.245	5.05		2	24.203	25.324	373.8	.008	1537.4	.120		4.02	14.9	
50	50	25.12	36.328	5.26		2	24.331	25.109	362.7	.131	1537.4	.473		4.24	14.1	
80	80	24.85	36.444	4.95		1	24.503	24.833	347.7	.200	1537.4	1.181		4.17	14.6	
100	100	24.62	36.492	5.09		1	24.611	24.598	338.4	.388	1537.2	1.181		4.07	14.7	
120	120	24.37	36.530	4.90		1	24.716	24.344	329.3	.425	1537.0	2.569		7.07	8.5	
140	140	23.52	36.614	5.03		1	25.033	23.491	300.0	.489	1535.4	3.407		8.28	7.2	
160	160	22.18	36.677	4.76		1	25.466	22.174	259.2	.545	1532.5	4.266		4.66	12.9	
180	180	21.81	36.720			1	25.606	21.774	246.9	.599	1531.9	5.150		7.96	12.5	
190	190	21.46	36.856	4.30		1	25.808	21.422	228.2	.618	1531.3	5.603		4.73	12.7	
200	200	21.17	36.843	4.28		1	25.879	21.131	221.8	.642	1530.7	6.054		6.15	9.8	
210	210	20.84	36.809	4.28		1	25.958	20.600	210.8	.664	1529.4	6.511		4.24	14.2	
250			36.608	4.26		2										
300	301	17.74	36.484	4.40		2	26.503	17.688	165.4	.844	1522.4	10.868		2.48	24.2	
350	351	16.98	36.364	4.51		2	26.597	16.921	158.0	.919	1520.9	13.576		2.73	22.0	
400	401	15.88	36.172	4.15		4	26.708	15.816	148.5	.928	1518.1	16.538		2.21	27.1	
449	451	15.10	36.033	3.91		6	26.779	15.030	142.9	1.047	1516.3	19.667		2.73	22.0	
499	501	13.90	35.835	3.86		6	26.886	13.827	133.3	1.134	1513.1	23.046		2.64	22.7	
546	548	12.82	35.668	3.52		8	26.980	12.744	124.8	1.184	1510.9	26.321		2.51	23.9	
599	599	11.67	35.491	3.29		9	27.086	11.592	116.7	1.262	1508.7	29.885		2.53	23.7	
696	700	9.45	35.208	3.24		14	27.240	9.369	99.8	1.354	1500.1	37.087		1.95	30.8	
795	799	7.77	34.987	3.24		19	27.330	7.687	90.5	1.464	1495.1	44.345		2.09	28.8	
934	1000	5.81	34.944	4.20		21	27.565	5.720	67.7	1.619	1490.6	58.732		1.64	36.7	
1193	1201	4.830	34.976	4.93		20	27.709	4.729	54.3	1.742	1490.0	72.403		1.17	51.1	
1293	1303	4.440	34.996	4.910		16	27.747	4.531	51.4	1.795	1490.9	79.236		.63	94.6	
1392	1403	4.615	35.004	5.62		14	27.759	4.437	51.4	1.847	1492.5	86.350		.90	66.6	
1492	1504	4.435	35.004	5.72		14	27.778	4.309	50.1	1.883	1493.4	93.973		.47	128.0	
1591	1604	4.365	34.996	5.75		14	27.781	4.231	50.5	1.948	1494.8	101.986		.75	79.8	
1691	1706	4.215	34.991	5.79		14	27.793	4.073	49.9	1.996	1495.8	110.594		.00	.0	

COUNTRY 31 SHIP 6N CRUISE 37 STATION 39 DATE 11 77 GMT 9.1 LATITUDE 73 50.0 N DEPTH 2116

DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
1	1	25.46	36.214	4.97		2	24.092	25.460	378.9	0.000	1537.3	0.00	4.59	13.1
5	5	25.21	36.323	4.87		2	24.134	25.434	364.7	0.094	1537.2	0.17	3.67	16.3
25	25	25.02	36.386	4.98		2	24.406	25.309	355.6	0.179	1537.2	0.46	3.88	15.5
75	75	24.83	36.466	4.86		1	24.526	24.814	345.4	0.267	1537.3	0.92	3.44	17.5
100	100	24.63	36.508	4.78		1	24.620	24.608	337.6	0.352	1537.3	1.79	3.05	19.7
125	125	24.47	36.540	4.78		1	24.694	24.443	331.7	0.372	1537.4	2.75	4.99	12.0
150	150	23.95	36.594	4.69		1	24.892	23.918	313.9	0.518	1536.6	3.89	7.57	7.9
175	175	22.54	36.650	4.58		1	25.346	22.504	271.6	0.916	1533.6	5.11	6.09	9.8
200	200	21.90	36.798	4.50		1	25.642	21.860	244.5	0.654	1532.5	6.35	4.95	12.1
250	250	25.50	36.170	4.87		2	24.092	25.150	383.2	0.297	1537.3	1.30	2.34	25.8
300	300	25.44	36.199	4.87		2	24.134	25.434	380.7	0.215	1537.6	1.42	4.98	12.4
350	350	25.12	36.328	4.98		2	24.331	25.109	382.7	0.214	1537.4	1.78	3.20	18.8
400	400	24.95	36.402	4.86		2	24.429	24.972	354.8	0.226	1537.7	2.50	4.28	14.0
100	100	24.84	36.494	4.86		1	24.546	24.818	344.7	0.327	1537.8	3.14	5.18	11.6
120	120	24.46	36.566	4.78		1	24.716	24.434	329.3	0.460	1537.3	3.98	6.56	9.4
140	140	23.71	36.630	4.69		1	24.989	23.680	304.2	0.523	1535.9	4.75	7.82	7.7
160	160	22.44	36.654	4.62		1	25.377	22.407	268.0	0.584	1533.1	5.63	5.63	10.7
170	170	22.20	36.696	4.52		1	25.478	22.166	258.8	0.678	1532.7	6.07	3.65	16.4
190	190	22.06	36.754	4.52		1	25.563	22.022	251.6	0.691	1532.7	7.02	7.65	13.5
200	200	21.93	36.788	4.38		1	25.625	21.850	246.0	0.641	1532.6	7.52	4.45	13.5
210	210	21.52	36.808	4.43		1	25.756	21.478	234.0	0.702	1531.7	8.02	6.47	10.2
250	250	19.57	36.684	4.28		1	26.189	19.524	194.0	0.794	1527.0	10.04	3.69	16.2
301	301	18.36	36.559	4.28		2	26.406	18.307	174.0	0.888	1524.3	12.70	3.26	18.4
351	351	17.28	36.423	4.41		2	26.570	17.220	160.7	0.972	1521.8	15.51	2.46	24.4
401	401	16.32	36.241	4.33		3	26.660	16.254	153.4	1.052	1519.6	18.56	3.36	27.8
451	451	14.50	35.924	3.60		5	26.826	14.438	138.0	1.126	1514.3	21.75	3.64	24.8
501	501	13.42	35.738	3.60		7	26.926	13.338	129.1	1.192	1511.4	25.09	2.54	23.6
601	601	11.24	35.442	3.30		11	27.108	11.163	112.4	1.314	1505.2	31.88	2.13	24.1
702	702	9.61	35.231	3.28		14	27.231	9.528	101.0	1.423	1500.8	39.12	2.29	26.2
802	802	7.43	34.962	3.05		22	27.360	7.345	87.2	1.518	1493.9	46.42	2.24	26.8
1003	1003	5.38	34.970	4.55		21	27.638	5.252	60.0	1.667	1489.1	60.00	1.44	42.4
1204	1204	4.69	35.005	5.37		17	27.748	4.989	50.4	1.779	1489.6	72.63	1.64	9.41
1405	1405	4.570	35.013	5.64		14	27.769	4.451	50.4	1.882	1492.5	86.40	1.83	72.1
1506	1506	4.400	35.098	5.84		15	27.785	4.273	49.4	1.932	1493.5	94.05	1.48	130.3
1607	1607	4.316	34.999	5.76		15	27.788	4.180	49.9	1.984	1494.8	102.20	1.30	200.1
1807	1807	4.270	34.994	5.83		14	27.791	4.116	51.6	2.086	1498.0	120.33	1.46	129.7
2008	2008	4.190	34.992	5.78		14	27.799	4.107	52.5	2.193	1501.1	141.21	1.26	226.9
2109	2109	4.215	34.992	5.80		15	27.798	4.101	53.8	2.247	1502.9	152.78	1.00	1.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	395	11 11 74	16.9	20 21.6 N	73 33.2 W	2674						
DEPTH	PRESS	TEMP	SAL	DX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.64	36.101	5.00		2	23.997	25.640	392.3	.0000	1537.6	.000	3.67	1.644
24	24	25.49	36.168	4.92		2	24.095	25.485	384.9	.0895	1537.7	.113	4.88	1.353
73	73	24.91	36.421	5.06		2	24.467	24.894	350.9	.2700	1537.4	.990	6.24	1.516
122	122	23.33	36.619	4.78		1	25.074	23.364	295.2	.4288	1534.8	2.542	6.16	9.17
171	171	21.33	36.620	4.69		1	25.669	21.296	241.0	.5607	1530.4	4.489	5.78	10.44
196	196	20.24	36.576	4.60		1	25.927	20.203	214.8	.6182	1527.8	5.567	6.42	19.33
206	206	19.59	36.660	4.45		1	26.058	19.951	204.7	.6394	1527.4	6.003	4.63	13.10
225	225	18.21	36.558	4.45		1	26.185	19.169	193.1	.6774	1525.5	6.842	4.20	14.43
255	255	18.81	36.641	4.17		1	26.353	18.764	178.4	.7334	1524.9	8.217	3.60	16.17
258	258	17.64	36.466	4.36		2	26.513	17.589	164.2	.8023	1522.0	10.155	2.13	28.22
345	345	17.09	36.380	4.43		2	26.582	17.032	159.2	.8837	1521.1	12.823	2.07	23.00
395	395	16.44	36.260	4.33		3	26.646	16.375	154.6	.9626	1519.9	15.818	2.72	22.11
495	495	14.09	35.858	3.69		6	26.862	14.017	135.6	1.1087	1513.6	22.445	2.56	23.11
556	556	11.82	35.505	3.47		11	27.049	11.741	118.6	1.2381	1507.2	29.646	2.37	25.33
694	700	9.72	35.212	3.18		19	27.198	9.638	104.9	1.3503	1501.1	37.061	2.40	25.00
796	800	7.39	35.056	3.36		19	27.352	7.906	88.9	1.4477	1496.0	44.488	2.19	28.22
896	901	6.82	34.996	3.84		20	27.473	6.733	77.1	1.5314	1493.1	51.744	2.05	29.12
995	1001	6.05	35.013	4.46		18	27.589	5.958	66.1	1.5914	1491.7	58.674	1.96	31.96
992	998	5.99	35.013	4.54		19	27.597	5.899	65.2	1.6030	1491.4	58.471	1.93	31.11
1144	1152	4.49	35.000	5.45		19	27.743	4.595	50.2	1.6886	1488.6	68.114	1.00	40.29
1346	1356	4.25	35.000	5.75		16	27.793	4.140	46.4	1.7882	1490.3	80.723	1.49	122.9
1448	1459	4.16	34.992	5.83		16	27.797	4.042	46.8	1.8364	1491.5	87.650	.88	158.6
1548	1561	4.08	34.989	5.98		16	27.814	3.854	45.6	1.8831	1492.4	94.866	.60	99.44
1748	1763	3.820	34.986	6.09		15	27.830	3.678	45.4	1.9759	1495.1	110.522	.54	111.9
1947	1965	3.725	34.988	6.21		16	27.843	3.565	45.6	2.0622	1498.8	128.028	.55	107.7
2147	2174	3.555	34.976	6.08		17	27.852	3.378	45.7	2.1599	1500.6	147.619	.51	117.00
2346	2370	3.425	34.968	6.13		19	27.859	3.230	46.0	2.2454	1503.6	169.123	.67	129.2
2546	2574	3.220	34.968	6.36		20	27.874	3.008	46.0	2.3251	1506.1	192.488	.92	65.2
2645	2673	3.000	34.968	6.36		22	27.885	2.783	43.3	2.3856	1506.1	204.415	.00	1.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE DEPTH
31 6N 37 396 11 11 7 20.0 20 18.3 N 73 37.5 W 1655

DEPTH	PRESS	TEMP	SAL	DX	P04	P05	SIG	SIGMA*	THETA	DELTA	DYN HT	SND VEL	POT EN	V	FREQ	PERIOD
1	100	25.62	36.091	5.28			2	23.995	25.620	392.4	1.000	1537.5	1.000	5.84	7.15	
25	250	25.65	36.094	5.90			2	23.990	25.644	394.1	1.026	1538.0	1.126	5.44	7.15	
100	100	25.64	36.0318	5.08			2	24.226	25.649	372.8	1.190	1538.1	1.126	6.72	7.15	
139	139	23.72	36.584	4.77			1	24.943	23.719	306.7	1.361	1535.2	1.759	5.36	11.2	
159	159	22.72	36.658	4.55			1	25.293	22.719	274.5	1.479	1533.6	3.139	6.23	9.6	
179	179	22.12	36.786	4.46			1	25.568	22.088	249.7	1.525	1532.4	3.941	6.23	9.6	
199	199	21.53	36.811	4.40			1	25.814	21.275	227.0	1.574	1530.7	4.768	6.01	12.7	
209	209	20.06	36.714	4.33			1	26.059	20.092	214.8	1.619	1528.8	5.626	6.01	12.7	
219	219	20.08	36.698	4.26			1	26.097	19.773	203.8	1.640	1527.7	6.065	6.01	12.7	
229	229	19.09	36.704	4.26			1	26.137	19.773	197.7	1.660	1527.2	6.508	3.96	15.2	
239	239	17.29	36.646	4.13			2	26.278	19.025	184.7	1.716	1525.6	7.889	3.53	17.3	
249	249	17.29	36.502	4.07			2	26.559	17.231	167.8	1.802	1522.9	10.369	2.22	26.2	
259	259	16.64	36.392	4.07			3	26.632	16.574	161.7	1.885	1521.6	13.120	2.15	27.0	
268	268	15.25	36.051	3.97			5	26.768	15.148	156.2	1.968	1520.6	16.124	2.15	27.0	
278	278	12.25	35.821	3.72			8	26.998	12.168	145.3	1.2305	1519.9	23.088	2.15	27.0	
287	287	10.81	35.264	3.17			15	27.180	9.996	106.4	1.3716	1502.4	30.087	2.15	27.0	
297	297	8.78	35.070	3.15			20	27.351	7.826	88.9	1.4701	1495.7	38.301	2.15	27.0	
300	300	6.49	34.975	3.05			21	27.463	6.533	78.0	1.5226	1492.9	45.817	1.77	34.7	
304	304	5.90	34.980	3.05			21	27.604	6.000	74.1	1.5510	1492.6	56.599	1.86	34.7	
306	306	4.83	35.006	3.07			18	27.740	5.736	65.1	1.6627	1491.9	63.927	2.26	32.3	
307	307	4.34	34.998	3.07			15	27.787	4.658	59.8	1.7219	1489.3	70.567	1.86	34.7	
308	308	4.27	34.996	3.07			16	27.787	4.265	47.1	1.8187	1488.3	78.697	1.86	34.7	
309	309	4.00	34.992	3.07			16	27.803	3.936	45.0	1.8658	1490.3	82.997	1.86	34.7	
310	310	4.00	34.992	3.07			15	27.803	3.936	45.0	1.8891	1491.9	89.776	1.65	34.7	
311	311	4.00	34.988	3.07			15	27.817	3.803	45.0	1.9123	1491.5	93.303	1.55	34.7	
312	312	3.92	34.986	3.07			14	27.817	3.803	45.0	1.9355	1493.5	96.980	1.78	34.7	
313	313	3.92	34.985	3.07			14	27.818	3.786	45.0	1.9587	1493.7	100.706	1.20	34.7	

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	397	11-11-74	22-2	20 12-2 N	73 38-5 W	1680						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.59	36.136	4.79		2	24.040	25.590	38.2	0.000	1527.5	0.000	3.93	15.3
2	2	25.35	36.134	4.83		2	24.138	25.344	37.1	0.022	1537.4	0.121	3.70	19.0
4	4	24.83	36.436	5.01		1	24.501	24.819	34.5	0.179	1536.8	0.447	3.29	18.2
9	9	24.48	36.520	4.82		1	24.674	24.459	33.4	0.346	1536.9	1.179	3.39	19.1
138	138	23.08	36.638	4.59		1	25.180	23.051	28.5	0.470	1534.3	3.179	5.98	10.0
158	158	22.39	36.674	4.49		1	25.406	22.358	26.1	0.529	1533.0	4.016	5.47	11.0
178	178	21.81	36.707	4.44		1	25.556	21.774	24.7	0.574	1531.8	4.902	6.87	11.0
198	198	21.13	36.852	4.27		1	25.856	21.091	22.0	0.624	1530.6	5.805	6.12	9.8
208	208	20.74	36.867	4.07		1	26.015	20.709	20.1	0.649	1529.7	6.233	4.03	10.8
218	218	20.33	36.788	4.15		1	26.066	20.289	20.4	0.667	1528.7	6.707	4.03	12.7
247	247	19.13	36.639	4.31		1	26.299	19.085	18.6	0.727	1525.7	8.061	3.69	16.3
297	297	17.15	36.510	4.37		2	26.480	17.858	16.7	0.812	1522.9	10.530	2.84	21.2
346	397	14.08	36.326	4.47		3	26.724	16.016	14.7	0.963	1518.8	16.050	2.11	28.1
396	497	11.26	36.252	4.28		6	26.849	14.186	13.0	1.108	1514.2	22.500	2.11	22.1
593	594	11.69	35.886	3.78		10	27.051	11.612	11.8	1.236	1506.7	29.492	2.29	26.2
692	696	9.97	35.476	3.22		15	27.192	9.887	10.5	1.348	1500.0	36.808	2.52	23.8
791	795	7.88	35.259	3.38		19	27.357	7.797	8.8	1.445	1495.5	44.114	2.59	27.1
919	925	6.34	35.082	3.44		21	27.521	6.224	7.1	1.549	1491.4	53.132	1.79	30.7
1019	1026	5.37	34.970	4.05		21	27.621	5.283	6.1	1.615	1489.3	59.811	1.68	33.8
1119	1127	4.96	34.932	5.70		22	27.655	4.865	5.4	1.673	1489.3	66.219	1.39	37.8
1219	1228	4.72	35.009	5.39		16	27.748	4.617	5.0	1.726	1490.0	72.589	1.29	41.1
1319	1329	4.54	35.010	5.67		14	27.769	4.430	4.9	1.772	1490.9	79.194	1.16	45.1
1419	1430	4.40	35.006	5.82		14	27.782	4.282	4.8	1.826	1492.0	86.185	1.07	49.1
1519	1531	4.35	35.008	5.83		13	27.789	4.232	4.8	1.851	1492.0	93.849	1.07	53.1
1619	1631	4.27	34.998	5.87		14	27.794	4.170	4.8	1.875	1493.2	97.523	1.07	57.1
1719	1732	4.20	34.998	5.97		14	27.794	4.091	4.7	1.900	1493.7	101.498	1.07	61.1
1819	1833	4.08	34.989	6.03		14	27.803	3.991	4.6	1.924	1494.1	105.613	1.07	65.1

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD	
31	6N	37	398	12-11-77	05	20 51.2 N	73 39.3 W	2090							
DEPTH	PRESS	TEMP	SAL	OX	PO4	PBDS	SIL	SIGMA T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
15	15	25.15	36.24	4.87			2	24.255	25.150	367.6	.000	1536.6	.000	9.45	17.7
25	25	25.10	36.24	4.95			2	24.346	25.098	360.1	.0875	1537.0	.118	9.21	15.7
50	50	24.96	36.29	5.13			2	24.429	24.949	353.5	.1770	1537.9	.158	9.00	15.4
100	100	24.76	36.50	4.89			1	24.671	24.786	332.7	.3490	1536.6	.1767	8.74	16.4
140	140	23.62	36.65	4.76			1	25.002	23.587	303.0	.4766	1535.6	.3209	7.13	11.4
180	180	22.67	36.72	4.63			1	25.324	22.587	273.0	.5344	1533.6	.4209	5.42	11.0
200	200	22.17	36.78	4.49			1	25.511	22.134	256.1	.5876	1532.8	.5134	5.65	10.6
210	210	21.70	36.82	4.39			1	25.714	21.660	237.6	.6372	1532.1	.6098	5.22	10.7
220	220	21.03	36.85	4.13			1	25.944	20.989	216.0	.6599	1529.3	.6576	4.73	12.7
250	250	19.12	36.88	4.14			1	26.056	20.478	205.7	.6811	1529.3	.7043	4.47	13.7
300	301	18.12	36.90	4.23			1	26.265	19.074	186.6	.7403	1525.7	.8464	3.22	17.6
350	350	18.12	36.92	4.30			2	26.445	18.067	171.1	.8302	1523.6	1.0991	2.42	24.8
400	401	16.76	36.93	4.31			2	26.623	16.693	157.2	.9953	1521.0	1.6885	1.55	39.4
500	502	13.82	36.92	3.68			3	26.896	13.747	132.4	1.1411	1512.8	2.3555	0.93	62.8
550	602	11.31	35.90	3.22			1	27.086	11.233	114.5	1.2642	1505.4	3.0453	0.50	100.2
600	703	10.14	35.72	3.22			1	27.295	9.110	84.0	1.3714	1495.1	3.7456	0.31	150.2
700	803	7.44	35.08	3.27			2	27.595	7.159	64.0	1.4632	1493.9	4.4597	0.16	227.8
800	904	6.25	34.91	3.79			2	27.905	5.167	48.8	1.5344	1490.6	5.1753	0.08	371.4
900	995	5.45	34.88	4.64			2	27.944	5.365	45.4	1.6012	1489.1	5.7166	0.05	453.5
1000	1096	5.10	34.97	4.76			2	27.675	5.009	41.9	1.6599	1489.4	6.2447	0.03	500.5
1100	1197	4.69	34.98	5.17			1	27.732	4.789	37.7	1.7148	1489.7	6.8465	0.03	571.5
1200	1299	4.46	35.00	5.49			1	27.753	4.502	33.5	1.7665	1490.8	7.4455	0.03	623.0
1300	1399	4.25	35.00	5.61			1	27.771	4.239	29.6	1.8166	1491.8	8.0466	0.03	673.0
1400	1500	4.03	34.99	5.76			1	27.880	4.027	25.6	1.8669	1493.1	8.6306	0.03	715.0
1500	1601	3.83	34.98	5.88			1	27.787	3.817	21.5	1.9173	1494.5	9.2006	0.03	757.0
1600	1703	4.03	34.99	5.89			1	27.787	3.817	21.5	1.9173	1494.5	9.2006	0.03	757.0
1700	1805	4.03	34.99	6.09			1	27.798	3.817	21.5	1.9173	1494.5	9.2006	0.03	757.0
1800	1905	4.03	34.99	6.09			1	27.798	3.817	21.5	1.9173	1494.5	9.2006	0.03	757.0
2000	2108	4.03	34.99	6.09			1	27.798	3.817	21.5	1.9173	1494.5	9.2006	0.03	757.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH							
31	6N	37	399	12-11-70	2.7	20 1.0 N	73 43.7 W	3566							
DEPTH	PRESS	TEMP	SAL	BX	P04	PHSS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.36	36.222	524		2	2	24.174	25.360	375.4	.000	1537.0	.000	1.26	17.6
25	25	25.39	36.216	537		2	2	24.162	25.384	377.7	.0906	1537.5	.121	4.19	14.3
74	74	24.97	36.404	510		2	2	24.436	24.954	353.9	.2703	1537.5	1.018	5.09	11.8
124	124	24.02	36.566	483		1	1	25.848	23.994	316.9	.4385	1536.3	2.700	6.90	9.8
173	173	22.30	36.665	453		1	1	25.426	22.265	283.9	.5813	1533.0	4.841	4.90	12.2
198	198	22.00	36.803	477		1	1	25.617	21.960	246.8	.6454	1532.8	6.058	5.03	11.9
208	208	21.76	36.819	466		1	1	25.697	21.719	239.6	.6699	1532.3	6.566	6.87	8.7
228	228	20.54	36.768	458		1	1	25.994	20.496	211.8	.7152	1529.4	7.577	5.18	11.6
257	257	19.15	36.604	428		1	1	26.237	19.103	189.5	.7737	1525.9	9.027	3.93	15.2
297	297	18.19	36.538	441		2	2	26.432	18.138	172.2	.8465	1523.7	11.086	3.04	19.8
346	347	17.21	36.403	441		2	2	26.571	17.151	160.4	.9284	1521.5	13.783	2.60	24.0
396	397	16.48	36.279	440		3	3	26.651	16.445	154.2	1.0076	1520.9	16.792	2.75	22.7
435	437	14.16	35.882	395		6	6	26.867	14.046	135.2	1.1275	1513.9	23.340	2.90	20.7
594	597	11.12	35.402	333		12	12	27.099	11.044	112.9	1.2755	1504.6	30.204	2.41	20.8
693	696	9.20	35.176	333		15	15	27.256	9.121	97.9	1.3807	1499.0	37.121	2.38	25.2
792	796	7.09	34.949	348		21	21	27.398	7.032	82.9	1.4749	1492.3	43.972	2.12	28.2
891	896	6.14	34.943	401		22	22	27.521	6.038	71.0	1.5479	1490.2	50.596	1.93	31.1
990	996	5.45	34.962	451		21	21	27.623	5.433	61.4	1.6141	1489.1	56.974	1.73	44.5
1249	1258	4.61	34.956	539		18	18	27.750	4.506	50.5	1.7605	1490.0	73.657	1.60	53.9
1446	1457	4.46	34.998	580		16	16	27.770	4.339	50.4	1.8611	1492.7	87.613	1.51	67.9
1542	1555	4.42	34.999	546		15	15	27.776	4.270	50.7	1.9102	1494.2	95.179	1.46	82.1
1640	1654	4.41	35.004	589		14	14	27.782	4.094	51.2	1.9608	1495.8	103.477	1.57	105.3
1839	1850	4.25	34.995	580		15	15	27.797	4.055	51.6	2.0613	1498.4	121.463	1.29	140.9
2026	2045	4.23	34.994	582		15	15	27.809	3.955	53.7	2.1636	1501.5	141.853	1.04	187.9
2219	2240	4.18	34.998	632		14	14	27.805	3.824	54.7	2.3224	1506.3	177.455	1.00	247.8
2411	2440	4.16	34.987	605		15	15	27.805	3.824	57.8	2.4911	1511.2	220.471	1.11	336.8
2590	2640	4.20	34.987	605		15	15	27.805	3.852	61.0	2.6696	1516.4	271.435	1.05	465.6
2802	2842	4.15	34.987	552		15	15	27.810	3.852	63.0	2.8558	1521.7	320.615	1.00	680.0
3000	3046	4.12	34.987	552		15	15	27.810	3.860	66.1	3.0532	1526.7	358.800	1.00	911.0

COUNTRY 31 SHIP 6N CRUISE 37 STATION 400 DATE 12 11 74 GMT 6.7 LATITUDE 19 53.5 N LONGITUDE 73 51.3 W DEPTH 3060

DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	112	5.86	35.871	4.95		2	23.755	25.860	415.4	0.000	1537.8	0.00	1.00	57.9
5	110	5.87	35.862	4.93		2	23.746	25.864	417.3	0.001	1538.2	0.134	6.46	5.3
7.5	107	5.88	36.422	4.94		1	24.398	25.124	357.5	0.004	1538.0	1.061	3.79	15.8
123	123	24.61	36.500	5.03		1	24.621	24.583	388.5	0.615	1537.6	2.776	5.41	11.1
173	157	22.71	36.604	4.78		1	25.086	23.284	296.4	0.628	1535.4	5.164	5.53	10.9
197	197	22.39	36.741	4.61		1	25.319	22.670	275.2	0.686	1534.4	6.467	6.67	9.0
207	207	21.49	36.741	4.61		1	25.460	22.348	262.2	0.716	1533.8	7.025	6.69	9.0
227	227	19.81	36.780	4.77		1	25.744	21.445	255.9	0.767	1531.9	8.135	6.49	9.2
257	257	18.09	36.704	4.17		1	26.142	19.818	198.8	0.832	1527.8	9.753	5.02	12.0
257	257	17.34	36.536	4.43		2	26.456	18.038	169.9	0.904	1523.5	11.848	2.44	24.6
347	348	16.03	36.412	4.15		3	26.547	17.281	162.8	0.990	1521.9	14.607	3.07	19.6
357	358	13.83	36.154	4.07		4	26.688	15.976	150.4	1.068	1518.6	17.607	2.64	22.7
497	499	13.98	35.824	3.62		6	26.892	13.757	132.6	1.211	1512.8	24.098	2.79	22.1
558	601	10.98	35.384	3.18		12	27.110	10.904	111.8	1.335	1504.2	31.034	2.38	25.2
658	701	7.46	35.166	3.28		17	27.264	9.021	97.0	1.440	1493.9	38.004	1.94	31.0
758	802	6.69	34.961	3.29		21	27.355	7.379	87.7	1.534	1493.9	45.142	1.01	34.9
857	902	5.69	34.948	3.67		23	27.465	5.514	77.4	1.616	1492.2	52.305	2.01	27.7
957	1003	5.67	34.958	4.90		23	27.593	5.581	64.5	1.688	1490.1	53.255	2.19	23.4
112	1119	5.07	34.996	5.09		19	27.696	4.974	55.2	1.758	1489.6	66.787	1.22	43.4
112	1170	4.97	35.007	5.23		17	27.717	4.870	53.6	1.785	1490.1	70.002	0.96	62.6
135	1372	4.58	35.087	5.69		15	27.763	4.465	50.5	1.890	1491.8	83.647	0.44	139.4
155	1574	4.46	34.987	5.75		15	27.770	4.328	51.6	1.999	1494.7	99.146	0.64	19.0
166	1675	4.35	34.991	5.74		16	27.778	4.209	51.5	2.048	1495.9	107.825	0.53	112.6
178	1776	4.325	34.996	5.71		16	27.786	4.175	51.8	2.098	1497.5	117.055	0.51	117.3
191	1979	4.230	34.995	5.89		16	27.797	4.061	52.4	2.208	1500.4	137.340	0.36	153.6
225	2285	4.125	34.985	5.89		16	27.803	3.921	54.3	2.369	1505.1	172.924	0.17	349.2
250	2588	4.115	34.984	5.85		16	27.801	3.939	57.7	2.536	1510.4	215.272	0.15	113.9
258	2831	4.115	34.999	5.83		17	27.822	3.852	58.4	2.713	1515.3	264.599	0.14	19.1
300	3096	4.110	34.985	5.85		17	27.810	3.864	61.7	2.835	1518.9	302.251	0.00	1.0

