NOAA Data Report ERL AOML-22

HYDROGRAPHIC OBSERVATIONS IN THE WESTERN TROPICAL AND SUBTROPICAL NORTH ATLANTIC OCEAN: ATLANTIC CLIMATE CHANGE PROGRAM (ACCP) AND WESTERN TROPICAL ATLANTIC EXPERIMENT (WESTRAX) DURING 1990

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I. INTRODUCTION

Atlantic Oceanographic and Meteorological Laboratory cruises during 1990 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 and September 1990, 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 and 3. During June, 1990, the ACCP considered western boundary currents 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 and ACCP cruises conducted on the NOAA ships MT MITCHELL and MALCOLM BALDRIGE during three cruises in 1990 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 1990 (MM-90-01-STACS)	MT MITCHELL	1/22 - 3/03/90	38	114
June 1990 (MB-90-04-STACS)	MALCOLM BALDRIGE	6/15 - 7/11/90	67	53
September 1990	MALCOLM BALDRIGE	9/07 - 10/10/90	50	169

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 approxi-

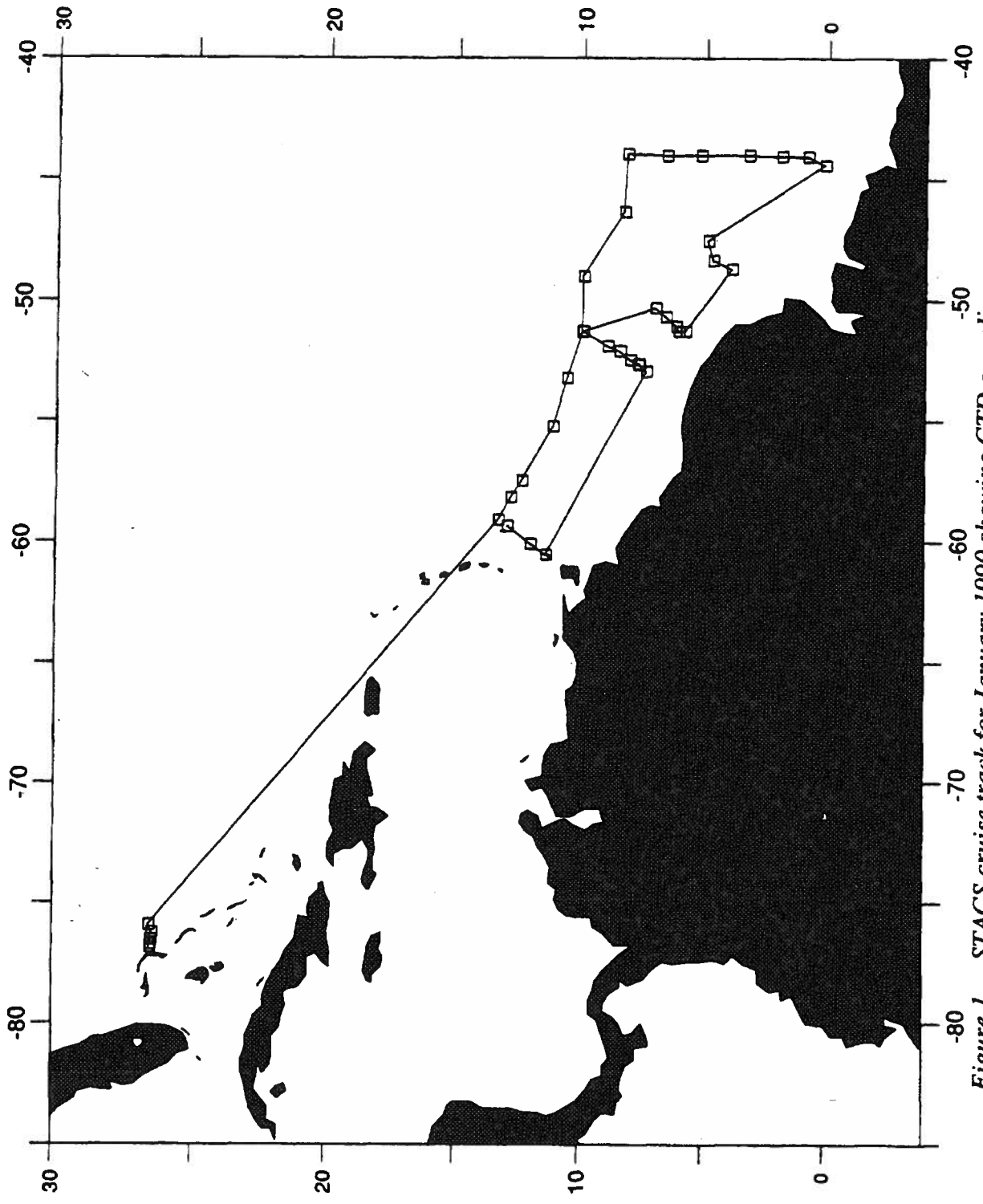

Figure 1. STACS cruise track for January 1990 showing CTD sampling stations.

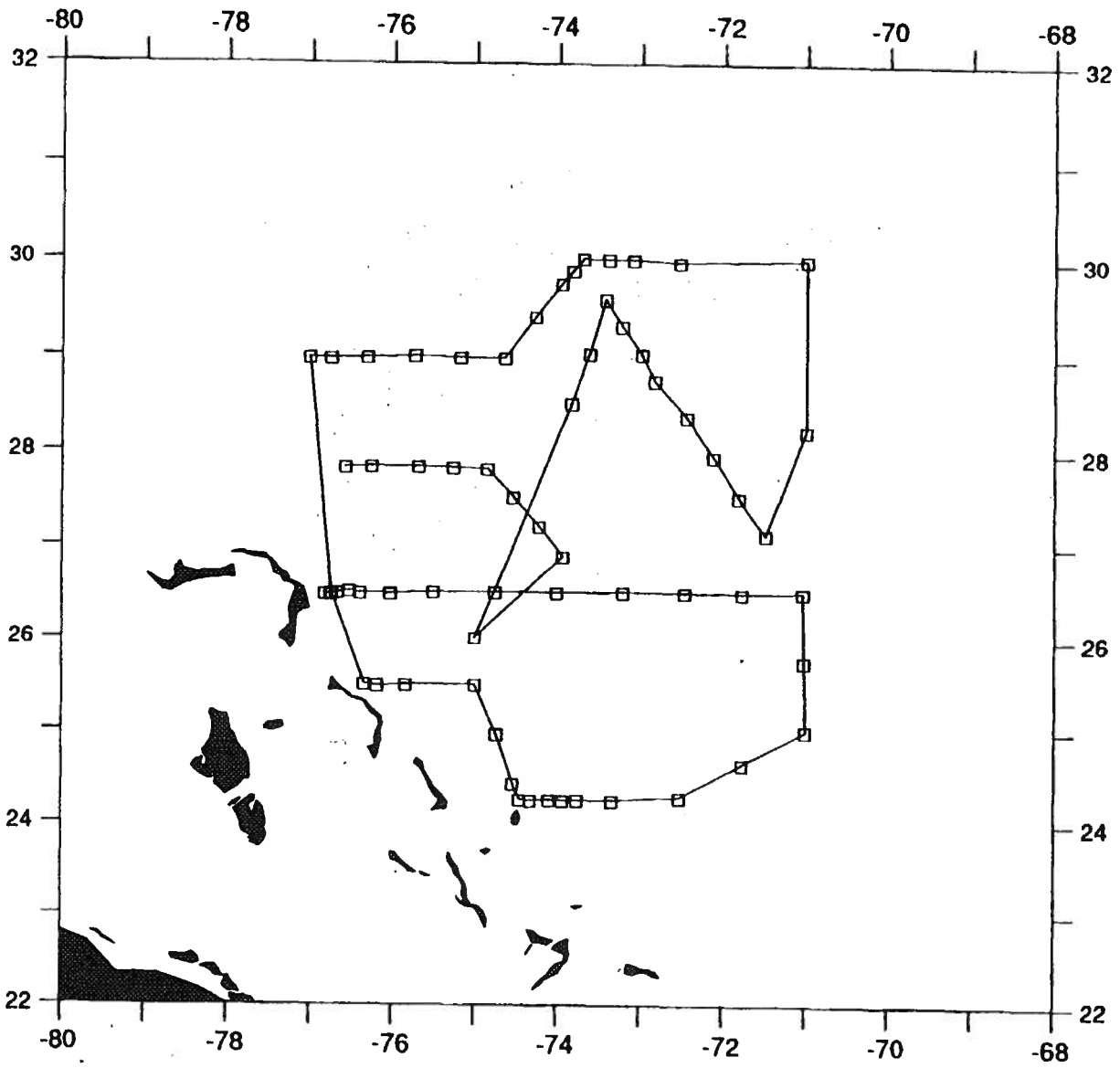

Figure 2. STACS cruise track for June 1990 showing CTD sampling stations.

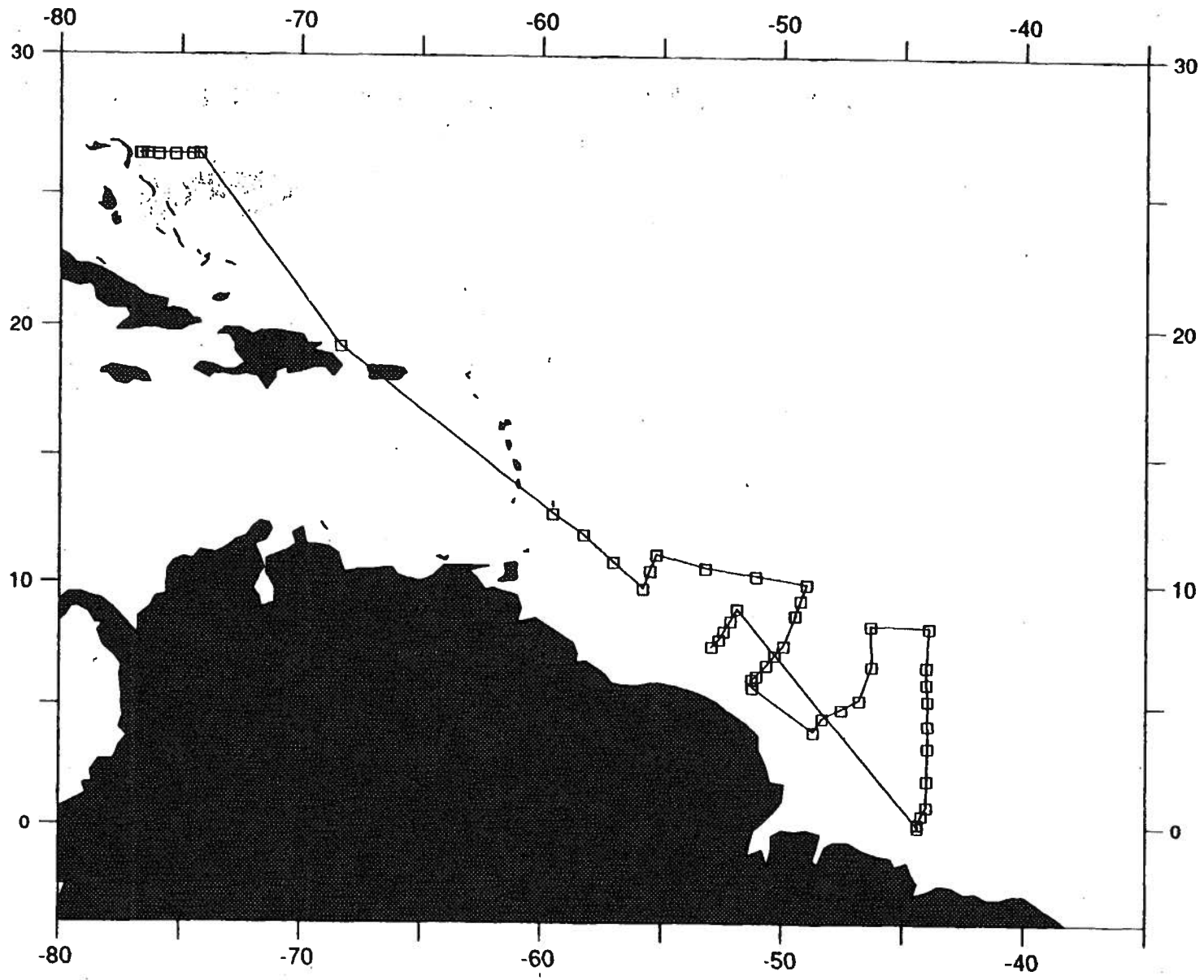

FIGURE 3. STACS cruise track for September 1990 showing ctd sampling stations.

mately 30 meters per minute to a depth of 200 meters then increases to 60 meters 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. 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 1990:

The January 1990 cruise included 38 CTD casts, of which only 34 yielded useable data due to problems with the CTD wire. Therefore there are no casts 12-15 for this cruise. Casts 1-33 were taken in the western tropical North Atlantic, and casts 34-38 along 26.5°N east of Abaco, the Bahamas. A number of problems occurred during this cruise, including difficulties with both autosals (repaired at sea) and leaky Niskin bottles. In addition, the January 1990 cruise was the first of what would turn out to be a series of four cruises (January 1990, June 1990, September 1990 and January 1991) during which the CTD conductivity calibration changed more frequently than normal (sometimes cast-to-cast). The problem could not be reproduced during many laboratory calibrations at the manufacturer until after the January 1991 cruise. At that time a small crack in the conductivity sensor was detected

and the sensor was replaced. Fortunately, the quality of the bottle salinity data was high and cast-to-cast corrections were possible.

There was a depth dependence to the distribution of bottle salinity minus uncalibrated CTD salinity, with values at the surface approximately .010 psu fresher than found at 1500 db. Below 1500 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 was observed to drift somewhat during the first half of the cruise especially, within the range of .001 to .004, and then stabilize at .002 to .003 for most of the remainder of the cruise. A polynomial fit was determined for the upper water column over the entire 34 casts, and matched at 1500 db to the time-varying correction in the deep water for each cast.

The polynomial correction and the constant corrections applied to the CTD below 1500 db are tabulated below:

P < 1500 db:

S = S - .007 + .870e-05*P - .296e-08*P*P + .298e-12*P*P*P

P > 1500 db:

Casts	Correction
1	.001
2	.012
3	.006
4-6	.004
7-9	.002
10-18	.003
19-20	.001
21-24	.002
25-33	.003
34-37	.002
38	.004

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 34 good CTD casts, there were a total of 228 bottle values and the standard deviation of the calibrated CTD data minus the bottle salinities was ± .003 psu, with much of the scatter found in the upper water (Figure 5).

June 1990:

The June 1990 cruise included 67 CTD casts, of which only 64 yielded useable data due to problems with the CTD wire. Therefore there are no casts 3, 9, and 10 for this cruise. The entire cruise was conducted east of Abaco, the Bahamas, between 20°N and 30°N.

A number of problems were experienced during this cruise, including a loose conductivity board and bad slip rings, both repaired at sea. Leaky Niskin bottles also were detected and repaired. The conductivity sensor

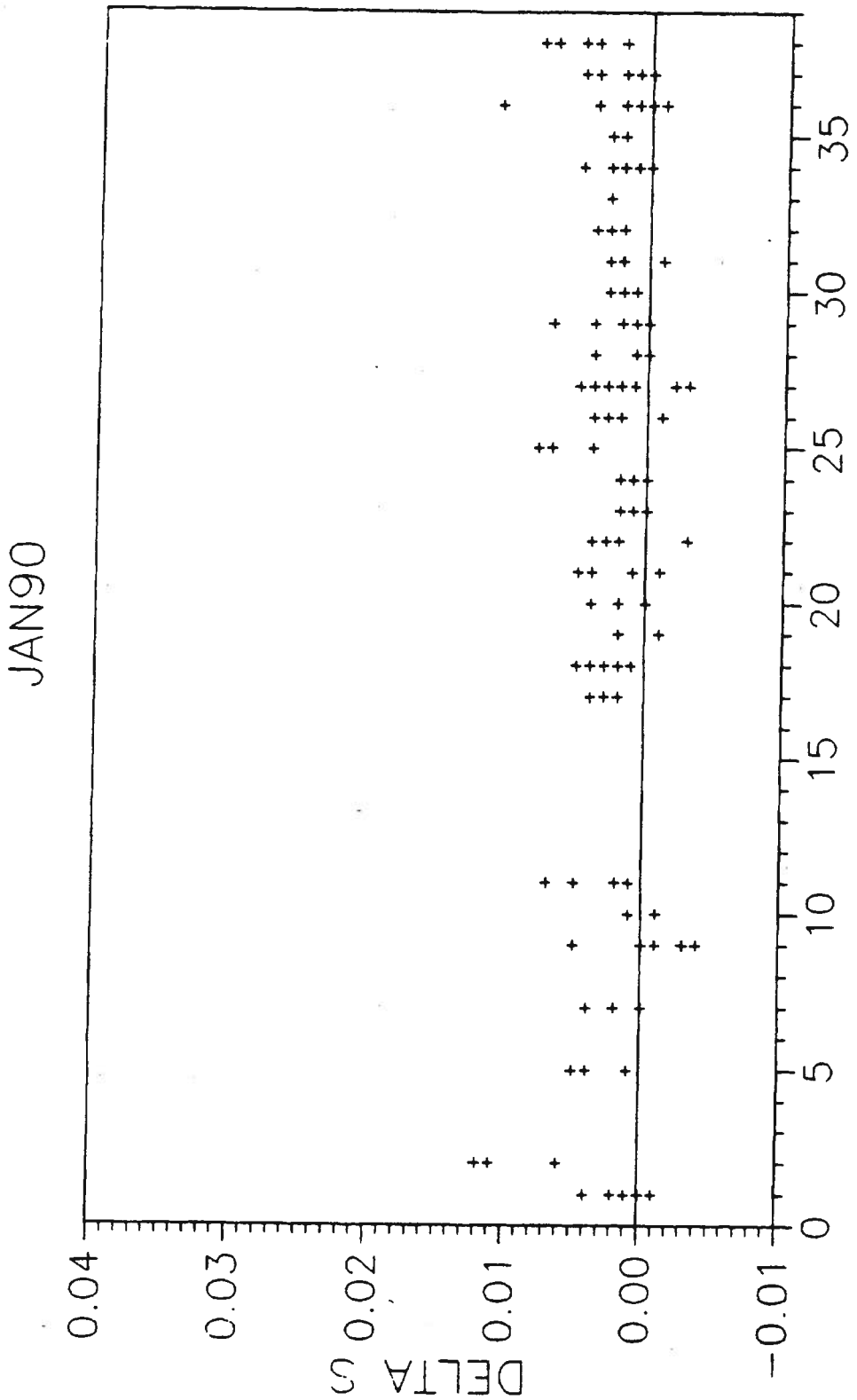

Figure 4. Time history of bottle minus uncalibrated CTD salinity vs. cast number for the January 1990 cruise.

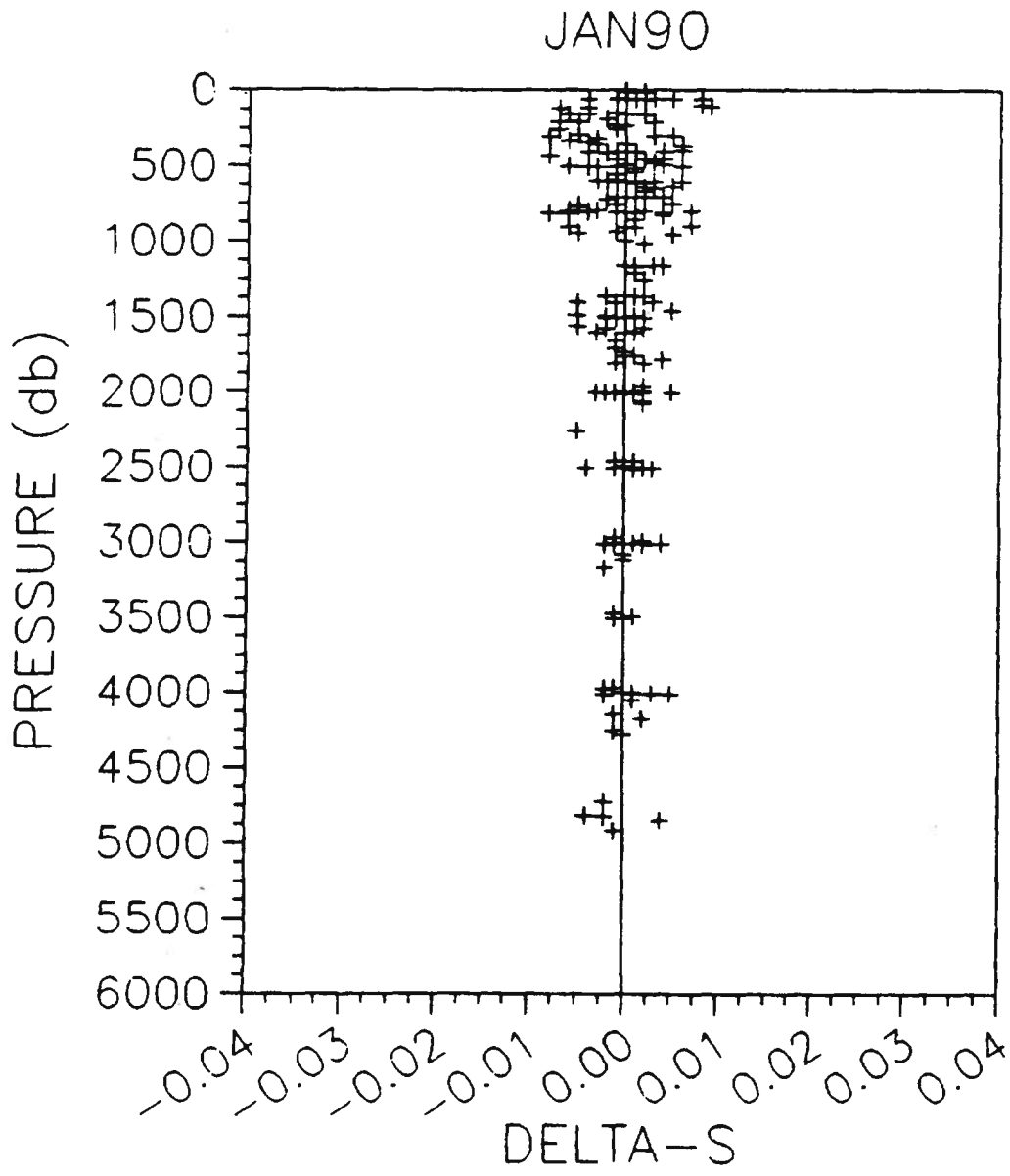

Figure 5. Bottle salinity minus calibrated CTD salinity vs. pressure for the January 1990 cruise.

failed on casts 2 and 3, and the slip ring problem caused the loss of casts 9-11.

There was a similar depth dependence to the distribution of bottle salinity minus uncalibrated CTD salinity as seen during January 1990, with values at the surface approximately .010 psu fresher than found at 1400 db. Below 1400 db there was a constant offset between the bottle and uncalibrated CTD salinities.

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 within the range of -.005 to .006 psu. A polynomial fit was determined for the upper water column over the entire 64 casts, and matched to the time-varying correction in the deep water for each cast. 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 drift in the CTD conductivity sensor.

The polynomial correction and the constant corrections applied to the CTD below 1400 db are tabulated below:

P < 1400 db:

S = S - .0075 - .130e-04*P + .253e-087*P*P - .878e-11*P*P*P

P > 1400 db:

Casts	Correction
1-2	-.002
4	-.004
5-7	-.002
8	-.005
11-12	-.003
13	-.002
14-15	.000
16	-.005
17-18	.000
19	.001
20-23	.002
24-31	.006
32-35	-.003
36-40	-.004
41	-.003
42-45	-.005
46	-.004
47	-.005
48-50	-.004
51	-.005
52-55	-.003
56	.000
57	-.002
58-61	-.003
62-63	-.002
64-65	.000
66-67	-.001

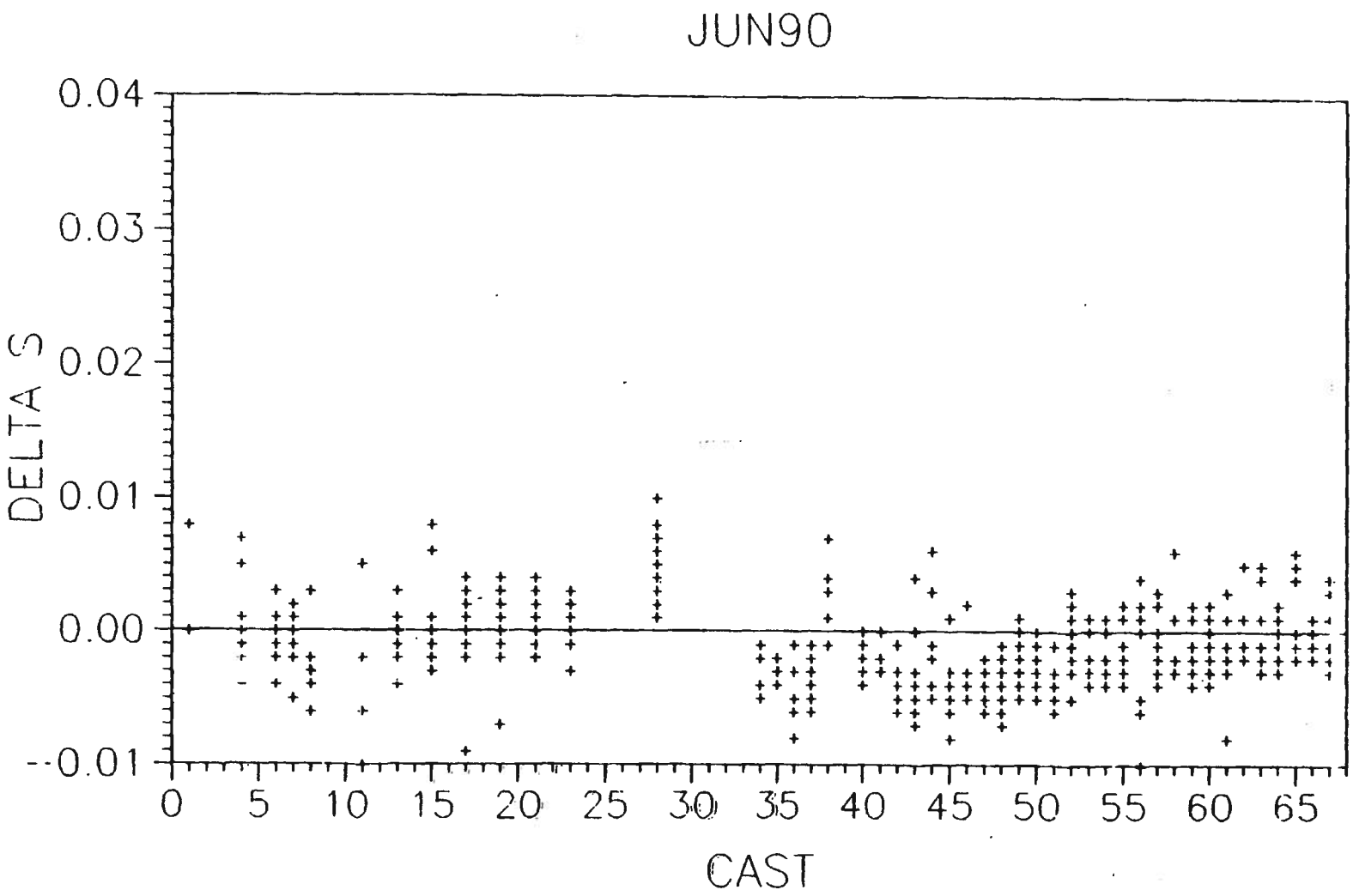

Figure 6. Time history of bottle minus uncalibrated CTD salinity vs. cast number for the June 1990 cruise.

