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**HYDROGRAPHIC STATION DATA OF FIVE SURVEYS OF THE
BETA-TRIANGLE IN THE EASTERN NORTH ATLANTIC, 1978 - 1981**

by

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WOODS HOLE OCEANOGRAPHIC INSTITUTION

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TECHNICAL REPORT

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LOCATION OF THE BETA TRIANGLE

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Abstract

This is a data report, giving temperature, salinity and dissolved oxygen data obtained during five surveys of the beta-triangle area of the eastern North Atlantic in the years 1979-81. The report is divided into two parts. Part I consists of a listing of station data obtained on all stations occupied -- on the periphery of the triangle, inside it, and some nearby stations outside it. Part II is a set of profiles of this data drawn on the three sides of the triangle, for easy reference and visual comparison. Detailed scientific study of the data is published elsewhere.

Part I: The Station Data

The cruises. During the years 1978-81 five surveys of a triangular region centered at 27°N, 32°30'W in the eastern subtropical North Atlantic were made. The dates, itinerary, and scientific party of these cruises are given in Table I. The position of the stations made on each of the five surveys is shown in Figure 1.

Survey 1 by R. V. EASTWARD was done using shallow Nansen casts. The surveys 2 through 5 were all done with modern CTD equipment, calibrated by Rosette salinity samples and reversing thermometer readings. Oxygen determinations were made from the Rosette water samples. For convenient access and reference to the data, a summary form of data is given in Table II.

TABLE I: Dates, itinerary and scientific and technical party of the five surveys.

Survey 1 R. V. EASTWARD 30 stations on sides of triangle

Ponta Delgada - Ponta Delgada, Azores

22 October - 6 November 1978

Henry M. Stommel, Chief Scientist

David W. Behringer, A.O.M.L./N.O.A.A. - Miami

Eric Firing, M.I.T./W.H.O.I. Student

Walter Bryan, S.I.O.

Ron Patrick, S.I.O.

Survey 2 R. V. ATLANTIS II 30 stations on sides of triangle

Voyage #107 Leg I 6 stations inside the triangle

Woods Hole, Mass. - Fortaleza, Brazil

3 October - 3 November 1979

Henry M. Stommel, Chief Scientist

David S. Bitterman, Jr.

Nancy Galbraith

George P. Knapp, III

Richard D. Boudreau

Robert J. Stanley

Ronald J. Kroll

Marvel C. Stalcup

Robert J. Thayer

Margaret L. Delaney, M.I.T./W.H.O.I. Student

David W. Behringer, A.O.M.L./N.O.A.A. - Miami

TABLE I (continued)

Survey 3 R.V. RESEARCHER 30 stations on sides of triangle
 10 stations inside the triangle
 4 stations outside the triangle

Miami, Florida - Tenerife, Canary Islands

14 January - 6 February 1980

D. Behringer, Chief Scientist, A.O.M.L./N.O.A.A. - Miami

B. Culverhouse, A.O.M.L./N.O.A.A.

J. Hazelworth, A.O.M.L./N.O.A.A.

G. Thomas, A.O.M.L./N.O.A.A. - Miami

R. Abrams, N.O.A.A./N.O.D.C.

Survey 4 R.V. OCEANUS 30 stations on sides of triangle
 7 stations inside triangle
 1 station outside triangle

Recife, Brazil - Ponta Delgada, Azores

10 March - 2 April 1980

Henry M. Stommel, Chief Scientist

Laurence D. Armi

Melinda M. Hall

George P. Knapp

Ronald J. Kroll

Cynthia H. Lanyon-Duncan

Robert J. Stanley

Richard F. Tench

Affonso daS. Mascarenhas, M.I.T.

TABLE I (continued)

Survey 5 ATLANTIS II 30 stations on side of triangle
Voyage #109, Leg II 11 stations inside triangle
 3 stations outside triangle

Cadiz, Spain - Las Palmas, Canary Island

14 July - 10 August 1981

Henry M. Stommel, Chief Scientist

Robert J. Stanley

Robert C. Millard

Nancy Galbraith

Catherine M. Herrity

Andrew Rushia

Lawrence Pratt

Robert Pickart

Leslie Rosenfeld

Iris Mack, Harvard University

Brook Burchfiel, M.I.T.

Naomi Rose, Mount Holyoke College

Guillermo Diaz del Rio, Institute Espanola Oceano, Madrid

FIGURE 1

TABLE II
Chronological Summary Station Data Listing

EASTWARD		01	LAT = 32 22.0 N		LONG = 29 36.6 W		23/10/78		24 HRS.		SONIC DEPTH= 3913m				STATION		01
P2 dbar	QC m	T deg C	θ deg C	S o/oo	DOY ml/l	PHOS	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	
1	1	23.170	23.170	36.793	4.97					25.263	29.491	33.620	37.654	41.598	271.7	0.001	
29	29	23.080	23.074	36.785	4.97					25.285	29.514	33.644	37.680	41.625	270.9	0.078	
52	52	21.520	21.510	36.675	5.43					25.646	29.898	34.051	38.109	42.076	237.5	0.136	
102	102	18.570	18.552	36.533	4.97					26.324	30.623	34.820	38.922	42.931	174.9	0.240	
153	153	17.570	17.544	36.410	4.78					26.481	30.797	35.011	39.129	43.154	161.8	0.326	
204	204	17.140	17.106	36.356	4.74					26.546	30.870	35.091	39.216	43.249	157.4	0.407	
255	254	16.630	16.588	36.285	4.76					26.615	30.948	35.179	39.312	43.353	152.5	0.485	
306	305	15.940	15.891	36.177	4.74					26.695	31.040	35.284	39.429	43.481	146.5	0.563	
357	355	15.220	15.165	36.060	4.76					26.769	31.129	35.385	39.543	43.608	140.7	0.635	
408	406	14.500	14.439	35.953	4.85					26.847	31.220	35.490	39.661	43.739	134.6	0.706	
459	457	13.910	13.843	35.960	4.76					26.902	31.287	35.569	39.751	43.839	130.5	0.774	
511	508	13.270	13.197	35.767	4.85					26.964	31.363	35.656	39.851	43.950	125.7	0.840	
557	554	12.650	12.573	35.676	4.57					27.020	31.431	35.737	39.943	44.055	121.1	0.897	
609	605	11.840	11.759	35.569	4.37					27.095	31.523	35.846	40.068	44.195	114.5	0.958	
659	655	11.280	11.195	35.510	4.25					27.155	31.595	35.930	40.163	44.300	109.5	1.014	
710	705	10.730	10.641	35.462	4.21					27.219	31.671	36.017	40.261	44.409	104.0	1.068	
911	805	9.640	9.545	35.400	4.09					27.361	31.837	36.206	40.473	44.642	91.3	1.167	
913	906	9.320	9.214	35.494	4.21					27.489	31.972	36.348	40.621	44.796	81.0	1.255	
1014	1006	8.540	8.427	35.482	4.39					27.606	32.107	36.500	40.789	44.980	70.6	1.331	
1116	1107	7.960	7.741	35.464	4.46					27.697	32.214	36.622	40.926	45.131	62.5	1.399	
1218	1208	7.410	7.283	35.437	4.64					27.743	32.271	36.690	41.004	45.219	59.0	1.462	
1320	1309	6.930	6.796	35.397	4.83					27.780	32.320	36.750	41.076	45.301	55.8	1.520	
1423	1411	6.340	6.201	35.335	5.06					27.812	32.367	36.812	41.151	45.390	52.7	1.576	
1529	1515	5.810	5.666	35.272	5.26					27.831	32.400	36.858	41.210	45.461	50.6	1.631	

STATION 01

EASTWARD		02	LAT = 31 46.2 N LONG = 30 50.5 W				24/10/78				24 PWS.				SONIC DEPTH= 4227m				STATION	02
PR	DF	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT				
dbar	m	deg C	deg C	o/oo	ml/l															
1	1	23.540	23.540	36.947	4.92					25.271	29.493	33.616	37.645	41.583	270.9	0.001				
29	29	23.540	23.534	36.946	4.92					25.272	29.494	33.617	37.646	41.584	272.1	0.078				
52	52	21.730	21.720	36.757	5.47					25.650	29.898	34.048	38.102	42.066	237.2	0.137				
102	102	19.520	19.501	36.685	5.13					26.196	30.478	34.660	38.747	42.742	187.2	0.243				
152	152	18.340	18.313	36.532	4.78					26.384	30.686	34.887	38.992	43.006	171.2	0.333				
203	202	17.700	17.665	36.432	4.78					26.468	30.782	34.994	39.110	43.133	164.9	0.418				
253	252	17.160	17.117	36.368	4.76					26.553	30.876	35.097	39.222	43.254	158.6	0.499				
303	302	16.470	16.420	36.251	4.64					26.629	30.965	35.198	39.335	43.378	152.9	0.578				
354	352	15.740	15.694	36.144	4.74					26.717	31.066	35.313	39.462	43.518	145.9	0.653				
405	403	14.940	14.878	36.021	4.67					26.803	31.168	35.430	39.593	43.663	139.0	0.724				
455	453	14.260	14.192	35.921	4.60					26.875	31.253	35.528	39.704	43.785	133.3	0.795				
507	504	13.550	13.477	35.816	4.57					26.945	31.337	35.625	39.815	43.909	127.7	0.862				
558	555	13.100	13.021	35.762	4.55					26.996	31.398	35.695	39.893	43.996	123.9	0.926				
609	605	12.520	12.436	35.691	4.53					27.058	31.472	35.781	39.990	44.103	118.8	0.988				
658	654	11.760	11.673	35.588	4.30					27.126	31.556	35.880	40.104	44.232	112.8	1.045				
708	704	11.030	10.940	35.502	4.18					27.196	31.642	35.981	40.219	44.361	106.6	1.100				
809	804	10.080	9.982	35.434	4.09					27.313	31.779	36.139	40.397	44.557	96.6	1.203				
913	907	9.230	9.125	35.438	4.02					27.460	31.946	36.323	40.599	44.776	83.6	1.296				
1015	1007	8.590	8.477	35.455	4.21					27.577	32.077	36.469	40.758	44.948	73.4	1.376				
1116	1107	8.050	7.929	35.464	4.41					27.669	32.181	36.585	40.885	45.087	65.6	1.446				
1218	1208	7.600	7.471	35.472	4.62					27.743	32.266	36.681	40.991	45.201	59.5	1.510				
1320	1309	7.020	6.895	35.419	4.85					27.785	32.323	36.751	41.074	45.298	55.7	1.569				
1424	1412	6.370	6.231	35.345	5.08					27.816	32.370	36.814	41.153	45.391	52.4	1.625				
1529	1515	5.730	5.587	35.260	5.33					27.831	32.402	36.862	41.216	45.469	50.3	1.679				

STATION 02

EASTWARD			03		LAT = 31 12.0 N			LONG = 31 41.0 W			24/10/78			24 OBS.			SONIC DEPTH= 4807m				STATION 03	
PQ	DE	T	A	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT						
char	m	deg C	deg C	o/oo	ml/l																	
1	1	23.430	23.430	36.901	4.90					25.268	29.492	33.617	37.647	41.588	271.2	0.001						
29	29	23.430	23.424	36.910	4.92					25.277	29.501	33.626	37.656	41.596	271.7	0.078						
52	52	22.870	22.859	36.863	5.13					25.406	29.638	33.770	37.809	41.757	260.4	0.139						
103	103	19.080	19.061	36.615	4.99					26.257	30.546	34.735	38.829	42.831	181.4	0.252						
154	154	18.060	18.033	36.480	4.76					26.414	30.721	34.927	39.037	43.055	168.3	0.342						
206	206	17.670	17.635	36.429	4.76					26.474	30.788	35.000	39.116	43.140	164.5	0.427						
256	256	17.250	17.207	36.375	4.69					26.536	30.858	35.078	39.201	43.232	160.3	0.509						
306	306	16.320	16.270	36.227	4.71					26.645	30.984	35.220	39.359	43.406	151.4	0.588						
357	357	15.600	15.544	36.121	4.74					26.731	31.083	35.333	39.484	43.542	144.6	0.682						
407	407	14.700	14.638	35.992	4.85					26.833	31.203	35.469	39.636	43.710	136.0	0.733						
458	458	13.910	13.843	35.860	4.62					26.902	31.287	35.569	39.751	43.839	130.5	0.801						
511	511	13.140	13.069	35.769	4.51					26.992	31.393	35.689	39.886	43.988	122.9	0.868						
554	554	12.820	12.743	35.715	4.57					27.016	31.424	35.726	39.929	44.037	121.6	0.921						
605	605	12.280	12.198	35.653	4.39					27.076	31.495	35.808	40.022	44.139	116.8	0.981						
654	654	11.700	11.614	35.576	4.30					27.128	31.559	35.885	40.110	44.239	112.5	1.037						
704	704	11.110	11.020	35.511	4.16					27.188	31.632	35.970	40.207	44.347	107.3	1.093						
803	798	9.940	9.844	35.417	4.00					27.323	31.793	36.156	40.416	44.580	95.2	1.193						
903	897	9.030	8.927	35.380	3.98					27.447	31.937	36.320	40.599	44.781	84.2	1.283						
1004	997	8.210	8.101	35.354	4.21					27.556	32.066	36.467	40.764	44.962	74.3	1.363						
1105	1107	7.390	7.276	35.330	4.34					27.660	32.189	36.608	40.924	45.140	64.6	1.433						
1209	1199	6.920	6.799	35.324	4.53					27.722	32.263	36.694	41.020	45.246	59.3	1.497						
1312	1301	6.660	6.530	35.335	4.83					27.768	32.315	36.752	41.084	45.315	56.0	1.556						
1416	1404	6.240	6.103	35.310	5.13					27.805	32.363	36.810	41.152	45.393	52.9	1.613						
1523	1509	5.720	5.578	35.255	5.31					27.828	32.400	36.860	41.214	45.468	50.4	1.668						

STATION 03

EASTWARD			04		LAT = 30 27.5 N				LONG = 32 33.0 W				24/10/78				24 OBS.				SONIC DEPTH= 4753m				STATION		04	
PZ	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT												
dbar	m	deg C	deg C	o/oo	ml/l																							
1	1	23.780	23.780	37.068	4.90					25.292	29.510	33.629	37.654	41.588	269.0	0.001												
31	31	23.780	23.773	37.075	4.92					25.299	29.517	33.636	37.661	41.596	269.7	0.042												
54	54	23.210	23.199	36.984	5.10					25.399	29.625	33.753	37.786	41.729	261.2	0.144												
105	105	19.150	19.131	36.651	4.97					26.266	30.555	34.742	38.834	42.835	180.6	0.257												
156	156	18.280	18.253	36.512	4.78					26.384	30.687	34.889	38.995	43.010	171.3	0.347												
208	207	17.710	17.674	36.422	4.76					26.458	30.772	34.984	39.099	43.123	166.0	0.434												
258	257	17.070	17.027	36.333	4.67					26.548	30.873	35.096	39.222	43.256	159.2	0.516												
309	308	16.070	16.020	36.180	4.62					26.667	31.011	35.252	39.395	43.445	149.3	0.595												
362	360	15.440	15.383	36.080	4.62					26.736	31.091	35.344	39.498	43.559	144.2	0.672												
412	410	14.810	14.747	36.002	4.76					26.817	31.185	35.449	39.614	43.686	137.8	0.743												
464	462	14.030	13.962	35.872	4.60					26.886	31.269	35.548	39.728	43.814	132.3	0.813												
516	513	13.390	13.316	35.792	4.57					26.959	31.355	35.647	39.839	43.936	126.4	0.880												
556	553	12.940	12.862	35.737	4.55					27.009	31.414	35.715	39.915	44.021	122.4	0.930												
606	603	12.390	12.307	35.669	4.55					27.067	31.483	35.795	40.006	44.122	117.8	0.991												
658	654	11.870	11.783	35.615	4.83					27.126	31.554	35.876	40.097	44.223	113.0	1.050												
707	703	11.420	11.328	35.572	4.39					27.179	31.616	35.947	40.177	44.312	108.8	1.105												
808	803	10.420	10.320	35.479	4.14					27.289	31.748	36.100	40.351	44.505	99.4	1.210												
914	908	9.680	9.571	35.495	3.91					27.430	31.906	36.274	40.539	44.707	87.3	1.309												
1018	1011	8.660	8.546	35.433	4.07					27.549	32.048	36.438	40.725	44.914	76.3	1.394												
1120	1111	8.150	8.028	35.445	4.25					27.639	32.149	36.551	40.849	45.049	68.7	1.467												
1222	1212	7.670	7.540	35.449	4.41					27.715	32.237	36.649	40.958	45.167	62.3	1.534												
1325	1314	7.040	6.905	35.398	4.71					27.766	32.303	36.731	41.054	45.277	57.6	1.596												
1425	1413	6.370	6.231	35.314	4.90					27.791	32.346	36.790	41.129	45.367	54.7	1.652												
1532	1518	5.860	5.715	35.263	5.08					27.818	32.385	36.842	41.193	45.443	52.1	1.709												

STATION 04

EASTWARD			05		LAT = 30 3.0 N			LONG = 33 24.0 W			25/10/78			24 085.			SONIC DEPTH= 4858m					STATION 05	
PR	DF	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT							
char	m	deg C	deg C	o/oo	ml/l																		
2	2	24.200	24.200	37.095	4.85					25.187	29.399	33.512	37.532	41.461	279.0	0.003							
28	28	24.210	24.204	37.094	4.85					25.185	29.397	33.510	37.530	41.459	280.4	0.076							
51	51	24.210	24.199	37.094	4.85					25.186	29.398	33.512	37.531	41.460	281.4	0.141							
101	101	19.850	19.831	36.656	5.36					26.087	30.364	34.542	38.623	42.614	197.6	0.261							
152	152	18.240	18.213	36.543	4.87					26.417	30.721	34.924	39.030	43.045	168.0	0.355							
204	203	17.450	17.415	36.422	4.76					26.522	30.840	35.056	39.175	43.203	159.8	0.439							
255	254	16.640	16.598	36.292	4.64					26.618	30.951	35.181	39.315	43.355	152.2	0.519							
308	307	15.720	15.671	36.146	4.62					26.721	31.071	35.318	39.467	43.524	143.9	0.598							
360	358	14.930	14.875	36.026	4.60					26.808	31.172	35.434	39.597	43.667	137.0	0.670							
411	409	14.340	14.279	35.943	4.57					26.873	31.250	35.523	39.697	43.777	132.1	0.739							
461	459	13.660	13.593	35.840	4.57					26.939	31.329	35.615	39.802	43.894	126.9	0.804							
511	508	13.070	12.998	35.767	4.53					27.005	31.407	35.705	39.903	44.006	121.6	0.866							
559	556	12.360	12.284	35.675	4.44					27.076	31.493	35.805	40.016	44.133	115.6	0.923							
612	608	11.620	11.540	35.590						27.153	31.586	35.913	40.139	44.269	108.9	0.982							
652	658	11.070	10.986	35.531	4.28					27.210	31.655	35.993	40.230	44.371	104.1	1.036							
713	709	10.540	10.452	35.497	4.14					27.280	31.736	36.085	40.333	44.484	98.1	1.088							
816	811	9.510	9.415	35.432	4.00					27.407	31.887	36.258	40.527	44.699	86.9	1.183							
918	912	8.730	8.627	35.435	4.02					27.538	32.035	36.423	40.709	44.896	75.4	1.266							
1019	1012	7.980	7.871	35.400	4.16					27.627	32.142	36.547	40.849	45.052	67.5	1.338							
1122	1113	7.500	7.383	35.401	4.48					27.700	32.226	36.643	40.955	45.168	61.4	1.404							
1223	1213	6.930	6.807	35.375	4.76					27.761	32.301	36.731	41.057	45.282	55.9	1.463							
1324	1313	6.450	6.321	35.335	4.92					27.796	32.348	36.790	41.127	45.363	53.0	1.518							
1425	1413	5.840	5.706	35.267	5.17					27.822	32.390	36.847	41.198	45.448	50.1	1.570							
1527	1513	5.440	5.300	35.227	5.31					27.840	32.419	36.886	41.247	45.507	48.3	1.620							
																	STATION 05						

EASTWARD			06	LAT = 29 26.0 N			LONG = 34 17.0 W			25/10/78	24 HRS.	SONIC DEPTH= 5064m				STATION 06	
PR	DF	T	deg C	deg C	S	OXY	PHOS	SIL	NO2	NAN	SIG-4	SIG-3	SIG-2	SIG-1	SIG-4	ANOM	HEIGHT
dbar	m				o/oo	ml/l											
1	1	24.880	24.880	24.880	37.287	4.80					25.126	37.441	33.432	29.328	41.361	284.7	0.001
28	28	24.830	24.824	24.824	37.313	4.80					25.163	37.480	33.470	29.365	41.400	282.5	0.078
50	50	24.810	24.799	24.799	37.324	4.80					25.179	37.496	33.486	29.382	41.417	282.1	0.141
101	101	20.650	20.631	20.631	36.872	5.17					26.037	38.534	34.465	30.301	42.513	202.4	0.265
152	152	19.370	19.342	19.342	36.704	4.94					26.252	38.810	34.721	30.537	42.807	183.9	0.364
204	204	18.200	18.164	18.164	36.509	4.74					26.403	39.020	34.912	30.708	43.035	171.3	0.455
255	255	17.670	17.626	17.626	36.431	4.64					26.477	39.120	35.004	30.791	43.144	166.1	0.541
305	305	16.830	16.779	16.779	36.308	4.53					26.588	39.275	35.144	30.917	43.312	157.1	0.623
356	356	16.010	15.953	15.953	36.177	4.53					26.681	39.412	35.267	31.025	43.463	149.6	0.702
407	407	15.190	15.127	15.127	36.049	4.53					26.769	39.546	35.387	31.130	43.611	142.4	0.775
457	457	14.420	14.351	14.351	35.939	4.48					26.855	39.674	35.501	31.230	43.753	135.4	0.845
508	508	13.770	13.696	13.696	35.840	4.46					26.918	39.775	35.590	31.306	43.865	130.5	0.912
555	555	12.890	12.812	12.812	35.730	4.39					27.014	40.012	35.721	31.420	44.029	121.9	0.972
605	605	12.340	12.258	12.258	35.661	4.37					27.070	40.108	35.800	31.488	44.129	117.4	1.032
656	656	11.770	11.683	11.683	35.596	4.25					27.130	40.198	35.884	31.560	44.235	112.4	1.090
706	706	11.240	11.149	11.149	35.541	4.14					27.188	40.274	35.964	31.629	44.336	107.6	1.146
807	807	9.900	9.803	9.803	35.419	3.86					27.332	40.427	36.166	31.802	44.591	94.4	1.248
909	909	8.700	8.599	8.599	35.336	3.79					27.465	40.640	36.353	31.963	44.828	82.0	1.337
1010	1010	7.990	7.882	7.882	35.340	4.28					27.578	40.801	36.499	32.093	45.004	71.8	1.415
1112	1112	7.300	7.186	7.186	35.346	4.57					27.685	40.955	36.638	32.216	45.173	62.1	1.484
1215	1215	6.770	6.649	6.649	35.315	4.83					27.736	41.044	36.714	32.341	45.273	57.7	1.545
1317	1317	6.360	6.232	6.232	35.308	5.03					27.786	41.124	36.785	32.381	45.362	53.4	1.602
1420	1420	5.840	5.707	5.707	35.256	5.24					27.813	41.190	36.838	32.414	45.440	50.8	1.655
1523	1523	5.400	5.261	5.261	35.213	5.38					27.834	41.244	36.882	32.414	45.505	48.7	1.707

STATION 06

EASTWARD			07		LAT = 28 50.0 N			LONG = 35 9.0 W		26/10/78		24 HRS.		SONIC DEPTH= 5170m			STATION 07	
PR	DF	T	θ	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	
dbar	m	deg C	deg C	deg C	o/oo	ml/l												
2	2	24.740	24.740	24.740	37.222	4.80					25.120	29.324	33.430	37.441	41.363	285.4	0.003	
29	29	24.680	24.674	24.674	37.215	4.83					25.135	29.340	33.446	37.459	41.381	285.3	0.080	
52	52	24.650	24.639	24.639	37.215	4.83					25.145	29.351	33.458	37.471	41.394	285.3	0.146	
103	103	20.570	20.550	20.550	37.112	5.17					26.242	30.506	34.669	38.738	42.716	183.1	0.266	
154	154	19.080	19.052	19.052	36.657	4.76					26.291	30.581	34.770	38.863	42.865	180.2	0.359	
206	205	18.190	18.154	18.154	36.512	4.67					26.408	30.713	34.917	39.025	43.041	170.9	0.449	
257	256	17.460	17.416	17.416	36.400	4.62					26.505	30.823	35.039	39.159	43.186	163.4	0.535	
308	307	16.900	16.849	16.849	36.318	4.55					26.579	30.907	35.133	39.262	43.299	158.1	0.618	
360	358	15.900	15.842	15.842	36.163	4.53					26.695	31.042	35.286	39.432	43.485	148.3	0.696	
409	407	15.360	15.296	15.296	36.085	4.53					26.759	31.116	35.370	39.526	43.588	143.6	0.768	
459	457	14.430	14.361	14.361	35.953	4.53					26.863	31.238	35.510	39.682	43.761	134.7	0.838	
508	505	13.760	13.686	13.686	35.855	4.48					26.931	31.319	35.604	39.789	43.879	129.2	0.902	
555	552	13.290	13.211	13.211	35.799	4.46					26.986	31.384	35.677	39.871	43.971	124.9	0.962	
606	603	12.520	12.437	12.437	35.701	4.39					27.066	31.480	35.788	39.997	44.110	118.0	1.025	
658	654	11.880	11.792	11.792	35.620	4.32					27.128	31.556	35.877	40.099	44.224	112.8	1.084	
707	703	11.200	11.109	11.109	35.542	4.18					27.196	31.638	35.974	40.208	44.347	106.8	1.138	
809	804	10.020	9.923	9.923	35.433	3.86					27.322	31.790	36.151	40.410	44.572	95.6	1.242	
911	905	8.710	8.608	8.608	35.323	3.82					27.453	31.951	36.341	40.628	44.816	83.1	1.333	
1014	1007	7.790	7.683	7.683	35.270	3.98					27.553	32.073	36.484	40.791	44.998	73.8	1.414	
1115	1107	7.090	6.977	6.977	35.241	4.21					27.632	32.169	36.596	40.919	45.141	66.5	1.484	
1218	1208	6.700	6.580	6.580	35.265	4.51					27.706	32.252	36.689	41.020	45.251	60.3	1.549	
1320	1309	6.370	6.242	6.242	35.273	4.76					27.757	32.312	36.756	41.095	45.333	56.2	1.609	
1421	1409	6.010	5.875	5.875	35.255	4.97					27.791	32.355	36.808	41.155	45.402	53.4	1.664	
1524	1511	5.570	5.429	5.429	35.217	5.10					27.817	32.392	36.856	41.214	45.471	51.0	1.718	
STATION 07																		

STATION 07

EASTWARD		08		LAT = 29 12.1 N		LONG = 34 2.4 W		26/10/78		24 DRS.		SONIC DEPTH= 4909m		STATION 09	
PR	DE	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l										
1	1	25.370	25.370	37.219	4.78					24.924	29.120	33.218	37.222	41.135	303.9
29	29	24.880	24.874	37.243	4.80					25.095	29.297	33.401	37.411	41.330	289.0
52	52	24.150	24.139	37.120	5.13					25.224	29.437	33.551	37.571	41.501	277.8
103	103	20.130	20.111	36.782	5.22					26.109	30.381	34.553	38.630	42.616	195.6
154	154	18.820	18.792	36.623	4.85					26.332	30.626	34.819	38.916	42.922	176.3
206	205	18.000	17.964	36.482	4.69					26.833	30.741	34.948	39.059	43.077	168.5
257	256	17.210	17.167	36.363	4.55					26.537	30.859	35.080	39.204	43.235	160.3
307	306	16.330	16.280	36.235	4.51					26.649	30.988	35.224	39.363	43.409	151.0
358	357	15.510	15.454	36.104	4.51					26.738	31.092	35.343	39.496	43.556	143.9
409	407	14.760	14.698	36.009	4.46					26.833	31.202	35.467	39.633	43.706	136.1
460	458	14.020	13.952	35.903	4.46					26.912	31.295	35.574	39.754	43.840	129.7
510	507	13.430	13.357	35.823	4.39					26.975	31.370	35.660	39.851	43.948	124.8
557	554	12.910	12.832	35.759	4.34					27.032	31.438	35.738	39.940	44.046	120.3
606	603	12.320	12.238	35.677	4.23					27.087	31.504	35.817	40.030	44.147	115.9
658	654	11.650	11.564	35.598	4.07					27.155	31.587	35.913	40.139	44.269	110.0
707	703	10.940	10.851	35.513	3.91					27.221	31.668	36.009	40.249	44.393	104.1
808	803	9.710	9.614	35.389	3.77					27.340	31.815	36.183	40.449	44.616	93.3
908	902	8.500	8.400	35.305	3.77					27.472	31.975	36.369	40.660	44.853	80.9
1009	1002	7.680	7.574	35.260	3.98					27.561	32.084	36.497	40.807	45.017	72.7
1110	1102	7.050	6.938	35.258	4.28					27.651	32.189	36.617	40.940	45.163	64.6
1211	1202	6.620	6.501	35.258	4.51					27.711	32.259	36.698	41.031	45.263	59.5
1315	1304	6.190	6.064	35.249	4.74					27.762	32.321	36.770	41.113	45.355	55.1
1418	1406	5.780	5.648	35.227	4.97					27.798	32.367	36.826	41.179	45.431	52.0
1522	1509	5.470	5.330	35.204	5.10					27.819	32.396	36.863	41.224	45.483	50.4

STATION 08

EASTWARD			09		LAT = 27 35.4 N		LONG = 36 54.6 W		27/10/78		24 ORS.		SONIC DEPTH= 5170m		STATION 09	
PR	DF	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
1	1	25.210	25.210	37.369	4.78					25.087	29.284	33.383	37.388	41.303	288.4	0.001
28	28	25.140	25.134	37.373	4.78					25.113	29.311	33.411	37.417	41.333	287.2	0.079
51	51	25.070	25.059	37.365	4.80					25.130	29.330	33.430	37.437	41.354	286.7	0.146
102	102	21.040	21.020	36.938	5.29					25.981	30.239	34.397	38.460	42.433	207.8	0.272
152	152	19.530	19.502	36.733	4.87					26.232	30.514	34.696	38.782	42.777	185.8	0.371
202	202	18.380	18.344	36.540	4.64					26.382	30.684	34.884	38.989	43.002	173.3	0.462
255	254	17.600	17.556	36.425	4.57					26.490	30.805	35.019	39.136	43.162	164.8	0.550
304	303	16.650	16.600	36.280	4.51					26.609	30.941	35.172	39.305	43.346	154.9	0.629
354	353	15.800	15.744	36.147	4.51					26.706	31.054	35.300	39.448	43.503	147.1	0.705
405	404	15.190	15.127	36.047	4.51					26.768	31.128	35.385	39.544	43.610	142.5	0.779
457	455	14.310	14.242	35.916	4.51					26.860	31.238	35.512	39.686	43.767	134.8	0.851
508	505	13.690	13.616	35.825	4.46					26.923	31.312	35.598	39.785	43.877	129.9	0.917
558	555	12.920	12.842	35.726	4.44					27.005	31.410	35.711	39.912	44.018	122.9	0.981
608	605	12.270	12.188	35.643	4.37					27.070	31.489	35.803	40.017	44.135	117.4	1.041
660	656	11.400	11.315	35.545	4.21					27.160	31.598	35.930	40.160	44.295	109.2	1.100
710	706	10.820	10.731	35.486	4.11					27.221	31.672	36.015	40.258	44.404	103.9	1.153
811	806	9.530	9.435	35.393	3.98					27.373	31.853	36.224	40.493	44.664	90.0	1.251
913	907	8.340	8.241	35.339	4.05					27.523	32.029	36.427	40.722	44.917	75.9	1.336
1014	1007	7.360	7.256	35.273	4.21					27.618	32.148	36.568	40.884	45.101	66.8	1.408
1116	1108	6.720	6.610	35.250	4.46					27.690	32.236	36.671	41.002	45.233	60.2	1.473
1218	1209	6.060	5.946	35.200	4.69					27.738	32.301	36.753	41.099	45.344	55.5	1.532
1321	1310	5.690	5.569	35.192	4.83					27.780	32.352	36.813	41.168	45.422	52.0	1.597
1423	1411	5.440	5.311	35.183	4.99					27.804	32.383	36.850	41.211	45.471	50.3	1.639
1525	1512	5.100	4.964	35.161	5.15					27.828	32.416	36.892	41.261	45.529	48.2	1.689

STATION 09

EASTWARD		10	LAT = 26 58.0 N				LONG = 37 47.0 W			27/10/78	24 HRS.	SONIC DEPTH= 4541m				STATION 10	
pg	DF	T	deg C		S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
char	m				n/oo	ml/l											
1	1	25.720	25.720	37.441	4.74						24.983	29.173	33.265	37.264	41.171	298.3	0.002
28	28	25.660	25.654	37.482	4.76						25.035	29.226	33.318	37.317	41.225	294.7	0.082
50	50	25.520	25.509	37.489	4.80						25.085	29.278	33.372	37.373	41.283	291.0	0.147
101	101	21.480	21.460	37.012	5.17						25.916	30.167	34.318	38.375	42.341	214.0	0.276
152	152	19.370	19.342	36.688	4.80						26.240	30.524	34.709	38.798	42.795	185.1	0.378
203	203	18.340	18.304	36.527	4.64						26.382	30.685	34.886	38.991	43.005	173.3	0.470
255	255	17.750	17.706	36.472	4.53						26.489	30.802	35.013	39.127	43.150	165.0	0.557
307	307	16.990	16.939	36.355	4.46						26.586	30.912	35.136	39.264	43.299	157.4	0.641
358	358	15.990	15.932	36.191	4.41						26.696	31.041	35.283	39.428	43.480	148.2	0.720
410	408	15.160	15.096	36.059	4.41						26.784	31.144	35.402	39.561	43.627	141.1	0.794
461	459	14.500	14.431	35.960	4.37						26.854	31.227	35.497	39.669	43.746	135.7	0.865
513	510	13.730	13.655	35.853	4.34						26.936	31.325	35.610	39.795	43.887	128.8	0.933
557	554	12.930	12.852	35.737	4.30						27.011	31.416	35.717	39.918	44.024	122.2	1.049
607	604	12.340	12.257	35.665	4.21						27.073	31.491	35.803	40.016	44.132	117.2	1.107
659	655	11.460	11.374	35.557	4.05						27.158	31.595	35.925	40.155	44.288	109.4	1.163
710	706	11.040	10.950	35.510	3.98						27.200	31.646	35.985	40.223	44.365	106.2	1.263
811	806	9.450	9.356	35.347	3.72						27.351	31.832	36.205	40.476	44.650	91.9	1.350
912	906	8.150	8.052	35.231	3.72						27.467	31.979	36.382	40.681	44.881	80.6	1.427
1014	1007	7.110	7.008	35.161	4.05						27.565	32.102	36.529	40.851	45.074	71.1	1.496
1116	1108	6.570	6.462	35.182	4.44						27.656	32.206	36.646	40.981	45.215	62.9	1.559
1219	1210	6.170	6.054	35.175	4.60						27.705	32.265	36.714	41.058	45.301	58.9	1.617
1323	1312	5.740	5.618	35.158	4.85						27.747	32.318	36.778	41.132	45.385	55.2	1.672
1425	1413	5.340	5.212	35.146	5.15						27.787	32.368	36.838	41.202	45.464	51.5	1.724
1528	1515	4.970	4.836	35.127	5.33						27.816	32.407	36.887	41.260	45.531	48.8	1.724

STATION 10

EASTWARD		11	LAT = 25 20.0 N				LONG = 38 40.0 W				27/10/78	24 HRS.	SONIC DEPTH= 5223m				STATION 11	
PR	DF	T	A	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT		
dbar	m	deg C	deg C	o/oo	ml/l													
1	1	25.700	25.700	37.408	4.76					24.965	29.155	33.248	37.246	41.154	300.1	0.0022		
28	28	25.700	25.694	37.450	4.76					24.998	29.189	33.281	37.279	41.187	298.2	0.083		
51	51	25.520	25.509	37.415	4.83					25.029	29.222	33.317	37.318	41.229	296.4	0.151		
102	102	21.040	21.020	36.938	5.20					25.981	30.239	34.397	38.460	42.433	207.8	0.280		
153	153	19.720	19.692	36.776	4.78					26.215	30.494	34.673	38.756	42.748	187.5	0.382		
204	204	18.360	18.324	36.548	4.55					26.393	30.695	34.896	39.001	43.014	172.3	0.474		
257	256	17.660	17.616	36.441	4.55					26.487	30.802	35.015	39.131	43.155	165.2	0.562		
307	306	16.930	16.879	36.339	4.48					26.588	30.915	35.141	39.269	43.305	157.2	0.643		
358	357	16.220	16.162	36.237	4.44					26.678	31.019	35.257	39.398	43.445	150.1	0.722		
409	407	15.380	15.316	36.102	4.39					26.768	31.124	35.378	39.533	43.595	142.8	0.796		
460	458	14.440	14.371	35.971	4.37					26.875	31.250	35.521	39.693	43.771	133.6	0.867		
511	509	13.580	13.506	35.834	4.34					26.952	31.344	35.632	39.820	43.914	127.1	0.934		
559	556	12.820	12.742	35.754	4.28					27.046	31.454	35.756	39.959	44.067	118.9	0.992		
609	606	12.160	12.078	35.673	4.21					27.115	31.536	35.851	40.067	44.187	113.1	1.051		
660	656	11.710	11.623	35.620	4.07					27.161	31.591	35.916	40.141	44.269	109.6	1.107		
710	706	11.170	11.079	35.552	3.89					27.209	31.652	35.988	40.223	44.362	105.6	1.161		
811	806	9.740	9.644	35.390	3.52					27.336	31.811	36.178	40.442	44.610	93.8	1.262		
913	907	8.400	8.300	35.261	3.54					27.453	31.958	36.355	40.649	44.844	82.5	1.352		
1014	1007	7.310	7.207	35.187	3.79					27.557	32.089	36.511	40.829	45.047	72.3	1.430		
1117	1109	6.720	6.610	35.181	4.07					27.636	32.182	36.618	40.949	45.180	65.3	1.501		
1219	1210	5.995	5.995	35.163	4.46					27.703	32.264	36.715	41.061	45.305	58.9	1.564		
1321	1311	5.670	5.549	35.135	4.76					27.737	32.310	36.772	41.128	45.383	55.9	1.623		
1425	1413	5.290	5.162	35.128	5.01					27.779	32.361	36.833	41.198	45.461	52.1	1.679		
1529	1516	5.060	4.925	35.127	5.13					27.806	32.395	36.872	41.243	45.512	50.1	1.732		

STATION 11

EASTWARD		12		LAT = 25 56.0 N		LONG = 37 41.0 W		28/10/78		24 PMS.		SONIC DEPTH= 5277m		STATION 12	
PQ	NE	T	θ	δ	oxy	PHOS	SIL	N02	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l										
1	1	25.830	25.830	37.466	4.74					24.968	29.156	33.247	37.243	41.150	299.8
28	28	25.650	25.644	37.451	4.76					25.015	29.206	33.298	37.297	41.206	296.7
50	50	25.620	25.609	37.461	4.76					25.033	29.224	33.318	37.317	41.226	296.0
101	101	21.530	21.510	37.056	5.15					25.936	30.185	34.336	38.391	42.356	212.2
152	152	19.550	19.522	36.750	4.64					26.240	30.522	34.703	38.789	42.783	185.1
203	203	18.200	18.164	36.524	4.53					26.415	30.720	34.923	39.031	43.046	170.2
255	255	17.450	17.407	36.425	4.53					26.526	30.844	35.061	39.180	43.208	161.3
306	306	16.660	16.609	36.308	4.41					26.628	30.960	35.190	39.323	43.364	153.2
357	357	15.770	15.713	36.171	4.39					26.731	31.080	35.326	39.474	43.530	144.8
409	407	14.820	14.758	36.025	4.23					26.833	31.200	35.463	39.629	43.700	136.2
458	456	14.040	13.972	35.909	4.28					26.913	31.295	35.574	39.753	43.839	129.6
506	504	13.120	13.049	35.780	4.25					27.005	31.406	35.702	39.899	44.001	121.6
559	556	12.600	12.523	35.715	4.16					27.060	31.472	35.779	39.986	44.097	117.4
609	606	11.910	11.829	35.632	4.21					27.131	31.557	35.878	40.098	44.223	111.3
661	657	11.390	11.304	35.567	3.98					27.179	31.617	35.949	40.179	44.314	107.4
711	707	10.760	10.671	35.503	3.91					27.245	31.697	36.042	40.285	44.432	101.6
812	807	9.400	9.306	35.359	3.54					27.388	31.851	36.225	40.497	44.671	90.2
913	907	8.190	8.092	35.257	3.52					27.482	31.992	36.394	40.692	44.891	79.4
1014	1007	7.040	6.939	35.157	3.82					27.571	32.110	36.539	40.863	45.087	70.3
1117	1109	6.560	6.452	35.148	4.11					27.631	32.181	36.622	40.957	45.191	65.3
1219	1210	6.230	6.114	35.173	4.41					27.695	32.254	36.702	41.044	45.286	60.0
1321	1311	5.870	5.747	35.170	4.71					27.740	32.308	36.765	41.116	45.366	56.2
1425	1413	5.590	5.459	35.187	4.90					27.789	32.364	36.828	41.185	45.442	52.2
1529	1516	5.300	5.162	35.180	5.06					27.820	32.402	36.873	41.238	45.501	49.7

STATION 12

EASTWARD			13	LAT = 25 32.8 N			LONG = 36 40.5 W			28/10/78	24 OBS.	SONIC DEPTH= 530m				STATION 13	
PR	DE	T	θ	S	PHY	SIL	M02	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT		
dbar	m	deg C	deg C	o/oo	ml/l												
1	1	26.240	26.240	37.481	4.74				24.850	29.033	33.119	37.110	41.011	311.0	0.002		
29	29	26.050	26.043	37.464	4.76				24.899	29.085	33.173	37.167	41.070	307.7	0.088		
52	52	25.720	25.708	37.501	4.87				25.032	29.222	33.314	37.312	41.220	296.2	0.158		
103	103	21.600	21.580	37.101	5.03				25.950	30.199	34.348	38.403	42.366	210.9	0.288		
154	154	19.570	19.542	36.779	4.64				26.257	30.538	34.719	38.804	42.798	183.6	0.389		
205	205	18.070	18.034	36.506	4.57				26.434	30.741	34.946	39.056	43.073	168.4	0.479		
256	255	17.170	17.127	36.377	4.44				26.557	30.880	35.101	39.226	43.258	158.3	0.562		
306	305	16.280	16.230	36.248	4.28				26.671	31.010	35.247	39.386	43.433	148.9	0.639		
357	356	15.300	15.244	36.076	4.44				26.764	31.122	35.377	39.533	43.597	141.3	0.713		
407	405	14.610	14.549	35.980	4.37				26.844	31.215	35.483	39.652	43.727	135.0	0.782		
458	456	13.800	13.733	35.863	4.37				26.927	31.315	35.598	39.782	43.872	128.0	0.849		
507	505	12.970	12.899	35.752	4.30				27.013	31.418	35.717	39.917	44.022	120.6	0.910		
557	554	12.290	12.215	35.684	4.21				27.096	31.515	35.828	40.041	44.158	113.5	0.968		
608	605	11.570	11.491	35.587	3.98				27.160	31.594	35.922	40.149	44.280	108.1	1.025		
658	654	10.900	10.817	35.507	3.82				27.222	31.670	36.012	40.253	44.397	102.7	1.077		
708	704	10.120	10.035	35.424	3.66				27.296	31.762	36.120	40.377	44.536	95.8	1.127		
810	805	8.830	8.739	35.295	3.47				27.410	31.906	36.293	40.577	44.763	85.2	1.220		
911	905	7.720	7.625	35.197	3.61				27.504	32.026	36.439	40.748	44.957	76.3	1.301		
1011	1004	6.970	6.870	35.152	3.84				27.577	32.117	36.548	40.873	45.099	69.6	1.374		
1112	1104	6.490	6.383	35.166	4.16				27.654	32.206	36.648	40.984	45.221	62.8	1.441		
1214	1205	6.170	6.055	35.182	4.44				27.710	32.270	36.719	41.063	45.306	58.3	1.503		
1317	1307	5.900	5.777	35.196	4.64				27.757	32.324	36.779	41.130	45.379	54.7	1.561		
1422	1410	5.350	5.222	35.146	4.94				27.786	32.367	36.837	41.200	45.462	51.7	1.617		
1527	1514	4.990	4.856	35.133	5.15				27.819	32.409	36.888	41.261	45.531	48.7	1.669		
																STATION 13	

STATION 13

EASTWARD		14		LAT = 25		9.2 N		LONG = 35 40.7 W		29/10/78		24 NRS.		SONIC DEPTH= 5585m		STATION 14	
PR	DE	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	
dbar	m	deg C	deg C	o/oo	ml/l												
1	1	26.150	26.150	37.342	4.71					24.774	28.959	33.046	37.039	40.942	318.3	0.002	
28	28	26.040	26.034	37.416	4.74					24.866	29.052	33.141	37.135	41.039	310.8	0.087	
50	50	25.930	25.919	37.494	4.80					24.961	29.148	33.238	37.233	41.138	302.9	0.155	
100	100	21.840	21.820	37.108	5.13					25.888	30.133	34.279	38.330	42.291	216.7	0.285	
151	151	20.210	20.181	36.892	4.87					26.174	30.444	34.615	38.690	42.674	191.5	0.390	
202	202	18.770	18.734	36.640	4.46					26.360	30.655	34.849	38.947	42.953	175.6	0.484	
255	254	17.420	17.377	36.405	4.48					26.518	30.837	35.054	39.174	43.202	162.1	0.572	
306	305	16.530	16.480	36.281	4.34					26.638	30.972	35.205	39.340	43.383	152.2	0.653	
357	356	15.600	15.544	36.130	4.39					26.738	31.090	35.339	39.491	43.549	144.0	0.729	
409	407	14.710	14.648	35.996	4.37					26.834	31.204	35.469	39.637	43.710	136.0	0.801	
460	458	13.940	13.873	35.886	4.34					26.916	31.300	35.581	39.763	43.850	129.3	0.869	
510	508	13.450	13.377	35.819	4.30					26.968	31.362	35.652	39.843	43.939	125.5	0.933	
559	556	12.440	12.364	35.673	4.14					27.059	31.474	35.784	39.995	44.109	117.3	0.992	
609	606	11.710	11.630	35.583	3.91					27.130	31.561	35.887	40.111	44.240	111.1	1.049	
661	657	11.090	11.006	35.513	3.75					27.192	31.637	35.975	40.212	44.352	105.8	1.105	
711	707	10.340	10.253	35.431	3.61					27.263	31.724	36.078	40.331	44.486	99.3	1.157	
813	808	9.040	8.948	35.294	3.45					27.376	31.867	36.249	40.529	44.711	88.9	1.252	
915	909	7.810	7.714	35.188	3.52					27.484	32.004	36.415	40.722	44.929	78.4	1.338	
1016	1009	6.940	6.839	35.123	3.82					27.558	32.100	36.531	40.857	45.084	71.3	1.413	
1118	1110	6.480	6.372	35.139	4.09					27.634	32.187	36.629	40.966	45.202	64.7	1.483	
1219	1210	6.160	6.045	35.145	4.39					27.682	32.243	36.693	41.037	45.281	61.0	1.546	
1321	1311	5.810	5.688	35.142	4.62					27.725	32.295	36.753	41.106	45.357	57.4	1.607	
1423	1411	5.520	5.390	35.146	4.83					27.765	32.342	36.808	41.167	45.426	54.1	1.663	
1524	1511	5.150	5.014	35.129	5.03					27.797	32.384	36.859	41.227	45.494	51.2	1.717	

STATION 14

EASTWARD			15	LAT = 24 45.8 N			LONG = 34 40.6 W			29/10/78	24 ORS.	SONIC DEPTH= 6715m			STATION	15
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	n/oo	ml/l											
1	1	25.880	25.880	37.453	4.74					24.942	29.130	33.220	37.216	41.122	302.2	0.002
30	30	25.660	25.653	37.445	4.76					25.007	29.198	33.291	37.290	41.198	297.5	0.089
54	54	25.590	25.578	37.444	4.76					25.030	29.222	33.315	37.315	41.225	296.5	0.160
105	105	21.160	21.140	37.007	5.24					26.001	30.256	34.413	38.474	42.444	206.1	0.289
156	156	19.360	19.331	36.770	4.51					26.305	30.589	34.774	38.862	42.859	179.1	0.388
207	207	18.320	18.283	36.585	4.34					26.432	30.734	34.936	39.041	43.054	168.8	0.477
258	257	16.960	16.917	36.364	4.18					26.598	30.924	35.149	39.277	43.312	154.4	0.558
309	308	16.050	16.000	36.222	4.39					26.704	31.048	35.289	39.432	43.482	145.8	0.635
350	359	14.960	14.905	36.051	4.37					26.820	31.184	35.445	39.608	43.677	135.9	0.704
410	408	14.120	14.059	35.926	4.39					26.907	31.288	35.565	39.743	43.827	128.7	0.773
451	459	13.480	13.414	35.844	4.34					26.979	31.373	35.662	39.852	43.948	122.9	0.837
510	508	12.830	12.759	35.759	4.28					27.047	31.454	35.756	39.958	44.066	117.4	0.897
561	558	12.320	12.244	35.689	4.21					27.095	31.512	35.825	40.037	44.154	113.8	0.955
610	607	11.730	11.650	35.610	4.02					27.148	31.578	35.903	40.127	44.255	109.5	1.010
663	659	10.730	10.647	35.481	3.63					27.232	31.684	36.030	40.274	44.422	101.6	1.066
712	708	10.120	10.034	35.410	3.49					27.285	31.751	36.110	40.366	44.526	96.9	1.115
814	809	8.670	8.580	35.261	3.38					27.409	31.908	36.299	40.587	44.776	85.1	1.207
915	909	7.560	7.466	35.151	3.54					27.492	32.017	36.434	40.747	44.960	77.2	1.289
1016	1009	6.580	6.482	35.090	3.89					27.581	32.131	36.571	40.906	45.140	68.3	1.363
1118	1110	5.990	5.887	35.067	4.23					27.641	32.206	36.660	41.009	45.257	62.8	1.430
1220	1211	5.780	5.668	35.098	4.51					27.693	32.263	36.723	41.076	45.328	58.9	1.492
1323	1313	5.410	5.291	35.091	4.76					27.734	32.314	36.782	41.144	45.405	55.3	1.551
1429	1417	5.140	5.014	35.099	4.97					27.773	32.360	36.835	41.204	45.471	52.2	1.607
1533	1520	4.880	4.746	35.095	5.15					27.801	32.395	36.877	41.252	45.525	49.9	1.661

STATION 15

EASTWARD		16	LAT = 24 21.0 N		LONG = 33 41.0 W		29/10/78	24 ONS.	SONIC DEPTH= 5585m					STATION 16		
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	‰	ml/l											
1	1	25.900	25.900	37.416	4.74					24.908	29.096	33.186	37.182	41.088	305.5	0.002
28	28	25.850	25.844	37.436	4.76					24.941	29.129	33.220	37.216	41.123	303.7	0.084
50	50	24.900	24.889	37.380	5.01					25.194	29.395	33.498	37.507	41.426	280.7	0.149
100	100	21.110	21.091	36.973	5.22					25.989	30.245	34.402	38.464	42.435	207.0	0.271
151	151	19.580	19.552	36.794	4.80					26.266	30.566	34.727	38.812	42.806	182.6	0.371
201	201	18.260	18.225	36.548	4.60					26.418	30.722	34.924	39.031	43.045	169.8	0.459
253	252	17.340	17.297	36.424	4.46					26.552	30.872	35.090	39.211	43.240	158.7	0.544
304	303	16.040	15.991	36.229	4.00					26.712	31.055	35.296	39.440	43.490	144.9	0.622
354	353	15.030	14.975	36.064	4.00					26.815	31.177	35.437	39.598	43.666	136.3	0.692
406	404	14.210	14.150	35.951	3.86					26.907	31.286	35.561	39.737	43.820	128.6	0.760
457	455	13.490	13.424	35.848	3.91					26.980	31.374	35.663	39.852	43.948	122.7	0.825
506	504	12.780	12.710	35.755	4.00					27.054	31.462	35.765	39.968	44.076	116.6	0.884
543	540	12.470	12.396	35.717	4.02					27.087	31.501	35.810	40.020	44.134	114.2	0.926
592	589	11.910	11.831	35.640	3.93					27.136	31.563	35.884	40.104	44.229	110.3	0.981
644	640	11.340	11.257	35.563	3.79					27.185	31.624	35.956	40.188	44.324	106.4	1.037
694	690	10.680	10.594	35.471	3.38					27.234	31.687	36.034	40.280	44.428	102.1	1.090
796	791	9.050	8.960	35.278	2.87					27.362	31.852	36.235	40.514	44.696	89.9	1.187
897	891	7.890	7.796	35.181	3.20					27.467	31.985	36.394	40.699	44.904	79.9	1.273
999	992	6.950	6.851	35.094	3.47					27.534	32.075	36.506	40.833	45.059	73.3	1.351
1100	1092	6.300	6.196	35.072	3.89					27.605	32.162	36.609	40.951	45.191	66.7	1.422
1202	1193	5.770	5.660	35.069	4.34					27.671	32.242	36.702	41.055	45.308	60.6	1.487
1304	1294	5.550	5.432	35.086	4.57					27.713	32.289	36.754	41.113	45.371	57.5	1.547
1404	1393	5.330	5.204	35.099	4.80					27.751	32.333	36.803	41.168	45.430	54.6	1.603
1506	1493	5.050	4.917	35.107	5.03					27.791	32.380	36.858	41.229	45.498	51.2	1.657

STATION 16

17

EASTWARD		18		LAT = 23 33.2 N		LONG = 31 41.0 W		30/10/78		24 OPS.		SONIC DEPTH= 6101m		STATION 18	
PR	DF	T	θ	S	oxy	PHOS	SIL	N02	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l										
1	1	25.940	25.940	37.122	4.76					24.674	28.863	32.954	36.951	40.857	327.8
29	29	25.870	25.863	37.125	4.76					24.700	28.890	32.982	36.980	40.887	326.7
52	52	25.080	25.069	37.249	4.97					25.040	29.239	33.341	37.348	41.265	295.4
102	102	22.440	22.419	37.217	5.13					25.801	30.037	34.174	38.216	42.168	225.1
153	153	20.250	20.221	36.943	4.55					26.202	30.472	34.641	38.716	42.699	0.402
204	204	18.250	18.214	36.589	4.30					26.452	30.756	34.958	39.064	43.079	166.7
256	255	16.660	16.618	36.295	3.77					26.616	30.948	35.178	39.311	43.351	152.5
307	306	15.840	15.791	36.184	3.93					26.723	31.070	35.315	39.462	43.516	143.8
359	358	14.840	14.785	36.009	3.52					26.814	31.181	35.444	39.609	43.681	136.3
409	407	13.950	13.890	35.867	3.19					26.898	31.282	35.562	39.744	43.831	129.4
460	458	13.280	13.215	35.812	3.75					26.996	31.393	35.686	39.880	43.979	121.2
509	507	12.630	12.560	35.713	3.66					27.051	31.462	35.768	39.975	44.086	116.8
550	547	12.130	12.056	35.645	3.49					27.097	31.519	35.835	40.051	44.172	113.1
600	597	11.560	11.482	35.574	3.40					27.151	31.585	35.914	40.141	44.272	108.7
650	646	10.520	10.440	35.426	2.94					27.226	31.683	36.034	40.282	44.434	101.5
700	696	9.810	9.727	35.339	2.85					27.282	31.755	36.121	40.384	44.550	96.4
800	795	8.530	8.443	35.196	2.90					27.380	31.883	36.277	40.568	44.761	87.3
901	895	7.570	7.477	35.103	3.13					27.452	31.978	36.395	40.707	44.921	80.6
1002	995	6.740	6.643	35.058	3.45					27.534	32.081	36.517	40.848	45.080	72.8
1104	1096	6.220	6.116	35.048	3.79					27.596	32.156	36.605	40.948	45.191	67.3
1206	1197	5.880	5.769	35.053	4.05					27.645	32.213	36.670	41.022	45.272	63.4
1308	1298	5.690	5.570	35.097	4.32					27.705	32.277	36.739	41.095	45.349	58.8
1412	1401	5.380	5.253	35.100	4.60					27.746	32.326	36.796	41.159	45.421	55.3
1518	1505	5.030	4.896	35.090	4.80					27.780	32.370	36.848	41.220	45.490	52.3

STATION 18

EASTWARD			19		LAT = 23		9.6 N		LONG = 30 40.6 W		31/10/78		24 OBS.		SONIC DEPTH= 5689m		STATION 19	
PQ	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT		
dbar	m	deg C	deg C	o/oo	ml/l													
1	1	25.500	25.500	37.330	4.74					24.968	29.161	33.257	37.258	41.170	299.8	0.002		
28	28	25.690	25.684	37.477	4.76					25.022	29.212	33.304	37.303	41.211	296.0	0.082		
51	51	24.990	24.979	37.394	4.87					25.177	29.377	33.479	37.486	41.404	282.3	0.149		
101	101	21.990	21.970	37.196	5.10					25.913	30.155	34.298	38.347	42.305	214.4	0.274		
152	152	20.280	20.251	36.989	4.78					26.229	30.498	34.667	38.741	42.723	186.3	0.376		
203	203	18.300	18.264	36.607	4.39					26.453	30.756	34.958	39.063	43.076	166.6	0.467		
255	254	17.260	17.217	36.434	4.30					26.579	30.900	35.120	39.242	43.272	156.2	0.550		
306	305	16.020	15.971	36.230	4.16					26.717	31.061	35.302	39.446	43.497	144.4	0.627		
356	355	14.730	14.676	36.009	3.63					26.838	31.207	35.472	39.639	43.712	133.9	0.697		
407	405	14.070	14.010	35.913	3.49					26.908	31.289	35.567	39.746	43.831	128.5	0.763		
457	455	13.270	13.205	35.817	3.84					27.001	31.399	35.693	39.886	43.986	120.5	0.826		
507	505	12.470	12.401	35.698	3.70					27.071	31.485	35.795	40.004	44.118	114.7	0.885		
552	549	11.800	11.727	35.602	3.40					27.127	31.556	35.879	40.101	44.228	110.0	0.935		
602	599	11.120	11.043	35.511	3.26					27.184	31.627	35.965	40.201	44.341	105.1	0.989		
653	649	10.340	10.260	35.415	3.01					27.249	31.710	36.064	40.317	44.472	99.2	1.040		
703	699	9.740	9.657	35.339	2.92					27.294	31.769	36.136	40.401	44.568	95.3	1.089		
805	800	8.290	8.203	35.180	3.01					27.404	31.913	36.312	40.609	44.806	84.7	1.181		
907	901	7.530	7.437	35.119	3.22					27.471	31.997	36.415	40.728	44.942	78.9	1.264		
1009	1002	6.780	6.681	35.081	3.52					27.547	32.092	36.528	40.858	45.088	71.9	1.341		
1111	1103	6.180	6.076	35.065	3.84					27.615	32.175	36.625	40.969	45.213	65.6	1.411		
1213	1204	5.820	5.708	35.072	4.11					27.667	32.237	36.695	41.048	45.300	61.2	1.476		
1315	1305	5.840	5.718	35.153	4.39					27.730	32.299	36.757	41.108	45.359	56.9	1.537		
1417	1406	5.500	5.371	35.146	4.64					27.768	32.345	36.811	41.171	45.430	53.8	1.593		
1520	1507	5.130	4.995	35.123	4.87					27.795	32.382	36.857	41.226	45.494	51.3	1.647		

STATION 19

EASTWARD		20	LAT = 22 46.4 N LONG = 29 38.8 W										31/10/78	24 HRS.	SONIC DEPTH= 5947m				STATION	20
PR	DF	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT				
dbar	m	deg C	deg C	o/oo	ml/l															
1	1	26.090	26.090	37.330	4.76					24.784	28.969	33.057	37.052	40.955	317.3	0.002				
28	28	25.620	25.614	37.324	4.76					24.928	29.120	33.214	37.214	41.124	304.9	0.086				
51	51	24.140	24.129	37.221	5.13					25.303	29.516	33.629	37.649	41.578	270.2	0.152				
102	102	20.640	20.620	37.012	5.10					26.147	30.410	34.573	38.642	42.619	192.1	0.271				
153	153	19.180	19.152	36.775	4.60					26.355	30.643	34.829	38.920	42.920	174.1	0.364				
204	204	17.160	17.126	36.413	4.30					26.585	30.908	35.129	39.253	43.285	153.7	0.449				
257	256	16.040	15.999	36.232	4.18					26.712	31.056	35.297	39.440	43.490	143.2	0.526				
308	307	14.840	14.793	36.039	4.09					26.836	31.202	35.465	39.630	43.701	132.6	0.597				
359	358	13.950	13.897	35.911	3.98					26.930	31.314	35.594	39.775	43.862	124.8	0.663				
410	408	13.190	13.132	35.799	3.75					27.002	31.402	35.697	39.892	43.992	119.0	0.724				
460	458	12.390	12.328	35.684	3.56					27.074	31.490	35.801	40.012	44.127	112.9	0.783				
509	507	11.600	11.534	35.570	3.29					27.139	31.572	35.899	40.125	44.256	107.5	0.837				
557	554	11.380	11.308	35.540	3.15					27.157	31.595	35.927	40.158	44.293	106.7	0.898				
607	604	10.600	10.525	35.437	2.85					27.220	31.675	36.023	40.270	44.420	101.2	0.940				
659	655	9.960	9.882	35.354	2.67					27.268	31.737	36.099	40.360	44.523	97.1	0.991				
709	705	9.090	9.010	35.241	2.48					27.325	31.814	36.196	40.475	44.656	91.5	1.039				
811	806	7.920	7.835	35.112	2.57					27.407	31.924	36.333	40.637	44.843	83.9	1.128				
913	907	7.130	7.039	35.059	2.97					27.480	32.017	36.444	40.767	44.989	77.3	1.210				
1015	1008	6.580	6.482	35.058	3.36					27.556	32.106	36.546	40.881	45.116	70.7	1.286				
1117	1109	6.250	6.144	35.089	3.70					27.625	32.183	36.631	40.974	45.216	65.0	1.355				
1217	1208	6.060	5.946	35.125	4.00					27.679	32.242	36.695	41.041	45.287	60.9	1.418				
1317	1307	5.740	5.619	35.127	4.28					27.722	32.293	36.754	41.108	45.361	57.4	1.477				
1417	1406	5.340	5.213	35.114	4.62					27.762	32.343	36.813	41.177	45.440	53.8	1.533				
1517	1504	4.980	4.847	35.098	4.80					27.792	32.383	36.862	41.235	45.506	51.0	1.585				
																	STATION	20		