COUNTRY SHIP STATION DATE TIME SM LATITUDE LONGITUDE DEPTH
 31 62 401 12-11-72 5.7 19.49.1 N 74.00 W 3155

DEPTH	PRESS	TEMP	SAL	FX	FB4	FB8	SIL	SIGMA- THETA	THETA	DELTA	DYN HT	SND VEL	POI EN	V FREQ	PERIOD
1		26.03	35.767	4.76				23.630	26.025	428.4	.0000	1538.5	.000	5.19	11.6
24	24	26.31	35.774	4.43				23.856	26.299	409.9	.1008	1539.5	.370	2.76	21.7
42	42	26.72	35.162	5.01				23.897	25.704	405.3	.2029	1538.3	1.002	3.78	15.9
73	73	25.58	35.995	4.72			1	24.006	25.558	396.0	.2993	1539.0	1.841	7.12	18.4
97	97	25.20	36.080	4.61			1	24.393	25.173	360.2	.3903	1538.8	2.852	6.25	9.6
121	121	24.43	36.436	4.54			1	24.703	24.398	331.8	.4771	1537.6	4.035	6.80	8.8
146	146	23.42	36.535	4.35			1	25.056	23.384	299.1	.5531	1535.6	5.260	7.44	8.1
170	170	22.24	36.603	4.22			1	25.477	22.201	260.0	.6204	1533.2	6.512	7.44	11.0
194	194	21.07	36.708	4.03			2	25.856	21.060	223.9	.6815	1531.3	7.935	8.35	-63.4
219	219	20.09	35.849	4.43			2	23.659	26.064	425.7	.0606	1538.7	1.600	3.96	15.2
245	245	20.67	35.990	5.01			2	23.909	25.653	404.2	.2685	1538.7	2.652	5.65	10.6
274	274	20.16	36.438	4.72			1	24.407	25.133	359.0	.4560	1538.9	4.535	6.60	9.1
299	299	20.29	36.610	4.61			1	25.100	23.254	295.2	.6201	1535.4	6.999	6.22	9.7
323	323	21.88	36.570	4.54			1	25.406	22.350	267.0	.6907	1533.6	8.343	7.98	7.5
348	348	21.05	36.748	4.47			1	25.607	21.838	248.2	.7664	1532.7	9.883	6.08	9.9
373	373	19.75	36.747	4.35			1	25.840	21.005	226.7	.8286	1530.7	9.952	5.56	10.8
398	398	18.44	36.480	4.22			1	26.131	19.732	199.8	.9041	1527.7	11.555	4.62	13.0
423	423	17.60	36.470	4.10			2	26.396	18.407	175.6	.9884	1524.6	13.705	3.76	21.7
448	448	16.67	36.470	4.16			2	26.513	17.600	166.2	.9884	1523.0	16.495	3.10	19.3
473	473	15.82	36.479	4.16			3	26.661	16.604	153.5	1.0688	1520.7	19.565	2.80	21.4
498	498	15.00	35.523	3.80			3	26.887	13.777	133.1	1.2131	1512.9	26.148	2.88	20.8
523	523	14.50	35.323	3.18			12	27.116	10.825	111.1	1.3349	1503.9	32.940	2.15	27.9
548	548	13.90	35.153	3.18			16	27.242	9.270	99.5	1.4410	1499.7	39.967	2.03	29.6
573	573	13.17	34.763	4.54			21	27.666	5.006	57.7	1.7530	1489.4	68.954	1.78	44.1
598	598	12.41	34.955	5.00			17	27.765	4.363	49.1	1.8600	1490.1	79.958	.66	90.5
623	623	11.65	34.996	5.80			14	27.796	4.078	48.5	2.0077	1494.1	101.826	.52	115.6
648	648	10.89	34.994	5.80			14	27.802	4.009	48.8	2.0570	1495.5	110.143	.15	139.7
673	673	10.15	34.993	5.87			14	27.803	3.995	50.8	2.1580	1498.9	128.764	.31	193.1
698	698	9.40	34.992	5.87			14	27.807	3.950	52.3	2.2631	1502.2	150.343	.17	356.6
723	723	8.66	34.988	5.86			16	27.807	3.926	54.3	2.3714	1505.5	174.816	.07	510.4
748	748	7.91	34.989	5.86			16	27.807	3.926	57.5	2.4548	1509.8	217.803	.34	776.4
773	773	7.16	34.986	5.86			15	27.812	3.949	59.6	2.7205	1516.6	268.432	.12	119.3
798	798	6.41	34.987	5.86			16	27.813	3.959	62.3	2.8764	1523.3	317.040	.00	19.0

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COUNTRY SHIP STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 6N 402 12-11-74 15:7 19 42.0 N 74 8.7 W 3670

DEPTH	PRESS	TEMP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	26.17	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	423.6	.0000	1538.5	.000	1.40	43.0
5	5	26.23	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	426.1	.1023	1539.1	.136	3.39	17.7
75	75	26.18	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	411.0	.3119	1540.0	1.200	3.00	20.0
124	124	25.63	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	400.0	.5111	1539.5	3.223	7.57	7.9
174	174	24.04	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	315.3	.6905	1537.2	5.907	7.81	7.9
199	199	22.89	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	270.1	.7639	1534.2	7.303	6.80	8.8
209	209	22.13	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	256.5	.7904	1533.2	7.856	6.21	9.7
229	229	21.24	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	234.1	.8397	1531.2	8.960	6.28	9.6
259	259	19.91	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	199.5	.9050	1528.2	10.586	4.62	13.0
298	299	18.35	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	175.9	.9786	1524.2	12.678	3.14	19.1
348	349	17.37	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	162.9	1.0638	1523.1	15.492	3.89	20.8
398	399	16.25	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	152.1	1.1431	1521.5	18.518	3.09	29.4
497	499	13.10	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	126.7	1.2820	1510.2	24.835	2.16	27.8
597	600	11.75	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	115.5	1.4040	1506.0	31.658	2.14	28.0
696	699	7.89	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	104.2	1.5136	1501.2	38.909	2.45	24.4
796	800	6.12	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	88.1	1.6106	1494.4	46.304	2.36	25.4
895	900	5.27	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	73.1	1.6912	1490.2	53.266	2.08	28.8
994	1000	5.43	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	61.6	1.7585	1488.8	59.775	1.79	33.5
997	1003	5.43	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	61.6	1.7585	1488.8	59.775	1.79	33.5
1148	1156	4.77	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	53.5	1.8479	1489.0	69.582	.99	60.4
1350	1360	4.46	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	49.8	1.9534	1491.1	83.114	.74	80.9
1450	1461	4.39	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	49.3	2.0036	1492.5	90.349	.59	108.0
1550	1563	4.30	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	49.4	2.0536	1493.8	98.073	.41	148.0
1958	1772	4.26	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	50.6	2.1585	1497.0	115.963	.27	223.3
2155	2176	4.16	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	54.0	2.3698	1503.4	148.743	.29	204.3
2554	2582	4.13	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	57.0	2.5954	1510.1	213.715	.22	276.9
2952	2987	4.22	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	62.0	2.8368	1517.3	282.623	.35	273.9
3351	3394	4.16	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	64.0	3.0946	1524.0	366.793	.11	152.9
3649	3698	4.21	37	402	12-11-74	15:7	19 42.0 N	74 8.7 W	3670	68.0	3.2966	1529.3	440.059	.00	1.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	403	12 11 74	212	19 39.1 N	74 20.2 W	3899						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	26.07	35.738	5.13		2	26.040	26.040	430.3	1.000	1538.1	1.008	1.26	47.8
24	24	26.07	35.733	5.00		2	23.587	26.065	432.5	1.094	1538.6	1.128	2.31	25.9
77	77	26.28	35.927	5.35		2	23.671	26.263	426.9	1.3104	1540.0	1.172	6.46	9.3
122	122	25.06	36.224	4.67		2	24.321	25.033	367.1	1.5082	1538.4	1.172	6.43	9.3
171	171	23.99	36.628	4.53		1	24.566	23.954	307.8	1.6713	1536.6	1.534	8.52	7.0
196	196	21.82	36.636	4.25		1	25.541	21.781	253.9	1.7418	1532.1	1.851	7.75	7.7
205	205	21.51	36.748	4.33		1	25.713	21.469	237.9	1.7640	1531.6	1.938	6.30	9.5
255	255	20.44	36.698	4.50		1	25.869	20.417	214.7	1.8095	1529.1	1.937	5.25	11.4
255	255	18.54	36.718	4.44		1	26.123	19.049	190.9	1.8706	1527.1	1.806	3.64	16.5
294	294	18.40	36.543	4.35		1	26.383	18.348	176.8	1.9427	1524.3	1.830	3.13	19.1
344	344	17.46	36.435	4.48		2	26.655	17.401	163.9	1.10284	1522.3	1.624	2.94	20.4
393	393	16.27	36.230	4.10		3	26.863	16.206	152.8	1.1065	1519.3	1.759	2.44	24.6
492	492	14.31	35.880	3.72		6	26.834	14.236	138.4	1.2516	1514.3	2.4125	3.04	19.8
692	692	11.28	35.434	3.30		12	27.034	11.204	113.5	1.3785	1505.2	3.1123	2.99	17.4
692	692	7.04	35.154	3.18		16	27.219	10.241	101.5	1.4869	1499.4	3.8238	2.47	24.3
792	792	7.04	34.910	3.98		22	27.314	6.962	85.0	1.5809	1492.1	4.5368	2.40	25.0
891	891	5.92	34.929	3.93		23	27.533	5.839	69.4	1.6581	1489.3	5.2004	1.89	31.7
991	991	5.29	34.951	4.44		22	27.634	5.204	60.0	1.7235	1488.5	5.8304	1.37	43.7
1202	1210	4.73	35.008	5.52		15	27.755	4.629	50.7	1.8415	1489.8	7.519	0.5	91.8
1402	1413	4.82	35.001	5.57		15	27.765	4.402	50.5	1.9440	1492.2	8.5250	0.8	124.5
1606	1617	4.41	34.996	5.79		14	27.755	4.274	51.4	2.0482	1495.2	10.1408	0.5	140.5
2108	2128	4.28	34.988	5.76		15	27.786	4.126	52.0	2.1541	1498.0	12.0025	0.3	192.8
2513	2540	4.25	34.985	5.72		16	27.791	4.041	54.4	2.23172	1502.9	15.2959	0.5	170.9
2917	2951	4.15	34.982	5.91		15	27.801	3.930	57.2	2.3469	1509.5	17.926	0.6	230.6
3718	3769	4.14	34.980	5.85		16	27.805	3.870	60.6	2.4783	1516.4	20.7088	1.1	568.8
3716	3769	4.18	34.977	5.75		16	27.805	3.865	68.0	3.0461	1523.5	25.1088	0.4	277.9
3815	3868	4.22	34.980	5.77		17	27.809	3.858	68.0	3.3173	1530.5	35.8028	0.3	161.0
			34.976	5.75		17	27.815	3.845	69.9	3.3874	1532.3	48.352	0.0	1.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
31	6N	37	404	13 11 74	5.5	19 39.2 N	74 36.9 W	4020						
DEPTH	PRESS	TEMP	SAL	BX	PBS	SIL	SIGMA	THETA	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
1	1	26.06	35.848	4.95		2	23.675	26.060	42.9	0.000	1538.2	0.000	1.56	38.5
25	25	26.12	35.846	4.93		2	23.656	26.114	42.5	0.021	1538.6	0.136	1.07	55.8
74	74	26.16	35.882	5.21		2	23.674	26.113	42.6	0.313	1539.7	1.197	3.44	17.5
124	124	25.97	36.048	4.85		2	23.863	25.942	41.9	0.212	1540.3	3.315	8.50	7.1
199	199	23.65	36.632	4.46		1	25.011	23.613	39.7	0.708	1536.3	5.981	7.93	9.5
209	209	22.14	36.712	4.43		1	25.509	22.108	25.7	0.708	1533.0	7.318	6.30	8.9
229	229	21.70	36.714	4.46		1	25.634	21.658	24.5	0.791	1532.1	7.846	6.76	12.5
259	259	20.63	36.706	4.39		1	25.923	20.586	21.8	0.827	1529.6	8.890	4.80	11.8
299	299	19.62	36.636	4.36		2	26.140	19.572	19.0	0.937	1527.3	10.460	5.09	21.3
348	348	17.94	36.458	4.21		3	26.464	17.888	16.2	0.997	1523.9	12.566	2.82	21.3
398	398	17.01	36.356	4.31		3	26.583	16.951	15.2	1.067	1520.9	15.244	2.74	24.4
498	498	15.88	36.156	4.29		4	26.696	15.816	14.6	1.138	1518.1	18.219	2.46	24.4
599	599	13.26	35.630	3.58		7	26.866	13.189	13.5	1.284	1510.7	24.744	2.77	21.7
699	699	11.12	35.390	3.28		11	27.090	11.044	11.9	1.408	1504.7	31.814	2.22	21.1
799	799	9.46	34.920	3.20		15	27.223	9.379	10.5	1.514	1500.1	39.021	2.35	25.5
899	899	7.99	34.558	3.38		22	27.362	7.309	8.6	1.614	1493.6	46.328	2.99	27.4
999	999	5.54	34.920	3.88		22	27.492	5.446	7.4	1.626	1489.6	53.354	1.92	23.1
1028	1028	5.15	34.920	4.18		22	27.592	5.451	6.4	1.726	1489.6	60.153	2.55	23.5
1279	1279	4.60	34.943	5.50		22	27.644	5.062	5.2	1.787	1488.5	62.045	1.26	47.6
1461	1461	4.46	35.002	5.67		15	27.756	4.493	5.3	1.915	1490.5	78.377	1.57	10.4
1580	1580	4.41	34.994	5.71		14	27.772	4.335	5.6	2.026	1493.3	93.031	0.36	167.8
1778	1778	4.21	34.984	5.59		14	27.773	4.276	5.1	2.037	1494.8	101.091	0.57	105.8
2370	2370	4.17	34.982	5.79		17	27.785	4.089	5.1	2.037	1497.4	118.969	0.25	171.8
2566	2566	4.135	34.978	5.79		15	27.795	3.980	5.4	2.390	1503.8	162.513	0.27	218.8
3005	3005	4.150	34.970	5.73		16	27.807	3.904	6.1	2.659	1510.4	217.925	0.09	628.5
3362	3362	4.185	34.970	5.79		17	27.801	3.874	6.9	2.669	1517.2	287.115	0.19	317.7
3758	3758	4.220	34.972	5.82		17	27.801	3.862	6.5	3.143	1524.2	371.625	0.13	475.0
3936	3936	4.250	34.974	5.72		17	27.802	3.848	6.6	3.382	1531.3	472.681	0.11	568.2
						17	27.802	3.852	7.1	3.533	1534.8	529.883	0.00	1.0

COUNTRY 31 SHIP 6N CRUISE 37 STATION 405 DATE 13-11-74 GMT 9.6 LATITUDE 19 37.8 N LONGITUDE 74 52.5 W DEPTH 3950

DEPTH	PRESS	TEMP	SAL	OX	PO4	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	26.06	36.003	4.80				23.772	26.060	411.9	0.000	1538.4	0.000	1.59	37.8
25	25	26.11	35.996	5.05				23.773	26.104	414.8	0.034	1538.9	0.133	1.06	56.7
50	50	26.08	35.993	4.78				23.781	26.069	415.2	0.034	1539.3	0.532	1.31	46.0
75	75	26.10	36.017	4.70				23.795	26.083	415.1	0.374	1539.7	1.198	0.90	67.0
100*	100	26.09	36.002	4.70				23.789	26.067	416.9	0.416	1540.1	2.132	4.72	12.7
125	125	25.96	36.181	4.50				23.966	25.932	401.2	5.141	1540.4	3.310	9.29	6.5
150	150	24.66	36.554	4.39				24.652	24.627	336.9	6.067	1538.2	4.603	8.63	7.0
175	175	22.91	36.653	4.23				25.262	22.874	281.5	6.843	1534.5	5.886	6.37	9.4
200*	200	21.87	36.685	4.18				25.564	21.830	251.8	7.512	1532.3	7.167	5.32	11.3
225	225	20.04	35.977	4.80				23.772	26.060	413.7	0.000	1538.4	1.977	1.31	45.8
250	250	26.10	35.974	5.05				23.779	26.094	416.1	0.069	1538.9	2.109	1.84	71.2
275	275	26.08	35.974	4.78				23.770	26.063	417.4	0.355	1539.6	3.177	2.18	27.5
300*	300	26.00	36.039	4.70				23.846	25.972	412.6	0.635	1540.4	5.302	8.65	6.9
325	325	23.48	36.597	4.50				25.034	23.014	301.4	0.725	1535.9	7.981	7.84	7.7
350	350	22.03	36.676	4.39				25.621	21.960	256.0	0.825	1532.7	9.317	6.82	8.8
375	375	21.53	36.696	4.23				25.668	21.489	242.3	0.875	1531.6	9.842	7.64	7.9
400*	400	20.28	36.732	4.16				26.037	20.736	207.8	0.928	1528.7	10.858	5.58	10.8
425	425	19.75	36.590	4.23				26.329	18.703	180.7	0.913	1524.8	12.322	3.65	16.4
450	450	17.70	36.461	4.26				26.495	17.648	166.2	0.913	1522.3	14.318	3.28	18.3
475	475	16.66	36.294	4.26				26.619	16.602	155.7	1.051	1519.8	14.318	2.46	24.4
500*	500	15.07	36.028	3.87				26.780	15.008	141.2	1.132	1515.4	17.009	2.32	25.8
525	525	12.70	35.692	3.34				26.951	12.631	126.1	1.206	1508.8	19.872	2.14	28.0
550*	550	10.98	35.375	3.22				27.103	10.904	112.5	1.313	1504.2	22.096	2.38	28.0
575	575	9.30	35.158	3.21				27.226	9.220	101.0	1.461	1499.5	23.951	2.38	25.2
600*	600	7.42	34.977	3.39				27.373	7.339	88.9	1.663	1493.8	27.179	2.17	27.6
625	625	6.22	34.928	3.82				27.499	6.136	73.4	1.743	1490.7	34.173	1.94	30.9
650*	650	5.40	34.926	4.18				27.601	5.312	63.4	1.812	1489.0	40.818	1.28	40.9
675	675	4.52	34.950	5.39				27.758	4.407	50.8	2.012	1491.3	44.617	0.58	10.2
700*	700	4.36	34.984	5.60				27.770	4.230	51.0	2.116	1494.0	49.969	0.57	10.5
725	725	4.23	34.982	5.73				27.785	4.083	51.3	2.288	1494.0	54.179	0.49	10.5
750*	750	4.20	34.984	5.83				27.790	4.043	51.7	2.310	1498.3	117.136	0.38	15.7
775	775	4.16	34.984	5.83				27.797	3.984	52.9	2.376	1501.5	148.333	0.17	35.6
800*	800	4.15	34.979	5.87				27.797	3.943	55.9	2.518	1506.6	185.805	0.22	26.2
825	825	4.140	34.976	5.88				27.799	3.907	56.6	2.716	1511.7	185.805	0.17	26.2
850*	850	4.150	34.974	5.90				27.800	3.891	57.1	2.899	1516.8	230.318	0.14	46.3
875	875	4.170	34.973	5.79				27.801	3.862	61.4	3.090	1523.1	283.625	0.14	46.3
900*	900	4.190	34.974	6.06				27.804	3.832	68.1	3.367	1529.2	345.036	0.05	123.6
925	925	4.230	34.974	5.95				27.804	3.833	71.2	3.581	1534.6	443.866	0.05	123.6
950	950	4.230	34.974	5.95				27.804	3.833	71.2	3.581	1534.6	528.075	0.05	123.6

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH							
31	6N	37	406	13-11-74	17.5	19 53.3 N	75 10.4 W	278							
DEPTH	PRESS	TEMP	SAL	DX	PO4	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
1	1	26.06	35.730	4.51			2	23.586	26.060	431.5	0.000	1538.1	0.000	2.28	26.3
31	21	25.98	35.739	4.73			2	23.619	25.976	428.3	0.082	1538.3	0.097	1.86	32.3
41	41	25.98	35.758	4.87			2	23.641	25.951	428.1	0.1721	1538.6	0.369	3.08	15.5
61	61	26.01	35.857	4.94			2	23.702	25.996	423.3	0.2575	1539.1	0.814	3.35	17.9
81	81	25.93	35.917	4.81			2	23.773	25.912	417.4	0.347	1539.3	1.426	3.71	16.2
100*	100	25.93	36.026	4.85			2	23.857	25.908	410.4	0.4205	1539.8	2.156	5.44	11.0
120	120	25.74	36.196	4.62			2	24.045	25.713	393.4	0.5011	1539.9	3.062	7.75	7.7
140*	140	24.93	36.390	4.56			1	24.427	24.949	357.9	0.5765	1538.6	4.061	6.84	8.8
160	160	24.23	36.506	4.53			1	24.724	24.256	330.4	0.655	1537.5	5.113	6.92	8.7
180*	180	23.48	36.589	4.64			1	25.028	23.442	303.2	0.750	1535.9	6.222	9.93	6.0
190	190	22.42	36.596	4.42			1	25.341	22.381	272.8	0.7379	1533.5	6.768	7.55	7.9
200*	200	21.96	36.662	4.46			1	25.521	21.920	255.9	0.7644	1532.6	7.298	4.39	13.7
210	210	21.75	36.664	4.42			1	25.582	21.708	250.5	0.789	1532.2	7.833	9.97	6.0
220*	220	20.66	36.682	4.62			1	25.896	20.618	220.8	0.8135	1529.5	8.354	7.36	8.2
240	240	19.34	36.670	4.18			1	26.238	19.296	188.8	0.857	1526.2	9.321	5.42	11.1
260*	260	18.20	36.628	4.23			2	26.421	18.154	171.9	0.8910	1523.2	10.249	0.00	11.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	407	13-11-74	18.3	19 50.2 N	75 9.8 W	2362						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	20.94	35.676	4.85		2	23.577	25.960	432.4	.0000	1537.8	.000	1.60	37.5
25	25	25.91	35.679	5.05		2	23.596	25.904	431.7	.1039	1538.1	.138	1.20	50.1
50	50	25.92	35.696	5.88		2	23.607	25.909	431.8	.2120	1538.6	.553	4.67	12.8
80	80	25.95	35.999	4.85		2	23.816	25.972	413.3	.3390	1538.6	1.394	3.92	15.3
100	100	25.95	36.050	4.78		1	23.914	25.878	404.9	.4211	1539.8	2.149	6.84	15.8
120	120	25.58	36.351	4.58		1	24.212	25.553	377.5	.4995	1539.7	3.030	6.37	9.4
140	140	25.00	36.455	4.84		1	24.470	24.969	353.8	.5728	1538.8	4.004	7.53	8.0
160	160	24.14	36.587	4.53		1	24.831	24.106	320.3	.6405	1537.2	5.040	8.46	7.1
180	180	22.85	36.686	4.34		1	25.285	22.813	277.7	.7005	1534.5	6.081	6.77	8.3
190	190	22.43	36.718	4.37		1	25.430	22.391	264.3	.7277	1533.6	6.596	5.94	10.1
200	200	22.07	36.730	4.24		1	25.542	22.030	254.0	.7837	1532.9	7.116	8.78	6.8
210	210	21.24	36.746	4.37		1	25.786	21.199	231.0	.7781	1530.9	7.627	5.44	11.0
220	220	20.84	36.724	4.24		1	25.879	20.797	222.5	.8009	1530.0	8.129	6.00	10.0
250	250	19.43	36.676	4.08		1	26.219	19.384	191.0	.8632	1526.6	9.623	3.41	17.6
300	301	18.36	36.552	4.10		1	26.401	18.307	175.4	.9553	1524.3	12.210	3.11	18.9
400	401	15.81	36.148	4.02		4	26.706	15.746	148.7	1.1184	1517.9	17.995	2.50	24.0
450	452	14.82	35.978	3.93		5	26.798	14.751	140.9	1.1913	1515.4	21.169	2.66	22.6
500	502	13.69	35.796	3.75		6	26.900	13.617	131.9	1.2599	1512.3	24.512	2.17	27.7
673	676	10.82	35.363	4.11		12	27.125	10.735	112.1	1.4726	1504.8	37.169	2.49	24.1
873	878	6.48	34.893	3.67		23	27.441	6.368	78.9	1.6653	1491.1	52.132	2.05	29.2
1073	1080	4.95	34.952	5.07		21	27.675	4.859	56.3	1.8018	1488.4	65.565	1.11	50.3
1273	1282	4.50	34.984	5.30		17	27.753	4.394	50.2	1.9095	1490.0	78.503	.65	108.9
1373	1383	4.430	34.982	5.48		16	27.760	4.016	50.4	1.9604	1491.4	85.436	.60	99.5
1472	1484	4.370	34.984	5.54		15	27.769	4.247	50.4	2.0109	1492.8	92.844	.56	108.0
1572	1585	4.250	34.980	5.64		16	27.775	4.159	50.6	2.0621	1494.1	100.867	.50	110.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	408	13-11-74	20.7	19 48.2 N	75 8.5 W	2853						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.97	35.712	4.74		2	23.601	25.970	430.1	1000	1537.9	1000	2.67	22.4
25	25	25.95	35.774	4.60		2	23.655	25.944	426.0	1029	1538.3	1036	2.85	21.1
50	50	26.00	35.878	5.10		2	23.720	25.989	421.1	1090	1538.9	1543	4.26	14.1
100	100	25.80	36.174	4.56		2	24.009	25.778	395.9	1137	1539.6	2099	6.33	9.5
140	140	24.92	36.488	4.46		1	24.519	24.889	349.1	1562	1538.6	30916	7.04	8.5
160	160	24.11	36.580	4.34		1	24.834	24.076	319.9	1603	1537.1	40944	8.14	7.4
180	180	22.96	36.688	4.26		1	25.255	22.923	290.6	1606	1534.8	50990	8.52	7.0
200	200	21.42	36.718	4.23		1	25.714	21.384	237.4	1726	1531.2	60999	9.23	6.6
210	210	21.32	36.728	4.23		1	25.748	21.028	234.7	1763	1531.1	70997	7.55	8.0
219	219	20.75	36.746	4.08		1	25.910	20.748	219.6	1789	1529.9	70948	5.41	11.1
249	249	20.57	36.680	4.05		2	26.186	19.524	194.2	1832	1527.0	90439	4.44	13.5
300	300	17.98	36.550	4.10		2	26.561	17.928	166.4	1999	1523.2	110967	2.13	28.3
349	349	17.16	36.374	4.15		3	26.678	15.105	161.4	1999	1521.4	170707	2.180	21.3
399	399	16.03	36.184	4.15		4	26.678	13.468	151.4	1010	1518.6	170707	2.82	26.7
499	499	13.54	35.769	4.06		7	26.910	11.085	138.3	1023	1511.8	240200	2.27	26.7
599	599	11.77	35.496	3.29		10	27.051	11.691	118.3	1023	1509.5	310200	2.27	26.7
698	698	11.02	35.262	3.19		14	27.190	11.916	115.4	1023	1502.2	38065	2.46	26.7
798	798	10.02	34.952	3.22		21	27.339	7.439	109.3	1023	1494.1	460161	2.16	26.7
1015	1015	5.35	34.940	4.32		22	27.617	5.271	62.1	1741	1489.1	61081	1.39	43.2
1215	1215	4.67	34.968	4.97		22	27.724	4.568	59.0	1804	1489.7	74059	1.93	64.3
1416	1416	4.40	34.987	5.55		29	27.767	4.282	50.1	1952	1492.0	88097	4.49	21.3
1516	1516	4.35	34.986	5.55		17	27.773	4.223	50.5	1952	1493.4	96084	5.59	10.9
1617	1617	4.26	34.982	5.55		16	27.789	4.125	50.8	2061	1494.7	103085	5.39	10.9
1817	1817	4.21	34.981	5.75		16	27.789	3.956	51.8	2077	1497.9	123025	5.39	15.2
2018	2018	4.17	34.982	5.98		16	27.794	3.956	53.0	2174	1501.1	144025	5.09	16.3
2219	2219	4.17	34.978	5.80		15	27.792	3.981	53.2	2282	1504.6	168085	5.39	15.4
2423	2423	4.15	34.982	5.89		15	27.800	3.939	58.4	2386	1508.0	196027	5.29	15.8
2621	2621	4.120	34.976	5.97		16	27.801	3.884	58.1	2543	1511.2	226020	5.29	16.3
2823	2823	4.140	34.976	6.21		16	27.801	3.881	60.1	2741	1514.7	260086	5.00	17.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
31 6N 37 409 19 11 74 23 2 19 43 2 N 75 6 7 W 35 40

DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	26.10	36.018	4.93		2	23.791	26.100	4.120	0.000	1538.5	0.000	52	11.53
25			36.016	4.87		2								
74	74	26.13	36.032	4.92		2	23.797	26.113	4.149	0.3024	1539.8	1.165	5.50	10.9
124	124	25.40	36.366			2	24.279	25.373	371.2	0.4995	1539.3	3.135	7.48	8.0
173	173	23.21	36.646	4.58		1	25.150	23.174	290.3	0.6621	1535.2	5.559	6.53	9.2
198	198	22.14	36.685	4.60		1	25.488	22.109	259.1	0.7311	1533.0	6.865	6.46	9.3
208	208	21.72	36.703	4.37		1	25.620	21.679	246.8	0.7565	1532.1	7.393	6.24	9.6
228	228	20.96	36.750	4.29		1	25.867	20.916	224.1	0.8038	1530.5	8.448	6.30	9.5
257	257	19.34	36.656	4.15		2	26.228	19.293	190.5	0.8642	1526.5	9.942	4.38	13.7
297	297	17.88	36.482	4.35		2	26.466	17.828	168.8	0.9364	1522.8	11.986	2.67	22.4
346	347	17.00	36.340	4.27		3	26.573	16.942	160.1	1.0175	1520.8	14.653	2.97	20.2
356	357	15.75	36.130	4.09		4	26.705	15.687	148.5	1.0951	1517.6	17.601	2.67	22.4
495	497	13.31	35.708	3.43		8	26.910	13.239	130.4	1.2341	1510.9	23.911	2.30	26.1
534	537	11.66	35.479	3.35		11	27.059	11.582	117.4	1.3577	1506.6	30.786	2.21	27.1
693	696	9.85	35.227	3.16		15	27.188	9.768	105.2	1.4688	1501.5	38.098	2.52	27.8
792	796	7.35	34.928	3.12		22	27.344	7.370	88.3	1.5554	1493.3	45.431	2.15	27.9
891	896	6.08	34.862	3.52		25	27.465	5.998	76.1	1.6476	1489.9	52.509	2.26	26.6
990	996	5.24	34.910	4.19		25	27.607	5.155	62.3	1.7168	1488.2	59.169	1.40	42.7
1292	1241	4.56	34.978	5.13		20	27.741	4.458	51.0	1.8554	1489.5	74.842	0.69	87.3
1432	1443	4.41	34.946	5.52		17	27.765	4.290	50.4	1.9580	1492.3	88.913	0.74	80.9
1532	1544	4.33	34.992	5.76		15	27.780	4.202	49.9	2.0669	1493.6	96.669	0.45	134.2
1632	1646	4.28	34.989			15	27.784	4.143	50.4	2.0596	1495.1	104.954	0.43	140.2
1832	1848	4.205	34.985	5.77		15	27.791	4.044	51.5	2.1629	1498.1	123.409	0.27	221.9
2132	2153	4.1140	34.983	5.76		16	27.795	3.990	54.0	2.2235	1503.1	156.314	0.30	232.5
2432	2463	4.1150	34.980	6.03		16	27.800	3.924	56.4	2.2919	1508.1	196.036	0.20	238.2
2732	2763	4.1165	34.980	6.11		16	27.802	3.891	59.2	2.4684	1513.2	243.180	0.14	428.2
3032	3068	4.1175	34.978	6.33		16	27.803	3.881	62.2	2.8539	1518.4	298.525	0.18	211.7
3332	3374	4.1175	34.982	5.95		16	27.808	3.856	64.6	3.0499	1523.7	362.448	0.32	145.4
3532	3579	4.210	34.976	6.14		16	27.809	3.866	67.3	3.1625	1527.3	410.331	0.00	1.0

COUNTRY 31 SHIP 6N CRUISE 37 STATION 410 DATE 14 11 74 GMT 2.3 19 39.4 N LATITUDE 75 5.3 W LONGITUDE 410.9 DEPTH

DEPTH	PRESS	TEMP	SAL	SX	PO4	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.99	35.952	5.11			2	23.775	25.990	43.4	.000	1538.2	.000	.73	82.0
24															
24															
72	72	26.09	35.940	5.10			2	23.787	26.074	45.7	.2949	1539.7	1.105	4.84	12.4
117	117	25.66	36.003	4.95			2	24.137	25.633	38.4	.4835	1539.8	2.931	8.10	17.4
117	117	23.22	36.285	4.62			2	25.137	23.185	29.1	.6462	1535.1	5.260	7.30	8.2
151	151	22.02	36.633	4.44			1	25.542	21.582	25.3	.7119	1532.6	6.458	8.78	6.8
201	201	21.19	36.712	4.40			1	25.786	21.151	23.0	.7362	1530.6	6.946	5.60	10.7
220	220	20.57	36.752	4.31			1	25.974	20.528	21.3	.7786	1529.3	7.859	4.34	13.8
220	220	19.81	36.710	4.22			1	25.784	19.784	19.8	.8386	1527.7	9.298	4.42	13.6
288	288	18.47	36.566	4.11			1	26.146	18.419	17.6	.9120	1524.4	11.312	3.23	18.6
336	336	17.45	36.436	4.15			2	26.383	17.352	16.3	.9941	1522.1	13.930	3.28	18.3
384	384	15.99	36.186	4.10			2	26.538	15.928	14.9	1.0696	1518.2	16.711	2.76	18.8
482	482	13.49	35.756	3.51			7	26.693	13.421	13.0	1.2075	1511.3	22.794	2.46	21.8
579	579	11.55	35.476	3.31			11	27.077	11.474	11.5	1.3274	1506.0	29.287	2.13	28.1
677	677	10.01	35.275	3.37			14	27.198	9.929	10.4	1.4357	1501.9	36.248	2.34	25.7
775	775	9.93	35.022	3.37			20	27.334	7.849	10.1	1.5317	1495.4	43.376	2.15	28.0
873	873	6.46	34.904	3.66			23	27.449	6.377	7.8	1.6150	1491.1	50.397	2.25	26.7
971	971	5.51	34.924	4.02			24	27.586	5.324	6.4	1.6857	1489.0	57.049	2.07	30.1
1025	1025	5.26	34.985	4.21			24	27.649	5.171	5.9	1.7194	1488.9	60.529	1.87	37.3
1224	1224	4.62	34.976	5.03			21	27.733	4.513	5.1	1.8309	1489.6	73.355	1.96	62.2
1421	1421	4.33	34.995	6.12			27	27.781	4.212	4.8	1.9310	1491.8	86.954	.46	130.2
1618	1618	4.27	34.992	6.16			16	27.790	4.105	4.9	2.0288	1494.7	105.286	.46	170.4
1813	1813	4.17	34.988	6.16			16	27.797	4.007	5.1	2.1500	1499.4	125.856	.39	208.6
2210	2210	4.160	34.990	6.31			15	27.803	3.967	5.4	2.3392	1504.4	163.780	.34	178.4
2507	2507	4.135	34.992	6.37			16	27.611	3.911	5.6	2.5055	1509.3	204.928	.21	190.1
2804	2804	4.135	34.990	5.97			18	27.812	3.878	5.8	2.6794	1514.4	252.099	.09	698.3
3204	3204	4.195	34.982	6.05			18	27.811	3.843	6.7	3.1900	1528.4	422.619	.30	198.9
3599	3599	4.245	34.984	5.75			18	27.823	3.841	7.0	3.4691	1535.6	532.612	.00	.0
3997	3997		34.999	5.80			18								

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	411	14 11 74	6.1	19 32.0 N	75 3.8 W	434.1	423.2	*0000	1537.5	*000	2.22	27.1
1	1	25.78	35.729	4.86	2	23.873	25.780	423.2	*0000	1537.5	*000	2.22	27.1	
24	73	26.25	35.729	5.17	2	23.786	26.233	415.9	.3027	1540.1	1.137	6.20	9.7	
122	122	25.20	36.067	4.56	1	24.384	25.173	361.1	.4936	1538.9	3.009	7.64	7.9	
171	171	22.84	36.652	4.37	1	25.292	22.805	276.6	.6504	1534.3	5.310	6.33	9.5	
196	196	21.82	36.326	4.63	1	25.729	21.781	247.4	.7162	1532.2	6.542	6.14	9.8	
225	206	21.54	36.780	4.22	1	25.729	21.049	236.4	.7405	1531.7	7.043	5.38	10.0	
255	225	20.65	36.740	4.53	1	25.943	20.607	216.6	.7837	1529.6	7.996	5.46	11.0	
294	255	19.37	36.661	4.53	1	26.224	19.323	190.8	.8451	1524.5	9.501	3.83	15.0	
344	295	18.33	36.544	4.50	2	26.402	18.278	175.0	.9169	1524.1	11.514	3.82	15.7	
393	348	16.60	36.284	4.26	3	26.625	16.543	154.8	.9998	1519.5	14.215	3.44	17.5	
433	394	14.86	35.992	3.87	5	26.798	14.800	139.1	1.0723	1514.6	16.915	2.63	22.8	
593	435	12.46	35.601	3.52	9	26.997	12.393	121.3	1.2033	1507.9	22.858	2.37	25.3	
693	596	10.46	35.320	3.26	13	27.153	10.387	107.0	1.3183	1502.2	29.233	1.99	30.2	
793	696	8.85	35.104	3.26	18	27.256	8.773	97.3	1.4213	1497.6	36.011	2.03	31.6	
893	797	7.23	34.892	3.35	22	27.358	7.151	86.8	1.5142	1492.9	43.078	1.91	34.4	
993	898	6.59	34.643	3.58	22	27.462	6.504	77.5	1.5971	1482.0	50.243	2.15	37.9	
1093	999	5.61	34.342	4.10	23	27.568	5.521	65.1	1.6691	1489.8	57.193	2.06	39.1	
1309	1066	5.19	34.378	4.62	21	27.668	5.038	57.5	1.7100	1489.2	61.497	1.80	54.6	
1609	1319	4.65	34.398	5.36	17	27.748	4.540	51.5	1.8477	1491.2	78.194	.80	75.1	
1909	1622	4.25	34.397	5.79	14	27.793	4.115	49.2	2.0007	1494.6	101.133	.54	111.9	
2309	1924	4.16	34.390	5.72	15	27.798	4.017	49.4	2.0507	1495.9	108.677	.24	252.5	
2809	2333	4.135	34.386	5.71	16	27.797	3.973	51.2	2.1527	1499.2	128.729	.09	396.6	
3309	2841	4.100	34.381	5.62	17	27.807	3.887	54.3	2.3669	1505.8	175.490	.09	697.1	
3809	3862	4.125	34.378	5.82	17	27.806	3.868	59.4	2.6561	1514.4	252.287	.16	976.6	
3809	3862	4.218	34.384	5.90	19	27.812	3.836	69.1	3.3120	1532.1	479.508	.00	∞	

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE DEPT-
 31 6N 37 412 10 11 70 10 00 19 23 12 N 75 14 0 3175

DEPTH	PRESS	TEMP	SAL	EX	PHOS	SIL	SIGMA T	THETA	DELTA	DYN HT	SND VEL	POT EN	V PREG	PERIOD
1	1	26.11	36.029	530		2	23.796	26.110	411.5	.000	1538.6	.000	1.00	60.2
5	5	26.12	36.041	532		2	23.803	26.114	411.9	.090	1539.0	.132	1.35	48.1
10	10	26.23	36.101	486		1	23.816	26.119	411.9	.202	1539.7	.189	1.98	61.2
15	15	26.24	36.113	416		1	23.823	26.223	412.4	.305	1540.2	.189	5.54	10.8
100*	100*	25.91	36.238	416		1	24.068	25.888	390.3	.406	1540.0	1.087	8.25	17.3
125	125	24.70	36.520	423		2	24.609	24.673	339.8	.497	1537.9	3.133	6.57	9.1
150*	150*	23.76	36.600	425		2	24.953	23.728	308.1	.578	1536.1	4.273	5.98	10.0
175	175	23.04	36.695	425		2	25.237	23.004	282.1	.652	1534.9	5.502	6.98	8.6
200	200	21.86	36.758	425		2	25.622	21.820	246.3	.712	1532.4	6.770	5.49	10.9
1	1	23.89	35.832	530		2	23.716	23.890	419.1	.050	1537.8	1.690	1.33	31.2
5	5	24.26	35.898	532		2	23.804	24.243	414.9	.364	1540.2	2.884	7.28	8.2
10	10	24.58	36.022	533		2	24.647	24.153	335.7	.552	1537.6	4.760	5.79	10.4
15	15	23.22	36.688	486		1	25.179	23.184	287.6	.708	1535.3	7.132	7.46	10.0
20	20	21.87	36.759	416		1	25.620	21.839	246.5	.775	1532.4	8.414	6.09	9.9
20*	20*	21.88	36.776	423		1	25.903	20.836	220.6	.843	1531.7	9.901	5.90	10.7
25*	25*	19.42	36.645	425		2	26.199	19.372	193.3	.959	1526.7	11.456	4.83	12.4
25*	25*	17.61	36.424	426		2	26.488	17.559	166.7	.978	1522.0	13.519	3.91	15.3
30	30	15.61	36.130	423		2	26.722	15.615	145.3	1.056	1516.6	16.109	2.89	20.8
35*	35*	14.32	35.902	423		6	26.846	14.260	134.3	1.127	1512.9	18.802	2.34	25.6
40	40	14.32	35.612	360		9	27.004	12.402	120.8	1.255	1508.0	24.686	2.26	26.6
50*	50*	12.47	35.302	319		13	27.143	10.402	108.1	1.370	1502.2	31.153	2.30	25.1
55*	55*	10.56	35.028	314		18	27.282	8.484	94.5	1.472	1496.6	37.852	1.77	33.7
75*	75*	7.23	34.928	314		22	27.359	7.170	86.9	1.563	1493.0	44.866	2.17	29.7
90*	90*	6.22	34.914	377		23	27.488	6.137	74.4	1.644	1490.6	51.932	2.02	29.6
95*	95*	5.51	34.914	377		23	27.602	5.122	63.6	1.714	1489.5	58.698	1.44	29.3
100*	100*	4.83	35.013	594		25	27.739	4.724	52.2	1.857	1490.9	75.272	.94	6.1
146*	146*	4.40	35.002	602		15	27.779	4.279	49.3	1.962	1492.5	89.474	.71	8.1
155*	155*	4.26	34.995	602		14	27.790	4.131	48.9	2.015	1493.6	97.052	.58	10.2
165	165	4.20	34.996	623		14	27.798	4.063	48.9	2.061	1498.0	105.193	.37	16.2
184*	184*	4.13	34.986	623		15	27.802	3.974	50.2	2.161	1498.0	123.986	.02	37.0
204*	204*	4.13	34.986	623		15	27.809	3.934	52.4	2.261	1501.4	143.986	.40	17.0
224*	224*	4.08	34.988	579		16	27.809	3.899	53.5	2.371	1504.6	167.644	.21	28.8
244*	244*	4.10	34.982	579		17	27.805	3.888	55.8	2.487	1508.1	194.538	.15	40.6
264*	264*	4.10	34.978	579		17	27.805	3.882	57.8	2.597	1511.5	224.750	.23	26.1
284*	284*	4.11	34.978	615		17	27.808	3.838	62.4	2.763	1516.7	276.909	.24	23.1
311*	311*	4.15	34.978	615		17	27.805	3.854	62.9	2.903	1520.3	316.467	.10	11.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	413	14 11 74	16:3	19 15:2 N	74 57:6 W	2456						
DEPTH	PRESS	TEMP	SAL	DX	PDA	PHOS	SIL	SIGMA*	THETA					
1	1	25.76	35.528	4.80			2	23.527	25.760	.0000	1537.2	.000	1.30	46.0
24	24	25.72	35.526	4.85			2	23.540	25.715	.1007	1537.5	.129	1.503	11.9
49	49	26.08	35.940	4.99			2	23.741	26.089	.127	1539.2	.127	1.503	11.9
97	97	25.32	36.404	4.36			2	24.331	25.329	.3965	1538.7	1.905	7.07	8.5
136	136	23.86	36.638	4.47			1	24.951	23.831	.5281	1536.2	3.452	7.22	8.3
153	153	23.07	36.702	4.33			1	25.232	23.038	.5784	1534.6	4.195	6.01	10.0
176	176	22.28	36.749	4.28			1	25.496	22.244	.6406	1533.1	5.240	6.15	9.7
195	195	20.89	36.764				1	25.895	20.852	.6862	1529.8	6.103	6.16	9.7
205	205	20.36	36.732	4.06			1	26.014	20.321	.7077	1528.5	6.544	2.60	23.1
215	215	20.26	36.724	4.20			1	26.035	20.219	.7286	1528.4	6.995	5.16	11.6
244	244	19.01	36.610	4.40			1	26.277	18.966	.7858	1525.3	8.335	4.80	12.5
293	293	16.60	36.290	4.21			3	26.628	16.552	.8694	1518.7	10.608	3.09	19.4
343	343	15.15	36.043	3.83			5	26.771	15.097	.9427	1514.8	13.002	2.46	24.3
392	392	14.15	35.873	3.75			6	26.859	14.092	1.0100	1512.9	15.534	2.38	25.3
451	451	12.21	35.569	3.32			9	27.021	12.444	1.1353	1506.9	21.178	2.27	25.3
590	590	10.04	35.252	3.17			14	27.173	10.445	1.2466	1500.5	27.321	2.25	26.7
689	689	8.40	35.082	3.08			18	27.308	8.326	1.3444	1495.9	33.718	2.07	29.1
788	788	7.01	34.962	3.05			22	27.419	6.933	1.4305	1492.0	40.220	1.99	30.1
870	870	6.25	34.944	3.77			22	27.507	6.169	1.4937	1490.3	45.599	1.81	33.2
920	920	5.91	34.945	4.04			22	27.552	5.826	1.5291	1489.8	48.856	1.76	34.0
1019	1019	5.26	34.948	4.39			22	27.635	5.172	1.5932	1488.8	55.229	1.65	48.1
1217	1217	4.88	35.001	5.17			17	27.723	4.776	1.7069	1490.6	68.239	1.57	62.1
1415	1415	4.51	35.005				16	27.770	4.391	1.8107	1492.4	82.277	1.50	74.5
1514	1514	4.34	34.998				16	27.783	4.213	1.8607	1493.7	89.812	1.46	91.0
1613	1613	4.255	34.998	5.09			16	27.793	4.120	1.8910	1494.7	97.782	1.41	94.8
1713	1713	4.220	34.990	5.67			15	27.792	4.076	1.9101	1496.2	106.429	1.37	126.7
1912	1912	4.155	34.992	5.84			16	27.802	3.992	2.0628	1499.3	125.553	1.29	173.8
2210	2210	4.125	34.986	5.87			15	27.803	3.943	2.1688	1502.5	147.131	1.23	203.4
2405	2405	4.090	34.983				17	27.807	3.877	2.3293	1507.4	185.058	1.00	291.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	414	14 11 074	19 08	19 6.1 N	74 54.7 W	2229						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	26.00	35.482	4.79		2	23.418	26.000	47.5	0.000	1537.7	0.000	5.66	10.6
25	25	25.77	35.719	4.85		2	23.663	25.764	425.3	0.136	1538.2	0.437	8.55	7.0
98	98	24.51	36.277	5.00		2	24.176	25.090	377.4	0.137	1537.1	0.437	5.75	10.4
138	138	24.51	36.584	4.63		1	24.713	24.489	328.6	0.373	1533.2	1.765	7.29	8.2
158	158	22.61	36.735	4.40		1	25.389	22.582	255.9	0.493	1531.7	3.181	6.21	9.7
177	177	21.86	36.776	4.23		1	25.634	21.828	243.4	0.544	1530.0	3.955	6.03	9.9
197	197	21.08	36.778	4.42		1	25.853	21.046	223.3	0.589	1528.8	4.717	4.64	12.9
207	207	20.51	36.752	4.39		1	25.989	20.472	211.1	0.626	1528.0	5.553	1.45	41.3
217	217	20.42	36.728	4.21		1	25.995	20.381	200.8	0.638	1526.7	5.992	4.82	12.5
247	247	20.10	36.711	4.09		1	26.068	20.059	204.2	0.674	1526.0	6.445	4.24	14.2
296	296	19.24	36.635	4.22		2	26.237	19.195	189.1	0.739	1526.0	7.852	4.51	13.3
345	345	17.57	36.490	4.28		2	26.549	17.519	160.9	0.822	1521.9	10.236	3.29	18.2
355	355	15.93	36.202	4.11		4	26.709	15.914	146.6	0.830	1517.5	12.719	2.47	24.3
494	494	14.93	36.013	3.87		5	26.799	14.869	139.1	0.867	1514.9	15.444	2.29	26.2
592	592	13.20	35.730	3.56		8	26.949	13.130	126.5	1.002	1510.5	21.454	2.73	22.0
691	691	13.85	35.412	3.25		14	27.155	10.776	107.2	1.215	1503.7	27.842	1.97	30.5
790	790	19.01	35.131	3.25		17	27.251	8.932	88.0	1.318	1498.2	34.568	2.15	27.9
		7.53	34.956	3.48		21	27.371	7.449	86.1	1.409	1494.1	41.535	1.85	22.5
		8.37	35.075	3.28		19	27.508	8.293	92.2	1.342	1496.2	35.024	2.12	28.3
		7.59	34.998	3.49		11	27.365	7.511	86.5	1.389	1493.9	39.890	1.85	22.4
		5.16	34.930	4.39		25	27.633	5.068	60.6	1.604	1489.1	59.912	1.29	46.4
		4.74	34.984	5.08		20	27.726	4.634	53.2	1.721	1490.7	73.309	1.17	51.2
		4.505	34.995	5.94		19	27.762	4.391	57.3	1.773	1491.4	80.282	1.18	72.4
		4.345	34.992	5.84		18	27.777	4.224	49.4	1.823	1492.4	87.591	1.45	132.6
		4.310	34.992	5.53		18	27.782	4.180	49.9	1.872	1493.9	95.233	1.40	150.0
		4.240	34.988	5.87		16	27.799	4.092	51.1	1.972	1496.9	112.323	1.48	126.2
		4.175	34.990	5.81		16	27.799	4.088	51.9	2.017	1500.0	132.946	1.30	202.6
		4.140	34.986	5.85		17	27.801	3.954	53.4	2.179	1503.1	153.946	1.00	20.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
31 6N 37 415 15 11 74 19 18 55.8 N 74 51.7 W 1870

DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.50	36.240	4.73		2	24.145	25.500	378.2	0.000	1537.4	0.000	2.81	21.3
24	24	25.41	36.228	4.98		2	24.203	25.405	373.7	0.089	1537.6	0.110	3.65	16.5
49	49	25.26	36.255	4.99		1	24.309	25.249	364.8	0.172	1537.8	0.455	6.70	9.0
98	98	25.270	36.266	4.51		1	25.009	23.629	300.3	0.327	1535.2	1.646	7.14	8.4
138	138	25.78	36.279	4.28		1	25.657	21.753	240.3	0.451	1531.2	2.934	4.08	14.7
157	157	21.44	36.274	4.26		1	25.757	21.379	231.5	0.462	1530.5	3.614	5.025	12.0
177	177	20.85	36.280	4.11		1	25.917	20.816	217.1	0.543	1529.4	4.384	5.235	11.2
197	197	20.02	36.223	4.21		1	26.098	19.983	200.6	0.583	1527.4	5.187	3.27	15.3
207	207	19.88	36.218	4.17		1	26.131	19.841	197.8	0.603	1527.2	5.602	3.15	19.0
217	217	19.72	36.203	4.06		1	26.163	19.680	195.2	0.620	1526.9	6.031	3.99	15.0
247	247	18.91	36.222	4.17		2	26.312	18.865	181.9	0.679	1525.1	7.381	3.89	15.4
297	297	17.38	36.227	4.36		2	26.547	17.329	161.0	0.766	1521.3	9.773	2.60	23.1
347	347	16.49	36.282	4.46		3	26.650	16.433	152.6	0.844	1519.2	12.373	2.61	23.0
397	397	15.46	36.104	3.94		4	26.751	15.337	144.1	0.916	1516.7	15.218	2.64	22.3
497	497	13.03	35.700	3.46		8	26.961	12.960	125.4	1.055	1510.0	21.396	2.50	22.4
597	600	10.67	35.341	3.17		12	27.132	10.596	109.3	1.173	1503.0	27.996	2.26	26.5
697	701	8.87	35.126	3.16		17	27.270	8.732	96.1	1.277	1497.8	34.847	2.38	20.2
797	801	7.15	35.120	3.15		21	27.524	7.071	71.3	1.364	1492.9	41.269	3.93	15.3
865	870	7.55	35.004	3.31		20	27.377	7.472	85.2	1.336	1493.8	31.305	2.14	28.1
965	971	6.40	34.958	3.73		21	27.499	6.319	73.3	1.416	1490.9	45.913	1.84	32.4
1064	1071	5.64	34.950	4.21		22	27.590	5.554	64.5	1.485	1489.5	52.438	1.64	36.6
1163	1171	5.17	34.970	4.53		22	27.664	5.078	57.9	1.549	1489.2	58.810	1.06	56.6
1263	1272	4.92	34.968	4.82		21	27.692	4.821	55.8	1.607	1489.8	65.322	1.51	39.5
1362	1372	4.540	34.990	5.35		20	27.753	4.435	50.2	1.657	1490.0	71.997	0.96	62.2
1462	1474	4.385	34.998	5.76		18	27.777	4.212	48.5	1.706	1491.0	78.674	0.75	80.2
1562	1575	4.280	35.000	5.50		17	27.791	4.159	48.0	1.755	1492.3	85.775	0.27	21.6
1662	1676	4.230	34.992	5.55		17	27.791	4.100	48.8	1.804	1493.7	93.414	0.59	107.0
1862	1879	4.160	34.998	5.68		16	27.799	4.056	48.9	1.854	1495.2	101.640	0.36	161.0
				5.73			27.806	4.002	50.3	1.954	1498.6	119.917	0.00	

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
31	6N	37	416	15- II '74	4.0	18 45.4 N	74 48.1 W	2012						
DEPTH	PRESS	TEMP	SAL	ØX	PØ4	PØ5	SIL	SIGMA-T	THETA					
1	1	25.53		5.10			2		25.530					
25	25	25.47		5.34			2		25.464					
49	49	25.43		5.31			2		25.419					
99	99	24.44		4.97			1		24.419					
138	138	23.02		4.47			1		22.992					
158	158	22.04		4.46			1		22.009					
178	178	21.24		4.37			1		21.206					
198*	198	20.48		4.88			1		20.443					
208	208	19.90		4.31			1		19.862					
218*	218	19.57		4.47			1		19.470					
248	248	18.77		4.11			1		18.728					
298*	298	17.46		4.29			2		17.410					
348	349	16.67		4.35			2		16.613					
398*	399	15.77		4.23			3		15.707					
498	499	12.95		3.68			4		12.881					
598*	600	10.88		3.25			8		10.805					
698	701	9.04		3.27			12		8.961					
798*	802	7.42		3.63			17		7.339					
827*	831	7.18		3.63			21		7.098					
877	882	6.92		4.19			21		6.238					
977*	983	5.74		4.62			22		5.652					
1077	1084	4.98		4.85			20		4.888					
1177*	1185	4.68		5.14			19		4.582					
1377	1387	4.420		5.22			19		4.306					
1477*	1488	4.350		5.59			19		4.227					
1577	1589	4.265		5.76			19		4.133					
1678*	1692	4.255		5.79			17		4.114					
1878	1895	4.175		5.59			18		4.015					
1978*	1996	4.175		5.91			17		4.005					

COUNTRY SHIP 6N CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 37 417 15-11-74 7.0 18 37.0 N 74 45.1 W 1787

