PB93184778

NOAA Data Report ERL AOML-23

HYDROGRAPHIC OBSERVATIONS IN THE WESTERN TROPICAL AND SUBTROPICAL NORTH ATLANTIC OCEAN: ATLANTIC CLIMATE CHANGE PROGRAM (ACCP) AND WESTERN TROPICAL ATLANTIC EXPERIMENT (WESTRAX) DURING 1991

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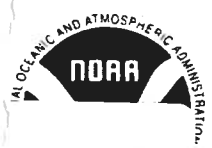
March 1993



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I. INTRODUCTION

Atlantic Oceanographic and Meteorological Laboratory cruises during 1991 were directed at meeting the objectives of the Western Tropical Atlantic Experiment (WESTRAX, Brown et al., 1992) and the Atlantic Climate Change Program (ACCP, Gordon et al., 1992). Both programs have similar objectives with somewhat different areas of interest. WESTRAX is interested in the western tropical Atlantic Ocean and the ACCP, for now, is interested in the subtropical gyre of the North Atlantic.

The primary objectives of both programs are to increase our understanding of the dynamics of the regional circulation and the role of ocean circulation in global climate, to develop the capability to monitor the climatically important processes, and to provide data needed in the development of the coupled ocean-atmosphere general circulation models to be used for global climate prediction. In particular, the mechanisms by which the ocean transports heat to balance the net radiation deficit at northerly latitudes are being studied.

During January, June, and September 1991, the WESTRAX cruises considered western boundary currents in the tropical Atlantic to study cross-equatorial transports of heat, mass, salt and momentum. Tracklines are shown in Figures 1-3. Additionally, during January and June 1991, the ACCP considered western boundary currents at 26.5°N in the subtropical Atlantic (Figure 2). In addition to CTD data, XBT data were taken along these transects. Herein, we describe CTD data reduction procedures and list the reduced data from these cruises.

II. DATA COLLECTION AND ANALYSIS

Data from WESTRAX/ACCP cruises conducted on the NOAA ship MALCOLM BALDRIGE during three cruises in 1991 are contained in this report. Table 1 shows the type of data collected on each cruise. Techniques used to reduce the CTD and XBT data to final form are shown below.

Table 1. Types of Data Collected by Cruise

Cruise	Vessel	Dates	CTD	XBT
January 1991 (MB-91-01-STACS)	MALCOLM BALDRIGE	1/08 - 2/06/91	35	111
June 1991 (MB-91-04-STACS)	MALCOLM BALDRIGE	6/12 - 7/05/91	49	189
September 1991 (MB-91-06-STACS)	MALCOLM BALDRIGE	9/08 - 9/23/91	25	7

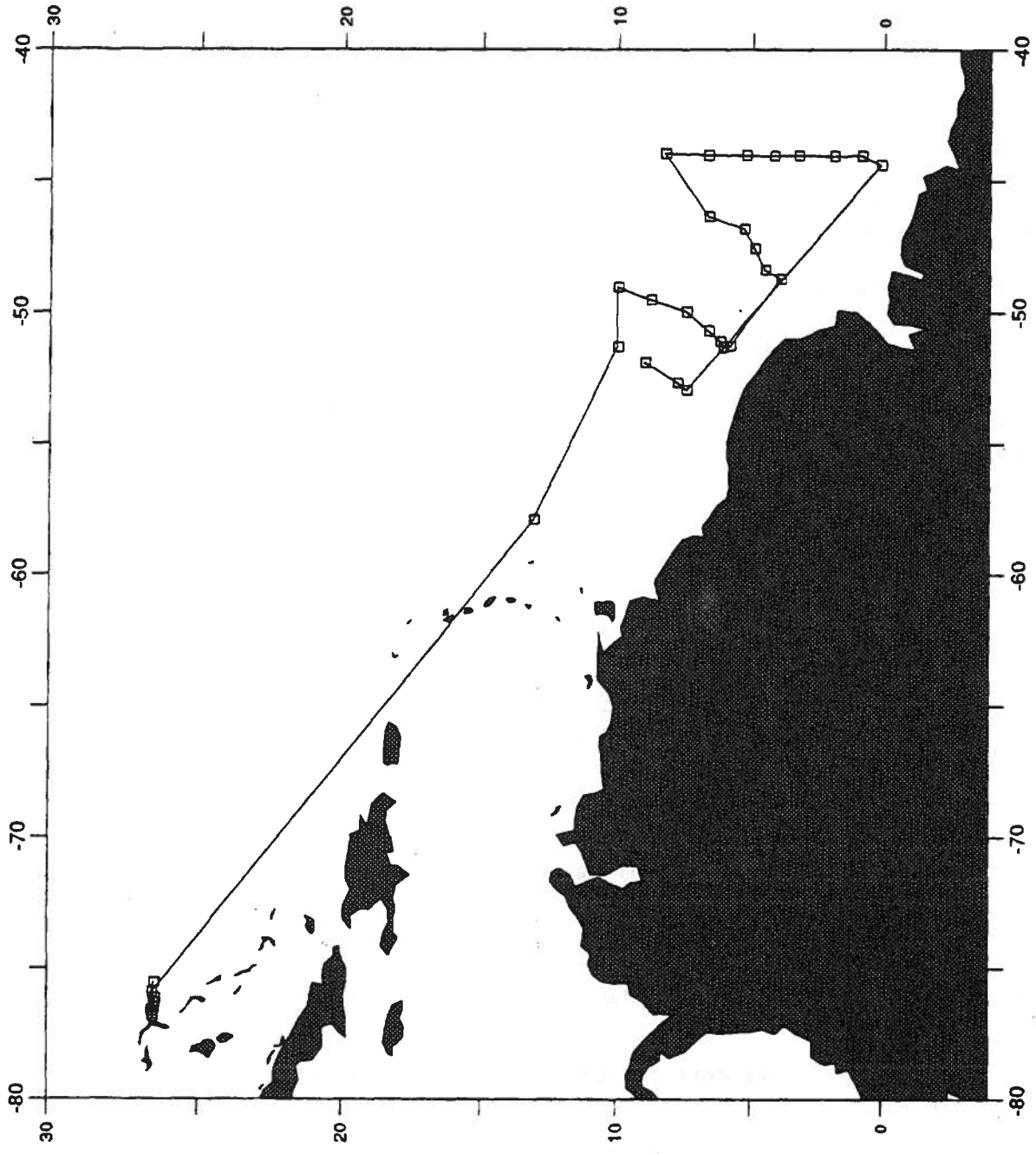

Figure 1. STACS cruise track for January 1991 showing CTD sampling stations.

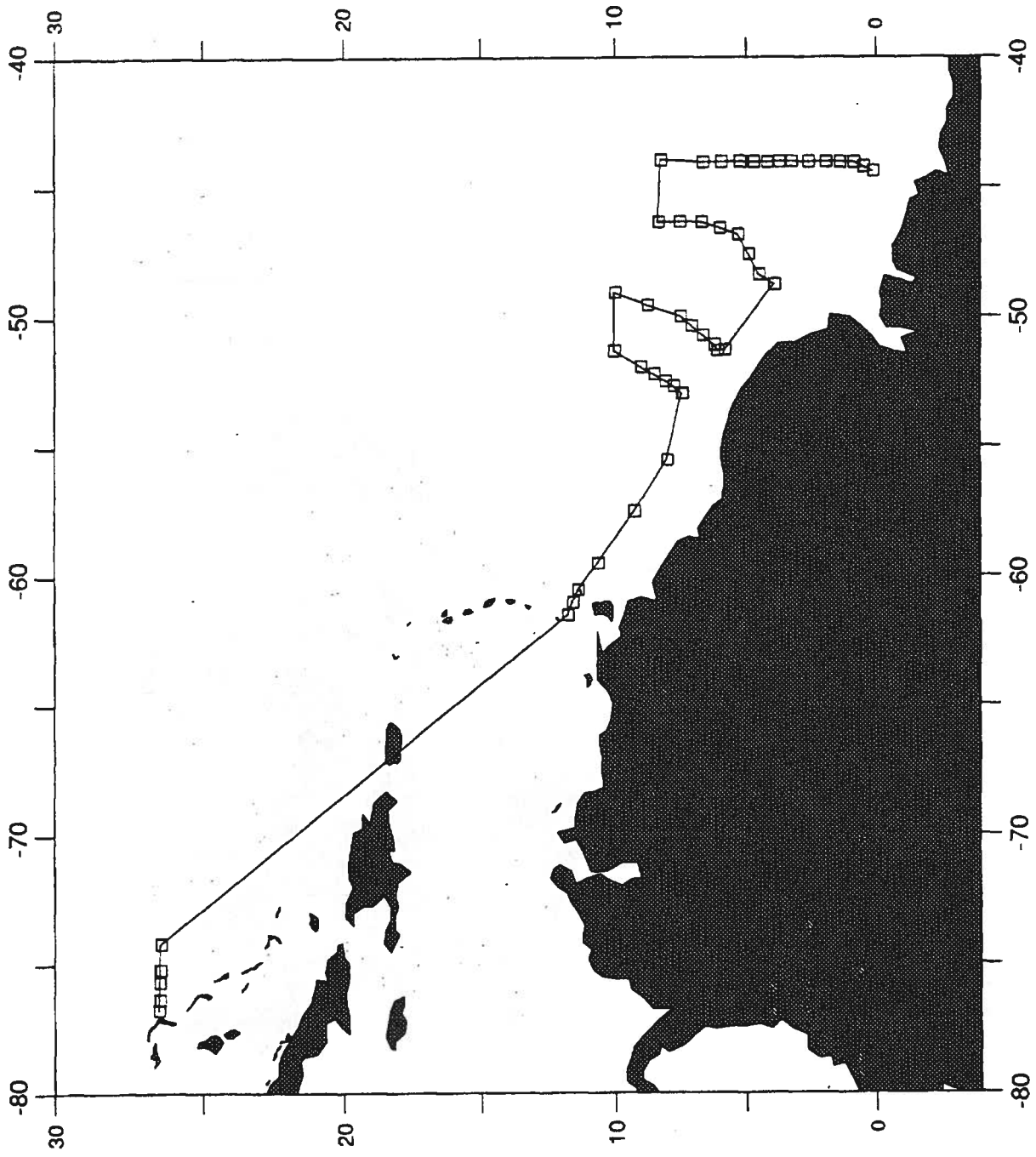

Figure 2. WESTRAX CTD stations for June 1991.

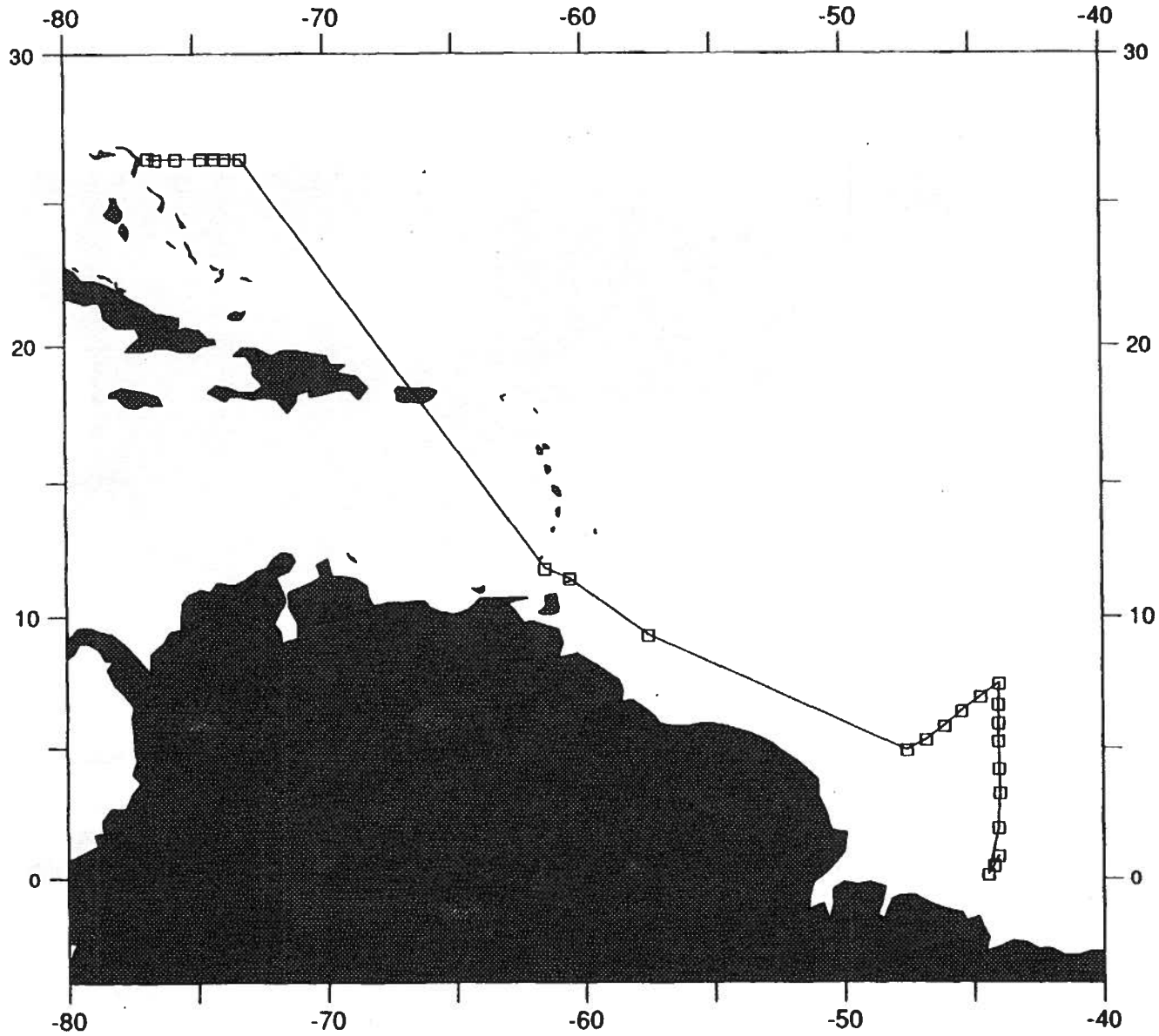

Figure 3. STACS/ACCP cruise track for September 1991 showing CTD sampling stations.

A. CTD Data

1. System Description

The Neil Brown Instrument Mark III CTD system used in WESTRAX and ACCP includes pressure, temperature, conductivity and oxygen sensors. The instrument scans at a rate of 30 scans per second. The descent rate is approximately 30 m per minute to a depth of 200 m then increases to 60 m per minute for the remainder of the cast. The CTD data are averaged in one decibar increments. Appendix A contains graphic representations of CTD profiles arranged by cruise and cast number. CTD values are listed at selected pressures. Because of problems with the CTD oxygen sensors, these data are not included in this report.

2. Calibration

Laboratory calibrations are used for the CTD pressure and temperature sensors. CTD pressures are assumed to be accurate to within ± 6.5 db and CTD temperatures to within ± .005°C. Bottle salinities are collected using a Rosette sampler lowered with the CTD, with the final values determined using a Guildline Autosal unit. Bottle salinity accuracies are on the order of ± .002 psu. The bottle salinities are used for calibration of the raw CTD data using the methodology described below.

a. The bottle salinities are editted for obvious bad values by graphical temperature-salinity comparisons with previous regional hydrographic studies (Wilburn et al., 1987a,b, 1988, 1989; Williams, 1986a,b) and by examination of the residual differences between bottle and CTD salinities.

b. The uncalibrated CTD salinity profiles are examined for conductivity sensor changes by examination of the time history of the residual differences between the editted bottle salinities and the CTD salinities, and divided into calibration subgroups if necessary. An iterative least squares regression is run on the residual (bottle minus CTD) salinity vs. pressure data for each subgroup, and linear or polynomial corrections are obtained over appropriate portions of the water column.

c. The uncalibrated CTD salinity profiles are corrected using the results of the regressions, and the temperature-salinity correlation of the calibrated CTD salinities is again compared with the bottle salinities and the historical data set as a final quality check. The calibrated CTD salinity and temperature data are despiked, and a final data set subsampled to 1 db spacing is produced.

Discussions of the bottle salinity quality and CTD performance for the individual cruises, and tabulation of the respective calibration corrections, follow.

January 1991:

The January 1991 cruise included 35 CTD casts. Casts 10-35 were taken in the western tropical North Atlantic, and casts 1-9 along 26.5°N east of Abaco, the Bahamas. The CTD performance was marginal again on this cruise, the last to use the faulty CTD instrument (Johns and Wilburn, 1993). The result was

erratic calibration changes, requiring cast-by-cast calibrations similar to the September 1990 cruise. Fortunately the bottle salinity data quality was high.

There was a depth dependence to the distribution of bottle salinity minus uncalibrated CTD salinity, with values at the surface approximately .016 psu fresher than found at 1000 db. Below 1000 db there was a constant offset between the bottle and uncalibrated CTD salinities. Figure 4 shows the time history of the bottle minus uncalibrated CTD salinity for pressure greater than 1000 db. The CTD conductivity drifted erratically within the range of .007 to .034. A polynomial fit was determined for the upper water column over the entire 34 casts, and matched at 1000 db to the time-varying correction in the deep water for each cast. The bottle minus CTD salinities were examined cast by cast vs pressure and vs potential temperature both graphically (not shown) and statistically, and confirmed the drift in the CTD conductivity sensor.

The polynomial correction and the constant corrections applied to the CTD below 1000 db are tabulated below:

P < 1000 db:

S = S - .016 + .289e-04*P - .157e-07*P*P + .266e-11*P*P*P

P > 1000 db:

Casts	Correction	Casts	Correction
1-2	.016	20	.018
3-4	.013	21	.017
5	.009	22	.024
6	.012	23	.014
7	.014	24	.017
8	.011	25	.024
9	.007	26	.017
10-11	.013	27	.018
12	.015	28	.033
13	.012	29	.025
14	.013	30	.021
15	.019	31	.026
16	.023	32	.033
17	.030	33	.014
18	.031	34	.025
19	.020	35	.034

Figure 5 shows the bottle salinity minus the final calibrated CTD salinity vs. pressure. The upcast bottle values were matched with the downcast CTD data by potential temperature, not pressure, to eliminate noise produced by internal waves, etc. These residuals were then plotted vs the pressure at which each bottle was tripped. For the 35 CTD casts, there were a total of 252 bottle values and the standard deviation of the calibrated CTD data minus the bottle salinities was ± .003 psu.

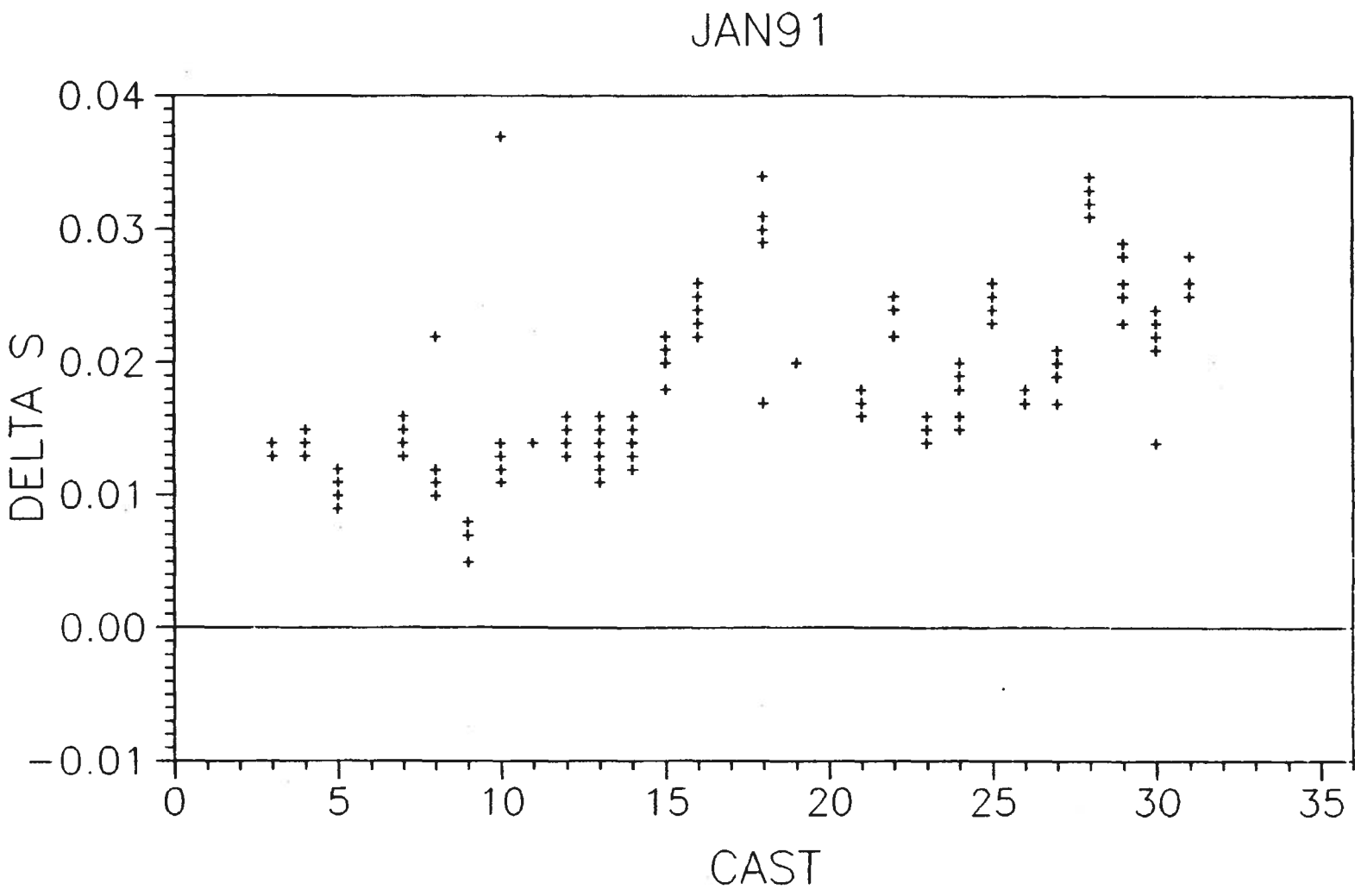

Figure 4. Time history of bottle minus uncalibrated CTD salinity vs. cast number for the January 1991 cruise.

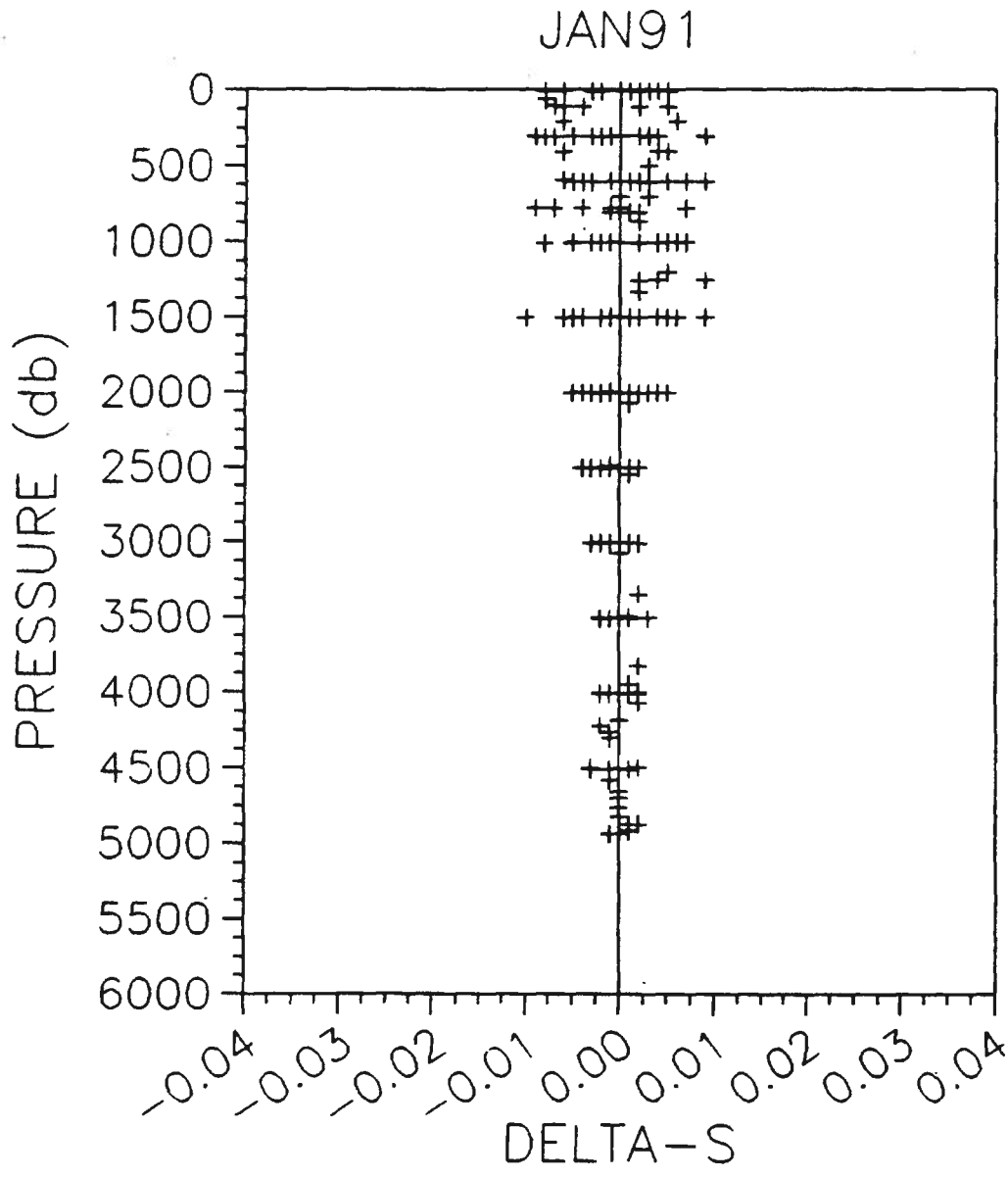

Figure 5. Bottle salinity minus calibrated CTD salinity vs. pressure for the January 1991 cruise.

June 1991:

The June 1991 cruise included 49 CTD casts. Casts 1-6 were taken along 26.5°N east of Abaco, the Bahamas, and the rest between Barbados and the equator off northern Brazil.

A different CTD instrument was used during this cruise than the previous 1990 and 1991 cruises, and the CTD performance was dramatically improved. Unfortunately, problems were experienced with faulty CTD wire, and several thousand meters had to be cut off, causing the remaining CTD casts to be limited to a depth of 4500 m. Autosal problems at the beginning of the cruise required the first 6 casts to be calibrated using the regional historical temperature-salinity correlation in the deep water.

There was no depth dependence to the distribution of bottle salinity minus uncalibrated CTD salinity. In addition, the CTD performance improved to the point that all 49 casts fell within ± .003 of zero; i.e., even without using a post-cruise calibration the CTD was very accurate.

Figure 6 shows the time history of the bottle minus uncalibrated CTD salinity for pressure greater than 1000 db. The CTD salinity was observed to drift slowly within the range of .003 to -.003 psu, and stabilize to -.001 to -.002 for casts 21-49. The bottle minus CTD salinity were examined cast by cast vs. pressure and vs. potential temperature both graphically (not shown) and statistically and confirmed the small drift in the CTD conductivity sensor.

The final salinity corrections used are shown below:

Casts	Correction Applied
1-6	.003
7-15	.000
16-18	-.002
19-20	-.003
21-22	-.002
23-24	-.001
25-33	-.002
34	-.001
35-40	-.002
41-46	-.001
47-49	-.002

Figure 7 shows the bottle salinity minus the final calibrated CTD salinity vs. pressure. The upcast bottle values were matched with the downcast CTD data by potential temperature. These residuals were then plotted vs. the pressure at which each bottle was tripped. For the 49 good CTD casts, there were a total of 229 bottle values and the standard deviation of the calibrated CTD data minus the bottle salinities was ± .002 psu.

September 1991:

The September 1991 cruise included 25 CTD casts. Casts 19-25 were taken along 26.5°N east of Abaco, the Bahamas, and 1-18 were taken between Barbados and the equator off northern Brazil.

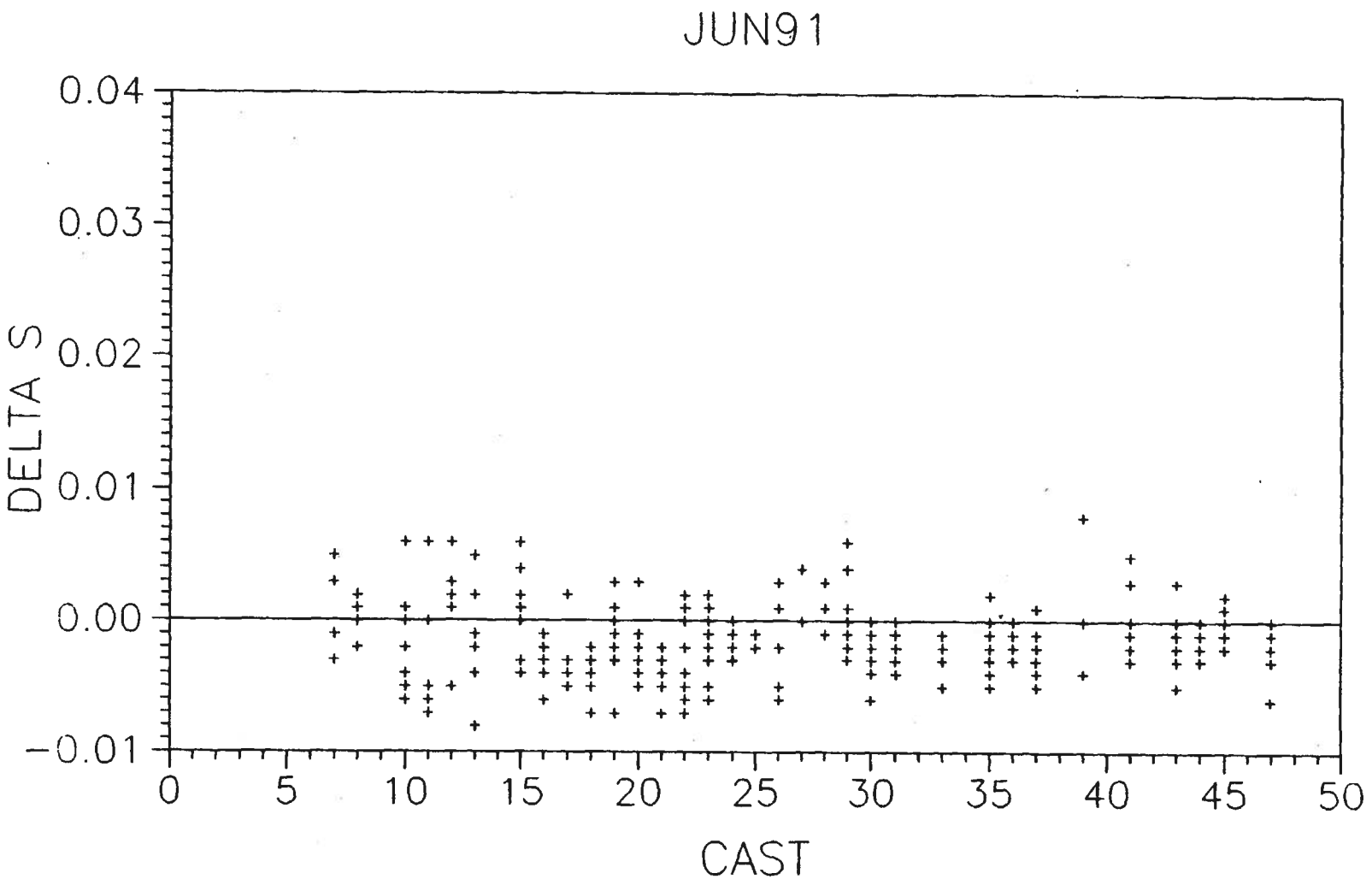

Figure 6. Time history of bottle minus uncalibrated CTD salinity vs. cast number for the June 1991 cruise.

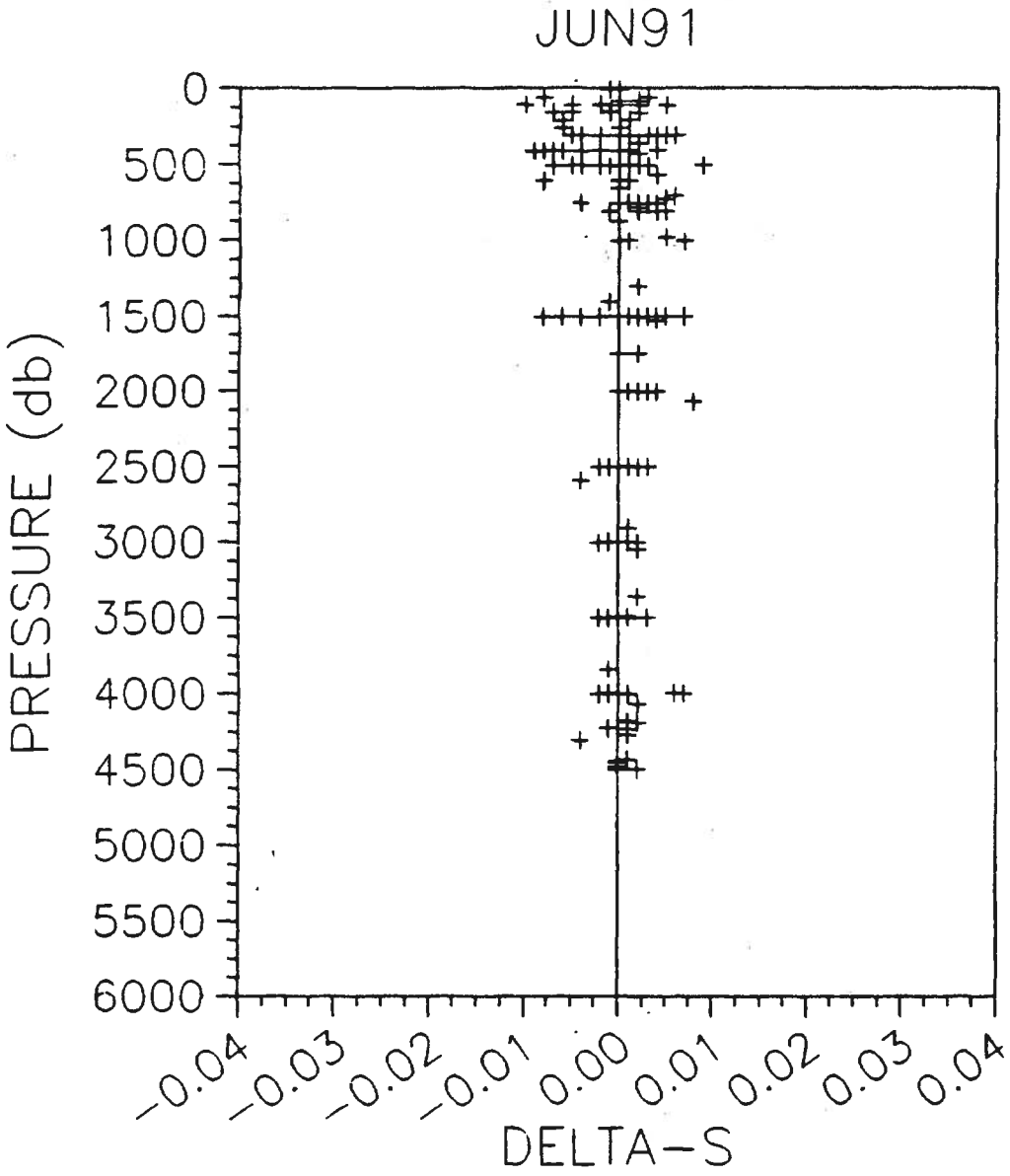

Figure 7. Bottle salinity minus calibrated CTD salinity vs. pressure for the June 1991 cruise.

The CTD performance continued to be good, similarly to the June 1991 cruise. The uncalibrated CTD salinities agreed with the bottle salinities within a -.002 to .001 psu range. There was no depth dependence to the calibration. Figure 8 shows the time history of the bottle minus uncalibrated CTD salinity for pressure greater than 1000 db.

The constant corrections applied to the CTD are tabulated below:

Casts	Correction
1-3	.000
4-6	-.001
7-8	.001
9	-.001
10-18	.000
19-20	-.001
21-25	-.002

Figure 9 shows the bottle salinity minus the final calibrated CTD salinity vs. pressure. These residuals were then plotted vs the pressure at which each bottle was tripped. For the 25 CTD casts, there were a total of 174 bottle values and the standard deviation of the calibrated CTD data minus the bottle salinities was ± .002 psu.

B. XBT Data

Appendix B presents XBT data by cruise and cast number.

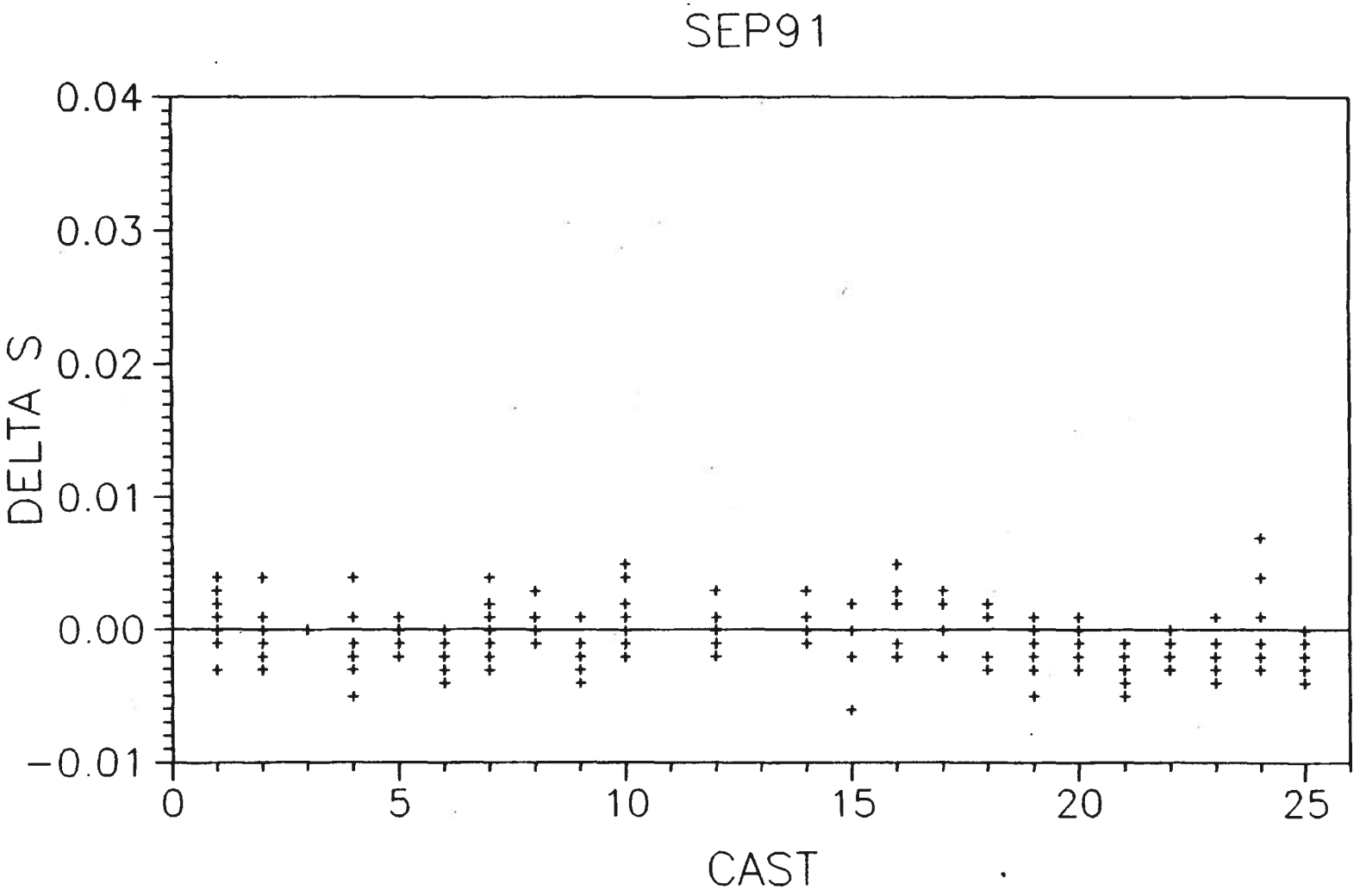

Figure 8. Time history of bottle minus uncalibrated CTD salinity vs. cast number for the September 1991 cruise.

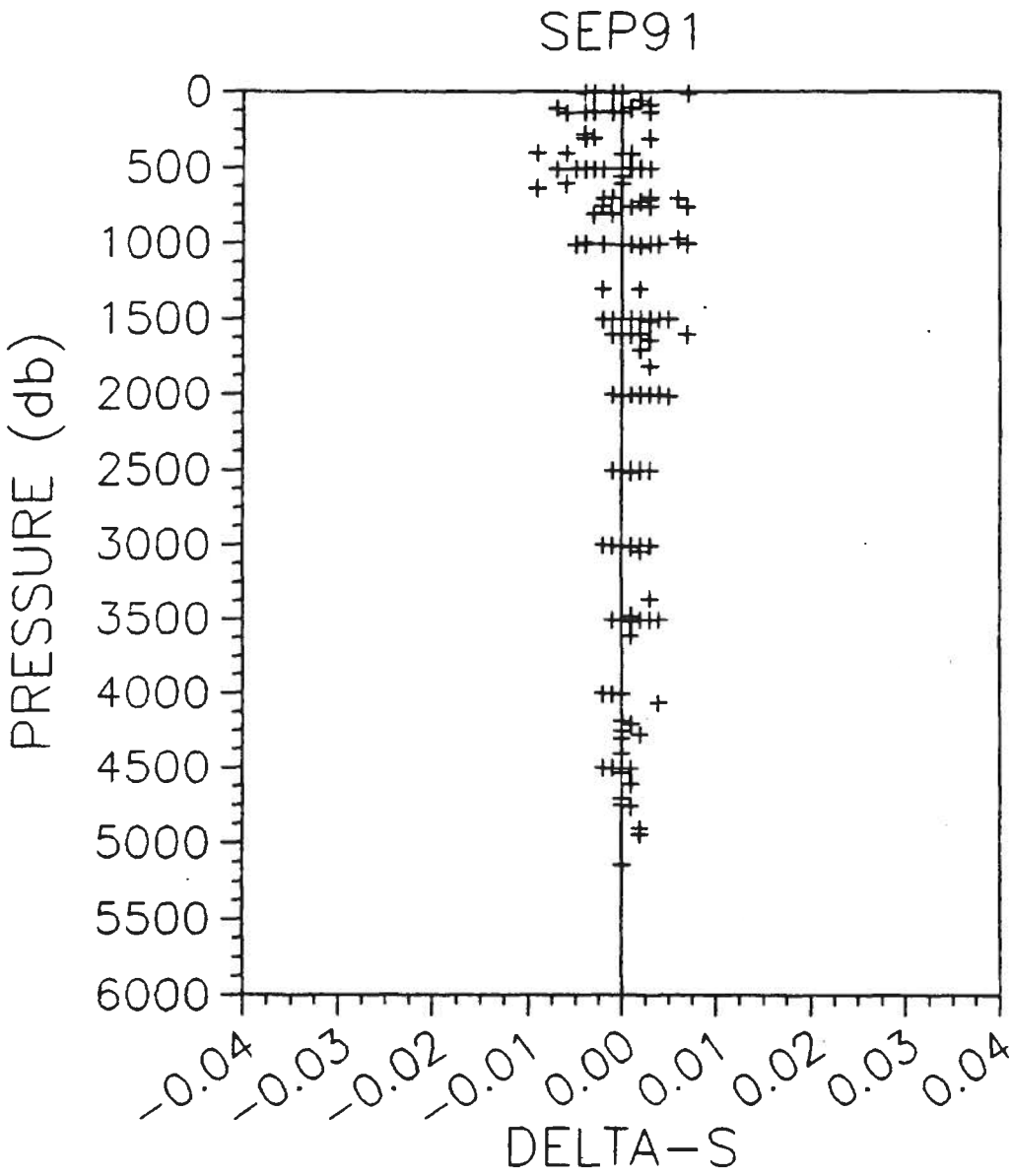

Figure 9. Bottle salinity minus calibrated CTD salinity vs. pressure for the September 1991 cruise.

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IV. ACKNOWLEDGMENTS

The extensive efforts of the officers and crew of the NOAA Ships MT MITCHELL and MALCOLM BALDRIGE are gratefully acknowledged. Contributions by scientific and technical personnel Bob Molinari, Mark Bushnell, Doug Anderson, Bob Roddy, Warren Krug, Mike Minton, and Dave Bitterman are greatly appreciated.

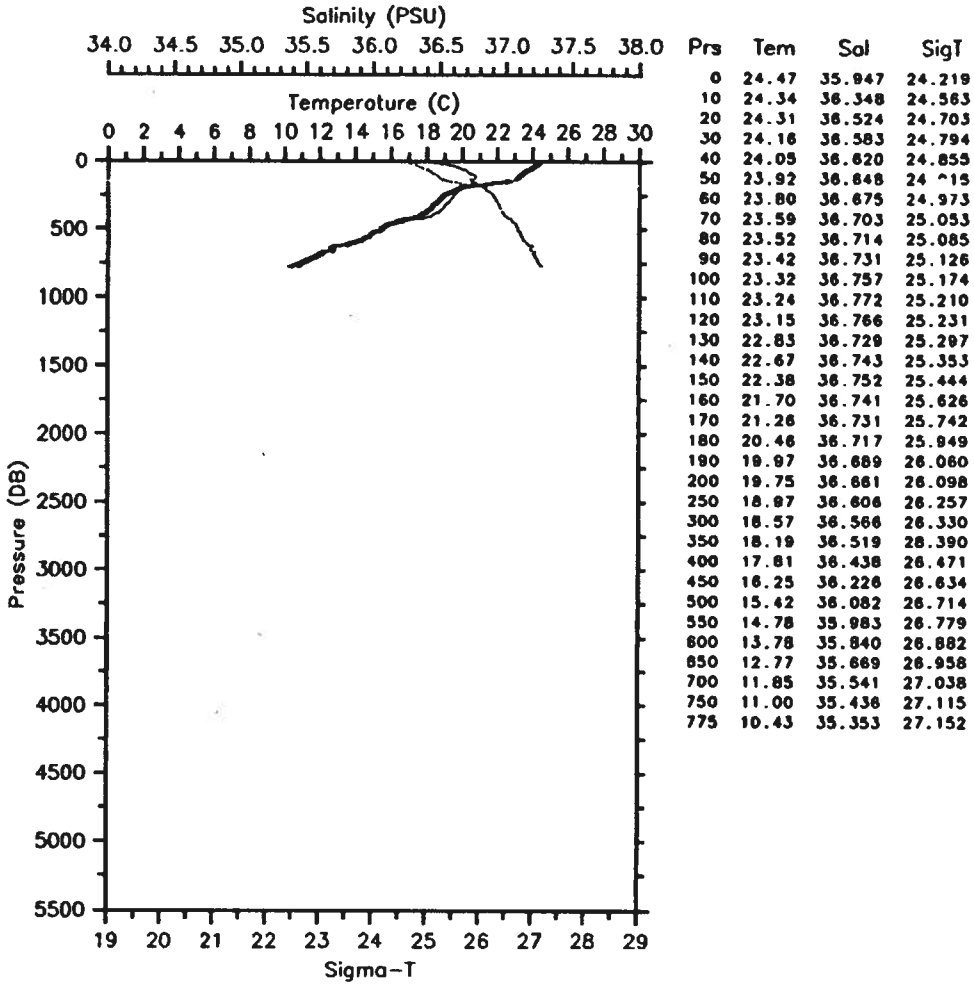
APPENDIX A: CTD DATA

Casts are presented by cruise and increasing cast number. Julian day and time, cruise number and vessel, and position are given at the top of each plot. Temperature, salinity, and sigma-t profiles are shown for each cast.

BAL-STACS38-91 CTD 2 BALDRIGE

Date 01 09 91 Latitude 26.511N

Time 1442 Z Longitude 76.856W

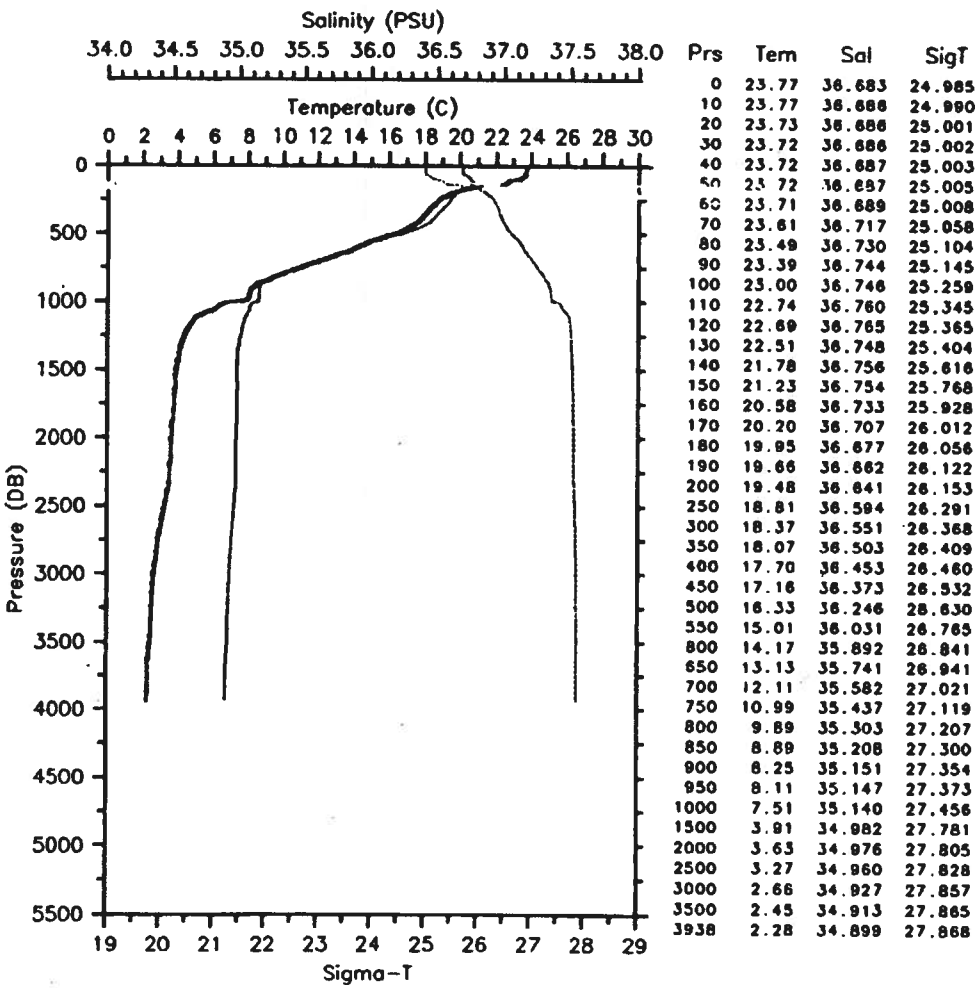


Prs	Tem	Sal	SigT
0	24.47	35.947	24.219
10	24.34	36.348	24.563
20	24.31	36.524	24.703
30	24.16	36.583	24.794
40	24.05	36.620	24.855
50	23.92	36.648	24.915
60	23.80	36.675	24.973
70	23.59	36.703	25.053
80	23.52	36.714	25.085
90	23.42	36.731	25.126
100	23.32	36.757	25.174
110	23.24	36.772	25.210
120	23.15	36.766	25.231
130	22.83	36.729	25.297
140	22.67	36.743	25.353
150	22.38	36.752	25.444
160	21.70	36.741	25.626
170	21.26	36.731	25.742
180	20.46	36.717	25.949
190	19.97	36.689	26.060
200	19.75	36.661	26.098
250	18.87	36.606	26.257
300	18.57	36.566	26.330
350	18.19	36.519	26.390
400	17.81	36.438	26.471
450	16.25	36.226	26.634
500	15.42	36.082	26.714
550	14.78	35.983	26.779
600	13.78	35.840	26.882
650	12.77	35.669	26.958
700	11.85	35.541	27.038
750	11.00	35.436	27.115
775	10.43	35.353	27.152

BAL-STACS38-91 CTD 3 BALDRIGE

Date 01 09 91 Latitude 26.511N

Time 1706 Z Longitude 76.759W

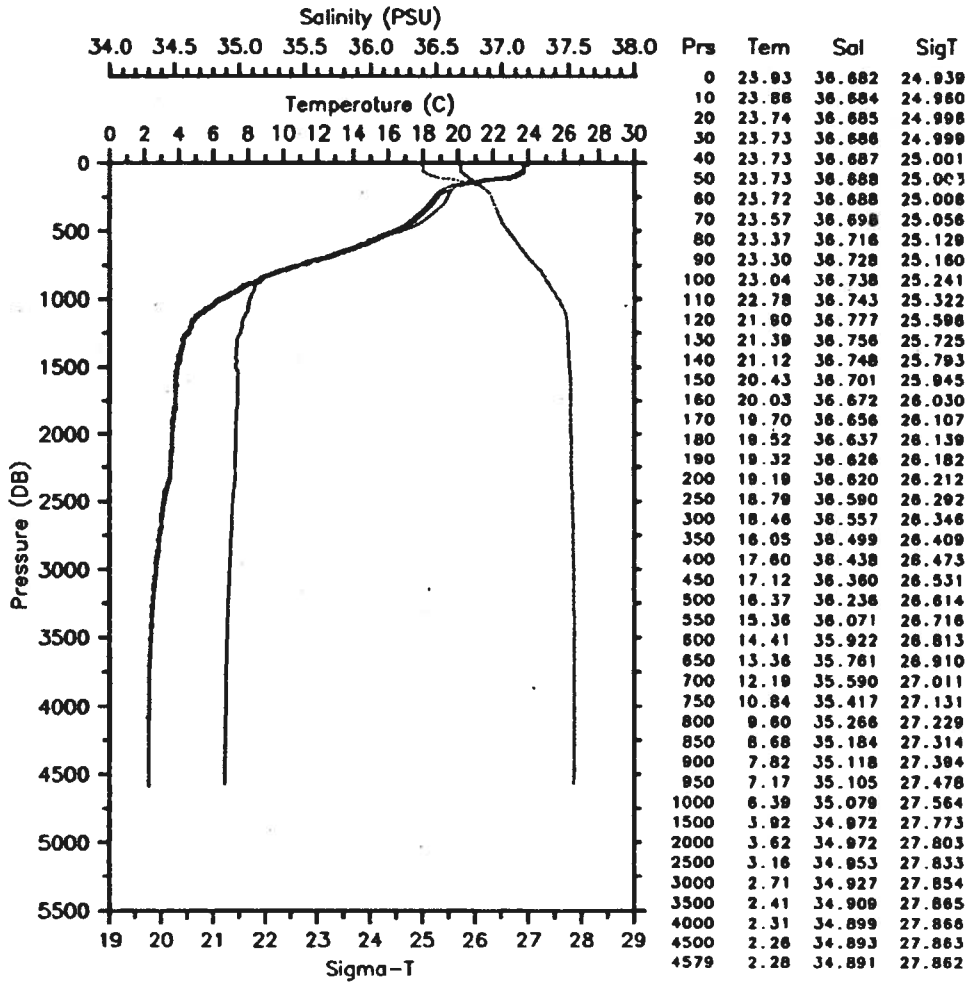


Prs	Tem	Sal	SigT
0	23.77	36.683	24.985
10	23.77	36.688	24.990
20	23.73	36.686	25.001
30	23.72	36.686	25.002
40	23.72	36.687	25.003
50	23.72	36.687	25.005
60	23.71	36.689	25.008
70	23.61	36.717	25.058
80	23.49	36.730	25.104
90	23.39	36.744	25.145
100	23.00	36.746	25.259
110	22.74	36.760	25.345
120	22.69	36.765	25.365
130	22.51	36.748	25.404
140	21.78	36.756	25.616
150	21.23	36.754	25.768
160	20.58	36.733	25.928
170	20.20	36.707	26.012
180	19.95	36.677	26.056
190	19.66	36.662	26.122
200	19.48	36.641	26.153
250	18.81	36.594	26.291
300	18.37	36.551	26.368
350	18.07	36.503	26.409
400	17.70	36.453	26.460
450	17.16	36.373	26.532
500	16.33	36.246	26.630
550	15.01	36.031	26.765
600	14.17	35.892	26.841
650	13.13	35.741	26.941
700	12.11	35.582	27.021
750	10.99	35.437	27.119
800	9.89	35.303	27.207
850	8.89	35.208	27.300
900	8.25	35.151	27.354
950	8.11	35.147	27.373
1000	7.51	35.140	27.456
1500	3.81	34.982	27.781
2000	3.63	34.976	27.805
2500	3.27	34.960	27.828
3000	2.66	34.927	27.857
3500	2.45	34.913	27.865
3938	2.28	34.899	27.868

BAL-STACS38-91 CTD 4 BALDRIGE

Date 01 09 91 Latitude 26.559N

Time 2126 Z Longitude 76.631W

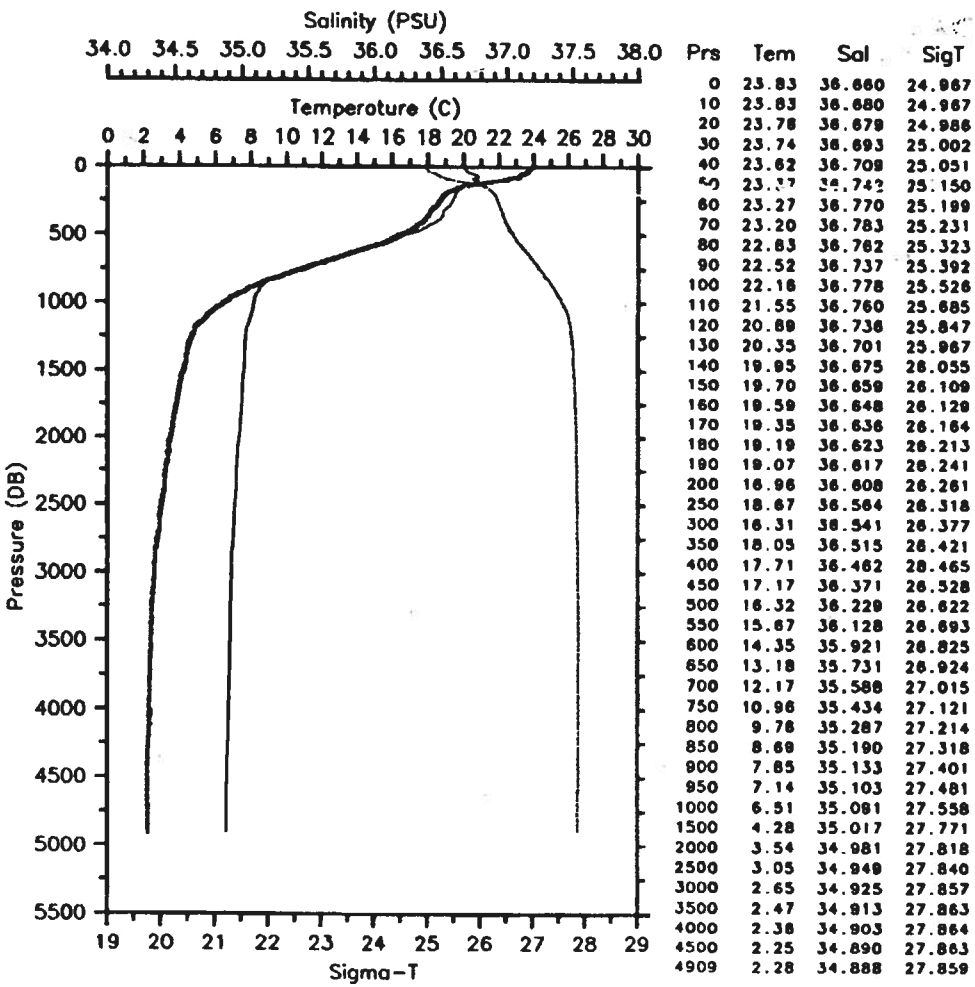


Prs	Tem	Sal	SigT
0	23.93	36.682	24.939
10	23.86	36.684	24.960
20	23.74	36.685	24.998
30	23.73	36.686	24.999
40	23.73	36.687	25.001
50	23.73	36.688	25.003
60	23.72	36.688	25.006
70	23.57	36.698	25.056
80	23.37	36.716	25.129
90	23.30	36.728	25.160
100	23.04	36.738	25.241
110	22.78	36.743	25.322
120	21.90	36.777	25.596
130	21.39	36.756	25.725
140	21.12	36.748	25.793
150	20.43	36.701	25.945
160	20.03	36.672	26.030
170	19.70	36.656	26.107
180	19.52	36.637	26.139
190	19.32	36.626	26.182
200	19.19	36.620	26.212
250	18.79	36.590	26.292
300	18.46	36.557	26.346
350	16.05	36.499	26.409
400	17.60	36.438	26.473
450	17.12	36.360	26.531
500	16.37	36.236	26.614
550	15.36	36.071	26.716
600	14.41	35.922	26.813
650	13.36	35.781	26.910
700	12.19	35.590	27.011
750	10.84	35.417	27.131
800	9.60	35.266	27.229
850	8.68	35.184	27.314
900	7.82	35.118	27.384
950	7.17	35.105	27.478
1000	6.39	35.079	27.564
1500	3.92	34.972	27.773
2000	3.62	34.972	27.803
2500	3.16	34.953	27.833
3000	2.71	34.927	27.854
3500	2.41	34.909	27.865
4000	2.31	34.899	27.868
4500	2.26	34.893	27.863
4579	2.28	34.891	27.862

BAL-STACS38-91 CTD 5 BALDRIGE

Date 01 10 91 Latitude 26.469N

Time 0203 Z Longitude 76.528W

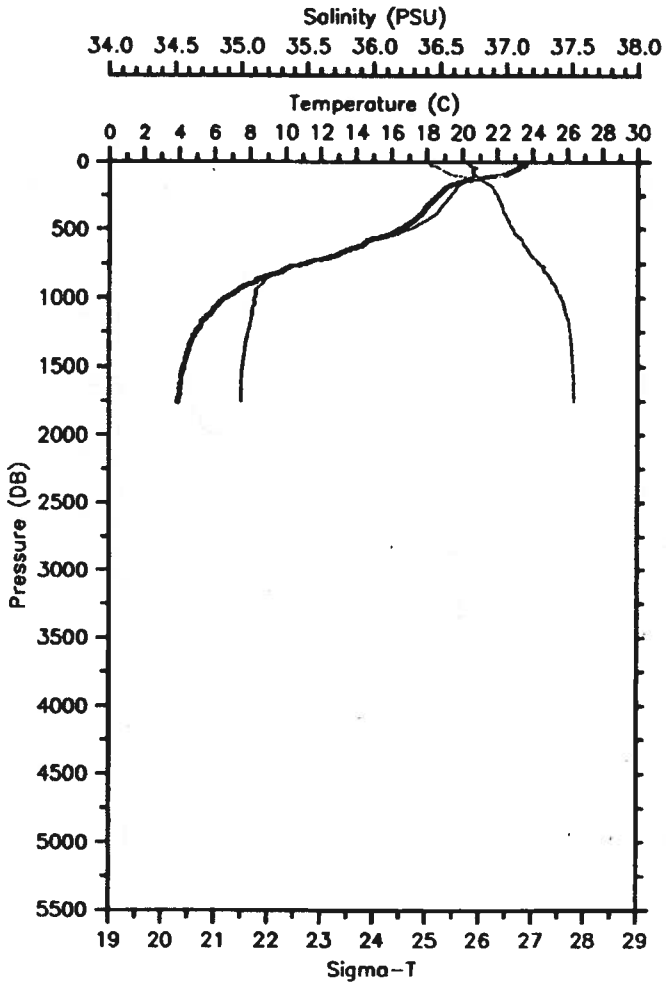


Prs	Tem	Sal	SigT
0	23.83	36.660	24.967
10	23.83	36.680	24.967
20	23.78	36.679	24.986
30	23.74	36.693	25.002
40	23.62	36.709	25.051
50	23.37	36.742	25.150
60	23.27	36.770	25.199
70	23.20	36.783	25.231
80	22.83	36.782	25.323
90	22.52	36.737	25.392
100	22.18	36.778	25.526
110	21.55	36.760	25.685
120	20.89	36.736	25.847
130	20.35	36.701	25.967
140	19.95	36.675	26.055
150	19.70	36.659	26.109
160	19.59	36.648	26.129
170	19.35	36.636	26.164
180	19.19	36.623	26.213
190	19.07	36.617	26.241
200	18.96	36.608	26.261
250	18.67	36.564	26.318
300	16.31	36.541	26.377
350	18.05	36.515	26.421
400	17.71	36.482	26.465
450	17.17	36.371	26.528
500	16.32	36.229	26.622
550	15.87	36.128	26.693
600	14.35	35.921	26.825
650	13.18	35.731	26.924
700	12.17	35.588	27.015
750	10.96	35.434	27.121
800	9.78	35.287	27.214
850	8.69	35.190	27.318
900	7.85	35.133	27.401
950	7.14	35.103	27.481
1000	6.51	35.081	27.558
1500	4.28	35.017	27.771
2000	3.54	34.981	27.818
2500	3.05	34.948	27.840
3000	2.65	34.925	27.857
3500	2.47	34.913	27.863
4000	2.38	34.903	27.864
4500	2.25	34.890	27.863
4909	2.28	34.888	27.859