STATION 20

EASTWARD		21	LAT = 22 22.0 N		LONG = 29 41.0 W		1/11/78	24 OBS.	SONIC DEPTH= 5792m					STATION 21		
PR dbar	DF m	T deg C	θ deg C	S o/oo	OXY ml/l	PHOS	SIL	N02	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
1	1	25.830	25.830	37.276	4.76					24.824	29.014	33.105	37.103	41.010	313.4	0.002
28	28	25.660	25.654	37.279	4.76					24.882	29.073	33.167	37.167	41.076	309.3	0.086
51	51	25.410	25.399	37.295	4.85					24.973	29.168	33.265	37.268	41.180	301.8	0.151
102	102	21.210	21.190	37.091	5.15					26.051	30.305	34.460	38.520	42.489	201.2	0.285
153	153	19.480	19.452	36.840	4.87					26.327	30.609	34.791	38.877	42.872	176.9	0.382
204	204	18.050	18.014	36.567	4.55					26.485	30.792	34.998	39.107	43.125	163.5	0.469
256	255	16.710	16.668	36.331	4.30					26.632	30.963	35.192	39.324	43.363	151.0	0.550
307	306	15.570	15.522	36.148	4.25					26.757	31.109	35.359	39.511	43.569	140.5	0.625
357	356	14.570	14.516	35.994	3.86					26.861	31.233	35.501	39.671	43.747	131.6	0.693
409	407	13.700	13.641	35.872	4.00					26.954	31.343	35.628	39.813	43.905	123.9	0.759
460	458	12.940	12.876	35.763	3.82					27.027	31.431	35.731	39.931	44.036	118.0	0.821
510	508	12.100	12.032	35.639	3.61					27.097	31.519	35.836	40.053	44.174	111.9	0.879
556	553	11.250	11.179	35.535	3.31					27.178	31.618	35.953	40.186	44.323	104.7	0.928
607	604	10.420	10.346	35.427	3.10					27.244	31.703	36.055	40.305	44.459	98.7	0.980
658	654	9.670	9.593	35.339	2.92					27.305	31.781	36.149	40.416	44.584	93.1	1.029
708	704	8.970	8.891	35.254	2.85					27.354	31.846	36.231	40.512	44.695	88.6	1.074
810	805	7.800	7.716	35.123	2.83					27.433	31.953	36.364	40.672	44.880	81.2	1.161
912	906	6.930	6.841	35.026	3.06					27.482	32.024	36.456	40.783	45.010	76.7	1.241
1014	1007	6.460	6.363	35.048	3.47					27.564	32.117	36.560	40.898	45.135	69.6	1.316
1116	1108	6.150	6.045	35.064	3.79					27.618	32.179	36.630	40.975	45.219	65.3	1.385
1218	1209	6.040	5.926	35.121	3.98					27.679	32.242	36.695	41.042	45.289	60.9	1.449
1321	1311	5.570	5.450	35.103	4.30					27.724	32.300	36.764	41.123	45.380	56.7	1.510
1424	1413	5.220	5.093	35.104	4.57					27.768	32.353	36.826	41.193	45.458	52.9	1.567
1529	1516	4.900	4.767	35.090	4.74					27.795	32.388	36.870	41.244	45.517	50.5	1.621

STATION 21

FASTWARD			22	LAT = 23 26.1 N			LONG = 28 49.5 W			1/11/78	24 HRS.	SONIC DEPTH= 5926m			STATION	22	
PR	DF	T	deg C	9	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m			deg C	o/oo	ml/l											
1	1	25.650	25.650	25.650	37.355	4.80					24.940	29.132	33.225	37.224	41.134	302.4	0.002
28	28	25.490	25.484	25.484	37.361	4.78					24.996	29.190	33.285	37.287	41.198	298.4	0.083
51	51	24.930	24.919	24.919	37.328	4.97					25.145	29.346	33.449	37.458	41.377	285.3	0.150
102	102	20.700	20.680	20.680	36.981	5.22					26.107	30.369	34.532	38.600	42.577	195.9	0.273
154	154	19.490	19.462	19.462	36.836	4.85					26.321	30.603	34.785	38.871	42.866	177.5	0.371
205	205	17.680	17.645	17.645	36.496	4.53					26.522	30.836	35.048	39.163	43.187	159.9	0.458
257	256	16.210	16.168	16.168	36.249	4.46					26.686	31.026	35.264	39.405	43.452	145.7	0.536
308	307	15.330	15.282	15.282	36.118	4.39					26.788	31.145	35.399	39.555	43.617	137.4	0.609
357	356	14.260	14.207	14.207	35.961	4.11					26.903	31.280	35.554	39.730	43.811	127.5	0.674
408	406	13.660	13.601	13.601	35.877	4.11					26.966	31.356	35.641	39.828	43.920	122.7	0.737
459	457	12.810	12.746	12.746	35.750	3.89					27.042	31.450	35.752	39.955	44.062	116.3	0.798
510	508	12.110	12.042	12.042	35.644	3.66					27.099	31.521	35.838	40.054	44.175	111.8	0.857
554	551	11.760	11.687	11.687	35.596	3.47					27.130	31.559	35.883	40.107	44.234	109.7	0.905
604	601	11.070	10.993	10.993	35.504	3.24					27.188	31.632	35.971	40.208	44.349	104.8	0.959
655	651	10.350	10.270	10.270	35.417	3.08					27.249	31.710	36.064	40.316	44.471	99.2	1.010
705	701	9.800	9.717	9.717	35.360	3.10					27.300	31.773	36.139	40.403	44.569	94.8	1.059
806	801	8.460	8.372	8.372	35.232	3.15					27.419	31.923	36.319	40.611	44.805	83.7	1.149
907	901	7.260	7.169	7.169	35.100	3.20					27.494	32.028	36.451	40.771	44.990	76.2	1.230
1010	1003	6.620	6.523	6.523	35.070	3.52					27.560	32.109	36.548	40.882	45.116	70.3	1.305
1112	1104	6.200	6.095	6.095	35.074	3.86					27.620	32.179	36.629	40.972	45.215	65.3	1.375
1214	1205	5.880	5.768	5.768	35.087	4.14					27.672	32.240	36.697	41.048	45.298	61.0	1.439
1317	1307	5.600	5.490	5.490	35.112	4.46					27.727	32.302	36.766	41.124	45.380	56.5	1.500
1423	1411	5.270	5.143	5.143	35.108	4.67					27.765	32.349	36.821	41.186	45.450	53.3	1.557
1527	1514	4.900	4.856	4.856	35.103	4.87					27.795	32.386	36.865	41.237	45.508	50.8	1.612

FASTWARD			22	LAT = 23 26.1 N			LONG = 28 49.5 W			1/11/78	24 HRS.	SONIC DEPTH= 5926m			STATION	22	
PR	DF	T	deg C	9	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m			deg C	o/oo	ml/l											
1	1	25.650	25.650	25.650	37.355	4.80					24.940	29.132	33.225	37.224	41.134	302.4	0.002
28	28	25.490	25.484	25.484	37.361	4.78					24.996	29.190	33.285	37.287	41.198	298.4	0.083
51	51	24.930	24.919	24.919	37.328	4.97					25.145	29.346	33.449	37.458	41.377	285.3	0.150
102	102	20.700	20.680	20.680	36.981	5.22					26.107	30.369	34.532	38.600	42.577	195.9	0.273
154	154	19.490	19.462	19.462	36.836	4.85					26.321	30.603	34.785	38.871	42.866	177.5	0.371
205	205	17.680	17.645	17.645	36.496	4.53					26.522	30.836	35.048	39.163	43.187	159.9	0.458
257	256	16.210	16.168	16.168	36.249	4.46					26.686	31.026	35.264	39.405	43.452	145.7	0.536
308	307	15.330	15.282	15.282	36.118	4.39					26.788	31.145	35.399	39.555	43.617	137.4	0.609
357	356	14.260	14.207	14.207	35.961	4.11					26.903	31.280	35.554	39.730	43.811	127.5	0.674
408	406	13.660	13.601	13.601	35.877	4.11					26.966	31.356	35.641	39.828	43.920	122.7	0.737
459	457	12.810	12.746	12.746	35.750	3.89					27.042	31.450	35.752	39.955	44.062	116.3	0.798
510	508	12.110	12.042	12.042	35.644	3.66					27.099	31.521	35.838	40.054	44.175	111.8	0.857
554	551	11.760	11.687	11.687	35.596	3.47					27.130	31.559	35.883	40.107	44.234	109.7	0.905
604	601	11.070	10.993	10.993	35.504	3.24					27.188	31.632	35.971	40.208	44.349	104.8	0.959
655	651	10.350	10.270	10.270	35.417	3.08					27.249	31.710	36.064	40.316	44.471	99.2	1.010
705	701	9.800	9.717	9.717	35.360	3.10					27.300	31.773	36.139	40.403	44.569	94.8	1.059
806	801	8.460	8.372	8.372	35.232	3.15					27.419	31.923	36.319	40.611	44.805	83.7	1.149
907	901	7.260	7.169	7.169	35.100	3.20					27.494	32.028	36.451	40.771	44.990	76.2	1.230
1010	1003	6.620	6.523	6.523	35.070	3.52					27.560	32.109	36.548	40.882	45.116	70.3	1.305
1112	1104	6.200	6.095	6.095	35.074	3.86					27.620	32.179	36.629	40.972	45.215	65.3	1.375
1214	1205	5.880	5.768	5.768	35.087	4.14					27.672	32.240	36.697	41.048	45.298	61.0	1.439
1317	1307	5.600	5.490	5.490	35.112	4.46					27.727	32.302	36.766	41.124	45.380	56.5	1.500
1423	1411	5.270	5.143	5.143	35.108	4.67					27.765	32.349	36.821	41.186	45.450	53.3	1.557
1527	1514	4.900	4.856	4.856	35.103	4.87					27.795	32.386	36.865	41.237	45.508	50.8	1.612

STATION 22

EASTWARD			23	LAT = 24 30.0 N			LONG = 29 57.5 W			1/11/78	24 ORS.	SONIC DEPTH= 5638m				STATION 23	
PR dbar	DE m	T deg C	θ deg C	S o/oo	OXY ml/l	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	
1	1	25.260	25.260	37.307	4.78					25.025	29.222	33.320	37.325	41.239	294.4	0.001	
28	28	25.240	25.234	37.361	4.80					25.074	29.270	33.369	37.374	41.288	291.0	0.081	
51	51	23.020	23.009	37.093	5.36					25.537	29.765	33.895	37.930	41.874	248.0	0.143	
103	103	20.840	20.820	37.054	4.97					26.124	30.384	34.545	38.610	42.584	194.3	0.259	
154	154	19.220	19.192	36.780	4.90					26.349	30.635	34.822	38.912	42.911	174.8	0.353	
205	205	17.560	17.525	36.477	4.55					26.537	30.853	35.067	39.184	43.210	158.5	0.439	
256	255	16.350	16.308	36.270	4.39					26.670	31.007	35.243	39.381	43.426	147.3	0.515	
308	307	15.450	15.402	36.135	4.46					26.774	31.129	35.380	39.534	43.595	138.8	0.590	
358	357	14.610	14.556	36.032	4.34					26.882	31.253	35.520	39.689	43.764	129.8	0.658	
410	408	13.760	13.700	35.892	4.37					26.957	31.345	35.628	39.813	43.903	123.7	0.723	
460	458	13.180	13.115	35.815	4.41					27.018	31.418	35.713	39.908	44.009	119.0	0.784	
511	508	12.500	12.430	35.722	4.37					27.084	31.497	35.806	40.015	44.128	113.6	0.843	
558	555	12.180	12.105	35.677	4.21					27.112	31.533	35.848	40.063	44.183	111.9	0.896	
609	606	11.550	11.471	35.602	4.07					27.175	31.609	35.938	40.165	44.296	106.7	0.952	
661	657	10.840	10.757	35.507	3.61					27.233	31.682	36.026	40.267	44.413	101.6	1.006	
710	706	10.250	10.164	35.435	3.40					27.282	31.745	36.101	40.355	44.512	97.4	1.055	
811	806	8.750	8.660	35.276	3.15					27.408	31.905	36.295	40.580	44.768	85.3	1.147	
914	908	7.680	7.585	35.177	3.31					27.495	32.017	36.431	40.741	44.951	77.1	1.231	
1015	1008	6.820	6.720	35.123	3.63					27.575	32.119	36.553	40.882	45.111	69.5	1.305	
1117	1109	6.390	6.283	35.132	3.93					27.641	32.195	36.640	40.979	45.217	63.9	1.373	
1219	1210	6.260	6.144	35.183	4.16					27.699	32.257	36.704	41.046	45.287	59.7	1.436	
1323	1313	5.940	5.816	35.203	4.41					27.757	32.323	36.778	41.127	45.375	54.9	1.496	
1427	1415	5.630	5.498	35.193	4.60					27.789	32.363	36.826	41.182	45.438	52.4	1.551	
1532	1519	5.250	5.112	35.174	4.78					27.821	32.405	36.877	41.243	45.507	49.5	1.605	

STATION 23

EASTWARD		24	LAT = 25 30.0 N			LONG = 29 7.0 W			2/11/78	24 HRS.	SONIC DEPTH= 5826m				STATION	24
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
1	1	25.040	25.040	37.125	4.80					24.955	29.156	33.258	37.266	41.184	301.0	0.002
29	29	25.030	25.024	37.136	4.80					24.968	29.169	33.272	37.280	41.198	301.1	0.086
53	53	24.110	24.099	37.139	5.08					26.250	29.464	33.578	37.599	41.529	275.3	0.156
102	102	20.170	20.151	36.913	5.22					26.198	30.469	34.640	38.715	42.700	187.1	0.269
153	153	19.210	19.182	36.789	4.94					26.358	30.645	34.831	38.922	42.921	173.9	0.362
205	205	17.710	17.675	36.492	4.28					26.512	30.825	35.037	39.152	43.175	160.9	0.449
257	256	16.700	16.658	36.338	4.30					26.640	30.971	35.200	39.332	43.371	150.3	0.529
308	307	15.890	15.841	36.199	4.41					26.723	31.070	35.313	39.460	43.513	143.8	0.605
359	358	14.990	14.935	36.058	4.32					26.819	31.183	35.443	39.605	43.674	136.0	0.677
411	409	14.170	14.109	35.942	4.46					26.909	31.289	35.564	39.742	43.825	128.6	0.745
461	459	13.330	13.264	35.828	4.44					26.998	31.394	35.687	39.879	43.977	121.1	0.807
512	509	12.650	12.579	35.733	4.39					27.063	31.473	35.779	39.985	44.095	115.8	0.867
558	555	11.800	11.726	35.613	4.23					27.135	31.564	35.887	40.110	44.236	109.3	0.919
608	605	11.320	11.242	35.570	4.05					27.193	31.632	35.965	40.197	44.333	104.7	0.973
650	656	10.780	10.697	35.520	3.79					27.254	31.704	36.049	40.292	44.438	99.6	1.026
710	706	10.250	10.164	35.462	3.61					27.303	31.766	36.121	40.375	44.532	95.4	1.075
811	806	9.170	9.077	35.381	3.52					27.423	31.910	36.290	40.566	44.745	84.7	1.166
912	906	8.040	7.943	35.271	3.49					27.515	32.029	36.434	40.735	44.937	76.0	1.247
1013	1006	7.290	7.187	35.227	3.75					27.591	32.123	36.546	40.864	45.082	69.0	1.320
1115	1107	6.720	6.611	35.207	4.00					27.656	32.202	36.638	40.969	45.200	63.3	1.388
1216	1207	6.390	6.273	35.218	4.25					27.710	32.264	36.708	41.047	45.285	59.0	1.449
1319	1300	5.960	5.836	35.198	4.48					27.751	32.316	36.771	41.119	45.367	55.5	1.509
1423	1411	5.650	5.519	35.192	4.67					27.786	32.359	36.821	41.178	45.433	52.7	1.564
1526	1513	5.310	5.172	35.182	4.87					27.820	32.402	36.873	41.237	45.500	49.7	1.617

STATION 24

EASTWARD		25	LAT = 26 30.0 N				LONG = 29 15.0 W				2/11/78	24 DRS.	SONIC DEPTH= 5689m				STATION	25
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT		
dbar	m	deg C	deg C	o/oo	ml/l													
1	1	24.760	24.760	37.239	4.83					25.127	29.330	33.436	37.447	41.368	284.7	0.001		
27	27	24.790	24.784	37.237	4.83					25.118	29.321	33.426	37.437	41.358	286.8	0.076		
50	50	24.760	24.749	37.235	4.83					25.128	29.331	33.437	37.449	41.370	286.9	0.142		
101	101	20.400	20.381	36.906	5.24					26.131	30.398	34.566	38.638	42.620	193.5	0.265		
151	151	18.590	18.563	36.604	4.80					26.376	30.673	34.870	38.971	42.980	172.0	0.357		
202	202	17.570	17.535	36.420	4.74					26.491	30.807	35.021	39.139	43.164	162.7	0.443		
255	254	16.850	16.808	36.312	4.62					26.584	30.913	35.140	39.269	43.307	155.6	0.526		
305	304	16.030	15.981	36.197	4.53					26.689	31.033	35.275	39.419	43.470	147.0	0.602		
355	354	15.140	15.085	36.064	4.51					26.790	31.151	35.409	39.568	43.634	138.7	0.674		
407	405	14.320	14.259	35.947	4.48					26.881	31.257	35.531	39.705	43.785	131.2	0.744		
458	456	13.850	13.783	35.888	4.41					26.936	31.323	35.605	39.788	43.877	127.2	0.810		
510	507	13.140	13.068	35.797	4.41					27.014	31.415	35.711	39.907	44.009	120.8	0.874		
558	555	12.380	12.304	35.706	4.30					27.096	31.512	35.824	40.035	44.150	113.7	0.930		
608	605	11.860	11.779	35.646	4.21					27.151	31.578	35.900	40.121	44.247	109.3	0.987		
659	655	11.140	11.056	35.552	3.95					27.213	31.656	35.993	40.229	44.368	103.8	1.040		
709	705	10.600	10.512	35.494	3.75					27.267	31.722	36.070	40.317	44.466	99.3	1.092		
811	806	9.550	9.455	35.413	3.49					27.386	31.864	36.235	40.504	44.675	88.8	1.187		
912	906	8.590	8.489	35.347	3.59					27.491	31.991	36.384	40.673	44.863	79.4	1.272		
1017	1010	7.820	7.712	35.298	3.72					27.571	32.090	36.500	40.806	45.013	72.3	1.352		
1120	1112	7.380	7.264	35.294	3.91					27.633	32.163	36.583	40.899	45.115	67.3	1.424		
1222	1213	6.850	6.728	35.285	4.21					27.701	32.244	36.677	41.004	45.232	61.3	1.490		
1325	1314	6.470	6.340	35.282	4.44					27.751	32.304	36.745	41.082	45.318	57.1	1.550		
1428	1416	6.030	5.894	35.257	4.67					27.790	32.353	36.806	41.153	45.399	53.7	1.607		
1531	1518	5.680	5.537	35.239	4.87					27.821	32.393	36.855	41.210	45.464	51.1	1.662		

STATION 25

EASTWARD		24	LAT = 27 30.0 N			LONG = 29 23.2 W			3/11/78	24 HRS.	SONIC DEPTH= 4962m			STATION	24
PR	DF	T	θ	S	PHY	SIL	N02	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
char	m	deg C	deg C	o/oo	ml/l										
1	1	24.290	24.290	37.336	4.87				25.342	29.552	33.663	37.680	41.604	264.1	0.001
27	27	24.290	24.294	37.335	4.85				25.343	29.553	33.664	37.681	41.607	265.3	0.070
50	50	24.280	24.269	37.337	4.85				25.349	29.559	33.670	37.687	41.614	265.8	0.132
101	101	20.620	20.601	36.945	5.24				26.101	30.365	34.529	38.598	42.576	196.3	0.250
152	152	19.070	19.042	36.704	4.78				26.329	30.619	34.808	38.901	42.902	176.5	0.346
204	203	17.660	17.625	36.465	4.55				26.503	30.817	35.030	39.146	43.170	161.6	0.432
255	254	16.770	16.728	36.313	4.51				26.604	30.934	35.162	39.293	43.332	153.7	0.513
306	305	15.830	15.781	36.169	4.53				26.714	31.061	35.306	39.454	43.508	144.6	0.590
358	357	15.140	15.085	36.056	4.53				26.784	31.145	35.403	39.562	43.629	139.4	0.664
409	407	14.200	14.139	35.914	4.51				26.881	31.260	35.536	39.712	43.795	131.2	0.732
459	457	13.690	13.623	35.858	4.37				26.947	31.336	35.621	39.808	43.899	126.2	0.797
511	508	12.960	12.889	35.765	4.39				27.026	31.430	35.730	39.929	44.034	119.6	0.860
558	555	12.170	12.095	35.663	4.21				27.103	31.524	35.840	40.055	44.175	112.7	0.915
608	605	11.580	11.501	35.596	4.16				27.165	31.598	35.926	40.153	44.284	107.6	0.971
659	655	11.100	11.016	35.540	4.02				27.211	31.655	35.993	40.230	44.370	104.0	1.024
709	705	10.580	10.492	35.492	3.81				27.269	31.724	36.073	40.320	44.470	99.1	1.075
811	806	9.260	9.167	35.363	3.52				27.394	31.880	36.257	40.532	44.709	87.5	1.171
912	906	8.300	8.201	35.286	3.54				27.488	31.995	36.394	40.690	44.887	79.1	1.255
1014	1007	7.670	7.564	35.271	3.91				27.571	32.094	36.508	40.817	45.027	71.8	1.332
1116	1109	7.230	7.116	35.288	4.16				27.649	32.183	36.606	40.926	45.145	65.3	1.402
1218	1209	6.550	6.431	35.245	4.41				27.710	32.260	36.700	41.035	45.270	59.5	1.465
1321	1310	6.200	6.074	35.253	4.64				27.764	32.323	36.771	41.114	45.356	55.1	1.524
1423	1411	5.940	5.805	35.259	4.78				27.803	32.368	36.823	41.172	45.420	52.1	1.579
1527	1514	5.620	5.478	35.235	4.94				27.825	32.399	36.862	41.219	45.474	50.4	1.632

STATION 26

EASTWARD			27	LAT = 28 30.0 N			LONG = 29 31.5 W			3/11/78	24 MAR.	SONIC DEPTH= 5064m			STATION 27		
PR	DE	T	θ	S	OX	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	
dbar	m	deg C	deg C	o/oo	ml/l												
1	1	23.870	23.870	37.051	4.90					25.252	29.469	33.587	37.611	41.544	272.7	0.001	
29	29	23.830	23.824	37.052	4.90					25.266	29.484	33.603	37.627	41.561	272.7	0.078	
51	51	23.540	23.529	37.069	5.06					25.367	29.588	33.710	37.739	41.677	264.2	0.137	
102	102	19.470	19.451	36.701	5.22					26.221	30.504	34.687	38.774	42.770	184.8	0.252	
153	153	18.200	18.173	36.525	4.80					26.414	30.718	34.922	39.029	43.044	168.4	0.343	
204	203	17.480	17.445	36.402	4.78					26.499	30.817	35.032	39.152	43.179	161.9	0.426	
255	254	16.680	16.638	36.284	4.69					26.603	30.935	35.164	39.297	43.337	153.7	0.507	
306	305	15.970	15.921	36.168	4.67					26.681	31.026	35.269	39.414	43.466	147.8	0.584	
357	355	15.190	15.135	36.051	4.71					26.769	31.129	35.386	39.545	43.610	140.7	0.657	
407	405	14.420	14.359	35.941	4.71					26.855	31.230	35.501	39.674	43.752	133.8	0.726	
457	455	13.850	13.783	35.880	4.48					26.930	31.316	35.599	39.782	43.871	127.8	0.792	
508	505	13.190	13.108	35.793	4.44					27.003	31.403	35.698	39.894	43.995	121.9	0.855	
554	551	12.600	12.524	35.717	4.34					27.061	31.473	35.780	39.987	44.099	117.1	0.910	
604	601	12.060	11.979	35.648	4.30					27.114	31.538	35.855	40.073	44.195	112.9	0.968	
655	651	11.490	11.405	35.582	4.18					27.172	31.608	35.937	40.166	44.299	108.1	1.024	
704	700	10.850	10.761	35.514	4.02					27.237	31.687	36.030	40.272	44.417	102.3	1.076	
804	799	9.790	9.694	35.438	3.93					27.365	31.838	36.204	40.467	44.633	91.1	1.173	
904	898	8.810	8.708	35.391	3.95					27.490	31.986	36.373	40.657	44.843	79.7	1.258	
1004	997	8.000	7.893	35.364	4.09					27.596	32.110	36.515	40.817	45.020	70.1	1.333	
1106	1098	7.260	7.147	35.314	4.28					27.666	32.198	36.621	40.939	45.157	63.7	1.401	
1208	1199	6.760	6.640	35.302	4.53					27.727	32.271	36.706	41.036	45.265	58.4	1.464	
1312	1301	6.170	6.045	35.248	4.71					27.764	32.323	36.772	41.116	45.359	54.9	1.522	
1417	1405	5.820	5.687	35.230	4.85					27.795	32.364	36.821	41.173	45.424	52.4	1.579	
1522	1509	5.660	5.518	35.256	5.10					27.837	32.409	36.871	41.227	45.481	49.4	1.632	

EASTWARD			27	LAT = 28 30.0 N			LONG = 29 31.5 W			3/11/78	24 MAR.	SONIC DEPTH= 5064m			STATION 27		
PR	DE	T	θ	S	OX	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	
dbar	m	deg C	deg C	o/oo	ml/l												
1	1	23.870	23.870	37.051	4.90					25.252	29.469	33.587	37.611	41.544	272.7	0.001	
29	29	23.830	23.824	37.052	4.90					25.266	29.484	33.603	37.627	41.561	272.7	0.078	
51	51	23.540	23.529	37.069	5.06					25.367	29.588	33.710	37.739	41.677	264.2	0.137	
102	102	19.470	19.451	36.701	5.22					26.221	30.504	34.687	38.774	42.770	184.8	0.252	
153	153	18.200	18.173	36.525	4.80					26.414	30.718	34.922	39.029	43.044	168.4	0.343	
204	203	17.480	17.445	36.402	4.78					26.499	30.817	35.032	39.152	43.179	161.9	0.426	
255	254	16.680	16.638	36.284	4.69					26.603	30.935	35.164	39.297	43.337	153.7	0.507	
306	305	15.970	15.921	36.168	4.67					26.681	31.026	35.269	39.414	43.466	147.8	0.584	
357	355	15.190	15.135	36.051	4.71					26.769	31.129	35.386	39.545	43.610	140.7	0.657	
407	405	14.420	14.359	35.941	4.71					26.855	31.230	35.501	39.674	43.752	133.8	0.726	
457	455	13.850	13.783	35.880	4.48					26.930	31.316	35.599	39.782	43.871	127.8	0.792	
508	505	13.190	13.108	35.793	4.44					27.003	31.403	35.698	39.894	43.995	121.9	0.855	
554	551	12.600	12.524	35.717	4.34					27.061	31.473	35.780	39.987	44.099	117.1	0.910	
604	601	12.060	11.979	35.648	4.30					27.114	31.538	35.855	40.073	44.195	112.9	0.968	
655	651	11.490	11.405	35.582	4.18					27.172	31.608	35.937	40.166	44.299	108.1	1.024	
704	700	10.850	10.761	35.514	4.02					27.237	31.687	36.030	40.272	44.417	102.3	1.076	
804	799	9.790	9.694	35.438	3.93					27.365	31.838	36.204	40.467	44.633	91.1	1.173	
904	898	8.810	8.708	35.391	3.95					27.490	31.986	36.373	40.657	44.843	79.7	1.258	
1004	997	8.000	7.893	35.364	4.09					27.596	32.110	36.515	40.817	45.020	70.1	1.333	
1106	1098	7.260	7.147	35.314	4.28					27.666	32.198	36.621	40.939	45.157	63.7	1.401	
1208	1199	6.760	6.640	35.302	4.53					27.727	32.271	36.706	41.036	45.265	58.4	1.464	
1312	1301	6.170	6.045	35.248	4.71					27.764	32.323	36.772	41.116	45.359	54.9	1.522	
1417	1405	5.820	5.687	35.230	4.85					27.795	32.364	36.821	41.173	45.424	52.4	1.579	
1522	1509	5.660	5.518	35.256	5.10					27.837	32.409	36.871	41.227	45.481	49.4	1.632	

STATION 27

EASTWARD			29		LAT = 29 30.2 N				LONG = 29 39.3 W				4/11/74		24 HRS.		SONIC DEPTH= 4541m				STATION 29	
PR	DE	T	θ	δ	φ	S	UXY	PHOS	SIL	N02	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT				
dbar	m	deg C	deg C	deg C	deg C	o/oo	ml/l															
1	1	23.700	23.700	37.060	4.90							25.309	29.528	33.649	37.675	41.610	267.3	0.001				
28	28	23.720	23.714	37.059	4.90							25.304	29.523	33.643	37.669	41.605	269.0	0.074				
51	51	23.550	23.539	37.011	4.90							25.320	29.541	33.664	37.692	41.630	268.6	0.136				
101	101	19.600	19.581	36.676	5.17							26.158	30.449	34.630	38.715	42.709	189.8	0.251				
151	151	18.290	18.263	36.521	4.80							26.388	30.691	34.893	38.999	43.013	170.7	0.342				
202	201	17.720	17.685	36.436	4.76							26.466	30.780	34.991	39.107	43.130	165.1	0.426				
252	251	17.090	17.048	36.359	4.62							26.563	30.887	35.109	39.235	43.269	157.6	0.508				
301	300	16.210	16.161	36.218	4.57							26.664	31.004	35.243	39.383	43.431	149.4	0.583				
352	350	15.410	15.355	36.086	4.55							26.747	31.103	35.355	39.510	43.572	142.8	0.657				
402	400	14.680	14.619	35.982	4.53							26.830	31.200	35.466	39.634	43.708	136.2	0.727				
452	450	13.950	13.884	35.878	4.51							26.907	31.292	35.572	39.754	43.841	129.9	0.794				
504	501	13.240	13.169	35.779	4.48							26.980	31.378	35.673	39.867	43.967	124.0	0.859				
554	551	12.490	12.414	35.688	4.41							27.060	31.475	35.784	39.993	44.107	117.0	0.920				
615	611	12.010	11.928	35.633	4.41							27.112	31.537	35.856	40.074	44.197	113.3	0.990				
654	650	11.350	11.266	35.553	4.28							27.175	31.614	35.947	40.178	44.314	107.5	1.033				
704	700	10.950	10.861	35.466	4.18							27.182	31.630	35.971	40.211	44.355	107.7	1.087				
805	800	9.760	9.664	35.439	3.93							27.371	31.845	36.211	40.475	44.642	90.5	1.187				
905	899	8.910	8.808	35.413	3.93							27.492	31.985	36.370	40.651	44.835	79.8	1.273				
1006	999	8.200	8.091	35.401	4.14							27.595	32.104	36.505	40.802	45.000	70.7	1.349				
1107	1099	7.570	7.454	35.385	4.32							27.677	32.202	36.617	40.928	45.139	63.5	1.416				
1211	1201	7.240	7.116	35.392	4.55							27.731	32.264	36.687	41.005	45.224	59.4	1.480				
1313	1302	6.420	6.292	35.298	4.71							27.771	32.324	36.766	41.104	45.341	55.0	1.539				
1415	1403	5.950	5.816	35.254	4.80							27.798	32.363	36.817	41.166	45.414	52.5	1.593				
1519	1505	5.720	5.578	35.266	5.06							27.837	32.408	36.868	41.223	45.476	49.6	1.647				

STATION 29

EASTWARD			29	LAT = 30 29.7 N			LONG = 29 46.0 W			4/11/78	24 OBS.	SONIC DEPTH= 4594m			STATION 29		
DR	DE	T	deg C	deg C	S	oxy	PHOS	SIL	NO2	N+N	SIG-A	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m				o/oo	ml/l											
1	1	23.370	23.370	23.370	36.832	4.94					25.234	29.459	33.585	37.616	41.558	274.5	0.001
28	28	23.090	23.090	23.090	36.852	4.97					25.332	29.561	33.691	37.726	41.671	266.3	0.075
51	51	22.920	22.920	22.920	36.910	5.03					25.427	29.658	33.790	37.827	41.774	258.4	0.135
101	101	19.100	19.100	19.082	36.632	5.01					26.264	30.554	34.742	38.835	42.837	180.6	0.246
153	153	18.470	18.470	18.443	36.554	4.92					26.368	30.668	34.867	38.970	42.981	172.7	0.338
204	203	17.220	17.220	17.186	36.369	4.76					26.537	30.859	35.079	39.203	43.234	158.3	0.421
255	254	16.670	16.670	16.629	36.284	4.69					26.605	30.937	35.167	39.300	43.340	153.5	0.501
306	305	15.950	15.950	15.901	36.169	4.67					26.686	31.032	35.275	39.420	43.473	147.3	0.578
357	355	14.960	14.960	14.905	36.034	4.57					26.807	31.171	35.432	39.595	43.664	137.0	0.650
407	405	14.260	14.260	14.199	35.932	4.57					26.882	31.260	35.534	39.710	43.791	131.1	0.718
456	454	13.550	13.550	13.484	35.839	4.55					26.961	31.353	35.641	39.830	43.924	124.6	0.781
506	503	13.020	13.020	12.949	35.773	4.53					27.019	31.423	35.721	39.920	44.024	120.1	0.841
556	553	12.350	12.350	12.274	35.689	4.48					27.089	31.506	35.818	40.029	44.146	114.3	0.900
606	602	11.920	11.920	11.839	35.644	4.41					27.138	31.564	35.885	40.105	44.229	110.5	0.956
656	652	11.480	11.480	11.395	35.591	4.30					27.181	31.617	35.946	40.175	44.308	107.3	1.011
707	703	10.950	10.950	10.860	35.536	4.21					27.237	31.684	36.025	40.264	44.408	102.6	1.065
808	803	10.080	10.080	9.982	35.461	3.98					27.334	31.800	36.160	40.417	44.578	94.6	1.164
909	903	9.220	9.220	9.115	35.442	3.89					27.465	31.950	36.329	40.604	44.781	83.0	1.254
1011	1004	8.550	8.550	8.439	35.416	3.89					27.553	32.054	36.447	40.737	44.928	75.5	1.335
1114	1105	7.630	7.630	7.513	35.342	4.18					27.635	32.158	36.572	40.882	45.093	67.7	1.408
1216	1205	7.190	7.190	7.056	35.337	4.37					27.697	32.231	36.656	40.976	45.196	62.5	1.474
1318	1307	6.780	6.780	6.648	35.329	4.60					27.747	32.291	36.725	41.055	45.284	58.4	1.536
1421	1409	6.820	6.820	6.674	35.396	4.74					27.796	32.339	36.772	41.100	45.328	55.7	1.595
1524	1510	6.100	6.100	5.953	35.319	4.99					27.831	32.393	36.844	41.189	45.433	51.5	1.650

STATION 29

EASTWARD			30	LAT = 31 30.0 N			LONG = 29 53.5 W			5/11/78	24 HRS.	SONIC DEPTH= 4435m				STATION 30	
PR	DE	T	g	S	OXY	PHOS	SIL	N02	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	
dbar	m	deg C	deg C	o/oo	ml/l												
1	1	23.490	23.490	36.947	4.92					25.286	29.508	33.632	37.661	41.601	269.5	0.001	
29	29	23.120	23.114	36.934	4.97					25.386	29.614	33.743	37.777	41.721	261.3	0.076	
52	52	22.800	22.789	36.928	5.01					25.475	29.708	33.841	37.880	41.828	253.8	0.135	
102	102	19.140	19.121	36.620	5.06					26.245	30.534	34.722	38.814	42.815	182.5	0.245	
153	153	18.020	17.993	36.508	4.80					26.445	30.753	34.959	39.070	43.088	165.3	0.334	
205	204	17.090	17.056	36.347	4.69					26.551	30.876	35.098	39.224	43.257	156.9	0.417	
256	255	16.220	16.179	36.225	4.53					26.665	31.005	35.243	39.384	43.431	147.7	0.495	
306	305	15.320	15.272	36.075	4.62					26.757	31.114	35.369	39.525	43.588	140.3	0.568	
358	356	14.700	14.646	35.993	4.55					26.832	31.202	35.468	39.635	43.709	134.5	0.638	
408	406	14.020	13.960	35.892	4.64					26.902	31.285	35.564	39.744	43.830	129.0	0.705	
457	455	13.490	13.424	35.818	4.53					26.957	31.351	35.640	39.830	43.925	124.9	0.767	
508	505	12.900	12.829	35.740	4.53					27.018	31.424	35.725	39.926	44.032	120.1	0.829	
551	548	12.630	12.554	35.705	4.48					27.046	31.457	35.764	39.970	44.081	118.5	0.881	
602	598	12.190	12.109	35.657	4.44					27.096	31.517	35.832	40.047	44.167	114.7	0.940	
652	648	11.660	11.574	35.593	4.34					27.149	31.581	35.907	40.132	44.262	110.4	0.996	
702	698	11.080	10.990	35.534	4.23					27.211	31.656	35.994	40.231	44.372	105.1	1.051	
802	797	10.050	9.953	35.452	3.98					27.332	31.799	36.159	40.417	44.578	94.6	1.150	
903	897	9.070	8.967	35.418	3.69					27.470	31.959	36.341	40.619	44.800	82.1	1.240	
1005	998	8.340	8.230	35.363	3.61					27.543	32.050	36.448	40.742	44.938	75.8	1.320	
1107	1098	7.980	7.861	35.410	3.98					27.637	32.151	36.557	40.859	45.062	68.3	1.393	
1209	1199	7.620	7.492	35.428	4.28					27.705	32.229	36.643	40.952	45.163	62.8	1.460	
1312	1301	7.250	7.114	35.427	4.57					27.759	32.291	36.714	41.032	45.251	58.6	1.523	
1415	1403	6.750	6.608	35.381	4.71					27.793	32.338	36.773	41.103	45.333	55.6	1.582	
1520	1506	6.170	6.023	35.326	4.97					27.828	32.388	36.837	41.180	45.423	52.1	1.638	

STATION 30

STATION 3

ATLANTIS II-107 5										LAT = 27 44.0 N LONG = 34 47.6 W 18/10/79 24 DRS. SONIC DEPTH= 4581m STATION 5						
PR	DF	T	g	S	OXY	PHOS	SIL	NO2	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	g/oo	ml/l											
1	1	25.873	25.873	37.321	4.74					24.845	29.034	33.124	37.121	41.028	311.5	0.002
100	100	21.046	21.027	36.927	5.25					26.158	30.426	34.594	38.666	42.648	218.2	0.266
128	128	20.365	20.341	36.927	5.06					26.255	30.537	34.718	38.803	42.798	192.1	0.323
166	166	19.553	19.522	36.770	4.76					26.381	30.684	34.886	38.991	43.004	184.3	0.395
200	199	18.333	18.298	36.524	4.56					26.539	30.865	35.089	39.217	43.252	173.3	0.455
260	259	17.010	16.966	36.303	4.53					26.834	31.193	35.449	39.607	43.671	160.1	0.555
358	356	15.211	15.155	36.141	4.44					26.877	31.255	35.529	39.705	43.786	134.7	0.700
416	414	14.263	14.201	35.926	4.60					26.926	31.315	35.599	39.785	43.876	128.2	0.834
460	457	13.727	13.660	35.841	4.54					27.015	31.418	35.717	39.916	44.020	120.5	0.889
504	501	13.002	12.931	35.762	4.67					27.081	31.498	35.811	40.023	44.140	114.8	0.943
550	547	12.326	12.251	35.673	4.41					27.205	31.649	35.986	40.223	44.363	109.3	0.999
600	596	11.715	11.637	35.531	4.39					27.268	31.724	36.074	40.322	44.473	98.8	1.048
646	642	11.097	11.015	35.481	4.31					27.407	31.895	36.276	40.553	44.733	85.8	1.189
696	692	10.533	10.447	35.481	4.43					27.501	32.014	36.417	40.717	44.918	77.0	1.269
794	789	9.116	9.026	35.349	3.89					27.611	32.130	36.541	40.847	45.054	68.0	1.340
892	886	8.099	8.004	35.265	4.17					27.663	32.198	36.622	40.943	45.163	63.1	1.392
990	983	7.793	7.689	35.245	4.44					27.718	32.260	36.692	41.018	45.245	58.8	1.449
1070	1062	7.168	7.060	35.295	4.52					27.742	32.306	36.759	41.107	45.354	55.6	1.505
1162	1153	6.872	6.756	35.311	4.79					27.786	32.360	36.823	41.180	45.435	51.7	1.557
1260	1250	6.004	5.886	35.195	4.94					27.831	32.413	36.884	41.248	45.511	47.8	1.606
1358	1347	5.616	5.492	35.188	5.14					27.879	32.496	37.001	41.398	45.692	43.7	1.835
1456	1443	5.296	5.165	35.194	5.39										38.6	2.086
1956	1937	4.025	3.861	35.072	5.58											
2568	2539	3.096	2.888													

STATION 5

ATLANTIS II-107 6										LAT = 28 21.8 N LONG = 35 56.5 W 18/10/79 24 HRS. SONIC DEPTH= 4686m STATION 6						
PR	nf	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
1	1	25.327	25.327	37.210	4.78					24.931	29.127	33.226	37.230	41.144	303.3	0.002
76	76	20.654	20.639	36.709	5.53					25.911	30.176	34.341	38.411	42.389	213.3	0.198
86	86	20.148	20.132	36.634	5.23					25.990	30.263	34.436	38.514	42.500	206.2	0.219
104	104	18.954	18.935	36.572	5.00					26.256	30.548	34.740	38.835	42.839	181.5	0.253
160	160	17.788	17.760	36.473	4.74					26.476	30.788	34.998	39.112	43.134	162.6	0.350
264	263	16.650	16.606	36.283	4.70					26.609	30.942	35.172	39.305	43.346	153.4	0.514
346	344	15.736	15.681	36.171	4.74					26.738	31.088	35.334	39.483	43.539	143.7	0.636
400	398	14.738	14.677	35.975	4.58					26.812	31.181	35.446	39.613	43.686	137.9	0.712
446	444	13.916	13.851	35.873	4.63					26.911	31.296	35.577	39.759	43.846	129.3	0.773
502	499	13.110	13.039	35.780	4.57					27.007	31.408	35.705	39.902	44.004	121.3	0.843
548	545	12.692	12.616	35.739	4.41					27.060	31.470	35.775	39.980	44.090	117.1	0.898
602	598	12.078	11.998							27.160	31.594	35.923	40.150	44.282	113.1	0.960
654	650	11.555	11.469	35.582	4.32					27.257	31.705	36.047	40.287	44.430	109.3	1.018
694	690	10.919	10.831	35.556	4.25					27.310	31.771	36.125	40.378	44.534	95.5	1.101
736	731	10.309	10.219	35.483	4.04					27.391	31.875	36.251	40.524	44.699	88.3	1.186
828	822	9.338	9.242	35.375	3.91										79.9	1.256
912	906	8.321	8.222							27.581	32.109	36.527	40.841	45.056	70.3	1.328
1008	1001	7.458	7.354	35.244	4.18					27.681	32.215	36.639	40.959	45.179	62.0	1.391
1102	1094	6.188	6.076	35.321	4.26					27.716	32.258	36.690	41.018	45.245	59.5	1.449
1198	1188	6.857	6.737	35.305	4.41					27.741	32.291	36.731	41.066	45.300	57.9	1.508
1298	1287	6.546	6.419	35.282	4.65					27.812	32.375	36.827	41.174	45.419	51.2	1.561
1396	1384	6.031	5.898	35.285	4.91					27.876	32.484	36.980	41.369	45.656	44.7	1.794
1880	1862	4.336	4.175	35.109	5.45										36.4	2.045
2501	2472	3.270	3.065													

STATION 6

ATLANTIS II-107										SONIC DEPTH= 3361m										STATION		A
LAT = 29 32.9 N LONG = 34 15.5 W										18/10/79										24 NRS.		
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT						B
dbar	m	deg C	deg C	o/oo	ml/l																	
1	1	25.120	25.120	37.076	4.81					24.893	29.093	33.195	37.203	41.120	306.9	0.002						
78	78	20.375	20.360	36.747	5.46					26.015	30.284	34.453	38.526	42.509	203.5	0.200						
94	94	19.569	19.552	36.707	5.60					26.199	30.481	34.662	38.748	42.742	186.6	0.232						
128	128	18.542	18.519	36.609	4.95					26.391	30.689	34.887	38.988	42.998	169.6	0.292						
186	186	17.668	17.636	36.481	4.85					26.513	30.827	35.039	39.155	43.178	160.1	0.388						
296	296	16.548	16.499	36.296	4.80					26.645	30.979	35.211	39.346	43.388	151.2	0.559						
350	348	15.751	15.695	36.172						26.736	31.085	35.331	39.480	43.536	144.0	0.638						
398	396	15.041	14.980	36.047	4.73					26.801	31.163	35.423	39.585	43.652	139.1	0.706						
448	446	14.336	14.269	35.941	4.66					26.874	31.251	35.524	39.698	43.778	133.2	0.774						
500	497	13.656	13.584	35.851	4.64					26.950	31.340	35.626	39.813	43.905	127.1	0.842						
546	543	13.014	12.937	35.740	4.63					26.996	31.400	35.699	39.898	44.002	123.4	0.900						
596	592	12.363	12.282	35.669	5.18					27.072	31.489	35.801	40.012	44.129	117.0	0.960						
646	642	11.879	11.793	35.603	4.46					27.115	31.542	35.864	40.086	44.211	113.7	1.017						
696	692	11.241	11.151	35.532	4.34					27.180	31.621	35.956	40.190	44.328	108.0	1.073						
792	787	10.028	9.933	35.437	4.11					27.324	31.791	36.152	40.411	44.572	95.1	1.170						
896	890	8.872	8.771	35.399	4.24					27.487	31.981	36.366	40.649	44.834	80.0	1.261						
994	987	8.282	8.174	35.414	4.38					27.592	32.100	36.498	40.794	44.990	70.9	1.335						
1094	1086	7.600	7.485	35.378	4.59					27.667	32.191	36.605	40.916	45.127	64.2	1.403						
1194	1185	7.057	6.936	35.363	4.76					27.734	32.271	36.698	41.021	45.243	58.4	1.464						
1294	1283	6.586	6.458	35.336	4.92					27.778	32.327	36.766	41.099	45.332	54.5	1.521						
1394	1382	6.021	5.889	35.280	5.08					27.809	32.372	36.825	41.172	45.418	51.4	1.574						
1494	1481	5.581	5.443	35.273	5.22					27.859	32.434	36.897	41.255	45.511	46.7	1.623						
1991	1970	4.093	3.925	35.080	5.57					27.879	32.494	36.997	41.393	45.685	44.4	1.849						
2497	2468	3.250	3.046		5.07										42.0	2.067						

ATLANTIS II-107										LAT = 30 10.2 N										LONG = 33 26.3 W										19/10/79										24 HRS.										SONIC DEPTH= 5016m										STATION										9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

ATLANTIS II-107 10										19/10/79 24 DRS.										STATION 1	
LAT = 30 45.6 N LONG = 32 35.8 W																					
PR	DF	T	θ	Σ	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT					
dbar	m	deg C	deg C	o/oo	ml/l																
3	3	24.095	24.094	36.827	4.97					25.016	29.231	33.347	37.369	41.301	295.3	0.004					
72	72	19.559	19.546	35.696	5.47					26.193	30.474	34.655	38.741	42.736	186.3	0.173					
78	78	19.204	19.190	36.664	5.36					26.264	30.551	34.738	38.829	42.829	179.7	0.184					
90	90	18.425	18.409	36.572	5.22					26.390	30.691	34.890	38.993	43.005	168.1	0.205					
138	138	17.443	17.419	36.502	4.53					26.582	30.899	35.115	39.234	43.261	151.6	0.281					
226	225	16.389	16.352	36.282						26.668	31.005	35.240	39.377	43.422	146.4	0.412					
346	344	14.759	14.706	36.020	4.75					26.840	31.208	35.473	39.639	43.712	133.4	0.580					
398	396	14.210	14.151	35.927	4.68					26.888	31.267	35.543	39.719	43.801	130.2	0.649					
446	444	13.596	13.532	35.835	4.60					26.948	31.339	35.626	39.814	43.908	125.5	0.710					
498	495	12.923	12.853	35.747	4.64					27.017	31.424	35.724	39.925	44.031	119.8	0.774					
548	545	12.300	12.226	35.662	4.52					27.077	31.495	35.808	40.021	44.139	115.1	0.833					
596	592	11.852	11.773	35.627	4.66					27.137	31.565	35.887	40.109	44.234	110.2	0.887					
646	642	11.499	11.415	35.585	4.44					27.173	31.608	35.937	40.166	44.298	107.8	0.941					
696	692	10.971	10.883	35.536	4.35					27.233	31.679	36.020	40.259	44.402	102.8	0.994					
796	791	10.074	9.979	35.463	4.09					27.336	31.803	36.162	40.420	44.580	94.1	1.092					
896	890	9.355	9.251	35.467	4.09					27.462	31.945	36.319	40.592	44.766	83.3	1.181					
994	987	8.559	8.448	35.455	4.24					27.582	32.082	36.475	40.764	44.955	72.5	1.257					
1093	1084	8.164	8.045	35.468	4.31					27.654	32.164	36.565	40.863	45.062	66.8	1.326					
1193	1183	7.729	7.602	35.470	4.51					27.722	32.243	36.654	40.961	45.169	61.3	1.390					
1295	1283	7.209	7.075	35.442	4.71					27.776	32.309	36.733	41.052	45.271	56.6	1.450					
1393	1380	6.612	6.474	35.375	4.93					27.807	32.355	36.793	41.126	45.358	53.6	1.504					
1493	1479	6.079	5.936	35.301	5.16					27.819	32.381	36.833	41.178	45.423	52.1	1.557					
1989	1968	4.158	3.989	35.083	5.70					27.875	32.488	36.990	41.383	45.674	45.1	1.798					
2447	2419	3.349	3.148												38.6	1.990					
																				STATION 10	

ATLANTIS II-107 11										LAT = 31 22.8 N		LONG = 31 42.6 W		19/10/79		24 OBS.		SONIC DEPTH= 4533m				STATION	
P2	DF	T	H	S	NOY	PHOS	SIL	NO2	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT							
char	m	deg C	deg C	o/oo	ml/l																		
1	1	23.751	23.751	36.819	5.03					25.112	29.331	33.452	37.479	41.415	786.1	0.001							
72	72	19.599	19.586	36.563						26.081	30.362	34.544	38.630	42.624	196.9	0.175							
76	76	19.130	19.116	36.542						26.187	30.476	34.665	38.758	42.759	187.0	0.183							
86	86	18.517	18.502	36.529	5.20					26.333	30.632	34.831	38.933	42.943	173.4	0.201							
126	126	17.791	17.769	36.474	4.85					26.475	30.786	34.997	39.110	43.132	161.4	0.268							
246	245	16.636	16.595	36.323						26.643	30.975	35.205	39.339	43.379	149.6	0.454							
340	338	15.259	15.206	36.120	5.22					26.806	31.165	35.420	39.577	43.641	136.7	0.589							
396	394	14.685	14.525	36.034	4.85					26.869	31.238	35.504	39.672	43.745	132.3	0.664							
446	444	14.086	14.020	35.930	4.85					26.919	31.300	35.578	39.756	43.841	128.7	0.730							
498	495	13.836	13.265	35.811	4.73					26.985	31.381	35.673	39.866	43.964	123.4	0.795							
540	537	12.336	12.761	35.729	4.71					27.023	31.430	35.733	39.935	44.043	120.5	0.846							
600	596	12.067	11.987	35.604						27.079	31.502	35.820	40.038	44.160	116.1	0.917							
646	642	11.574	11.490	35.537	4.48					27.121	31.555	35.884	40.111	44.243	112.7	0.970							
698	694	10.982	10.893	35.510	4.53					27.210	31.657	35.998	40.237	44.379	104.9	1.027							
794	789	10.018	9.922	35.420	4.34					27.312	31.780	36.141	40.400	44.562	96.2	1.123							
896	890	9.346	9.242	35.467	4.13					27.463	31.946	36.321	40.594	44.768	83.1	1.215							
996	989	8.662	8.551	35.439	4.23					27.553	32.052	36.442	40.729	44.918	75.5	1.294							
1095	1086	8.056	7.938	35.428	4.62					27.639	32.152	36.556	40.856	45.057	68.0	1.364							
1193	1183	7.665	7.539	35.433	4.67					27.702	32.225	36.637	40.946	45.156	62.9	1.428							
1299	1287	7.145	7.012	35.382	4.97					27.738	32.273	36.699	41.019	45.240	60.0	1.494							
1395	1382	6.397	6.261	35.315	5.15					27.788	32.342	36.785	41.123	45.361	54.6	1.549							
1495	1481	5.888	5.747	35.254	5.39					27.806	32.373	36.830	41.180	45.430	52.7	1.602							
1993	1972	4.064	3.896	35.060	5.86					27.866	32.482	36.986	41.382	45.676	45.4	1.847							
2501	2472	3.252	3.048												38.1	2.059							
										STATION		11											

ATLANTIS II-107 12										LAT = 31 54.3 N LONG = 30 53.8 W										20/10/79										24 OBS.										SONIC DEPTH= 4032m										STATION 1									
PR	RF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																																											
dbar	m	deg C	deg C	o/oo	ml/l																																																						
1	1	23.710	23.710	36.885	4.95					25.174	29.394	33.515	37.542	41.478	280.2	0.001																																											
48	48	20.948	20.939	36.623	5.39					25.764	30.025	34.186	38.252	42.227	226.1	0.123																																											
56	56	20.172	20.161	36.597	5.26					25.954	30.227	34.400	38.477	42.463	208.3	0.140																																											
82	82	18.733	18.718	36.535	4.93					26.283	30.579	34.774	38.873	42.880	178.0	0.190																																											
126	126	17.746	17.724	36.473	4.81					26.485	30.798	35.008	39.123	43.145	160.4	0.265																																											
250	249	16.685	16.644	36.345	4.88					26.648	30.980	35.209	39.341	43.381	149.3	0.457																																											
346	344	15.368	15.314	36.130	4.80					26.790	31.146	35.399	39.555	43.617	138.6	0.595																																											
396	394	14.741	14.681	36.034	4.83					26.956	31.225	35.490	39.656	43.729	133.5	0.663																																											
446	444	14.085	14.019	35.939	4.81					26.926	31.307	35.585	39.763	43.848	128.1	0.728																																											
496	493	13.266	13.195	35.786	4.80					26.979	31.378	35.671	39.866	43.965	123.8	0.791																																											
546	543	12.630	12.555	35.683	4.83					27.029	31.440	35.747	39.953	44.065	120.0	0.852																																											
594	590	12.200	12.120	35.624	4.83					27.068	31.489	35.804	40.019	44.139	117.1	0.909																																											
648	644	11.789	11.703	35.576	4.63					27.111	31.541	35.864	40.088	44.215	114.0	0.972																																											
694	690	11.277	11.187	35.546	4.48					27.184	31.625	35.959	40.192	44.329	107.7	1.023																																											
796	791	10.206	10.109	35.465	4.20					27.315	31.779	36.135	40.390	44.548	96.3	1.127																																											
896	890	9.176	9.073	35.429	4.19					27.461	31.948	36.327	40.604	44.782	83.0	1.216																																											
994	987	8.646	8.535	35.440	4.19					27.556	32.055	36.446	40.733	44.922	75.1	1.294																																											
1093	1084	7.984	7.866	35.433	4.48					27.654	32.168	36.574	40.875	45.078	66.4	1.363																																											
1195	1185	7.439	7.314	35.423	4.71					27.727	32.255	36.673	40.987	45.201	60.1	1.428																																											
1293	1281	7.002	6.871	35.385	4.92					27.760	32.299	36.727	41.051	45.275	57.4	1.485																																											
1393	1380	6.384	6.248	35.329	5.13					27.801	32.355	36.798	41.137	45.375	53.4	1.541																																											
1491	1477	5.820	5.680	35.271	5.27					27.828	32.397	36.855	41.206	45.457	50.3	1.592																																											
1995	1974	4.048	3.880	35.055	5.90					27.864	32.481	36.985	41.381	45.675	45.6	1.833																																											
2491	2462	3.254	3.050	35.011	6.00					27.911	32.550	37.076	41.494	45.808	41.3	2.049																																											

STATION 12

ATLANTIS II-107 13										LAT = 32 29.0 N LONG = 29 58.1 W 20/10/79 24 HRS. SONIC DEPTH= 3361m STATION 13						
PR	DF	T	θ	Σ	OX	PHOS	SIL	ND2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
3	3	23.737	23.736	36.884	5.16					25.165	29.385	33.506	37.532	41.468	281.1	0.004
60	60	21.158	21.146	36.557	4.56					25.657	29.915	34.074	38.137	42.110	236.8	0.154
74	74	19.679	19.665	36.533	5.13					26.037	30.318	34.498	38.583	42.577	201.2	0.185
92	92	18.609	18.593	36.509	5.08					26.296	30.593	34.791	38.891	42.901	177.2	0.219
120	120	17.558	17.537	36.435	4.76					26.502	30.818	35.032	39.149	43.175	158.5	0.266
198	197	16.571	16.538	36.343	4.85					26.672	31.005	35.236	39.370	43.411	145.1	0.384
348	346	14.492	14.440	35.954	4.84					26.847	31.221	35.490	39.662	43.739	132.6	0.593
396	394	13.887	13.829	35.851	4.91					26.898	31.284	35.565	39.748	43.836	128.9	0.655
446	444	13.449	13.385	35.758	4.68					26.919	31.314	35.604	39.795	43.891	128.2	0.720
496	493	12.753	12.684	35.685	4.65					27.005	31.414	35.718	39.922	44.031	120.9	0.782
546	543	11.962	11.889	35.571	4.41					27.072	31.497	35.818	40.037	44.161	115.2	0.841
594	590	11.434	11.357	35.537	4.58					27.146	31.583	35.914	40.144	44.278	108.9	0.895
644	640	10.876	10.795	35.495	4.57					27.217	31.665	36.008	40.249	44.394	102.8	0.948
694	690	10.207	10.123	35.443	4.36					27.295	31.759	36.116	40.370	44.528	95.7	0.997
795	789	9.506	9.413	35.431	4.17					27.407	31.886	36.258	40.527	44.699	86.4	1.089
893	886	8.906	8.806		4.24										79.4	1.170
993	985	8.412	8.303	35.426	4.40					27.582	32.086	36.482	40.774	44.968	72.2	1.246
1091	1082	7.914	7.797	35.421	4.54					27.655	32.171	36.578	40.881	45.085	66.1	1.313
1191	1181	7.425	7.301	35.418	4.71					27.725	32.253	36.672	40.986	45.200	60.1	1.377
1283	1272	7.036	6.905	35.392	4.90					27.761	32.298	36.726	41.049	45.273	57.3	1.431
1385	1372	6.472	6.336	35.347	5.08					27.803	32.355	36.796	41.133	45.368	53.3	1.487
1487	1473	5.783	5.643	35.277	5.34					27.838	32.407	36.866	41.218	45.470	49.3	1.539
1971	1950	4.213	4.045	35.073	5.73					27.861	32.473	36.973	41.365	45.655	46.4	1.771
2528	2498	3.299	3.090	35.005	5.89					27.902	32.541	37.066	41.483	45.796	42.6	2.019

STATION 13

ATLANTIS II-107 16										LAT = 29 31.8 N LONG = 29 32.7 W 21/10/79 24 HRS. SONIC DEPTH= 4500m STATION 16									
PR	DF	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	m	deg C	deg C	o/oo	ml/l														
12	12	24.623	24.620	37.419	4.84					25.305	29.510	33.616	37.628	41.550	268.3	0.017			
82	82	21.584	21.568	36.995	5.20					25.873	30.122	34.272	38.328	42.292	217.3	0.187			
100	100	20.268	20.249	36.906	4.92					26.166	30.436	34.605	38.679	42.663	190.1	0.224			
124	124	19.495	19.472	36.739	4.73					26.245	30.527	34.709	38.796	42.791	183.5	0.269			
180	179	17.939	17.908	36.516	4.66					26.473	30.782	34.990	39.101	43.120	163.7	0.366			
262	261	16.737	16.694	36.278	4.70					26.585	30.916	35.145	39.277	43.316	155.7	0.497			
354	352	15.233	15.178	36.067	4.61					26.772	31.131	35.387	39.545	43.610	140.4	0.633			
404	402	14.501	14.440	35.934	4.68					26.832	31.205	35.475	39.647	43.724	135.9	0.702			
454	452	13.864	13.798	35.847	4.61					26.902	31.288	35.570	39.753	43.842	130.4	0.769			
506	503	13.085	13.014	35.768	4.57					27.003	31.404	35.702	39.899	44.002	121.7	0.834			
556	553	12.559	12.483	35.679	4.53					27.040	31.453	35.761	39.969	44.082	119.1	0.894			
606	602	12.092	12.011	35.629	4.47					27.093	31.516	35.834	40.051	44.172	114.9	0.953			
656	652	11.409	11.324	35.562	4.26					27.172	31.609	35.940	40.171	44.305	108.1	1.009			
708	703	10.917	10.827	35.516	4.34					27.227	31.675	36.017	40.257	44.401	103.5	1.064			
808	803	9.933	9.836	35.457	4.20					27.356	31.826	36.188	40.449	44.612	92.3	1.161			
910	904	8.930	8.827	35.416	4.20					27.491	31.984	36.368	40.649	44.833	80.0	1.249			
1010	1003	8.507	8.395	35.458	4.35					27.592	32.094	36.488	40.778	44.970	71.7	1.325			
1110	1101	7.999	7.879	35.473	4.69					27.683	32.197	36.602	40.903	45.105	64.1	1.393			
1212	1202	7.304	7.179	35.439	4.75					27.759	32.290	36.711	41.028	45.245	57.0	1.455			
1314	1303	6.689	6.558	35.373	4.91					27.794	32.340	36.776	41.107	45.338	53.7	1.511			
1416	1404	6.148	6.012	35.318	5.16					27.823	32.383	36.832	41.176	45.419	50.9	1.565			
1516	1503	5.731	5.589	35.272	5.35					27.840	32.411	36.871	41.225	45.478	49.3	1.615			
2023	2002	4.086	3.915	35.080	5.83					27.880	32.496	36.999	41.395	45.687	44.6	1.852			
2529	2499	3.196	2.989	34.978	5.99					27.890	32.531	37.059	41.479	45.795	43.1	2.074			

STATION 16

ATLANTIS II-107 17										LAT = 28 32.7 N LONG = 29 21.1 W 21/10/79 24 PRS. SONIC DEPTH= 4780m STATION 17									
PR	DE	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	°	deg C	deg C	o/oo	ml/l														
10	10	24.376	24.374	37.235	4.95					25.241	29.449	33.560	37.576	41.502	274.3	0.015			
80	80	21.664	21.648	36.842	5.35					25.734	29.983	34.133	38.188	42.152	230.4	0.191			
90	90	20.845	20.828	36.820	5.31					25.944	30.205	34.367	38.434	42.409	210.8	0.214			
118	118	19.596	19.574	36.767	4.92					26.239	30.520	34.700	38.785	42.779	183.8	0.269			
182	181	18.277	18.245	36.566	4.88					26.427	30.730	34.932	39.038	43.052	168.2	0.381			
262	261	16.668	16.625	36.297	4.60					26.616	30.948	35.178	39.311	43.351	152.8	0.510			
344	342	15.340	15.286	36.098	4.69					26.771	31.128	35.382	39.538	43.601	140.2	0.630			
394	392	14.598	14.538	35.975	4.42					26.842	31.213	35.481	39.651	43.726	134.7	0.698			
446	444	13.776	13.711	35.885	4.36					26.949	31.337	35.620	39.805	43.895	125.6	0.766			
494	491	13.441	13.370	35.802	4.52					26.956	31.351	35.641	39.832	43.928	126.1	0.827			
544	541	12.693	12.618	35.733	4.26					27.055	31.465	35.770	39.975	44.085	117.5	0.887			
592	588	12.248	12.169	35.649	4.22					27.078	31.498	35.812	40.026	44.145	116.1	0.943			
644	640	11.767	11.682	35.583	4.19					27.121	31.550	35.875	40.098	44.226	113.0	1.003			
694	690	11.146	11.057	35.529	4.04					27.195	31.638	35.975	40.211	44.351	106.5	1.058			
794	789	10.092	9.996	35.404	3.83					27.287	31.754	36.113	40.371	44.531	98.7	1.160			
896	890	8.925	8.824	35.361	3.89					27.449	31.942	36.326	40.608	44.792	83.7	1.253			
996	989	8.268	8.160	35.359	4.10					27.551	32.059	36.459	40.755	44.952	74.7	1.333			
1098	1090	7.471	7.357	35.329	4.29					27.647	32.174	36.592	40.906	45.120	65.8	1.404			
1198	1188	6.933	6.813	35.304	4.45					27.705	32.245	36.676	41.001	45.227	60.8	1.468			
1300	1289	6.636	6.507	35.322	4.67					27.761	32.308	36.746	41.078	45.311	56.4	1.527			
1400	1388	6.179	6.044	35.313	4.92					27.815	32.374	36.823	41.166	45.408	51.5	1.581			
1502	1489	5.746	5.605	35.265	5.08					27.833	32.403	36.863	41.217	45.469	49.8	1.633			
2009	1988	4.194	4.022	35.097	5.67					27.982	32.495	36.995	41.388	45.678	44.8	1.872			
2513	2484	3.251	3.045	34.987	5.80					27.992	32.532	37.058	41.476	45.791	43.1	2.094			