DEPTH	PRESS	TEMP	SAL	OX	PO4	PHOS	SIL	SIGMA [*] THETA	THETA	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
1	1	25.76	35.480	5.14			2	23.491	25.760	4.0.6	.0000	1537.1	.009	4.12	14.6
24	48	25.78	35.651	5.550			2	23.615	25.775	4.2.8	.1972	1537.8	.476	8.64	16.9
48	77	25.42	36.258	4.99			2	24.186	25.409	3.76.5	.3067	1538.0	.177	1.14	52.8
77	96	25.40	36.263	5.19			2	24.198	25.383	3.76.7	.3783	1538.4	1.177	2.25	26.6
96	135	25.39	36.298	5.03			2	24.229	25.369	3.74.7	.5180	1538.8	1.811	5.58	10.7
135	155	22.86	36.725	4.56			1	24.616	22.828	3.39.6	.5796	1538.2	3.458	10.46	5.7
155	175	21.19	36.738	4.46			1	25.792	21.156	2.29.0	.6301	1534.1	5.208	18.72	6.9
175	185	20.55	36.719	4.50			1	25.952	21.156	2.29.0	.6301	1530.2	5.208	7.12	8.4
185	194	20.19	36.720	4.26			1	26.050	20.515	2.14.0	.6523	1528.7	5.618	5.86	10.2
194	204	20.12	36.736	4.51			2	26.081	20.153	2.05.0	.6713	1527.8	5.986	3.14	19.1
204	214	19.96	36.761	4.10			2	26.081	20.082	2.02.4	.6918	1527.8	6.404	4.42	13.6
214	224	18.99	36.603	4.22			2	26.143	19.920	1.96.9	.7118	1527.6	6.833	3.79	15.8
224	234	17.89	36.448	4.17			3	26.277	18.946	1.85.1	.7694	1525.7	8.183	3.22	18.6
234	244	16.52	36.238	4.38			3	26.438	17.839	1.71.4	.8591	1522.7	10.647	3.34	17.9
244	254	15.37	36.032	4.21			4	26.609	16.463	1.56.4	.9415	1519.2	13.335	2.68	22.4
254	264	14.31	35.872	3.76			5	26.716	15.308	1.47.2	1.0179	1516.3	16.221	2.73	22.0
264	274	13.64	35.796	3.63			6	26.826	14.244	1.37.6	1.0895	1513.5	19.291	2.38	25.3
274	284	12.54	35.580	3.28			7	26.910	13.568	1.30.7	1.1571	1512.1	22.544	2.91	25.0
284	294	11.60	35.462	3.25			9	26.966	12.469	1.25.0	1.1893	1508.5	24.218	2.49	24.1
294	304	9.89	35.248	3.18			11	27.056	11.525	1.16.9	1.2514	1506.0	27.688	2.37	25.4
304	314	8.87	35.030	3.26			15	27.212	10.721	1.02.4	1.3630	1501.0	34.764	.03	20.9
314	324	5.50	34.914	4.08			19	27.196	8.784	1.04.6	1.4673	1498.9	42.502	2.67	22.5
324	334	4.615	34.971	4.85			24	27.581	5.415	6.5.2	1.6378	1488.9	57.357	1.64	36.6
334	344	4.425	35.000	5.75			22	27.729	4.458	5.1.6	1.7552	1488.7	70.133	.90	66.4
344	354	4.340	34.988	5.42			19	27.774	4.911	4.9.0	1.8564	1491.3	83.321	.36	165.9
354	364	4.285	34.988	5.73			19	27.775	4.218	4.9.7	1.9063	1492.6	90.618	.54	110.6
364	374	4.215	34.984	5.65			19	27.782	4.154	4.9.9	1.9566	1494.0	98.427	.52	115.6
374	384	4.215	34.992	5.74			21	27.782	4.075	5.0.2	2.0575	1495.4	106.794	.49	122.7
384	394	4.215	34.992	5.74			1	27.794	4.066	5.0.6	2.0575	1497.1	115.830	.00	11.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	418	15 11 74	9.6	18 31.5 N	74 43.7 W	1220						
DEPTH	PRESS	TEMP	SAL	BX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.82	35.418	5.10		3	23.426	25.820	446.8	0.000	1537.2	0.000	2.22	27.0
27	23	25.86	35.462	4.76		2	23.460	25.815	444.5	0.082	1537.6	0.120	5.26	10.8
47	75	25.88	35.798	5.06		2	23.697	25.889	423.1	0.255	1538.5	0.451	6.86	18.7
75	94	25.53	36.208	4.85		2	24.116	25.513	384.4	0.358	1538.6	1.191	2.19	27.4
94	132	25.45	36.212	4.93		2	24.145	25.429	383.5	0.389	1538.8	1.823	6.52	9.2
132	132	24.64	36.562	4.54		1	24.660	24.611	335.3	0.526	1537.9	3.388	9.48	6.3
151	171	23.14	36.690	4.29		1	25.202	23.109	284.3	0.847	1534.7	4.240	8.02	7.5
171	180	22.18	36.865	4.70		2	25.612	22.145	246.1	0.630	1532.9	5.114	6.53	9.2
180	190	21.78	36.876	4.36		1	25.733	21.744	234.9	0.659	1532.0	5.505	6.79	8.8
190	200	21.24	36.870	4.10		2	25.879	21.203	221.3	0.626	1530.7	5.939	6.77	8.9
200	209	20.47	36.783	3.76		2	26.023	20.432	207.9	0.742	1528.8	6.370	5.04	11.9
209	238	20.23	36.793	3.84		2	26.096	20.190	201.3	0.727	1528.3	6.757	4.10	11.6
238	238	19.17	36.625	4.12		2	26.247	19.127	187.8	0.754	1525.7	8.054	3.51	17.1
287	288	18.16	36.508	4.18		3	26.435	18.010	171.5	0.879	1523.2	10.426	3.00	20.0
337	337	16.90	36.308	4.13		3	26.572	16.844	159.8	0.912	1520.3	13.084	3.23	18.6
386	437	15.62	36.120	4.02		4	26.727	15.559	146.1	1.026	1517.0	15.872	2.95	20.3
436	488	14.21	35.882	3.86		6	26.855	14.145	134.6	1.097	1513.1	18.844	2.37	25.3
486	515	13.37	35.759	3.87		7	26.937	13.300	127.6	1.163	1511.0	21.963	2.31	19.9
513	614	12.44	35.606	3.83		9	27.006	12.370	121.0	1.197	1508.1	23.696	2.21	27.1
611	663	10.46	35.296	3.75		14	27.135	10.385	109.1	1.310	1502.4	30.225	2.28	26.3
660	713	9.47	35.165	3.96		16	27.202	9.394	102.6	1.369	1499.5	33.634	2.37	25.3
709	763	8.47	35.052	3.57		19	27.275	8.393	95.3	1.418	1496.4	37.067	2.08	28.9
759	812	7.64	34.962	3.60		21	27.329	7.562	89.7	1.484	1494.0	40.583	2.12	28.3
808	858	6.90	34.900	3.31		23	27.385	6.821	83.9	1.504	1491.8	44.036	2.59	23.2
858	913	6.54	34.966	3.91		22	27.486	6.463	74.7	1.544	1491.3	47.458	2.08	28.9
908	1014	5.82	34.914	3.91		24	27.539	5.738	68.9	1.576	1489.2	50.744	1.97	30.5
1008	1115	5.07	34.933	4.38		25	27.645	4.984	58.6	1.620	1487.8	57.062	1.46	41.2
1108	1216	4.07	34.967	4.73		22	27.706	4.692	53.4	1.686	1488.4	63.210	1.12	49.8
1208	1216	4.60	34.984	5.48		20	27.740	4.504	50.9	1.751	1489.3	69.489	1.00	51.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 6N 37 419 15-11-74 12.0 18 27.4 N 74 42.8 W 736

DEPTH	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	SIGMA-THETA	THETA	DELTA	DYN HT	SND VEL	POT EN	V	FREQ	PERIOD
1		25.86	35.405			23.403	25.860	44.9	0.000	0.000	1537.3	0.000	1.76	34.0			
25		25.75	35.389			23.427	25.744	44.8	0.143	0.143	1537.4	0.143	3.58	16.8			
50		25.73	35.514			23.529	25.719	43.2	0.288	0.288	1537.9	0.568	5.98	10.0			
75		25.86	35.944			23.815	25.843	41.3	0.267	0.267	1539.1	1.024	5.19	11.6			
100		25.62	36.127			24.029	25.598	39.5	0.267	0.267	1539.2	2.150	5.90	10.2			
125		25.32	36.369			24.306	25.292	36.8	0.523	0.523	1539.2	3.024	7.79	7.7			
150		24.33	36.608			24.789	24.298	32.8	0.691	0.691	1537.5	4.463	10.24	5.8			
175		22.03	36.826			25.625	24.295	24.5	0.685	0.685	1532.5	5.638	5.71	19.5			
200		20.88	36.732			25.882	20.811	21.4	0.739	0.739	1529.7	6.760	5.23	19.5			
1		25.88	35.420	4.85		23.408	25.880	44.8	0.070	0.070	1537.4	2.187	2.60	23.1			
55		25.81	35.540	5.10		23.524	25.798	43.9	0.310	0.310	1538.2	2.868	6.25	9.6			
104		25.55	36.237	4.72		24.134	25.527	38.1	0.513	0.513	1539.2	4.479	8.11	7.4			
153		23.51	36.776	4.16		25.160	23.478	28.5	0.678	0.678	1535.8	6.594	7.31	8.2			
202		20.54	36.762	3.97		25.989	20.501	21.3	0.814	0.814	1529.0	8.782	3.41	17.6			
226		20.07	36.710	3.75		26.076	20.027	20.3	0.851	0.851	1528.0	9.879	4.94	12.1			
251		19.03	36.605	3.63		26.269	18.984	18.6	0.905	0.905	1525.5	11.074	3.70	16.2			
275		18.44	36.541	3.78		26.371	18.931	17.7	0.943	0.943	1524.1	12.255	3.99	20.0			
300		17.98	36.480	3.79		26.440	17.928	17.1	0.982	0.982	1523.1	13.546	3.57	16.8			
349		16.56	36.280	3.79		26.632	16.502	15.4	1.068	1.068	1519.5	16.208	3.07	19.5			
398		15.20	36.053	3.82		26.770	15.138	14.2	1.141	1.141	1515.8	19.001	3.01	19.9			
447		13.70	35.800	4.14		26.899	13.635	13.0	1.207	1.207	1511.5	21.907	2.53	23.7			
496		12.49	35.598	3.23		27.056	12.425	12.2	1.271	1.271	1508.0	24.977	2.25	26.7			
545		11.53	35.446	3.23		27.156	11.415	11.6	1.329	1.329	1505.3	28.058	2.24	26.8			
594		10.62	35.318	3.33		27.123	10.546	11.0	1.385	1.385	1502.8	31.319	2.37	25.3			
643		9.32	35.123	3.16		27.193	9.246	10.3	1.488	1.488	1498.6	34.653	1.82	33.0			
692		8.84	35.07	3.20		27.238	8.263	9.9	1.488	1.488	1497.6	38.069	1.82	33.0			
721		7.98	35.017	3.15		27.322	7.904	9.0	1.515	1.515	1494.7	40.076	1.00	33.0			

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	420	15-11-74	16.8	18 20.7 N	74 51.3 W	569						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	26.03	35.477	4.85		2	23.405	26.030	448.8	.000	1537.8	.000	5.26	11.4
30	30	25.87	35.747	5.14		2	23.660	25.863	425.8	.1270	1538.2	.197	5.18	11.6
49	49	25.89	35.969	4.90		2	23.823	25.879	411.2	.2067	1538.6	.517	3.09	19.4
89	89	25.76	36.073	4.93		2	23.944	25.740	401.5	.3696	1539.3	1.664	3.68	16.3
108	108	25.68	36.147	4.83		2	24.026	25.656	394.6	.4454	1539.5	2.428	10.47	5.7
128	128	24.43	36.563	4.57		1	24.723	24.402	329.0	.5180	1537.3	3.299	7.69	7.8
138	138	23.98	36.633	4.56		1	24.915	23.951	311.5	.5501	1536.5	3.736	1.53	9.3
148	148	23.98	36.642	4.37		1	24.915	23.948	311.3	.5814	1536.7	4.194	9.65	6.2
158	158	23.47	36.834			2	25.216	23.437	283.4	.6112	1535.8	4.661	10.97	5.5
167	167	22.35	36.859	4.20		2	25.559	22.316	251.0	.6354	1533.2	5.062	15.92	10.1
197	197	21.13	36.845	4.08		2	25.891	21.022	220.5	.7064	1530.5	6.380	4.73	12.7
246	246	19.44	36.701	3.96		2	26.236	19.395	189.3	.8073	1526.6	8.652	3.91	15.3
296	297	17.75	36.444	3.82		3	26.472	17.699	168.1	.8972	1522.3	11.135	2.95	20.3
345	346	16.60	36.254	3.78		4	26.602	16.543	157.0	.9773	1519.5	13.763	3.05	19.7
394	395	15.14	35.994	3.62		6	26.738	15.079	145.0	1.0518	1515.5	16.579	3.16	19.0
443	445	13.19	35.720	3.31		8	26.881	13.426	131.7	1.1200	1510.6	19.502	2.37	15.4
4920	494	12.68	35.610	3.28		10	26.961	12.612	124.9	1.1893	1508.6	22.535	.00	.0

COUNTRY 31 SHIP 6N CRUISE 37 STATION 421 DATE 15-11-74 GMT 18.6 LATITUDE 18 14.0 N LONGITUDE 74 59.2 W DEPTH 1086

DEPTH	PRESS	TEMP	SAL	OX	P04	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	26.12	35.750	5.09			2	23.582	26.120	431.8	.0000	1538.3	.000	5.65	10.6
24	24	25.94	35.984	5.08			2	23.817	25.935	410.6	.0971	1538.5	.121	1.29	46.3
49	49	25.92	35.991	5.14			2	23.830	25.909	410.5	.1999	1538.9	.506	3.03	19.3
79	79	25.87	36.084	4.98			2	23.918	25.852	403.6	.3223	1539.4	1.306	3.03	19.3
98	98	25.72	36.094	4.98			2	23.973	25.698	399.2	.3987	1539.3	1.999	3.03	7.5
138	138	24.24	36.578	4.93			1	24.792	24.219	322.9	.5436	1537.1	3.718	6.56	9.2
158	158	23.55	36.667	4.93			1	25.066	23.517	297.7	.6038	1535.8	4.659	8.27	7.3
178	178	22.22	36.732	4.41			1	25.500	22.184	257.1	.6615	1532.9	5.614	7.58	7.9
188	188	21.65	36.760	4.16			1	25.682	21.613	240.1	.6865	1531.7	6.081	6.16	9.7
198	198	21.20	36.753	4.14			1	25.802	21.161	229.0	.7101	1530.6	6.547	6.39	9.4
208	208	20.73	36.753	4.11			1	25.931	20.699	217.1	.7328	1529.6	7.013	5.98	10.9
218	218	20.31	36.752	4.11			1	26.044	20.269	206.7	.7538	1528.6	7.478	5.03	11.9
228	228	19.12	36.652	3.98			2	26.281	19.075	185.0	.8128	1525.7	8.883	3.69	16.2
238	238	17.60	36.426	3.98			3	26.492	17.549	166.3	.9011	1521.9	11.343	3.37	17.8
348	349	15.91	36.126	3.68			5	26.664	15.854	150.9	.9805	1517.3	13.975	2.66	22.6
398	399	14.85	35.952	3.68			6	26.769	14.789	141.9	1.0545	1514.6	16.789	3.05	19.7
448	450	13.40	35.728	3.54			8	26.906	13.336	129.4	1.0545	1514.6	16.789	3.05	19.7
498	500	11.76	35.493	3.16			11	27.015	11.635	119.0	1.1853	1505.4	22.776	2.80	21.7
478	480	11.97	35.460	3.16			11	26.982	11.908	121.7	1.1611	1505.8	21.561	2.86	21.0
528	530	11.39	35.479	3.34			11	27.107	11.322	110.7	1.2196	1504.6	24.577	1.62	37.0
628	631	10.06	35.257	3.21			15	27.174	10.985	105.3	1.3285	1501.2	31.025	2.09	28.6
728	732	8.18	35.008	3.20			19	27.285	8.102	94.2	1.4290	1495.6	38.004	2.15	27.3
828	832	6.72	34.893	3.13			23	27.405	6.140	82.1	1.5180	1491.4	45.087	1.86	32.3
927	932	6.005	34.892	3.77			24	27.499	5.920	73.4	1.5957	1490.2	52.075	2.08	25.9
997	1003	5.470	34.914	4.04			25	27.582	5.382	65.5	1.6447	1489.3	56.913	2.32	23.9
1026	1032	5.230	34.933	4.43			24	27.627	5.141	60.9	1.6632	1488.8	58.835	1.34	24.8
1075	1082	5.065	34.938	4.83			24	27.651	4.973	58.9	1.6928	1488.9	62.041	.00	.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 6N 37 422 15 11 74 20.9 18 7.9 N 75 7.0 W 2630

DEPTH	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1		26.16	35.983	4.88		23.745	26.160	416.3	.0000	1538.6		.000	2.64	22.7
25		25.99	35.981	4.80	2	23.799	25.984	412.3	.0096	1538.6		.132	.79	76.2
75		25.96	35.977	5.03	2	23.809	25.943	413.8	.3066	1539.4		1.193	7.30	8.2
124		24.70	36.562	4.49	2	24.641	24.673	336.7	.4209	1537.9		3.024	7.08	8.5
174		22.43	36.728	4.37	1	25.431	22.395	262.9	.6414	1533.4		5.273	7.39	8.1
199		20.98	36.762	4.20	1	25.869	20.941	222.6	.7024	1530.1		6.432	3.99	15.0
209		20.72	36.734	4.25	1	25.919	20.680	218.2	.7245	1529.5		6.895	4.64	12.9
229		20.21	36.731	4.16	1	26.055	20.167	206.0	.7671	1528.5		7.850	5.26	11.4
259		18.53	36.591	4.17	2	26.314	18.783	182.2	.8354	1525.0		9.309	3.96	15.2
299		17.67	36.470	4.37	2	26.509	17.618	164.8	.8954	1522.2		11.298	3.20	18.7
349		16.37	36.266	4.14	3	26.665	16.313	151.1	.9749	1518.9		13.930	2.55	23.5
399		14.96	35.970	3.73	6	26.759	14.899	143.0	1.0489	1515.0		16.764	2.67	22.5
499		12.38	35.536	3.36	10	26.963	12.312	124.6	1.1835	1507.6		22.925	2.53	23.7
599		10.15	35.235	3.00	14	27.141	10.078	107.8	1.3006	1501.0		29.483	2.30	26.1
699		10.96	34.957	3.08	20	27.271	10.887	94.0	1.4024	1494.2		36.232	2.13	28.2
799		6.66	34.876	3.30	23	27.399	6.584	82.1	1.4912	1490.7		43.037	2.05	29.3
899		5.86	34.892	3.63	25	27.516	5.779	71.0	1.5684	1489.2		49.750	1.61	37.3
999		5.43	34.916	4.12	24	27.589	5.342	64.6	1.6368	1489.1		56.414	1.56	38.3
1234		4.55	34.987	5.27	21	27.749	4.448	50.2	1.7731	1489.5		71.871	.90	67.0
1335		4.37	34.986	5.37	21	27.769	4.260	48.9	1.8238	1490.5		78.566	.58	106.5
1537		4.24	34.985	5.31	22	27.784	4.112	49.2	1.9242	1493.3		93.418	.58	102.9
1636		4.17	34.984	5.26	24	27.791	4.034	49.3	1.9736	1494.7		101.497	.22	275.6
1735		4.18	34.986	5.60	24	27.793	4.034	50.2	2.0235	1496.4		110.174	.45	133.0
1933		4.15	34.993	5.42	24	27.804	3.985	51.1	2.0732	1499.6		129.429	.24	245.8
2132		4.135	34.981	5.23	27	27.798	3.950	53.6	2.1210	1502.9		151.633	.28	215.0
2330		4.120	34.980	5.08	28	27.801	3.950	55.2	2.1704	1506.2		176.851	.14	441.7
2529		4.125	34.978	5.14	28	27.801	3.899	57.2	2.2154	1509.6		205.404	.22	269.8
2628		4.115	34.982	5.12	28	27.803	3.907	58.1	2.2512	1511.4		220.871	.00	31.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH							
31	6N	37	423	16 11 74	1.5	18 7.5 N	75 17.7 W	2385							
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V	FREQ	PERIOD
1	1	26.02	35.933	5.06		2	23.752	26.020	415.7	.000	1538.2	.000		2.49	24.1
25	25	25.96	35.969	4.90		2	23.799	25.954	412.3	.0995	1538.5	.132		1.58	38.1
49	49	25.96	35.992	4.93		2	23.818	25.949	411.6	.1986	1539.0	.507		2.54	23.6
99	99	25.89	36.095	4.78		2	23.921	25.868	404.2	.4030	1539.7	2.052		8.55	7.0
139	139	24.13	36.614	4.71		1	24.853	24.100	317.2	.5477	1536.9	3.779		5.41	11.1
158	158	23.63	36.650	4.61		1	25.029	23.597	301.2	.6067	1536.0	4.675		7.24	8.3
178	178	22.65	36.711	4.43		1	25.361	22.614	270.3	.6641	1534.0	5.659		6.94	8.6
198*	198*	21.62	36.728	4.30		1	25.666	21.581	242.0	.7155	1531.7	6.647		8.55	7.0
208	208	20.87	36.760	4.23		1	25.898	20.830	220.2	.7387	1529.9	7.130		5.44	11.0
218*	218*	20.56	36.772	4.23		1	25.992	20.518	211.7	.7604	1529.3	7.603		5.71	10.5
248	248	19.06	36.654	4.42		1	26.298	19.015	183.3	.8200	1525.5	9.019		3.88	15.5
298*	299	17.50	36.446	4.45		2	26.532	17.449	162.5	.9069	1521.6	11.439		3.05	19.7
348*	349	16.29	36.252	4.15		3	26.673	16.233	150.3	.9855	1518.6	14.037		2.71	22.1
398*	399	15.09	36.037	3.96		5	26.782	15.028	140.9	1.0588	1515.5	16.834		2.87	20.9
498	500	11.79	35.457	3.13		10	27.015	11.724	119.1	1.1896	1505.5	22.796		2.11	28.4
598*	601	10.01	35.198	2.97		15	27.136	9.939	108.1	1.3041	1500.5	29.207		2.01	29.8
698	701	8.52	35.022	2.99		18	27.243	8.444	98.1	1.4080	1496.4	36.100		2.25	26.7
798*	802	6.84	34.876	3.29		23	27.375	6.763	84.7	1.5001	1491.4	43.151		2.37	25.4
870*	875	6.08	34.892	3.62		24	27.488	6.000	73.6	1.5577	1489.6	48.068		1.77	33.3
1072	1079	5.00	34.947	4.51		23	27.665	4.909	57.4	1.6913	1489.6	61.243		1.30	46.2
1374*	1386	4.43	34.980	5.28		21	27.757	4.325	49.6	1.8005	1489.7	74.341		.81	74.4
1477*	1489	4.29	34.992	5.96		20	27.775	4.236	48.7	1.8512	1491.1	81.257		.68	104.3
1578	1591	4.21	34.992	5.51		20	27.783	4.168	48.8	1.9010	1492.5	88.584		.63	94.9
1678*	1692	4.165	34.986	5.40		21	27.793	4.079	48.7	1.9509	1493.9	96.435		.32	186.3
1776	1792	4.145	34.987	5.35		23	27.794	3.996	49.5	2.0006	1495.4	104.784		.36	148.0
1975*	1993	4.105	34.985	5.17		24	27.798	3.932	50.0	2.0524	1497.0	113.587		.31	166.0
2172	2193	4.095	34.978	5.12		27	27.803	3.907	51.4	2.1524	1500.1	133.400		.15	392.7
2368*	2392	4.120	34.980	5.32		28	27.800	3.911	53.6	2.2574	1503.4	155.878		.12	508.7
						28	27.801		55.6	2.3660	1506.9	181.364		.00	777.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	PERIOD								
31	6N	37	424	16-11-74	4.3	18 7.0 N	75 28.1 W	1712									
1	1	25.91	35.843	5.03		23.718	25.910	418.9	0.000	1537.9	1.000	1537.9	1491.0	1.5117	1491.0	2.07	27.910
25	25	25.92	35.841	5.16		23.715	25.914	420.3	0.109	1538.3	0.135	1538.3	1490.7	1.5855	1490.7	2.20	27.913
50	50	25.95	35.890	5.44		23.741	25.949	419.0	0.200	1538.9	0.538	1538.9	1488.4	1.6548	1488.4	2.01	27.918
100	100	25.30	36.428	4.80		24.353	25.278	363.1	0.402	1538.8	2.007	1538.8	1488.3	1.7144	1488.3	1.98	27.922
139	139	24.07	36.880	4.77		24.845	24.040	317.9	0.552	1536.7	3.620	1536.7	1489.9	1.8199	1489.9	2.37	27.928
159	159	23.71	36.632	4.69		24.992	23.676	304.8	0.597	1536.2	4.573	1536.2	1491.2	1.8698	1491.2	2.15	27.931
179	179	22.61	36.719	4.62		25.379	22.573	288.7	0.653	1533.9	5.566	1533.9	1492.5	1.9194	1492.5	2.07	27.934
199	199	21.22	36.734	4.49		25.780	21.181	231.2	0.705	1530.7	6.534	1530.7	1494.0	1.9942	1494.0	2.00	27.937
209	209	20.88	36.727	4.49		25.870	20.840	222.9	0.728	1529.9	7.011	1529.9	1494.7	2.0193	1494.7	2.00	27.940
219	219	20.79	36.737	4.43		25.903	20.748	220.2	0.750	1529.9	7.499	1529.9	1495.5	2.0193	1495.5	2.00	27.943
249	249	19.77	36.735	4.14		26.175	19.724	195.3	0.812	1527.6	8.996	1527.6	1495.5	2.0193	1495.5	2.00	27.946
298	298	18.98	36.536	4.23		26.458	18.928	169.7	0.931	1523.4	11.502	1523.4	1495.5	2.0193	1495.5	2.00	27.949
348	348	16.91	36.347	4.38		26.600	16.852	157.5	0.985	1520.6	14.221	1520.6	1495.5	2.0193	1495.5	2.00	27.952
498	498	15.53	36.104	4.09		26.735	15.467	145.6	1.061	1516.9	17.133	1516.9	1495.5	2.0193	1495.5	2.00	27.955
597	500	12.72	35.613	3.44		26.955	12.651	125.6	1.198	1508.8	23.360	1508.8	1495.5	2.0193	1495.5	2.00	27.958
696	600	10.57	35.286	3.27		27.107	10.496	111.5	1.316	1502.6	29.972	1502.6	1495.5	2.0193	1495.5	2.00	27.961
796	800	8.16	34.962	2.97		27.251	8.086	96.7	1.420	1494.9	36.835	1494.9	1495.5	2.0193	1495.5	2.00	27.964
896	800	6.16	34.862	3.21		27.374	6.083	84.5	1.511	1491.0	43.811	1491.0	1495.5	2.0193	1495.5	2.00	27.967
996	894	6.49	34.882	3.48		27.427	6.111	79.8	1.546	1490.7	50.732	1490.7	1495.5	2.0193	1495.5	2.00	27.970
1090	996	5.95	34.878	3.77		27.494	5.869	73.1	1.585	1489.3	56.221	1489.3	1495.5	2.0193	1495.5	2.00	27.973
1191	1097	5.28	34.919	4.24		27.609	5.194	62.2	1.654	1488.4	56.860	1488.4	1495.5	2.0193	1495.5	2.00	27.976
1291	1199	4.84	34.944	4.75		27.681	4.748	55.7	1.714	1488.3	63.215	1488.3	1495.5	2.0193	1495.5	2.00	27.979
1391	1300	4.58	34.974	5.14		27.756	4.481	51.1	1.768	1488.3	69.608	1488.3	1495.5	2.0193	1495.5	2.00	27.982
1491	1402	4.415	34.988	5.51		27.775	4.215	48.8	1.819	1489.9	76.116	1489.9	1495.5	2.0193	1495.5	2.00	27.985
1591	1503	4.330	34.980	5.89		27.789	4.112	49.1	1.869	1491.2	83.006	1491.2	1495.5	2.0193	1495.5	2.00	27.988
1691	1605	4.235	34.983	6.29		27.789	4.063	49.3	1.919	1492.5	90.363	1492.5	1495.5	2.0193	1495.5	2.00	27.991
1791	1605	4.155	34.980	6.63		27.790	4.019	49.4	1.969	1494.0	98.275	1494.0	1495.5	2.0193	1495.5	2.00	27.994
1891	1655	4.155	34.980	7.03		27.791	4.019	49.4	2.019	1495.5	106.759	1495.5	1495.5	2.0193	1495.5	2.00	27.997