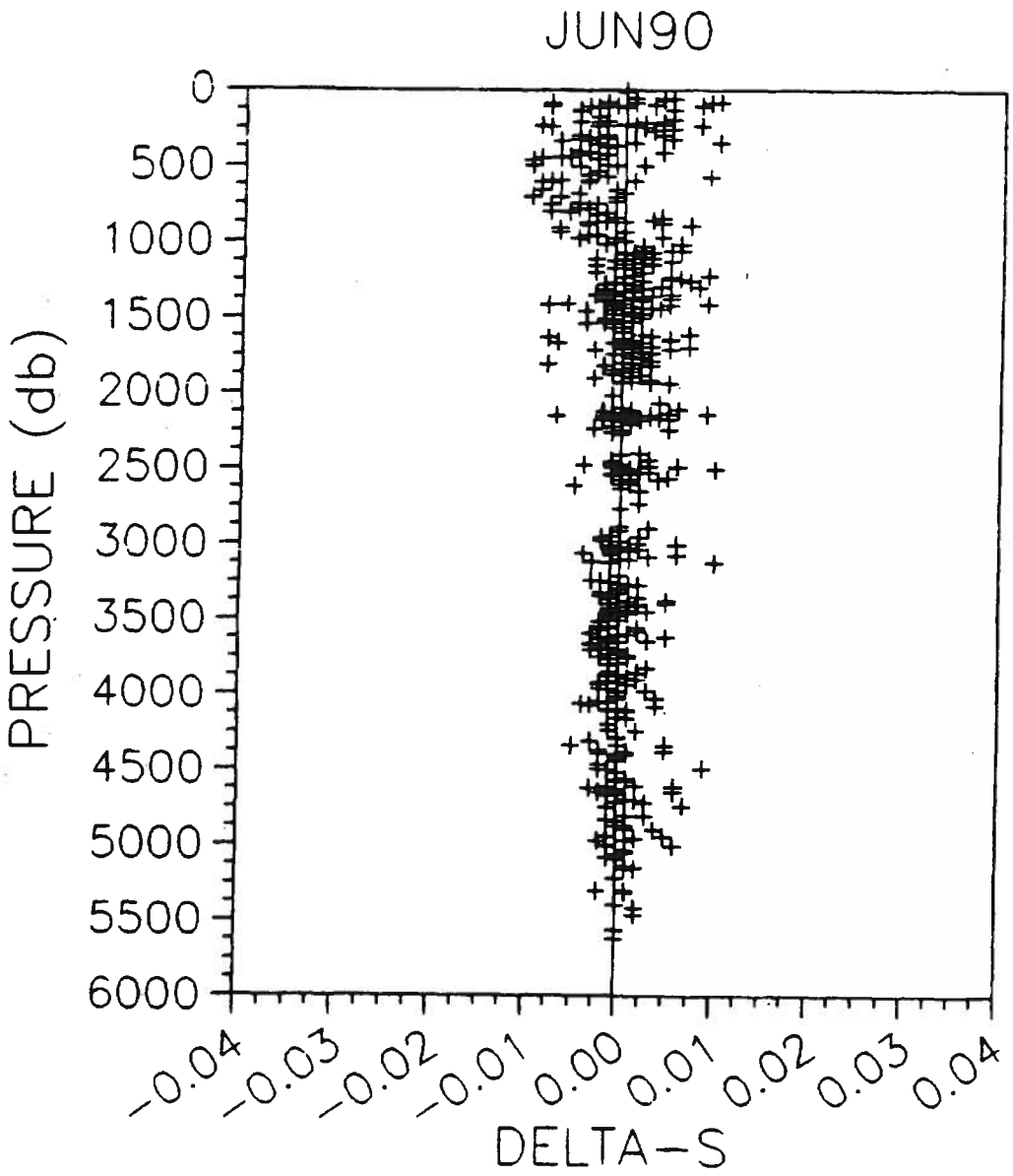

Figure 7. Bottle salinity minus calibrated CTD salinity vs. pressure for the June 1990 cruise.

Figure 7 shows the bottle salinity minus the final calibrated CTD salinity vs. pressure. As during January, the upcast bottle values were matched with the downcast CTD data by potential temperature, not pressure. These residuals were then plotted vs the pressure at which each bottle was tripped. For the 64 good CTD casts, there were a total of 578 bottle values and the standard deviation of the calibrated CTD data minus the bottle salinities was ± .002 psu.

September 1990:

The September 1990 cruise included 50 CTD casts. Casts 1-8 were taken along 26.5°N east of Abaco, the Bahamas, and the remainder between Barbados and the equator off northern Brazil.

The CTD experienced problems at the start of the cruise, rendering the first five casts unuseable. In addition, the worsening problem with the conductivity cell caused the calibration to drift and change much more than during the previous two cruises, requiring a cast-by-cast calibration.

There was a more pronounced depth dependence to the distribution of bottle salinity minus uncalibrated CTD salinity than seen during January and June 1990, with values at the surface .019 psu fresher than found at 1000 db. Below 1000 db there was a constant offset between the bottle and uncalibrated CTD salinities.

Figure 8 shows the time history of the bottle minus uncalibrated CTD salinity for pressure greater than 1000 db. The CTD salinity was observed to drift within the range of .000 to .031 psu. A polynomial fit was determined for the upper water column over the entire 50 casts, and matched to the time-varying correction in the deep water for each cast. The bottle minus CTD salinity were examined cast by cast vs pressure and vs potential temperature, as above. (Note that cast 16 is included in the data report, but may be suspect because there were no salinity bottles taken during this cast, and a correction of -.075 was needed to bring the deep temperature-salinity correlation into consistency withg the surrounding casts. The actual CTD trace looks good, but a correction as large as -.075 is not reasonable and remains a mystery.)

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

P < 1000 db:

S = S - .019 + .511e-04*P - .442e-07*P*P + .116e-10*P*P*P

P > 1000 db:

Casts	Correction
1-5	.000
6-7	.005
8-10	.006
11	.015
12-13	.016
14-15	.014
16	-.075

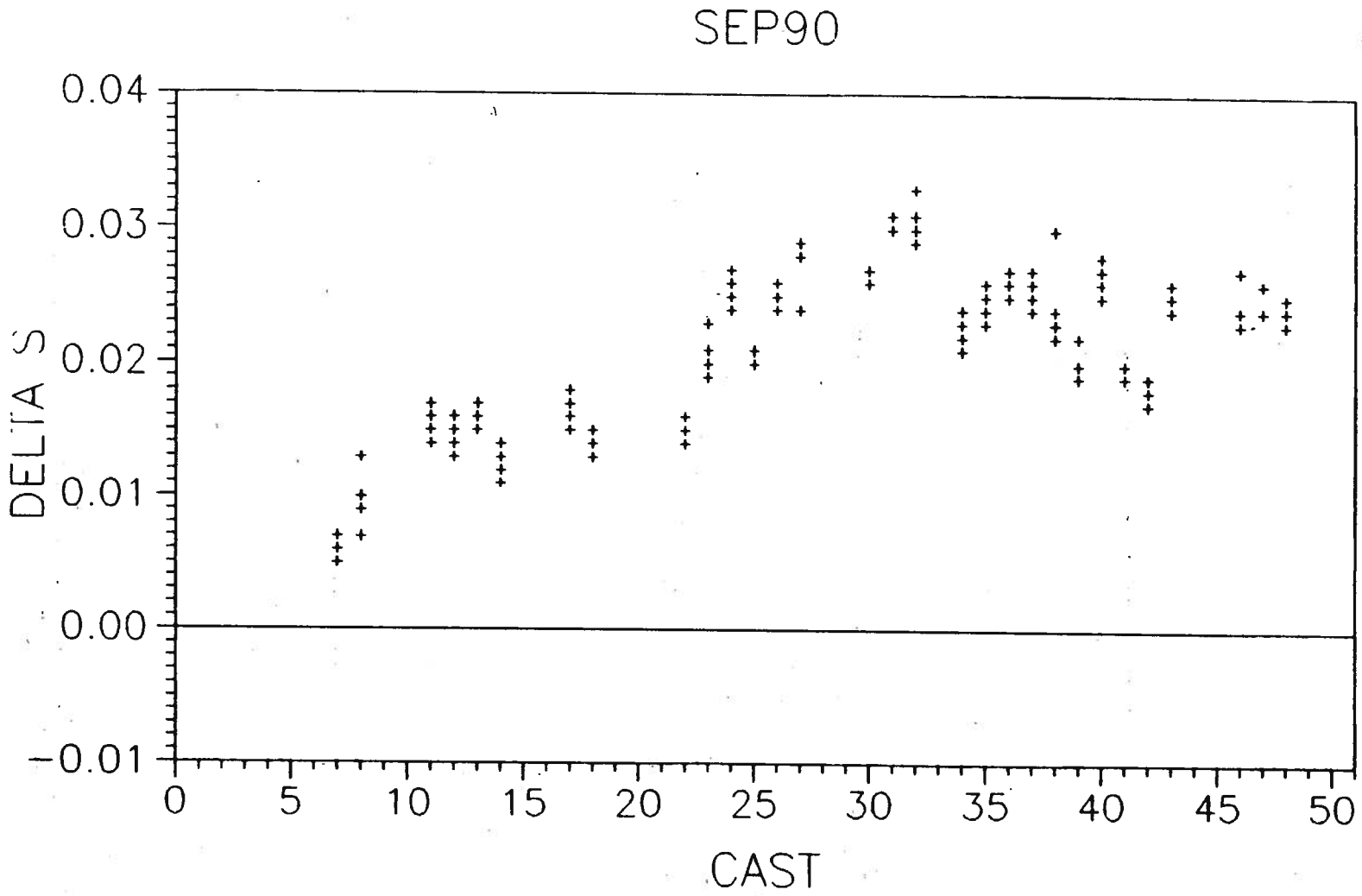

Figure 8. Time history of bottle minus uncalibrated CTD salinity vs. cast number for the September 1990 cruise.

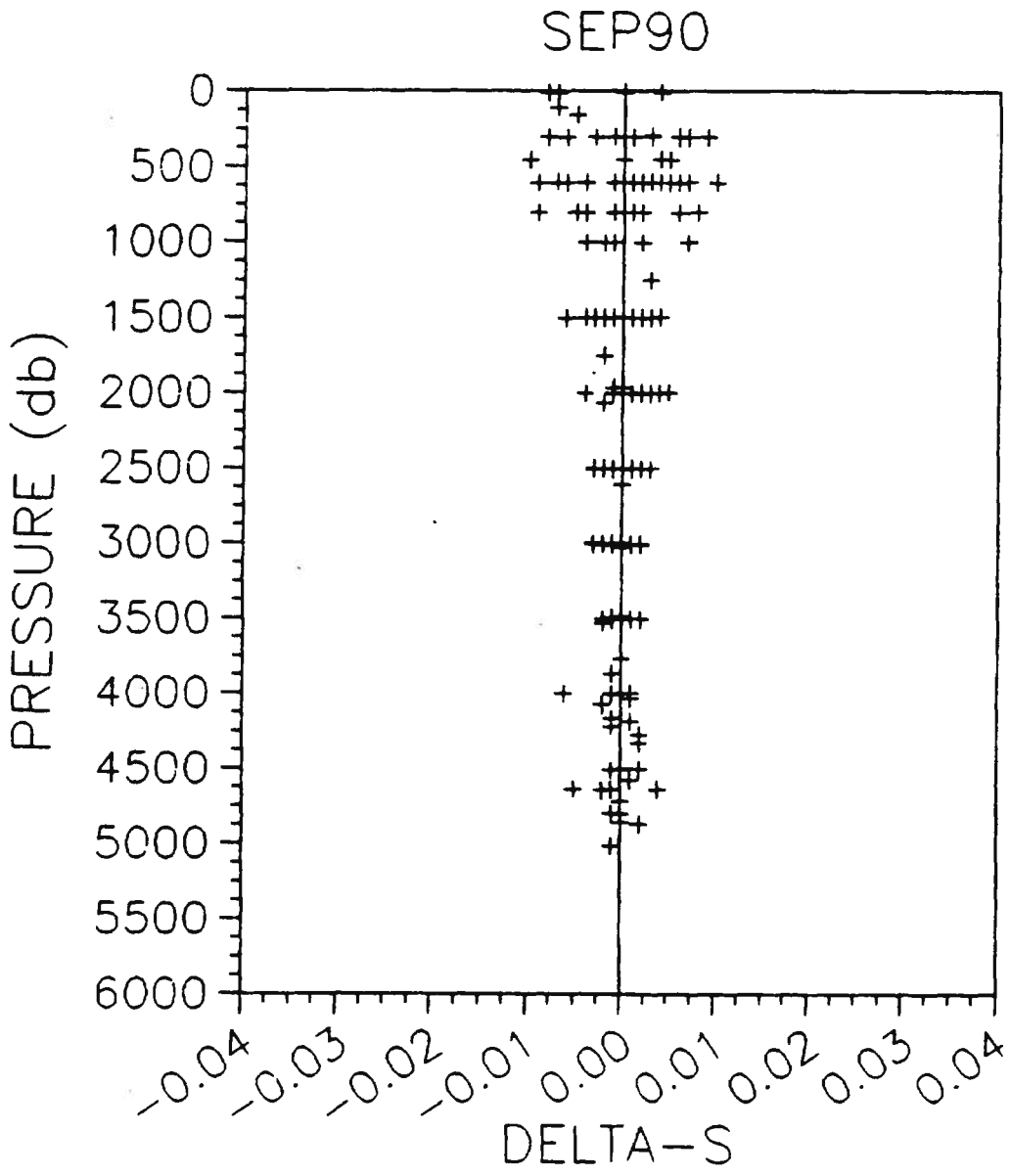

Figure 9. Bottle salinity minus calibrated CTD salinity vs. pressure for the September 1990 cruise.

Casts	Corrections
17	.016
18	.015
19-21	.000
22	.016
23	.019
24	.027
25	.020
26	.026
27-30	.028
31-32	.031
33	.020
34	.023
35	.024
36-37	.026
38	.024
39	.021
40	.026
41	.019
42	.017
43	.024
44-46	.023
47-50	.025

Figure 9 shows the bottle salinity minus the final calibrated CTD salinity vs. pressure. For the 50 CTD casts, there were a total of 219 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.

III. REFERENCES

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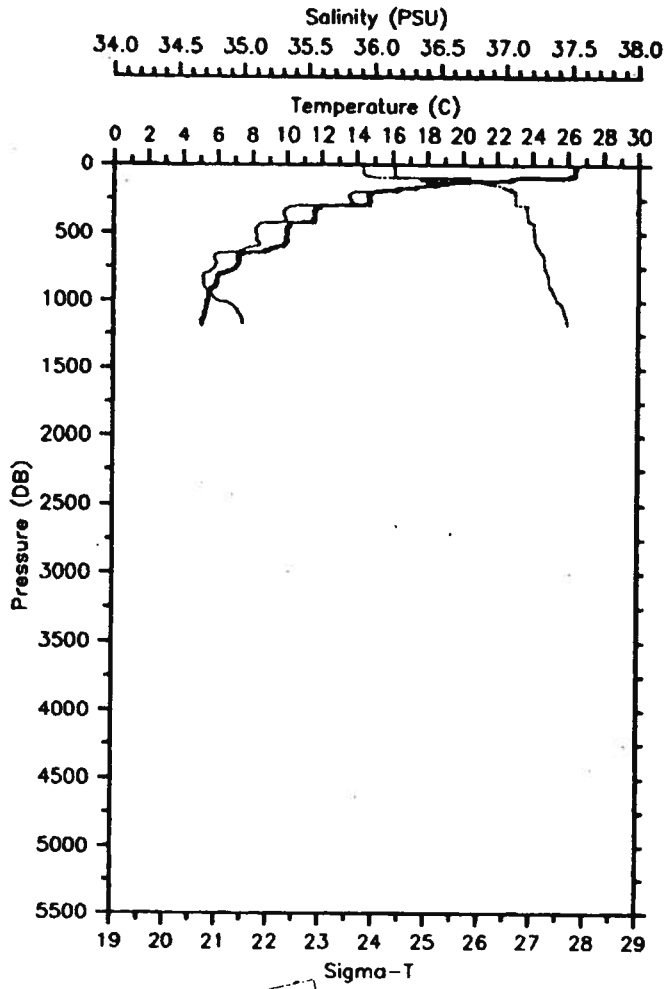
IV. ACKNOWLEDGMENTS

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

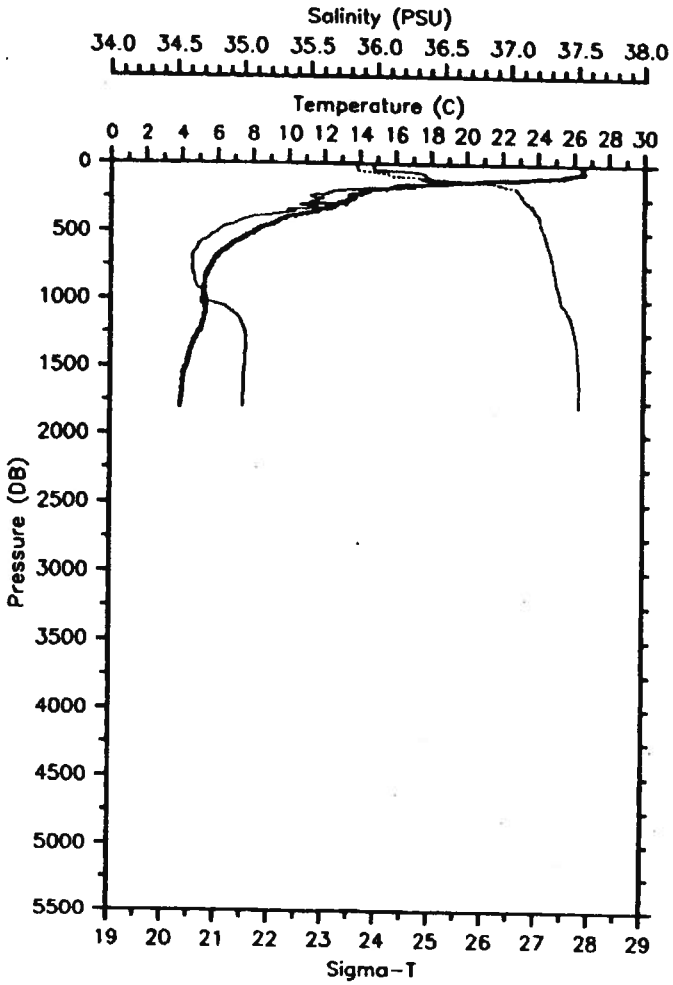
Casts are presented by cruise and increasing cast number. Julian day and time, cruise number and vessel, and position are given at the top of each plot. Temperature, salinity, and sigma-t profiles are shown for each cast.

BAL-STACS35-90 CTD 1 BALDRIGE
Date 01 31 90 Latitude 13.008N
Time 0852 Z Longitude 59.347W



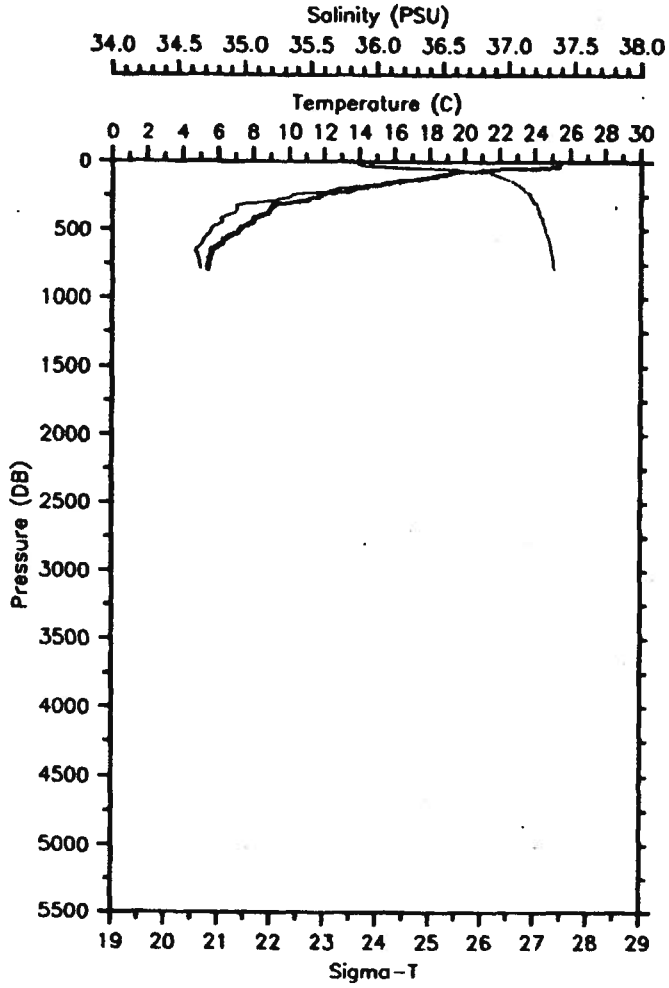
Prs	Tem	Sal	SigT
0	26.37	36.142	23.782
10	26.37	36.145	23.783
20	26.36	36.146	23.785
30	26.38	36.146	23.782
40	26.38	36.146	23.781
50	26.38	36.146	23.780
60	26.38	36.146	23.780
70	26.36	36.147	23.788
80	26.18	36.153	23.850
90	25.64	36.173	24.033
100	22.83	36.367	25.021
110	22.58	36.348	25.078
120	20.26	36.407	25.768
130	19.36	36.490	26.069
140	18.42	36.389	26.241
150	18.00	36.464	26.394
160	17.34	36.301	26.433
170	16.51	36.286	26.619
180	16.23	36.120	26.557
190	15.39	36.010	26.665
200	14.81	35.840	26.663
250	14.65	35.816	26.678
300	11.93	35.384	26.902
350	11.59	35.311	26.910
400	11.58	35.328	26.923
450	10.10	35.108	27.020
500	9.98	35.093	27.028
550	9.97	35.092	27.029
600	9.41	35.072	27.108
650	7.51	34.807	27.194
700	7.19	34.781	27.220
750	7.05	34.779	27.238
800	6.15	34.701	27.297
850	5.99	34.690	27.309
900	5.77	34.696	27.342
950	5.50	34.731	27.403
1000	5.42	34.802	27.468
1178	5.10	34.997	27.661

BAL-STACS35-90 CTD 2 BALDRIGE
Date 01 31 90 Latitude 12.065N
Time 1716 Z Longitude 60.083W



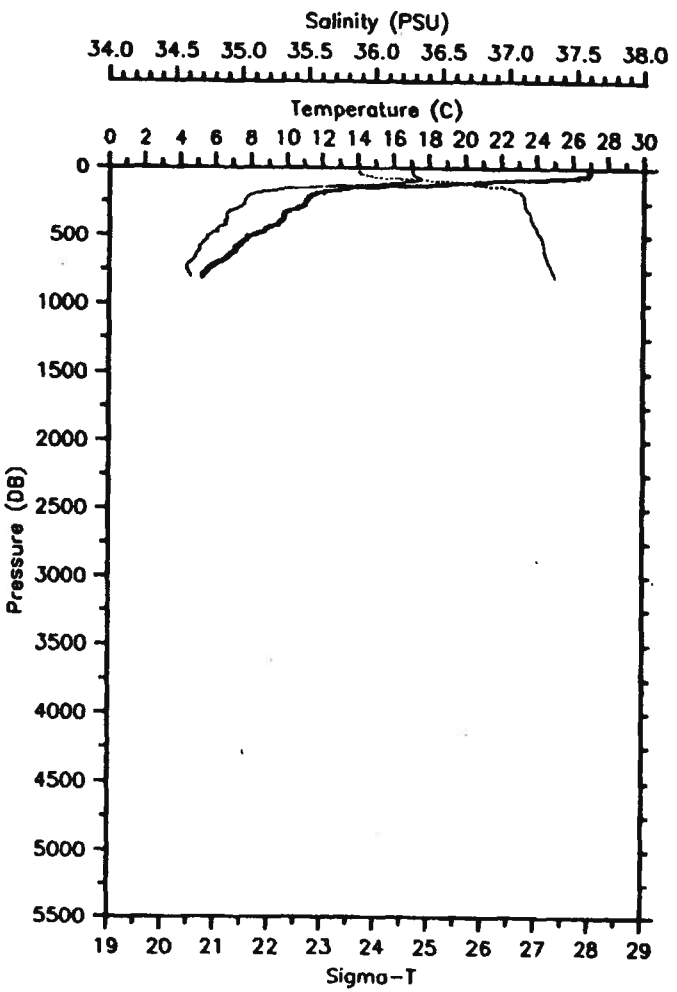
Prs	Tem	Sal	SigT
0	26.64	35.793	23.432
10	26.47	35.864	23.615
20	26.47	35.868	23.618
30	26.47	35.888	23.618
40	26.48	35.971	23.624
50	26.55	36.051	23.656
60	26.43	36.284	23.867
70	25.83	36.345	24.102
80	25.51	36.358	24.213
90	25.15	36.383	24.327
100	23.82	36.393	24.752
110	22.41	36.340	25.121
120	20.92	36.461	25.629
130	19.85	36.523	26.016
140	19.03	36.511	26.170
150	17.49	36.174	26.299
160	16.99	36.129	26.386
170	16.24	36.105	26.542
180	15.49	35.920	26.572
190	14.63	35.754	26.635
200	14.33	35.689	26.634
250	13.68	35.577	26.702
300	12.15	35.419	26.886
350	11.61	35.379	26.958
400	9.79	35.039	27.018
450	8.89	34.905	27.062
500	8.11	34.802	27.103
550	7.43	34.731	27.146
600	6.80	34.661	27.180
650	6.26	34.627	27.225
700	5.88	34.609	27.260
750	5.70	34.612	27.284
800	5.48	34.614	27.313
850	5.33	34.626	27.340
900	5.28	34.644	27.360
950	5.22	34.689	27.402
1000	5.17	34.721	27.434
1500	4.28	35.008	27.763
1798	3.92	34.995	27.791

BAL-STACS35-90 CTD 3 BALDRIGE
Date 02 01 90 Latitude 11.453N
Time 0005 Z Longitude 60.528W



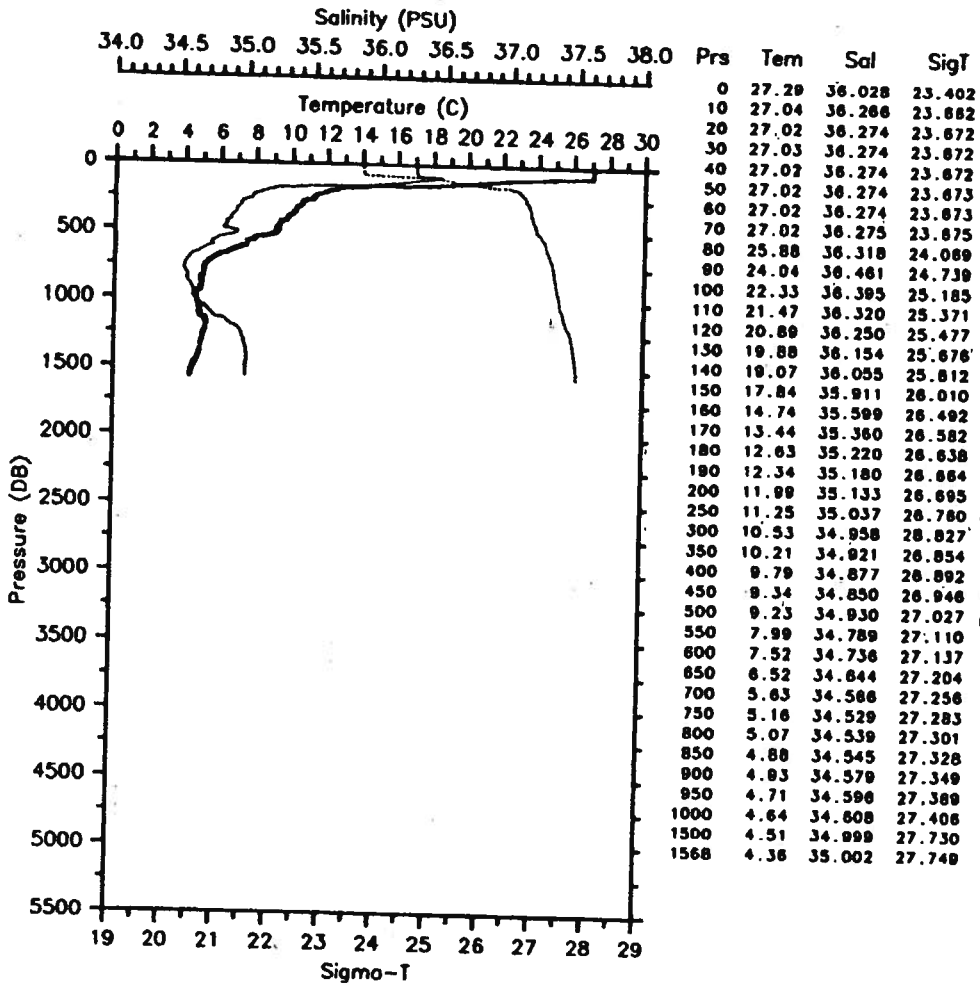
Prs	Tem	Sal	SigT
0	25.32	35.856	23.894
10	25.33	35.854	23.887
20	25.34	35.880	23.890
30	25.33	35.894	23.917
40	24.98	36.049	24.143
50	22.09	36.418	25.271
60	21.33	36.595	25.620
70	20.85	36.804	25.813
80	19.34	36.597	26.156
90	18.90	36.546	26.231
100	18.45	36.495	26.307
110	18.20	36.455	26.338
120	17.74	36.388	26.399
130	17.25	36.311	26.462
140	16.38	36.175	26.570
150	15.81	36.072	26.618
160	15.51	36.011	26.637
170	15.02	35.925	26.681
180	14.47	35.826	26.728
190	14.18	35.773	26.746
200	13.64	35.683	26.791
250	11.75	35.356	26.913
300	10.11	35.098	27.010
350	8.95	34.938	27.078
400	8.33	34.854	27.110
450	7.86	34.816	27.152
500	7.17	34.743	27.193
550	6.58	34.707	27.243
600	6.25	34.681	27.289
650	5.83	34.629	27.307
700	5.56	34.649	27.351
750	5.47	34.660	27.350
789	5.44	34.670	27.362

BAL-STACS35-90 CTD 4 BALDRIGE
Date 02 03 90 Latitude 7.467N
Time 0253 Z Longitude 52.953W