STATION 17

ATLANTIS II-107 18										LAT = 27 33.4 N LONG = 29 15.7 W 21/10/79 24 OBS. SONIC DEPTH= 5175m STATION 18						
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
10	10	24.710	24.708	37.397	4.77					25.262	29.465	33.571	37.582	41.503	272.3	0.015
80	80	21.054	21.038	36.874	5.40					25.928	30.185	34.344	38.407	42.379	212.0	0.184
98	98	19.941	19.923	36.816	5.28					26.185	30.460	34.635	38.714	42.702	188.2	0.220
126	126	19.060	19.037	36.747	5.13					26.364	30.653	34.842	38.935	42.936	172.2	0.271
182	181	18.054	18.022	36.600	4.93					26.509	30.815	35.021	39.130	43.147	160.4	0.364
254	253	16.545	16.503	36.315	4.61					26.658	30.992	35.224	39.359	43.401	148.4	0.475
346	344	14.939	14.886	36.031	4.59					26.809	31.174	35.435	39.598	43.668	136.5	0.606
394	392	14.290	14.231	35.907	4.49					26.856	31.233	35.507	39.683	43.764	133.2	0.670
442	440	13.446	13.383	35.813	4.53					26.962	31.356	35.646	39.837	43.933	124.0	0.732
494	491	12.893	12.824	35.744	4.68					27.022	31.428	35.729	39.930	44.037	119.3	0.796
550	547	12.237	12.163	35.685	4.51					27.107	31.527	35.841	40.055	44.173	112.2	0.860
600	596	11.861	11.781	35.632	4.45					27.140	31.567	35.889	40.110	44.236	110.1	0.916
644	640	11.331	11.248	35.558	4.41					27.183	31.622	35.955	40.187	44.322	106.6	0.954
694	690	10.888	10.800	35.535	4.19					27.247	31.695	36.037	40.278	44.422	101.3	1.016
794	789	9.759	9.665	35.435	3.89					27.368	31.841	36.208	40.472	44.638	90.5	1.111
892	886	8.807	8.707	35.376	3.78					27.479	31.974	36.362	40.646	44.832	80.5	1.195
992	985	8.187	8.080	35.382	3.94					27.581	32.091	36.492	40.790	44.989	71.7	1.271
1090	1082	7.693	7.578	35.360	4.29					27.639	32.161	36.574	40.882	45.091	67.0	1.339
1186	1177	7.380	7.257	35.370	4.62					27.694	32.223	36.643	40.958	45.174	62.8	1.402
1288	1277	6.809	6.680	35.373	4.75					27.777	32.320	36.754	41.082	45.310	55.2	1.462
1388	1376	6.568	6.430	35.363	5.11					27.803	32.353	36.792	41.126	45.359	53.7	1.516
1474	1461	5.979	5.740	35.264	5.00					27.815	32.382	36.839	41.189	45.439	51.5	1.562
1980	1960	4.166	3.998	35.092	5.64					27.881	32.494	36.995	41.389	45.679	44.5	1.804
2503	2474	3.227	3.022	34.985						27.893	32.533	37.060	41.479	45.794	42.8	2.032

STATION 18

ATLANTIS II-107 19										LAT = 26 35.0 N LONG = 29 6.3 W 22/10/79 24 OBS. SONIC DEPTH= 5436m STATION 19						
PR	nf	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
5	5	24.576	24.575	37.331	4.87					25.252	29.458	33.565	37.579	41.501	272.9	0.007
88	88	21.312	21.295	36.976	5.27					25.934	30.188	34.342	38.401	42.369	211.7	0.210
104	104	20.225	20.205	36.917	5.22					26.186	30.456	34.626	38.701	42.685	188.3	0.242
136	136	19.366	19.341	36.789	4.85					26.317	30.601	34.785	38.873	42.870	177.1	0.300
164	164	18.302	18.273	36.575	4.59					26.427	30.729	34.931	39.036	43.050	167.6	0.349
224	223	17.051	17.013	36.308	4.45					26.532	30.857	35.080	39.207	43.241	159.5	0.447
318	317	15.311	15.261	36.039	4.45					26.732	31.089	35.344	39.501	43.564	143.1	0.589
364	362	14.643	14.588	35.938	4.54					26.803	31.173	35.441	39.610	43.685	137.5	0.653
410	408	13.957	13.897	35.856	4.42					26.888	31.272	35.552	39.734	43.821	130.4	0.715
456	454	13.202	13.137	35.759	4.46					26.970	31.370	35.665	39.860	43.961	123.4	0.773
502	499	12.572	12.503	35.688	4.51					27.043	31.455	35.763	39.970	44.083	117.3	0.829
548	545	12.068	11.995	35.651	4.34					27.114	31.537	35.854	40.071	44.193	111.4	0.881
596	592	11.519	11.441	35.588	4.16					27.170	31.605	35.933	40.162	44.294	106.8	0.933
646	642	10.897	10.816	35.538	4.03					27.246	31.694	36.036	40.277	44.421	100.1	0.985
742	737	9.711	9.623	35.452	3.91					27.388	31.862	36.230	40.494	44.662	87.4	1.075
840	834	8.596	8.503	35.358	3.62					27.497	31.997	36.389	40.678	44.868	77.3	1.156
934	927	8.085	7.985	35.326	3.76					27.552	32.064	36.468	40.768	44.969	73.0	1.227
1028	1020	7.483	7.377	35.330	4.08					27.645	32.172	36.589	40.902	45.116	64.8	1.291
1122	1113	7.233	7.118	35.374	4.42					27.717	32.249	36.672	40.991	45.210	59.2	1.350
1220	1210	6.957	6.834	35.364	4.54					27.749	32.288	36.718	41.043	45.268	57.1	1.407
1316	1305	6.285	6.158	35.312	4.71					27.799	32.356	36.801	41.142	45.382	52.0	1.459
1416	1404	5.828	5.695	35.249	4.89					27.809	32.377	36.835	41.186	45.437	51.1	1.511
1908	1889	4.212	4.050	35.092	5.46					27.875	32.487	36.987	41.379	45.669	44.4	1.746
2432	2405	3.236	3.038	34.989	5.73					27.894	32.534	37.061	41.479	45.794	42.2	1.973

STATION 19

ATLANTIS II-197 20										LAT = 25 35.0 N LONG = 29 52.5 W 22/10/79 24 OBS. SONIC DEPTH= 5640m STATION 20									
PR	DF	T	q	S	OXY	PHOS	SIL	NO2	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	m	deg C	deg C	o/oo	ml/l														
16	16	24.793	24.789		4.94					25.941	30.195	34.348	38.407	42.375	210.7	0.014			
80	80	21.324	21.308	36.990	5.23					26.108	30.373	34.538	38.607	42.586	210.7	0.153			
94	94	20.573	20.555	36.938	5.12					26.234	30.516	34.698	38.784	42.779	195.4	0.181			
126	126	19.529	19.506	36.737	4.91					26.496	30.805	35.014	39.126	43.146	184.6	0.242			
186	185	17.882	17.850	36.527	4.70					26.650	30.986	35.220	39.357	43.401	161.8	0.345			
272	271	16.440	16.396	36.271	4.51					26.814	31.179	35.441	39.605	43.675	149.8	0.479			
348	346	14.913	14.860	36.030	4.47					26.898	31.280	35.557	39.736	43.820	136.0	0.588			
398	395	14.095	14.036	35.908	4.41					27.064	31.391	35.683	39.875	43.973	129.1	0.654			
450	448	13.348	13.284	35.829	4.34					27.122	31.475	35.781	39.987	44.098	121.1	0.719			
498	495	12.643	12.574	35.734	4.29					27.186	31.545	35.862	40.080	44.201	115.2	0.776			
550	547	12.062	11.988	35.660	4.20					27.254	31.621	35.950	40.178	44.311	110.7	0.835			
600	596	11.497	11.419	35.603	4.05					27.307	31.703	36.046	40.287	44.432	105.4	0.889			
650	645	10.854	10.772	35.538	3.91					27.425	31.769	36.123	40.376	44.532	99.4	0.940			
700	696	10.297	10.212	35.478	3.75					27.523	31.916	36.300	40.580	44.762	84.0	0.988			
800	795	8.989	8.899	35.346	3.52					27.585	32.043	36.454	40.761	44.969	74.4	1.157			
900	894	7.784	7.690	35.233	3.58					27.652	32.119	36.542	40.862	45.081	69.3	1.230			
1002	995	7.242	7.141	35.211	3.89					27.693	32.192	36.621	40.946	45.171	64.2	1.297			
1102	1094	6.987	6.877	35.249	4.34					27.753	32.239	36.676	41.007	45.238	61.3	1.360			
1202	1192	6.706	6.587	35.250	4.29					27.809	32.303	36.743	41.077	45.312	56.9	1.419			
1302	1291	6.551	6.423	35.298	4.62					27.852	32.374	36.828	41.176	45.424	51.4	1.474			
1404	1392	5.960	5.827	35.270	4.86					27.880	32.426	36.888	41.245	45.501	47.6	1.525			
1506	1493	5.611	5.471	35.268						27.921	32.499	37.006	41.404	45.700	43.8	1.754			
2008	1988	3.950	3.792	35.064	5.42						32.564	37.093	41.513	45.830	39.8	1.966			
2514	2486	3.147	2.943	35.012	5.63														

STATION 20

ATLANTIS II-107 21										LAT = 24 32.9 N LONG = 29 47.3 W 22/10/79 24 OBS. SONIC DEPTH= 5670m STATION 21									
PR	DE	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	m	deg C	deg C	o/oo	ml/l														
10	10	25.023	25.021	37.352	4.90					25.132	29.332	33.433	37.441	41.358	284.6	0.016			
82	82	21.701	21.685	37.030	5.27					25.867	30.114	34.263	38.316	42.279	217.9	0.196			
112	112	20.284	20.263	36.947	4.96					26.194	30.463	34.632	38.706	42.689	188.0	0.257			
150	150	19.372	19.344	36.793	4.82					26.319	30.603	34.787	38.875	42.872	177.5	0.326			
204	203	18.115	18.079	36.526	4.64					26.438	30.744	34.949	39.057	43.074	168.0	0.420			
254	253	16.418	16.377	36.268	4.57					26.652	30.989	35.223	39.360	43.404	148.9	0.499			
334	332	14.863	14.812	36.030	4.15					26.824	31.190	35.453	39.618	43.688	134.6	0.612			
378	376	14.233	14.177	35.910	3.94					26.870	31.248	35.523	39.699	43.781	131.3	0.671			
420	418	13.544	13.484	35.833	3.93					26.956	31.349	35.637	39.826	43.920	123.9	0.724			
462	459	13.039	12.974	35.769	3.98					27.011	31.414	35.712	39.910	44.014	119.5	0.775			
502	499	12.616	12.547	35.697	4.06					27.041	31.453	35.759	39.966	44.077	117.5	0.823			
542	539	12.102	12.029	35.644	3.95					27.101	31.524	35.841	40.057	44.178	112.4	0.869			
584	581	11.548	11.472	35.570	3.71					27.150	31.584	35.913	40.140	44.272	109.3	0.915			
628	624	10.792	10.713	35.478	3.44					27.218	31.669	36.013	40.256	44.402	102.1	0.961			
718	713	9.891	9.806	35.358	3.25					27.284	31.755	36.119	40.381	44.545	96.8	1.051			
808	803	8.654	8.565	35.243	3.31					27.397	31.897	36.288	40.577	44.766	86.1	1.133			
900	894	7.458	7.366	35.123	3.36					27.484	32.013	36.432	40.746	44.962	77.4	1.208			
990	983	6.748	6.652	35.080	3.80					27.550	32.096	36.532	40.863	45.094	71.2	1.275			
1088	1090	6.187	6.085	35.064	3.92					27.613	32.173	36.623	40.967	45.210	65.5	1.342			
1190	1181	5.983	5.872	35.114	4.20					27.680	32.245	36.699	41.048	45.295	60.2	1.406			
1294	1283	5.667	5.549	35.130	4.29					27.733	32.306	36.768	41.124	45.379	55.8	1.467			
1398	1396	5.374	5.248	35.137	4.74					27.775	32.356	36.825	41.188	45.450	52.4	1.523			
1904	1885	4.170	4.009	35.072	5.32					27.864	32.477	36.978	41.371	45.662	45.3	1.770			
2408	2387	3.361	3.163	35.026	5.57					27.912	32.548	37.071	41.486	45.797	41.1	1.988			

STATION 21

ATLANTIS 11-107 22										LAT = 23 32.7 N				LONG = 29 39.1 W				23/10/79				23 OBS.				SONIC DEPTH= 5670m				STATION	
PQ	DF	T	R	S	OXY	PHOS	SIL	N02	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT															
dbar	m	deg C	deg C	o/oo	ml/l																										
14	14	25.098	25.095	37.283	4.81					25.057	29.256	33.357	37.364	41.281	291.9	0.022															
98	98	21.248	21.229	37.040	5.17					26.001	30.255	34.410	38.470	42.439	205.8	0.231															
116	116	20.612	20.590	36.975						26.127	30.391	34.555	38.624	42.602	194.6	0.267															
150	150	19.611	19.583	36.829	4.00					26.284	30.564	34.744	38.829	42.822	180.9	0.330															
192	191	18.572	18.538	36.565	4.39					26.352	30.651	34.848	38.950	42.959	175.8	0.405															
248	247	16.761	16.720	36.302	4.25					26.597	30.927	35.156	39.287	43.326	154.1	0.497															
368	365	14.163	14.109	35.928	3.94					26.898	31.278	35.554	39.731	43.814	128.2	0.667															
414	412	13.458	13.399	35.828	3.85					26.970	31.364	35.654	39.844	43.940	122.4	0.724															
460	457	13.007	12.943	35.764	4.00					27.014	31.417	35.716	39.915	44.019	119.2	0.780															
504	501	12.472	12.403	35.683	3.99					27.059	31.473	35.783	39.992	44.106	115.8	0.831															
548	545	11.890	11.817	35.622	3.89					27.125	31.552	35.873	40.094	44.219	110.1	0.881															
594	590	11.229	11.153	35.528	3.71					27.177	31.618	35.953	40.187	44.325	105.7	0.931															
640	636	10.590	10.511	35.451	3.43					27.233	31.689	36.037	40.284	44.434	100.7	0.978															
686	682	9.916	9.834	35.368	3.47					27.287	31.757	36.120	40.381	44.545	95.9	1.023															
784	779	8.601	8.515	35.244	2.84					27.406	31.907	36.299	40.588	44.779	84.7	1.112															
882	876	7.365	7.276	35.106	3.38					27.484	32.014	36.436	40.753	44.970	76.9	1.191															
980	973	6.633	6.539	35.054	3.58					27.545	32.094	36.533	40.867	45.100	71.2	1.264															
1080	1072	6.202	6.101	35.056	3.93					27.605	32.164	36.614	40.957	45.201	66.2	1.332															
1186	1177	5.941	5.831	35.092	4.11					27.668	32.234	36.689	41.039	45.288	61.2	1.400															
1244	1234	5.752	5.638	35.100	4.37					27.698	32.269	36.729	41.083	45.336	58.6	1.434															
1350	1339	5.549	5.426	35.128	3.85					27.747	32.323	36.788	41.147	45.404	55.0	1.495															
1458	1445	5.312	5.181	35.123	4.68					27.772	32.355	36.826	41.190	45.454	53.2	1.553															
1980	1960	4.013	3.847	35.045	5.30					27.859	32.477	36.982	41.380	45.674	45.7	1.811															

STATION 22

ATLANTIS II-107 23										LAT = 22 30.0 N LONG = 29 30.8 W										23/10/79 24 HRS.										SONIC DEPTH= 5580m										STATION 23									
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																																	
dbar	m	deg C	deg C	o/oo	ml/l																																												
10	10	25.028	25.026		4.76					26.034	30.288	34.442	38.501	42.470	202.6	0.011																																	
96	96	21.251	21.232	37.084	4.94					26.208	30.475	34.643	38.715	42.696	202.6	0.185																																	
120	120	20.378	20.355	36.998	4.83					26.303	30.587	34.772	38.860	42.857	187.0	0.232																																	
158	158	19.354	19.325	36.765	4.47					26.443	30.751	34.958	39.068	43.087	179.4	0.301																																	
194	193	18.003	17.969	36.497	4.25					26.665	31.003	35.240	39.379	43.425	167.1	0.364																																	
246	245	16.300	16.260	36.249						26.878	31.261	35.540	39.719	43.805	147.4	0.445																																	
344	342	14.035	13.984	35.868						26.957	31.355	35.649	39.843	43.943	129.3	0.581																																	
394	392	13.256	13.200	35.758						27.040	31.453	35.760	39.968	44.080	115.9	0.644																																	
444	442	12.559	12.498	35.683						27.083	31.504	35.820	40.036	44.157	115.9	0.704																																	
494	491	12.140	12.074	35.631						27.152	31.589	35.921	40.152	44.286	106.9	0.761																																	
542	539	11.395	11.325	35.537	3.33					27.193	31.644	35.990	40.233	44.381	103.6	0.813																																	
594	590	10.752	10.678	35.437	3.12					27.279	31.752	36.116	40.379	44.544	95.5	0.868																																	
646	642	9.843	9.767	35.344	2.96					27.330	31.819	36.200	40.479	44.659	90.7	0.920																																	
694	690	9.108	9.030	35.252	2.86					27.421	31.939	36.348	40.654	44.860	82.1	0.964																																	
792	787	7.885	7.802	35.124	2.93					27.480	32.018	36.446	40.770	44.993	76.9	1.049																																	
894	888	7.088	6.999	35.052	3.07					27.537	32.088	36.529	40.864	45.100	72.0	1.130																																	
994	987	6.560	6.465	35.031	3.37					27.600	32.159	36.607	40.950	45.193	66.9	1.205																																	
1092	1084	6.235	6.132	35.055	3.76					27.662	32.229	36.686	41.037	45.286	61.7	1.273																																	
1192	1183	5.904	5.794	35.079	4.05					27.711	32.285	36.748	41.106	45.362	57.7	1.337																																	
1290	1279	5.623	5.506	35.095						27.751	32.332	36.801	41.165	45.427	54.5	1.395																																	
1386	1374	5.367	5.243	35.105	4.55					27.785	32.374	36.850	41.220	45.489	51.4	1.449																																	
1476	1463	5.088	4.958	35.106	4.46					27.854	32.473	36.980	41.379	45.675	45.9	1.497																																	
1984	1964	3.956	3.790	35.031	5.22					27.854	32.473	36.980	41.379	45.675	45.9	1.744																																	
2487	2459	3.269	3.065	34.984	5.21					27.888	32.527	37.053	41.471	45.785	43.4	1.969																																	

STATION 23

ATLANTIS II-107 24										LAT = 22 53.2 N LONG = 29 32.4 W										23/10/79										24 085. SONIC DEPTH= 5573m										STATION 24									
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																																	
dbar	m	deg C	deg C	o/oo	ml/l																																												
7	7	25.046	25.044	36.794	4.73					24.703	28.906	33.010	37.020	40.940	325.3	0.011																																	
106	106	20.634	20.614	37.043	5.15					26.172	30.435	34.599	38.667	42.644	189.8	0.268																																	
134	134	19.898	19.873	36.952	4.96					26.301	30.576	34.751	38.831	42.819	178.6	0.320																																	
166	166	19.146	19.116												168.7	0.375																																	
220	219	17.332	17.295	36.501	4.34					26.612	30.931	35.149	39.270	43.298	151.9	0.462																																	
268	267	16.211	16.168	36.264	3.89					26.698	31.038	35.276	39.416	43.464	145.0	0.533																																	
322	321	15.313	15.263	36.112	3.75					26.787	31.145	35.399	39.555	43.618	137.9	0.610																																	
378	376	14.342	14.286	35.961	4.04					26.886	31.262	35.535	39.709	43.788	129.9	0.684																																	
434	432	13.591	13.528	35.863	4.16					26.970	31.362	35.649	39.836	43.930	123.1	0.755																																	
484	481	12.933	12.865	35.765	4.05					27.030	31.435	35.735	39.935	44.041	118.3	0.816																																	
532	529	12.410	12.338	35.682	3.87					27.071	31.487	35.797	40.008	44.123	115.3	0.872																																	
578	575	11.664	11.588	35.621	3.87					27.168	31.599	35.925	40.150	44.279	106.6	0.923																																	
622	618	10.965	10.886	35.526	3.67					27.224	31.671	36.011	40.250	44.393	101.6	0.968																																	
666	662	10.149	10.069	35.391	3.18					27.264	31.729	36.088	40.344	44.503	97.8	1.012																																	
750	745	9.068	8.983	35.300	3.09					27.375	31.865	36.247	40.526	44.707	87.7	1.090																																	
830	824	7.661	7.575	35.102	2.96					27.437	31.961	36.375	40.686	44.897	80.9	1.158																																	
918	911	6.943	6.853	35.042	3.19					27.493	32.034	36.466	40.793	45.019	75.8	1.226																																	
1024	1016	6.370	6.273	35.027	3.68					27.559	32.115	36.560	40.900	45.140	70.0	1.304																																	
1126	1117	5.926	5.822	35.042	4.05					27.629	32.196	36.652	41.002	45.252	63.8	1.372																																	
1226	1216	5.665	5.554	35.065	4.25					27.681	32.255	36.717	41.073	45.328	59.7	1.434																																	
1328	1317	5.411	5.292	35.081	4.64					27.726	32.306	36.774	41.137	45.398	56.1	1.493																																	
1432	1420	5.218	5.091	35.109	4.89					27.772	32.357	36.830	41.197	45.462	52.6	1.549																																	
1952	1933	3.909	3.747	35.028	5.22					27.856	32.477	36.984	41.385	45.682	45.2	1.803																																	
2448	2421	3.260	3.060	35.000	5.43					27.901	32.540	37.066	41.484	45.798	41.8	2.019																																	

STATION 24

STATION 25

ATLANTIS II-107 26										24/10/79 24 OBS. SONIC DEPTH= 5496m STATION 26									
LAT = 23 43.7 N LONG = 31 31.3 W																			
PQ	DF	T	θ	S	PHY	PHDS	SIL	M02	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	m	deg C	deg C	o/oo	m/l														
10	10	25.228	25.226	37.048	5.03					24.840	29.038	33.139	37.145	41.061	312.5	0.017			
94	94	22.040	22.021	37.049	5.00					25.787	30.029	34.173	38.221	42.179	226.1	0.243			
120	120	20.467	20.444	36.924	4.60					26.127	30.394	34.560	38.632	42.612	194.6	0.298			
146	146	19.425	19.398	36.737	4.37					26.262	30.546	34.729	38.817	42.813	182.7	0.347			
182	181	18.155	18.123	36.539	4.18					26.437	30.742	34.946	39.054	43.070	167.3	0.410			
244	243	16.755	16.715	36.291	4.05					26.590	30.920	35.149	39.280	43.319	154.6	0.509			
352	350	14.704	14.651	36.005	3.96					26.841	31.210	35.476	39.643	43.716	133.5	0.665			
402	400	13.910	13.851	35.877	3.94					26.913	31.298	35.579	39.762	43.849	127.7	0.730			
450	448	13.130	13.067	35.789	4.06					27.008	31.409	35.705	39.901	44.003	119.6	0.789			
500	497	12.690	12.621	35.720	4.13					27.044	31.454	35.759	39.964	44.074	117.2	0.848			
548	545	12.100	12.027	35.648	4.01					27.105	31.527	35.844	40.061	44.182	112.2	0.903			
596	592	11.521	11.443	35.575	3.88					27.159	31.594	35.923	40.151	44.283	107.7	0.956			
642	638	10.884	10.803	35.500	3.64					27.219	31.668	36.010	40.251	44.395	102.5	1.005			
692	688	10.231	10.147	35.436	3.52					27.286	31.749	36.105	40.359	44.517	96.6	1.054			
794	789	9.027	8.937	35.314	3.41					27.393	31.884	36.267	40.547	44.729	86.8	1.148			
894	888	7.834	7.740	35.227	3.44					27.511	32.030	36.440	40.746	44.952	75.6	1.229			
988	981	7.008	6.910	35.155	3.72					27.574	32.113	36.542	40.867	45.092	69.6	1.297			
1080	1072	6.484	6.380	35.142	3.97					27.636	32.188	36.630	40.967	45.203	64.0	1.359			
1172	1163	6.005	5.896	35.129	4.34					27.689	32.253	36.707	41.055	45.302	59.2	1.415			
1262	1252	5.757	5.641	35.146	4.55					27.734	32.305	36.765	41.118	45.371	55.6	1.467			
1356	1345	5.511	5.388	35.152	4.72					27.770	32.347	36.813	41.172	45.431	52.7	1.518			
1450	1438	5.253	5.123	35.151	4.84					27.801	32.385	36.857	41.223	45.487	50.2	1.566			
1922	1903	3.967	3.807	35.061	5.38					27.876	32.495	37.001	41.399	45.695	43.3	1.787			
2436	2409	3.189	2.992	34.985	5.55					27.895	32.537	37.065	41.484	45.800	41.8	2.006			

STATION 26

ATLANTIS 11-107 27										LAT = 24 8.2 N LONG = 32 31.3 W 24/10/79 24 OBS. SONIC DEPTH= 5436m STATION 27						
PR	DF	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
16	16	25.196	25.192	37.507	4.81					25.197	29.393	33.492	37.496	41.410	278.8	0.024
104	104	20.899	20.879	37.019	5.15					26.082	30.341	34.501	38.565	42.539	198.4	0.233
122	122	20.172	20.149	36.956	4.96					26.231	30.502	34.673	38.748	42.732	184.8	0.268
158	158	18.962	18.933	36.803	4.53					26.433	30.724	34.914	39.008	43.010	166.9	0.331
226	225	17.241	17.203	36.496	4.20					26.630	30.951	35.170	39.293	43.323	150.3	0.439
286	285	15.878	15.832	36.276	4.10					26.784	31.130	35.374	39.520	43.572	137.3	0.525
342	340	14.923	14.871	36.108	3.56					26.872	31.236	35.497	39.660	43.730	130.4	0.600
400	398	13.860	13.802	35.917	4.12					26.955	31.340	35.622	39.805	43.893	123.7	0.674
458	456	13.275	13.210	35.803	4.20					26.990	31.387	35.681	39.875	43.974	121.7	0.745
500	497	12.788	12.719	35.736	4.26					27.037	31.445	35.748	39.951	44.060	118.0	0.795
550	547	12.249	12.175	35.661	3.98					27.086	31.506	35.820	40.033	44.152	114.2	0.853
606	602	11.586	11.507	35.589	3.71					27.158	31.592	35.919	40.146	44.277	108.2	0.915
646	642	11.011	10.929	35.514	3.55					27.207	31.653	35.993	40.231	44.373	103.9	0.958
698	694	10.427	10.341	35.431	3.34					27.248	31.707	36.059	40.310	44.463	100.6	1.011
800	795	9.159	9.068	35.330	3.38					27.385	31.873	36.252	40.529	44.708	88.0	1.107
902	896	7.945	7.850	35.219	3.06					27.488	32.005	36.412	40.716	44.920	78.1	1.192
1002	995	7.059	6.959	35.167	3.62					27.576	32.114	36.543	40.866	45.090	69.7	1.266
1106	1098	6.539	6.432	35.160	3.96					27.643	32.194	36.634	40.970	45.205	63.9	1.335
1200	1190	6.152	6.039	35.155	4.38					27.691	32.251	36.701	41.046	45.289	59.9	1.393
1298	1287	5.822	5.702	35.158	4.53					27.736	32.305	36.763	41.115	45.367	56.1	1.450
1406	1394	5.247	5.122	35.111	4.80					27.770	32.354	36.826	41.193	45.457	52.5	1.504
1542	1528	4.890	4.755	35.108	5.03					27.810	32.404	36.885	41.260	45.533	49.2	1.578
1980	1960	3.935	3.770	35.053	5.28					27.874	32.493	37.000	41.400	45.696	44.0	1.782
2382	2356	3.316	3.122	34.995	5.56					27.891	32.529	37.053	41.469	45.782	42.5	1.956

STATION 27

ATLANTIS II-107 29										LAT = 24 30.0 N LONG = 33 33.0 W										24/10/79 24 OBS.										SONIC DEPTH= 5300m										STATION 28									
PR	DBAR	DF	m	T	deg C	theta	S	OXY	ml/l	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																													
14		14		25.587	25.584	37.537	4.77							25.098	29.290	33.383	37.382	41.291	288.1	0.022																													
124		124		20.506	20.482	37.029	5.15							26.197	30.462	34.628	38.698	42.677	188.2	0.283																													
154		154		19.459	19.431	36.885	4.86							26.367	30.649	34.831	38.917	42.912	173.2	0.337																													
182		181		18.441	18.409	36.721	4.64							26.504	30.804	35.002	39.105	43.116	161.0	0.384																													
222		221		17.521	17.483	36.518	4.43							26.579	30.895	35.109	39.227	43.253	155.1	0.447																													
284		283		16.272	16.226	36.293	4.20							26.706	31.045	35.282	39.421	43.468	144.8	0.540																													
350		348		15.048	14.994	36.106	4.22							26.843	31.205	35.464	39.625	43.692	133.5	0.632																													
398		396		14.317	14.258	35.984	4.21							26.910	31.286	35.559	39.733	43.814	128.2	0.695																													
448		446		13.722	13.657	35.877	4.28							26.954	31.343	35.628	39.813	43.904	125.1	0.758																													
502		499		13.203	13.132	35.793	4.19							26.998	31.397	35.692	39.887	43.988	122.2	0.825																													
548		545		12.584	12.509	35.720	4.22							27.057	31.479	35.786	39.993	44.105	116.4	0.890																													
604		600		11.875	11.795	35.610	3.97							27.120	31.547	35.869	40.090	44.216	112.1	0.944																													
654		650		11.224	11.140	35.542	3.79							27.190	31.631	35.967	40.201	44.339	106.0	0.998																													
704		699		10.650	10.562	35.464	3.61							27.234	31.688	36.036	40.282	44.431	102.3	1.050																													
804		799		9.244	9.152	35.331	3.44							27.372	31.858	36.236	40.511	44.688	89.4	1.146																													
900		894		8.061	7.965	35.219	3.44							27.471	31.985	36.390	40.691	44.893	79.9	1.227																													
1000		993		7.135	7.035	35.176	3.76							27.573	32.109	36.535	40.857	45.079	70.2	1.302																													
1100		1092		6.564	6.458	35.121	4.14							27.609	32.159	36.600	40.935	45.169	67.0	1.371																													
1202		1192		6.318	6.203	35.180	4.30							27.689	32.245	36.691	41.032	45.272	60.5	1.436																													
1298		1287		5.980	5.858	35.194	4.49							27.745	32.310	36.764	41.112	45.359	55.8	1.492																													
1396		1384		5.607	5.479	35.192	4.70							27.791	32.365	36.828	41.185	45.441	51.7	1.544																													
1496		1483		5.269	5.135		5.28												50.5	1.596																													
1980		1960		4.112	3.944	35.080	5.34							27.877	32.492	36.994	41.389	45.681	44.5	1.826																													
2456		2439		3.243	3.042	34.995	5.53							27.899	32.539	37.065	41.483	45.798	42.1	2.036																													

STATION 28

ATLANTIS II-107 29										LAT = 25 31.6 N LONG = 32 2.8 W 25/10/79 24 HRS. SONIC DEPTH= 5960m STATION 29						
PQ	DE	T	Q	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
16	16	24.969	24.965	37.504	4.76					25.264	29.464	33.565	37.572	41.489	272.3	0.023
102	102	21.312	21.292	37.050	5.16					25.992	30.245	34.398	38.457	42.425	206.9	0.229
124	124	20.491	20.467	36.972	5.02					26.158	30.423	34.589	38.660	42.640	192.0	0.273
166	166	19.542	19.511	36.824	4.78					26.299	30.581	34.762	38.847	42.841	180.1	0.351
222	221	17.990	17.951	36.514	4.63					26.460	30.769	34.976	39.086	43.105	166.5	0.448
288	287	16.443	16.396	36.282	4.37					26.658	30.994	35.228	39.365	43.409	149.6	0.552
346	344	15.319	15.265	36.087	4.23					26.768	31.125	35.380	39.536	43.599	140.6	0.636
398	396	14.523	14.463	35.994	4.23					26.873	31.246	35.515	39.685	43.762	131.9	0.707
444	442	13.855	13.790	35.883	4.46					26.931	31.317	35.599	39.782	43.871	127.3	0.767
496	493	13.285	13.214	35.801	4.24					26.987	31.385	35.678	39.872	43.971	123.1	0.832
546	543	12.712	12.636	35.722	4.20					27.043	31.452	35.757	39.962	44.072	118.7	0.892
596	592	11.899	11.820	35.627	3.64					27.129	31.555	35.876	40.097	44.222	111.1	0.949
646	642	11.249	11.166	35.560	3.84					27.199	31.640	35.975	40.208	44.345	105.0	1.003
698	694	10.709	10.622	35.455	3.38					27.217	31.669	36.016	40.261	44.409	103.9	1.058
796	791	9.307	9.215	35.300	3.09					27.337	31.822	36.199	40.473	44.649	92.6	1.154
894	888	8.240	8.144	35.204	3.24					27.432	31.942	36.343	40.640	44.839	83.8	1.240
996	989	7.427	7.325	35.149	3.55					27.510	32.040	36.460	40.775	44.991	76.6	1.322
1096	1088	6.737	6.630	35.124	3.95					27.588	32.134	36.570	40.902	45.133	69.4	1.395
1294	1283	6.037	5.915	35.167	4.44					27.658	32.213	36.658	40.997	45.236	63.5	1.462
1396	1384	5.793	5.663	35.182	4.70					27.716	32.280	36.733	41.080	45.326	58.6	1.521
1504	1491	5.514	5.376	35.182	4.86					27.760	32.330	36.789	41.141	45.393	55.2	1.579
1982	1962	4.171	4.002	35.078	5.44					27.796	32.373	36.838	41.198	45.456	52.4	1.638
2484	2456	3.295	3.091	34.993	5.71					27.869	32.483	36.984	41.377	45.668	45.6	1.872
										27.893	32.531	37.056	41.473	45.786	43.1	2.094

STATION 29

ATLANTIS II-107 30										LAT = 26 31.8 N LONG = 30 40.6 W										25/10/79 24 DRS. SONIC DEPTH= 5226m										STATION 30	
PQ	DE	T	θ	S	XY	PHOS	SIL	N02	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT											STATION 30				
dhar	m	deg C	deg C	o/oo	ml/l																						STATION 30				
14	14	24.716	24.713	37.434	4.82					25.288	29.492	33.597	37.607	41.528	269.9	0.020															
92	92	21.008	20.990	36.906	5.24					25.965	30.224	34.382	38.446	42.419	208.9	0.207															
110	110	20.293	20.272	36.839	5.02					26.109	30.378	34.548	38.622	42.606	195.9	0.243															
134	134	19.277	19.252	36.723	4.80					26.290	30.576	34.761	38.851	42.849	179.6	0.288															
188	187	18.069	18.036	36.509	4.71					26.435	30.742	34.948	39.058	43.075	167.6	0.382															
272	271	16.645	16.600	36.268	4.62					26.599	30.932	35.163	39.296	43.337	154.7	0.517															
350	348	15.231	15.177	36.063	4.49					26.769	31.128	35.384	39.542	43.607	140.6	0.632															
400	398	14.350	14.290	35.952	4.40					26.878	31.254	35.527	39.700	43.780	131.3	0.700															
448	446	13.752	13.687	35.848	4.45					26.926	31.314	35.598	39.783	43.874	127.8	0.762															
500	497	13.059	12.988	35.774	4.37					27.012	31.415	35.712	39.911	44.014	120.6	0.827															
550	547	12.527	12.452	35.706	4.29					27.067	31.480	35.789	39.997	44.110	116.4	0.886															
596	592	11.881	11.803		4.01					27.191	31.631	35.965	40.198	44.335	105.8	0.995															
648	644	11.284	11.201	35.558	4.00					27.255	31.710	36.058	40.304	44.454	100.4	1.055															
706	701	10.616	10.528	35.483	3.88					27.364	31.845	36.218	40.489	44.662	90.4	1.143															
798	793	9.454	9.361	35.365	3.65					27.481	31.992	36.394	40.693	44.892	79.2	1.231															
902	896	8.168	8.071	35.252	3.67					27.549	32.076	36.493	40.807	45.021	73.1	1.298															
990	983	7.508	7.406	35.213	3.88					27.630	32.172	36.603	40.930	45.156	66.0	1.373															
1098	1090	6.918	6.809	35.209	4.15					27.703	32.252	36.691	41.024	45.258	60.1	1.442															
1208	1198	6.605	6.487	35.246	4.34					27.730	32.284	36.727	41.065	45.302	58.0	1.475															
1254	1254	6.420	6.297	35.248	4.49					27.770	32.328	36.776	41.119	45.361	54.6	1.508															
1322	1311	6.213	6.096	35.263	4.68					27.786	32.349	36.801	41.147	45.392	53.5	1.540															
1382	1370	6.056	5.925	35.257	4.39					27.873	32.483	36.981	41.372	45.659	45.1	1.807															
1922	1903	4.277	4.113	35.097	5.52					27.894	32.537	37.066	41.486	45.803	42.1	2.053															
2488	2460	3.153	2.951	34.979	5.81																										

ATLANTIS II-107 31										LAT = 28 13.6 N LONG = 30 55.0 W										26/10/79										24 OBS.										SONIC DEPTH= 5036m										STATION									
P2	DF	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-R	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																																											
dbar	m	deg C	deg C	o/oo	ml/l																																																						
12	12	24.760	24.757	37.174	4.83					25.078	29.282	33.388	37.400	41.321	289.8	3.019																																											
98	98	19.478	19.460	36.755	5.32					26.260	30.543	34.725	38.811	42.807	181.0	0.221																																											
106	106	19.302	19.283	36.621	5.27					26.204	30.490	34.676	38.766	42.764	186.6	0.236																																											
110	110	19.177	19.157	36.589	5.15					26.212	30.500	34.688	38.780	42.781	186.0	0.243																																											
176	175	17.975	17.944	36.471	4.79					26.429	30.738	34.945	39.056	43.075	167.7	0.360																																											
274	273	16.396	16.351	36.290	4.80					26.675	31.012	35.246	39.383	43.428	147.5	0.514																																											
364	362	15.187	15.131	36.074	4.61					26.788	31.148	35.405	39.563	43.629	139.2	0.643																																											
406	404	14.552	14.491	35.970	4.50					26.848	31.221	35.490	39.660	43.736	134.5	0.701																																											
470	467	13.764	13.696	35.828	4.50					26.908	31.297	35.581	39.766	43.857	130.2	0.785																																											
514	511	13.122	13.049	35.726	4.38					26.963	31.364	35.661	39.858	43.961	125.7	0.842																																											
546	543	12.704	12.628	35.688	4.38					27.018	31.428	35.733	39.938	44.048	121.0	0.881																																											
588	584	12.145	12.066	35.651	4.52					27.100	31.521	35.838	40.053	44.174	113.9	0.930																																											
626	622	11.807	11.724	35.601	4.24					27.127	31.555	35.879	40.101	44.228	112.0	0.973																																											
712	707	10.811	10.722	35.485	4.01					27.222	31.673	36.017	40.259	44.405	103.9	1.066																																											
800	795	9.795	9.700	35.382	3.77					27.320	31.794	36.160	40.423	44.590	95.1	1.154																																											
908	902	8.446	8.347	35.279	3.67					27.460	31.964	36.360	40.653	44.846	81.9	1.249																																											
1004	997	7.959	7.852	35.318	4.00					27.566	32.081	36.488	40.791	44.995	72.8	1.324																																											
1098	1090	7.400	7.287	35.294	4.40					27.630	32.159	36.579	40.894	45.110	67.2	1.389																																											
1192	1183	6.522	6.406	35.306	4.46					27.762	32.312	36.752	41.087	45.321	54.2	1.447																																											
1292	1281	6.512	6.386	35.253	4.63					27.723	32.274	36.715	41.051	45.286	59.4	1.503																																											
1348	1337	6.332	6.201	35.291	4.78					27.777	32.332	36.777	41.117	45.356	54.7	1.535																																											
1456	1443	5.982	5.844	35.265	5.03					27.803	32.367	36.821	41.169	45.416	52.8	1.593																																											
1981	1960	4.239	4.069	35.095	5.60					27.876	32.487	36.986	41.378	45.667	45.3	1.850																																											
2259	2244	3.625	3.437	35.027	5.78					27.886	32.515	37.031	41.439	45.744	43.8	1.979																																											

STATION 31

ATLANTIS II-107 32										LAT = 28 52.8 N LONG = 32 35.6 W										26/10/79 24 OBS. SONIC DEPTH= 4890m										STATION 32	
PR	DF	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT															
dbar	m	deg C	deg C	o/oo	ml/l																										
5	5	24.992	24.991		4.82					25.734	29.987	34.140	38.199	42.167	231.3	0.006															
100	100	21.442	21.422	36.759	5.33					25.983	30.249	34.416	38.487	42.468	231.3	0.227															
118	118	20.536	20.513	36.759	5.12					26.200	30.483	34.665	38.752	42.748	208.3	0.267															
138	138	19.486	19.461	36.676	4.71					26.349	30.651	34.853	38.958	42.971	175.9	0.398															
188	187	18.352	18.319	36.488	4.58					26.564	30.894	35.122	39.253	43.291	158.1	0.541															
274	273	16.804	16.759	36.271	4.23					26.758	31.112	35.363	39.516	43.577	141.7	0.649															
346	344	15.490	15.436	36.124	4.54					26.856	31.226	35.494	39.662	43.738	133.6	0.723															
400	398	14.625	14.564	36.000	4.27					26.911	31.295	35.575	39.756	43.842	129.5	0.789															
450	448	13.973	13.907	35.889	4.35					26.989	31.386	35.679	39.872	43.971	123.1	0.852															
500	497	13.304	13.233	35.808	4.41					27.073	31.484	35.790	39.995	44.106	115.8	0.910															
548	545	12.659	12.583	35.748	4.31					27.114	31.535	35.850	40.066	44.185	112.9	0.967															
598	594	12.176	12.095	35.677	4.37					27.193	31.630	35.962	40.192	44.327	105.8	1.021															
648	644	11.394	11.310	35.586	4.23					27.265	31.720	36.069	40.316	44.466	99.8	1.096															
720	715	10.586	10.497	35.488	4.07					27.361	31.839	36.209	40.476	44.646	91.0	1.174															
802	797	9.599	9.505	35.392	3.76					27.457	31.958	36.351	40.641	44.832	82.1	1.253															
894	888	8.570	8.471	35.300	3.64					27.564	32.090	36.507	40.819	45.032	71.8	1.330															
994	987	7.545	7.442	35.239	3.91										66.7	1.400															
1094	1086	6.971	6.862		4.20					27.676	32.232	36.678	41.018	45.258	61.7	1.464															
1194	1185	6.323	6.209	35.164	4.43					27.719	32.282	36.735	41.082	45.328	58.2	1.518															
1284	1274	6.041	5.920	35.171	4.50					27.758	32.329	36.790	41.144	45.398	54.9	1.572															
1380	1368	5.726	5.598	35.169	4.59					27.794	32.370	36.834	41.193	45.450	52.1	1.612															
1454	1441	5.555	5.421	35.187	4.83					27.872	32.481	36.977	41.366	45.652	45.9	1.859															
1959	1939	4.345	4.176	35.105	5.68					27.895	32.534	37.060	41.477	45.791	42.7	2.092															
2485	2457	3.270	3.066	34.993	5.76																										

STATION 32

ATLANTIS II-107 33										LAT = 27 53.4 N LONG = 34 1.1 W 27/10/79 24 HRS. SONIC DEPTH= 5006m STATION 33						
PR	DF	T	Q	S	OXY	PHOS	SIL	N02	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dhar	m	deg C	deg C	o/oo	ml/l											
5	5	25.023	25.022	37.203	4.79					25.019	29.220	33.322	37.330	41.248	295.1	0.007
86	RA	20.729	20.712	36.754	5.42					25.925	30.109	34.352	38.421	42.399	212.4	0.215
102	102	19.892	19.873	36.737	5.26					26.138	30.414	34.590	38.671	42.660	192.8	0.247
128	128	19.266	19.243	36.664	4.74					26.247	30.534	34.720	38.810	42.809	183.4	0.296
192	191	17.796	17.763	36.494	4.74					26.492	30.803	35.013	39.127	43.149	162.3	0.407
282	281	16.575	16.529	36.280	4.15					26.625	30.959	35.191	39.325	43.367	152.5	0.548
342	340	15.700	15.646	36.142	4.60					26.724	31.074	35.322	39.471	43.528	144.8	0.638
402	400	14.606	14.545	36.018	4.53					26.874	31.245	35.512	39.681	43.756	132.0	0.721
440	438	14.052	13.987	35.912	4.49					26.912	31.294	35.572	39.752	43.837	129.2	0.770
486	483	13.441	13.371	35.830	4.45					26.977	31.372	35.662	39.853	43.949	123.9	0.828
534	531	12.951	12.876	35.743	4.43					27.011	31.416	35.716	39.916	44.021	121.6	0.887
584	581	12.173	12.094	35.664	4.40					27.104	31.525	35.841	40.056	44.176	113.4	0.946
638	634	11.407	11.324	35.564	4.05					27.173	31.610	35.942	40.172	44.307	107.4	1.006
686	682	10.826	10.740	35.518	4.12					27.244	31.694	36.038	40.280	44.425	101.2	1.056
784	779	9.634	9.542	35.388	3.88					27.352	31.828	36.198	40.465	44.634	91.6	1.150
896	890	8.197	8.101	35.256	3.90					27.479	31.990	36.391	40.689	44.888	79.3	1.246
1000	993	7.446	7.343	35.239	4.11					27.578	32.107	36.525	40.840	45.055	70.4	1.324
1102	1094	6.899	6.789	35.213	4.43					27.636	32.178	36.610	40.937	45.164	65.4	1.393
1198	1188	6.276	6.162	35.194	4.59					27.706	32.263	36.710	41.051	45.292	58.8	1.453
1288	1277	5.873	5.753	35.183	4.75					27.750	32.317	36.774	41.124	45.374	54.9	1.504
1378	1365	5.558	5.432	35.203	4.91					27.805	32.381	36.845	41.203	45.460	50.0	1.551
1502	1480	5.214	5.079	35.164	4.95					27.817	32.402	36.875	41.242	45.507	49.3	1.613
1998	1978	4.075	3.906	35.085	5.46					27.885	32.501	37.004	41.400	45.693	43.8	1.844
2515	2486	3.225	3.019	34.988	5.79					27.895	32.536	37.063	41.482	45.797	42.7	2.067

STATION 33

ATLANTIS 11-107 34										LAT = 26 12.5 N LONG = 33 43.4 W										27/10/79 24 NRS. SONIC DEPTH= 5478m										STATION 34									
PQ	DF	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																							
dbar	m	deg C	deg C	o/oo	ml/l																																		
14	14	25.108	25.105	37.241	4.75					25.023	29.222	33.323	37.330	41.246	295.2	0.022																							
102	102	20.133	20.114	36.844	5.11					26.155	30.427	34.599	38.676	42.661	191.2	0.236																							
124	124	19.163	19.140	36.820	4.77					26.393	30.680	34.867	38.958	42.957	169.4	0.276																							
152	152	18.251	18.224	36.681	4.59					26.520	30.823	35.025	39.130	43.144	158.2	0.321																							
194	193	17.659	17.626	36.504	4.57					26.533	30.847	35.059	39.175	43.199	158.4	0.388																							
298	297	16.360	16.311	36.289	4.45					26.683	31.021	35.256	39.394	43.439	147.5	0.547																							
346	344	15.552	15.497	36.115	4.51					26.737	31.090	35.340	39.493	43.552	143.7	0.617																							
400	398	14.661	14.600	35.975	4.37					26.828	31.199	35.466	39.634	43.709	136.2	0.692																							
450	448	13.985	13.919	35.855	4.32					26.882	31.266	35.546	39.727	43.814	132.2	0.759																							
500	497	13.370	13.299	35.766	4.44					26.943	31.339	35.631	39.824	43.921	127.5	0.824																							
548	545	12.724	12.648	35.699	4.20					27.023	31.432	35.737	39.942	44.051	120.7	0.884																							
598	594	12.188	12.107	35.613	4.07					27.062	31.483	35.799	40.014	44.134	117.7	0.943																							
646	642	11.453	11.369	35.553	3.93					27.156	31.593	35.923	40.153	44.287	109.3	0.998																							
696	692	10.840	10.752	35.503	3.75					27.230	31.680	36.024	40.266	44.411	102.7	1.051																							
796	791	9.491	9.398	35.370	3.54					27.362	31.842	36.214	40.484	44.656	90.7	1.147																							
898	892	8.066	7.970	35.209	3.58					27.462	31.976	36.381	40.682	44.884	80.7	1.235																							
990	983	7.173	7.073	35.151	3.73					27.548	32.083	36.509	40.830	45.051	72.4	1.305																							
1092	1084	6.433	6.328	35.113	4.00					27.620	32.173	36.617	40.955	45.193	65.6	1.376																							
1192	1183	5.893	5.783	35.150	4.18					27.720	32.287	36.743	41.093	45.343	56.3	1.437																							
1294	1283	5.861	5.741	35.135	4.48					27.713	32.281	36.739	41.090	45.340	58.3	1.495																							
1392	1380	5.694	5.567	35.187	4.59					27.776	32.348	36.809	41.164	45.418	53.3	1.550																							
1492	1479	5.444	5.308	35.198	4.76					27.817	32.395	36.862	41.223	45.483	50.1	1.601																							
1990	1970	4.100	3.932	35.076	5.44					27.875	32.490	36.993	41.388	45.681	44.8	1.838																							
2504	2476	3.237	3.032	34.987	5.64					27.893	32.533	37.060	41.479	45.793	42.8	2.063																							

STATION 34

ATLANTIS 11-107 35										LAT = 24 55.4 N LONG = 34 30.0 W 28/10/79 24 HRS. SONIC DEPTH= 6039m STATION 35									
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	m	deg C	deg C	o/oo	ml/l														
19	18	25.257	25.253	37.503	4.78					25.175	29.371	33.468	37.472	41.386	280.9	0.027			
98	98	21.061	21.042	37.033	5.01					26.048	30.304	34.462	38.524	42.495	201.4	0.219			
116	116	20.427	20.405	36.860	4.80					26.089	30.357	34.524	38.596	42.578	198.1	0.255			
150	150	18.883	18.856	36.643	4.66					26.331	30.624	34.816	38.912	42.917	176.3	0.319			
206	205	17.749	17.713	36.479	4.54					26.492	30.804	35.015	39.130	43.152	162.9	0.414			
290	289	16.454	16.407	36.277	4.29					26.652	30.988	35.222	39.358	43.402	150.3	0.545			
352	350	15.301	15.246	36.102	4.35					26.784	31.141	35.396	39.552	43.616	139.3	0.635			
408	406	14.563	14.501	35.966	4.27					26.843	31.215	35.484	39.654	43.730	135.0	0.712			
456	454	13.823	13.756	35.879	4.33					26.935	31.322	35.604	39.788	43.877	127.3	0.775			
506	503	13.101	13.030	35.789	4.16					27.016	31.417	35.714	39.911	44.013	120.5	0.836			
558	555	12.544	12.467	35.708	3.99					27.065	31.479	35.787	39.995	44.107	116.7	0.898			
600	596	12.093	12.012	35.630	3.80					27.094	31.517	35.834	40.051	44.172	114.7	0.947			
656	652	11.285	11.201	35.535	3.63					27.174	31.614	35.948	40.181	44.318	107.7	1.009			
702	697	10.703	10.615	35.475	3.51					27.233	31.686	36.032	40.277	44.425	102.4	1.057			
806	801	9.167	9.075	35.281	3.31					27.345	31.833	36.213	40.491	44.670	91.8	1.158			
910	904	7.819	7.724	35.168	3.06					27.467	31.987	36.397	40.704	44.912	79.9	1.248			
1006	999	7.101	7.000	35.116	3.63					27.530	32.068	36.495	40.818	45.042	74.1	1.321			
1100	1092	6.747	6.639	35.157	3.94					27.613	32.158	36.594	40.925	45.156	67.2	1.388			
1198	1179	6.268	6.155	35.146	4.16					27.669	32.226	36.674	41.015	45.257	62.1	1.445			
1298	1287	5.959	5.837	35.170	4.41					27.729	32.294	36.749	41.098	45.346	57.2	1.510			
1388	1376	5.739	5.610	35.174	4.62					27.760	32.331	36.792	41.146	45.399	54.9	1.561			
1488	1475	5.552	5.415	35.192	4.78					27.799	32.375	36.839	41.198	45.455	52.1	1.614			
1944	1925	4.231	4.065	35.095	5.30					27.876	32.488	36.987	41.379	45.668	44.8	1.835			
2474	2446	3.218	3.016	34.985	5.63					27.893	32.534	37.061	41.480	45.795	42.5	2.067			
																	STATION 35		

ATLANTIS II-107 36										LAT = 25 20.0 N LONG = 35 32.6 W 28/10/79 24 OBS. SONIC DEPTH= 5540m STATION 36									
PQ	NE	T	θ	Σ	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	m	deg C	deg C	o/oo	ml/l														
10	10	25.420	25.418	37.053	4.90	:				24.784	28.980	33.078	37.082	40.996	317.8	0.017			
130	130	20.270	20.245	37.056	4.96					26.281	30.550	34.719	38.792	42.775	180.4	0.316			
146	146	19.860	19.833	36.896	4.83					26.269	30.545	34.721	38.802	42.791	182.1	0.345			
180	179	19.150	19.117	36.740	4.57					26.338	30.626	34.813	38.905	42.905	176.9	0.406			
230	229	17.851	17.811	36.486	4.53					26.474	30.784	34.994	39.107	43.128	165.5	0.491			
294	293	16.764	16.715	36.285	4.09					26.585	30.916	35.144	39.276	43.315	156.9	0.595			
350	348	15.937	15.881	36.137	4.12					26.666	31.012	35.256	39.402	43.455	150.7	0.681			
404	402	14.904	14.842	35.998	3.80					26.793	31.159	35.421	39.585	43.656	139.9	0.759			
458	456	14.177	14.109	35.886	4.19					26.866	31.246	35.522	39.699	43.783	134.2	0.833			
500	497	13.416	13.344	35.800	4.02					26.960	31.355	35.646	39.837	43.934	125.9	0.887			
556	553	12.536	12.460	35.695	3.81					27.057	31.470	35.778	39.987	44.100	117.5	0.956			
598	594	11.924	11.844	35.619	3.58					27.118	31.544	35.865	40.085	44.209	112.2	1.004			
656	652	11.203	11.119	35.531	3.52					27.185	31.627	35.963	40.198	44.336	106.5	1.067			
718	713	10.305	10.217	35.425	3.34					27.265	31.727	36.081	40.334	44.490	99.3	1.131			
812	806	9.122	9.030	35.297	3.25					27.365	31.854	36.235	40.513	44.693	90.0	1.220			
910	904	7.832	7.737	35.185	2.80					27.478	31.998	36.408	40.714	44.922	78.9	1.303			
1002	995	7.097	6.997	35.104	3.66					27.522	32.059	36.487	40.810	45.033	74.9	1.373			
1090	1082	6.638	6.532	35.086	3.97					27.571	32.120	36.559	40.893	45.126	70.6	1.437			
1198	1188	6.340	6.225	35.156	4.14					27.667	32.223	36.669	41.009	45.248	62.5	1.509			
1296	1285	6.003	5.881	35.196	4.56					27.744	32.308	36.761	41.109	45.356	56.0	1.567			
1356	1345	5.851	5.724	35.177	4.19					27.748	32.317	36.774	41.125	45.376	55.9	1.601			
1424	1412	5.657	5.526	35.177	4.71					27.773	32.346	36.809	41.165	45.420	53.9	1.638			
1928	1909	4.272	4.107	35.109	5.34					27.883	32.493	36.991	41.382	45.670	44.3	1.886			
2512	2484	3.213	3.008	35.024	5.56					27.925	32.566	37.093	41.512	45.827	39.9	2.131			

STATION 36

ATLANTIS II-107. 37										LAT = 25 42.5 N LONG = 35 29.5 W										24 HRS.				SONIC DEPTH= 535m				STATION		37	
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT											STATION		37		
dbar	m	deg C	deg C	o/oo	ml/l																						STATION		37		
14	14	25.519	25.516	37.134	4.70					24.815	29.009	33.106	37.108	41.020	315.0	0.024															
140	140	21.116	21.089	37.069	4.74					26.062	30.318	34.474	38.536	42.507	201.8	0.349															
172	172	20.023	19.991	36.929	4.51					26.253	30.526	34.699	38.777	42.764	184.9	0.411															
202	201	18.759	18.723	36.682	4.40					26.395	30.689	34.883	38.981	42.988	172.3	0.464															
238	237	17.810	17.769	36.491						26.488	30.799	35.010	39.123	43.145	164.5	0.525															
298	297	16.597	16.548	36.260						26.606	30.939	35.171	39.305	43.347	155.0	0.620															
346	344	15.591	15.536	36.110	3.80					26.724	31.077	35.326	39.478	43.536	144.9	0.692															
392	390	14.753	14.693	36.020	3.72					26.843	31.211	35.476	39.642	43.715	134.7	0.757															
438	435	14.172	14.107	35.941	3.93					26.909	31.288	35.564	39.741	43.824	129.5	0.817															
494	491	13.465	13.394	35.834	3.82					26.976	31.370	35.659	39.850	43.946	124.3	0.888															
550	547	12.824	12.747	35.731	3.84					27.028	31.435	35.737	39.940	44.048	120.4	0.957															
602	598	11.969	11.889	35.640	3.71					27.125	31.551	35.870	40.090	44.213	111.7	1.017															
642	638	11.430	11.347	35.589	3.68					27.188	31.625	35.956	40.186	44.319	106.1	1.041															
696	692	10.780	10.693	35.505	3.50					27.243	31.694	36.038	40.281	44.428	101.5	1.117															
796	791	9.477	9.384	35.372	3.24					27.366	31.846	36.219	40.489	44.661	90.3	1.213															
900	894	8.476	8.377	35.295	3.04					27.467	31.971	36.366	40.658	44.851	81.1	1.302															
994	987	7.481	7.379	35.255	3.55					27.586	32.113	36.531	40.845	45.059	69.7	1.373															
1100	1092	6.503	6.397	35.110	4.01					27.608	32.160	36.602	40.939	45.175	66.9	1.445															
1204	1194	6.351	6.235	35.182	4.16					27.687	32.242	36.687	41.027	45.266	60.9	1.511															
1296	1285	6.166	6.043	35.200	4.39					27.726	32.286	36.736	41.080	45.323	58.1	1.566															
1390	1378	5.875	5.745	35.190	4.58					27.756	32.324	36.780	41.131	45.381	55.7	1.620															
1464	1451	5.506	5.372	35.171	4.79					27.787	32.364	36.830	41.190	45.449	52.6	1.660															
1980	1960	4.141	3.973	35.078	5.37					27.872	32.487	36.988	41.382	45.674	45.1	1.912															
2448	2421	3.354	3.152	34.999	5.60					27.892	32.528	37.052	41.467	45.779	43.3	2.119															

ATLANTIS II-107 38										LAT = 26 6.6 N LONG = 37 30.6 W										29/10/79										24 OBS.										SONIC DEPTH= 5143m										STATION 38									
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																																											
dbar	m	deg C	deg C	o/oo	ml/l																																																						
10	10	25.432	25.430	37.478	4.90					25.102	29.295	33.391	37.392	41.303	287.5	0.016																																											
106	106	20.916	20.895	36.989	5.23					26.054	30.314	34.473	38.538	42.512	201.1	0.250																																											
132	132	20.031	20.006	36.871	4.71					26.204	30.478	34.651	38.729	42.716	187.8	0.300																																											
162	162	19.210	19.180	36.629	4.61					26.236	30.524	34.712	38.803	42.803	185.8	0.356																																											
226	225	17.765	17.726	36.450	4.54					26.467	30.780	34.991	39.105	43.128	166.0	0.469																																											
320	319	16.686	16.633	36.291	3.88					26.609	30.941	35.171	39.304	43.344	155.5	0.620																																											
348	346	16.191	16.135	36.170	4.37					26.633	30.975	35.214	39.355	43.404	153.9	0.663																																											
398	396	15.252	15.190	36.061	4.03					26.765	31.123	35.379	39.537	43.602	142.6	0.737																																											
450	448	14.428	14.360	35.935						26.850	31.225	35.496	39.669	43.748	135.7	0.810																																											
498	495	13.619	13.547	35.856	4.23					26.961	31.352	35.639	39.826	43.919	125.9	0.872																																											
548	545	12.924	12.847	35.771						27.038	31.444	35.744	39.945	44.050	119.4	0.934																																											
598	594	12.515	12.433	35.700	4.13					27.066	31.480	35.789	39.997	44.111	117.8	0.993																																											
650	646	11.718	11.632	35.621	3.63					27.160	31.590	35.915	40.139	44.268	109.4	1.052																																											
700	696	11.147	11.057	35.534	3.81					27.199	31.642	35.979	40.215	44.354	106.2	1.105																																											
798	793	9.669	9.575	35.380	3.52					27.340	31.816	36.185	40.451	44.620	93.0	1.204																																											
898	892	8.297	8.200	35.255	3.30					27.463	31.971	36.371	40.667	44.864	81.0	1.291																																											
1000	993	7.163	7.062	35.151	3.71					27.549	32.085	36.511	40.832	45.054	72.4	1.369																																											
1098	1090	6.649	6.542	35.129	4.10					27.604	32.152	36.590	40.924	45.156	67.7	1.438																																											
1196	1187	6.194	6.081	35.153	4.47					27.684	32.243	36.692	41.036	45.279	60.6	1.500																																											
1296	1285	5.871	5.750	35.183	4.62					27.750	32.317	36.774	41.125	45.375	55.0	1.558																																											
1398	1386	5.416	5.290	35.148	4.91					27.779	32.359	36.827	41.189	45.449	52.2	1.613																																											
1504	1491	5.089	4.956	35.124	5.14					27.800	32.388	36.865	41.234	45.503	50.5	1.667																																											
1996	1976	3.982	3.815	35.058	5.49					27.873	32.491	36.997	41.396	45.691	44.4	1.901																																											
2502	2474	3.188	2.984	35.014	5.63					27.919	32.560	37.088	41.508	45.823	40.2	2.115																																											

RESEARCHER										STATION 1									
LAT = 26 30.1 N LONG = 38 30.7 W 22/ 1/80 25 OBS.																			
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	m	deg C	deg C	o/oo	ml/l														
1	1	23.050	23.050	37.402						25.759	29.985	34.112	38.145	42.088	224.5	0.001			
49	49	23.090	23.080	37.439						25.779	30.004	34.131	38.163	42.105	224.9	0.111			
99	99	23.040	23.019	37.442						25.799	30.025	34.152	38.185	42.128	225.3	0.223			
149	149	20.630	20.601	36.998						26.141	30.405	34.569	38.637	42.615	194.6	0.328			
199	198	19.240	19.204	36.746						26.320	30.606	34.793	38.883	42.882	179.4	0.421			
249	248	17.830	17.787	36.495						26.487	30.798	35.008	39.121	43.142	165.0	0.507			
299	297	16.880	16.830	36.336						26.597	30.925	35.152	39.281	43.318	156.0	0.587			
399	397	15.160	15.098	36.067						26.790	31.150	35.408	39.567	43.633	140.2	0.735			
499	496	13.680	13.608	35.853						26.946	31.336	35.621	39.808	43.900	127.4	0.869			
598	595	12.290	12.209	35.667						27.084	31.503	35.816	40.029	44.147	115.8	0.990			
698	694	10.980	10.891	35.502						27.205	31.651	35.992	40.231	44.374	105.4	1.101			
798	793	9.700	9.606	35.357						27.317	31.792	36.160	40.426	44.595	95.3	1.201			
898	892	8.750	8.650	35.286						27.418	31.915	36.304	40.590	44.778	86.2	1.292			
998	991	7.350	7.248	35.151						27.523	32.054	36.476	40.793	45.011	75.3	1.372			
1098	1089	6.690	6.583	35.108						27.582	32.129	36.567	40.899	45.131	69.9	1.445			
1198	1188	5.940	5.829	35.073						27.653	32.219	36.675	41.025	45.274	62.7	1.511			
1298	1287	5.500	5.383	35.057						27.696	32.274	36.740	41.101	45.360	58.8	1.572			
1398	1386	5.270	5.145	35.068						27.733	32.317	36.789	41.155	45.419	55.9	1.629			
1498	1484	5.160	5.027	35.103						27.775	32.361	36.836	41.205	45.472	52.9	1.683			
1597	1583	4.910	4.770	35.095						27.798	32.392	36.873	41.248	45.520	51.1	1.735			
1697	1682	4.730	4.582	35.095						27.820	32.418	36.904	41.283	45.560	49.6	1.786			
1797	1780	4.460	4.306	35.078						27.837	32.442	36.935	41.321	45.605	47.9	1.834			
1997	1977	4.010	3.842	35.043						27.858	32.476	36.981	41.379	45.674	45.9	1.928			
2397	2370	3.410	3.213	34.993						27.881	32.516	37.038	41.452	45.762	44.1	2.108			
2497	2468	3.290	3.085	34.983						27.885	32.524	37.049	41.466	45.780	43.8	2.152			