BAL-STACS38-91 CTD 6 BALDRIGE

Date 01 10 91 Latitude 26.448N

Time 1007 Z Longitude 76.325W

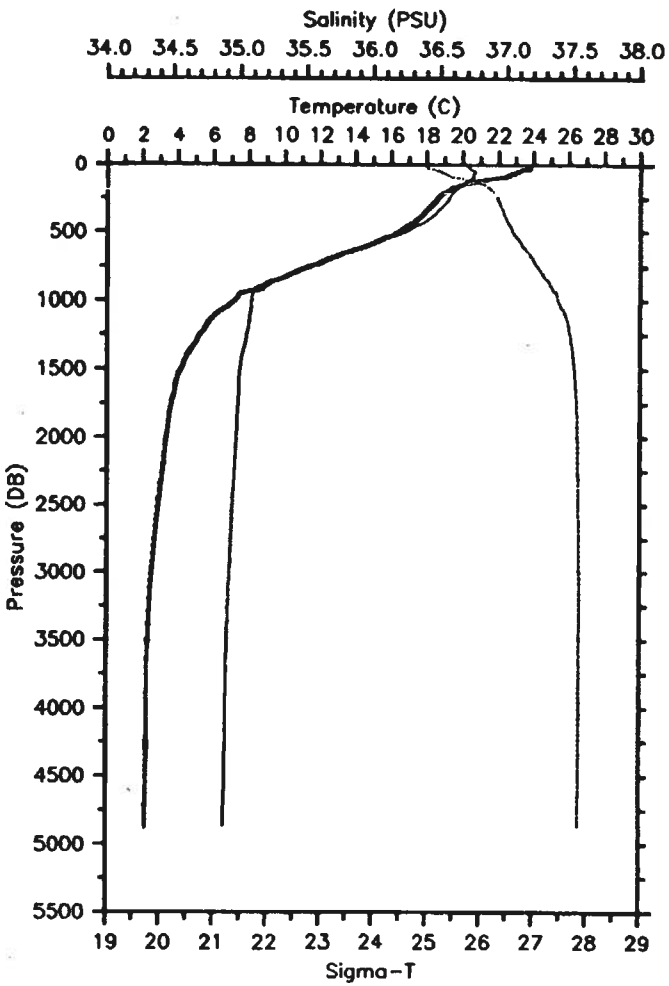


Prs	Tem	Sal	SigT
0	23.63	36.747	25.078
10	23.62	36.716	25.056
20	23.60	36.719	25.064
30	23.38	36.735	25.140
40	23.24	36.778	25.215
50	23.04	36.758	25.259
60	22.88	36.742	25.292
70	22.68	36.754	25.358
80	22.55	36.750	25.394
90	22.39	36.751	25.441
100	21.84	36.766	25.608
110	21.20	36.743	25.766
120	20.62	36.725	25.913
130	20.34	36.714	25.979
140	20.00	36.696	26.058
150	19.74	36.671	26.108
160	19.49	36.658	26.162
170	19.32	36.644	26.196
180	19.17	36.633	26.229
190	19.07	36.625	26.246
200	19.01	36.619	26.257
250	18.59	36.580	26.336
300	18.23	36.541	26.397
350	17.93	36.495	26.437
400	17.56	36.450	26.492
450	17.08	36.367	26.551
500	16.42	36.262	26.623
550	15.49	36.116	26.724
600	14.49	35.948	26.818
650	13.48	35.800	26.915
700	12.50	35.653	27.000
750	10.90	35.461	27.153
800	9.84	35.322	27.232
850	8.69	35.205	27.328
900	7.86	35.156	27.418
950	7.22	35.115	27.478
1000	6.61	35.098	27.550
1500	4.23	35.011	27.770
1754	3.91	34.998	27.794

BAL-STACS38-91 CTD 7 BALDRIGE

Date 01 10 91 Latitude 26.438N

Time 2016 Z Longitude 76.133W

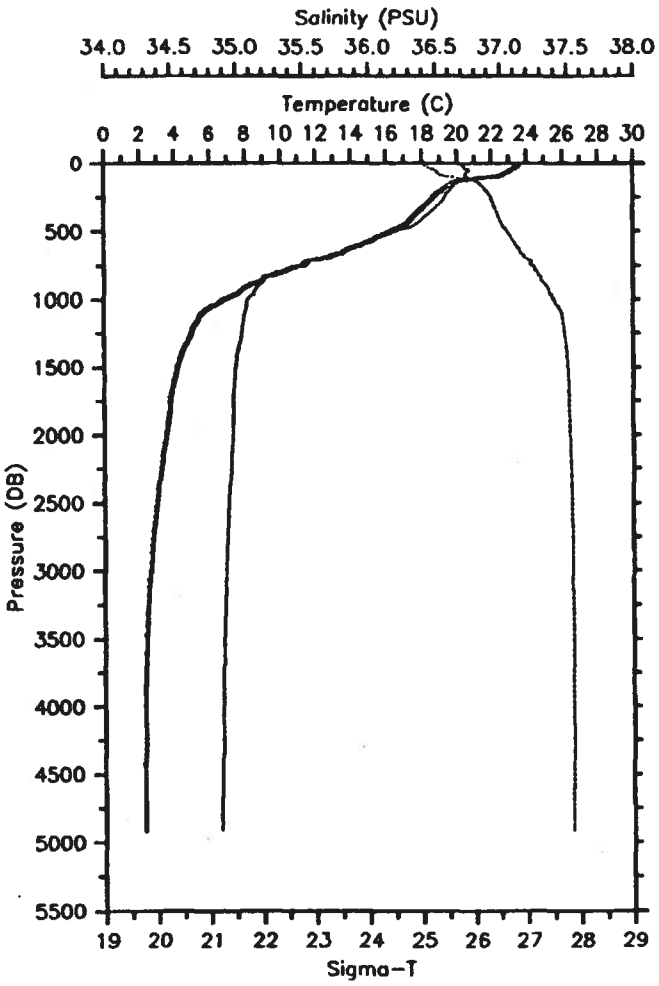


Prs	Tem	Sal	SigT
0	23.76	36.540	24.881
10	23.82	36.707	24.989
20	23.81	36.714	24.997
30	23.68	36.715	25.042
40	23.25	36.738	25.182
50	23.05	36.750	25.255
60	22.86	36.764	25.313
70	22.68	36.741	25.349
80	22.48	36.747	25.410
90	22.30	36.745	25.461
100	21.56	36.730	25.658
110	21.16	36.715	25.758
120	20.77	36.689	25.844
130	20.50	36.691	25.921
140	20.22	36.685	25.989
150	19.84	36.669	26.079
160	19.68	36.657	26.118
170	19.41	36.635	26.165
180	19.36	36.627	26.174
190	19.20	36.618	26.209
200	19.03	36.605	26.243
250	18.62	36.569	26.319
300	18.30	36.531	26.371
350	17.93	36.478	26.423
400	17.53	36.424	26.479
450	16.96	36.337	26.551
500	16.43	36.245	26.607
550	15.50	36.096	26.706
600	14.58	35.949	26.796
650	13.35	35.766	26.916
700	12.38	35.624	27.000
750	11.43	35.486	27.076
800	10.44	35.375	27.169
850	9.47	35.295	27.274
900	8.57	35.192	27.338
950	7.47	35.097	27.430
1000	7.21	35.085	27.457
1500	4.18	34.996	27.765
2000	3.35	34.967	27.825
2500	2.92	34.942	27.846
3000	2.55	34.921	27.863
3500	2.33	34.905	27.869
4000	2.28	34.896	27.868
4500	2.25	34.891	27.864
4869	2.22	34.880	27.858

BAL-STACS38-91 CTD 8 BALDRIGE

Date 01 10 91 Latitude 26.486N

Time 2359 Z Longitude 76.325W

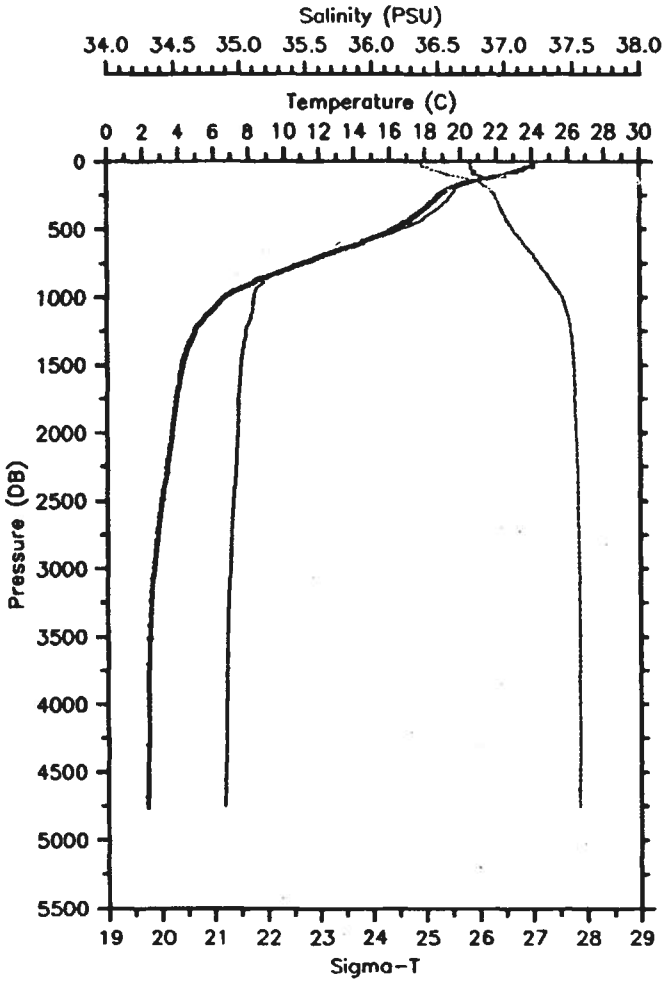


Prs	Tem	Sal	SigT
0	25.60	36.598	24.971
10	23.81	36.706	25.052
20	23.52	36.714	25.083
30	23.39	36.730	25.134
40	23.20	36.736	25.194
50	23.08	36.769	25.254
60	22.98	36.782	25.279
70	22.82	36.740	25.307
80	22.67	36.732	25.345
90	22.54	36.740	25.390
100	22.02	36.744	25.540
110	21.11	36.723	25.777
120	20.59	36.709	25.909
130	20.13	36.690	26.018
140	19.81	36.669	26.088
150	19.73	36.660	26.101
160	19.57	36.651	26.136
170	19.42	36.642	26.168
180	19.31	36.631	26.189
190	19.21	36.625	26.210
200	19.13	36.619	26.228
250	18.62	36.571	26.322
300	18.27	36.532	26.378
350	17.89	36.480	26.435
400	17.48	36.420	26.489
450	17.05	36.355	26.543
500	16.19	36.219	26.641
550	15.37	36.073	26.718
600	14.54	35.948	26.804
650	13.60	35.796	26.887
700	12.26	35.627	27.028
750	11.15	35.480	27.123
800	9.93	35.308	27.205
850	9.06	35.204	27.269
900	8.14	35.176	27.391
950	7.66	35.134	27.429
1000	6.81	35.090	27.516
1500	4.18	35.000	27.766
2000	3.57	34.980	27.814
2500	2.99	34.947	27.844
3000	2.62	34.924	27.859
3500	2.36	34.907	27.868
4000	2.28	34.899	27.868
4500	2.26	34.891	27.864
4913	2.25	34.884	27.859

BAL-STACS38-91 CTD 9 BALDRIGE

Date 01 11 91 Latitude 26.464N

Time 0816 Z Longitude 75.537W

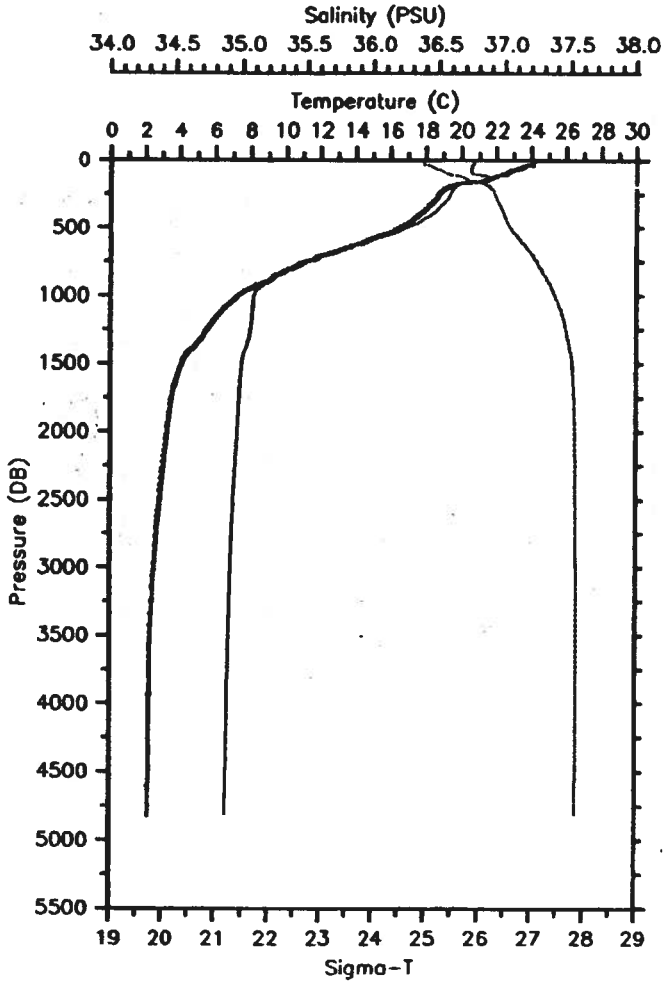


Prs	Tem	Sal	SigT
0	24.09	36.739	24.935
10	24.09	36.741	24.935
20	24.09	36.741	24.935
30	24.09	36.742	24.936
40	23.89	36.755	25.004
50	23.55	36.775	25.090
60	23.45	36.749	25.130
70	23.21	36.772	25.218
80	22.93	36.769	25.297
90	22.62	36.749	25.371
100	22.48	36.786	25.440
110	21.93	36.806	25.611
120	21.58	36.855	25.747
130	21.15	36.827	25.845
140	20.78	36.812	25.936
150	20.47	36.778	25.994
160	20.20	36.740	26.038
170	19.95	36.708	26.079
180	19.70	36.673	26.120
190	19.49	36.659	26.164
200	19.29	36.640	26.202
250	18.77	36.595	26.300
300	18.37	36.553	26.371
350	17.92	36.492	26.435
400	17.41	36.424	26.510
450	16.87	36.344	26.579
500	16.17	36.224	26.651
550	15.27	36.083	26.749
600	14.48	35.941	26.818
650	13.14	35.745	26.942
700	12.01	35.586	27.043
750	11.02	35.448	27.122
800	10.01	35.325	27.205
850	8.87	35.225	27.316
900	8.09	35.172	27.396
950	7.24	35.127	27.484
1000	6.62	35.106	27.555
1500	4.26	35.008	27.765
2000	3.65	34.985	27.811
2500	3.07	34.954	27.842
3000	2.61	34.925	27.860
3500	2.33	34.907	27.870
4000	2.27	34.898	27.867
4500	2.24	34.890	27.864
4757	2.20	34.879	27.859

BAL-STACS38-91 CTD 10 BALDRIGE

Date 01 11 91 Latitude 26.530N

Time 1633 Z Longitude 75.921W

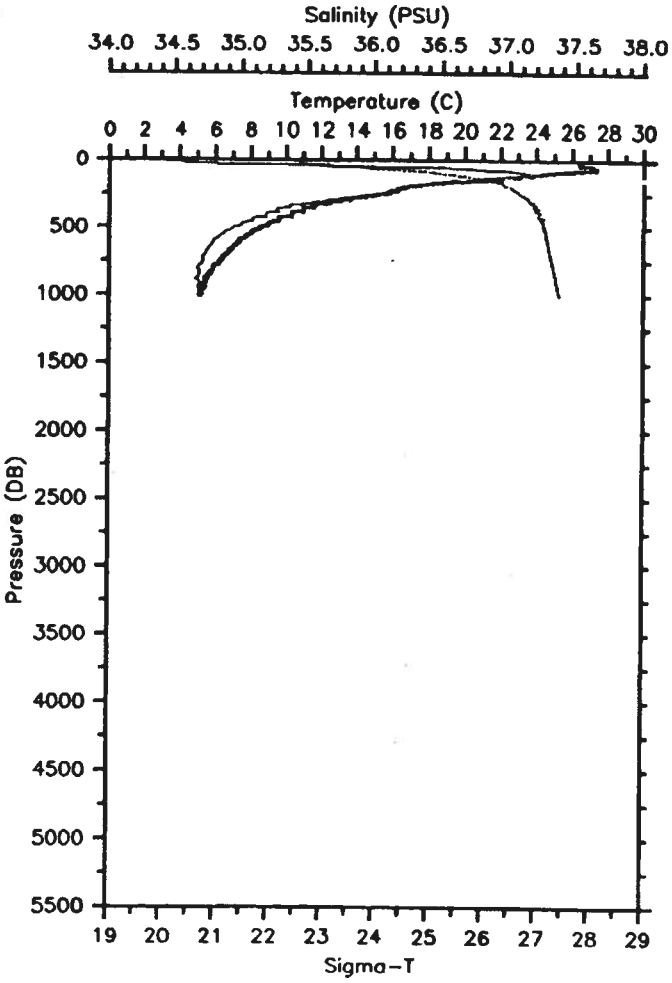


Prs	Tem	Sal	SigT
0	24.10	36.765	24.949
10	24.09	36.761	24.950
20	24.09	36.761	24.949
30	24.07	36.761	24.955
40	23.57	36.742	25.089
50	23.48	36.739	25.120
60	23.23	36.746	25.193
70	22.90	36.733	25.279
80	22.74	36.738	25.330
90	22.67	36.744	25.355
100	22.44	36.748	25.424
110	22.10	36.832	25.584
120	21.87	36.877	25.684
130	21.63	36.872	25.746
140	21.46	36.864	25.787
150	21.15	36.849	25.862
160	20.60	36.771	25.954
170	19.94	36.673	26.056
180	19.56	36.645	26.136
190	19.32	36.627	26.183
200	19.18	36.623	26.216
250	18.76	36.586	26.297
300	18.44	36.554	26.354
350	18.03	36.499	26.414
400	17.61	36.441	26.474
450	17.14	36.363	26.528
500	16.48	36.254	26.602
550	15.52	36.126	26.723
600	14.54	35.947	26.805
650	13.36	35.767	26.914
700	12.17	35.608	27.030
750	11.16	35.470	27.112
800	10.33	35.358	27.175
850	9.38	35.251	27.253
900	8.79	35.215	27.321
950	7.84	35.129	27.399
1000	7.24	35.089	27.455
1500	4.09	34.995	27.772
2000	3.27	34.964	27.831
2500	2.87	34.940	27.850
3000	2.53	34.920	27.864
3500	2.31	34.904	27.870
4000	2.28	34.897	27.868
4500	2.23	34.889	27.864
4817	2.21	34.881	27.859

BAL-STACS38-91 CTD 11 BALDRIGE

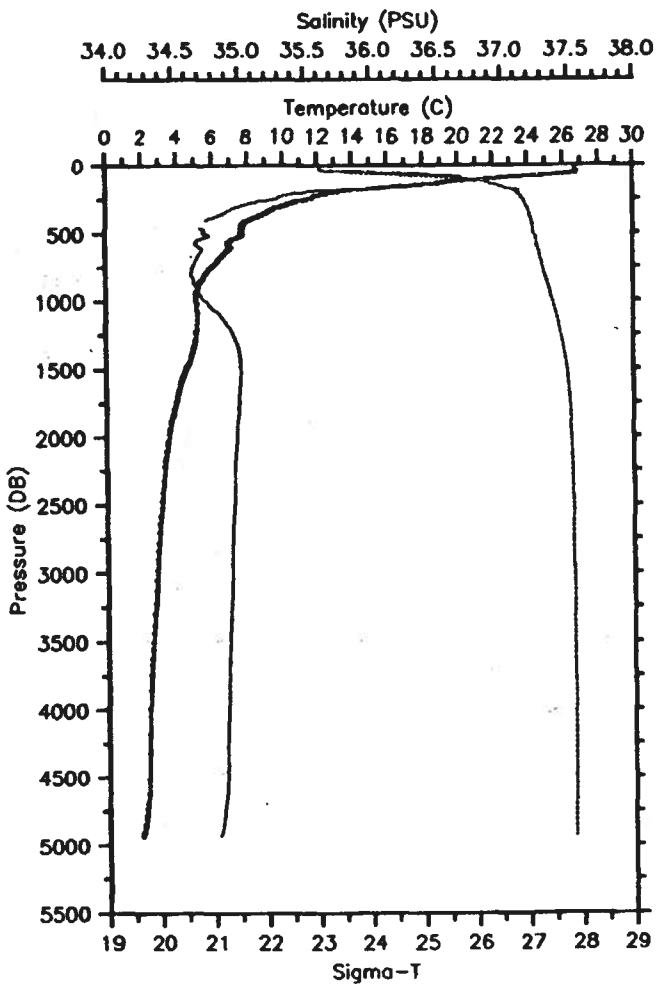
Date 01 16 91 Latitude 13.080N

Time 0344 Z Longitude 57.887W



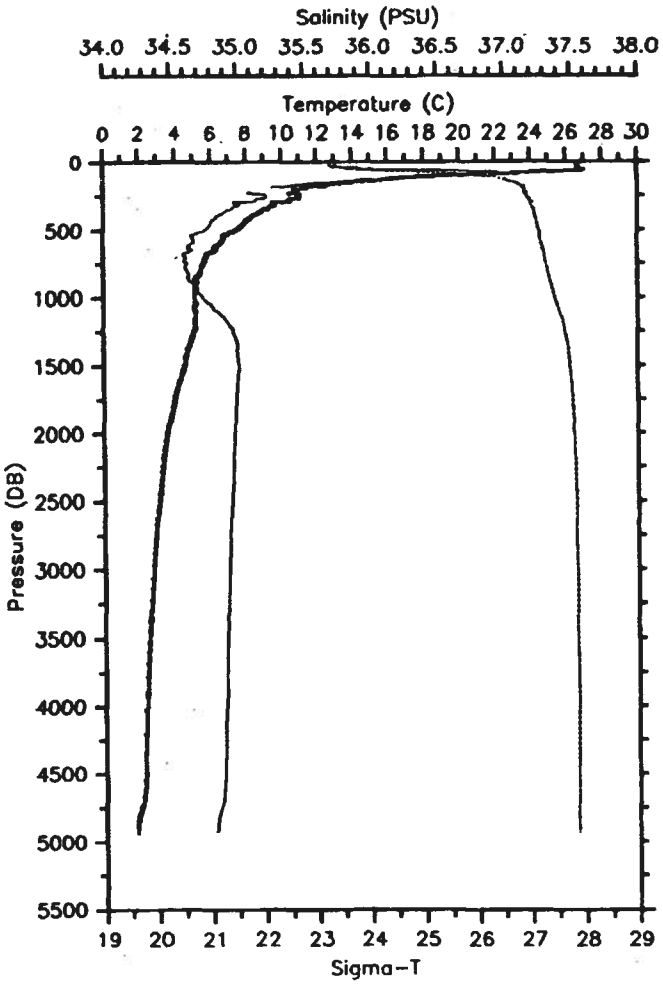
Prs	Tem	Sal	SigT
0	28.34	34.277	22.384
10	28.35	34.485	22.538
20	28.34	34.564	22.599
30	28.45	34.734	22.693
40	27.07	35.568	23.128
50	27.17	35.843	23.301
60	27.31	36.709	23.908
70	26.59	36.838	24.237
80	25.42	37.037	24.755
90	24.49	37.133	25.113
100	23.99	37.192	25.307
110	23.15	37.199	25.559
120	22.43	37.142	25.726
130	21.45	37.037	25.922
140	20.87	36.956	26.020
150	20.09	36.845	26.148
160	18.82	36.603	26.294
170	18.21	36.473	26.349
180	17.55	36.358	26.426
190	16.94	36.288	26.519
200	16.64	36.212	26.532
250	15.49	36.096	26.708
300	13.08	35.831	26.868
350	11.54	35.355	26.953
400	10.35	35.181	27.034
450	9.62	35.082	27.080
500	8.59	34.946	27.142
550	7.95	34.881	27.172
600	7.39	34.785	27.195
650	7.02	34.756	27.224
700	6.68	34.726	27.247
750	6.33	34.707	27.279
800	5.87	34.668	27.307
850	5.70	34.677	27.336
900	5.49	34.674	27.359
950	5.38	34.695	27.388
1000	5.17	34.708	27.424
1005	5.16	34.710	27.427

BAL-STACS38-91 CTD 12 BALDRIGE
Date 01 17 91 Latitude 10.014N
Time 1450 Z Longitude 51.302W



Prs	Tem	Sal	SigT
0	26.71	35.607	23.269
10	26.71	35.618	23.277
20	26.72	35.620	23.277
30	26.72	35.621	23.278
40	26.72	35.652	23.300
50	26.77	36.005	23.549
60	26.44	36.285	23.867
70	25.34	36.476	24.355
80	24.14	36.649	24.849
90	22.71	36.669	25.288
100	21.70	36.695	25.592
110	20.78	36.741	25.887
120	19.48	36.691	26.190
130	18.91	36.596	26.267
140	18.23	36.543	26.398
150	17.27	36.334	26.475
160	16.31	36.168	26.577
170	15.57	36.015	26.628
180	13.88	35.749	26.795
190	13.16	35.529	26.771
200	12.63	35.473	26.835
250	11.28	35.252	26.922
300	9.92	35.011	26.874
350	8.95	34.897	27.045
400	8.01	34.749	27.075
450	7.65	34.711	27.098
500	7.74	34.758	27.123
550	7.05	34.887	27.166
600	7.07	34.724	27.193
650	6.71	34.704	27.228
700	6.34	34.680	27.256
750	5.98	34.656	27.283
800	5.66	34.645	27.315
850	5.41	34.662	27.359
900	5.25	34.685	27.396
950	5.13	34.712	27.432
1000	5.12	34.757	27.468
1500	4.54	35.017	27.741
2000	3.57	34.982	27.816
2500	3.10	34.956	27.841
3000	2.83	34.938	27.852
3500	2.58	34.920	27.859
4000	2.36	34.905	27.866
4500	2.28	34.891	27.863
4931	1.85	34.835	27.852

BAL-STACS38-91 CTD 13 BALDRIGE
Date 01 18 91 Latitude 10.014N
Time 0726 Z Longitude 49.049W

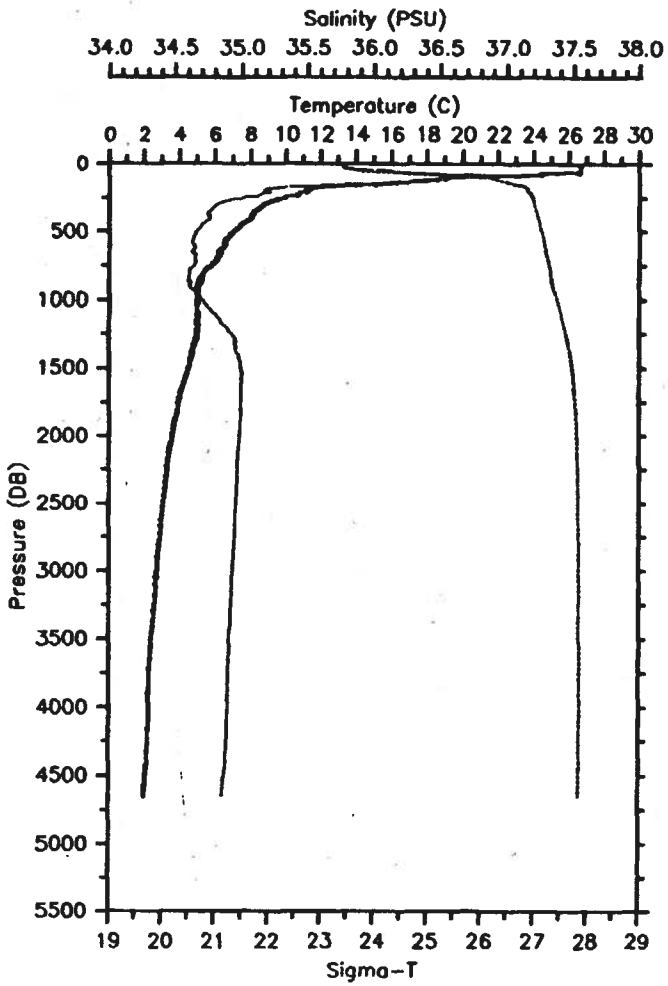


Prs	Tem	Sal	SigT
0	26.61	35.880	23.507
10	26.65	35.705	23.362
20	26.65	35.703	23.359
30	26.66	35.705	23.360
40	26.69	35.789	23.413
50	[illegible].70	35.939	23.522
60	26.97	36.372	23.764
70	25.85	36.772	24.419
80	23.98	36.967	25.138
90	22.59	36.936	25.522
100	20.13	36.598	25.949
110	17.98	36.295	26.270
120	16.85	36.135	26.422
130	15.81	35.970	26.539
140	15.14	35.840	26.590
150	14.19	35.725	26.707
160	13.23	35.540	26.766
170	12.59	35.446	26.822
180	11.73	35.358	26.918
190	11.40	35.207	26.864
200	10.72	35.091	26.897
250	11.05	35.227	26.944
300	9.58	34.979	27.007
350	8.99	34.935	27.069
400	8.38	34.846	27.096
450	7.91	34.801	27.132
500	7.44	34.753	27.162
550	6.75	34.684	27.189
600	6.50	34.657	27.217
650	6.27	34.664	27.253
700	5.80	34.617	27.275
750	5.64	34.627	27.303
800	5.44	34.625	27.328
850	5.22	34.631	27.357
900	5.21	34.672	27.391
950	5.11	34.700	27.425
1000	5.09	34.742	27.460
1500	4.56	35.014	27.737
2000	3.57	34.983	27.817
2500	3.11	34.956	27.841
3000	2.75	34.932	27.854
3500	2.53	34.916	27.860
4000	2.34	34.901	27.865
4500	2.24	34.888	27.861
4926	1.77	34.826	27.850

BAL-STACS38-91 CTD 14 BALDRIGE

Date 01 18 91 Latitude 8.784N

Time 1826 Z Longitude 49.521W

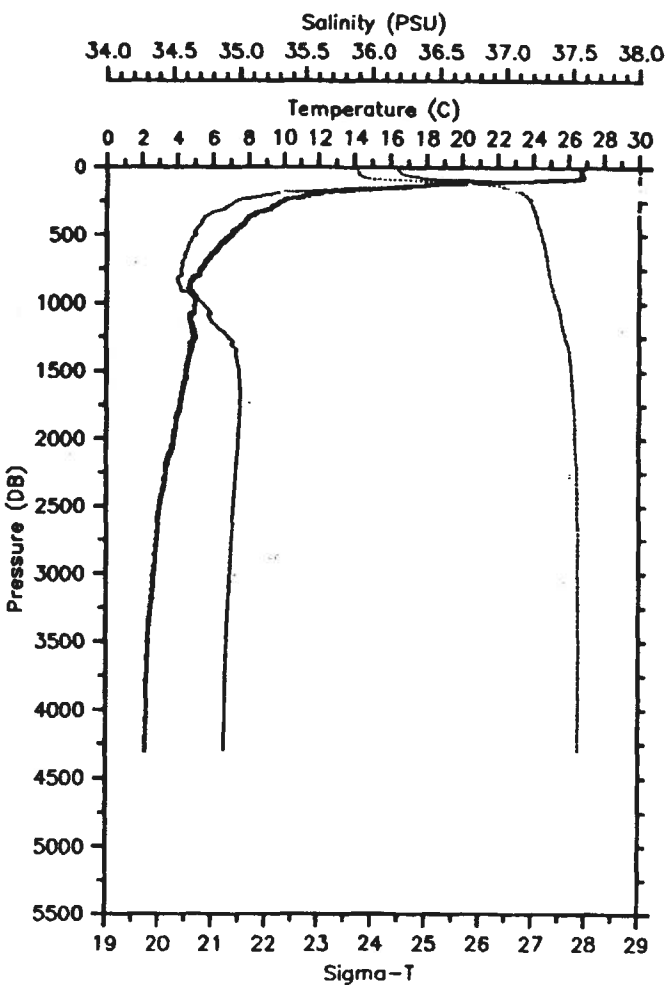


Prs	Tem	Sal	SigT
0	26.67	35.786	23.401
10	26.67	35.786	23.404
20	26.65	35.771	23.414
30	26.63	35.793	23.437
40	26.63	35.848	23.476
50	26.64	36.082	23.649
60	26.56	36.173	23.743
70	24.59	36.403	24.528
80	24.40	36.784	24.878
90	21.62	36.841	25.727
100	19.88	36.720	26.080
110	18.87	36.528	26.199
120	18.29	36.478	26.333
130	17.31	36.321	26.455
140	16.19	36.073	26.530
150	15.12	35.905	26.645
160	13.52	35.607	26.757
170	12.15	35.337	26.824
180	11.48	35.230	26.868
190	11.20	35.182	26.881
200	11.19	35.187	26.887
250	9.99	35.008	26.961
300	8.74	34.816	27.015
350	8.23	34.781	27.052
400	8.05	34.788	27.084
450	7.47	34.706	27.121
500	7.06	34.668	27.149
550	6.69	34.639	27.177
600	6.58	34.646	27.200
650	6.21	34.625	27.230
700	6.14	34.652	27.259
750	5.84	34.650	27.296
800	5.42	34.611	27.317
850	5.23	34.604	27.334
900	5.07	34.609	27.357
950	5.07	34.668	27.404
1000	5.05	34.709	27.438
1500	4.54	34.993	27.723
2000	3.63	34.986	27.813
2500	3.11	34.959	27.842
3000	2.76	34.935	27.854
3500	2.43	34.908	27.862
4000	2.29	34.899	27.866
4500	2.10	34.872	27.881
4648	2.03	34.859	27.857

BAL-STACS38-91 CTD 15 BALDRIGE

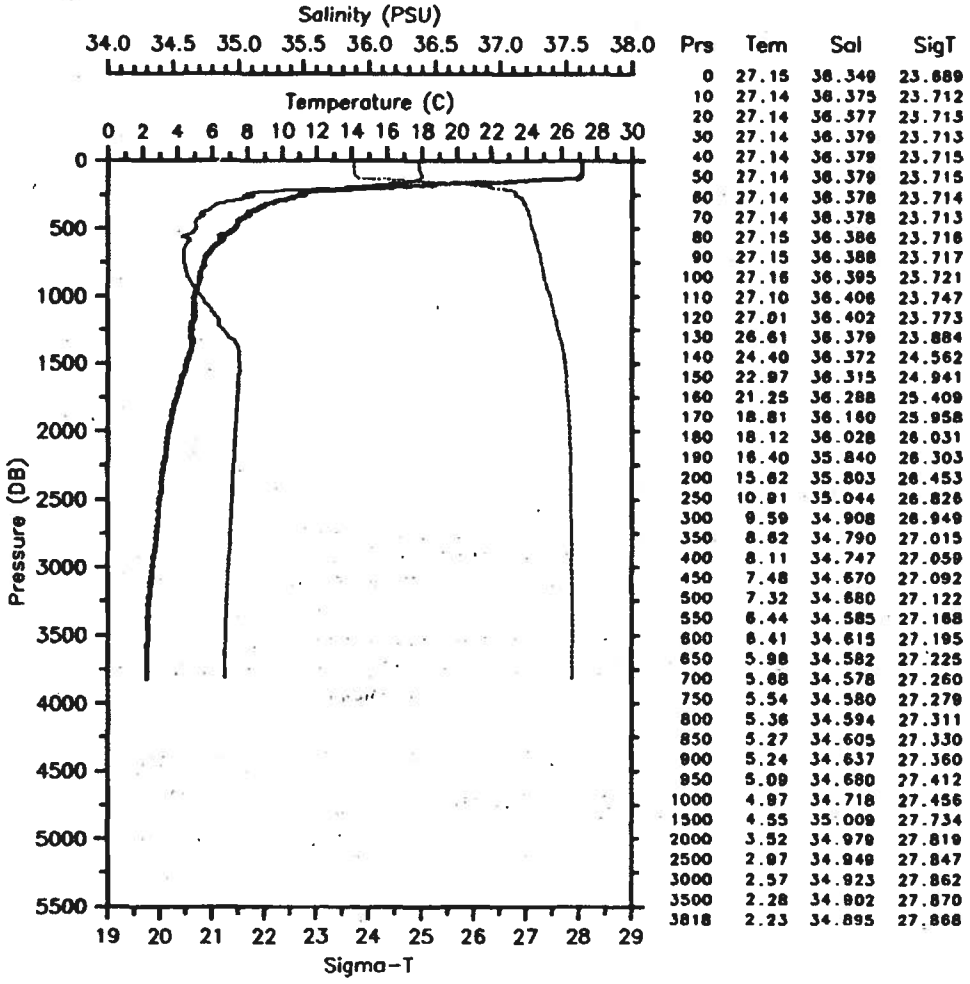
Date 01 19 91 Latitude 7.479N

Time 0418 Z Longitude 49.963W



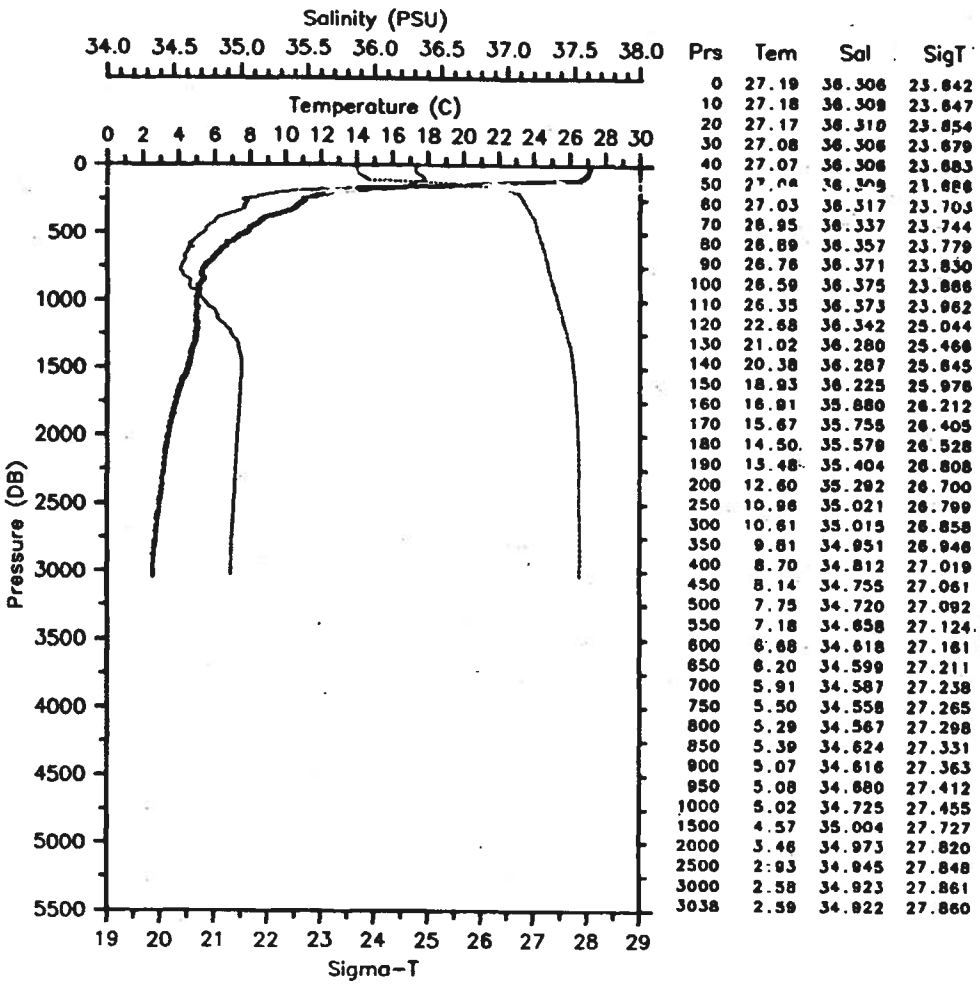
Prs	Tem	Sal	SigT
0	26.62	36.030	23.816
10	26.66	36.192	23.725
20	26.66	36.194	23.729
30	26.68	36.197	23.726
40	26.69	36.206	23.729
50	26.71	36.226	23.737
60	26.78	36.266	23.752
70	26.77	36.349	23.809
80	26.58	36.384	23.896
90	25.60	36.561	24.337
100	23.91	36.946	25.146
110	21.07	36.713	25.782
120	20.19	36.465	25.830
130	18.47	36.293	26.147
140	17.38	36.183	26.332
150	16.42	36.074	26.478
160	14.98	35.788	26.586
170	13.91	35.610	26.679
180	12.72	35.436	26.788
190	12.03	35.272	26.796
200	11.46	35.224	26.866
250	9.65	34.972	26.957
300	9.28	34.897	26.992
350	8.33	34.775	27.047
400	7.84	34.717	27.076
450	7.37	34.689	27.121
500	7.09	34.674	27.151
550	6.60	34.637	27.188
600	6.27	34.613	27.212
650	5.92	34.588	27.237
700	5.63	34.572	27.261
750	5.40	34.588	27.286
800	5.19	34.573	27.314
850	4.76	34.547	27.344
900	4.66	34.562	27.367
950	4.98	34.649	27.399
1000	5.01	34.720	27.452
1500	4.55	34.998	27.724
2000	3.80	34.993	27.802
2500	3.05	34.956	27.845
3000	2.71	34.932	27.858
3500	2.37	34.907	27.867
4000	2.27	34.897	27.868
4299	2.23	34.890	27.864

BAL-STACS38-91 CTD 16 BALDRIGE
Date 01 19 91 Latitude 6.669N
Time 1356 Z Longitude 50.690W



Prs	Tem	Sal	SigT
0	27.15	36.349	23.689
10	27.14	36.375	23.712
20	27.14	36.377	23.715
30	27.14	36.379	23.713
40	27.14	36.379	23.715
50	27.14	36.379	23.715
60	27.14	36.378	23.714
70	27.14	36.378	23.713
80	27.15	36.386	23.718
90	27.15	36.388	23.717
100	27.16	36.395	23.721
110	27.10	36.406	23.747
120	27.01	36.402	23.773
130	26.61	36.379	23.884
140	24.40	36.372	24.562
150	22.97	36.315	24.941
160	21.25	36.288	25.409
170	18.81	36.160	25.958
180	18.12	36.028	26.031
190	16.40	35.840	26.303
200	15.62	35.803	26.453
250	10.81	35.044	26.826
300	9.59	34.908	26.949
350	8.62	34.790	27.015
400	8.11	34.747	27.059
450	7.48	34.670	27.092
500	7.32	34.680	27.122
550	6.44	34.585	27.188
600	6.41	34.615	27.195
650	5.98	34.582	27.225
700	5.68	34.578	27.260
750	5.54	34.580	27.279
800	5.36	34.594	27.311
850	5.27	34.605	27.330
900	5.24	34.637	27.360
950	5.09	34.680	27.412
1000	4.87	34.718	27.456
1500	4.55	35.009	27.734
2000	3.52	34.979	27.819
2500	2.87	34.949	27.847
3000	2.57	34.923	27.862
3500	2.28	34.902	27.870
3818	2.23	34.895	27.868

BAL-STACS38-91 CTD 17 BALDRIGE
Date 01 19 91 Latitude 6.234N
Time 2116 Z Longitude 51.083W

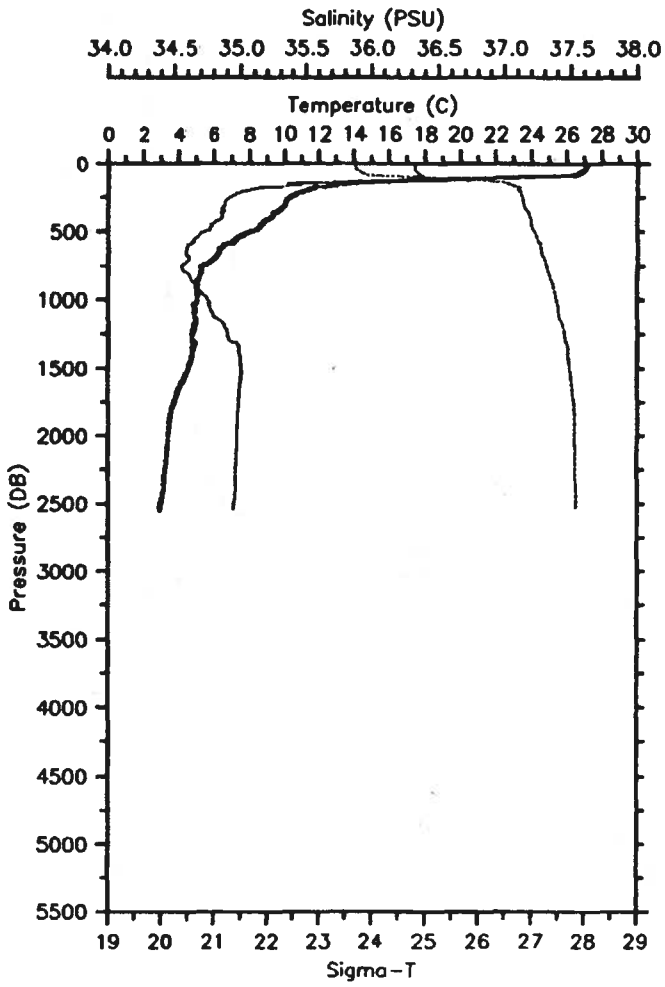


Prs	Tem	Sal	SigT
0	27.19	36.306	23.642
10	27.18	36.308	23.647
20	27.17	36.310	23.654
30	27.08	36.306	23.679
40	27.07	36.306	23.683
50	27.04	36.309	23.696
60	27.03	36.317	23.703
70	26.95	36.337	23.744
80	26.89	36.357	23.779
90	26.78	36.371	23.830
100	26.59	36.375	23.886
110	26.35	36.373	23.962
120	22.68	36.342	25.044
130	21.02	36.280	25.466
140	20.38	36.267	25.645
150	18.93	36.225	25.978
160	16.91	35.880	26.212
170	15.67	35.755	26.405
180	14.50	35.579	26.528
190	13.48	35.404	26.808
200	12.60	35.292	26.700
250	10.96	35.021	26.799
300	10.61	35.015	26.858
350	9.81	34.951	26.946
400	8.70	34.812	27.019
450	8.14	34.755	27.061
500	7.75	34.720	27.092
550	7.18	34.658	27.124
600	6.68	34.618	27.161
650	6.20	34.599	27.211
700	5.91	34.587	27.238
750	5.50	34.558	27.265
800	5.29	34.567	27.298
850	5.39	34.624	27.331
900	5.07	34.616	27.363
950	5.08	34.680	27.412
1000	5.02	34.725	27.455
1500	4.57	35.004	27.727
2000	3.46	34.973	27.820
2500	2.93	34.945	27.848
3000	2.58	34.923	27.861
3038	2.59	34.922	27.860

BAL-STACS38-91 CTD 18 BALDRIGE

Date 01 20 91 Latitude 6.120N

Time 0147 Z Longitude 51.301W

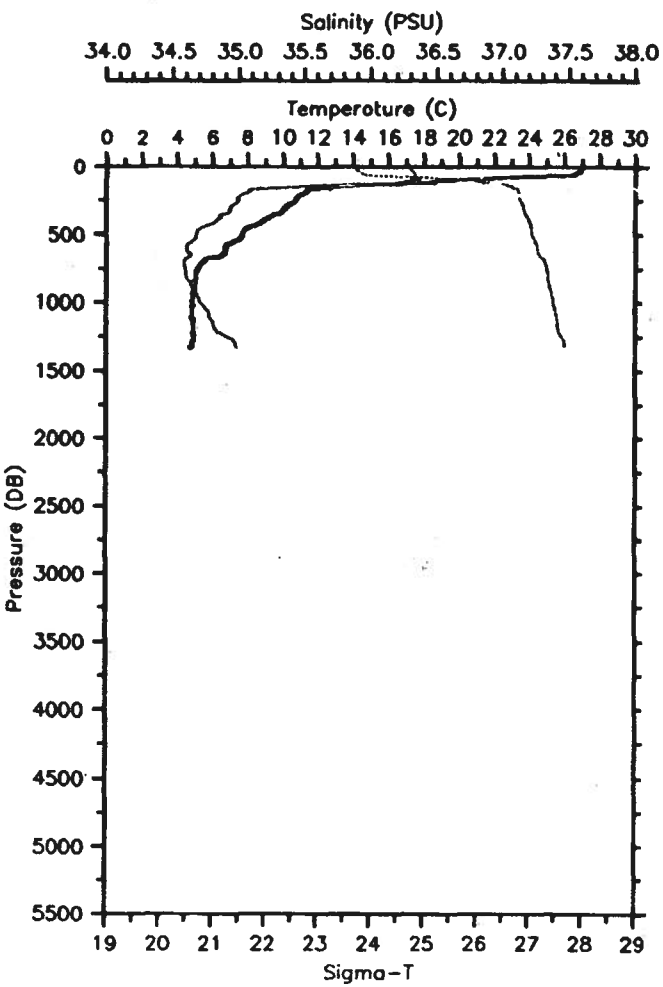


Prs	Tem	Sal	SigT
0	27.07	36.313	23.687
10	27.09	36.319	23.685
20	27.09	36.320	23.686
30	27.08	36.320	23.689
40	27.03	36.322	23.708
50	26.94	36.326	23.739
60	26.78	36.336	23.798
70	26.68	36.349	23.840
80	26.52	36.361	23.898
90	25.18	36.384	24.336
100	23.13	36.338	24.913
110	20.55	36.289	25.599
120	18.83	36.302	26.062
130	16.35	35.865	26.332
140	14.55	35.626	26.555
150	13.51	35.380	26.569
160	13.05	35.396	26.690
170	12.37	35.297	26.748
180	11.67	35.129	26.753
190	11.43	35.081	26.760
200	11.15	35.042	26.782
250	10.32	34.918	26.833
300	10.07	34.887	26.851
350	9.60	34.870	26.919
400	9.16	34.864	26.988
450	8.63	34.777	27.002
500	8.00	34.728	27.060
550	7.29	34.656	27.108
600	6.55	34.595	27.162
650	6.32	34.583	27.163
700	5.97	34.611	27.249
750	5.35	34.548	27.276
800	5.26	34.596	27.324
850	5.13	34.623	27.361
900	5.03	34.671	27.411
950	5.01	34.709	27.443
1000	5.06	34.752	27.472
1500	4.57	35.006	27.730
2000	3.39	34.972	27.826
2500	2.98	34.949	27.846
2546	2.93	34.945	27.848

BAL-STACS38-91 CTD 19 BALDRIGE

Date 01 20 91 Latitude 5.842N

Time 0943 Z Longitude 51.277W

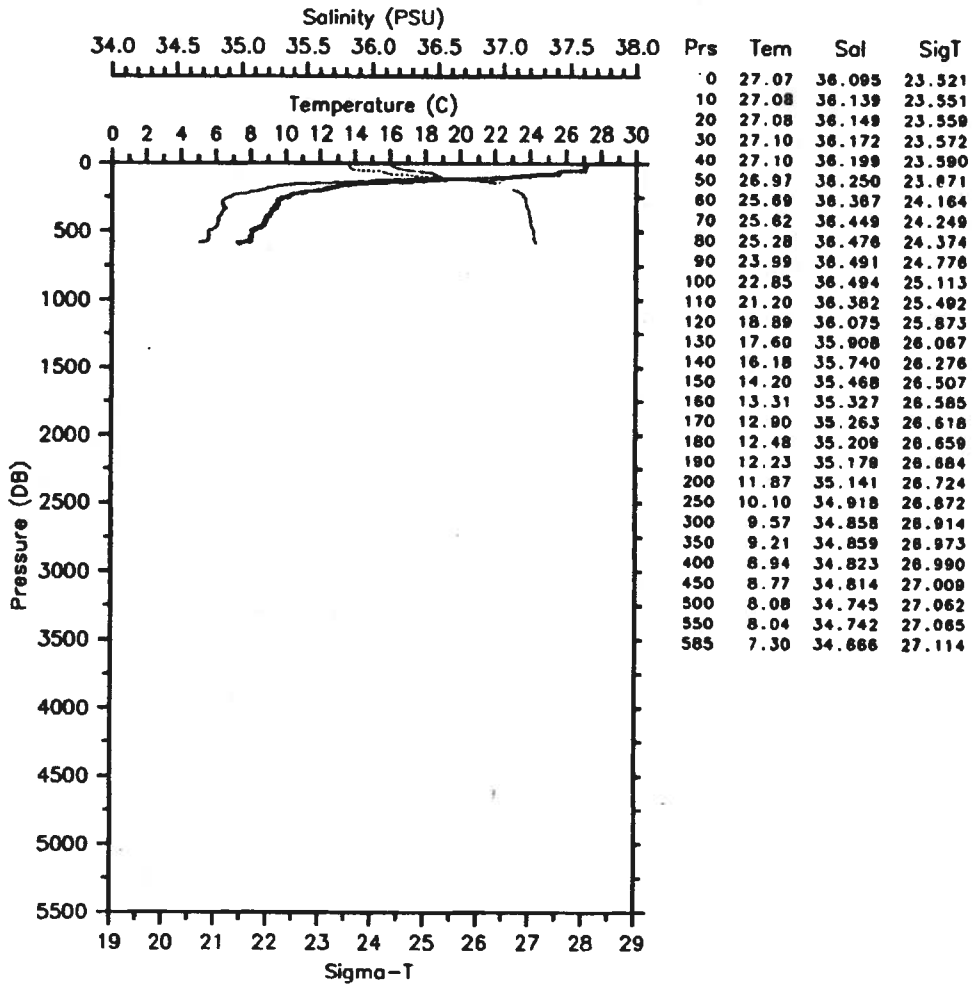


Prs	Tem	Sal	SigT
0	26.94	36.295	23.713
10	26.96	36.295	23.709
20	26.95	36.297	23.714
30	26.89	36.305	23.737
40	26.70	36.321	23.809
50	26.65	36.329	23 834
60	26.39	36.328	23.915
70	24.77	36.326	24.415
80	22.43	36.302	25.086
90	21.34	36.348	25.430
100	19.61	36.314	25.870
110	18.64	36.236	26.060
120	17.71	36.157	26.231
130	15.48	35.875	26.541
140	14.04	35.556	26.810
150	12.95	35.375	26.694
160	12.20	35.245	26.742
170	11.41	35.090	26.771
180	11.43	35.080	26.760
190	11.27	35.079	26.789
200	11.12	35.045	26.788
250	10.73	34.995	26.822
300	10.14	34.932	26.875
350	9.46	34.876	26.947
400	8.91	34.829	26.999
450	8.01	34.719	27.051
500	7.73	34.681	27.063
550	7.19	34.642	27.110
600	6.70	34.603	27.147
650	6.58	34.635	27.191
700	5.44	34.586	27.296
750	5.18	34.593	27.331
800	5.06	34.599	27.350
850	5.03	34.633	27.380
900	5.02	34.687	27.409
950	4.90	34.685	27.437
1000	4.86	34.708	27.461
1326	4.76	34.988	27.694

BAL-STACS38-91 CTD 20 BALDRIGE

Date 01 21 91 Latitude 3.951N

Time 0432 Z Longitude 48.720W

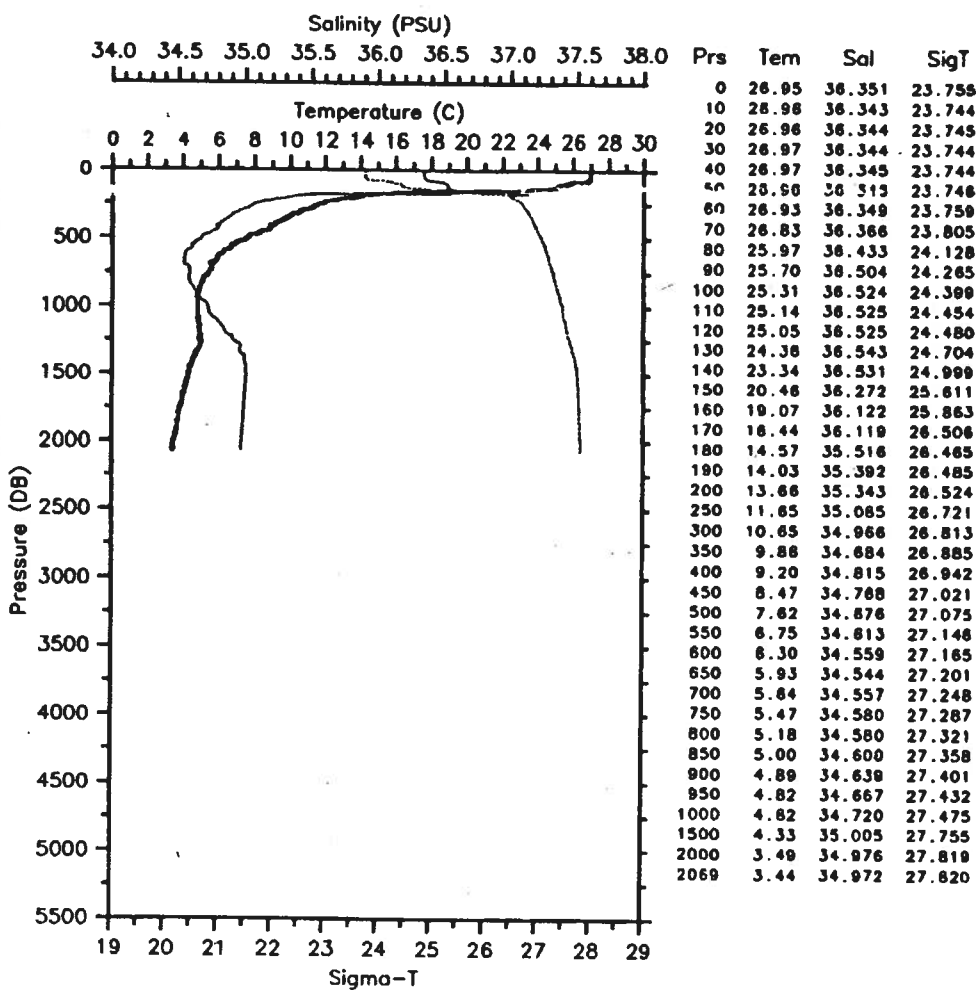


Prs	Tem	Sal	SigT
0	27.07	36.095	23.521
10	27.08	36.139	23.551
20	27.08	36.148	23.559
30	27.10	36.172	23.572
40	27.10	36.198	23.590
50	26.97	36.250	23.671
60	25.69	36.387	24.164
70	25.62	36.449	24.249
80	25.28	36.476	24.374
90	23.99	36.491	24.778
100	22.85	36.494	25.113
110	21.20	36.382	25.492
120	18.89	36.075	25.873
130	17.60	35.908	26.067
140	16.18	35.740	26.276
150	14.20	35.468	26.507
160	13.31	35.327	26.585
170	12.90	35.263	26.618
180	12.48	35.209	26.659
190	12.23	35.178	26.684
200	11.87	35.141	26.724
250	10.10	34.918	26.872
300	9.57	34.858	26.914
350	9.21	34.859	26.973
400	8.94	34.823	26.990
450	8.77	34.814	27.009
500	8.08	34.745	27.062
550	8.04	34.742	27.065
585	7.30	34.666	27.114

BAL-STACS38-91 CTD 21 BALDRIGE

Date 01 21 91 Latitude 4.531N

Time 0928 Z Longitude 48.363W

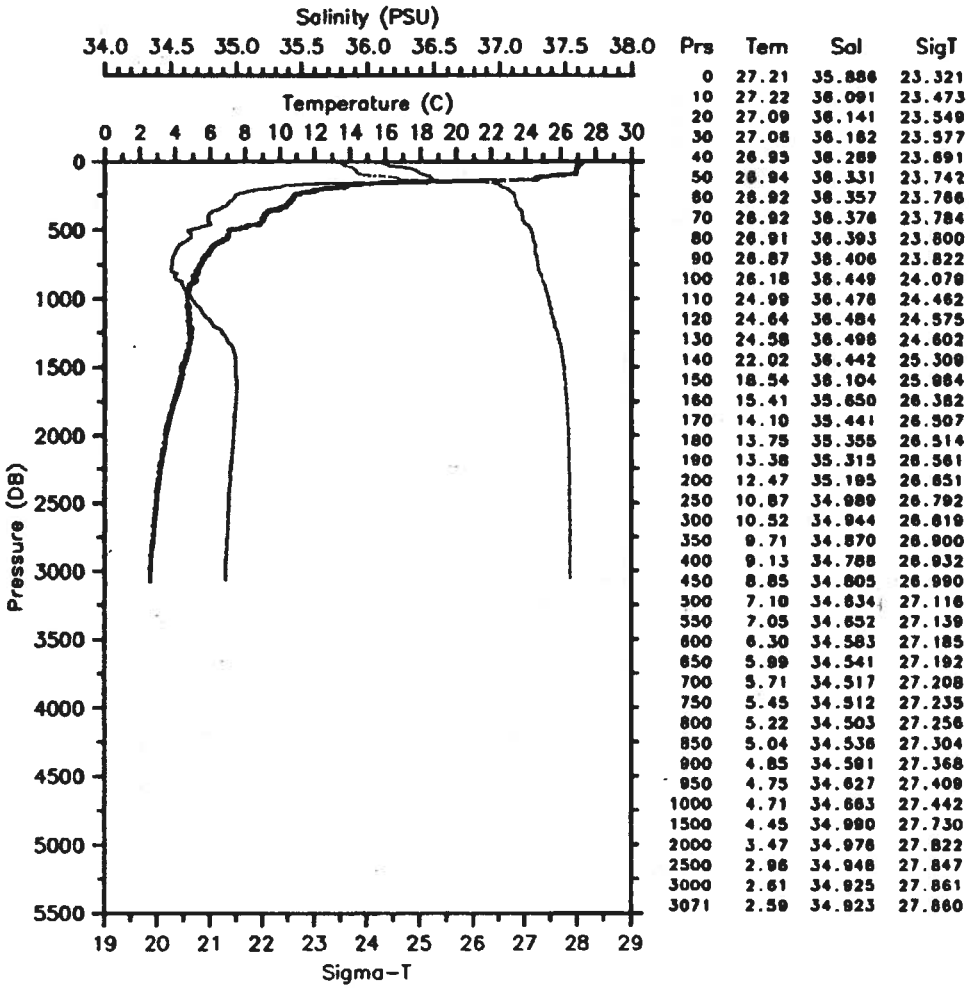


Prs	Tem	Sal	SigT
0	28.95	36.351	23.755
10	28.98	36.343	23.744
20	28.96	36.344	23.745
30	28.97	36.344	23.744
40	28.97	36.345	23.744
50	28.96	36.343	23.748
60	28.93	36.349	23.759
70	28.83	36.366	23.805
80	25.97	36.433	24.128
90	25.70	36.504	24.265
100	25.31	36.524	24.389
110	25.14	36.525	24.454
120	25.05	36.525	24.480
130	24.36	36.543	24.704
140	23.34	36.531	24.999
150	20.46	36.272	25.611
160	19.07	36.122	25.863
170	18.44	36.119	26.506
180	14.57	35.516	26.465
190	14.03	35.392	26.485
200	13.66	35.343	26.524
250	11.65	35.085	26.721
300	10.65	34.966	26.813
350	9.88	34.684	26.885
400	9.20	34.815	26.942
450	8.47	34.788	27.021
500	7.62	34.876	27.075
550	6.75	34.813	27.148
600	6.30	34.559	27.165
650	5.93	34.544	27.201
700	5.64	34.557	27.248
750	5.47	34.580	27.287
800	5.18	34.580	27.321
850	5.00	34.600	27.358
900	4.89	34.638	27.401
950	4.82	34.667	27.432
1000	4.82	34.720	27.475
1500	4.33	35.005	27.755
2000	3.49	34.976	27.819
2069	3.44	34.972	27.820