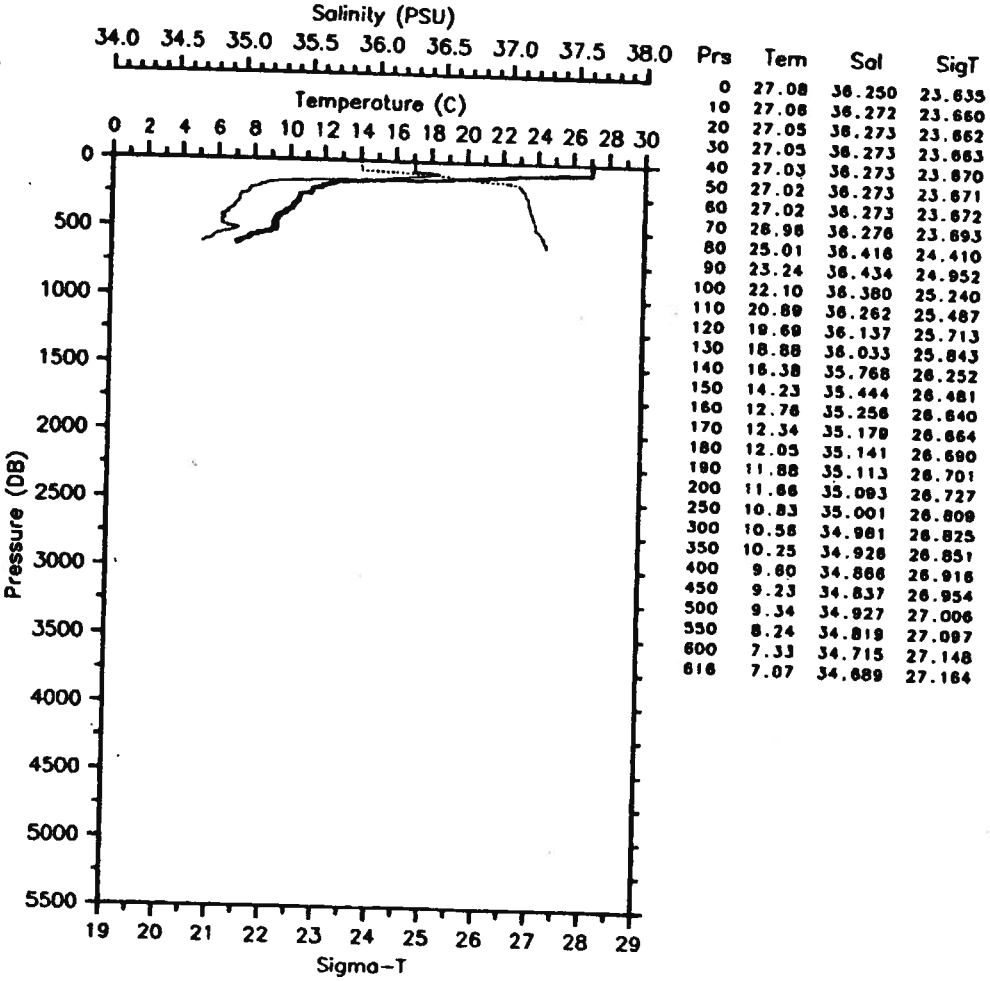
Prs	Tem	Sal	SigT
0	26.98	36.238	23.857
10	26.99	36.269	23.879
20	26.99	36.271	23.880
30	26.98	36.272	23.884
40	26.95	36.276	23.898
50	26.85	36.279	23.731
60	26.35	36.295	23.901
70	26.08	36.333	24.015
80	24.48	36.318	24.485
90	22.38	36.330	25.123
100	21.07	36.272	25.446
110	20.27	36.190	25.600
120	18.81	36.015	25.848
130	17.57	35.878	26.053
140	15.11	35.578	26.393
150	13.67	35.383	26.552
160	13.01	35.269	26.599
170	12.43	35.216	26.673
180	12.10	35.144	26.682
190	11.66	35.092	26.726
200	11.45	35.063	26.743
250	11.08	35.018	26.776
300	10.59	34.965	26.823
350	9.84	34.886	26.891
400	9.54	34.873	26.930
450	8.81	34.812	27.002
500	8.01	34.751	27.077
550	7.55	34.713	27.114
600	7.17	34.676	27.141
650	6.78	34.651	27.173
700	6.10	34.606	27.229
750	5.55	34.578	27.274
800	5.26	34.612	27.337
805	5.26	34.614	27.339

BAL-STACS35-90 CTD 5 BALDRIGE
Date 02 03 90 Latitude 7.769N
Time 1508 Z Longitude 52.641W



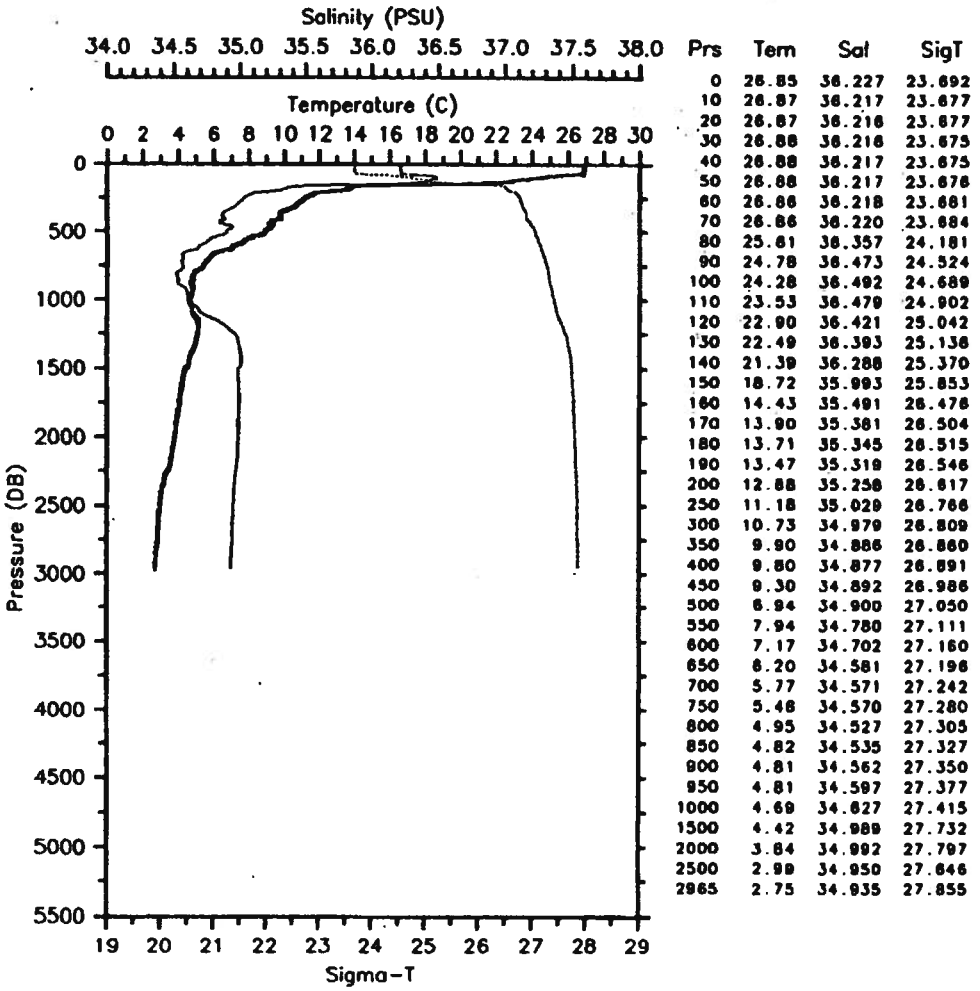
Prs	Tem	Sal	SigT
0	27.29	36.028	23.402
10	27.04	36.266	23.662
20	27.02	36.274	23.672
30	27.03	36.274	23.672
40	27.02	36.274	23.672
50	27.02	36.274	23.673
60	27.02	36.274	23.673
70	27.02	36.275	23.675
80	25.88	36.318	24.069
90	24.04	36.461	24.739
100	22.33	36.395	25.185
110	21.47	36.320	25.371
120	20.89	36.250	25.477
130	19.88	36.154	25.676
140	19.07	36.055	25.812
150	17.84	35.911	26.010
160	14.74	35.599	26.492
170	13.44	35.360	26.582
180	12.63	35.220	26.638
190	12.34	35.180	26.664
200	11.99	35.133	26.695
250	11.25	35.037	26.760
300	10.53	34.958	26.827
350	10.21	34.921	26.854
400	9.79	34.877	26.892
450	9.34	34.850	26.946
500	9.23	34.930	27.027
550	7.99	34.789	27.110
600	7.52	34.736	27.137
650	6.52	34.644	27.204
700	5.83	34.586	27.256
750	5.16	34.529	27.283
800	5.07	34.539	27.301
850	4.88	34.545	27.328
900	4.83	34.579	27.349
950	4.71	34.596	27.389
1000	4.64	34.608	27.406
1500	4.51	34.999	27.730
1568	4.36	35.002	27.749

BAL-STACS35-90 CTD 6 BALDRIGE
Date 02 03 90 Latitude 7.797N
Time 1813 Z Longitude 52.657W



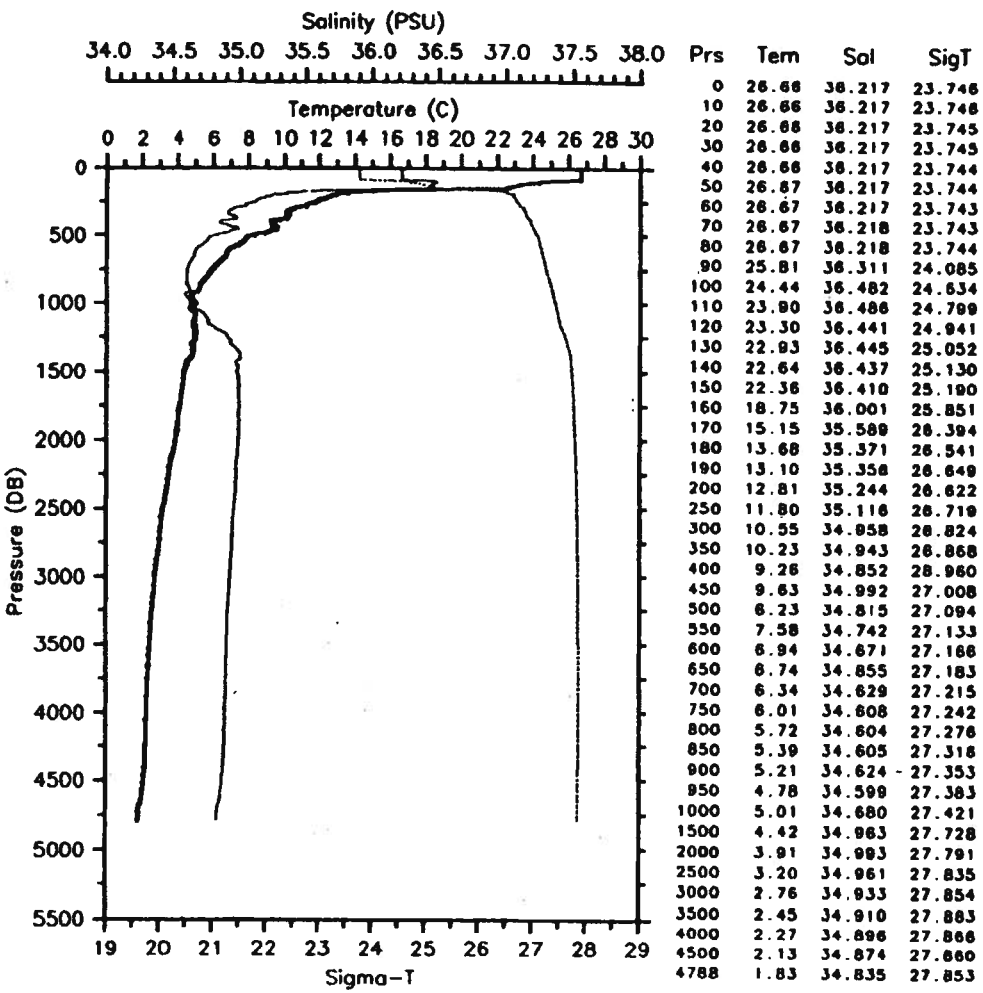
Prs	Tem	Sal	SigT
0	27.08	36.250	23.635
10	27.08	36.272	23.660
20	27.05	36.273	23.662
30	27.05	36.273	23.663
40	27.03	36.273	23.670
50	27.02	36.273	23.671
60	27.02	36.273	23.672
70	26.98	36.276	23.693
80	25.01	36.416	24.410
90	23.24	36.434	24.952
100	22.10	36.380	25.240
110	20.89	36.262	25.487
120	19.69	36.137	25.713
130	18.88	36.033	25.843
140	16.38	35.768	26.252
150	14.23	35.444	26.481
160	12.78	35.256	26.640
170	12.34	35.179	26.664
180	12.05	35.141	26.690
190	11.88	35.113	26.701
200	11.66	35.093	26.727
250	10.83	35.001	26.809
300	10.58	34.981	26.825
350	10.25	34.928	26.851
400	9.80	34.866	26.916
450	9.23	34.837	26.954
500	9.34	34.927	27.006
550	8.24	34.819	27.087
600	7.33	34.715	27.148
616	7.07	34.689	27.164

BAL-STACS35-90 CTD 7 BALDRIGE
Date 02 04 90 Latitude 8.122N
Time 0012 Z Longitude 52.472W



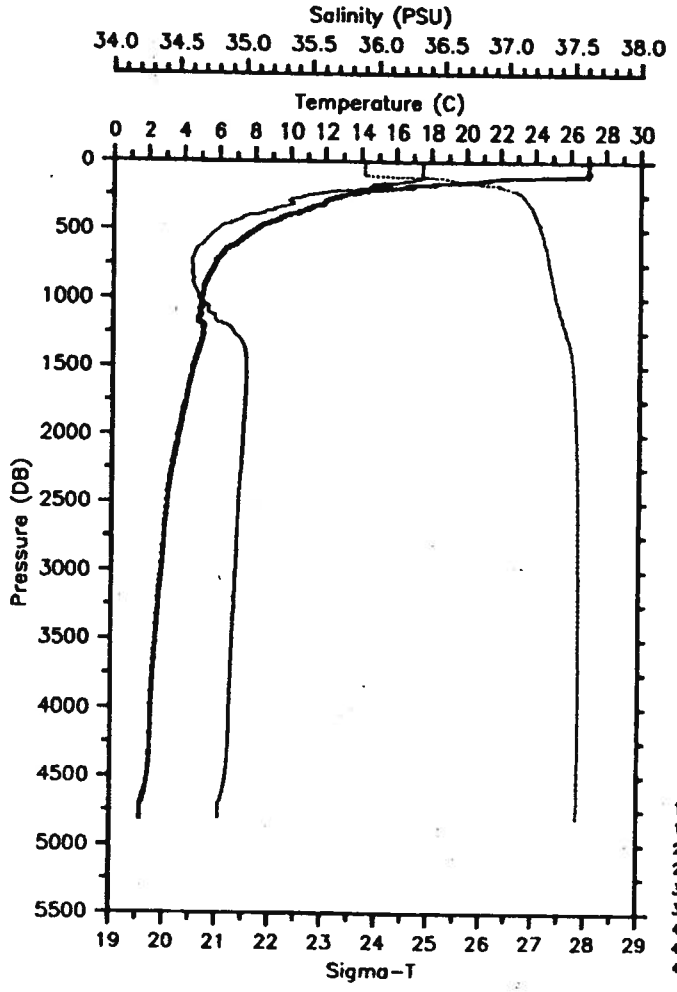
Prs	Tem	Sal	SigT
0	26.85	36.227	23.692
10	26.87	36.217	23.677
20	26.87	36.216	23.677
30	26.88	36.216	23.675
40	26.88	36.217	23.675
50	26.88	36.217	23.676
60	26.86	36.218	23.681
70	26.86	36.220	23.684
80	25.61	36.357	24.181
90	24.78	36.473	24.524
100	24.28	36.492	24.689
110	23.53	36.479	24.902
120	22.90	36.421	25.042
130	22.49	36.393	25.136
140	21.39	36.288	25.370
150	18.72	35.993	25.853
160	14.43	35.491	26.478
170	13.90	35.381	26.504
180	13.71	35.345	26.515
190	13.47	35.318	26.546
200	12.88	35.258	26.617
250	11.18	35.029	26.766
300	10.73	34.979	26.809
350	9.90	34.886	26.880
400	9.80	34.877	26.891
450	9.30	34.892	26.986
500	8.94	34.900	27.050
550	7.94	34.780	27.111
600	7.17	34.702	27.160
650	6.20	34.581	27.198
700	5.77	34.571	27.242
750	5.48	34.570	27.280
800	4.95	34.527	27.305
850	4.82	34.535	27.327
900	4.81	34.562	27.350
950	4.81	34.597	27.377
1000	4.69	34.627	27.415
1500	4.42	34.989	27.732
2000	3.84	34.992	27.797
2500	2.99	34.950	27.846
2965	2.75	34.935	27.855

BAL-STACS35-90 CTD 8 BALDRIGE
Date 02 04 90 Latitude 8.530N
Time 1333 Z Longitude 52.112W



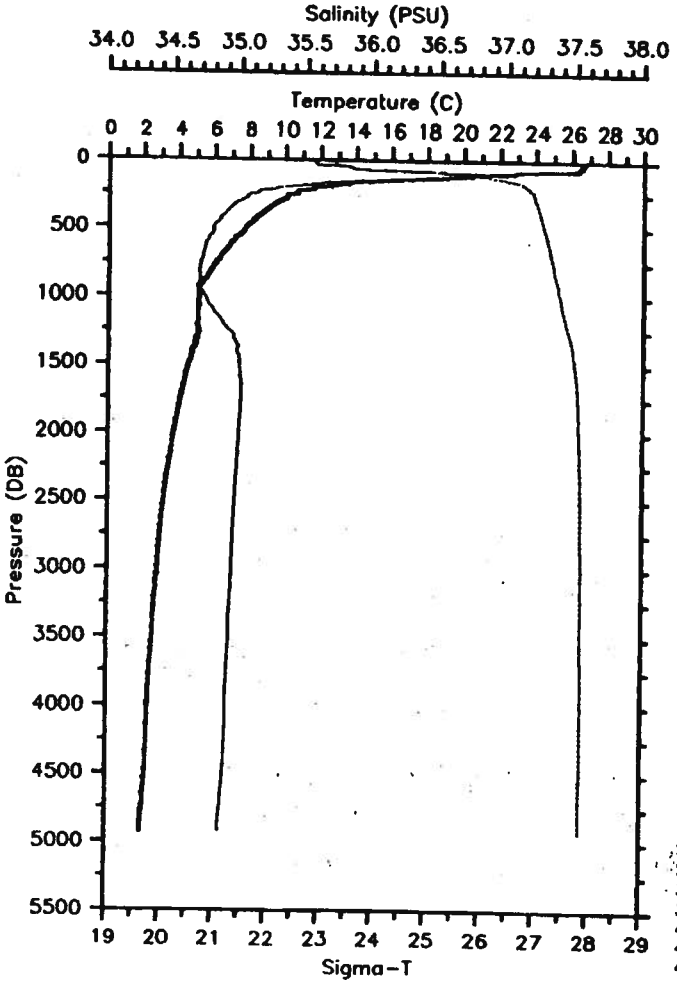
Prs	Tem	Sal	SigT
0	26.66	36.217	23.746
10	26.66	36.217	23.748
20	26.66	36.217	23.745
30	26.66	36.217	23.745
40	26.66	36.217	23.744
50	26.67	36.217	23.744
60	26.67	36.217	23.743
70	26.67	36.218	23.743
80	26.67	36.218	23.744
90	25.81	36.311	24.085
100	24.44	36.482	24.634
110	23.90	36.486	24.799
120	23.30	36.441	24.941
130	22.93	36.445	25.052
140	22.64	36.437	25.130
150	22.36	36.410	25.190
160	18.75	36.001	25.851
170	15.15	35.589	26.394
180	13.68	35.371	26.541
190	13.10	35.358	26.649
200	12.81	35.244	26.622
250	11.80	35.116	26.719
300	10.55	34.958	26.824
350	10.23	34.943	26.868
400	9.26	34.852	26.960
450	9.63	34.992	27.008
500	8.23	34.815	27.094
550	7.58	34.742	27.133
600	6.94	34.671	27.186
650	6.74	34.855	27.183
700	6.34	34.629	27.215
750	6.01	34.608	27.242
800	5.72	34.604	27.276
850	5.39	34.605	27.318
900	5.21	34.624	27.353
950	4.78	34.599	27.383
1000	5.01	34.680	27.421
1500	4.42	34.983	27.728
2000	3.91	34.993	27.791
2500	3.20	34.961	27.835
3000	2.76	34.933	27.854
3500	2.45	34.910	27.883
4000	2.27	34.896	27.866
4500	2.13	34.874	27.860
4788	1.83	34.835	27.853

BAL-STACS35-90 CTD 9 BALDRIGE
Date 02 05 90 Latitude 9.032N
Time 0521 Z Longitude 51.902W



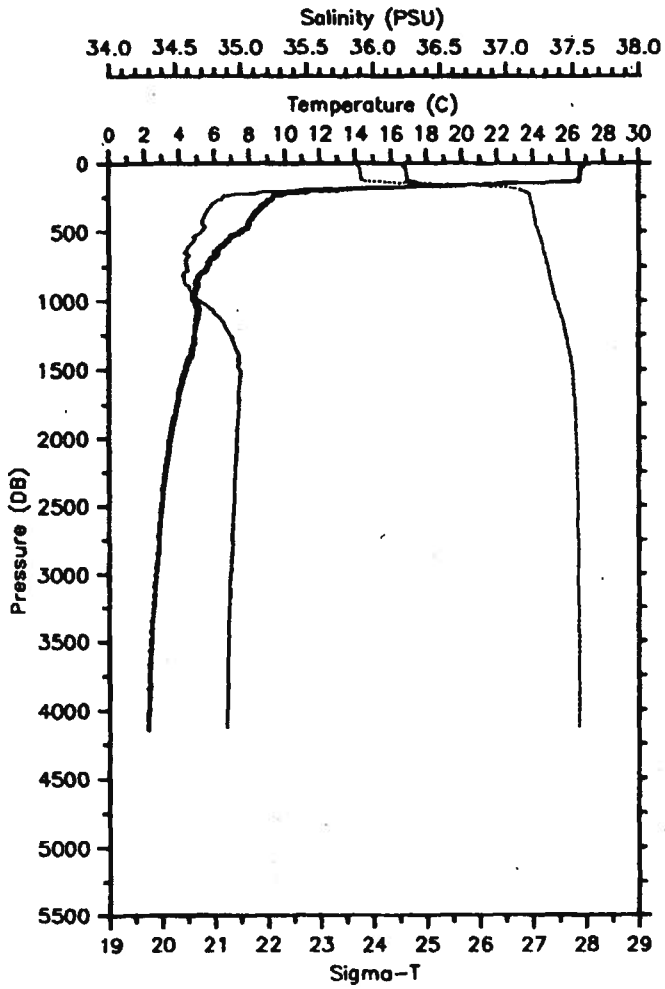
Prs	Tem	Sal	SigT
0	26.88	36.605	24.040
10	27.00	36.341	23.731
20	27.00	36.338	23.728
30	27.00	36.336	23.726
40	27.00	36.336	23.725
50	27.01	36.336	23.723
60	27.01	36.336	23.722
70	27.02	36.336	23.721
80	27.02	36.336	23.721
90	27.02	36.336	23.720
100	27.00	36.335	23.728
110	25.00	36.341	24.356
120	22.19	36.336	25.181
130	21.37	36.294	25.379
140	20.85	36.256	25.492
150	20.04	36.189	25.645
160	18.74	36.041	25.884
170	17.99	36.008	26.047
180	16.65	35.928	26.312
190	16.70	36.041	26.385
200	15.75	35.882	26.484
250	13.05	35.484	26.743
300	11.98	35.341	26.862
350	11.05	35.219	26.937
400	9.69	34.991	26.998
450	8.83	34.886	27.056
500	8.10	34.791	27.095
550	7.53	34.734	27.135
600	7.03	34.686	27.167
650	6.36	34.628	27.212
700	6.08	34.605	27.233
750	5.79	34.595	27.260
800	5.61	34.600	27.285
850	5.39	34.608	27.319
900	5.23	34.611	27.339
950	5.14	34.633	27.369
1000	4.99	34.645	27.395
1500	4.61	35.013	27.730
2000	3.79	34.989	27.800
2500	3.15	34.957	27.837
3000	2.83	34.936	27.850
3500	2.53	34.915	27.860
4000	2.30	34.898	27.866
4500	2.14	34.874	27.860
4812	1.70	34.818	27.850

BAL-STACS35-90 CTD 10 BALDRIGE
Date 02 05 90 Latitude 9.990N
Time 2118 Z Longitude 51.278W



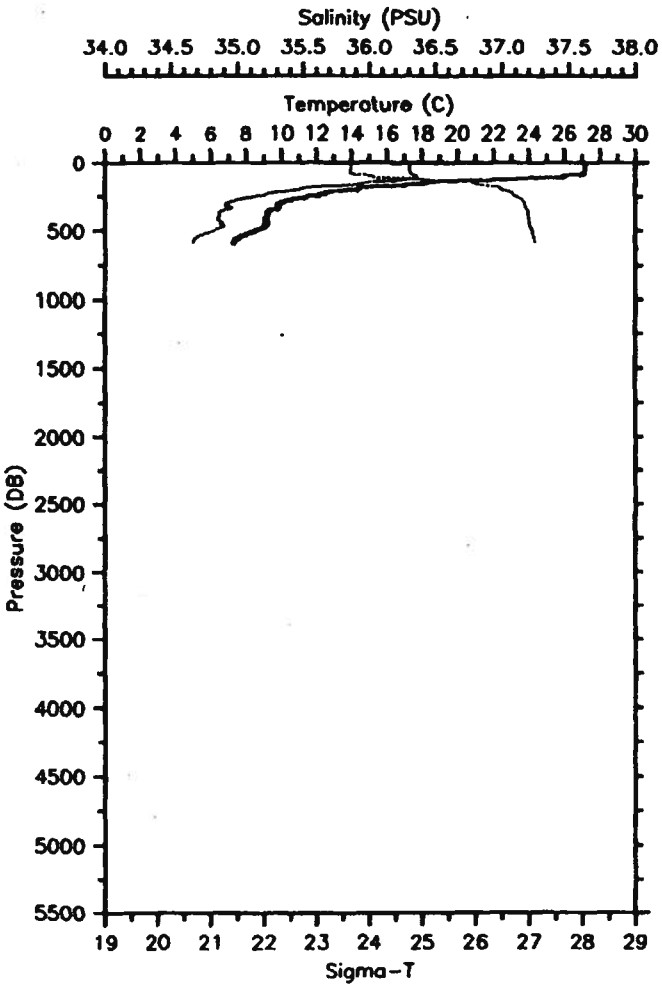
Prs	Tem	Sal	SigT
0	26.67	35.513	23.210
10	26.67	35.540	23.233
20	26.59	35.558	23.271
30	26.58	35.565	23.278
40	26.41	35.701	23.435
50	26.38	35.817	23.533
60	26.31	35.858	23.584
70	25.52	36.001	23.940
80	23.18	36.452	24.983
90	22.75	36.783	25.347
100	21.12	36.766	25.807
110	20.36	36.639	25.918
120	19.26	36.537	26.131
130	18.16	36.406	26.312
140	16.75	36.152	26.459
150	15.57	35.951	26.579
160	14.33	35.756	26.702
170	13.60	35.619	26.751
180	13.29	35.571	26.778
190	12.63	35.451	26.817
200	12.14	35.369	26.850
250	10.55	35.116	26.948
300	9.79	35.007	26.993
350	9.12	34.928	27.041
400	8.64	34.874	27.077
450	8.19	34.829	27.111
500	7.75	34.788	27.144
550	7.46	34.779	27.179
600	7.05	34.743	27.210
650	6.72	34.725	27.240
700	6.38	34.707	27.274
750	6.09	34.687	27.295
800	5.86	34.685	27.322
850	5.64	34.686	27.350
900	5.33	34.685	27.387
950	5.11	34.673	27.404
1000	5.12	34.722	27.441
1500	4.55	34.987	27.717
2000	3.71	34.987	27.808
2500	3.15	34.958	27.838
3000	2.83	34.938	27.852
3500	2.56	34.918	27.860
4000	2.33	34.901	27.865
4500	2.20	34.885	27.863
4922	1.98	34.850	27.854

BAL-STACS35-90 CTD 11 BALDRIGE
Date 02 06 90 Latitude 7.088N
Time 2147 Z Longitude 50.315W



Prs	Tem	Sal	SigT
0	28.93	36.213	23.657
10	28.89	36.221	23.675
20	28.75	36.225	23.723
30	28.73	36.236	23.738
40	28.72	36.244	23.745
50	28.72	36.245	23.749
60	28.70	36.247	23.755
70	28.68	36.248	23.761
80	28.67	36.249	23.766
90	28.67	36.250	23.769
100	28.66	36.252	23.771
110	28.66	36.255	23.774
120	28.65	36.258	23.779
130	28.50	36.273	23.838
140	24.94	36.334	24.370
150	22.42	36.290	25.082
160	20.33	36.318	25.681
170	18.37	36.360	26.223
180	16.01	36.062	26.563
190	13.64	35.812	26.736
200	12.60	35.395	26.779
250	9.36	34.688	26.956
300	8.84	34.789	26.979
350	8.42	34.744	27.009
400	8.13	34.719	27.034
450	7.98	34.716	27.055
500	7.52	34.704	27.112
550	6.91	34.649	27.154
600	6.45	34.619	27.193
650	6.02	34.579	27.218
700	5.80	34.587	27.252
750	5.59	34.589	27.279
800	5.21	34.568	27.309
850	5.01	34.575	27.337
900	5.03	34.616	27.367
950	4.89	34.638	27.401
1000	4.86	34.686	27.443
1500	4.37	34.996	27.743
2000	3.49	34.976	27.819
2500	3.00	34.951	27.846
3000	2.66	34.927	27.857
3500	2.36	34.907	27.867
4000	2.23	34.893	27.867
4133	2.21	34.891	27.867