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V	FREQ	PERIOD
31	6N	37	425	16 11 74	7.5	18 6.2 N	75 39.1 W	2478							
1	1	25.96	35.692	5.00	2	23.589	25.960	431.2	.0000	1537.8	.000		2.99	20.1	
25	25	26.06	35.822	4.59	2	23.657	26.054	425.9	.1030	1538.6	.136		2.91	20.6	
74	74	26.02	35.976	5.09	2	23.789	26.003	415.6	.3090	1539.5	1.177		7.73	7.8	
124	124	24.42	36.582	4.43	1	24.741	24.393	327.2	.4958	1537.3	3.008		6.73	8.9	
174	174	22.31	36.712	4.67	1	25.459	22.275	260.8	.6433	1533.1	5.217		6.03	10.0	
199	199	21.32	36.724	4.39	1	25.747	21.281	234.3	.7055	1530.9	6.401		7.43	8.1	
209	209	20.68	36.726	4.43	1	25.924	20.650	218.0	.7711	1529.4	7.876		4.13	14.5	
229	229	20.20	36.693	4.63	1	26.024	20.157	208.5	.8309	1528.4	9.328		4.90	12.2	
259	259	19.17	36.634	4.22	1	26.255	19.123	187.9	.9025	1526.0	11.371		4.15	14.4	
299	299	18.04	36.539	4.16	2	26.470	17.988	168.6	.9834	1523.3	14.049		3.39	17.7	
348	348	17.04	36.364	4.12	3	26.580	16.981	159.5	1.0598	1521.0	16.961		2.71	22.1	
398	398	15.76	36.197	4.12	4	26.755	15.696	144.0		1517.7			2.33	25.8	
498	498	11.70	35.785	3.70	7										
598	601	11.26	35.491	3.28	11	27.061	11.621	117.4	1.3229	1506.8	30.142		2.54	23.6	
698	701	6.62	35.157	3.18	16	27.231	6.180	100.4	1.4327	1499.3	37.404		2.51	23.9	
799	803	6.01	34.855	3.60	24	27.388	6.544	83.0	1.5261	1490.5	44.545		1.84	32.6	
899	904	6.01	34.874	3.61	24	27.483	5.928	74.4	1.6055	1489.7	51.457		1.91	31.4	
1000*	1006	5.42	34.913	4.17	24	27.588	5.332	64.7	1.6764	1489.1	58.356		2.00	30.0	
1025*	1031	5.27	34.926	4.15	23	27.617	5.181	62.0	1.6924	1488.9	60.022		1.93	29.1	
1175	1183	4.71	34.966	4.83	22	27.714	4.612	53.2	1.7797	1489.2	69.857		.90	66.3	
1375	1385	4.42	34.977	5.12	20	27.757	4.306	50.7	1.8848	1491.3	83.628		.81	73.9	
1475	1487	4.32	34.984	5.29	19	27.774	4.197	49.8	1.9357	1492.6	91.089		.88	68.0	
1575	1588	4.20	34.992	5.36	19	27.794	4.069	48.6	1.9855	1493.8	98.910		.28	213.5	
1675	1689	4.15	34.988	5.29	21	27.794	4.015	49.4	2.0351	1495.3	107.222		.43	139.0	
1875	1892	4.10	34.987	5.10	26	27.803	3.946	50.4	2.1362	1498.5	125.747		.29	207.4	
2075	2095	4.12	34.980	5.11	27	27.797	3.946	53.0	2.2412	1501.9	147.151		.13	478.6	
2275	2298	4.120	34.976	5.23	26	27.797	3.921	55.0	2.3509	1505.3	171.799		.21	290.5	
2475	2500	4.128	34.973	5.06	27	27.795	3.921	56.2	2.4074	1507.0	185.367		.31	193.5	
2675	2601	4.145	34.973	5.12	27	27.799	3.924	57.0	2.4649	1508.8	199.773		.00	193.5	

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V	FREQ	PERIOD
31	6N	37	426	16-11-74	10.7	18 6.4 N	75 49.2 W	2698							
DEPTH	PRESS	TEMP	SAL	ØX	PHOS	SIL	SIGMA*	THETA	DELTA	DYN HT	SND VEL	POT EN	V	FREQ	PERIOD
1	1	25.88	35.637	4.93		3	23.572	25.880	432.8	.0000	1537.6	.000		.62	96.5
2	2	26.11	35.734	4.99		2	23.575	26.104	433.7	.0142	1538.6	.139		4.91	12.2
50	50	26.04	35.957	4.76		2	23.767	26.029	416.6	.2189	1539.7	.545		2.01	29.8
76	76	26.09	36.020	4.45		1	23.800	26.073	414.6	.3189	1539.7	1.243		4.10	14.6
101	101	26.02	36.166	4.50		1	23.934	25.997	403.1	.4214	1540.2	2.169		7.67	7.8
126	126	25.28	36.481	4.23		1	24.403	25.252	359.5	.5169	1539.7	3.273		8.07	7.4
151	151	23.98	36.644	4.13		1	24.921	23.948	311.2	.6011	1536.7	4.459		7.36	8.2
176	176	22.63	36.688	4.26		2	25.350	22.594	271.3	.6742	1533.9	5.677		6.19	9.7
201	201	21.65	36.721	4.15		2	25.653	21.610	243.4	.7388	1531.8	6.920		5.73	10.5
25	25	25.81	35.553	4.99		3	23.561	25.810	433.9	.0594	1537.4	1.850		2.07	28.9
34	34	26.07	36.742	4.76		2	23.594	26.064	431.9	.1635	1538.5	1.987		4.04	14.8
124	124	24.54	36.147	4.45		2	23.849	26.223	409.9	.3701	1540.2	3.020		7.38	8.1
198	198	22.52	36.598	4.80		1	24.717	22.513	329.5	.5555	1537.6	4.846		6.46	9.3
208	208	21.73	36.686	4.50		1	25.621	21.691	268.4	.7055	1533.6	7.096		5.64	10.8
228	228	20.39	36.709	4.23		1	25.741	21.329	246.3	.7675	1532.0	8.275		6.14	9.8
258	258	18.56	36.734	4.13		1	26.049	20.247	235.3	.8362	1531.2	9.777		6.94	8.6
347	347	17.87	36.747	4.26		2	26.476	17.818	206.9	.8949	1528.7	9.767		5.29	11.3
397	397	16.81	36.491	4.31		2	26.612	16.752	165.0	.9654	1525.4	11.224		3.67	16.4
499	499	15.73	36.332	4.12		3	26.716	15.667	156.3	1.0453	1522.8	13.228		3.02	19.9
596	596	12.92	36.138	3.53		4	26.968	12.855	147.5	1.1217	1520.3	15.864		2.64	22.7
696	696	10.88	35.681	3.39		8	27.120	10.805	124.6	1.2587	1517.6	18.775		2.94	20.5
800	800	8.54	35.373	3.07		13	27.259	8.494	110.7	1.3760	1503.8	25.000		2.35	25.5
896	896	7.18	35.045	3.22		18	27.512	7.091	95.7	1.4906	1496.5	31.549		2.33	25.8
995	995	5.84	34.883	3.71		22	27.512	5.759	85.8	1.5728	1492.7	35.450		2.06	29.1
1149	1149	5.31	34.920	4.15		24	27.607	5.224	71.3	1.6518	1489.0	52.333		2.31	23.0
1349	1349	4.75	34.965	4.76		24	27.607	4.693	62.6	1.7188	1488.6	58.820		1.84	32.6
1448	1448	4.47	34.976	5.15		22	27.704	4.358	54.1	1.7996	1489.1	63.784		1.50	39.9
1560	1560	4.37	34.981	5.19		20	27.750	4.358	51.1	1.8916	1491.1	68.784		.94	63.8
1648	1648	4.26	34.989	5.33		20	27.766	4.249	50.4	1.9669	1492.7	82.439		.79	76.4
1748	1748	4.21	34.988	5.35		19	27.785	4.131	49.3	2.0675	1495.6	89.766		.86	70.1
1947	1947	4.180	34.981	5.35		22	27.789	4.033	49.7	2.1184	1495.6	97.557		.50	120.7
2147	2147	4.115	34.983	5.07		25	27.799	3.949	50.7	2.1184	1496.6	105.816		.47	126.6
2346	2346	4.125	34.976	5.19		26	27.795	3.949	51.5	2.2215	1499.7	114.377		.24	277.6
2546	2546	4.125	34.979	5.07		26	27.795	3.938	53.9	2.2215	1503.1	122.093		.30	201.4
2695	2695	4.130	34.974	5.05		28	27.797	3.902	55.5	2.4391	1506.5	157.073		.19	460.6
		4.165	34.979	5.00		28	27.799	3.920	57.7	2.5542	1509.9	211.777		.13	477.3
									59.2	2.6429	1512.7	255.779		.00	0

COUNTRY 31 SHIP 6N STATION 427 CRUISE 37 DATE 16-11-74 GMT 15.8 LATITUDE 18 5.6 N LONGITUDE 75 59.8 W DEPTH 1322

DEPTH	PRESS	TEMP	SAL	OX	PH4	PH8	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	24.03	35.778	4.84			2	23.632	26.030	427.1	.0000	1538.1	.000	4.44	13.5
25	25	25.93	35.934	5.23			2	23.782	25.924	413.9	.1011	1538.4	.133	2.48	24.2
50	50	25.89	35.980	5.50			2	23.831	25.879	410.5	.2076	1539.4	.528	1.74	34.4
80	80	25.91	36.024	5.20			2	23.860	25.892	409.1	.3276	1539.4	1.348	1.00	12.0
100	100	25.82	36.196	4.83			2	24.019	25.798	394.9	.4082	1539.7	2.090	7.78	7.7
139	139	24.34	36.589	4.55			1	24.771	24.310	325.0	.5489	1537.3	3.785	8.03	7.5
159	159	23.25	36.702	4.38			1	25.180	23.217	286.8	.6103	1535.1	4.719	6.35	9.5
179	179	22.45	36.733	4.38			1	25.435	22.414	263.3	.6656	1533.5	5.673	5.04	11.9
189	189	22.19	36.741	4.20			1	25.516	22.152	256.0	.6917	1533.0	6.164	2.99	20.1
199	199	22.14	36.759	4.35			1	25.544	22.100	253.8	.7173	1533.1	6.673	9.02	6.7
209	209	21.23	36.761	4.15			1	25.800	21.189	229.7	.7415	1530.9	7.180	4.52	13.3
219	219	21.06	36.784	4.15			1	25.865	21.017	223.9	.7643	1530.7	7.680	5.68	10.6
229	229	19.99	36.664	4.24			1	26.169	19.544	195.9	.8276	1527.0	9.191	3.74	16.2
239	239	18.27	36.499	4.02			2	26.383	18.217	177.0	.9213	1524.0	11.812	3.47	17.3
249	249	16.89	36.298	4.02			3	26.567	16.832	160.7	1.0062	1520.5	14.624	2.95	20.3
259	259	15.75	36.118	4.15			4	26.696	15.686	149.5	1.0827	1517.6	17.547	3.04	19.7
269	269	14.36	35.894	3.74			5	26.833	14.293	137.2	1.1548	1513.8	20.670	2.59	23.2
279	279	13.33	35.739	3.60			8	26.930	13.259	128.6	1.2217	1511.0	23.913	1.68	10.6
289	289	13.50	35.136	3.37			5	26.922	13.428	129.6	1.2230	1511.7	23.980	2.35	25.5
299	299	11.49	35.773	3.73			7	27.074	11.412	115.9	1.3454	1506.1	30.841	2.41	24.9
309	309	9.16	35.457	3.25			11	27.370	9.081	100.7	1.4546	1498.9	38.070	2.38	25.2
319	319	7.10	34.916	3.21			17	27.511	7.021	85.6	1.5486	1492.4	45.254	2.27	26.5
329	329	5.95	34.899	3.63			23	27.686	5.868	71.7	1.6279	1489.5	52.137	1.78	33.7
339	339	4.85	34.952	4.81			22	27.721	4.758	55.3	1.7562	1488.5	65.134	1.13	53.0
349	349	4.63	34.964	5.21			21	27.721	4.535	52.6	1.8107	1489.3	71.573	.89	67.5
359	359	4.51	34.973	5.64			20	27.742	4.407	51.4	1.8634	1490.4	78.933	.00	.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 6N 37 428 17 11 74 12 02 17 43 4 N 72 36 1 W

DEPTH PRESS TEMP SAL BX POS PHOS SIL SIGMA THETA DELTA DYN HT SND VEL POT EN V FREQ PERIOD
 1 1 25 82 35 401 35 413 23 413 25 820 448 0 0 000 1537 2 0 000 562 0
 24 24 25 82 35 399 23 413 25 815 449 1 0 1033 1537 6 0 132 131 9
 49 49 25 83 35 403 23 415 25 819 450 1 0 2159 1538 0 0 553 33 0
 73 73 25 79 35 425 23 445 25 774 448 3 0 339 1538 8 0 227 43 4
 122 122 26 13 35 447 23 460 25 778 448 0 0 431 1540 3 0 210 13 4
 147 147 24 32 36 785 23 614 26 102 434 6 0 5423 1537 4 0 403 19 4
 171 171 22 58 36 612 24 795 24 288 323 1 0 6373 1533 8 0 693 6 4
 171 171 22 58 36 827 25 469 22 545 259 8 0 7075 0 826 00

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH					
31	6N	37	429	18. 11 =74	13.2	17 30.8 N	68 20.1 W						
DEPTH	PRESS	TEMP	SAL	6X	PHS	SIL	SIGMA*	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.49	35.486				23.579	432.2	.0000	1536.5	.000	1.62	37.0
25	25	25.43	35.486				23.599	431.4	.1038	1536.8	.138	5.72	10.5
50*	50	25.31	35.780				23.859	407.7	.2089	1537.2	.538	8.66	6.9
75	75	25.06	36.469				24.458	351.9	.3040	1537.8	1.138	8.17	7.3
100*	100	23.87	36.695				24.989	302.4	.3861	1535.7	1.865	6.04	9.9
125	125	23.27	36.843				25.279	275.9	.4586	1534.8	2.697	6.14	9.8
150*	150	22.74	37.034				25.579	248.4	.5244	1534.1	3.619	5.69	10.5
174	174	21.75	36.986				25.825	225.9	.5816	1531.9	4.565	.00	10.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V	FREQ	PERIOD
31	6N	37	430	18-11-74	23:0	17 35.0 N	67 00 W	3658								
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA	THETA	DELTA	DYN HT	SND VEL	POT EN	V	FREQ	PERIOD	
1	1	25.70	35.609	5.11		3	23.607	25.700	429.5	.000	1537.2	.000		2.70	22.2	
10	10	25.61	35.599	5.06		2	23.628	25.608	427.9	.0386	1537.1	.022		2.39	25.1	
24	24	25.56	35.611	5.23		2	23.653	25.555	426.2	.0985	1537.2	.126		1.60	37.5	
48	48	25.48	35.602	5.06		2	23.673	25.469	425.4	.209	1537.4	.503		5.49	19.9	
73	73	25.29	35.841	4.97		2	23.913	25.274	403.7	.3048	1537.6	1.143		7.59	17.9	
97	97	24.94	36.281	4.88		1	24.354	24.919	362.8	.3970	1537.7	1.939		9.38	6.4	
121	121	24.78	36.708	4.43		1	25.027	23.754	299.8	.4767	1535.8	2.820		7.07	8.5	
146*	146	22.69	36.810	4.33		1	25.423	22.660	263.0	.5473	1533.7	3.780		5.79	10.4	
170	170	21.88	36.841	4.20		1	25.678	21.846	239.7	.6079	1532.0	4.757		5.41	11.1	
195*	195	20.86	36.772	3.99		2	25.909	20.822	218.6	.6655	1529.7	5.831		5.56	10.8	
219	219	20.24	36.864	3.94		2	26.145	20.198	197.1	.7156	1528.6	6.891		5.58	10.8	
238*	238	18.91	36.644	3.94		3	26.329	18.867	180.0	.7516	1524.9	7.733		3.36	17.8	
293	293	17.54	36.445	3.98		3	26.521	17.490	163.3	.8465	1521.7	10.305		2.86	21.0	
322*	322	14.96	35.977	3.59		6	26.764	14.900	142.3	.9987	1514.9	15.599		2.64	22.7	
491	493	12.28	35.509	3.10		10	26.961	12.214	124.4	1.1316	1507.1	21.578		2.53	23.7	
591*	594	9.92	35.181	3.02		15	27.138	9.850	107.6	1.2485	1500.0	28.029		2.07	29.0	
690	693	8.24	34.974	3.07		19	27.248	8.166	97.0	1.3506	1495.1	34.721		2.04	29.4	
790*	794	6.66	34.818	3.11		24	27.353	6.585	86.2	1.4429	1490.5	41.719		2.10	28.6	
946*	952	5.66	34.906	3.86		26	27.553	5.576	67.8	1.5642	1489.2	52.425		1.94	35.6	
1148	1156	4.77	34.962	4.48		27	27.704	4.674	54.0	1.6885	1489.0	65.673		1.06	56.4	
1352*	1362	4.32	34.972	4.71		28	27.763	4.209	49.5	1.7953	1490.5	79.366		.83	72.6	
1552*	1565	4.08	34.981	5.06		28	27.797	3.953	47.5	1.8934	1492.9	94.031		.41	145.9	
1752*	1767	4.03	34.982	5.07		26	27.805	3.884	48.6	1.9908	1496.1	110.626		.22	276.6	
2053	2072	4.08	34.980	5.24		27	27.802	3.904	52.2	2.1446	1501.4	140.893		.44	135.5	
2353	2377	4.08	34.998	5.08		29	27.819	3.873	53.5	2.3056	1506.5	177.538		.41	145.2	
2653	2682	4.10	34.976	5.14		29	27.802	3.870	58.2	2.4760	1511.9	221.708		.33	184.6	
2954*	2989	4.125	34.985	5.18		28	27.811	3.851	60.4	2.6570	1516.9	274.411		.06	96.4	
3254	3295	4.150	34.983	5.11		28	27.811	3.841	63.5	2.8470	1522.2	335.291		.05	112.4	
3655*	3704	4.210	34.985	5.29		26	27.811	3.851	67.7	3.1155	1529.4	431.499		.00	112.4	

COUNTRY SHIP STATION DATE GMT LATITUDE LONGITUDE DEPTH
31 6N 431 19 11 74 8.0 16 45.0 N 67 1.0 W 4684

DEPTH	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	432.7	.0000	1536.8	.000	2.13	28.1
2	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	430.5	.1037	1537.0	.138	4.40	13.6
50	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	416.9	.2099	1536.8	.543	1.95	30.7
75	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	415.2	.3141	1537.2	1.210	3.11	19.3
100	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	409.0	.4173	1537.7	2.134	9.55	6.3
124	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	343.8	.5079	1538.9	3.163	10.52	5.7
149	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	260.9	.5837	1534.6	4.209	7.25	8.3
174	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	222.1	.6443	1531.7	5.206	6.42	9.3
199	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	191.9	.6963	1527.4	6.195	6.37	9.4
2	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	427.4	.0811	1536.7	2.267	1.53	35.2
10	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	427.2	.1197	1536.8	2.288	4.39	13.7
24	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	419.1	.1833	1536.5	2.401	3.01	19.9
49	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	413.6	.2834	1536.7	2.779	3.01	15.4
74	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	413.8	.3870	1537.1	3.431	7.15	7.7
99	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	369.3	.4851	1539.1	4.292	10.72	5.6
124	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	283.2	.5679	1536.0	5.212	6.40	9.4
148	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	254.5	.6317	1534.2	6.109	7.35	8.2
173	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	214.6	.6906	1530.8	7.071	5.18	11.6
198	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	195.4	.7421	1528.1	8.046	4.90	12.2
223	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	178.9	.7872	1525.0	9.015	4.14	14.5
247	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	166.9	.8307	1522.7	10.058	3.12	19.2
272	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	154.3	.9098	1519.5	12.253	2.72	22.1
296	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	135.6	1.0542	1512.1	17.324	2.69	22.3
321	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	116.8	1.1800	1504.4	23.017	2.17	27.7
345	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	105.2	1.2907	1497.9	29.168	2.01	29.8
369	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	95.1	1.3907	1492.6	35.740	1.94	30.9
393	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	85.5	1.4809	1488.9	42.588	1.96	30.6
417	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	55.9	1.6879	1488.3	61.877	1.17	31.1
441	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	50.0	1.7945	1489.6	74.770	1.17	31.8
465	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	48.8	1.8946	1492.1	88.979	.48	32.5
489	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	49.2	1.9938	1495.2	105.136	.36	33.8
513	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	52.2	2.0938	1501.6	145.166	.09	35.1
537	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	56.3	2.1937	1508.7	197.050	.32	36.4
561	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	59.2	2.2936	1515.6	262.016	.27	37.7
585	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	64.2	2.3935	1522.7	342.063	.10	39.0
609	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	68.3	3.1749	1529.7	439.316	.06	40.3
633	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	73.6	3.5363	1538.7	586.582	.10	41.6
657	6N	37	431	19 11 74	8.0	16 45.0 N	67 1.0 W	4684	79.0	3.9266	1547.8	766.020	.00	42.9

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	432	19-11-74	21.9	15 50.5 N	66 59.1 W	4650						
DEPTH	PRESS	TEMP	SAL	OX	P04	PHOS	SIL	SIGMA-T	THETA					
1	1	25.88	35.484	4.95			3	23.457	25.880	.0000	1537.4	.000	2.27	26.5
10	105	25.91	35.476	5.01			3	23.442	25.908	.0491	1537.6	.023	.63	26.4
25	25	25.90	35.473	5.36			3	23.447	25.894	.1071	1537.9	.149	1.33	45.2
49	49	25.85	35.468	5.02			3	23.457	25.839	.2143	1538.1	.549	7.73	7.8
74	74	26.10	36.202	4.77			2	23.934	26.083	.3205	1539.9	1.210	9.99	6.0
98	98	25.03	36.773	4.41			2	24.698	25.008	.4085	1538.5	1.975	7.51	8.0
123	123	24.80	36.973	4.28			2	25.641	24.770	.5539	1536.8	2.846	8.05	8.0
148*	148*	22.80	37.007	4.04			1	25.885	22.802	.6132	1531.0	4.751	9.1	9.1
173	173	21.41	36.940	3.91			2	26.089	21.437	.7113	1527.9	5.712	10.1	10.1
197*	197*	20.18	36.768	3.67			3	26.367	20.143	.7113	1522.8	6.724	13.1	13.1
225*	225*	18.32	36.509	3.57			3	26.529	18.281	.7536	1519.4	7.737	18.1	18.1
247*	247*	17.07	36.309	3.60			4	26.682	17.023	.8294	1516.3	9.842	20.5	20.5
294	297	15.85	36.134	3.78			5	26.932	15.803	.9663	1506.6	14.642	25.6	25.6
336*	337	12.58	35.951	3.50			10	27.083	12.526	1.0836	1499.5	19.977	29.4	29.4
495	497	10.21	35.771	2.99			14	27.151	10.151	1.1901	1494.0	26.909	33.7	33.7
595*	598	8.38	34.933	2.88			19	27.193	8.316	1.2865	1490.7	32.277	32.5	32.5
694	697	7.13	34.801	2.97			23	27.274	7.052	1.3758	1488.5	39.081	30.8	30.8
794*	798	6.17	34.752	3.13			26	27.365	6.027	1.5670	1488.5	58.829	50.1	50.1
1062*	1069	5.00	34.948	4.34			27	27.666	4.910	1.6752	1489.5	69.704	75.5	75.5
1458*	1469	4.44	34.960	4.66			28	27.740	4.336	1.7758	1491.9	83.772	112.5	112.5
1656*	1670	4.23	34.970	4.76			29	27.772	4.110	1.8754	1494.9	99.756	144.2	144.2
2052*	2071	4.06	34.975	4.89			29	27.786	3.885	2.0804	1501.2	139.052	194.2	194.2
2450*	2476	4.10	34.976	4.93			30	27.800	3.883	2.2997	1508.2	190.179	230.2	230.2
2849*	2882	4.130	34.986	5.27			30	27.801	3.868	2.5346	1515.2	254.638	299.2	299.2
3246*	3286	4.180	34.980	5.08			30	27.806	3.871	2.7846	1522.2	333.644	402.6	402.6
3644*	3693	4.219	34.979	5.03			30	27.806	3.852	3.0530	1529.2	429.550	405.0	405.0
4143	4203	4.265	34.981	5.23			30	27.809	3.842	3.4128	1538.2	575.047	440.0	440.0
4643	4715	4.345	34.980	5.08			30	27.807	3.853	3.8010	1547.3	752.358	500.0	500.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SNQ VEL	PBT EN	V FREQ	PERIOD
31	6N	37	433	20-11-74	6.2	14 58.9 N	67 .7 W	4756						
DEPTH	PRESS	TEMP	SAL	ØX	PØ4	PHØS	SIL	SIGMA-THETA	THETA					
1	1	26.15	35.535	5.07			3	23.411	26.150	.0000	1538.1	.000	1.83	32.8
25	25	26.10	35.546	5.23			3	23.411	26.094	.1076	1538.4	.143	1.69	31.6
50	50	26.08	35.573	5.33			3	23.465	26.069	.2193	1538.8	.571	3.72	16.1
75	75	25.72	35.568	4.90			2	23.575	25.703	.3296	1538.4	1.276	1.08	5.4
100	100	25.40	36.732	4.71			1	24.554	25.378	.4273	1539.3	2.137	19.31	6.4
125	125	23.77	36.991	4.41			1	25.244	23.743	.5055	1536.2	3.027	7.72	7.8
150	150	22.06	36.960	4.16			1	25.717	22.030	.5701	1532.3	3.929	6.53	9.2
175	175	20.51	36.838	3.70			2	26.053	20.477	.6252	1528.5	4.842	5.14	11.7
200*	200	19.11	36.623	3.56			26	26.325	19.074	.6741	1524.9	5.778	6.83	8.8
1	0	26.15	35.394	5.07			3	23.395	26.150	.0319	1537.9	1.946	1.63	36.7
10	9	26.15	35.383	5.23			3	23.297	26.148	.0733	1538.1	1.969	5.05	11.9
24	24	26.11	35.516	5.33			3	23.411	26.105	.1370	1538.4	2.079	2.46	24.4
49	49	26.08	35.565	4.90			3	23.459	26.069	.2490	1538.8	2.497	4.56	13.2
73	73	25.64	35.592	4.71			2	23.618	25.624	.3545	1538.2	3.153	9.63	6.2
98	98	25.76	36.620	4.41			1	24.358	25.738	.4541	1540.0	4.013	8.84	6.8
123	123	24.53	36.942	4.16			1	24.980	24.503	.5377	1537.9	4.950	7.61	7.9
177*	147	23.26	37.025	3.70			1	25.917	23.226	.6061	1535.3	5.889	7.92	7.6
172	172	21.16	36.892	3.56			2	26.201	21.126	.7176	1525.9	6.867	6.02	10.0
197*	197	19.47	36.669	3.65			3	26.424	19.434	.8022	1521.7	7.830	5.46	11.0
221	221	17.95	36.454	3.42			3	26.554	17.912	.8770	1521.7	8.758	4.11	14.6
246*	246	16.75	36.243	3.53			4	26.760	16.709	.8770	1518.3	9.743	3.67	16.3
296	297	14.82	35.936	3.22			6	26.973	14.775	.8770	1512.8	11.808	2.72	22.1
396*	397	11.63	35.368	3.22			11	26.973	11.579	1.0075	1503.1	16.391	2.22	27.1
496	498	7.62	35.083	2.97			15	27.110	9.563	1.1221	1497.2	21.609	2.02	29.7
596*	599	7.63	34.818	2.96			21	27.215	7.570	1.2254	1491.0	27.375	1.39	43.2
696	699	6.91	34.751	2.96			24	27.255	6.843	1.3216	1489.8	33.746	1.74	34.4
796*	800	6.18	34.733	3.14			26	27.349	6.107	1.4118	1488.5	40.650	2.13	28.2
870*	875	5.72	34.783	3.42			27	27.447	5.643	1.4725	1488.0	45.830	1.89	31.8
969	975	5.33	34.854	3.81			27	27.552	5.246	1.5445	1488.1	52.617	1.63	36.8
1167	1175	4.68	34.948	4.47			27	27.703	4.583	1.6660	1488.9	65.837	1.59	67.2
1466	1477	4.28	34.968	4.66			28	27.765	4.059	1.8239	1492.3	87.159	.89	101.2
1766*	1781	4.12	34.976	4.86			29	27.791	3.972	1.9770	1496.7	112.656	.28	214.3
2166	2187	4.105	34.978	5.02			29	27.799	3.917	2.1881	1503.4	155.624	.24	246.6
2673*	2702	4.115	34.981	4.97			29	27.806	3.873	2.4761	1512.1	227.879	.19	315.3
3174	3213	4.115	34.989	5.01			29	27.812	3.875	2.7844	1520.9	321.414	.19	315.2
3674*	3723	4.215	34.976	4.81			29	27.804	3.853	3.1196	1529.8	440.609	.16	374.3
4174	4234	4.275	34.980	4.95			29	27.808	3.848	3.4827	1538.7	588.645	.15	395.8
4674*	4747	4.355	34.978	5.02			29	27.805	3.858	3.8737	1547.9	768.506	.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	434	20 11 74	20.8	14 8.0 N	67 0.0 W	5060						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA*	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	26.48	35.099	5.09		4	22.979	26.488	489.5	.000	1538.4	.005	1.81	33.1
10	10	26.50	35.094	5.16		4	22.969	26.498	490.8	.042	1538.6	.025	1.97	6.7
24	48	26.24	35.460	5.37		3	23.328	26.1235	457.2	.1106	1538.6	.139	5.03	11.9
48	73	26.10	35.656	4.62		2	23.521	26.089	439.9	.2184	1538.9	.133	1.87	32.2
73	97	26.07	35.678	5.05		2	23.549	26.054	438.5	.3284	1539.3	.114	1.87	5.4
97		25.970	36.776	5.01		1	24.494	25.678	349.6	.4232	1540.0	.214	1.87	6.9
122	122	24.19	36.963	4.64		1	25.098	24.164	293.1	.5037	1537.1	2.020	7.27	8.3
147	172	22.93	37.025	4.45		1	25.517	22.900	254.2	.5724	1534.5	3.860	7.27	8.3
172	196	21.24	36.945	3.91		1	25.935	21.206	215.3	.6313	1530.5	4.817	6.64	9.1
196	222	19.44	36.743	4.00		2	26.266	19.404	184.5	.6795	1525.9	5.721	4.89	12.3
222	247	18.06	36.535	3.88		3	26.459	18.021	166.7	.7254	1522.1	6.700	3.41	17.6
247	298	17.22	36.382	4.02		3	26.549	17.178	158.8	.7663	1519.9	7.683	3.69	16.3
297	398	15.02	35.986	3.74		6	26.755	14.974	140.0	.8414	1513.5	9.766	2.92	20.6
397	499	11.48	35.368	3.08		11	27.001	11.429	117.3	.9709	1502.6	14.317	2.25	26.7
497	601	9.03	34.995	2.94		17	27.138	8.975	104.4	1.0825	1494.9	19.407	1.89	31.7
598	702	7.43	34.804	3.09		22	27.233	7.370	95.5	1.1842	1490.3	25.103	1.70	35.3
699	803	6.50	34.739	3.09		25	27.311	6.435	88.4	1.2778	1488.2	31.322	1.89	31.8
799	1038	5.83	34.757	3.95		28	27.412	5.759	79.2	1.3623	1487.2	37.805	1.83	32.9
1032	1245	4.99	34.918	4.08		28	27.643	4.973	58.9	1.5247	1487.9	52.811	1.21	49.7
1236	1651	4.52	34.952	4.54		29	27.725	4.418	52.4	1.6394	1489.4	66.133	.82	72.9
1438	2039	4.29	34.963	4.74		29	27.760	4.171	50.6	1.7446	1491.8	80.601	.59	101.2
1638	2566	4.18	34.968			30	27.778	4.044	50.6	1.8471	1494.7	96.840	.44	136.3
2039	3087	4.08	34.973			30	27.796	3.906	52.5	2.0567	1501.1	136.685	.25	190.8
2566	3587	4.108	34.975	4.99		30	27.801	3.873	57.1	2.3352	1509.7	202.798	.19	243.8
3087	4011	4.105	34.985	5.10		30	27.810	3.861	61.1	2.6374	1518.5	290.248	.11	309.7
3587	4611	4.210	34.978	5.05		30	27.804	3.865	67.2	2.9662	1527.4	402.605	.11	528.4
4011	5126	4.260	34.977	5.36		30	27.805	3.851	72.3	3.3228	1536.4	543.034	.16	381.4
4611		4.329	34.980	5.08		30	27.808	3.842	77.3	4.1184	1545.4	714.230	.13	459.6
5126		4.405	34.980	5.05		30	27.807	3.835	82.9	4.9706	1554.6	919.550	.00	