BAL-STACS38-91 CTD 22 BALDRIGE

Date 01 21 91 Latitude 4.938N

Time 2022 Z Longitude 47.563W

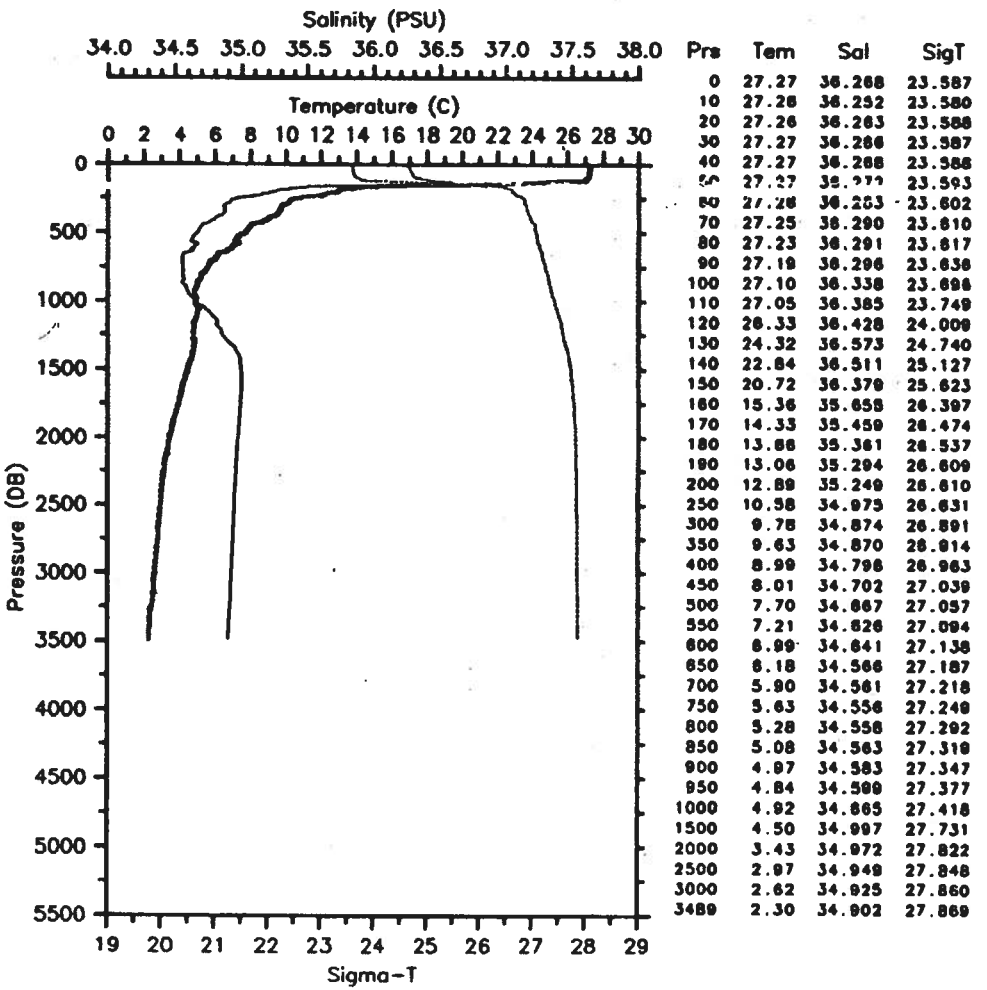


Prs	Tem	Sal	SigT
0	27.21	35.886	23.321
10	27.22	36.091	23.473
20	27.09	36.141	23.549
30	27.08	36.162	23.577
40	26.95	36.289	23.691
50	26.94	36.331	23.742
60	26.92	36.357	23.766
70	26.92	36.376	23.784
80	26.91	36.393	23.800
90	26.87	36.406	23.822
100	26.18	36.449	24.078
110	24.99	36.478	24.462
120	24.64	36.484	24.575
130	24.58	36.498	24.602
140	22.02	36.442	25.309
150	18.54	36.104	25.884
160	15.41	35.650	26.382
170	14.10	35.441	26.507
180	13.75	35.355	26.514
190	13.38	35.315	26.561
200	12.47	35.195	26.651
250	10.87	34.989	26.792
300	10.52	34.944	26.819
350	9.71	34.870	26.900
400	9.13	34.788	26.932
450	8.85	34.805	26.990
500	7.10	34.634	27.116
550	7.05	34.652	27.139
600	6.30	34.583	27.185
650	5.99	34.541	27.192
700	5.71	34.517	27.208
750	5.45	34.512	27.235
800	5.22	34.503	27.256
850	5.04	34.538	27.304
900	4.85	34.591	27.368
950	4.75	34.627	27.409
1000	4.71	34.663	27.442
1500	4.45	34.990	27.730
2000	3.47	34.976	27.822
2500	2.96	34.948	27.847
3000	2.61	34.925	27.861
3071	2.59	34.923	27.860

BAL-STACS38-91 CTD 23 BALDRIGE

Date 01 22 91 Latitude 5.323N

Time 0417 Z Longitude 46.817W

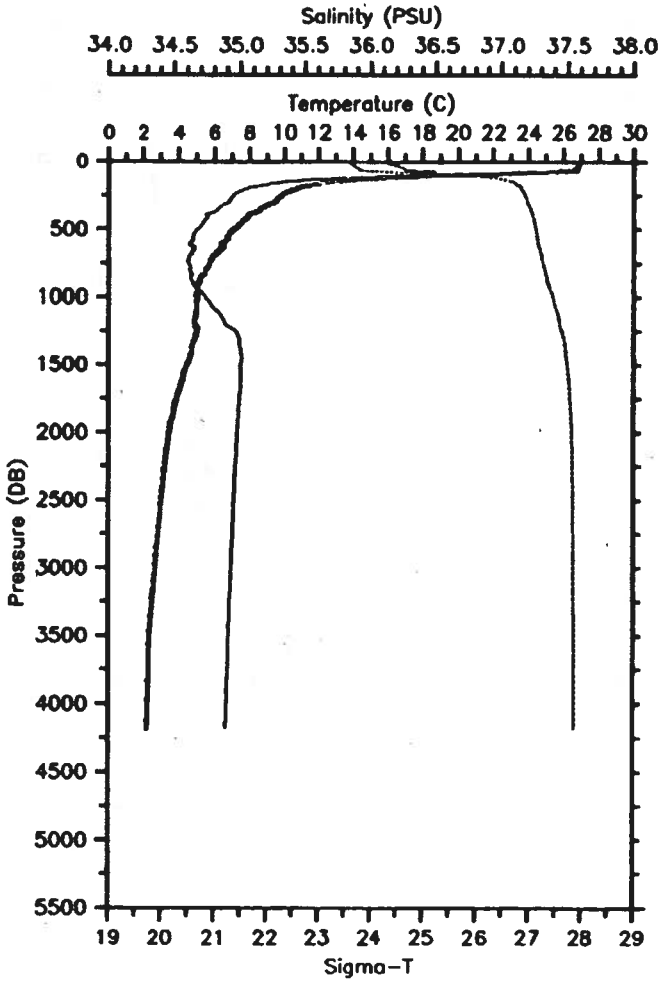


Prs	Tem	Sal	SigT
0	27.27	36.268	23.587
10	27.28	36.252	23.580
20	27.26	36.263	23.588
30	27.27	36.286	23.587
40	27.27	36.288	23.588
50	27.27	36.277	23.593
60	27.26	36.283	23.602
70	27.25	36.290	23.610
80	27.23	36.291	23.617
90	27.19	36.296	23.638
100	27.10	36.338	23.698
110	27.05	36.385	23.749
120	26.33	36.428	24.009
130	24.32	36.573	24.740
140	22.84	36.511	25.127
150	20.72	36.379	25.623
160	15.36	35.658	26.397
170	14.33	35.459	26.474
180	13.86	35.361	26.537
190	13.06	35.294	26.609
200	12.89	35.249	26.610
250	10.58	34.975	26.831
300	9.78	34.874	26.891
350	9.63	34.870	26.914
400	8.99	34.798	26.963
450	8.01	34.702	27.039
500	7.70	34.667	27.057
550	7.21	34.626	27.094
600	6.99	34.641	27.138
650	6.18	34.566	27.187
700	5.90	34.561	27.218
750	5.63	34.556	27.240
800	5.28	34.558	27.292
850	5.08	34.563	27.319
900	4.97	34.583	27.347
950	4.84	34.599	27.377
1000	4.92	34.665	27.418
1500	4.50	34.997	27.731
2000	3.43	34.972	27.822
2500	2.97	34.949	27.848
3000	2.62	34.925	27.860
3489	2.30	34.902	27.869

BAL-STACS38-91 CTD 24 BALDRIGE

Date 01 22 91 Latitude 6.680N

Time 2150 Z Longitude 46.342W

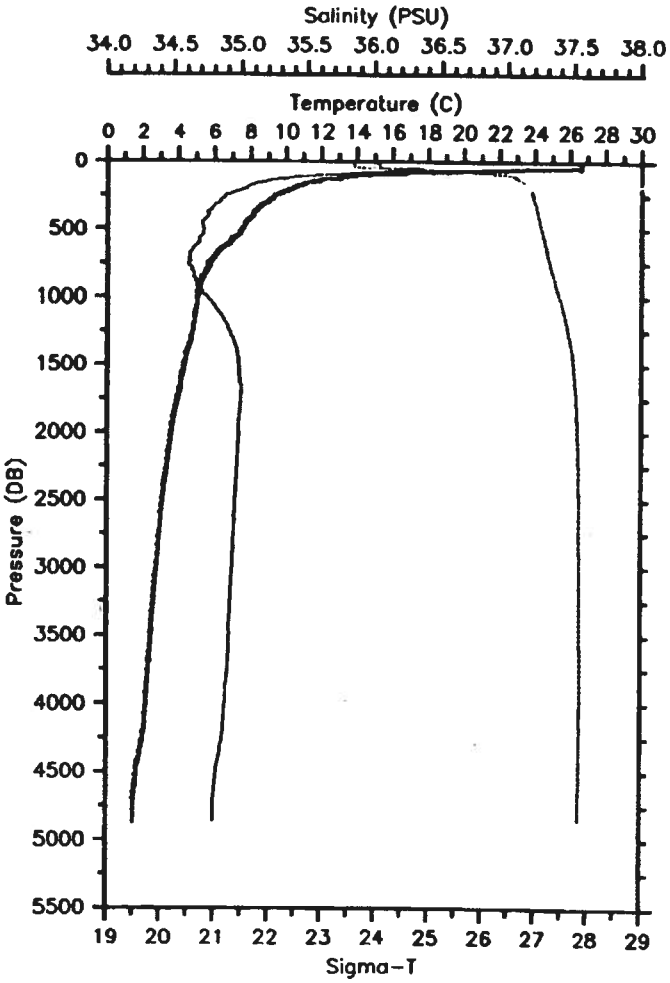


Prs	Tem	Sal	SigT
0	28.88	36.148	23.624
10	28.90	36.128	23.600
20	28.87	36.174	23.645
30	28.84	36.206	23.679
40	28.78	36.236	23.722
50	28.68	36.259	23.789
60	28.68	36.270	23.777
70	25.67	36.487	24.261
80	23.70	36.477	24.850
90	21.84	36.341	25.285
100	19.42	36.272	25.885
110	17.20	35.985	26.224
120	15.64	35.736	26.398
130	14.39	35.564	26.541
140	13.43	35.442	26.648
150	12.58	35.321	26.727
160	12.05	35.232	26.760
170	11.63	35.194	26.810
180	11.18	35.127	26.842
190	10.80	35.085	26.862
200	10.61	35.043	26.879
250	9.87	34.949	26.935
300	9.42	34.910	26.980
350	8.86	34.828	27.038
400	7.98	34.747	27.078
450	7.56	34.715	27.116
500	7.09	34.672	27.147
550	6.77	34.643	27.169
600	6.42	34.611	27.191
650	6.36	34.653	27.232
700	5.92	34.603	27.249
750	5.72	34.604	27.278
800	5.47	34.613	27.312
850	5.24	34.618	27.345
900	5.10	34.640	27.379
950	5.03	34.677	27.416
1000	5.01	34.733	27.463
1500	4.47	35.003	27.738
2000	3.50	34.980	27.821
2500	3.03	34.951	27.844
3000	2.71	34.931	27.857
3500	2.38	34.909	27.867
4000	2.28	34.898	27.867
4178	2.25	34.892	27.865

BAL-STACS38-91 CTD 25 BALDRIGE

Date 01 23 91 Latitude 8.278N

Time 1400 Z Longitude 43.960W

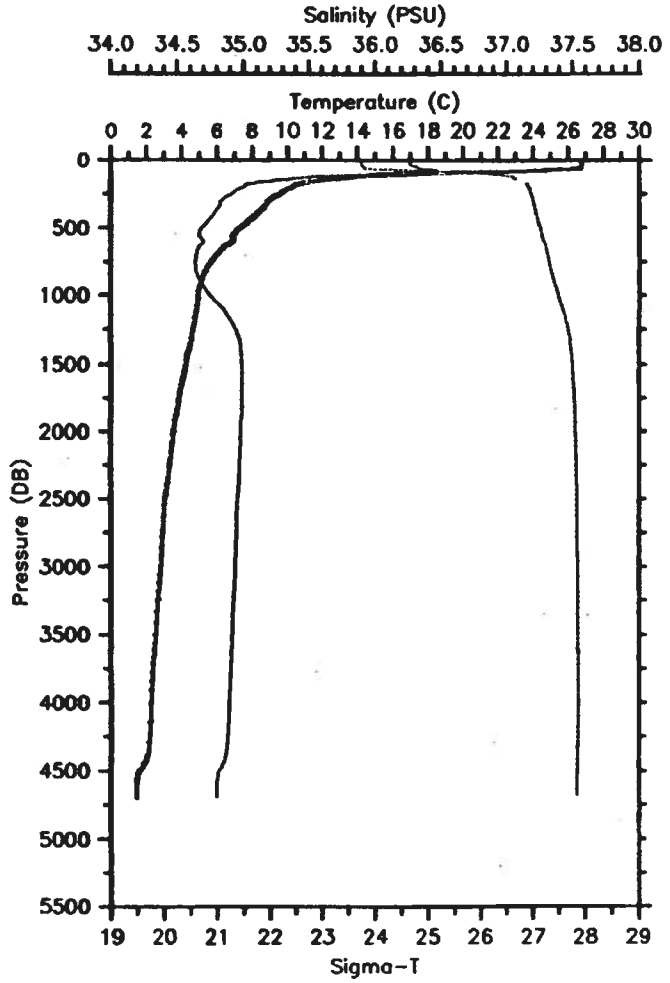


Prs	Tem	Sal	SigT
0	28.64	35.890	23.507
10	28.64	36.017	23.601
20	28.64	36.032	23.611
30	28.64	36.033	23.612
40	28.63	36.036	23.617
50	25.00	36.143	24.190
60	22.47	36.343	25.107
70	19.83	36.126	25.868
80	18.34	36.010	25.963
90	16.53	35.803	26.244
100	14.59	35.633	26.551
110	13.62	35.475	26.636
120	13.12	35.378	26.662
130	12.38	35.287	26.739
140	11.80	35.213	26.775
150	11.55	35.180	26.815
160	11.12	35.120	26.848
170	10.94	35.091	26.857
180	10.69	35.059	26.877
190	10.48	35.046	26.905
200	10.35	35.034	26.919
250	9.36	34.881	26.986
300	8.98	34.842	26.998
350	8.42	34.778	27.037
400	8.17	34.755	27.057
450	7.76	34.712	27.083
500	7.36	34.723	27.121
550	7.26	34.709	27.153
600	6.86	34.680	27.187
650	6.36	34.636	27.219
700	6.03	34.613	27.243
750	5.68	34.605	27.281
800	5.58	34.627	27.311
850	5.32	34.643	27.355
900	5.26	34.672	27.384
950	5.16	34.707	27.424
1000	5.07	34.747	27.467
1500	4.34	34.980	27.734
2000	3.62	34.981	27.811
2500	3.11	34.954	27.838
3000	2.80	34.936	27.852
3500	2.50	34.912	27.860
4000	2.23	34.888	27.863
4500	1.70	34.823	27.853
4863	1.53	34.798	27.846

BAL-STACS38-91 CTD 26 BALDRIGE

Date 01 24 91 Latitude 6.699N

Time 0246 Z Longitude 44.023W

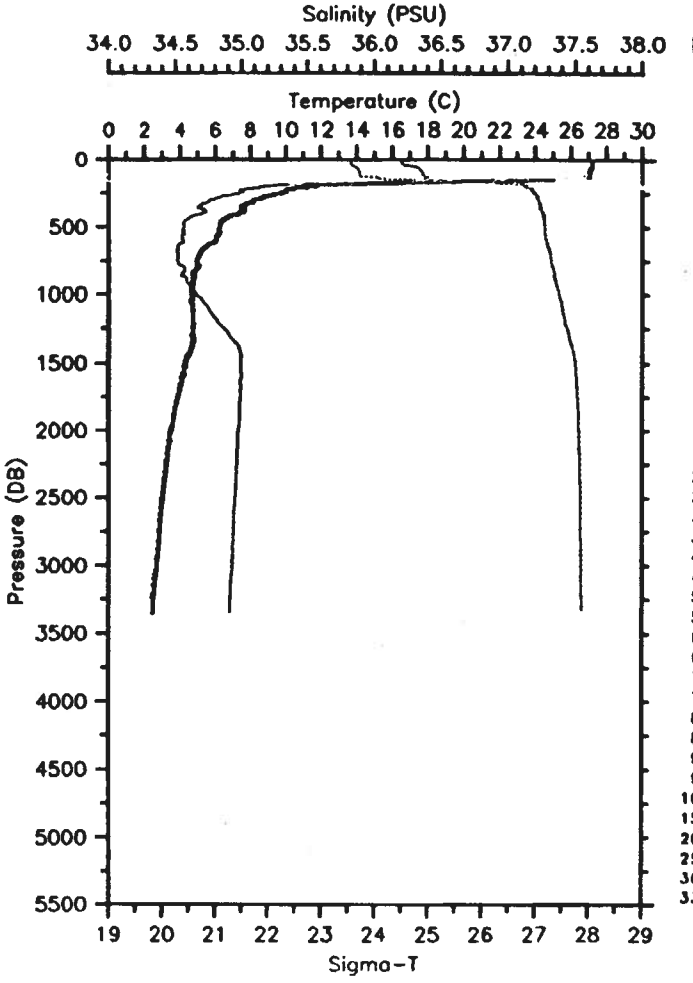


Prs	Tem	Sal	SigT
0	26.77	36.272	23.752
10	26.78	36.266	23.740
20	26.78	36.262	23.741
30	26.78	36.264	23.742
40	26.80	36.269	23.756
50	26.77	36.318	23.788
60	26.52	36.336	23.861
70	24.99	36.450	24.441
80	23.57	36.442	24.864
90	20.36	36.282	25.641
100	17.96	36.002	26.045
110	15.97	35.875	26.429
120	14.26	35.584	26.563
130	13.52	35.424	26.617
140	12.77	35.355	26.714
150	11.87	35.244	26.805
160	11.29	35.159	26.847
170	10.83	35.081	26.870
180	10.48	35.023	26.887
190	10.39	35.007	26.890
200	10.25	35.002	26.910
250	9.58	34.912	26.955
300	8.94	34.837	27.000
350	8.63	34.812	27.030
400	8.23	34.775	27.083
450	7.77	34.731	27.098
500	7.22	34.682	27.137
550	6.91	34.664	27.167
600	6.85	34.701	27.204
650	6.34	34.661	27.241
700	5.92	34.640	27.279
750	5.65	34.634	27.307
800	5.44	34.637	27.336
850	5.22	34.651	27.373
900	5.10	34.675	27.406
950	4.96	34.710	27.450
1000	4.92	34.743	27.481
1500	4.26	34.986	27.747
2000	3.55	34.977	27.814
2500	3.06	34.953	27.842
3000	2.80	34.935	27.852
3500	2.55	34.917	27.860
4000	2.26	34.896	27.867
4500	1.60	34.811	27.852
4694	1.47	34.793	27.847

BAL-STACS38-91 CTD 27 BALDRIGE

Date 01 24 91 Latitude 5.253N

Time 1408 Z Longitude 44.029W

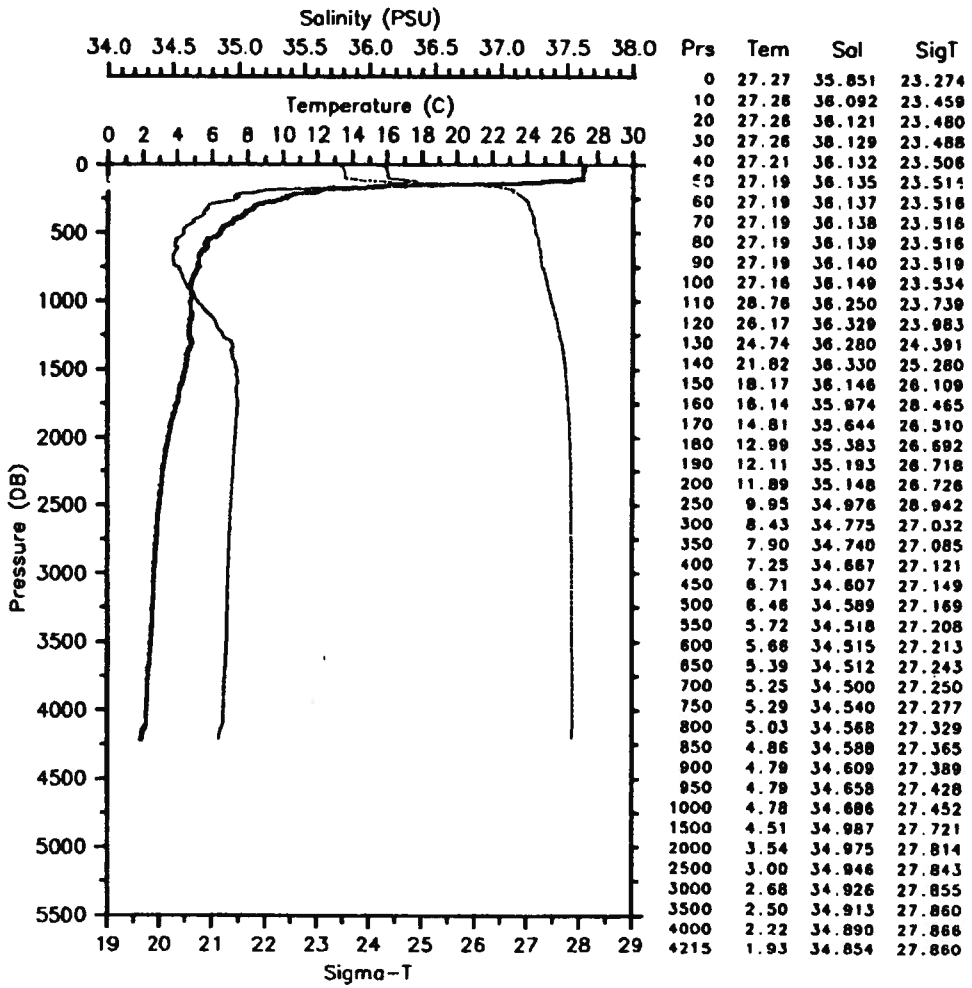


Prs	Tem	Sal	SigT
0	27.19	36.374	23.695
10	27.22	36.208	23.559
20	27.22	36.204	23.557
30	27.21	36.210	23.565
40	27.20	36.226	23.578
50	27.17	36.281	23.632
60	27.14	36.336	23.682
70	27.12	36.344	23.694
80	27.10	36.350	23.704
90	27.08	36.359	23.717
100	27.08	36.364	23.722
110	27.06	36.368	23.726
120	27.07	36.370	23.732
130	26.19	36.406	24.038
140	25.98	36.386	24.095
150	24.06	36.421	24.700
160	20.03	36.331	25.771
170	17.30	36.105	26.291
180	14.37	35.711	26.659
190	11.81	35.259	26.828
200	11.31	35.162	26.844
250	9.66	34.978	26.990
300	8.20	34.757	27.053
350	7.45	34.669	27.095
400	7.28	34.698	27.142
450	6.39	34.577	27.169
500	6.25	34.560	27.174
550	6.18	34.566	27.188
600	6.05	34.560	27.199
650	5.43	34.514	27.238
700	5.15	34.519	27.276
750	5.00	34.516	27.292
800	4.99	34.570	27.336
850	4.70	34.548	27.351
900	4.75	34.585	27.375
950	4.68	34.622	27.411
1000	4.70	34.663	27.443
1500	4.34	34.997	27.748
2000	3.54	34.975	27.813
2500	3.05	34.953	27.843
3000	2.72	34.930	27.855
3349	2.49	34.913	27.861

BAL-STACS38-91 CTD 28 BALDRIGE

Date 01 24 91 Latitude 4.194N

Time 2229 Z Longitude 44.052W

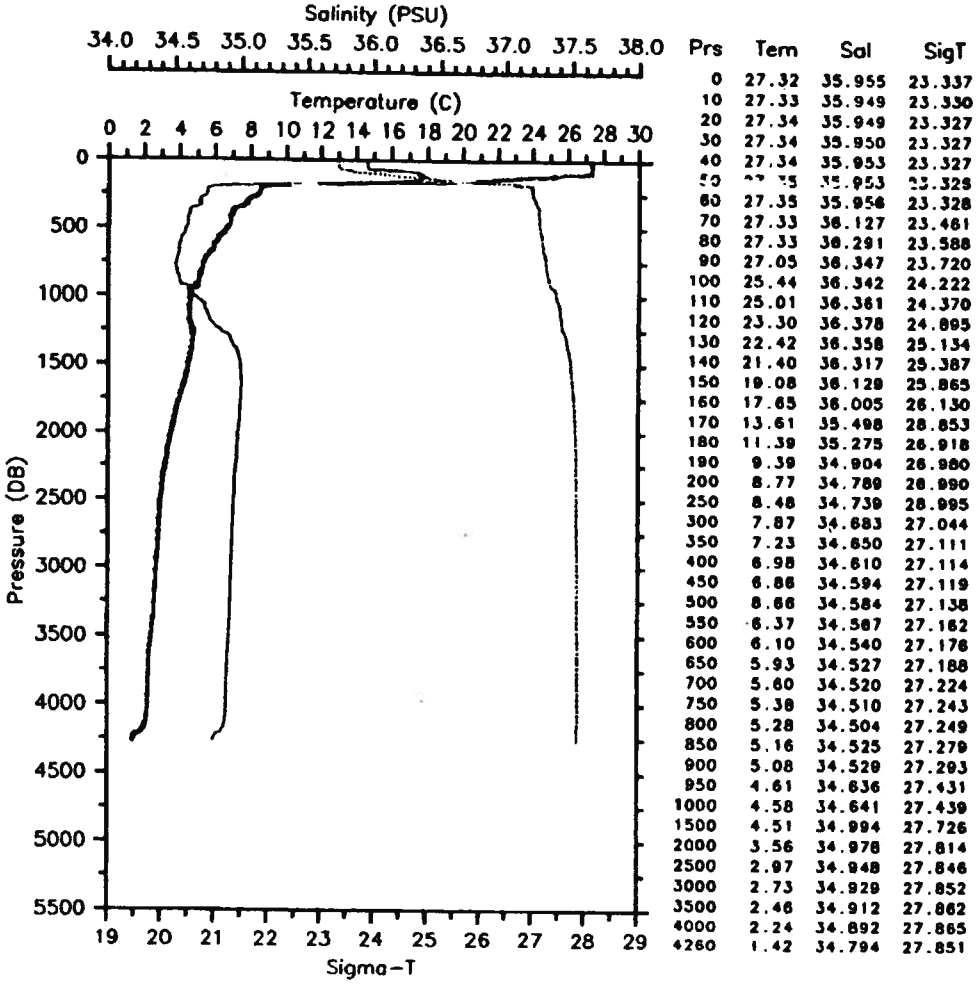


Prs	Tem	Sal	SigT
0	27.27	35.851	23.274
10	27.28	36.092	23.459
20	27.28	36.121	23.480
30	27.26	36.129	23.488
40	27.21	36.132	23.506
50	27.19	36.135	23.514
60	27.19	36.137	23.516
70	27.19	36.138	23.516
80	27.19	36.139	23.516
90	27.19	36.140	23.519
100	27.16	36.149	23.534
110	26.76	36.250	23.739
120	26.17	36.329	23.983
130	24.74	36.280	24.391
140	21.82	36.330	25.280
150	18.17	36.146	26.109
160	16.14	35.974	26.465
170	14.81	35.644	26.510
180	12.99	35.383	26.692
190	12.11	35.193	26.718
200	11.89	35.148	26.726
250	9.95	34.976	26.942
300	8.43	34.775	27.032
350	7.90	34.740	27.085
400	7.25	34.687	27.121
450	6.71	34.607	27.149
500	6.46	34.589	27.169
550	5.72	34.518	27.208
600	5.66	34.515	27.213
650	5.39	34.512	27.243
700	5.25	34.500	27.250
750	5.29	34.540	27.277
800	5.03	34.568	27.329
850	4.86	34.588	27.365
900	4.79	34.609	27.389
950	4.79	34.658	27.428
1000	4.78	34.686	27.452
1500	4.51	34.987	27.721
2000	3.54	34.975	27.814
2500	3.00	34.946	27.843
3000	2.68	34.926	27.855
3500	2.50	34.913	27.860
4000	2.22	34.890	27.866
4215	1.93	34.854	27.860

BAL-STACS38-91 CTD 29 BALDRIGE

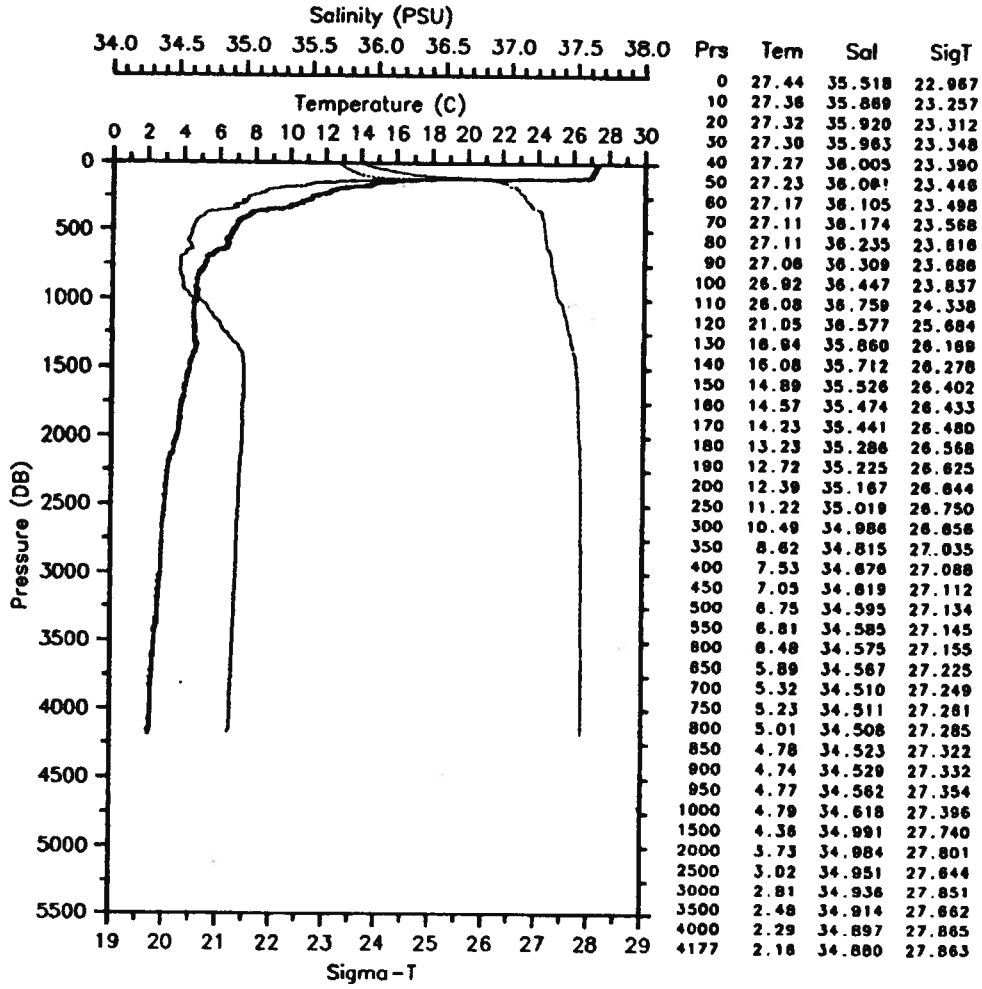
Date 01 25 91 Latitude 3.284N

Time 0722 Z Longitude 44.032W



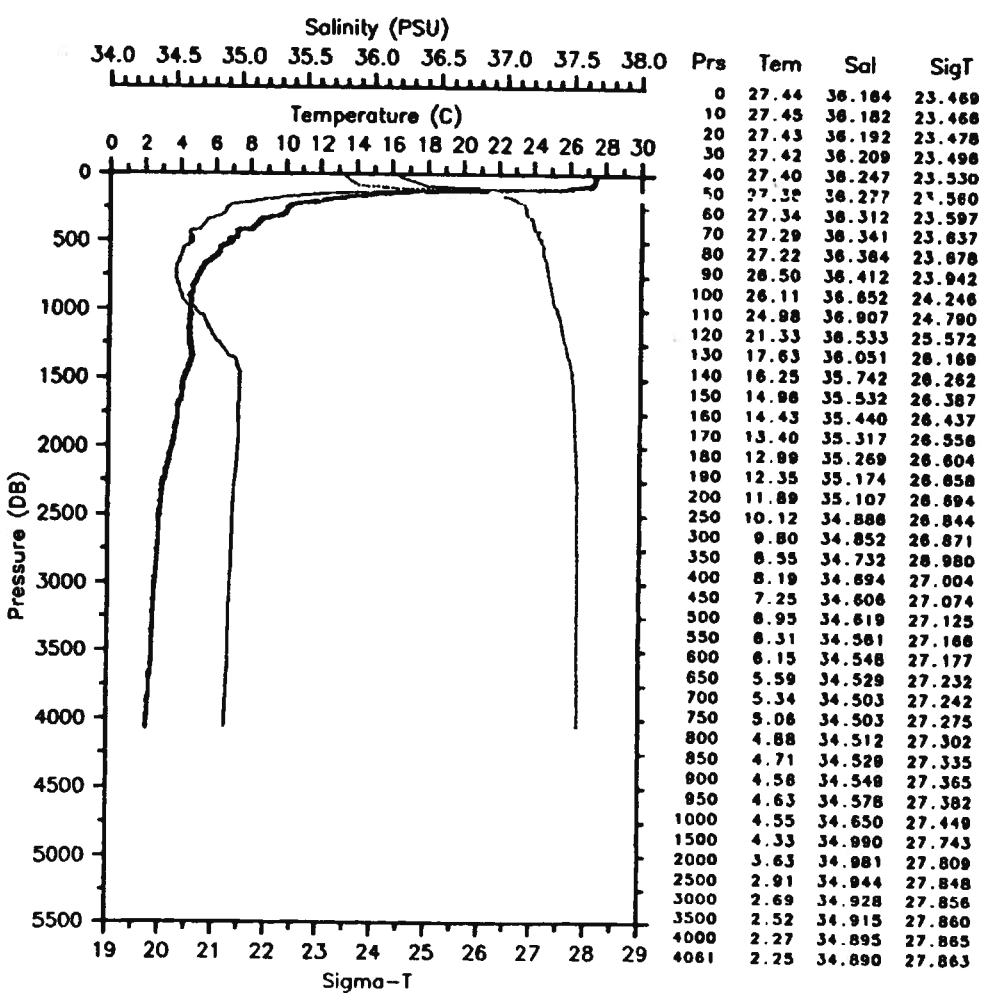
Prs	Tem	Sal	SigT
0	27.32	35.955	23.337
10	27.33	35.949	23.330
20	27.34	35.949	23.327
30	27.34	35.950	23.327
40	27.34	35.953	23.327
50	27.35	35.953	23.328
60	27.35	35.956	23.328
70	27.33	36.127	23.481
80	27.33	36.291	23.588
90	27.05	36.347	23.720
100	25.44	36.342	24.222
110	25.01	36.361	24.370
120	23.30	36.378	24.895
130	22.42	36.358	25.134
140	21.40	36.317	25.387
150	19.08	36.128	25.865
160	17.65	36.005	26.130
170	13.61	35.498	26.853
180	11.39	35.275	26.918
190	9.39	34.904	26.980
200	8.77	34.789	26.990
250	8.48	34.739	26.995
300	7.87	34.683	27.044
350	7.23	34.650	27.111
400	6.98	34.610	27.114
450	6.86	34.594	27.119
500	6.66	34.584	27.138
550	6.37	34.567	27.162
600	6.10	34.540	27.176
650	5.93	34.527	27.188
700	5.60	34.520	27.224
750	5.38	34.510	27.243
800	5.28	34.504	27.249
850	5.16	34.525	27.279
900	5.08	34.529	27.293
950	4.61	34.636	27.431
1000	4.58	34.641	27.439
1500	4.51	34.994	27.726
2000	3.56	34.978	27.814
2500	2.97	34.948	27.846
3000	2.73	34.929	27.852
3500	2.46	34.912	27.862
4000	2.24	34.892	27.865
4260	1.42	34.794	27.851

BAL-STACS38-91 CTD 30 BALDRIGE
Date 01 25 91 Latitude 1.939N
Time 1757 Z Longitude 44.047W



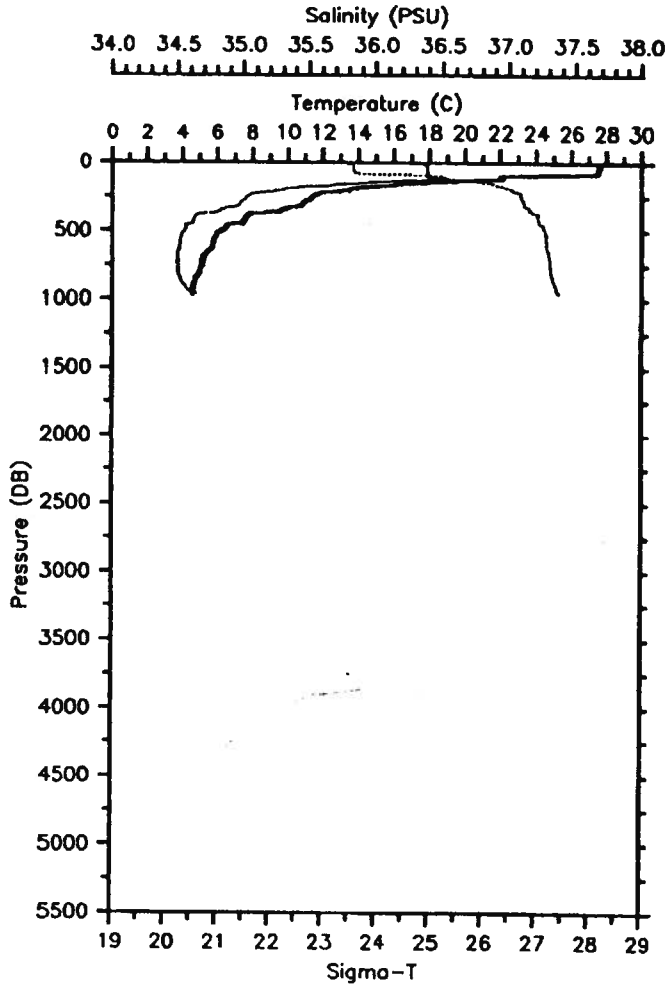
Prs	Tem	Sal	SigT
0	27.44	35.518	22.967
10	27.36	35.869	23.257
20	27.32	35.920	23.312
30	27.30	35.963	23.348
40	27.27	36.005	23.390
50	27.23	36.081	23.446
60	27.17	36.105	23.498
70	27.11	36.174	23.568
80	27.11	36.235	23.616
90	27.08	36.309	23.688
100	26.92	36.447	23.837
110	26.08	36.759	24.338
120	21.05	36.577	25.684
130	18.84	35.860	26.188
140	16.08	35.712	26.278
150	14.89	35.526	26.402
160	14.57	35.474	26.433
170	14.23	35.441	26.480
180	13.23	35.286	26.568
190	12.72	35.225	26.625
200	12.39	35.167	26.644
250	11.22	35.019	26.750
300	10.49	34.986	26.856
350	8.62	34.815	27.035
400	7.53	34.676	27.088
450	7.05	34.619	27.112
500	6.75	34.595	27.134
550	6.81	34.585	27.145
600	6.48	34.575	27.155
650	5.89	34.567	27.225
700	5.32	34.510	27.249
750	5.23	34.511	27.281
800	5.01	34.508	27.285
850	4.78	34.523	27.322
900	4.74	34.529	27.332
950	4.77	34.562	27.354
1000	4.79	34.618	27.396
1500	4.36	34.991	27.740
2000	3.73	34.984	27.801
2500	3.02	34.951	27.844
3000	2.81	34.936	27.851
3500	2.48	34.914	27.862
4000	2.29	34.897	27.865
4177	2.18	34.880	27.863

BAL-STACS38-91 CTD 31 BALDRIGE
Date 01 26 91 Latitude 0.865N
Time 0250 Z Longitude 44.045W



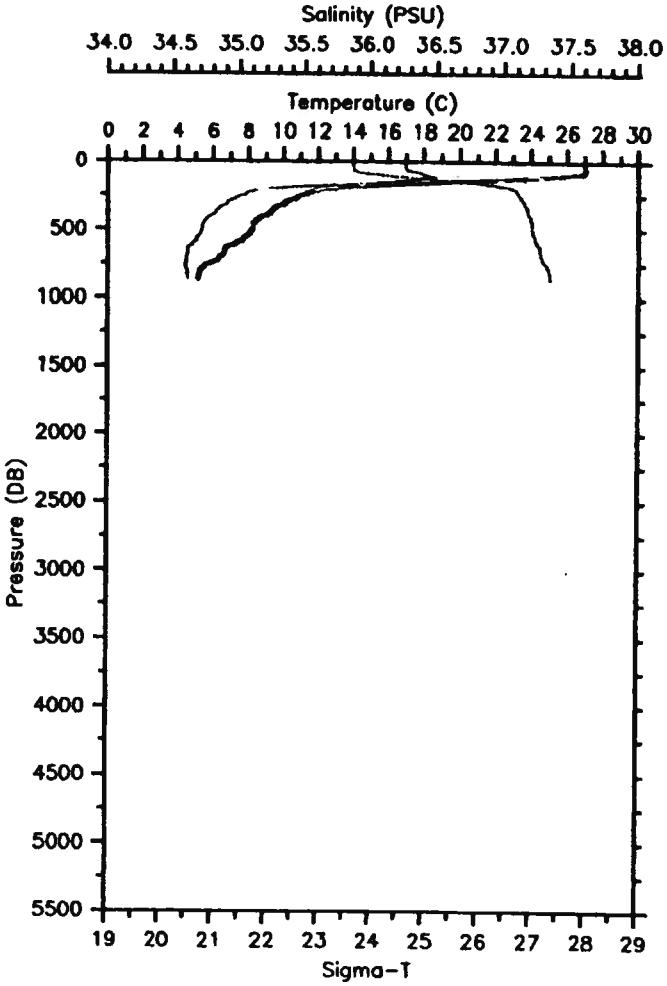
Prs	Tem	Sal	SigT
0	27.44	36.184	23.469
10	27.45	36.182	23.466
20	27.43	36.192	23.478
30	27.42	36.209	23.498
40	27.40	36.247	23.530
50	27.38	36.277	23.560
60	27.34	36.312	23.597
70	27.29	36.341	23.637
80	27.22	36.384	23.678
90	26.50	36.412	23.942
100	26.11	36.652	24.246
110	24.98	36.907	24.790
120	21.33	36.533	25.572
130	17.63	36.051	26.169
140	16.25	35.742	26.262
150	14.98	35.532	26.387
160	14.43	35.440	26.437
170	13.40	35.317	26.558
180	12.99	35.269	26.604
190	12.35	35.174	26.658
200	11.89	35.107	26.694
250	10.12	34.886	26.844
300	9.80	34.852	26.871
350	8.55	34.732	26.980
400	8.19	34.694	27.004
450	7.25	34.606	27.074
500	6.95	34.619	27.125
550	6.31	34.581	27.168
600	6.15	34.548	27.177
650	5.59	34.529	27.232
700	5.34	34.503	27.242
750	5.06	34.503	27.275
800	4.88	34.512	27.302
850	4.71	34.529	27.335
900	4.58	34.548	27.365
950	4.63	34.578	27.382
1000	4.55	34.650	27.449
1500	4.33	34.990	27.743
2000	3.63	34.981	27.809
2500	2.91	34.944	27.848
3000	2.69	34.928	27.856
3500	2.52	34.915	27.860
4000	2.27	34.895	27.865
4061	2.25	34.890	27.863

BAL-STACS38-91 CTD 32 BALDRIGE
Date 01 26 91 Latitude 0.144N
Time 0950 Z Longitude 44.387W



Prs	Tem	Sal	SigT
0	27.53	34.170	21.924
10	27.59	36.338	23.538
20	27.59	36.380	23.569
30	27.59	36.382	23.570
40	27.59	36.383	23.570
50	27.59	36.384	23.572
60	27.58	36.387	23.576
70	27.54	36.388	23.592
80	27.22	36.386	23.692
90	23.67	36.380	24.728
100	22.08	36.389	25.254
110	22.09	36.435	25.284
120	21.76	36.498	25.410
130	18.82	36.241	25.731
140	16.52	36.028	25.930
150	17.23	35.886	26.141
160	16.24	35.720	26.248
170	15.69	35.638	26.307
180	14.53	35.470	26.439
190	13.69	35.385	26.534
200	13.44	35.300	26.536
250	11.39	35.028	26.728
300	10.66	34.974	26.780
350	9.62	34.826	26.880
400	7.88	34.826	27.031
450	7.04	34.603	27.100
500	6.27	34.549	27.161
550	5.86	34.522	27.191
600	5.76	34.515	27.199
650	5.48	34.500	27.222
700	5.19	34.493	27.251
750	5.13	34.501	27.265
800	5.01	34.497	27.275
850	4.76	34.513	27.317
900	4.65	34.553	27.361
950	4.58	34.625	27.426
960	4.58	34.636	27.434

BAL-STACS38-91 CTD 33 BALDRIGE
Date 01 28 91 Latitude 7.477N
Time 0607 Z Longitude 52.947W

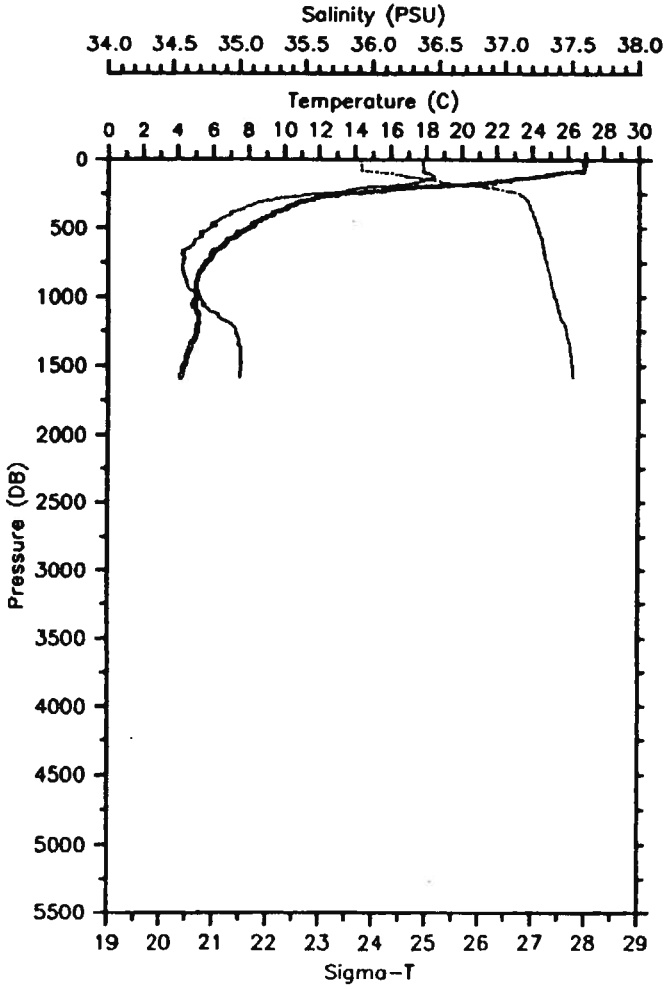


Prs	Tem	Sal	SigT
0	28.82	36.281	23.710
10	27.00	36.258	23.866
20	27.01	36.259	23.866
30	27.00	36.261	23.869
40	27.01	36.263	23.869
50	27.01	36.265	23.869
60	27.02	36.270	23.871
70	27.02	36.311	23.899
80	26.89	36.372	23.788
90	26.20	36.398	24.026
100	25.54	36.416	24.248
110	24.67	36.466	24.553
120	23.43	36.430	24.694
130	22.23	36.372	25.198
140	20.80	36.252	25.476
150	18.84	36.098	25.877
160	17.83	35.973	26.060
170	16.07	35.806	26.353
180	14.74	35.600	26.494
190	13.38	35.391	26.619
200	12.58	35.281	26.700
250	11.08	35.031	26.790
300	10.13	34.912	26.861
350	9.41	34.837	26.923
400	8.88	34.791	26.977
450	8.35	34.726	27.008
500	8.25	34.717	27.014
550	7.80	34.687	27.058
600	7.30	34.650	27.101
650	6.68	34.607	27.155
700	6.36	34.599	27.189
750	5.72	34.597	27.269
800	5.27	34.603	27.329
850	5.16	34.608	27.345
861	5.14	34.611	27.350

BAL-STACS38-91 CTD 34 BALDRIGE

Date 01 28 91 Latitude 7.803N

Time 1124 Z Longitude 52.665W

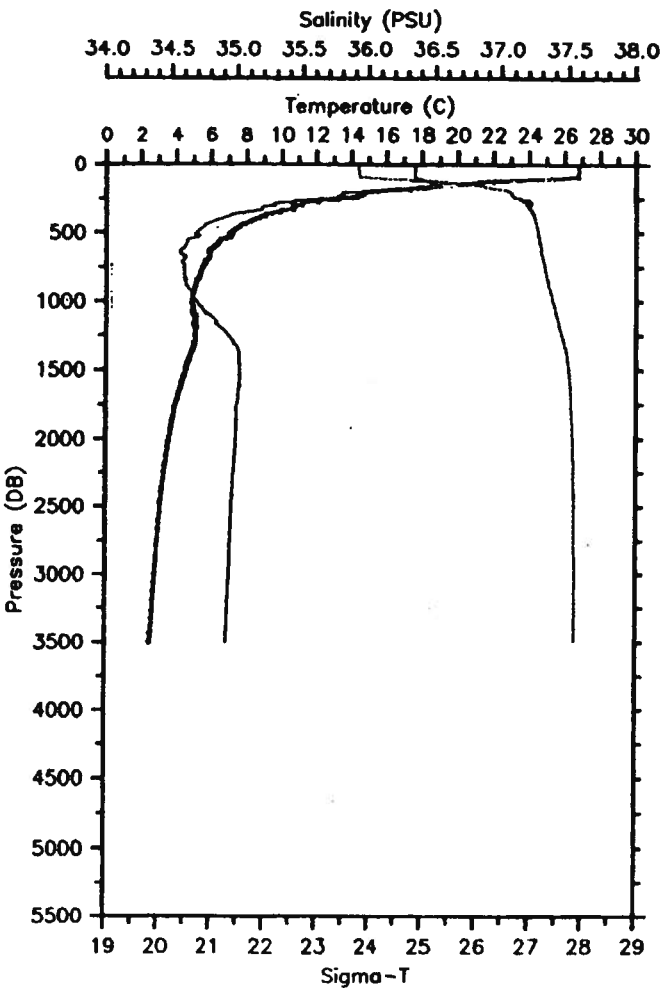


Prs	Tem	Sal	SigT
0	26.88	36.377	23.796
10	26.91	36.374	23.786
20	26.90	36.374	23.787
30	26.91	36.374	23.784
40	26.91	36.375	23.785
50	26.91	36.375	23.784
60	26.92	36.375	23.784
70	26.92	36.376	23.783
80	26.91	36.375	23.785
90	26.26	36.392	24.004
100	25.43	36.404	24.272
110	24.92	36.446	24.462
120	24.60	36.458	24.568
130	23.96	36.457	24.758
140	23.14	36.432	24.980
150	22.75	36.392	25.062
160	21.99	36.362	25.259
170	21.42	36.335	25.397
180	20.90	36.265	25.487
190	19.42	36.147	25.791
200	17.74	35.987	26.094
250	13.26	35.564	26.778
300	11.15	35.204	26.908
350	10.13	35.042	26.962
400	9.42	34.942	27.004
450	8.56	34.835	27.058
500	7.97	34.784	27.109
550	7.28	34.718	27.157
600	6.80	34.655	27.174
650	6.32	34.622	27.213
700	5.90	34.583	27.235
750	5.62	34.569	27.260
800	5.37	34.577	27.296
850	5.14	34.584	27.330
900	5.04	34.602	27.356
950	4.99	34.626	27.380
1000	5.12	34.698	27.422
1500	4.35	35.007	27.754
1567	4.17	35.000	27.769

BAL-STACS38-91 CTD 35 BALDRIGE

Date 01 28 91 Latitude 8.999N

Time 2220 Z Longitude 51.900W

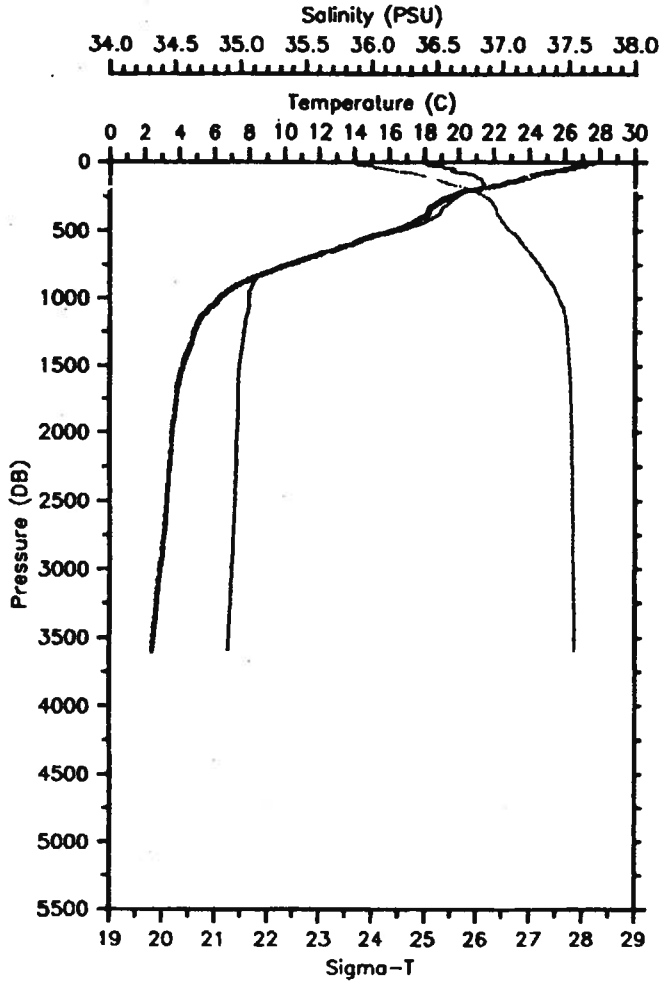


Prs	Tem	Sal	SigT
0	28.77	36.379	23.832
10	26.80	36.346	23.799
20	26.80	36.345	23.797
30	26.79	36.345	23.800
40	26.80	36.345	23.798
50	26.80	36.345	23.799
60	26.78	36.343	23.803
70	26.78	36.343	23.803
80	26.77	36.342	23.804
90	26.77	36.342	23.805
100	25.88	36.357	24.102
110	24.53	36.388	24.535
120	22.32	36.314	25.126
130	21.30	36.448	25.516
140	20.84	36.572	25.737
150	19.85	36.568	26.000
160	19.02	36.442	26.120
170	18.28	36.355	26.241
180	17.31	36.281	26.425
190	16.00	36.075	26.576
200	14.99	35.925	26.688
250	13.24	35.626	26.830
300	10.94	35.283	27.007
350	9.63	35.069	27.070
400	8.45	34.862	27.097
450	7.83	34.746	27.129
500	7.12	34.689	27.158
550	6.53	34.617	27.182
600	6.18	34.594	27.209
650	5.85	34.584	27.228
700	5.68	34.586	27.266
750	5.53	34.589	27.287
800	5.35	34.588	27.307
850	5.18	34.598	27.335
900	5.07	34.619	27.366
950	4.84	34.655	27.409
1000	4.84	34.691	27.438
1500	4.55	35.012	27.736
2000	3.60	34.985	27.816
2500	3.11	34.956	27.840
3000	2.83	34.940	27.853
3500	2.54	34.917	27.860
3504	2.54	34.917	27.860

BAL-STACS39-91 CTD 1 BALDRIGE

Date 06 15 91 Latitude 26.531N

Time 0155 Z Longitude 76.762W

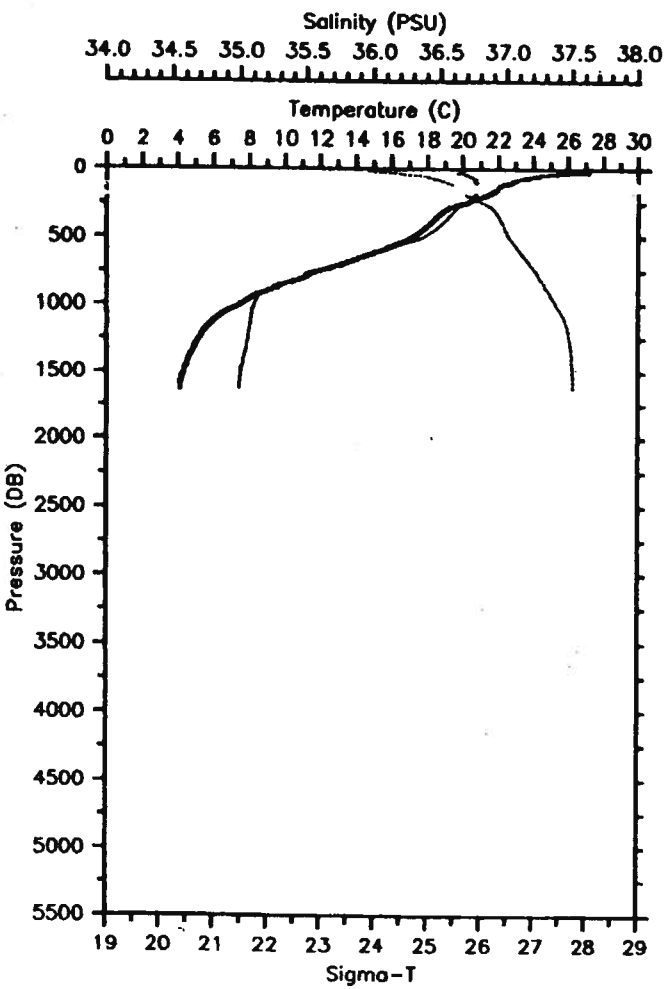


Prs	Tem	Sal	SigT
0	27.50	36.474	23.668
10	27.25	36.436	23.722
20	27.19	36.418	23.729
30	26.69	36.308	23.954
40	26.39	36.553	24.083
50	25.94	36.526	24.22*
60	25.45	36.607	24.418
70	25.15	36.643	24.539
80	24.54	36.729	24.792
90	24.25	36.764	24.906
100	24.07	36.793	24.981
110	23.81	36.805	25.067
120	23.55	36.841	25.172
130	23.22	36.849	25.274
140	22.93	36.851	25.359
150	22.69	36.861	25.437
160	22.32	36.859	25.541
170	22.01	36.865	25.633
180	21.63	36.874	25.748
190	21.22	36.826	25.824
200	20.77	36.762	25.915
250	19.48	36.649	26.165
300	18.72	36.585	26.305
350	18.26	36.529	26.379
400	17.84	36.477	26.444
450	17.17	36.373	26.529
500	16.12	36.208	26.650
550	14.75	35.975	26.779
600	13.78	35.835	26.879
650	12.70	35.675	26.977
700	11.31	35.476	27.090
750	10.12	35.320	27.182
800	9.12	35.209	27.263
850	8.17	35.125	27.346
900	7.32	35.101	27.454
950	6.78	35.068	27.506
1000	6.30	35.063	27.563
1500	4.21	34.990	27.756
2000	3.59	34.972	27.806
2500	3.28	34.957	27.825
3000	2.93	34.936	27.841
3500	2.54	34.913	27.857
3599	2.45	34.908	27.861

BAL-STACS39-91 CTD 2 BALDRIGE

Date 06 15 91 Latitude 26.500N

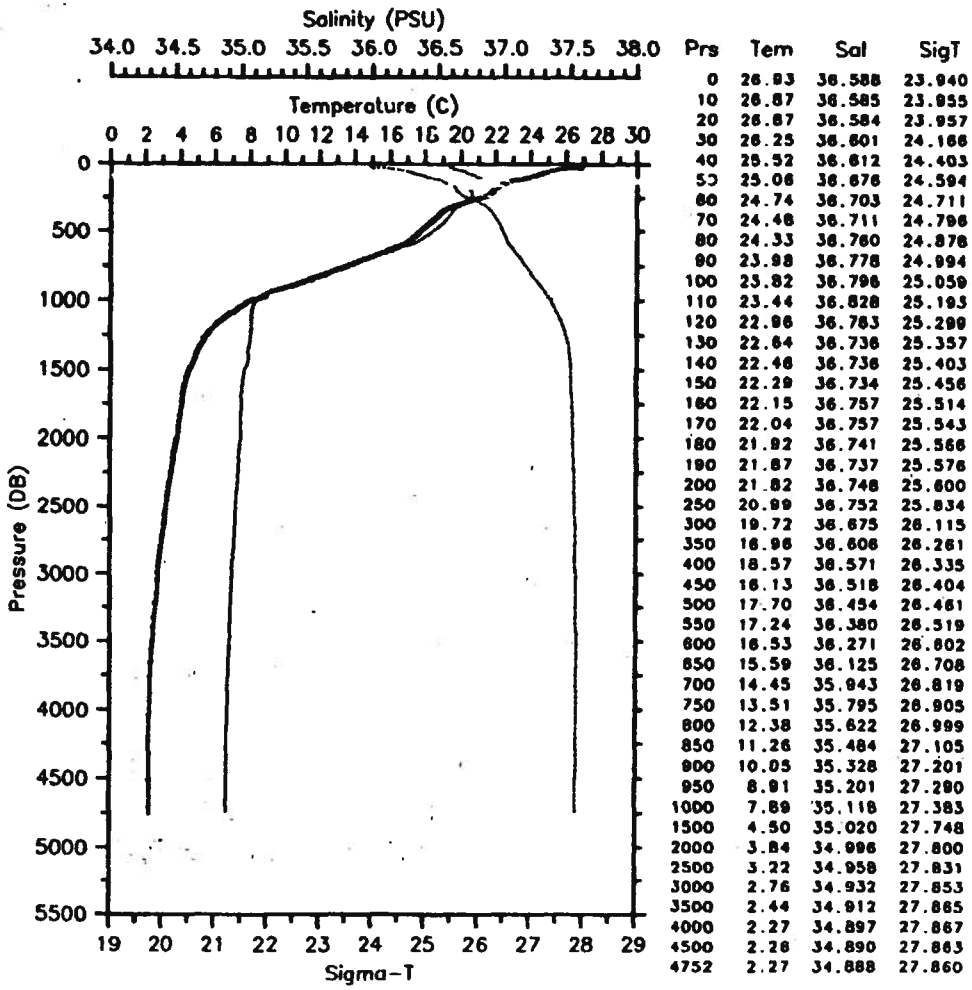
Time 0715 Z Longitude 76.351W



Prs	Tem	Sal	SigT
0	27.00	36.818	24.090
10	27.18	36.666	23.917
20	27.10	36.666	23.941
30	25.59	36.631	24.394
40	24.90	36.704	24.662
50	24.[illegible]	36.715	24.839
60	23.78	36.731	25.025
70	23.43	36.762	25.146
80	23.09	36.749	25.238
90	22.80	36.758	25.327
100	22.60	36.775	25.397
110	22.31	36.763	25.473
120	22.11	36.750	25.519
130	22.07	36.756	25.533
140	22.00	36.777	25.571
150	21.90	36.776	25.597
160	21.77	36.774	25.631
170	21.67	36.776	25.662
180	21.46	36.757	25.708
190	21.30	36.751	25.747
200	21.07	36.744	25.805
250	19.92	36.697	26.079
300	18.98	36.609	26.259
350	18.50	36.581	26.344
400	18.09	36.509	26.407
450	17.68	36.448	26.467
500	17.11	36.386	26.538
550	16.17	36.216	26.644
600	15.22	36.084	26.746
650	14.11	35.873	26.838
700	13.16	35.731	26.928
750	11.80	35.544	27.052
800	11.05	35.450	27.118
850	9.79	35.281	27.208
900	8.99	35.204	27.281
950	8.13	35.129	27.357
1000	7.50	35.102	27.429
1500	4.36	35.005	27.752
1630	4.13	34.992	27.766

BAL-STACS39-91 CTD 3 BALDRIGE

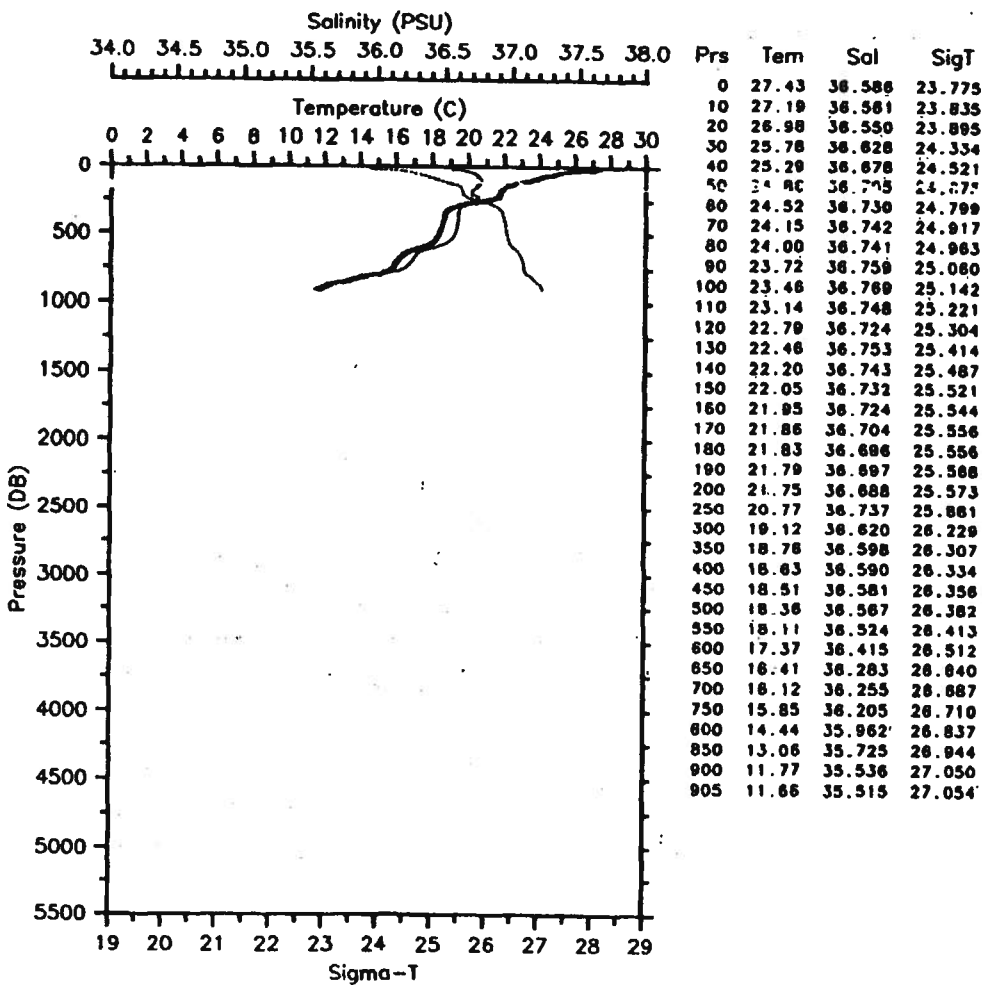
Date 06 15 91 Latitude 26.510N
Time 1410 Z Longitude 75.692W