BAL-STACS35-90 CTD 16 BALDRIGE
Date 02 09 90 Latitude 3.942N
Time 0424 Z Longitude 48.712W

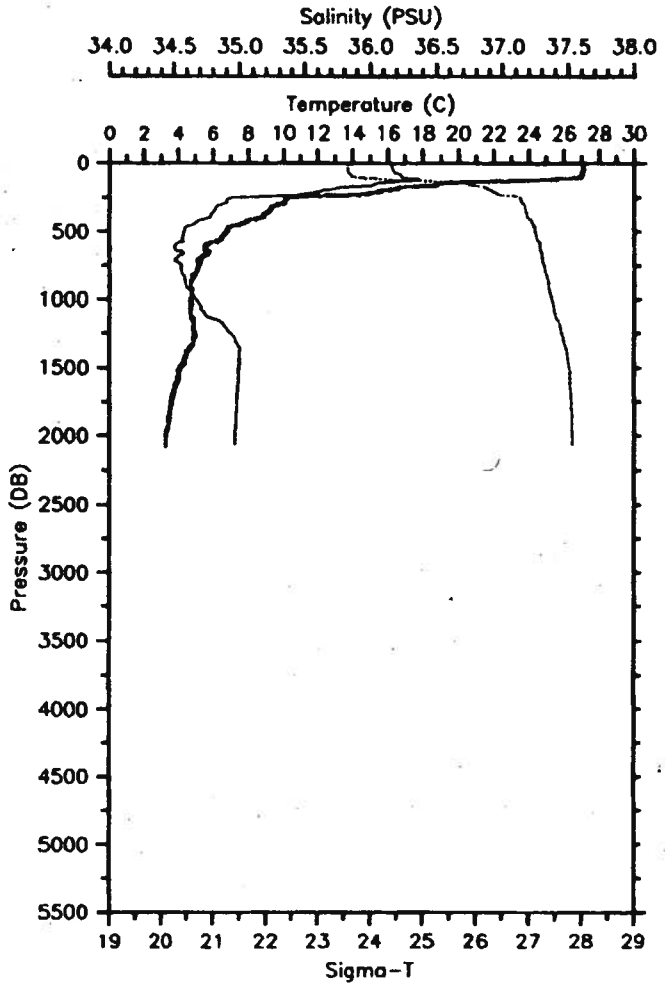


Prs	Tem	Sal	SigT
0	27.18	36.299	23.647
10	27.16	36.304	23.651
20	27.18	36.304	23.650
30	27.17	36.306	23.647
40	27.18	36.306	23.647
50	27.18	36.306	23.646
60	27.18	36.307	23.648
70	27.17	36.310	23.653
80	27.08	36.317	23.685
90	26.14	36.349	24.010
100	25.94	36.358	24.078
110	25.03	36.343	24.350
120	23.10	36.303	24.895
130	20.86	36.228	25.470
140	18.49	36.014	25.929
150	18.13	35.981	25.978
160	17.48	35.893	26.090
170	16.29	35.784	26.285
180	14.91	35.560	26.425
190	14.43	35.482	26.469
200	14.04	35.445	26.523
250	11.50	35.121	26.778
300	9.83	34.917	26.916
350	9.33	34.865	26.975
400	9.13	34.861	26.989
450	9.05	34.871	27.007
500	8.49	34.820	27.059
550	7.83	34.699	27.093
590	7.30	34.689	27.116

BAL-STACS35-90 CTD 17 BALDRIGE

Date 02 09 90 Latitude 4.718N

Time 1305 Z Longitude 48.348W

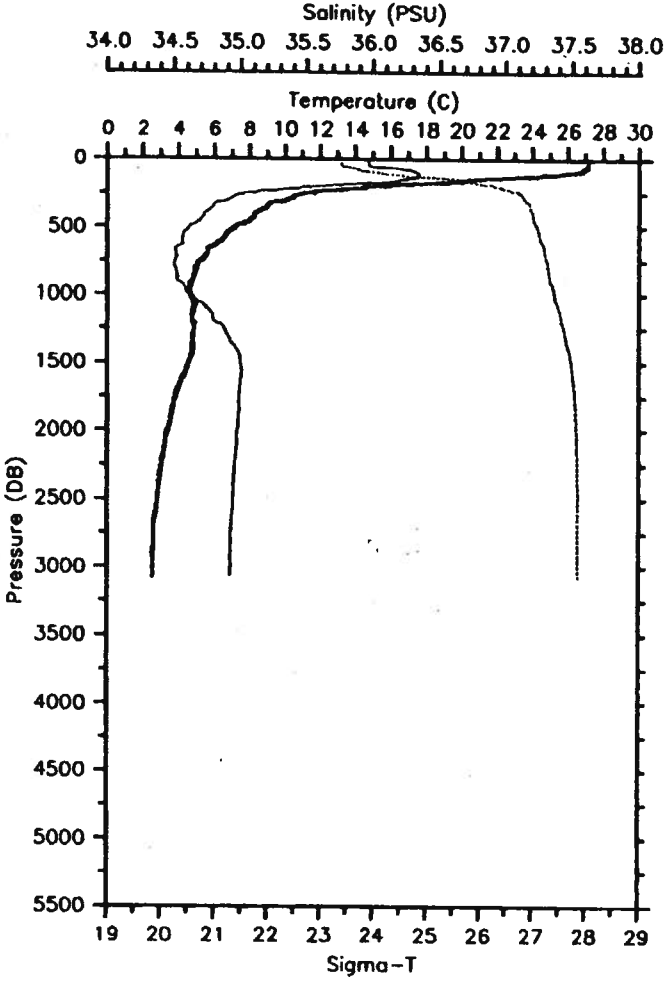


Prs	Tem	Sal	SigT
0	27.10	36.148	23.554
10	27.08	36.159	23.566
20	27.09	36.160	23.566
30	27.09	36.162	23.567
40	27.09	36.165	23.569
50	27.09	36.169	23.572
60	27.09	36.176	23.578
70	27.09	36.189	23.587
80	27.05	36.227	23.628
90	27.00	36.239	23.653
100	26.93	36.238	23.674
110	25.88	36.330	24.078
120	25.03	36.383	24.380
130	22.24	36.294	25.134
140	19.52	36.123	25.747
150	18.81	36.033	25.862
160	18.60	36.017	25.902
170	17.01	35.834	26.153
180	16.57	35.746	26.191
190	16.16	35.703	26.248
200	15.61	35.629	26.320
250	10.42	34.961	26.650
300	9.61	34.860	26.909
350	9.16	34.808	26.942
400	8.52	34.755	27.002
450	7.44	34.650	27.082
500	6.77	34.579	27.119
550	6.51	34.565	27.143
600	5.83	34.509	27.212
650	5.75	34.568	27.243
700	5.28	34.516	27.280
750	5.22	34.556	27.298
800	5.06	34.559	27.319
850	4.87	34.586	27.363
900	4.74	34.593	27.382
950	4.83	34.635	27.405
1000	4.80	34.675	27.441
1500	4.12	34.992	27.768
2000	3.30	34.968	27.831
2071	3.29	34.968	27.833

BAL-STACS35-90 CTD 18 BALDRIGE

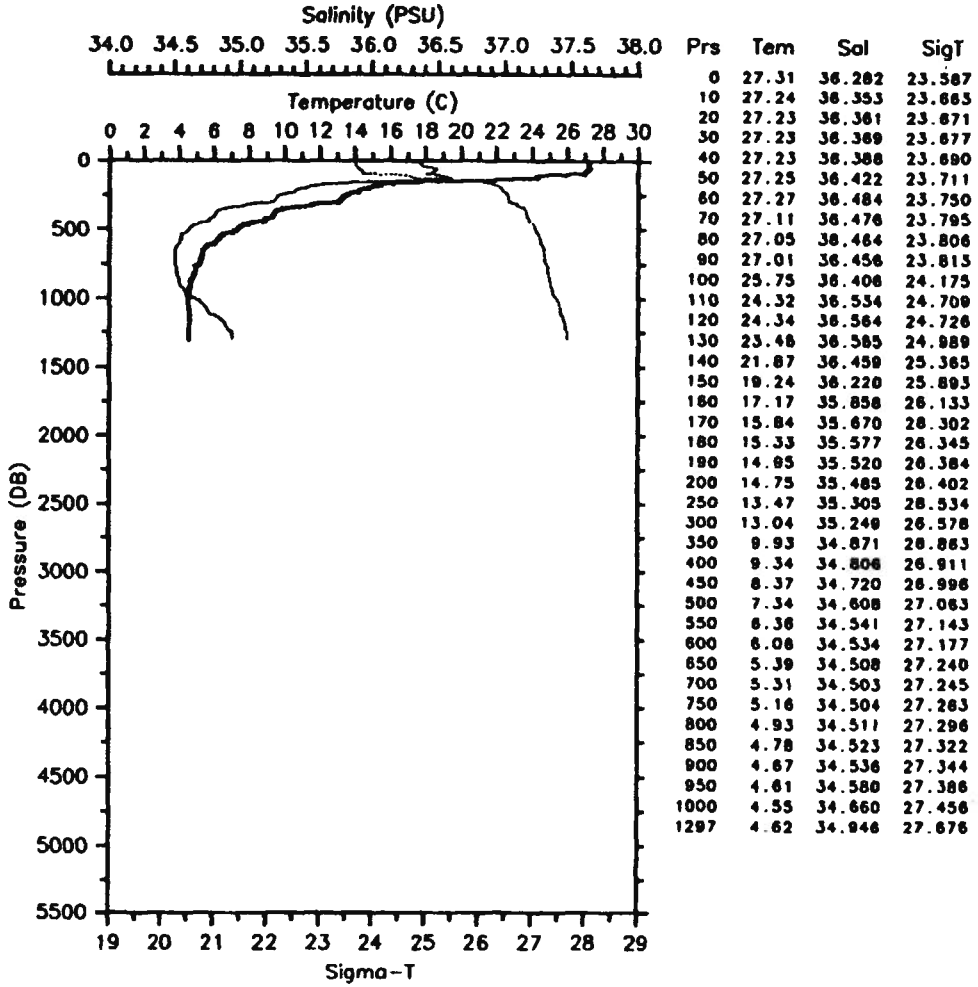
Date 02 10 90 Latitude 4.938N

Time 0146 Z Longitude 47.532W



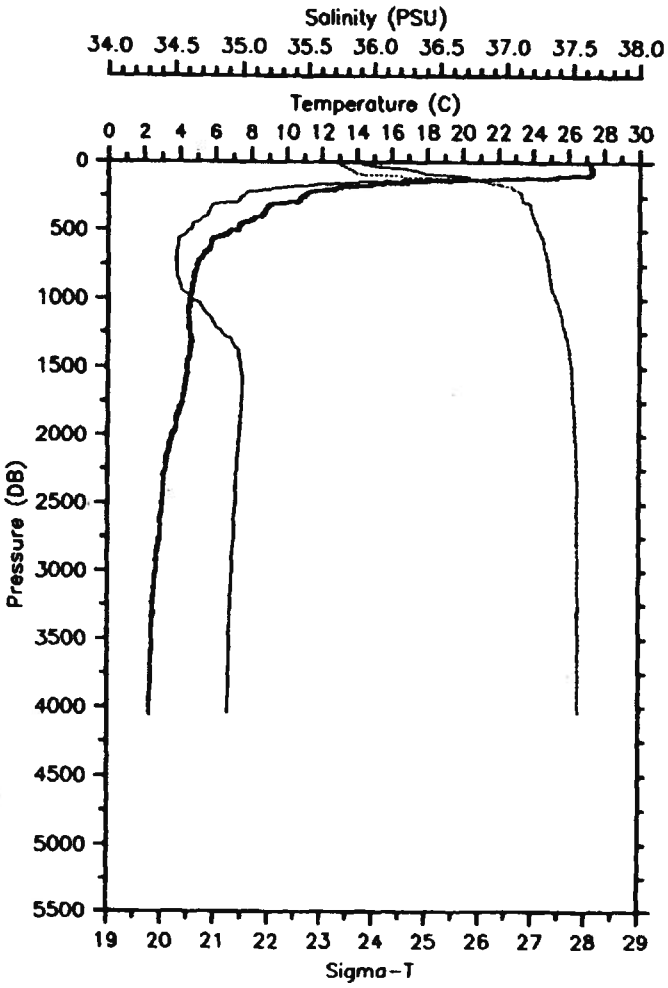
Prs	Tem	Sal	SigT
0	27.15	35.995	23.421
10	27.14	35.965	23.402
20	27.15	35.965	23.400
30	27.15	35.965	23.399
40	27.15	35.968	23.401
50	27.15	35.976	23.409
60	26.97	36.102	23.560
70	26.88	36.227	23.682
80	26.80	36.289	23.754
90	26.37	36.322	23.916
100	25.76	36.342	24.124
110	24.85	36.338	24.400
120	24.23	36.335	24.586
130	22.47	36.334	25.100
140	20.92	36.287	25.497
150	20.19	36.203	25.632
160	19.85	36.164	25.691
170	18.51	36.043	25.945
180	17.28	35.870	26.121
190	16.04	35.691	26.270
200	14.94	35.541	26.404
250	11.18	35.041	26.775
300	10.05	34.902	26.868
350	8.99	34.789	26.955
400	8.30	34.722	27.010
450	8.07	34.697	27.028
500	7.22	34.618	27.087
550	6.70	34.570	27.121
600	6.41	34.581	27.153
650	5.76	34.522	27.205
700	5.59	34.515	27.221
750	5.18	34.509	27.266
800	4.99	34.506	27.285
850	4.92	34.524	27.307
900	4.80	34.525	27.322
950	4.67	34.581	27.381
1000	4.65	34.609	27.405
1500	4.58	34.995	27.720
2000	3.41	34.972	27.825
2500	2.82	34.939	27.853
3000	2.58	34.922	27.861
3071	2.55	34.920	27.862

BAL-STACS35-90 CTD 19 BALDRIGE
Date 02 11 90 Latitude 0.155N
Time 1400 Z Longitude 44.410W



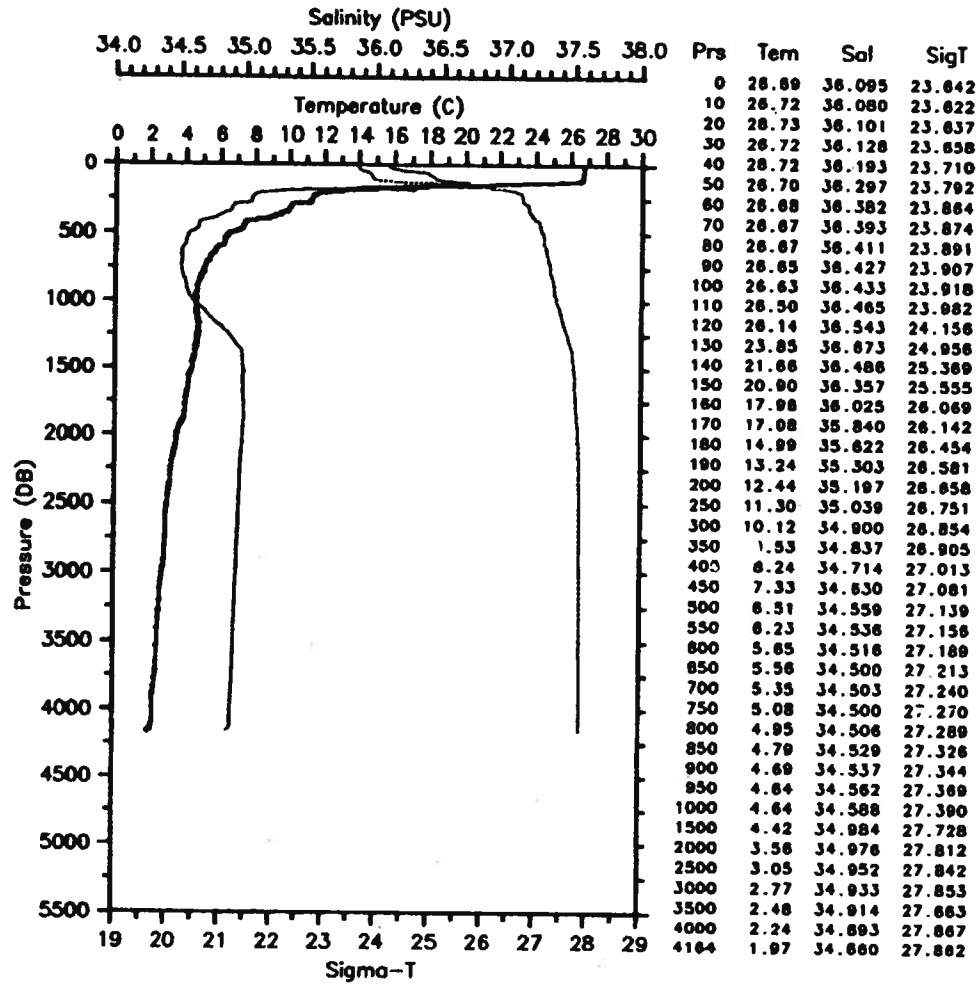
Prs	Tem	Sal	SigT
0	27.31	36.282	23.587
10	27.24	36.353	23.663
20	27.23	36.361	23.671
30	27.23	36.369	23.677
40	27.23	36.388	23.690
50	27.25	36.422	23.711
60	27.27	36.484	23.750
70	27.11	36.476	23.795
80	27.05	36.464	23.806
90	27.01	36.456	23.815
100	25.75	36.408	24.175
110	24.32	36.534	24.709
120	24.34	36.564	24.726
130	23.48	36.585	24.889
140	21.87	36.459	25.365
150	19.24	36.220	25.893
160	17.17	35.858	26.133
170	15.84	35.670	26.302
180	15.33	35.577	26.345
190	14.85	35.520	26.384
200	14.75	35.485	26.402
250	13.47	35.305	26.534
300	13.04	35.249	26.578
350	9.93	34.871	26.863
400	9.34	34.806	26.911
450	8.37	34.720	26.996
500	7.34	34.608	27.063
550	6.36	34.541	27.143
600	6.08	34.534	27.177
650	5.39	34.508	27.240
700	5.31	34.503	27.245
750	5.16	34.504	27.263
800	4.93	34.511	27.296
850	4.78	34.523	27.322
900	4.67	34.536	27.344
950	4.61	34.580	27.386
1000	4.55	34.660	27.456
1297	4.62	34.946	27.676

BAL-STACS35-90 CTD 20 BALDRIGE
Date 02 11 90 Latitude 0.855N
Time 2252 Z Longitude 44.072W



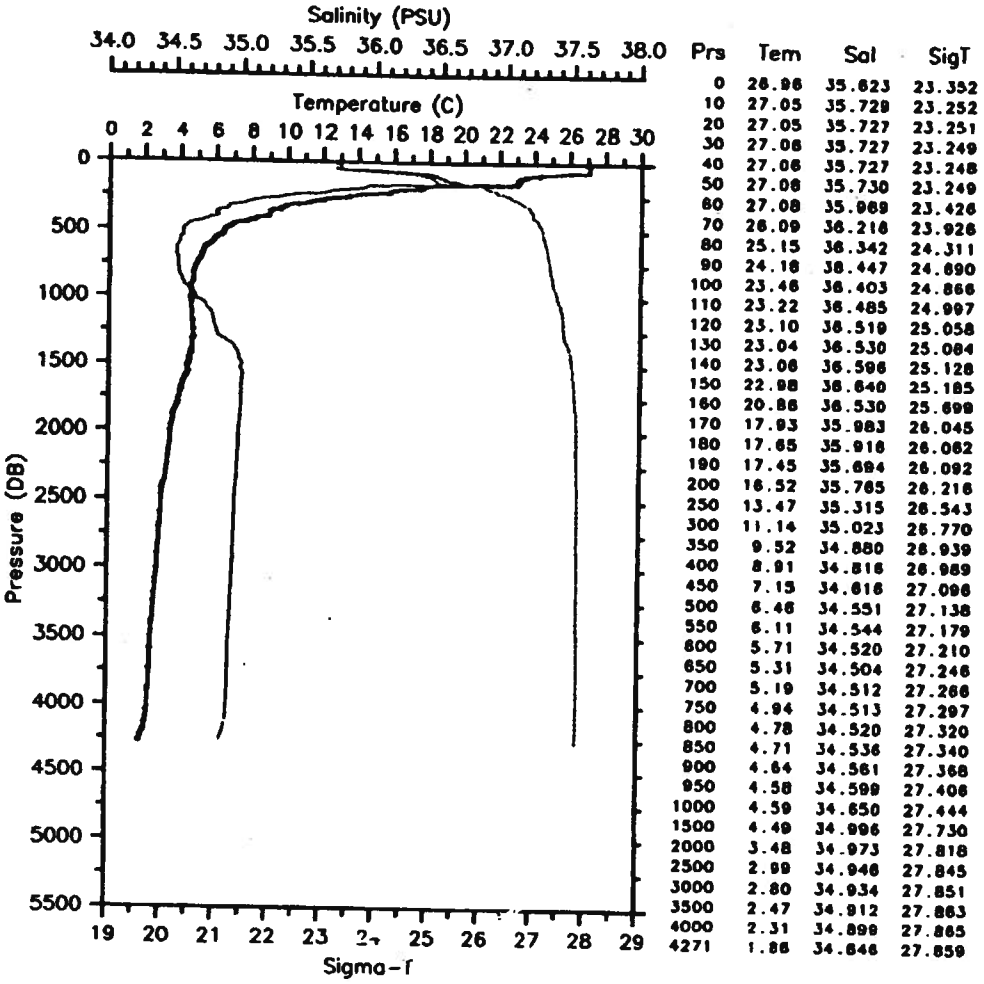
Prs	Tem	Sal	SigT
0	27.19	35.944	23.371
10	27.20	35.905	23.338
20	27.20	35.923	23.351
30	27.21	36.003	23.407
40	27.24	36.082	23.457
50	27.31	36.191	23.517
60	27.35	36.305	23.589
70	27.35	36.344	23.620
80	27.29	36.370	23.658
90	27.10	36.422	23.760
100	25.84	36.595	24.288
110	25.31	36.709	24.540
120	22.75	36.849	25.257
130	20.62	36.388	25.656
140	18.84	36.134	25.932
150	18.04	35.827	26.164
160	15.86	35.706	26.323
170	14.83	35.515	26.407
180	13.59	35.373	26.562
190	12.90	35.250	26.607
200	12.59	35.208	26.636
250	10.99	35.006	26.783
300	9.64	34.876	26.916
350	8.83	34.781	26.959
400	8.53	34.735	26.985
450	7.43	34.636	27.071
500	6.95	34.606	27.116
550	6.16	34.544	27.172
600	5.78	34.522	27.203
650	5.56	34.514	27.223
700	5.25	34.507	27.255
750	5.00	34.508	27.286
800	4.89	34.511	27.300
850	4.81	34.520	27.317
900	4.60	34.545	27.338
950	4.70	34.567	27.366
1000	4.57	34.624	27.428
1500	4.44	34.990	27.731
2000	3.62	34.980	27.810
2500	3.05	34.951	27.842
3000	2.69	34.928	27.855
3500	2.44	34.911	27.864
4000	2.35	34.900	27.864
4040	2.34	34.900	27.864

BAL-STACS35-90 CTD 21 BALDRIGE
Date 02 12 90 Latitude 1.945N
Time 1212 Z Longitude 44.046W



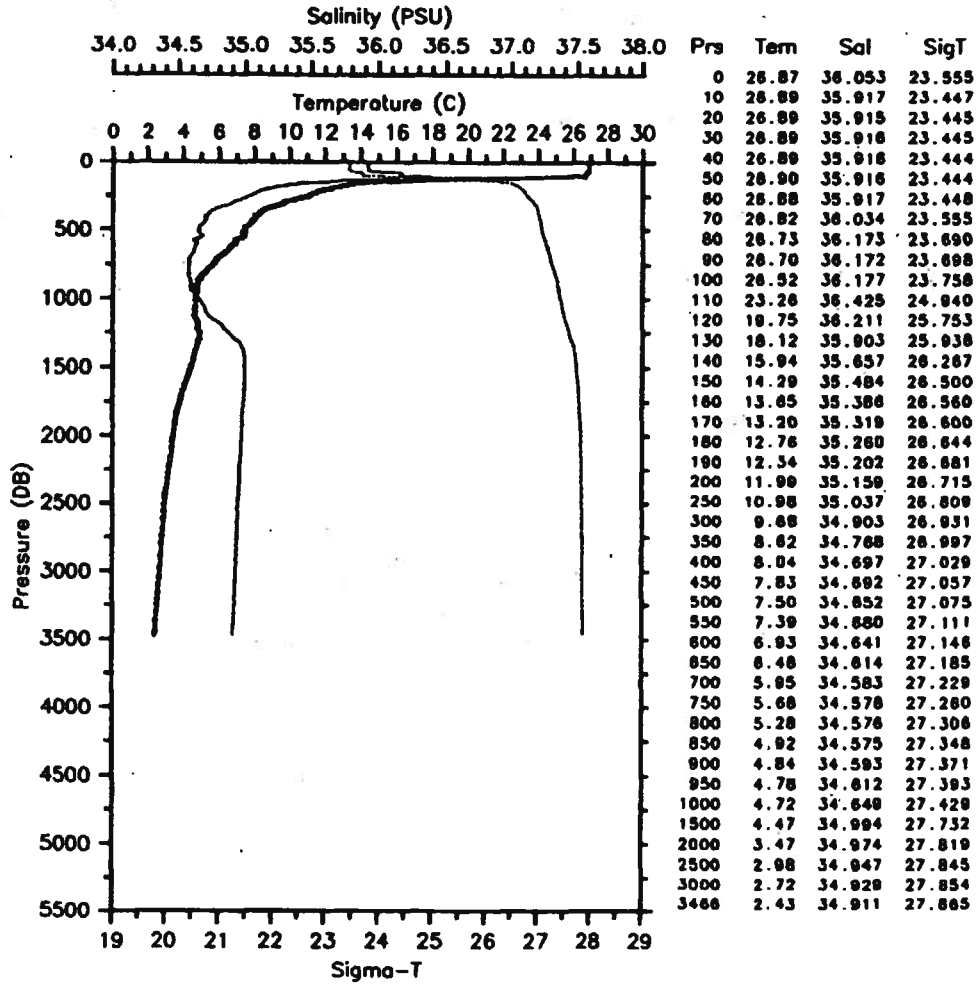
Prs	Tem	Sal	SigT
0	28.89	36.095	23.642
10	28.72	36.080	23.622
20	28.73	36.101	23.637
30	28.72	36.128	23.658
40	28.72	36.193	23.710
50	28.70	36.297	23.792
60	28.68	36.382	23.864
70	28.67	36.393	23.874
80	28.67	36.411	23.891
90	28.65	36.427	23.907
100	28.63	36.433	23.918
110	28.50	36.465	23.982
120	28.14	36.543	24.156
130	23.85	36.873	24.956
140	21.66	36.486	25.369
150	20.90	36.357	25.555
160	17.98	36.025	26.069
170	17.08	35.840	26.142
180	14.99	35.622	26.454
190	13.24	35.303	26.581
200	12.44	35.197	26.658
250	11.30	35.039	26.751
300	10.12	34.900	26.854
350	1.53	34.837	26.905
400	8.24	34.714	27.013
450	7.33	34.630	27.081
500	6.51	34.559	27.139
550	6.23	34.536	27.158
600	5.85	34.516	27.189
650	5.56	34.500	27.213
700	5.35	34.503	27.240
750	5.08	34.500	27.270
800	4.95	34.506	27.289
850	4.79	34.529	27.326
900	4.69	34.537	27.344
950	4.64	34.562	27.369
1000	4.64	34.588	27.390
1500	4.42	34.984	27.728
2000	3.56	34.976	27.812
2500	3.05	34.952	27.842
3000	2.77	34.933	27.853
3500	2.48	34.914	27.863
4000	2.24	34.893	27.867
4164	1.97	34.880	27.882

BAL-STACS35-90 CTD 22 BALDRIGE
Date 02 13 90 Latitude 3.285N
Time 2235 Z Longitude 44.002W