STATION 1

RESFARCHEP		2	LAT = 26		7.0 N	LONG = 37 28.6 W		22/ 1/80	25 ORS.	STATION						2
pr	df	T	θ	S	OXY	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	
dbar	m	deg C	deg C	o/oo	ml/l											
1	1	22.827	22.822	37.344					25.782	30.011	34.142	38.178	42.124	222.4	0.001	
49	49	22.950	22.940	37.413					25.800	30.027	34.156	38.190	42.134	222.9	0.110	
99	99	22.920	22.899	37.410					25.809	30.037	34.166	38.201	42.145	224.3	0.221	
149	149	20.870	20.841	37.011					26.086	30.346	34.506	38.571	42.546	199.9	0.327	
199	198	19.510	19.473	36.802					26.292	30.574	34.756	38.842	42.837	182.1	0.423	
249	248	18.010	17.967	36.529					26.468	30.776	34.983	39.093	43.112	166.8	0.510	
299	297	17.060	17.010	36.365					26.576	30.901	35.124	39.251	43.285	158.0	0.591	
399	397	15.490	15.427	36.111					26.750	31.104	35.355	39.509	43.569	144.2	0.742	
499	496	14.050	13.976	35.905					26.909	31.291	35.570	39.749	43.835	131.3	0.879	
598	595	12.560	12.478	35.690					27.049	31.462	35.770	39.978	44.091	119.4	1.004	
698	694	11.190	11.100	35.529					27.187	31.630	35.966	40.201	44.339	107.4	1.118	
798	793	9.950	9.854	35.390					27.300	31.770	36.133	40.393	44.557	97.2	1.220	
898	892	8.530	8.431	35.242					27.417	31.920	36.315	40.606	44.798	85.8	1.311	
998	991	7.380	7.278	35.142					27.512	32.042	36.463	40.780	44.997	76.4	1.392	
1098	1089	6.640	6.533	35.121					27.599	32.147	36.586	40.919	45.152	68.2	1.464	
1198	1188	6.210	6.096	35.126					27.661	32.220	36.669	41.012	45.255	62.8	1.530	
1298	1287	5.760	5.640	35.128					27.720	32.291	36.751	41.104	45.357	57.4	1.590	
1398	1386	5.470	5.343	35.130					27.758	32.337	36.804	41.164	45.424	54.3	1.646	
1497	1484	5.210	5.076	35.141					27.799	32.384	36.857	41.224	45.490	50.9	1.698	
1597	1583	4.940	4.799	35.124					27.818	32.410	36.891	41.264	45.536	49.4	1.748	
1697	1682	4.670	4.523	35.103					27.833	32.432	36.920	41.300	45.579	48.1	1.797	
1797	1780	4.370	4.217	35.079					27.847	32.455	36.950	41.339	45.624	46.6	1.844	
1997	1977	3.920	3.754	35.042					27.867	32.487	36.994	41.394	45.691	44.7	1.935	
2397	2370	3.270	3.075	34.985					27.888	32.527	37.052	41.470	45.783	42.7	2.110	
2497	2468	3.170	2.967	34.977					27.891	32.533	37.062	41.482	45.799	42.5	2.153	

STATION 2

RESEARCHED		3	LAT = 25 43.9 N				LONG = 36 26.2 W				23/ 1/80	25 MRS.	STATION				3
PQ	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	
dbar	m	deg C	deg C	o/oo	ml/l												
1	1	22.490	22.490	36.753						25.429	29.666	33.405	37.849	41.802	255.9	0.001	
49	49	22.680	22.670	37.364						25.841	30.072	34.205	38.243	42.190	219.0	0.117	
99	99	22.670	22.650	37.373						25.853	30.085	34.218	38.256	42.204	220.1	0.227	
149	149	19.640	19.612	36.784						26.242	30.522	34.702	38.786	42.779	184.8	0.328	
199	198	18.450	18.415	36.567						26.385	30.685	34.885	38.988	43.000	172.9	0.417	
249	248	17.660	17.617	36.441						26.487	30.801	35.014	39.130	43.155	164.9	0.501	
299	297	17.120	17.070	36.363						26.560	30.884	35.106	39.232	43.265	159.6	0.582	
399	397	15.150	15.088	36.060						26.786	31.147	35.405	39.564	43.631	140.5	0.732	
499	496	13.730	13.658	35.861						26.942	31.331	35.615	39.801	43.892	127.9	0.866	
598	595	12.480	12.398	35.699						27.072	31.487	35.796	40.005	44.120	117.2	0.989	
698	694	11.300	11.210	35.554						27.187	31.626	35.960	40.193	44.329	107.6	1.101	
798	793	10.040	9.944	35.413						27.303	31.771	36.131	40.390	44.551	97.2	1.203	
898	892	8.650	8.550	35.276						27.425	31.925	36.317	40.605	44.795	85.3	1.294	
998	991	7.630	7.526	35.175						27.502	32.026	36.441	40.752	44.964	77.9	1.376	
1098	1089	6.670	6.563	35.108						27.584	32.132	36.570	40.903	45.136	69.6	1.449	
1198	1188	6.290	6.176	35.135						27.657	32.215	36.661	41.003	45.244	63.3	1.516	
1298	1287	5.890	5.769	35.131						27.706	32.274	36.730	41.081	45.331	59.1	1.577	
1398	1386	5.590	5.462	35.143						27.754	32.329	36.793	41.151	45.408	55.1	1.634	
1498	1484	5.290	5.155	35.140						27.789	32.372	36.843	41.208	45.472	52.1	1.687	
1597	1583	5.040	4.898	35.135						27.815	32.405	36.883	41.254	45.523	50.0	1.738	
1697	1682	4.800	4.651	35.127						27.837	32.433	36.917	41.295	45.570	48.2	1.788	
1797	1780	4.490	4.335	35.100						27.851	32.455	36.948	41.333	45.616	46.8	1.835	
1997	1977	3.950	3.783	35.050						27.870	32.489	36.996	41.395	45.691	44.6	1.926	
2397	2370	3.280	3.085	34.987						27.888	32.527	37.052	41.470	45.783	42.7	2.101	
2432	2405	3.240	3.042	34.984						27.890	32.530	37.056	41.475	45.789	42.6	2.116	

STATION 3

RESEARCHER		4	LAT = 25 21.4 N				LONG = 35 25.1 W				23/ 1/80	25 ORS.		STATION				4
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT		
dbar	m	deg C	deg C	o/oo	ml/l													
1	1	22.552	22.552	37.336						25.853	30.087	34.221	38.261	42.210	215.5	0.001		
49	49	22.570	22.560	37.381						25.885	30.118	34.252	38.292	42.241	214.8	0.106		
99	99	22.560	22.540	37.379						25.890	30.123	34.257	38.297	42.246	216.6	0.214		
149	149	20.350	20.322	36.934						26.168	30.436	34.605	38.678	42.660	192.0	0.316		
199	198	18.610	18.575	36.641						26.401	30.698	34.895	38.995	43.004	171.5	0.406		
249	248	17.600	17.557	36.461						26.517	30.832	35.046	39.163	43.188	162.0	0.490		
299	297	16.460	16.411	36.264						26.641	30.977	35.211	39.347	43.391	151.6	0.568		
399	397	14.830	14.769	36.016						26.823	31.190	35.454	39.619	43.690	136.8	0.712		
499	496	13.240	13.169	35.801						26.996	31.395	35.689	39.884	43.984	122.2	0.841		
598	595	12.030	11.950	35.641						27.114	31.538	35.857	40.075	44.197	112.7	0.959		
698	694	10.820	10.732	35.492						27.226	31.676	36.020	40.262	44.408	103.2	1.066		
798	793	9.700	9.606	35.378						27.333	31.809	36.177	40.442	44.610	93.7	1.165		
898	892	8.220	8.123	35.223						27.450	31.960	36.361	40.659	44.858	82.1	1.253		
998	991	7.310	7.209	35.164						27.539	32.071	36.493	40.811	45.030	73.7	1.330		
1098	1090	6.710	6.603	35.143						27.607	32.153	36.590	40.922	45.153	67.6	1.401		
1198	1188	6.210	6.096	35.149						27.679	32.238	36.686	41.030	45.272	61.1	1.465		
1298	1287	5.900	5.779	35.160						27.728	32.295	36.751	41.102	45.351	57.1	1.524		
1398	1386	5.620	5.492	35.166						27.769	32.343	36.806	41.163	45.419	53.8	1.580		
1498	1484	5.330	5.195	35.162						27.802	32.383	36.854	41.218	45.480	51.1	1.632		
1597	1583	5.070	4.928	35.152						27.825	32.414	36.891	41.261	45.530	49.2	1.682		
1697	1682	4.830	4.681	35.140						27.844	32.439	36.923	41.299	45.573	47.7	1.731		
1797	1780	4.540	4.384	35.115						27.858	32.461	36.951	41.335	45.617	46.4	1.778		
1997	1977	4.010	3.842	35.063						27.874	32.492	36.997	41.394	45.689	44.5	1.869		
2397	2370	3.330	3.134	34.995						27.890	32.527	37.051	41.467	45.779	42.8	2.043		
2427	2400	3.310	3.111	34.994						27.891	32.529	37.054	41.470	45.783	42.8	2.056		

STATION 4

RESEARCHER		5		LAT = 24 59.2 N		LONG = 34 24.0 W		23/ 1/80		25 OBS.		STATION				
PQ	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	m/l											
1	1	22.670	22.670	37.383						25.855	30.086	34.219	38.257	42.204	215.4	0.001
49	49	22.630	22.620	37.383						25.870	30.102	34.235	38.273	42.222	216.3	0.107
99	99	21.960	21.940	37.235						25.951	30.193	34.337	38.386	42.344	210.7	0.213
149	149	19.540	19.513	36.792						26.274	30.556	34.737	38.823	42.817	181.7	0.311
199	198	18.220	18.185	36.557						26.435	30.739	34.942	39.049	43.064	168.1	0.398
249	248	17.340	17.298	36.398						26.532	30.852	35.070	39.192	43.221	160.5	0.480
299	297	16.500	16.451	36.270						26.636	30.971	35.204	39.340	43.383	152.1	0.558
399	397	14.630	14.570	35.987						26.844	31.215	35.482	39.651	43.726	134.6	0.701
499	496	13.110	13.040	35.784						27.010	31.411	35.708	39.905	44.007	120.9	0.829
599	595	11.910	11.830	35.627						27.126	31.553	35.874	40.094	44.219	111.4	0.945
698	694	10.520	10.434	35.454						27.249	31.706	36.056	40.305	44.457	100.6	1.051
798	793	9.160	9.069	35.313						27.371	31.859	36.239	40.516	44.695	89.2	1.146
898	892	7.940	7.845	35.179						27.458	31.974	36.382	40.686	44.891	80.8	1.231
998	991	6.990	6.891	35.124						27.552	32.092	36.522	40.847	45.073	71.7	1.307
1098	1090	6.430	6.325	35.114						27.621	32.175	36.618	40.956	45.194	65.5	1.375
1198	1188	6.110	5.997	35.109						27.660	32.222	36.673	41.019	45.264	62.6	1.439
1298	1287	5.780	5.660	35.130						27.719	32.290	36.749	41.102	45.354	57.5	1.499
1398	1386	5.510	5.383	35.152						27.771	32.348	36.814	41.174	45.432	53.2	1.555
1498	1485	5.310	5.175	35.168						27.809	32.391	36.862	41.226	45.489	50.4	1.606
1598	1583	5.100	4.957	35.157						27.826	32.445	36.890	41.260	45.528	49.3	1.656
1697	1682	4.730	4.582	35.130						27.848	32.445	36.931	41.310	45.587	47.0	1.704
1797	1780	4.440	4.286	35.105						27.860	32.466	36.960	41.346	45.630	45.7	1.751
1997	1977	3.990	3.823	35.059						27.873	32.491	36.997	41.395	45.690	44.5	1.841
2397	2370	3.320	3.124	34.992						27.889	32.526	37.051	41.467	45.779	42.9	2.015
2432	2405	3.280	3.081	34.989						27.890	32.529	37.055	41.472	45.785	42.8	2.030

STATION 5

RESEARCHER		6	LAT = 24 35.8 N LONG = 33 24.0 W				24/ 1/80	25 DAS.	STATION 5							
PR	DE	T	θ	S	OXY	PHOS	SIL	M02	M+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
1	1	22.862	22.862	37.317						25.750	29.979	34.109	38.145	42.090	225.4	0.001
49	49	22.900	22.890	37.359						25.773	30.002	34.131	38.166	42.111	225.4	0.111
99	99	21.380	21.360	37.084						25.998	30.250	34.403	38.460	42.427	206.1	0.219
149	149	19.610	19.582	36.797						26.260	30.540	34.720	38.805	42.798	183.1	0.316
199	199	18.550	18.515	36.623						26.402	30.701	34.898	39.000	43.010	171.3	0.404
249	249	17.320	17.278	36.407						26.544	30.864	35.083	39.204	43.234	159.4	0.487
299	299	16.320	16.271	36.241						26.656	30.994	35.231	39.369	43.416	150.1	0.564
399	399	14.580	14.520	35.981						26.851	31.222	35.491	39.660	43.736	134.0	0.706
499	499	13.330	13.259	35.810						26.985	31.382	35.674	39.867	43.965	123.4	0.835
598	595	12.070	11.990	35.645						27.110	31.533	35.851	40.068	44.190	113.2	0.953
698	694	10.540	10.454	35.457						27.248	31.705	36.054	40.302	44.454	100.7	1.060
798	793	9.220	9.129	35.303						27.354	31.840	36.219	40.495	44.673	91.0	1.155
898	892	7.970	7.875	35.184						27.457	31.973	36.380	40.684	44.888	80.9	1.241
998	991	7.090	6.990	35.108						27.526	32.063	36.491	40.814	45.038	74.4	1.319
1098	1090	6.600	6.494	35.102						27.589	32.139	36.578	40.913	45.147	68.9	1.390
1198	1188	6.180	6.067	35.112						27.653	32.213	36.663	41.007	45.251	63.4	1.456
1298	1287	5.880	5.759	35.125						27.703	32.271	36.728	41.079	45.329	59.3	1.518
1398	1386	5.560	5.432	35.128						27.746	32.322	36.787	41.145	45.403	55.7	1.575
1498	1485	5.290	5.155	35.125						27.777	32.360	36.832	41.197	45.461	53.2	1.630
1597	1583	5.040	4.898	35.127						27.809	32.399	36.876	41.248	45.517	50.6	1.682
1697	1682	4.860	4.710	35.129						27.832	32.427	36.909	41.285	45.559	49.0	1.731
1797	1780	4.620	4.463	35.116						27.850	32.451	36.939	41.321	45.601	47.5	1.779
1997	1977	4.080	3.911	35.063						27.867	32.483	36.986	41.382	45.675	45.5	1.872
2397	2371	3.330	3.134	34.997						27.892	32.529	37.053	41.469	45.781	42.7	2.048
2437	2410	3.290	3.091	34.993						27.893	32.531	37.056	41.473	45.786	42.7	2.066

STATION 6	
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STATION 6

RESEAPCHER		7	LAT = 24 13.5 N		LONG = 32 22.0 W		24/ 1/80	25 OBS.	STATION							7
PQ	DE	T	A	S	OXY	PHOS	SIL	NO2	N+M	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
1	1	22.920	22.920	37.333						25.745	29.973	34.102	38.137	42.082	225.9	0.001
49	49	22.930	22.920	37.335						25.746	29.975	34.104	38.139	42.083	228.0	0.112
99	99	22.290	22.270	37.273						25.866	30.124	34.262	38.306	42.260	216.9	0.223
149	149	20.090	20.062	36.888						26.202	30.475	34.647	38.724	42.710	188.7	0.324
199	198	18.380	18.345	36.590						26.420	30.721	34.922	39.026	43.039	169.6	0.414
249	248	17.360	17.318	36.411						26.537	30.857	35.075	39.196	43.225	160.0	0.496
299	297	16.540	16.491	36.276						26.631	30.966	35.198	39.333	43.376	152.6	0.574
399	397	14.870	14.809	36.023						26.820	31.186	35.449	39.613	43.684	137.2	0.719
499	496	13.000	12.930	35.776						27.026	31.429	35.728	39.927	44.031	119.2	0.847
598	595	11.600	11.522	35.595						27.160	31.593	35.920	40.147	44.277	107.8	0.960
698	694	10.420	10.334	35.461						27.272	31.731	36.083	40.334	44.487	98.3	1.063
798	793	9.150	9.059	35.334						27.389	31.877	36.257	40.534	44.714	87.5	1.156
898	892	7.870	7.776	35.199						27.484	32.002	36.411	40.717	44.923	78.3	1.238
998	991	6.990	6.891	35.125						27.553	32.093	36.523	40.848	45.074	71.6	1.313
1098	1090	6.380	6.275	35.090						27.609	32.164	36.609	40.948	45.187	66.5	1.382
1198	1188	5.820	5.710	35.082						27.675	32.244	36.703	41.055	45.307	60.3	1.446
1298	1287	5.730	5.611	35.119						27.717	32.288	36.749	41.103	45.357	57.6	1.505
1398	1386	5.270	5.145	35.097						27.756	32.340	36.812	41.177	45.441	53.8	1.560
1498	1485	5.040	4.908	35.101						27.787	32.377	36.855	41.226	45.495	51.4	1.613
1598	1583	4.840	4.700	35.104						27.813	32.408	36.891	41.268	45.542	49.4	1.663
1697	1682	4.590	4.444	35.094						27.834	32.436	36.926	41.308	45.588	47.6	1.712
1797	1780	4.350	4.197	35.080						27.850	32.458	36.954	41.343	45.629	46.2	1.758
1997	1977	3.930	3.763	35.048						27.870	32.490	36.998	41.397	45.694	44.4	1.849
2397	2371	3.300	3.105	34.992						27.890	32.529	37.053	41.470	45.783	42.6	2.023
2497	2469	3.190	2.987	34.982						27.893	32.535	37.063	41.483	45.798	42.5	2.065

STATION 7

DESFAOCHER		a		LAT = 23 51.1 N		LONG = 31 23.2 W		24/ 1/80		25 RMS.		STATION		9	
pr	df	T	θ	δ	PHY	SIL	W02	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
char	m	deg C	deg C	o/oo	π/11										
1	1	22.420	22.420	37.328					25.985	30.120	34.257	38.298	42.249	212.5	0.001
49	49	22.390	22.380	37.333					25.900	30.136	34.273	38.315	42.267	213.3	0.105
99	99	22.150	22.130	37.285					25.935	30.175	34.315	38.361	42.316	212.2	0.211
149	149	19.150	19.123	36.730					26.329	30.617	34.804	38.896	42.896	176.5	0.308
199	199	17.790	17.756	36.481					26.484	30.795	35.006	39.120	43.141	163.4	0.393
249	249	17.090	17.048	36.361					26.564	30.888	35.111	39.237	43.270	157.4	0.473
299	299	16.050	16.002	36.195					26.683	31.027	35.268	39.411	43.462	147.4	0.549
399	399	14.280	14.221	35.937					26.881	31.259	35.533	39.708	43.789	130.9	0.688
499	499	12.980	12.910	35.773					27.027	31.431	35.730	39.930	44.034	119.1	0.813
598	598	11.890	11.811	35.629					27.132	31.559	35.880	40.101	44.226	110.9	0.928
698	698	10.380	10.294	35.440					27.263	31.723	36.076	40.327	44.482	99.1	1.033
798	798	9.040	8.950	35.287					27.370	31.861	36.244	40.524	44.705	89.1	1.127
898	898	7.890	7.795	35.172					27.460	31.978	36.387	40.692	44.898	80.6	1.211
998	998	7.000	6.901	35.100					27.532	32.072	36.502	40.827	45.052	73.6	1.288
1098	1098	6.440	6.335	35.072					27.587	32.140	36.584	40.922	45.160	68.8	1.359
1198	1198	5.920	5.809	35.064					27.648	32.215	36.672	41.022	45.271	63.1	1.425
1298	1298	5.650	5.532	35.076					27.693	32.266	36.729	41.086	45.342	59.6	1.487
1398	1398	5.260	5.136	35.084					27.747	32.331	36.803	41.169	45.434	54.6	1.544
1498	1498	5.030	4.898	35.093					27.782	32.372	36.850	41.222	45.491	51.8	1.597
1597	1597	4.770	4.631	35.088					27.809	32.405	36.890	41.268	45.544	49.6	1.647
1697	1697	4.510	4.365	35.073					27.826	32.430	36.922	41.307	45.589	48.0	1.696
1797	1797	4.350	4.197	35.069					27.841	32.450	36.946	41.334	45.621	47.0	1.744
1897	1897	3.940	3.773	35.040					27.863	32.483	36.990	41.389	45.686	45.1	1.836
2397	2371	3.330	3.134	34.992					27.888	32.525	37.049	41.465	45.777	43.1	2.012
2437	2410	3.280	3.081	34.988					27.989	32.528	37.054	41.471	45.785	42.9	2.029

STATION 8

LAT = 23 27.4 N LONG = 30 24.4 W										24/ 1/80	25 MAR.	STATION				9
PR	DE	T	θ	S	XY	PHOS	SIL	NO2	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
Abat	m	deg C	deg C	n/100	m/1											
1	1	22.370	22.370	37.339						25.908	30.144	34.280	38.323	42.275	210.4	0.001
49	49	22.360	22.350	37.336						25.911	30.147	34.284	38.327	42.279	212.3	0.104
99	99	20.160	20.141	36.898						26.189	30.460	34.631	38.707	42.692	187.9	0.204
149	149	18.600	18.563	36.652						26.387	30.683	34.878	38.977	42.984	170.8	0.294
199	199	17.530	17.496	36.441						26.517	30.833	35.048	39.166	43.192	160.1	0.376
249	249	16.750	16.709	36.308						26.604	30.935	35.163	39.295	43.334	153.4	0.455
299	299	15.780	15.732	36.157						26.716	31.064	35.310	39.458	43.514	144.2	0.529
399	399	14.140	14.081	35.920						26.898	31.278	35.555	39.733	43.816	129.2	0.665
499	499	12.720	12.651	35.733						27.048	31.458	35.762	39.966	44.076	116.8	0.788
599	599	11.310	11.233	35.553						27.182	31.621	35.954	40.186	44.322	105.5	0.899
698	694	10.040	9.956	35.404						27.294	31.761	36.122	40.380	44.541	95.7	1.000
798	793	8.620	8.532	35.248						27.406	31.907	36.299	40.588	44.778	85.0	1.090
898	892	7.360	7.269	35.120						27.496	32.026	36.448	40.765	44.982	76.1	1.170
998	991	6.660	6.563	35.078						27.561	32.109	36.547	40.880	45.113	70.1	1.243
1098	1092	6.120	6.017	35.068						27.625	32.187	36.638	40.983	45.228	64.3	1.310
1198	1198	5.780	5.670	35.081						27.679	32.250	36.709	41.063	45.315	59.8	1.373
1298	1287	5.490	5.373	35.090						27.723	32.301	36.767	41.128	45.387	56.3	1.430
1398	1386	5.210	5.086	35.088						27.756	32.341	36.815	41.182	45.447	53.6	1.485
1498	1485	4.910	4.779	35.081						27.786	32.379	36.860	41.235	45.508	51.0	1.538
1598	1583	4.820	4.681	35.098						27.811	32.406	36.890	41.267	45.541	49.6	1.588
1697	1682	4.580	4.434	35.091						27.833	32.435	36.925	41.308	45.588	47.7	1.636
1797	1780	4.330	4.177	35.077						27.850	32.459	36.955	41.344	45.631	46.2	1.683
1997	1977	3.840	3.675	35.036						27.870	32.492	37.002	41.404	45.703	44.0	1.773
2397	2371	3.240	3.046	34.986						27.891	32.531	37.057	41.476	45.790	42.2	1.946
2442	2415	3.190	2.982	34.982						27.894	32.535	37.064	41.483	45.799	41.9	1.965

STATION 9

RESEARCHED																10	LAT = 23 4.9 N LONG = 29 22.0 W 25/ 1/90 25 OBS.										STATION 10															
PR	DE	T	g	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																										
dbar	m	deg C	deg C	o/oo	ml/l																																					
1	1	22.554	22.554	37.105						25.678	29.912	34.048	38.089	42.039	232.3	0.001																										
49	49	22.610	22.600	37.339						25.842	30.074	34.208	38.247	42.196	218.9	0.111																										
99	90	21.710	21.690	37.176						25.976	30.223	34.370	38.423	42.384	208.3	0.218																										
149	149	19.580	19.552	36.812						26.279	30.560	34.741	38.825	42.819	181.3	0.315																										
199	198	18.530	18.495	36.624						26.408	30.707	34.905	39.007	43.017	170.8	0.403																										
249	248	17.010	16.968	36.355						26.578	30.904	35.128	39.255	43.290	156.0	0.495																										
299	297	15.940	15.892	36.182						26.698	31.044	35.287	39.432	43.485	145.9	0.560																										
399	397	13.920	13.862	35.894						26.924	31.309	35.590	39.772	43.859	126.6	0.696																										
499	496	12.450	12.382	35.699						27.075	31.490	35.800	40.010	44.124	114.0	0.816																										
598	595	11.070	10.994	35.521						27.201	31.645	35.983	40.221	44.361	103.4	0.925																										
698	694	9.590	9.509	35.346						27.325	31.802	36.173	40.440	44.611	92.1	1.022																										
798	793	8.180	8.095	35.189						27.428	31.939	36.341	40.639	44.839	82.2	1.109																										
898	892	7.310	7.219	35.115						27.499	32.031	36.453	40.772	44.990	75.7	1.188																										
998	991	6.550	6.454	35.051						27.554	32.105	36.546	40.882	45.117	70.5	1.261																										
1098	1090	6.080	5.978	35.048						27.614	32.177	36.629	40.976	45.222	65.2	1.329																										
1198	1189	5.810	5.700	35.070						27.667	32.237	36.695	41.048	45.300	61.0	1.392																										
1298	1287	5.590	5.472	35.096						27.716	32.291	36.755	41.113	45.370	57.2	1.451																										
1398	1386	5.290	5.165	35.103						27.759	32.341	36.813	41.178	45.442	53.6	1.506																										
1498	1485	4.980	4.849	35.099						27.793	32.384	36.863	41.236	45.507	50.7	1.559																										
1598	1583	4.690	4.552	35.079						27.810	32.409	36.896	41.276	45.554	49.1	1.608																										
1697	1682	4.410	4.266	35.057						27.824	32.431	36.925	41.313	45.597	47.8	1.657																										
1797	1780	4.200	4.049	35.052						27.844	32.456	36.956	41.348	45.638	46.1	1.704																										
1997	1977	3.820	3.655	35.022						27.861	32.484	36.994	41.396	45.696	44.8	1.795																										
2397	2371	3.340	3.144	34.993						27.888	32.525	37.048	41.464	45.776	43.1	1.970																										
2437	2410	3.280	3.081	34.990						27.891	32.530	37.055	41.473	45.786	42.8	1.987																										

STATION 10

QFSFARCHER																11	LAT = 22 41.8 N LONG = 28 22.0 W																25/ 1/80	25 DAS.	STATION 11															
PR	QF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	PR	QF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																	
dbar	m	deg C	deg C	o/oo	ml/l													dbar	m	deg C	deg C	o/oo	ml/l																											
1	1	22.416	22.416	37.187						25.779	30.015	34.152	38.195	42.147	222.6	0.001	49	40	22.400	22.390	37.307						25.878	30.114	34.250	38.292	42.244	215.5	0.108																	
																		99	99	20.880	20.861	37.021					26.088	30.348	34.508	38.573	42.547	197.5	0.211																	
																		149	140	18.930	18.903	36.709					26.369	30.661	34.852	38.947	42.950	172.6	0.304																	
																		199	194	17.770	17.736	36.490					26.495	30.807	35.018	39.132	43.154	162.2	0.387																	
																		249	248	16.510	16.469	36.275					26.636	30.970	35.203	39.339	43.381	150.3	0.465																	
																		299	297	15.660	15.613	36.139					26.729	31.080	35.328	39.478	43.536	142.8	0.538																	
																		399	397	13.880	13.822	35.888					26.928	31.314	35.595	39.778	43.866	126.2	0.673																	
																		499	496	12.510	12.462	35.708					27.071	31.484	35.793	40.001	44.114	114.5	0.793																	
																		599	595	11.150	11.074	35.527					27.191	31.634	35.970	40.206	44.345	104.4	0.902																	
																		698	694	9.630	9.548	35.341					27.314	31.791	36.160	40.427	44.597	93.1	1.001																	
																		798	793	8.320	8.234	35.211					27.424	31.931	36.330	40.626	44.822	82.8	1.089																	
																		898	892	7.060	6.971	35.060					27.491	32.029	36.458	40.782	45.006	75.9	1.168																	
																		998	991	6.420	6.325	35.034					27.558	32.112	36.556	40.895	45.133	69.8	1.241																	
																		1098	1090	6.050	5.948	35.041					27.613	32.176	36.629	40.977	45.223	65.3	1.308																	
																		1198	1189	5.750	5.641	35.065					27.670	32.242	36.702	41.056	45.309	60.5	1.371																	
																		1298	1287	5.430	5.314	35.079					27.722	32.301	36.769	41.131	45.391	56.2	1.429																	
																		1398	1386	5.290	5.165	35.108					27.762	32.345	36.817	41.182	45.446	53.3	1.484																	
																		1498	1485	5.020	4.898	35.103					27.791	32.381	36.859	41.231	45.501	50.9	1.536																	
																		1598	1583	4.750	4.612	35.090					27.812	32.410	36.895	41.274	45.550	49.1	1.586																	
																		1697	1682	4.480	4.335	35.076					27.832	32.437	36.929	41.314	45.597	47.4	1.634																	
																		1797	1781	4.250	4.098	35.060					27.845	32.456	36.954	41.346	45.634	46.3	1.681																	
																		1997	1977	3.870	3.704	35.030					27.862	32.484	36.993	41.394	45.692	44.9	1.772																	
																		2397	2371	3.370	3.173	34.994					27.886	32.522	37.045	41.460	45.771	43.5	1.949																	
																		2497	2469	3.270	3.065	34.985					27.889	32.528	37.054	41.471	45.785	43.4	1.992																	
																11	STATION 11																																	

STATION 11

LAT = 23 40.3 N LONG = 28 30.6 W 25/ 1/80 25 OBS.																	STATION
PR	RF	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	
char	m	deg C	deg C	o/100	ml/l												
1	1	22.000	22.000	37.193						25.902	30.144	34.287	38.335	42.293	210.9	0.001	
49	49	27.000	21.990	37.193						25.905	30.147	34.290	38.338	42.296	212.9	0.105	
99	99	21.960	21.940	37.185						25.913	30.156	34.299	38.348	42.307	214.3	0.211	
149	149	19.160	19.133	36.763						26.351	30.639	34.826	38.917	42.917	174.4	0.308	
199	199	17.890	17.856	36.531						26.497	30.807	35.015	39.127	43.148	162.1	0.392	
249	249	16.550	16.509	36.288						26.636	30.970	35.202	39.337	43.379	150.3	0.470	
299	299	15.360	15.313	36.096						26.764	31.120	35.374	39.529	43.592	139.4	0.542	
399	399	13.750	13.692	35.870						26.942	31.330	35.614	39.798	43.889	124.8	0.674	
499	499	12.590	12.522	35.713						27.059	31.471	35.778	39.985	44.096	115.7	0.794	
599	599	11.310	11.233	35.546						27.176	31.615	35.949	40.181	44.317	106.0	0.905	
698	698	9.930	9.847	35.401						27.310	31.780	36.143	40.404	44.567	94.0	1.005	
798	798	8.860	8.771	35.285						27.398	31.892	36.279	40.562	44.748	86.2	1.095	
898	898	7.690	7.597	35.168						27.486	32.008	36.422	40.732	44.942	77.7	1.177	
998	998	6.830	6.732	35.110						27.563	32.107	36.541	40.870	45.099	70.3	1.251	
1098	1098	6.400	6.295	35.114						27.625	32.179	36.624	40.963	45.201	65.1	1.318	
1198	1198	5.940	5.829	35.102						27.676	32.242	36.698	41.047	45.296	60.6	1.381	
1298	1298	5.640	5.522	35.109						27.720	32.294	36.757	41.113	45.369	57.0	1.440	
1398	1398	5.360	5.234	35.108						27.754	32.335	36.805	41.169	45.431	54.3	1.496	
1498	1498	5.130	4.997	35.117						27.789	32.377	36.852	41.221	45.489	51.5	1.548	
1598	1598	4.780	4.641	35.107						27.823	32.419	36.903	41.281	45.557	48.3	1.598	
1697	1697	4.530	4.384	35.084						27.833	32.436	36.927	41.311	45.593	47.5	1.646	
1797	1797	4.260	4.108	35.061						27.845	32.455	36.954	41.345	45.633	46.3	1.693	
1997	1997	3.940	3.775	35.031						27.866	32.488	36.998	41.400	45.699	44.4	1.784	
2397	2397	3.330	3.134	34.993						27.888	32.526	37.050	41.466	45.778	43.0	1.958	
2497	2497	3.190	2.987	34.980						27.892	32.533	37.061	41.481	45.797	42.6	2.001	

STATION 12

LAT = 24 42.1 N LONG = 28 40.0 W 26/ 1/80 25 OBS.																
REFSAPCHEP		13	STATION 13													
P2	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
1	1	20.912	20.912	27.359						18.748	23.066	27.283	31.403	35.430	895.5	0.005
49	49	21.670	21.660	37.251						26.042	30.288	34.436	38.488	42.450	199.8	0.271
99	99	21.000	20.981	37.087						26.105	30.363	34.521	38.584	42.556	195.9	0.370
149	149	18.990	18.963	36.732						26.371	30.662	34.852	38.946	42.948	172.4	0.462
199	199	17.720	17.686	36.484						26.503	30.816	35.027	39.142	43.165	161.5	0.545
249	249	16.530	16.489	36.279						26.634	30.968	35.201	39.336	43.378	150.5	0.623
299	299	15.550	15.503	36.125						26.743	31.096	35.346	39.498	43.557	141.4	0.696
399	399	14.030	13.971	35.907						26.911	31.294	35.572	39.752	43.838	127.9	0.830
499	499	12.700	12.631	35.729						27.049	31.459	35.764	39.969	44.078	116.7	0.953
598	598	11.460	11.382	35.579						27.174	31.610	35.940	40.169	44.302	106.4	1.064
698	698	10.060	9.976	35.409						27.294	31.761	36.121	40.379	44.540	95.7	1.165
798	798	8.960	8.771	35.269						27.385	31.880	36.267	40.550	44.736	87.4	1.256
898	898	7.760	7.666	35.170						27.477	31.998	36.410	40.718	44.927	78.6	1.339
998	998	7.090	6.990	35.144						27.554	32.091	36.519	40.842	45.065	71.8	1.414
1098	1098	6.620	6.513	35.153						27.627	32.175	36.614	40.948	45.181	65.5	1.483
1198	1198	6.320	6.205	35.173						27.683	32.240	36.685	41.026	45.266	61.0	1.546
1298	1298	6.010	5.888	35.185						27.734	32.298	36.751	41.099	45.346	56.9	1.605
1398	1398	5.690	5.561	35.179						27.770	32.343	36.804	41.159	45.413	53.9	1.660
1497	1495	5.390	5.254	35.170						27.801	32.381	36.850	41.212	45.473	51.4	1.713
1597	1583	5.060	4.918	35.152						27.826	32.415	36.893	41.263	45.532	49.1	1.763
1697	1682	4.750	4.602	35.125						27.841	32.439	36.924	41.302	45.579	47.7	1.812
1797	1780	4.450	4.296	35.101						27.856	32.462	36.955	41.341	45.625	46.1	1.858
1977	1977	4.020	3.952	35.062						27.872	32.490	36.995	41.392	45.686	44.7	1.949
2397	2371	3.270	3.075	34.987						27.889	32.528	37.054	41.471	45.785	42.6	2.123
2432	2405	3.240	3.042	34.984						27.890	32.530	37.056	41.475	45.789	42.6	2.138

STATION 13

REFSEARCHER		14	LAT = 25 39.9 N		LONG = 28 49.3 W		26/ 1/80	25 OBS.	STATION 14						
PQ	RF	T	θ	Σ	PHY	SIL	N02	N+N	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	
dhar	m	deg C	deg C	o/oo	mi/l										
1	1	21.440	21.440	37.240					26.095	30.345	34.495	38.551	42.516	192.6	0.001
49	49	21.440	21.430	37.238					26.096	30.346	34.497	38.552	42.517	194.7	0.096
99	99	21.450	21.430	37.238					26.096	30.346	34.496	38.552	42.517	196.9	0.193
149	149	19.240	19.213	36.752					26.322	30.609	34.795	38.885	42.884	177.1	0.287
199	198	18.140	18.105	36.559					26.457	30.762	34.966	39.074	43.091	166.1	0.372
249	248	16.990	16.948	36.355					26.583	30.909	35.134	39.261	43.296	155.5	0.453
299	297	16.210	16.162	36.222					26.667	31.007	35.246	39.386	43.434	149.0	0.528
399	397	14.180	14.121	35.922					26.891	31.271	35.546	39.723	43.806	129.9	0.668
499	496	12.830	12.761	35.750					27.040	31.447	35.749	39.951	44.058	117.8	0.791
598	595	11.580	11.502	35.589					27.159	31.593	35.920	40.147	44.278	107.9	0.904
698	694	10.360	10.275	35.452					27.276	31.736	36.090	40.341	44.496	97.8	1.007
798	793	8.990	8.900	35.311					27.397	31.889	36.272	40.553	44.736	86.5	1.099
898	892	8.360	8.262	35.306					27.494	32.000	36.398	40.692	44.887	78.3	1.181
998	991	7.380	7.278	35.211					27.566	32.096	36.516	40.832	45.049	71.4	1.256
1098	1090	6.730	6.622	35.184					27.636	32.182	36.618	40.949	45.180	64.9	1.324
1198	1188	6.390	6.275	35.199					27.695	32.249	36.693	41.032	45.270	60.2	1.387
1298	1287	6.290	6.165	35.243					27.744	32.301	36.747	41.088	45.328	56.9	1.445
1398	1386	5.690	5.561	35.186					27.776	32.348	36.809	41.165	45.419	53.4	1.500
1498	1484	5.400	5.264	35.176					27.804	32.384	36.853	41.215	45.476	51.1	1.552
1598	1583	5.170	5.026	35.171					27.829	32.415	36.889	41.257	45.523	49.3	1.602
1697	1682	4.930	4.779	35.159					27.848	32.440	36.921	41.295	45.567	47.8	1.651
1797	1780	4.510	4.355	35.109					27.856	32.460	36.952	41.336	45.618	46.4	1.698
1937	1977	3.990	3.823	35.061					27.875	32.493	36.998	41.396	45.692	44.3	1.789
2397	2370	3.300	3.105	34.993					27.891	32.529	37.054	41.471	45.784	42.6	1.962
2437	2410	3.250	3.052	34.988					27.892	32.532	37.058	41.476	45.790	42.5	1.979

STATION 14

LAT = 26 38.9 N LONG = 29 0.0 W										26/ 1/80	25 DRS.	STATION 15							
dbar	pc	nc	m	T	deg C	theta	S	oxy	PHOS	SIL	NO2	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
1	1			21.380	21.380	37.239							26.111	30.362	34.513	38.569	42.535	191.1	0.001
49	49			21.330	21.320	37.246							26.133	30.384	34.536	38.593	42.560	191.2	0.094
99	99			21.320	21.300	37.244							26.137	30.388	34.541	38.598	42.565	193.0	0.190
149	149			18.760	18.733	36.676							26.387	30.682	34.876	38.974	42.980	170.8	0.281
199	198			17.870	17.836	36.522							26.495	30.805	35.014	39.127	43.147	162.3	0.364
249	248			17.170	17.128	36.391							26.568	30.891	35.112	39.236	43.268	157.1	0.444
299	297			16.210	16.162	36.222							26.667	31.007	35.246	39.386	43.434	149.0	0.520
399	397			14.450	14.390	35.956							26.859	31.234	35.504	39.677	43.755	133.1	0.661
499	495			12.970	12.900	35.756							27.016	31.420	35.720	39.920	44.025	120.1	0.788
599	595			11.700	11.621	35.609							27.152	31.583	35.908	40.133	44.261	108.7	0.902
698	694			10.730	10.643	35.518							27.262	31.714	36.059	40.303	44.451	99.7	1.006
798	793			9.690	9.596	35.427							27.373	31.848	36.216	40.482	44.650	90.0	1.101
898	892			8.590	8.491	35.314							27.465	31.965	36.358	40.647	44.838	81.5	1.186
998	991			7.830	7.725	35.293							27.565	32.084	36.494	40.799	45.006	72.5	1.263
1098	1089			7.370	7.257	35.291							27.632	32.162	36.582	40.898	45.114	67.0	1.333
1198	1189			6.930	6.810	35.275							27.682	32.223	36.654	40.980	45.206	62.9	1.398
1298	1287			6.540	6.413	35.300							27.756	32.306	36.746	41.081	45.315	56.5	1.457
1398	1386			6.120	5.986	35.274							27.792	32.353	36.803	41.148	45.392	53.4	1.512
1498	1484			5.690	5.550	35.235							27.816	32.388	36.849	41.204	45.458	51.1	1.564
1598	1583			5.280	5.135	35.205							27.843	32.426	36.897	41.262	45.526	48.4	1.614
1697	1682			4.910	4.759	35.167							27.857	32.449	36.931	41.305	45.577	46.9	1.662
1797	1780			4.650	4.493	35.137							27.863	32.463	36.951	41.332	45.611	46.4	1.708
1997	1977			4.110	3.941	35.078							27.876	32.491	36.993	41.388	45.680	44.8	1.800
2397	2370			3.350	3.154	34.998							27.891	32.527	37.051	41.466	45.778	42.9	1.975
2497	2468			3.210	3.006	34.983							27.892	32.533	37.061	41.480	45.795	42.7	2.018

STATION 15

RESEARCHER		14	LAT = 27 38.8 N		LONG = 29 7.9 W		27/ 1/80	25 NRS.	STATION						
PR	NR	T	θ	S	OXY	PHOS	SIL	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l										
1	1	21.290	21.290	37.185					26.095	30.347	34.500	38.558	42.525	192.6	0.001
49	49	21.300	21.290	37.189					26.098	30.350	34.503	38.561	42.528	194.5	0.096
99	99	21.240	21.221	37.169					26.102	30.355	34.509	38.568	42.536	196.3	0.193
149	148	18.660	18.633	36.658					26.399	30.695	34.891	38.990	42.998	169.7	0.284
199	198	17.910	17.875	36.535					26.495	30.805	35.013	39.125	43.144	162.3	0.367
249	248	17.200	17.158	36.402					26.569	30.891	35.112	39.235	43.267	157.0	0.447
299	297	16.480	16.431	36.270					26.641	30.976	35.210	39.346	43.389	151.6	0.524
399	397	14.680	14.620	35.991					26.837	31.206	35.473	39.641	43.715	135.4	0.667
499	496	13.260	13.189	35.799					26.991	31.389	35.683	39.877	43.977	122.8	0.796
598	595	12.180	12.099	35.659					27.100	31.520	35.836	40.051	44.171	114.3	0.915
698	694	10.880	10.792	35.512					27.230	31.679	36.022	40.263	44.407	102.9	1.023
798	793	9.760	9.665	35.407					27.346	31.820	36.186	40.450	44.617	92.7	1.121
898	892	8.610	8.511	35.305					27.454	31.955	36.347	40.636	44.826	82.5	1.208
998	991	7.710	7.605	35.254					27.552	32.074	36.487	40.795	45.005	73.4	1.286
1098	1089	7.350	7.237	35.302					27.643	32.173	36.594	40.911	45.127	65.9	1.356
1198	1188	6.970	6.849	35.311					27.705	32.244	36.674	40.999	45.224	60.9	1.419
1298	1287	6.640	6.512	35.309					27.750	32.297	36.735	41.068	45.300	57.4	1.478
1398	1386	6.260	6.125	35.295					27.790	32.347	36.794	41.136	45.377	54.0	1.534
1498	1484	5.810	5.669	35.259					27.820	32.389	36.847	41.199	45.450	51.1	1.586
1598	1583	5.430	5.283	35.228					27.843	32.422	36.890	41.251	45.511	49.0	1.636
1697	1681	4.940	4.789	35.171					27.856	32.448	36.929	41.302	45.574	47.1	1.684
1797	1780	4.720	4.562	35.147					27.863	32.461	36.947	41.327	45.604	46.7	1.731
1997	1977	4.190	4.020	35.087					27.875	32.487	36.988	41.381	45.671	45.3	1.823
2397	2370	3.330	3.134	34.995					27.890	32.527	37.051	41.467	45.779	42.8	1.999
2447	2419	3.260	3.060	34.988					27.891	32.531	37.057	41.475	45.789	42.7	2.020

STATION 14

RESEARCHER		17	LAT = 28 39.1 N LONG = 29 16.9 W					27/ 1/80	25 DRS.	STATION 17						
PR	DF	T	θ	Σ	OXY	PHOS	SIL	NO2	N+W	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	"	deg C	deg C	o/oo	ml/l											
1	1	20.260	20.260	36.186						25.615	29.889	34.062	38.141	42.128	238.2	0.001
49	49	20.440	20.431	36.961						26.159	30.426	34.592	38.664	42.644	188.6	0.106
99	99	20.450	20.431	36.968						26.164	30.431	34.597	38.669	42.649	190.2	0.200
149	148	19.200	18.174	36.534						26.420	30.725	34.928	39.035	43.051	167.6	0.289
199	198	17.360	17.326	36.415						26.538	30.857	35.075	39.196	43.225	158.1	0.371
249	248	16.770	16.729	36.317						26.607	30.937	35.165	39.296	43.334	153.2	0.448
299	297	15.780	15.732	36.156						26.715	31.064	35.309	39.458	43.513	144.2	0.523
399	396	14.090	14.031	35.900						26.893	31.275	35.552	39.731	43.815	129.6	0.659
499	496	12.780	12.711	35.721						27.027	31.435	35.739	39.942	44.050	118.9	0.783
599	595	11.570	11.492	35.582						27.156	31.589	35.917	40.145	44.276	108.2	0.897
698	694	10.570	10.483	35.497						27.274	31.730	36.078	40.326	44.476	98.3	1.000
798	793	9.580	9.486	35.445						27.406	31.883	36.253	40.521	44.691	86.8	1.092
898	892	8.910	8.808	35.444						27.516	32.009	36.393	40.675	44.858	77.4	1.174
998	990	8.300	8.191	35.431						27.603	32.110	36.508	40.803	44.999	70.1	1.248
1098	1089	7.770	7.654	35.423						27.678	32.197	36.608	40.914	45.121	63.8	1.315
1198	1188	7.320	7.196	35.411						27.735	32.265	36.686	41.003	45.219	59.1	1.376
1298	1287	6.910	6.779	35.387						27.775	32.315	36.746	41.072	45.298	55.9	1.434
1398	1385	6.340	6.204	35.330						27.807	32.362	36.807	41.147	45.385	52.7	1.488
1498	1484	5.860	5.719	35.278						27.829	32.397	36.853	41.204	45.454	50.5	1.539
1598	1583	5.400	5.254	35.225						27.844	32.424	36.893	41.255	45.515	48.8	1.589
1697	1681	5.000	4.848	35.179						27.856	32.446	36.925	41.297	45.568	47.4	1.637
1797	1780	4.620	4.463	35.134						27.864	32.465	36.953	41.335	45.615	46.2	1.684
1997	1977	4.100	3.931	35.076						27.875	32.490	36.993	41.388	45.681	44.8	1.775
2397	2370	3.340	3.144	34.995						27.889	32.526	37.050	41.466	45.777	43.0	1.950
2432	2404	3.270	3.072	34.989						27.891	32.530	37.056	41.473	45.787	42.7	1.965

STATION 17

RESEARCHER		18	LAT = 29 37.2 N LONG = 29 27.4 W				27/ 1/80	25 DRS.	STATION 19								
PR	DE	T	θ	S	OXY	P405	SIL	N02	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	
dbar	m	deg C	deg C	o/oo	ml/l												
1	1	20.372	20.372	36.994						26.200	30.467	34.635	38.707	42.688	182.6	0.001	
49	49	20.310	20.301	36.992						26.218	30.486	34.654	38.727	42.709	183.0	0.090	
99	99	20.260	20.241	36.980						26.225	30.494	34.663	38.737	42.720	184.5	0.182	
149	148	17.790	17.764	36.489						26.488	30.799	35.009	39.123	43.145	161.1	0.268	
199	198	17.080	17.047	36.369						26.570	30.895	35.117	39.243	43.276	154.9	0.347	
249	248	16.330	16.290	36.247						26.656	30.994	35.230	39.369	43.415	148.3	0.423	
299	297	15.670	15.623	36.140						26.728	31.078	35.326	39.476	43.533	143.0	0.495	
399	396	14.010	13.951	35.892						26.904	31.287	35.566	39.746	43.832	128.6	0.631	
499	496	12.720	12.651	35.713						27.033	31.442	35.747	39.951	44.061	118.3	0.754	
599	595	11.690	11.611	35.594						27.143	31.574	35.899	40.124	44.253	109.6	0.868	
698	694	10.790	10.702	35.509						27.244	31.695	36.039	40.282	44.428	101.4	0.974	
798	793	9.760	9.665	35.459						27.386	31.860	36.226	40.490	44.656	88.9	1.069	
898	891	8.870	8.769	35.401						27.489	31.983	36.368	40.651	44.836	79.9	1.153	
998	990	7.940	7.834	35.337						27.583	32.099	36.506	40.809	45.013	71.0	1.228	
1098	1089	7.560	7.445	35.348						27.649	32.174	36.590	40.901	45.113	65.8	1.297	
1198	1188	7.210	7.087	35.360						27.710	32.244	36.667	40.987	45.206	61.0	1.360	
1298	1287	6.790	6.660	35.347						27.759	32.303	36.737	41.066	45.295	57.0	1.419	
1398	1385	6.410	6.273	35.320						27.790	32.344	36.787	41.125	45.362	54.5	1.475	
1498	1484	6.000	5.857	35.292						27.822	32.386	36.840	41.187	45.434	51.6	1.528	
1598	1583	5.620	5.471	35.252						27.839	32.413	36.876	41.233	45.489	50.1	1.578	
1698	1681	5.180	5.026	35.200						27.852	32.437	36.912	41.279	45.546	48.5	1.628	
1797	1780	4.880	4.720	35.166						27.860	32.454	36.936	41.312	45.585	47.6	1.676	
1997	1976	4.260	4.088	35.096						27.875	32.485	36.984	41.375	45.664	45.7	1.769	
2397	2370	3.440	3.242	35.005						27.888	32.522	37.043	41.456	45.766	43.7	1.948	
2442	2414	3.360	3.159	34.996						27.889	32.525	37.049	41.464	45.775	43.5	1.967	
		STATION 19															

RESEARCHER		19	LAT = 30 37.9 N LONG = 29 35.8 W					27/ 1/80	25 OAS.	STATION 19					
PR	DF	T	θ	S	OXY	SIL	N02	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l										
1	1	20.068	20.068	36.855					26.176	30.448	34.621	38.698	42.684	184.9	0.001
49	49	20.030	20.021	36.858					26.191	30.464	34.637	38.715	42.702	185.6	0.092
99	99	20.030	20.011	36.857					26.192	30.466	34.639	38.717	42.704	187.5	0.185
149	148	18.060	18.034	36.518					26.443	30.750	34.956	39.065	43.082	165.4	0.273
199	198	17.200	17.166	36.387					26.555	30.878	35.098	39.222	43.253	156.4	0.353
249	248	16.490	16.449	36.271					26.637	30.972	35.206	39.341	43.384	150.2	0.429
299	297	15.530	15.483	36.118					26.743	31.096	35.346	39.499	43.558	141.5	0.502
399	396	14.230	14.171	35.919					26.878	31.257	35.532	39.708	43.790	131.2	0.638
499	496	12.900	12.830	35.735					27.014	31.420	35.721	39.922	44.028	120.2	0.764
599	595	11.890	11.811	35.615					27.121	31.548	35.869	40.090	44.215	111.9	0.880
698	694	10.880	10.792	35.517					27.234	31.683	36.025	40.267	44.411	102.5	0.997
798	793	10.050	9.954	35.465					27.342	31.809	36.169	40.427	44.588	93.6	1.085
898	891	9.100	8.997	35.438					27.481	31.969	36.350	40.628	44.807	81.1	1.172
998	990	8.370	8.260	35.422					27.585	32.090	36.487	40.781	44.975	71.9	1.248
1098	1089	7.960	7.842	35.441					27.664	32.179	36.585	40.887	45.090	65.5	1.317
1198	1188	7.560	7.434	35.440					27.723	32.248	36.663	40.974	45.186	60.8	1.380
1298	1287	7.020	6.898	35.401					27.771	32.308	36.736	41.060	45.283	56.6	1.439
1398	1385	6.550	6.412	35.362					27.805	32.355	36.794	41.129	45.363	53.6	1.494
1498	1484	6.030	5.887	35.300					27.825	32.388	36.841	41.187	45.433	51.5	1.546
1598	1582	5.610	5.464	35.251					27.840	32.414	36.877	41.234	45.490	50.0	1.597
1697	1681	5.210	5.056	35.206					27.853	32.438	36.911	41.278	45.544	48.5	1.646
1797	1779	4.920	4.759	35.171					27.860	32.453	36.934	41.308	45.580	47.9	1.694
1997	1976	4.320	4.148	35.100					27.871	32.481	36.978	41.367	45.655	46.3	1.789
2397	2369	3.550	3.350	35.014					27.885	32.516	37.034	41.444	45.751	44.7	1.970
2497	2468	3.410	3.203	35.001					27.888	32.524	37.046	41.460	45.770	44.3	2.015

STATION 19

RESEARCHER		20	LAT = 31 36.4 N				LONG = 29 46.0 W				28/ 1/90	25 ORS.	STATION 20			
PR	DF	T	Q	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
1	1	19.416	19.416	32.386						22.944	27.254	31.464	35.577	39.597	492.8	0.002
49	49	19.440	19.431	36.745						26.260	30.543	34.726	38.813	42.809	179.0	0.166
99	99	19.290	19.272	36.738						26.296	30.582	34.767	38.856	42.854	177.6	0.255
149	148	17.640	17.614	36.465						26.506	30.820	35.033	39.149	43.173	159.3	0.339
199	198	16.790	16.757	36.330						26.610	30.939	35.167	39.297	43.335	151.1	0.417
249	248	15.890	15.850	36.181						26.707	31.054	35.297	39.443	43.496	143.3	0.490
299	297	15.320	15.273	36.092						26.770	31.127	35.381	39.537	43.600	138.8	0.561
399	396	13.640	13.582	35.838						26.940	31.330	35.616	39.803	43.896	124.9	0.692
499	495	12.590	12.522	35.712						27.058	31.470	35.777	39.984	44.096	115.8	0.813
599	595	11.680	11.601	35.607						27.155	31.586	35.911	40.136	44.265	108.5	0.925
698	694	10.800	10.712	35.527						27.256	31.707	36.051	40.293	44.439	100.3	1.029
798	792	9.960	9.864	35.488						27.375	31.844	36.206	40.465	44.628	90.3	1.124
898	891	9.190	9.087	35.482						27.501	31.987	36.365	40.641	44.818	79.4	1.209
998	990	8.630	8.519	35.467						27.580	32.079	36.470	40.757	44.947	72.9	1.285
1098	1089	8.120	8.001	35.471						27.663	32.174	36.577	40.875	45.075	66.0	1.354
1198	1188	7.640	7.513	35.457						27.725	32.248	36.661	40.970	45.180	60.9	1.418
1298	1286	7.050	6.918	35.399						27.765	32.302	36.729	41.052	45.275	57.3	1.477
1398	1385	6.470	6.332	35.347						27.804	32.356	36.797	41.133	45.369	53.5	1.532
1498	1484	5.830	5.689	35.276						27.831	32.399	36.857	41.208	45.459	50.2	1.584
1598	1582	5.290	5.145	35.204						27.841	32.423	36.895	41.260	45.523	48.7	1.633
1697	1681	5.010	4.858	35.175						27.852	32.442	36.920	41.292	45.562	47.8	1.681
1797	1779	4.750	4.592	35.151						27.863	32.460	36.946	41.324	45.601	46.8	1.729
1997	1976	4.190	4.020	35.082						27.871	32.484	36.984	41.377	45.667	45.7	1.821
2397	2369	3.320	3.124	34.984						27.882	32.520	37.044	41.460	45.773	43.5	1.999
2427	2399	3.300	3.102	34.983						27.884	32.522	37.047	41.464	45.777	43.5	2.012

STATION 20

RESEARCHER		21	LAT = 32 35.7 N				LONG = 29 53.9 W				28/ 1/80	25 ORS.	STATION 21			
PR	DF	T	θ	S	OXY	PHOS	SIL	M02	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
1	1	19.160	19.160	36.643						26.253	30.541	34.728	38.820	42.820	177.6	0.001
49	49	19.160	19.151	36.644						26.256	30.544	34.731	38.823	42.823	179.3	0.088
99	99	19.130	19.112	36.679						26.292	30.581	34.769	38.861	42.862	177.9	0.177
149	148	17.360	17.335	36.420						26.540	30.859	35.077	39.197	43.226	156.0	0.261
199	198	16.840	16.807	36.353						26.616	30.944	35.171	39.300	43.337	150.5	0.337
249	248	15.010	15.970	36.208						26.700	31.044	35.286	39.430	43.481	144.0	0.411
299	297	15.300	15.253	36.087						26.770	31.128	35.383	39.539	43.602	138.7	0.481
399	396	13.960	13.902	35.882						26.907	31.291	35.571	39.752	43.839	128.3	0.615
499	495	12.830	12.761	35.728						27.023	31.430	35.732	39.935	44.042	119.4	0.738
599	594	11.720	11.641	35.600						27.142	31.572	35.897	40.121	44.249	109.7	0.853
698	693	10.940	10.852	35.520						27.226	31.673	36.014	40.254	44.398	103.4	0.959
798	792	10.150	10.053	35.505						27.356	31.821	36.178	40.434	44.593	92.4	1.057
898	891	9.430	9.325	35.495						27.472	31.952	36.325	40.596	44.769	82.6	1.144
998	990	8.690	8.578	35.476						27.578	32.075	36.465	40.751	44.939	73.3	1.222
1098	1089	8.170	8.050	35.470						27.655	32.165	36.566	40.863	45.062	66.9	1.292
1198	1188	7.620	7.493	35.452						27.724	32.247	36.661	40.970	45.181	60.9	1.356
1298	1286	7.180	7.046	35.434						27.774	32.308	36.732	41.052	45.272	56.8	1.415
1398	1385	6.750	6.610	35.393						27.803	32.347	36.782	41.112	45.341	54.5	1.470
1498	1484	6.050	5.906	35.307						27.828	32.391	36.843	41.189	45.434	51.3	1.523
1598	1582	5.340	5.194	35.211						27.840	32.422	36.892	41.255	45.518	48.9	1.573
1698	1681	4.970	4.819	35.172						27.854	32.445	36.925	41.298	45.569	47.4	1.621
1797	1779	4.770	4.611	35.147						27.858	32.454	36.939	41.317	45.593	47.4	1.669
1997	1976	4.230	4.059	35.078						27.863	32.475	36.975	41.367	45.656	46.5	1.763
2397	2369	3.390	3.193	34.989						27.880	32.515	37.038	41.452	45.763	44.1	1.944
2497	2467	3.260	3.055	34.975						27.882	32.521	37.047	41.465	45.780	44.0	1.988

STATION 21

QFSEAQCCHER															22	LAT = 31 58.9 N LONG = 30 48.1 W					28/ 1/80	25 ORS.	STATION 22				
PR	NE	T	θ	S	PHY	SIL	N02	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT												
dbar	m	deg C	deg C	n/100	mi/1																						
1	1	19.650	19.650	36.766					26.219	30.498	34.677	38.761	42.754	180.9	0.001												
49	49	19.600	19.591	36.759					26.229	30.509	34.689	38.774	42.768	181.9	0.090												
99	99	19.570	19.552	36.754					26.235	30.516	34.697	38.782	42.776	183.4	0.181												
149	148	17.480	17.455	36.450					26.534	30.851	35.066	39.185	43.211	156.6	0.266												
199	198	16.730	16.697	36.321					26.617	30.948	35.176	39.308	43.347	150.4	0.342												
249	248	16.100	16.060	36.211					26.682	31.024	35.264	39.407	43.456	145.8	0.416												
299	297	15.430	15.383	36.103					26.753	31.109	35.361	39.515	43.576	140.4	0.488												
399	396	14.070	14.011	35.896					26.894	31.276	35.554	39.733	43.818	129.5	0.622												
499	495	12.880	12.811	35.717					27.004	31.410	35.712	39.913	44.020	121.2	0.748												
599	594	11.830	11.751	35.579					27.104	31.533	35.856	40.078	44.204	113.4	0.865												
698	693	10.950	10.862	35.499					27.208	31.655	35.996	40.236	44.379	105.1	0.974												
798	792	9.960	9.864	35.436					27.335	31.804	36.166	40.426	44.589	94.1	1.073												
898	891	9.250	9.146	35.443					27.460	31.945	36.323	40.597	44.774	83.3	1.162												
998	990	8.540	8.429	35.450					27.581	32.082	36.475	40.764	44.956	72.6	1.240												
1098	1089	7.970	7.852	35.460					27.677	32.192	36.597	40.899	45.102	64.3	1.308												
1198	1188	7.330	7.206	35.428					27.747	32.277	36.697	41.013	45.230	58.0	1.369												
1298	1286	6.990	6.858	35.399					27.773	32.312	36.740	41.065	45.289	56.3	1.426												
1398	1385	6.340	6.204	35.326					27.804	32.359	36.804	41.143	45.382	53.0	1.481												
1498	1484	5.900	5.759	35.276					27.822	32.389	36.845	41.195	45.444	51.3	1.533												
1598	1582	5.490	5.342	35.227					27.835	32.413	36.879	41.239	45.498	49.9	1.583												
1697	1681	5.160	5.006	35.188					27.845	32.431	36.906	41.274	45.541	49.1	1.633												
1797	1779	4.690	4.532	35.121					27.846	32.445	36.932	41.312	45.590	48.1	1.681												
1997	1976	4.240	4.069	35.070					27.856	32.468	36.967	41.359	45.648	47.3	1.777												
2397	2369	3.470	3.272	34.993					27.875	32.509	37.029	41.442	45.751	45.0	1.961												
2437	2408	3.430	3.228	34.990					27.877	32.512	37.034	41.447	45.757	44.9	1.979												

STATION 22

RESEARCHER		24	LAT = 30 46.9 N LONG = 32 32.6 W										29/ 1/80	25 DRS.	STATION 24			
PR	DF	T	B	S	OXY	PHOS	SIL	N02	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT		
dbar	m	deg C	deg C	o/oo	ml/l													
1	1	20.180	20.180	36.846						26.139	30.410	34.581	38.656	42.641	188.4	0.001		
49	49	20.180	20.171	36.846						26.141	30.412	34.584	38.659	42.644	190.3	0.094		
99	99	20.190	20.171	36.847						26.142	30.413	34.584	38.660	42.644	192.3	0.189		
149	148	18.010	17.984	36.505						26.445	30.753	34.960	39.070	43.088	165.1	0.278		
199	198	17.330	17.296	36.407						26.539	30.859	35.077	39.199	43.228	157.9	0.359		
249	248	16.800	16.759	36.320						26.602	30.931	35.159	39.289	43.327	153.7	0.437		
299	297	16.030	15.982	36.199						26.691	31.035	35.276	39.420	43.471	146.7	0.512		
399	396	14.440	14.380	35.946						26.854	31.228	35.499	39.672	43.750	133.6	0.652		
499	496	13.150	13.080	35.757						26.981	31.381	35.677	39.874	43.976	123.6	0.780		
599	595	12.140	12.059	35.631						27.086	31.507	35.824	40.040	44.160	115.5	0.899		
698	694	11.020	10.931	35.507						27.201	31.647	35.987	40.225	44.367	105.8	1.010		
798	793	9.900	9.805	35.439						27.347	31.818	36.181	40.442	44.606	92.8	1.109		
898	891	9.200	9.097	35.424						27.454	31.940	36.319	40.594	44.772	83.8	1.197		
998	990	8.500	8.390	35.412						27.557	32.060	36.454	40.744	44.936	74.8	1.276		
1098	1089	8.080	7.961	35.436						27.642	32.154	36.557	40.857	45.058	67.9	1.348		
1198	1188	7.700	7.573	35.439						27.702	32.223	36.636	40.944	45.152	63.2	1.413		
1298	1287	7.150	7.017	35.406						27.756	32.291	36.716	41.037	45.257	58.3	1.474		
1398	1385	6.490	6.352	35.341						27.796	32.348	36.789	41.125	45.360	54.2	1.530		
1498	1484	5.930	5.788	35.283						27.824	32.390	36.845	41.194	45.442	51.2	1.583		
1598	1582	5.500	5.352	35.231						27.837	32.414	36.880	41.240	45.499	49.8	1.633		
1697	1681	5.090	4.937	35.182						27.848	32.436	36.913	41.283	45.551	48.5	1.682		
1797	1779	4.750	4.592	35.143						27.857	32.454	36.940	41.318	45.595	47.4	1.730		
1997	1976	4.230	4.059	35.083						27.867	32.479	36.979	41.371	45.660	46.2	1.824		
2397	2369	3.440	3.242	34.996						27.881	32.515	37.036	41.449	45.759	44.4	2.005		
2442	2414	3.390	3.189	34.992						27.883	32.518	37.041	41.455	45.766	44.3	2.024		