Prs	Tem	Sal	SigT
0	26.83	36.588	23.940
10	26.87	36.585	23.955
20	26.87	36.584	23.957
30	26.25	36.601	24.166
40	25.52	36.612	24.403
50	25.06	36.676	24.594
60	24.74	36.703	24.711
70	24.46	36.711	24.796
80	24.33	36.760	24.876
90	23.98	36.778	24.994
100	23.82	36.796	25.059
110	23.44	36.828	25.193
120	22.86	36.783	25.299
130	22.64	36.736	25.357
140	22.46	36.736	25.403
150	22.29	36.734	25.456
160	22.15	36.757	25.514
170	22.04	36.757	25.543
180	21.92	36.741	25.566
190	21.87	36.737	25.576
200	21.82	36.748	25.600
250	20.89	36.752	25.834
300	19.72	36.675	26.115
350	18.96	36.606	26.261
400	18.57	36.571	26.335
450	18.13	36.518	26.404
500	17.70	36.454	26.461
550	17.24	36.380	26.519
600	16.53	36.271	26.602
650	15.59	36.125	26.708
700	14.45	35.943	26.819
750	13.51	35.795	26.905
800	12.38	35.622	26.999
850	11.26	35.484	27.105
900	10.05	35.328	27.201
950	8.91	35.201	27.290
1000	7.89	35.118	27.383
1500	4.50	35.020	27.748
2000	3.84	34.996	27.800
2500	3.22	34.958	27.831
3000	2.76	34.932	27.853
3500	2.44	34.912	27.865
4000	2.27	34.897	27.867
4500	2.26	34.890	27.863
4752	2.27	34.888	27.860

BAL-STACS39-91 CTD 4 BALDRIGE

Date 06 15 91 Latitude 26.487N
Time 1931 Z Longitude 75.198W

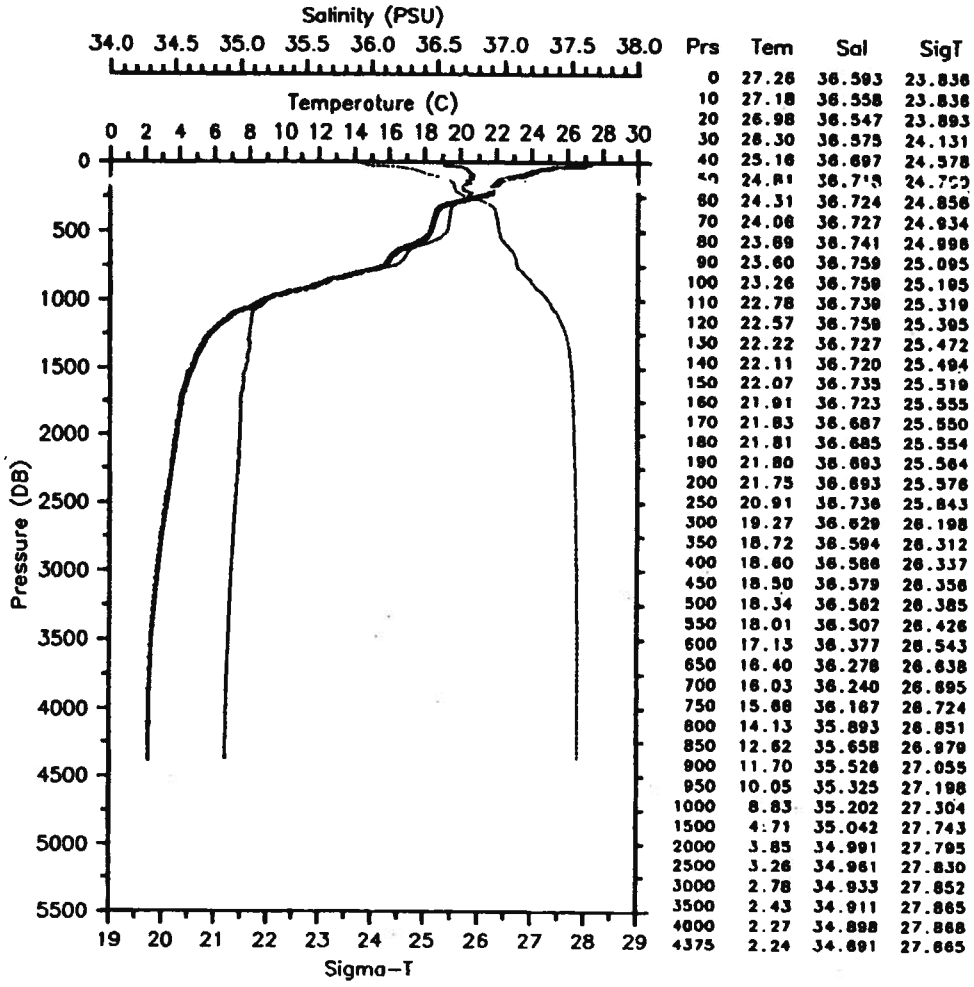


Prs	Tem	Sal	SigT
0	27.43	36.586	23.775
10	27.19	36.581	23.835
20	26.98	36.550	23.895
30	25.78	36.628	24.334
40	25.29	36.678	24.521
50	24.90	36.705	24.675
60	24.52	36.730	24.799
70	24.15	36.742	24.917
80	24.00	36.741	24.963
90	23.72	36.759	25.080
100	23.46	36.769	25.142
110	23.14	36.748	25.221
120	22.79	36.724	25.304
130	22.46	36.753	25.414
140	22.20	36.743	25.487
150	22.05	36.732	25.521
160	21.95	36.724	25.544
170	21.86	36.704	25.556
180	21.83	36.696	25.556
190	21.79	36.697	25.588
200	21.75	36.688	25.573
250	20.77	36.737	25.881
300	19.12	36.620	26.229
350	18.76	36.598	26.307
400	18.63	36.590	26.334
450	18.51	36.581	26.356
500	18.36	36.567	26.382
550	18.11	36.524	26.413
600	17.37	36.415	26.512
650	16.41	36.283	26.640
700	16.12	36.255	26.687
750	15.85	36.205	26.710
800	14.44	35.962	26.837
850	13.06	35.725	26.944
900	11.77	35.536	27.050
905	11.66	35.515	27.054

„BAL-STACS39-91 CTD 5 BALDRIGE

Date 06 15 91 Latitude 26.479N

Time 2304 Z Longitude 75.205W

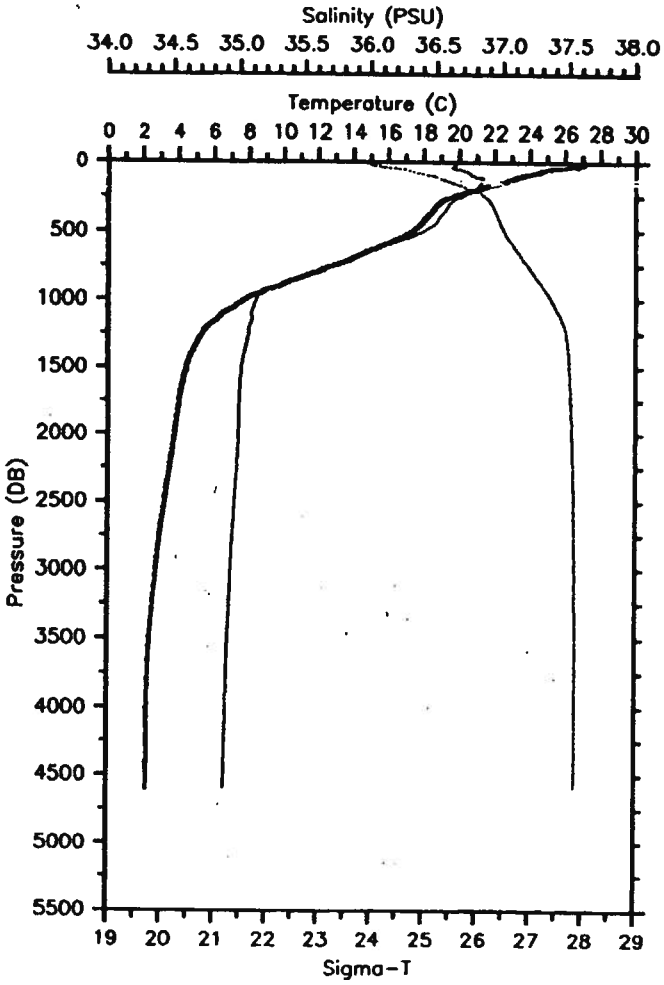


Prs	Tem	Sal	SigT
0	27.26	36.593	23.836
10	27.18	36.558	23.838
20	26.98	36.547	23.893
30	26.30	36.575	24.131
40	25.16	36.697	24.578
50	24.81	36.718	24.709
60	24.31	36.724	24.856
70	24.08	36.727	24.934
80	23.89	36.741	24.998
90	23.60	36.759	25.095
100	23.26	36.759	25.195
110	22.78	36.739	25.319
120	22.57	36.758	25.395
130	22.22	36.727	25.472
140	22.11	36.720	25.494
150	22.07	36.735	25.519
160	21.91	36.723	25.555
170	21.83	36.687	25.550
180	21.81	36.685	25.554
190	21.80	36.693	25.564
200	21.75	36.693	25.576
250	20.91	36.736	25.843
300	19.27	36.629	26.198
350	18.72	36.594	26.312
400	18.60	36.586	26.337
450	18.50	36.579	26.356
500	18.34	36.562	26.385
550	18.01	36.507	26.426
600	17.13	36.377	26.543
650	16.40	36.278	26.638
700	16.03	36.240	26.695
750	15.68	36.167	26.724
800	14.13	35.893	26.851
850	12.62	35.658	26.979
900	11.70	35.526	27.055
950	10.05	35.325	27.198
1000	8.83	35.202	27.304
1500	4.71	35.042	27.743
2000	3.85	34.991	27.795
2500	3.26	34.961	27.830
3000	2.78	34.933	27.852
3500	2.43	34.911	27.865
4000	2.27	34.898	27.868
4375	2.24	34.891	27.865

BAL-STACS39-91 CTD 6 BALDRIGE

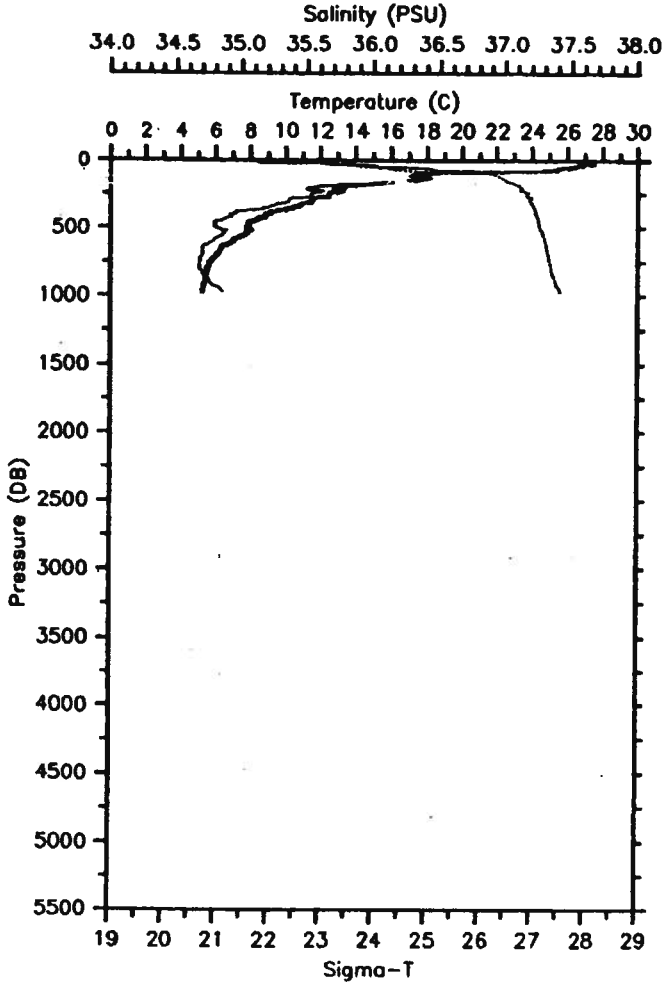
Date 06 16 91 Latitude 26.478N

Time 0600 Z Longitude 74.200W



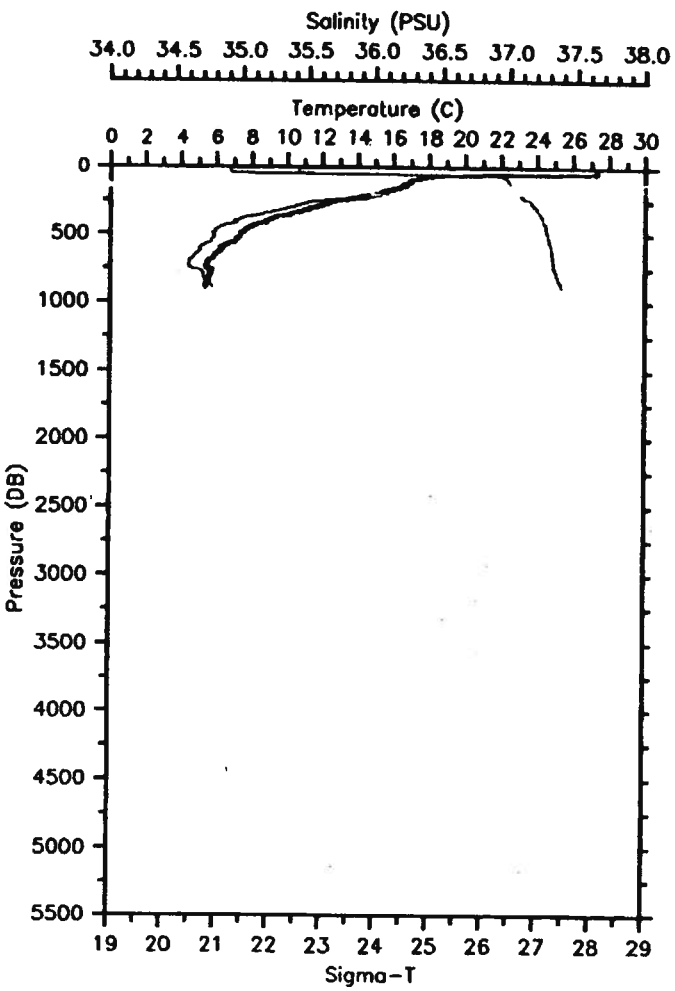
Prs	Tem	Sal	SigT
0	27.02	36.652	23.959
10	27.05	36.635	23.938
20	26.81	36.641	24.016
30	26.48	36.637	24.127
40	25.64	36.616	24.305
50	25.04	36.649	24.578
60	24.64	36.698	24.738
70	24.48	36.732	24.817
80	24.13	36.749	24.930
90	23.72	36.756	25.056
100	23.43	36.788	25.167
110	23.26	36.825	25.244
120	22.98	36.845	25.343
130	22.71	36.834	25.411
140	22.43	36.832	25.490
150	22.17	36.833	25.565
160	21.89	36.819	25.634
170	21.58	36.818	25.718
180	21.35	36.812	25.778
190	21.14	36.807	25.833
200	20.78	36.798	25.924
250	19.55	36.689	26.171
300	18.83	36.597	26.287
350	18.49	36.562	26.348
400	18.12	36.518	26.408
450	17.80	36.475	26.453
500	17.31	36.396	26.513
550	16.82	36.280	26.588
600	15.80	36.113	26.698
650	14.71	35.965	26.781
700	13.85	35.840	26.868
750	12.79	35.684	26.966
800	11.73	35.539	27.060
850	10.70	35.406	27.147
900	9.75	35.300	27.230
950	8.64	35.192	27.326
1000	7.75	35.126	27.410
1500	4.44	35.012	27.749
2000	3.78	34.987	27.799
2500	3.23	34.959	27.830
3000	2.75	34.932	27.853
3500	2.40	34.909	27.866
4000	2.26	34.896	27.867
4500	2.21	34.886	27.863
4598	2.20	34.882	27.861

BAL-STACS39-91 CTD 7 BALDRIGE
Date 06 20 91 Latitude 11.795N
Time 0615 Z Longitude 61.512W



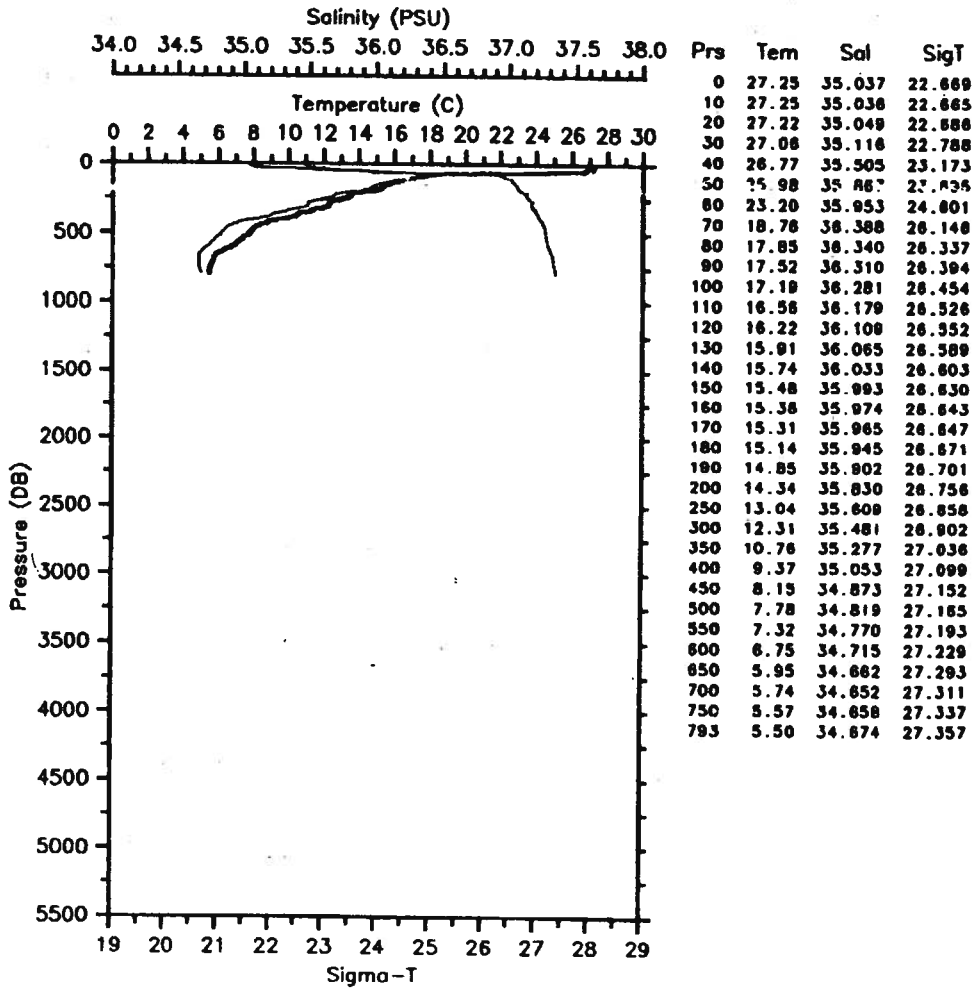
Prs	Tem	Sal	SigT
0	27.50	33.650	21.551
10	27.50	35.066	22.608
20	27.43	35.223	22.751
30	26.88	35.820	23.376
40	26.45	36.014	23.660
50	26.18	36.035	23.787
60	25.47	36.397	24.255
70	25.11	36.469	24.419
80	24.65	36.660	24.708
90	19.67	36.377	25.902
100	18.18	36.307	26.230
110	17.78	36.290	26.315
120	17.56	36.288	26.369
130	17.70	36.418	26.434
140	17.55	36.419	26.472
150	17.19	36.359	26.514
160	16.28	36.169	26.583
170	15.45	36.010	26.651
180	14.53	35.821	26.709
190	13.52	35.622	26.770
200	13.15	35.555	26.793
250	12.49	35.524	26.901
300	11.51	35.354	26.958
350	10.24	35.177	27.049
400	8.86	34.925	27.083
450	8.11	34.818	27.115
500	7.80	34.801	27.147
550	7.70	34.854	27.203
600	6.99	34.779	27.247
650	6.32	34.698	27.274
700	6.08	34.696	27.305
750	5.70	34.674	27.333
800	5.51	34.674	27.356
850	5.43	34.709	27.394
900	5.38	34.757	27.438
950	5.28	34.836	27.513
973	5.26	34.854	27.530

BAL-STACS39-91 CTD 8 BALDRIGE
Date 06 20 91 Latitude 11.615N
Time 1002 Z Longitude 61.018W



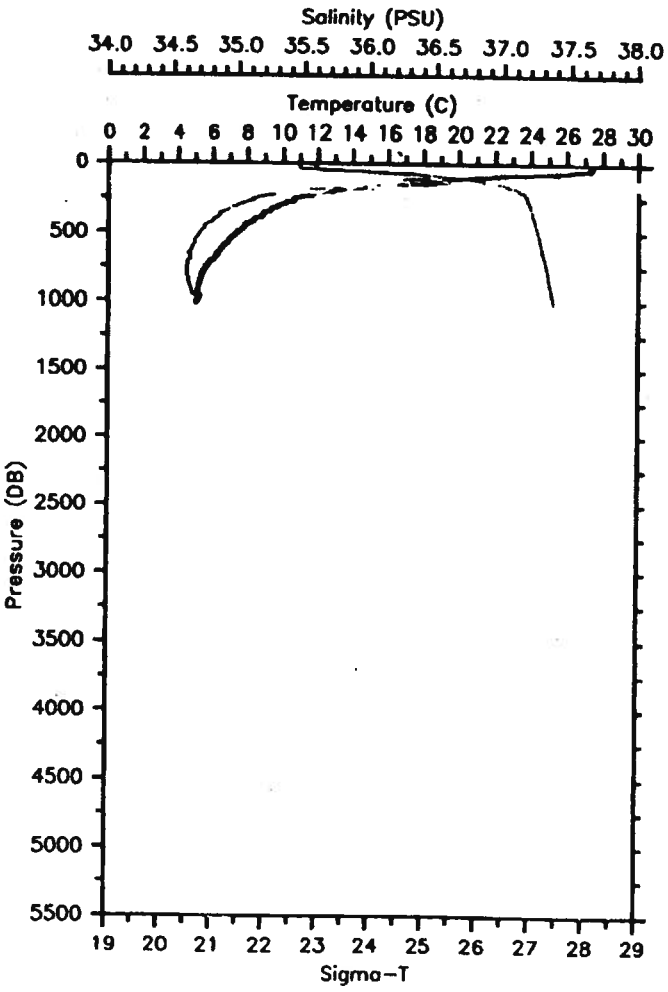
Prs	Tem	Sal	SigT
0	27.23	34.851	22.535
10	27.31	34.901	22.548
20	27.31	34.902	22.547
30	27.32	34.904	22.545
40	27.28	34.912	22.562
50	25.90	35.448	23.410
60	19.84	36.382	25.848
70	18.17	36.469	26.358
80	17.56	36.339	26.409
90	17.18	36.274	26.450
100	17.02	36.243	26.464
110	16.98	36.242	26.473
120	16.79	36.202	26.488
130	16.73	36.190	26.494
140	16.66	36.177	26.499
150	16.39	36.138	26.533
160	16.19	36.106	26.555
170	15.88	36.056	26.590
180	15.79	36.035	26.594
190	15.69	36.020	26.606
200	15.19	35.947	26.661
250	12.83	35.572	26.871
300	11.39	35.354	26.961
350	10.16	35.147	27.040
400	8.76	34.936	27.107
450	7.84	34.821	27.157
500	7.37	34.777	27.191
550	7.05	34.757	27.221
600	6.26	34.667	27.258
650	5.91	34.634	27.276
700	5.49	34.594	27.295
750	5.44	34.613	27.316
800	5.62	34.693	27.358
850	5.42	34.741	27.420
883	5.37	34.768	27.448

BAL-STACS39-91 CTD 9 BALDRIGE
Date 06 20 91 Latitude 11.421N
Time 1328 Z Longitude 60.539W



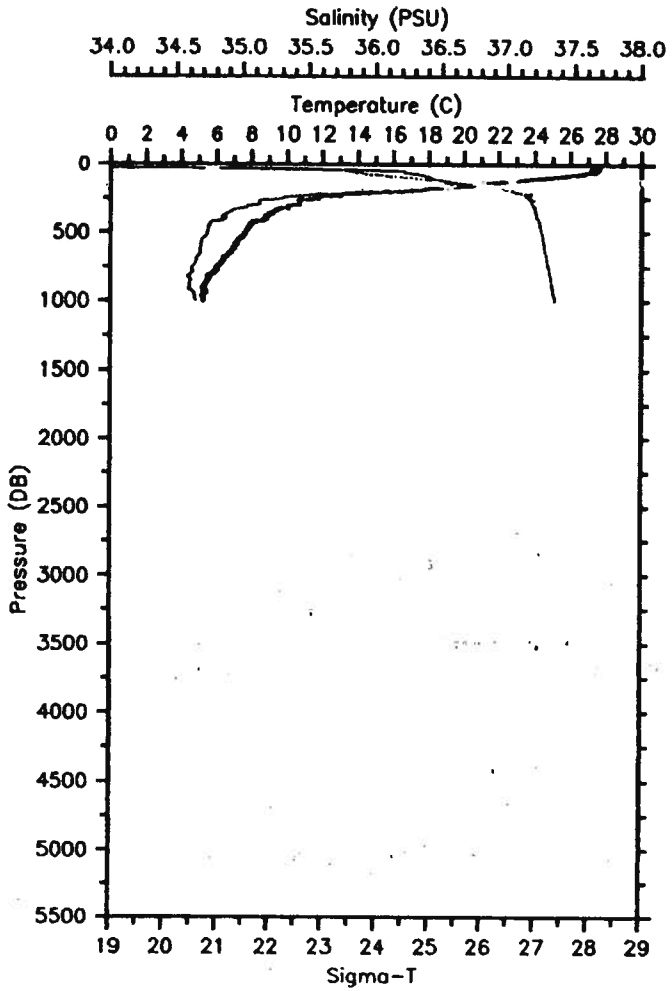
Prs	Tem	Sal	SigT
0	27.25	35.037	22.669
10	27.25	35.036	22.665
20	27.22	35.049	22.686
30	27.08	35.116	22.788
40	26.77	35.505	23.173
50	25.98	35.867	23.836
60	23.20	35.953	24.801
70	18.78	36.388	26.148
80	17.85	36.340	26.337
90	17.52	36.310	26.394
100	17.18	36.281	26.454
110	16.56	36.179	26.526
120	16.22	36.108	26.552
130	15.91	36.065	26.589
140	15.74	36.033	26.603
150	15.48	35.993	26.630
160	15.38	35.974	26.643
170	15.31	35.965	26.647
180	15.14	35.945	26.671
190	14.85	35.902	26.701
200	14.34	35.830	26.756
250	13.04	35.609	26.858
300	12.31	35.481	26.902
350	10.76	35.277	27.036
400	9.37	35.053	27.099
450	8.15	34.873	27.152
500	7.78	34.819	27.165
550	7.32	34.770	27.193
600	6.75	34.715	27.229
650	5.95	34.662	27.293
700	5.74	34.652	27.311
750	5.57	34.658	27.337
793	5.50	34.674	27.357

BAL-STACS39-91 CTD 10 BALDRIGE
Date 06 20 91 Latitude 10.669N
Time 2024 Z Longitude 59.505W



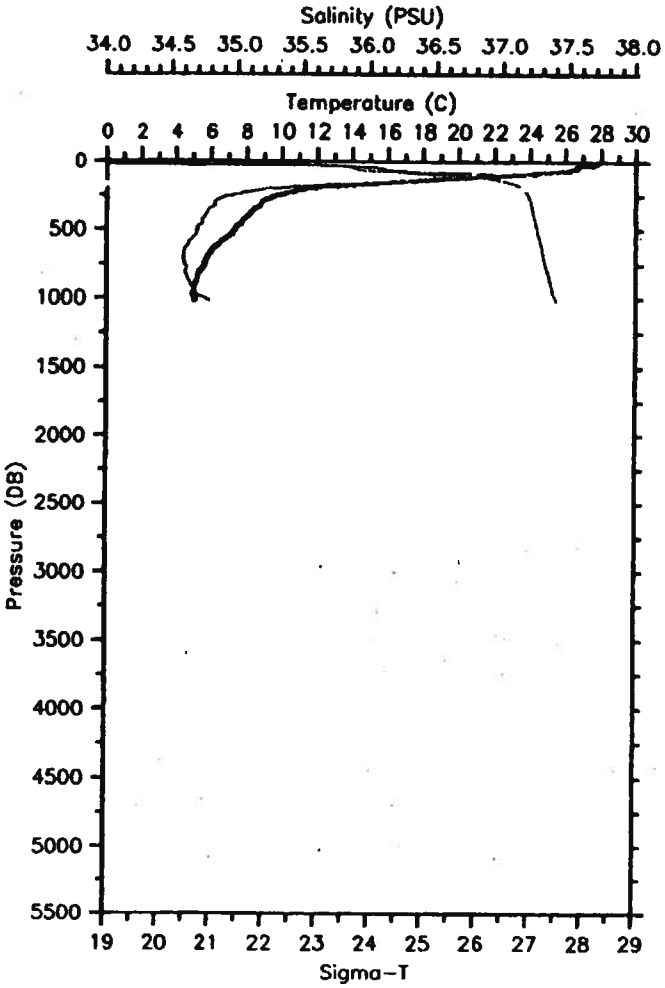
Prs	Tem	Sal	SigT
0	27.43	35.415	22.894
10	27.44	35.459	22.925
20	27.40	35.461	22.938
30	27.33	35.460	22.960
40	27.22	35.488	23.017
50	25.47	35.783	23.479
60	24.04	36.145	23.887
70	24.90	36.353	24.397
80	22.69	36.426	25.106
90	21.73	36.445	25.394
100	20.87	36.415	25.609
110	19.21	36.248	25.921
120	19.37	36.475	26.056
130	18.84	36.453	26.173
140	18.40	36.397	26.244
150	18.67	36.151	26.477
160	15.66	35.953	26.560
170	15.14	35.840	26.590
180	13.91	35.673	26.727
190	13.14	35.532	26.779
200	12.68	35.442	26.803
250	10.71	35.128	26.928
300	9.81	34.991	26.978
350	9.02	34.877	27.020
400	8.42	34.801	27.054
450	7.83	34.738	27.094
500	7.39	34.703	27.130
550	6.98	34.665	27.158
600	6.61	34.642	27.189
650	6.28	34.612	27.213
700	6.01	34.625	27.255
750	5.62	34.596	27.281
800	5.44	34.602	27.307
850	5.27	34.605	27.330
900	5.18	34.621	27.354
950	5.07	34.632	27.375
1000	5.16	34.689	27.411
1014	5.05	34.683	27.419

BAL-STACS39-91 CTD 11 BALDRIGE
Date 06 21 91 Latitude 9.296N
Time 0909 Z Longitude 57.507W



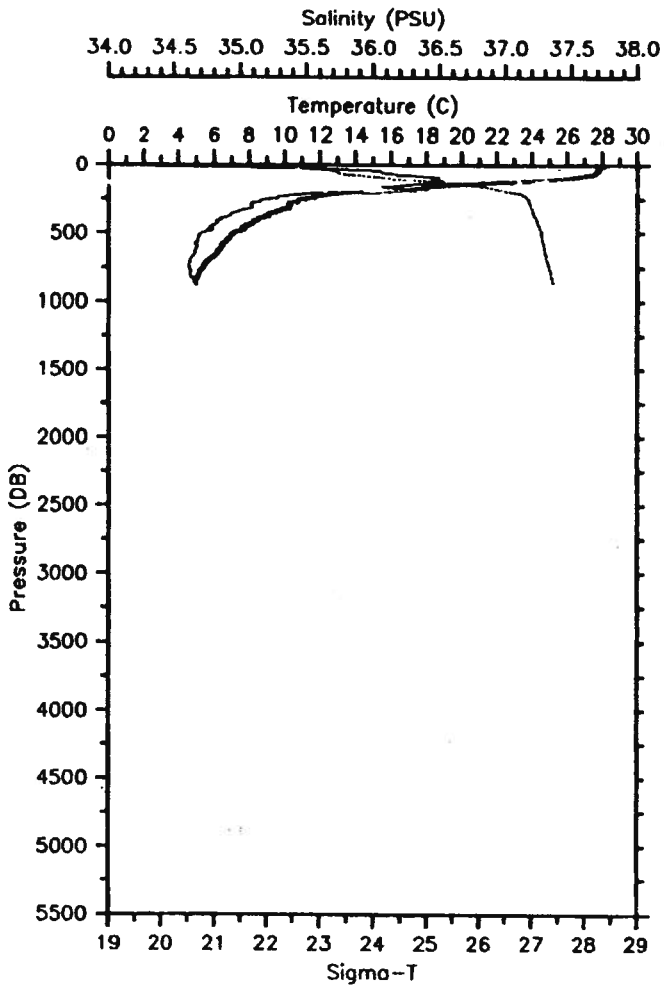
Prs	Tem	Sal	SigT
0	27.53	33.249	21.234
10	27.57	33.223	21.201
20	27.63	33.389	21.306
30	27.30	34.424	22.191
40	27.49	35.538	22.987
50	27.46	36.162	23.4[illegible]
60	27.03	36.218	23.628
70	26.63	36.284	23.805
80	25.95	36.354	24.072
90	25.21	36.382	24.324
100	24.43	36.424	24.594
110	23.64	36.435	24.839
120	22.89	36.481	25.062
130	22.16	36.575	25.371
140	21.09	36.535	25.639
150	20.68	36.697	25.877
160	20.05	36.738	26.076
170	19.08	36.611	26.234
180	17.97	36.445	26.387
190	17.08	36.271	26.471
200	15.70	36.010	26.595
250	11.77	35.304	26.869
300	10.48	35.109	26.954
350	9.26	34.906	27.003
400	8.82	34.874	27.049
450	7.94	34.740	27.079
500	7.64	34.731	27.115
550	7.25	34.694	27.144
600	7.03	34.682	27.164
650	6.76	34.674	27.198
700	6.42	34.644	27.218
750	6.03	34.611	27.243
800	5.80	34.605	27.266
850	5.51	34.598	27.296
900	5.28	34.589	27.317
950	5.31	34.630	27.345
1000	5.24	34.643	27.363
1002	5.25	34.644	27.364

BAL-STACS39-91 CTD 12 BALDRIGE
Date 06 21 91 Latitude 8.032N
Time 2109 Z Longitude 55.503W



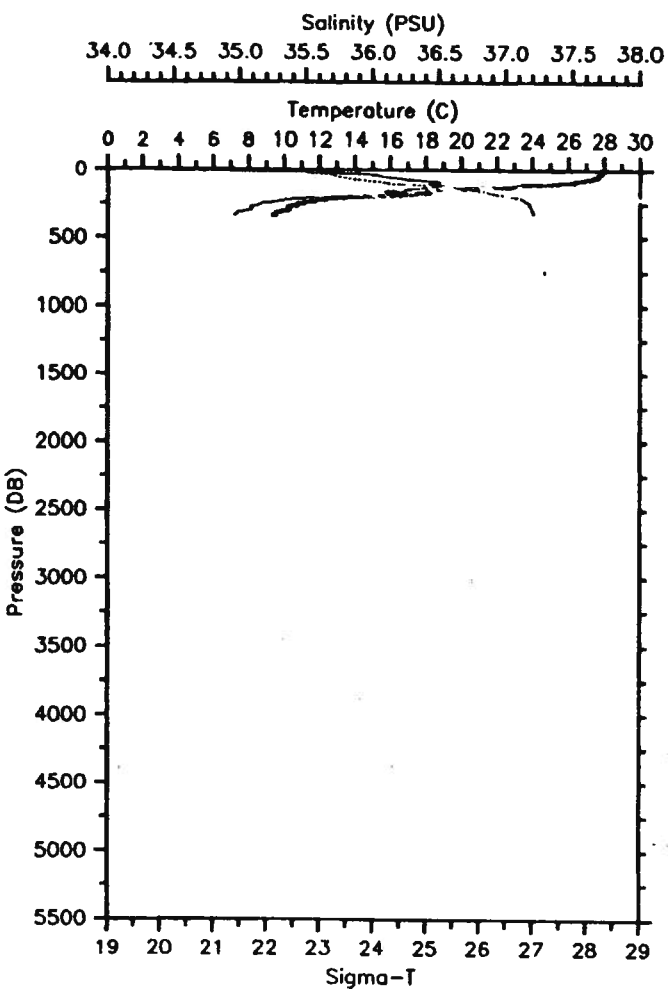
Prs	Tem	Sal	SigT
0	27.79	33.184	21.098
10	27.74	33.186	21.119
20	27.57	33.631	21.506
30	26.90	35.459	23.098
40	26.61	35.977	23.581
50	26.[illegible]	36.[illegible]	23.884
60	26.29	36.087	23.788
70	25.67	36.216	24.055
80	24.56	36.384	24.523
90	24.18	36.834	24.977
100	22.88	36.922	25.427
110	21.28	36.816	25.874
120	20.17	36.821	26.109
130	18.63	36.603	26.344
140	17.84	36.467	26.437
150	16.59	36.258	26.578
160	15.46	36.047	26.673
170	14.07	35.723	26.733
180	13.15	35.561	26.797
190	12.19	35.391	26.857
200	11.51	35.248	26.874
250	9.79	34.984	26.960
300	8.85	34.826	27.008
350	8.43	34.788	27.042
400	8.10	34.756	27.068
450	7.73	34.733	27.105
500	7.28	34.693	27.136
550	6.95	34.671	27.168
600	6.48	34.631	27.198
650	6.02	34.591	27.228
700	5.80	34.587	27.251
750	5.57	34.592	27.284
800	5.39	34.605	27.317
850	5.23	34.618	27.346
900	5.08	34.640	27.381
950	5.00	34.675	27.418
1000	5.05	34.750	27.471
1020	5.08	34.792	27.504

BAL-STACS39-91 CTD 13 BALDRIGE
Date 06 22 91 Latitude 7.476N
Time 1046 Z Longitude 52.941W



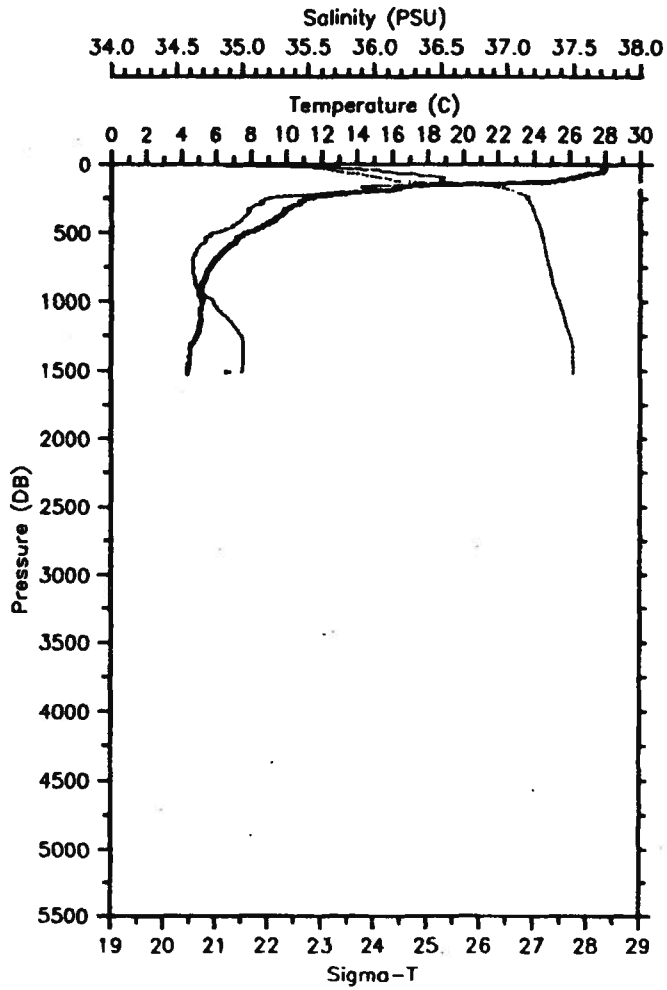
Prs	Tem	Sal	SigT
0	28.16	29.502	18.216
10	27.93	33.710	21.448
20	27.80	34.979	22.447
30	27.86	35.596	22.889
40	27.74	35.870	23.211
50	27.67	36.064	23.364
60	27.57	36.099	23.364
70	27.40	36.177	23.478
80	26.85	36.328	23.768
90	26.29	36.486	24.064
100	25.57	36.460	24.272
110	24.39	36.458	24.631
120	23.18	36.530	25.044
130	21.17	36.484	25.560
140	19.89	36.324	25.802
150	19.09	36.212	25.927
160	17.89	36.063	26.114
170	17.79	36.212	26.255
180	17.18	36.139	26.346
190	16.01	36.010	26.523
200	14.44	35.745	26.670
250	11.03	35.213	26.937
300	10.29	35.093	26.975
350	9.34	34.988	27.038
400	8.53	34.851	27.075
450	7.90	34.789	27.123
500	7.17	34.713	27.169
550	6.79	34.680	27.196
600	6.47	34.677	27.236
650	6.19	34.654	27.254
700	5.67	34.618	27.292
750	5.39	34.613	27.323
800	5.16	34.617	27.353
850	5.01	34.648	27.386
870	5.01	34.654	27.400

BAL-STACS39-91 CTD 14 BALDRIGE
Date 06 22 91 Latitude 7.446N
Time 1239 Z Longitude 52.950W



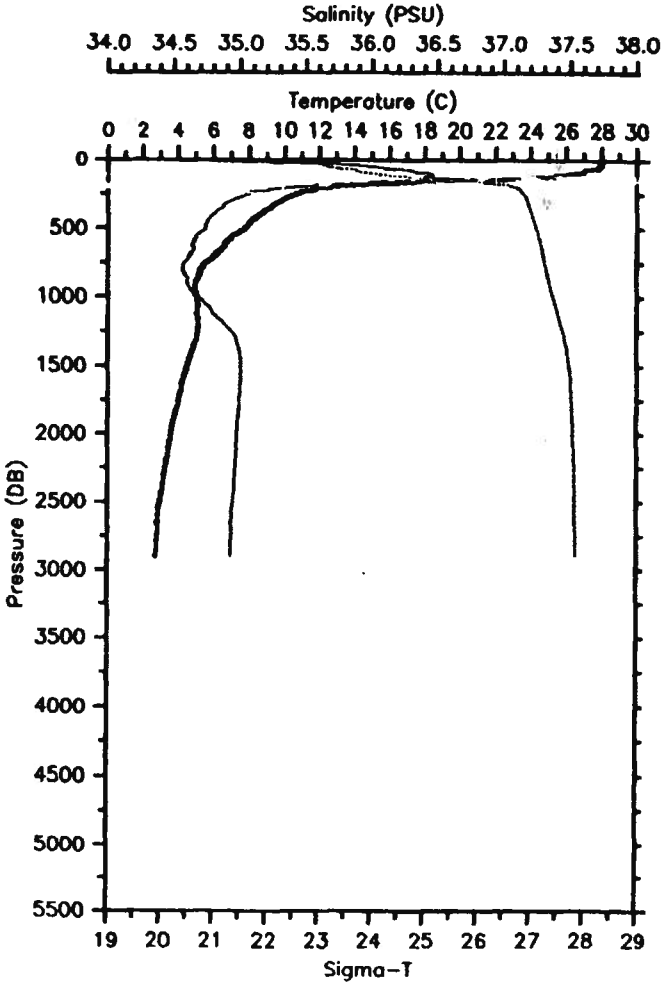
Prs	Tem	Sal	SigT
0	28.02	33.728	21.434
10	27.84	34.761	22.269
20	27.83	35.465	22.801
30	27.80	35.882	23.127
40	27.72	36.040	23.270
50	27.63	36.076	23.320
60	27.38	36.182	23.489
70	27.04	36.264	23.659
80	26.63	36.376	23.875
90	26.24	36.514	24.101
100	25.42	36.442	24.306
110	23.85	36.466	24.707
120	23.10	36.538	25.073
130	21.31	36.462	25.523
140	19.89	36.321	25.775
150	19.18	36.220	25.915
160	18.12	36.116	26.098
170	18.00	36.243	26.225
180	17.26	36.156	26.340
190	16.18	36.034	26.504
200	14.29	35.737	26.696
250	10.79	35.160	26.938
300	10.18	35.077	26.982
337	9.35	34.951	27.023

BAL-STACS39-91 CTD 15 BALDRIGE
Date 06 22 91 Latitude 7.793N
Time 1519 Z Longitude 52.660W



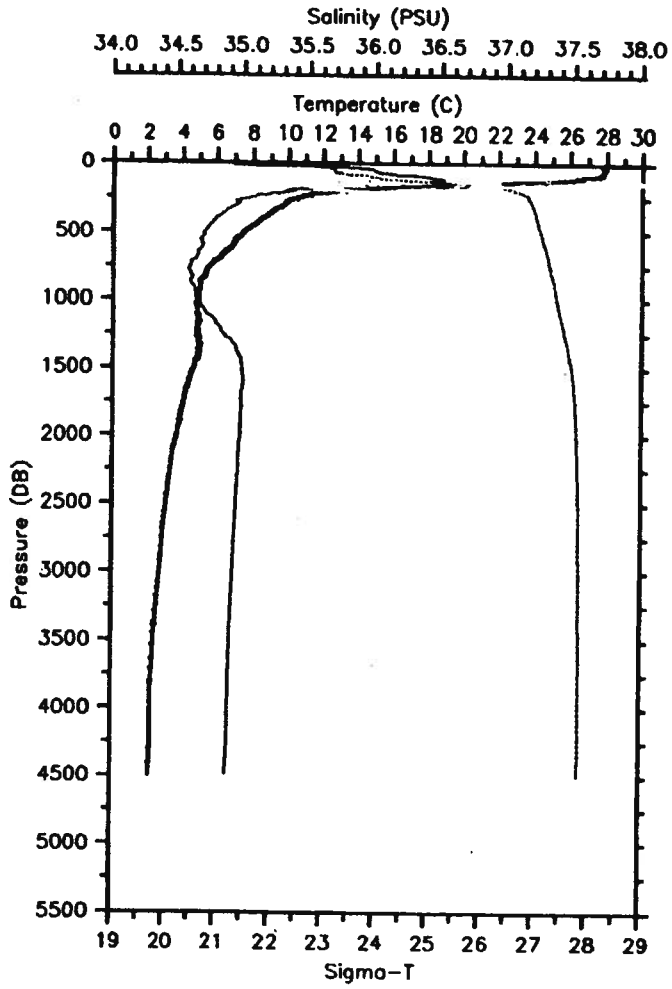
Prs	Tem	Sal	SigT
0	27.90	34.832	22.303
10	27.79	34.835	22.342
20	27.96	35.495	22.781
30	28.00	35.699	22.922
40	27.98	35.990	23.154
50	27.84	36.049	23.237
60	27.60	36.137	23.382
70	27.02	36.262	23.684
80	26.79	36.331	23.789
90	28.56	36.479	23.975
100	26.20	36.531	24.127
110	25.73	36.515	24.264
120	25.31	36.495	24.378
130	23.93	36.508	24.605
140	21.67	36.571	25.508
150	19.48	36.305	25.897
160	17.36	35.988	26.187
170	16.49	35.975	26.385
180	16.13	36.015	26.500
190	15.72	35.978	26.564
200	14.61	35.814	26.688
250	11.23	35.208	26.895
300	10.44	35.118	26.967
350	9.98	35.062	27.005
400	9.44	35.008	27.052
450	8.68	34.917	27.105
500	7.83	34.792	27.136
550	7.24	34.724	27.188
600	6.78	34.676	27.197
650	6.34	34.644	27.227
700	5.98	34.623	27.257
750	5.70	34.626	27.295
800	5.48	34.631	27.325
850	5.35	34.649	27.358
900	5.12	34.654	27.388
950	5.12	34.713	27.434
1000	5.20	34.778	27.476
1500	4.43	35.009	27.747
1521	4.38	35.007	27.751

BAL-STACS39-91 CTD 16 BALDRIGE
Date 06 22 91 Latitude 8.106N
Time 1845 Z Longitude 52.458W



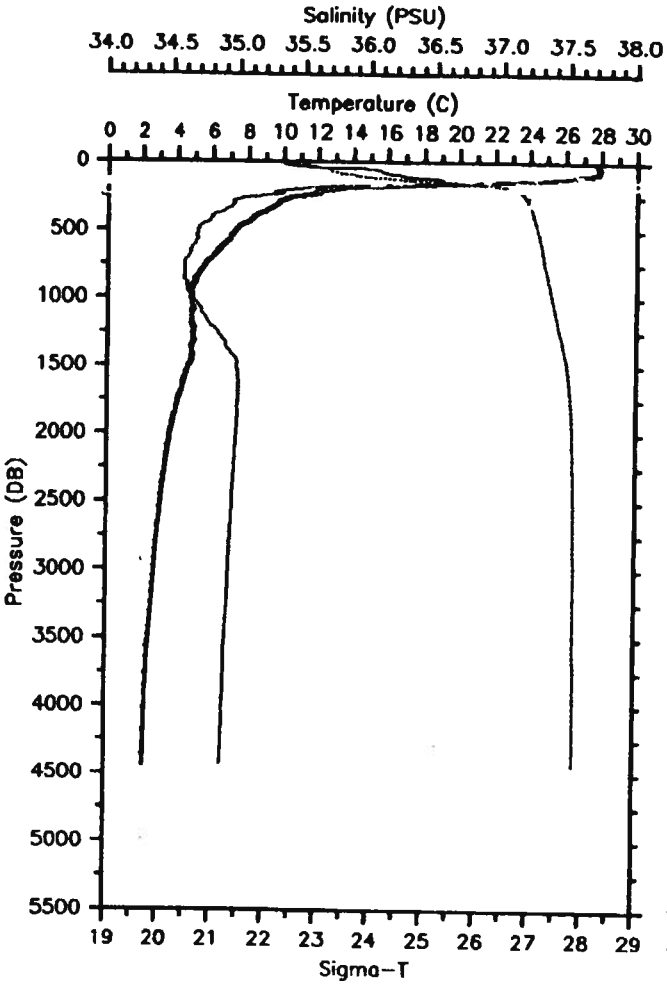
Prs	Tem	Sal	SigT
0	27.86	34.838	22.319
10	27.91	34.797	22.274
20	27.91	35.342	22.683
30	27.98	35.726	22.955
40	27.97	35.900	23.088
50	27.89	35.915	23.125
60	27.81	36.096	23.285
70	27.05	36.249	23.845
80	27.01	36.315	23.707
90	28.77	36.357	23.817
100	26.24	36.439	24.045
110	25.48	36.466	24.308
120	24.60	36.433	24.548
130	23.19	36.436	24.968
140	22.13	36.654	25.441
150	18.91	36.285	26.029
160	17.32	35.987	26.196
170	16.47	35.965	26.382
180	14.67	35.716	26.597
190	13.68	35.500	26.641
200	12.68	35.396	26.765
250	10.62	35.059	26.891
300	9.77	34.940	26.943
350	9.21	34.878	26.989
400	8.58	34.798	27.027
450	8.08	34.751	27.067
500	7.78	34.743	27.104
550	7.10	34.672	27.147
600	6.76	34.657	27.182
650	6.51	34.651	27.211
700	6.00	34.614	27.248
750	5.58	34.578	27.272
800	5.26	34.575	27.308
850	5.21	34.600	27.334
900	5.02	34.606	27.360
950	4.86	34.633	27.389
1000	5.05	34.687	27.422
1500	4.56	35.008	27.733
2000	3.64	34.982	27.809
2500	3.02	34.950	27.843
2901	2.76	34.932	27.853

BAL-STACS39-91 CTD 17 BALDRIGE
Date 06 23 91 Latitude 8.535N
Time 0202 Z Longitude 52.179W



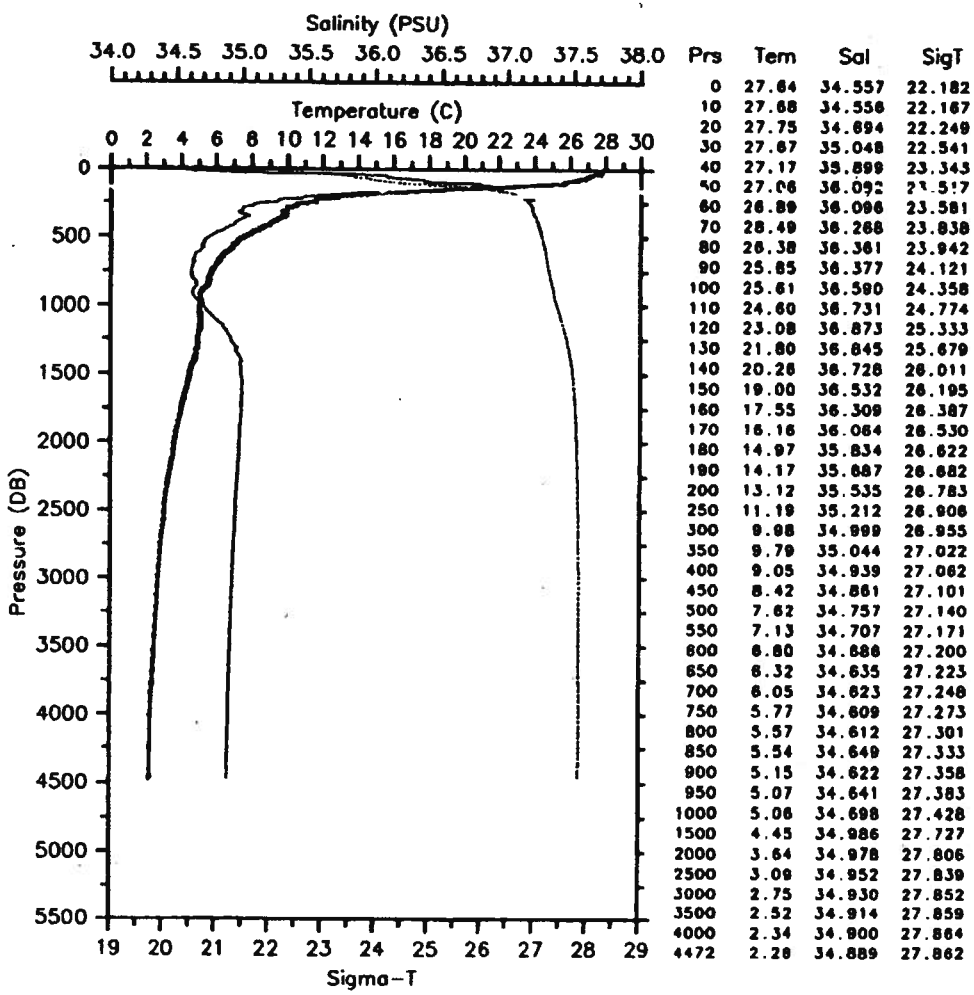
Prs	Tem	Sal	SigT
0	27.74	34.921	22.423
10	27.76	34.918	22.414
20	27.80	34.992	22.455
30	27.91	35.751	22.991
40	27.88	35.949	23.151
50	27.83	35.988	23.194
60	27.80	35.999	23.215
70	27.78	36.054	23.269
80	27.60	36.156	23.397
90	26.75	36.337	23.809
100	26.47	36.405	23.949
110	26.13	36.482	24.112
120	25.14	36.511	24.443
130	23.01	36.430	25.016
140	21.88	36.516	25.407
150	20.84	36.538	25.711
160	19.39	36.350	25.953
170	17.03	36.075	26.334
180	16.11	36.027	26.514
190	13.57	35.406	26.590
200	13.19	35.380	26.649
250	10.52	35.052	26.903
300	9.77	34.957	26.959
350	9.12	34.886	26.994
400	8.53	34.794	27.032
450	8.03	34.745	27.069
500	7.54	34.703	27.109
550	7.14	34.683	27.150
600	6.89	34.689	27.189
650	6.47	34.658	27.221
700	6.10	34.637	27.254
750	5.58	34.592	27.282
800	5.39	34.598	27.309
850	5.15	34.604	27.344
900	5.04	34.619	27.369
950	4.97	34.634	27.389
1000	4.89	34.653	27.413
1500	4.73	34.997	27.704
2000	3.71	34.983	27.803
2500	3.11	34.954	27.839
3000	2.74	34.931	27.853
3500	2.43	34.911	27.865
4000	2.28	34.897	27.866
4493	2.19	34.882	27.861

BAL-STACS39-91 CTD 18 BALDRIGE
Date 06 23 91 Latitude 9.035N
Time 0947 Z Longitude 51.917W



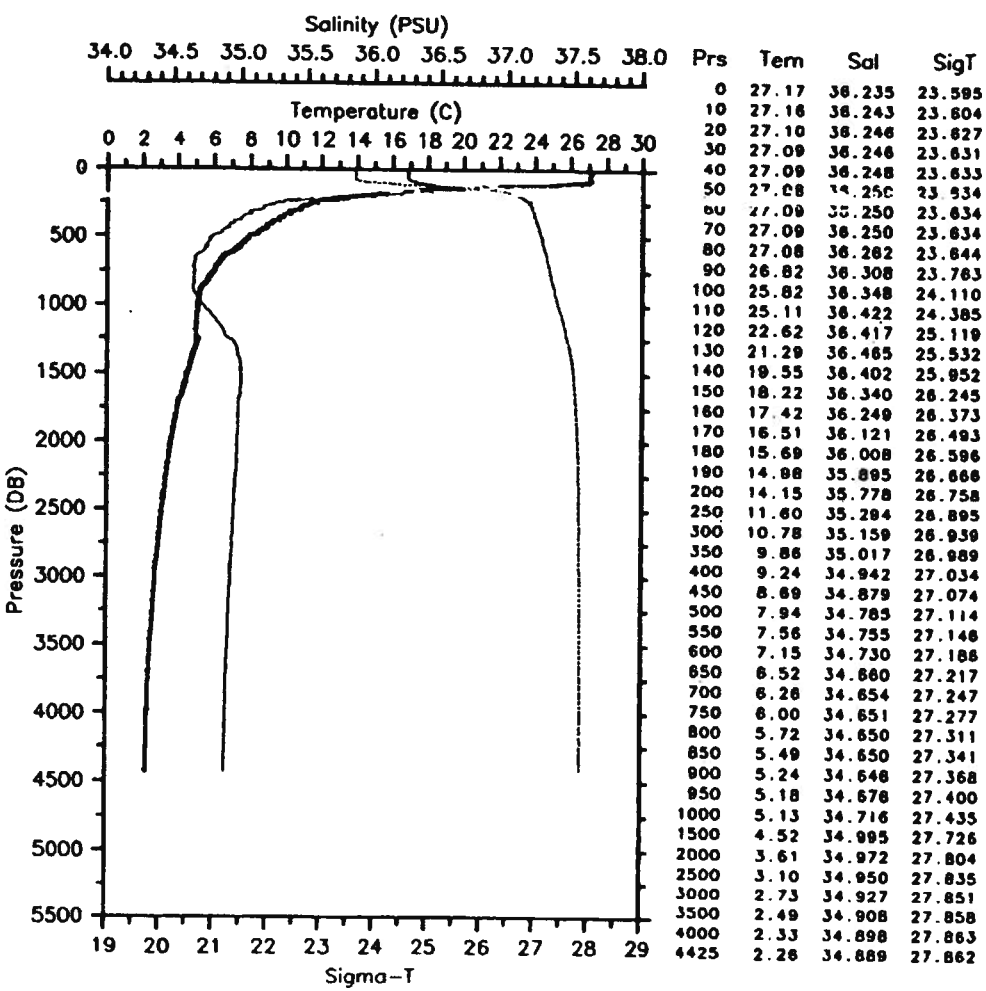
Prs	Tem	Sal	SigT
0	27.69	35.355	22.765
10	27.76	35.330	22.724
20	27.78	35.351	22.734
30	27.82	35.416	22.770
40	27.88	35.578	22.872
50	27.93	35.650	23.154
60	27.91	36.067	23.230
70	27.89	36.079	23.245
80	27.57	36.126	23.385
90	27.08	36.185	23.588
100	26.68	36.236	23.755
110	26.18	36.336	23.986
120	25.41	36.498	24.351
130	24.02	36.495	24.770
140	22.40	36.538	25.276
150	20.58	36.522	25.768
160	18.85	36.279	26.038
170	16.55	35.990	26.382
180	14.68	35.655	26.547
190	13.53	35.513	26.883
200	12.79	35.405	26.750
250	11.11	35.170	26.668
300	9.77	34.987	26.966
350	9.08	34.891	27.020
400	8.33	34.789	27.058
450	7.78	34.736	27.103
500	7.30	34.685	27.129
550	7.02	34.678	27.163
600	6.89	34.687	27.198
650	6.34	34.629	27.216
700	6.00	34.613	27.247
750	5.63	34.586	27.273
800	5.33	34.585	27.308
850	5.07	34.581	27.335
900	4.96	34.603	27.365
950	4.77	34.607	27.390
1000	4.78	34.641	27.417
1500	4.66	34.977	27.696
2000	3.64	34.980	27.807
2500	3.11	34.954	27.838
3000	2.78	34.933	27.852
3500	2.50	34.913	27.860
4000	2.30	34.898	27.865
4436	2.19	34.883	27.862

BAL-STACS39-91 CTD 19 BALDRIGE
Date 06 24 91 Latitude 10.047N
Time 0039 Z Longitude 51.289W



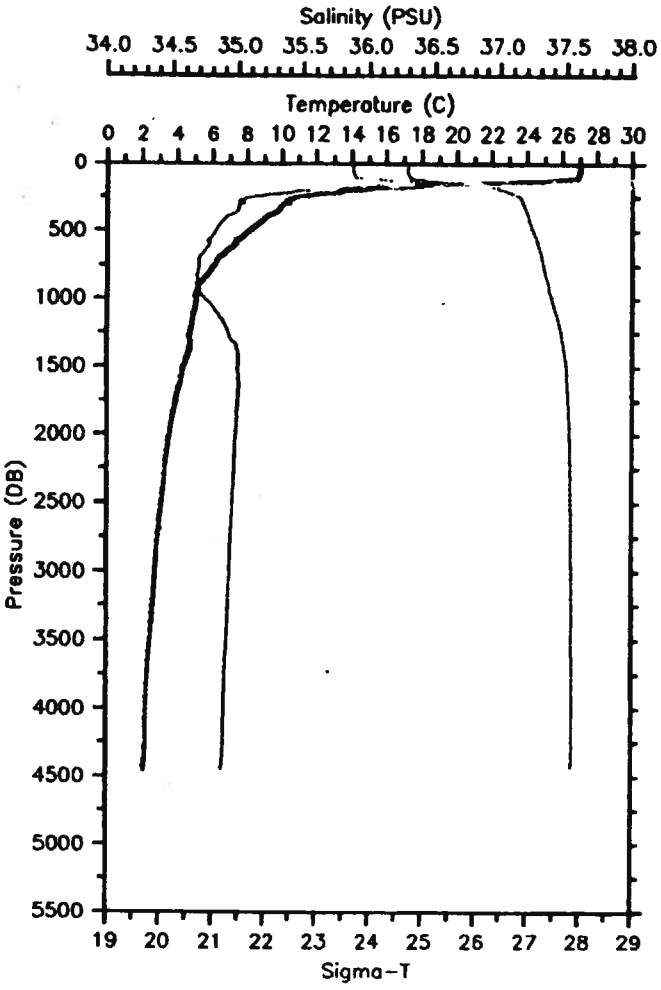
Prs	Tem	Sal	SigT
0	27.64	34.557	22.182
10	27.68	34.558	22.187
20	27.75	34.694	22.249
30	27.67	35.048	22.541
40	27.17	35.899	23.343
50	27.06	36.092	23.517
60	26.89	36.096	23.581
70	26.49	36.268	23.838
80	26.38	36.361	23.942
90	25.85	36.377	24.121
100	25.61	36.590	24.358
110	24.60	36.731	24.774
120	23.08	36.873	25.333
130	21.80	36.845	25.679
140	20.28	36.728	26.011
150	19.00	36.532	26.195
160	17.55	36.309	26.387
170	16.16	36.064	26.530
180	14.97	35.834	26.622
190	14.17	35.687	26.682
200	13.12	35.535	26.783
250	11.19	35.212	26.906
300	9.98	34.999	26.955
350	9.79	35.044	27.022
400	9.05	34.939	27.062
450	8.42	34.861	27.101
500	7.82	34.757	27.140
550	7.13	34.707	27.171
600	6.80	34.688	27.200
650	6.32	34.635	27.223
700	6.05	34.623	27.248
750	5.77	34.609	27.273
800	5.57	34.612	27.301
850	5.54	34.649	27.333
900	5.15	34.622	27.358
950	5.07	34.641	27.383
1000	5.06	34.698	27.428
1500	4.45	34.986	27.727
2000	3.64	34.978	27.806
2500	3.08	34.952	27.839
3000	2.75	34.930	27.852
3500	2.52	34.914	27.859
4000	2.34	34.900	27.864
4472	2.28	34.889	27.862