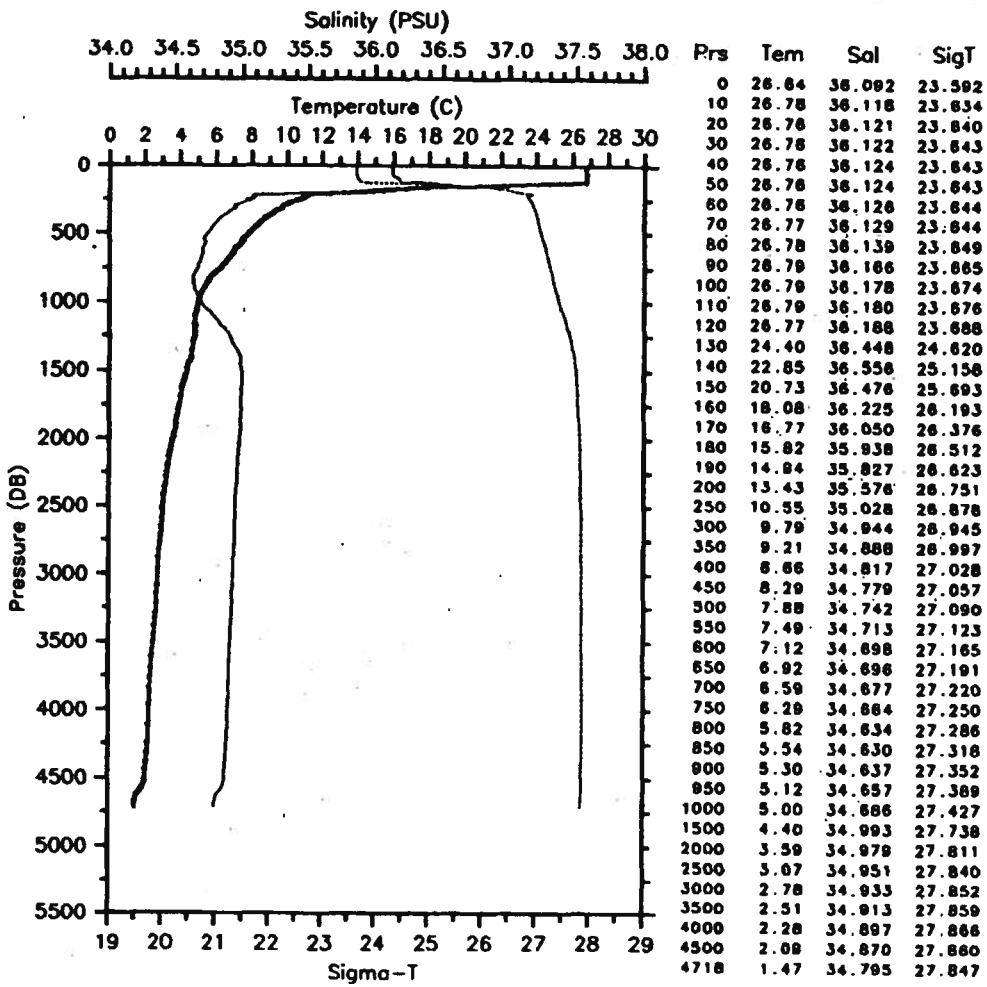
Prs	Tem	Sal	SigT
0	28.96	35.823	23.352
10	27.05	35.729	23.252
20	27.05	35.727	23.251
30	27.06	35.727	23.249
40	27.06	35.727	23.248
50	27.08	35.730	23.249
60	27.08	35.969	23.426
70	26.09	36.218	23.928
80	25.15	36.342	24.311
90	24.18	36.447	24.690
100	23.46	36.403	24.866
110	23.22	36.485	24.997
120	23.10	36.519	25.058
130	23.04	36.530	25.084
140	23.06	36.596	25.128
150	22.98	36.640	25.185
160	20.86	36.530	25.699
170	17.83	35.983	26.045
180	17.65	35.916	26.062
190	17.45	35.884	26.092
200	16.52	35.765	26.216
250	13.47	35.315	26.543
300	11.14	35.023	26.770
350	9.52	34.880	26.939
400	8.91	34.816	26.989
450	7.15	34.616	27.096
500	6.46	34.551	27.138
550	6.11	34.544	27.179
600	5.71	34.520	27.210
650	5.31	34.504	27.246
700	5.19	34.512	27.266
750	4.94	34.513	27.297
800	4.78	34.520	27.320
850	4.71	34.536	27.340
900	4.64	34.561	27.368
950	4.58	34.599	27.406
1000	4.59	34.650	27.444
1500	4.49	34.996	27.730
2000	3.48	34.973	27.818
2500	2.99	34.946	27.845
3000	2.80	34.934	27.851
3500	2.47	34.912	27.863
4000	2.31	34.899	27.865
4271	1.86	34.846	27.859

BAL-STACS35-90 CTD 23 BALDRIGE
Date 02 13 90 Latitude 5.248N
Time 2318 Z Longitude 44.002W



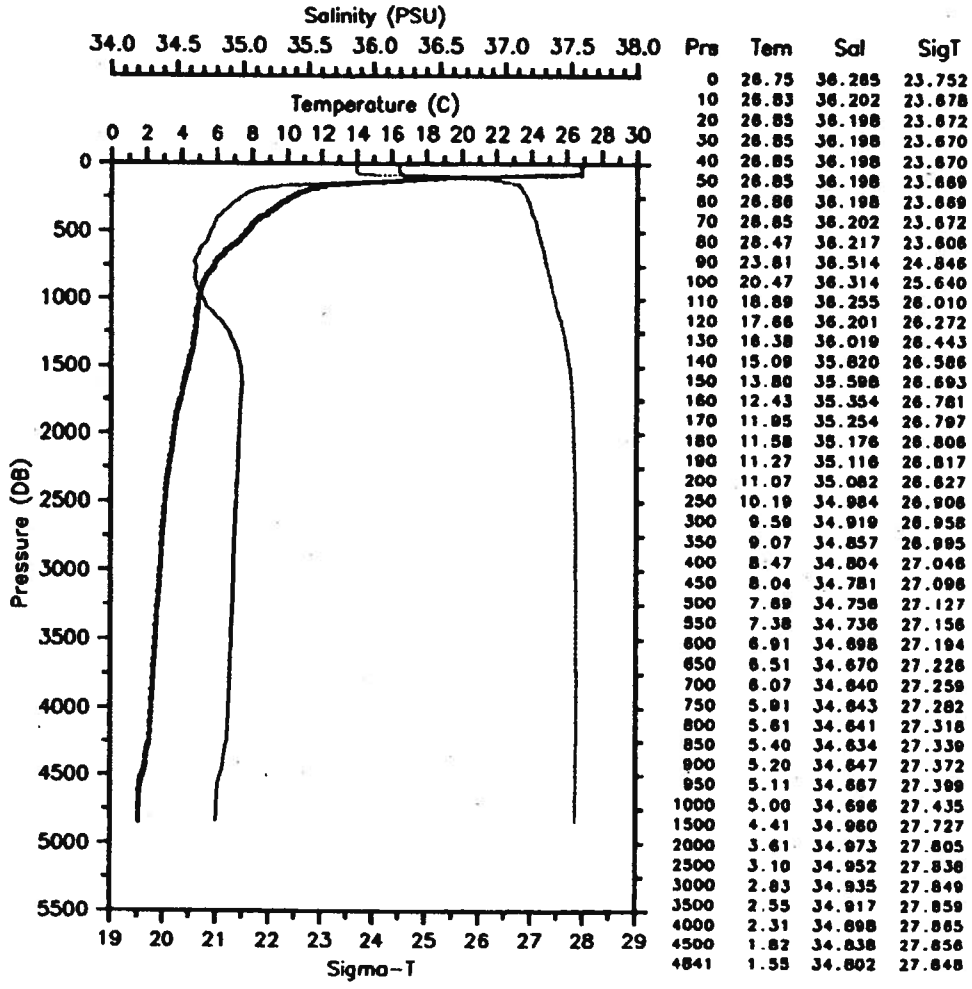
Prs	Tem	Sal	SigT
0	26.87	36.053	23.555
10	26.89	35.917	23.447
20	26.89	35.915	23.445
30	26.89	35.916	23.445
40	26.89	35.916	23.444
50	26.90	35.916	23.444
60	26.88	35.917	23.448
70	26.82	36.034	23.555
80	26.73	36.173	23.690
90	26.70	36.172	23.698
100	26.52	36.177	23.758
110	23.26	36.425	24.840
120	18.75	36.211	25.753
130	18.12	35.903	25.938
140	15.94	35.657	26.287
150	14.29	35.484	26.500
160	13.65	35.386	26.560
170	13.20	35.319	26.600
180	12.76	35.260	26.644
190	12.34	35.202	26.681
200	11.99	35.159	26.715
250	10.98	35.037	26.809
300	9.88	34.903	26.931
350	8.82	34.768	26.997
400	8.04	34.697	27.029
450	7.83	34.692	27.057
500	7.50	34.652	27.075
550	7.39	34.660	27.111
600	6.93	34.641	27.146
650	6.48	34.614	27.185
700	5.95	34.583	27.229
750	5.68	34.578	27.260
800	5.28	34.576	27.306
850	4.92	34.575	27.348
900	4.84	34.583	27.371
950	4.78	34.612	27.393
1000	4.72	34.648	27.428
1500	4.47	34.994	27.732
2000	3.47	34.974	27.819
2500	2.98	34.947	27.845
3000	2.72	34.928	27.854
3466	2.43	34.911	27.865

BAL-STACS35-90 CTD 24 BALDRIGE
Date 02 14 90 Latitude 6.675N
Time 1457 Z Longitude 44.022W



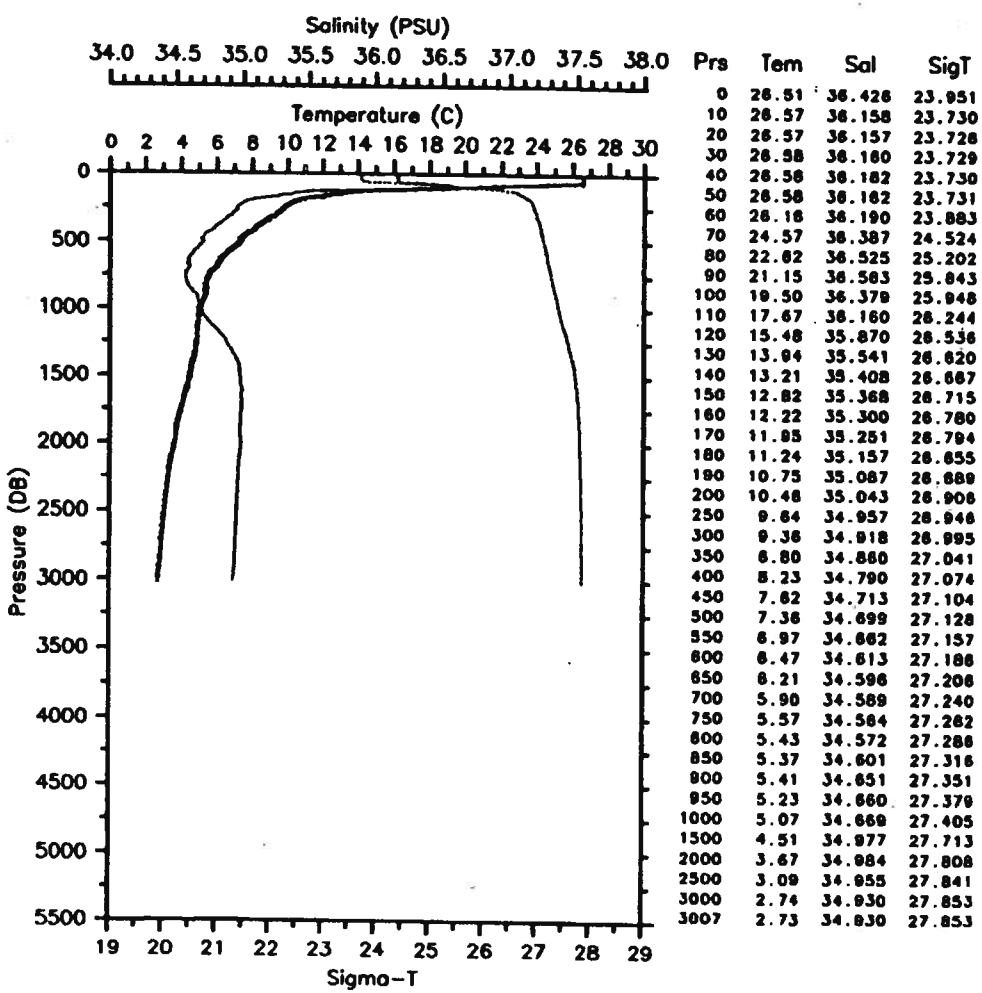
Prs	Tem	Sal	SigT
0	26.84	36.092	23.592
10	26.78	36.116	23.634
20	26.78	36.121	23.640
30	26.78	36.122	23.643
40	26.78	36.124	23.643
50	26.78	36.124	23.643
60	26.78	36.126	23.644
70	26.77	36.129	23.644
80	26.78	36.139	23.649
90	26.79	36.166	23.665
100	26.79	36.178	23.674
110	26.79	36.180	23.676
120	26.77	36.186	23.688
130	24.40	36.448	24.620
140	22.85	36.556	25.158
150	20.73	36.476	25.693
160	18.08	36.225	26.193
170	16.77	36.050	26.376
180	15.82	35.938	26.512
190	14.84	35.827	26.623
200	13.43	35.576	26.751
250	10.55	35.028	26.878
300	9.79	34.944	26.945
350	9.21	34.888	26.997
400	8.66	34.817	27.028
450	8.29	34.779	27.057
500	7.88	34.742	27.090
550	7.49	34.713	27.123
600	7.12	34.698	27.165
650	6.92	34.696	27.191
700	6.59	34.677	27.220
750	6.28	34.664	27.250
800	5.82	34.634	27.286
850	5.54	34.630	27.318
900	5.30	34.637	27.352
950	5.12	34.657	27.389
1000	5.00	34.686	27.427
1500	4.40	34.993	27.738
2000	3.59	34.978	27.811
2500	3.07	34.951	27.840
3000	2.78	34.933	27.852
3500	2.51	34.913	27.859
4000	2.28	34.897	27.866
4500	2.08	34.870	27.880
4718	1.47	34.795	27.847

BAL-STACS35-90 CTD 25 BALDRIGE
Date 02 15 90 Latitude 8.283N
Time 0904 Z Longitude 43.940W



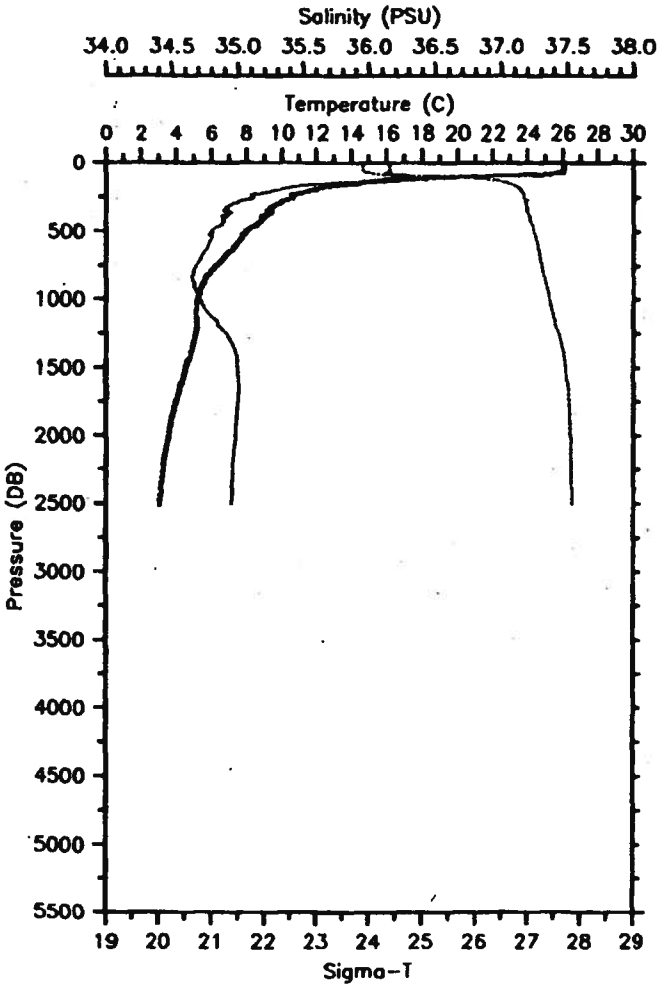
Prs	Tem	Sal	SigT
0	26.75	36.285	23.752
10	26.83	36.202	23.678
20	26.85	36.198	23.672
30	26.85	36.198	23.670
40	26.85	36.198	23.670
50	26.85	36.198	23.669
60	26.86	36.198	23.669
70	26.85	36.202	23.672
80	26.47	36.217	23.808
90	23.81	36.514	24.846
100	20.47	36.314	25.640
110	18.89	36.255	26.010
120	17.66	36.201	26.272
130	16.38	36.019	26.443
140	15.09	35.820	26.586
150	13.80	35.598	26.693
160	12.43	35.354	26.781
170	11.85	35.254	26.797
180	11.58	35.176	26.806
190	11.27	35.116	26.817
200	11.07	35.082	26.827
250	10.19	34.984	26.906
300	9.59	34.919	26.958
350	9.07	34.857	26.995
400	8.47	34.804	27.048
450	8.04	34.781	27.098
500	7.69	34.756	27.127
550	7.38	34.736	27.156
600	6.91	34.698	27.194
650	6.51	34.670	27.226
700	6.07	34.640	27.259
750	5.91	34.643	27.282
800	5.61	34.641	27.318
850	5.40	34.634	27.339
900	5.20	34.647	27.372
950	5.11	34.667	27.389
1000	5.00	34.696	27.435
1500	4.41	34.960	27.727
2000	3.61	34.973	27.805
2500	3.10	34.952	27.838
3000	2.83	34.935	27.849
3500	2.55	34.917	27.859
4000	2.31	34.898	27.865
4500	1.82	34.838	27.856
4841	1.55	34.802	27.848

BAL-STACS35-90 CTD 26 BALDRIGE
Date 02 16 90 Latitude 8.372N
Time 0500 Z Longitude 46.338W



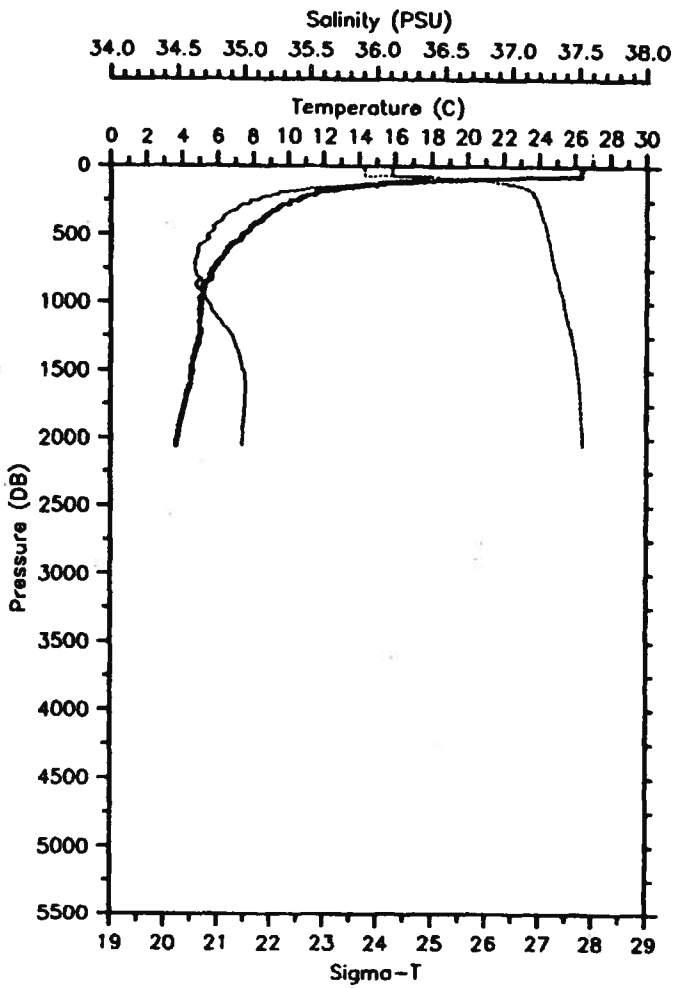
Prs	Tem	Sal	SigT
0	26.51	36.426	23.951
10	26.57	36.158	23.730
20	26.57	36.157	23.728
30	26.58	36.160	23.729
40	26.58	36.162	23.730
50	26.58	36.162	23.731
60	26.16	36.190	23.883
70	24.57	36.387	24.524
80	22.62	36.525	25.202
90	21.15	36.583	25.843
100	19.50	36.378	25.948
110	17.67	36.160	26.244
120	15.48	35.870	26.536
130	13.84	35.541	26.620
140	13.21	35.408	26.687
150	12.82	35.368	26.715
160	12.22	35.300	26.780
170	11.85	35.251	26.794
180	11.24	35.157	26.855
190	10.75	35.087	26.889
200	10.48	35.043	26.908
250	9.64	34.957	26.948
300	9.36	34.918	26.995
350	8.80	34.860	27.041
400	8.23	34.790	27.074
450	7.62	34.713	27.104
500	7.36	34.699	27.128
550	6.97	34.662	27.157
600	6.47	34.613	27.188
650	6.21	34.596	27.208
700	5.98	34.589	27.240
750	5.57	34.584	27.282
800	5.43	34.572	27.288
850	5.37	34.601	27.316
900	5.41	34.651	27.351
950	5.23	34.660	27.379
1000	5.07	34.669	27.405
1500	4.51	34.977	27.713
2000	3.67	34.984	27.808
2500	3.09	34.955	27.841
3000	2.74	34.930	27.853
3007	2.73	34.930	27.853

BAL-STACS35-90 CTD 27 BALDRIGE
Date 02 17 90 Latitude 10.003N
Time 0055 Z Longitude 49.012W



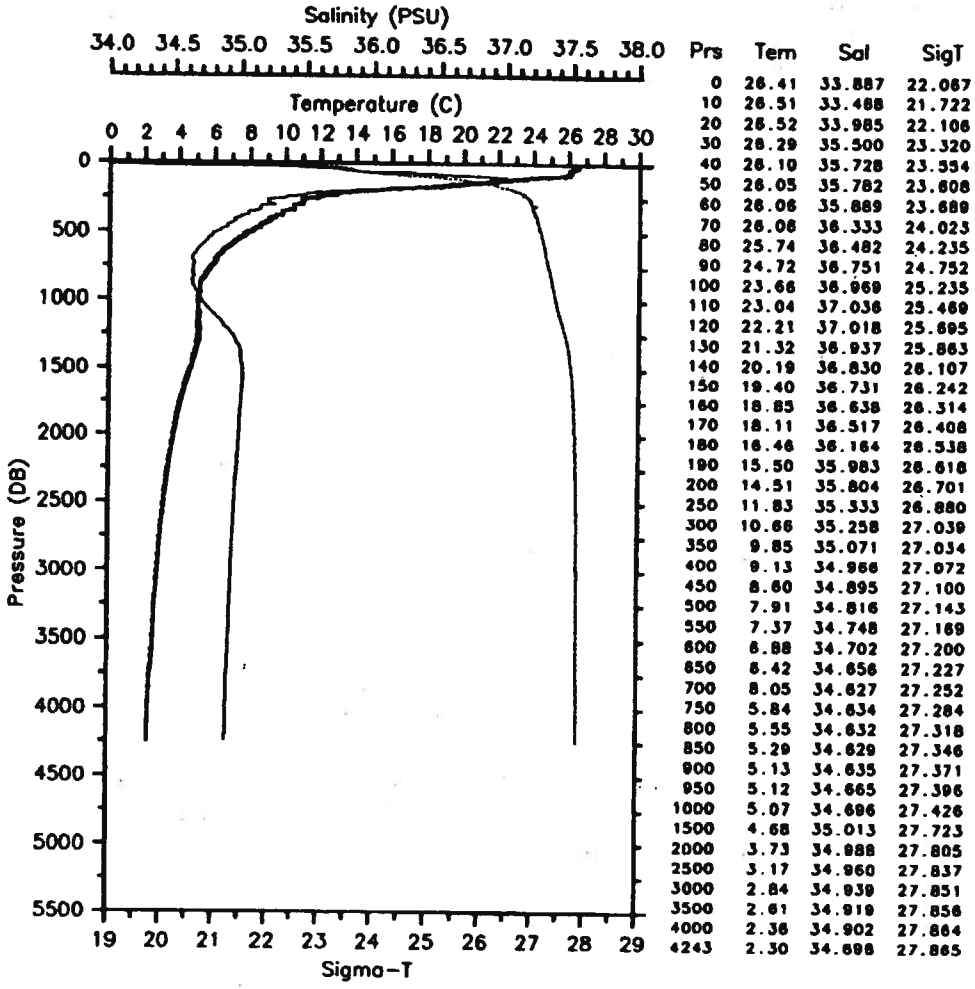
Prs	Tem	Sal	SigT
0	25.93	36.459	24.160
10	26.04	36.162	23.899
20	26.05	36.157	23.894
30	26.05	36.160	23.894
40	26.05	36.160	23.894
50	26.04	36.158	23.895
60	26.02	36.156	23.902
70	25.78	36.147	23.970
80	25.32	36.127	24.097
90	25.12	36.263	24.859
100	20.39	36.326	25.671
110	18.55	36.152	26.017
120	17.39	36.090	26.257
130	16.39	35.975	26.409
140	14.85	35.785	26.589
150	14.17	35.672	26.672
160	13.38	35.545	26.739
170	12.76	35.441	26.783
180	12.25	35.387	26.842
190	11.95	35.328	26.854
200	11.58	35.268	26.878
250	10.67	35.121	26.929
300	9.84	34.954	26.978
350	9.20	34.889	27.000
400	8.84	34.897	27.063
450	8.56	34.879	27.094
500	7.89	34.795	27.115
550	7.67	34.799	27.164
600	7.35	34.776	27.194
650	6.98	34.748	27.221
700	6.67	34.717	27.241
750	6.28	34.686	27.270
800	5.98	34.669	27.294
850	5.62	34.654	27.326
900	5.48	34.671	27.357
950	5.29	34.688	27.394
1000	5.25	34.713	27.419
1500	4.57	34.999	27.724
2000	3.61	34.984	27.814
2500	3.07	34.954	27.842
2506	3.06	34.955	27.844

BAL-STACS35-90 CTD 28 BALDRIGE
Date 02 17 90 Latitude 10.026N
Time 1444 Z Longitude 51.299W



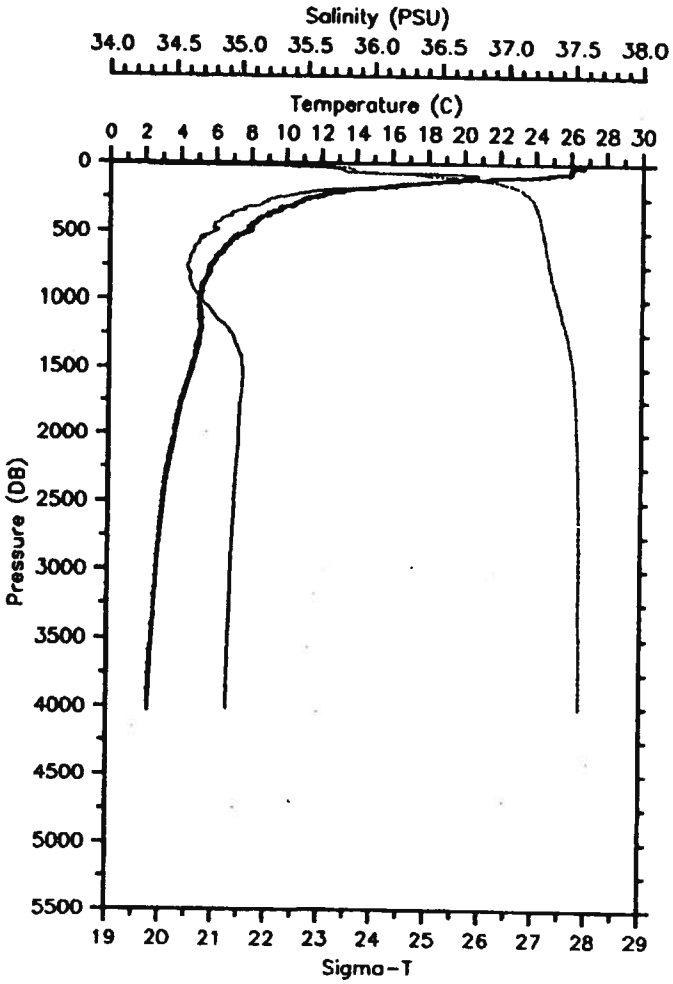
Prs	Tem	Sal	SigT
0	26.40	36.100	23.740
10	26.38	36.109	23.752
20	26.38	36.111	23.754
30	26.37	36.111	23.757
40	26.37	36.111	23.759
50	26.36	36.111	23.759
60	26.36	36.111	23.760
70	26.21	36.120	23.815
80	22.81	36.383	25.041
90	21.11	36.313	25.464
100	19.22	36.230	25.907
110	17.91	36.079	26.123
120	16.76	35.966	26.315
130	15.60	35.878	26.516
140	14.78	35.792	26.633
150	14.06	35.688	26.709
160	13.28	35.564	26.774
170	12.76	35.481	26.800
180	12.25	35.390	26.844
190	11.82	35.278	26.879
200	11.59	35.262	26.872
250	10.18	35.074	26.980
300	9.49	34.980	27.007
350	8.82	34.885	27.042
400	8.37	34.829	27.084
450	7.86	34.788	27.112
500	7.38	34.723	27.148
550	7.04	34.707	27.182
600	6.56	34.647	27.201
650	6.34	34.646	27.230
700	6.05	34.630	27.254
750	5.80	34.633	27.288
800	5.56	34.642	27.325
850	5.30	34.636	27.352
900	5.16	34.648	27.378
950	5.13	34.698	27.420
1000	5.03	34.724	27.453
1500	4.57	34.999	27.723
2000	3.73	34.988	27.805
2056	3.65	34.987	27.812

BAL-STACS35-90 CTD 29 BALDRIGE
Date 02 18 90 Latitude 10.643N
Time 0357 Z Longitude 53.205W