STATION 24

RESEARCHER		25	LAT = 30 10.3 N LONG = 33 24.9 W				29/ 1/80	25 DRS.	STATION 25							
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
1	1	20.548	20.548	36.914						26.092	30.357	34.522	38.592	42.571	192.9	0.001
49	49	20.330	20.321	36.897						26.140	30.409	34.577	38.650	42.633	190.4	0.095
99	99	20.270	20.251	36.886						26.150	30.420	34.590	38.664	42.647	191.5	0.190
149	148	17.630	17.604	36.452						26.499	30.813	35.026	39.142	43.167	160.0	0.278
199	198	17.190	17.156	36.391						26.561	30.883	35.104	39.228	43.259	155.8	0.356
249	248	16.690	16.649	36.314						26.623	30.955	35.184	39.316	43.356	151.6	0.433
299	297	16.060	16.012	36.207						26.690	31.033	35.274	39.417	43.468	146.8	0.508
399	396	14.700	14.639	35.987						26.829	31.199	35.465	39.632	43.706	136.1	0.649
499	496	13.250	13.179	35.771						26.971	31.370	35.664	39.859	43.958	124.6	0.779
599	595	11.760	11.681	35.580						27.118	31.548	35.873	40.096	44.224	112.0	0.897
698	694	10.770	10.683	35.486						27.230	31.681	36.026	40.269	44.416	102.8	1.004
798	793	9.730	9.636	35.408						27.352	31.826	36.193	40.458	44.625	92.1	1.102
898	891	8.830	8.729	35.381						27.479	31.974	36.361	40.645	44.830	80.6	1.188
998	990	8.190	8.082	35.390						27.587	32.097	36.498	40.795	44.994	71.2	1.264
1098	1089	7.770	7.654	35.406						27.664	32.184	36.594	40.901	45.108	65.0	1.332
1198	1188	7.270	7.147	35.388						27.724	32.256	36.678	40.995	45.214	60.0	1.394
1298	1287	6.730	6.601	35.350						27.770	32.315	36.750	41.081	45.311	55.8	1.452
1398	1385	6.160	6.026	35.289						27.798	32.358	36.807	41.151	45.394	52.9	1.507
1498	1484	5.760	5.620	35.252						27.821	32.391	36.850	41.204	45.456	50.9	1.558
1598	1583	5.330	5.184	35.207						27.839	32.420	36.890	41.254	45.517	49.0	1.608
1697	1681	4.980	4.829	35.170						27.851	32.442	36.921	41.294	45.565	47.7	1.657
1797	1780	4.590	4.434	35.127						27.862	32.463	36.953	41.335	45.616	46.2	1.704
1997	1976	4.140	3.970	35.077						27.872	32.486	36.988	41.382	45.674	45.3	1.795
2397	2370	3.340	3.144	34.990						27.885	32.522	37.046	41.462	45.774	43.3	1.972
2497	2468	3.260	3.055	34.982						27.887	32.527	37.053	41.471	45.785	43.5	2.016

STATION 25

RESEARCHER		26	LAT = 29 33.1 N LONG = 34 15.7 W				30/ 1/80	25 OBS.	STATION 26							
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
1	1	20.948	20.948	36.986						26.038	30.296	34.455	38.519	42.492	198.0	0.001
49	49	20.930	20.920	36.985						26.044	30.303	34.463	38.527	42.500	199.5	0.098
99	99	20.790	20.771	36.953						26.061	30.322	34.484	38.550	42.526	200.1	0.198
149	148	18.210	18.184	36.540						26.422	30.727	34.930	39.037	43.052	167.4	0.290
199	198	17.480	17.446	36.425						26.517	30.834	35.050	39.169	43.195	160.1	0.371
249	248	16.650	16.609	36.291						26.615	30.947	35.178	39.311	43.351	152.4	0.449
299	297	15.870	15.822	36.163						26.700	31.047	35.291	39.438	43.491	145.7	0.524
399	396	14.740	14.679	35.991						26.824	31.192	35.458	39.625	43.698	136.7	0.665
499	496	13.660	13.588	35.824						26.928	31.318	35.604	39.791	43.884	129.1	0.797
599	595	12.150	12.069	35.625						27.079	31.501	35.817	40.033	44.153	116.2	0.920
698	694	11.010	10.921	35.503						27.200	31.646	35.986	40.225	44.367	105.9	1.031
798	793	9.770	9.675	35.394						27.334	31.808	36.174	40.438	44.605	93.8	1.130
898	891	8.880	8.779	35.381						27.471	31.965	36.351	40.634	44.818	81.5	1.218
998	990	8.220	8.112	35.384						27.578	32.087	36.488	40.784	44.982	72.2	1.295
1098	1089	7.630	7.515	35.388						27.671	32.194	36.607	40.917	45.127	64.0	1.363
1198	1188	7.170	7.048	35.381						27.732	32.267	36.691	41.011	45.231	58.9	1.424
1298	1287	6.470	6.343	35.324						27.784	32.336	36.777	41.114	45.349	53.7	1.480
1398	1385	5.940	5.808	35.267						27.809	32.374	36.829	41.178	45.426	51.2	1.533
1498	1484	5.520	5.382	35.220						27.825	32.401	36.867	41.226	45.484	49.7	1.583
1597	1583	5.130	4.987	35.181						27.841	32.428	36.904	41.272	45.539	48.0	1.632
1697	1681	4.820	4.671	35.147						27.851	32.446	36.930	41.306	45.581	47.1	1.680
1797	1780	4.490	4.335	35.112						27.861	32.465	36.957	41.342	45.625	45.9	1.726
1997	1976	4.030	3.862	35.062						27.871	32.488	36.993	41.390	45.684	44.8	1.817
2397	2370	3.360	3.164	34.993						27.886	32.522	37.046	41.461	45.772	43.4	1.993
2447	2419	3.300	3.100	34.988						27.888	32.526	37.051	41.468	45.781	43.3	2.015

STATION 26

RESEARCHER		27	LAT = 28 56.6 N LONG = 35 6.1 W 30/ 1/80 25 OBS.										STATION		27	
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
1	1	21.790	21.790	37.238						25.996	30.240	34.386	38.436	42.397	202.0	0.001
49	49	21.810	21.800	37.247						26.000	30.244	34.389	38.440	42.400	203.9	0.100
99	99	21.900	21.880	37.284						26.005	30.248	34.392	38.441	42.400	205.6	0.202
149	148	19.770	19.742	36.827						26.241	30.518	34.696	38.778	42.769	185.0	0.300
199	198	18.120	18.085	36.516						26.429	30.735	34.940	39.048	43.065	168.7	0.388
249	248	17.320	17.278	36.394						26.534	30.854	35.073	39.195	43.224	160.3	0.470
299	297	16.650	16.601	36.290						26.616	30.949	35.179	39.312	43.353	154.1	0.549
399	396	15.150	15.088	36.051						26.780	31.140	35.398	39.558	43.624	141.2	0.696
499	496	13.650	13.578	35.833						26.937	31.327	35.614	39.801	43.893	128.3	0.830
598	595	12.390	12.308	35.668						27.066	31.482	35.794	40.005	44.121	117.7	0.953
698	694	11.210	11.120	35.537						27.190	31.632	35.967	40.202	44.340	107.2	1.066
798	793	9.980	9.884	35.419						27.318	31.787	36.149	40.408	44.571	95.7	1.167
898	892	8.930	8.828	35.320						27.416	31.909	36.294	40.576	44.760	86.8	1.258
998	990	8.130	8.022	35.306						27.531	32.042	36.445	40.744	44.945	76.4	1.340
1098	1089	7.290	7.178	35.247						27.608	32.141	36.563	40.881	45.100	68.9	1.412
1198	1188	6.560	6.443	35.201						27.674	32.224	36.664	40.999	45.233	62.6	1.478
1298	1287	6.060	5.937	35.182						27.725	32.288	36.740	41.087	45.333	57.9	1.538
1398	1385	6.090	5.957	35.250						27.777	32.338	36.790	41.135	45.380	54.7	1.594
1498	1484	5.870	5.728	35.254						27.809	32.376	36.833	41.184	45.434	52.4	1.648
1597	1583	5.380	5.234	35.209						27.834	32.414	36.884	41.246	45.508	49.6	1.699
1697	1681	4.980	4.829	35.166						27.848	32.439	36.918	41.291	45.562	48.0	1.747
1797	1780	4.610	4.453	35.124						27.857	32.458	36.947	41.329	45.609	46.8	1.795
1997	1977	4.150	3.980	35.076						27.870	32.484	36.986	41.380	45.671	45.5	1.887
2397	2370	3.430	3.232	35.000						27.885	32.519	37.041	41.454	45.764	43.9	2.066
2422	2394	3.380	3.181	34.996						27.886	32.522	37.045	41.460	45.771	43.7	2.077

STATION 27

RESEARCHER		28	LAT = 28 19.7 N				LONG = 35 59.2 W				30/ 1/80	25	STATION				28
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	
dbar	m	deg C	deg C	o/oo	ml/l												
1	1	22.544	22.544	37.280						25.813	30.047	34.182	38.222	42.172	219.4	0.001	
49	49	22.010	22.000	37.271						25.961	30.203	34.345	38.393	42.350	207.5	0.106	
99	99	21.910	21.890	37.252						25.978	30.221	34.365	38.414	42.373	208.2	0.209	
149	148	19.110	19.083	36.685						26.304	30.593	34.782	38.874	42.876	178.8	0.306	
199	198	17.990	17.955	36.499						26.448	30.756	34.963	39.074	43.093	166.8	0.392	
249	248	17.570	17.527	36.434						26.504	30.819	35.034	39.152	43.177	163.3	0.474	
299	297	16.900	16.850	36.332						26.589	30.917	35.143	39.272	43.309	156.7	0.554	
399	396	15.450	15.387	36.097						26.748	31.103	35.355	39.510	43.571	144.4	0.704	
499	496	13.980	13.907	35.877						26.902	31.286	35.566	39.747	43.834	131.9	0.842	
598	595	12.370	12.288	35.664						27.067	31.484	35.795	40.007	44.123	117.6	0.967	
698	694	11.160	11.071	35.525						27.190	31.633	35.969	40.205	44.344	107.1	1.079	
798	793	10.060	9.964	35.428						27.311	31.778	36.139	40.397	44.557	96.4	1.181	
898	892	8.940	8.838	35.381						27.462	31.954	36.339	40.620	44.803	82.5	1.270	
998	990	8.170	8.062	35.367						27.572	32.083	36.484	40.782	44.981	72.6	1.348	
1098	1089	7.370	7.257	35.303						27.641	32.171	36.591	40.907	45.124	66.1	1.417	
1198	1188	6.870	6.750	35.295						27.706	32.248	36.680	41.007	45.235	60.5	1.480	
1298	1287	6.540	6.413	35.291						27.749	32.299	36.739	41.074	45.309	57.2	1.539	
1398	1385	6.050	5.917	35.260						27.789	32.352	36.804	41.151	45.396	53.4	1.594	
1498	1484	5.630	5.491	35.224						27.815	32.388	36.851	41.208	45.463	51.0	1.646	
1597	1583	5.280	5.135	35.194						27.834	32.417	36.889	41.254	45.517	49.2	1.696	
1697	1681	4.940	4.789	35.163						27.850	32.442	36.923	41.296	45.568	47.6	1.745	
1797	1780	4.660	4.503	35.132						27.858	32.458	36.945	41.326	45.605	46.9	1.792	
1997	1977	4.070	3.901	35.069						27.873	32.489	36.992	41.388	45.682	44.9	1.884	
2397	2370	3.360	3.164	34.994						27.886	32.523	37.046	41.461	45.773	43.3	2.060	
2497	2468	3.260	3.055	34.984						27.889	32.528	37.054	41.472	45.787	43.3	2.103	

STATION 28

RESEARCHER		29	LAT = 27 43.6 N				LONG = 36 49.1 W				30/ 1/80	25 NRS.	STATION 29			
PR	DE	T	θ	S	OYY	PHOS	SIL	N02	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
1	1	21.582	21.582	36.977						25.855	30.105	34.255	38.310	42.274	215.4	0.001
49	49	21.260	21.250	36.995						25.961	30.215	34.370	38.429	42.398	207.5	0.105
99	99	20.950	20.931	36.944						26.010	30.269	34.429	38.493	42.467	204.9	0.207
149	148	18.640	18.613	36.590						26.352	30.649	34.845	38.946	42.954	174.1	0.302
199	198	17.710	17.676	36.457						26.485	30.798	35.010	39.125	43.148	163.2	0.386
249	248	17.110	17.068	36.371						26.567	30.891	35.113	39.238	43.271	157.1	0.466
299	297	16.440	16.391	36.267						26.648	30.984	35.218	39.355	43.399	151.0	0.543
399	397	15.030	14.969	36.035						26.794	31.157	35.417	39.579	43.647	139.7	0.688
499	496	13.530	13.458	35.810						26.944	31.337	35.626	39.815	43.910	127.5	0.821
598	595	12.390	12.308	35.671						27.068	31.485	35.796	40.007	44.123	117.5	0.944
698	694	11.150	11.061	35.532						27.197	31.640	35.977	40.213	44.352	106.4	1.056
798	793	9.870	9.775	35.415						27.333	31.805	36.169	40.431	44.596	94.0	1.156
898	892	8.820	8.719	35.346						27.453	31.949	36.336	40.620	44.806	83.0	1.244
998	991	7.810	7.705	35.287						27.563	32.083	36.493	40.799	45.006	72.6	1.322
1098	1089	7.260	7.148	35.282						27.640	32.173	36.596	40.914	45.133	65.9	1.391
1198	1188	6.760	6.641	35.276						27.706	32.251	36.686	41.016	45.245	60.2	1.454
1298	1287	6.300	6.175	35.260						27.756	32.312	36.758	41.099	45.339	55.8	1.512
1398	1386	5.900	5.769	35.242						27.794	32.361	36.817	41.167	45.416	52.4	1.566
1498	1484	5.500	5.363	35.216						27.824	32.401	36.867	41.227	45.485	49.7	1.617
1598	1583	5.100	4.957	35.174						27.839	32.427	36.903	41.273	45.540	48.1	1.666
1697	1681	4.820	4.671	35.146						27.850	32.445	36.929	41.306	45.580	47.1	1.713
1797	1780	4.500	4.345	35.114						27.861	32.465	36.957	41.342	45.624	45.9	1.760
1997	1977	4.060	3.891	35.068						27.873	32.489	36.993	41.389	45.683	44.8	1.850
2397	2370	3.370	3.173	34.995						27.886	32.523	37.046	41.460	45.772	43.4	2.027
2437	2409	3.310	3.110	34.989						27.888	32.526	37.050	41.467	45.779	43.3	2.044

STATION 29

RESEARCHER	30	LAT = 27			5.8 N			LONG = 37 40.4 W			31/ 1/80			25 OBS.			STATION		
PR	DE	T	Ø	S	OXY	PHOS	SIL	NO2	N+N	SIG-Ø	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	m	deg C	deg C	o/oo	ml/l														
1	1	22.244	22.244	37.137						25.790	30.029	34.169	38.214	42.169	221.5	0.001			
49	49	21.870	21.860	37.108						25.877	30.121	34.267	38.317	42.277	215.5	0.108			
99	99	21.160	21.141	36.969						25.972	30.227	34.384	38.445	42.415	208.6	0.214			
149	149	18.430	18.404	36.569						26.389	30.690	34.889	38.993	43.005	170.6	0.309			
199	198	17.760	17.726	36.465						26.479	30.791	35.002	39.116	43.139	163.8	0.392			
249	248	17.280	17.238	36.397						26.546	30.867	35.086	39.208	43.239	159.2	0.472			
299	297	16.710	16.661	36.304						26.613	30.944	35.173	39.306	43.345	154.4	0.551			
399	397	14.990	14.929	36.025						26.795	31.159	35.420	39.582	43.651	139.6	0.697			
499	496	13.700	13.628	35.838						26.930	31.320	35.605	39.791	43.883	128.9	0.831			
599	595	12.310	12.229	35.660						27.075	31.493	35.806	40.019	44.136	116.7	0.954			
698	694	10.870	10.782	35.504						27.226	31.675	36.018	40.259	44.404	103.3	1.064			
798	793	9.410	9.317	35.347						27.357	31.839	36.213	40.485	44.659	91.0	1.161			
898	892	8.110	8.014	35.217						27.462	31.975	36.378	40.678	44.880	80.8	1.247			
998	991	7.360	7.258	35.167						27.534	32.065	36.486	40.803	45.020	74.3	1.324			
1098	1089	6.400	6.295	35.108						27.620	32.175	36.619	40.958	45.196	65.5	1.394			
1198	1188	6.160	6.047	35.154						27.689	32.249	36.699	41.043	45.287	60.0	1.457			
1298	1287	5.810	5.690	35.154						27.735	32.304	36.762	41.115	45.366	56.2	1.515			
1398	1386	5.430	5.304	35.135						27.796	32.384	36.861	41.231	45.500	50.7	1.621			
1498	1484	5.080	4.948	35.118						27.814	32.409	36.893	41.270	45.545	49.3	1.671			
1597	1583	4.820	4.681	35.102						27.831	32.435	36.927	41.311	45.594	47.6	1.720			
1697	1681	4.500	4.355	35.077						27.845	32.452	36.947	41.335	45.621	46.9	1.767			
1797	1780	4.380	4.227	35.077						27.866	32.485	36.991	41.390	45.686	45.0	1.859			
1997	1977	3.970	3.803	35.048						27.886	32.522	37.046	41.461	45.772	43.4	2.035			
2397	2370	3.360	3.164	34.993						27.886	32.524	37.048	41.464	45.776	43.4	2.048			
2427	2400	3.330	3.131	34.990															

STATION 30

RESEARCHER		32	LAT = 26 38.3 N LONG = 37 26.5 W										31/ 1/80	25 DRS.	STATION				33
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	m	deg C	deg C	o/oo	ml/l														
1	1	22.784	22.784	37.332						25.784	30.014	34.145	38.181	42.128	222.2	0.001			
49	49	22.490	22.480	37.303						25.849	30.083	34.219	38.260	42.210	218.2	0.109			
99	99	22.110	22.090	37.180						25.867	30.107	34.249	38.296	42.252	218.7	0.218			
149	149	19.380	19.353	36.699						26.245	30.530	34.714	38.803	42.800	184.4	0.318			
199	198	18.350	18.315	36.576						26.417	30.719	34.920	39.025	43.038	169.9	0.407			
249	248	17.190	17.148	36.390						26.562	30.885	35.105	39.229	43.261	157.6	0.488			
299	297	16.330	16.281	36.247						26.658	30.996	35.232	39.371	43.417	149.9	0.565			
399	397	14.890	14.829	36.016						26.810	31.176	35.438	39.603	43.673	138.1	0.709			
499	496	13.420	13.349	35.802						26.960	31.355	35.646	39.838	43.934	125.8	0.841			
598	595	12.130	12.050	35.635						27.091	31.513	35.829	40.045	44.166	115.0	0.961			
698	694	10.840	10.752	35.486						27.217	31.667	36.011	40.253	44.398	104.0	1.070			
798	793	9.480	9.387	35.349						27.347	31.828	36.200	40.471	44.643	92.0	1.168			
898	892	8.210	8.113	35.220						27.449	31.960	36.361	40.659	44.858	82.2	1.255			
998	991	7.090	6.990	35.111						27.528	32.066	36.493	40.817	45.040	74.2	1.333			
1098	1089	6.500	6.394	35.094						27.596	32.148	36.590	40.927	45.163	68.0	1.404			
1198	1188	6.120	6.007	35.122						27.669	32.230	36.681	41.027	45.271	61.8	1.469			
1298	1287	5.860	5.739	35.143						27.720	32.288	36.745	41.096	45.347	57.7	1.529			
1398	1386	5.460	5.333	35.131						27.760	32.339	36.806	41.167	45.427	54.0	1.585			
1498	1484	5.090	4.957	35.117						27.794	32.382	36.859	41.229	45.497	50.9	1.637			
1597	1583	4.870	4.730	35.106						27.812	32.406	36.888	41.264	45.537	49.7	1.688			
1697	1682	4.680	4.533	35.104						27.832	32.432	36.919	41.299	45.577	48.2	1.736			
1797	1780	4.430	4.276	35.086						27.846	32.452	36.946	41.333	45.617	46.9	1.784			
1997	1977	4.010	3.842	35.052						27.865	32.483	36.988	41.386	45.681	45.3	1.876			
2397	2370	3.330	3.134	34.990						27.886	32.523	37.048	41.463	45.776	43.2	2.053			
2437	2409	3.280	3.081	34.985						27.887	32.526	37.051	41.469	45.782	43.1	2.070			

STATION 32

RESEARCHER	33	LAT = 26 44.5 N LONG = 34 26.2 W				1/ 2/80	25 045.	STATION 33							
PR	DE	T	θ	S	OXY	SIL	NO2	M+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l										
1	1	22.390	22.390	37.330					25.895	30.131	34.267	38.310	42.261	211.6	0.001
49	49	22.170	22.160	37.320					25.953	30.192	34.332	38.377	42.332	208.3	0.104
99	99	22.150	22.130	37.317					25.960	30.199	34.339	38.385	42.340	209.9	0.208
149	149	21.990	21.960	37.274					25.975	30.217	34.360	38.408	42.366	210.7	0.313
199	199	19.150	19.114	36.694					26.303	30.592	34.780	38.872	42.872	180.9	0.411
249	249	17.950	17.907	36.497					26.458	30.768	34.975	39.087	43.106	167.7	0.498
299	299	17.140	17.090	36.369					26.560	30.884	35.106	39.231	43.263	159.6	0.579
399	399	15.530	15.467	36.115					26.744	31.097	35.348	39.501	43.561	144.8	0.731
499	499	13.740	13.667	35.846					26.928	31.317	35.601	39.787	43.878	129.2	0.868
598	598	12.500	12.418	35.679					27.053	31.467	35.776	39.985	44.099	118.0	0.992
698	698	11.260	11.170	35.532					27.177	31.618	35.952	40.186	44.323	108.5	1.106
798	798	9.790	9.695	35.377					27.317	31.791	36.157	40.421	44.587	95.4	1.207
898	898	8.290	8.193	35.219					27.436	31.945	36.345	40.641	44.838	83.5	1.297
998	998	7.210	7.109	35.132					27.528	32.062	36.487	40.808	45.028	74.5	1.376
1098	1098	6.540	6.434	35.111					27.604	32.155	36.596	40.932	45.167	67.4	1.447
1198	1198	6.320	6.205	35.175					27.685	32.241	36.687	41.027	45.267	60.9	1.511
1298	1298	5.790	5.670	35.146					27.731	32.301	36.759	41.112	45.364	56.5	1.569
1398	1398	5.480	5.353	35.143					27.768	32.345	36.812	41.172	45.431	53.5	1.624
1498	1498	5.220	5.086	35.139					27.796	32.381	36.854	41.221	45.486	51.2	1.676
1597	1597	5.000	4.858	35.134					27.819	32.410	36.888	41.261	45.531	49.5	1.727
1697	1697	4.680	4.532	35.114					27.840	32.439	36.927	41.307	45.585	47.5	1.775
1797	1797	4.430	4.276	35.094					27.853	32.459	36.953	41.339	45.623	46.3	1.822
1997	1997	3.980	3.813	35.054					27.870	32.489	36.995	41.393	45.688	44.7	1.913
2397	2397	3.310	3.114	34.989					27.887	32.525	37.050	41.466	45.779	43.0	2.088
2497	2497	3.200	2.997	34.979					27.890	32.531	37.059	41.479	45.794	42.8	2.131

STATION 33

RESFAOCHER		34	LAT = 26 52.9 N LONG = 35 23.2 W										1/ 2/80	25 MAR.	STATION 34			
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	M+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT		
dbar	m	deg C	deg C	o/oo	ml/l													
1	1	21.868	21.868	37.232						25.969	30.213	34.357	38.407	42.366	204.6	0.001		
49	49	21.750	21.740	37.239						26.010	30.256	34.402	38.453	42.414	202.8	0.101		
99	99	21.710	21.690	37.231						26.018	30.264	34.411	38.463	42.425	204.3	0.202		
149	149	19.680	19.652	36.806						26.248	30.528	34.707	38.790	42.782	184.2	0.299		
199	198	18.340	18.305	36.578						26.421	30.723	34.924	39.029	43.042	169.5	0.387		
249	248	17.480	17.438	36.423						26.517	30.835	35.050	39.170	43.197	162.0	0.470		
299	297	16.750	16.700	36.306						26.605	30.935	35.164	39.296	43.335	155.2	0.549		
349	347	15.190	15.128	36.066						26.782	31.142	35.399	39.558	43.623	140.9	0.697		
499	496	13.640	13.568	35.854						26.955	31.346	35.632	39.819	43.912	126.5	0.831		
598	595	12.510	12.428	35.702						27.069	31.483	35.791	40.000	44.114	117.6	0.953		
698	694	11.190	11.100	35.535						27.192	31.634	35.970	40.205	44.344	106.9	1.065		
798	793	9.830	9.735	35.383						27.315	31.788	36.153	40.416	44.582	95.6	1.166		
898	892	8.550	8.451	35.277						27.442	31.944	36.338	40.628	44.820	83.6	1.255		
998	991	7.480	7.377	35.178						27.526	32.053	36.472	40.786	45.001	75.3	1.335		
1098	1089	6.800	6.692	35.128						27.583	32.127	36.562	40.892	45.121	70.1	1.407		
1198	1188	6.380	6.265	35.132						27.643	32.198	36.643	40.982	45.221	64.9	1.475		
1298	1287	6.080	5.957	35.144						27.693	32.255	36.707	41.054	45.299	60.9	1.538		
1398	1386	5.890	5.759	35.188						27.753	32.320	36.776	41.127	45.377	56.2	1.596		
1498	1484	5.670	5.531	35.196						27.816	32.361	36.822	41.178	45.433	53.6	1.651		
1597	1583	5.290	5.145	35.173						27.835	32.399	36.871	41.236	45.499	50.9	1.703		
1697	1681	5.000	4.848	35.152						27.852	32.452	36.904	41.276	45.547	49.3	1.753		
1797	1780	4.660	4.503	35.125						27.871	32.485	36.940	41.321	45.600	47.4	1.802		
1997	1977	4.150	3.980	35.077						27.888	32.523	37.045	41.380	45.672	45.5	1.894		
2397	2370	3.410	3.213	35.002						27.891	32.531	37.057	41.459	45.769	43.5	2.072		
2497	2468	3.260	3.055	34.987									41.475	45.789	43.1	2.115		

STATION 34

RESEARCHER		35	LAT = 26 50.5 N LONG = 34 21.4 W										1/ 2/80	25 OBS.	STATION 35			
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT		
dbar	m	deg C	deg C	o/oo	ml/l													
1	1	22.036	22.036	36.824						25.612	29.855	34.000	38.049	42.009	238.5	0.001		
49	49	21.650	21.640	37.187						25.999	30.246	34.394	38.447	42.409	203.9	0.109		
99	99	21.640	21.620	37.198						26.013	30.260	34.408	38.461	42.424	204.8	0.211		
149	149	18.930	18.903	36.657						26.329	30.621	34.813	38.908	42.912	176.4	0.306		
199	199	17.860	17.826	36.486						26.470	30.781	34.990	39.103	43.124	164.7	0.392		
249	249	17.080	17.038	36.376						26.578	30.902	35.125	39.251	43.284	156.1	0.472		
299	297	16.450	16.401	36.274						26.651	30.987	35.221	39.357	43.401	150.7	0.549		
399	397	14.940	14.879	36.038						26.816	31.181	35.442	39.605	43.675	137.6	0.692		
499	496	13.390	13.319	35.793						26.960	31.355	35.647	39.839	43.936	125.9	0.824		
599	595	12.090	12.010	35.630						27.094	31.517	35.835	40.052	44.173	114.6	0.944		
698	694	11.200	11.110	35.534						27.189	31.631	35.967	40.202	44.341	107.2	1.054		
798	793	9.780	9.685	35.388						27.328	31.801	36.167	40.431	44.598	94.4	1.155		
898	892	8.490	8.391	35.269						27.445	31.948	36.343	40.635	44.828	83.2	1.244		
998	991	7.680	7.576	35.234						27.541	32.063	36.477	40.786	44.997	74.4	1.322		
1098	1089	7.010	6.900	35.206						27.615	32.154	36.584	40.908	45.133	67.6	1.393		
1198	1188	6.430	6.314	35.182						27.676	32.230	36.673	41.011	45.248	62.0	1.458		
1298	1287	6.010	5.888	35.171						27.723	32.287	36.741	41.088	45.335	57.9	1.519		
1398	1386	5.860	5.729	35.193						27.760	32.328	36.786	41.137	45.387	55.4	1.575		
1498	1484	5.500	5.363	35.173						27.790	32.367	36.834	41.194	45.452	52.8	1.629		
1597	1583	5.120	4.977	35.154						27.821	32.408	36.884	41.253	45.521	49.8	1.680		
1697	1681	4.890	4.740	35.140						27.838	32.431	36.913	41.288	45.561	48.6	1.729		
1797	1780	4.630	4.473	35.118						27.850	32.451	36.939	41.321	45.600	47.5	1.777		
1997	1977	4.110	3.941	35.071						27.870	32.485	36.988	41.383	45.675	45.3	1.870		
2397	2370	3.420	3.222	35.003						27.888	32.523	37.045	41.458	45.768	43.6	2.047		
2497	2468	3.280	3.075	34.989						27.891	32.530	37.056	41.473	45.786	43.3	2.091		

STATION 35

RESEARCHER		36	LAT = 27		7.0 N	LONG = 33 18.1 W	1/ 2/80	25 MAR.	STATION							33
PR	DF	T	θ	σ	OXY	PHOS	SIL	NO2	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
1	1	21.502	21.502	37.087						25.961	30.211	34.362	38.417	42.382	205.3	0.001
49	49	21.250	21.240	37.082						26.030	30.284	34.438	38.497	42.466	200.9	0.100
99	99	21.300	21.281	37.134						26.059	30.311	34.465	38.523	42.491	200.4	0.200
149	149	18.690	18.663	36.610						26.355	30.651	34.846	38.945	42.953	173.9	0.294
199	198	18.050	18.015	36.563						26.482	30.789	34.995	39.104	43.122	163.6	0.378
249	248	17.250	17.208	36.397						26.553	30.874	35.094	39.217	43.248	158.5	0.458
299	297	16.430	16.381	36.263						26.647	30.984	35.218	39.355	43.399	151.0	0.536
399	397	14.620	14.560	35.982						26.843	31.214	35.481	39.650	43.725	134.8	0.678
499	496	13.150	13.080	35.783						27.001	31.401	35.697	39.894	43.995	121.7	0.806
599	595	12.090	12.010	35.652						27.111	31.534	35.851	40.068	44.190	113.0	0.924
698	694	10.990	10.901	35.532						27.226	31.672	36.013	40.251	44.394	103.4	1.032
798	793	9.670	9.575	35.399						27.355	31.831	36.199	40.465	44.634	91.7	1.129
898	892	8.320	8.222	35.292						27.489	31.996	36.395	40.690	44.886	78.7	1.214
998	991	7.640	7.536	35.251						27.560	32.083	36.498	40.808	45.019	72.5	1.290
1098	1089	6.820	6.712	35.211						27.645	32.189	36.623	40.951	45.180	64.3	1.358
1198	1188	6.270	6.156	35.180						27.695	32.253	36.700	41.041	45.282	59.7	1.420
1298	1287	6.060	5.937	35.221						27.756	32.319	36.770	41.117	45.362	55.0	1.478
1398	1386	5.910	5.778	35.245						27.795	32.362	36.817	41.167	45.416	52.4	1.531
1498	1484	5.580	5.442	35.222						27.819	32.394	36.858	41.216	45.472	50.4	1.582
1597	1583	5.310	5.165	35.206						27.840	32.422	36.893	41.257	45.520	48.8	1.632
1697	1681	4.950	4.799	35.166						27.851	32.443	36.923	41.297	45.568	47.6	1.680
1797	1780	4.570	4.414	35.127						27.864	32.466	36.956	41.339	45.620	46.0	1.727
1997	1977	3.990	3.823	35.064						27.877	32.495	37.001	41.399	45.694	44.1	1.817
2397	2370	3.300	3.105	34.993						27.891	32.529	37.054	41.471	45.784	42.6	1.990
2437	2409	3.260	3.061	34.989						27.892	32.531	37.058	41.475	45.789	42.6	2.007

STATION 36

3A LAT = 27 22.3 N LONG = 31 12.0 W 2/ 2/80 25 OAS.																STATION 3A	
PR	DE	I	θ	Σ	QXY	PHOS	SIL	N02	N+M	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	
dbar	m	deg c	deg c	o/oo	ml/l												
1	1	21.670	21.670	37.220						26.016	30.262	34.409	38.462	42.424	200.1	0.001	
49	49	21.590	21.580	37.241						26.057	30.304	34.453	38.506	42.469	198.4	0.099	
99	99	21.560	21.540	37.243						26.069	30.318	34.466	38.521	42.484	199.4	0.198	
149	149	18.720	18.693	36.663						26.388	30.683	34.877	38.976	42.983	170.8	0.290	
199	199	17.770	17.736	36.494						26.498	30.810	35.021	39.135	43.157	162.0	0.373	
249	249	16.900	16.948	36.351						26.590	30.906	35.131	39.258	43.293	155.8	0.452	
299	297	16.160	16.112	36.218						26.675	31.017	35.256	39.397	43.446	148.2	0.528	
399	397	14.560	14.500	35.971						26.847	31.219	35.488	39.658	43.734	134.3	0.669	
499	496	13.160	13.089	35.789						27.003	31.404	35.699	39.895	43.997	121.5	0.797	
599	595	12.070	11.990	35.652						27.115	31.538	35.856	40.073	44.195	112.6	0.914	
698	694	10.940	10.952	35.518						27.224	31.672	36.013	40.253	44.396	103.5	1.022	
798	793	9.630	9.536	35.381						27.347	31.824	36.194	40.461	44.630	92.3	1.120	
898	892	8.420	8.322	35.277						27.462	31.967	36.363	40.656	44.851	81.4	1.207	
998	991	7.750	7.645	35.245						27.539	32.060	36.472	40.780	44.988	74.7	1.285	
1098	1097	7.090	6.979	35.229						27.622	32.159	36.586	40.908	45.131	67.2	1.355	
1198	1188	6.810	6.691	35.258						27.685	32.229	36.663	40.991	45.220	62.2	1.420	
1298	1287	6.480	6.353	35.256						27.729	32.281	36.723	41.059	45.295	58.8	1.481	
1398	1386	6.160	6.026	35.256						27.772	32.332	36.782	41.126	45.369	55.3	1.538	
1498	1484	5.910	5.768	35.261						27.809	32.376	36.831	41.181	45.430	52.5	1.591	
1598	1583	5.590	5.441	35.243						27.836	32.411	36.874	41.232	45.488	50.3	1.643	
1697	1681	5.210	5.056	35.201						27.849	32.434	36.907	41.275	45.540	48.9	1.692	
1797	1780	4.800	4.641	35.156						27.861	32.457	36.942	41.319	45.594	47.2	1.740	
1997	1977	4.280	4.108	35.098						27.874	32.484	36.982	41.373	45.661	45.8	1.833	
2397	2370	3.410	3.213	35.004						27.890	32.525	37.047	41.461	45.771	43.3	2.011	
2427	2400	3.390	3.180	35.000						27.890	32.526	37.049	41.463	45.774	43.4	2.024	

STATION 38

LAT = 27 29.7 N LONG = 30 10.3 W 2/ 2/90 25 OMS.															STATION 39	
PR	DE	T	Q	S	PHY	SIL	N02	N+N	SIG-A	SIG-1	SIG-2	SIG-3	SIG-4	ANDM	HEIGHT	
dbar	m	deg C	deg C	g/100	ml/l											
1	1	21.638	21.638	37.239					26.039	30.286	34.433	38.486	42.448	197.9	0.001	
49	49	21.580	21.570	37.252					26.088	30.316	34.464	38.518	42.481	197.4	0.098	
99	99	21.370	21.350	37.214					26.100	30.351	34.503	38.560	42.526	196.5	0.196	
149	149	20.540	20.511	37.006					26.172	30.437	34.602	38.672	42.651	191.7	0.293	
199	199	18.300	18.265	36.592					26.442	30.744	34.946	39.051	43.065	167.5	0.382	
249	249	17.360	17.318	36.417					26.542	30.861	35.079	39.200	43.229	159.6	0.464	
299	299	16.640	16.591	36.290					26.618	30.951	35.182	39.315	43.356	153.8	0.542	
399	399	14.800	14.739	36.013					26.827	31.195	35.459	39.625	43.697	136.4	0.687	
499	499	13.440	13.369	35.815					26.966	31.361	35.651	39.842	43.939	125.3	0.818	
599	599	12.100	12.020	35.650					27.108	31.530	35.848	40.064	44.185	113.4	0.937	
698	694	11.110	11.021	35.543					27.213	31.657	35.994	40.231	44.371	104.9	1.046	
798	793	9.810	9.715	35.434					27.358	31.831	36.196	40.459	44.625	91.6	1.144	
898	892	8.870	8.769	35.356					27.463	31.948	36.334	40.617	44.802	83.1	1.231	
998	991	8.260	8.151	35.326					27.527	32.035	36.435	40.731	44.929	77.0	1.311	
1098	1099	7.650	7.525	35.332					27.625	32.148	36.562	40.872	45.083	68.3	1.384	
1198	1189	7.070	6.949	35.316					27.695	32.232	36.660	40.982	45.205	62.0	1.449	
1298	1287	6.740	6.611	35.325					27.749	32.294	36.729	41.059	45.289	57.8	1.509	
1398	1386	6.310	6.174	35.299					27.787	32.343	36.789	41.129	45.368	54.5	1.565	
1498	1484	5.830	5.689	35.255					27.815	32.383	36.841	41.192	45.443	51.7	1.618	
1597	1583	5.420	5.273	35.219					27.837	32.417	36.885	41.246	45.507	49.5	1.669	
1697	1681	5.080	4.927	35.185					27.851	32.440	36.917	41.287	45.555	48.1	1.717	
1797	1780	4.720	4.562	35.147					27.863	32.461	36.947	41.327	45.604	46.7	1.765	
1997	1977	4.230	4.059	35.091					27.874	32.485	36.985	41.377	45.666	45.6	1.857	
2397	2370	3.370	3.173	35.000					27.890	32.527	37.050	41.464	45.775	43.1	2.034	
2432	2404	3.330	3.131	34.995					27.890	32.528	37.052	41.468	45.780	43.1	2.049	

STATION 39

RESEARCHED																40	LAT = 27 39.1 N LONG = 29 6.8 W																3/ 2/80	25 DRS.	STATION 40															
PR	DF	T	A	S	QXY	PHOS	SIL	N02	N+N	SIG-A	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	PR	DF	T	A	S	QXY	PHOS	SIL	N02	N+N	SIG-A	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																	
1	1	21.202	21.202	37.141						26.096	30.340	34.494	38.553	42.522	193.5	0.001	49	49	21.030	21.020	37.074						26.085	30.342	34.499	38.561	42.533	195.7	0.096																	
										26.119	30.382	34.546	38.614	42.591	194.6	0.193	99	99	20.560	20.641	36.983						26.413	30.716	34.918	39.023	43.037	168.3	0.284																	
149	148	18.290	18.264	36.554						26.509	30.824	35.037	39.154	43.178	160.9	0.366	199	198	17.620	17.586	36.460						26.592	30.919	35.143	39.271	43.306	154.7	0.445																	
										26.671	31.011	35.249	39.389	43.436	148.7	0.521	249	248	16.960	16.918	36.357						26.671	31.011	35.249	39.389	43.436	148.7	0.521																	
299	297	16.230	16.182	36.233						26.836	31.206	35.472	39.640	43.714	135.5	0.663	399	397	14.690	14.629	35.993						26.983	31.381	35.675	39.869	43.969	123.5	0.792																	
										27.091	31.510	35.823	40.036	44.154	115.2	0.911	499	496	13.270	13.199	35.792						27.091	31.510	35.823	40.036	44.154	115.2	0.911																	
598	595	12.290	12.209	35.676						27.226	31.671	36.010	40.248	44.389	103.6	1.020	698	694	11.040	10.951	35.543						27.344	31.816	36.180	40.442	44.607	93.0	1.119																	
										27.459	31.955	36.343	40.628	44.814	82.5	1.206	798	793	9.850	9.755	35.424						27.459	31.955	36.343	40.628	44.814	82.5	1.206																	
898	892	8.790	8.699	35.347						27.544	32.063	36.472	40.778	44.985	74.5	1.284	998	991	7.840	7.735	35.268						27.544	32.063	36.472	40.778	44.985	74.5	1.284																	
										27.633	32.163	36.585	40.901	45.118	66.8	1.355	1098	1099	7.340	7.227	35.287						27.633	32.163	36.585	40.901	45.118	66.8	1.355																	
1198	1188	6.940	6.820	35.298						27.699	32.239	36.670	40.995	45.221	61.3	1.419	1298	1287	6.650	6.522	35.315						27.699	32.239	36.670	40.995	45.221	61.3	1.419																	
										27.753	32.301	36.738	41.070	45.302	57.1	1.478	1398	1386	6.230	6.095	35.294						27.753	32.301	36.738	41.070	45.302	57.1	1.478																	
1498	1484	5.870	5.728	35.265						27.793	32.351	36.799	41.141	45.382	53.6	1.533	1598	1583	5.460	5.313	35.225						27.793	32.351	36.799	41.141	45.382	53.6	1.533																	
1598	1583	5.460	5.313	35.225						27.817	32.385	36.841	41.192	45.442	51.6	1.585	1697	1681	5.070	4.917	35.196						27.817	32.385	36.841	41.192	45.442	51.6	1.585																	
1697	1681	5.070	4.917	35.196						27.837	32.415	36.882	41.243	45.503	49.6	1.637	1797	1780	4.800	4.641	35.157						27.837	32.415	36.882	41.243	45.503	49.6	1.637																	
										27.853	32.442	36.919	41.289	45.558	47.9	1.685	1897	1877	4.410	4.247	35.124						27.853	32.442	36.919	41.289	45.558	47.9	1.685																	
1997	1977	4.110	3.941	35.080						27.862	32.458	36.942	41.320	45.595	47.1	1.733	2097	2077	3.740	3.571	35.049						27.862	32.458	36.942	41.320	45.595	47.1	1.733																	
2397	2370	3.320	3.124	34.995						27.877	32.492	36.995	41.390	45.682	44.7	1.824	2497	2477	3.030	2.861	34.920						27.877	32.492	36.995	41.390	45.682	44.7	1.824																	
2437	2409	3.250	3.052	34.989						27.891	32.529	37.053	41.469	45.781	42.7	1.999										27.891	32.529	37.053	41.469	45.781	42.7	1.999																		
										27.893	32.533	37.059	41.477	45.791	42.4	2.016											27.893	32.533	37.059	41.477	45.791	42.4	2.016																	

STATION 40

REFSEA00CHER																	41	LAT = 27 40.2 N LONG = 29 12.0 W																	3/ 2/80			25 0005.			STATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
PR	DF	T	Q	S	OXY	PHOS	SIL	NO2	N+M	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

RESEARCHER															42	LAT = 27 41.5 N				LONG = 27 17.5 W				3/ 2/80		25 MAR.		STATION		42																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
PR	DF	T	g	S	PHY	SIL	N02	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

STATION 42

RESEARCHED																	43	LAT = 27 42.9 N LONG = 26 18.4 W										3/ 2/80	25 MAR.	STATION 43			
PR	DBAR	DE	T	A	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																
m		deg C	deg C	deg C	o/oo	ml/l																											
1	1	20.778	20.778	37.074							26.151	30.412	34.572	38.638	42.613	187.3	0.001																
49	49	20.690	20.680	37.102							26.199	30.461	34.623	38.690	42.666	184.8	0.092																
99	99	20.620	20.601	37.087							26.209	30.472	34.636	38.704	42.681	186.0	0.144																
149	148	18.530	18.504	36.648							26.424	30.723	34.920	39.022	43.032	167.2	0.273																
199	194	17.600	17.566	36.492							26.539	30.853	35.067	39.184	43.208	158.1	0.354																
249	248	16.440	16.399	36.278							26.654	30.990	35.224	39.361	43.405	148.5	0.430																
299	297	15.450	15.403	36.118							26.761	31.115	35.367	39.521	43.582	139.8	0.502																
399	397	13.900	13.842	35.891							26.926	31.311	35.592	39.775	43.862	126.4	0.635																
499	496	12.650	12.581	35.727							27.058	31.468	35.774	39.980	44.090	115.9	0.756																
599	595	11.630	11.552	35.606							27.163	31.595	35.922	40.148	44.278	107.6	0.868																
698	694	10.570	10.493	35.500							27.276	31.732	36.081	40.328	44.478	98.1	0.971																
798	793	9.400	9.307	35.398							27.399	31.880	36.255	40.526	44.700	87.1	1.063																
898	892	8.550	8.451	35.355							27.503	32.004	36.397	40.687	44.879	77.9	1.145																
998	991	8.000	7.893	35.344							27.580	32.094	36.500	40.802	45.004	71.5	1.220																
1098	1089	7.530	7.416	35.341							27.648	32.174	36.590	40.902	45.115	65.9	1.289																
1198	1188	7.250	7.127	35.362							27.706	32.239	36.661	40.980	45.198	61.5	1.352																
1298	1287	6.830	6.700	35.359							27.764	32.306	36.739	41.067	45.295	56.7	1.411																
1398	1386	6.380	6.243	35.325							27.798	32.352	36.796	41.135	45.373	53.7	1.466																
1498	1484	5.810	5.669	35.268							27.827	32.396	36.854	41.206	45.457	50.5	1.519																
1598	1583	5.300	5.155	35.210							27.844	32.427	36.898	41.262	45.525	48.4	1.568																
1697	1681	4.840	4.730	35.163							27.857	32.450	36.932	41.307	45.581	46.8	1.615																
1797	1780	4.650	4.493	35.145							27.869	32.469	36.957	41.338	45.617	45.8	1.662																
1997	1977	4.130	3.960	35.081							27.876	32.491	36.993	41.387	45.679	44.9	1.752																
2397	2370	3.330	3.134	34.996							27.891	32.528	37.052	41.468	45.780	42.8	1.927																
2427	2399	3.290	3.092	34.993							27.892	32.531	37.056	41.473	45.786	42.6	1.940																

STATION 43

OCEANUS 7R		106	LAT = 24 55.0 N				LONG = 34 30.0 W		17/ 3/90	20 HRS.	SONIC DEPTH= 5841m				STATION 106	
PR	DF	T	deg C	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C														
228	227	18.200	19.160	36.574	4.66					26.454	30.759	34.962	39.069	43.085	167.4	0.191
287	286	16.760	16.712	36.333	4.52					26.623	30.953	35.181	39.312	43.351	153.1	0.286
319	318	16.030	15.979	36.205	4.26					26.696	31.040	35.281	39.425	43.476	146.9	0.335
373	371	15.070	15.012	36.068	4.24					26.809	31.172	35.431	39.591	43.659	137.4	0.410
398	394	14.720	14.660	36.013	4.16					26.845	31.214	35.479	39.646	43.720	134.7	0.445
449	447	14.030	13.964	35.914	4.37					26.918	31.301	35.580	39.759	43.845	128.8	0.512
499	496	13.200	13.129	35.810	4.38					27.011	31.411	35.706	39.901	44.001	120.8	0.574
549	546	12.560	12.485	35.722	4.03					27.073	31.486	35.793	40.001	44.113	115.8	0.634
601	597	11.860	11.780	35.632	4.14					27.140	31.567	35.889	40.111	44.236	110.1	0.692
698	694	10.500	10.414	35.468	3.82					27.264	31.721	36.071	40.320	44.472	99.2	0.794
799	794	9.520	9.427	35.231	3.80					27.471	31.984	36.387	40.687	44.888	89.4	0.889
897	891	8.120	8.024	35.149	4.12					27.554	32.090	36.517	40.840	45.062	79.9	0.972
1004	997	7.120	7.019	35.156	4.86					27.718	32.284	36.739	41.088	45.336	72.0	1.053
1256	1246	5.950	5.833	35.152	5.44					27.810	32.396	36.869	41.237	45.503	57.6	1.216
1501	1488	5.190	5.056	35.114	5.82					27.860	32.463	36.955	41.339	45.621	49.8	1.348
1754	1738	4.510	4.359	35.114	5.79										45.6	1.469
2008	1988	3.830	3.665	34.980	6.15										44.3	1.583
2486	2458	3.150	2.948	34.905	6.11										42.0	1.789
4020	3961	2.450	2.101	34.884	6.38										45.1	2.457
5715	5611	2.450	1.888												54.0	3.297

STATION 106

OCEANUS 78		107	LAT = 25 19.0 N		LONG = 35 30.0 W		17/ 3/80	20 JRS.	SONIC DEPTH= 5320m				STATION 107		
PR	DE	T	θ	S	OXY	PHOS	SIL	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l										
6	6	21.820	21.819	37.318	5.07				26.048	30.292	34.437	38.486	42.446	197.3	0.006
94	94	21.760	21.741	37.311	4.98				26.065	30.310	34.455	38.506	42.467	199.7	0.181
145	145	19.760	19.733	36.894	4.68				26.294	30.572	34.749	38.831	42.821	179.7	0.279
195	195	18.010	17.976	36.508	4.63				26.450	30.758	34.964	39.075	43.093	166.5	0.366
244	243	17.480	17.438	36.445	4.44				26.534	30.851	35.067	39.186	43.213	160.2	0.445
297	296	16.260	16.212	36.235	4.33				26.665	31.005	35.242	39.382	43.429	149.1	0.527
347	346	15.250	15.196	36.085	4.41				26.782	31.140	35.396	39.554	43.618	139.3	0.600
398	396	14.420	14.360	35.996	4.21				26.897	31.271	35.542	39.715	43.793	129.5	0.667
445	443	13.910	13.845	35.913	4.18				26.943	31.328	35.608	39.790	43.878	126.3	0.728
496	494	13.310	13.239	35.820	4.25				26.997	31.394	35.687	39.880	43.978	122.2	0.792
557	554	12.610	12.533	35.730	4.17				27.069	31.481	35.788	39.994	44.106	116.4	0.864
606	603	12.020	11.939	35.655	3.96				27.127	31.552	35.870	40.088	44.211	111.7	0.920
704	700	10.790	10.702	35.503	3.48				27.240	31.690	36.035	40.278	44.424	102.0	1.025
794	789	9.690	9.596	35.379	3.35				27.336	31.811	36.179	40.445	44.614	93.4	1.112
895	889	8.290	8.193	35.231	3.44				27.446	31.954	36.354	40.650	44.847	82.6	1.201
1000	993	7.070	6.970	35.130	3.85				27.546	32.084	36.512	40.835	45.059	72.5	1.283
1244	1234	6.150	6.032	35.165	4.55				27.700	32.260	36.710	41.055	45.299	59.7	1.444
1502	1489	5.270	5.135	35.162	5.30				27.809	32.392	36.864	41.229	45.493	50.3	1.586
1745	1729	4.670	4.518	35.130	5.72				27.855	32.454	36.941	41.322	45.600	46.6	1.704
2002	1982	4.080	3.911	35.078	5.84				27.879	32.495	36.998	41.394	45.687	44.4	1.821

STATION 107

OCEANUS 7A		108	LAT = 25 42.0 N			LONG = 36 31.0 W			18/ 3/80	22 OBS.	SONIC DEPTH= 5503m				STATION 108	
PR	DE	T	g	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
38	38	21.840	21.832	37.317	4.95					26.044	30.287	34.432	38.481	42.440	199.2	0.038
88	88	21.850	21.832	37.317	4.96					26.044	30.287	34.432	38.481	42.440	201.4	0.139
140	140	21.800	21.772	37.320	4.97					26.063	30.307	34.453	38.503	42.463	201.9	0.244
221	220	18.230	18.191	36.587	4.43					26.456	30.760	34.963	39.070	43.084	166.9	0.392
285	284	16.970	16.922	36.352	4.22					26.587	30.914	35.138	39.266	43.302	156.5	0.497
330	329	16.180	16.127	36.224	4.24					26.677	31.018	35.256	39.398	43.446	149.2	0.566
395	393	15.040	14.979	36.059	4.24					26.810	31.173	35.432	39.594	43.662	138.1	0.658
448	446	14.040	13.974	35.916	4.15					26.918	31.300	35.579	39.758	43.844	128.8	0.730
500	497	13.390	13.319	35.830	4.14					26.988	31.384	35.675	39.867	43.964	123.2	0.794
549	546	12.630	12.554	35.724	4.21					27.061	31.472	35.778	39.984	44.096	117.0	0.854
600	597	12.040	11.960	35.646	4.04					27.116	31.540	35.858	40.076	44.199	112.5	0.913
698	694	10.920	10.832	35.518	3.61					27.228	31.676	36.017	40.258	44.401	103.2	1.018
799	794	9.560	9.466	35.364	3.46					27.346	31.824	36.195	40.464	44.635	92.3	1.117
898	892	8.480	8.381	35.264	3.66					27.442	31.946	36.341	40.633	44.827	83.4	1.204
1000	993	7.250	7.149	35.150	3.86					27.536	32.070	36.494	40.813	45.033	73.8	1.284
1246	1236	6.030	5.913	35.147	4.59					27.701	32.264	36.717	41.065	45.311	59.3	1.447
1493	1480	5.290	5.156	35.150	5.03					27.797	32.380	36.851	41.216	45.480	51.3	1.584
1750	1734	4.570	4.419	35.131	5.33					27.866	32.468	36.958	41.341	45.622	45.2	1.708
2000	1980	4.020	3.853		5.60										44.2	1.820
2496	2468	3.190	2.987	34.986	5.73					27.897	32.538	37.066	41.486	45.802	42.2	2.034
3094	3036	2.440	2.094	34.907	6.00					27.911	32.578	37.131	41.574	45.912	44.7	2.684
5580	5480	2.460	1.916	34.903	5.81					27.922	32.594	37.151	41.599	45.943	52.3	3.454

STATION 108

OCEANUS 78	109	LAT = 26			9.1 N			LONG = 37 35.2 W			18/ 3/80	21 NRS.	SONIC DEPTH= 4995m				ANOM	HEIGHT	STATION 109
PR	DF	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4					
dbar	m	deg C	deg C	o/oo	ml/l														
11	11	21.520	21.518	37.243	5.06					26.076	30.324	34.473	38.528	42.492	194.9		0.011		
45	45	21.490	21.481	37.240	5.07					26.083	30.333	34.482	38.537	42.502	195.7		0.077		
96	96	21.470	21.451	37.232	5.07					26.086	30.335	34.486	38.541	42.506	197.7		0.178		
147	147	19.050	19.023	36.717	4.63					26.344	30.634	34.823	38.916	42.918	174.9		0.274		
199	198	17.910	17.876	36.514	4.64					26.479	30.789	34.997	39.109	43.129	163.8		0.361		
243	242	17.320	17.279	36.422	4.68					26.555	30.875	35.094	39.215	43.245	158.1		0.432		
295	294	16.410	16.362	36.281	4.41					26.665	31.002	35.237	39.374	43.418	149.1		0.512		
345	344	15.830	15.775	36.168	4.48					26.715	31.062	35.307	39.455	43.509	145.9		0.587		
397	395	14.920	14.859	36.052	4.17					26.831	31.196	35.458	39.621	43.691	136.1		0.659		
446	444	14.150	14.084	35.933	4.25					26.907	31.288	35.564	39.742	43.825	129.8		0.725		
497	494	13.510	13.439	35.828	4.33					26.962	31.355	35.644	39.834	43.929	125.7		0.789		
548	545	12.970	12.893	35.762	4.26					27.022	31.427	35.726	39.926	44.031	121.0		0.852		
598	595	12.310	12.229	35.669	4.12					27.082	31.500	35.813	40.026	44.143	116.1		0.912		
700	696	11.020	10.931	35.523	3.92					27.214	31.660	35.999	40.237	44.379	104.7		1.024		
797	792	9.620	9.526	35.366	3.64					27.337	31.814	36.184	40.452	44.621	93.2		1.120		
898	892	8.520	8.421	35.252	3.66					27.427	31.930	36.324	40.615	44.808	84.9		1.210		
1000	993	7.500	7.397	35.188	3.94					27.531	32.058	36.476	40.790	45.004	74.9		1.292		
1251	1241	5.800	5.685	35.145						27.728	32.298	36.756	41.109	45.360	56.1		1.456		
1500	1487	5.090	4.957	35.146	5.32					27.817	32.405	36.881	41.251	45.519	48.8		1.587		
1751	1735	4.410	4.261	35.090	5.38					27.851	32.458	36.952	41.339	45.623	45.9		1.706		
1999	1979	3.910	3.744	35.077	5.51					27.895	32.516	37.023	41.423	45.720	42.0		1.815		

STATION 109

OCEANUS 78			110	LAT = 26 29.7 N			LONG = 38 30.7 W	18/ 3/80	24 OBS.	SONIC DEPTH= 5223m			STATION 110		
PR	DF	T	g	S	OXY	PHOS	SIL	N+M	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l										
3	3	21.990	21.989	37.318	5.11				26.000	30.241	34.384	38.431	42.388	201.7	0.003
47	47	21.810	21.801	37.279	4.96				26.024	30.268	34.413	38.463	42.423	201.4	0.092
99	99	21.770	21.750	37.264	5.04				26.026	30.272	34.417	38.469	42.429	203.5	0.198
144	144	21.370	21.342	37.213	4.90				26.102	30.353	34.505	38.562	42.528	198.3	0.289
213	212	17.980	17.943	36.505	4.63				26.456	30.764	34.971	39.082	43.101	166.6	0.414
263	262	17.490	17.446		4.66									161.4	0.496
295	294	17.040	16.991	36.357	4.31				26.575	30.900	35.124	39.250	43.284	158.0	0.547
350	349	15.700	15.644	36.166	4.21				26.743	31.093	35.340	39.490	43.546	143.4	0.631
400	398	15.000	14.938	36.055	4.37				26.816	31.179	35.440	39.602	43.670	137.7	0.700
449	447	14.240	14.173	35.949	3.98				26.901	31.279	35.554	39.730	43.812	130.7	0.766
500	497	13.410	13.338	35.835	4.14				26.988	31.383	35.674	39.865	43.962	123.2	0.830
550	547	12.760	12.684	35.747	4.19				27.045	31.461	35.765	39.969	44.077	118.0	0.891
600	597	12.220	12.139	35.676	3.97				27.105	31.525	35.840	40.054	44.173	113.8	0.950
701	697	10.970	10.882		3.73									103.1	1.059
801	796	9.540	9.446	35.358	3.50				27.344	31.823	36.195	40.464	44.635	92.5	1.157
902	896	8.490	8.392		3.47									83.3	1.245
997	990	7.360	7.258	35.160	3.67				27.529	32.059	36.481	40.798	45.015	74.8	1.320
1248	1238	5.820	5.705	35.092	4.44				27.684	32.253	36.712	41.064	45.316	60.2	1.490
1500	1487	5.360	5.224	35.168	5.25				27.803	32.384	36.853	41.217	45.478	51.1	1.630
1749	1733	4.510	4.360	35.096	5.33				27.945	32.449	36.941	41.325	45.607	46.9	1.752
2004	1984	3.940	3.773	35.041	5.58				27.864	32.484	36.991	41.390	45.686	45.1	1.869
2505	2477	3.230	3.025	34.983	5.65				27.891	32.531	37.058	41.477	45.792	43.0	2.090
3997	3939	2.450	2.103	34.908	5.76				27.911	32.578	37.130	41.573	45.911	44.8	2.745
5297	5205	2.480	1.973	34.900	5.70				27.915	32.585	37.141	41.588	45.930	51.7	3.373

STATION 110

OCEANUS 7A		111	LAT = 27		6.6 N		LONG = 37		39.6 W		19/ 3/80	21 NRS.		SONIC DEPTH= 5229m				STATION 111	
PR	DF		T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT		
dbar	m		deg C	deg C	o/oo	ml/l													
52	52		21.720	21.720	37.285	5.18					26.051	30.296	34.442	38.494	42.455	196.7	0.000		
100	100		21.720	21.710	37.282	5.02					26.052	30.297	34.443	38.495	42.456	199.0	0.103		
153	153		21.600	21.580	37.247	5.05					26.061	30.309	34.457	38.511	42.474	200.2	0.200		
203	202		19.190	19.162	36.744	4.59					26.329	30.616	34.803	38.894	42.894	176.6	0.300		
253	252		17.930	17.895	36.507	4.57					26.469	30.778	34.986	39.098	43.118	164.9	0.384		
292	291		17.350	17.307	36.410	4.57					26.539	30.859	35.077	39.198	43.227	160.0	0.466		
344	343		16.880	16.831	36.331	4.50					26.593	30.921	35.147	39.277	43.314	156.1	0.528		
396	394		16.170	16.114	36.222	4.33					26.678	31.019	35.258	39.400	43.448	149.6	0.608		
446	444		15.290	15.228	36.085	4.27					26.774	31.133	35.388	39.545	43.608	141.6	0.683		
499	496		14.720	14.652	36.004	4.25					26.839	31.209	35.474	39.642	43.715	136.7	0.753		
549	546		13.730	13.658	35.871	4.34					26.950	31.338	35.623	39.808	43.899	127.1	0.822		
601	598		12.820	12.744	35.728	4.25					27.026	31.433	35.736	39.939	44.047	120.5	0.884		
701	697		12.330	12.248	35.669	4.11					27.078	31.496	35.809	40.021	44.138	116.5	0.946		
803	798		10.910	10.821	35.501	3.87					27.216	31.665	36.007	40.247	44.391	104.3	1.057		
897	891		9.640	9.545	35.407	3.66					27.366	31.842	36.212	40.478	44.647	90.7	1.156		
998	991		8.400	8.302	35.286	3.70					27.472	31.977	36.374	40.668	44.862	80.4	1.236		
1250	1240		7.270	7.169	35.160	3.90					27.541	32.074	36.498	40.817	45.036	73.4	1.314		
1494	1481		6.110	5.992	35.172	4.64					27.710	32.272	36.723	41.068	45.313	58.7	1.480		
1741	1725		5.220	5.086	35.140	5.19					27.797	32.382	36.855	41.222	45.487	51.1	1.614		
2006	1986		4.630	4.479	35.114	5.33					27.846	32.447	36.935	41.317	45.596	47.2	1.736		
			4.050	3.881	35.065	5.50					27.872	32.488	36.993	41.389	45.683	45.0	1.858		