BAL-STACS39-91 CTD 20 BALDRIGE
Date 06 24 91 Latitude 10.017N
Time 1555 Z Longitude 49.040W



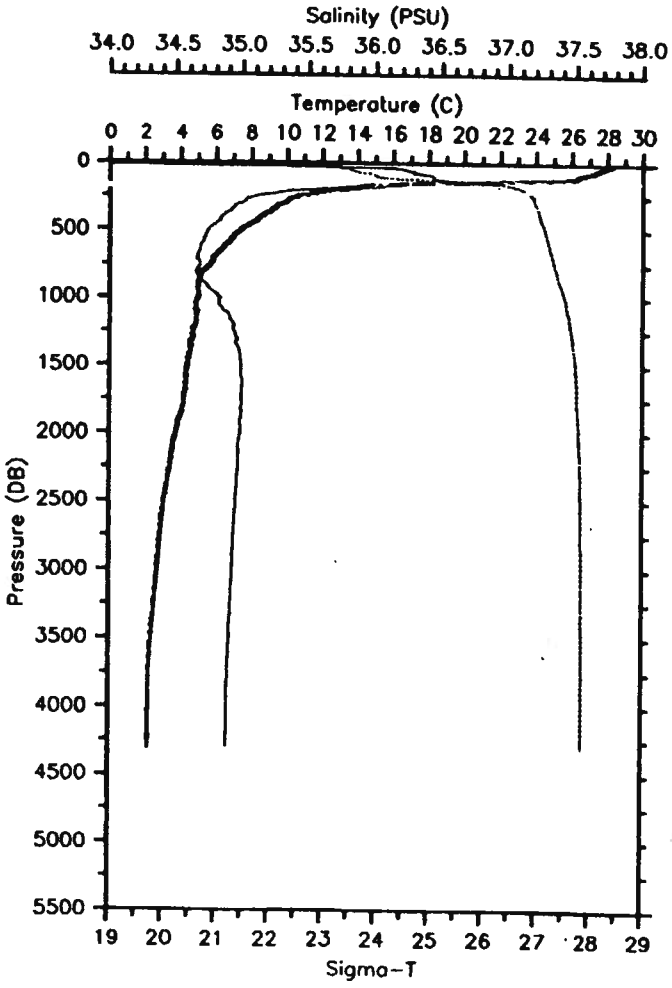
Prs	Tem	Sal	SigT
0	27.17	36.235	23.595
10	27.16	36.243	23.604
20	27.10	36.246	23.627
30	27.09	36.246	23.631
40	27.09	36.248	23.633
50	27.08	36.250	23.634
60	27.09	36.250	23.634
70	27.09	36.250	23.634
80	27.08	36.262	23.644
90	26.82	36.308	23.783
100	25.82	36.348	24.110
110	25.11	36.422	24.385
120	22.62	36.417	25.119
130	21.29	36.465	25.532
140	19.55	36.402	25.952
150	18.22	36.340	26.245
160	17.42	36.249	26.373
170	16.51	36.121	26.493
180	15.69	36.008	26.596
190	14.98	35.895	26.668
200	14.15	35.778	26.758
250	11.60	35.284	26.895
300	10.78	35.159	26.939
350	9.86	35.017	26.989
400	9.24	34.942	27.034
450	8.69	34.879	27.074
500	7.94	34.785	27.114
550	7.56	34.755	27.148
600	7.15	34.730	27.188
650	6.52	34.660	27.217
700	6.26	34.654	27.247
750	6.00	34.651	27.277
800	5.72	34.650	27.311
850	5.49	34.650	27.341
900	5.24	34.648	27.368
950	5.18	34.678	27.400
1000	5.13	34.716	27.435
1500	4.52	34.995	27.726
2000	3.61	34.972	27.804
2500	3.10	34.950	27.835
3000	2.73	34.927	27.851
3500	2.49	34.908	27.858
4000	2.33	34.898	27.863
4425	2.26	34.889	27.862

BAL-STACS39-91 CTD 21 BALDRIGE
Date 06 25 91 Latitude 8.784N
Time 0123 Z Longitude 49.521W



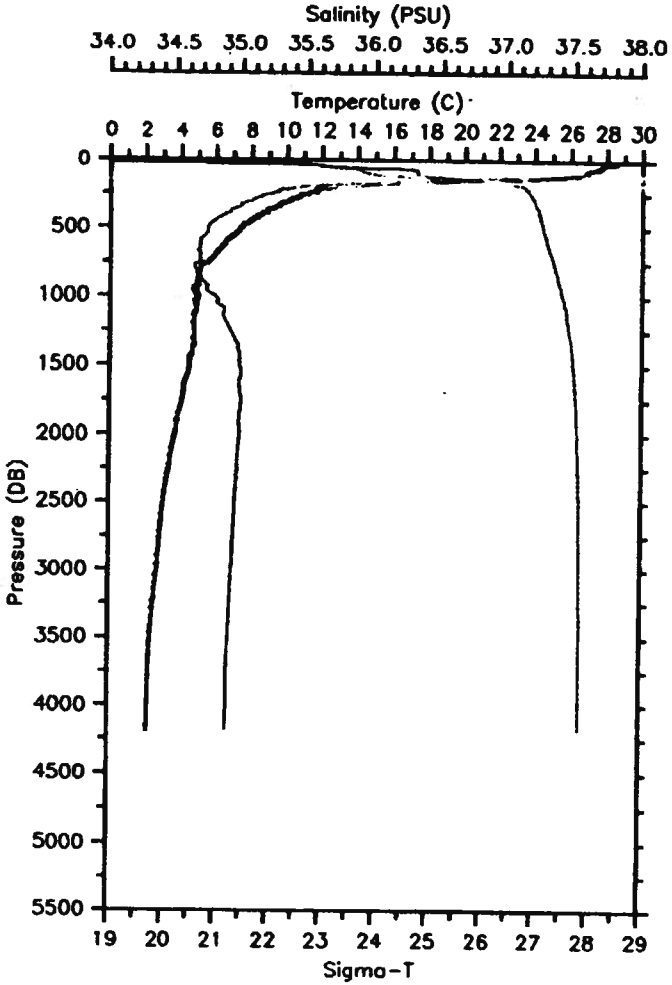
Prs	Tem	Sal	SigT
0	26.89	36.227	23.680
10	27.03	36.294	23.686
20	27.03	36.295	23.685
30	27.04	36.295	23.682
40	27.04	36.295	23.684
50	27.02	36.293	23.689
60	27.01	36.293	23.691
70	26.99	36.294	23.700
80	26.98	36.298	23.704
90	26.95	36.307	23.721
100	26.93	36.308	23.728
110	26.49	36.334	23.888
120	25.59	36.385	24.207
130	23.83	36.488	24.819
140	21.63	36.453	25.428
150	19.82	36.373	25.860
160	18.12	36.137	26.115
170	17.57	36.049	26.183
180	15.97	35.863	26.419
190	14.90	35.817	26.470
200	13.81	35.523	26.632
250	10.88	35.099	26.878
300	10.09	35.008	26.943
350	9.81	34.997	26.983
400	9.08	34.906	27.031
450	8.83	34.855	27.064
500	8.10	34.820	27.117
550	7.61	34.784	27.161
600	7.24	34.770	27.203
650	6.75	34.734	27.243
700	6.33	34.697	27.270
750	8.09	34.698	27.303
800	5.81	34.686	27.328
850	5.50	34.684	27.366
900	5.21	34.680	27.397
950	5.11	34.692	27.418
1000	5.05	34.740	27.463
1500	4.36	34.993	27.742
2000	3.58	34.979	27.812
2500	3.13	34.955	27.837
3000	2.79	34.933	27.851
3500	2.50	34.913	27.860
4000	2.28	34.897	27.866
4449	2.13	34.875	27.861

BAL-STACS39-91 CTD 22 BALDRIGE
Date 06 25 91 Latitude 7.504N
Time 1208 Z Longitude 49.970W



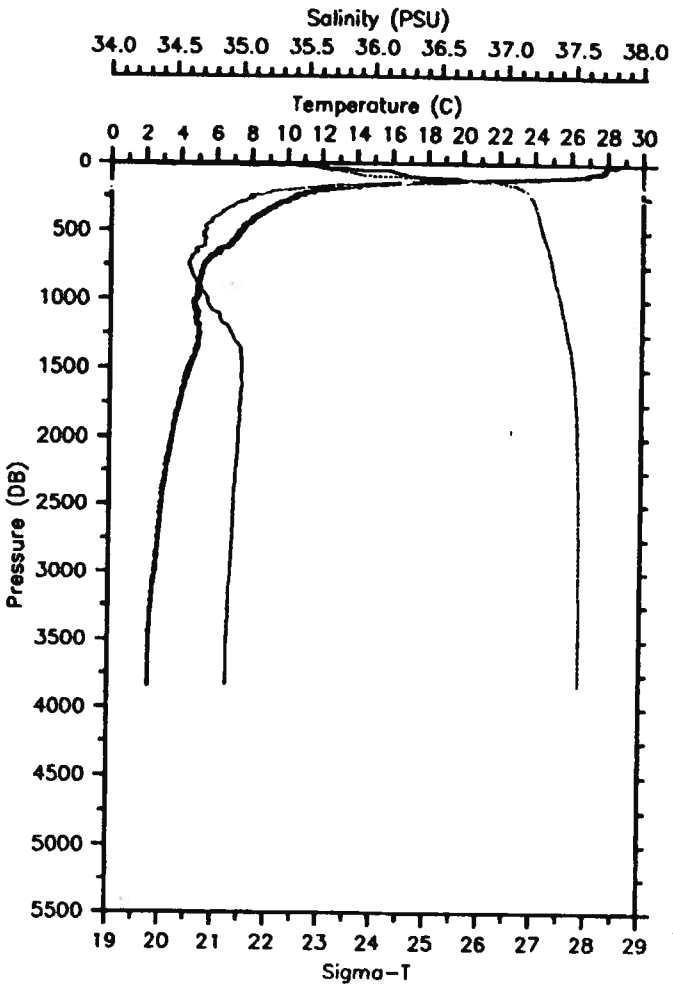
Prs	Tem	Sal	SigT
0	28.19	31.158	19.451
10	28.20	31.172	19.457
20	27.95	34.187	21.802
30	27.68	35.477	22.860
40	27.57	36.150	23.402
50	27.45	36.320	23.524
60	27.23	36.265	23.600
70	27.05	36.299	23.684
80	26.89	36.337	23.825
90	26.39	36.417	23.984
100	26.29	36.437	24.028
110	26.01	36.437	24.116
120	24.41	36.428	24.602
130	22.31	36.570	25.325
140	20.73	36.506	25.717
150	17.87	36.223	26.244
160	16.08	35.953	26.464
170	15.26	35.877	26.591
180	14.56	35.771	26.663
190	13.78	35.651	26.738
200	12.95	35.537	26.819
250	10.64	35.110	26.927
300	9.88	35.012	26.982
350	9.16	34.923	27.033
400	8.57	34.851	27.070
450	8.05	34.810	27.117
500	7.39	34.744	27.163
550	7.06	34.722	27.192
600	6.64	34.693	27.226
650	6.30	34.681	27.262
700	5.88	34.655	27.296
750	5.73	34.677	27.332
800	5.30	34.652	27.364
850	5.09	34.665	27.399
900	5.03	34.722	27.452
950	4.96	34.763	27.492
1000	5.04	34.830	27.536
1500	4.41	34.992	27.736
2000	3.76	34.984	27.798
2500	3.09	34.954	27.840
3000	2.74	34.931	27.854
3500	2.42	34.909	27.864
4000	2.26	34.898	27.867
4294	2.23	34.890	27.864

BAL-STACS39-91 CTD 23 BALDRIGE
Date 06 25 91 Latitude 7.098N
Time 1928 Z Longitude 50.331W



Prs	Tem	Sal	SigT
0	28.41	17.499	9.169
10	28.36	20.445	11.380
20	28.27	31.943	20.014
30	27.80	35.300	22.687
40	27.73	35.594	22.933
50	27.62	35.858	23.015
60	27.28	35.956	23.352
70	26.98	36.286	23.698
80	26.82	36.310	23.732
90	26.60	36.316	23.777
100	26.44	36.308	23.885
110	25.90	36.340	24.079
120	25.14	36.394	24.355
130	23.80	36.551	24.849
140	21.01	36.518	25.649
150	19.28	36.386	26.017
160	17.32	36.183	26.346
170	15.81	35.985	26.549
180	14.58	35.779	26.669
190	13.22	35.564	26.785
200	12.57	35.433	26.816
250	11.25	35.220	26.902
300	10.20	35.076	26.977
350	9.30	34.965	27.043
400	8.64	34.870	27.075
450	7.94	34.784	27.114
500	7.39	34.735	27.155
550	7.05	34.723	27.194
600	6.58	34.675	27.223
650	6.24	34.673	27.264
700	5.93	34.677	27.307
750	5.62	34.679	27.347
800	5.09	34.642	27.381
850	5.04	34.660	27.417
900	4.84	34.713	27.454
950	4.73	34.723	27.487
1000	4.85	34.796	27.519
1500	4.49	34.987	27.723
2000	3.71	34.985	27.804
2500	3.06	34.951	27.841
3000	2.70	34.927	27.854
3500	2.35	34.905	27.867
4000	2.24	34.895	27.868
4184	2.22	34.889	27.865

BAL-STACS39-91 CTD 24 BALDRIGE
Date 06 26 91 Latitude 6.668N
Time 0302 Z Longitude 50.687W

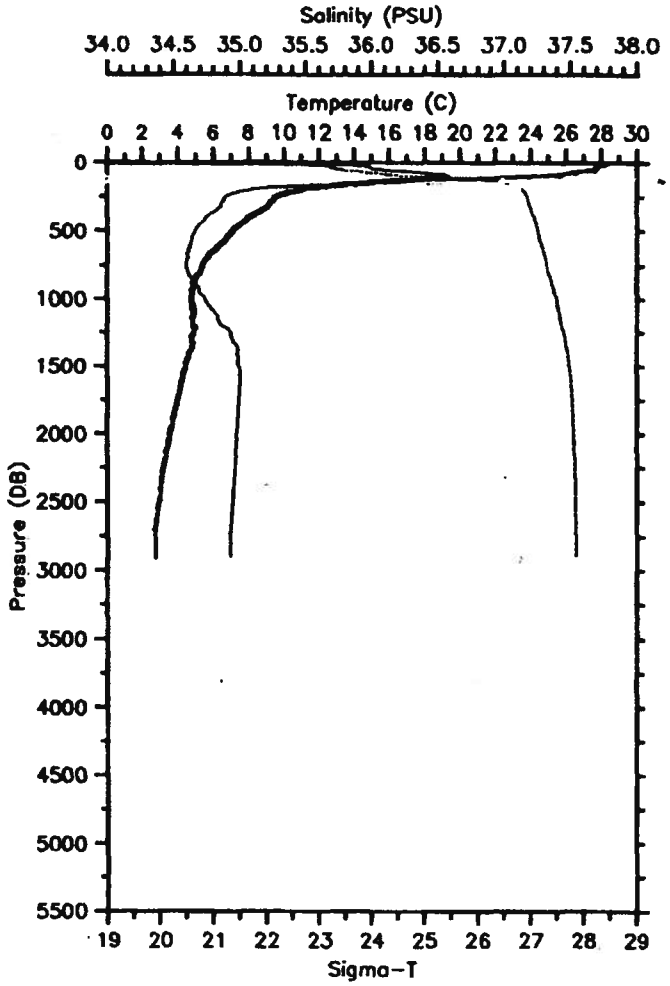


Prs	Tem	Sal	SigT
0	28.08	14.884	7.312
10	28.48	26.298	15.716
20	27.94	35.278	22.623
30	27.92	35.611	22.882
40	27.87	35.700	22.966
50	27.84	35.805	23.120
60	27.63	36.138	23.375
70	27.12	36.147	23.547
80	26.98	36.222	23.652
90	26.42	36.228	23.831
100	25.62	36.358	24.180
110	23.82	36.642	24.941
120	22.06	36.651	25.457
130	19.58	36.383	25.913
140	18.61	36.380	26.177
150	16.31	36.070	26.501
160	14.80	35.825	26.654
170	14.09	35.640	26.664
180	13.24	35.533	26.758
190	12.66	35.425	26.791
200	12.11	35.343	26.836
250	10.54	35.080	26.921
300	9.52	34.954	26.997
350	8.88	34.868	27.035
400	8.26	34.793	27.072
450	7.76	34.741	27.107
500	7.45	34.725	27.139
550	7.19	34.724	27.174
600	6.81	34.716	27.222
650	6.21	34.659	27.257
700	5.65	34.613	27.290
750	5.31	34.592	27.315
800	5.23	34.616	27.344
850	5.12	34.637	27.374
900	5.04	34.674	27.413
950	4.99	34.707	27.444
1000	4.93	34.742	27.479
1500	4.53	34.995	27.725
2000	3.58	34.976	27.810
2500	3.00	34.949	27.844
3000	2.65	34.925	27.857
3500	2.31	34.903	27.869
3838	2.31	34.900	27.866

BAL-STACS39-91 CTD 25 BALDRIGE

Date 06 26 91 Latitude 6.224N

Time 1105 Z Longitude 51.060W

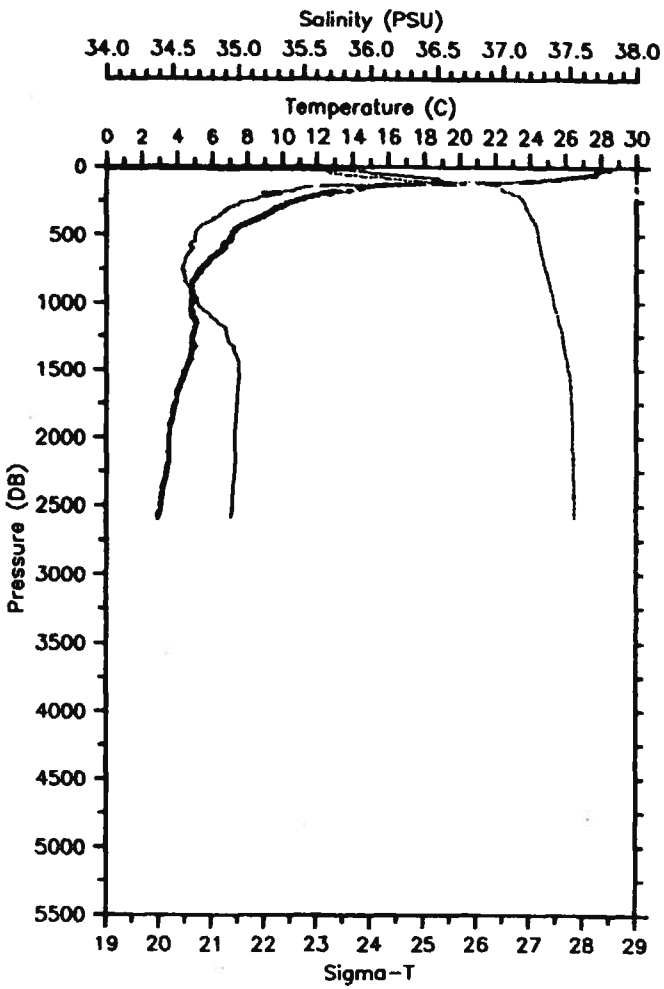


Prs	Tem	Sal	SigT
0	28.28	21.475	12.174
10	28.22	32.583	20.494
20	27.85	35.815	23.058
30	27.78	35.974	23.209
40	27.72	36.004	23.243
50	27.57	36.082	23.352
60	26.93	36.229	23.667
70	26.53	36.385	23.912
80	25.90	36.436	24.150
90	25.48	36.568	24.380
100	23.82	36.548	24.868
110	21.88	36.567	25.446
120	18.58	36.220	26.063
130	17.14	36.019	26.263
140	16.19	35.926	26.418
150	14.85	35.749	26.561
160	14.28	35.638	26.620
170	13.04	35.480	26.742
180	12.03	35.279	26.800
190	11.28	35.146	26.839
200	10.85	35.086	26.853
250	9.57	34.893	26.941
300	9.20	34.859	26.976
350	8.75	34.826	27.022
400	8.02	34.748	27.074
450	7.51	34.699	27.109
500	7.09	34.683	27.140
550	6.78	34.644	27.168
600	6.42	34.634	27.210
650	6.04	34.618	27.245
700	5.67	34.616	27.291
750	5.44	34.601	27.308
800	5.31	34.613	27.331
850	5.00	34.643	27.392
900	4.92	34.672	27.425
950	4.79	34.698	27.459
1000	4.78	34.736	27.491
1500	4.46	34.994	27.732
2000	3.59	34.976	27.809
2500	2.98	34.947	27.845
2901	2.73	34.930	27.854

BAL-STACS39-91 CTD 26 BALDRIGE

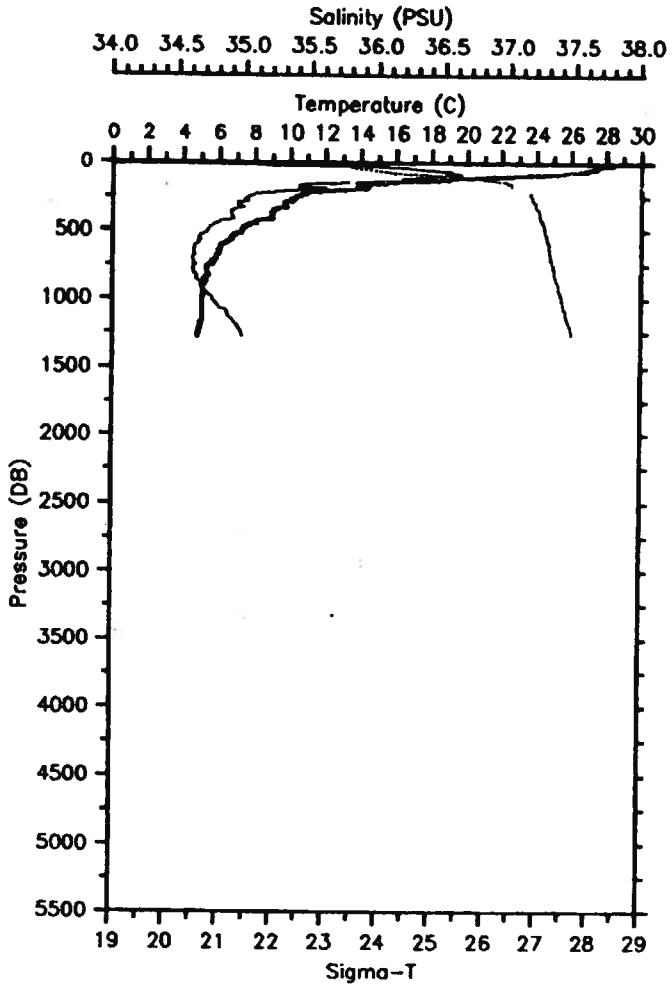
Date 06 26 91 Latitude 6.111N

Time 1556 Z Longitude 51.275W



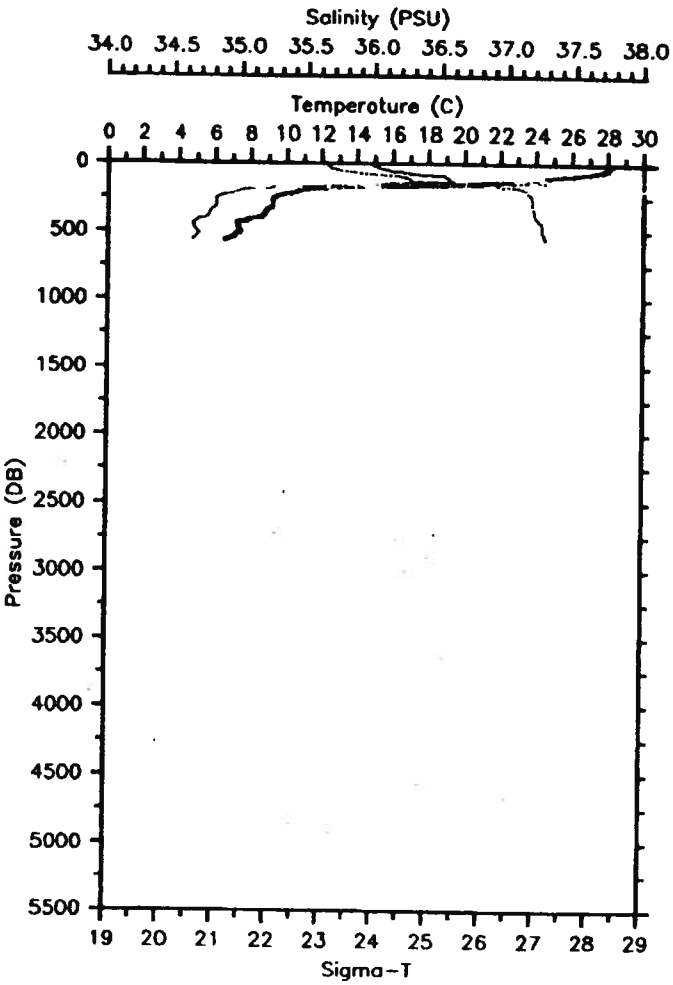
Prs	Tem	Sal	SigT
0	28.18	19.905	11.034
10	28.42	24.587	14.457
20	27.92	35.177	22.555
30	27.77	35.933	23.173
40	27.74	35.998	23.231
50	27.65	36.073	23.329
60	27.06	36.212	23.814
70	26.45	36.330	23.897
80	25.71	36.502	24.260
90	25.19	36.499	24.418
100	24.10	36.495	24.748
110	23.13	36.624	25.129
120	19.37	36.500	26.074
130	17.15	36.005	26.251
140	15.12	35.673	26.465
150	14.59	35.510	26.456
160	14.34	35.481	26.471
170	14.15	35.425	26.484
180	13.39	35.296	26.543
190	12.37	35.189	26.865
200	12.64	35.327	26.719
250	10.69	35.080	26.895
300	9.64	34.918	26.950
350	9.09	34.864	26.998
400	8.22	34.783	27.071
450	7.40	34.696	27.124
500	7.12	34.671	27.143
550	6.88	34.684	27.174
600	6.65	34.656	27.195
650	6.15	34.611	27.227
700	5.77	34.594	27.261
750	5.32	34.587	27.294
800	5.15	34.597	27.338
850	4.81	34.605	27.374
900	4.88	34.645	27.407
950	4.80	34.670	27.425
1000	4.87	34.688	27.443
1500	4.57	35.007	27.731
2000	3.58	34.978	27.812
2500	3.07	34.952	27.840
2588	2.94	34.944	27.848

BAL-STACS39-91 CTD 27 BALDRIGE
Date 06 26 91 Latitude 5.824N
Time 2214 Z Longitude 51.259W



Prs	Tem	Sal	SigT
0	28.35	21.143	11.906
10	28.30	22.047	12.595
20	27.67	34.490	22.120
30	27.34	36.028	23.384
40	27.34	36.233	23.539
50	26.92	36.324	23.749
60	26.58	36.472	23.971
70	25.87	36.543	24.241
80	25.29	36.600	24.465
90	25.13	36.524	25.054
100	21.66	36.518	25.469
110	20.06	36.346	25.775
120	18.94	36.214	25.966
130	18.08	36.217	26.185
140	16.19	35.908	26.404
150	15.25	35.685	26.446
160	14.04	35.448	26.527
170	13.88	35.395	26.519
180	14.17	35.475	26.519
190	14.24	35.608	26.607
200	13.04	35.452	26.735
250	10.34	35.019	26.909
300	9.83	34.933	26.963
350	9.03	34.894	27.031
400	8.93	34.899	27.051
450	7.80	34.780	27.132
500	7.25	34.710	27.156
550	6.69	34.650	27.188
600	6.12	34.631	27.245
650	5.94	34.607	27.250
700	5.81	34.606	27.266
750	5.44	34.625	27.326
800	5.28	34.607	27.332
850	5.19	34.628	27.358
900	5.06	34.663	27.402
950	5.04	34.702	27.435
1000	5.05	34.746	27.468
1278	4.81	34.978	27.678

BAL-STACS39-91 CTD 28 BALDRIGE
Date 06 27 91 Latitude 3.943N
Time 1900 Z Longitude 48.732W

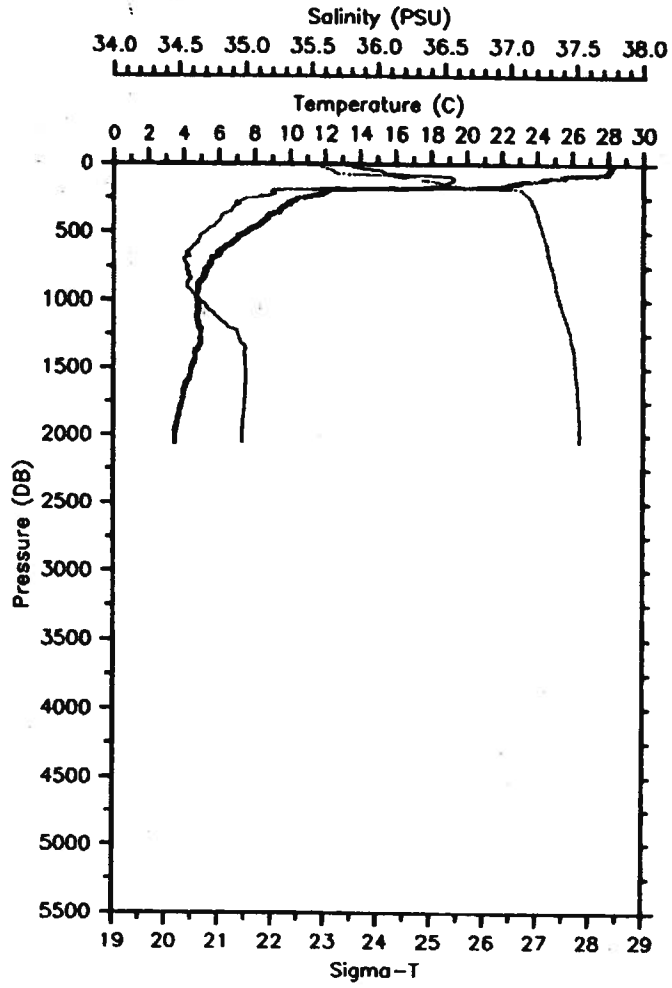


Prs	Tem	Sal	SigT
0	28.23	36.478	23.434
10	28.16	35.987	23.087
20	28.05	36.004	23.134
30	28.04	36.024	23.155
40	27.83	36.064	23.253
50	27.72	36.099	23.318
60	27.31	36.185	23.495
70	26.73	36.262	23.758
80	26.11	36.342	24.013
90	25.38	36.516	24.371
100	24.77	36.532	24.570
110	24.56	36.552	24.649
120	24.54	36.556	24.660
130	24.35	36.575	24.730
140	21.18	36.294	25.430
150	19.74	36.082	25.658
160	18.98	36.009	25.798
170	15.16	35.585	26.388
180	12.30	35.218	26.701
190	11.22	35.050	26.774
200	10.63	34.975	26.823
250	9.30	34.814	26.925
300	9.24	34.803	26.926
350	8.88	34.767	26.954
400	8.49	34.736	26.992
450	7.22	34.631	27.099
500	7.34	34.660	27.104
550	6.78	34.642	27.167
565	6.54	34.629	27.188

BAL-STACS39-91 CTD 29 BALDRIGE

Date 06 27 91 Latitude 4.534N

Time 2314 Z Longitude 48.348W

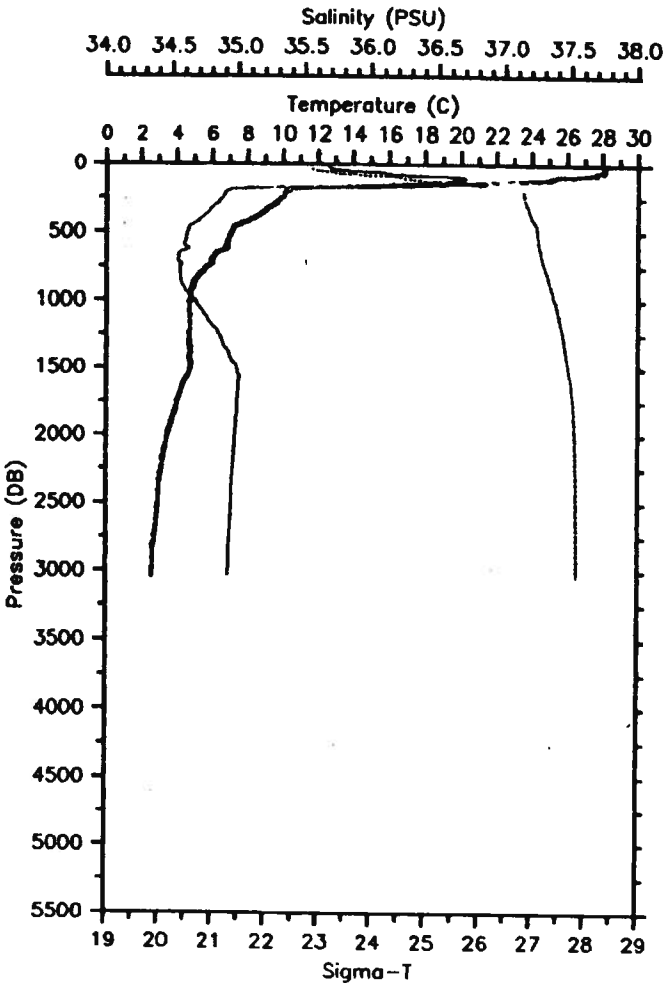


Prs	Tem	Sal	SigT
0	28.20	35.809	22.939
10	28.24	35.794	22.916
20	28.20	35.813	22.942
30	28.17	35.870	22.994
40	28.12	35.952	23.075
50	28.04	36.038	23.154
60	28.02	36.042	23.173
70	27.88	36.084	23.242
80	28.19	36.231	23.903
90	25.57	36.521	24.318
100	25.14	36.558	24.479
110	24.42	36.567	24.705
120	23.89	36.571	24.865
130	23.08	36.546	25.086
140	22.80	36.523	25.148
150	22.42	36.497	25.239
160	22.07	36.484	25.326
170	20.40	36.323	25.665
180	16.63	35.879	26.277
190	12.41	35.274	26.723
200	12.10	35.203	26.728
250	10.70	35.057	26.874
300	9.87	34.952	26.936
350	9.36	34.895	26.977
400	8.74	34.815	27.018
450	8.22	34.770	27.060
500	7.80	34.707	27.103
550	7.08	34.660	27.143
600	6.49	34.611	27.182
650	5.94	34.552	27.207
700	5.61	34.533	27.233
750	5.49	34.573	27.279
800	5.19	34.575	27.317
850	5.12	34.591	27.338
900	4.78	34.558	27.350
950	4.83	34.602	27.379
1000	4.78	34.653	27.426
1500	4.48	35.000	27.735
2000	3.54	34.977	27.815
2063	3.54	34.977	27.815

BAL-STACS39-91 CTD 30 BALDRIGE

Date 06 28 91 Latitude 4.920N

Time 0554 Z Longitude 47.555W

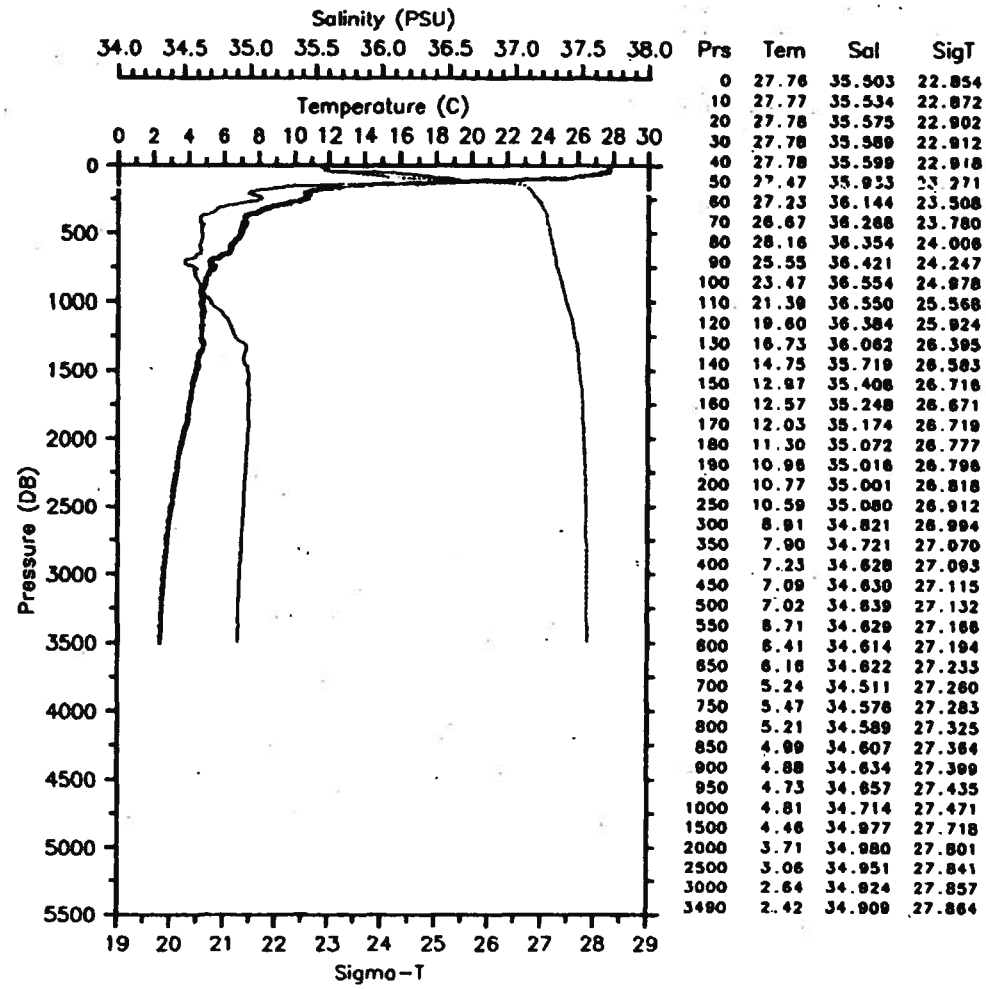


Prs	Tem	Sal	SigT
0	28.11	35.679	22.871
10	28.13	35.676	22.864
20	28.13	35.678	22.864
30	28.14	35.686	22.867
40	28.12	35.728	22.905
50	28.11	35.822	22.981
60	27.70	36.080	23.307
70	27.69	36.109	23.332
80	26.78	36.271	23.755
90	25.41	36.618	24.441
100	25.13	36.702	24.591
110	24.84	36.688	24.669
120	23.48	36.578	24.993
130	21.75	36.445	25.389
140	20.06	36.268	25.716
150	18.45	36.086	25.993
160	16.57	35.831	26.257
170	13.30	35.437	26.672
180	10.87	35.046	26.835
190	10.48	34.944	26.825
200	10.23	34.915	26.846
250	9.89	34.875	26.874
300	9.46	34.827	26.909
350	8.96	34.777	26.950
400	8.29	34.718	27.007
450	7.41	34.650	27.085
500	7.11	34.614	27.099
550	6.97	34.604	27.111
600	6.83	34.602	27.129
650	6.25	34.554	27.168
700	5.95	34.539	27.195
750	5.75	34.564	27.240
800	5.34	34.559	27.286
850	5.06	34.561	27.320
900	4.91	34.583	27.355
950	4.78	34.618	27.396
1000	4.80	34.670	27.437
1500	4.78	34.986	27.690
2000	3.50	34.976	27.818
2500	2.98	34.947	27.845
3000	2.61	34.922	27.858
3040	2.62	34.922	27.857

BAL-STACS39-91 CTD 31 BALDRIGE

Date 06 28 91 Latitude 5.330N

Time 1306 Z Longitude 46.817W

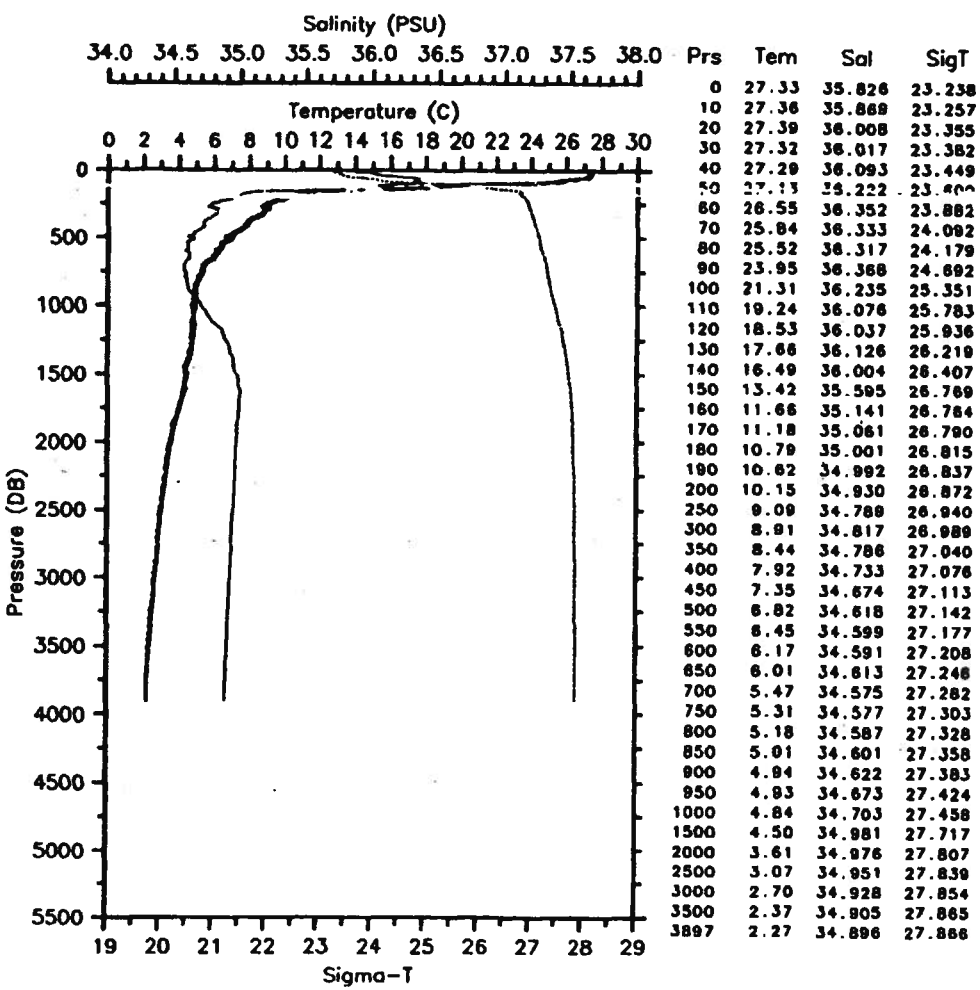


Prs	Tem	Sal	SigT
0	27.76	35.503	22.854
10	27.77	35.534	22.872
20	27.78	35.575	22.902
30	27.78	35.589	22.912
40	27.78	35.599	22.918
50	27.47	35.933	23.271
60	27.23	36.144	23.508
70	26.67	36.288	23.780
80	26.16	36.354	24.008
90	25.55	36.421	24.247
100	23.47	36.554	24.878
110	21.38	36.550	25.568
120	19.60	36.384	25.924
130	18.73	36.062	26.395
140	14.75	35.719	26.583
150	12.87	35.408	26.716
160	12.57	35.248	26.671
170	12.03	35.174	26.719
180	11.30	35.072	26.777
190	10.98	35.018	26.798
200	10.77	35.001	26.818
250	10.59	35.080	26.912
300	8.91	34.821	26.994
350	7.90	34.721	27.070
400	7.23	34.628	27.093
450	7.09	34.630	27.115
500	7.02	34.639	27.132
550	6.71	34.629	27.166
600	6.41	34.614	27.194
650	6.16	34.622	27.235
700	5.24	34.511	27.260
750	5.47	34.576	27.283
800	5.21	34.589	27.325
850	4.99	34.607	27.364
900	4.88	34.634	27.399
950	4.73	34.657	27.435
1000	4.81	34.714	27.471
1500	4.46	34.977	27.718
2000	3.71	34.980	27.801
2500	3.06	34.951	27.841
3000	2.64	34.924	27.857
3490	2.42	34.909	27.864

BAL-STACS39-91 CTD 32 BALDRIGE

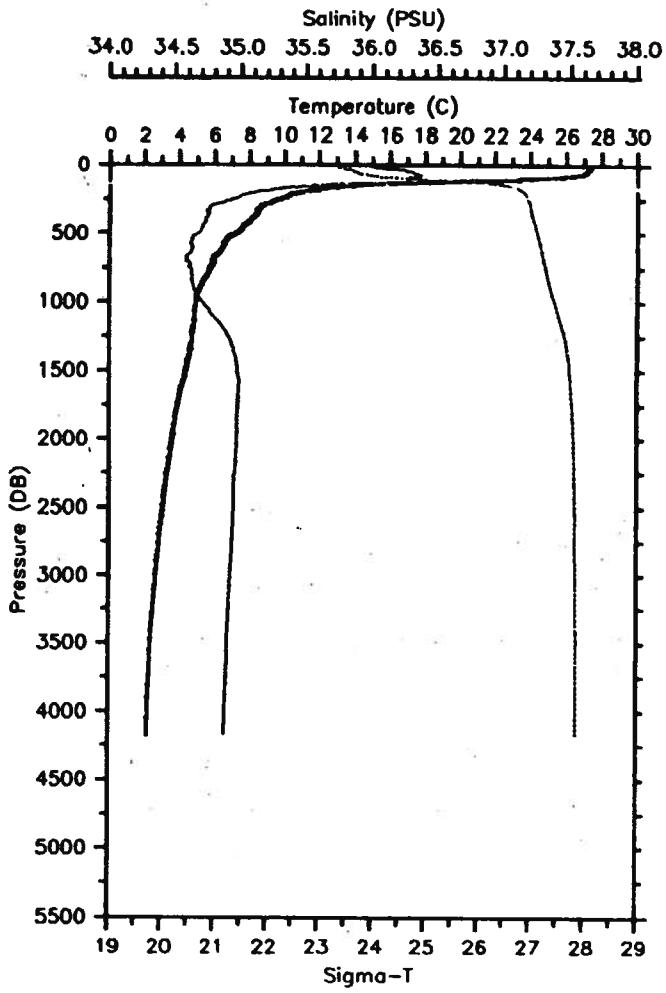
Date 06 28 91 Latitude 6.014N

Time 2044 Z Longitude 46.572W



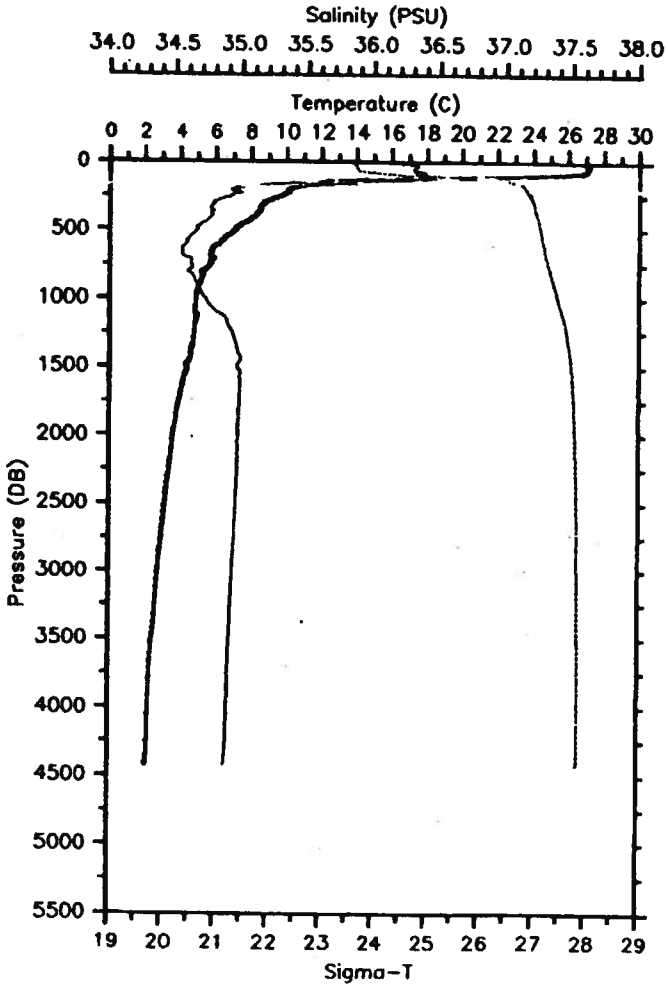
Prs	Tem	Sal	SigT
0	27.33	35.826	23.238
10	27.36	35.869	23.257
20	27.39	36.008	23.355
30	27.32	36.017	23.382
40	27.29	36.093	23.449
50	27.13	36.222	23.600
60	26.55	36.352	23.882
70	25.84	36.333	24.092
80	25.52	36.317	24.179
90	23.95	36.368	24.692
100	21.31	36.235	25.351
110	19.24	36.076	25.783
120	18.53	36.037	25.936
130	17.66	36.126	26.219
140	16.49	36.004	26.407
150	13.42	35.595	26.769
160	11.66	35.141	26.784
170	11.18	35.061	26.790
180	10.79	35.001	26.815
190	10.62	34.992	26.837
200	10.15	34.930	26.872
250	9.09	34.788	26.940
300	8.91	34.817	26.989
350	8.44	34.786	27.040
400	7.92	34.733	27.076
450	7.35	34.674	27.113
500	6.82	34.618	27.142
550	6.45	34.599	27.177
600	6.17	34.591	27.208
650	6.01	34.613	27.248
700	5.47	34.575	27.282
750	5.31	34.577	27.303
800	5.18	34.587	27.328
850	5.01	34.601	27.358
900	4.94	34.622	27.383
950	4.83	34.673	27.424
1000	4.84	34.703	27.458
1500	4.50	34.981	27.717
2000	3.61	34.976	27.807
2500	3.07	34.951	27.839
3000	2.70	34.928	27.854
3500	2.37	34.905	27.865
3897	2.27	34.896	27.868

BAL-STACS39-91 CTD 33 BALDRIGE
Date 06 29 91 Latitude 6.715N
Time 0238 Z Longitude 46.342W



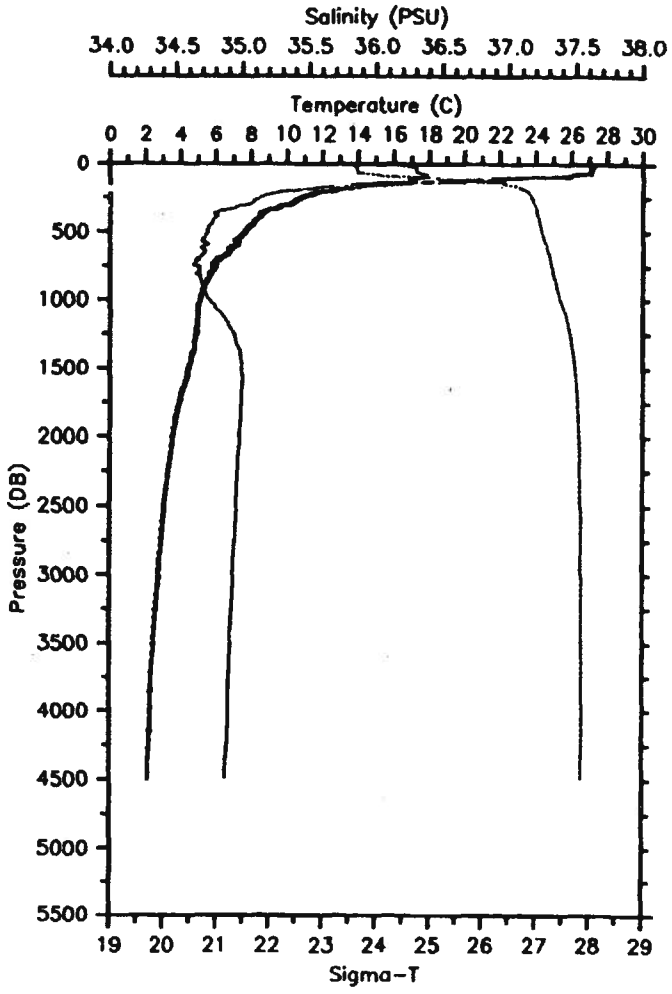
Prs	Tem	Sal	SigT
0	26.81	35.732	23.301
10	27.37	35.981	23.339
20	27.35	36.034	23.385
30	27.26	36.173	23.521
40	27.20	36.252	23.597
50	27.10	36.307	23.672
60	26.97	36.322	23.726
70	26.50	36.366	23.910
80	25.94	36.359	24.081
90	24.88	36.306	24.368
100	23.36	36.316	24.827
110	21.47	36.378	25.417
120	19.79	36.327	25.831
130	18.79	35.890	26.248
140	15.10	35.672	26.468
150	14.13	35.545	26.585
160	13.09	35.415	26.697
170	12.14	35.304	26.798
180	11.92	35.253	26.802
190	11.12	35.151	26.871
200	10.88	35.105	26.879
250	9.71	34.938	26.953
300	8.65	34.771	26.995
350	8.48	34.765	27.016
400	8.07	34.734	27.056
450	7.84	34.709	27.099
500	7.28	34.677	27.128
550	6.72	34.627	27.184
600	6.49	34.630	27.196
650	6.15	34.603	27.220
700	5.88	34.581	27.239
750	5.78	34.612	27.275
800	5.62	34.625	27.304
850	5.35	34.627	27.339
900	5.16	34.638	27.370
950	5.00	34.664	27.409
1000	4.92	34.709	27.454
1500	4.39	34.976	27.725
2000	3.62	34.974	27.805
2500	3.10	34.953	27.838
3000	2.71	34.929	27.854
3500	2.40	34.907	27.865
4000	2.23	34.892	27.866
4173	2.20	34.886	27.864

BAL-STACS39-91 CTD 34 BALDRIGE
Date 06 29 91 Latitude 7.537N
Time 1031 Z Longitude 46.331W



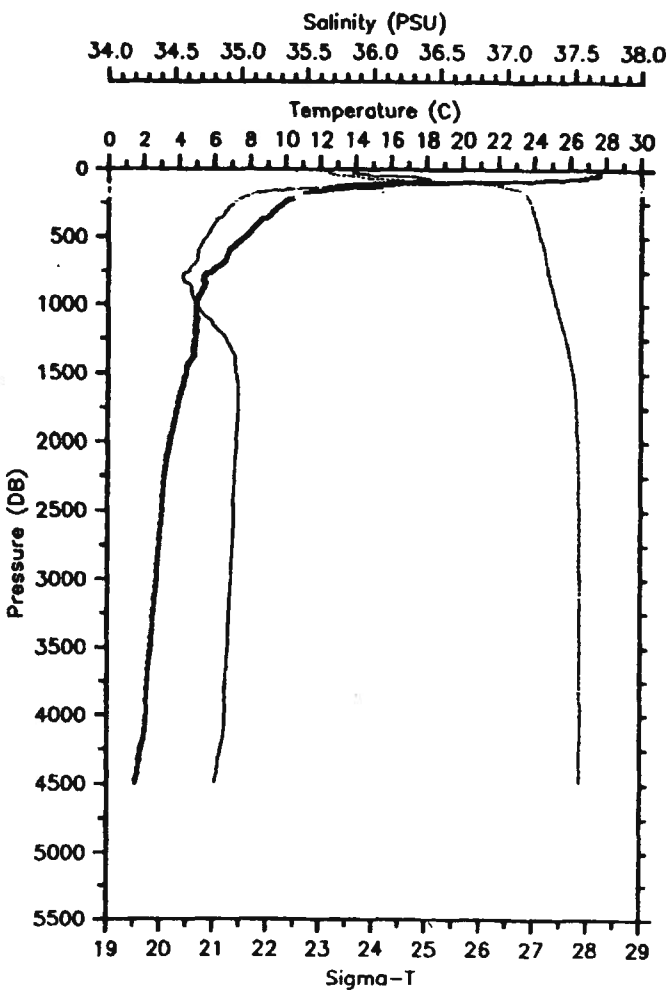
Prs	Tem	Sal	SigT
0	26.92	36.086	23.563
10	27.04	36.152	23.576
20	27.17	36.318	23.656
30	27.17	36.329	23.667
40	27.12	36.315	23.672
50	27.07	36.296	23.674
60	27.04	36.298	23.685
70	26.78	36.383	23.823
80	26.13	36.386	24.039
90	24.68	36.340	24.459
100	23.19	36.282	24.852
110	20.87	36.440	25.682
120	17.69	36.137	26.221
130	15.57	35.772	26.440
140	14.48	35.612	26.558
150	13.82	35.519	26.627
160	12.49	35.311	26.735
170	11.27	35.108	26.809
180	10.81	35.036	26.839
190	10.42	34.975	26.861
200	10.12	34.926	26.875
250	9.69	34.915	26.938
300	8.79	34.792	26.989
350	8.52	34.770	27.015
400	8.25	34.775	27.060
450	7.57	34.707	27.108
500	7.12	34.666	27.139
550	6.58	34.607	27.167
600	6.24	34.586	27.195
650	5.82	34.544	27.215
700	5.80	34.578	27.246
750	5.70	34.612	27.285
800	5.27	34.593	27.321
850	5.24	34.638	27.360
900	5.09	34.658	27.395
950	4.98	34.691	27.433
1000	4.91	34.723	27.466
1500	4.32	34.966	27.725
2000	3.61	34.970	27.802
2500	3.17	34.958	27.835
3000	2.81	34.934	27.850
3500	2.47	34.911	27.862
4000	2.27	34.896	27.867
4422	2.14	34.876	27.861

BAL-STACS39-91 CTD 35 BALDRIGE
Date 06 29 91 Latitude 8.370N
Time 1649 Z Longitude 46.341W



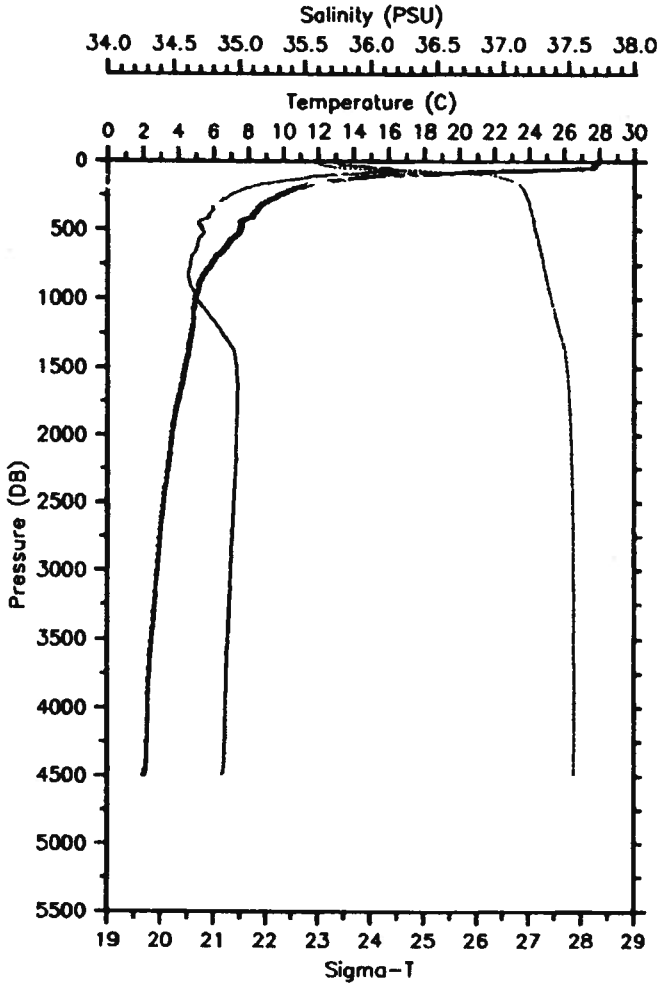
Prs	Tem	Sal	SigT
0	27.23	36.241	23.582
10	27.14	36.191	23.572
20	27.20	36.280	23.622
30	27.18	36.300	23.642
40	27.15	36.302	23.652
50	27.13	36.303	23.659
60	27.14	36.306	23.661
70	26.76	36.349	23.811
80	26.06	36.382	24.059
90	25.62	36.378	24.195
100	23.26	36.264	24.819
110	21.32	36.247	25.357
120	20.38	36.311	25.661
130	19.10	36.287	25.980
140	16.56	36.010	26.395
150	15.67	35.853	26.481
160	14.36	35.669	26.628
170	13.74	35.593	26.700
180	13.27	35.524	26.746
190	12.78	35.438	26.781
200	12.15	35.357	26.838
250	10.78	35.131	26.917
300	10.08	35.039	26.970
350	8.81	34.824	27.011
400	8.39	34.794	27.053
450	8.00	34.759	27.085
500	7.68	34.743	27.120
550	7.22	34.703	27.155
600	7.05	34.725	27.195
650	6.73	34.717	27.233
700	6.09	34.642	27.259
750	5.97	34.653	27.283
800	5.62	34.653	27.326
850	5.58	34.687	27.358
900	5.36	34.697	27.393
950	5.24	34.720	27.425
1000	5.13	34.753	27.464
1500	4.48	34.999	27.733
2000	3.59	34.977	27.810
2500	3.11	34.954	27.838
3000	2.78	34.931	27.850
3500	2.48	34.910	27.860
4000	2.29	34.897	27.865
4491	2.13	34.874	27.860

BAL-STACS39-91 CTD 36 BALDRIGE
Date 06 30 91 Latitude 8.274N
Time 0917 Z Longitude 43.956W



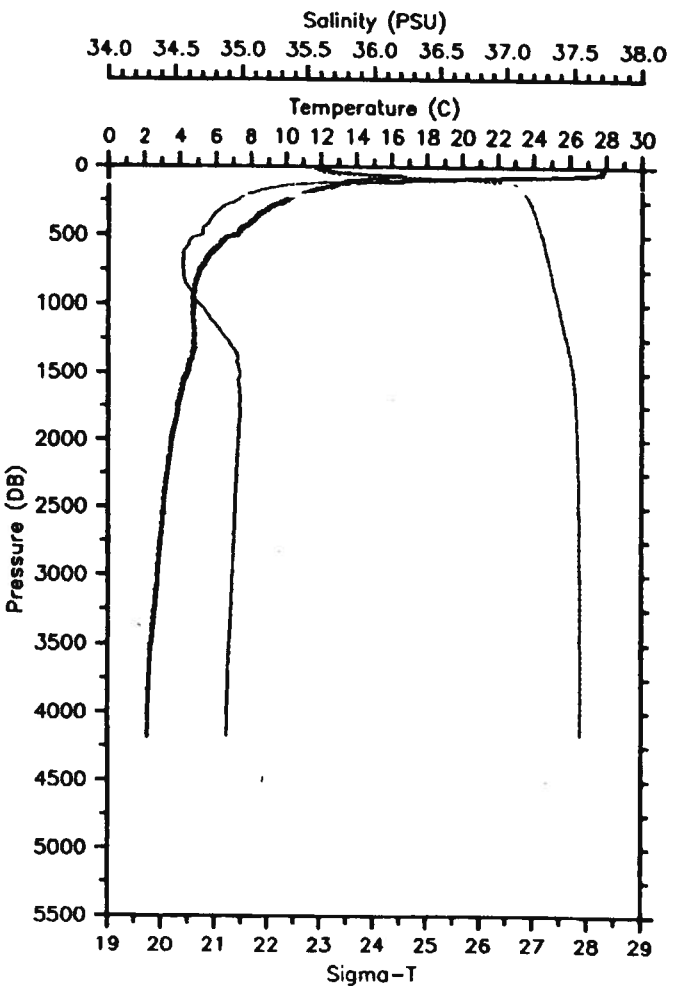
Prs	Tem	Sal	SigT
0	27.57	35.781	23.124
10	27.58	35.846	23.169
20	27.58	35.848	23.171
30	27.64	35.889	23.170
40	27.54	35.954	23.265
50	27.14	36.181	23.549
60	26.86	36.352	23.783
70	26.47	36.425	23.983
80	24.47	36.338	24.515
90	21.99	36.320	25.226
100	18.83	36.081	25.893
110	17.05	35.886	26.183
120	15.94	35.748	26.339
130	15.27	35.651	26.415
140	13.78	35.491	26.614
150	12.84	35.340	26.690
160	12.11	35.238	26.754
170	11.47	35.151	26.806
180	11.05	35.094	26.840
190	10.88	35.067	26.849
200	10.68	35.047	26.870
250	9.91	34.950	26.929
300	9.49	34.900	26.981
350	9.05	34.862	27.003
400	8.47	34.804	27.049
450	8.10	34.773	27.080
500	7.73	34.741	27.111
550	7.23	34.703	27.153
600	6.81	34.673	27.187
650	6.68	34.669	27.202
700	6.41	34.649	27.222
750	5.93	34.614	27.257
800	5.42	34.559	27.276
850	5.49	34.614	27.311
900	5.34	34.631	27.343
950	5.12	34.643	27.378
1000	5.04	34.684	27.405
1500	4.44	34.966	27.712
2000	3.53	34.968	27.809
2500	3.07	34.950	27.839
3000	2.77	34.929	27.850
3500	2.45	34.904	27.857
4000	2.19	34.881	27.860
4493	1.60	34.812	27.852

BAL-STACS39-91 CTD 37 BALDRIGE
Date 06 30 91 Latitude 6.663N
Time 2058 Z Longitude 44.034W