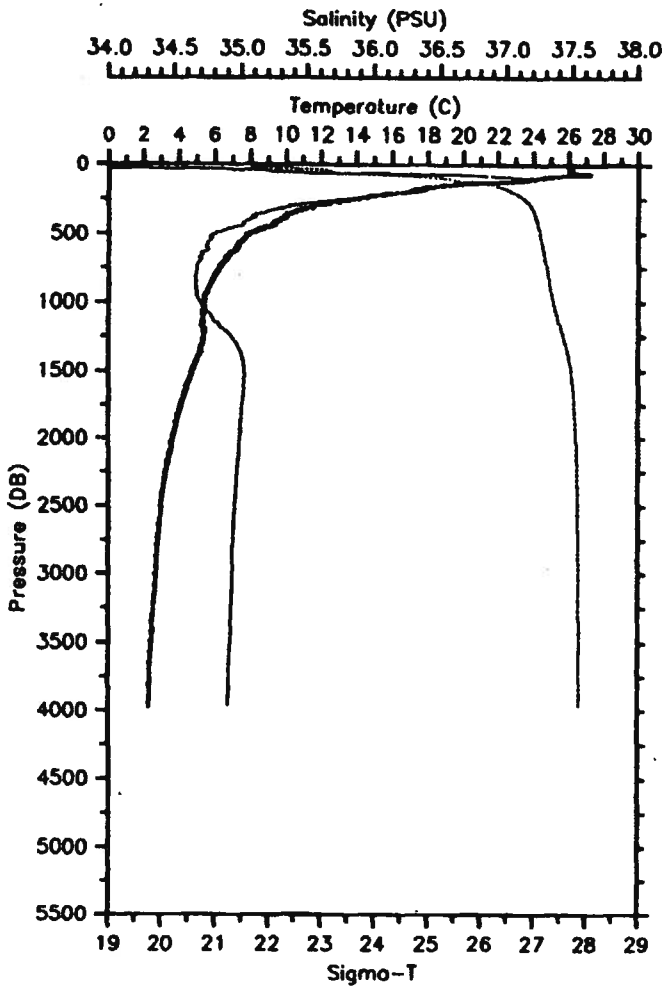
Prs	Tem	Sal	SigT
0	26.41	33.887	22.067
10	26.51	33.488	21.722
20	26.52	33.985	22.106
30	26.29	35.500	23.320
40	26.10	35.728	23.554
50	26.05	35.782	23.608
60	26.06	35.889	23.689
70	26.06	36.333	24.023
80	25.74	36.482	24.235
90	24.72	36.751	24.752
100	23.66	36.969	25.235
110	23.04	37.036	25.469
120	22.21	37.018	25.695
130	21.32	36.937	25.863
140	20.19	36.830	26.107
150	19.40	36.731	26.242
160	18.85	36.638	26.314
170	18.11	36.517	26.408
180	16.46	36.164	26.538
190	15.50	35.983	26.618
200	14.51	35.804	26.701
250	11.83	35.333	26.880
300	10.66	35.258	27.039
350	9.85	35.071	27.034
400	9.13	34.966	27.072
450	8.60	34.895	27.100
500	7.91	34.816	27.143
550	7.37	34.748	27.169
600	6.88	34.702	27.200
650	6.42	34.656	27.227
700	8.05	34.627	27.252
750	5.84	34.634	27.284
800	5.55	34.632	27.318
850	5.29	34.629	27.346
900	5.13	34.635	27.371
950	5.12	34.665	27.396
1000	5.07	34.696	27.426
1500	4.68	35.013	27.723
2000	3.73	34.988	27.805
2500	3.17	34.960	27.837
3000	2.84	34.939	27.851
3500	2.61	34.919	27.856
4000	2.36	34.902	27.864
4243	2.30	34.898	27.865

BAL-STACS35-90 CTD 30 BALDRIGE
Date 02 18 90 Latitude 11.206N
Time 1700 Z Longitude 55.223W



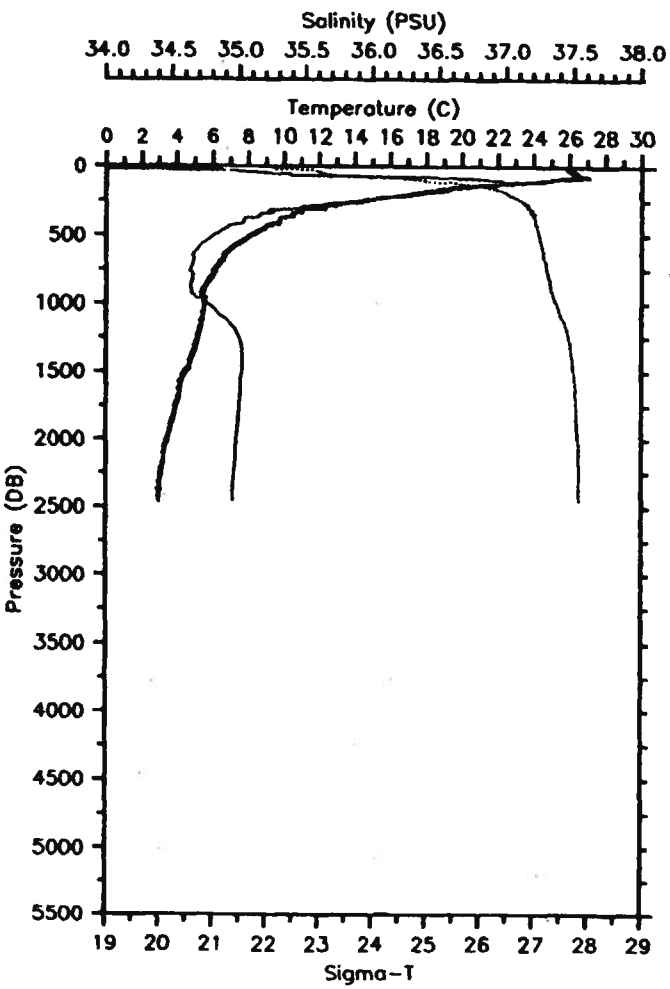
Prs	Tem	Sal	SigT
0	26.68	32.860	21.208
10	26.60	32.957	21.307
20	26.63	34.880	22.748
30	26.10	35.594	23.452
40	26.04	35.721	23.566
50	26.01	35.766	23.611
60	25.97	35.773	23.629
70	25.93	36.076	23.871
80	24.73	36.687	24.700
90	24.21	36.770	24.922
100	22.47	36.644	25.337
110	21.38	36.576	25.590
120	19.85	36.553	25.962
130	18.93	36.462	26.159
140	17.86	36.345	26.337
150	17.05	36.198	26.423
160	16.24	36.097	26.537
170	15.71	36.034	26.610
180	14.92	35.876	26.666
190	13.85	35.676	26.742
200	13.22	35.551	26.775
250	11.39	35.272	26.917
300	10.51	35.151	26.961
350	9.40	34.991	27.047
400	8.55	34.859	27.079
450	8.04	34.786	27.100
500	7.84	34.802	27.142
550	7.18	34.713	27.158
600	6.62	34.652	27.196
650	6.41	34.635	27.211
700	6.02	34.604	27.237
750	5.69	34.581	27.261
800	5.58	34.593	27.283
850	5.43	34.603	27.309
900	5.24	34.617	27.344
950	5.16	34.647	27.376
1000	5.09	34.686	27.415
1500	4.72	35.012	27.717
2000	3.74	34.985	27.801
2500	3.12	34.954	27.838
3000	2.75	34.932	27.854
3500	2.50	34.915	27.862
4000	2.30	34.900	27.867
4018	2.30	34.900	27.867

BAL-STACS35-90 CTD 31 BALDRIGE
Date 02 19 90 Latitude 12.448N
Time 0630 Z Longitude 57.465W



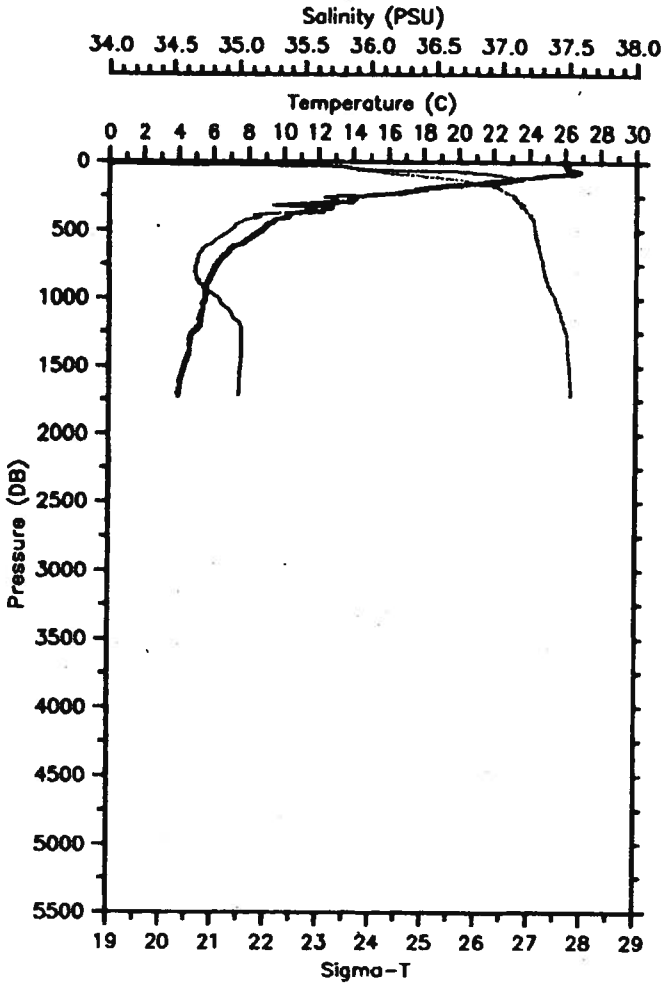
Prs	Tem	Sal	SigT
0	25.87	33.238	21.717
10	25.98	33.231	21.706
20	26.00	33.236	21.707
30	26.11	34.147	22.357
40	26.07	35.110	23.097
50	26.07	35.214	23.174
60	26.57	35.518	23.248
70	27.07	36.487	23.818
80	25.56	36.822	24.550
90	24.57	37.069	25.039
100	23.88	37.188	25.337
110	23.33	37.196	25.505
120	22.61	37.151	25.680
130	21.03	36.926	25.955
140	19.65	36.712	26.162
150	18.81	36.584	26.284
160	18.09	36.482	26.386
170	17.53	36.426	26.483
180	17.23	36.380	26.518
190	16.99	36.375	26.574
200	16.54	36.305	26.627
250	13.59	35.739	26.646
300	11.54	35.356	26.954
350	10.41	35.174	27.017
400	9.70	35.059	27.049
450	8.88	34.956	27.102
500	7.98	34.805	27.124
550	7.58	34.788	27.154
600	7.23	34.737	27.179
650	6.85	34.705	27.207
700	6.62	34.897	27.232
750	6.24	34.662	27.254
800	6.03	34.656	27.277
850	5.82	34.657	27.305
900	5.64	34.651	27.322
950	5.45	34.681	27.353
1000	5.42	34.689	27.379
1500	4.78	35.019	27.716
2000	3.67	34.988	27.610
2500	3.02	34.952	27.845
3000	2.69	34.931	27.658
3500	2.44	34.912	27.665
3984	2.31	34.902	27.868

BAL-STACS35-90 CTD 32 BALDRIGE
Date 02 19 90 Latitude 12.880N
Time 1399 Z Longitude 58.163W



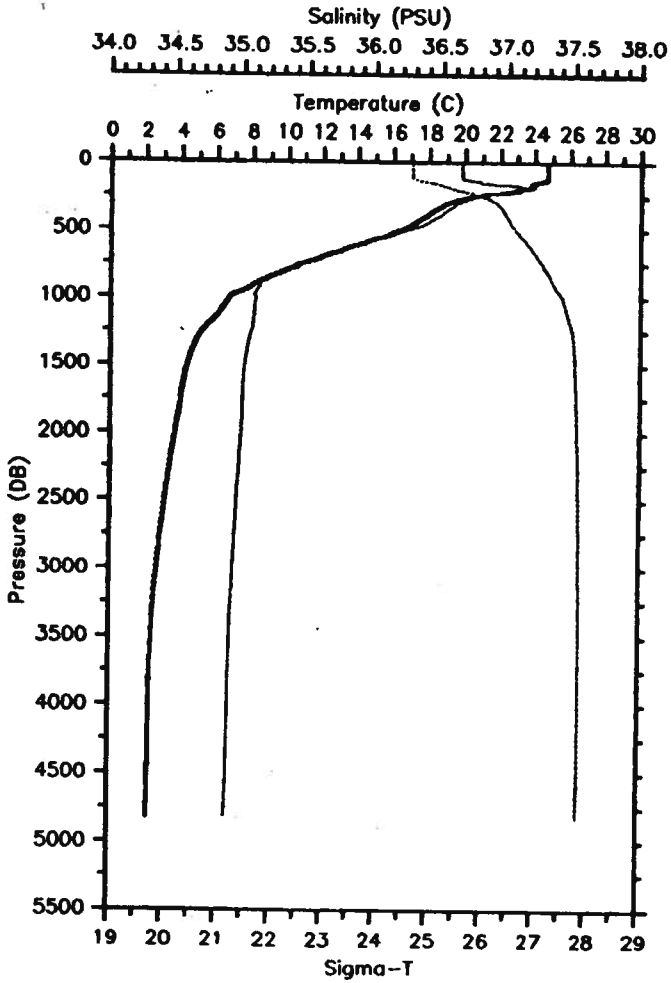
Prs	Tem	Sal	SigT
0	25.87	33.797	22.138
10	26.00	33.780	22.116
20	25.93	33.803	22.154
30	26.12	34.803	22.849
40	26.26	35.048	22.990
50	26.38	35.215	23.079
60	26.29	35.373	23.226
70	26.72	35.672	23.315
80	26.70	36.516	23.959
90	25.25	36.797	24.627
100	24.63	36.938	24.920
110	23.95	36.978	25.156
120	22.82	37.023	25.522
130	21.85	36.970	25.759
140	20.39	36.796	26.029
150	19.85	36.747	26.135
160	18.95	36.687	26.325
170	18.60	36.597	26.345
180	18.11	36.542	26.428
190	17.54	36.455	26.502
200	17.17	36.378	26.533
250	14.44	35.878	26.772
300	12.31	35.485	26.891
350	10.53	35.150	26.978
400	9.78	35.031	27.017
450	8.84	34.900	27.066
500	8.13	34.811	27.106
550	7.56	34.745	27.138
600	7.02	34.685	27.188
650	6.65	34.649	27.190
700	6.43	34.648	27.219
750	6.12	34.629	27.245
800	6.01	34.650	27.276
850	5.69	34.639	27.306
900	5.48	34.633	27.330
950	5.39	34.667	27.366
1000	5.52	34.762	27.425
1500	4.50	35.021	27.749
2000	3.48	34.976	27.822
2453	3.01	34.952	27.846

BAL-STACS35-90 CTD 33 BALDRIGE
Date 02 19 90 Latitude 13.368N
Time 1906 Z Longitude 59.088W



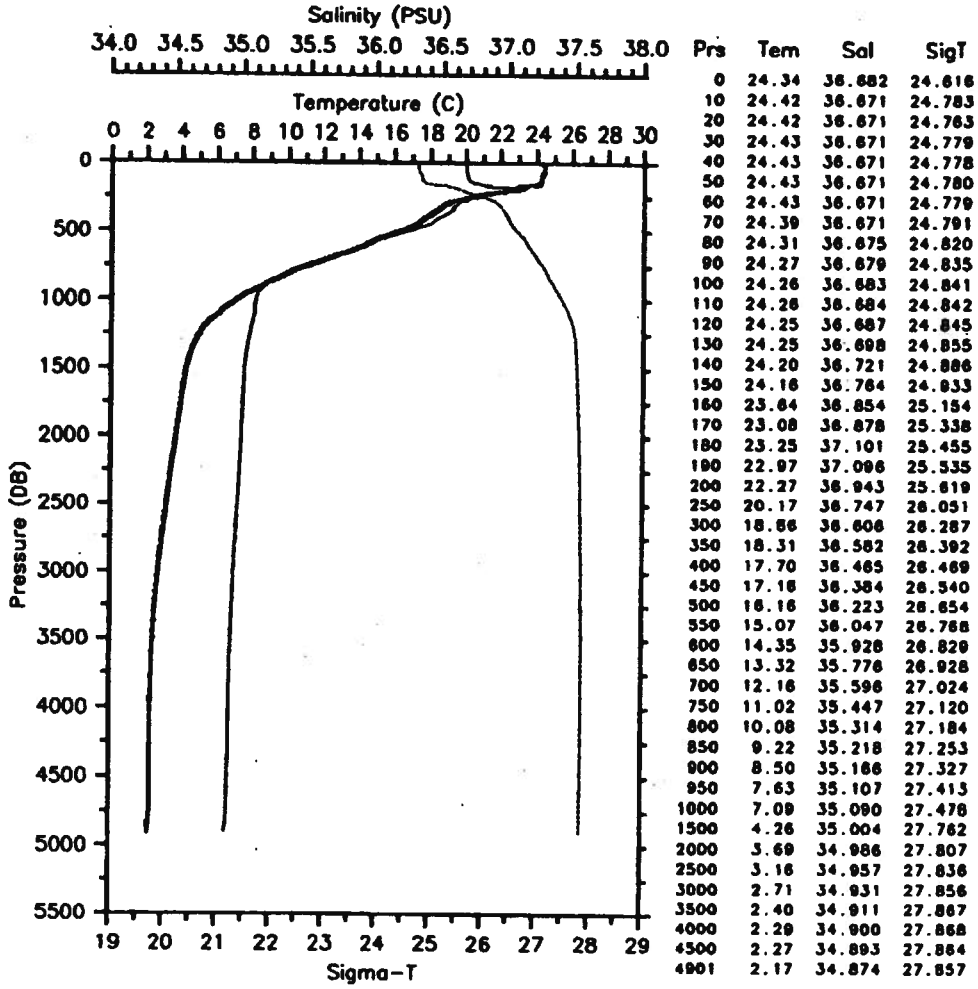
Prs	Tem	Sal	SigT
0	26.08	33.306	21.732
10	26.10	33.296	21.718
20	26.04	34.052	22.307
30	26.14	35.585	23.434
40	26.12	35.812	23.611
50	26.18	35.905	23.682
60	26.55	36.187	23.759
70	26.73	36.676	24.068
80	26.49	36.840	24.271
90	25.58	36.936	24.634
100	24.65	37.004	24.966
110	24.01	37.056	25.197
120	23.32	37.124	25.453
130	22.58	37.150	25.687
140	21.89	37.076	25.885
150	21.25	37.024	25.869
160	20.38	36.915	26.123
170	19.31	36.739	26.273
180	18.69	36.642	26.359
190	17.98	36.520	26.443
200	17.61	36.435	26.470
250	14.23	35.774	26.737
300	12.82	35.509	26.824
350	12.27	35.501	26.928
400	10.27	35.148	27.021
450	9.19	34.994	27.083
500	8.80	34.939	27.102
550	8.18	34.858	27.136
600	7.67	34.794	27.180
650	6.93	34.712	27.202
700	6.58	34.686	27.229
750	6.29	34.677	27.260
800	6.02	34.658	27.281
850	5.82	34.671	27.316
900	5.64	34.696	27.358
950	5.54	34.757	27.418
1000	5.55	34.844	27.486
1500	4.37	35.012	27.756
1724	3.99	34.998	27.786

BAL-STACS35-90 CTD 34 BALDRIGE
Date 02 27 90 Latitude 26.610N
Time 2254 Z Longitude 75.918W



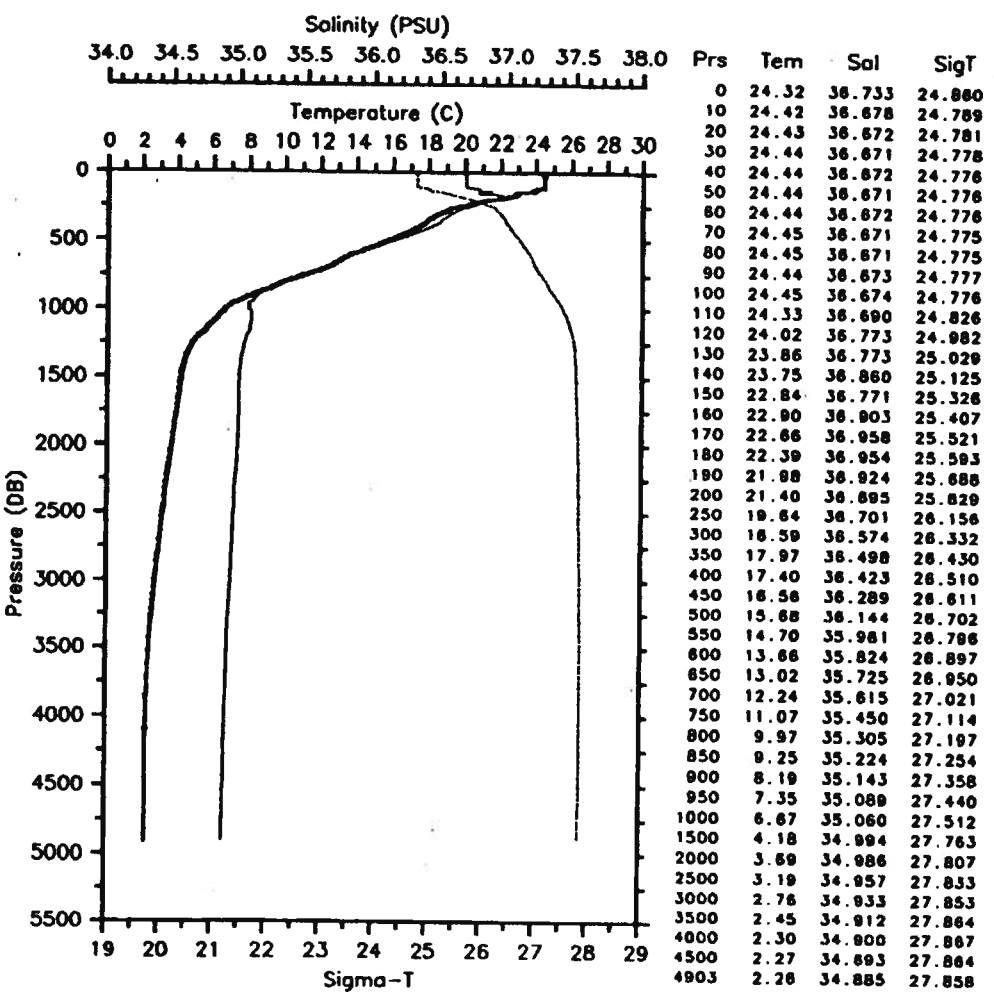
Prs	Tem	Sal	SigT
0	24.60	36.747	24.785
10	24.65	36.649	24.696
20	24.66	36.646	24.690
30	24.67	36.646	24.689
40	24.67	36.646	24.688
50	24.67	36.647	24.688
60	24.67	36.646	24.687
70	24.68	36.646	24.687
80	24.68	36.646	24.687
90	24.68	36.647	24.686
100	24.68	36.647	24.685
110	24.68	36.647	24.685
120	24.67	36.649	24.689
130	24.53	36.694	24.766
140	24.23	36.779	24.922
150	23.90	36.792	25.030
160	23.77	36.877	25.134
170	23.92	37.065	25.229
180	23.79	37.121	25.312
190	23.44	37.107	25.406
200	22.98	37.038	25.493
250	20.34	36.781	26.015
300	18.98	36.612	26.266
350	18.31	36.536	26.374
400	17.75	36.472	26.463
450	17.17	36.385	26.538
500	16.29	36.244	26.638
550	15.40	36.103	26.735
600	14.21	35.909	26.845
650	13.10	35.736	26.943
700	11.94	35.567	27.042
750	10.74	35.415	27.147
800	9.92	35.301	27.201
850	8.93	35.186	27.276
900	8.09	35.117	27.352
950	7.43	35.097	27.435
1000	6.73	35.088	27.526
1500	4.34	35.008	27.757
2000	3.68	34.985	27.807
2500	3.11	34.954	27.839
3000	2.68	34.929	27.858
3500	2.38	34.910	27.868
4000	2.28	34.899	27.867
4500	2.25	34.891	27.864
4815	2.19	34.878	27.859

BAL-STACS35-90 CTD 35 BALDRIGE
Date 02 28 90 Latitude 26.492N
Time 0345 Z Longitude 76.232W



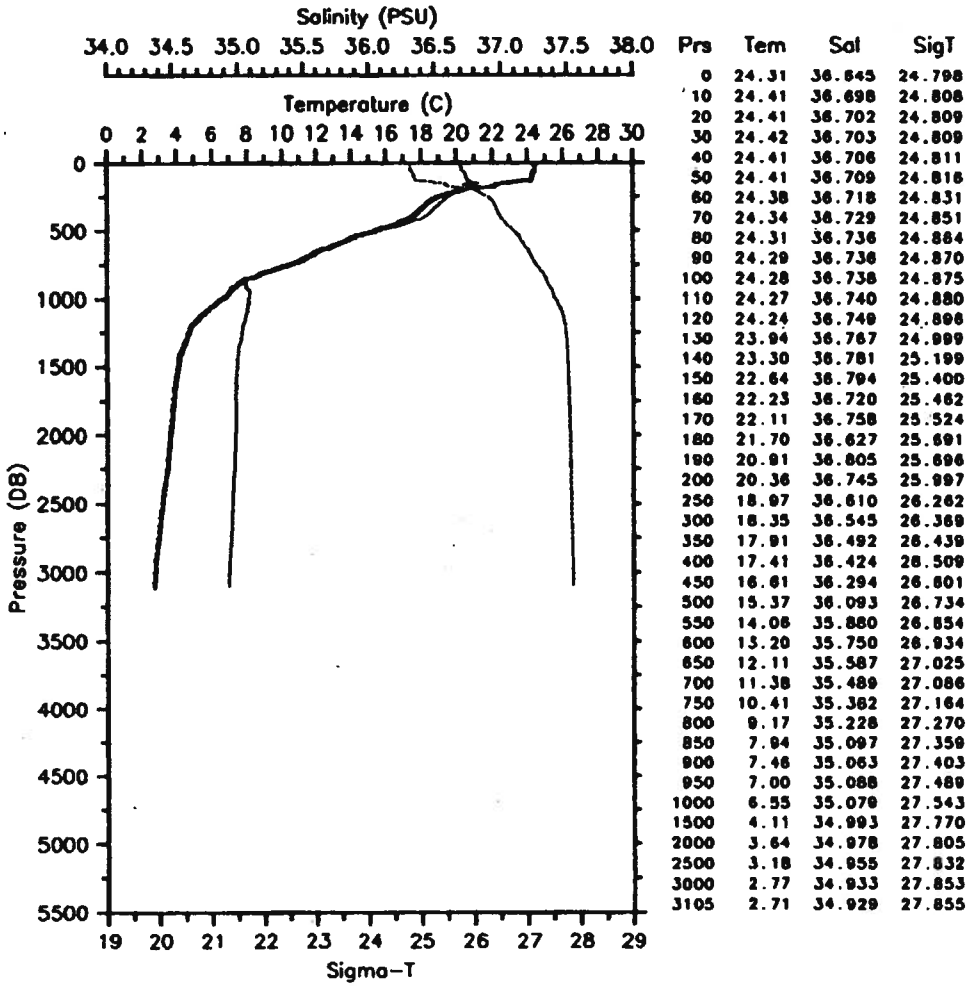
Prs	Tem	Sal	SigT
0	24.34	36.682	24.616
10	24.42	36.671	24.783
20	24.42	36.671	24.783
30	24.43	36.671	24.779
40	24.43	36.671	24.778
50	24.43	36.671	24.780
60	24.43	36.671	24.779
70	24.39	36.671	24.791
80	24.31	36.675	24.820
90	24.27	36.679	24.835
100	24.26	36.683	24.841
110	24.26	36.684	24.842
120	24.25	36.687	24.845
130	24.25	36.698	24.855
140	24.20	36.721	24.886
150	24.16	36.764	24.933
160	23.84	36.854	25.154
170	23.08	36.878	25.338
180	23.25	37.101	25.455
190	22.97	37.096	25.535
200	22.27	36.943	25.619
250	20.17	36.747	26.051
300	18.86	36.606	26.287
350	18.31	36.582	26.392
400	17.70	36.465	26.469
450	17.18	36.384	26.540
500	16.16	36.223	26.654
550	15.07	36.047	26.768
600	14.35	35.928	26.829
650	13.32	35.776	26.928
700	12.16	35.596	27.024
750	11.02	35.447	27.120
800	10.08	35.314	27.184
850	9.22	35.218	27.253
900	8.50	35.166	27.327
950	7.63	35.107	27.413
1000	7.09	35.090	27.478
1500	4.26	35.004	27.762
2000	3.69	34.986	27.807
2500	3.16	34.957	27.836
3000	2.71	34.931	27.856
3500	2.40	34.911	27.867
4000	2.29	34.900	27.868
4500	2.27	34.893	27.884
4901	2.17	34.874	27.857

BAL-STACS35-90 CTD 36 BALDRIGE
Date 02 28 90 Latitude 26.540N
Time 0815 Z Longitude 76.528W