STATION 111

OCEANUS 78			112	LAT = 27 43.5 N			LONG = 36 47.6 W			19/ 3/80	24 OBS.			SONIC DEPTH= 5150m			STATION 112		
PR	DF	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	m	deg C	deg C	o/oo	ml/l														
1	1	21.920	21.820	37.261	5.06					26.005	30.249	34.394	38.444	42.403	201.2	0.001			
103	103	21.590	21.570	37.262	5.14					26.076	30.323	34.472	38.525	42.488	199.0	0.206			
148	148	21.600	21.571	37.263	5.05					26.076	30.324	34.472	38.526	42.489	201.0	0.297			
200	199	18.950	18.914	36.655	4.70					26.325	30.617	34.808	38.903	42.907	178.8	0.394			
253	252	18.140	18.096	36.544	4.56					26.447	30.753	34.958	39.066	43.082	169.0	0.487			
299	298	17.370	17.319	36.416	4.63					26.541	30.860	35.078	39.199	43.228	161.6	0.563			
335	334	16.870	16.814	36.331	4.53					26.597	30.925	35.152	39.282	43.319	157.3	0.621			
403	401	15.740	15.676	36.154	4.47					26.726	31.076	35.323	39.472	43.528	146.7	0.724			
435	433	15.040	14.973	36.049	4.32					26.804	31.167	35.426	39.588	43.656	140.0	0.770			
452	450	14.850	14.781	36.020	4.31					26.824	31.190	35.454	39.619	43.690	138.5	0.794			
502	499	14.140	14.066	35.923	4.32					26.904	31.284	35.561	39.739	43.823	132.0	0.860			
553	550	13.600	13.520	35.847	4.20					26.960	31.351	35.638	39.827	43.920	127.7	0.927			
596	593	13.140	13.056	35.788	4.32					27.010	31.410	35.707	39.904	44.005	123.8	0.982			
698	694	11.340	11.250	35.556	4.01					27.181	31.620	35.953	40.185	44.320	108.2	1.100			
799	794	10.060	9.964	35.410	3.92					27.297	31.765	36.125	40.383	44.544	97.8	1.204			
902	896	8.720	8.619	35.290	3.76					27.425	31.924	36.313	40.600	44.788	85.5	1.298			
1001	994	7.430	7.327	35.174	3.97					27.530	32.059	36.478	40.794	45.009	74.9	1.377			
1244	1234	6.110	5.993	35.160	4.76					27.701	32.262	36.713	41.059	45.304	59.5	1.540			
1499	1486	5.510	5.372	35.185	5.33					27.798	32.375	36.841	41.201	45.459	52.1	1.683			
1745	1729	4.670	4.518	35.128						27.853	32.452	36.940	41.320	45.599	46.8	1.805			
1998	1978	4.100	3.931	35.076	5.65					27.875	32.490	36.993	41.388	45.681	44.8	1.920			
2502	2474	3.260	3.055	34.993	5.78					27.996	32.535	37.062	41.479	45.794	42.7	2.141			
4007	3948	2.460	2.112	34.908	5.80					27.910	32.577	37.129	41.572	45.910	45.0	2.801			
5219	5129	2.470	1.973	34.902	5.71					27.917	32.587	37.143	41.589	45.931	51.1	3.383			

STATION 112

OCEANUS 78		113	LAT = 28 21.7 N		LONG = 35 55.7 W		19/ 3/80	20 NRS.		SONIC DEPTH= 4650m				STATION 113	
PR	DE	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l										
3	3	21.460	21.459	37.228	5.05					26.080	30.330	34.480	38.535	42.500	194.1 0.003
50	50	21.480	21.470	37.232	5.06					26.080	30.330	34.480	38.535	42.500	196.2 0.095
151	151	19.080	19.053	36.692	4.57					26.318	30.607	34.796	38.889	42.890	177.6 0.285
201	200	17.800	17.765	36.478	4.70					26.479	30.790	35.001	39.115	43.136	163.9 0.369
249	248	17.310	17.268	36.417	4.74					26.554	30.874	35.093	39.215	43.244	158.4 0.447
300	299	16.780	16.730	36.345	4.71					26.628	30.958	35.185	39.316	43.355	153.1 0.527
350	348	16.310	16.253	36.255	4.69					26.671	31.010	35.246	39.385	43.431	150.5 0.602
398	396	15.580	15.517	36.135	4.65					26.748	31.100	35.350	39.502	43.561	144.4 0.673
454	452	14.680	14.611	35.989	4.73					26.837	31.207	35.473	39.642	43.716	137.2 0.752
505	502	13.900	13.826	35.872	4.54					26.915	31.300	35.582	39.764	43.853	130.7 0.820
562	559	13.000	12.921	35.750	4.46					27.007	31.411	35.710	39.910	44.014	122.8 0.893
600	597	12.380	12.298	35.674	4.36					27.072	31.489	35.801	40.012	44.128	117.1 0.939
700	696	11.150	11.060	35.538	4.17					27.202	31.645	35.982	40.217	44.357	106.0 1.050
800	795	10.010	9.914	35.442	3.96					27.331	31.799	36.160	40.419	44.581	94.6 1.150
904	898	9.040	8.937	35.392	3.96					27.455	31.945	36.327	40.606	44.788	83.5 1.243
1001	994	7.560	7.456	35.233	3.94					27.557	32.083	36.499	40.811	45.024	72.6 1.319
1250	1240	6.470	6.348	35.270						27.741	32.293	36.735	41.071	45.307	56.9 1.480
1502	1489	5.720	5.580	35.242	5.06					27.818	32.389	36.850	41.204	45.457	51.1 1.616
1741	1725	4.810	4.656	35.156	5.39					27.860	32.455	36.939	41.316	45.591	46.7 1.733
1989	1969	4.220	4.050	35.095	5.56					27.878	32.490	36.989	41.381	45.671	45.1 1.847

STATION 113

OCEANUS 78			114	LAT = 28 56.6 N			LONG = 35 4.9 W			20/ 3/80	24 DRS.	SONIC DEPTH= 5445m				STATION 114	
PR	DE	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	
dbar	m	deg C	deg C	o/oo	ml/l												
3	3	21.200	21.199	37.179	5.13					26.115	30.369	34.523	38.582	42.551	190.8	0.003	
99	99	21.220	21.201	37.184	5.06					26.119	30.372	34.526	38.586	42.554	194.7	0.189	
150	150	20.790	20.761	37.150	5.11					26.214	30.474	34.634	38.700	42.675	187.8	0.287	
205	204	18.010	17.974	36.519	4.58					26.458	30.766	34.973	39.083	43.102	166.0	0.383	
250	249	17.400	17.358	36.420	4.66					26.534	30.853	35.070	39.191	43.219	160.3	0.457	
283	282	16.980	16.933	36.354	4.64					26.586	30.913	35.137	39.265	43.300	156.5	0.509	
300	299	16.630	16.581	36.297	4.46					26.626	30.959	35.190	39.323	43.364	153.1	0.536	
346	345	15.830	15.775	36.174	4.36					26.719	31.067	35.312	39.459	43.514	145.5	0.605	
398	396	15.110	15.048	36.056	4.49					26.792	31.154	35.412	39.572	43.639	139.9	0.678	
451	449	14.390	14.322	35.955	4.38					26.873	31.249	35.521	39.694	43.773	133.4	0.751	
500	497	13.680	13.608	35.848	4.41					26.942	31.332	35.618	39.804	43.896	127.8	0.815	
549	546	13.110	13.032	35.774	4.32					27.003	31.405	35.702	39.899	44.001	123.0	0.876	
602	599	12.160	12.079	35.658	4.23					27.103	31.524	35.840	40.055	44.175	114.0	0.940	
702	698	10.950	10.861	35.506	3.93					27.213	31.661	36.002	40.241	44.385	104.7	1.049	
803	798	9.530	9.436	35.371	3.94					27.356	31.835	36.207	40.476	44.648	91.4	1.148	
938	931	8.180	8.079	35.307	3.97					27.523	32.033	36.435	40.733	44.932	76.0	1.260	
1001	994	7.700	7.596												72.1	1.308	
1249	1239	6.470	6.348	35.271	4.43					27.742	32.294	36.735	41.072	45.308	56.8	1.467	
1504	1491	5.610	5.471	35.229	5.13					27.821	32.395	36.858	41.215	45.471	50.4	1.604	
1760	1743	4.770	4.615	35.154	5.46					27.863	32.459	36.944	41.322	45.598	46.5	1.728	
2002	1982	4.110	3.940	35.082	5.69					27.879	32.494	36.996	41.391	45.684	44.6	1.838	
2502	2474	3.250	3.045	34.993	5.75					27.897	32.537	37.063	41.481	45.795	42.6	2.056	
4006	3947	2.470	2.122	34.908	5.78					27.910	32.576	37.128	41.570	45.908	45.2	2.716	
5534	5434	2.550	2.009	34.900	5.65					27.912	32.582	37.137	41.582	45.923	54.1	3.474	
STATION 114																	

STATION 114

OCEANUS 78		115	LAT = 29 35.6 N				LONG = 34 11.1 W				20/ 3/80	21 OBS.	SONIC DEPTH= 4471m				STATION 115	
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+M	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT		
dbar	m	deg C	deg C	o/oo	ml/l													
5	5	20.330	20.329	36.948	5.19					26.177	30.445	34.613	38.686	42.668	185.0	0.005		
47	47	20.280	20.271	36.941	5.15					26.187	30.456	34.625	38.699	42.681	185.8	0.083		
95	95	20.130	20.112	36.904	5.19					26.201	30.473	34.644	38.721	42.706	186.5	0.173		
147	147	17.990	17.964	36.503	4.70					26.449	30.757	34.964	39.074	43.093	164.7	0.265		
198	197	17.300	17.267	36.414	4.76					26.552	30.872	35.091	39.213	43.242	156.7	0.345		
248	247	16.600	16.559	36.295	4.62					26.630	30.963	35.194	39.328	43.369	150.9	0.423		
299	298	15.920	15.872	36.192	4.63					26.711	31.057	35.300	39.446	43.498	144.7	0.499		
350	348	15.230	15.176	36.080	4.69					26.782	31.141	35.397	39.555	43.620	139.3	0.570		
400	398	14.420	14.360	35.957	4.68					26.867	31.242	35.513	39.685	43.764	125.0	0.639		
459	457	13.480	13.414	35.815	4.62					26.957	31.351	35.640	39.830	43.926	115.4	0.715		
508	505	12.800	12.730	35.718	4.52					27.021	31.429	35.732	39.935	44.043	119.7	0.774		
559	556	12.250	12.174	35.648	4.43					27.076	31.496	35.810	40.024	44.142	115.4	0.835		
602	598	11.860	11.780	35.619	4.45					27.130	31.557	35.879	40.101	44.226	111.1	0.883		
702	698	10.760	10.672	35.540	4.13					27.274	31.725	36.070	40.313	44.460	98.7	0.989		
804	799	9.540	9.446	35.407	3.98					27.383	31.861	36.233	40.501	44.672	89.0	1.084		
904	898	8.590	8.490	35.364	4.03					27.504	32.004	36.397	40.685	44.876	78.0	1.168		
999	992	7.830	7.724	35.360	4.19					27.618	32.136	36.545	40.851	45.057	67.6	1.237		
1248	1238	6.930	6.804	35.363	4.63					27.752	32.292	36.723	41.048	45.274	57.2	1.392		
1500	1487	5.810	5.669	35.275	5.15					27.833	32.402	36.860	41.212	45.463	50.0	1.527		
1748	1731	4.810	4.656	35.160	5.52					27.863	32.458	36.942	41.319	45.594	46.5	1.647		
2002	1982	4.100	3.930	35.082	5.65					27.880	32.495	36.998	41.393	45.686	44.4	1.763		

STATION 115

OCEANUS 78			116	LAT = 30			9.7 N	LONG = 33 18.8 W			21/ 3/80	24 OBS.	SONIC DEPTH= 4508m			STATION 116		
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT		
dbar	m	deg C	deg C	o/oo	ml/l													
3	3	19.480	19.479	36.795	5.26					26.285	30.567	34.749	38.835	42.830	174.6	0.003		
71	71	19.420	19.407	36.786	5.25					26.297	30.581	34.764	38.851	42.847	176.3	0.123		
117	117	17.880	17.860	36.509	4.81					26.479	30.789	34.998	39.110	43.130	160.6	0.200		
142	142	17.400	17.376		4.82										157.2	0.240		
184	183	16.960	16.929	36.368	4.86					26.598	30.924	35.149	39.276	43.311	151.7	0.304		
247	246	16.360	16.320	36.270	4.80					26.667	31.004	35.240	39.377	43.423	147.2	0.399		
298	297	15.740	15.693	36.165	4.79					26.731	31.080	35.327	39.476	43.531	142.7	0.473		
339	337	15.140	15.088	36.068	4.77					26.793	31.153	35.411	39.571	43.637	137.9	0.530		
400	398	14.450	14.390	35.959	4.94					26.862	31.236	35.507	39.679	43.757	132.9	0.613		
449	447	13.600	13.535	35.827	4.72					26.941	31.332	35.620	39.807	43.901	126.3	0.677		
495	492	13.000	12.931	35.745	4.72					27.002	31.405	35.704	39.903	44.008	121.4	0.733		
548	545	12.310	12.236	35.652	4.60					27.068	31.486	35.799	40.011	44.128	116.0	0.797		
603	599	11.750	11.671	35.592	4.67					27.130	31.560	35.884	40.108	44.236	111.0	0.858		
701	697	10.780	10.692	35.514	4.63					27.250	31.701	36.045	40.288	44.435	101.0	0.963		
800	795	9.940	9.844	35.462	4.23					27.358	31.828	36.190	40.450	44.613	91.9	1.059		
902	896	9.030	8.927	35.429	4.21					27.485	31.975	36.357	40.637	44.818	80.6	1.147		
1001	994	8.300	8.191	35.442	4.30					27.611	32.118	36.517	40.811	45.007	69.3	1.221		
1246	1236	7.080	6.953	35.406	4.73					27.765	32.302	36.728	41.050	45.272	56.4	1.375		
1499	1486	5.730	5.591		5.48										51.6	1.511		
1752	1735	4.840	4.685	35.163	5.53					27.862	32.457	36.940	41.316	45.590	46.8	1.635		
2001	1981	4.110	3.940	35.080	5.72					27.877	32.492	36.995	41.390	45.682	44.7	1.750		
2505	2476	3.250	3.045	34.988	5.81					27.893	32.533	37.059	41.477	45.792	43.0	1.970		
3004	2966	2.780	2.533	34.944	5.75					27.904	32.558	37.098	41.530	45.857	42.3	2.183		
4003	3943	2.490	2.142	34.909	5.63					27.909	32.574	37.126	41.568	45.905	45.4	2.621		

STATION 116

OCEANUS 78		117	LAT = 30 44.2 N			LONG = 32 29.4 W			21/ 3/80	21 OPS.	SONIC DEPTH= 4784m				STATION 117	
PR	DF	T	θ	Σ	DXY	PHOS	SIL	N02	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
6	6	19.170	19.169	36.746	5.25					26.329	30.616	34.803	38.894	42.893	170.6	0.005
45	45	19.170	19.162	36.746	5.27					26.331	30.618	34.805	38.896	42.895	172.0	0.072
95	95	19.180	19.163	36.747	4.77					26.331	30.619	34.805	38.896	42.896	174.0	0.159
146	146	17.740	17.715	36.484	4.80					26.496	30.808	35.019	39.134	43.156	160.2	0.245
195	194	16.790	16.758	36.340	4.69					26.617	30.947	35.174	39.305	43.343	150.2	0.320
248	247	15.900	15.860	36.188	4.73					26.710	31.056	35.300	39.446	43.499	143.0	0.398
298	297	15.300	15.254	36.090	4.68					26.773	31.130	35.385	39.541	43.605	138.5	0.469
348	346	14.630	14.577	35.986	4.85					26.842	31.213	35.480	39.648	43.723	133.2	0.536
398	396	14.100	14.041	35.906	4.63					26.896	31.277	35.554	39.733	43.817	129.4	0.602
450	448	13.380	13.316	35.810	4.70					26.973	31.369	35.660	39.852	43.950	123.1	0.668
499	496	12.530	12.462	35.676	4.42					27.042	31.455	35.764	39.972	44.085	117.3	0.726
550	547	11.920	11.848	35.568	4.55										112.1	0.785
601	597	11.450	11.372	35.568	4.59					27.167	31.604	35.934	40.164	44.297	107.0	0.841
701	697	10.580	10.493	35.505	4.19					27.279	31.734	36.082	40.329	44.480	98.0	0.944
802	797	9.830	9.734	35.479	4.19					27.390	31.862	36.227	40.489	44.654	88.7	1.038
902	896	8.990	8.887	35.471	4.75					27.524	32.015	36.398	40.678	44.859	76.9	1.121
1005	997	8.230	8.121	35.460	5.20					27.636	32.145	36.544	40.840	45.038	66.9	1.194
1244	1234	6.810	6.686	35.379	5.34					27.781	32.324	36.757	41.085	45.313	54.1	1.340
1500	1487	5.440	5.303	35.229	5.60					27.842	32.420	36.887	41.248	45.508	47.9	1.470
1756	1739	4.610	4.458	35.137	5.60					27.867	32.468	36.957	41.339	45.618	45.4	1.599
2000	1979	3.970	3.803	35.061	5.85					27.877	32.495	37.002	41.400	45.696	44.1	1.698

STATION 117

OCEANUS 7a																				
118		LAT = 31 20.2 N					LONG = 31 40.3 W					21/ 3/80		23 OBS.		SONIC DEPTH= 4535m			STATION 118	
PR	DF	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT				
dbar	m	deg C	deg C	o/oo	ml/l															
144	144	18.090	18.065	36.595	4.92					26.494	30.800	35.005	39.113	43.130	160.3	0.116				
165	164	17.510	17.482	36.465	4.76					26.539	30.855	35.070	39.188	43.214	156.8	0.148				
214	213	16.880	16.844	36.357	4.88					26.610	30.938	35.163	39.292	43.329	151.7	0.224				
254	253	16.240	16.199	36.257	4.80					26.685	31.025	35.262	39.402	43.449	145.7	0.284				
303	302	15.380	15.333	36.110	4.79					26.770	31.126	35.379	39.535	43.596	139.0	0.354				
334	332	14.970	14.919	36.044	4.75					26.812	31.176	35.436	39.599	43.668	135.8	0.396				
351	349	14.610	14.557	35.991	4.81					26.850	31.221	35.489	39.658	43.733	132.5	0.419				
401	399	13.890	13.831	35.877						26.918	31.303	35.584	39.767	43.855	127.2	0.484				
448	445	13.390	13.326	35.802	4.74					26.965	31.361	35.652	39.844	43.941	123.8	0.542				
499	496	12.780	12.711	35.723	4.69					27.029	31.437	35.740	39.944	44.052	118.7	0.605				
550	547	12.230	12.156	35.652	4.62					27.083	31.503	35.817	40.031	44.150	114.5	0.665				
598	594	11.840	11.761	35.604	4.60					27.122	31.550	35.872	40.094	44.220	111.7	0.718				
700	695	10.810	10.722	35.520	4.53					27.249	31.699	36.043	40.286	44.432	101.0	0.827				
801	795	9.610	9.515	35.456	4.21					27.409	31.886	36.255	40.522	44.692	86.5	0.921				
903	896	8.920	8.818	35.461	4.27					27.528	32.020	36.404	40.686	44.869	76.4	1.004				
1001	993	8.340	8.230	35.466	4.32					27.624	32.130	36.527	40.821	45.016	68.2	1.075				
1253	1242	7.040	6.913	35.402	4.87					27.768	32.305	36.733	41.055	45.278	56.2	1.232				
1495	1481	5.780	5.640	35.273	5.28					27.835	32.404	36.863	41.216	45.468	49.6	1.360				
1701	1685	4.900	4.838	35.179	5.61					27.857	32.448	36.927	41.299	45.570	47.3	1.460				
2000	1979	4.160	3.990	35.082	5.65					27.874	32.487	36.989	41.382	45.673	45.3	1.598				
2505	2476	3.280	3.074	34.990	5.94					27.892	32.531	37.056	41.474	45.787	43.2	1.822				
4004	3944	2.500	2.151	34.908	5.75					27.907	32.572	37.123	41.565	45.902	45.7	2.488				
4592	4517	2.500	2.091	34.908	5.70					27.913	32.580	37.133	41.577	45.916	48.4	2.765				
STATION 118																				

STATION 118

OCEANUS 78		119	LAT = 32		1.4 N	LONG = 30 43.1 W		22/ 3/90	20 DRS.	SONIC DEPTH= 5510m				STATION 119		
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	n/oo	ml/l											
1	1	18.190	18.190	36.551	5.57					26.429	30.733	34.936	39.043	43.058	160.9	0.001
75	75	17.860	17.847	36.491	5.20					26.469	30.779	34.988	39.100	43.121	160.0	0.120
138	138	16.890	16.867	36.358	4.93					26.605	30.933	35.158	39.287	43.323	149.3	0.218
199	198	16.090	16.058	36.231	4.89					26.698	31.040	35.280	39.422	43.472	142.5	0.306
248	247	15.670	15.631	36.157	4.93					26.739	31.089	35.337	39.487	43.544	140.1	0.375
293	292	15.070	15.025	36.053	5.06					26.795	31.157	35.416	39.577	43.644	136.1	0.439
348	346	14.360	14.308	35.948	5.07					26.871	31.247	35.519	39.693	43.772	130.3	0.511
399	397	13.630	13.572	35.834	4.86					26.939	31.329	35.616	39.803	43.896	125.0	0.577
447	445	13.140	13.077												121.7	0.636
500	497	12.640	12.571	35.694	5.02					27.034	31.445	35.751	39.958	44.069	118.1	0.699
550	547	12.180	12.106	35.640	4.94					27.084	31.504	35.820	40.035	44.155	114.4	0.759
598	594	11.570	11.492	35.565	4.85					27.143	31.576	35.904	40.132	44.263	109.4	0.811
698	693	10.050	9.966	35.478	4.41					27.350	31.817	36.176	40.434	44.594	90.4	0.911
799	793	9.800	9.705	35.508	4.28					27.418	31.890	36.255	40.518	44.683	86.0	1.000
899	892	9.300	9.196	35.508	4.28					27.503	31.987	36.362	40.636	44.811	79.4	1.082
1003	995	8.820	8.707	35.506	4.49					27.581	32.075	36.462	40.745	44.930	73.4	1.162
1250	1240	7.460	7.329	35.469	4.77					27.761	32.288	36.706	41.019	45.232	58.0	1.325
1505	1491	6.100	5.955	35.314	5.34					27.827	32.389	36.839	41.184	45.429	51.6	1.464
1750	1733	4.710	4.557	35.132	5.81					27.852	32.450	36.937	41.316	45.594	47.1	1.585
2002	1981	4.050	3.881	35.057	5.92					27.865	32.482	36.986	41.383	45.677	45.5	1.702

STATION 119

OCEANUS 78		121	LAT = 31 29.5 N				LONG = 29 49.9 W				25/ 3/80	20 PWS.	SONIC DEPTH= 3249m				STATION 121	
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT		
dbar	m	deg C	deg C	o/oo	ml/l													
2	2	18.810	18.810	36.667	5.43					26.361	30.654	34.847	38.944	42.949	167.4	0.002		
99	99	18.740	18.722	36.682	5.21					26.395	30.689	34.883	38.981	42.988	168.1	0.165		
149	149	18.720	18.693	36.677	5.17					26.398	30.694	34.888	38.986	42.993	169.8	0.250		
198	197	17.010	16.977	36.377	4.65					26.593	30.919	35.142	39.269	43.303	152.7	0.328		
246	245	16.330	16.290	36.268	4.71					26.672	31.010	35.246	39.384	43.430	146.7	0.400		
300	299	15.550	15.503	36.134	4.67					26.750	31.103	35.353	39.505	43.564	140.8	0.479		
348	346	14.750	14.697	36.009	4.67					26.833	31.202	35.467	39.633	43.706	134.1	0.544		
400	398	14.100	14.041	35.904	4.71					26.894	31.275	35.553	39.731	43.816	129.6	0.613		
449	447	13.310	13.246	35.804	4.66					26.983	31.380	35.673	39.866	43.965	122.1	0.675		
500	497	12.640	12.571	35.703	4.57					27.041	31.452	35.758	39.964	44.075	117.5	0.735		
555	552	12.120	12.045	35.641	4.50					27.096	31.518	35.835	40.051	44.172	113.3	0.799		
601	597	11.680	11.601	35.592	4.44					27.143	31.574	35.900	40.125	44.254	109.6	0.850		
701	696	10.940	10.851	35.538	4.22					27.240	31.687	36.028	40.268	44.411	102.1	0.956		
800	795	9.950	9.854	35.474	4.01					27.366	31.835	36.197	40.457	44.620	91.2	1.052		
907	900	9.110	9.006	35.475	4.06					27.508	31.996	36.376	40.654	44.833	78.7	1.142		
999	992	8.600	8.489	35.472	4.13					27.589	32.088	36.480	40.768	44.958	72.1	1.212		
1250	1240	7.340	7.210	35.438	4.57					27.754	32.284	36.704	41.020	45.237	58.3	1.376		
1501	1487	6.020	5.876	35.319	5.22					27.841	32.405	36.857	41.204	45.450	50.0	1.511		
1748	1731	5.040	4.883	35.193	5.38					27.863	32.452	36.930	41.301	45.571	47.5	1.632		
1996	1975	4.310	4.138	35.105	5.63					27.876	32.486	36.983	41.373	45.660	45.7	1.747		

STATION 121

OCEANUS 7A		122	LAT = 30 31.6 N			LONG = 29 42.7 W			25/ 3/80	23 RMS.	SONIC DEPTH= 4385m			STATION 122	
PR	DE	T	θ	S	PHY	SIL	N02	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	m/1										
6	6	19.110	19.109	36.773	5.15				26.365	30.653	34.840	38.932	42.932	167.2	0.005
51	51	18.960	18.951	36.775	5.43				26.407	30.698	34.888	38.982	42.984	165.0	0.080
101	101	18.820	18.802	36.765	5.51				26.438	30.731	34.923	39.019	43.024	164.1	0.163
159	159	18.720	18.690	36.770	5.08				26.470	30.765	34.959	39.057	43.063	163.8	0.275
221	220	16.950	16.913	36.366	5.02				26.600	30.927	35.152	39.279	43.315	152.8	0.356
300	299	15.850	15.803											144.6	0.475
368	366	15.010	14.953	36.045	5.17				26.805	31.168	35.428	39.590	43.659	137.6	0.570
400	398	14.540	14.480	35.973	5.10				26.853	31.226	35.495	39.665	43.742	133.8	0.613
450	448	13.710	13.645	35.853	4.65				26.938	31.327	35.612	39.798	43.890	126.7	0.679
499	496	12.860	12.791	35.729	4.91				27.017	31.424	35.726	39.928	44.035	119.9	0.739
549	546	12.360	12.285	35.667	4.63				27.069	31.486	35.798	40.010	44.126	115.9	0.798
600	596	11.850	11.771	35.611	4.74				27.126	31.553	35.876	40.097	44.223	111.4	0.855
701	697	10.820	10.732	35.512	4.07				27.241	31.691	36.035	40.277	44.423	101.8	0.964
801	796	9.900	9.804	35.466	3.98				27.368	31.839	36.202	40.463	44.627	90.9	1.060
902	896	9.280	9.176		4.28									81.0	1.147
1000	993	8.470	8.359	35.452	4.44				27.593	32.096	36.490	40.781	44.974	71.4	1.222
1249	1239	7.260	7.131	35.430	4.54				27.759	32.291	36.713	41.031	45.249	57.6	1.302
1500	1487	5.920	5.778	35.292	4.99				27.833	32.399	36.854	41.203	45.452	50.4	1.518
1749	1732	4.950	4.794	35.174	5.59				27.858	32.450	36.930	41.304	45.575	47.6	1.650
2012	1991	4.210	4.038	35.097	5.94				27.881	32.493	36.993	41.385	45.675	45.0	1.761
3005	2967	2.940	2.690											45.7	2.212
4006	3946	2.520	2.170	34.901	5.77				27.900	32.565	37.115	41.557	45.893	46.5	2.674
4450	4379	2.470	2.070	34.901	6.05				27.908	32.576	37.129	41.573	45.912	47.7	2.893

STATION 122

OCEANUS 78		123	LAT = 29 31.6 N				LONG = 29 32.2 W				25/ 3/80	20 OBS.	SONIC DEPTH= 4405m				STATION 123	
PR	DE	T	A	S	OXY	PHOS	STL	N02	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT		
dbar	m	deg C	deg C	‰	ml/l													
4	4	19.320	19.319	36.829	5.29					26.353	30.637	34.821	38.910	42.907	168.2	0.003		
100	100	18.840	18.822		4.97										162.8	0.163		
150	150	17.760	17.734	36.495	4.74					26.500	30.812	35.022	39.136	43.159	160.0	0.244		
199	198	16.990	16.957	36.365	4.74					26.589	30.915	35.139	39.266	43.301	153.1	0.320		
249	248	16.080	16.040	36.213	4.58					26.688	31.031	35.271	39.414	43.464	145.2	0.395		
299	298	15.280	15.233	36.095	4.66					26.781	31.139	35.394	39.551	43.614	137.7	0.466		
351	349	14.520	14.467	35.974	4.79					26.857	31.229	35.499	39.669	43.746	131.8	0.535		
402	400	13.820	13.761	35.862	4.87					26.921	31.308	35.590	39.774	43.863	126.9	0.602		
450	448	13.100	13.037	35.767	4.67					26.997	31.399	35.695	39.893	43.995	120.6	0.662		
504	501	12.610	12.541	35.699	4.59					27.044	31.456	35.762	39.969	44.081	117.3	0.725		
558	555	12.150	12.075	35.646	4.69					27.094	31.516	35.832	40.047	44.167	113.6	0.788		
602	598	11.610	11.531	35.586	4.39					27.151	31.584	35.911	40.138	44.268	108.8	0.836		
700	695	10.690	10.603	35.507						27.261	31.713	36.060	40.305	44.453	99.8	0.939		
800	795	9.870	9.774	35.461	4.01					27.369	31.840	36.204	40.466	44.630	90.7	1.034		
902	895	9.070	8.967	35.405	4.13					27.460	31.949	36.331	40.609	44.790	83.0	1.123		
1000	993	8.400	8.290	35.389	4.20					27.555	32.060	36.456	40.749	44.943	74.8	1.200		
1251	1241	7.040	6.913	35.364	4.70					27.738	32.275	36.703	41.026	45.250	58.9	1.368		
1500	1487	5.920	5.778	35.282	5.49					27.825	32.391	36.846	41.195	45.444	51.2	1.505		
1741	1724	4.990	4.834	35.195	5.42					27.870	32.461	36.940	41.312	45.583	46.5	1.623		
1989	1969	4.280	4.109	35.105	5.81					27.879	32.490	36.988	41.378	45.666	45.2	1.737		

STATION 123

OCEANUS 78				124	LAT = 28 32.4 N				LONG = 29 24.3 W				26/ 3/80	23 MRS.				SONIC DEPTH= 4798m				STATION 124	
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT							
dbar	m	deg C	deg C	o/oo	ml/l																		
4	4	19.980	19.979	36.980	5.54					26.295	30.568	34.741	38.819	42.805	173.8	0.003							
128	128	17.970	17.948	36.561	4.86					26.497	30.805	35.012	39.123	43.141	159.4	0.211							
213	212	16.870	16.835	36.342	4.85					26.600	30.929	35.155	39.284	43.321	152.5	0.343							
245	244	16.400	16.360	36.265	4.77					26.654	30.990	35.225	39.362	43.407	148.4	0.391							
297	296	15.720	15.673	36.156	4.58					26.729	31.078	35.325	39.474	43.530	142.9	0.468							
337	336	15.010	14.958	36.050	4.67					26.808	31.171	35.431	39.593	43.661	136.4	0.524							
355	353	14.830	14.776	36.013	4.56					26.819	31.186	35.450	39.615	43.686	135.7	0.547							
433	401	14.200	14.140	35.930	4.72					26.893	31.272	35.548	39.724	43.807	129.9	0.611							
453	451	13.470	13.405	35.818	4.55					26.961	31.355	35.645	39.835	43.931	124.4	0.675							
503	500	12.820	12.750	35.731	4.50					27.027	31.434	35.737	39.939	44.047	119.1	0.735							
555	552	12.380	12.304	35.678	4.42					27.074	31.491	35.802	40.013	44.129	115.6	0.797							
600	597	11.900	11.820	35.626	4.41					27.128	31.554	35.876	40.096	44.221	111.3	0.848							
699	695	11.040	10.951	35.534	4.01					27.219	31.664	36.003	40.241	44.382	104.2	0.955							
797	792	9.720	9.626	35.449	3.68					27.385	31.860	36.227	40.492	44.659	88.9	1.050							
900	894	8.840	8.739	35.376	3.72					27.474	31.969	36.355	40.639	44.824	81.2	1.137							
999	992	8.170	8.062	35.368	3.81					27.573	32.084	36.485	40.783	44.982	72.5	1.213							
1244	1234	6.850	6.726	35.295	5.07					27.710	32.252	36.685	41.013	45.240	60.9	1.376							
1502	1489	5.860	5.718	35.283	5.16					27.833	32.400	36.857	41.208	45.458	50.2	1.520							
1746	1730	4.960	4.804	35.183	5.77					27.864	32.456	36.936	41.309	45.580	47.0	1.639							
1998	1978	4.110	3.941	35.086	5.67					27.882	32.497	37.000	41.394	45.687	44.2	1.753							
3008	2970	2.760	2.514	34.944	5.63					27.906	32.560	37.101	41.533	45.861	42.0	2.189							
4039	3950	2.480	2.131	34.908	5.69					27.909	32.575	37.126	41.569	45.906	45.3	2.627							
4861	4780	2.440	1.990	34.901	6.05					27.915	32.584	37.140	41.586	45.927	49.0	3.028							

STATION 124

OCEANUS 79		126	LAT = 26 32.7 N				LONG = 29 5.2 W		26/ 3/80	23 PAS.	SONIC DEPTH= 5379m				STATION 126	
PR	HF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
8	9	20.690	20.689	37.129	5.16					26.217	30.479	34.641	38.707	42.683	181.3	0.007
99	99	20.340	20.321	37.098	5.07					26.293	30.560	34.728	38.800	42.781	178.0	0.172
171	171	18.530	18.500	36.720	4.86					26.480	30.778	34.976	39.077	43.086	162.8	0.295
200	199	17.690	17.656	36.494	4.67					26.518	30.831	35.043	39.159	43.182	160.1	0.340
256	255	16.710	16.668	36.317	4.74					26.621	30.952	35.181	39.313	43.353	152.1	0.428
296	295	16.110	16.062	36.213	4.49					26.683	31.025	35.265	39.408	43.457	147.3	0.489
352	350	15.040	14.986	36.047	4.59					26.799	31.162	35.421	39.583	43.651	137.6	0.568
400	398	14.420	14.360	35.956	4.67					26.866	31.241	35.512	39.685	43.763	132.5	0.633
447	445	13.650	13.585	35.848	4.42					26.947	31.337	35.623	39.810	43.903	125.7	0.694
501	498	12.900	12.830	35.755	4.42					27.030	31.435	35.736	39.937	44.043	118.8	0.759
548	545	12.230	12.156	35.673	4.52					27.099	31.519	35.833	40.047	44.166	112.9	0.814
601	598	11.770	11.691	35.625	4.49					27.152	31.581	35.905	40.128	44.255	108.9	0.873
698	694	11.090	11.001	35.629	4.33					27.283	31.727	36.064	40.301	44.441	98.2	0.974
799	794	11.270	11.166	35.860	4.19					27.433	31.871	36.204	40.435	44.570	87.2	1.067
905	899	10.850	10.735	35.902	4.12					27.544	31.992	36.333	40.572	44.715	78.7	1.155
1003	996	9.940	9.818	35.773	3.99					27.605	32.073	36.434	40.693	44.854	73.6	1.230
1249	1239	6.500	6.378	35.236	4.96					27.710	32.262	36.703	41.039	45.275	59.8	1.394
1502	1489	5.620	5.481	35.235	4.92					27.825	32.398	36.861	41.218	45.474	50.1	1.533
1752	1736	4.880	4.724	35.167	5.29					27.861	32.454	36.936	41.312	45.585	47.1	1.655
2000	1980	4.080	3.911	35.082	5.57					27.882	32.498	37.001	41.397	45.690	44.1	1.767
3004	2967	2.740	2.494	34.943	5.56					27.906	32.562	37.103	41.536	45.864	41.8	2.199
4005	3946	2.430	2.083	34.905	5.60					27.910	32.577	37.130	41.574	45.913	44.7	2.631
5381	5286	2.450	1.933	34.887	5.62					27.908	32.579	37.137	41.584	45.927	52.4	3.299

OCEANUS 79		126	LAT = 26 32.7 N				LONG = 29 5.2 W		26/ 3/80	23 PAS.	SONIC DEPTH= 5379m				STATION 126	
PR	HF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
8	9	20.690	20.689	37.129	5.16					26.217	30.479	34.641	38.707	42.683	181.3	0.007
99	99	20.340	20.321	37.098	5.07					26.293	30.560	34.728	38.800	42.781	178.0	0.172
171	171	18.530	18.500	36.720	4.86					26.480	30.778	34.976	39.077	43.086	162.8	0.295
200	199	17.690	17.656	36.494	4.67					26.518	30.831	35.043	39.159	43.182	160.1	0.340
256	255	16.710	16.668	36.317	4.74					26.621	30.952	35.181	39.313	43.353	152.1	0.428
296	295	16.110	16.062	36.213	4.49					26.683	31.025	35.265	39.408	43.457	147.3	0.489
352	350	15.040	14.986	36.047	4.59					26.799	31.162	35.421	39.583	43.651	137.6	0.568
400	398	14.420	14.360	35.956	4.67					26.866	31.241	35.512	39.685	43.763	132.5	0.633
447	445	13.650	13.585	35.848	4.42					26.947	31.337	35.623	39.810	43.903	125.7	0.694
501	498	12.900	12.830	35.755	4.42					27.030	31.435	35.736	39.937	44.043	118.8	0.759
548	545	12.230	12.156	35.673	4.52					27.099	31.519	35.833	40.047	44.166	112.9	0.814
601	598	11.770	11.691	35.625	4.49					27.152	31.581	35.905	40.128	44.255	108.9	0.873
698	694	11.090	11.001	35.629	4.33					27.283	31.727	36.064	40.301	44.441	98.2	0.974
799	794	11.270	11.166	35.860	4.19					27.433	31.871	36.204	40.435	44.570	87.2	1.067
905	899	10.850	10.735	35.902	4.12					27.544	31.992	36.333	40.572	44.715	78.7	1.155
1003	996	9.940	9.818	35.773	3.99					27.605	32.073	36.434	40.693	44.854	73.6	1.230
1249	1239	6.500	6.378	35.236	4.96					27.710	32.262	36.703	41.039	45.275	59.8	1.394
1502	1489	5.620	5.481	35.235	4.92					27.825	32.398	36.861	41.218	45.474	50.1	1.533
1752	1736	4.880	4.724	35.167	5.29					27.861	32.454	36.936	41.312	45.585	47.1	1.655
2000	1980	4.080	3.911	35.082	5.57					27.882	32.498	37.001	41.397	45.690	44.1	1.767
3004	2967	2.740	2.494	34.943	5.56					27.906	32.562	37.103	41.536	45.864	41.8	2.199
4005	3946	2.430	2.083	34.905	5.60					27.910	32.577	37.130	41.574	45.913	44.7	2.631
5381	5286	2.450	1.933	34.887	5.62					27.908	32.579	37.137	41.584	45.927	52.4	3.299

STATION 126

OCEANUS 78		127	LAT = 25 31.0 N			LONG = 29 56.5 W			27/ 3/80	20 DRS.	SONIC DEPTH= 5660m				STATION 127	
PR	DF	T	g	S	OXY	PHOS	SIL	NO2	N+N	SIG-4	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
6	6	21.230	21.229	37.227	5.17					26.144	30.397	34.550	38.609	42.576	188.2	0.006
103	103	20.890	20.870	37.214	5.17					26.232	30.491	34.649	38.713	42.686	184.0	0.187
147	147	20.620	20.592		4.95										174.7	0.266
200	199	18.020	17.985	36.552	4.69					26.481	30.789	34.995	39.105	43.123	163.7	0.355
231	250	16.900	15.858	36.357	4.22					26.606	30.934	35.160	39.288	43.325	153.3	0.436
297	296	15.900	15.853	36.181	4.30					26.707	31.053	35.297	39.443	43.496	145.0	0.505
345	344	15.180	15.126	36.066	4.18					26.783	31.143	35.400	39.558	43.624	139.1	0.574
397	395	14.230	14.171	35.940	4.19					26.894	31.273	35.547	39.723	43.805	129.6	0.643
448	446	13.380	13.316	35.820	4.27					26.981	31.377	35.668	39.850	43.957	122.3	0.708
498	495	12.900	12.831	35.763	4.19					27.036	31.441	35.742	39.943	44.049	118.2	0.767
550	547	12.210	12.136	35.672	4.07					27.103	31.522	35.837	40.052	44.170	112.7	0.827
595	592	11.630	11.552	35.593	3.76					27.153	31.585	35.912	40.138	44.268	108.5	0.878
689	685	10.420	10.335	35.459	3.47					27.271	31.730	36.082	40.332	44.486	98.2	0.974
803	798	9.000	8.909	35.308	3.26					27.393	31.885	36.268	40.549	44.731	87.0	1.080
903	897	8.010	7.914	35.249	3.50					27.502	32.017	36.423	40.725	44.928	76.9	1.162
1002	995	7.030	6.930	35.141	3.62					27.560	32.099	36.528	40.852	45.077	71.1	1.235
1250	1240	6.180	6.061	35.172	4.41					27.701	32.261	36.711	41.054	45.297	59.7	1.397
1500	1487	5.410	5.273	35.186	4.85					27.811	32.391	36.859	41.221	45.481	50.6	1.535
1755	1739	4.580	4.428	35.117	5.15					27.854	32.456	36.946	41.329	45.609	46.4	1.659
2004	1984	4.020	3.851	35.066	5.42					27.876	32.493	36.998	41.395	45.690	44.5	1.772

STATION 127

OCEANUS 78			LAT = 24 31.9 N			LONG = 29 46.2 W			27/ 3/80			23 OBS.			SONIC DEPTH= 5677m			STATION 129		
PR	DF	T	θ	S	PHY	SIL	N02	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANDM	HEIGHT					
dbar	m	deg C	deg C	o/oo	ml/l															
99	99	21.650	21.650	37.034	5.23				25.880	30.128	34.276	38.330	42.293	213.0	0.000					
172	172	20.950	20.931	37.052	5.05				26.093	30.351	34.510	38.573	42.546	197.1	0.204					
218	217	17.890	17.860	36.472	3.93				26.451	30.761	34.970	39.082	43.102	165.5	0.337					
298	297	16.980	16.944	36.357	4.14				26.586	30.912	35.136	39.264	43.299	154.1	0.409					
333	332	15.580	15.533	36.127	3.86				26.738	31.090	35.340	39.492	43.550	141.9	0.529					
349	348	15.020	14.969	36.055	3.96				26.809	31.172	35.432	39.594	43.662	136.1	0.577					
398	396	14.760	14.707	36.013	4.09				26.834	31.203	35.467	39.634	43.706	134.1	0.599					
451	449	14.050	13.991	35.923	4.13				26.919	31.301	35.579	39.759	43.844	127.1	0.662					
499	497	13.280	13.216	35.817	3.98				26.999	31.397	35.690	39.884	43.983	120.6	0.728					
554	551	12.540	12.472	35.713	3.93				27.068	31.481	35.789	39.997	44.110	114.8	0.785					
604	601	11.770	11.697	35.601	3.38				27.132	31.561	35.885	40.108	44.235	109.5	0.846					
708	704	11.220	11.143	35.528	3.32				27.179	31.620	35.955	40.190	44.328	105.8	0.901					
805	800	9.770	9.686	35.349	2.95				27.297	31.771	36.137	40.401	44.568	95.2	1.005					
915	909	8.440	8.352	35.224	2.87				27.416	31.920	36.317	40.609	44.804	83.9	1.092					
1003	996	7.320	7.227	35.104	3.10				27.489	32.021	36.443	40.761	44.980	76.9	1.180					
1251	1241	6.850	6.752	35.080	3.33				27.537	32.080	36.514	40.843	45.071	72.9	1.246					
1501	1488	5.460	5.323	35.181	4.19				27.692	32.257	36.710	41.059	45.306	60.1	1.411					
1755	1739	4.600	4.448	35.110	5.14				27.801	32.380	36.847	41.207	45.467	51.7	1.550					
2002	1982	4.090	3.921	35.066	5.49				27.847	32.448	36.937	41.320	45.600	47.2	1.676					
2998	2961	2.790	2.544	34.946	6.07				27.868	32.484	36.987	41.383	45.675	45.4	1.790					
4005	3947	2.430	2.083	34.906	5.83				27.904	32.558	37.099	41.530	45.857	42.3	2.227					
5765	5660	2.510	1.939	34.892	5.69				27.911	32.578	37.131	41.575	45.914	44.6	2.665					
									27.911	32.593	37.140	41.587	45.930	54.8	3.540					

STATION 128

OCEANUS 78				129	LAT = 23 34.9 N				LONG = 28 40.8 W				27/ 3/80	20 085.	STATION 129			
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT		
dbar	m	deg C	deg C	o/oo	ml/l													
1	1	21.610	21.610	37.002	5.36					25.867	30.115	34.265	38.319	42.283	214.3	0.001		
99	99	20.650	20.631	37.063	4.97					26.183	30.445	34.608	38.676	42.653	188.5	0.199		
147	147	18.280	18.254	36.610	4.59					26.458	30.761	34.963	39.068	43.082	163.9	0.284		
199	199	16.630	16.597	36.282	3.75					26.611	30.943	35.174	39.307	43.348	150.9	0.367		
248	247	15.420	15.382												141.1	0.437		
297	296	14.550	14.505	35.971	3.69					26.846	31.218	35.487	39.657	43.733	131.1	0.504		
348	347	13.790	13.739	35.892	3.99					26.949	31.336	35.619	39.802	43.892	122.6	0.569		
399	397	13.130	13.074	35.792	3.95					27.009	31.409	35.705	39.902	44.003	118.0	0.630		
449	447	12.610	12.548	35.728	3.93					27.065	31.476	35.783	39.989	44.100	113.7	0.688		
498	496	12.190	12.123	35.678	4.02					27.110	31.530	35.845	40.059	44.178	110.5	0.744		
553	550	11.560	11.488	35.595	3.90					27.167	31.600	35.928	40.155	44.286	106.0	0.803		
599	596	11.030	10.954	35.519	3.50					27.206	31.652	35.991	40.229	44.370	102.8	0.851		
701	697	9.700	9.619	35.371	3.15					27.326	31.801	36.169	40.434	44.602	92.2	0.950		
801	796	8.440	8.353												84.2	1.038		
903	897	7.580	7.487	35.169	3.30					27.503	32.028	36.444	40.756	44.968	76.0	1.120		
999	992	6.980	6.881	35.141	3.59					27.567	32.107	36.537	40.862	45.088	70.3	1.190		
1250	1240	6.080	5.962	35.156	4.21					27.702	32.264	36.716	41.062	45.307	59.4	1.353		
1503	1490	5.290	5.155	35.147	4.65					27.795	32.377	36.849	41.214	45.477	51.7	1.493		
1750	1734	4.620	4.468	35.111	5.06					27.845	32.446	36.935	41.317	45.596	47.4	1.616		
2000	1981	4.050	3.881	35.068	5.36					27.874	32.491	36.995	41.391	45.685	44.7	1.731		

STATION 129

OCEANUS 78		131	LAT = 22 53.3 N			LONG = 29 28.9 W			28/ 3/80	20 DBS.	SONIC DEPTH= 5660m				STATION 131	
PR	DF	T	A	S	OXY	PHOS	SIL	NO2	N+M	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
1	1	22.560	22.560	37.074	5.25					25.652	29.887	34.023	38.064	42.015	234.7	0.001
107	107	21.330	21.309	37.191	5.36					26.094	30.346	34.499	38.556	42.523	197.4	0.231
209	209	18.370	18.333	36.612	4.56					26.440	30.741	34.942	39.046	43.059	168.1	0.419
246	245	16.900	16.859	36.363	4.39					26.611	30.938	35.164	39.293	43.329	152.7	0.477
292	291	15.560	15.514	36.137	4.07					26.750	31.103	35.352	39.504	43.563	140.6	0.544
317	316	15.130	15.081	36.066	3.99					26.793	31.154	35.411	39.571	43.637	137.2	0.579
344	343	14.670	14.618	35.999	3.90					26.843	31.213	35.479	39.647	43.721	133.0	0.616
395	393	13.760	13.703	35.881	3.93					26.948	31.336	35.619	39.804	43.894	124.1	0.681
447	445	13.030	12.967	35.788	3.99					27.027	31.430	35.728	39.926	44.030	117.6	0.744
497	495	12.410	12.342	35.703	4.01					27.086	31.502	35.812	40.023	44.138	112.9	0.802
548	545	11.740	11.668	35.616	3.78					27.149	31.579	35.903	40.127	44.254	107.7	0.858
594	591	11.170	11.094	35.532	3.46					27.191	31.633	35.969	40.204	44.343	104.3	0.907
696	692	9.650	9.569	35.334	2.75					27.305	31.782	36.151	40.417	44.587	93.9	1.008
798	793	8.460	8.373	35.212	2.92					27.403	31.907	36.303	40.596	44.789	85.0	1.099
899	893	7.390	7.299	35.122	3.22					27.493	32.023	36.444	40.760	44.977	76.4	1.190
1000	993	6.630	6.534	35.045	3.43					27.539	32.088	36.527	40.861	45.095	72.1	1.255
1249	1240	5.590	5.477	35.074	4.32					27.698	32.273	36.737	41.095	45.352	58.3	1.418
1503	1490	4.950	4.819	35.099	4.83					27.796	32.388	36.868	41.241	45.513	50.3	1.556
1748	1732	4.320	4.172	35.066	5.14					27.842	32.451	36.947	41.337	45.624	46.3	1.674
2000	1981	3.770	3.606	35.021	5.36					27.865	32.489	37.001	41.404	45.705	44.2	1.788

STATION 131

OCEANUS 7A			132	LAT = 23 20.2 N			LONG = 30 25.6 W			28/ 3/80	23 ORS.	SONIC DEPTH= 5610m				STATION 132	
PR	DE	m	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar			deg C	deg C	o/oo	ml/l											
1	1		22.210	22.210	37.196	5.20					25.845	30.084	34.224	38.269	42.224	216.4	0.001
99	99		21.210	21.191	37.160	5.13					26.103	30.957	34.511	38.571	42.540	196.1	0.204
149	149		18.950	18.923	36.724	4.84					26.375	30.667	34.857	38.952	42.955	172.0	0.297
175	175		18.340	18.309	36.616	4.59					26.449	30.751	34.952	39.056	43.069	165.9	0.341
235	234		17.010	16.971	36.370	4.32					26.589	30.915	35.139	39.266	43.300	154.4	0.436
320	319		15.230	15.180	36.081	4.21					26.782	31.141	35.397	39.555	43.619	138.3	0.561
350	349		14.610	14.557	35.992	4.17					26.851	31.222	35.489	39.658	43.734	132.4	0.602
400	398		13.680	13.622	35.865						26.952	31.342	35.627	39.813	43.905	123.8	0.665
450	448		12.960	12.897	35.767	3.72					27.025	31.330	35.729	39.929	44.034	117.8	0.726
501	499		12.270	12.202	35.678	3.66					27.094	31.513	35.826	40.039	44.157	112.1	0.785
550	547		11.770	11.698	35.608	3.64					27.137	31.566	35.890	40.113	44.240	108.9	0.838
601	598		10.990	10.914	35.511	3.27					27.207	31.554	35.994	40.232	44.375	102.7	0.893
701	697		9.600	9.518	35.352	3.20					27.328	31.805	36.175	40.443	44.613	91.9	0.990
800	795		8.260	8.174	35.207	3.16					27.430	31.939	36.339	40.636	44.834	82.2	1.076
902	896		7.230	7.139	35.109	3.50					27.505	32.039	36.464	40.784	45.004	75.0	1.156
1001	994		6.450	6.355	35.066	3.67					27.579	32.133	36.576	40.914	45.151	67.9	1.227
1248	1238		5.580	5.467	35.079	4.31					27.703	32.278	36.743	41.101	45.358	57.7	1.382
1499	1486		5.000	4.868	35.102	4.80					27.793	32.383	36.862	41.234	45.505	50.7	1.518
1751	1735		4.340	4.192	35.067	5.05					27.840	32.449	36.945	41.334	45.620	46.6	1.641
2002	1983		3.900	3.733	35.041						27.868	32.489	36.997	41.397	45.694	44.6	1.755
3002	2966		2.750	2.504	34.942	5.56					27.905	32.560	37.101	41.533	45.861	42.0	2.188
4002	3944		2.400	2.054	34.901	5.80					27.909	32.577	37.131	41.576	45.915	44.5	2.620
5700	5597		2.480	1.919	34.890	5.81					27.911	32.583	37.141	41.589	45.932	54.1	3.457

STATION 132

OCEANUS 78		133	LAT = 23 44.5 N		LONG = 31 26.5 W		29/ 3/80	20 DRS.	SONIC DEPTH= 5825m						STATION 133	
PR	DE	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
3	3	22.310	22.309	37.295	5.26					25.892	30.129	34.266	38.310	42.263	212.0	0.003
101	101	21.430	21.410	37.221	5.36					26.089	30.339	34.490	38.546	42.512	197.6	0.205
146	146	19.390	19.363	36.798	4.69					26.318	30.602	34.785	38.873	42.870	177.4	0.290
198	198	17.870	17.836	36.531	4.51					26.502	30.812	35.021	39.133	43.154	161.6	0.378
249	249	16.600	16.559	36.300	4.39					26.634	30.967	35.198	39.332	43.373	150.6	0.457
299	298	15.630	15.583	36.126	3.69					26.726	31.077	35.326	39.477	43.535	143.1	0.531
349	348	14.960	14.906	36.034	3.77					26.807	31.171	35.432	39.595	43.664	136.8	0.601
400	398	14.230	14.171	35.936	3.86					26.891	31.270	35.545	39.721	43.803	130.0	0.668
452	450	13.270	13.206	35.826	4.03					27.008	31.406	35.699	39.893	43.992	119.8	0.734
498	496	12.600	12.532	35.735	4.11					27.074	31.485	35.792	39.999	44.110	114.3	0.788
543	540	11.840	11.768	35.629	3.99					27.140	31.568	35.890	40.111	44.237	108.5	0.837
594	591	11.140	11.064	35.548	3.94					27.209	31.652	35.988	40.224	44.363	102.6	0.892
694	690	9.730	9.648	35.391	3.32					27.336	31.811	36.178	40.442	44.609	91.1	0.988
796	791	8.510	8.423	35.254	3.20					27.428	31.931	36.325	40.617	44.809	82.7	1.077
898	892	7.570	7.478	35.183	3.49					27.515	32.040	36.457	40.769	44.981	74.7	1.157
999	992	6.800	6.702	35.142	3.87					27.592	32.137	36.571	40.900	45.130	67.5	1.229
1248	1238	5.770	5.655	35.128	4.46					27.718	32.289	36.748	41.102	45.354	56.9	1.384
1496	1483	5.030	4.898	35.118	4.93					27.802	32.391	36.869	41.241	45.510	50.0	1.516
1725	1709	4.500	4.352	35.099	5.30					27.848	32.452	36.944	41.329	45.611	46.3	1.626
1997	1978	3.920	3.754	35.051	5.45					27.874	32.494	37.001	41.401	45.698	44.1	1.749

STATION 133

OCEANUS 7A		134	LAT = 24 7.4 N			LONG = 32 29.3 W			29/ 3/80	21 OBS.	SONIC DEPTH= 5828m				STATION 134	
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
11	11	22.460	22.458	37.306	5.21					25.858	30.092	34.228	38.269	42.220	215.6	0.012
100	100	21.110	21.090	37.222	5.19					26.178	30.433	34.588	38.649	42.619	189.1	0.193
171	171	19.330	18.300	36.610	5.04					26.447	30.749	34.950	39.055	43.067	166.0	0.320
203	202	17.570	17.535	36.467	4.57					26.527	30.842	35.056	39.174	43.199	159.3	0.370
235	234	16.910	16.871	36.347	4.38					26.596	30.923	35.149	39.277	43.313	153.8	0.421
321	320	15.080	15.030	36.058	4.32					26.798	31.160	35.418	39.579	43.646	136.8	0.546
353	352	14.700	14.646	36.001	4.31					26.838	31.208	35.474	39.641	43.715	133.8	0.590
400	398	14.040	13.981	35.910	4.35					26.911	31.294	35.572	39.752	43.837	127.9	0.651
448	446	13.230	13.167	35.809	4.30					27.003	31.402	35.696	39.890	43.990	120.1	0.710
504	501	12.610	12.541	35.728	4.12					27.066	31.478	35.784	39.991	44.102	115.2	0.776
553	550	11.780	11.707	35.626	3.98					27.149	31.578	35.902	40.124	44.251	107.9	0.831
609	606	10.960	10.883	35.519	3.66					27.219	31.666	36.007	40.246	44.389	101.8	0.890
706	702	9.810	9.726	35.391	3.38					27.323	31.796	36.161	40.424	44.590	92.8	0.984
809	804	8.460	8.372	35.260	3.29					27.441	31.945	36.340	40.632	44.826	81.7	1.074
903	897	7.630	7.537	35.196	3.50					27.517	32.041	36.455	40.766	44.977	74.8	1.147
1000	993	6.890	6.791	35.144	3.73					27.582	32.124	36.556	40.883	45.111	68.8	1.217
1250	1240	6.040	5.923	35.165	4.57					27.714	32.277	36.730	41.077	45.323	58.1	1.375
1501	1488	5.130	4.997	35.132	4.92					27.801	32.388	36.864	41.233	45.500	50.4	1.512
1731	1715	4.450	4.302	35.093	5.35					27.849	32.454	36.948	41.334	45.617	46.0	1.623
2003	1983	3.910	3.743	35.051	5.45					27.875	32.495	37.003	41.403	45.700	44.0	1.745
5923	5814	2.500	1.908	34.887	5.84					27.910	32.582	37.140	41.588	45.932	55.6	3.698

STATION 134

OCEANUS 78		135	LAT = 24 31.5 N LONG = 33 29.7 W										30/ 3/80	20 DMS.	STATION 135			
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+M	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT		
dbar	m	deg C	deg C	o/oo	ml/l													
1	1	22.440	22.440	37.372	5.09					25.913	30.147	34.283	38.324	42.275	209.9	0.001		
99	99	22.060	22.040	37.361	5.29					26.018	30.259	34.400	38.447	42.403	204.3	0.205		
150	150	19.120	19.093	36.707	4.74					26.319	30.607	34.796	38.888	42.889	177.4	0.303		
201	201	17.830	17.795	36.499	4.73					26.488	30.799	35.008	39.121	43.143	163.1	0.390		
251	250	17.220	17.178	36.399	4.66					26.562	30.884	35.104	39.227	43.259	157.7	0.469		
301	300	16.320	16.271	36.251	4.52					26.664	31.002	35.238	39.377	43.423	149.5	0.546		
349	348	15.360	15.305	36.101	4.44					26.769	31.126	35.380	39.535	43.598	140.6	0.616		
399	397	14.670	14.610	35.997	4.40					26.843	31.213	35.480	39.648	43.722	134.8	0.684		
447	445	13.740	13.675	35.860	4.45					26.937	31.326	35.610	39.795	43.886	126.7	0.748		
500	498	13.020	12.950	35.776	4.21					27.022	31.425	35.723	39.922	44.026	119.7	0.813		
550	547	12.440	12.365	35.705	4.04					27.083	31.498	35.808	40.018	44.133	114.7	0.871		
599	596	11.920	11.840	35.634	4.01					27.130	31.556	35.877	40.097	44.222	111.1	0.927		
698	694	10.750	10.663	35.491	3.67					27.237	31.689	36.034	40.278	44.425	102.0	1.032		
801	796	9.470	9.377	35.353	3.44					27.352	31.833	36.206	40.476	44.649	91.6	1.132		
902	896	8.170	8.073	35.235	3.43					27.467	31.978	36.381	40.679	44.879	80.5	1.219		
999	992	7.210	7.109	35.156						27.547	32.081	36.506	40.826	45.047	72.8	1.293		
1251	1241	6.010	5.893	35.147	4.32					27.703	32.268	36.721	41.069	45.316	59.0	1.459		
1503	1490	5.370	5.234	35.170	4.88					27.803	32.384	36.853	41.216	45.478	51.2	1.598		
1750	1734	4.690	4.538		5.09					27.877	32.492	36.995	41.390	45.682	48.0	1.721		
2005	1985	4.110	3.940	35.080	5.62										44.7	1.839		

STATION 135

OCEANUS 78		136	LAT = 25 36.8 N				LONG = 32 2.8 W		30/ 3/80	20 DRS.	SONIC DEPTH= 579m				STATION 136	
PR	DE	T	θ	S	oxy	PHOS	SIL	N02	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
2	2	21.780	21.780	37.253	5.16					26.010	30.255	34.400	38.451	42.411	200.7	0.002
102	102	21.060	21.040	37.227	5.34					26.196	30.451	34.608	38.669	42.639	187.5	0.197
151	151	18.970	18.943	36.738	4.98					26.381	30.672	34.862	38.957	42.959	171.5	0.285
202	201	17.970	17.935	36.539	4.58					26.484	30.792	34.999	39.110	43.129	163.5	0.370
253	252	17.020	16.978	36.368	4.46					26.586	30.912	35.135	39.262	43.297	155.4	0.452
302	301	16.070	16.021	36.228	4.30					26.704	31.047	35.287	39.430	43.481	145.6	0.526
351	350	15.090	15.036	36.070	4.28					26.806	31.167	35.426	39.586	43.653	137.0	0.595
402	400	14.310	14.250	35.945	3.97					26.881	31.258	35.531	39.706	43.787	131.0	0.663
451	449	13.610	13.545	35.853	3.76					26.959	31.350	35.637	39.824	43.918	124.7	0.726
501	498	12.980	12.910	35.771	3.86					27.026	31.430	35.729	39.928	44.033	119.3	0.785
552	549	12.350	12.275	35.688	3.83					27.088	31.505	35.817	40.028	44.145	114.3	0.846
602	599	11.710	11.631	35.604	3.59					27.147	31.577	35.902	40.127	44.255	109.4	0.903
704	700	10.430	10.344	35.448	3.46					27.261	31.719	36.072	40.322	44.475	99.5	1.009
806	801	9.580	9.485	35.376	3.32					27.352	31.830	36.200	40.469	44.639	92.0	1.107
904	898	8.230	8.132	35.242	3.40					27.464	31.973	36.374	40.672	44.870	81.0	1.191
1001	994	7.480	7.377	35.201	3.60					27.544	32.071	36.490	40.804	45.018	73.7	1.266
1248	1238	6.080	5.962	35.152	4.25					27.698	32.261	36.713	41.059	45.304	59.7	1.431
1502	1489	5.230	5.095	35.134	5.13					27.791	32.376	36.849	41.215	45.480	51.7	1.572
1751	1735	4.660	4.507	35.120	5.22					27.848	32.448	36.935	41.316	45.595	47.3	1.696
2002	1982	4.150	3.980	35.078	5.43					27.872	32.486	36.987	41.381	45.672	45.4	1.812

STATION 136

OCEANUS 78		137	LAT = 26 10.9 N				LONG = 33 44.2 W				30/ 3/80	23 NRS.	SONIC DEPTH= 5423m				STATION 137	
PR	DE	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT		
dbar	m	deg C	deg C	o/oo	ml/l													
5	5	21.830	21.829	37.198	5.20					25.954	30.198	34.344	38.394	42.354	206.2	0.005		
99	99	21.160	21.141	37.130	5.21					26.094	30.349	34.504	38.565	42.534	197.0	0.196		
155	155	18.450	18.423	36.598	4.64					26.407	30.707	34.906	39.009	43.020	169.2	0.299		
199	198	17.660	17.626	36.468	4.67					26.506	30.820	35.032	39.148	43.172	161.2	0.370		
250	249	16.950	16.908	36.357	4.67					26.594	30.921	35.146	39.274	43.309	154.5	0.451		
298	297	16.190	16.142	36.232	4.59					26.679	31.020	35.258	39.399	43.448	147.8	0.524		
362	360	15.150	15.094	36.062	4.54					26.787	31.147	35.405	39.564	43.630	139.2	0.615		
400	398	14.750	14.689	36.005	4.57					26.832	31.201	35.466	39.632	43.705	135.9	0.668		
448	446	13.930	13.864	35.884	4.40					26.916	31.301	35.582	39.763	43.851	128.9	0.732		
499	496	13.040	12.970	35.768	4.36					27.011	31.414	35.712	39.911	44.014	120.6	0.795		
550	547	12.490	12.415	35.692	4.42					27.063	31.478	35.787	39.996	44.110	116.6	0.856		
601	598	11.890	11.810	35.628	4.35					27.131	31.558	35.879	40.100	44.225	111.0	0.914		
702	698	10.740	10.652	35.498	4.01					27.245	31.697	36.042	40.286	44.433	101.4	1.021		
800	795	9.320	9.228	35.354	3.68					27.377	31.861	36.238	40.511	44.687	89.0	1.114		
898	892	8.190	8.093	35.255	3.90					27.480	31.990	36.392	40.690	44.889	79.3	1.197		
1000	993	7.090	6.990	35.174	4.23					27.578	32.115	36.542	40.865	45.088	69.6	1.273		
1249	1239	5.990	5.873	35.170						27.724	32.289	36.742	41.090	45.338	57.0	1.430		
1501	1488	5.300	5.165	35.169	5.24					27.811	32.393	36.864	41.229	45.492	50.2	1.565		
1751	1735	4.650	4.497	35.129	5.30					27.856	32.456	36.944	41.325	45.604	46.5	1.686		
2006	1986	4.000	3.832	35.066	5.60					27.856	32.496	37.001	41.399	45.694	44.2	1.802		
3000	2963	2.720	2.475	34.941	5.57					27.906	32.562	37.104	41.537	45.866	41.6	2.228		
4002	3944	2.440	2.093	34.907	5.63					27.911	32.578	37.131	41.574	45.913	44.7	2.661		
5503	5405	2.430	1.897	34.896	5.59					27.918	32.590	37.148	41.597	45.941	51.9	3.386		