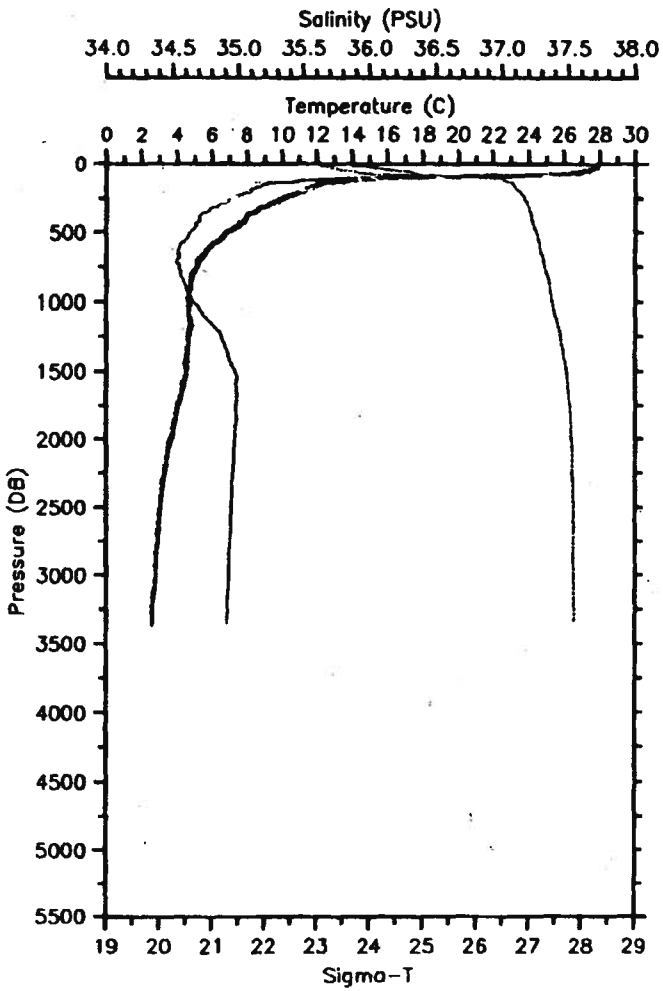
Prs	Tem	Sal	SigT
0	27.98	35.607	22.862
10	27.92	35.738	22.977
20	27.79	35.752	23.031
30	27.75	35.822	23.097
40	27.64	35.983	23.254
50	27.22	36.080	23.484
60	25.65	36.198	24.050
70	22.23	36.209	25.075
80	20.41	36.027	25.437
90	18.61	35.882	25.797
100	16.82	35.756	26.137
110	14.94	35.563	26.422
120	14.36	35.507	26.504
130	13.87	35.435	26.584
140	13.05	35.365	26.667
150	12.40	35.284	26.733
160	11.84	35.216	26.787
170	11.43	35.152	26.816
180	11.20	35.116	26.829
190	10.93	35.089	26.859
200	10.65	35.044	26.873
250	9.75	34.928	26.939
300	8.99	34.846	26.999
350	8.57	34.797	27.027
400	8.24	34.764	27.052
450	7.53	34.682	27.094
500	7.53	34.717	27.120
550	7.24	34.709	27.156
600	6.84	34.679	27.188
650	6.58	34.667	27.214
700	6.13	34.632	27.246
750	5.93	34.628	27.268
800	5.61	34.612	27.295
850	5.37	34.611	27.324
900	5.21	34.625	27.354
950	5.12	34.653	27.387
1000	4.96	34.667	27.417
1500	4.43	34.977	27.722
2000	3.67	34.974	27.799
2500	3.18	34.955	27.833
3000	2.83	34.935	27.849
3500	2.48	34.911	27.859
4000	2.28	34.896	27.866
4493	2.03	34.882	27.859

BAL-STACS39-91 CTD 38 BALDRIGE
Date 07 01 91 Latitude 5.967N
Time 0459 Z Longitude 44.025W



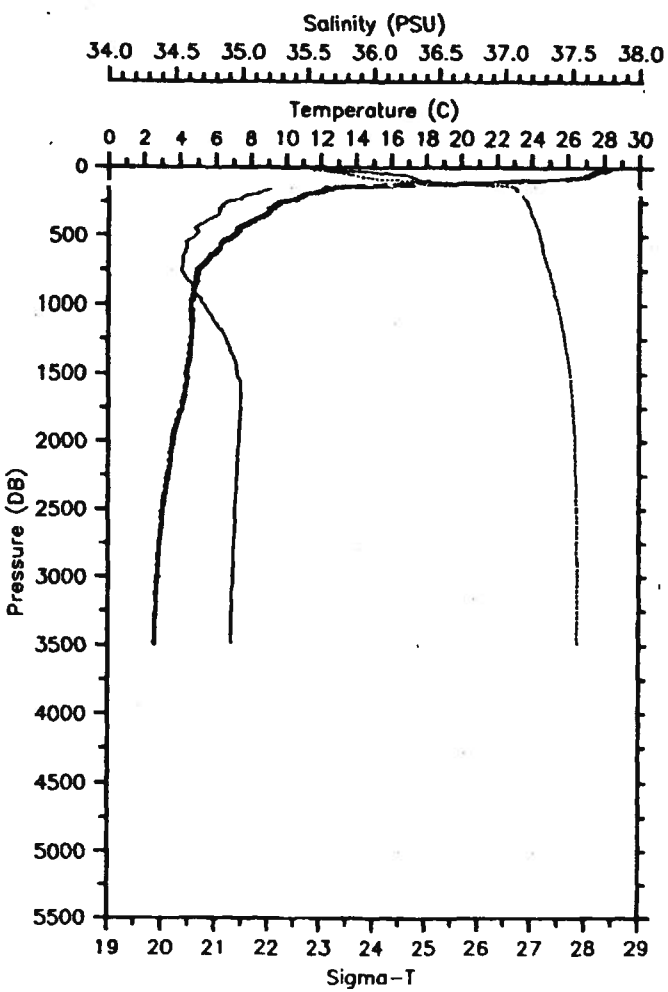
Prs	Tem	Sal	SigT
0	27.82	35.618	22.919
10	27.86	35.583	22.881
20	27.84	35.592	22.894
30	27.79	35.662	22.963
40	27.78	35.719	23.010
50	27.59	35.902	23.208
60	26.94	36.076	23.550
70	24.90	36.228	24.302
80	21.97	36.109	25.071
90	19.42	35.939	25.632
100	16.99	35.779	26.116
110	16.05	35.821	26.368
120	14.21	35.575	26.589
130	13.11	35.403	26.683
140	12.68	35.319	26.705
150	12.18	35.245	26.745
160	11.93	35.207	26.764
170	11.60	35.150	26.782
180	11.42	35.128	26.798
190	11.22	35.102	26.815
200	10.84	35.049	26.843
250	9.96	34.958	26.927
300	9.09	34.849	26.988
350	8.51	34.792	27.033
400	8.09	34.753	27.067
450	7.48	34.704	27.119
500	7.11	34.697	27.168
550	6.35	34.600	27.192
600	5.98	34.575	27.219
650	5.84	34.559	27.249
700	5.43	34.556	27.273
750	5.15	34.558	27.307
800	4.99	34.563	27.329
850	4.87	34.571	27.350
900	4.80	34.614	27.392
950	4.73	34.640	27.421
1000	4.72	34.674	27.449
1500	4.43	34.986	27.728
2000	3.58	34.974	27.808
2500	3.12	34.951	27.835
3000	2.79	34.932	27.850
3500	2.44	34.908	27.862
4000	2.24	34.893	27.866
4178	2.23	34.889	27.864

BAL-STACS39-91 CTD 39 BALDRIGE
Date 07 01 91 Latitude 5.253N
Time 1026 Z Longitude 44.023W



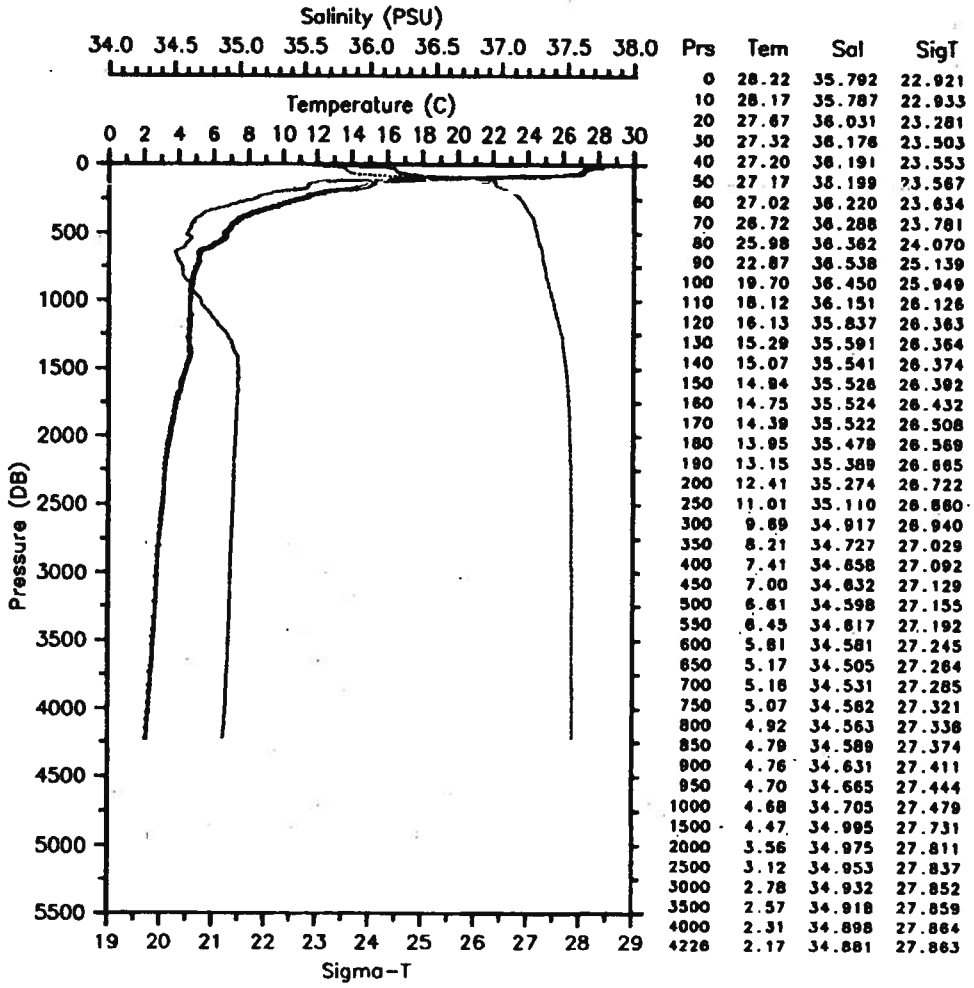
Prs	Tem	Sal	SigT
0	27.85	35.840	23.045
10	27.90	35.886	23.096
20	27.88	35.958	23.157
30	27.84	36.056	23.308
40	27.49	36.111	23.397
50	27.19	36.207	23.597
60	26.91	36.309	23.734
70	26.37	36.340	23.931
80	24.92	36.380	24.411
90	20.99	36.270	25.464
100	17.88	36.037	26.072
110	15.07	35.656	26.464
120	14.08	35.512	26.572
130	13.27	35.403	26.652
140	12.33	35.239	26.711
150	12.14	35.198	26.716
160	11.90	35.176	26.745
170	11.67	35.137	26.758
180	11.40	35.104	26.783
190	11.20	35.083	26.805
200	11.08	35.093	26.837
250	9.92	34.931	26.911
300	9.19	34.848	26.989
350	8.38	34.760	27.031
400	7.88	34.702	27.058
450	7.55	34.684	27.091
500	6.88	34.635	27.149
550	6.44	34.600	27.180
600	5.92	34.554	27.211
650	5.66	34.543	27.234
700	5.21	34.531	27.279
750	5.14	34.553	27.304
800	4.90	34.560	27.339
850	4.80	34.580	27.365
900	4.74	34.600	27.388
950	4.67	34.620	27.419
1000	4.65	34.660	27.446
1500	4.53	34.977	27.711
2000	3.65	34.978	27.804
2500	3.05	34.949	27.840
3000	2.77	34.931	27.851
3353	2.57	34.917	27.858

BAL-STACS39-91 CTD 40 BALDRIGE
Date 07 01 91 Latitude 4.731N
Time 1615 Z Longitude 44.022W



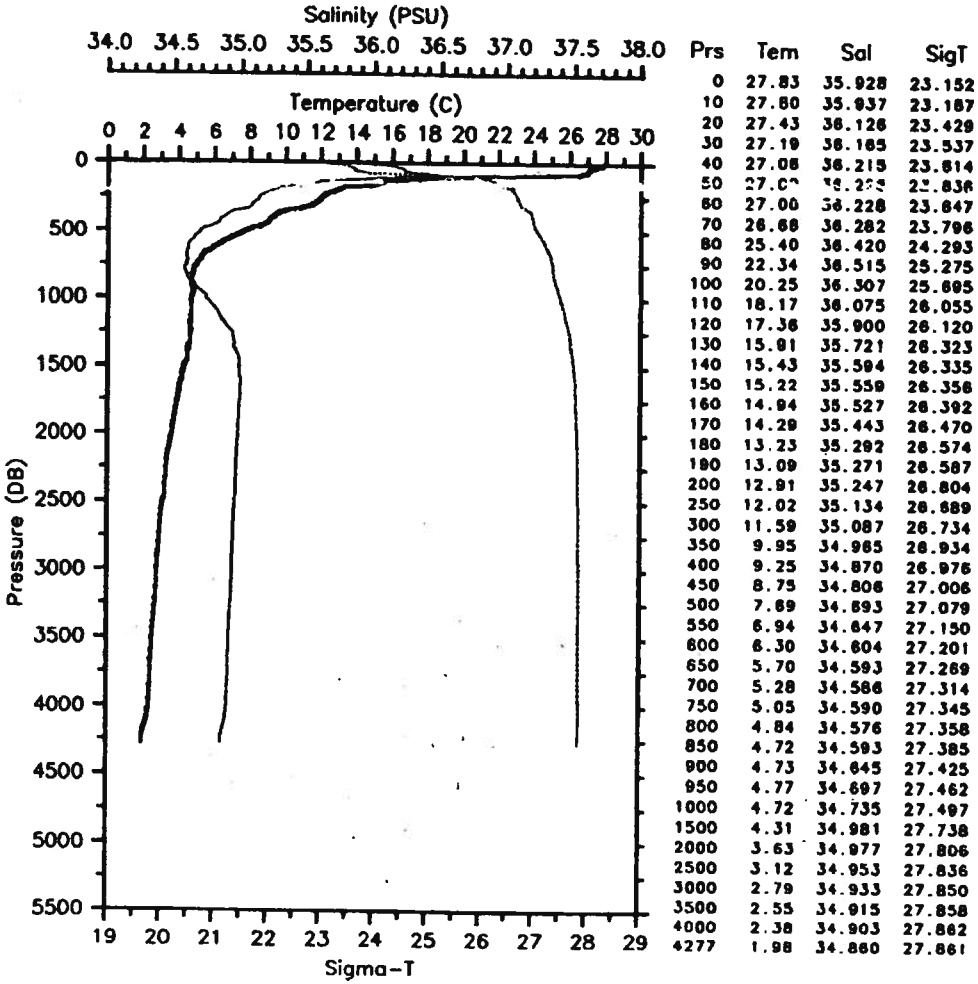
Prs	Tem	Sal	SigT
0	28.32	35.658	22.786
10	28.21	35.650	22.815
20	28.08	35.649	22.867
30	27.67	35.862	23.155
40	27.44	36.044	23.364
50	27.32	36.141	23.477
60	27.09	36.286	23.645
70	26.86	36.292	23.738
80	26.17	36.320	23.979
90	25.45	36.328	24.208
100	23.19	36.424	24.961
110	21.34	36.319	25.406
120	19.24	36.144	25.836
130	16.59	35.935	26.331
140	13.98	35.572	26.633
150	12.59	35.276	26.688
160	12.23	35.206	26.705
170	12.12	35.176	26.704
180	11.77	35.131	26.735
190	11.23	35.124	26.831
200	11.05	35.040	26.799
250	9.62	34.878	26.922
300	9.08	34.815	26.981
350	8.78	34.807	27.002
400	7.97	34.717	27.057
450	7.24	34.642	27.104
500	7.00	34.643	27.138
550	6.33	34.576	27.175
600	6.18	34.578	27.200
650	5.89	34.554	27.239
700	5.45	34.557	27.271
750	5.01	34.545	27.314
800	4.91	34.567	27.343
850	4.91	34.618	27.384
900	4.75	34.629	27.410
950	4.78	34.687	27.453
1000	4.64	34.715	27.490
1500	4.38	34.982	27.716
2000	3.61	34.977	27.808
2500	3.05	34.947	27.838
3000	2.76	34.930	27.851
3488	2.60	34.918	27.858

BAL-STACS39-91 CTD 41 BALDRIGE
Date 07 01 91 Latitude 4.212N
Time 2034 Z Longitude 44.031W



Prs	Tem	Sal	SigT
0	28.22	35.792	22.921
10	28.17	35.787	22.933
20	27.67	36.031	23.281
30	27.32	36.176	23.503
40	27.20	36.191	23.553
50	27.17	36.199	23.567
60	27.02	36.220	23.634
70	26.72	36.288	23.781
80	25.98	36.362	24.070
90	22.87	36.538	25.139
100	19.70	36.450	25.949
110	18.12	36.151	26.126
120	16.13	35.837	26.363
130	15.29	35.591	26.364
140	15.07	35.541	26.374
150	14.84	35.526	26.392
160	14.75	35.524	26.432
170	14.39	35.522	26.508
180	13.95	35.479	26.569
190	13.15	35.389	26.665
200	12.41	35.274	26.722
250	11.01	35.110	26.860
300	9.89	34.917	26.940
350	8.21	34.727	27.029
400	7.41	34.658	27.092
450	7.00	34.632	27.129
500	6.61	34.598	27.155
550	6.45	34.617	27.192
600	5.81	34.581	27.245
650	5.17	34.505	27.264
700	5.16	34.531	27.285
750	5.07	34.582	27.321
800	4.92	34.563	27.338
850	4.79	34.589	27.374
900	4.76	34.631	27.411
950	4.70	34.665	27.444
1000	4.68	34.705	27.479
1500	4.47	34.995	27.731
2000	3.56	34.975	27.811
2500	3.12	34.953	27.837
3000	2.78	34.932	27.852
3500	2.57	34.918	27.859
4000	2.31	34.898	27.864
4226	2.17	34.881	27.863

BAL-STACS39-91 CTD 42 BALDRIGE
Date 07 02 91 Latitude 3.749N
Time 0243 Z Longitude 44.019W

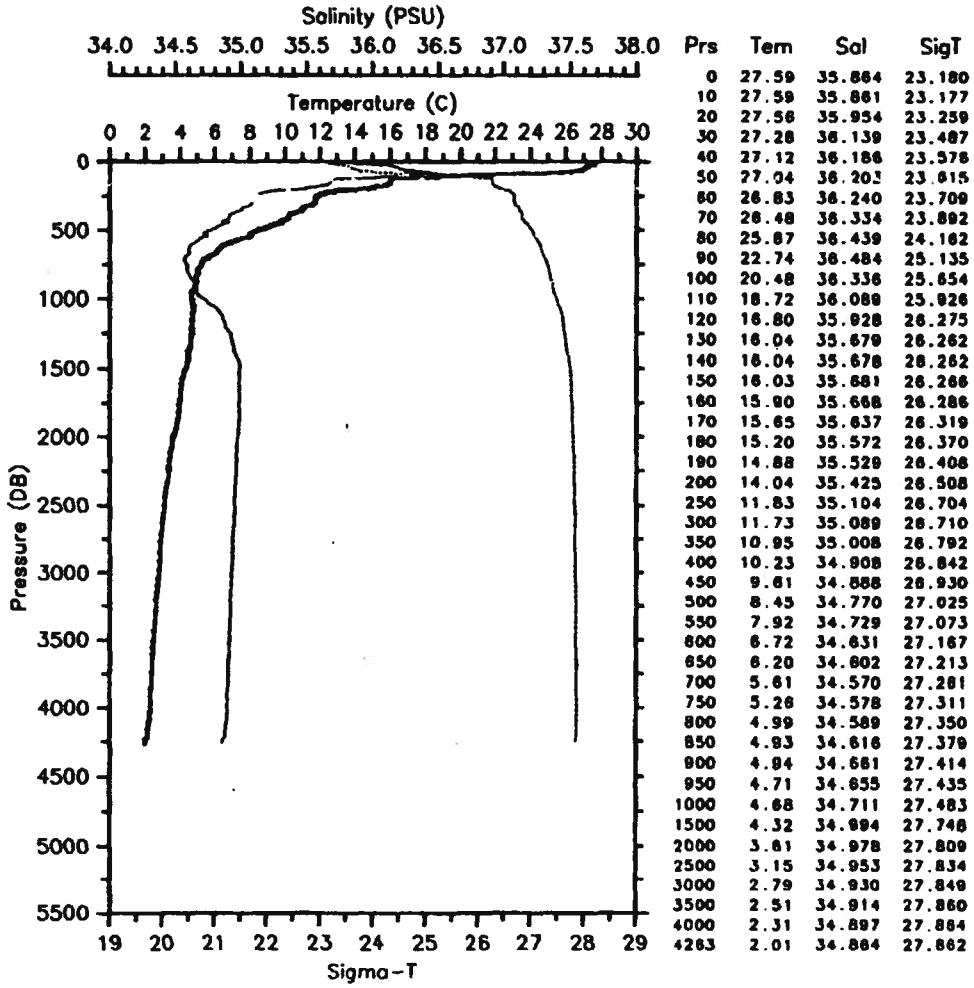


Prs	Tem	Sal	SigT
0	27.83	35.928	23.152
10	27.80	35.937	23.187
20	27.43	36.126	23.429
30	27.19	36.185	23.537
40	27.08	36.215	23.614
50	27.00	36.233	23.636
60	27.00	36.228	23.647
70	26.68	36.282	23.796
80	25.40	36.420	24.293
90	22.34	36.515	25.275
100	20.25	36.307	25.695
110	18.17	36.075	26.055
120	17.36	35.900	26.120
130	15.81	35.721	26.323
140	15.43	35.594	26.335
150	15.22	35.559	26.358
160	14.94	35.527	26.392
170	14.29	35.443	26.470
180	13.23	35.292	26.574
190	13.09	35.271	26.587
200	12.91	35.247	26.604
250	12.02	35.134	26.689
300	11.59	35.087	26.734
350	9.95	34.985	26.934
400	9.25	34.870	26.976
450	8.75	34.806	27.006
500	7.89	34.693	27.079
550	6.94	34.647	27.150
600	6.30	34.604	27.201
650	5.70	34.593	27.269
700	5.28	34.586	27.314
750	5.05	34.590	27.345
800	4.84	34.576	27.358
850	4.72	34.593	27.385
900	4.73	34.645	27.425
950	4.77	34.697	27.462
1000	4.72	34.735	27.497
1500	4.31	34.981	27.738
2000	3.63	34.977	27.806
2500	3.12	34.953	27.836
3000	2.79	34.933	27.850
3500	2.55	34.915	27.858
4000	2.38	34.903	27.862
4277	1.98	34.860	27.861

BAL-STACS39-91 CTD 43 BALDRIGE

Date 07 02 91 Latitude 3.279N

Time 0704 Z Longitude 44.011W

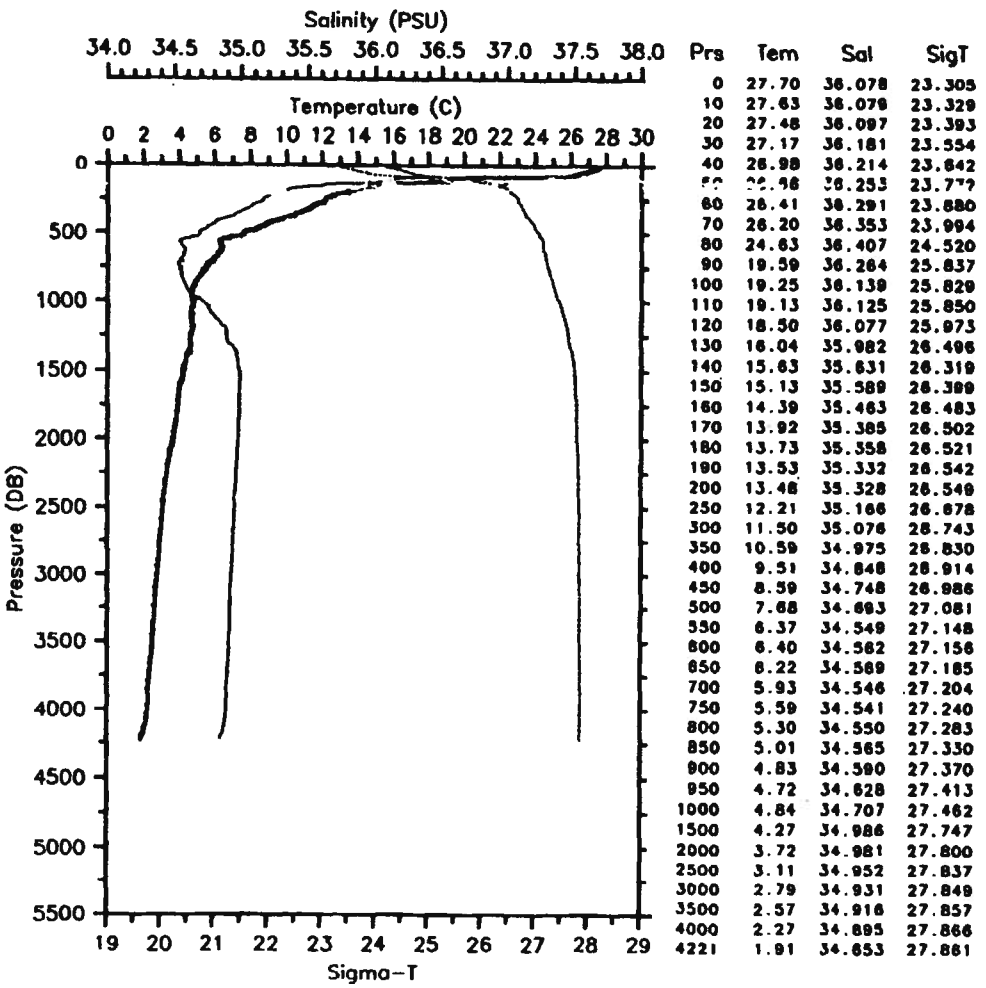


Prs	Tem	Sal	SigT
0	27.59	35.864	23.180
10	27.59	35.861	23.177
20	27.56	35.954	23.259
30	27.28	36.139	23.487
40	27.12	36.186	23.576
50	27.04	36.203	23.615
60	26.83	36.240	23.709
70	26.48	36.334	23.892
80	25.87	36.439	24.162
90	22.74	36.484	25.135
100	20.48	36.336	25.654
110	18.72	36.089	25.926
120	16.80	35.928	26.275
130	16.04	35.679	26.262
140	16.04	35.678	26.262
150	16.03	35.681	26.266
160	15.90	35.668	26.286
170	15.65	35.637	26.319
180	15.20	35.572	26.370
190	14.88	35.529	26.408
200	14.04	35.425	26.508
250	11.83	35.104	26.704
300	11.73	35.089	26.710
350	10.95	35.008	26.792
400	10.23	34.908	26.842
450	9.61	34.888	26.930
500	8.45	34.770	27.025
550	7.92	34.729	27.073
600	6.72	34.631	27.167
650	6.20	34.802	27.213
700	5.61	34.570	27.281
750	5.28	34.578	27.311
800	4.99	34.589	27.350
850	4.93	34.616	27.379
900	4.84	34.681	27.414
950	4.71	34.655	27.435
1000	4.68	34.711	27.483
1500	4.32	34.894	27.748
2000	3.81	34.978	27.809
2500	3.15	34.953	27.834
3000	2.79	34.930	27.849
3500	2.51	34.914	27.860
4000	2.31	34.897	27.864
4283	2.01	34.884	27.862

BAL-STACS39-91 CTD 44 BALDRIGE

Date 07 02 91 Latitude 2.621N

Time 1406 Z Longitude 44.022W

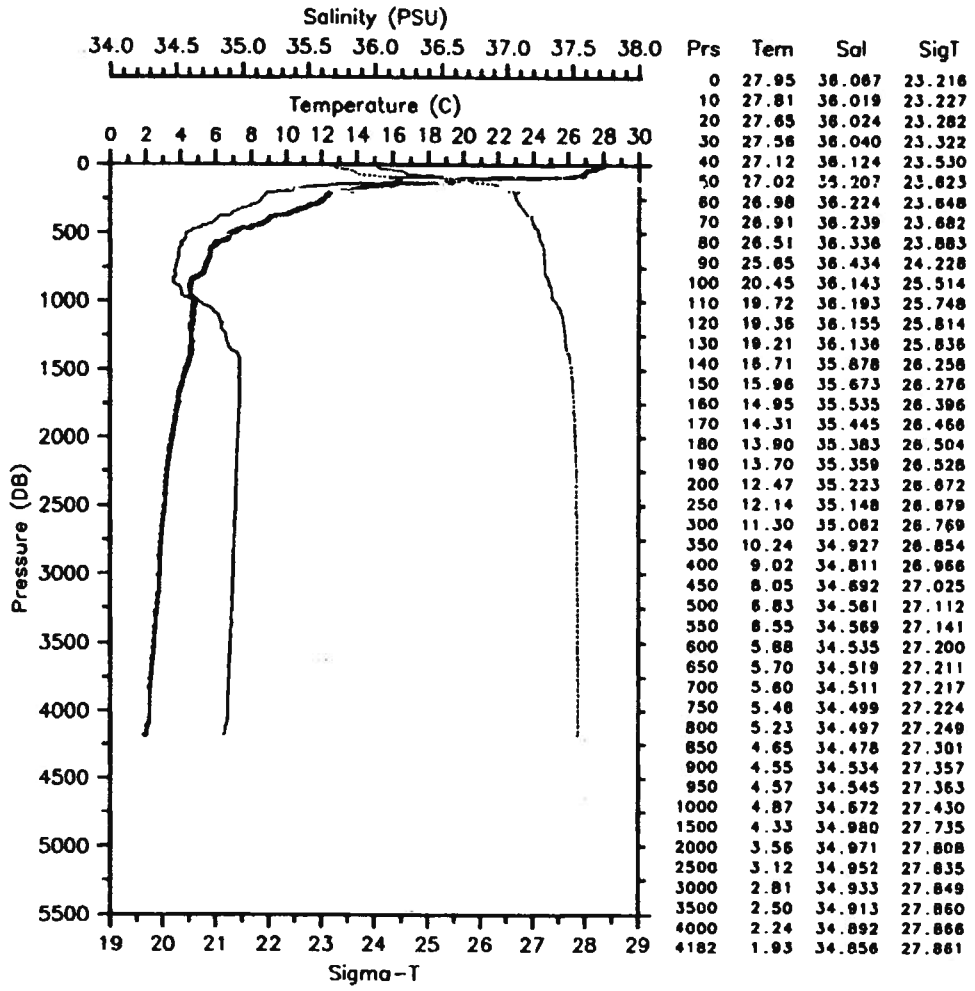


Prs	Tem	Sal	SigT
0	27.70	36.078	23.305
10	27.63	36.079	23.329
20	27.48	36.097	23.393
30	27.17	36.181	23.554
40	26.98	36.214	23.642
50	26.46	36.253	23.772
60	26.41	36.291	23.880
70	26.20	36.353	23.994
80	24.63	36.407	24.520
90	19.59	36.284	25.837
100	19.25	36.139	25.829
110	19.13	36.125	25.850
120	18.50	36.077	25.973
130	16.04	35.982	26.496
140	15.63	35.631	26.319
150	15.13	35.589	26.389
160	14.39	35.463	26.483
170	13.92	35.385	26.502
180	13.73	35.358	26.521
190	13.53	35.332	26.542
200	13.48	35.328	26.549
250	12.21	35.166	26.678
300	11.50	35.076	26.743
350	10.59	34.975	26.830
400	9.51	34.848	26.914
450	8.59	34.748	26.986
500	7.68	34.693	27.081
550	6.37	34.549	27.148
600	6.40	34.562	27.156
650	6.22	34.589	27.185
700	5.93	34.546	27.204
750	5.59	34.541	27.240
800	5.30	34.550	27.283
850	5.01	34.565	27.330
900	4.83	34.590	27.370
950	4.72	34.628	27.413
1000	4.84	34.707	27.462
1500	4.27	34.986	27.747
2000	3.72	34.981	27.800
2500	3.11	34.952	27.837
3000	2.79	34.931	27.849
3500	2.57	34.916	27.857
4000	2.27	34.895	27.866
4221	1.91	34.853	27.881

BAL-STACS39-91 CTD 45 BALDRIGE

Date 07 02 91 Latitude 1.950N

Time 2051 Z Longitude 44.031W

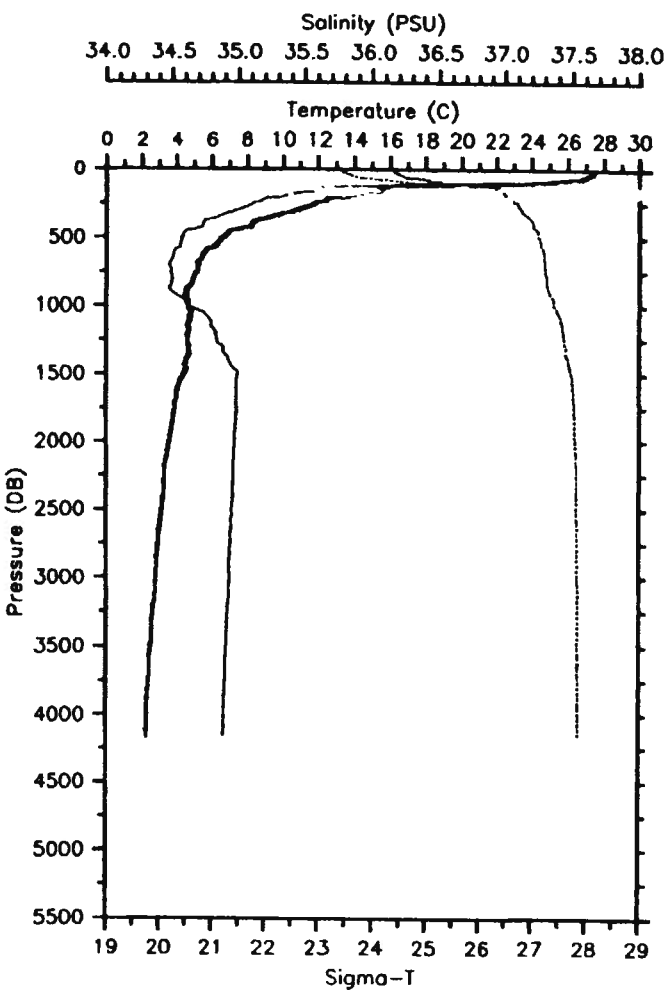


Prs	Tem	Sal	SigT
0	27.95	36.067	23.216
10	27.81	36.019	23.227
20	27.65	36.024	23.282
30	27.56	36.040	23.322
40	27.12	36.124	23.530
50	27.02	36.207	23.623
60	26.98	36.224	23.648
70	26.91	36.239	23.682
80	26.51	36.336	23.883
90	25.65	36.434	24.228
100	20.45	36.143	25.514
110	19.72	36.193	25.748
120	19.36	36.155	25.814
130	19.21	36.136	25.836
140	18.71	35.878	26.258
150	15.96	35.673	26.276
160	14.95	35.535	26.396
170	14.31	35.445	26.466
180	13.90	35.383	26.504
190	13.70	35.359	26.528
200	12.47	35.223	26.672
250	12.14	35.148	26.679
300	11.30	35.082	26.769
350	10.24	34.927	26.854
400	9.02	34.811	26.966
450	8.05	34.692	27.025
500	6.83	34.561	27.112
550	6.55	34.569	27.141
600	5.88	34.535	27.200
650	5.70	34.519	27.211
700	5.60	34.511	27.217
750	5.46	34.499	27.224
800	5.23	34.497	27.249
850	4.65	34.478	27.301
900	4.55	34.534	27.357
950	4.57	34.545	27.363
1000	4.87	34.672	27.430
1500	4.33	34.980	27.735
2000	3.56	34.971	27.808
2500	3.12	34.952	27.835
3000	2.81	34.933	27.849
3500	2.50	34.913	27.860
4000	2.24	34.892	27.866
4182	1.93	34.856	27.861

BAL-STACS39-91 CTD 46 BALDRIGE

Date 07 03 91 Latitude 1.407N

Time 0338 Z Longitude 44.040W

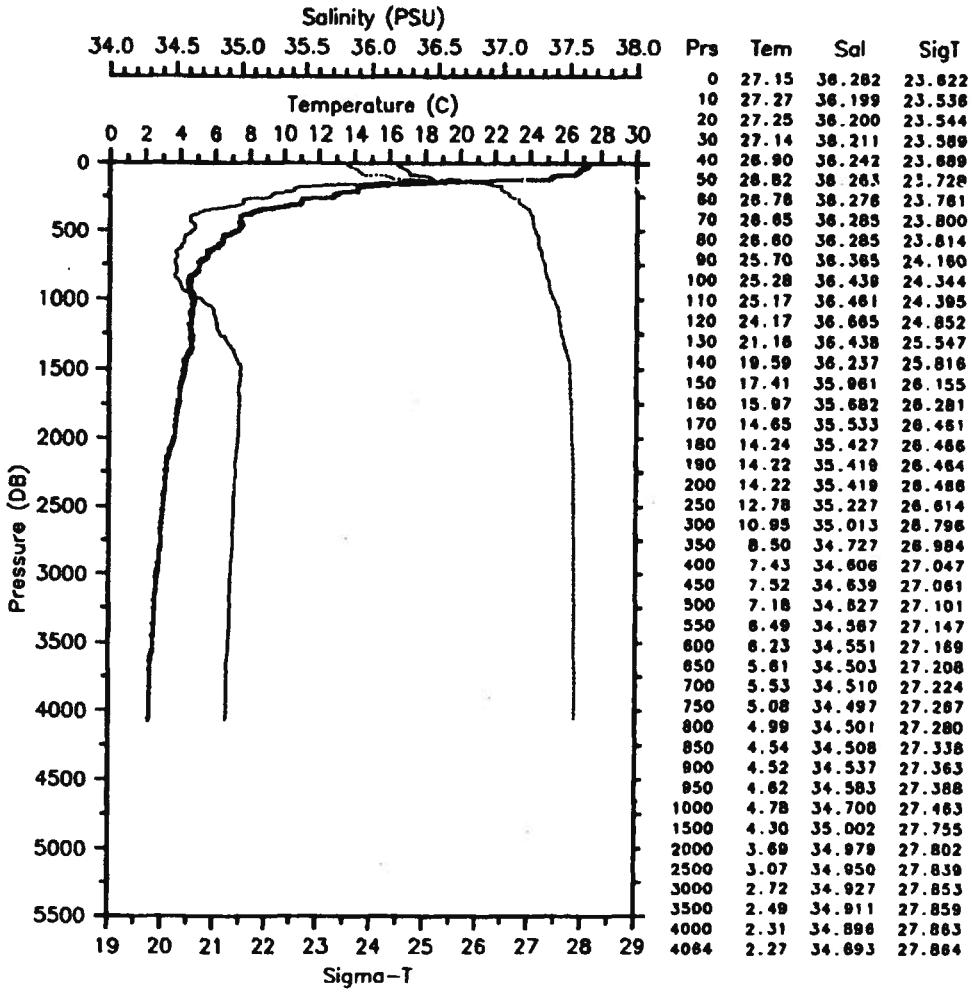


Prs	Tem	Sal	SigT
0	27.39	36.230	23.522
10	27.46	36.161	23.447
20	27.44	36.162	23.454
30	27.29	36.181	23.517
40	27.11	36.205	23.591
50	26.97	36.227	23.654
60	26.78	36.253	23.736
70	26.15	36.396	24.042
80	25.41	36.427	24.296
90	24.57	36.507	24.614
100	23.00	36.455	25.038
110	19.57	36.222	25.809
120	18.76	36.130	25.948
130	15.66	35.660	26.334
140	15.54	35.610	26.323
150	15.48	35.602	26.331
160	15.31	35.579	26.349
170	14.42	35.474	26.466
180	14.02	35.409	26.500
190	13.75	35.374	26.529
200	13.42	35.323	26.558
250	11.79	35.112	26.717
300	10.70	34.988	26.820
350	9.27	34.844	26.952
400	8.29	34.730	27.018
450	7.05	34.604	27.100
500	6.59	34.576	27.142
550	6.30	34.560	27.166
600	5.61	34.515	27.218
650	5.42	34.498	27.228
700	5.19	34.477	27.239
750	5.19	34.487	27.247
800	4.96	34.499	27.283
850	4.83	34.488	27.289
900	4.53	34.498	27.331
950	4.54	34.579	27.394
1000	4.61	34.623	27.420
1500	4.41	34.991	27.735
2000	3.59	34.973	27.806
2500	3.15	34.954	27.834
3000	2.81	34.933	27.849
3500	2.49	34.912	27.861
4000	2.28	34.896	27.865
4155	2.26	34.891	27.864

BAL-STACS39-91 CTD 47 BALDRIGE

Date 07 03 91 Latitude 0.868N

Time 0853 Z Longitude 44.041W

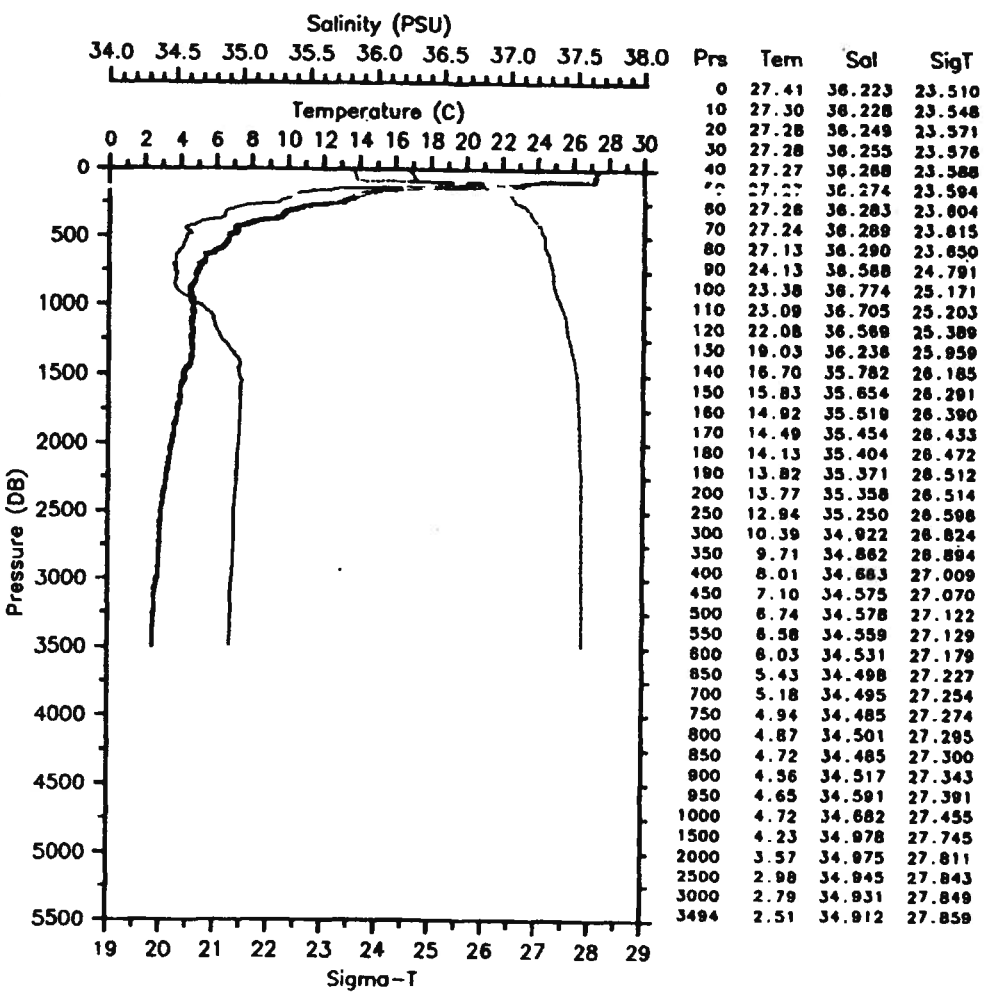


Prs	Tem	Sal	SigT
0	27.15	36.282	23.622
10	27.27	36.199	23.536
20	27.25	36.200	23.544
30	27.14	36.211	23.589
40	26.90	36.242	23.689
50	26.82	36.263	23.728
60	26.78	36.276	23.761
70	26.65	36.285	23.800
80	26.60	36.285	23.814
90	25.70	36.365	24.160
100	25.28	36.438	24.344
110	25.17	36.461	24.395
120	24.17	36.665	24.852
130	21.16	36.438	25.547
140	19.59	36.237	25.816
150	17.41	35.961	26.155
160	15.97	35.682	26.281
170	14.65	35.533	26.461
180	14.24	35.427	26.486
190	14.22	35.419	26.484
200	14.22	35.419	26.486
250	12.78	35.227	26.614
300	10.95	35.013	26.796
350	8.50	34.727	26.984
400	7.43	34.606	27.047
450	7.52	34.639	27.061
500	7.18	34.627	27.101
550	6.49	34.587	27.147
600	6.23	34.551	27.169
650	5.81	34.503	27.208
700	5.53	34.510	27.224
750	5.08	34.497	27.267
800	4.99	34.501	27.280
850	4.54	34.508	27.338
900	4.52	34.537	27.363
950	4.62	34.583	27.388
1000	4.78	34.700	27.463
1500	4.30	35.002	27.755
2000	3.69	34.979	27.802
2500	3.07	34.950	27.839
3000	2.72	34.927	27.853
3500	2.49	34.911	27.859
4000	2.31	34.898	27.863
4084	2.27	34.893	27.864

BAL-STACS39-91 CTD 48 BALDRIGE

Date 07 03 91 Latitude 0.503N

Time 1451 Z Longitude 44.214W

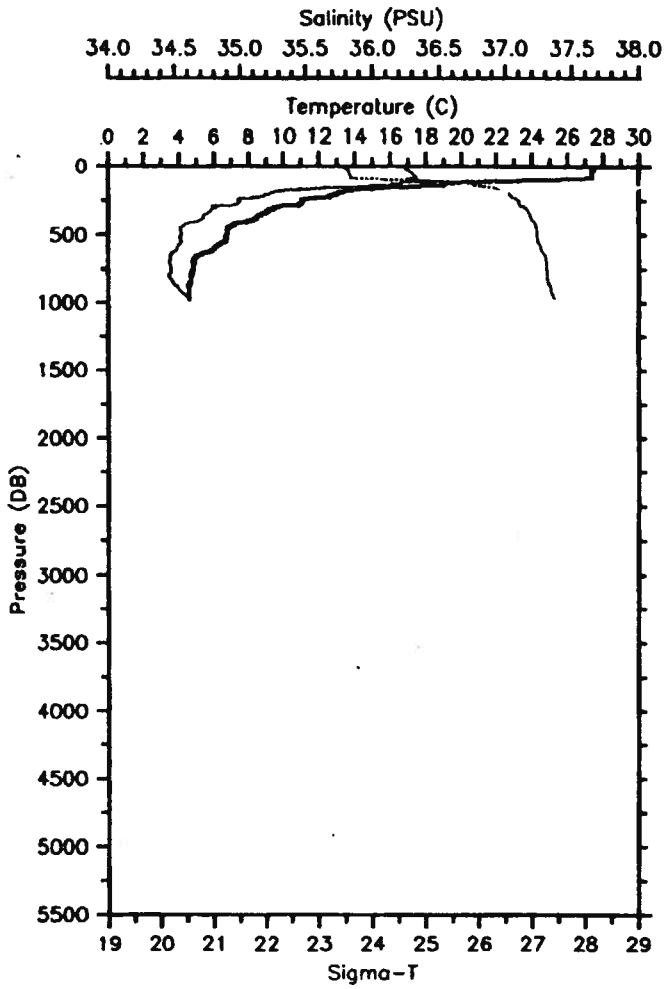


Prs	Tem	Sal	SigT
0	27.41	36.223	23.510
10	27.30	36.228	23.548
20	27.28	36.249	23.571
30	27.28	36.255	23.576
40	27.27	36.268	23.588
[illegible]	[illegible]	36.274	23.594
60	27.28	36.283	23.604
70	27.24	36.289	23.615
80	27.13	36.290	23.650
90	24.13	36.588	24.791
100	23.38	36.774	25.171
110	23.09	36.705	25.203
120	22.08	36.569	25.389
130	19.03	36.238	25.959
140	16.70	35.782	26.185
150	15.83	35.654	26.291
160	14.92	35.519	26.390
170	14.49	35.454	26.433
180	14.13	35.404	26.472
190	13.82	35.371	26.512
200	13.77	35.358	26.514
250	12.94	35.250	26.598
300	10.39	34.922	26.824
350	9.71	34.862	26.894
400	8.01	34.683	27.009
450	7.10	34.575	27.070
500	6.74	34.578	27.122
550	6.58	34.559	27.129
600	6.03	34.531	27.179
650	5.43	34.498	27.227
700	5.18	34.495	27.254
750	4.94	34.485	27.274
800	4.87	34.501	27.295
850	4.72	34.485	27.300
900	4.56	34.517	27.343
950	4.65	34.591	27.391
1000	4.72	34.682	27.455
1500	4.23	34.978	27.745
2000	3.57	34.975	27.811
2500	2.98	34.945	27.843
3000	2.79	34.931	27.849
3494	2.51	34.912	27.859

BAL-STACS39-91 CTD 49 BALDRIGE

Date 07 03 91 Latitude 0.142N

Time 2058 Z Longitude 44.387W

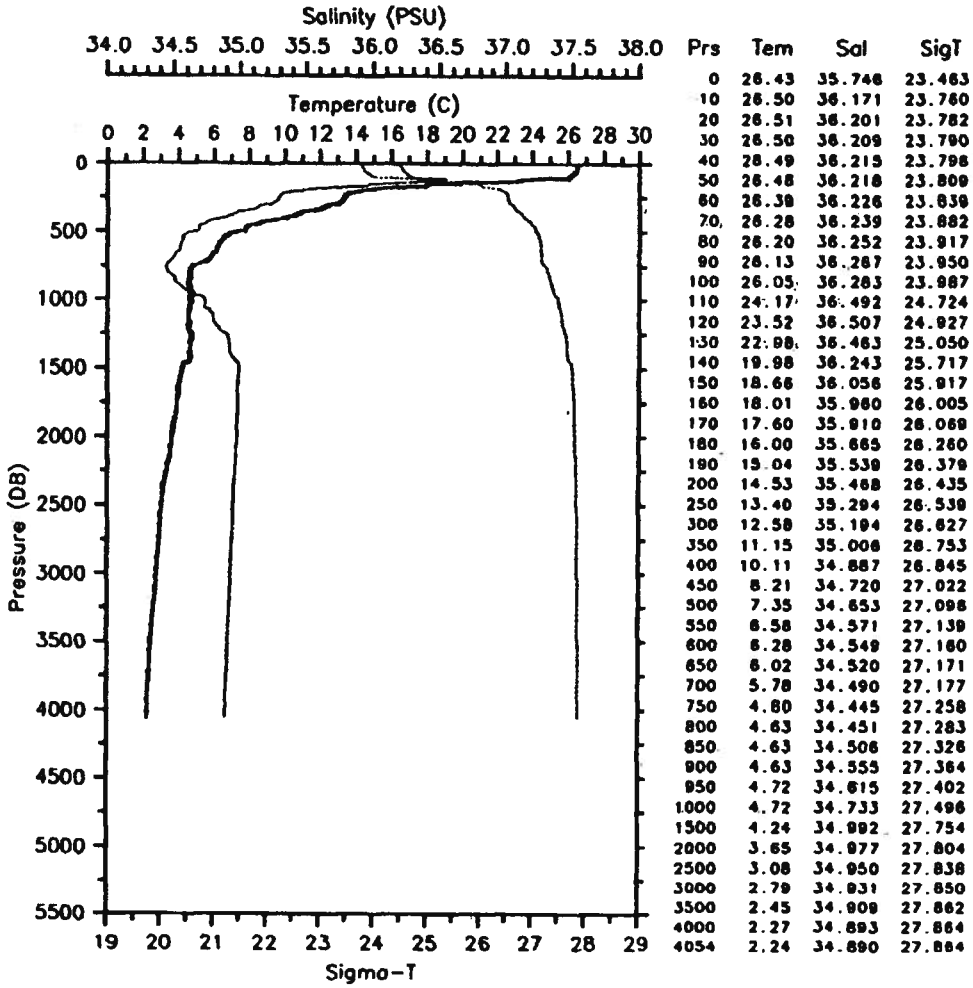


Prs	Tem	Sal	SigT
0	27.53	36.249	23.488
10	27.55	36.245	23.482
20	27.48	36.249	23.505
30	27.41	36.270	23.544
40	27.40	36.287	23.561
50	27.40	36.300	23.571
60	27.40	36.311	23.578
70	27.40	36.323	23.587
80	27.39	36.332	23.598
90	26.58	36.259	23.803
100	24.87	36.306	24.372
110	22.24	36.507	25.296
120	19.73	36.231	25.774
130	19.05	36.157	25.894
140	18.93	36.127	25.902
150	17.28	35.908	26.145
160	15.64	35.647	26.328
170	14.34	35.464	26.475
180	13.59	35.326	26.526
190	13.17	35.264	26.583
200	12.98	35.233	26.578
250	11.10	34.998	26.757
300	9.54	34.820	26.889
350	8.77	34.742	26.954
400	7.95	34.679	27.031
450	6.80	34.548	27.089
500	6.74	34.551	27.100
550	6.53	34.549	27.127
600	6.02	34.522	27.172
650	5.05	34.470	27.249
700	4.83	34.463	27.269
750	4.86	34.478	27.278
800	4.70	34.460	27.281
850	4.68	34.480	27.306
900	4.61	34.540	27.354
950	4.62	34.600	27.401
969	4.61	34.622	27.419

BAL-STACS40-91 CTD 1 BALDRIGE

Date 09 07 91 Latitude 0.865N

Time 2243 Z Longitude 44.035W

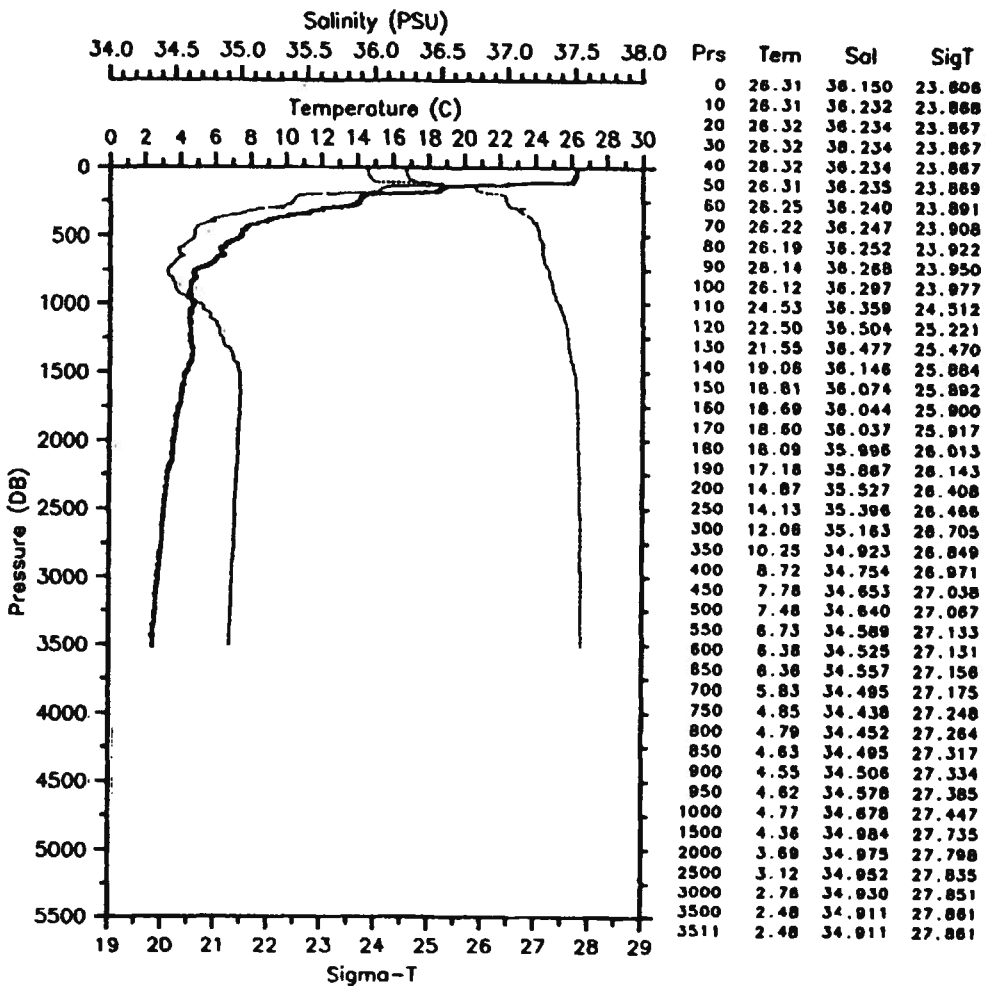


Prs	Tem	Sal	SigT
0	26.43	35.746	23.463
10	26.50	36.171	23.760
20	26.51	36.201	23.782
30	26.50	36.209	23.790
40	26.49	36.215	23.798
50	26.48	36.218	23.809
60	26.38	36.226	23.839
70	26.28	36.239	23.882
80	26.20	36.252	23.917
90	26.13	36.267	23.950
100	26.05	36.283	23.987
110	24.17	36.492	24.724
120	23.52	36.507	24.927
130	22.98	36.463	25.050
140	19.98	36.243	25.717
150	18.66	36.056	25.917
160	18.01	35.980	26.005
170	17.60	35.910	26.069
180	16.00	35.665	26.260
190	15.04	35.539	26.379
200	14.53	35.468	26.435
250	13.40	35.294	26.539
300	12.58	35.194	26.627
350	11.15	35.006	26.753
400	10.11	34.887	26.845
450	8.21	34.720	27.022
500	7.35	34.653	27.098
550	6.58	34.571	27.139
600	6.28	34.549	27.160
650	6.02	34.520	27.171
700	5.78	34.490	27.177
750	4.80	34.445	27.258
800	4.63	34.451	27.283
850	4.63	34.506	27.326
900	4.63	34.555	27.364
950	4.72	34.615	27.402
1000	4.72	34.733	27.496
1500	4.24	34.992	27.754
2000	3.65	34.977	27.804
2500	3.08	34.950	27.838
3000	2.79	34.931	27.850
3500	2.45	34.909	27.862
4000	2.27	34.893	27.864
4054	2.24	34.890	27.864

BAL-STACS40-91 CTD 2 BALDRIGE

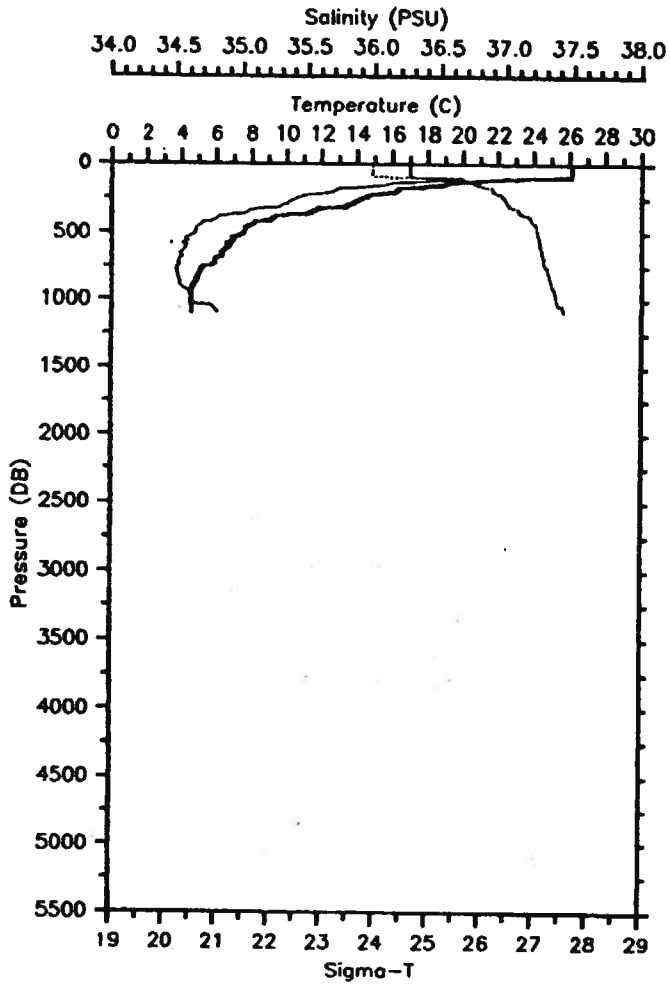
Date 09 08 91 Latitude 0.504N

Time 0451 Z Longitude 44.216W



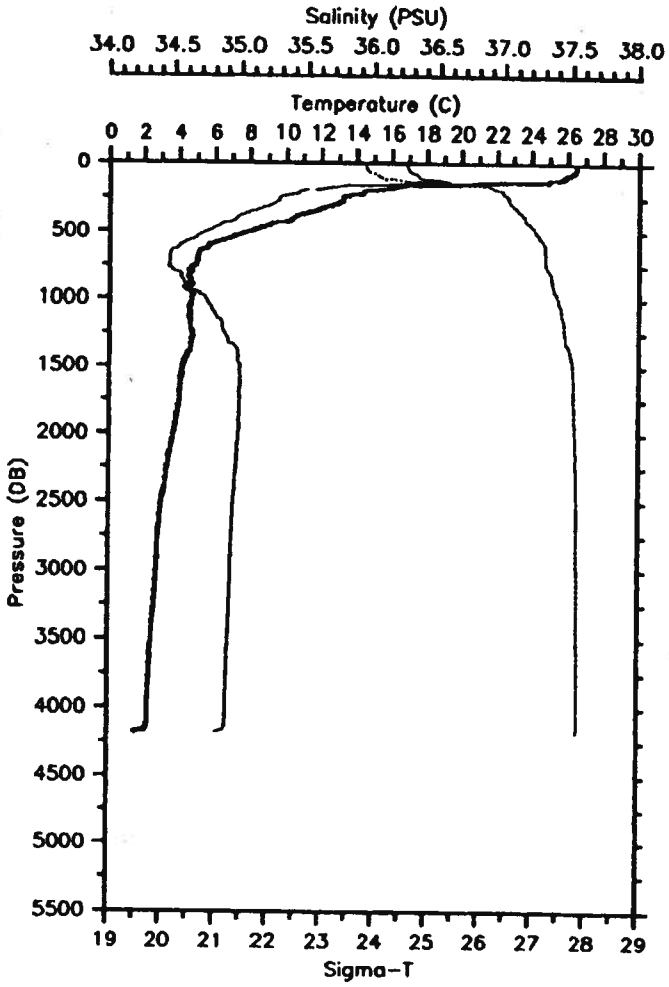
Prs	Tem	Sal	SigT
0	26.31	36.150	23.606
10	26.31	36.232	23.668
20	26.32	36.234	23.667
30	26.32	36.234	23.667
40	26.32	36.234	23.667
50	26.31	36.235	23.669
60	26.25	36.240	23.691
70	26.22	36.247	23.708
80	26.19	36.252	23.722
90	26.14	36.268	23.750
100	26.12	36.297	23.777
110	24.53	36.359	24.312
120	22.50	36.504	25.221
130	21.55	36.477	25.470
140	19.08	36.146	25.884
150	18.61	36.074	25.892
160	18.69	36.044	25.900
170	18.60	36.037	25.917
180	18.09	35.996	26.013
190	17.18	35.887	26.143
200	14.87	35.527	26.408
250	14.13	35.396	26.486
300	12.08	35.163	26.705
350	10.25	34.923	26.849
400	8.72	34.754	26.971
450	7.78	34.653	27.038
500	7.48	34.640	27.067
550	6.73	34.589	27.133
600	6.38	34.525	27.131
650	6.36	34.557	27.156
700	5.83	34.495	27.175
750	4.85	34.438	27.248
800	4.79	34.452	27.264
850	4.63	34.495	27.317
900	4.55	34.506	27.334
950	4.62	34.578	27.385
1000	4.77	34.678	27.447
1500	4.36	34.984	27.735
2000	3.69	34.975	27.798
2500	3.12	34.952	27.835
3000	2.78	34.930	27.851
3500	2.48	34.911	27.861
3511	2.48	34.911	27.861

BAL-STACS40-91 CTD 3 BALDRIGE
Date 09 08 91 Latitude 0.155N
Time 1000 Z Longitude 44.420W



Prs	Tem	Sal	SigT
0	26.08	36.276	23.975
10	26.09	36.265	23.961
20	26.10	36.265	23.959
30	26.10	36.265	23.959
40	26.10	36.265	23.956
50	26.10	36.264	23.957
60	26.11	36.265	23.957
70	26.11	36.265	23.956
80	26.11	36.265	23.956
90	26.02	36.266	23.983
100	23.32	36.596	25.053
110	21.86	36.571	25.453
120	20.94	36.419	25.592
130	19.66	36.222	25.786
140	19.02	36.116	25.870
150	18.70	36.060	25.932
160	18.03	35.982	26.018
170	16.90	35.852	26.193
180	16.35	35.725	26.225
190	16.24	35.703	26.235
200	16.14	35.689	26.246
250	14.21	35.405	26.457
300	13.43	35.296	26.535
350	11.32	35.030	26.741
400	9.12	34.795	26.938
450	7.78	34.664	27.043
500	7.56	34.640	27.058
550	6.88	34.563	27.092
600	6.68	34.562	27.120
650	6.22	34.523	27.147
700	5.93	34.512	27.176
750	5.33	34.506	27.246
800	5.05	34.500	27.273
850	4.85	34.515	27.307
900	4.63	34.527	27.342
950	4.53	34.582	27.397
1000	4.51	34.602	27.415
1092	4.59	34.816	27.577