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
31	6N	37	435	21 11 74	4.5	13 24.1 N	67 1.0 W	5040						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA	THETA	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
1	1	26.31	35.554	5.00		3	23.375	26.310	451.6	.0000	1538.5	.000	1.04	57.5
10	10	26.31	35.549	4.76		3	23.372	26.308	452.4	.0407	1538.6	.023	.67	89.2
24	24	26.31	35.545	4.90		3	23.370	26.305	453.2	.1042	1538.9	.133	.28	214.6
49	49	26.32	35.546	5.05		3	23.369	26.309	454.5	.2178	1539.3	.558	2.02	29.6
73	73	26.30	35.577	4.85		3	23.401	26.283	452.6	.3268	1539.7	1.238	10.49	25.7
98	98	25.95	36.593	4.64		2	24.278	25.928	370.2	.4299	1540.4	2.127	10.80	5.6
122	122	23.78	36.896	4.21		2	25.169	23.754	286.3	.5089	1536.1	3.005	8.45	7.1
146	146	22.15	36.978	3.95		2	25.713	22.091	235.4	.5717	1532.4	3.860	7.07	8.6
171	171	20.45	36.882	3.72		2	26.103	20.417	199.1	.6263	1528.4	4.740	6.07	9.9
196	196	18.42	36.565	3.64		3	26.391	18.385	172.3	.6729	1522.8	5.612	4.47	13.4
220	220	17.33	36.407	3.88		3	26.540	17.293	158.6	.7128	1519.8	6.461	3.81	15.8
246	246	16.16	36.195	3.85		4	26.656	16.129	148.2	.7529	1516.5	7.419	3.53	17.0
274	274	14.07	35.822	3.66		7	26.836	14.017	131.7	.8205	1510.2	9.279	2.56	23.5
334	334	11.07	35.299	2.96		12	27.023	11.020	114.8	.9445	1501.0	13.613	2.29	26.2
493	493	8.33	34.885	2.90		15	27.161	8.278	101.3	1.0522	1492.1	18.484	1.72	34.9
593	593	7.27	34.791	2.94		22	27.242	7.232	86.7	1.1508	1489.6	23.962	1.76	34.1
692	692	6.37	34.736	3.09		28	27.326	6.306	86.7	1.2411	1487.6	29.906	1.78	33.7
792	792	5.78	34.754	3.29		27	27.416	5.710	78.6	1.3244	1486.9	36.244	2.04	29.4
892	892	5.37	34.860	3.73		27	27.551	5.232	66.7	1.4028	1487.1	43.029	1.59	27.8
1101	1101	4.67	34.939	4.39		28	27.696	4.579	53.9	1.5258	1487.7	55.547	1.79	76.9
1404	1404	4.38	34.959	4.65		28	27.747	4.263	51.7	1.6876	1491.6	76.967	.70	85.9
1704	1704	4.15	34.971	4.86		29	27.784	4.079	50.6	1.8431	1495.7	101.235	.44	137.8
2206	2206	4.05	34.978	4.98		29	27.802	3.879	52.5	2.0523	1502.1	142.524	.05	105.2
3006	3006	4.11	34.983	5.01		30	27.808	3.886	56.8	2.2758	1509.2	195.703	.22	276.8
3507	3507	4.14	34.983	5.01		30	27.808	3.885	61.3	2.5758	1517.9	281.566	.12	521.0
4008	4008	4.20	34.980	5.09		30	27.806	3.864	66.7	2.9028	1526.8	392.147	.09	671.2
4509	4509	4.25	34.978	5.09		30	27.806	3.850	71.9	3.2379	1535.8	539.651	.08	796.3
5010	5010	4.31	34.977	5.12		30	27.806	3.850	77.1	3.6399	1544.8	699.852	.09	1689.2
5092	5092	4.40	34.979	5.14		30	27.806	3.855	82.6	4.0505	1554.0	903.143	.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DEPTH	DEPTH	SIGMA	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD	
31	6N	37	436	21 11 74	12.3	12 54.3 N	67 3.5 W												
											THETA								
											23.384	26.260	450.8	0.000	1538.4	0.000	.57	104.6	
											23.386	26.255	451.6	0.094	1538.7	0.122	.56	108.1	
											23.384	26.260	452.9	0.205	1539.1	0.490	.80	115.4	
											23.389	26.254	453.6	0.309	1539.5	1.105	11.24	5.3	
											24.315	25.979	366.4	0.402	1540.5	1.872	10.90	5.5	
											25.222	23.516	280.9	0.480	1535.3	2.688	7.84	7.7	
											25.672	22.422	239.0	0.540	1533.2	3.467	7.25	8.3	
											26.055	20.639	203.3	0.591	1528.8	4.249	6.02	10.0	
											26.339	18.746	176.9	0.639	1523.7	5.099	.00	.0	

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	437	21 11 74	18.4	12 23.0 N	67 .9 W	4060						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	26.24	35.489	4.92		3	23.281	26.248	46.06	.000	1538.2	.000	1.05	57.4
10	10	26.24	35.395	4.88		3	23.278	26.238	46.13	.0415	1538.3	.023	2.58	23.3
25	25	26.13	35.390	5.11		3	23.310	26.124	45.90	.1106	1538.3	.147	4.66	12.9
50	50	26.04	35.580	5.02		3	23.483	26.129	44.37	.2236	1538.7	.578	11.77	5.6
74	74	25.75	36.740	4.88		1	24.543	25.434	34.38	.3183	1539.0	1.164	10.82	5.6
99	99	25.49	36.805	3.74		2	25.474	22.470	25.60	.3935	1532.4	1.817	18.21	7.3
124	124	20.33	36.720	3.41		3	26.009	20.306	20.60	.4515	1527.1	2.471	5.90	10.2
149	149	19.11	36.659	3.76		3	26.285	19.083	18.06	.5001	1524.1	3.146	4.90	12.2
174	174	17.42	36.349	3.50		4	26.472	17.390	16.34	.5493	1519.3	3.858	4.04	14.9
199	199	16.38	36.190	3.56		5	26.599	16.348	15.20	.5829	1516.4	4.614	4.20	14.3
224	224	14.99	35.954	3.28		6	26.734	14.956	13.55	.6195	1512.2	5.406	3.13	19.2
249	249	14.05	35.785	3.26		7	26.808	14.013	13.29	.6537	1509.4	6.236	2.83	21.2
299	300	12.38	35.496	3.14		10	26.926	12.340	12.23	.7179	1504.3	8.033	2.40	25.0
399	400	9.54	35.040	3.03		16	27.088	9.494	10.75	.8335	1495.3	12.137	1.74	33.4
500	502	8.25	34.883	3.07		19	27.172	8.197	10.04	.9392	1491.9	16.998	1.82	33.0
600	603	7.05	34.767	2.97		23	27.261	6.962	9.22	1.0362	1488.7	22.460	1.71	35.2
700	704	6.25	34.737	3.47		26	27.342	6.186	8.51	1.1256	1487.2	28.412	1.86	32.3
800	804	5.74	34.782	3.50		27	27.443	5.169	7.61	1.2069	1486.6	34.658	2.00	30.0
900	908	5.33	34.874	3.86		28	27.567	5.252	6.51	1.2809	1487.1	41.058	1.54	33.0
1102	1109	4.66	34.944	4.51		28	27.701	4.569	5.34	1.3994	1487.7	41.058	1.95	33.9
1302	1311	4.35	34.960	4.91		28	27.750	4.243	5.02	1.5002	1489.8	68.165	.72	63.3
1502	1514	4.20	34.972	4.90		28	27.777	4.076	4.93	1.6009	1492.5	80.707	.53	112.9
1801	1817	4.065	34.976	4.96		29	27.798	3.914	5.00	1.7553	1497.0	106.320	.29	237.2
2101	2121	4.065	34.978	5.08		29	27.809	3.884	5.25	1.9115	1502.1	137.762	.29	206.6
2401	2426	4.065	34.982	5.13		30	27.809	3.853	5.49	2.0474	1507.2	175.836	.24	202.8
2800	2831	4.125	34.976	5.22		30	27.802	3.869	5.97	2.3012	1514.3	238.503	.15	394.2
3200	3239	4.155	34.976	4.94		30	27.805	3.852	6.36	2.5883	1521.3	316.607	.11	548.0
3646	3646	4.1270	34.977	5.08		30	27.805	3.848	6.76	2.8154	1528.4	410.783	.00	83.1
4048	4105	4.270	34.979	5.49		30	27.806	3.859	7.24	3.1468	1536.5	538.379	.00	1.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DEPTH	TEMP	SAL	OX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	438	22 11 74	4 9	11 45.4 N	68 19.2 W	1933														
1	1	25.76	36.192	5.23		2	24.028	389.3	.0000	1537.9	.000					25.760	389.3	.0000			.11	567.5
10	10	25.75	36.187	4.95		2	24.028	389.8	.0351	1538.1	.020					25.748	389.8	.0351			3.43	17.5
25	25	25.73	36.252	4.99		2	24.084	385.1	.0933	1538.3	.124					25.724	385.1	.0933			6.78	8.9
50	50	25.36	36.583	4.97		2	24.450	351.4	.1856	1538.3	.473					25.349	351.4	.1856			9.42	6.4
75	75	23.80	36.814	4.94		2	25.157	285.2	.2654	1534.8	.973					23.584	285.2	.2654			7.26	8.3
100	100	22.35	36.887	3.95		2	25.576	246.4	.3321	1532.1	1.565					22.330	246.4	.3321			8.78	6.8
125	125	19.50	36.666	3.67		3	26.188	188.9	.3867	1524.8	2.186					19.477	188.9	.3867			4.61	13.0
150*	150*	18.28	36.474	3.59		3	26.354	173.8	.4323	1521.5	2.825					18.254	173.8	.4323			3.66	16.4
175	175	17.52	36.364	3.65		4	26.459	164.7	.4748	1517.6	3.532					17.490	164.7	.4748			3.69	16.3
200*	200*	16.63	36.222	3.60		5	26.565	155.3	.5150	1517.2	4.304					16.597	155.3	.5150			3.42	17.6
225	225	15.70	36.057	3.49		6	26.654	147.4	.5530	1514.6	5.132					15.664	147.4	.5530			3.22	18.6
250*	250*	14.81	35.909	3.37		7	26.733	140.4	.5892	1512.0	6.012					14.772	140.4	.5892			3.09	19.4
275	275	14.08	35.789	3.30		8	26.806	134.0	.6237	1509.9	6.914					14.040	134.0	.6237			2.83	23.7
300*	301	13.45	35.679	3.35		9	26.853	129.9	.6568	1508.1	7.918					13.407	129.9	.6568			2.97	20.2
350	351	11.69	35.396	3.11		11	26.983	118.0	.7192	1502.6	9.991					11.644	118.0	.7192			2.17	27.6
400*	401	10.64	35.233	3.28		13	27.049	112.1	.7771	1499.5	12.216					10.591	112.1	.7771			2.06	29.1
500	502	10.52	34.924	3.08		19	27.163	101.6	.8848	1493.0	17.122					8.466	101.6	.8848			1.85	32.5
599*	602	7.18	34.785	2.89		22	27.253	93.2	.9818	1489.3	22.625					7.121	93.2	.9818			1.72	34.8
475*	477	8.74	34.959	2.89		18	27.155	102.0	.8528	1493.5	15.972					8.688	102.0	.8528			1.45	40.2
524*	526	8.24	34.896	3.15		18	27.184	99.0	.9096	1492.3	18.485					8.185	99.0	.9096			1.76	34.1
624*	627	6.99	34.767	2.97		23	27.266	92.2	1.0063	1488.9	24.168					6.930	92.2	1.0063			1.62	37.0
724*	728	6.30	34.740	3.19		25	27.338	85.9	1.0960	1487.8	30.371					6.233	85.9	1.0960			1.83	32.8
824*	829	5.80	34.782	3.16		26	27.436	77.3	1.1783	1487.5	36.897					5.727	77.3	1.1783			2.02	29.7
924*	930	5.35	34.865	3.95		27	27.558	66.3	1.2507	1487.5	43.383					5.270	66.3	1.2507			1.97	30.5
1024*	1031	4.85	34.932	4.41		27	27.670	55.9	1.3125	1487.2	49.542					4.764	55.9	1.3125			1.17	51.1
1124*	1132	4.61	34.945	4.72		27	27.707	53.0	1.3675	1487.9	55.618					4.522	53.0	1.3675			.88	67.9
1324*	1334	4.36	34.960	4.72		27	27.749	48.8	1.4222	1490.2	63.793					4.0251	48.8	1.4222			.81	74.1
1523*	1535	4.15	34.972	5.00		29	27.783	40.8	1.4722	1492.7	83.460					3.942	40.8	1.4722			.60	99.9
1723*	1738	4.08	34.986	4.91		31	27.803	48.8	1.6712	1495.8	100.006					3.942	48.8	1.6712			.00	110

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH						
31	6N	37	439	22-11-74	10.8	11 46.0 N	68 47.0 W							
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-t	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.58	36.464				24.289	25.580	364.4	.0000	1537.8	.000	5.01	12.0
25	25	25.37	36.630				24.481	25.364	347.3	.0856	1537.9	.111	7.73	17.8
50*	50	24.27	36.815				24.957	24.259	303.1	.1671	1536.0	.418	8.79	6.8
75	75	22.32	36.873				25.573	22.305	245.6	.2359	1531.6	.849	7.33	8.2
100*	100	20.65	36.837				26.000	20.671	205.9	.2926	1527.8	1.351	5.34	11.2
125	125	19.46	36.702				26.225	19.437	185.3	.3417	1524.7	1.914	4.36	13.8
150*	150	18.14	36.454				26.374	18.114	171.9	.3865	1521.1	2.545	3.93	15.3
175	175	17.20	36.309				26.595	17.170	161.2	.4284	1518.6	3.241	2.76	21.7
200*	200	16.68	36.223				26.854	16.647	156.4	.4683	1517.3	4.007	.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
31	6N	37	44C	26 11 74	12 3	14 5.5 N	70 54.8 W							
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
1	1	25.68	36.228				24.080	25.680	384.4	.0000	1537.8	.000	1.31	45.9
25	25	25.67	36.239				24.093	25.664	384.3	.0924	1538.2	.123	3.89	15.4
50*	50	25.56	36.351				24.213	25.549	374.0	.1874	1538.5	.486	7.52	8.0
74	74	25.10	36.734				24.646	25.084	333.9	.2726	1538.2	1.021	7.83	7.7
99*	99	23.82	36.867				25.134	23.799	288.6	.3506	1535.7	1.706	8.40	7.1
124	124	21.61	36.766				25.694	21.585	236.1	.4164	1530.5	2.449	6.72	8.9
148*	148	20.15	36.692				26.037	20.122	204.3	.4695	1526.9	3.184	5.66	10.6
173	173	18.95	36.611				26.290	18.919	181.0	.5179	1524.0	3.977	4.53	13.3
198*	198	17.81	36.444				26.450	17.776	166.5	.5616	1520.9	4.805	.00	.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 6N 37 441 26-11-74 20.3 14 58.0 N 71 39.0 W 3601

DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
1	1	25.54	36.100	5.10		2	24.027	25.540	389.4	.000	1537.3	.000	6.60	9.1
10	10	25.91	36.096	4.96		2	23.902	25.908	401.8	.0357	1538.3	.028	2.19	28.5
25	25	25.86	36.092	5.10		2	23.923	25.854	400.5	.0960	1538.5	.128	2.87	22.5
50	50	25.80	36.140	5.00		2	23.980	25.789	396.3	.1957	1538.8	.511	5.16	10.8
74	74	25.76	36.435	4.83		2	24.216	25.743	374.9	.2885	1539.4	1.097	7.06	8.5
99	99	25.19	36.725	4.61		1	24.613	25.168	338.2	.3779	1538.8	1.883	9.51	6.3
124	124	23.854	37.019	4.21		1	25.333	23.514	270.7	.4542	1535.6	2.744	7.68	7.8
149	149	23.46	36.849	3.74		2	25.890	21.431	227.1	.5167	1530.6	3.611	6.74	8.9
174	174	19.77	36.718	3.59		2	26.159	19.473	193.8	.5696	1528.4	4.480	4.67	12.8
199	199	18.45	36.494	3.56		3	26.329	18.415	178.2	.6163	1522.8	5.371	4.41	13.6
223	223	17.61	36.411	3.70		3	26.475	17.572	165.0	.6577	1520.7	6.265	4.41	15.4
248	248	16.82	36.311	3.86		3	26.593	16.779	154.5	.6978	1518.7	7.233	3.89	19.0
273	273	15.83	36.111	3.53		5	26.668	15.786	147.8	.7358	1515.8	8.248	2.61	23.0
298	298	15.34	36.033	3.69		5	26.720	15.293	143.5	.7725	1514.6	9.320	3.25	18.5
348	348	13.49	35.719	3.32		7	26.879	13.440	129.2	.8410	1509.1	11.584	2.71	22.1
397	397	11.89	35.429	3.13		11	26.979	11.838	119.7	.9024	1504.1	13.925	2.52	23.8
496	496	11.30	35.073	2.91		16	27.155	11.024	103.1	1.0135	1496.0	18.975	1.94	30.9
596	596	7.25	34.798	2.89		22	27.249	7.191	93.7	1.1126	1489.5	24.511	1.77	33.8
682	682	6.62	34.778	3.07		22	27.325	6.556	87.0	1.1909	1488.5	29.164	2.01	29.8
781	781	5.94	34.842	3.40		24	27.442	5.870	76.4	1.2724	1487.4	35.747	2.15	27.9
880	880	5.40	34.899	3.91		26	27.578	5.324	64.0	1.3425	1487.0	41.702	1.99	35.5
980	980	4.93	34.930	4.19		26	27.659	4.848	56.6	1.4034	1486.8	47.508	1.86	47.6
1180	1180	4.41	34.965	4.63		27	27.746	4.314	49.4	1.5106	1486.0	54.134	1.73	83.9
1377	1377	4.13	34.991	5.36		28	27.809	4.000	47.7	1.7057	1485.0	66.980	.33	181.8
1574	1574	4.06	34.988	5.00		29	27.800	3.892	50.6	1.9034	1499.9	123.305	.20	305.5
1974	1974	4.065	34.991	5.00		29	27.813	3.876	54.3	2.1147	1506.8	170.848	.07	822.3
2371	2371	4.085	34.986	5.06		29	27.811	3.857	58.5	2.3429	1513.7	231.613	.13	468.3
2769	2769	4.110	34.986	5.02		29	27.812	3.841	62.4	2.5873	1520.7	306.803	.13	472.3
3166	3166	4.140	34.985	5.02		29	27.811	3.852	66.7	2.8489	1527.8	398.113	.00	472.3
3563	3563	4.200	34.985	5.06		29	27.811	3.852	66.7	2.8489	1527.8	398.113	.00	472.3

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD	
31	6N	37	442	27 11 74	12 03	16 28.5 N	73 2.4 W								
	DEPTH	PRESS	SAL	OX	P04	PH05	SIL	SIGMA T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
	1	1	35.503					23.524	25.710	437.4	.0000	1537.1	.000	.77	77.8
	25	25	35.503					23.519	25.724	439.0	.1053	1537.5	.140	.84	71.2
	49	49	35.508					23.525	25.719	439.6	.2109	1537.9	.541	.57	105.7
	74	74	35.505					23.527	25.704	440.5	.4308	1538.3	1.235	2.86	21.0
	99	99	35.540					23.592	25.578	435.5	.4308	1538.5	2.205	7.94	7.6
	124	124	36.325					24.096	25.862	388.7	.5341	1540.4	3.376	9.54	6.3
	148	148	36.861					24.793	24.918	323.5	.6198	1539.2	4.561	7.13	8.4
	173	173	36.912					25.196	23.703	286.1	.6963	1536.8	5.811	7.30	8.2
	198	198	36.995					25.618	22.470	246.8	.7632	1534.3	7.076	.00	.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 6N 37 443 28 11 74 18.9 19 31.3 N 75 55.7 W 5472

DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
1	1	28.93	35.918	4.93		2	23.768	25.930	4.14.1	.0000	1538.0	.000	.043	138.1
25	25	25.94	35.918	4.95		2	23.767	25.934	4.15.4	.0997	1538.4	.133	2.14	28.0
50	50	25.92	35.956	5.05		2	23.804	25.909	4.13.1	.2035	1538.8	.531	6.43	9.3
100	100	24.89	36.403	4.93		2	24.462	24.868	3.52.7	.3954	1537.6	1.966	4.07	14.8
140	140	24.49	36.512	4.80		1	24.672	24.460	3.4.5	.5333	1537.6	3.654	4.81	12.5
160	160	24.14	36.572	4.64		1	24.819	24.196	3.21.3	.5991	1537.2	4.664	4.81	10.9
180	180	22.50	36.731	4.30		1	25.477	22.284	2.59.4	.6574	1533.2	5.673	10.18	8.8
200*	200	21.42	36.793	4.61		1	25.772	21.381	2.32.0	.7068	1531.3	6.631	8.25	7.3
210	210	20.56	36.766	4.09		1	25.987	20.520	2.11.8	.7291	1529.2	7.099	5.59	11.5
220*	220	20.16	36.736	4.09		1	26.072	20.118	2.04.1	.7500	1528.2	7.559	5.59	10.7
250	250	18.87	36.679	4.08		2	26.366	18.825	1.76.9	.8074	1525.1	8.937	3.35	17.9
299*	300	17.50	36.450	4.27		2	26.535	17.449	1.62.5	.8910	1521.7	11.280	2.65	22.7
349	350	16.63	36.313	4.03		3	26.682	16.572	1.53.5	.9703	1519.7	13.913	2.44	24.6
399*	400	15.66	36.136	4.02		4	26.731	15.597	1.46.2	1.0457	1517.4	16.802	2.50	24.0
499*	501	13.78	35.839	3.65		7	26.914	13.707	1.30.6	1.1851	1512.7	23.183	2.50	24.0
698*	602	11.41	35.454	3.63		11	27.026	11.332	1.14.6	1.3086	1505.8	30.106	2.35	25.6
798*	701	6.79	35.134	3.15		17	27.283	10.091	1.00.5	1.4159	1499.0	37.224	2.49	24.1
899	802	6.79	34.878	3.22		23	27.328	6.713	8.3.8	1.5089	1491.2	44.329	2.18	27.1
1099	904	5.90	34.900	3.76		25	27.518	5.813	7.0.9	1.5878	1485.3	51.176	1.82	33.0
1299	1106	4.77	34.960	4.07		24	27.722	4.678	5.3.7	1.7136	1488.2	63.931	1.05	57.1
1498	1309	4.48	34.925	5.27		20	27.764	4.372	4.9.8	1.8178	1490.3	76.746	.56	107.8
1898*	1510	4.35	34.993	5.44		19	27.778	4.225	4.9.8	1.9177	1493.1	91.133	.48	124.0
2197*	1915	4.24	35.003	5.67		17	27.802	4.077	5.1.4	2.1227	1499.4	127.089	.30	198.7
2597*	2220	4.17	34.998	5.75		17	27.857	3.8978	5.3.8	2.2827	1504.2	160.976	.37	162.5
2997*	3033	4.125	34.998	5.72		18	27.817	3.891	5.6.4	2.5061	1510.8	210.387	.40	150.3
3397*	3441	4.165	34.997	5.76		18	27.796	3.886	6.2.5	2.7481	1517.8	266.609	.42	142.1
3796	3849	4.175	34.991	5.98		18	27.816	3.848	6.4.5	3.0071	1524.8	372.384	.09	169.5
4196*	4258	4.220	34.991	5.75		18	27.817	3.843	6.8.6	3.2785	1531.9	473.636	.07	853.2
452*	4620	4.27	35.000	5.75		18	27.817	3.850	7.2.9	3.5681	1539.2	533.806	.43	1391.5
4653*	4727	4.34	34.994	5.76		18	27.828	3.806	7.4.2	3.7611	1543.7	600.389	.43	1321.7
4953*	4932	4.35	34.996	5.81		18	27.819	3.846	7.7.6	3.9176	1547.5	754.357	.29	205.8
5054*	5035	4.37	34.993	5.76		18	27.822	3.828	7.9.2	4.0785	1551.1	832.808	.42	144.3
5154*	5138	4.41	34.994	5.83		17	27.822	3.819	8.0.3	4.1607	1553.0	875.664	.43	138.0
5254*	5241	4.41	34.993	5.76		18	27.818	3.843	8.1.3	4.2448	1554.7	919.397	.44	136.0
5304*	5344	4.42	35.000	5.76		18	27.818	3.843	8.3.0	4.3293	1556.6	964.191	.44	135.5
5354*	5397	4.445	34.993	5.76		18	27.824	3.839	8.3.6	4.4149	1558.5	1010.486	.75	179.8
5404*	5445	4.435	34.993	5.77		18	27.817	3.835	8.4.8	4.4582	1559.5	1034.244	.49	121.3
5454*	5498	4.435	34.993	5.77		18	27.819	3.838	8.5.0	4.5019	1560.3	1058.456	.24	250.1
5484*	5550	4.450	34.994	5.73		18	27.819	3.846	8.5.7	4.5458	1561.3	1083.020	.42	143.2
5484*	5550	4.480	34.997	5.73		20	27.819	3.867	8.6.5	4.5901	1562.3	1108.027	.40	143.2