STATION 137

OCEANUS 78		138	LAT = 27 54.3 N				LONG = 33 59.6 W				31/ 3/80	20 DRS.	SONIC DEPTH= 4850m				STATION 138	
PR	DF	T	H	S	OXY	PHOS	SIL	N02	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	STATION 138	
dbar	m	deg C	deg C	g/100	ml/l													
4	4	21.100	21.099	37.119	5.23					26.097	30.353	34.509	38.570	42.540	192.5	0.004		
97	97	21.030	21.011	37.117	5.22					26.120	30.377	34.534	38.596	42.568	194.4	0.185		
150	150	19.330	19.304	36.565	4.85					26.411	30.714	34.915	39.020	43.033	168.5	0.281		
199	198	17.520	17.496	36.440	4.56					26.518	30.835	35.050	39.168	43.194	160.0	0.361		
250	249	16.890	16.848	36.338	4.51					26.594	30.922	35.148	39.277	43.314	154.5	0.441		
300	299	16.260	16.211	36.259	4.72					26.684	31.023	35.260	39.400	43.447	147.5	0.517		
352	350	15.590	15.535	36.135	4.68					26.744	31.096	35.346	39.497	43.556	143.2	0.592		
401	399	14.780	14.719	36.008	4.64					26.828	31.196	35.460	39.627	43.699	136.4	0.661		
452	450	14.150	14.083	35.909	4.58					26.889	31.269	35.546	39.724	43.807	131.8	0.730		
501	498	13.480	13.408	35.806	4.54					26.951	31.345	35.635	39.825	43.921	126.8	0.792		
558	555	12.790	12.712	35.708	4.51					27.017	31.425	35.728	39.932	44.040	121.6	0.864		
602	599	12.290	12.208	35.645	4.35					27.067	31.486	35.800	40.013	44.131	117.5	0.917		
707	703	11.150	11.059	35.540	4.14					27.203	31.646	35.983	40.219	44.358	106.0	1.034		
807	802	9.880	9.784	35.415	3.89					27.332	31.803	36.167	40.429	44.593	94.4	1.134		
906	900	8.800	8.698	35.326	3.87					27.441	31.937	36.325	40.610	44.796	84.3	1.222		
1002	995	7.600	7.496	35.232	3.90					27.551	32.075	36.491	40.802	45.014	73.3	1.298		
1249	1239	6.140	6.022	35.196	4.64					27.725	32.286	36.736	41.081	45.324	57.4	1.459		
1501	1488	5.580	5.441	35.224	5.12					27.821	32.396	36.860	41.217	45.474	50.3	1.595		
1751	1735	4.770	4.616	35.156	5.41					27.864	32.461	36.946	41.324	45.599	46.3	1.716		
2004	1984	4.120	3.950	35.080	5.71					27.876	32.491	36.993	41.388	45.680	44.9	1.831		

PR	QF	T	Q	S	OXY	PHOS	SIL	N02	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	STATION
dbar	m	deg C	deg C	o/oo	ml/l												139
3	3	21.560	21.559	37.227	5.10					26.052	30.300	34.449	38.503	42.466	196.8	0.003	
97	97	21.130	21.111	37.212	5.10					26.165	30.419	34.575	38.635	42.605	190.2	0.180	
151	151	19.210	19.182	36.830	4.79					26.389	30.676	34.862	38.952	42.951	170.8	0.284	
198	197	18.170	18.135	36.578	4.60					26.463	30.768	34.972	39.080	43.095	165.3	0.362	
249	248	17.140	17.098	36.395	4.58					26.578	30.901	35.123	39.248	43.280	156.1	0.444	
299	298	16.340	16.291	36.255	4.45					26.662	31.000	35.236	39.374	43.420	149.6	0.521	
349	348	15.390	15.335	36.105	4.44					26.766	31.122	35.375	39.530	43.592	141.0	0.594	
398	396	14.630	14.570	35.991	4.38					26.847	31.218	35.485	39.654	43.729	134.3	0.661	
450	448	13.880	13.814	35.900	4.25					26.939	31.325	35.606	39.789	43.877	126.8	0.729	
504	501	13.130	13.059	35.789	4.32					27.010	31.410	35.707	39.903	44.005	121.0	0.795	
551	548	12.500	12.425	35.703	4.23					27.070	31.484	35.793	40.002	44.115	116.1	0.851	
595	592	11.840	11.761	35.625	4.12					27.138	31.566	35.888	40.110	44.236	110.1	0.901	
698	694	10.510	10.424	35.469	3.57					27.263	31.720	36.070	40.319	44.470	99.3	1.009	
799	794	9.360	9.268	35.365	3.60					27.379	31.862	36.238	40.519	44.685	88.8	1.104	
906	900	7.920	7.824	35.218	3.67					27.491	32.008	36.416	40.721	44.926	77.8	1.193	
998	991	7.290	7.189	35.190	3.81					27.554	32.087	36.509	40.828	45.066	72.2	1.262	
1253	1243	6.140	6.021	35.184	4.64					27.716	32.277	36.727	41.072	45.315	58.3	1.428	
1500	1487	5.620	5.481	35.214	5.01					27.808	32.382	36.845	41.202	45.458	51.6	1.564	
1749	1733	4.860	4.705	35.165	5.33					27.861	32.456	36.938	41.314	45.587	46.9	1.687	
2001	1981	4.100	3.930	35.083	5.76					27.881	32.496	36.999	41.394	45.686	44.3	1.802	

OCEANUS 7A		140	LAT = 26 43.2 N				LONG = 30 39.5 W				1/ 4/80	23 OBS.	SONIC DEPTH= 5657m					STATION 140	
PQ	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
char	m	deg C	deg C	o/oo	ml/l														
2	2	21.700	21.700	37.155	5.24					25.958	30.204	34.351	38.404	42.366	205.7	0.002			
142	142	20.770	20.743	37.156	5.12					26.223	30.484	34.645	38.710	42.685	186.6	0.278			
188	188	18.360	18.327	36.614	4.84					26.443	30.745	34.945	39.049	43.062	167.0	0.360			
246	245	17.270	17.228	36.415	4.71					26.562	30.883	35.102	39.225	43.255	157.5	0.453			
271	270	16.990	16.945	36.366						26.593	30.919	35.143	39.270	43.305	155.4	0.492			
297	296	16.300	16.252	36.260	4.40					26.675	31.014	35.250	39.389	43.436	148.2	0.532			
347	346	15.370	15.316	36.106	4.30					26.771	31.127	35.381	39.536	43.598	140.4	0.605			
363	361	15.170	15.114	36.070	4.38					26.788	31.149	35.406	39.565	43.631	139.1	0.626			
403	401	14.470	14.409	35.979	4.37					26.873	31.247	35.517	39.689	43.766	132.0	0.680			
453	451	13.600	13.535	35.851	4.44					26.960	31.351	35.638	39.826	43.919	124.7	0.745			
503	500	13.060	12.990		4.49										119.6	0.805			
601	598	11.800	11.721	35.627	4.31					27.147	31.576	35.899	40.122	44.248	109.4	0.918			
697	693	10.640	10.553	35.492	3.87					27.258	31.712	36.059	40.305	44.454	99.9	1.018			
794	789	9.470	9.378	35.373	3.61					27.367	31.848	36.221	40.491	44.664	90.0	1.110			
898	892	8.460	8.362	35.287	3.66					27.464	31.968	36.363	40.655	44.849	81.4	1.200			
1002	995	7.440	7.337	35.231	3.87					27.573	32.101	36.520	40.835	45.050	70.9	1.279			
1246	1236	6.500	6.379	35.259	4.49					27.728	32.280	36.721	41.057	45.292	58.1	1.436			
1347	1336	6.090	5.962	35.251	4.72					27.777	32.338	36.789	41.135	45.380	53.9	1.493			
1499	1486	5.530	5.392	35.218	4.81					27.822	32.398	36.863	41.222	45.480	50.0	1.572			
1999	1979	3.970	3.803	35.067	5.64					27.881	32.500	37.006	41.405	45.700	43.6	1.806			
3000	2963	2.740	2.495	34.942	5.69					27.906	32.561	37.102	41.535	45.863	41.8	2.233			
4009	3950	2.440	2.092	34.905	5.69					27.910	32.576	37.129	41.573	45.911	44.9	2.671			
5728	5623	2.480	1.916	34.889	5.71					27.910	32.582	37.140	41.588	45.931	54.4	3.524			
																	STATION 140		

STATION 140

OCEANUS 7A		141	LAT = 28 14.5 N				LONG = 30 53.6 W				1/ 4/80	20 095.	STATION 141			
PR	DF	T	R	S	OXY	PHOS	SIL	N02	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
4	4	20.680	20.679	36.985	5.14					26.110	30.373	34.535	38.603	42.580	191.3	0.004
99	99	19.920	19.901	36.978	5.25					26.314	30.588	34.762	38.841	42.829	176.0	0.179
149	149	19.680	19.652	36.938	5.12					26.349	30.628	34.806	38.889	42.880	174.7	0.267
199	199	17.350	17.316	36.422	4.72					26.546	30.865	35.083	39.204	43.233	157.3	0.349
251	250	16.670	16.629	36.329	4.71					26.639	30.971	35.201	39.333	43.373	150.1	0.430
300	299	15.980	15.932	36.203	4.58					26.705	31.050	35.292	39.437	43.489	145.3	0.502
350	348	15.130	15.076	36.058	4.54					26.788	31.149	35.407	39.566	43.633	138.7	0.572
399	397	14.380	14.320	35.962	4.63					26.879	31.255	35.527	39.700	43.779	131.2	0.639
450	448	13.750	13.685	35.854	4.67					26.931	31.319	35.603	39.788	43.879	127.4	0.705
498	495	13.140	13.070	35.779	4.53					27.000	31.400	35.696	39.893	43.995	121.8	0.765
552	549	12.540	12.464	35.693	4.46					27.054	31.468	35.776	39.984	44.097	117.6	0.830
599	596	11.810	11.731	35.605	4.37					27.128	31.557	35.880	40.103	44.229	111.1	0.884
701	697	10.890	10.792	35.523	4.22					27.239	31.688	36.030	40.271	44.416	102.1	0.992
793	788	10.050	9.954	35.463	4.07					27.340	31.807	36.167	40.425	44.586	93.6	1.082
901	895	9.100	8.997	35.422	4.03					27.468	31.957	36.338	40.615	44.795	82.3	1.177
1000	993	8.300	8.191	35.393	4.09					27.573	32.080	36.479	40.774	44.970	72.9	1.254
1251	1241	6.950	6.824	35.370	4.63					27.755	32.295	36.725	41.050	45.275	57.1	1.417
1501	1488	5.670	5.530	35.256	5.20					27.835	32.408	36.869	41.224	45.479	49.3	1.550
1751	1735	4.700	4.547	35.150	5.51					27.867	32.466	36.952	41.332	45.609	45.7	1.669
2000	1980	4.000	3.832	35.102	5.66					27.906	32.524	37.029	41.426	45.721	41.5	1.777

STATION 141

OCEANUS 78			142	LAT = 28 55.6 N			LONG = 32 29.7 W			2/ 4/80	23 OBS.	SONIC DEPTH= 5148m				STATION 142	
PR	DF	T	B	S	OXY	PHOS	SIL	NO2	N+N	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	
dbar	m	deg C	deg C	o/oo	ml/l												
1	1	21.130	21.130	37.008	5.21					26.004	30.260	34.416	38.477	42.448	201.2	0.001	
98	98	20.760	20.741	37.087	5.22					26.171	30.432	34.593	38.659	42.635	189.6	0.192	
175	175	18.190	18.159	36.549	4.74					26.435	30.740	34.944	39.051	43.066	167.1	0.330	
249	248	17.260	17.218	36.399	4.80					26.552	30.873	35.093	39.216	43.246	158.6	0.449	
280	279	16.930	16.883	36.344	4.68					26.590	30.918	35.143	39.272	43.307	155.9	0.498	
300	299	16.630	16.581	36.296	4.82					26.626	30.958	35.189	39.323	43.363	153.2	0.529	
349	347	15.900	15.844	36.182	4.60					26.709	31.056	35.300	39.446	43.499	146.6	0.602	
398	396	15.190	15.128	36.068	4.67					26.784	31.144	35.401	39.559	43.625	140.8	0.673	
448	446	14.240	14.173	35.929	4.49					26.885	31.264	35.539	39.715	43.797	132.1	0.741	
494	491	13.610	13.539	35.837	4.61					26.948	31.339	35.626	39.814	43.907	127.0	0.800	
544	541	13.040	12.963	35.758	4.40					27.005	31.408	35.706	39.905	44.009	122.6	0.863	
595	592	12.270	12.189	35.666	4.45					27.087	31.506	35.820	40.034	44.152	115.4	0.924	
696	692	10.990	10.902	35.523	4.29					27.219	31.665	36.006	40.245	44.387	104.0	1.035	
798	793	9.680	9.586	35.411	3.93					27.362	31.838	36.206	40.472	44.640	91.0	1.134	
899	893	8.780	8.679	35.341	3.88					27.456	31.952	36.341	40.626	44.812	82.7	1.222	
1000	993	7.900	7.794	35.295	4.28					27.556	32.073	36.482	40.786	44.991	73.5	1.301	
1249	1239	6.580	6.457	35.273	4.61					27.729	32.278	36.717	41.051	45.285	58.4	1.465	
1500	1487	5.730	5.590	35.245						27.819	32.390	36.850	41.204	45.457	51.0	1.602	
1752	1735	4.870	4.714	35.174	5.48					27.867	32.461	36.943	41.319	45.592	46.4	1.725	
2001	1981	4.150	3.980	35.087	5.86					27.879	32.493	36.994	41.388	45.679	44.8	1.839	
3001	2963	2.770	2.524	34.946	5.67					27.906	32.561	37.101	41.533	45.861	42.0	2.272	
3997	3938	2.460	2.113	34.908	5.80					27.910	32.577	37.129	41.571	45.910	45.0	2.705	
5224	5133	2.450	1.953	34.897	5.76					27.914	32.585	37.142	41.589	45.931	51.0	3.294	

STATION 142

ATLANTIS II-107 107										LAT = 34 35.1 N				LONG = 28 17.8 W				20/ 7/81 12 OBS.				SONIC DEPTH= 3310m				STATION 107	
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT											
dbar	m	deg C	deg C	o/oo	ml/l																						
1	1	22.174	22.174	34.933	5.11					24.138	28.391	32.545	36.603	40.570	378.8	0.002											
286	285	15.833	15.787	36.189	4.87					26.728	31.075	35.320	39.467	43.521	142.6	0.747											
488	485	12.966	12.898	35.746	4.79					27.009	31.413	35.713	39.913	44.018	120.5	1.012											
742	737	10.595	10.503	35.522	4.56					27.290	31.745	36.093	40.340	44.490	98.0	1.290											
1097	1088	8.429	8.307	35.526	4.45					27.659	32.163	36.558	40.849	45.042	67.1	1.582											
1801	1783	4.629	4.472	35.098	5.89					27.834	32.435	36.924	41.306	45.585	49.0	1.991											
2007	1986	3.988	3.820	35.027	6.03					27.848	32.466	36.972	41.371	45.666	46.9	2.090											
2205	2181	3.634	3.452	34.994	6.03					27.859	32.487	37.003	41.411	45.715	45.8	2.182											
2412	2384	3.365	3.167	34.976	6.11					27.872	32.508	37.032	41.447	45.758	44.8	2.275											
2612	2580	3.193	2.978	34.967	6.01					27.882	32.524	37.053	41.472	45.789	44.4	2.364											
2712	2678	3.116	2.892	34.962						27.886	32.530	37.061	41.483	45.802	44.3	2.409											
3008	2969	2.955	2.704	34.955	5.90					27.898	32.547	37.083	41.510	45.833	44.2	2.540											

STATION 107

ATLANTIS II-109 110										LAT = 31 54.3 N LONG = 30 51.1 W										21/ 7/81 12 ORS. SONIC DEPTH= 4027m										STATION 110	
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT															
dbar	m	deg C	deg C	o/oo	ml/l																										
9	9	23.768	23.766	36.655	4.97					24.983	29.203	33.325	37.353	41.290	298.7	0.014															
70	70	19.330	19.317	36.582	5.44					26.165	30.451	34.637	38.726	42.725	188.8	0.164															
146	146	18.227	18.201	36.506	4.97					26.392	30.696	34.899	39.006	43.021	170.1	0.301															
590	586	12.086	12.007	35.628	4.66					27.093	31.516	35.834	40.051	44.172	114.5	0.933															
979	971	8.563	8.454	35.444	4.36					27.572	32.073	36.465	40.754	44.945	73.1	1.297															
1837	1818	4.393	4.236	35.085	5.77					27.850	32.457	36.952	41.340	45.625	46.9	1.811															
2715	2682	3.084	2.861	34.969	5.86					27.895	32.540	37.071	41.494	45.813	43.3	2.207															
2909	2873	2.959	2.718	34.958	5.82					27.899	32.548	37.083	41.510	45.832	43.4	2.292															
3116	3075	2.845	2.585	34.949	5.79					27.903	32.556	37.095	41.525	45.851	43.6	2.381															
3316	3271	2.763	2.484	34.942	5.71					27.906	32.562	37.104	41.537	45.865	44.0	2.469															
3518	3468	2.669	2.370	34.931	5.73					27.907	32.566	37.111	41.547	45.879	44.3	2.558															
3818	3762	2.564	2.235	34.919	5.68					27.909	32.572	37.121	41.560	45.895	45.0	2.692															

STATION 110

ATLANTIS II-109 111										LAT = 31 17.5 N LONG = 31 43.4 W										21/ 7/81 24 OBS. SONIC DEPTH= 4523m										STATION 111									
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																							
dbar	m	deg C	deg C	o/oo	ml/l																																		
1	1	24.155	24.155	36.671	4.97					24.879	29.095	33.211	37.233	41.165	308.2	0.002																							
196	195	17.375	17.342	36.404	4.87					26.526	30.845	35.063	39.183	43.212	159.1	0.459																							
232	231	16.908	16.869	36.335						26.587	30.914	35.140	39.269	43.305	154.5	0.515																							
294	293	16.138	16.090	36.225	4.69					26.686	31.027	35.267	39.409	43.458	147.0	0.609																							
382	380	14.880	14.822	36.022	4.64					26.816	31.182	35.445	39.609	43.680	136.9	0.734																							
394	392	14.709	14.649	35.994	4.66					26.832	31.202	35.468	39.635	43.709	135.7	0.750																							
596	592	12.158	12.078	35.641	4.60					27.090	31.511	35.827	40.043	44.163	115.1	1.003																							
796	791	10.024	9.928	35.446	4.22					27.331	31.799	36.160	40.419	44.580	94.4	1.213																							
996	989	8.519	8.409	35.428	4.21					27.567	32.069	36.462	40.752	44.944	73.9	1.381																							
1194	1185	7.408	7.284	35.419	4.70					27.729	32.257	36.676	40.990	45.205	59.8	1.514																							
1397	1384	6.405	6.268	35.331	4.99					27.800	32.353	36.796	41.134	45.372	53.6	1.628																							
1597	1582	5.473	5.326	35.235	5.31					27.844	32.421	36.888	41.248	45.507	49.1	1.731																							
1795	1777	4.765	4.607	35.149	5.59					27.860	32.457	36.942	41.320	45.596	47.2	1.827																							
1999	1978	4.152	3.982	35.076	5.76					27.870	32.484	36.985	41.379	45.670	45.6	1.921																							
2199	2175	3.752	3.568	35.035	5.77					27.880	32.505	37.017	41.422	45.723	44.5	2.011																							
2407	2380	3.427	3.228	35.002	5.86					27.887	32.521	37.043	41.456	45.766	43.8	2.103																							
2595	2564	3.201	2.988	34.983	5.81					27.894	32.536	37.064	41.483	45.799	43.2	2.185																							
2797	2763	3.003	2.773	34.966	5.76					27.900	32.548	37.082	41.507	45.828	42.8	2.272																							
2997	2959	2.883	2.635	34.955	5.74					27.904	32.555	37.093	41.522	45.846	43.0	2.358																							
3197	3155	2.735	2.469	34.941	5.69					27.907	32.563	37.105	41.538	45.867	42.9	2.444																							
3397	3351	2.627	2.342	34.930	5.68					27.909	32.569	37.114	41.551	45.883	43.1	2.530																							
3597	3546	2.565	2.260	34.922						27.909	32.571	37.119	41.558	45.893	43.7	2.617																							
3797	3742	2.533	2.207	34.916						27.909	32.573	37.122	41.562	45.898	44.6	2.705																							
3995	3935	2.517	2.169	34.913	5.66					27.910	32.574	37.125	41.566	45.903	45.5	2.795																							

STATION 111

ATLANTIS II-109 112										22/ 7/81				24 ORS.		STATION 111									
LAT = 30 42.6 N LONG = 32 34.5 W										SIG-8				SIG-1		SIG-2		SIG-3		SIG-4		ANOM		HEIGHT	
PR	DE	T	B	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT									
dbar	m	deg C	deg C	o/oo	ml/l																				
12	12	24.647	24.644	36.917	4.83					24.918	29.125	33.234	37.249	41.173	305.1	0.020									
108	108	19.371	19.351	36.797	5.14					26.320	30.604	34.788	38.876	42.873	175.6	0.250									
210	209	17.330	17.294	36.452	4.64					26.574	30.894	35.112	39.233	43.262	155.1	0.419									
312	311	15.947	15.897	36.192	4.65					26.705	31.050	35.293	39.439	43.491	145.8	0.572									
412	410	14.429	14.367	35.960	4.55					26.867	31.242	35.513	39.686	43.764	132.8	0.712									
514	511	13.086	13.014	35.773	4.50					27.006	31.408	35.705	39.903	44.006	121.6	0.841									
616	612	12.040	11.957	35.642	4.38					27.114	31.538	35.856	40.074	44.196	113.2	0.961									
816	810	10.005	9.907	35.455	4.07					27.342	31.810	36.171	40.430	44.592	93.9	1.168									
1018	1010	8.259	8.148	35.375	4.17					27.565	32.074	36.473	40.770	44.967	73.8	1.338									
1218	1208	7.215	7.090	35.407	4.69					27.747	32.280	36.703	41.022	45.241	58.0	1.470									
1419	1406	6.220	6.083	35.316	5.15					27.812	32.370	36.818	41.160	45.402	52.2	1.580									
1615	1599	5.362	5.214	35.220	5.34					27.845	32.426	36.895	41.259	45.520	48.8	1.679									
1817	1799	4.702	4.542	35.146						27.865	32.463	36.950	41.330	45.607	46.7	1.775									
2023	2002	4.151	3.979	35.084						27.877	32.491	36.992	41.386	45.677	45.2	1.870									
2229	2204	3.710	3.524	35.037						27.886	32.512	37.026	41.431	45.734	44.0	1.962									
2429	2401	3.391	3.191	35.003	5.82					27.891	32.527	37.049	41.464	45.774	43.4	2.049									
2631	2600	3.149	2.933	34.980	5.79					27.897	32.540	37.069	41.490	45.807	42.9	2.136									
2835	2800	2.947	2.714	34.961	5.76					27.901	32.551	37.086	41.513	45.836	42.6	2.224									
3037	2998	2.801	2.551	34.947	5.70					27.905	32.558	37.098	41.529	45.856	42.6	2.310									
3241	3198	2.689	2.420	34.936	5.69					27.907	32.565	37.108	41.543	45.873	42.8	2.397									
3443	3396	2.607	2.318	34.927	5.68					27.909	32.569	37.115	41.553	45.885	43.3	2.484									
3649	3597	2.543	2.233	34.919	5.69					27.909	32.572	37.121	41.560	45.895	43.9	2.574									
3853	3797	2.529	2.196	34.915	5.70					27.909	32.573	37.123	41.563	45.899	44.9	2.664									
4055	3994	2.524	2.168	34.912	5.68					27.909	32.574	37.124	41.566	45.902	46.0	2.756									

ATLANTIS II-109 112										22/ 7/81				24 ORS.		STATION 112									
LAT = 30 42.6 N LONG = 32 34.5 W										SIG-8				SIG-1		SIG-2		SIG-3		SIG-4		ANOM		HEIGHT	
PR	DE	T	B	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT									
dbar	m	deg C	deg C	o/oo	ml/l																				
12	12	24.647	24.644	36.917	4.83					24.918	29.125	33.234	37.249	41.173	305.1	0.020									
108	108	19.371	19.351	36.797	5.14					26.320	30.604	34.788	38.876	42.873	175.6	0.250									
210	209	17.330	17.294	36.452	4.64					26.574	30.894	35.112	39.233	43.262	155.1	0.419									
312	311	15.947	15.897	36.192	4.65					26.705	31.050	35.293	39.439	43.491	145.8	0.572									
412	410	14.429	14.367	35.960	4.55					26.867	31.242	35.513	39.686	43.764	132.8	0.712									
514	511	13.086	13.014	35.773	4.50					27.006	31.408	35.705	39.903	44.006	121.6	0.841									
616	612	12.040	11.957	35.642	4.38					27.114	31.538	35.856	40.074	44.196	113.2	0.961									
816	810	10.005	9.907	35.455	4.07					27.342	31.810	36.171	40.430	44.592	93.9	1.168									
1018	1010	8.259	8.148	35.375	4.17					27.565	32.074	36.473	40.770	44.967	73.8	1.338									
1218	1208	7.215	7.090	35.407	4.69					27.747	32.280	36.703	41.022	45.241	58.0	1.470									
1419	1406	6.220	6.083	35.316	5.15					27.812	32.370	36.818	41.160	45.402	52.2	1.580									
1615	1599	5.362	5.214	35.220	5.34					27.845	32.426	36.895	41.259	45.520	48.8	1.679									
1817	1799	4.702	4.542	35.146						27.865	32.463	36.950	41.330	45.607	46.7	1.775									
2023	2002	4.151	3.979	35.084						27.877	32.491	36.992	41.386	45.677	45.2	1.870									
2229	2204	3.710	3.524	35.037						27.886	32.512	37.026	41.431	45.734	44.0	1.962									
2429	2401	3.391	3.191	35.003	5.82					27.891	32.527	37.049	41.464	45.774	43.4	2.049									
2631	2600	3.149	2.933	34.980	5.79					27.897	32.540	37.069	41.490	45.807	42.9	2.136									
2835	2800	2.947	2.714	34.961	5.76					27.901	32.551	37.086	41.513	45.836	42.6	2.224									
3037	2998	2.801	2.551	34.947	5.70					27.905	32.558	37.098	41.529	45.856	42.6	2.310									
3241	3198	2.689	2.420	34.936	5.69					27.907	32.565	37.108	41.543	45.873	42.8	2.397									
3443	3396	2.607	2.318	34.927	5.68					27.909	32.569	37.115	41.553	45.885	43.3	2.484									
3649	3597	2.543	2.233	34.919	5.69					27.909	32.572	37.121	41.560	45.895	43.9	2.574									
3853	3797	2.529	2.196	34.915	5.70					27.909	32.573	37.123	41.563	45.899	44.9	2.664									
4055	3994	2.524	2.168	34.912	5.68					27.909	32.574	37.124	41.566	45.902	46.0	2.756									

STATION 112

ATLANTIS II-109 113										LAT = 30 7.2 N LONG = 33 24.2 W				22/ 7/81				24 095.				SONIC DEPTH= 4252m				STATION 113	
P2	DBAR	DF	T	θ	S	DOY	PHOS	SIL	NO2	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT										
25		24	25.040	25.035	37.053	4.84					24.902	29.103	33.206	37.215	41.133	307.2	0.038										
170		170	18.400	18.370	36.709	4.78					26.504	30.804	35.004	39.107	43.118	160.5	0.379										
222		221	17.127	17.090	36.441	4.61					26.615	30.938	35.160	39.284	43.317	151.5	0.461										
268		267	16.353	16.309	36.285	4.56					26.681	31.018	35.254	39.392	43.437	146.7	0.529										
334		332	15.170	15.118	36.076	4.51					26.792	31.152	35.409	39.568	43.634	137.8	0.623										
384		382	14.373	14.316	35.952	4.51					26.872	31.248	35.520	39.694	43.773	131.3	0.690										
584		581	12.092	12.014	35.653	4.32					27.111	31.534	35.851	40.068	44.189	112.6	0.934										
784		779	10.113	10.018	35.458	3.88					27.325	31.791	36.150	40.407	44.566	94.9	1.142										
980		973	8.282	8.175	35.320	3.90					27.518	32.026	36.426	40.722	44.919	77.5	1.311										
1182		1173	7.446	7.323	35.375	4.36					27.688	32.216	36.634	40.948	45.163	63.5	1.453										
1388		1376	6.462	6.326	35.325	4.80					27.787	32.339	36.781	41.118	45.354	54.8	1.575										
1587		1572	5.500	5.353	35.240	5.18					27.844	32.421	36.887	41.247	45.505	49.0	1.678										
1781		1763	4.907	4.748	35.173	5.47					27.863	32.456	36.937	41.312	45.584	47.3	1.771										
1983		1962	4.314	4.143	35.103	5.63					27.874	32.484	36.981	41.371	45.658	45.8	1.866										
2183		2159	3.857	3.673	35.052						27.883	32.505	37.015	41.416	45.715	44.7	1.956										
2389		2362	3.463	3.265	35.012	5.83					27.891	32.525	37.045	41.458	45.766	43.5	2.047										
2589		2558	3.190	2.977	34.984	5.78					27.896	32.538	37.066	41.486	45.802	42.9	2.133										
2797		2763	3.022	2.792	34.968	5.77					27.900	32.547	37.080	41.505	45.826	43.0	2.223										
2999		2961	2.863	2.615	34.953	5.71					27.904	32.556	37.094	41.523	45.849	42.9	2.309										
3201		3159	2.722	2.456	34.939	5.67					27.906	32.563	37.105	41.539	45.868	42.9	2.396										
3403		3357	2.646	2.360	34.931	5.69					27.908	32.567	37.113	41.549	45.880	43.4	2.483										
3607		3556	2.578	2.272	34.923	5.64					27.909	32.571	37.119	41.557	45.891	43.9	2.572										
3811		3756	2.537	2.209	34.917	5.67					27.910	32.573	37.123	41.563	45.898	44.7	2.663										
4007		3947	2.509	2.159	34.913	5.64					27.911	32.575	37.126	41.566	45.905	45.5	2.751										

STATION 113

ATLANTIS II-100 114										LAT = 29 28.7 N LONG = 34 14.3 W										22/ 7/81 24 OBS. SONIC DEPTH= 4881m										STATION 114	
PQ	DF	T	g	S	OXY	PHOS	SIL	M02	M+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT															
dbar	m	deg C	deg C	o/oo	ml/l																										
25	24	24.920	24.915	37.212	4.79					25.059	29.261	33.364	37.374	41.293	292.3	0.037															
92	92	20.140	20.123	36.809	4.82					26.126	30.398	34.570	38.647	42.632	193.5	0.202															
194	193	17.753	17.720	36.513						26.517	30.829	35.040	39.154	43.176	160.0	0.382															
294	293	16.490	16.442	36.284	4.62					26.649	30.984	35.217	39.353	43.396	150.7	0.537															
394	392	14.893	14.833	36.025	4.56					26.816	31.182	35.444	39.608	43.679	137.4	0.691															
496	493	13.617	13.545	35.845	4.35					26.953	31.344	35.631	39.818	43.912	126.6	0.816															
596	592	12.169	12.089	35.662	4.25					27.104	31.525	35.841	40.056	44.176	113.8	0.936															
794	789	10.038	9.942	35.449	3.78					27.331	31.799	36.159	40.418	44.579	94.4	1.142															
994	987	8.247	8.139	35.371	4.02					27.564	32.072	36.472	40.768	44.966	73.5	1.310															
1194	1185	7.251	7.128	35.363	4.39					27.707	32.239	36.662	40.980	45.199	61.4	1.445															
1396	1384	6.375	6.239	35.327	4.90					27.800	32.355	36.799	41.137	45.375	53.4	1.561															
1597	1582	5.399	5.253	35.220	5.17					27.841	32.420	36.889	41.251	45.512	49.1	1.663															
1797	1779	4.790	4.631	35.159						27.865	32.461	36.946	41.323	45.598	46.8	1.759															
1995	1974	4.157	3.987	35.088						27.879	32.493	36.994	41.387	45.678	44.7	1.850															
2201	2177	3.730	3.547	35.041						27.887	32.512	37.025	41.430	45.732	43.8	1.941															
2397	2370	3.465	3.267	35.014						27.893	32.526	37.047	41.459	45.768	43.4	2.027															
2599	2568	3.173	2.960	34.985						27.898	32.541	37.069	41.490	45.806	42.7	2.114															
2797	2763	2.988	2.758	34.966						27.902	32.549	37.084	41.509	45.831	42.6	2.198															
2997	2959	2.863	2.615	34.954						27.905	32.556	37.095	41.524	45.849	42.8	2.284															
3199	3157	2.736	2.470	34.942						27.908	32.564	37.106	41.539	45.868	42.9	2.370															
3399	3353	2.638	2.353	34.930						27.908	32.567	37.113	41.549	45.881	43.3	2.456															
3599	3548	2.576	2.271	34.923						27.909	32.571	37.119	41.557	45.891	43.8	2.544															
3799	3744	2.528	2.202	34.917						27.910	32.574	37.124	41.564	45.900	44.5	2.632															
3995	3935	2.500	2.152	34.912	5.60					27.910	32.575	37.126	41.568	45.905	45.3	2.720															

ATLANTIS II-109 115										STATION 115									
LAT = 28 53.6 N LONG = 35 6.1 W 23/ 7/81 23 OBS. SONIC DEPTH= 5563m										STATION 115									
PR	DE	T	θ	S	OXY	PHOS	SIL	M02	M+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	m	deg C	deg C	o/oo	ml/l														
1	1	25.257	25.257	34.166	4.95					22.655	26.870	30.986	35.008	38.938	520.4	0.003			
186	195	18.492	18.459	36.686	4.68					26.465	30.764	34.962	39.064	43.074	164.9	0.639			
280	279	16.693	16.647	36.321	4.61					26.629	30.961	35.190	39.322	43.362	152.2	0.787			
368	366	15.388	15.330	36.106	4.59					26.768	31.124	35.377	39.532	43.594	141.4	0.917			
386	384	15.179	15.119	36.071	4.58					26.788	31.148	35.405	39.564	43.630	139.9	0.942			
542	539	12.748	12.673	35.716	4.49					27.031	31.440	35.744	39.948	44.057	119.8	1.144			
736	731	10.178	10.089	35.450	4.04					27.307	31.771	36.128	40.384	44.542	95.6	1.353			
936	929	8.222	8.121	35.309	4.05					27.518	32.027	36.428	40.725	44.924	76.5	1.525			
1138	1129	6.905	6.791	35.273	4.45					27.683	32.224	36.656	40.982	45.209	61.7	1.665			
1340	1329	6.167	6.039	35.268	4.91					27.780	32.340	36.789	41.132	45.375	53.8	1.782			
1544	1530	5.454	5.312	35.220	5.21					27.833	32.412	36.879	41.239	45.499	49.3	1.887			
1746	1730	4.732	4.579	35.147	5.44					27.861	32.459	36.945	41.324	45.600	46.3	1.983			
1922	1933	4.196	4.030	35.090						27.876	32.488	36.989	41.381	45.671	44.8	2.077			
2186	2163	3.699	3.517	35.036	5.56					27.886	32.512	37.026	41.432	45.734	43.6	2.181			
2384	2358	3.398	3.202	35.005						27.892	32.527	37.049	41.463	45.774	43.0	2.266			
2589	2558	3.173	2.961	34.982						27.896	32.538	37.067	41.487	45.804	42.8	2.354			
2793	2759	2.980	2.751	34.964						27.901	32.549	37.083	41.509	45.831	42.6	2.441			
2993	2955	2.825	2.579	34.949	5.67					27.904	32.557	37.096	41.526	45.852	42.6	2.526			
3183	3141	2.718	2.454	34.938	5.68					27.906	32.562	37.105	41.539	45.868	42.8	2.607			
3389	3343	2.623	2.339	34.927	5.69					27.907	32.567	37.112	41.549	45.881	43.2	2.696			
3595	3545	2.550	2.246	34.919	5.68					27.908	32.571	37.119	41.558	45.893	43.7	2.786			
3801	3746	2.512	2.186	34.913	5.69					27.908	32.573	37.123	41.563	45.900	44.5	2.876			
4007	3947	2.475	2.127	34.909	5.64					27.910	32.576	37.128	41.570	45.908	45.2	2.969			

STATION 115

ATLANTIS II-109 116										LAT = 28 18.5 N				LONG = 35 56.9 W				23/ 7/81				22 085.				STATION 116			
PR	DE	T	θ	S	OXY	PHOS	SIL	N+M	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT														
dbar	m	deg C	deg C	o/oo	ml/l																								
93	92	20.068	20.051	36.815	5.26				26.150	30.423	34.596	38.674	42.660	191.3	0.089														
192	191	17.770	17.737	36.516	4.65				26.515	30.827	35.037	39.151	43.173	160.1	0.264														
294	293	16.119	16.072	36.220	4.56				26.686	31.028	35.268	39.410	43.460	147.0	0.421														
396	394	14.624	14.564	35.982	4.54				26.842	31.213	35.480	39.649	43.724	134.8	0.565														
496	493	13.245	13.175	35.786	4.46				26.984	31.382	35.676	39.871	43.971	123.4	0.694														
596	592	12.054	11.974	35.631	4.33				27.102	31.526	35.844	40.061	44.183	113.8	0.812														
796	791	9.702	9.608	35.428	3.97				27.372	31.847	36.214	40.480	44.647	90.1	1.016														
998	991	7.655	7.551	35.304	4.17				27.599	32.122	36.536	40.845	45.055	68.9	1.177														
1192	1183	6.662	6.545	35.282	4.56				27.724	32.271	36.708	41.040	45.272	58.1	1.300														
1390	1378	5.901	5.770	35.245	5.01				27.796	32.363	36.819	41.169	45.417	52.1	1.409														
1589	1574	5.287	5.143	35.203	5.18				27.840	32.423	36.894	41.259	45.523	48.6	1.509														
1795	1777	4.541	4.386	35.125	5.47				27.865	32.468	36.959	41.343	45.624	45.7	1.606														
1999	1978	4.111	3.942	35.079	5.60				27.877	32.491	36.994	41.389	45.681	44.8	1.698														
2197	2173	3.731	3.548	35.038	5.63				27.884	32.510	37.023	41.428	45.730	44.0	1.786														
2397	2370	3.386	3.189	35.003					27.891	32.527	37.050	41.464	45.775	43.1	1.873														
2595	2564	3.142	2.930	34.978	5.71				27.896	32.539	37.068	41.489	45.807	42.7	1.958														
2797	2763	2.927	2.699	34.958	5.70				27.900	32.550	37.086	41.513	45.836	42.3	2.044														
2997	2959	2.793	2.547	34.944	5.62				27.903	32.556	37.097	41.528	45.855	42.5	2.129														
3197	3155	2.664	2.400	34.931	5.63				27.905	32.563	37.107	41.542	45.873	42.5	2.214														
3397	3351	2.581	2.298	34.922	5.69				27.906	32.567	37.114	41.552	45.885	43.0	2.299														
3599	3548	2.528	2.224	34.916	5.64				27.908	32.571	37.120	41.560	45.895	43.6	2.387														
3799	3744	2.475	2.150	34.908	5.68				27.907	32.573	37.124	41.565	45.903	44.3	2.475														

STATION 116

ATLANTIS II-109 117										SONIC DEPTH= 5192m										STATION 117	
LAT = 27 41.5 N LONG = 35 47.7 W 23/ 7/81 23 ORS.																					
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT					
dbar	m	deg C	deg C	o/oo	ml/l																
23	27	25.481	25.476	37.211	4.72					24.885	29.080	33.176	37.179	41.091	308.7	0.036					
108	108	20.380	20.359	36.918	5.23					26.146	30.413	34.581	38.654	42.635	192.4	0.251					
210	209	17.450	17.414	36.435	4.55					26.532	30.850	35.066	39.185	43.213	159.1	0.430					
312	311	16.110	16.060	36.220	4.57					26.689	31.031	35.271	39.414	43.463	147.4	0.586					
406	404	14.628	14.567	35.986	4.48					26.844	31.215	35.482	39.651	43.726	134.9	0.719					
412	410	14.572	14.510	35.978	4.56					26.850	31.222	35.491	39.661	43.737	134.5	0.727					
608	604	11.753	11.673	35.598	4.19					27.134	31.564	35.888	40.112	44.239	110.8	0.967					
810	804	9.211	9.118	35.332	3.71					27.378	31.865	36.243	40.519	44.697	88.9	1.169					
1010	1003	7.068	6.967	35.149	3.88					27.561	32.099	36.527	40.851	45.074	71.3	1.329					
1210	1200	6.167	6.053	35.147	4.30					27.683	32.243	36.693	41.037	45.280	60.8	1.461					
1408	1396	5.884	5.752	35.219	4.88					27.778	32.345	36.802	41.152	45.402	54.0	1.575					
1606	1592	5.175	5.030	35.178	5.22					27.834	32.420	36.894	41.262	45.528	49.0	1.677					
1804	1787	4.749	4.590	35.144	5.29					27.858	32.455	36.941	41.319	45.596	47.4	1.772					
2004	1984	4.223	4.051	35.093	5.55					27.876	32.488	36.988	41.380	45.669	45.4	1.865					
2202	2179	3.796	3.611	35.048	5.61					27.886	32.510	37.021	41.424	45.725	44.2	1.954					
2403	2376	3.454	3.255	35.013	5.67					27.893	32.527	37.048	41.460	45.769	43.4	2.041					
2602	2572	3.151	2.938	34.983	5.67					27.899	32.542	37.071	41.492	45.809	42.5	2.127					
2803	2769	2.977	2.747	34.966	5.63					27.903	32.551	37.085	41.511	45.833	42.5	2.212					
3007	2969	2.832	2.584	34.953	5.62					27.907	32.559	37.098	41.529	45.855	42.5	2.299					
3208	3167	2.733	2.466	34.942	5.59					27.908	32.564	37.106	41.540	45.869	42.9	2.385					
3415	3368	2.611	2.325	34.929	5.61					27.910	32.570	37.116	41.553	45.886	43.0	2.474					
3618	3568	2.546	2.239	34.921	5.61					27.910	32.573	37.122	41.561	45.896	43.6	2.562					
3822	3767	2.498	2.170	34.915	5.62					27.911	32.576	37.126	41.568	45.904	44.3	2.651					

STATION 117

ATLANTIS II-109 118										LAT = 27 5.6 N LONG = 37 38.7 W 24/ 7/81 24 ORS. SONIC DEPTH= 5460m STATION 118									
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT	STATION 118		
dbar	m	deg C	deg C	o/oo	ml/l														
44	44	23.628	23.619	37.172	5.10					25.418	29.638	33.758	37.785	41.721	259.0	0.058			
118	118	20.561	20.538	36.915	5.71					26.095	30.360	34.525	38.595	42.575	197.6	0.227			
204	203	18.125	18.089	36.543	4.44					26.448	30.754	34.959	39.067	43.084	167.0	0.384			
300	299	16.755	16.705	36.323	4.37					26.617	30.947	35.176	39.307	43.346	154.1	0.538			
400	398	15.041	14.979	36.046	4.46					26.800	31.163	35.422	39.584	43.652	139.2	0.684			
496	493	13.661	13.589	35.844	4.39					26.943	31.333	35.619	39.806	43.898	127.6	0.812			
594	590	12.157	12.077	35.650	4.19					27.097	31.518	35.834	40.050	44.170	114.4	0.931			
806	801	9.605	9.510	35.371	3.78					27.344	31.821	36.191	40.459	44.629	92.8	1.151			
1018	1010	7.036	6.934	35.150	3.99					27.566	32.105	36.534	40.858	45.082	70.8	1.324			
1190	1181	6.135	6.023	35.130	4.50					27.673	32.234	36.685	41.030	45.274	61.3	1.438			
1398	1386	5.625	5.496	35.172	4.97					27.773	32.347	36.810	41.167	45.422	53.5	1.557			
1600	1586	4.929	4.788	35.132	5.17					27.826	32.418	36.899	41.273	45.545	48.7	1.660			
1788	1771	4.611	4.455	35.122	5.40					27.855	32.456	36.945	41.327	45.607	46.8	1.750			
1988	1968	4.126	3.957	35.079	5.51					27.875	32.489	36.991	41.386	45.678	44.9	1.842			
2194	2171	3.710	3.528	35.037	5.59					27.885	32.512	37.025	41.431	45.733	43.7	1.933			
2370	2344	3.435	3.240	35.008	5.66					27.890	32.525	37.046	41.459	45.768	43.2	2.009			
2596	2566	3.131	2.919	34.978	5.61					27.897	32.540	37.070	41.491	45.809	42.6	2.106			
2788	2755	2.937	2.729	34.961	5.64					27.900	32.549	37.084	41.510	45.833	42.5	2.188			
2986	2949	2.846	2.600	34.950	5.61					27.903	32.555	37.094	41.524	45.849	42.8	2.272			
3186	3145	2.712	2.448	34.937	5.56					27.906	32.562	37.105	41.539	45.868	42.8	2.358			
3392	3347	2.629	2.345	34.927	5.58					27.906	32.566	37.112	41.548	45.880	43.3	2.447			
3584	3535	2.546	2.243	34.918	5.61					27.908	32.570	37.119	41.558	45.893	43.6	2.530			
3798	3744	2.487	2.162	34.910	5.61					27.908	32.573	37.124	41.565	45.902	44.3	2.624			
4008	3949	2.445	2.097	34.908	5.61					27.912	32.578	37.131	41.574	45.913	44.8	2.718			

STATION 118

ATLANTIS II-109 119										LAT = 26 29.5 N LONG = 38 30.2 W 24/ 7/81 24 HRS. SONIC DEPTH= 5201m STATION 119									
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	m	deg C	deg C	o/oo	ml/l														
3	3	25.697	25.696	37.532	4.72					25.059	29.249	33.341	37.339	41.247	291.2	0.004			
196	195	19.861	18.826	36.681						26.368	30.661	34.853	38.949	42.954	174.6	0.455			
244	243	17.645	17.603	36.463	4.50					26.307	30.822	35.035	39.151	43.175	162.8	0.536			
352	350	16.215	16.158	36.235	4.43					26.678	31.018	35.256	39.397	43.445	149.9	0.705			
396	394	15.433	15.371	36.109	4.40					26.761	31.116	35.369	39.523	43.584	143.0	0.770			
434	432	14.645	14.579	35.987	4.43					26.842	31.213	35.480	39.649	43.724	136.0	0.823			
596	592	12.455	12.373	35.692	4.27					27.072	31.487	35.797	40.006	44.121	117.2	1.027			
768	763	10.229	10.136	35.438	3.72					27.289	31.753	36.109	40.364	44.521	98.0	1.213			
994	987	7.952	7.251	35.177	3.71					27.543	32.074	36.495	40.812	45.030	73.3	1.406			
1196	1187	6.202	6.089	35.142	4.33					27.674	32.234	36.682	41.026	45.268	61.5	1.542			
1422	1410	5.381	5.253	35.148	4.71					27.784	32.364	36.833	41.196	45.457	52.0	1.671			
1594	1580	4.777	4.638	35.110	5.28					27.825	32.422	36.906	41.284	45.560	48.0	1.757			
1794	1777	4.270	4.118	35.073	5.39					27.833	32.463	36.961	41.352	45.640	45.6	1.850			
1998	1978	3.910	3.744	35.045	5.51					27.870	32.490	36.998	41.398	45.695	44.4	1.942			
2194	2171	3.581	3.401	35.016	5.50					27.881	32.511	37.028	41.437	45.742	43.4	2.028			
2420	2393	3.271	3.074	34.990	5.57					27.892	32.531	37.056	41.474	45.787	42.5	2.125			
2598	2568	3.109	2.897	34.976	5.58					27.897	32.541	37.071	41.493	45.811	42.4	2.201			
2798	2745	2.932	2.737	34.964	5.55					27.902	32.550	37.085	41.511	45.833	42.3	2.277			
2998	2961	2.726	2.585	34.951	5.57					27.905	32.558	37.097	41.527	45.853	42.6	2.370			
3204	3163	2.628	2.460	34.942	5.57					27.909	32.565	37.107	41.541	45.870	42.8	2.458			
3396	3351	2.567	2.343	34.931	5.57					27.910	32.569	37.115	41.552	45.884	43.1	2.540			
3588	3539	2.528	2.263	34.923	5.58					27.910	32.572	37.120	41.559	45.893	43.6	2.624			
3792	3738	2.458	2.202	34.916	5.58					27.911	32.575	37.124	41.565	45.900	44.4	2.713			
3992	3933	2.458	2.112	34.910	5.65					27.912	32.578	37.130	41.573	45.911	44.8	2.803			

STATION 119

ATLANTIS II-109 120										LAT = 26 7.2 N LONG = 37 29.7 W 24/ 7/91 24 OBS. SONIC DEPTH= 5144m STATION 120									
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	m	deg C	deg C	o/oo	ml/l														
10	10	25.588	25.586	37.381						24.980	29.172	33.266	37.266	41.176	299.1	3.016			
100	100	20.848	20.829	36.976	5.11					26.063	30.323	34.484	38.549	42.524	200.0	0.241			
198	187	17.919	17.886	36.508	4.58					26.472	30.781	34.989	39.101	43.121	164.1	0.401			
276	275	16.779	16.733	36.328	4.50					26.614	30.944	35.172	39.303	43.341	153.5	0.540			
366	364	15.342	15.285	36.096	4.47					26.770	31.127	35.381	39.537	43.600	141.1	0.673			
454	452	13.952	13.885	35.884	4.43					26.912	31.296	35.576	39.758	43.845	129.5	0.792			
542	539	12.620	12.545	35.704						27.047	31.458	35.765	39.972	44.083	118.1	0.901			
726	721	10.041	9.954	35.414	3.78					27.302	31.770	36.130	40.388	44.549	95.6	1.097			
910	904	8.055	7.958	35.222	3.70					27.474	31.988	36.393	40.695	44.897	79.7	1.259			
1096	1088	6.495	6.390	35.126	4.13					27.622	32.174	36.616	40.952	45.189	65.6	1.394			
1280	1270	5.914	5.795	35.161	4.58					27.727	32.293	36.749	41.099	45.348	57.0	1.507			
1472	1459	5.342	5.209	35.167	4.92					27.804	32.385	36.855	41.219	45.481	50.6	1.610			
1656	1651	4.828	4.682	35.143	5.19					27.847	32.442	36.925	41.301	45.576	47.1	1.705			
1862	1844	4.344	4.185	35.100	5.40					27.867	32.476	36.972	41.361	45.647	45.3	1.795			
2056	2045	3.854	3.682	35.051	5.51					27.881	32.503	37.012	41.414	45.713	43.7	1.886			
2276	2252	3.463	3.277	35.012	5.62					27.890	32.523	37.044	41.456	45.764	42.6	1.977			
2488	2460	3.182	2.980	34.985	5.62					27.897	32.538	37.066	41.486	45.802	42.1	2.067			
2694	2663	2.974	2.755	34.965	5.63					27.901	32.549	37.083	41.509	45.831	41.8	2.153			
2902	2867	2.814	2.577	34.950	5.55					27.905	32.558	37.097	41.527	45.854	41.8	2.240			
3108	3069	2.721	2.465	34.940	5.56					27.907	32.563	37.105	41.538	45.867	42.3	2.327			
3336	3292	2.634	2.356	34.931	5.62					27.909	32.568	37.113	41.549	45.881	42.8	2.424			
3550	3501	2.552	2.253	34.922	5.59					27.910	32.572	37.120	41.559	45.894	43.3	2.516			
3762	3709	2.504	2.182	34.915	5.65					27.910	32.574	37.125	41.566	45.902	44.1	2.608			
3968	3910	2.453	2.110	34.908	5.59					27.911	32.577	37.129	41.572	45.910	44.7	2.700			

STATION 120

ATLANTIS II-109 121										STATION 121									
LAT = 25 42.5 N LONG = 35 30.1 W										SONIC DEPTH= 5590m									
25/ 7/81 24 OBS.										SIG-1 SIG-2 SIG-3 SIG-4									
PR DE T deg C										SIG-1 SIG-2 SIG-3 SIG-4									
dhar										SIG-1 SIG-2 SIG-3 SIG-4									
S o/oo										SIG-1 SIG-2 SIG-3 SIG-4									
OXY ml/l										SIG-1 SIG-2 SIG-3 SIG-4									
PHOS										SIG-1 SIG-2 SIG-3 SIG-4									
SIL										SIG-1 SIG-2 SIG-3 SIG-4									
N02										SIG-1 SIG-2 SIG-3 SIG-4									
N+N										SIG-1 SIG-2 SIG-3 SIG-4									
25/ 7/81 24 OBS.										SIG-1 SIG-2 SIG-3 SIG-4									
25.079 29.277 33.376 37.382 41.297										25.079 29.277 33.376 37.382 41.297									
25.641 29.869 33.997 38.032 41.976										25.641 29.869 33.997 38.032 41.976									
26.116 30.380 34.544 38.613 42.591										26.116 30.380 34.544 38.613 42.591									
26.545 30.864 35.081 39.202 43.231										26.545 30.864 35.081 39.202 43.231									
26.683 31.024 35.262 39.403 43.452										26.683 31.024 35.262 39.403 43.452									
26.866 31.240 35.512 39.684 43.763										26.866 31.240 35.512 39.684 43.763									
27.180 31.617 35.948 40.178 44.312										27.180 31.617 35.948 40.178 44.312									
27.411 31.901 36.282 40.562 44.743										27.411 31.901 36.282 40.562 44.743									
27.600 32.142 36.574 40.901 45.129										27.600 32.142 36.574 40.901 45.129									
27.711 32.273 36.725 41.072 45.317										27.711 32.273 36.725 41.072 45.317									
27.789 32.367 36.834 41.194 45.453										27.789 32.367 36.834 41.194 45.453									
27.836 32.433 36.918 41.297 45.573										27.836 32.433 36.918 41.297 45.573									
27.860 32.470 36.969 41.360 45.648										27.860 32.470 36.969 41.360 45.648									
27.874 32.494 37.001 41.401 45.697										27.874 32.494 37.001 41.401 45.697									
27.888 32.519 37.037 41.447 45.753										27.888 32.519 37.037 41.447 45.753									
27.895 37.059 41.475 45.788 42.1 1.941										27.895 37.059 41.475 45.788 42.1 1.941									
27.901 32.534 37.079 41.503 45.823										27.901 32.534 37.079 41.503 45.823									
27.904 32.546 37.092 41.520 45.845										27.904 32.546 37.092 41.520 45.845									
27.906 32.555 37.092 41.536 45.864										27.906 32.555 37.092 41.536 45.864									
27.906 32.562 37.103 41.547 45.878										27.906 32.562 37.103 41.547 45.878									
27.908 32.567 37.111 41.558 45.892										27.908 32.567 37.111 41.558 45.892									
27.910 32.572 37.119 41.563 45.907										27.910 32.572 37.119 41.563 45.907									
27.910 32.573 37.122 41.569 45.917										27.910 32.573 37.122 41.569 45.917									
27.911 32.576 37.127 41.577 45.917										27.911 32.576 37.127 41.577 45.917									
27.910 32.579 37.133 41.577 45.917										27.910 32.579 37.133 41.577 45.917									

STATION 121

ATLANTIS II-109 122										LAT = 25 18.0 N				LONG = 35 29.3 W				25/ 7/81	23 OBS.	SONIC DEPTH= 4767m				STATION 122	
PR	DE	T	θ	S	OXY	PHOS	SIL	N02	N+M	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT									
dbar	m	deg C	deg C	o/oo	ml/l																				
12	12	25.158	25.155	37.476	4.49					25.185	29.382	33.481	37.486	41.401	279.7	0.018									
94	94	21.557	21.538	37.173	4.99					26.017	30.265	34.415	38.469	42.433	204.2	0.216									
194	193	19.178	18.144	36.605	4.25					26.482	30.787	34.990	39.097	43.113	163.5	0.400									
290	289	16.277	16.230	36.245	4.37					26.669	31.008	35.245	39.384	43.431	148.6	0.550									
392	390	14.470	14.411	35.965						26.862	31.236	35.506	39.678	43.755	132.7	0.693									
490	487	13.108	13.039	35.776	4.23					27.004	31.405	35.702	39.899	44.001	121.2	0.817									
592	588	11.694	11.616	35.605	4.20					27.150	31.581	35.906	40.131	44.260	108.7	0.935									
790	785	9.132	9.042	35.333	3.49					27.391	31.880	36.260	40.538	44.717	87.1	1.128									
990	983	7.234	7.134	35.203	3.88					27.580	32.114	36.537	40.857	45.076	69.5	1.285									
1192	1183	6.338	6.224	35.205	4.14					27.706	32.262	36.707	41.047	45.286	58.9	1.415									
1394	1382	5.473	5.346	35.165	4.88					27.786	32.364	36.830	41.191	45.450	51.7	1.526									
1592	1578	4.945	4.805	35.144	4.97					27.833	32.425	36.905	41.279	45.550	47.9	1.625									
1792	1775	4.401	4.248	35.094						27.856	32.463	36.957	41.344	45.629	45.9	1.719									
1992	1972	3.943	3.777	35.054						27.874	32.493	37.000	41.399	45.696	44.1	1.809									
2192	2169	3.514	3.335	35.015						27.887	32.518	37.037	41.448	45.755	42.5	1.896									
2396	2370	3.240	3.046	34.988						27.893	32.533	37.059	41.477	45.791	42.1	1.982									
2596	2566	3.032	2.822	34.970						27.899	32.545	37.078	41.502	45.822	41.7	2.066									
2796	2763	2.907	2.679	34.958	5.54					27.902	32.552	37.089	41.516	45.840	42.0	2.149									
2996	2959	2.791	2.545	34.947						27.905	32.559	37.099	41.530	45.857	42.2	2.233									
3204	3163	2.673	2.409	34.935						27.907	32.565	37.109	41.544	45.874	42.4	2.321									
3392	3347	2.590	2.307	34.925						27.908	32.569	37.115	41.553	45.886	42.9	2.402									
3596	3546	2.525	2.221	34.918						27.909	32.573	37.122	41.562	45.897	43.4	2.490									
3798	3744	2.479	2.154	34.911						27.909	32.574	37.125	41.567	45.904	44.1	2.578									

STATION 122

ATLANTIS II-109 123										LAT = 24 54.7 N LONG = 34 33.1 W 25/ 7/81 24 OBS. SONIC DEPTH= 5148m STATION 123									
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	m	deg C	deg C	o/oo	ml/l														
10	10	25.498	25.496	37.566	5.17					25.148	29.340	33.434	37.434	41.344	283.2	0.016			
242	241	17.496	17.455	36.443	4.30					26.528	30.945	35.061	39.180	43.206	160.7	0.530			
308	307	16.411	16.361	36.268						26.656	30.993	35.227	39.364	43.409	150.5	0.632			
386	384	15.023	14.964	36.045	4.32					26.803	31.166	35.426	39.587	43.656	138.5	0.745			
432	430	14.379	14.314	35.950						26.871	31.247	35.519	39.693	43.772	133.0	0.807			
480	477	13.724	13.654	35.857	4.41					26.939	31.328	35.613	39.799	43.890	127.5	0.870			
576	573	12.456	12.377	35.694	4.05					27.072	31.487	35.797	40.007	44.121	116.5	0.987			
774	769	9.399	9.309	35.338	3.58					27.351	31.834	36.208	40.480	44.654	91.0	1.192			
974	967	7.067	6.970	35.115	3.77					27.534	32.072	36.500	40.824	45.048	73.2	1.356			
1172	1163	5.958	5.849	35.092	4.34					27.665	32.231	36.686	41.035	45.284	61.2	1.489			
1374	1362	5.425	5.301	35.127	4.77					27.761	32.340	36.808	41.170	45.431	53.5	1.605			
1578	1564	4.709	4.573	35.096	5.16					27.822	32.420	36.906	41.285	45.563	47.9	1.709			
1780	1763	4.334	4.183	35.079	5.32					27.851	32.459	36.956	41.345	45.631	45.9	1.804			
1976	1956	3.941	3.776	35.049	5.48					27.870	32.489	36.996	41.396	45.692	44.3	1.892			
2176	2153	3.596	3.417	35.022	5.50					27.884	32.514	37.030	41.439	45.744	43.0	1.979			
2382	2356	3.307	3.113	34.994	5.61					27.891	32.529	37.054	41.470	45.783	42.5	2.068			
2590	2560	3.079	2.868	34.972	5.61					27.896	32.541	37.072	41.495	45.814	42.2	2.156			
2792	2759	2.936	2.708	34.959	5.61					27.900	32.550	37.085	41.512	45.835	42.3	2.241			
2994	2957	2.811	2.565	34.948	5.57					27.904	32.558	37.097	41.528	45.854	42.4	2.326			
3198	3157	2.691	2.426	34.937	5.59					27.907	32.565	37.108	41.542	45.873	42.5	2.413			
3402	3357	2.623	2.338	34.929	5.59					27.909	32.568	37.114	41.551	45.883	43.1	2.501			
3604	3554	2.544	2.239	34.920	5.63					27.910	32.572	37.121	41.560	45.895	43.6	2.588			
3810	3756	2.493	2.166	34.913	5.66					27.910	32.575	37.125	41.567	45.903	44.3	2.679			
4012	3953	2.467	2.118	34.909	5.66					27.911	32.577	37.129	41.571	45.909	45.1	2.769			

STATION 123

ATLANTIS 11-109 125										SONIC DEPTH= 5460m										STATION 125	
LAT = 24 4.3 N LONG = 32 32.7 W										26/ 7/81 24 ORS.											
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT					
dbar	m	deg C	deg C	o/oo	ml/l																
12	12	24.717	24.714	37.577	4.81					25.396	29.598	33.703	37.713	41.633	259.6	0.017					
96	96	21.322	21.303	37.175	4.91					26.084	30.336	34.488	38.546	42.513	197.9	0.209					
194	193	18.480	18.446	36.651	4.38					26.441	30.741	34.939	39.041	43.052	167.4	0.388					
220	219	17.797	17.759	36.508	4.35					26.503	30.815	35.025	39.139	43.160	162.3	0.430					
308	307	16.132	16.082	36.221	4.42					26.684	31.026	35.266	39.408	43.457	147.6	0.567					
390	388	14.626	14.567	35.986	4.26					26.844	31.215	35.482	39.651	43.726	134.4	0.682					
592	588	11.762	11.684	35.611	3.98					27.142	31.572	35.896	40.119	44.246	109.6	0.929					
790	785	9.348	9.257	35.340	3.43					27.362	31.845	36.221	40.494	44.669	90.3	1.126					
992	985	7.026	6.927	35.139	3.69					27.559	32.098	36.527	40.851	45.076	71.1	1.289					
1192	1183	6.053	5.941	35.115	4.23					27.672	32.235	36.688	41.035	45.281	61.2	1.422					
1392	1380	5.388	5.263	35.126	4.82					27.765	32.345	36.814	41.177	45.438	53.3	1.536					
1582	1568	4.862	4.724	35.115						27.820	32.414	36.896	41.272	45.545	48.7	1.633					
1790	1773	4.371	4.218	35.087						27.853	32.461	36.956	41.344	45.630	45.9	1.731					
1992	1972	3.968	3.801	35.054	5.25					27.871	32.490	36.996	41.395	45.691	44.5	1.823					
2136	2114	3.678	3.502	35.028	5.37					27.881	32.508	37.022	41.428	45.731	43.5	1.886					
2396	2370	3.327	3.131	34.998	5.48					27.893	32.530	37.054	41.470	45.782	42.6	1.998					
2594	2564	3.111	2.899	34.978	5.60					27.898	32.542	37.073	41.494	45.813	42.3	2.082					
2792	2759	2.905	2.678	34.960	5.60					27.904	32.554	37.091	41.518	45.842	41.8	2.165					
2994	2957	2.766	2.521	34.946	5.61					27.906	32.561	37.102	41.534	45.861	41.9	2.250					
3190	3149	2.648	2.385	34.934	5.60					27.909	32.567	37.111	41.547	45.878	42.1	2.332					
3394	3349	2.564	2.281	34.924	5.59					27.909	32.571	37.118	41.556	45.890	42.5	2.418					
3594	3545	2.501	2.198	34.915	5.64					27.909	32.573	37.122	41.563	45.899	43.2	2.504					
3795	3742	2.454	2.130	34.909	5.64					27.910	32.575	37.127	41.569	45.907	43.8	2.592					
3995	3937	2.424	2.078	34.904	5.64					27.910	32.577	37.130	41.574	45.913	44.6	2.680					
																				STATION 125	