BAL-STACS40-91 CTD 4 BALDRIGE
Date 09 09 91 Latitude 1.951N
Time 0400 Z Longitude 44.035W

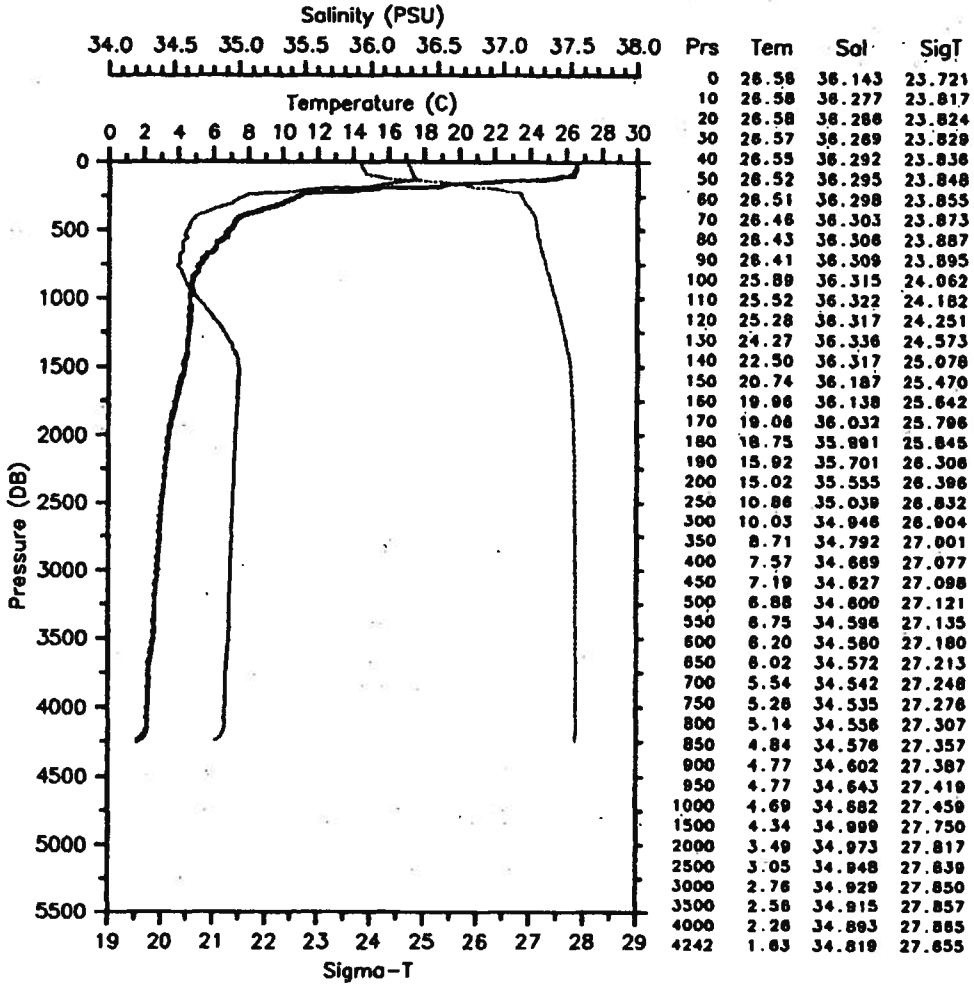


Prs	Tem	Sal	SigT
0	26.45	36.215	23.812
10	26.45	36.246	23.835
20	26.45	36.247	23.836
30	26.45	36.247	23.835
40	26.42	36.253	23.848
50	26.35	36.263	23.877
60	26.31	36.272	23.899
70	26.14	36.295	23.969
80	25.93	36.325	24.057
90	25.89	36.333	24.078
100	25.80	36.338	24.106
110	25.64	36.356	24.171
120	24.98	36.482	24.470
130	24.79	36.545	24.575
140	21.12	36.367	25.504
150	20.03	36.201	25.671
160	17.96	35.994	26.044
170	16.35	35.728	26.228
180	16.02	35.674	26.262
190	15.49	35.599	26.328
200	14.46	35.481	26.442
250	13.25	35.284	26.563
300	12.71	35.238	26.635
350	11.42	35.082	26.763
400	10.40	34.986	26.857
450	9.05	34.839	26.984
500	7.83	34.737	27.079
550	6.81	34.650	27.168
600	5.66	34.537	27.229
650	5.11	34.487	27.240
700	5.01	34.480	27.248
750	4.90	34.458	27.255
800	4.50	34.498	27.334
850	4.52	34.545	27.369
900	4.70	34.597	27.389
950	4.72	34.654	27.433
1000	4.69	34.729	27.496
1500	4.22	34.989	27.754
2000	3.69	34.978	27.801
2500	3.03	34.948	27.840
3000	2.77	34.930	27.850
3500	2.51	34.912	27.859
4000	2.29	34.896	27.864
4177	1.54	34.810	27.855

BAL-STACS40-91 CTD 5 BALDRIGE

Date 09 10 91 Latitude 3.296N

Time 0156 Z Longitude 43.961W

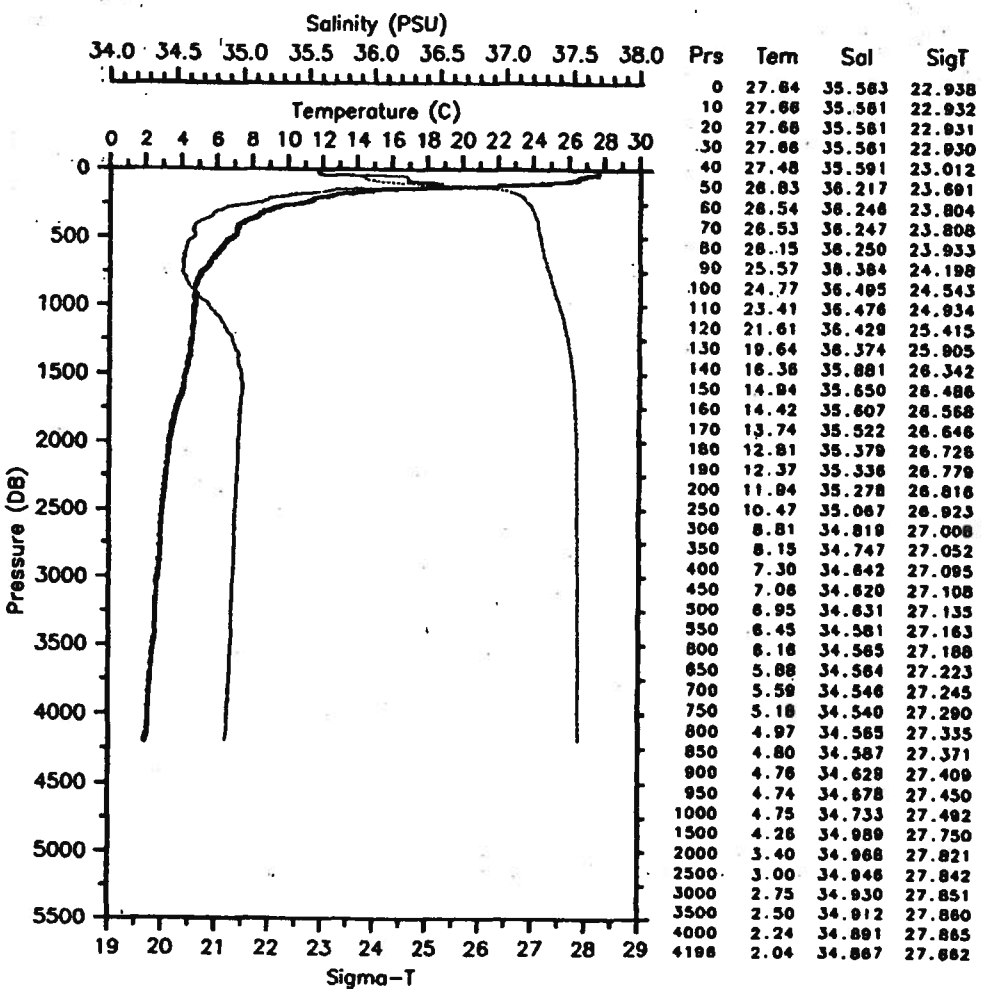


Prs	Tem	Sal	SigT
0	26.58	36.143	23.721
10	26.58	36.277	23.817
20	26.58	36.286	23.824
30	26.57	36.289	23.829
40	26.55	36.292	23.836
50	26.52	36.295	23.848
60	26.51	36.298	23.855
70	26.46	36.303	23.873
80	26.43	36.306	23.887
90	26.41	36.309	23.895
100	25.89	36.315	24.062
110	25.52	36.322	24.182
120	25.28	36.317	24.251
130	24.27	36.336	24.573
140	22.50	36.317	25.078
150	20.74	36.187	25.470
160	19.96	36.138	25.642
170	19.06	36.032	25.796
180	18.75	35.991	25.845
190	15.92	35.701	26.306
200	15.02	35.555	26.396
250	10.86	35.039	26.832
300	10.03	34.946	26.904
350	8.71	34.792	27.001
400	7.57	34.669	27.077
450	7.19	34.627	27.098
500	6.88	34.600	27.121
550	6.75	34.596	27.135
600	6.20	34.560	27.180
650	6.02	34.572	27.213
700	5.54	34.542	27.248
750	5.28	34.535	27.276
800	5.14	34.536	27.307
850	4.84	34.576	27.357
900	4.77	34.602	27.387
950	4.77	34.643	27.419
1000	4.69	34.682	27.459
1500	4.34	34.999	27.750
2000	3.49	34.973	27.817
2500	3.05	34.948	27.839
3000	2.76	34.929	27.850
3500	2.58	34.915	27.857
4000	2.26	34.893	27.865
4242	1.83	34.819	27.855

BAL-STACS40-91 CTD 6 BALDRIGE

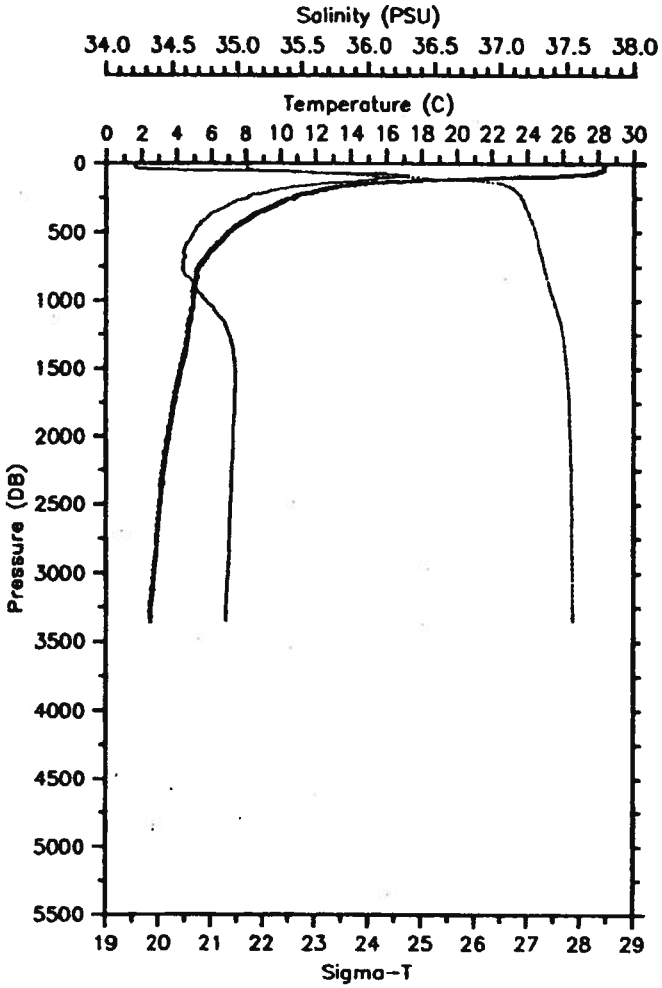
Date 09 10 91 Latitude 4.220N

Time 1037 Z Longitude 44.021W



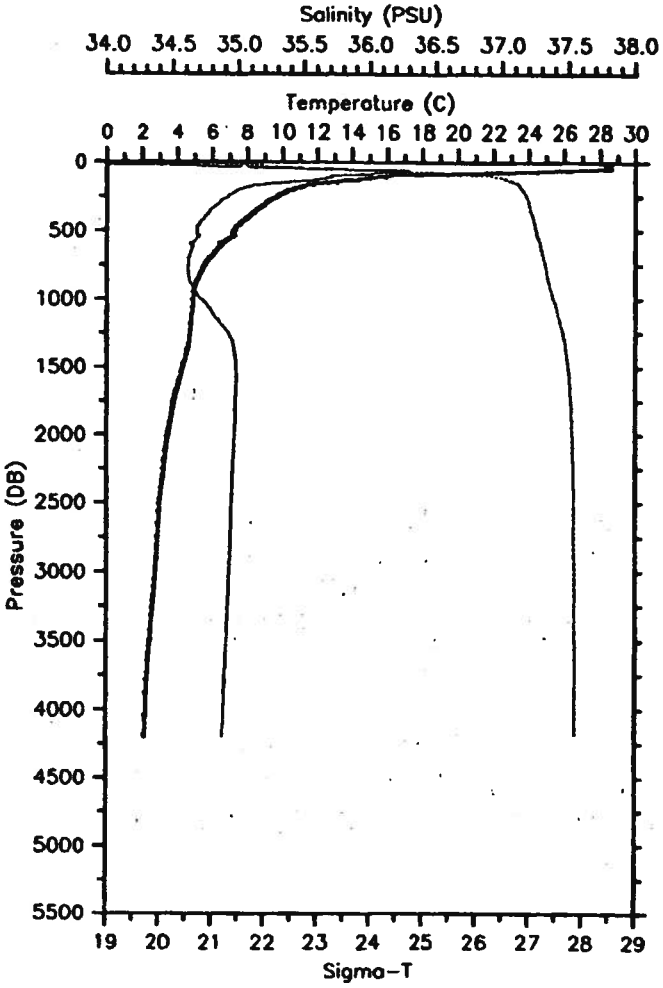
Prs	Tem	Sal	SigT
0	27.64	35.583	22.938
10	27.66	35.581	22.932
20	27.66	35.581	22.931
30	27.66	35.581	22.930
40	27.48	35.591	23.012
50	26.83	36.217	23.691
60	26.54	36.248	23.804
70	26.53	36.247	23.808
80	26.15	36.250	23.933
90	25.57	36.384	24.198
100	24.77	36.495	24.543
110	23.41	36.476	24.934
120	21.61	36.429	25.415
130	19.64	36.374	25.905
140	16.36	35.881	26.342
150	14.84	35.650	26.486
160	14.42	35.607	26.568
170	13.74	35.522	26.646
180	12.81	35.379	26.726
190	12.37	35.336	26.779
200	11.84	35.278	26.816
250	10.47	35.067	26.923
300	8.81	34.819	27.008
350	8.15	34.747	27.052
400	7.30	34.642	27.095
450	7.06	34.620	27.108
500	6.95	34.631	27.135
550	6.45	34.581	27.163
600	6.16	34.565	27.188
650	5.88	34.564	27.223
700	5.59	34.546	27.245
750	5.18	34.540	27.290
800	4.97	34.565	27.335
850	4.80	34.587	27.371
900	4.76	34.628	27.409
950	4.74	34.678	27.450
1000	4.75	34.733	27.492
1500	4.28	34.989	27.750
2000	3.40	34.968	27.821
2500	3.00	34.946	27.842
3000	2.75	34.930	27.851
3500	2.50	34.912	27.860
4000	2.24	34.891	27.865
4198	2.04	34.867	27.862

BAL-STACS40-91 CTD 7 BALDRIGE
Date 09 10 91 Latitude 5.270N
Time 1943 Z Longitude 44.021W



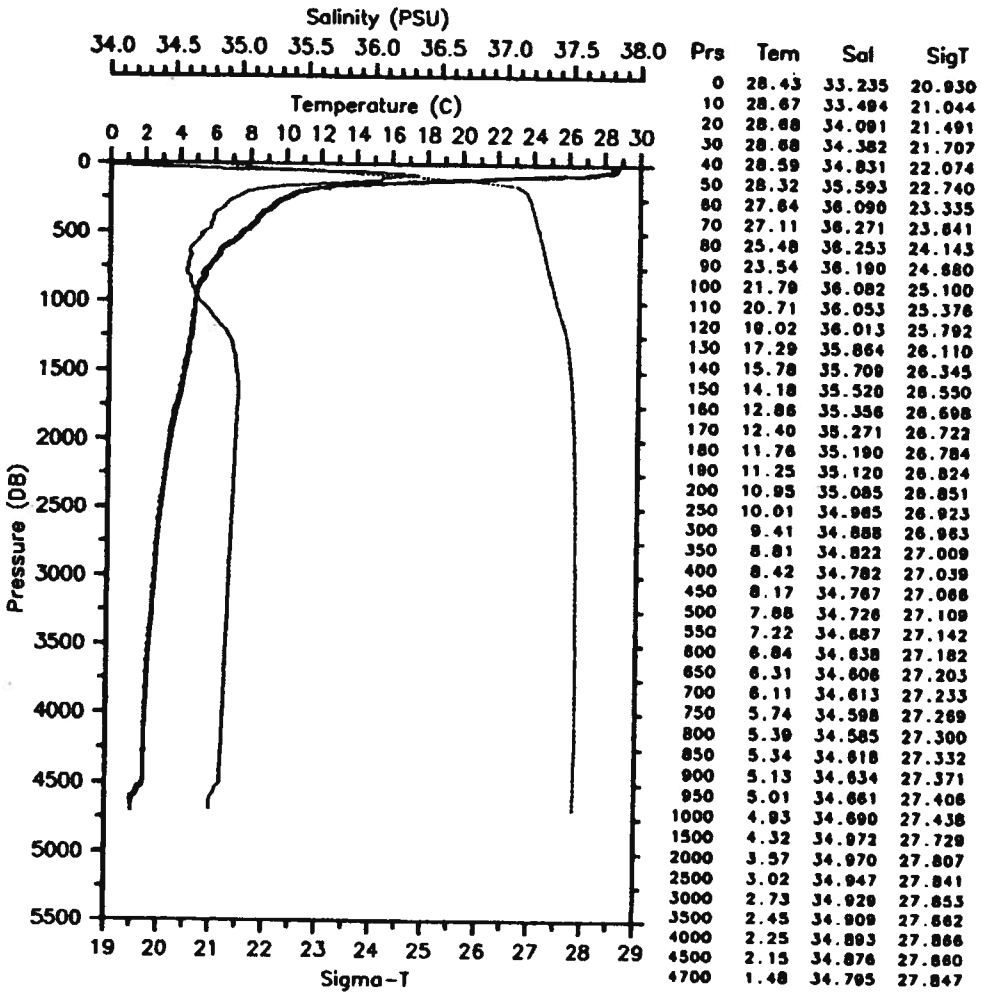
Prs	Tem	Sal	SigT
0	28.33	34.204	21.892
10	28.34	34.212	21.892
20	28.35	34.221	21.898
30	28.36	34.216	21.889
40	28.29	34.303	21.978
50	28.20	34.829	22.202
60	27.92	35.448	22.758
70	27.63	35.910	23.202
80	27.28	36.238	23.570
90	25.71	36.307	24.113
100	22.68	36.157	24.905
110	21.17	36.058	25.255
120	18.72	35.996	25.855
130	17.19	35.910	26.169
140	15.33	35.722	26.455
150	14.58	35.622	26.548
160	14.01	35.534	26.598
170	13.24	35.432	26.679
180	12.72	35.363	26.731
190	12.44	35.317	26.750
200	12.05	35.280	26.782
250	10.80	35.081	26.875
300	9.76	34.938	26.944
350	8.80	34.827	27.015
400	8.17	34.759	27.060
450	7.49	34.700	27.114
500	7.01	34.661	27.151
550	6.65	34.637	27.181
600	6.27	34.605	27.206
650	5.88	34.583	27.239
700	5.63	34.589	27.275
750	5.32	34.585	27.309
800	5.15	34.596	27.338
850	5.11	34.644	27.380
900	5.00	34.675	27.418
950	4.86	34.718	27.456
1000	4.94	34.756	27.490
1500	4.26	34.985	27.747
2000	3.54	34.973	27.812
2500	3.06	34.950	27.839
3000	2.71	34.928	27.855
3355	2.48	34.913	27.863

BAL-STACS40-91 CTD 8 BALDRIGE
Date 09 11 91 Latitude 5.964N
Time 0204 Z Longitude 44.024W



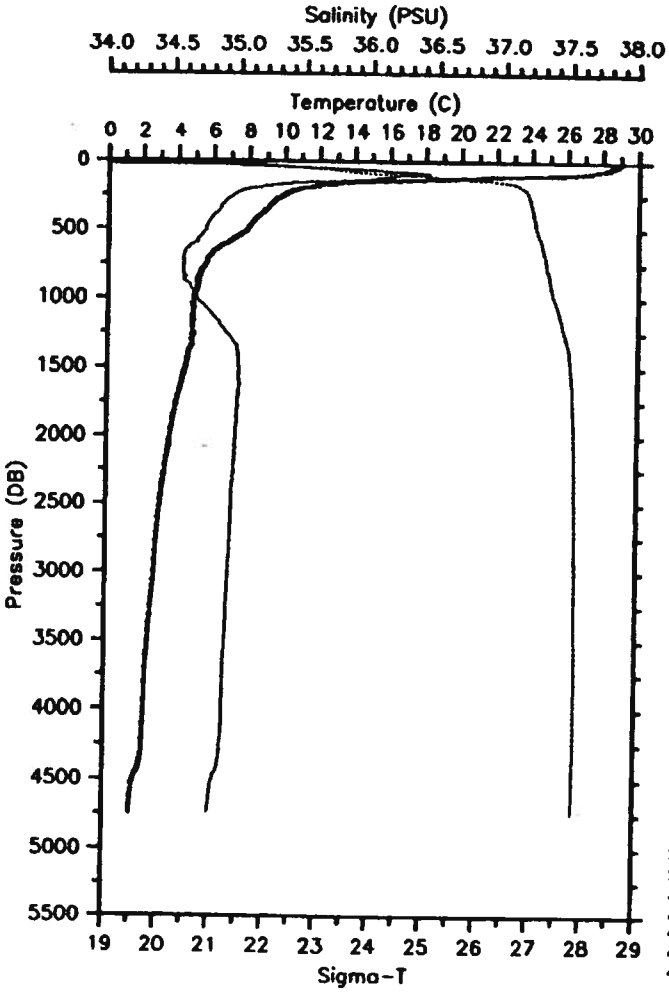
Prs	Tem	Sal	SigT
0	28.04	33.463	21.229
10	28.39	33.446	21.101
20	28.52	34.355	21.742
30	28.55	34.775	22.048
40	28.50	35.147	22.343
50	28.01	35.798	22.994
60	25.32	36.299	24.229
70	23.05	36.190	24.823
80	20.14	36.027	25.510
90	17.56	35.888	26.061
100	15.86	35.706	26.301
110	15.03	35.688	26.496
120	14.63	35.641	26.550
130	14.17	35.582	26.601
140	13.20	35.433	26.688
150	12.38	35.336	26.776
160	11.76	35.212	26.800
170	11.24	35.117	26.824
180	11.03	35.079	26.832
190	10.69	35.038	26.862
200	10.39	35.005	26.888
250	9.72	34.926	26.941
300	9.09	34.852	26.969
350	8.51	34.782	27.025
400	8.03	34.744	27.068
450	7.59	34.701	27.100
500	7.23	34.684	27.138
550	7.03	34.693	27.172
600	6.52	34.638	27.199
650	6.21	34.640	27.241
700	5.84	34.620	27.274
750	5.59	34.619	27.302
800	5.38	34.618	27.328
850	5.20	34.625	27.354
900	5.03	34.646	27.391
950	4.94	34.677	27.426
1000	4.92	34.716	27.460
1500	4.31	34.983	27.739
2000	3.50	34.971	27.815
2500	3.02	34.948	27.842
3000	2.78	34.932	27.852
3500	2.47	34.912	27.882
4000	2.23	34.893	27.897
4197	2.18	34.883	27.893

BAL-STACS40-91 CTD 9 BALDRIGE
Date 09 11 91 Latitude 6.669N
Time 1320 Z Longitude 44.041W



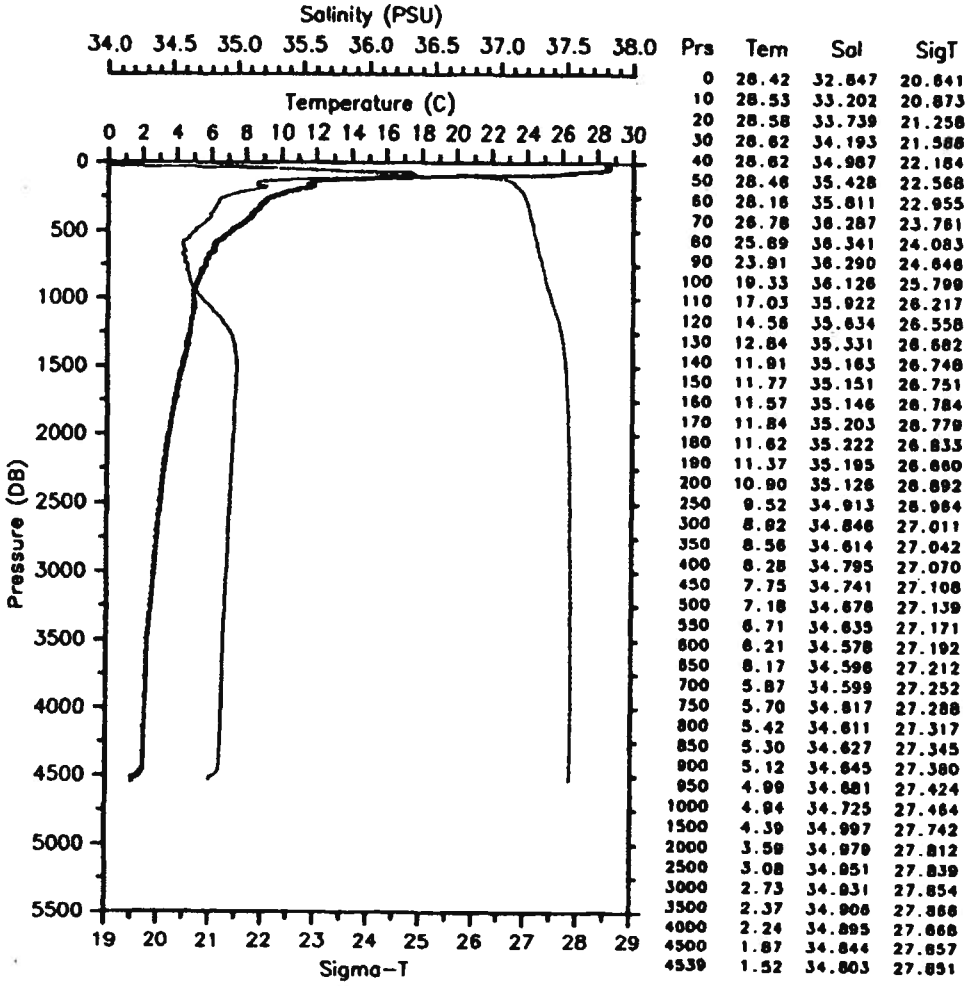
Prs	Tem	Sal	SigT
0	28.43	33.235	20.930
10	28.67	33.494	21.044
20	28.68	34.091	21.491
30	28.68	34.382	21.707
40	28.59	34.831	22.074
50	28.32	35.593	22.740
60	27.84	36.090	23.335
70	27.11	36.271	23.641
80	25.48	36.253	24.143
90	23.54	36.190	24.680
100	21.79	36.082	25.100
110	20.71	36.053	25.376
120	19.02	36.013	25.792
130	17.29	35.864	26.110
140	15.78	35.709	26.345
150	14.18	35.520	26.550
160	12.86	35.356	26.698
170	12.40	35.271	26.722
180	11.76	35.190	26.784
190	11.25	35.120	26.824
200	10.95	35.085	26.851
250	10.01	34.985	26.923
300	9.41	34.888	26.983
350	8.81	34.822	27.009
400	8.42	34.782	27.039
450	8.17	34.767	27.068
500	7.88	34.726	27.109
550	7.22	34.687	27.142
600	6.84	34.638	27.182
650	6.31	34.606	27.203
700	6.11	34.613	27.233
750	5.74	34.598	27.269
800	5.39	34.585	27.300
850	5.34	34.618	27.332
900	5.13	34.634	27.371
950	5.01	34.661	27.406
1000	4.83	34.690	27.438
1500	4.32	34.972	27.729
2000	3.57	34.970	27.807
2500	3.02	34.947	27.841
3000	2.73	34.928	27.853
3500	2.45	34.909	27.862
4000	2.25	34.893	27.866
4500	2.15	34.876	27.860
4700	1.48	34.795	27.847

BAL-STACS40-91 CTD 10 BALDRIGE
Date 09 11 91 Latitude 7.463N
Time 2003 Z Longitude 44.000W



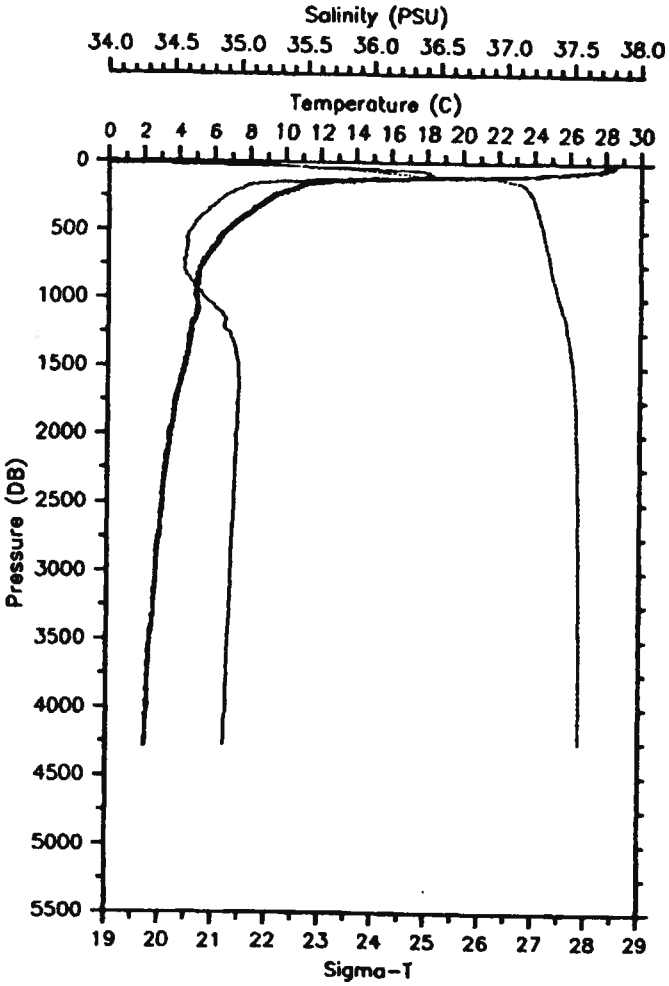
Prs	Tem	Sal	SigT
0	28.88	31.473	19.461
10	28.91	31.800	19.696
20	28.77	33.727	21.186
30	28.55	34.920	22.157
40	28.42	35.309	22.491
50	28.30	35.698	22.821
60	27.87	35.935	23.142
70	27.51	36.083	23.370
80	27.22	36.275	23.612
90	26.41	36.422	23.979
100	24.53	36.307	24.473
110	21.97	36.170	25.116
120	20.38	36.109	25.507
130	19.16	36.020	25.761
140	17.19	35.904	26.164
150	15.25	35.687	26.448
160	13.20	35.391	26.656
170	12.51	35.298	26.722
180	11.98	35.212	26.762
190	11.53	35.163	26.805
200	10.85	35.098	26.859
250	9.92	34.949	26.926
300	9.37	34.886	26.969
350	9.01	34.850	27.000
400	8.57	34.802	27.031
450	8.20	34.766	27.060
500	7.92	34.749	27.089
550	7.38	34.707	27.135
600	6.78	34.668	27.188
650	6.11	34.591	27.218
700	5.79	34.577	27.245
750	5.62	34.576	27.265
800	5.35	34.575	27.297
850	5.13	34.587	27.333
900	5.16	34.623	27.357
950	5.08	34.648	27.389
1000	4.95	34.676	27.425
1500	4.50	34.994	27.728
2000	3.62	34.977	27.807
2500	3.10	34.952	27.838
3000	2.79	34.933	27.851
3500	2.48	34.911	27.861
4000	2.29	34.897	27.868
4500	1.77	34.833	27.855
4742	1.54	34.803	27.849

BAL-STACS40-91 CTD 11 BALDRIGE
Date 09 12 91 Latitude 6.957N
Time 0310 Z Longitude 44.700W



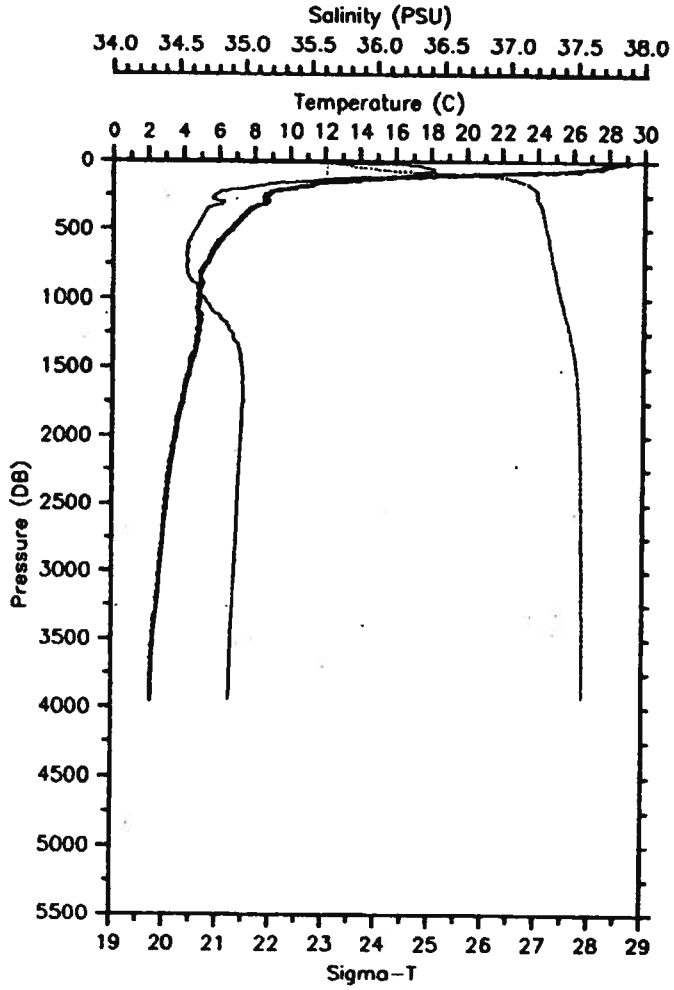
Prs	Tem	Sal	SigT
0	28.42	32.647	20.641
10	28.53	33.202	20.873
20	28.58	33.739	21.258
30	28.62	34.193	21.588
40	28.62	34.987	22.184
50	28.46	35.428	22.568
60	28.16	35.811	22.955
70	26.78	36.287	23.781
80	25.89	36.341	24.083
90	23.91	36.290	24.648
100	19.33	36.126	25.799
110	17.03	35.922	26.217
120	14.58	35.634	26.558
130	12.84	35.331	26.682
140	11.91	35.163	26.748
150	11.77	35.151	26.751
160	11.57	35.146	26.784
170	11.84	35.203	26.779
180	11.62	35.222	26.835
190	11.37	35.195	26.860
200	10.90	35.126	26.892
250	9.52	34.913	26.984
300	8.92	34.846	27.011
350	8.56	34.814	27.042
400	8.28	34.795	27.070
450	7.75	34.741	27.108
500	7.18	34.678	27.139
550	6.71	34.635	27.171
600	6.21	34.578	27.192
650	8.17	34.598	27.212
700	5.87	34.599	27.252
750	5.70	34.617	27.288
800	5.42	34.611	27.317
850	5.30	34.627	27.345
900	5.12	34.645	27.380
950	4.99	34.681	27.424
1000	4.84	34.725	27.464
1500	4.39	34.997	27.742
2000	3.59	34.979	27.812
2500	3.08	34.951	27.839
3000	2.73	34.931	27.854
3500	2.37	34.906	27.868
4000	2.24	34.895	27.868
4500	1.87	34.844	27.857
4539	1.52	34.803	27.851

BAL-STACS40-91 CTD 12 BALDRIGE
Date 09 12 91 Latitude 6.418N
Time 0958 Z Longitude 45.453W



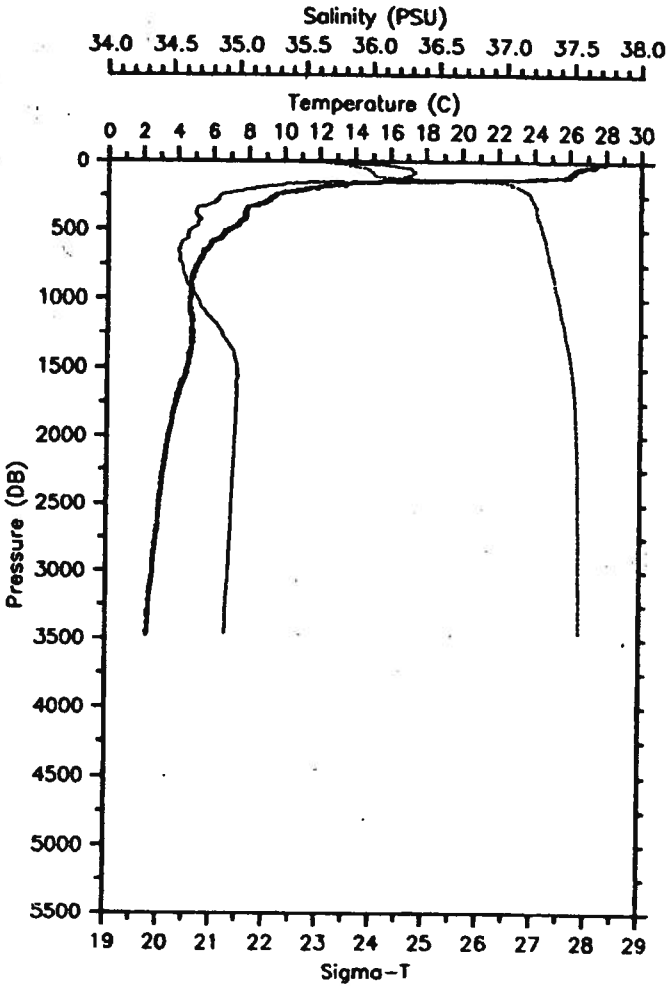
Prs	Tem	Sal	SigT
0	27.88	32.648	20.643
10	28.45	33.243	20.928
20	28.44	34.241	21.881
30	28.24	35.024	22.335
40	28.00	35.607	22.854
50	27.68	36.021	23.270
60	26.85	36.347	23.783
70	25.92	36.412	24.128
80	24.81	36.410	24.466
90	24.15	36.431	24.683
100	21.08	36.428	25.561
110	19.37	36.304	25.923
120	16.60	35.913	26.312
130	14.66	35.584	26.504
140	13.64	35.447	26.609
150	12.22	35.268	26.755
160	11.32	35.133	26.821
170	10.93	35.053	26.830
180	10.74	35.024	26.842
190	10.55	35.018	26.870
200	10.38	35.005	26.890
250	9.33	34.879	26.970
300	8.81	34.823	27.010
350	8.23	34.759	27.050
400	7.82	34.692	27.089
450	7.12	34.658	27.132
500	6.73	34.628	27.164
550	6.37	34.603	27.192
600	6.14	34.602	27.221
650	5.83	34.595	27.254
700	5.61	34.588	27.278
750	5.35	34.580	27.301
800	5.14	34.573	27.320
850	5.09	34.608	27.355
900	5.04	34.649	27.392
950	5.01	34.685	27.424
1000	4.89	34.722	27.456
1500	4.37	34.983	27.733
2000	3.53	34.970	27.811
2500	3.09	34.953	27.839
3000	2.74	34.931	27.854
3500	2.43	34.910	27.864
4000	2.26	34.895	27.867
4271	2.15	34.879	27.863

BAL-STACS40-91 CTD 13 BALDRIGE.
Date 09 12 91 Latitude 5.863N
Time 1651 Z Longitude 46.104W



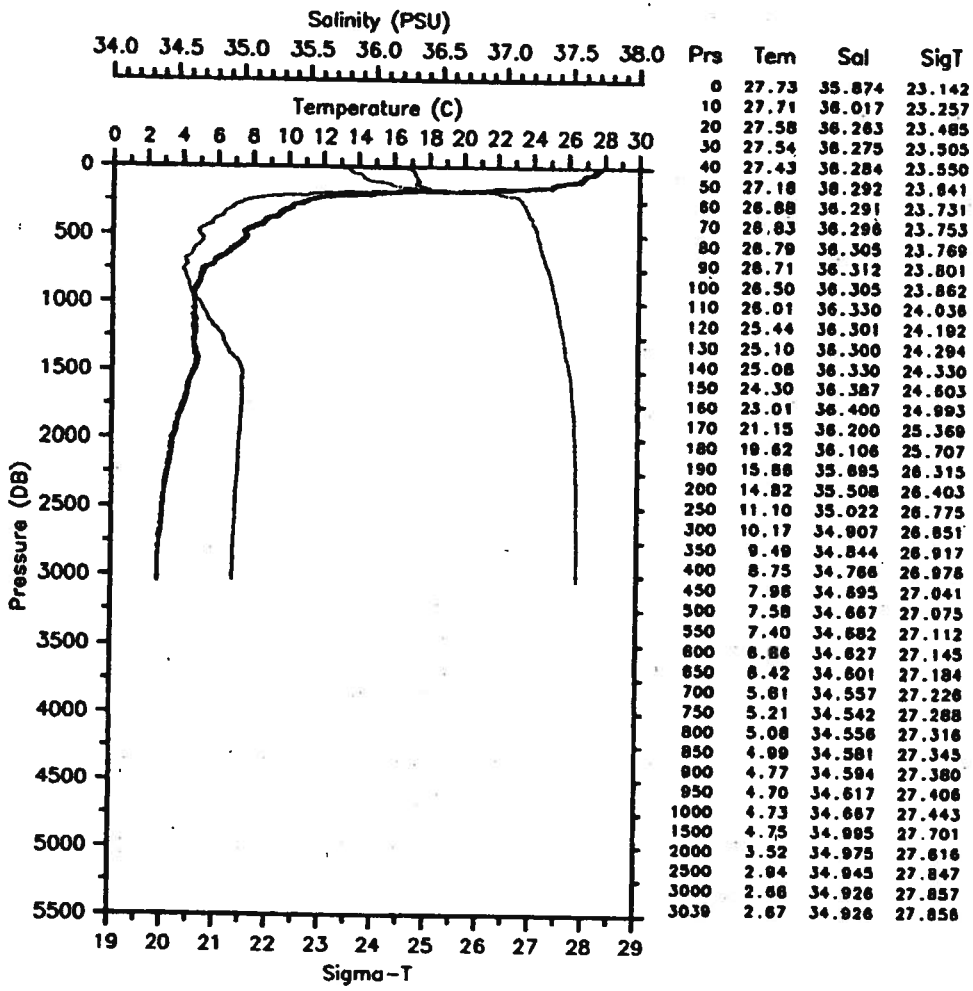
Prs	Tem	Sal	SigT
0	28.80	29.578	18.036
10	29.03	32.754	20.370
20	28.23	36.098	23.147
30	27.82	36.274	23.416
40	27.61	36.339	23.532
50	27.17	36.387	23.712
60	26.37	36.420	23.990
70	25.62	36.414	24.221
80	23.84	36.339	24.705
90	21.92	36.299	25.231
100	20.13	36.356	25.783
110	17.83	36.130	26.158
120	16.39	35.926	26.371
130	14.82	35.698	26.551
140	13.98	35.549	26.620
150	13.16	35.442	26.703
160	11.89	35.246	26.802
170	11.37	35.172	26.842
180	11.11	35.126	26.854
190	10.51	35.061	26.911
200	10.23	35.020	26.927
250	8.69	34.772	26.988
300	8.72	34.840	27.038
350	7.82	34.710	27.073
400	7.42	34.682	27.110
450	7.05	34.650	27.136
500	6.76	34.626	27.159
550	6.30	34.594	27.194
600	5.95	34.566	27.216
650	5.72	34.561	27.241
700	5.55	34.560	27.261
750	5.29	34.562	27.294
800	5.06	34.562	27.321
850	4.96	34.578	27.345
900	5.06	34.641	27.383
950	4.92	34.651	27.408
1000	4.95	34.696	27.440
1500	4.41	34.979	27.727
2000	3.59	34.974	27.807
2500	3.06	34.948	27.838
3000	2.72	34.929	27.854
3500	2.35	34.905	27.867
3948	2.23	34.893	27.868

BAL-STACS40-91 CTD 14 BALDRIGE
Date 09 12 91 Latitude 5.331N
Time 2311 Z Longitude 46.811W



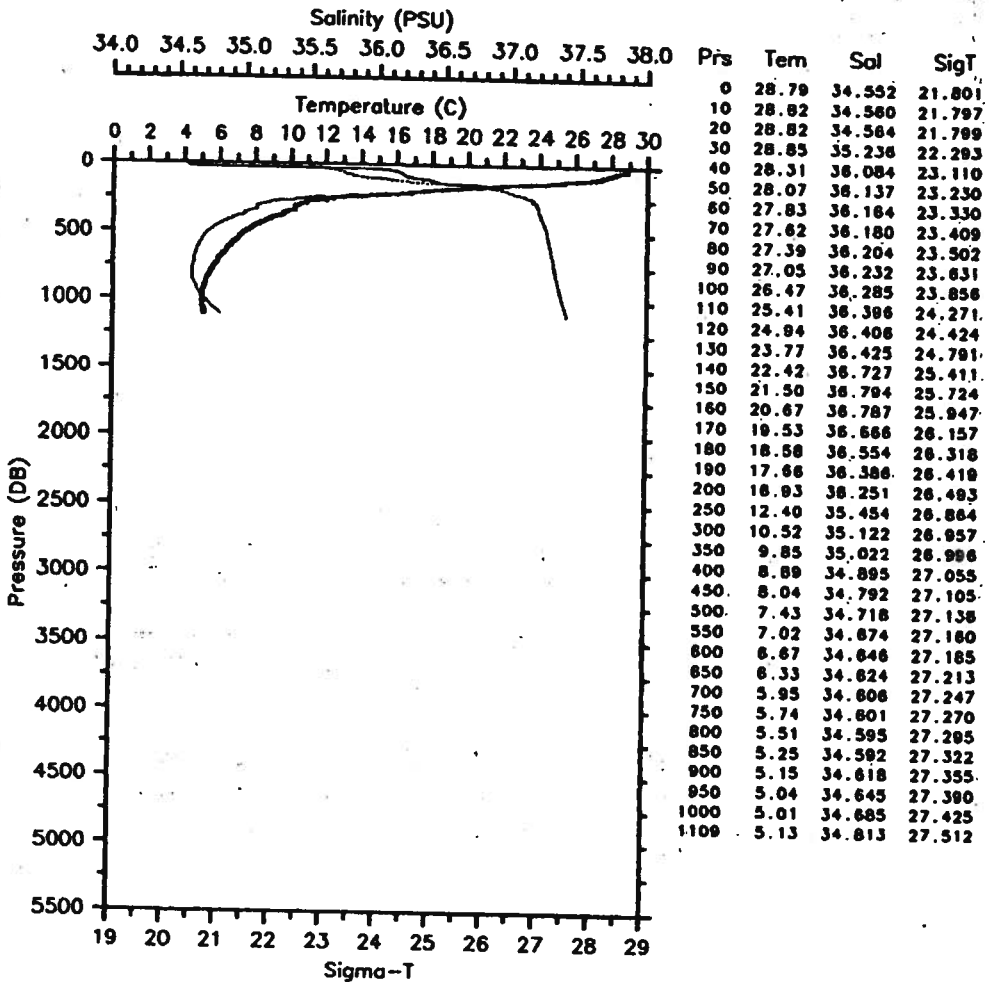
Prs	Tem	Sal	SigT
0	27.98	35.645	22.897
10	27.68	35.678	23.010
20	27.42	35.916	23.273
30	27.30	36.124	23.472
40	26.75	36.207	23.709
50	26.39	36.278	23.878
60	26.29	36.295	23.923
70	26.26	36.305	23.939
80	26.16	36.328	23.988
90	26.04	36.306	24.008
100	25.96	36.294	24.025
110	25.58	36.248	24.108
120	24.44	36.263	24.468
130	21.80	36.307	25.269
140	19.07	36.080	25.831
150	15.77	35.699	26.340
160	13.82	35.421	26.551
170	13.44	35.337	26.585
180	12.70	35.273	26.665
190	11.93	35.180	26.728
200	11.35	35.102	26.793
250	9.47	34.855	26.929
300	9.00	34.823	26.980
350	7.93	34.678	27.031
400	7.81	34.679	27.050
450	7.47	34.682	27.102
500	6.93	34.637	27.143
550	6.46	34.599	27.178
600	5.89	34.559	27.218
650	5.52	34.538	27.248
700	5.39	34.550	27.273
750	5.16	34.564	27.311
800	4.95	34.571	27.341
850	4.84	34.596	27.374
900	4.76	34.608	27.392
950	4.60	34.652	27.422
1000	4.72	34.682	27.456
1500	4.58	34.985	27.712
2000	3.55	34.971	27.809
2500	3.00	34.948	27.843
3000	2.67	34.925	27.858
3467	2.36	34.906	27.867

BAL-STACS40-91 CTD 15 BALDRIGE
Date 09 13 91 Latitude 4.917N
Time 0749 Z Longitude 47.562W



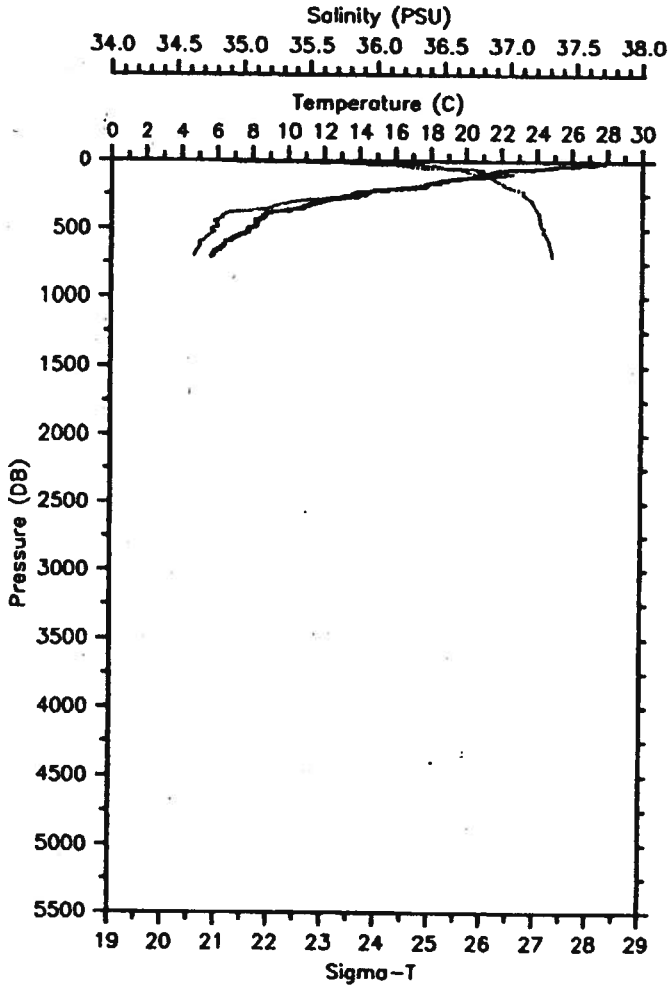
Prs	Tem	Sal	SigT
0	27.73	35.874	23.142
10	27.71	36.017	23.257
20	27.58	36.263	23.485
30	27.54	36.275	23.505
40	27.43	36.284	23.550
50	27.18	36.292	23.641
60	26.88	36.291	23.731
70	26.83	36.298	23.753
80	26.79	36.305	23.769
90	26.71	36.312	23.801
100	26.50	36.305	23.862
110	26.01	36.330	24.038
120	25.44	36.301	24.192
130	25.10	36.300	24.294
140	25.08	36.330	24.330
150	24.30	36.387	24.603
160	23.01	36.400	24.993
170	21.15	36.200	25.369
180	19.62	36.106	25.707
190	15.88	35.895	26.315
200	14.82	35.508	26.403
250	11.10	35.022	26.775
300	10.17	34.907	26.851
350	9.49	34.844	26.917
400	8.75	34.766	26.978
450	7.98	34.695	27.041
500	7.58	34.667	27.075
550	7.40	34.652	27.112
600	6.86	34.627	27.145
650	6.42	34.601	27.184
700	5.81	34.557	27.226
750	5.21	34.542	27.288
800	5.08	34.556	27.316
850	4.99	34.581	27.345
900	4.77	34.594	27.380
950	4.70	34.617	27.406
1000	4.73	34.667	27.443
1500	4.75	34.995	27.701
2000	3.52	34.975	27.816
2500	2.84	34.945	27.847
3000	2.66	34.926	27.857
3039	2.67	34.926	27.858

BAL-STACS40-91 CTD 16 BALDRIGE
Date 09 17 91 Latitude 9.305N
Time 0804 Z Longitude 57.502W



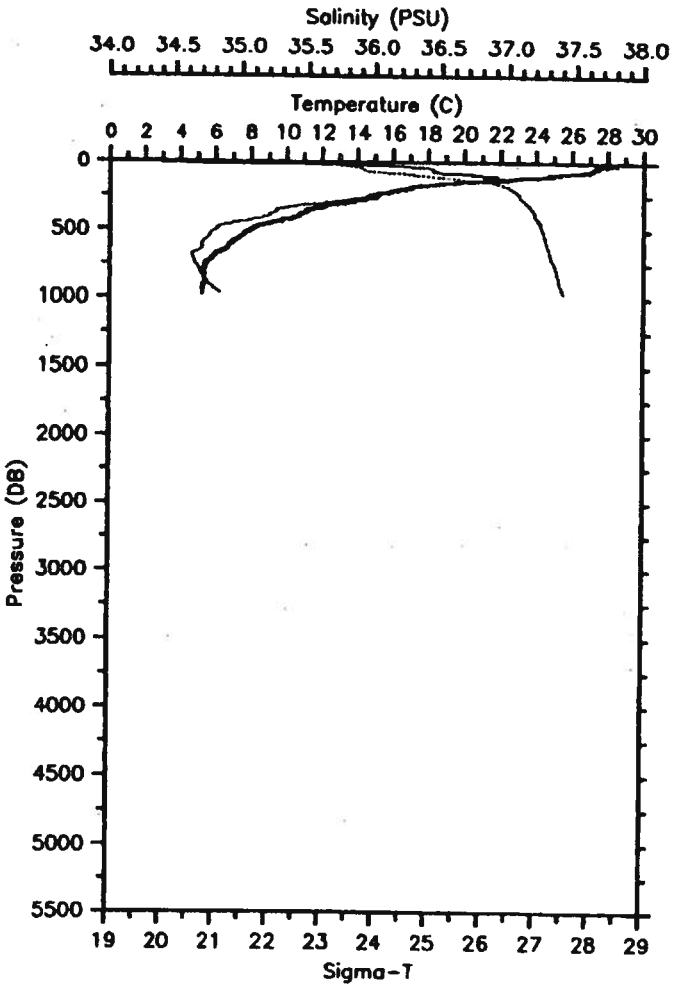
Prs	Tem	Sal	SigT
0	28.79	34.552	21.801
10	28.82	34.560	21.797
20	28.82	34.564	21.799
30	28.85	35.236	22.293
40	28.31	36.084	23.110
50	28.07	36.137	23.230
60	27.83	36.164	23.330
70	27.62	36.180	23.409
80	27.39	36.204	23.502
90	27.05	36.232	23.631
100	26.47	36.285	23.856
110	25.41	36.396	24.271
120	24.84	36.406	24.424
130	23.77	36.425	24.791
140	22.42	36.727	25.411
150	21.50	36.794	25.724
160	20.67	36.787	25.947
170	19.53	36.686	26.157
180	18.58	36.554	26.318
190	17.66	36.386	26.419
200	16.93	36.251	26.493
250	12.40	35.454	26.864
300	10.52	35.122	26.957
350	9.85	35.022	26.996
400	8.89	34.895	27.055
450	8.04	34.792	27.105
500	7.43	34.718	27.138
550	7.02	34.674	27.160
600	6.67	34.646	27.185
650	6.33	34.624	27.213
700	5.95	34.606	27.247
750	5.74	34.601	27.270
800	5.51	34.595	27.295
850	5.25	34.592	27.322
900	5.15	34.618	27.355
950	5.04	34.645	27.390
1000	5.01	34.685	27.425
1109	5.13	34.813	27.512

BAL-STACS40-91 CTD 17 BALDRIGE
Date 09 17 91 Latitude 11.420N
Time 2343 Z Longitude 60.532W



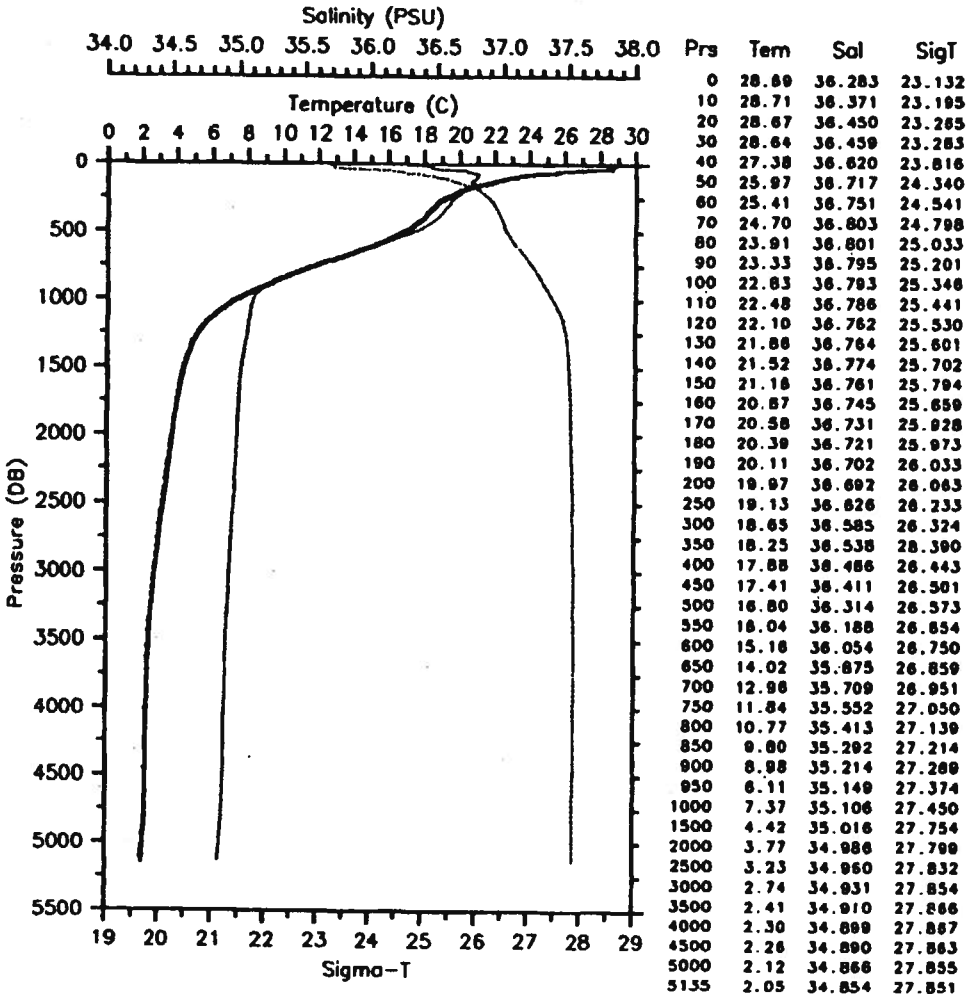
Prs	Tem	Sal	SigT
0	27.82	34.740	22.260
10	27.73	34.884	22.383
20	27.22	35.810	23.258
30	26.15	36.322	23.984
40	24.98	36.485	24.458
50	24.47	36.521	24.654
60	22.73	36.772	25.359
70	21.83	36.758	25.604
80	21.45	36.786	25.715
90	21.81	36.998	25.793
100	21.41	37.003	25.809
110	20.84	36.942	25.891
120	20.50	36.853	26.044
130	19.61	36.667	26.138
140	19.00	36.540	26.199
150	18.52	36.485	26.266
160	18.38	36.454	26.297
170	17.84	36.371	26.363
180	17.72	36.354	26.379
190	17.40	36.314	26.428
200	16.72	36.213	26.514
250	14.31	35.803	26.742
300	11.85	35.387	26.920
350	10.73	35.203	26.983
400	8.70	34.859	27.056
450	8.31	34.798	27.088
500	7.83	34.759	27.110
550	7.20	34.733	27.182
600	6.43	34.688	27.233
650	6.13	34.658	27.284
700	5.70	34.627	27.298
702	5.69	34.627	27.297

BAL-STACS40-91 CTD 18 BALDRIGE
Date 09 18 91 Latitude 11.794N
Time 0427 Z Longitude 61.485W



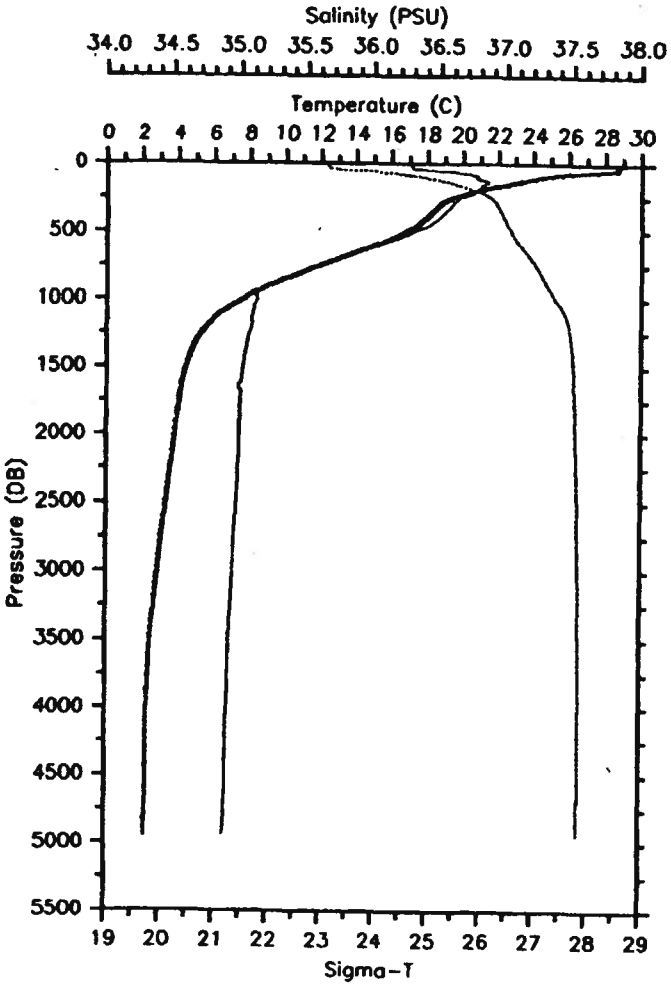
Prs	Tem	Sal	SigT
0	28.47	34.393	21.788
10	28.50	34.381	21.769
20	28.10	35.580	22.799
30	27.50	36.191	23.455
40	27.38	36.359	23.623
50	27.18	36.434	23.750
60	26.99	36.440	23.809
70	26.67	36.443	23.912
80	25.77	36.521	24.258
90	25.00	36.753	24.689
100	24.83	36.845	24.788
110	23.55	36.843	25.173
120	22.72	36.920	25.475
130	22.17	37.030	25.715
140	20.88	36.896	25.971
150	19.56	36.855	26.142
160	18.74	36.541	26.269
170	18.00	36.450	26.384
180	17.28	36.332	26.475
190	17.05	36.290	26.494
200	16.67	36.233	26.540
250	15.09	35.943	26.681
300	13.35	35.634	26.813
350	11.28	35.266	26.938
400	10.81	35.191	26.995
450	9.03	34.933	27.062
500	8.02	34.809	27.121
550	7.45	34.752	27.180
600	6.88	34.698	27.198
650	6.47	34.685	27.243
700	5.88	34.628	27.273
750	5.41	34.640	27.342
800	5.33	34.678	27.382
850	5.33	34.715	27.411
900	5.32	34.740	27.432
950	5.26	34.812	27.496
987	5.25	34.837	27.517

BAL-STACS40-91 CTD 19 BALDRIGE
Date 09 21 91 Latitude 26.480N
Time 1112 Z Longitude 73.189W