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	444	1-11-74	1.1	19 33.2 N	75 35.2 W	4710						
DEPTH	PRESS	TEMP	SAL	ØX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.70	35.917	5.12		2	23.839	25.700	407.3	.000	1537.5	.000	1.61	37.4
25	25	25.73	35.901	5.04		2	23.819	25.724	410.4	.0983	1537.9	.131	2.86	21.0
49	49	25.76	35.994	5.14		2	23.882	25.749	405.5	.1964	1538.5	.508	6.83	8.8
99	99	24.71	36.547	4.55		1	23.625	24.688	337.1	.3836	1537.5	1.865	6.08	9.9
148	148	23.04	36.650	4.67		1	25.201	23.009	284.3	.5353	1534.4	3.770	6.12	9.8
178	178	22.00	36.726	4.29		1	25.557	21.964	251.5	.6161	1532.3	5.110	6.46	9.3
198	198	21.07	36.732	4.23		1	25.821	21.031	227.1	.6641	1530.3	6.034	5.97	10.1
208	208	20.67	36.736	4.21		1	25.934	21.030	216.8	.6864	1529.4	6.498	5.58	10.8
247	247	19.09	36.687	4.05		2	26.316	19.045	181.6	.7645	1525.7	8.306	3.31	18.2
297	298	17.88	36.506	4.35		2	26.485	17.828	167.1	.8522	1522.8	10.742	2.84	21.1
347	348	16.94	36.367	4.44		2	26.608	16.882	156.8	.9336	1520.7	13.426	2.21	27.1
396	397	16.20	36.231	4.29		3	26.680	16.136	151.3	.9396	1519.1	16.318	2.21	29.6
495	497	13.62	35.810	3.65		7	26.925	13.548	123.3	1.0254	1512.0	22.657	2.36	23.4
595	598	11.60	35.492	3.41		11	27.080	11.522	115.3	1.2726	1506.5	29.517	2.30	26.1
696	699	9.62	35.221	3.26		15	27.229	9.339	101.8	1.3831	1500.7	36.811	2.38	25.8
796	800	7.16	34.912	3.20		23	27.359	7.081	86.7	1.4782	1492.6	44.062	2.32	25.8
896	901	5.86	34.877	3.62		26	27.505	5.779	72.0	1.5583	1489.1	50.993	2.38	25.2
996	1002	4.92	34.935	4.35		26	27.664	4.836	56.3	1.6231	1487.0	57.259	1.13	33.1
1265	1274	4.41	34.980	4.91		24	27.759	4.830	49.2	1.7666	1489.5	73.818	.61	39.0
1863	1876	4.28	34.996	5.50		19	27.789	4.149	49.2	1.9150	1493.9	95.444	.50	120.4
1862	1879	4.17	35.000	5.75		16	27.806	4.012	50.3	2.0658	1498.5	122.085	.34	177.5
2160	2181	4.16	35.006	5.85		15	27.815	3.972	52.4	2.2210	1503.5	154.349	.30	200.2
2459	2485	4.10	34.998	5.89		16	27.818	3.881	54.8	2.3339	1508.4	193.232	.21	284.6
2758	2789	4.10	35.005	5.87		16	27.823	3.868	57.5	2.5546	1513.7	239.323	.21	152.4
3058	3095	4.155	35.020	5.80		17	27.837	3.868	59.3	2.7330	1518.9	293.016	.22	272.8
3454	3494	4.238	34.994	5.79		17	27.822	3.846	68.7	3.2513	1533.0	479.998	.13	453.6
3851	4210	4.275	34.998	5.80		17	27.818	3.838	73.1	3.5230	1540.1	600.919	.13	472.4
4247	4716	4.340	34.993	5.79		17	27.818	3.848	77.6	3.8449	1547.3	742.228	.00	1.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 6N 37 445 1-III-74 6.2 19 37.8 N 75 14.0 W 4430

DEPTH	PRESS	TEMP	SAL	OX	PH8	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
1	1	25.85	35.924	5.07		2	23.798	25.850	41.3	.0000	1537.8	.000	1.04	57.8
25	25	25.86	35.915	5.14		2	23.790	25.854	41.3	.0991	1538.3	.132	1.95	63.4
49	49	25.87	35.926	5.34		2	23.796	25.859	41.3	.1986	1538.7	.509	6.70	9.0
99	99	24.97	36.591	4.89		1	24.511	24.948	347.9	.3895	1538.9	1.914	7.11	8.4
148	148	22.82	36.696	4.89		1	25.259	22.790	274.9	.5426	1539.9	3.806	6.11	9.2
175	175	21.89	36.715	4.38		1	25.664	21.555	241.2	.6126	1531.2	4.957	6.05	9.9
197	197	20.63	36.702	4.28		1	26.918	20.592	217.8	.6833	1529.1	4.957	6.05	9.9
207*	207*	20.05	36.686	4.30		1	26.062	20.011	204.4	.6845	1527.6	6.360	4.35	13.8
247	247	19.18	36.698	4.22		2	26.901	19.135	183.1	.7624	1525.9	8.165	3.62	16.6
297*	297*	17.77	36.496	4.37		2	26.504	17.719	165.2	.8499	1522.5	10.596	2.58	23.2
346	346	16.59	36.377	4.56		2	26.604	16.932	157.2	.9294	1520.8	13.211	2.66	22.5
396*	396*	15.88	36.174	4.26		4	26.710	15.816	148.2	1.0062	1518.1	16.131	2.73	22.0
495	495	13.56	35.794	3.71		7	26.925	13.488	129.2	1.1445	1511.8	22.407	2.35	25.6
594*	594*	11.47	35.455	3.24		1	27.076	11.393	115.6	1.2665	1505.9	29.198	2.29	26.2
694	694	9.67	35.226	3.25		1	27.217	10.588	102.2	1.3763	1500.9	36.427	2.31	26.0
793*	793*	7.80	35.022	3.37		1	27.353	7.717	88.4	1.4715	1495.2	43.664	2.19	27.5
893	893	6.45	34.940	3.76		2	27.479	6.365	75.7	1.5543	1491.5	50.809	2.29	26.2
993*	993*	5.20	34.911	4.14		2	27.617	5.115	61.3	1.6235	1487.1	57.483	1.86	26.2
1076*	1076*	4.75	34.952	4.50		2	27.698	4.660	53.7	1.6717	1487.7	62.604	1.02	27.1
1225	1234	4.47	34.967	4.89		2	27.742	4.369	50.5	1.7502	1489.0	71.885	.82	73.6
1424*	1435	4.31	34.989	5.39		2	27.778	4.192	48.8	1.8502	1491.7	85.508	.52	114.5
1524*	1536	4.28	34.993	5.47		1	27.786	4.153	49.1	1.8998	1493.3	93.033	.62	136.2
1623*	1637	4.21	34.994	5.60		1	27.795	4.075	49.0	1.9490	1494.7	101.008	.33	181.0
1922	1940	4.19	34.998	5.80		1	27.803	4.026	51.2	2.1009	1499.6	128.830	.34	176.3
2220*	2446	4.14	35.001	5.84		1	27.816	3.925	54.8	2.1009	1507.9	128.830	.18	334.5
2918	2952	4.12	34.991	5.73		1	27.816	3.850	59.5	2.6589	1516.3	269.418	.14	438.0
3416*	3460	4.10	34.995	5.75		1	27.819	3.851	64.5	2.9739	1525.2	372.959	.10	581.2
3914	4479	4.305	34.989	5.74		1	27.815	3.845	79.3	3.6862	1543.1	664.808	.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DEPTH	TEMP	SAL	PHOS	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	446	1-11-74	12:3	19 43.8 N	74 40.2 W	3210	1	25.84	36.044			23.891	25.840	402.3	.0909	1538.0	.009	7.63	87.3
									25	25.84	36.037			23.888	25.834	403.8	.0969	1538.3	.129	7.72	144.5
									50	25.85	36.037			23.886	25.839	405.2	.1983	1538.8	.519	4.14	14.5
									75	25.83	36.208			24.023	25.813	393.3	.2983	1533.3	1.157	6.65	9.0
									100	25.12	36.281			24.375	25.098	361.0	.3929	1538.3	1.999	4.37	13.7
									124	24.78	36.436			24.451	24.753	348.2	.4782	1538.0	2.976	7.92	17.6
									149	23.56	36.510			25.019	23.529	301.7	.5597	1535.6	4.109	7.00	8.6
									174	22.43	36.689			25.47	22.395	265.7	.6309	1533.3	5.281	7.11	8.4
									199	21.19	36.758			25.808	21.151	228.4	.6930	1530.6	6.461	7.00	9.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	447	2-11-74	11	20 25.0 N	73 30.0 W	3500						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-THETA	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.84	36.046	4.94		2	23.902	25.810	401.3	0.000	1537.9	0.009	0.76	79.0
2	2	25.85	36.066	4.90		2	23.906	25.845	402.0	0.026	1538.4	0.11	1.35	44.4
4	4	25.90	36.103	5.04		2	23.920	25.889	401.8	0.183	1538.9	0.475	7.34	8.2
7	7	24.26	36.847	4.79		1	24.760	24.239	324.0	0.376	1536.4	1.751	5.99	10.0
14	14	22.86												
17	17	21.55	36.664	4.61		1	25.636	21.516	243.8	0.570	1531.1	4.676	6.29	9.5
19	19	20.83	36.732	4.39		1	25.887	20.793	220.7	0.637	1529.6	5.554	3.52	17.1
20	20	20.76	36.758	4.37		1	25.926	20.721	217.4	0.657	1529.6	6.003	5.20	11.6
24	24	19.12	36.610	4.51		1	26.249	19.076	187.8	0.731	1525.6	7.761	3.78	15.9
29	29	17.98	36.517	4.31		2	26.468	17.929	168.5	0.820	1523.0	10.148	2.58	23.3
34	34	17.31	36.431	4.38		2	26.568	17.252	160.5	0.919	1521.8	12.768	2.43	24.7
38	38	16.82	36.392	4.38		3	26.658	16.755	153.6	0.979	1521.1	15.660	2.49	24.1
48	48	14.58	35.958	3.84		5	26.836	14.506	138.4	1.124	1515.2	22.171	2.22	27.0
58	58	12.90	35.678	3.50		8	26.972	12.818	126.8	1.255	1511.0	29.361	2.61	23.0
65	65	10.51	35.331	3.18		13	27.155	10.425	109.1	1.373	1503.9	37.001	2.29	26.2
78	78	8.79	35.136	3.20		17	27.292	8.703	95.8	1.475	1499.0	44.690	2.31	25.9
84	84	7.23	35.016	3.61		20	27.432	7.141	81.6	1.565	1494.5	52.326	2.40	25.0
98	98	6.20	35.040	4.40		17	27.591	6.110	66.1	1.630	1492.1	59.371	1.91	31.4
105	105													
129	129	5.36	35.045	5.11		15	27.701	5.263	55.3	1.707	1490.6	66.678	1.26	47.5
142	142	4.55	35.022	5.74		14	27.777	4.442	48.3	1.811	1490.6	79.423	0.89	67.4
162	162	4.10	35.001	5.99		14	27.811	3.978	45.8	1.906	1492.0	92.519	0.67	89.6
180	180	3.88	34.994	6.04		15	27.830	3.742	45.1	1.988	1494.4	108.023	0.61	98.0
190	190	3.72	34.991	6.08		16	27.845	3.565	44.9	2.086	1497.1	124.708	0.52	114.9
200	200	3.57	34.981	6.07		17	27.854	3.398	45.1	2.179	1499.5	143.463	0.63	95.5
228	228	3.43	34.983	6.09		19	27.870	3.246	44.6	2.270	1503.7	163.847	0.61	99.1
258	258	3.33	34.961	6.10		22	27.883	2.916	43.9	2.404	1506.5	197.704	0.61	94.1
286	286	3.18	34.944	6.14		24	27.898	2.596	42.7	2.536	1510.3	234.943	0.58	103.9
318	318	2.62	34.933	6.13		27	27.919	2.354	41.9	2.664	1514.5	275.943	0.45	132.9
348	348	2.51	34.927	6.14		28	27.917	2.214	42.2	2.792	1519.3	319.448	0.40	150.0

COUNTRY 31 STATION 449 CRUISE 37 DATE 2-11-74 GMT 6:00 LATITUDE 20 17.8 N LONGITUDE 73 38.0 W DEPTH 1572

DEPTH	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1														
2	6N	37	449	2-11-74	6:00	20 17.8 N	73 38.0 W	1572	411.8	.0000	1538.1	.000	6.04	9.9
5		25.81	35.915	5.11		23.804	25.804			.0000	1538.1	.000	6.04	9.9
8		25.59	35.914	5.07		24.095	25.1579			.0999	1538.4	.380	7.54	8.0
9		24.55	36.207	5.04		24.638	24.579			.2082	1536.8	1.090	3.83	15.7
11		23.34	36.534	4.85		24.727	24.319			.2713	1536.6	1.669	6.13	9.8
13		23.75	36.616	4.85		24.926	23.725			.3348	1535.6	2.376	6.59	9.1
15		22.94	36.666	4.73		25.242	22.911			.3936	1534.0	3.151	6.70	9.0
17		22.23	36.773	4.63		25.527	22.198			.4471	1532.7	3.967	7.42	8.1
19		21.32	36.897	4.27		25.877	21.285			.4948	1530.8	4.790	5.02	11.9
21		21.01	36.889	4.29		25.957	20.973			.5167	1530.2	5.202	4.26	14.1
23		20.73	36.863	4.19		26.014	20.692			.5379	1529.5	5.625	5.25	11.4
25		20.24	36.792	4.25		26.109	20.170			.5585	1528.2	6.055	4.58	13.1
27		17.64	36.667	4.31		26.357	18.225			.6327	1525.0	7.786	3.33	18.0
29		16.95	36.363	4.46		26.528	17.589			.7184	1522.1	10.175	2.22	27.1
31		16.12	36.222	4.23		26.603	16.892			.7863	1518.9	12.841	2.43	24.2
33		15.14	36.046	4.23		26.691	16.055			.8763	1516.9	15.799	2.48	24.2
35		13.90	35.845	4.04		26.780	15.070			.9485	1516.4	18.930	2.81	21.4
37		11.77	35.515	3.71		26.894	13.827			1.0178	1513.0	22.284	2.82	21.3
39		10.39	35.327	3.37		27.066	11.659			1.1144	1506.7	27.569	2.00	30.1
41		8.47	35.116	3.03		27.173	10.907			1.2258	1503.3	34.686	2.42	24.8
43		7.15	34.934	3.59		27.326	10.386			1.3251	1497.5	42.017	1.99	30.1
45		6.12	35.035	4.43		27.426	7.063			1.4117	1494.0	49.314	2.48	24.2
47		5.270	35.040	5.25		27.597	6.030			1.4851	1491.6	56.221	2.04	29.5
49		4.415	35.032	5.74		27.789	5.177			1.5448	1489.8	62.449	1.29	46.6
51		4.300	35.015	5.80		27.790	4.405			1.6457	1490.0	74.514	1.35	17.1
53		4.320	35.015	6.26		27.801	4.302			1.6929	1491.2	80.915	.70	85.9
55		4.165	35.013	5.85		27.797	4.178			1.7404	1492.4	87.832	1.48	123.8
57		4.165	35.009	5.93		27.809	4.036			1.7645	1493.3	91.534	1.08	155.4
59										1.7880		95.272	1.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	450	2-III-74	8.1	20 17.5 N	73 39.0 W	1564						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
554	587	13.01	35.708	3.56		8	26.973	12.932	126.0	.0000	1510.9	7.000	2.55	23.5
654	658	10.65	35.358	3.22		12	27.151	10.569	109.0	.1184	1503.9	7.313	2.29	26.2
754*	759	8.85	35.146	3.24		17	27.290	8.766	95.5	.2215	1493.7	14.746	2.40	25.0
854	860	6.96	34.975	3.58		20	27.437	6.876	80.0	.3100	1492.9	22.033	2.10	28.6
954*	961	6.21	35.005	4.20		19	27.562	6.121	68.4	.3850	1491.7	28.976	2.27	26.4
1053	1061	5.300	35.039	5.15		15	27.703	5.208	54.4	.4464	1489.7	35.286	1.58	47.3
1253*	1263	4.510	35.023	5.73		14	27.782	4.406	47.3	.5492	1489.8	47.422	.81	103.3
1353	1364	4.410	35.017	5.82		14	27.789	4.298	47.4	.5971	1491.0	53.850	.61	73.9
1453*	1465	4.205	35.005	5.92		14	27.803	4.086	46.5	.6446	1491.8	60.720	.50	99.1
1503	1516	4.185	35.008	5.91		14	27.808	4.061	46.5	.6681	1492.6	64.308	.50	120.6
1553*	1567	4.135	35.003	5.92		14	27.809	4.007	46.7	.6917	1493.2	68.025	.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	PST EN	V FREQ	PERIOD
31	6N	37	451	2:11:74	10:2	20 16.4 N	73 39.1 W	1680						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	PST EN	V FREQ	PERIOD
1	1	25.88	35.946				23.805	25.880	410.6	.0000	1537.9	.000	.63	94.9
25	25	25.90	35.948				23.802	25.894	412.0	.0989	1538.4	.132	4.72	12.7
50	50	25.79	36.136				23.980	25.779	352.3	.2002	1538.8	.518	7.52	18.0
75	75	25.00	36.407				24.429	24.984	354.6	.2943	1537.6	1.114	5.15	11.7
100	100	24.56	36.597				24.640	24.538	335.6	.3808	1537.1	1.886	4.82	12.4
125	125	24.12	36.575				24.825	24.093	319.1	.4629	1536.6	2.889	6.91	18.7
150	150	23.02	36.646				25.204	22.989	284.1	.5386	1534.4	3.891	7.30	8.2
175	175	21.83	36.754				25.626	21.795	244.8	.6050	1531.9	4.990	6.45	9.3
200	200	20.98	36.877				25.957	20.941	214.4	.6627	1530.2	6.094	2.32	25.8
1423*	1423	4.37	35.015	5.83		14	27.793	4.252	47.7	2.2791	1492.0	76.304	.97	61.7
1472	1483	4.26	35.013	5.91		14	27.803	4.138	46.8	2.3025	1492.3	79.799	.31	194.9
1497	1509	4.23	35.008	5.91		14	27.803	4.106	47.0	2.3144	1492.6	81.616	.26	227.1
1522	1534	4.22	35.005	5.91		14	27.802	4.094	47.4	2.3263	1493.0	83.474	.88	68.1
1547	1559	4.19	35.007	5.91		14	27.807	4.062	47.1	2.3383	1493.3	85.364	.46	131.0
1572	1585	4.170	35.005	5.92		14	27.807	4.040	47.2	2.3502	1493.6	87.281	.65	91.9
1602	1615	4.150	35.006	5.94		14	27.811	4.017	47.1	2.3646	1494.1	89.623	.53	113.2
1632	1645	4.145	35.008	5.94		14	27.813	4.010	47.2	2.3789	1494.6	92.010	.75	179.5
1652	1666	4.140	35.002	5.97		14	27.809	4.003	47.7	2.3885	1494.9	93.637	.72	83.8
1662	1676	4.135	35.003	5.94		14	27.810	3.997	47.7	2.3933	1495.0	94.463	.86	69.5
1672*	1686	4.125	35.004	5.98		14	27.812	3.986	47.6	2.3982	1495.1	95.292	.00	.0

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COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DETA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD	
31	6N	37	452	3·III·74	10·2	20 14·0 N	71 16·0 W								
	DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA=	THETA	DETA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
	25	25	24.86	35.962				THETA	24.860	379.5	.0000	1535.6	.000	.06	927.1
	50*	50	24.88	35.968				24.131	24.875	380.6	.0914	1536.0	.122	2.58	23.2
	75	75	25.07	36.113				24.184	25.059	376.7	.1863	1537.1	.486	6.40	9.4
	100*	100	25.10	36.555				24.511	25.083	346.8	.2770	1538.0	1.062	7.12	8.4
	125	125	24.32	36.774				24.914	24.298	309.5	.3593	1538.9	1.794	5.60	10.7
	150*	150	23.69	36.853				25.163	23.664	286.9	.4342	1535.8	2.653	6.50	9.2
	175	175	22.70	36.913				25.499	22.669	256.0	.5023	1533.9	3.608	6.17	9.7
	200*	200	21.64	36.913				25.800	21.605	228.3	.5631	1531.6	4.616	5.02	12.0
			20.74	36.847				25.999	20.701	210.3	.6182	1529.6	5.673	.00	.0

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COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DEPTH	PRESS	TEMP	SAL	OX	PO4	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	453	4-11-74	8.5	18 36.0 N	67 56.0 W	157																
1		25.45	35.551	4.89			25.450	426.3	.0000												1536.5	.000	3.79	15.8
10		25.48	35.617	5.07			23.640	422.8	.0383												1536.8	.021	6.40	9.4
20		25.31	35.720	4.96			23.681	410.8	.0500												1536.7	.085	2.60	23.1
39		25.24	35.744	4.95			23.812	407.8	.1580												1536.9	.320	6.52	9.2
59		25.04	36.020	4.95			23.853	382.9	.2372												1537.0	.715	7.48	8.0
79		24.71	36.358	4.85			24.124	349.8	.3107												1537.0	1.231	9.84	6.1
98*		23.71	36.736	4.76			24.481	294.8	.3721												1535.3	1.783	6.78	8.9
118		22.77	36.758	4.67			25.067	267.9	.4286												1533.3	2.405	4.89	12.3
138*		22.32	36.787	4.50			25.359	254.3	.4810												1532.6	3.091	.00	.0

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE DEPTH
 31 6N 37 484 4011174 10:5 18 33:0 N 67 46:0 W 702

DEPTH	PRESS	TEMP	SAL	OX	PO4	PHOS	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	PBT EN	V FREQ	PERIOD
1	1	25.36	35.419	4.97			2	23.568	25.360	433.2	.0000	1536.2	.000	4.50	13.3
25	25	25.41	35.443	5.02			2	23.579	25.454	433.3	.0064	1536.4	1.411	4.50	13.3
49	49	25.29	35.767	4.87			2	23.991	25.149	395.1	.2149	1537.0	1.942	4.16	14.4
74	74	24.94	36.150	4.83			2	24.417	24.603	355.9	.3241	1536.6	2.654	7.07	18.5
98	98	24.36	36.654	4.63			1	25.224	24.426	322.4	.4262	1537.2	3.629	8.54	7.0
121	121	23.44	36.819	4.48			1	25.460	23.383	281.3	.4867	1535.2	4.363	7.39	8.1
145	145	22.89	36.872	4.20			1	25.951	22.729	259.7	.5411	1534.0	5.135	5.14	11.7
169	169	21.74	36.906	4.04			1	26.415	21.031	214.9	.6578	1530.5	7.184	6.82	10.8
193	193	20.82	36.881	3.87			1	26.696	18.376	172.1	.7551	1529.7	9.379	5.58	10.8
25	25	25.46	35.395	4.04			2	26.573	25.914	158.4	.8365	1520.8	11.646	6.39	9.14
50	50	25.16	35.894	4.00			3	26.790	17.170	158.4	.8365	1520.8	11.646	3.00	20.0
79	79	24.62	36.237	4.04			4	26.696	15.914	147.9	.9135	1517.5	14.185	7.19	8.8
109	109	24.45	36.652	3.87			4	26.790	14.949	140.0	.9845	1515.2	16.887	6.19	9.7
149	149	23.41	36.824	3.67			5	26.890	13.854	131.3	1.0528	1512.3	19.892	8.32	7.2
198	198	22.76	36.885	3.61			8	26.961	13.040	125.4	1.1174	1510.3	22.954	6.10	9.8
198	198	21.07	36.902	3.31			11	27.091	11.399	112.8	1.1762	1505.2	26.089	5.62	10.7
248	248	18.42	36.411	3.31			13	27.168	10.407	105.6	1.2313	1505.2	29.307	2.85	21.0
297	297	17.22	36.185	3.26			17	27.280	8.828	94.1	1.2806	1494.9	35.438	2.54	23.7
347	347	15.97	36.024	3.04			18	27.350	8.046	87.3	1.3263	1494.9	35.438	2.62	23.9
396	396	13.92	35.024	3.04			18	27.350	8.046	87.3	1.3263	1494.9	35.438	3.07	27.1
446	446	13.11	35.721	3.04			18	27.350	8.046	87.3	1.3263	1494.9	35.438	2.21	27.1
496	496	11.47	35.476	3.04			18	27.350	8.046	87.3	1.3263	1494.9	35.438	3.07	19.5
545	545	11.47	35.476	3.04			18	27.350	8.046	87.3	1.3263	1494.9	35.438	2.93	25.3
595	595	10.48	35.344	3.04			18	27.350	8.046	87.3	1.3263	1494.9	35.438	2.93	20.5
644	644	8.90	35.147	3.04			18	27.350	8.046	87.3	1.3263	1494.9	35.438	2.27	20.5
697	697	8.12	35.061	3.04			18	27.350	8.046	87.3	1.3263	1494.9	35.438	.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V	FREQ	PERIOD
31	6N	37	455	4-11-74	15.1	18 30.2 N	67 35.7 W	1083							
DEPTH	PRESS	TEMP	SAL	OX	P84	PHOS	SIL	SIGMA-T	THETA						
1	1	25.39	35.659	4.91			2	23.740	25.390	0.000	1536.5	0.000		2.91	20.6
25	25	25.29	35.702	4.93			2	23.805	25.284	0.000	1536.7	0.000		5.14	11.7
49	49	25.13	35.903	5.03			2	24.007	25.119	0.000	1536.9	0.000		6.86	8.8
79	79	25.09	36.480	4.85			2	24.457	25.073	0.000	1538.0	0.000		5.47	11.0
98	98	24.87	36.629	4.83			1	24.638	23.849	0.000	1536.0	0.000		7.53	8.0
118	118	23.98	36.750	4.69			1	24.999	23.955	0.000	1536.3	0.000		7.89	7.6
138	138	22.89	36.849	4.55			1	25.395	22.862	0.000	1534.1	0.000		8.18	7.3
157	157	21.62	36.904	4.30			1	25.798	21.589	0.000	1531.2	0.000		6.12	9.8
177	177	20.82	36.925	4.09			1	26.035	20.786	0.000	1529.5	0.000		4.13	14.5
187	187	20.52	36.888	4.01			1	26.089	20.484	0.000	1528.8	0.000		6.08	19.9
197	197	20.08	36.886	4.06			1	26.206	20.043	0.000	1527.8	0.000		1.84	36.6
206	206	19.86	36.818	4.04			2	26.213	19.821	0.000	1527.3	0.000		3.35	17.9
246	246	17.94	36.685	4.06			2	26.353	18.895	0.000	1525.2	0.000		3.48	17.3
295	295	17.57	36.460	4.07			2	26.479	17.479	0.000	1521.7	0.000		2.71	22.2
344	344	16.57	36.300	4.30			3	26.644	16.513	0.000	1519.5	0.000		2.83	21.2
393	393	15.31	36.094	3.91			5	26.761	15.248	0.000	1516.1	0.000		2.63	23.6
442	442	14.27	35.892	3.70			6	26.861	14.154	0.000	1513.2	0.000		2.34	25.6
492	492	13.27	35.763	3.54			8	26.940	13.300	0.000	1511.1	0.000		1.61	37.3
579	579	13.49	35.783	3.61			8	26.931	13.421	0.000	1511.3	0.000		1.90	31.6
628	628	12.89	35.687	3.50			9	26.979	12.821	0.000	1510.0	0.000		2.57	23.4
629	629	10.25	35.284	3.14			13	27.163	10.174	0.000	1507.7	0.000		2.41	24.9
730	730	8.68	35.158	3.45			16	27.325	8.599	0.000	1497.0	0.000		2.11	28.4
830	830	7.42	35.067	3.74			18	27.444	7.336	0.000	1494.4	0.000		2.23	27.0
939	939	6.15	35.014	4.30			18	27.576	6.069	0.000	1491.0	0.000		1.90	31.3
1036	1036	5.46	35.027	4.85			17	27.674	5.369	0.000	1489.9	0.000		1.00	31.0