ATLANTIS II-109 126										LAT = 23 42.0 N LONG = 31 30.9 W										26/ 7/81 24 HRS. SONIC DEPTH= 5968m										STATION 126	
PR	DE	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT															
dbar	m	deg C	deg C	o/oo	ml/l																										
9	9	24.384	24.382	37.540	4.84					25.469	29.676	33.784	37.799	41.723	252.5	0.011															
102	102	21.569	21.549	37.212	4.94					26.043	30.292	34.441	38.495	42.458	202.0	0.225															
188	187	18.690	18.656	36.702	4.42					26.427	30.722	34.917	39.016	43.023	168.6	0.344															
274	273	16.569	16.524	36.286	4.12					26.631	30.965	35.197	39.331	43.373	151.7	0.521															
366	364	14.866	14.810	36.016	4.10					26.814	31.180	35.443	39.608	43.679	136.6	0.654															
456	454	13.318	13.253	35.799	3.94					26.978	31.375	35.667	39.860	43.959	122.8	0.771															
550	547	12.141	12.067	35.656	3.85					27.103	31.525	35.841	40.057	44.177	112.5	0.881															
736	731	9.241	9.157	35.313	3.39					27.357	31.843	36.221	40.496	44.674	89.3	1.069															
924	917	7.284	7.191	35.146	3.48					27.527	32.060	36.483	40.801	45.020	73.4	1.222															
1102	1094	6.275	6.171	35.108	3.87					27.637	32.194	36.641	40.983	45.224	63.7	1.344															
1258	1258	5.835	5.718	35.143	4.36					27.722	32.291	36.749	41.101	45.352	57.0	1.444															
1428	1416	5.358	5.229	35.141	4.77					27.781	32.362	36.832	41.195	45.457	52.2	1.531															
1584	1570	4.970	4.830	35.131	4.96					27.820	32.411	36.891	41.264	45.535	49.2	1.610															
1762	1745	4.393	4.243	35.085	5.10					27.849	32.456	36.951	41.338	45.623	46.1	1.695															
1952	1933	4.028	3.864	35.060						27.869	32.487	36.991	41.388	45.682	44.5	1.781															
2156	2134	3.672	3.494	35.029	5.40					27.882	32.510	37.024	41.430	45.734	43.5	1.871															
2378	2352	3.337	3.143	34.999	5.51					27.892	32.529	37.053	41.469	45.781	42.5	1.967															
2596	2566	3.120	2.908	34.980	5.57					27.899	32.543	37.073	41.495	45.812	42.3	2.059															
2820	2786	2.866	2.637	34.956	5.57					27.904	32.556	37.093	41.522	45.847	41.7	2.153															
3044	3006	2.705	2.456	34.941	5.57					27.908	32.564	37.107	41.541	45.870	41.6	2.246															
3308	3265	2.568	2.294	34.926	5.59					27.910	32.571	37.118	41.556	45.889	42.0	2.356															
3528	3480	2.505	2.209	34.919	5.58					27.911	32.575	37.124	41.564	45.900	42.6	2.450															
3737	3685	2.460	2.142	34.913	5.60					27.912	32.577	37.129	41.571	45.908	43.4	2.540															
3957	3900	2.416	2.075	34.906	5.59					27.912	32.579	37.132	41.576	45.915	44.2	2.636															

STATION 126

ATLANTIS II-109 128										LAT = 22 53.9 N LONG = 29 30.6 W										27/ 7/81 24 OBS. SONIC DEPTH= 5657m										STATION 128									
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																							
dbar	m	deg C	deg C	o/oo	ml/l																																		
10	10	24.124	24.122	36.925	4.75					25.092	29.296	33.411	37.432	41.363	289.4	0.016																							
88	88	22.094	22.076	37.270	4.91					25.939	30.179	34.321	38.367	42.323	211.4	0.211																							
192	191	18.938	18.903	36.783	4.37					26.426	30.717	34.907	39.002	43.005	169.0	0.408																							
288	287	16.271	16.224	36.249	4.22					26.673	31.012	35.249	39.389	43.436	148.1	0.561																							
392	390	14.131	14.073	35.920	3.99					26.900	31.280	35.557	39.735	43.818	128.8	0.704																							
494	491	12.421	12.354	35.687	3.66					27.072	31.487	35.797	40.008	44.123	114.2	0.828																							
592	588	11.175	11.099	35.531	3.54					27.189	31.631	35.967	40.202	44.341	104.4	0.935																							
790	785	8.583	8.496	35.215	3.05					27.386	31.888	36.281	40.571	44.762	86.6	1.124																							
990	983	6.617	6.522	35.040	3.53					27.536	32.086	36.525	40.860	45.094	72.2	1.283																							
1190	1181	5.898	5.788	35.091	4.00					27.672	32.240	36.696	41.047	45.297	60.7	1.416																							
1390	1378	5.418	5.293	35.117	4.57					27.754	32.334	36.802	41.164	45.425	54.4	1.531																							
1592	1578	4.935	4.795	35.115	4.87					27.811	32.404	36.884	41.258	45.530	49.9	1.636																							
1788	1771	4.472	4.318	35.092	5.13					27.847	32.451	36.944	41.330	45.613	47.0	1.731																							
1992	1972	4.028	3.861	35.056	5.30					27.867	32.484	36.989	41.386	45.680	45.2	1.825																							
2192	2169	3.682	3.500	35.028	5.48					27.881	32.508	37.022	41.429	45.732	44.0	1.914																							
2394	2368	3.378	3.181	35.001	5.50					27.890	32.526	37.049	41.464	45.775	43.1	2.002																							
2594	2564	3.158	2.946	34.982	5.58					27.897	32.540	37.069	41.490	45.807	42.7	2.088																							
2792	2759	2.929	2.701	34.962	5.55					27.903	32.553	37.089	41.516	45.839	42.0	2.172																							
2995	2959	2.772	2.526	34.948	5.58					27.908	32.562	37.103	41.534	45.862	41.9	2.257																							
3179	3139	2.656	2.394	34.935	5.57					27.909	32.567	37.111	41.546	45.877	42.0	2.334																							
3395	3351	2.561	2.278	34.925						27.910	32.572	37.119	41.558	45.891	42.4	2.426																							
3593	3545	2.502	2.199	34.917	5.62					27.910	32.574	37.124	41.564	45.900	43.1	2.510																							
3795	3742	2.455	2.131	34.911	5.67					27.911	32.577	37.129	41.571	45.908	43.7	2.598																							
3987	3929	2.419	2.074	34.906						27.912	32.579	37.132	41.576	45.915	44.4	2.682																							

STATION 128

ATLANTIS II-109 129																	SONIC DEPTH= 5639m																	STATION 129	
LAT = 22 29.5 N LONG = 29 30.7 W 27/ 7/81 23 HRS.																																			
PR	DE	T	θ	S	DOY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																			
dbar	m	deg C	deg C	o/oo	mi/l																														
25	24	23.850	23.845	37.142	4.89					25.328	29.545	33.663	37.687	41.620	266.6	0.033																			
192	191	19.810	19.776	16.746	4.35					26.430	30.724	34.916	39.013	43.018	168.5	0.398																			
232	231	17.736	17.696	16.516	3.96					26.525	30.838	35.049	39.163	43.186	160.7	0.464																			
272	271	16.440	16.396	16.242	3.70					26.628	30.964	35.198	39.335	43.379	151.9	0.526																			
358	356	14.590	14.536	13.982	4.32					26.848	31.219	35.487	39.657	43.732	133.0	0.649																			
394	392	14.035	13.977	13.908	4.09					26.911	31.293	35.572	39.751	43.837	127.8	0.696																			
594	590	11.031	10.956	10.514	3.57					27.202	31.648	35.987	40.225	44.366	103.1	0.926																			
792	787	9.432	8.346	35.203	2.98					27.400	31.905	36.302	40.595	44.789	85.1	1.113																			
988	981	6.516	6.422	35.027	3.41					27.540	32.092	36.533	40.870	45.106	71.6	1.266																			
1192	1183	5.855	5.745	35.066	4.03					27.658	32.227	36.684	41.036	45.287	61.9	1.402																			
1390	1378	5.389	5.264	35.111	4.59					27.753	32.333	36.802	41.165	45.426	54.4	1.517																			
1592	1578	4.732	4.594	35.075	4.84					27.802	32.400	36.886	41.265	45.542	49.9	1.623																			
1790	1773	4.234	4.083	35.059	5.18					27.846	32.457	36.956	41.348	45.637	46.0	1.718																			
1992	1972	3.923	3.757	35.044	5.26					27.868	32.488	36.995	41.395	45.692	44.6	1.809																			
2174	2151	3.652	3.473	35.024	5.40					27.880	32.508	37.023	41.430	45.734	43.7	1.890																			
2394	2368	3.334	3.138	34.997	5.50					27.891	32.528	37.052	41.468	45.780	42.7	1.985																			
2774	2741	2.906	2.680	34.961	5.54					27.904	32.554	37.091	41.519	45.842	41.6	2.145																			
2971	2935	2.752	2.509	34.946	5.53					27.907	32.562	37.103	41.536	45.863	41.6	2.227																			
3173	3133	2.630	2.369	34.933	5.58					27.909	32.568	37.113	41.549	45.880	41.8	2.311																			
3385	3341	2.533	2.252	34.922	5.65					27.910	32.572	37.121	41.560	45.894	42.1	2.400																			
3589	3541	2.480	2.178	34.915	5.58					27.911	32.575	37.125	41.566	45.903	42.8	2.487																			
3799	3745	2.434	2.110	34.909	5.62					27.911	32.578	37.130	41.573	45.911	43.5	2.577																			
4003	3945	2.405	2.059	34.904	5.63					27.912	32.579	37.133	41.577	45.917	44.3	2.667																			

STATION 129

STATION 130

ATLANTIS II-109 131										SONIC DEPTH= 5663m										STATION 131	
LAT = 24 30.4 N LONG = 29 48.4 W										28/ 7/81 24 HRS.											
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT					
dbar	m	deg C	deg C	o/oo	ml/l																
26	26	23.753	23.747	37.524	4.81					25.647	29.862	33.979	38.002	41.935	236.4	0.032					
196	195	19.642	19.606	37.024	4.82					26.427	30.706	34.884	38.967	42.959	169.2	0.376					
246	245	19.058	19.013	36.884	4.53					26.474	30.763	34.951	39.044	43.045	166.6	0.460					
290	289	17.123	17.074	36.435	4.39					26.614	30.938	35.160	39.284	43.317	154.2	0.531					
352	350	15.680	15.624	36.155	4.21					26.739	31.089	35.337	39.487	43.544	143.8	0.623					
406	404	14.356	14.295	35.951	4.22					26.876	31.252	35.525	39.698	43.778	131.7	0.697					
590	586	11.880	11.802	35.624	3.81					27.130	31.557	35.878	40.099	44.224	110.8	0.920					
796	791	9.225	9.134	35.324	3.39					27.369	31.856	36.234	40.510	44.688	89.5	1.127					
996	989	7.155	7.055	35.153	3.60					27.552	32.088	36.514	40.835	45.057	72.1	1.288					
1204	1194	6.296	6.181	35.175	4.14					27.688	32.245	36.691	41.032	45.273	60.6	1.426					
1390	1378	5.693	5.565	35.184	4.63					27.774	32.346	36.807	41.162	45.416	53.5	1.532					
1624	1609	5.011	4.867	35.146	4.99					27.828	32.418	36.896	41.268	45.539	49.1	1.652					
1802	1785	4.455	4.300	35.100	5.21					27.855	32.460	36.953	41.339	45.623	46.3	1.737					
2010	1990	4.008	3.839	35.058	5.40					27.870	32.488	36.994	41.391	45.686	44.9	1.832					
2190	2167	3.697	3.515	35.032	5.46					27.883	32.509	37.023	41.429	45.732	43.9	1.912					
2380	2354	3.416	3.220	35.007	5.55					27.891	32.526	37.048	41.462	45.772	43.1	1.995					
2592	2562	3.130	2.918	34.981	5.63					27.899	32.542	37.072	41.494	45.811	42.3	2.085					
2794	2761	2.942	2.714	34.963	5.66					27.903	32.552	37.088	41.514	45.837	42.1	2.170					
2994	2957	2.780	2.534	34.948	5.63					27.907	32.561	37.101	41.533	45.860	42.0	2.254					
3198	3157	2.663	2.399	34.935	5.57					27.908	32.566	37.110	41.545	45.876	42.3	2.340					
3396	3351	2.583	2.300	34.926	5.63					27.909	32.570	37.117	41.555	45.888	42.7	2.424					
3596	3546	2.527	2.223	34.919	5.61					27.910	32.573	37.122	41.562	45.897	43.3	2.510					
3796	3742	2.476	2.151	34.912	5.63					27.910	32.576	37.127	41.568	45.905	44.0	2.598					
4004	3945	2.448	2.101	34.907	5.62					27.911	32.577	37.130	41.573	45.911	44.9	2.690					
																				STATION 131	

ATLANTIS II-109 132										STATION 132									
LAT = 25 29.9 N LONG = 28 55.7 W										SONIC DEPTH= 5680m									
28/ 7/81										24 OBS.									
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+M	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	m	deg C	deg C	o/oo	ml/l														
14	14	23.951	23.948	37.446	4.86					25.528	29.741	33.856	37.877	41.807	247.1	0.019			
94	94	21.611	21.592	37.277	5.14					26.081	30.328	34.476	38.529	42.492	198.2	0.197			
192	191	18.626	18.592	36.744	4.58					26.475	30.772	34.967	39.067	43.075	164.2	0.374			
290	289	16.145	16.098	36.226	4.36					26.685	31.026	35.266	39.407	43.456	147.0	0.526			
392	390	14.269	14.211	35.938	4.36					26.884	31.262	35.536	39.711	43.793	130.4	0.668			
492	489	12.703	12.635	35.726	4.37					27.046	31.456	35.760	39.965	44.075	116.8	0.791			
592	588	11.500	11.423	35.592	4.19					27.176	31.612	35.941	40.169	44.301	106.0	0.903			
792	787	8.944	8.855	35.317	3.55					27.409	31.902	36.286	40.568	44.751	85.2	1.094			
990	983	7.380	7.279	35.217	3.89					27.570	32.100	36.521	40.837	45.053	70.8	1.248			
1192	1183	6.285	6.171	35.177	4.39					27.691	32.248	36.695	41.036	45.277	60.1	1.380			
1392	1380	5.649	5.521	35.178	4.76					27.775	32.348	36.810	41.166	45.421	53.3	1.494			
1592	1578	5.040	4.898	35.150	5.09					27.827	32.416	36.894	41.265	45.535	48.9	1.596			
1790	1773	4.592	4.436	35.122	5.25					27.857	32.459	36.948	41.331	45.611	46.6	1.690			
1992	1972	4.124	3.955	35.080	5.34					27.876	32.490	36.993	41.387	45.679	44.8	1.783			
2196	2173	3.670	3.488	35.035	5.51					27.888	32.515	37.030	41.436	45.739	43.3	1.873			
2398	2352	3.333	3.139	35.002	5.66					27.895	32.532	37.056	41.472	45.784	42.2	1.951			
2596	2566	3.064	2.853	34.976	5.69					27.901	32.546	37.078	41.501	45.820	41.7	2.042			
2796	2763	2.879	2.652	34.958	5.68					27.905	32.555	37.093	41.521	45.845	41.6	2.125			
2996	2959	2.739	2.494	34.944	5.66					27.907	32.562	37.104	41.537	45.865	41.6	2.209			
3204	3163	2.644	2.380	34.933	5.64					27.908	32.567	37.111	41.547	45.878	42.1	2.296			
3400	3355	2.566	2.283	34.925	5.68					27.910	32.571	37.119	41.557	45.891	42.5	2.379			
3580	3531	2.506	2.205	34.917	5.65					27.910	32.574	37.123	41.564	45.899	43.1	2.456			
3806	3752	2.468	2.142	34.912	5.70					27.911	32.577	37.128	41.570	45.907	43.9	2.554			
3980	3922	2.443	2.098	34.907	5.62					27.911	32.577	37.130	41.573	45.912	44.7	2.631			

STATION 132

ATLANTIS II-109 133										LAT = 26 29.9 N LONG = 29 7.9 W 29/ 7/81 24 OBS. SONIC DEPTH= 5280m STATION 133						
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT
dbar	m	deg C	deg C	o/oo	ml/l											
12	12	23.823	23.820	37.529	4.87					25.629	29.843	33.960	37.982	41.913	237.5	0.015
114	114	20.663	20.641	37.172	4.91					26.263	30.525	34.687	38.754	42.731	181.6	0.229
204	203	17.919	17.884	36.592	4.51					26.537	30.846	35.054	39.165	43.184	158.6	0.382
274	273	16.510	16.465	36.291	4.38					26.649	30.984	35.216	39.352	43.395	150.0	0.490
356	354	15.015	14.960	36.046	4.35					26.804	31.167	35.427	39.589	43.657	137.3	0.608
376	374	14.638	14.581	35.990	4.35					26.844	31.215	35.482	39.650	43.725	133.9	0.635
568	565	11.832	11.757	35.624	4.27					27.138	31.566	35.889	40.110	44.236	109.4	0.868
764	759	9.712	9.622	35.402	3.67					27.349	31.824	36.192	40.457	44.624	91.5	1.065
946	939	7.539	7.442	35.197	3.68					27.531	32.057	36.474	40.787	45.000	74.0	1.216
1150	1141	6.745	6.632	35.231	4.17					27.672	32.217	36.653	40.983	45.213	62.5	1.355
1358	1347	6.088	5.959	35.237	4.62					27.766	32.328	36.779	41.125	45.370	55.1	1.477
1558	1544	5.338	5.196	35.197	4.90					27.829	32.411	36.881	41.244	45.507	49.4	1.582
1746	1730	4.736	4.583	35.145	5.17					27.859	32.457	36.943	41.321	45.598	46.5	1.672
1950	1931	4.208	4.042	35.092	5.46					27.876	32.488	36.988	41.381	45.670	44.8	1.765
2144	2122	3.726	3.548	35.041	5.53					27.887	32.512	37.025	41.430	45.732	43.3	1.850
2338	2313	3.417	3.225	35.009	5.69					27.893	32.527	37.049	41.462	45.772	42.7	1.934
2552	2523	3.103	2.896	34.979	5.64					27.899	32.543	37.074	41.496	45.814	41.8	2.024
2754	2721	2.926	2.702	34.962	5.68					27.903	32.553	37.089	41.516	45.839	41.7	2.108
2952	2915	2.771	2.530	34.946	5.66					27.906	32.560	37.101	41.532	45.860	41.7	2.191
3160	3120	2.656	2.396	34.934	5.66					27.908	32.566	37.110	41.545	45.876	42.0	2.278
3368	3323	2.582	2.302	34.926	5.70					27.909	32.570	37.117	41.555	45.888	42.5	2.366
3572	3523	2.519	2.218	34.917	5.66					27.909	32.572	37.121	41.561	45.897	43.2	2.453
3776	3722	2.471	2.149	34.911	5.65					27.910	32.575	37.126	41.568	45.905	43.9	2.542
3976	3918	2.444	2.100	34.906	5.65					27.910	32.576	37.129	41.572	45.911	44.7	2.631

STATION 133

ATLANTIS II-109 134										LAT = 27 31.0 N LONG = 29 15.4 W										29/ 7/81 24 OBS. SONIC DEPTH= 4933m										STATION 134	
PR	DE	T	θ	S	OXY	PHOS	SIL	N02	M+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT															
dbar	m	deg C	deg C	o/oo	ml/l																										
19	18	23.546	23.542	37.013	4.88					25.320	29.542	33.664	37.693	41.631	267.1	0.025															
	110	18.631	18.611	36.591	5.17					26.353	30.651	34.847	38.947	42.955	172.4	0.227															
204	203	17.315	17.280	36.426	4.70					26.558	30.878	35.096	39.218	43.247	156.4	0.382															
302	301	15.558	15.510	36.127	4.64					26.743	31.096	35.346	39.498	43.557	141.6	0.528															
400	398	14.204	14.145	35.921	4.62					26.885	31.264	35.540	39.716	43.799	130.5	0.661															
496	493	12.871	12.802	35.736	4.56					27.021	31.427	35.728	39.930	44.037	119.5	0.781															
628	624	11.395	11.314	35.560	4.38					27.172	31.610	35.941	40.172	44.306	107.3	0.931															
812	806	9.505	9.410	35.438	3.95					27.413	31.892	36.264	40.533	44.705	86.3	1.109															
994	987	7.875	7.770	35.329	3.90					27.587	32.104	36.513	40.817	45.023	70.5	1.251															
	1185	7.211	7.089	35.362	4.30					27.712	32.245	36.669	40.988	45.207	60.9	1.383															
	1392	6.397	6.261	35.319	4.70					27.791	32.345	36.788	41.126	45.364	54.3	1.497															
	1590	5.455	5.309	35.231	5.17					27.843	32.421	36.888	41.249	45.508	49.0	1.599															
	1792	4.743	4.585	35.155	5.36					27.867	32.464	36.950	41.329	45.605	46.4	1.696															
	1988	4.249	4.078	35.100	5.48					27.879	32.490	36.989	41.380	45.669	45.1	1.785															
	2189	3.705	3.523	35.039	5.66					27.887	32.514	37.027	41.433	45.735	43.5	1.874															
	2373	3.411	3.216	35.009	5.74					27.893	32.528	37.050	41.464	45.774	42.8	1.953															
	2599	3.059	2.848	34.974	5.70					27.900	32.545	37.077	41.500	45.819	41.8	2.049															
	2797	2.763	2.915	34.961	5.70					27.904	32.554	37.090	41.517	45.841	41.9	2.132															
	2997	2.959	2.751	34.945	5.68					27.907	32.562	37.103	41.535	45.863	41.8	2.215															
	3191	3149	2.663	2.400	34.934	5.66				27.907	32.565	37.109	41.545	45.875	42.3	2.297															
	3391	3345	2.574	2.291	34.924					27.908	32.570	37.117	41.555	45.888	42.7	2.382															
	3601	3550	2.526	2.222	34.917	5.64				27.909	32.572	37.121	41.561	45.896	43.5	2.472															
	3803	3748	2.489	2.163	34.912	5.68				27.909	32.574	37.125	41.566	45.903	44.2	2.561															
	4004	3945	2.455	2.107	34.906	5.69				27.909	32.576	37.128	41.571	45.909	45.0	2.651															
																												STATION 134			

ATLANTIS II-109 135										LAT = 28 30.3 N LONG = 23 23.7 W										29/ 7/81										24 OBS.										SONIC DEPTH= 4793m										STATION 135																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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12	12	23.582	23.579	36.865	4.99					25.197	29.419	33.542	37.571	41.509	278.5	0.018																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
92	92	19.406	19.389	36.681	5.35					26.222	30.506	34.690	38.778	42.775	184.3	0.203																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
198	197	17.766	17.732	36.535	4.74					26.531	30.843	35.053	39.167	43.189	158.9	0.385																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
288	287	16.188	16.141	36.246	4.64					26.690	31.031	35.269	39.410	43.458	146.5	0.522																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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1192	1183	7.231	7.109	35.385	4.48					27.727	32.260	36.683	41.001	45.220	59.5	1.406																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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1590	1576	5.461	5.315	35.234	5.29					27.844	32.422	36.889	41.250	45.509	48.9	1.619																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
1789	1771	4.730	4.573	35.153	5.46					27.867	32.465	36.950	41.329	45.606	46.3	1.714																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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3397	3351	2.591	2.307	34.924	5.70					27.907	32.568	37.114	41.552	45.885	43.0	2.408																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
3597	3546	2.547	2.243	34.919	5.69					27.908	32.571	37.120	41.559	45.894	43.7	2.495																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
3797	3742	2.513	2.187	34.914	5.71					27.909	32.573	37.123	41.564	45.900	44.4	2.583																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
4000	3940	2.485	2.137	34.909	5.70					27.909	32.575	37.126	41.568	45.906	45.3	2.674																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

ATLANTIS II-109 137										LAT = 30 31.2 N LONG = 29 43.0 W										30/ 7/81 24 NRS. SONIC DEPTH= 4379m										STATION 137	
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+M	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT															
dbar	m	deg C	deg C	o/oo	ml/l																										
35	34	23.270	23.263	36.994	5.12					25.388	29.613	33.740	37.772	41.714	261.4	0.046															
172	172	17.888	17.858	36.595	4.97					26.546	30.855	35.063	39.175	43.194	156.5	0.334															
194	193	17.731	17.698	36.586	4.87					26.578	30.890	35.101	39.215	43.237	154.2	0.368															
240	239	16.576	16.537	36.358	4.72					26.683	31.017	35.248	39.382	43.423	145.5	0.437															
332	330	14.877	14.826	36.026	4.64					26.818	31.184	35.447	39.611	43.681	135.1	0.566															
388	386	14.111	14.054	35.907	4.62					26.894	31.275	35.552	39.730	43.814	129.3	0.640															
596	592	11.653	11.575	35.593	4.60					27.149	31.581	35.907	40.132	44.262	108.9	0.888															
794	789	9.983	9.887	35.497	4.19					27.378	31.846	36.208	40.467	44.629	89.9	1.085															
993	985	8.631	8.520	35.483	4.19					27.592	32.091	36.482	40.769	44.958	71.7	1.245															
1217	1206	7.328	7.202	35.429	4.65					27.748	32.278	36.699	41.015	45.232	58.2	1.390															
1409	1396	6.273	6.136	35.333	5.05					27.819	32.375	36.822	41.162	45.403	51.6	1.496															
1597	1582	5.243	5.098	35.205	5.45					27.847	32.431	36.903	41.289	45.534	47.9	1.589															
1795	1777	4.627	4.470	35.134	5.66					27.863	32.464	36.952	41.334	45.613	46.2	1.682															
1989	1968	4.104	3.936	35.075	5.75					27.874	32.489	36.992	41.387	45.679	44.9	1.771															
2195	2171	3.717	3.534	35.034	5.74					27.882	32.508	37.022	41.427	45.729	44.1	1.863															
2405	2378	3.420	3.222	35.005	5.75					27.890	32.525	37.046	41.460	45.770	43.5	1.955															
2589	2558	3.204	2.991	34.985	5.83					27.895	32.537	37.065	41.484	45.800	43.1	2.034															
2797	2763	2.966	2.737	34.963	5.75					27.901	32.549	37.084	41.511	45.833	42.5	2.123															
3005	2967	2.825	2.577	34.951	5.74					27.906	32.559	37.098	41.528	45.854	42.5	2.212															
3195	3153	2.730	2.465	34.941	5.63					27.907	32.564	37.106	41.539	45.868	42.8	2.293															
3393	3347	2.654	2.369	34.933	5.70					27.909	32.568	37.113	41.549	45.880	43.3	2.378															
3593	3543	2.589	2.284	34.924	5.66					27.909	32.570	37.118	41.556	45.890	44.0	2.465															
3799	3744	2.549	2.222	34.918	5.71					27.909	32.572	37.122	41.561	45.897	44.8	2.557															
4008	3947	2.523	2.173	34.912	5.71					27.909	32.573	37.124	41.565	45.901	45.8	2.651															

STATION 137

ATLANTIS II-109 138										SONIC DEPTH= 4251m										STATION 138	
LAT = 31 29.1 N LONG = 29 52.6 W										24 OBS.											
30/ 7/91																					
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT					
dbar	m	deg C	deg C	o/oo	ml/l																
12	12	23.492	23.489	36.742	5.01					25.131	29.354	33.479	37.510	41.450	284.8	0.019					
94	94	18.529	18.512	36.530	5.31					26.332	30.631	34.829	38.931	42.942	173.8	0.207					
194	193	16.932	16.900	36.333	4.79					26.578	30.905	35.130	39.259	43.294	153.9	0.370					
292	291	15.462	15.416	36.106	4.70					26.748	31.103	35.355	39.508	43.569	140.7	0.515					
392	390	14.060	14.002	35.887	4.64					26.889	31.271	35.549	39.729	43.814	129.8	0.650					
490	487	13.039	12.970	35.743	4.70					26.992	31.395	35.693	39.892	43.995	122.2	0.773					
592	588	12.112	12.032	35.629	4.54					27.089	31.512	35.829	40.045	44.166	115.0	0.894					
790	785	10.207	10.111	35.490	4.27					27.334	31.798	36.154	40.409	44.567	94.4	1.102					
991	983	8.620	8.509	35.463	4.37					27.578	32.078	36.469	40.756	44.946	72.9	1.269					
1195	1185	7.470	7.345	35.440	4.69					27.736	32.263	36.680	40.993	45.207	59.3	1.404					
1397	1384	6.256	6.121	35.319	5.09					27.810	32.367	36.814	41.155	45.396	52.2	1.517					
1591	1576	5.463	5.316	35.230	5.36					27.841	32.419	36.886	41.246	45.506	49.2	1.615					
1793	1775	4.752	4.594	35.150	5.64					27.862	32.459	36.945	41.323	45.599	46.9	1.712					
1995	1974	4.202	4.032	35.085						27.872	32.484	36.984	41.377	45.667	45.6	1.806					
2191	2167	3.779	3.596	35.036						27.878	32.502	37.014	41.418	45.719	44.8	1.894					
2383	2356	3.376	3.181	34.991	5.90					27.882	32.519	37.041	41.456	45.767	43.7	1.979					
2593	2562	3.140	2.928	34.972						27.891	32.534	37.064	41.485	45.802	43.1	2.070					
2795	2761	2.987	2.758	34.959	5.86					27.896	32.544	37.078	41.504	45.826	43.1	2.157					
2993	2955	2.877	2.629	34.952	5.74					27.902	32.553	37.091	41.520	45.845	43.1	2.243					
3188	3145	2.754	2.489	34.942	5.69					27.906	32.562	37.103	41.536	45.864	43.1	2.327					
3398	3351	2.671	2.385	34.932	5.75					27.907	32.565	37.110	41.545	45.876	43.7	2.418					
3596	3545	2.602	2.296	34.923	5.75					27.907	32.568	37.115	41.553	45.886	44.2	2.505					
3798	3742	2.544	2.217	34.917						27.909	32.572	37.121	41.561	45.897	44.7	2.595					
3990	3929	2.516	2.168	34.912	5.73					27.909	32.574	37.124	41.566	45.902	45.6	2.681					
																				STATION 138	

ATLANTIS II-109 139										LAT = 30 39.2 N LONG = 31 1.4 W										31/ 7/81 24 OBS. SONIC DEPTH= 4492m										STATION 139									
PR	DE	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																							
dbar	"	deg C	deg C	o/oo	ml/l																																		
7	7	23.294	23.293	36.889	5.04					25.300	29.525	33.652	37.684	41.626	268.5	0.009																							
91	91	18.755	18.739	36.572	5.34					26.307	30.602	34.796	38.894	42.901	176.2	0.198																							
192	191	18.184	18.150	36.644	4.89					26.510	30.814	35.018	39.124	43.139	160.7	0.368																							
274	273	17.064	17.018	36.430	4.73					26.624	30.949	35.171	39.297	43.330	152.6	0.497																							
372	370	15.345	15.287	36.102	4.64					26.774	31.131	35.385	39.541	43.604	140.9	0.640																							
496	493	13.390	13.319	35.805	4.63					26.969	31.364	35.656	39.848	43.945	124.9	0.805																							
592	588	12.277	12.197	35.663	4.54					27.084	31.503	35.816	40.029	44.147	115.7	0.921																							
792	787	10.255	10.158	35.477	4.20					27.316	31.778	36.134	40.388	44.545	96.2	1.133																							
972	965	9.029	8.919	35.504	4.22					27.545	32.035	36.417	40.696	44.877	76.5	1.288																							
1159	1159	7.777	7.652	35.476	4.53					27.719	32.239	36.649	40.955	45.161	61.2	1.423																							
1361	1349	6.561	6.427	35.362	5.05					27.803	32.352	36.792	41.126	45.359	53.2	1.533																							
1555	1540	5.564	5.420	35.242	5.39					27.838	32.413	36.877	41.235	45.492	49.4	1.633																							
1749	1732	4.876	4.721	35.163	5.55					27.858	32.452	36.934	41.309	45.583	47.3	1.727																							
1945	1925	4.407	4.239	35.111						27.870	32.477	36.972	41.359	45.644	46.2	1.818																							
2149	2126	3.957	3.775	35.061	5.71					27.879	32.499	37.006	41.405	45.701	45.2	1.911																							
2355	2328	3.523	3.328	35.013	5.84					27.886	32.518	37.037	41.447	45.755	44.0	2.003																							
2569	2539	3.222	3.011	34.984						27.893	32.534	37.061	41.480	45.795	43.3	2.097																							
2775	2741	3.028	2.800	34.965						27.897	32.544	37.077	41.501	45.822	43.1	2.186																							
2975	2937	2.846	2.601	34.950	5.75					27.903	32.555	37.094	41.523	45.849	42.7	2.272																							
3177	3135	2.750	2.486	34.941	5.73					27.906	32.561	37.103	41.536	45.864	43.1	2.358																							
3361	3316	2.635	2.354	34.930						27.908	32.567	37.113	41.549	45.881	43.1	2.438																							
3557	3507	2.575	2.274	34.922	5.69					27.908	32.570	37.117	41.556	45.890	43.7	2.523																							
3755	3701	2.535	2.213	34.916	5.71					27.909	32.572	37.121	41.561	45.897	44.5	2.610																							
3947	3888	2.514	2.171	34.912	5.69					27.909	32.573	37.124	41.565	45.902	45.3	2.696																							

STATION 139

ATLANTIS II-109 140										LAT = 29 29.6 N LONG = 31 29.8 W										31/ 7/81 24 OBS. SONIC DEPTH= 4379m										STATION 140									
PR	DF	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																							
dbar	m	deg C	deg C	o/oo	ml/l																																		
9	9	24.058	24.056	36.933	5.15					25.107	29.322	33.438	37.461	41.392	286.9	0.013																							
104	104	19.134	19.115	36.731	5.22					26.331	30.619	34.807	38.899	42.899	174.4	0.234																							
204	203	17.378	17.343	36.486	4.75					26.588	30.907	35.124	39.244	43.272	153.5	0.398																							
296	295	15.622	15.575	36.144	4.64					26.742	31.093	35.342	39.493	43.550	141.6	0.534																							
390	388	14.299	14.241	35.934	4.62					26.875	31.252	35.525	39.700	43.781	131.3	0.662																							
496	493	12.678	12.610	35.710	4.60					27.039	31.449	35.754	39.960	44.070	117.6	0.794																							
592	588	11.615	11.538	35.589	4.46					27.153	31.585	35.912	40.139	44.269	108.4	0.902																							
784	779	9.435	9.344	35.429	4.07					27.417	31.898	36.271	40.541	44.714	85.1	1.088																							
972	965	8.464	8.357	35.470	4.23					27.608	32.111	36.505	40.796	44.988	69.4	1.233																							
1196	1187	7.286	7.163	35.433	4.69					27.757	32.288	36.709	41.027	45.244	56.9	1.375																							
1399	1386	6.056	5.923	35.300	5.12					27.920	32.383	36.834	41.180	45.425	50.6	1.484																							
1607	1592	5.201	5.056	35.200	5.41					27.848	32.433	36.907	41.274	45.539	47.7	1.586																							
1803	1785	4.562	4.406	35.124	5.64					27.862	32.465	36.955	41.338	45.619	46.1	1.678																							
2003	1982	4.016	3.848	35.063	5.74					27.974	32.491	36.996	41.393	45.688	44.6	1.769																							
2207	2183	3.592	3.410	35.018	5.79					27.882	32.511	37.028	41.437	45.742	43.5	1.859																							
2401	2374	3.334	3.138	34.996	5.84					27.891	32.528	37.052	41.467	45.779	42.9	1.942																							
2593	2562	3.093	2.882	34.973	5.79					27.996	32.540	37.071	41.494	45.812	42.3	2.024																							
2791	2757	2.937	2.709	34.958	5.78					27.900	32.549	37.084	41.511	45.834	42.4	2.108																							
2983	2945	2.803	2.558	34.946						27.903	32.557	37.097	41.527	45.854	42.4	2.199																							
3193	3151	2.687	2.423	34.935	5.67					27.906	32.563	37.107	41.541	45.872	42.6	2.279																							
3385	3339	2.575	2.293	34.923	5.68					27.908	32.569	37.116	41.554	45.887	42.7	2.361																							
3595	3545	2.531	2.227	34.917	5.67					27.908	32.571	37.120	41.560	45.895	43.5	2.451																							
3797	3742	2.501	2.176	34.912	5.71					27.908	32.573	37.123	41.564	45.901	44.4	2.540																							
4001	3941	2.480	2.132	34.908	5.67					27.909	32.574	37.126	41.568	45.906	45.3	2.632																							

STATION 140

ATLANTIS 11-109 141										SONIC DEPTH= 4533m										STATION 141	
LAT = 28 39.6 N LONG = 32 30.6 W										31/ 7/81 23 HRS.											
PR	DF	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT					
dbar	m	deg C	deg C	o/oo	ml/l																
17	15	24.157	24.153	36.900	5.01					25.053	29.267	33.382	37.403	41.334	292.4	0.025					
174	174	17.959	17.929	36.501						26.456	30.765	34.972	39.083	43.103	165.1	0.385					
270	269	16.351	16.307	36.253	4.66					26.657	30.995	35.230	39.368	43.414	149.0	0.537					
366	364	14.785	14.729	35.998	4.63					26.818	31.186	35.450	39.616	43.689	136.2	0.674					
388	386	14.425	14.367	35.942	4.64					26.854	31.228	35.500	39.672	43.751	133.3	0.703					
488	485	13.082	13.013	35.766	4.52					27.001	31.403	35.700	39.898	44.001	121.3	0.830					
608	604	11.623	11.543	35.595	4.30					27.156	31.589	35.916	40.142	44.272	108.5	0.968					
804	799	9.490	9.396	35.402	3.79					27.387	31.867	36.239	40.509	44.681	88.5	1.161					
998	991	8.017	7.910	35.345	4.00					27.578	32.092	36.497	40.799	45.001	71.7	1.317					
1192	1183	7.332	7.209	35.393	4.45					27.719	32.249	36.670	40.986	45.203	60.5	1.445					
1390	1378	6.205	6.071	35.309	4.83					27.808	32.367	36.815	41.157	45.399	52.0	1.556					
1592	1578	5.405	5.259	35.227	5.25					27.845	32.425	36.893	41.255	45.516	48.6	1.658					
1791	1773	4.745	4.587	35.153	5.46					27.865	32.462	36.948	41.327	45.603	46.5	1.752					
1991	1970	4.214	4.044	35.092	5.63					27.876	32.488	36.988	41.380	45.670	45.2	1.844					
2193	2169	3.748	3.565	35.040	5.84					27.884	32.509	37.022	41.426	45.728	44.0	1.934					
2373	2346	3.398	3.203	35.003	5.81					27.890	32.525	37.047	41.461	45.772	43.1	2.013					
2589	2558	3.114	2.903	34.976	5.79					27.896	32.540	37.071	41.492	45.810	42.4	2.105					
2791	2757	2.922	2.694	34.959	5.77					27.902	32.551	37.087	41.515	45.838	42.1	2.190					
2991	2953	2.787	2.542	34.945	5.73					27.904	32.558	37.098	41.529	45.857	42.3	2.275					
3193	3151	2.682	2.418	34.934	5.71					27.906	32.563	37.107	41.542	45.872	42.6	2.361					
3397	3351	2.601	2.317	34.925	5.71					27.907	32.567	37.114	41.551	45.884	43.1	2.448					
3599	3548	2.553	2.248	34.919	5.73					27.908	32.570	37.119	41.558	45.893	43.8	2.536					
3799	3744	2.516	2.190	34.914	5.71					27.909	32.573	37.123	41.564	45.900	44.5	2.624					

STATION 141

ATLANTIS II-109 142										LAT = 28 10.9 N				LONG = 31 0.6 W				1/ 8/81				24 OBS.				SONIC DEPTH= 4768m				STATION 142			
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																	
dbar	m	deg C	deg C	o/oo	ml/l																												
12	12	23.943	23.940	37.372	4.88					25.474	29.688	33.803	37.825	41.756	252.2	0.016																	
96	96	20.979	20.960	37.144	5.13					26.154	30.412	34.570	38.632	42.604	191.1	0.202																	
194	193	18.584	18.549	36.739	4.79					26.482	30.779	34.976	39.076	43.085	163.6	0.376																	
294	293	15.952	15.905	36.199	4.59					26.709	31.054	35.296	39.442	43.494	144.8	0.530																	
396	394	14.354	14.295	35.946	4.55					26.872	31.248	35.521	39.695	43.775	131.7	0.671																	
448	446	13.595	13.530	35.838	4.52					26.951	31.342	35.629	39.817	43.910	125.4	0.738																	
594	590	11.776	11.698	35.617	4.25					27.144	31.573	35.897	40.120	44.247	109.5	0.909																	
796	791	9.696	9.602	35.416	3.78					27.363	31.839	36.207	40.472	44.640	90.9	1.112																	
994	987	7.990	7.884	35.342	3.89					27.580	32.094	36.500	40.802	45.005	71.4	1.272																	
1192	1183	7.109	6.988	35.347	4.35					27.714	32.250	36.676	40.998	45.219	60.3	1.403																	
1392	1380	6.239	6.105	35.302	4.82					27.798	32.356	36.803	41.145	45.386	53.1	1.516																	
1594	1580	5.451	5.304	35.234	5.20					27.845	32.424	36.891	41.252	45.511	48.8	1.619																	
1796	1779	4.673	4.516	35.147	5.48					27.868	32.468	36.955	41.335	45.614	46.0	1.715																	
1994	1974	4.129	3.960	35.085	5.65					27.879	32.474	36.996	41.390	45.682	44.6	1.805																	
2179	2155	3.698	3.517	35.037	5.75					27.886	32.513	37.027	41.433	45.735	43.4	1.886																	
2389	2362	3.336	3.141	34.998	5.79					27.892	32.529	37.053	41.468	45.780	42.7	1.976																	
2597	2566	3.096	2.884	34.974	5.83					27.897	32.541	37.072	41.494	45.812	42.3	2.064																	
2791	2757	2.919	2.691	34.958	5.84					27.901	32.551	37.087	41.514	45.838	42.1	2.146																	
2995	2957	2.765	2.520	34.943	5.73					27.904	32.559	37.100	41.532	45.859	42.1	2.232																	
3193	3151	2.671	2.407	34.933	5.68					27.906	32.564	37.108	41.543	45.873	42.5	2.316																	
3395	3349	2.604	2.320	34.925	5.75					27.907	32.567	37.113	41.551	45.883	43.1	2.403																	
3597	3546	2.530	2.226	34.916	5.73					27.907	32.570	37.119	41.559	45.894	43.6	2.490																	
3801	3746	2.499	2.173	34.911	5.74					27.908	32.572	37.123	41.564	45.901	44.4	2.580																	
4001	3941	2.478	2.130	34.907	5.68					27.908	32.574	37.126	41.568	45.906	45.3	2.670																	

STATION 142

ATLANTIS II-109 143										LAT = 27 9.6 N LONG = 32 30.2 W 1/ 8/81 24 ORS. SONIC DEPTH= 5187m STATION 143									
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT			
dbar	m	deg C	deg C	o/oo	ml/l														
10	10	24.334	24.332	37.529	4.96					25.476	29.683	33.793	37.808	41.733	251.9	0.014			
196	195	18.779	18.744	36.766	4.80					26.453	30.747	34.940	39.038	43.043	166.5	0.403			
224	223	17.526	17.488	36.482	4.64					26.550	30.866	35.081	39.199	43.225	157.9	0.448			
284	283	16.386	16.340	36.262	4.55					26.656	30.993	35.228	39.366	43.411	149.6	0.540			
360	358	15.087	15.031	36.052	4.55					26.793	31.155	35.414	39.574	43.641	138.6	0.650			
396	394	14.575	14.515	35.974	4.52					26.846	31.218	35.486	39.656	43.732	134.3	0.699			
594	590	11.958	11.879	35.635	4.32					27.123	31.549	35.869	40.088	44.212	111.6	0.942			
788	783	9.727	9.634	35.410	3.75					27.353	31.828	36.195	40.460	44.627	91.7	1.139			
994	987	7.599	7.496	35.250	3.93					27.565	32.089	36.505	40.816	45.027	71.9	1.308			
1192	1183	6.586	6.470	35.220	4.42					27.685	32.235	36.674	41.008	45.242	61.5	1.440			
1392	1380	6.123	5.990	35.262	4.91					27.782	32.343	36.793	41.138	45.382	54.2	1.556			
1596	1582	5.330	5.185	35.206	5.20					27.838	32.419	36.890	41.254	45.516	49.1	1.661			
1798	1781	4.650	4.493	35.137	5.46					27.863	32.463	36.951	41.332	45.611	46.4	1.758			
1990	1970	4.115	3.946	35.081	5.60					27.878	32.492	36.995	41.390	45.682	44.6	1.845			
2194	2171	3.666	3.484	35.031	5.70					27.885	32.512	37.027	41.434	45.737	43.5	1.935			
2386	2360	3.356	3.161	34.999	5.80					27.891	32.527	37.051	41.466	45.777	42.9	2.018			
2590	2560	3.115	2.904	34.976	5.75					27.896	32.540	37.070	41.492	45.810	42.4	2.105			
2794	2761	2.952	2.723	34.961	5.74					27.901	32.549	37.085	41.511	45.834	42.4	2.191			
2996	2959	2.783	2.537	34.945	5.70					27.905	32.558	37.099	41.530	45.857	42.2	2.277			
3186	3145	2.694	2.430	34.935	5.62					27.906	32.563	37.106	41.540	45.870	42.7	2.357			
3394	3349	2.609	2.325	34.925	5.70					27.906	32.567	37.113	41.550	45.883	43.2	2.447			
3596	3546	2.546	2.242	34.919	5.61					27.909	32.571	37.120	41.559	45.894	43.6	2.534			
3790	3736	2.498	2.173	34.912	5.71					27.909	32.573	37.124	41.565	45.901	44.3	2.620			
3988	3929	2.469	2.123	34.906	5.76					27.908	32.574	37.126	41.568	45.906	45.2	2.708			

STATION 143

ATLANTIS 11-109 145										LAT = 27 3.6 N LONG = 35 18.2 W				2/ 8/81 24 OBS.				STATION 145			
PR	DF	T	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT					
dbar	m	deg C	deg C	o/oo	ml/l																
119	118	19.848	19.826	36.813	4.96					26.208	30.485	34.661	38.742	42.732	186.8	0.111					
164	164	18.405	18.376	36.596	4.44					26.417	30.718	34.918	39.021	43.033	168.5	0.193					
284	283	16.469	16.422	36.272	4.63					26.644	30.980	35.213	39.350	43.393	150.8	0.384					
370	368	15.013	14.956	36.039	4.37					26.800	31.163	35.423	39.585	43.653	138.2	0.508					
506	503	13.203	13.131	35.771	4.50					26.981	31.380	35.676	39.871	43.972	123.9	0.687					
558	555	12.365	12.289	35.669	4.47					27.070	31.487	35.799	40.011	44.127	116.1	0.749					
740	735	10.216	10.126	35.447	3.99					27.298	31.761	36.118	40.373	44.530	96.6	0.943					
912	906	8.000	7.903	35.253	3.85					27.507	32.022	36.428	40.730	44.933	76.6	1.092					
1090	1090	6.834	6.725	35.221	4.34					27.651	32.194	36.628	40.956	45.184	63.8	1.222					
1296	1285	6.009	5.887	35.216	4.80					27.759	32.322	36.776	41.123	45.370	54.6	1.339					
1486	1473	5.432	5.297	35.205	5.13					27.823	32.402	36.870	41.231	45.491	49.3	1.438					
1494	1481	5.411	5.275	35.204	5.13					27.825	32.405	36.873	41.234	45.495	49.2	1.442					
1710	1694	4.789	4.639	35.152	5.31					27.859	32.455	36.939	41.316	45.591	46.4	1.545					
1917	1897	4.104	3.943	35.079	5.58					27.876	32.491	36.994	41.389	45.681	43.9	1.638					
2113	2090	3.702	3.528	35.035	5.65					27.884	32.510	37.024	41.429	45.731	43.1	1.724					
2337	2311	3.305	3.115	34.995	5.76					27.892	32.530	37.054	41.470	45.783	42.1	1.819					
2563	2533	3.100	2.892	34.975	5.73					27.897	32.541	37.071	41.493	45.812	42.1	1.914					
2779	2745	2.953	2.726	34.961	5.73					27.900	32.549	37.084	41.511	45.833	42.3	2.005					
2997	2959	2.778	2.532	34.944	5.65					27.904	32.558	37.099	41.530	45.858	42.2	2.097					
3219	3176	2.655	2.389	34.931	5.66					27.906	32.564	37.109	41.544	45.875	42.5	2.192					
3445	3398	2.575	2.287	34.922	5.76					27.907	32.568	37.116	41.554	45.888	43.1	2.288					
3653	3601	2.523	2.213	34.916	5.77					27.909	32.572	37.121	41.561	45.897	43.8	2.379					
3858	3803	2.476	2.144	34.909	5.66					27.909	32.574	37.125	41.567	45.904	44.5	2.470					
4056	3995	2.434	2.081	34.903						27.909	32.576	37.129	41.573	45.912	45.1	2.558					

STATION 145

ATLANTIS II-109 146										LAT = 26 24.9 N LONG = 34 0.4 W										3/ 8/81 24 OBS. SONIC DEPTH= 5946m										STATION 146									
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+M	SIG-8	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																							
dbar	m	deg C	deg C	o/oo	ml/l																																		
25	24	24.941	24.936	37.585	4.80					25.335	29.534	33.635	37.642	41.560	266.0	0.033																							
106	106	21.087	21.066	37.082	4.79					26.078	30.334	34.491	38.553	42.524	198.8	0.224																							
198	197	17.809	17.775	36.507	4.28					26.499	30.810	35.020	39.133	43.155	161.9	0.389																							
294	293	16.347	16.299	36.251	4.43					26.657	30.995	35.231	39.369	43.415	149.9	0.539																							
390	388	14.679	14.620	35.991	4.39					26.837	31.206	35.473	39.641	43.715	135.1	0.676																							
490	487	13.341	13.271	35.799	4.35					26.974	31.371	35.663	39.856	43.954	124.2	0.805																							
584	581	12.275	12.196	35.670	4.30					27.089	31.508	35.822	40.035	44.153	114.9	0.918																							
784	779	9.863	9.770	35.418	3.80					27.337	31.808	36.172	40.434	44.599	93.4	1.126																							
986	979	7.755	7.652	35.243	3.87					27.537	32.057	36.469	40.777	44.985	74.7	1.296																							
1180	1171	6.435	6.321	35.196	4.49					27.686	32.239	36.682	41.020	45.257	60.8	1.427																							
1384	1372	5.813	5.684	35.211	4.93					27.780	32.349	36.807	41.160	45.411	53.2	1.543																							
1590	1576	5.235	5.091	35.195	5.24					27.840	32.424	36.897	41.263	45.528	48.4	1.648																							
1792	1775	4.603	4.447	35.132	5.43					27.864	32.465	36.955	41.337	45.617	46.0	1.744																							
1992	1972	4.091	3.922	35.076	5.60					27.876	32.492	36.995	41.390	45.683	44.6	1.834																							
2194	2171	3.658	3.476	35.031	5.68					27.886	32.513	37.028	41.435	45.739	43.4	1.923																							
2398	2372	3.310	3.114	34.996	5.71					27.893	32.531	37.055	41.471	45.784	42.5	2.011																							
2596	2566	3.065	2.854	34.972	5.69					27.898	32.543	37.074	41.498	45.817	42.0	2.095																							
2794	2761	2.877	2.650	34.954	5.66					27.902	32.553	37.090	41.518	45.843	41.8	2.178																							
2994	2957	2.762	2.517	34.942	5.65					27.904	32.558	37.099	41.531	45.859	42.1	2.261																							
3192	3151	2.671	2.407	34.933	5.64					27.906	32.564	37.108	41.543	45.873	42.5	2.345																							
3398	3353	2.587	2.303	34.923	5.68					27.907	32.567	37.114	41.552	45.885	43.0	2.433																							
3628	3578	2.526	2.219	34.916	5.66					27.908	32.571	37.120	41.560	45.896	43.7	2.533																							
3814	3760	2.494	2.167	34.910	5.73					27.908	32.572	37.123	41.564	45.901	44.5	2.615																							
4036	3976	2.459	2.108	34.905	5.71					27.908	32.575	37.127	41.570	45.908	45.3	2.715																							

STATION 146

ATLANTIS II-109 148										LAT = 24 54.7 N LONG = 71 0.5 W										4/ 8/81 24 DRS. SONIC DEPTH= 5563m										STATION 148	
PR	DE	T	θ	S	OXY	PHOS	SIL	NO2	N+N	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT															
dbar	m	deg C	deg C	o/oo	ml/l																										
16	16	23.975	23.971	37.437	4.90					25.514	29.727	33.842	37.862	41.793	748.6	0.021															
110	110	20.799	20.778	37.180	4.95					26.232	30.492	34.652	38.717	42.691	184.4	0.224															
208	207	18.012	17.976	36.612	4.53					26.529	30.837	35.043	39.152	43.170	159.5	0.393															
302	301	15.869	15.821	36.181	4.33					26.714	31.061	35.305	39.452	43.505	144.5	0.535															
398	395	14.214	14.155	35.929	4.27					26.889	31.268	35.543	39.720	43.802	130.1	0.667															
494	491	12.708	12.640	35.727	4.15					27.046	31.456	35.760	39.965	44.074	116.9	0.786															
586	582	11.641	11.564	35.590	3.74					27.148	31.581	35.907	40.133	44.262	108.7	0.889															
776	771	9.201	9.112	35.311	3.32					27.363	31.850	36.229	40.505	44.683	89.6	1.078															
974	967	7.370	7.271	35.172	3.67					27.536	32.067	36.488	40.804	45.021	73.7	1.239															
1166	1157	6.205	6.095	35.137	4.19					27.669	32.229	36.677	41.021	45.263	61.5	1.369															
1358	1347	5.733	5.607	35.170	4.58					27.758	32.329	36.789	41.143	45.396	54.7	1.481															
1554	1540	5.109	4.970	35.146	5.09					27.816	32.403	36.879	41.249	45.517	49.7	1.593															
1750	1734	4.519	4.368	35.105	5.26					27.851	32.455	36.946	41.331	45.612	46.3	1.677															
1950	1931	4.097	3.933	35.068	5.43					27.869	32.484	36.987	41.382	45.674	44.9	1.768															
2154	2132	3.704	3.526	35.033	5.59					27.882	32.509	37.022	41.428	45.730	43.6	1.859															
2350	2325	3.390	3.198	35.003	5.65					27.890	32.526	37.048	41.462	45.773	42.8	1.943															
2556	2527	3.117	2.909	34.978	5.71					27.897	32.541	37.071	41.493	45.811	42.1	2.031															
2750	2718	2.954	2.730	34.964	5.65					27.902	32.551	37.086	41.512	45.835	42.0	2.112															
2948	2912	2.799	2.558	34.948	5.66					27.905	32.558	37.098	41.529	45.856	42.0	2.195															
3150	3110	2.679	2.419	34.935	5.70					27.906	32.564	37.107	41.542	45.872	42.2	2.280															
3360	3316	2.589	2.309	34.925	5.70					27.908	32.568	37.115	41.552	45.886	42.7	2.370															
3564	3515	2.525	2.225	34.917	5.71					27.908	32.571	37.120	41.560	45.895	43.3	2.457															
3766	3713	2.474	2.153	34.911	5.68					27.909	32.575	37.126	41.567	45.904	43.9	2.545															
3988	3929	2.440	2.095	34.905	5.65					27.909	32.576	37.129	41.572	45.911	44.8	2.644															

STATION 148

ATLANTIS II-109 149										LAT = 26 30.8 N LONG = 30 59.3 W										4/ 8/81 24 OBS. SONIC DEPTH= 5537m										STATION 149									
PR	QF	Y	θ	S	OXY	PHOS	SIL	N02	N+N	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	ANOM	HEIGHT																							
dbar	m	deg C	deg C	o/oo	ml/l																																		
Q	Q	24.124	24.122	37.567	5.10					25.568	29.778	33.890	37.908	41.835	243.1	0.011																							
182	181	19.005	18.972	36.781	4.81					26.406	30.696	34.886	38.980	42.982	170.4	0.370																							
240	239	17.271	17.230	36.422	4.57					26.567	30.888	35.107	39.229	43.259	156.9	0.465																							
290	289	16.531	16.483	36.287	4.50					26.642	30.976	35.208	39.344	43.386	151.3	0.542																							
350	348	15.458	15.403	36.108	4.48					26.753	31.108	35.360	39.514	43.574	142.2	0.630																							
400	398	14.696	14.635	35.992	4.58					26.834	31.203	35.470	39.637	43.711	135.7	0.700																							
600	595	11.890	11.810	35.624	4.11					27.128	31.555	35.876	40.097	44.222	111.3	0.946																							
792	787	9.365	9.273	35.338	3.56					27.357	31.840	36.216	40.489	44.663	90.7	1.140																							
988	981	7.259	7.159	35.162	3.88					27.544	32.077	36.501	40.820	45.040	72.9	1.301																							
1188	1179	6.200	6.088	35.129	4.43					27.664	32.224	36.673	41.016	45.259	62.3	1.436																							
1390	1374	5.588	5.461	35.156	4.83					27.765	32.340	36.804	41.161	45.418	54.0	1.553																							
1588	1574	5.249	5.105	35.179	5.14					27.826	32.410	36.882	41.248	45.512	49.8	1.656																							
1776	1759	4.677	4.522	35.129	5.34					27.853	32.453	36.940	41.320	45.599	47.1	1.747																							
1984	1964	4.196	4.027	35.088	5.54					27.875	32.487	36.988	41.380	45.670	45.2	1.843																							
2192	2169	3.726	3.543	35.038	5.66					27.885	32.510	37.024	41.429	45.731	43.9	1.936																							
2354	2328	3.420	3.227	35.008	5.70					27.892	32.526	37.048	41.461	45.771	42.9	2.006																							
2584	2555	3.151	2.940	34.982	5.73					27.898	32.541	37.070	41.491	45.808	42.5	2.105																							
2790	2757	2.934	2.706	34.961	5.72					27.902	32.551	37.087	41.514	45.837	42.1	2.192																							
2984	2947	2.789	2.544	34.946	5.65					27.904	32.558	37.099	41.530	45.857	42.2	2.273																							
3202	3161	2.671	2.406	34.935	5.66					27.908	32.565	37.109	41.544	45.875	42.4	2.366																							
3422	3375	2.582	2.296	34.924	5.71					27.908	32.569	37.116	41.554	45.887	43.0	2.460																							
3604	3554	2.523	2.218	34.917	5.72					27.909	32.572	37.121	41.561	45.897	43.4	2.538																							
3804	3750	2.476	2.151	34.909						27.908	32.573	37.124	41.566	45.903	44.2	2.626																							
4010	3951	2.449	2.111	34.905	5.70					27.908	32.574	37.127	41.570	45.908	45.2	2.718																							

STATION 149

Part II: Profiles of Temperature, Salinity and Oxygen on the periphery of the triangle.

The primary purpose of the surveys was not to produce atlas-type profiles in the mid-ocean. The thousand kilometer scale maps such a small portion of the subtropical gyre that important features on the side of the triangle such as the slopes of isotherms, etc. in the main thermocline, are barely visible to the eye above the natural background noise. Such quantities and higher derivations of the fields must be obtained by numerical fitting of polynomials to the full data set of each survey. Behringer and Stommel (1981), Behringer (1983) and Armi and Stommel (1983) have determined such fits and used them for various diagnostic purposes. On the other hand other features are visible on profiles, and since the profiles are not published elsewhere, it seemed to us that it might be useful to some future investigator to be able to view them conveniently. We present here the profiles of temperature, salinity and oxygen on each of the three sides of the triangle, for each survey.

We would like to emphasize that profiles over short distances in mid-ocean do not give the same kind of information as long profiles across whole basins, and hence need to be studied differently. In the beta-triangle studies the station pattern is designed not for profiles, but for coverage in both horizontal directions; and not for mapping of structural features, but for determination of local derivatives and moments of the variables about a central point in the presence of mesoscale noise. The appropriate tools for the study of this data are the polynomial fits. However the profile is so familiar a tool from oceanographic tradition, we decided some investigators would like to have the profiles for inspection. That is the excuse for showing them in this respect.

Because the triangle was circumnavigated starting at varying points, and in various directions, the station numbers are in different order from survey to survey. To help identify the sides of the triangle, so that confusion over station number can be avoided, the vertices of the triangle A, B, C are labelled the same in all surveys. These are presented in Plates 2 through 43 showing these profiles arranged in order of survey, property and side. Stations used in the profiles are shown in Plate 1.

The profiles show most clearly

1. The seasonal variation of the properties in the surface mixed layer, its depth, and they also give a fair indication of the variation of mixed layer properties with latitude over the 10 degrees of latitude spanned by the triangle. This will be useful to those concerned with ventilation processes in the upper layers: for example in the interpretation of the observed distribution of tritium and helium-3 in the upper layer of the thermocline just deeper than maximum wintertime depth of penetration of the mixed layer.

2. The horizontal and time mean vertical distribution of the temperature and salinity in the upper main thermocline, from the bottom of the mixed layer to depths of about 700 meters.

In this range of depths the slopes of isotherms and isohalines are difficult to see by visual inspection of the profiles -- there is too much noise, or variability -- on the scale of the station spacing. Such slopes can be and have been (Armi and Stommel, 1983) determined by polynomial fitting. In fact the design of the triangular station array was arranged to be able to determine these (and of course density) slopes: the station spacing is approximately that of the eddy-scale, the dimensions of the whole array are small compared to the size of the subtropical gyre.

3. The strong oxygen minimum layer is clearly visible centered at about 800 m. Horizontal gradients of oxygen are also clearly visible. Thus on any one of the four profiles CA (the Survey 3, by RESEARCHER has no oxygen determination), for example, the oxygen minimum increases from about 3.00 ml/l at corner C to 4.25 ml/l at corner A. Moreover these same values were obtained at all four surveys (within apparent noise), and the inference one draws is that there were no large (several station spacings) transient displacements of the water mass labelled by dissolved oxygen at the 800 meter level from survey to survey.

4. In the range of depths 800 m to 1300 m the profiles of salinity (and to a lesser extent temperature) show the influence of Mediterranean Water. For example, on the CA profiles the isohalines are visually vertical at these levels. The salinity ranges from 35.04-35.10‰ at C in the

south to $35.40\text{--}35.50\text{‰}$ at A in the north. There is no obvious difference visible above the smaller scale noise from one survey to another except for the striking presence of the high salinity blob at station 126 of the OCEANUS profile. There is a correspondingly exceptional signal in the temperature profile at this station.

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PLATE 1

PLATE 2

PLATE 3

PLATE 4

PLATE 5

PLATE 6

PLATE 7

PLATE 8

PLATE 9

PLATE 10

PLATE 11

PLATE 12

PLATE 13

PLATE 14

PLATE 15

PLATE 17

PLATE 19

PLATE 20

PLATE 21

PLATE 22

PLATE 23

PLATE 24

PLATE 25

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PLATE 34

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PLATE 37

PLATE 39

PLATE 41

PLATE 42

C

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