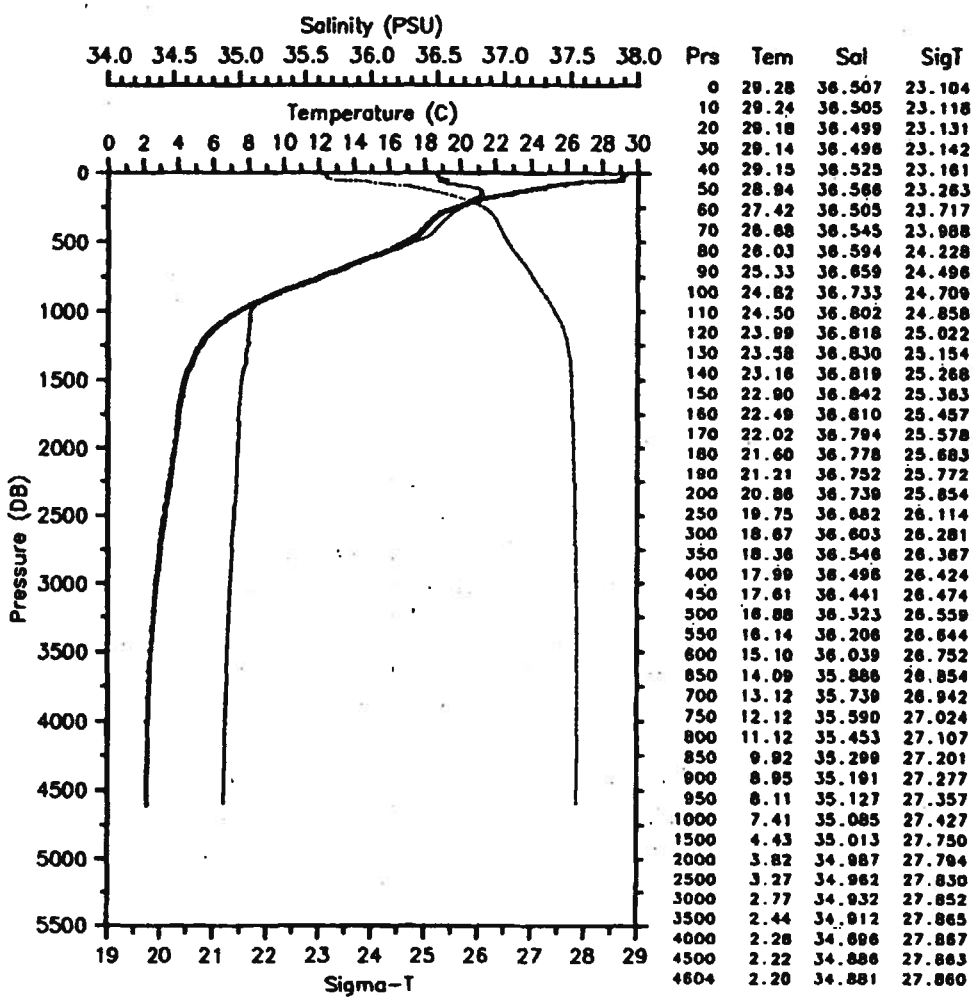
Prs	Tem	Sal	SigT
0	28.89	36.283	23.132
10	28.71	36.371	23.195
20	28.67	36.450	23.265
30	28.64	36.459	23.283
40	27.38	36.620	23.816
50	25.97	36.717	24.340
60	25.41	36.751	24.541
70	24.70	36.803	24.798
80	23.91	36.801	25.033
90	23.33	36.795	25.201
100	22.83	36.793	25.348
110	22.48	36.786	25.441
120	22.10	36.762	25.530
130	21.86	36.764	25.601
140	21.52	36.774	25.702
150	21.18	36.761	25.794
160	20.87	36.745	25.859
170	20.58	36.731	25.928
180	20.38	36.721	25.973
190	20.11	36.702	26.033
200	19.97	36.692	26.063
250	19.13	36.626	26.233
300	18.65	36.585	26.324
350	18.25	36.538	26.390
400	17.88	36.486	26.443
450	17.41	36.411	26.501
500	16.80	36.314	26.573
550	16.04	36.188	26.654
600	15.16	36.054	26.750
650	14.02	35.875	26.859
700	12.96	35.709	26.951
750	11.84	35.552	27.050
800	10.77	35.413	27.139
850	9.80	35.292	27.214
900	8.98	35.214	27.288
950	8.11	35.149	27.374
1000	7.37	35.106	27.450
1500	4.42	35.016	27.754
2000	3.77	34.986	27.799
2500	3.23	34.960	27.832
3000	2.74	34.931	27.854
3500	2.41	34.910	27.866
4000	2.30	34.899	27.867
4500	2.26	34.890	27.863
5000	2.12	34.866	27.855
5135	2.05	34.854	27.851

BAL-STACS40-91 CTD 20 BALDRIGE
Date 09 21 91 Latitude 26.492N
Time 1647 Z Longitude 73.798W



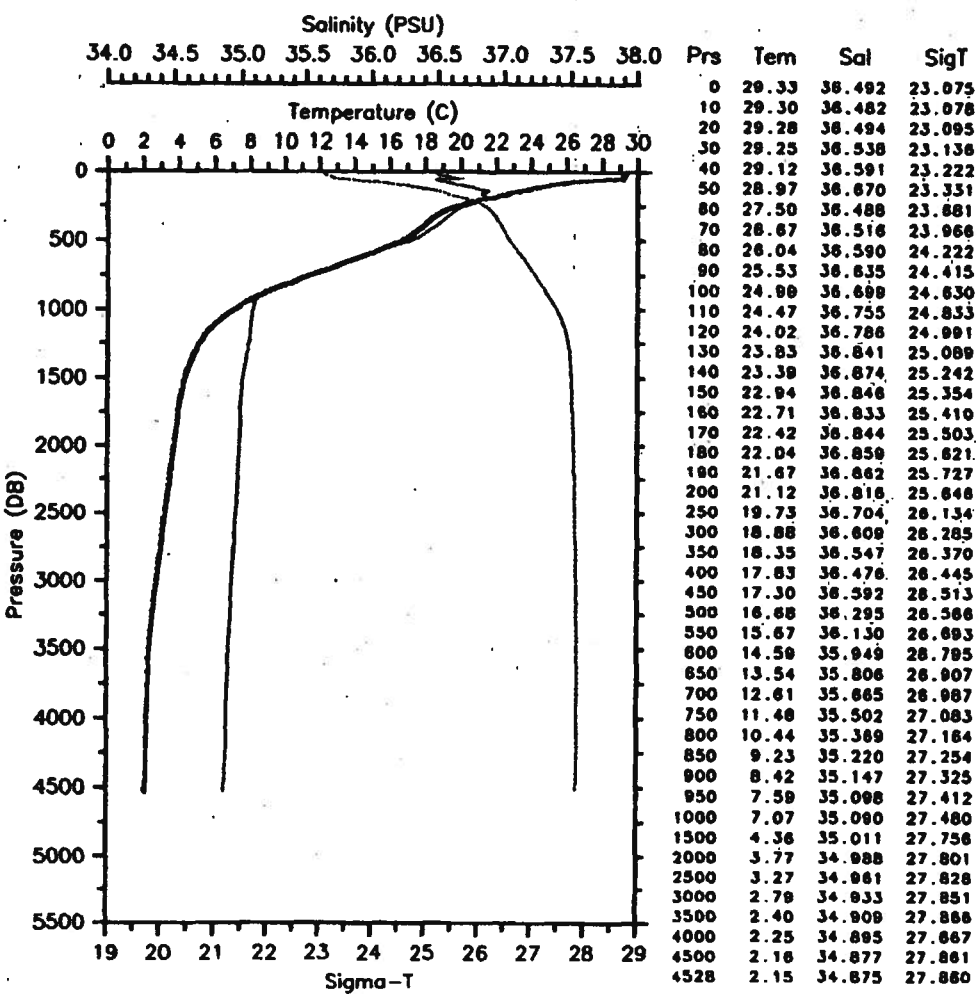
Prs	Tem	Sal	SigT
0	29.09	36.301	23.015
10	28.76	36.281	23.111
20	28.74	36.280	23.114
30	28.73	36.279	23.118
40	28.68	36.338	23.178
50	27.83	36.459	23.551
60	26.56	36.612	24.074
70	25.88	36.696	24.353
80	25.27	36.737	24.573
90	24.67	36.778	24.789
100	24.15	36.771	24.940
110	23.78	36.786	25.061
120	23.41	36.826	25.203
130	23.05	36.856	25.329
140	22.68	36.847	25.435
150	22.36	36.828	25.506
160	21.98	36.804	25.601
170	21.58	36.800	25.705
180	21.21	36.791	25.802
190	20.83	36.777	25.869
200	20.63	36.761	25.938
250	19.32	36.642	26.198
300	18.69	36.585	26.314
350	18.27	36.537	26.384
400	17.86	36.463	26.443
450	17.41	36.413	26.502
500	16.70	36.296	26.583
550	16.02	36.185	26.656
600	15.00	36.027	26.765
650	13.91	35.857	26.870
700	12.93	35.711	26.958
750	11.92	35.566	27.044
800	10.90	35.423	27.125
850	9.91	35.297	27.199
900	8.99	35.187	27.267
950	8.18	35.099	27.328
1000	7.66	35.120	27.419
1500	4.44	35.014	27.751
2000	3.85	34.988	27.793
2500	3.32	34.965	27.827
3000	2.88	34.939	27.847
3500	2.50	34.916	27.863
4000	2.29	34.899	27.867
4500	2.26	34.891	27.864
4936	2.22	34.878	27.856

BAL-STACS40-91 CTD 21 BALDRIGE
Date 09 21 91 Latitude 26.485N
Time 2145 Z Longitude 74.197W



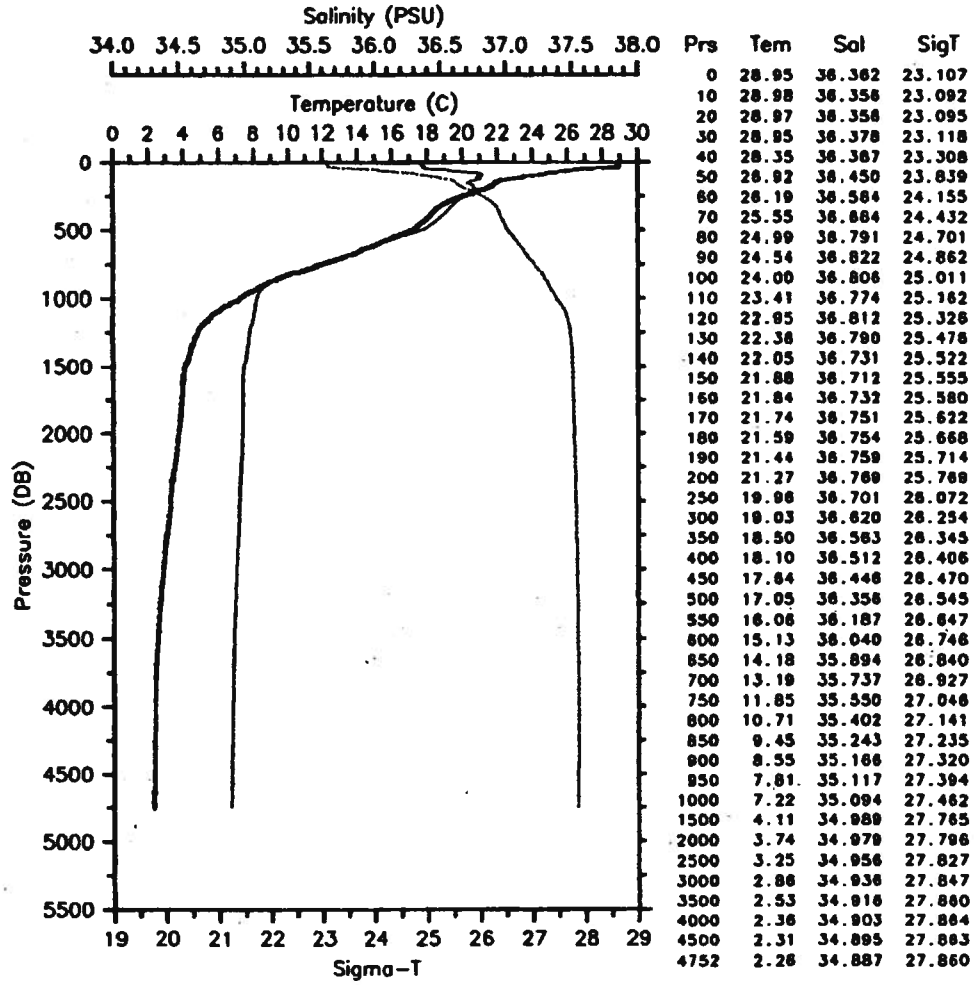
Prs	Tem	Sal	SigT
0	29.28	36.507	23.104
10	29.24	36.505	23.118
20	29.18	36.499	23.131
30	29.14	36.496	23.142
40	29.15	36.525	23.161
50	28.94	36.566	23.263
60	27.42	36.505	23.717
70	26.68	36.545	23.988
80	26.03	36.594	24.228
90	25.33	36.659	24.496
100	24.82	36.733	24.709
110	24.50	36.802	24.858
120	23.99	36.818	25.022
130	23.58	36.830	25.154
140	23.16	36.819	25.268
150	22.90	36.842	25.363
160	22.49	36.810	25.457
170	22.02	36.794	25.578
180	21.60	36.778	25.683
190	21.21	36.752	25.772
200	20.86	36.739	25.854
250	19.75	36.682	26.114
300	18.67	36.603	26.281
350	18.36	36.546	26.367
400	17.99	36.498	26.424
450	17.61	36.441	26.474
500	16.88	36.323	26.559
550	16.14	36.206	26.644
600	15.10	36.039	26.752
650	14.09	35.886	26.854
700	13.12	35.739	26.942
750	12.12	35.590	27.024
800	11.12	35.453	27.107
850	9.92	35.299	27.201
900	8.95	35.191	27.277
950	8.11	35.127	27.357
1000	7.41	35.085	27.427
1500	4.43	35.013	27.750
2000	3.82	34.987	27.794
2500	3.27	34.962	27.830
3000	2.77	34.932	27.852
3500	2.44	34.912	27.865
4000	2.28	34.896	27.867
4500	2.22	34.886	27.863
4604	2.20	34.881	27.860

BAL-STACS40-91 CTD 22 BALDRIGE
Date 09 22 91 Latitude 26.493N
Time 0256 Z Longitude 74.711W



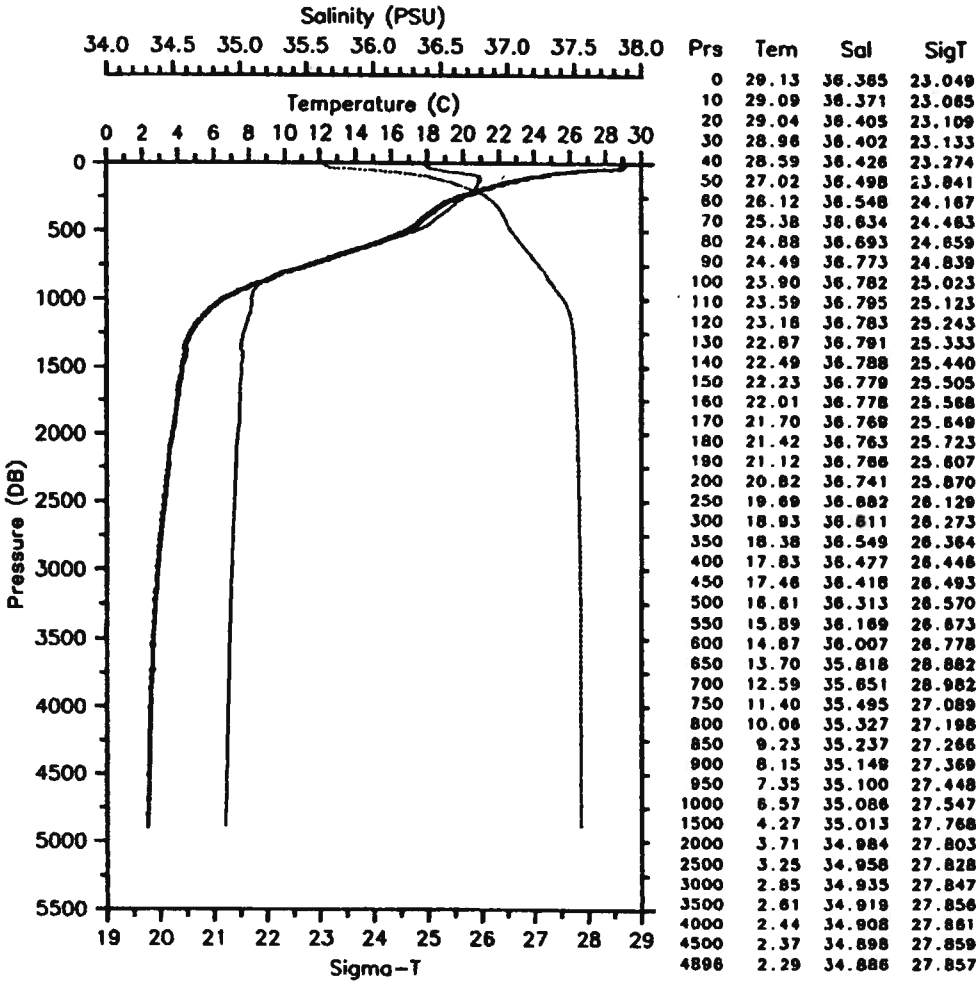
Prs	Tem	Sal	SigT
0	29.33	36.492	23.075
10	29.30	36.482	23.078
20	29.28	36.494	23.095
30	29.25	36.538	23.136
40	29.12	36.591	23.222
50	28.97	36.670	23.351
60	27.50	36.488	23.681
70	26.67	36.516	23.966
80	26.04	36.590	24.222
90	25.53	36.635	24.415
100	24.99	36.699	24.630
110	24.47	36.755	24.833
120	24.02	36.786	24.991
130	23.83	36.841	25.089
140	23.39	36.874	25.242
150	22.94	36.846	25.354
160	22.71	36.833	25.410
170	22.42	36.844	25.503
180	22.04	36.859	25.621
190	21.67	36.862	25.727
200	21.12	36.816	25.648
250	19.73	36.704	26.134
300	18.88	36.609	26.285
350	18.35	36.547	26.370
400	17.83	36.476	26.445
450	17.30	36.592	26.513
500	16.68	36.295	26.566
550	15.67	36.130	26.693
600	14.58	35.949	26.795
650	13.54	35.806	26.907
700	12.61	35.665	26.987
750	11.48	35.502	27.083
800	10.44	35.389	27.184
850	9.23	35.220	27.254
900	8.42	35.147	27.325
950	7.59	35.098	27.412
1000	7.07	35.090	27.480
1500	4.36	35.011	27.756
2000	3.77	34.988	27.801
2500	3.27	34.961	27.828
3000	2.79	34.933	27.851
3500	2.40	34.909	27.868
4000	2.25	34.895	27.867
4500	2.16	34.877	27.861
4528	2.15	34.875	27.860

BAL-STACS40-91 CTD 23 BALDRIGE
Date 09 22 91 Latitude 26.481N
Time 0925 Z Longitude 75.685W



Prs	Tem	Sal	SigT
0	28.95	36.362	23.107
10	28.98	36.356	23.092
20	28.97	36.356	23.095
30	28.95	36.378	23.118
40	28.35	36.387	23.308
50	26.92	36.450	23.839
60	26.19	36.584	24.155
70	25.55	36.684	24.432
80	24.99	36.791	24.701
90	24.54	36.822	24.862
100	24.00	36.806	25.011
110	23.41	36.774	25.162
120	22.85	36.812	25.326
130	22.38	36.790	25.478
140	22.05	36.731	25.522
150	21.88	36.712	25.555
160	21.84	36.732	25.580
170	21.74	36.751	25.622
180	21.59	36.754	25.668
190	21.44	36.759	25.714
200	21.27	36.769	25.768
250	19.96	36.701	26.072
300	19.03	36.620	26.254
350	18.50	36.563	26.345
400	18.10	36.512	26.406
450	17.64	36.446	26.470
500	17.05	36.356	26.545
550	16.06	36.187	26.647
600	15.13	36.040	26.746
650	14.18	35.894	26.840
700	13.19	35.737	26.927
750	11.85	35.550	27.046
800	10.71	35.402	27.141
850	9.45	35.243	27.235
900	8.55	35.166	27.320
950	7.81	35.117	27.394
1000	7.22	35.094	27.462
1500	4.11	34.989	27.765
2000	3.74	34.979	27.796
2500	3.25	34.956	27.827
3000	2.86	34.936	27.847
3500	2.53	34.916	27.860
4000	2.36	34.903	27.864
4500	2.31	34.895	27.863
4752	2.28	34.887	27.860

BAL-STACS40-91 CTD 24 BALDRIGE
Date 09 22 91 Latitude 26.464N
Time 1640 Z Longitude 76.450W

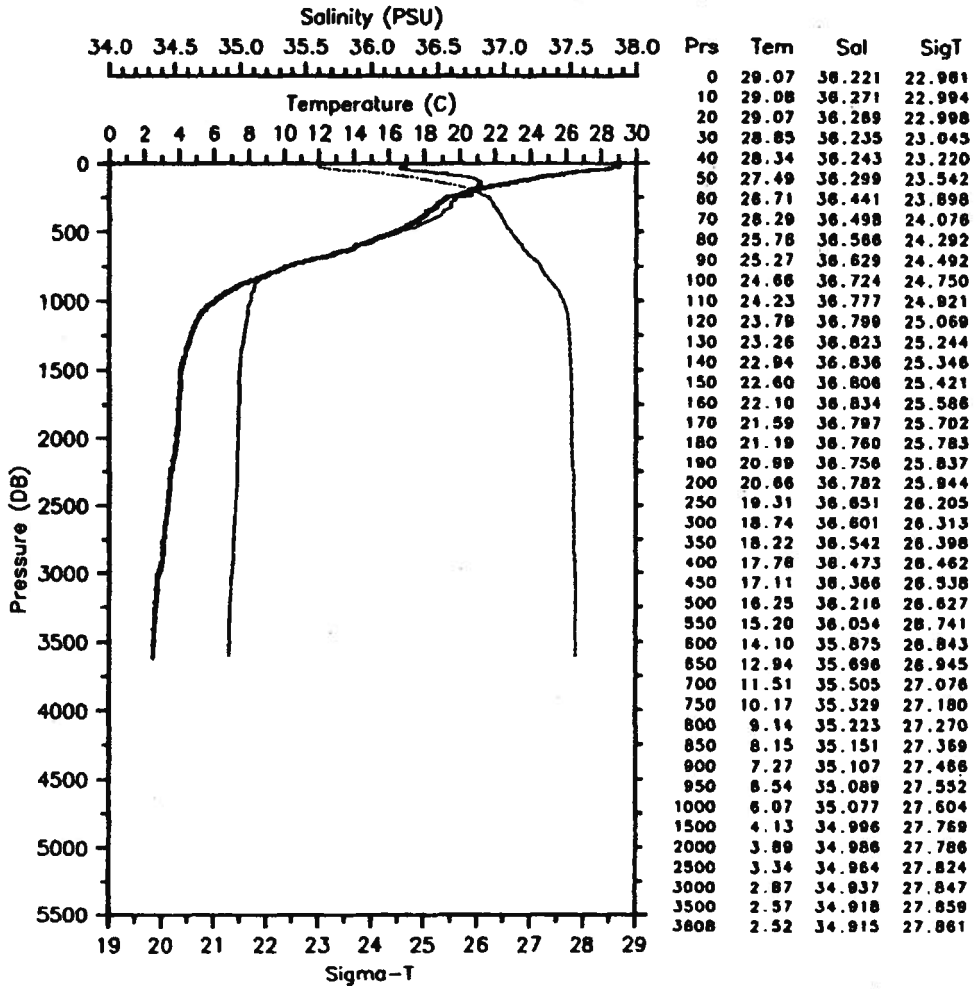


Prs	Tem	Sal	SigT
0	29.13	36.385	23.049
10	29.09	36.371	23.065
20	29.04	36.405	23.109
30	28.96	36.402	23.133
40	28.59	36.426	23.274
50	27.02	36.498	23.841
60	26.12	36.548	24.167
70	25.38	36.634	24.483
80	24.88	36.693	24.659
90	24.49	36.773	24.839
100	23.90	36.782	25.023
110	23.59	36.795	25.123
120	23.18	36.783	25.243
130	22.87	36.791	25.333
140	22.49	36.788	25.440
150	22.23	36.779	25.505
160	22.01	36.778	25.568
170	21.70	36.769	25.649
180	21.42	36.763	25.723
190	21.12	36.766	25.807
200	20.82	36.741	25.870
250	19.69	36.682	26.129
300	18.93	36.611	26.273
350	18.38	36.549	26.364
400	17.83	36.477	26.448
450	17.46	36.418	26.493
500	16.81	36.313	26.570
550	15.89	36.169	26.673
600	14.87	36.007	26.778
650	13.70	35.818	26.882
700	12.59	35.651	26.982
750	11.40	35.495	27.089
800	10.06	35.327	27.198
850	9.23	35.237	27.266
900	8.15	35.148	27.369
950	7.35	35.100	27.448
1000	6.57	35.086	27.547
1500	4.27	35.013	27.768
2000	3.71	34.984	27.803
2500	3.25	34.958	27.828
3000	2.85	34.935	27.847
3500	2.61	34.919	27.856
4000	2.44	34.908	27.861
4500	2.37	34.898	27.859
4898	2.29	34.886	27.857

BAL-STACS40-91 CTD 25 BALDRIGE

Date 09 22 91 Latitude 26.520N

Time 2107 Z Longitude 76.757W



Prs	Tem	Sal	SigT
0	29.07	36.221	22.961
10	29.08	36.271	22.994
20	29.07	36.289	22.998
30	28.85	36.235	23.045
40	28.34	36.243	23.220
50	27.49	36.299	23.542
60	26.71	36.441	23.898
70	26.29	36.498	24.076
80	25.78	36.566	24.292
90	25.27	36.629	24.492
100	24.66	36.724	24.750
110	24.23	36.777	24.921
120	23.79	36.799	25.069
130	23.26	36.823	25.244
140	22.94	36.836	25.346
150	22.60	36.806	25.421
160	22.10	36.834	25.586
170	21.59	36.797	25.702
180	21.19	36.760	25.783
190	20.89	36.756	25.837
200	20.66	36.782	25.944
250	19.31	36.651	26.205
300	18.74	36.601	26.313
350	18.22	36.542	26.398
400	17.78	36.473	26.462
450	17.11	36.366	26.538
500	16.25	36.216	26.627
550	15.20	36.054	26.741
600	14.10	35.875	26.843
650	12.94	35.698	26.945
700	11.51	35.505	27.076
750	10.17	35.329	27.180
800	9.14	35.223	27.270
850	8.15	35.151	27.369
900	7.27	35.107	27.466
950	6.54	35.089	27.552
1000	6.07	35.077	27.604
1500	4.13	34.996	27.769
2000	3.89	34.986	27.786
2500	3.34	34.964	27.824
3000	2.87	34.937	27.847
3500	2.57	34.918	27.859
3808	2.52	34.915	27.861

APPENDIX B: XBT DATA

Casts are presented by cruise and increasing cast number. Isotherm depths in meters are listed at temperatures ranging from 28° to 6° Centigrade.

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS38-91

XBT NO.	1	2	3	4	5	6	7
YEAR	91	91	91	91	91	91	91
MONTH	1	1	1	1	1	1	1
DAY (GMT)	8	9	10	11	12	13	14
TIME (GMT)	1755	1834	1649	1823	1825	1824	1828
LAT (N)	25.83	26.50	26.49	26.45	22.73	19.27	17.20
LON (W)	79.87	76.77	76.14	75.85	71.33	67.03	63.77
SURF T (C)	26.1	23.8	23.8	24.0	26.0	26.5	26.4
28							
27							
26	42				93	79	84
25	52				108	93	111
24	111			32	128	114	134
23	122	106	52	69	155	138	151
22	131	127	94	112	175	156	165
21	143	140	105	147	202	172	180
20	161	163	133	163	232	192	208
19	170	224	204	210	267	227	235
18	185	346	322	345	334	269	265
17	192		439		399	325	291
16	201					360	333
15	217					396	373
14	227						400
13	234						428
12	239						
11	245						
10	253						
9							
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS38-91

XBT NO.	8	9	10	11	12	13	14
YEAR	91	91	91	91	91	91	91
MONTH	1	1	1	1	1	1	1
DAY (GMT)	15	16	17	17	17	18	18
TIME (GMT)	1823	1823	2016	2215	0008	0210	0406
LAT (N)	13.73	11.77	10.02	10.01	10.02	10.03	10.03
LON (W)	59.60	55.02	51.13	50.70	50.28	49.81	49.37
SURF T (C)	26.7	27.0	26.8	26.7	26.6	26.6	26.7
28							
27		67					
26	90	77	77	74	55	71	79
25	103	83	86	77	65	76	81
24	114	94	90	80	75	84	83
23	120	102	98	93	80	93	92
22	131	108	101	98	89	96	99
21	146	115	107	104	95	98	102
20	156	129	114	109	99	100	105
19	167	139	130	112	107	109	108
18	204	153	136	122	117	117	110
17	220	174	139	138	127	136	117
16	237	185	152	146	140	148	131
15	259	205	165	153	147	156	145
14	280	219	176	162	162	172	160
13	298	234	194	172	182	188	174
12	340	280	204	188	189	217	189
11	375	298	231	208	232	258	241
10	392	351	284	275	283	299	295
9		389	335	329	373	369	379
8		445	402	389	440	435	447
7			525	454	530	543	533
6			728	594	661	682	675

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS38-91

XBT NO.	15	16	17	18	19	20	21
YEAR	91	91	91	91	91	91	91
MONTH	1	1	1	1	1	1	1
DAY (GMT)	18	18	18	18	18	19	19
TIME (GMT)	1210	1353	1539	2103	2250	0024	0034
LAT (N)	9.81	9.43	9.02	8.65	8.25	7.87	7.87
LON (W)	49.12	49.26	49.46	49.56	49.73	49.85	49.85
SURF T (C)	26.7	26.6	26.8	26.7	26.7	27.6	26.8
28							
27							
26	70	68	62	63	54	64 68	39
25	77	74	67	67	64	74	42
24	87	81	77	75	74	84	51
23	91	88	83	79	82	92	61
22	102	94	89	83	95	99	66
21	107	103	94	87	98	106	75
20	113	110	100	94	102	112	80
19	116	115	106	99	106	118	86
18	120	121	115	104	113	127	91
17	131	131	123	110	117	132	97
16	139	141	129	120	120	137	105
15	149	152	136	133	123	143	109
14	166	164	144	149	132	152	117
13	181	184	154	162	138	157	125
12	218	212	164	180	146		130
11	254	258	187	197	159		145
10	298	296	257	257	194		185
9	360	361	305	297	264		263
8	418	446	371	378	358		370
7	538	530	513	480	540		470
6	687	659	621	647			618

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS38-91

XBT NO.	22	23	24	25	26	27	28
YEAR	91	91	91	91	91	91	91
MONTH	1	1	1	1	1	1	1
DAY (GMT)	19	19	19	20	20	20	20
TIME (GMT)	0917	1045	1752	0709	1153	1353	1555
LAT (N)	7.20	6.94	6.48	5.95	5.70	5.47	5.28
LON (W)	50.19	50.44	50.85	51.28	51.08	50.77	50.52
SURF T (C)	27.1	26.9	27.3	27.0	27.1	27.0	27.3
28							
27	110	125	119	60	47	8	74
26	113	130	122	73	70	52	83
25	116	133	125	83	78	76	85
24	121	138	128	88	84	84	99
23	123	143	131	97	87	93	105
22	126	147	134	103	90	97	110
21	131	151	139	105	94	101	115
20	140	168	145	110	98	106	120
19	148	171	154	117	105	112	124
18	153	174	163	124	121	126	130
17	161	179	168	128	132	138	146
16	167	185	179	130	138	141	154
15	174	189	190	137	141	147	158
14	181	192	199	139	144	153	162
13	191	200	210	149	148	156	171
12	196	214	227	167	154	163	178
11	209	237	246	202	192	176	192
10	256	260	304	329	306	259	263
9	324	274	353	388	378	315	299
8	396	373	442	475	436	388	373
7	528	506	509	555	554	522	
6	693	638	634	630	640	640	

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ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS38-91

XBT NO.	29	30	31	32	33	34	35
YEAR	91	91	91	91	91	91	91
MONTH	1	1	1	1	1	1	1
DAY (GMT)	20	20	20	20	21	21	21
TIME (GMT)	1753	1959	2200	2351	0200	0645	1642
LAT (N)	5.03	4.81	4.58	4.37	4.12	4.27	4.71
LON (W)	50.17	49.90	49.59	49.30	48.97	48.56	47.97
SURF T (C)	27.6	27.5	27.4	27.3	27.3	27.0	27.3
28							
27	65	55	61	56	47	46	41
26	81	87	67	74	59	77	93
25	95	97	102	93	78	91	115
24	99	102	106	105	90	118	132
23	103	107	109	107	94	121	135
22	108	115	112	111	98	124	136
21	112	124	117	115	102	128	138
20	117	127	124	119	106	133	143
19	126	133	134	124	111	140	148
18	129	149	141	132	117	142	151
17	133	152	148	145	123	143	152
16	138	157	153	148	127	144	154
15	159	162	159	153	131	146	161
14	170	168	164	158	146	168	180
13	182	191	173	171	164	183	200
12	191	204	187	183	184	213	227
11	212	252	207	223	194	232	269
10	282	273	237	262	287	259	341
9	303	303	292	328	381	376	388
8	364	379	426	448	449	453	444
7	535	577		539	599	572	511
6	648	655		610		665	608

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS38-91

XBT NO.	36	37	38	39	40	41	42
YEAR	91	91	91	91	91	91	91
MONTH	1	1	1	1	1	1	1
DAY (GMT)	22	22	22	22	23	23	23
TIME (GMT)	0025	1554	1724	1853	0053	0253	0451
LAT (N)	5.10	5.78	6.10	6.43	6.77	7.05	7.32
LON (W)	47.24	46.65	46.52	46.42	46.18	45.77	45.37
SURF T (C)	27.0	27.3	27.1	27.1	26.8	26.6	26.4
28							
27							
26	97	114	120	63			
25	103	118	123	84	63	50	59
24	108	122	125	88	65	52	61
23	111	128	127	91	67	53	64
22	116	132	130	94	71	56	66
21	131	136	136	96	76	63	69
20	141	137	138	99	80	66	72
19	147	139	141	105	83	71	75
18	152	141	145	109	86	75	78
17	155	143	152	113	90	81	83
16	157	147	156	117	95	90	87
15	158	152	160	124	103	96	93
14	164	155	166	129	112	104	104
13	186	158	175	134	118	112	119
12	202	171	185	147	125	130	128
11	221	189	197	153	130	146	140
10	267	221	226	179	169	177	173
9	340	310	267	242	245	206	225
8	467	350	329	323	319	265	294
7	492	442	400	399	402	407	439
6	508	545	495	491	526	530	565
	665	674	622	650	666	642	673

ISOTHERM DEPTHS (M)

R/V MALCOLM BALORIGE MB-STACS38-91

XBT NO.	43	44	45	46	47	48	49
YEAR	91	91	91	91	91	91	91
MONTH	1	1	1	1	1	1	1
DAY (GMT)	23	23	23	23	23	23	24
TIME (GMT)	0645	0901	1059	1853	2059	2300	0716
LAT (N)	7.58	7.88	8.15	8.00	7.54	7.07	6.46
LON (W)	44.95	44.58	44.22	43.97	43.99	44.01	44.01
SURF T (C)	26.4	26.6	26.7	26.9	26.8	26.5	26.9
28							
27							
26	42	52	54	63	49	58	70
25	46	56	57	65	52	60	75
24	50	58	60	67	56	64	78
23	53	60	63	69	60	67	82
22	56	65	67	71	62	71	86
21	60	69	76	76	65	76	90
20	68	72	80	82	71	81	95
19	75	77	92	86	77	86	102
18	78	82	97	89	81	90	108
17	82	87	102	97	84	95	113
16	91	95	108	100	89	98	117
15	95	101	118	105	93	101	122
14	99	110	125	113	101	110	127
13	104	121	143	119	110	118	134
12	112	132	154	132	123	132	148
11	138	154	174	145	142	149	156
10	209	210	226	205	182	164	172
9	310	294	292	323	271	250	214
8	401	380	412	450	391	375	291
7	548	530	577	558	589	514	399
6	663	670	711	694	701	715	548
							631

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS38-91

XBT NO.	50	51	52	53	54	55	56
YEAR	91	91	91	91	91	91	91
MONTH	1	1	1	1	1	1	1
DAY (GMT)	24	24	24	24	25	25	25
TIME (GMT)	0914	1116	1753	1959	0247	1242	1440
LAT (N)	6.02	5.53	4.95	4.45	3.95	2.79	2.32
LON (W)	44.01	44.04	44.03	44.06	44.04	44.03	44.05
SURF T (C)	27.1	27.2	27.4	27.4	27.2	27.3	27.5
28							
27	102	117	119	138	107	61	71
26	116	120	149	149	127	78	101
25	118	126	152	152	132	102	105
24	121	135	158	154	136	111	107
23	129	137	161	157	139	120	108
22	136	138	164	161	141	126	110
21	140	139	166	163	144	129	111
20	141	140	169	165	151	132	111
19	143	142	171	167	156	145	113
18	145	143	175	172	159	152	116
17	148	147	177	175	161	164	143
16	154	152	180	177	163	168	183
15	158	155	184	179	166	172	187
14	166	158	187	182	174	180	194
13	174	165	189	191	178	182	204
12	185	170	198	200	189	183	212
11	202	181	210	228	209	189	234
10	233	206	232	263	233	207	258
9	287	252	257	303	241	240	306
8	393	354	317	359	281	301	324
7	477	432	384	425	415	480	460
6	594	584	544	524	560	659	652

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS38-91

XBT NO.	57	58	59	60	61	62	63
YEAR	91	91	91	91	91	91	91
MONTH	1	1	1	1	1	1	1
DAY (GMT)	25	25	26	26	26	26	26
TIME (GMT)	1445	2229	0021	0731	1254	1454	1652
LAT (N)	2.30	1.58	1.11	0.54	0.30	0.68	1.05
LON (W)	44.05	44.06	44.02	44.22	44.55	44.97	45.38
SURF T (C)	27.5	27.3	27.2	27.5	27.7	27.7	27.7
28							
27	69	84	70	84	83	85	94
26	97	90	92	86	85	87	96
25	101	102	96	90	86	88	97
24	104	106	101	100	88	89	97
23	106	109	104	106	94	91	98
22	107	113	106	118	99	92	100
21	108	119	109	119	109	95	109
20	110	122	114	121	111	102	124
19	111	125	120	121	118	126	131
18	114	134	124	123	136	141	140
17	120	152	136	125	148	253	162
16	182	160	143	142	168	160	172
15	186	175	148	154	178	177	188
14	194	187	157	162	208	189	197
13	203	204	173	178	226	236	210
12	214	219	181	203	242	245	226
11	235	284	205	218	275	255	264
10	256	298	281	260	295	294	278
9	301	359	318	369	324	318	366
8	323	386	378	411	339	419	467
7		495	484	444	427	493	506
6			608	581	588	586	589

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS38-91

XBT NO.	64	65	66	67	68	69	70
YEAR	91	91	91	91	91	91	91
MONTH	1	1	1	1	1	1	1
DAY (GMT)	26	26	26	27	27	27	27
TIME (GMT)	1855	2059	2259	0111	0306	0449	0656
LAT (N)	1.40	1.77	2.13	2.50	2.83	3.20	3.53
LON (W)	45.77	46.14	46.54	47.00	47.40	47.78	48.17
SURF T (C)	27.8	27.5	27.4	27.3	27.3	27.1	27.1
28							
27	84	75	72	63	69	67	54
26	88	80	78	72	73	73	79
25	94	87	84	79	82	81	106
24	99	94	91	86	87	104	110
23	104	102	94	88	89	107	117
22	108	104	95	90	92	111	122
21	110	109	98	92	94	113	126
20	113	113	104	96	98	116	153
19	116	119	109	107	111	139	158
18	125	125	117	117	125	144	163
17	156	133	134	120	131	147	171
16	169	178	163	181	162	150	174
15	172	182	169	195	186	177	187
14	180	186	177	204	189	185	198
13	191	196	201	228	197	195	214
12	209	234	220	240	281	237	246
11	238	271	260	285	304	294	273
10	303	290	292	318	386	357	335
9	358	348	353	389	402	390	367
8	408	468	488	475	476	476	482
7	629	632	546	523	547	517	579
6	696	680	585	563	653	628	664

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS38-91

XBT NO.	71	72	73	74	75	76	77
YEAR	91	91	91	91	91	91	91
MONTH	1	1	1	1	1	1	1
DAY (GMT)	27	27	27	27	27	27	27
TIME (GMT)	0900	0906	1100	1255	1454	1654	1855
LAT (N)	3.85	3.85	4.16	4.45	4.79	5.12	5.43
LON (W)	48.64	48.64	49.12	49.60	50.04	50.51	50.93
SURF T (C)	27.3	27.2	27.3	27.3	27.2	27.3	27.4
28							
27	47	43	63	78	79	65	51
26	77	79	72	86	88	75	77
25	85	86	107	113	91	82	82
24	97	98	114	130	104	91	89
23	106	108	120	133	110	103	93
22	111	114	134	136	114	109	99
21	140	142	142	139	118	114	112
20	143	145	145	143	126	123	119
19	145	149	149	148	140	138	126
18	150	153	152	158	149	144	136
17	153	155	155	169	158	151	138
16	155	157	157	176	163	155	140
15	159	160	158	183	166	158	143
14	164	163	160	186	170	162	150
13	174	174	176	190	181		158
12	225	217	186	206	191		165
11	240	238	242	234	208		
10	308	300	290	319	254		
9	351	358	441	370	351		
8	468		568	465	464		
7			652	577	522		
6				675	645		

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS38-91

XBT NO.	78	79	80	81	82	83	84
YEAR	91	91	91	91	91	91	91
MONTH	1	1	1	1	1	1	1
DAY (GMT)	27	27	28	28	28	28	28
TIME (GMT)	2059	2259	0051	0255	1453	1654	1855
LAT (N)	5.73	6.14	6.55	6.95	8.10	8.42	8.73
LON (W)	51.39	51.78	52.16	52.49	52.46	52.28	52.08
SURF T (C)	26.9	27.2	27.1	27.1	27.0	27.0	27.0
28							
27	39	65	82	88	89		106
26	64	87	99	109	103	110	114
25	74	97	120	112	118	123	121
24		106	125	119	137	131	130
23		123	129	129	149	154	138
22		135	133	134	163	160	143
21		140	142	142	176	168	148
20		145	149	150	181	174	168
19		151	158	154	186	194	177
18		155	165	158	208	205	189
17		157	167	167	212	218	198
16		163	169	182	219	231	207
15		175	175	189	225	240	219
14		184	179	195	235	249	243
13		193	188	199	249	263	260
12		201	194	216	262	279	278
11		225	218	232	294	301	305
10		271	247	251	325	352	360
9		320	292	313	365	426	398
8		482	491	493	448	488	426
7		570	585	595	539	540	517
6		676	681	698	652	655	658

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS38-91

XBT NO.	85	86	87	88	89	90	91
YEAR	91	91	91	91	91	91	91
MONTH	1	1	1	1	1	1	1
DAY (GMT)	29	29	29	29	29	29	29
TIME (GMT)	0323	0624	0929	1225	1520	1821	2128
LAT (N)	9.21	9.46	9.67	9.88	10.08	10.31	10.55
LON (W)	52.49	53.17	53.89	54.58	55.35	56.08	56.76
SURF T (C)	26.9	27.0	27.0	27.0	27.2	26.7	26.9
28							
27		77	80		71		
26	116	103	96	79	89	106	97
25	126	113	102	87	95	110	105
24	142	122	112	91	97	117	111
23	151	138	124	95	99	123	119
22	158	148	130	98	102	129	151
21	167	161	137	102	105	133	160
20	179	172	142	105	107	143	169
19	187	201	147	109	111	153	172
18	202	207	153	114	119	160	184
17	212	217	172	120	138	174	196
16	222	224	179	130	157	180	215
15	229	235	183	136	166	188	222
14	252	243	186	142	176	196	234
13	274	254	203	149	193	203	261
12	299	268	213	186	211	221	275
11	326	295	228	218	236	252	315
10	357	371	239	235	260	313	354
9	438	415	261	284	292	365	408
8	497	533	378	321	357	396	511
7	570	617	547	442	436	495	610
6	704		690	652	703	700	733

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS38-91

XBT NO.	92	93	94	95	96	97	98
YEAR	91	91	91	91	91	91	91
MONTH	1	1	1	1	1	1	1
DAY (GMT)	30	30	30	30	30	30	30
TIME (GMT)	0020	0317	0617	0929	1225	1255	1355
LAT (N)	10.70	10.89	11.14	11.36	11.60	11.64	11.75
LON (W)	57.48	58.16	58.85	59.58	60.35	60.47	60.74
SURF T (C)	26.7	26.8	26.7	26.6	26.6	26.5	26.5
28							
27							
26	98	74	75	58	51	43	34
25	103	85	81	64	54	49	47
24	109	95	106	80	59	56	50
23	115	107	119	102	68	62	52
22	130	114	128	119	76	71	54
21	140	125	142	123	81	81	55
20	154	141	152	129	88	94	74
19	167	150	161	134	104	101	103
18	185	176	168	140	118	114	118
17	206	192	183	151	136	149	143
16	223	212	198	168	157	177	176
15	236	222	215	191	184	226	209
14	252	238	247	202	200	277	229
13	267	260	274	230	234	305	252
12	295	287	289	248	249	318	291
11	316	322	304	263	295	343	323
10	353	388	348	304	353	372	357
9	394	440	430	382	406	414	394
8	466	484	503	501	460	459	
7	530	621	587	599	631	533	
6	714	679		721		630	

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS38-91

XBT NO.	99	100	101	102	103	104	105
YEAR	91	91	91	91	91	91	91
MONTH	1	1	1	2	2	2	2
DAY (GMT)	30	30	30	1	2	3	3
TIME (GMT)	1456	1556	1656	1338	1805	1755	1758
LAT (N)	11.81	11.85	11.96	12.29	13.12	17.44	17.44
LON (W)	60.99	61.26	61.51	61.63	62.03	65.20	65.20
SURF T (C)	26.0	26.3	26.6	26.2	26.5	26.4	26.3
28							
27						125	
26		44	69	30	67	146 169	94
25	35	48	77	37	72	182	107
24	37	61	88	53	75	199	134
23	39	65	94	61	82	223	148
22	42	78	101	77	94	294	168
21	64	87	106	90	118	345	185
20	78	94	115	99	130	389	202
19	88	109	136	111	143	431	229
18	106	119	152	129	155		273
17	127	144	173	146	170		314
16	145	158	193	167	195		351
15	162	198	208	176	209		384
14	196	219	233	195	222		426
13	225	245	262		247		
12	258	270	277		302		
11	293	320	307		337		
10	308	364	348		377		
9	368	414	420				
8	422						
7							
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS38-91

XBT NO.	106	107	108
YEAR	91	91	91
MONTH	2	2	2
DAY (GMT)	4	5	6
TIME (GMT)	1755	1754	1525
LAT (N)	20.01	21.72	25.25
LON (W)	70.35	75.90	79.87
SURF T (C)	26.1	25.9	26.4
28			
27			
26	3	80	72
25	117	107	110
24	143	131	124
23	159	157	137
22	178	176	148
21	201	198	155
20	215	220	166
19	252	260	186
18	297	321	203
17	347	396	225
16	385		234
15	424		258
14			286
13			305
12			342
11			370
10			396
9			422
8			
7			
6			

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS39-91

XBT NO.	1	2	3	4	5	6	7
YEAR	91	91	91	91	91	91	91
MONTH	6	6	6	6	6	6	6
DAY (GMT)	13	13	13	14	14	14	15
TIME (GMT)	1410	1759	2358	0552	1159	1802	0638
LAT (N)	34.97	34.39	32.76	31.22	29.70	28.17	26.51
LON (W)	74.99	75.14	75.53	75.79	76.19	76.48	76.48
SURF T (C)	27.1	26.8	26.6	26.6	25.5	27.5	27.2
28							
27	64					13	29
26	80	63	63	46		74	36
25	99	90	78	68	7	92	45
24	111	118	99	92	40	114	57
23	120	146	134	112	45	142	87
22	147	184	160	150	63	176	145
21	164	219	207	204	97	217	200
20	182	251	240	281	143	250	245
19	203	302	294	352	205	289	306
18	247	395	422		369	400	399
17	283	448				490	476
16	310					533	532
15	338					598	594
14	358					639	636
13	372					683	673
12	423					726	717
11	451					755	755
10							
9							
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS39-91

XBT NO.	8	9	10	11	12	13	14
YEAR	91	91	91	91	91	91	91
MONTH	6	6	6	6	6	6	6
DAY (GMT)	15	15	15	16	16	16	16
TIME (GMT)	1157	1726	1808	0206	0353	0859	1054
LAT (N)	26.51	26.53	26.52	26.48	26.47	26.48	26.13
LON (W)	75.91	75.67	75.49	75.21	74.74	74.21	73.78
SURF T (C)	27.1	27.5	27.3	27.1	27.1	27.0	26.7
28							
27	24	20	8	22	30	18	
26	37	32	43	36	43	42	26
25	55	66	69	47	51	49	29
24	76	95	90	76	81	78	54
23	106	125	119	96	110	119	76
22	167	187	188	147	175	152	113
21	222	250	251	243	254	191	152
20	274	283	286	268	287	230	196
19	334	347	340	304	345	282	265
18	445	465	490	549	475	412	391
17	527	550	577	595	560	508	487
16	578	608	639	716	618	561	537
15	625	653	696	753	668	605	589
14	666	701	741		710	669	631
13	712	744			748	708	673
12							711
11							754
10							
9							
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS39-91

XBT NO.	15	16	17	18	19	20	21
YEAR	91	91	91	91	91	91	91
MONTH	6	6	6	6	6	6	6
DAY (GMT)	16	16	16	16	16	16	17
TIME (GMT)	1258	1459	1657	1859	2053	2258	0153
LAT (N)	25.75	25.40	25.07	24.70	24.36	23.94	23.73
LON (W)	73.50	73.10	72.71	72.33	71.99	71.61	71.41
SURF T (C)	26.5	27.1	27.0	27.4	27.6	27.7	27.7
28							
27		22	26	23	16	32	30
26	23	37	33	33	29	49	52
25	30	46	41	37	38	54	73
24	37	63	55	47	58	71	117
23	44	92	80	59	82	95	151
22	64	114	105	89	107	124	179
21	97	133	130	131	137	153	200
20	145	164	162	173	164	182	221
19	203	196	203	237	222	230	
18	331	247	310	336	327	334	
17	422	339	400	417	407	424	
16	476	403	461	470	459	474	
15	522	451	514	512	509	533	
14	574	506	554	555	547	588	
13	619	566	597	599	591	631	
12	657	605	632	641	639	693	
11	701	653	677	683	701	743	
10	739	700	724	722	738		
9		757					
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS39-91

XBT NO.	22	23	24	25	26	27	28
YEAR	91	91	91	91	91	91	91
MONTH	6	6	6	6	6	6	6
DAY (GMT)	17	17	17	17	17	17	17
TIME (GMT)	0212	0401	0553	0753	1017	1158	1353
LAT (N)	23.73	22.99	23.14	22.30	21.90	21.61	21.29
LON (W)	71.41	70.66	70.81	69.97	69.54	69.25	68.89
SURF T (C)	27.6	27.5	27.6	27.5	27.7	27.5	27.7
28							
27	26	35	32	35	32	36	46
26	44	54	58	53	54	47	66
25	73	86	91	82	85	84	102
24	116	122	125	127	120	105	127
23	150	146	155	155	152	119	149
22	177	173	192	194	181	149	173
21	199	204	225	207	200	186	192
20	220	231	246	223	235	210	210
19	263	270	275	263	269	244	242
18	375	359	343	355	341	321	311
17	454	444	415	419	403	389	387
16	506	475	461	470	448	439	438
15	551	513	506	516	504	493	490
14	602	594	542	561	545	548	524
13	654	646	595	607	602	591	571
12	699	682	644	650	644	653	635
11	749	735	704	698	695	708	693
10			730		735		740
9							
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS39-91

XBT NO.	29	30	31	32	33	34	35
YEAR	91	91	91	91	91	91	91
MONTH	6	6	6	6	6	6	6
DAY (GMT)	17	17	17	17	17	18	18
TIME (GMT)	1606	1847	1954	2159	2356	0153	0353
LAT (N)	20.91	20.43	20.25	19.88	19.57	19.68	18.91
LON (W)	68.50	68.03	67.85	67.51	67.18	66.81	66.43
SURF T (C)	28.1	27.9	28.1	28.0	27.8	28.0	28.1
28	11	7	9				42
27	42	56	39	44	47	51	57
26	63	83	62	62	63	67	76
25	126	132	107	95	101	106	106
24	152	160	129	116	118	133	152
23	168	169	147	138	139	157	167
22	190	187	162	184	167	183	188
21	218	216	204	212	191	205	203
20	238	237	225	251	213	231	212
19	268	263	252	282	233	259	239
18	316	292	290	340	280	302	281
17	380	338	341	389	327	358	329
16	423	387	391	425	363	399	375
15	473	435	428	448	405	433	435
14	512	475	477	461	458	474	477
13	567	512	515	472	515	511	529
12	632	578	580	483	566	573	579
11	690	611	634	497	599	617	620
10	743	664	689	529	644	675	661
9		707	744	566	701	715	734
8				656	745		
7							
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS39-91

XBT NO.	36	37	38	39	40	41	42
YEAR	91	91	91	91	91	91	91
MONTH	6	6	6	6	6	6	6
DAY (GMT)	18	18	18	18	19	19	19
TIME (GMT)	0601	1757	2200	2358	0200	0400	0407
LAT (N)	18.54	18.50	18.18	17.98	17.63	17.19	17.19
LON (W)	66.14	65.83	65.01	64.60	64.28	64.07	64.07
SURF T (C)	27.8	27.9	27.9	28.0	28.1	28.0	28.1
28			11	25	31	39	37
27	42	42	61	46	72	53	62
26	76	81	87	77	88	77	76
25	117	108	119	136	106	88	88
24	138	119	143	149	116	101	100
23	155	136	161	168	136	115	109
22	171	154	182	180	150	125	117
21	194	174	208	197	168	137	130
20	215	193	232	209	178	155	144
19	245	218	252	232	204	177	170
18	276	263	293	262	230	201	192
17	317	302	322	298	244	230	232
16	363	339	366	324	288	258	253
15	392		399	361	321	298	297
14			423	419	353	350	331
13			462	450	389	386	367
12			510	473	424	424	408
11			541	512	484	488	453
10			563	567	533		523
9			638	595	592		569
8			700	669	647		620
7					751		687
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS39-91

XBT NO.	43	44	45	46	47	48	49
YEAR	91	91	91	91	91	91	91
MONTH	6	6	6	6	6	6	6
DAY (GMT)	19	19	19	19	19	19	19
TIME (GMT)	0556	0759	0804	0953	1158	1359	1608
LAT (N)	16.79	16.36	16.36	15.89	15.40	14.94	14.48
LON (W)	63.87	63.66	63.66	63.46	63.28	63.10	62.90
SURF T (C)	28.0	28.3	28.3	28.0	28.0	27.9	27.9
28	37	45	31	49			
27	55	64	54	69	68	54	51
26	85	91	76	93	99	74	84
25	101	109	95	113	115	117	127
24	114	116	104	125	126	135	141
23	142	123	119	135	142	143	154
22	150	132	126	147	156	155	160
21	169	146	143	155	169	172	181
20	184	162	154	174	195	186	188
19	208	171	170	203	224	195	202
18	224	206	191	236	246	227	215
17	252	225	225	249	272	243	229
16	265	255	263	274	303	298	252
15	304	288	298	297	329	319	281
14	336	325	332	310	374	346	304
13	379	345	359	372	406	383	327
12	430	398	386	413	430	419	370
11	470	424	435	460	475	465	413
10	510		492	476	544	514	457
9	551		560	563	595	587	517
8	661		614	662	645	660	581
7			710	736	726	749	669
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS39-91

XBT NO.	50	51	52	53	54	55	56
YEAR	91	91	91	91	91	91	91
MONTH	6	6	6	6	6	6	6
DAY (GMT)	19	19	19	19	20	20	20
TIME (GMT)	1754	1958	2200	2357	0158	0357	1802
LAT (N)	14.10	13.68	13.29	12.89	12.47	12.05	10.95
LON (W)	62.77	62.60	62.37	62.20	62.06	61.85	59.89
SURF T (C)	28.0	27.8	27.9	27.8	27.7	27.6	27.6
28							
27	67	88	84	59	56	65	29
26	84	99	89	69	64	67	45
25	98	106	95	82	69	76	62
24	114	113	105	94	74	85	78
23	118	120	110	108	81	90	88
22	127	124	119	118	94	97	94
21	137	127	126	131	107	114	105
20	153	135	135	141	122	117	126
19	160	144	144	150	133	119	131
18	182	152	160	163	149	124	141
17	188	162	177	182	166	146	151
16	194	172	199	201	196	174	160
15	224	206	224	223	223	193	173
14	258	218	241	243	250	203	202
13	285	251	261	280	282		224
12	317	297	288	302	322		247
11	348	377	322	340	356		277
10	400	425	345	369	409		320
9	492	487	369	404	454		341
8	597	567	466	499	510		371
7	675	649	567	624	603		440
6			755		756		605

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS39-91

XBT NO.	57	58	59	60	61	62	63
YEAR	91	91	91	91	91	91	91
MONTH	7	6	6	6	6	6	6
DAY (GMT)	22	21	21	21	22	22	22
TIME (GMT)	1223	0457	1320	1732	0117	0408	0708
LAT (N)	10.53	9.77	8.93	8.48	7.91	7.76	7.61
LON (W)	25.01	58.24	56.94	56.15	54.87	54.22	53.58
SURF T (C)	25.7	27.6	27.7	27.9	27.5	28.0	28.2
28						4	36
27		63	45	45	47	40	82
26		68	80	74	63	60	90
25	84	90	88	81	75	69	99
24	86	113	99	87	79	83	108
23	92	133	108	97	91	87	122
22	102	150	120	109	99	94	128
21	110	161	129	118	107	106	149
20	117	168	134	125	116	124	157
19	128	179	138	132	122	146	165
18	134	186	141	146	133	151	170
17	140	191	145	154	138	159	176
16	154	199	159	164	142	173	183
15	166	230	169	176	151	183	195
14	184	237	180	199	164	190	209
13	201	248	200	217	171	204	229
12	223	257	222	232	178	211	251
11	243	282	250	253	198	234	280
10	271	322	311	290	237	288	323
9	311	376	390	342	315	325	367
8	392	482	439	402	391	406	431
7		607	546	522	499	507	495
6		743	726	706	614	601	614

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS39-91

XBT NO.	64	65	66	67	68	69	70
YEAR	91	91	91	91	91	91	91
MONTH	6	6	6	6	6	6	6
DAY (GMT)	23	25	27	27	27	27	27
TIME (GMT)	0015	2358	0257	0508	0723	0945	1152
LAT (N)	8.31	7.11	5.55	5.31	5.05	4.75	4.47
LON (W)	52.34	50.33	50.93	50.55	50.17	49.78	49.45
SURF T (C)	27.5	28.1	28.3	28.1	28.0	28.2	28.1
28	47	22	16	14	13	52	36
27	83	62	48	63	79	81	73
26	106	91	75	83	96	92	108
25	113	105	84	88	102	95	114
24	117	111	87	94	107	99	116
23	122	119	91	98	109	104	117
22	130	123	94	102	112	109	119
21	133	126	97	105	114	113	121
20	138	131	101	115	116	117	125
19	141	136	105	125	118	121	129
18	145	140	109	132	125	123	132
17	147	145	117	137	129	126	134
16	166	152	150	141	139	128	135
15	173	159	160	149	153	143	137
14	180	167	167	170	168	161	140
13	191	175	173	199	174	167	151
12	209	192	198	229	213	195	160
11	232	225	216	239	221	219	177
10	276	286	253	292	275	247	198
9	351	362	347	337	349	333	278
8	437	419	390	425	425	423	365
7			507	491	523	557	507
6			652	627	627	665	635

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS39-91

XBT NO.	71	72	73	74	75	76	77
YEAR	91	91	91	91	91	91	91
MONTH	6	6	6	6	6	7	7
DAY (GMT)	27	27	28	29	30	1	1
TIME (GMT)	1413	1633	0055	0029	0011	0005	2358
LAT (N)	4.19	3.74	4.54	6.27	8.36	6.65	4.19
LON (W)	49.06	48.86	48.37	46.49	46.11	44.04	44.00
SURF T (C)	28.2	28.2	28.3	27.5	27.2	27.9	27.9
28	28	23	74			20	17
27	64	69	81	59	70	51	85
26	93	91	86	80	86	59	101
25	123	130	101	96	96	62	109
24	127	143	120	100	98	65	113
23	131	147	134	104	105	67	115
22	134	148	154	107	112	71	117
21	137	150	161	109	116	74	121
20	142	151	163	113	121	78	125
19	151	152	164	119	127	83	129
18	154	154	166	123	134	89	137
17	155	156	169	130	141	96	142
16	157	163	171	142	155	100	151
15	158	170	172	152	168	117	181
14	162	175	174	157	184	130	205
13	175	190	176	164	194	143	218
12	194		186	175	217	156	241
11	204		239	197	244	186	273
10	240		286	220	306	232	304
9	304		353	291	406	291	346
8	354		452	376	523	392	396
7	495		538	464	613	561	
6	653		647	588	757	691	

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS39-91

XBT NO.	78	79	80	81	82	83	84
YEAR	91	91	91	91	91	91	91
MONTH	7	7	7	7	7	7	7
DAY (GMT)	3	4	4	4	4	4	5
TIME (GMT)	0034	0355	0800	1154	1559	1959	0002
LAT (N)	1.95	0.61	0.44	0.22	0.00	0.64	1.25
LON (W)	44.03	43.81	42.95	42.15	41.00	40.69	40.14
SURF T (C)	27.8	27.5	27.4	27.4	27.7	27.7	27.6
28							
27	62	110	98	69	60	67	66
26	76	111	105	93	67	80	72
25	79	112	110	98	73	82	77
24	82	112	111	106	94	88	83
23	85	113	112	109	103	95	86
22	87	114	113	114	104	101	88
21	88	115	115	119	105	107	94
20	91	118	118	122	110	114	99
19	126	135	126	125	120	118	105
18	131	157	140	138	128	122	123
17	133	170	148	141	139	135	132
16	144	174	161	145	145	170	134
15	154	183	176	182	164	173	136
14	169	196	210	216	187	183	177
13	178	216	244	247	224	209	216
12	250	283	260	273	277	231	232
11	290	308	269	278	287	237	262
10	341	332	275	284	297	256	288
9	385	355	386	382	381	313	412
8	436	465	455	410	443	379	473
7		481	490	483	496	509	555
6		607	577	620	607	629	581

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ISOTHERM DEPTHS (m)

R/V MALCOLM BALDRIGE ALB-STAC539-91

XBT NO.	85	86	87
YEAR	91	91	91
MONTH	7	7	7
DAY (GMT)	5	5	5
TIME (GMT)	0400	0759	1157
LAT (N)	1.83	2.42	3.07
LON (W)	39.66	39.15	38.68
SURF T (C)	27.6	27.8	27.3
28			
27	52	24	63
26	75	43	67
25	82	54	68
24	86	59	70
23	88	70	73
22	89	75	82
21	92	83	86
20	111	86	89
19	114	94	102
18	116	118	127
17	118	124	138
16	139	128	179
15	146	133	203
14	151	175	270
13	156	196	274
12	232	207	279
11	250	294	355
10	288	315	379
9	373	365	409
8	493	424	442
7	544	526	472
6	613	574	615

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ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS40-91

XBT NO.	1	2	3	4	5	6	7
YEAR	91	91	91	91	91	91	91
MONTH	9	9	9	9	9	9	9
DAY (GMT)	8	8	8	9	9	11	11
TIME (GMT)	1054	1356	2249	0053	2357	0002	2353
LAT (N)	0.16	0.09	0.98	1.45	2.88	5.47	7.38
LON (W)	44.44	44.40	44.30	44.13	43.98	44.02	44.07
SURF T (C)	26.2	25.9	26.6	26.6	26.5	28.1	28.7
28						46	52
27						59	72
26	94	86	103	109	113	71	82
25	99	120	105	113	126	77	84
24	101	123	108	127	139	81	87
23	110	128	116	129	142	82	90
22	115	132	119	131	144	84	95
21	126	140	122	135	146	87	102
20	136	149	136	143	150	92	110
19	152	153	151	148	161	97	117
18	173	164	166	167	171	103	121
17	179		177	171	184	110	123
16	221		182	194	225	114	129
15	264		186	205	238	124	137
14	293		215	221	244	135	142
13	316		273	276	261	155	154
12	331		295	305	273	168	167
11	361		328	328	288	204	185
10	365		369	370	305	249	222
9	393		397		357	297	311
8	434				402	379	432
7							
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS40-91

XBT NO.	8	9	10	11	12	13	14
YEAR	91	91	91	91	91	91	91
MONTH	9	9	9	9	9	9	9
DAY (GMT)	13	13	14	18	20	21	22
TIME (GMT)	1853	2201	2354	2355	0006	0007	0039
LAT (N)	4.91	4.88	5.36	15.82	20.22	24.56	26.48
LON (W)	49.94	50.77	49.31	63.17	66.92	71.23	74.18
SURF T (C)	27.8	28.4	28.0	29.0	29.3	29.4	29.6
28		6	5	57	51	47	56
27	11	18	42	91	60	53	63
26	101	63	109	117	78	61	80
25	104	67	159	145	110	77	102
24	109	70	163	156	133	91	121
23	114	71	167	170	151	113	143
22	121	72	179	188	177	134	167
21	127	74	184	195	197	160	195
20	132	76	188	207	211	196	238
19	140	80	192	211	237	272	283
18	152		200	219	307	390	393
17	163		206	233	359		
16	170		212	268	414		
15	214		218	299			
14	223		229	337			
13	236		239	364			
12	258		263	386			
11	284		289	411			
10	311		315				
9	418		352				
8			386				
7							
6							

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