COUNTRY 31 SHIP 6N CRUISE 37 STATION 456 DATE 4-11-74 GMT 18:00 LATITUDE 18 29.2 N LONGITUDE 67 31.0 W DEPTH 1517

DEPTH	PRESS	TEMP	SAL	OX	PO4	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	POT EN.	V FREQ	PERIOD
1		25.62	35.655	5.06			2	23.666	25.620	423.8	0.000	1537.0	0.000	3.96	15.2
24		25.36	35.699	5.04			2	23.781	25.355	413.9	0.065	1536.8	0.122	4.55	13.2
49		25.16	35.834	5.13			2	23.946	25.149	399.4	0.194	1536.9	0.501	3.57	16.8
78		25.13	35.975	4.98			2	24.064	25.113	389.5	0.311	1537.5	1.244	10.88	5.5
98		24.36	36.664	4.73			1	24.819	24.339	318.5	0.384	1536.8	1.877	17.93	7.6
118		23.33	36.788	4.65			1	25.219	23.305	261.2	0.442	1534.8	2.539	5.11	11.7
138		22.88	36.833	4.56			1	25.385	22.852	266.3	0.492	1534.0	3.258	5.53	10.9
157		22.41	36.897	4.47			1	25.570	22.878	249.5	0.544	1533.2	4.000	4.23	14.2
177		22.14	36.944	4.35			1	25.683	22.104	239.6	0.595	1532.9	4.840	5.13	11.7
187		21.90	36.964	4.34			1	25.767	21.863	232.1	0.622	1532.5	5.282	3.11	19.3
197		21.79	36.963	4.25			1	25.798	21.751	229.6	0.644	1532.4	5.738	8.13	7.4
207		20.89	36.909	4.14			1	26.006	20.850	210.0	0.665	1530.2	6.195	4.73	12.7
247		19.49	36.785	4.06			2	26.287	19.444	184.5	0.758	1526.9	8.030	4.08	14.7
297		17.22	36.371	4.05			3	26.542	17.170	161.3	0.828	1520.7	10.441	2.30	26.1
349		16.69	36.312	4.19			3	26.626	16.632	155.0	0.919	1519.9	13.122	2.28	26.3
398		15.88	36.165	3.99			4	26.703	15.816	149.0	0.970	1518.1	16.045	2.03	29.5
448		15.30	36.072	3.91			5	26.764	15.230	144.4	1.062	1517.0	19.248	3.34	18.0
499		13.56	35.800	3.57			7	26.930	13.488	128.9	1.134	1511.9	22.650	2.90	20.7
506		13.320	36.173	3.96			4	26.946	13.248	127.3	1.134	1511.2	23.116	2.08	28.8
606		11.825	35.530	3.37			10	27.068	11.745	117.1	1.265	1507.5	30.120	2.72	25.1
706		8.880	35.116	3.13			17	27.260	8.801	97.2	1.375	1498.0	37.349	2.18	27.5
805		7.575	35.024	3.43			19	27.388	7.492	85.0	1.465	1494.5	44.382	2.78	21.6
905		5.995	35.022	4.39			18	27.602	5.912	63.4	1.540	1490.0	50.907	1.86	23.3
1005		5.265	35.025	5.04			16	27.695	5.178	54.4	1.598	1488.7	56.726	1.21	49.5
1104		4.920	35.020	5.33			15	27.732	4.826	51.3	1.657	1488.9	62.455	1.10	54.3
1303		4.315	35.007	6.02			14	27.797	4.208	46.3	1.759	1489.7	74.576	0.80	74.9
1402		4.185	35.008	5.88			14	27.807	4.007	45.5	1.799	1490.5	80.984	0.37	160.4
1501		4.130	35.002	5.90			14	27.808	4.007	46.2	1.842	1492.3	87.858	0.00	160.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	PBT EN	Y FRES	PERIOD
31	6N	37	487	4-11-74	20.3	18 27.5 N	67 25.6 W	1360						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	PBT EN	Y FRES	PERIOD
1	1	25.74	35.639	4.94		2	23.617	25.740	428.5	0.000	1537.3	0.00	3.16	19.0
26	26	25.52	35.648	4.93		2	23.694	25.514	422.4	0.1023	1537.2	0.135	4.69	12.8
50	50	25.32	35.726	4.98		2	23.868	25.399	406.8	0.2061	1537.3	0.532	4.77	13.4
79	79	25.19	35.985	4.89		2	24.053	25.173	390.6	0.3220	1537.7	1.293	9.16	16.5
99	99	24.81	36.539	4.78		1	24.889	24.788	340.6	0.3954	1537.7	1.957	9.36	6.4
119	119	24.30	36.682	4.48		1	25.148	23.275	288.1	0.4584	1534.6	2.655	4.86	12.3
139	139	22.88	36.719	4.42		1	25.299	22.851	274.5	0.5149	1533.9	3.400	5.75	10.4
159	159	22.46	36.836	4.37		1	25.510	22.428	265.4	0.5681	1533.3	4.211	8.06	7.4
179	179	20.77	36.758	4.12		2	25.922	20.735	216.7	0.6155	1529.2	5.028	5.37	11.0
189	189	20.26	36.699	4.08		2	26.015	20.224	208.1	0.6369	1527.9	5.430	5.37	11.2
199	199	20.01	36.731	4.04		2	26.107	19.973	199.8	0.6574	1527.5	5.837	3.56	16.8
209	209	19.52	36.752	4.02		2	26.147	19.881	196.4	0.6773	1527.4	6.254	4.06	14.8
248	248	18.25	36.447	3.95		3	26.346	18.206	178.5	0.7507	1523.0	7.969	3.89	15.4
298	298	17.32	36.456	4.05		3	26.583	17.269	157.5	0.8352	1521.1	10.321	2.09	28.7
348	348	16.41	36.255	4.09		3	26.648	16.353	152.8	0.9133	1519.0	12.904	2.06	27.7
397	397	15.75	36.144	3.99		4	26.716	15.687	147.6	0.9873	1517.6	15.731	1.97	30.4
447	447	15.14	36.138	3.79		5	26.773	15.070	143.4	1.0605	1516.4	18.900	2.76	21.6
497	497	14.02	35.868	3.65		7	26.886	13.946	133.4	1.1302	1513.5	22.270	2.66	22.6
647	650	10.91	35.320	3.24		14	27.181	10.231	105.5	1.3107	1508.5	32.714	2.66	22.6
697	700	8.83	35.138	3.28		17	27.285	8.752	94.6	1.3611	1497.7	36.190	2.06	21.6
746	750	8.30	35.107	3.41		18	27.344	8.220	89.2	1.4065	1496.5	39.154	2.06	29.8
796	800	7.75	35.071	3.57		19	27.399	7.667	84.1	1.4502	1495.1	43.015	1.87	32.6
846	851	7.25	35.035	3.69		20	27.444	7.165	79.9	1.4916	1494.0	46.903	2.37	25.3
896	901	6.48	34.994	3.97		20	27.532	6.650	72.2	1.5300	1491.7	49.935	2.04	29.4
995	1001	5.74	35.018	4.60		18	27.632	6.132	61.3	1.5964	1490.5	56.199	1.87	33.1
1094	1102	5.04	35.020	5.24		16	27.719	4.946	52.8	1.6544	1489.3	62.576	1.01	59.5
1194	1202	4.780	35.012	5.46		15	27.743	4.679	51.0	1.7063	1489.8	68.691	1.01	53.0
1294	1303	4.490	35.010	5.65		14	27.774	4.383	48.4	1.7565	1490.3	75.120	1.01	53.0
1344	1354	4.460	35.011	5.68		15	27.779	4.348	48.4	1.7810	1491.0	78.444	1.01	53.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DEPTH	DELTA	DYN HT	SND VEL	PST EN	V FREQ	PERIOD
31	6N	37	458	4-III-74	22.2	18 26.0 N	67 21.0 W	953							
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA _T	THETA	DELTA	DYN HT	SND VEL	PST EN	V FREQ	PERIOD	
1	1	25.66	35.559	5.05		2	23.582	25.660	431.9	.0000	1537.0	.000	3.40	17.7	
25	25	25.48	35.600	5.06		2	23.670	25.474	424.6	.1030	1537.0	.136	4.40	13.6	
50	50	25.33	35.741	5.27		2	23.824	25.319	411.1	.2076	1537.0	.536	5.17	11.6	
80	80	25.14	36.000	4.96		2	24.080	25.122	388.1	.3278	1537.6	1.330	8.13	7.4	
100	100	24.56	36.322	4.79		2	24.500	24.538	348.9	.4017	1536.9	2.007	9.46	6.3	
120	120	23.60	36.656	4.62		1	25.071	23.575	295.5	.4663	1535.4	2.730	9.90	5.2	
140	140	22.83	36.690	4.46		2	25.292	22.801	275.3	.5236	1533.8	3.491	8.19	7.3	
160	160	21.23	36.655	4.70		2	25.717	21.199	235.4	.5749	1530.0	4.275	5.70	10.5	
180	180	20.61	36.702	4.16		2	26.923	20.575	216.6	.6203	1528.7	5.064	7.03	8.5	
190	190	20.15	36.745	4.09		2	26.080	20.114	202.0	.6414	1527.7	5.463	5.32	11.3	
200	200	19.43	36.611	4.06		3	26.167	19.393	193.9	.6613	1525.7	5.860	5.21	11.5	
210	210	18.89	36.539	4.04		3	26.252	18.852	186.1	.6804	1524.3	6.261	3.32	18.1	
220	220	18.33	36.533	4.01		3	26.391	18.286	174.3	.7528	1523.4	7.965	2.58	23.3	
300	301	17.30	36.331	3.96		4	26.492	17.249	166.2	.8384	1521.0	10.374	1.15	52.2	
350	351	17.17	36.314	3.97		4	26.513	17.111	166.0	.9219	1521.4	13.160	4.62	13.0	
400	401	14.57	35.960	3.76		7	26.837	14.509	135.4	.9978	1513.7	16.059	3.04	19.7	
450	452	13.20	35.762	3.62		8	26.973	13.336	123.0	1.0628	1509.9	16.888	1.36	44.1	
500	502	12.91	35.719	3.62		9	27.000	12.840	121.7	1.1244	1509.7	21.892	1.47	42.8	
550	556	12.32	35.632	3.57		10	27.051	12.229	118.9	1.2371	1509.1	28.211	1.87	32.1	
643	646	11.50	35.487	3.37		11	27.096	11.416	115.0	1.2960	1506.9	31.950	3.58	16.7	
693	696	9.24	35.200	3.33		16	27.268	9.161	96.8	1.3494	1499.2	35.602	2.53	23.3	
743	747	8.16	35.095	3.62		18	27.356	8.051	87.8	1.3959	1495.9	39.031	2.25	26.7	
793	797	7.44	35.045	4.02		19	27.424	7.359	81.1	1.4385	1493.9	42.390	1.63	26.9	
843	848	7.00	35.008	4.08		20	27.457	6.917	78.0	1.4787	1492.9	45.766	2.13	28.1	
943	949	6.07	35.009	4.31		19	27.583	5.983	65.9	1.5513	1490.9	52.408	.00	.0	

COUNTRY SHIP CRUISE STATION DATE GMT LATITUDE LONGITUDE DEPTH
 31 6N 37 459 5-III-74 3:0 17 49.5 N 67 20.0 W 2078

DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-T	THETA	DELTA	DYN HT	SND VEL	PST EN	V PREG	PERIOD
1	118	25.69	35.509	5.04		2	23.553	25.630	43.46	.000	1536.9	.000	3.34	177.2
24	158	25.65	35.514	4.99		2	23.552	25.645	43.58	.1003	1537.3	.128	2.24	26.8
49	178	25.57	35.532	5.14		2	23.552	25.559	43.31	.2091	1537.6	.535	3.17	18.9
78	188	25.49	35.620	4.98		2	23.685	25.473	42.56	.3338	1537.9	1.344	7.07	5.5
98	198	25.22	35.931	5.00		2	24.004	25.198	39.61	.4162	1538.0	2.083	11.29	5.3
118	198	24.39	36.671	4.72		1	24.817	24.365	31.97	.4880	1537.2	2.869	7.78	7.7
138	198	23.31	36.755	4.42		1	25.201	23.281	28.38	.5485	1535.0	3.659	7.56	7.9
158*	198	21.91	36.702	4.37		2	25.563	21.878	25.01	.6021	1531.8	4.469	6.74	8.9
178	198	21.44	36.924	4.20		1	25.563	21.445	22.34	.6491	1531.2	5.284	6.06	9.9
188*	198	21.17	36.964	4.06		1	25.970	21.133	21.27	.6716	1530.6	5.695	5.55	10.8
198	198	20.68	36.915	4.10		1	26.067	20.642	20.37	.6925	1529.5	6.108	4.59	13.1
208*	208	20.32	36.874	4.05		1	26.133	20.280	19.78	.7127	1528.6	6.528	4.13	14.5
228*	208	19.74	36.676	4.03		2	26.346	17.895	17.88	.7884	1525.2	8.520	3.22	18.6
259*	300	17.74	36.493	4.25		2	26.509	17.688	16.48	.8765	1522.4	10.751	2.79	21.5
350	351	16.60	36.289	4.06		3	26.629	16.542	15.47	.9584	1519.6	13.472	2.23	27.0
401*	402	15.78	36.137	3.85		4	26.704	15.716	14.89	1.0362	1517.8	16.469	3.15	19.1
452*	454	13.90	35.730	3.41		4	26.850	13.834	13.53	1.1092	1512.2	19.653	3.31	18.1
502*	504	11.92	35.477	3.16		11	27.006	11.853	12.02	1.1735	1506.0	22.792	1.91	31.5
522*	524	11.62	35.429	3.16		11	27.026	11.552	11.85	1.1976	1505.2	24.055	2.28	26.3
621	624	7.96	35.120	3.03		16	27.163	11.418	10.54	1.3092	1498.9	30.578	2.13	28.2
718	723	6.58	34.961	3.11		21	27.281	7.885	9.41	1.4077	1494.5	37.333	2.23	26.9
816*	822	5.79	34.889	3.39		24	27.413	6.502	8.09	1.4951	1490.7	44.208	2.01	29.8
916*	921	5.16	34.944	3.77		26	27.523	5.078	7.04	1.5709	1482.2	50.849	2.01	29.9
1015	1021	4.49	34.964	4.26		26	27.637	5.073	5.91	1.6347	1488.3	57.249	1.72	44.9
1212*	1220	4.29	34.967	4.72		27	27.737	4.390	5.09	1.7444	1488.9	69.709	1.34	82.8
1406*	1429	4.20	34.974	4.85		28	27.763	4.166	5.02	1.8444	1491.4	83.265	.58	103.8
1603*	1619	4.14	34.974	4.95		28	27.780	4.093	5.08	1.9445	1494.3	98.782	.50	120.6
1803	1819	4.14	34.980	5.16		25	27.792	3.993	5.08	2.0453	1497.4	116.439	.48	125.4
2000*	2019	4.10	34.986	5.20		26	27.804	3.929	5.15	2.1476	1500.6	136.561	.00	170.0

COUNTRY 31 SHIP 6N CRUISE 37 STATION 460 DATE 5-III-74 GMT 6.4 LATITUDE 17 56.0 N LONGITUDE 67 28.0 W DEPTH 587

DEPTH	PRESS	TEMP	SAL	OX	P04	PHOS	SIL	SIGMA*	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.61	35.490	4.99			3	23.545	25.610	435.4	.0000	1536.8	.000	1.07	56.1
31	31	25.63	35.481	5.00			2	23.534	25.623	437.9	.1312	1537.3	.215	3.44	17.6
50	50	25.58	35.552	4.98			2	23.604	25.569	432.0	.2140	1537.6	.558	4.89	12.3
70	70	25.46	35.703	4.98			2	23.757	25.445	418.5	.2992	1537.8	1.080	5.71	10.5
90*	90	25.19	35.867	4.98			2	23.965	25.170	399.5	.3812	1537.7	1.750	8.05	7.4
110	110	25.09	36.373	4.97			2	24.379	25.066	361.1	.4574	1538.4	2.527	10.81	5.6
130*	130	23.35	36.666	4.67			1	25.122	23.323	291.0	.5229	1534.9	3.324	17.60	7.9
140	140	22.74	36.674	4.50			1	25.305	22.711	274.0	.5512	1533.5	3.715	4.80	12.5
149*	149	22.46	36.654	4.47			2	25.371	22.430	268.1	.5757	1533.0	4.078	8.94	6.7
159	159	21.63	36.679	4.28			2	25.624	21.458	244.3	.6014	1531.0	4.483	6.29	9.5
199*	199	20.30	36.858	4.10			1	26.126	20.222	198.1	.6903	1528.4	6.094	4.60	13.0
248*	248	18.19	36.563	4.08			3	26.449	18.146	168.7	.7806	1523.0	8.145	2.78	21.6
298*	299	17.23	36.408	4.25			3	26.568	17.180	158.9	.8630	1520.8	10.445	2.62	22.9
347	348	16.00	36.159	3.84			4	26.669	15.944	150.5	.9392	1517.6	12.962	2.95	20.3
397*	398	14.54	35.901	3.53			6	26.798	14.480	139.0	1.0120	1513.5	15.734	2.62	22.9
443*	447	13.45	35.716	3.41			8	26.893	13.351	130.5	1.0771	1510.4	18.543	2.67	22.5
494	496	12.085	35.495	3.28			10	26.992	11.999	121.4	1.1393	1506.4	21.534	2.29	26.2
543*	545	10.895	35.302	3.08			13	27.061	10.827	114.9	1.1976	1502.9	24.635	.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	461	5-III-74	9:0	17 58.0 N	67 46.0 W	576						
DEPTH	PRESS	TEMP	SAL	DX	RHOS	SIL	SIGMA=	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.69	35.447	5.00		3	THETA 23.488	25.690	440.9	0.000	1536.9	0.000	1.60	37.5
13	13	25.70	35.437	5.02		3	23.478	25.697	442.4	0.038	1537.2	0.038	1.21	49.6
21	21	25.68	35.433	4.97		3	23.482	25.675	442.4	0.085	1537.2	0.100	1.28	218.9
40	40	25.69	35.436	4.97		3	23.482	25.681	443.2	0.128	1537.6	0.363	7.15	81.4
60	60	25.42	35.756	4.97		2	23.808	25.413	443.1	0.256	1537.6	0.799	8.77	6.8
80	80	24.81	36.156	4.85		1	24.298	24.793	367.3	0.368	1537.0	1.355	5.74	10.5
99	99	24.90	36.455	4.83		1	24.498	24.878	349.2	0.451	1537.9	1.979	7.36	8.1
109*	109	24.45	36.502	4.72		1	24.670	24.426	333.2	0.493	1537.0	2.343	7.95	7.6
119*	119	24.24	36.684	4.94		1	24.871	24.214	314.5	0.478	1536.9	2.722	6.70	9.0
123*	123	23.87	36.726	4.73		1	25.014	23.843	301.3	0.507	1536.2	3.114	7.18	8.4
168*	168	22.07	36.877	4.35		1	25.652	22.036	242.2	0.601	1532.5	4.709	5.50	10.9
218*	218	19.56	36.603	4.06		2	26.128	19.520	198.4	0.717	1526.4	6.870	4.70	12.8
268*	268	17.66	36.422	4.04		3	26.473	17.614	166.9	0.815	1521.6	9.138	3.07	19.5
318*	319	16.70	36.308	4.11		3	26.619	16.647	154.5	0.924	1519.4	11.559	2.60	23.1
368*	369	15.59	36.103	3.79		5	26.720	15.532	146.1	0.980	1516.6	14.215	3.17	18.9
418*	419	13.56	35.719	3.32		8	26.865	13.500	132.5	1.038	1510.5	17.034	2.83	21.2
468*	470	12.26	35.531	3.65		11	26.981	12.197	124.8	1.102	1506.7	19.938	1.95	30.7
518*	520	11.44	35.398	3.15		12	27.033	11.373	117.5	1.162	1504.5	22.986	1.00	30.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
31	6N	37	462	5-III 7*	11.1	17 59.0 N	68 1.0 W	1739						
DEPTH	PRESS	TEMP	SAL	ΘX	PHΘ	SIL	SIGMA*	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	PERIOD
1	1	25.64	35.463	4.99		2	23.515	25.640	438.2	.0000	1536.9	.000	7.88	67.8
25	25	25.65	35.457	5.16		2	23.509	25.644	439.9	.1055	1537.3	.141	1.34	44.7
49*	49	25.64	35.469	5.05		2	23.529	25.589	439.1	.2430	1537.6	.541	7.53	8.0
74	74	25.50	36.009	4.78		2	23.975	25.484	397.8	.3162	1538.3	1.195	8.74	6.9
98*	98	24.76	36.480	4.79		1	24.559	24.739	343.3	.4054	1537.5	1.972	7.93	7.6
123	123	23.72	36.728	4.81		1	25.060	23.694	296.7	.4856	1535.7	2.873	7.65	7.8
147*	147	22.43	36.820	4.70		1	25.505	22.400	255.2	.5521	1533.0	3.786	4.87	12.3
172	172	21.65	36.775	4.54		2	25.692	21.616	238.4	.6141	1531.4	4.796	5.99	10.0
196*	196	20.62	36.759	4.54		2	25.964	20.582	213.4	.6685	1529.1	5.819	6.27	9.6
1	0	25.62	35.468	4.99		2	23.525	25.620	437.3	.0321	1537.8	1.585	7.90	66.5
24	24	25.62	35.458	5.16		2	23.519	25.615	438.9	.1331	1537.2	1.714	1.13	53.1
49	49	25.60	35.461	5.05		2	23.529	25.589	439.1	.2430	1537.5	2.124	6.42	9.4
78	78	25.59	35.959	4.78		2	23.910	25.573	404.2	.3655	1538.6	2.913	9.11	6.6
98	98	25.12	36.467	4.79		1	24.440	25.098	354.7	.4416	1538.4	3.593	5.56	10.8
137*	137	24.97	36.520	4.81		1	24.636	24.584	336.9	.5110	1537.6	4.358	8.28	7.2
157	157	22.63	36.731	4.70		1	25.051	23.731	298.2	.5718	1536.1	5.145	7.83	7.7
177*	177	21.55	36.809	4.54		1	25.440	22.598	261.9	.6278	1533.7	5.987	6.65	9.0
187	187	21.14	36.774	4.25		2	25.720	21.515	236.0	.6778	1531.2	6.840	5.41	11.1
197*	197	20.99	36.746	4.29		2	25.812	21.104	227.5	.7010	1530.3	7.274	4.32	13.9
207	207	20.81	36.610	4.19		2	25.871	20.952	222.3	.7236	1530.1	7.718	4.70	12.8
246*	246	18.82	36.566	4.17		2	25.800	20.770	229.4	.7463	1529.6	8.188	6.33	9.5
296*	297	17.35	36.417	4.09		3	26.292	18.776	183.7	.8273	1524.7	10.050	4.04	14.9
346*	347	15.88	36.139	3.84		5	26.546	17.300	161.0	.9139	1521.1	12.443	3.00	20.0
396*	397	14.65	35.918	3.84		6	26.681	15.825	149.2	.9919	1517.2	15.004	2.68	22.4
446	448	13.52	35.728	3.56		8	26.787	14.590	140.0	1.0647	1513.9	17.768	2.55	23.6
496*	498	12.49	35.579	3.29		10	26.881	13.456	131.8	1.1331	1510.6	20.719	2.54	23.6
520*	522	11.96	35.517	3.28		10	26.974	12.422	123.5	1.1974	1508.0	23.821	2.81	21.3
618	621	9.42	35.118	3.02		11	27.030	11.891	118.4	1.2266	1506.5	25.346	2.37	25.3
716*	720	7.88	34.935	3.08		17	27.173	9.349	104.3	1.3366	1498.5	31.738	1.98	30.2
814	818	6.82	34.849	3.23		21	27.272	7.805	94.7	1.4349	1494.1	38.450	1.82	32.9
1010*	1016	5.51	34.917	4.02		26	27.356	6.741	86.6	1.5245	1491.5	45.475	2.01	29.9
1206	1214	4.670	34.960	4.62		26	27.581	5.421	65.7	1.6752	1489.6	59.403	1.53	37.9
1402*	1413	4.335	34.973	4.83		26	27.714	4.569	53.5	1.7933	1489.5	72.745	.98	61.2
1549	1549	4.170	34.970	4.91		27	27.763	4.219	50.1	1.8959	1491.4	86.498	.61	99.1
1647	1661	4.170	34.975	4.95		28	27.784	4.033	50.1	2.0202	1494.9	106.013	.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GHT	LATITUDE	LONGITUDE	DEPTH	DELTA	DYN HT	SND VEL	P&T EN	V FREQ	PERIOD
31	6N	37	463	5·III·74	16.2	17 57.2 N	68 14.1 W	2334						
DEPTH	PRESS	TEMP	SAL	ØX	PØ4	PH6S	SIL	SIGMA* THETA	THETA					
1	1	25.73	35.481	4.91			3	23.4501	25.730	.0000	1537.1	.000	1.17	51.3
25	25	25.67	35.468	4.94			2	23.511	25.664	.1057	1537.3	.141	3.20	18.7
49	49	25.50	35.500	5.02			2	23.590	25.489	.2106	1537.4	.537	6.94	18.6
78	78	25.49	36.084	4.68			2	24.035	25.473	.3306	1538.5	1.308	8.38	7.2
98	98	24.89	36.431	4.62			2	24.483	24.869	.4051	1537.8	1.975	8.01	7.5
118	118	24.52	36.822	4.55			1	24.892	24.494	.4716	1537.7	2.707	6.73	8.9
138	138	23.75	36.897	4.48			1	25.180	23.721	.5317	1536.2	3.492	8.33	7.2
157*	157*	22.16	36.840	4.38			1	25.598	22.128	.5825	1532.5	4.256	6.40	9.4
177	177	21.11	36.794	4.13			1	25.856	21.075	.6297	1530.1	5.061	5.54	10.8
187*	187*	20.72	36.781	4.17			1	25.954	20.884	.6516	1529.2	5.470	5.34	11.2
197	197	20.29	36.746	4.12			1	26.043	20.253	.6727	1528.2	5.885	4.18	14.4
207*	207*	20.00	36.716	4.12			1	26.088	19.961	.6932	1527.5	6.308	4.05	14.8
247	247	18.90	36.608	4.05			2	26.304	18.855	.7703	1525.0	8.096	3.77	15.9
297*	297*	17.35	36.388	4.02			2	26.524	17.299	.8572	1521.1	10.508	3.59	16.7
347	347	15.63	36.116	3.92			5	26.720	15.575	.9348	1516.4	13.059	2.33	25.7
397*	397*	14.68	35.944	3.69			7	26.800	14.620	1.0063	1514.0	15.784	2.09	28.7
447	447	13.83	35.788	3.50			8	26.863	13.765	1.0749	1511.9	18.753	2.50	28.0
497*	497*	12.63	35.585	3.24			9	26.952	12.561	1.1403	1508.5	21.916	2.46	24.4
559*	559*	10.98	35.311	3.01			12	27.053	10.909	1.2158	1503.5	26.005	2.20	27.3
609	612	9.82	35.129	2.96			15	27.115	9.748	1.2728	1499.9	29.421	2.15	27.9
709*	713	8.07	34.925	2.97			20	27.236	7.995	1.3778	1494.7	36.501	1.99	30.1
908	913	6.04	34.835	3.43			25	27.449	5.957	1.5546	1490.0	50.981	1.80	33.4
1108*	1115	5.24	34.945	4.26			26	27.636	5.143	1.6949	1490.2	65.365	1.49	40.3
1308	1318	4.435	34.976	4.79			27	27.754	4.327	1.8076	1490.3	79.262	.83	72.2
1507*	1519	4.155	34.978	4.91			29	27.787	4.031	1.9069	1492.5	93.635	.33	181.9
1707	1722	4.110	34.975	5.04			28	27.791	3.968	2.0063	1495.6	110.113	.39	154.1
1907*	1924	4.075	34.977	5.13			28	27.798	3.914	2.1084	1498.9	129.167	.33	181.5
2106	2126	4.065	34.980	5.15			28	27.804	3.884	2.2128	1502.2	150.796	.23	264.1
2306*	2329	4.065	34.980	5.16			28	27.806	3.863	2.3211	1505.6	175.467	.00	.0

COUNTRY	SHIP	CRUISE	STATION	DATE	GMT	LATITUDE	LONGITUDE	DEPTH	PERIOD					
31	6N	37	464	5-11-74	19.0	17 56.0 N	68 24.4 W	1754						
DEPTH	PRESS	TEMP	SAL	OX	PHOS	SIL	SIGMA-THETA	THETA	DELTA	DYN HT	SND VEL	POT EN	V FREQ	
1	1	25.79	35.483	4.91		2	23.484	25.790	441.2	.0000	1537.2	.000	2.86	21.0
55	35	25.65	35.506	4.95		2	23.546	25.644	436.4	.1055	1537.3	.452	3.96	15.1
80	80	25.13	36.194	4.85		2	24.229	25.112	373.9	.3336	1537.8	1.340	9.07	6.6
100	100	24.71	36.718	4.54		1	24.754	24.688	324.8	.4037	1537.7	1.981	5.23	11.6
120	120	24.13	36.715	4.64		1	24.928	24.104	309.2	.4673	1536.7	2.696	6.75	8.9
140	140	23.26	36.756	4.53		1	25.217	23.231	282.5	.5267	1534.9	3.484	7.38	8.1
160*	160	22.25	36.827	4.39		1	25.562	22.218	250.3	.5802	1532.8	4.303	5.08	11.8
180	180	21.70	36.837	4.35		1	25.726	21.664	235.6	.6290	1531.7	5.152	6.90	8.7
190*	190	21.10	36.816	4.22		1	25.877	21.063	221.6	.6519	1530.3	5.987	7.30	8.2
200	200	20.32	36.758	4.23		2	26.045	20.282	205.8	.6734	1528.3	6.015	4.40	13.6
210*	210	19.88	36.683	4.21		2	26.105	19.841	200.4	.6938	1527.2	6.444	4.98	12.0
250	250	18.01	36.460	4.03		3	26.415	17.966	171.9	.7687	1522.4	8.197	2.93	20.5
299*	300	17.16	36.356	4.03		4	26.545	17.109	161.0	.8507	1520.6	10.500	2.70	22.3
349	350	16.19	36.199	3.97		5	26.656	16.133	151.9	.9294	1518.3	13.110	2.96	20.3
399*	400	14.80	35.959	3.70		6	26.786	14.739	140.3	1.0029	1514.5	15.525	2.44	20.6
449	451	13.51	35.711	3.36		8	26.870	13.445	132.9	1.0717	1510.8	18.913	2.56	23.4
499*	501	12.39	35.540	3.24		10	26.964	12.322	124.5	1.1365	1507.7	22.062	2.06	28.9
540*	542	11.68	35.426	3.13		11	27.012	11.609	120.3	1.1870	1505.7	24.757	2.48	24.2
590	593	10.58	35.275	3.13		14	27.097	10.507	112.3	1.2456	1502.5	28.452	1.90	31.6
689*	692	9.09	35.068	3.02		17	27.189	9.012	103.9	1.3535	1498.4	35.218	2.02	29.8
788	792	7.70	34.937	3.09		21	27.292	7.619	93.7	1.4521	1494.6	42.679	2.31	26.0
887*	892	6.36	34.870	3.44		24	27.435	6.277	79.5	1.5386	1490.9	50.092	1.98	30.2
987	993	5.780	34.918	4.09		25	27.548	5.691	69.1	1.6136	1490.3	57.294	1.61	37.3
1185*	1193	4.890	34.959	4.65		26	27.688	4.789	56.3	1.7390	1490.1	71.181	1.23	48.8
1384	1394	4.275	34.967	4.83		28	27.764	4.161	49.5	1.8455	1490.9	85.199	.67	90.0
1582*	1595	4.140	34.975	4.97		28	27.787	3.009	49.0	1.9444	1493.6	100.293	.52	161.1
1681	1695	4.130	34.977	5.03		28	27.790	3.990	49.7	1.9939	1495.3	108.621	.37	114.6
1731*	1746	4.105	34.977	5.24		28	27.793	3.961	49.8	2.0191	1496.0	113.055	.00	.0

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