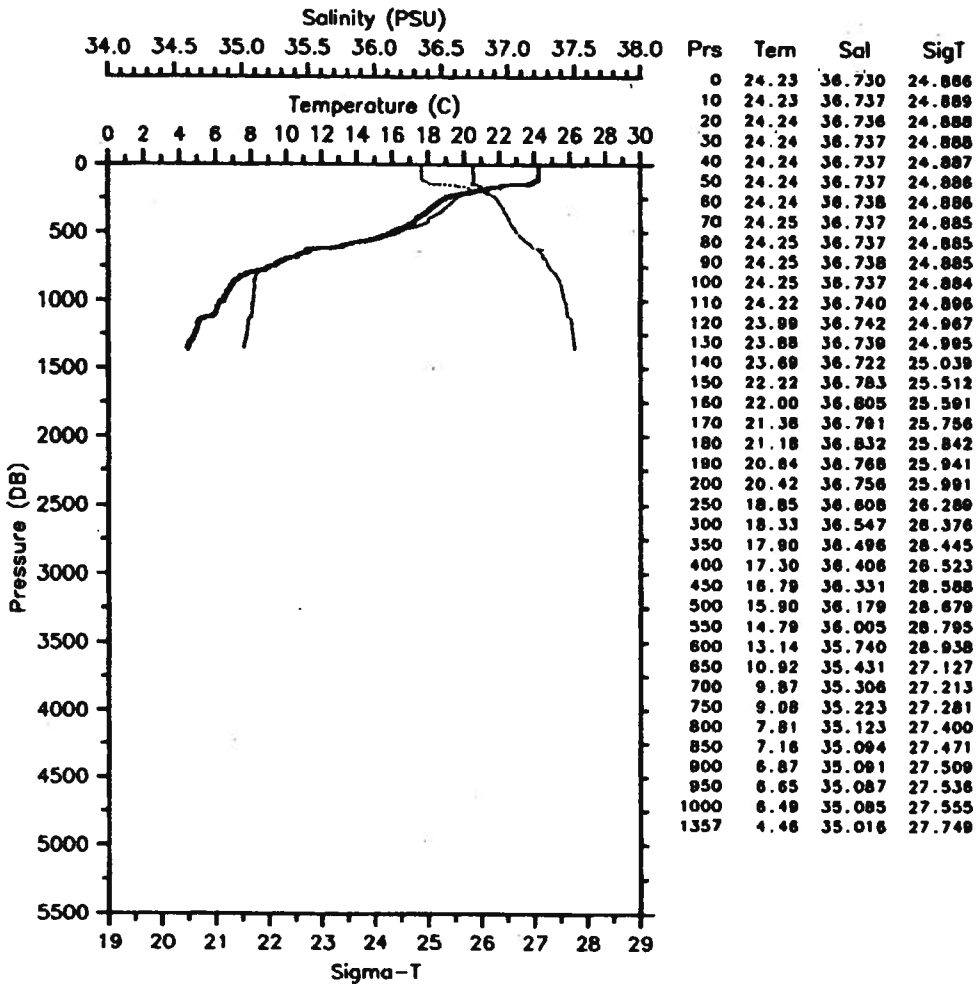
Prs	Tem	Sal	SigT
0	24.32	36.733	24.880
10	24.42	36.678	24.789
20	24.43	36.672	24.781
30	24.44	36.671	24.778
40	24.44	36.672	24.776
50	24.44	36.671	24.776
60	24.44	36.672	24.776
70	24.45	36.671	24.775
80	24.45	36.671	24.775
90	24.44	36.673	24.777
100	24.45	36.674	24.776
110	24.33	36.690	24.826
120	24.02	36.773	24.982
130	23.86	36.773	25.029
140	23.75	36.860	25.125
150	22.84	36.771	25.326
160	22.90	36.903	25.407
170	22.66	36.958	25.521
180	22.39	36.954	25.583
190	21.88	36.924	25.688
200	21.40	36.895	25.829
250	19.64	36.701	26.156
300	18.59	36.574	26.332
350	17.97	36.498	26.430
400	17.40	36.423	26.510
450	16.56	36.289	26.611
500	15.88	36.144	26.702
550	14.70	35.981	26.786
600	13.66	35.824	26.897
650	13.02	35.725	26.950
700	12.24	35.615	27.021
750	11.07	35.450	27.114
800	9.97	35.305	27.197
850	9.25	35.224	27.254
900	8.19	35.143	27.358
950	7.35	35.089	27.440
1000	6.67	35.060	27.512
1500	4.18	34.994	27.763
2000	3.69	34.986	27.807
2500	3.19	34.957	27.853
3000	2.76	34.933	27.853
3500	2.45	34.912	27.864
4000	2.30	34.900	27.867
4500	2.27	34.893	27.864
4903	2.26	34.885	27.858

BAL-STACS35-90 CTD 37 BALDRIGE
Date 02 28 90 Latitude 26.553N
Time 1239 Z Longitude 76.745W



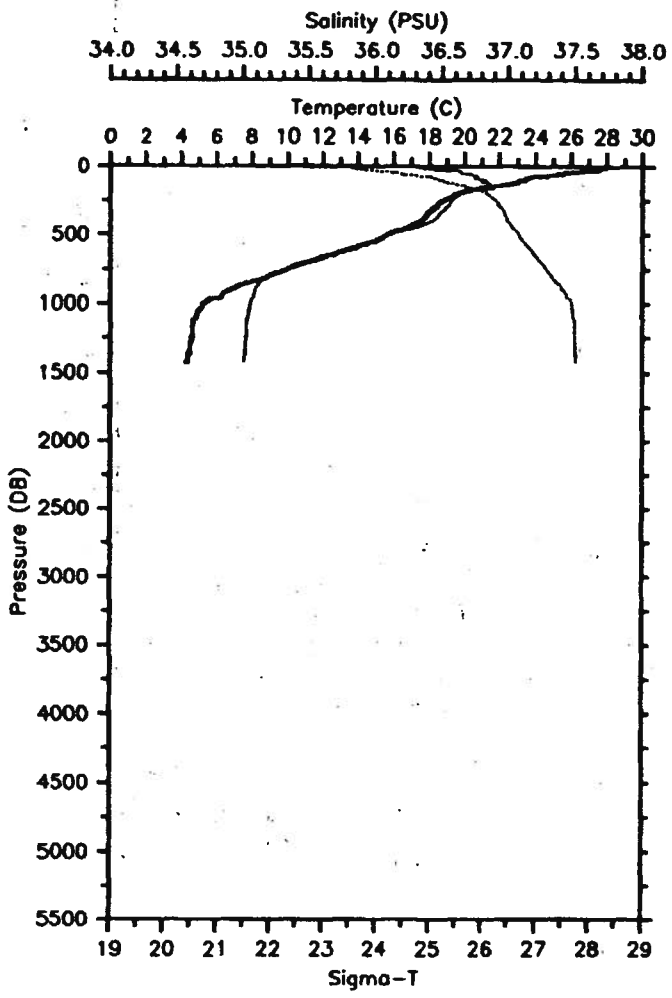
Prs	Tem	Sal	SigT
0	24.31	36.845	24.798
10	24.41	36.698	24.808
20	24.41	36.702	24.809
30	24.42	36.703	24.809
40	24.41	36.706	24.811
50	24.41	36.709	24.816
60	24.38	36.718	24.831
70	24.34	36.729	24.851
80	24.31	36.736	24.864
90	24.29	36.736	24.870
100	24.28	36.738	24.875
110	24.27	36.740	24.880
120	24.24	36.749	24.898
130	23.94	36.767	24.999
140	23.30	36.781	25.199
150	22.64	36.794	25.400
160	22.23	36.720	25.462
170	22.11	36.758	25.524
180	21.70	36.627	25.691
190	20.81	36.805	25.896
200	20.36	36.745	25.997
250	18.97	36.610	26.262
300	18.35	36.545	26.369
350	17.91	36.492	26.439
400	17.41	36.424	26.509
450	16.61	36.294	26.601
500	15.37	36.093	26.734
550	14.06	35.880	26.854
600	13.20	35.750	26.934
650	12.11	35.587	27.025
700	11.38	35.489	27.086
750	10.41	35.382	27.164
800	9.17	35.228	27.270
850	7.94	35.097	27.359
900	7.46	35.063	27.403
950	7.00	35.088	27.489
1000	6.55	35.079	27.543
1500	4.11	34.993	27.770
2000	3.64	34.978	27.805
2500	3.18	34.955	27.832
3000	2.77	34.933	27.853
3105	2.71	34.929	27.855

BAL-STACS35-90 CTD 38 BALDRIGE
Date 02 28 90 Latitude 26.568N
Time 1516 Z Longitude 76.846W



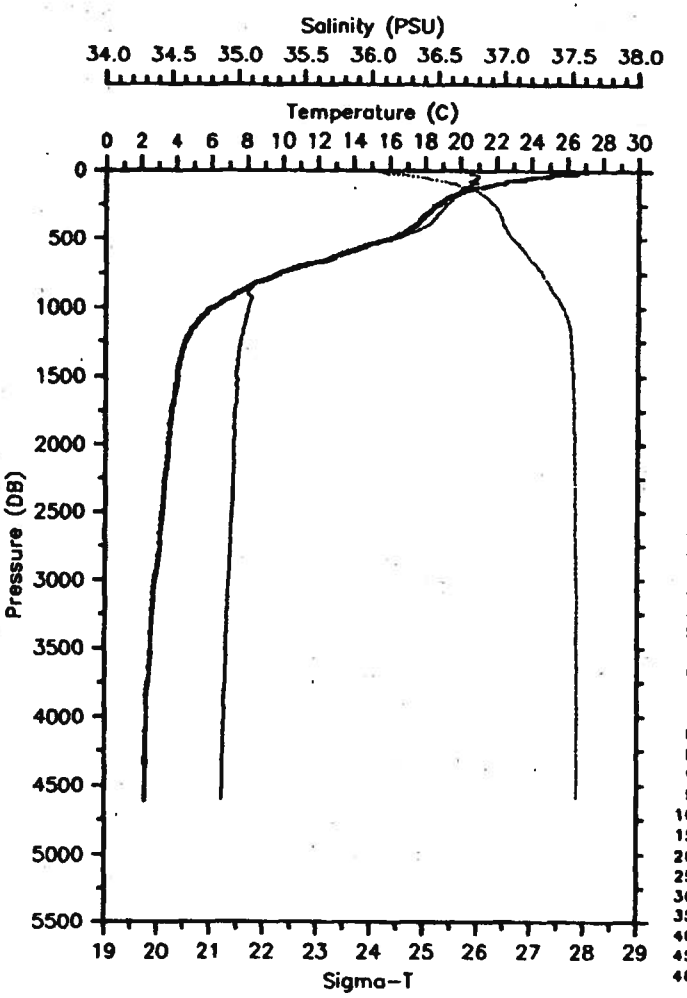
Prs	Tem	Sal	SigT
0	24.23	36.730	24.886
10	24.23	36.737	24.889
20	24.24	36.736	24.888
30	24.24	36.737	24.888
40	24.24	36.737	24.887
50	24.24	36.737	24.886
60	24.24	36.738	24.886
70	24.25	36.737	24.885
80	24.25	36.737	24.885
90	24.25	36.738	24.885
100	24.25	36.737	24.884
110	24.22	36.740	24.896
120	23.99	36.742	24.967
130	23.88	36.739	24.995
140	23.69	36.722	25.039
150	22.22	36.783	25.512
160	22.00	36.805	25.591
170	21.38	36.791	25.756
180	21.18	36.832	25.842
190	20.84	36.768	25.941
200	20.42	36.756	25.991
250	18.85	36.608	26.289
300	18.33	36.547	26.376
350	17.80	36.496	26.445
400	17.30	36.406	26.523
450	16.79	36.331	26.588
500	15.90	36.179	26.679
550	14.79	36.005	26.795
600	13.14	35.740	26.938
650	10.92	35.431	27.127
700	9.87	35.306	27.213
750	9.08	35.223	27.281
800	7.81	35.123	27.400
850	7.16	35.094	27.471
900	6.87	35.091	27.509
950	6.65	35.087	27.536
1000	6.49	35.085	27.555
1357	4.46	35.016	27.749

BAL-STACS36-90 CTD 1 BALDRIGE
Date 06 18 90 Latitude 26.488N
Time 0138 Z Longitude 76.822W



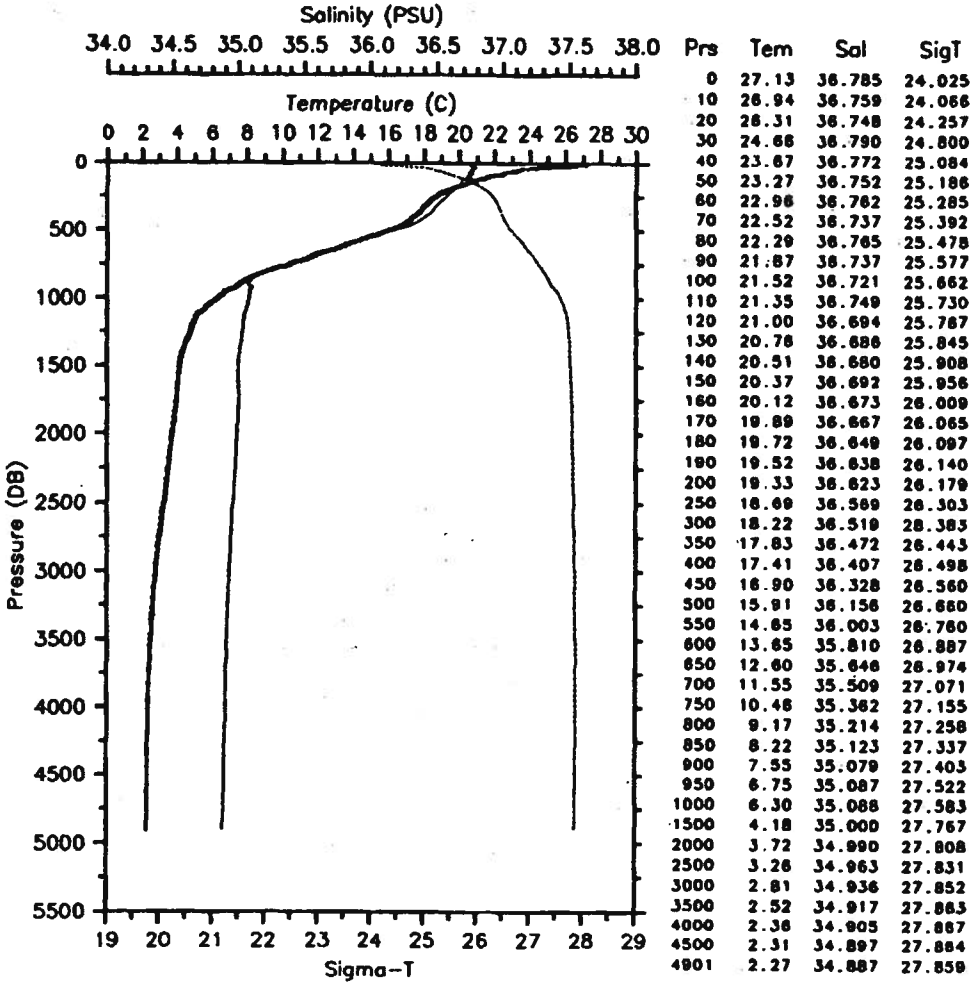
Prs	Tem	Sal	SigT
0	27.97	36.261	23.354
10	27.69	36.310	23.483
20	27.53	36.416	23.616
30	27.01	36.602	23.925
40	26.16	36.630	24.217
50	25.59	36.639	24.400
60	25.14	36.737	24.614
70	24.34	36.765	24.879
80	23.63	36.748	25.077
90	23.44	36.786	25.147
100	23.38	36.834	25.217
110	23.02	36.799	25.296
120	22.83	36.855	25.393
130	22.46	36.873	25.513
140	21.89	36.857	25.661
150	21.53	36.845	25.755
160	20.85	36.788	25.883
170	20.40	36.672	25.932
180	20.11	36.681	26.016
190	19.84	36.654	26.069
200	19.59	36.638	26.122
250	18.73	36.573	26.295
300	18.29	36.528	26.372
350	17.89	36.477	26.433
400	17.50	36.424	26.488
450	16.69	36.300	26.588
500	15.66	36.120	26.690
550	14.98	36.022	26.766
600	13.71	35.823	26.885
650	12.30	35.610	27.005
700	11.08	35.449	27.114
750	9.98	35.316	27.203
800	8.94	35.214	27.296
850	7.75	35.119	27.406
900	6.80	35.090	27.517
950	6.29	35.076	27.577
1000	5.26	35.055	27.689
1428	4.30	35.008	27.760

BAL-STACS36-90 CTD 4 BALDRIGE
Date 06 20 90 Latitude 26.500N
Time 0344 Z Longitude 76.667W



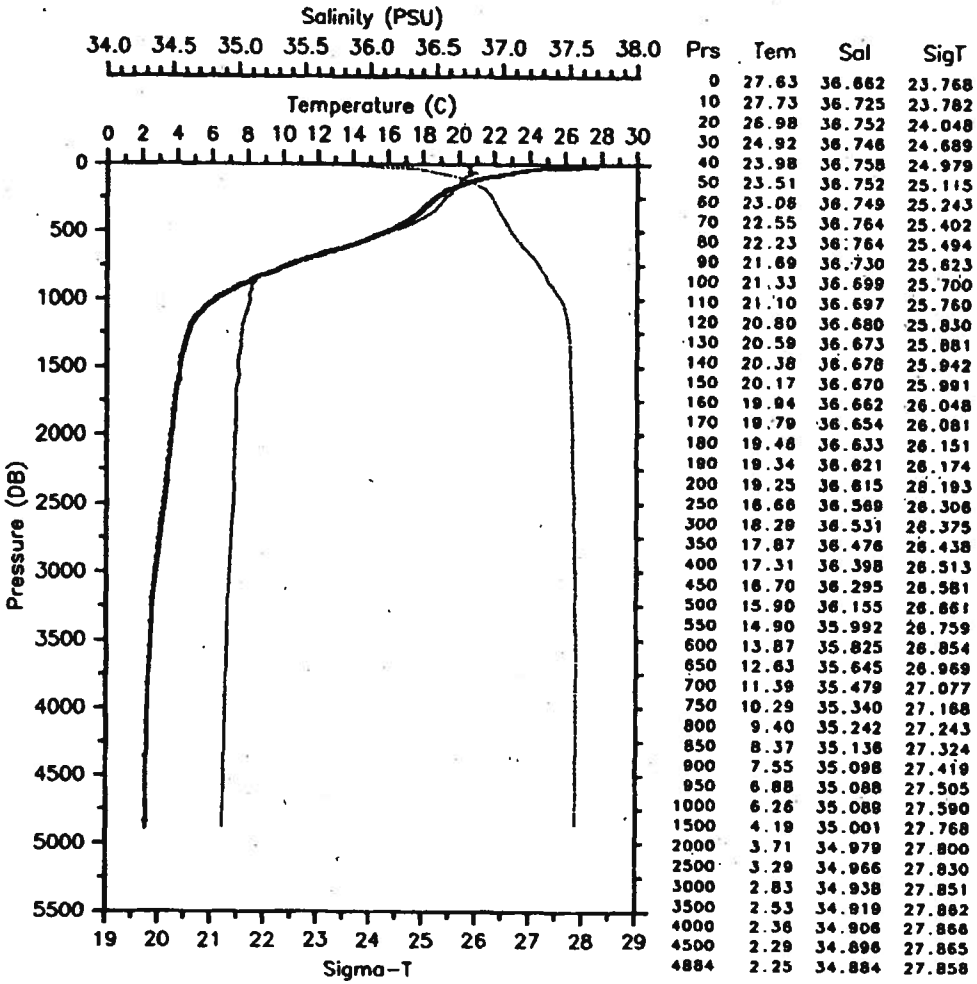
Prs	Tem	Sal	SigT
0	27.05	36.791	24.055
10	26.60	36.741	24.156
20	26.38	36.751	24.244
30	25.23	36.788	24.524
40	24.74	36.807	24.789
50	24.01	36.798	25.003
60	23.55	36.774	25.120
70	22.99	36.756	25.272
80	22.55	36.743	25.387
90	22.36	36.800	25.486
100	21.81	36.758	25.611
110	21.47	36.728	25.683
120	21.08	36.726	25.788
130	20.67	36.682	25.867
140	20.38	36.677	25.941
150	20.18	36.670	25.989
160	19.99	36.659	26.031
170	19.83	36.656	26.071
180	19.62	36.648	26.121
190	19.42	36.633	26.161
200	19.26	36.617	26.192
250	18.63	36.565	26.313
300	18.25	36.523	26.378
350	17.84	36.473	26.440
400	17.45	36.418	26.494
450	16.82	36.317	26.569
500	15.98	36.176	26.664
550	14.72	35.970	26.782
600	13.72	35.805	26.870
650	12.62	35.659	26.981
700	10.98	35.423	27.113
750	9.86	35.289	27.202
800	8.91	35.184	27.277
850	8.12	35.113	27.345
900	7.38	35.073	27.423
950	6.74	35.098	27.533
1000	6.04	35.077	27.609
1500	4.05	34.983	27.768
2000	3.58	34.974	27.808
2500	3.27	34.958	27.827
3000	2.85	34.938	27.850
3500	2.59	34.921	27.859
4000	2.34	34.903	27.867
4500	2.28	34.894	27.864
4607	2.28	34.892	27.863

BAL-STACS36-90 CTD 5 BALDRIGE
Date 06 20 90 Latitude 26.518N
Time 1018 Z Longitude 76.525W



Prs	Tem	Sal	SigT
0	27.13	36.785	24.025
10	26.94	36.759	24.066
20	26.31	36.748	24.257
30	24.66	36.790	24.800
40	23.67	36.772	25.084
50	23.27	36.752	25.186
60	22.96	36.762	25.285
70	22.52	36.737	25.392
80	22.29	36.765	25.478
90	21.87	36.737	25.577
100	21.52	36.721	25.662
110	21.35	36.749	25.730
120	21.00	36.694	25.787
130	20.78	36.686	25.845
140	20.51	36.680	25.908
150	20.37	36.692	25.956
160	20.12	36.673	26.009
170	19.89	36.667	26.065
180	19.72	36.649	26.097
190	19.52	36.638	26.140
200	19.33	36.623	26.179
250	18.69	36.589	26.303
300	18.22	36.519	26.383
350	17.83	36.472	26.443
400	17.41	36.407	26.498
450	16.90	36.328	26.560
500	15.91	36.156	26.660
550	14.85	36.003	26.760
600	13.85	35.810	26.887
650	12.60	35.646	26.974
700	11.55	35.509	27.071
750	10.48	35.362	27.155
800	9.17	35.214	27.258
850	8.22	35.123	27.337
900	7.55	35.079	27.403
950	6.75	35.087	27.522
1000	6.30	35.088	27.583
1500	4.18	35.000	27.767
2000	3.72	34.990	27.808
2500	3.26	34.963	27.831
3000	2.81	34.936	27.852
3500	2.52	34.917	27.863
4000	2.36	34.905	27.867
4500	2.31	34.897	27.884
4901	2.27	34.887	27.859

BAL-STACS36-90 CTD 6 BALDRIGE
Date 06 21 90 Latitude 26.497N
Time 0546 Z Longitude 76.400W

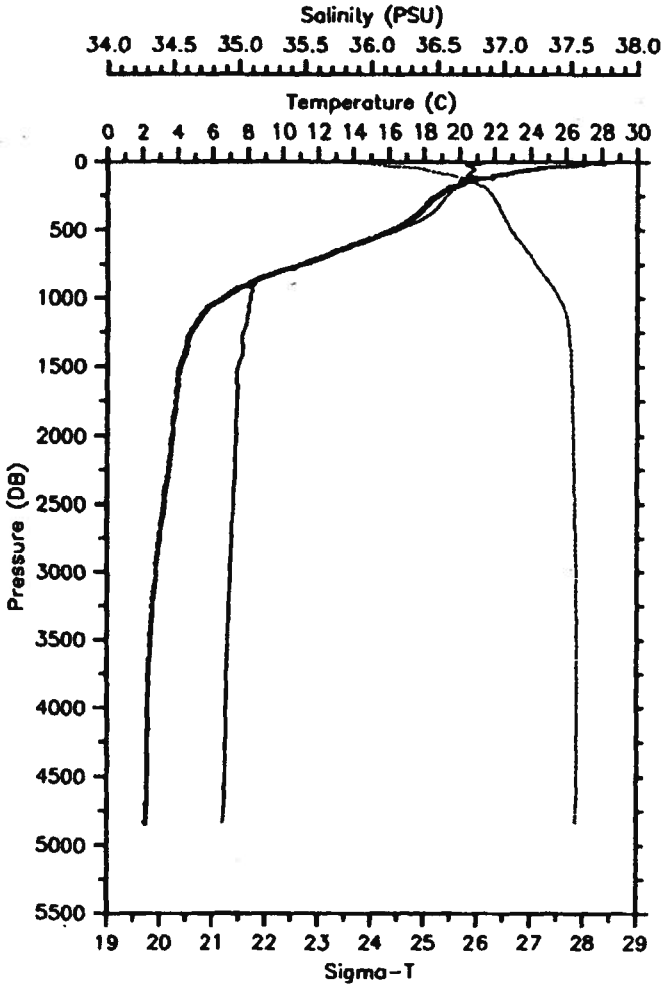


Prs	Tem	Sal	SigT
0	27.63	36.662	23.768
10	27.73	36.725	23.782
20	26.98	36.752	24.048
30	24.92	36.748	24.689
40	23.98	36.758	24.979
50	23.51	36.752	25.115
60	23.08	36.749	25.243
70	22.55	36.764	25.402
80	22.23	36.764	25.494
90	21.89	36.730	25.623
100	21.33	36.699	25.700
110	21.10	36.697	25.760
120	20.80	36.680	25.830
130	20.59	36.673	25.881
140	20.38	36.678	25.942
150	20.17	36.670	25.991
160	19.94	36.662	26.048
170	19.79	36.654	26.081
180	19.48	36.633	26.151
180	19.34	36.621	26.174
200	19.25	36.615	26.193
250	18.68	36.588	26.306
300	18.29	36.531	26.375
350	17.87	36.476	26.438
400	17.31	36.398	26.513
450	16.70	36.295	26.581
500	15.90	36.155	26.661
550	14.90	35.992	26.759
600	13.87	35.825	26.854
650	12.63	35.645	26.969
700	11.39	35.479	27.077
750	10.29	35.340	27.168
800	9.40	35.242	27.243
850	8.37	35.138	27.324
900	7.55	35.098	27.419
950	6.88	35.088	27.505
1000	6.26	35.088	27.590
1500	4.19	35.001	27.768
2000	3.71	34.979	27.800
2500	3.29	34.966	27.830
3000	2.83	34.938	27.851
3500	2.53	34.919	27.862
4000	2.36	34.906	27.868
4500	2.29	34.898	27.865
4884	2.25	34.884	27.858

BAL-STACS36-90 CTD 7 BALDRIGE

Date 06 22 90 Latitude 26.495N

Time 0449 Z Longitude 76.027W

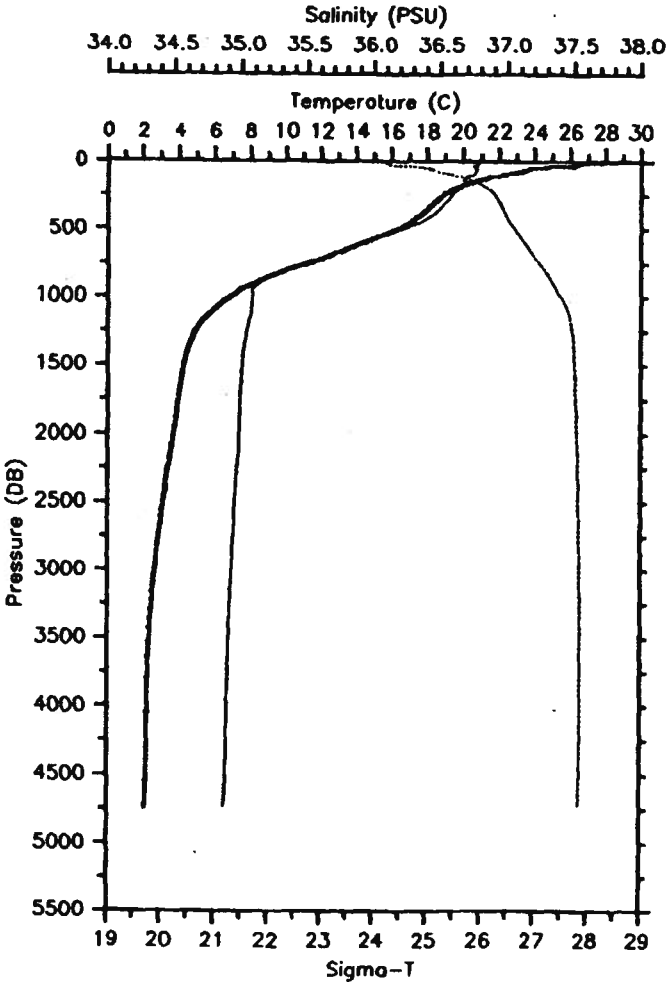


Prs	Tem	Sal	SigT
0	28.05	36.862	23.783
10	27.78	36.854	23.863
20	26.77	36.737	24.103
30	26.23	36.738	24.273
40	24.90	36.782	24.707
50	24.26	36.784	24.917
60	23.72	36.780	25.074
70	23.30	36.761	25.184
80	22.86	36.746	25.301
90	22.37	36.732	25.430
100	21.91	36.729	25.558
110	21.89	36.640	25.649
120	21.19	36.745	25.772
130	20.77	36.668	25.829
140	20.48	36.665	25.905
150	20.28	36.670	25.961
160	20.13	36.672	26.004
170	19.94	36.669	26.054
180	19.67	36.663	26.120
190	19.43	36.631	26.158
200	19.35	36.632	26.181
250	18.72	36.582	26.304
300	18.30	36.534	26.374
350	17.91	36.485	26.434
400	17.44	36.418	26.498
450	16.79	36.314	26.574
500	16.11	36.200	26.647
550	15.25	36.058	26.734
600	14.11	35.871	26.838
650	13.11	35.719	26.927
700	12.15	35.590	27.019
750	11.11	35.446	27.104
800	9.90	35.298	27.203
850	8.82	35.186	27.295
900	8.02	35.127	27.371
950	7.24	35.106	27.468
1000	6.63	35.085	27.537
1500	4.17	34.998	27.766
2000	3.72	34.983	27.802
2500	3.25	34.960	27.830
3000	2.76	34.933	27.854
3500	2.46	34.914	27.865
4000	2.31	34.902	27.867
4500	2.28	34.894	27.864
4836	2.22	34.883	27.860

BAL-STACS36-90 CTD 8 BALDRIGE

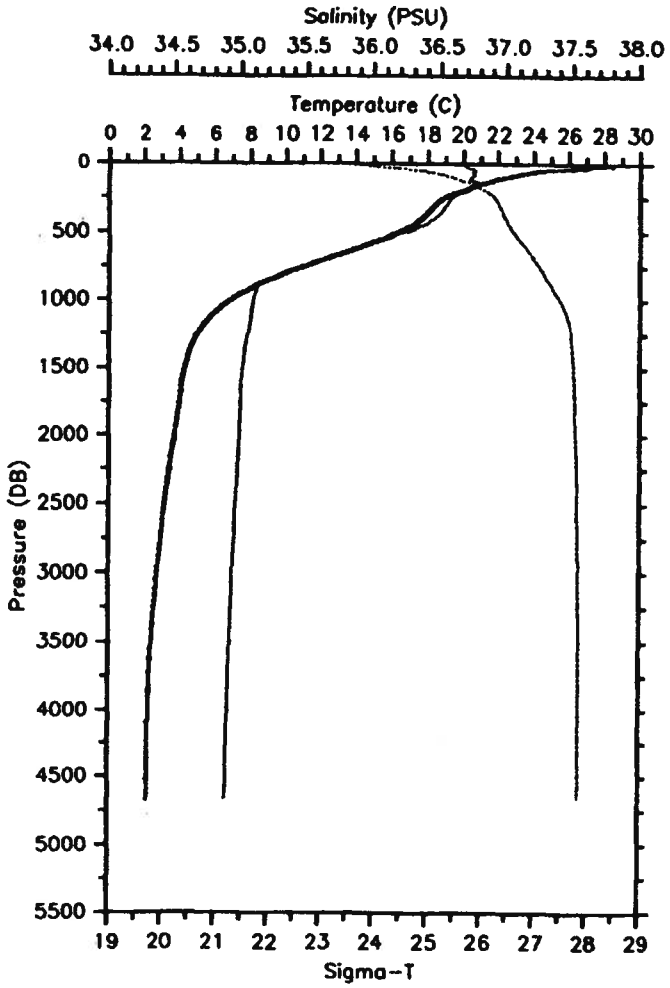
Date 06 22 90 Latitude 26.507N

Time 1301 Z Longitude 75.507W



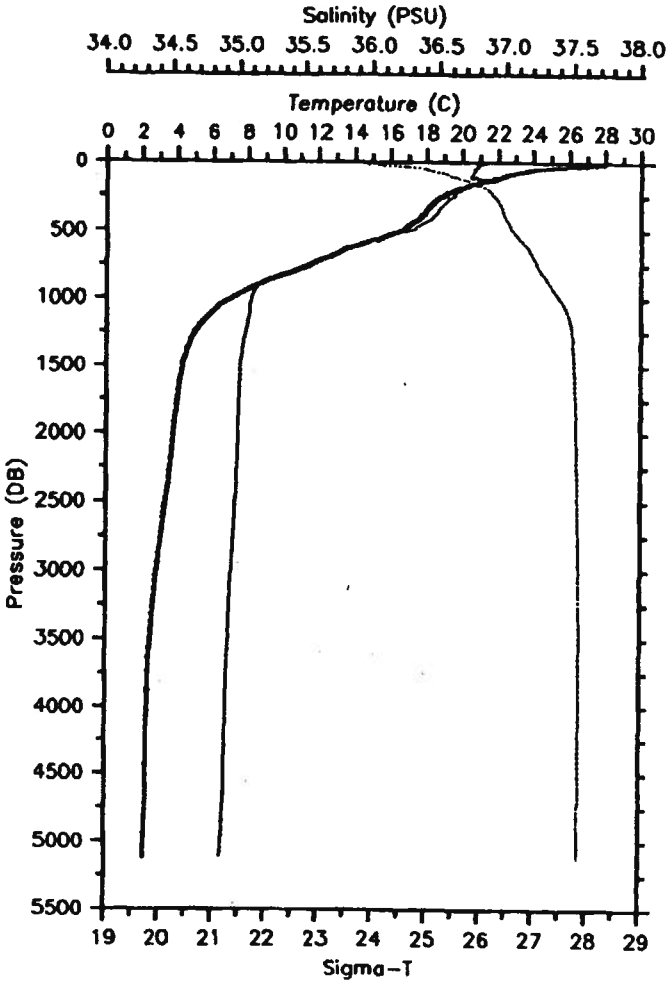
Prs	Tem	Sal	SigT
0	27.75	36.728	23.781
10	27.01	36.773	24.053
20	26.40	36.780	24.252
30	26.22	36.769	24.301
40	24.82	36.761	24.790
50	23.79	36.755	25.038
60	23.57	36.773	25.114
70	23.29	36.764	25.189
80	22.97	36.759	25.278
90	22.55	36.753	25.395
100	22.20	36.746	25.489
110	21.81	36.700	25.621
120	21.33	36.705	25.702
130	21.06	36.682	25.759
140	20.75	36.674	25.838
150	20.58	36.684	25.892
160	20.34	36.678	25.952
170	20.09	36.674	26.017
180	19.81	36.668	26.061
190	19.70	36.657	26.106
200	19.53	36.641	26.140
250	18.87	36.585	26.288
300	18.45	36.544	26.343
350	18.04	36.495	26.408
400	17.60	36.436	26.472
450	17.08	36.355	26.536
500	16.24	36.219	26.631
550	15.24	36.050	26.728
600	14.32	35.911	26.823
650	13.38	35.769	26.915
700	12.36	35.619	27.000
750	11.21	35.460	27.096
800	10.02	35.304	27.187
850	9.09	35.208	27.267
900	8.28	35.143	27.343
950	7.42	35.076	27.419
1000	6.80	35.082	27.497
1500	4.31	35.006	27.759
2000	3.71	34.983	27.803
2500	3.15	34.953	27.834
3000	2.68	34.928	27.856
3500	2.38	34.908	27.867
4000	2.27	34.898	27.867
4500	2.23	34.887	27.862
4735	2.18	34.876	27.857

BAL-STACS36-90 CTD 11 BALDRIGE
Date 06 23 90 Latitude 26.507N
Time 0131 Z Longitude 74.007W



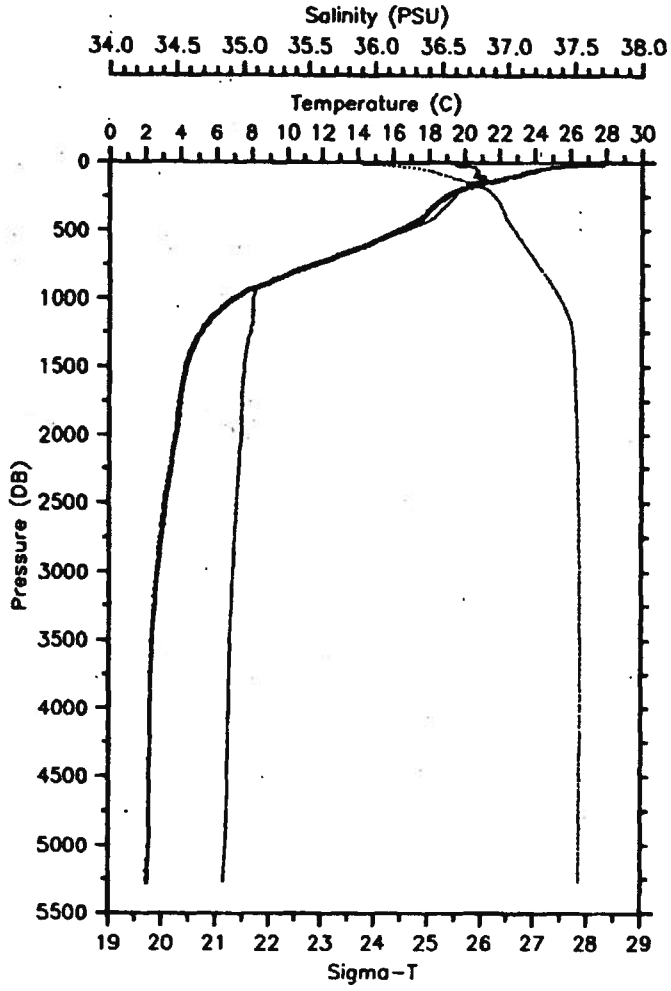
Prs	Tem	Sal	SigT
0	26.30	36.692	23.570
10	26.43	36.600	23.480
20	27.14	36.687	23.947
30	26.65	36.698	24.110
40	25.21	36.743	24.596
50	24.22	36.758	24.907
60	23.88	36.754	25.008
70	23.34	36.752	25.165
80	23.01	36.755	25.264
90	22.71	36.749	25.347
100	22.28	36.731	25.453
110	21.97	36.722	25.537
120	21.70	36.720	25.613
130	21.60	36.772	25.680
140	21.27	36.786	25.781
150	20.88	36.789	25.886
160	20.71	36.778	25.929
170	20.51	36.760	25.969
180	20.35	36.746	26.001
190	20.15	36.725	26.041
200	19.93	36.711	26.089
250	18.92	36.595	26.262
300	18.44	36.547	26.348
350	18.06	36.506	26.413
400	17.67	36.450	26.487
450	17.07	36.356	26.542
500	16.25	36.229	26.637
550	15.45	36.100	26.720
600	14.27	35.912	26.838
650	13.27	35.755	26.925
700	12.23	35.601	27.012
750	11.12	35.446	27.102
800	10.01	35.304	27.189
850	9.13	35.206	27.259
900	8.22	35.132	27.345
950	7.56	35.104	27.421
1000	6.93	35.089	27.498
1500	4.31	35.010	27.761
2000	3.74	34.986	27.803
2500	3.20	34.959	27.834
3000	2.77	34.933	27.853
3500	2.43	34.914	27.868
4000	2.27	34.900	27.869
4500	2.23	34.889	27.864
4671	2.20	34.882	27.861

BAL-STACS36-90 CTD 12 BALDRIGE
Date 06 24 90 Latitude 26.510N
Time 1002 Z Longitude 73.210W



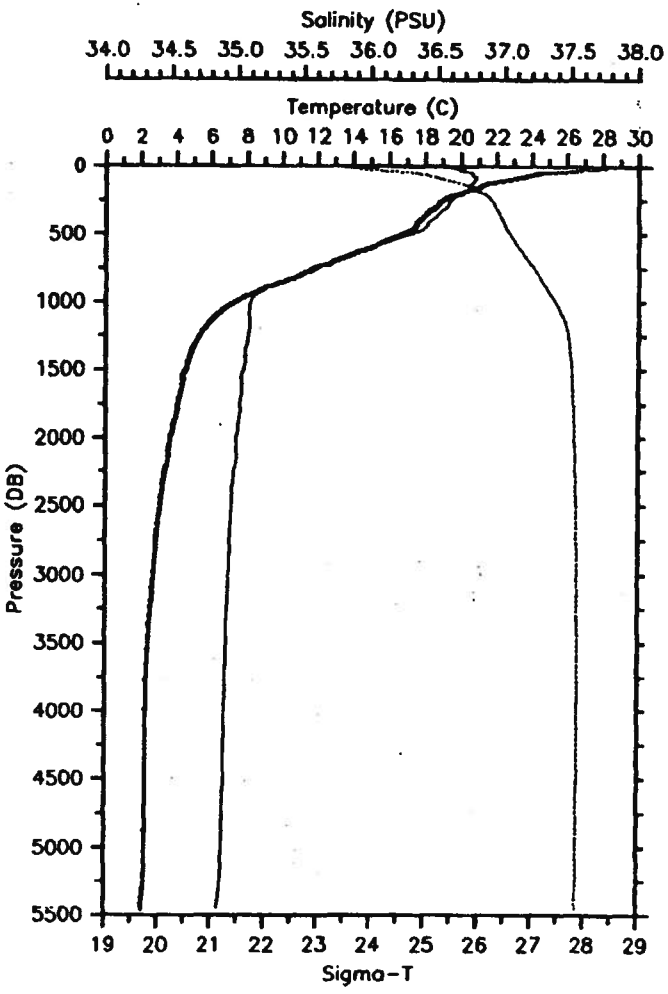
Prs	Tem	Sal	SigT
0	27.83	36.919	23.895
10	27.92	36.841	23.807
20	27.16	36.791	24.018
30	26.02	36.774	24.369
40	24.72	36.784	24.778
50	24.03	36.752	24.960
60	23.72	36.784	25.061
70	23.38	36.755	25.157
80	22.93	36.748	25.280
90	22.56	36.736	25.380
100	22.32	36.732	25.445
110	22.06	36.777	25.554
120	21.92	36.794	25.607
130	21.67	36.875	25.737
140	21.30	36.845	25.817
150	20.93	36.788	25.860
160	20.53	36.743	25.952
170	20.31	36.731	26.002
180	20.11	36.725	26.050
190	19.79	36.693	26.111
200	19.59	36.672	26.149
250	18.94	36.608	26.266
300	18.42	36.549	26.355
350	18.00	36.495	26.418
400	17.66	36.450	26.467
450	17.07	36.364	26.547
500	16.45	36.285	26.618
550	15.39	36.090	26.727
600	14.25	35.912	26.841
650	13.19	35.747	26.934
700	12.30	35.615	27.010
750	11.52	35.503	27.071
800	10.66	35.385	27.137
850	9.52	35.257	27.234
900	8.51	35.159	27.320
950	7.75	35.112	27.389
1000	7.07	35.090	27.481
1500	4.29	35.007	27.761
2000	3.77	34.987	27.799
2500	3.35	34.967	27.826
3000	2.86	34.940	27.850
3500	2.50	34.918	27.864
4000	2.34	34.905	27.868
4500	2.29	34.896	27.865
5000	2.19	34.876	27.858
5115	2.16	34.868	27.853

BAL-STACS36-90 CTD 13 BALDRIGE
Date 06 24 90 Latitude 26.508N
Time 1718 Z Longitude 72.463W



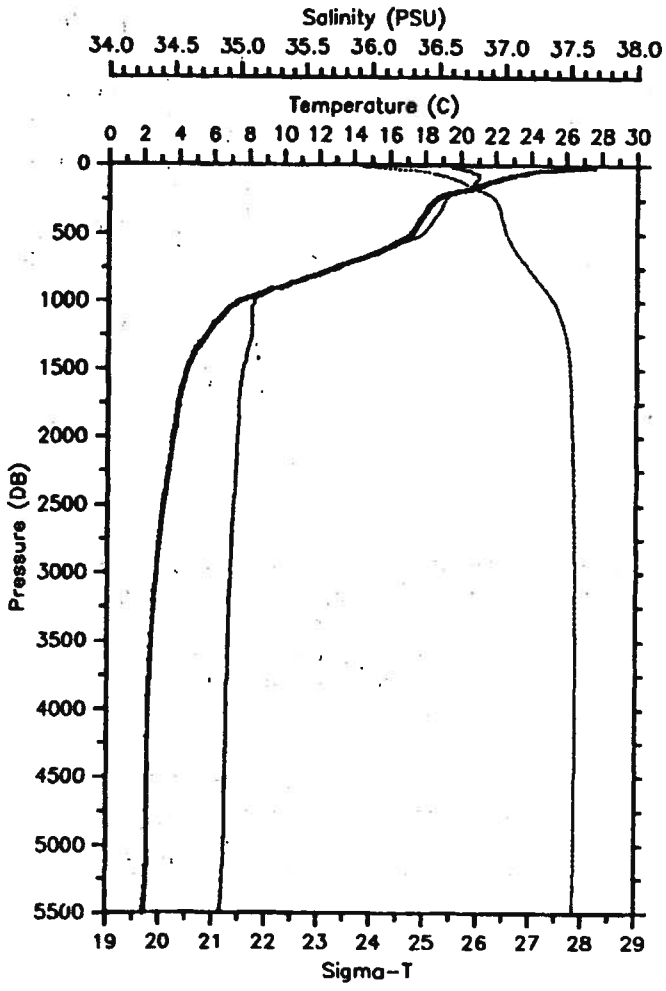
Prs	Tem	Sal	SigT
0	27.94	36.668	23.672
10	27.82	36.699	23.733
20	26.58	36.811	24.069
30	25.57	36.882	24.438
40	24.69	36.756	24.764
50	24.23	36.754	24.902
60	23.92	36.777	25.015
70	23.54	36.784	25.115
80	23.35	36.778	25.183
90	22.92	36.748	25.284
100	22.81	36.824	25.375
110	22.30	36.734	25.452
120	22.07	36.820	25.582
130	21.77	36.807	25.658
140	21.34	36.784	25.744
150	21.01	36.713	25.796
160	20.68	36.689	25.869
170	20.44	36.690	25.935
180	20.18	36.704	26.015
190	19.82	36.656	26.075
200	19.62	36.642	26.117
250	18.97	36.591	26.248
300	18.48	36.547	26.344
350	18.02	36.493	26.412
400	17.67	36.445	26.462
450	17.02	36.345	26.542
500	16.29	36.229	26.626
550	15.48	36.094	26.709
600	14.87	35.984	26.788
650	13.63	35.806	26.888
700	12.63	35.657	26.977
750	11.59	35.511	27.066
800	10.56	35.384	27.154
850	9.51	35.265	27.242
900	8.82	35.177	27.318
950	7.61	35.093	27.405
1000	7.01	35.080	27.480
1500	4.38	35.009	27.755
2000	3.77	34.990	27.802
2500	3.18	34.957	27.834
3000	2.74	34.930	27.853
3500	2.45	34.911	27.863
4000	2.32	34.898	27.864
4500	2.28	34.892	27.861
5000	2.26	34.880	27.854
5270	2.15	34.880	27.847

BAL-STACS36-90 CTD 14 BALDRIGE
Date 06 25 90 Latitude 26.500N
Time 0256 Z Longitude 71.772W



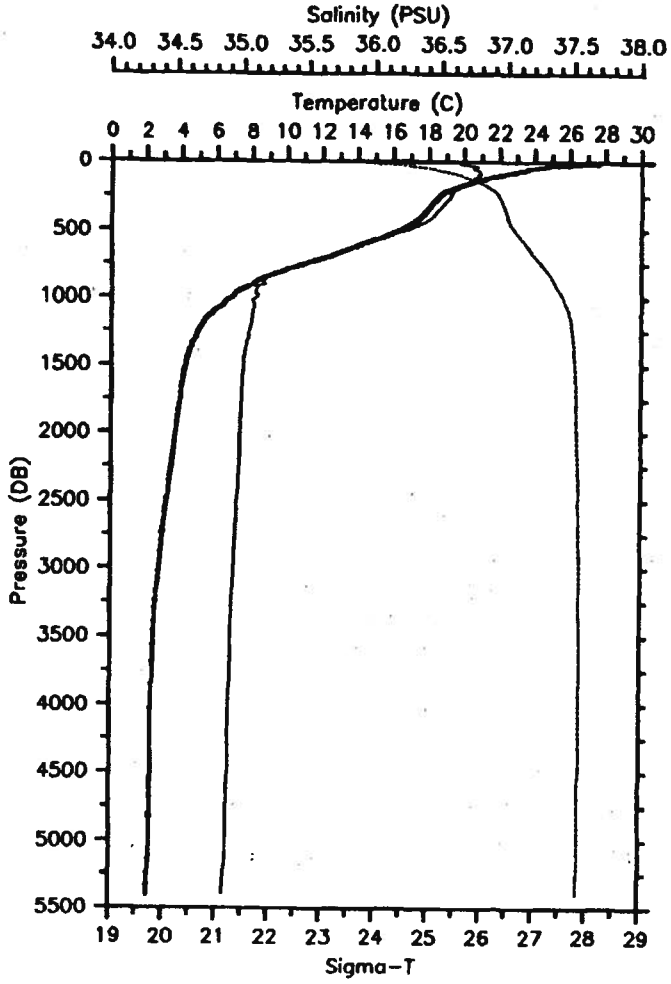
Prs	Tem	Sal	SigT
0	28.12	36.611	23.568
10	28.14	36.590	23.547
20	27.63	36.649	23.758
30	26.62	36.652	24.087
40	25.44	36.718	24.506
50	24.40	36.753	24.852
60	23.99	36.756	24.977
70	23.68	36.783	25.089
80	23.24	36.780	25.215
90	22.86	36.779	25.325
100	22.52	36.771	25.417
110	22.09	36.785	25.536
120	21.67	36.754	25.645
130	21.35	36.745	25.727
140	21.18	36.741	25.777
150	21.03	36.762	25.828
160	20.83	36.750	25.874
170	20.52	36.724	25.940
180	20.29	36.698	25.982
190	20.11	36.683	26.018
200	19.85	36.682	26.066
250	18.99	36.603	26.250
300	18.63	36.571	26.320
350	18.10	36.506	26.402
400	17.67	36.447	26.464
450	17.35	36.400	26.506
500	16.71	36.296	26.580
550	15.79	36.148	26.681
600	14.88	36.000	26.770
650	13.86	35.839	26.866
700	12.87	35.694	26.957
750	11.86	35.554	27.046
800	11.01	35.443	27.119
850	10.00	35.320	27.202
900	8.95	35.211	27.293
950	8.08	35.133	27.367
1000	7.31	35.093	27.446
1500	4.56	35.045	27.761
2000	3.68	34.987	27.809
2500	3.11	34.953	27.838
3000	2.74	34.931	27.854
3500	2.45	34.913	27.864
4000	2.33	34.901	27.866
4500	2.30	34.895	27.862
5000	2.29	34.884	27.855
5455	2.13	34.856	27.846

BAL-STACS36-90 CTD 15 BALDRIGE
Date 06 25 90 Latitude 26.505N
Time 1103 Z Longitude 71.037W



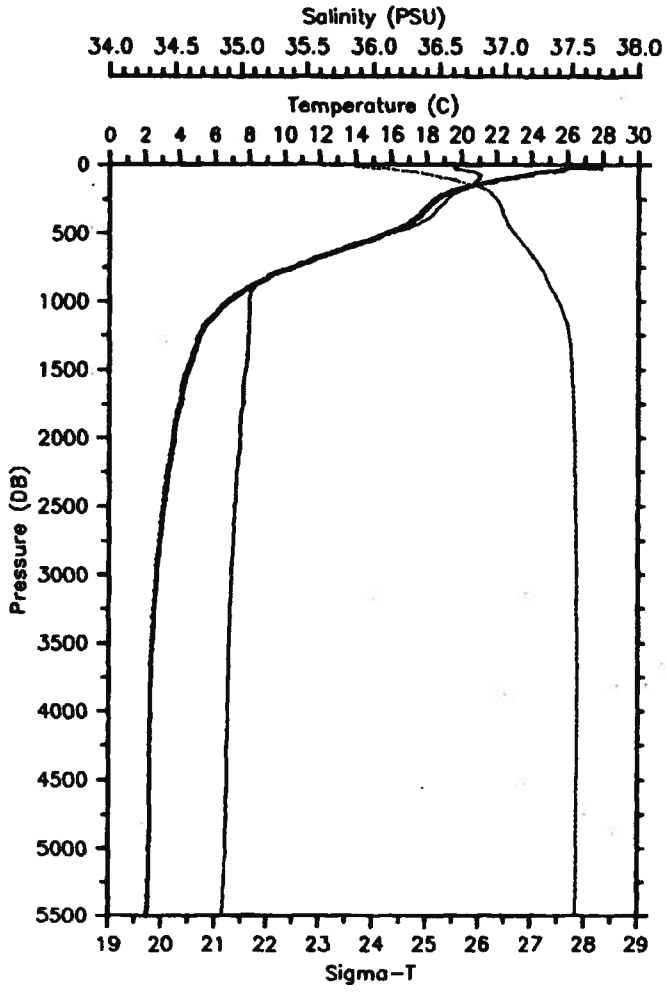
Prs	Tem	Sal	SigT
0	27.54	36.701	23.826
10	27.58	36.684	23.803
20	28.57	36.609	24.089
30	25.59	36.648	24.408
40	24.51	36.741	24.609
50	23.88	36.749	25.003
60	23.59	36.799	25.127
70	23.10	36.791	25.284
80	22.73	36.806	25.385
90	22.41	36.803	25.475
100	22.19	36.796	25.530
110	21.88	36.789	25.612
120	21.57	36.777	25.691
130	21.36	36.767	25.743
140	21.15	36.765	25.798
150	20.91	36.758	25.859
160	20.70	36.742	25.904
170	20.44	36.718	25.956
180	20.09	36.694	26.031
190	19.77	36.662	26.092
200	19.46	36.627	26.147
250	18.57	36.556	26.322
300	18.24	36.529	26.385
350	18.00	36.499	26.422
400	17.74	36.464	26.458
450	17.49	36.426	26.494
500	17.20	36.384	26.529
550	16.59	36.273	26.591
600	15.81	36.145	26.673
650	15.04	36.022	26.754
700	13.97	35.849	26.851
750	13.09	35.715	26.929
800	12.03	35.572	27.028
850	10.84	35.426	27.137
900	9.81	35.312	27.228
950	8.56	35.199	27.345
1000	7.48	35.108	27.438
1500	4.53	35.025	27.749
2000	3.75	34.988	27.802
2500	3.21	34.960	27.833
3000	2.78	34.935	27.853
3500	2.49	34.916	27.863
4000	2.35	34.904	27.866
4500	2.32	34.898	27.862
5000	2.31	34.888	27.856
5500	2.15	34.859	27.846

BAL-STACS36-90 CTD 16 BALDRIGE
Date 06 25 90 Latitude 25.758N
Time 1926 Z Longitude 71.022W



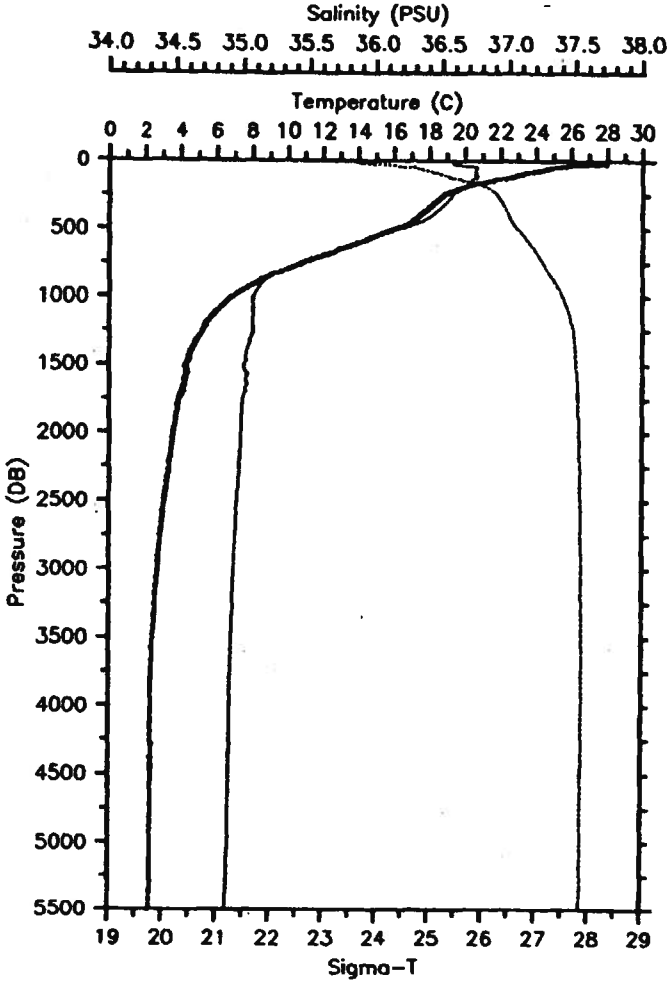
Prs	Tem	Sal	SigT
0	27.60	36.875	23.786
10	27.56	36.875	23.801
20	26.10	36.648	24.247
30	24.97	36.739	24.668
40	24.26	36.753	24.894
50	23.58	36.734	25.082
60	23.31	36.781	25.181
70	22.87	36.785	25.327
80	22.47	36.781	25.439
90	22.08	36.769	25.541
100	21.84	36.781	25.619
110	21.42	36.757	25.716
120	21.19	36.740	25.767
130	20.86	36.732	25.852
140	20.55	36.705	25.916
150	20.35	36.690	25.958
160	20.09	36.683	26.023
170	19.83	36.663	26.076
180	19.62	36.644	26.119
190	19.40	36.629	26.164
200	19.22	36.614	26.199
250	18.60	36.566	26.322
300	18.23	36.520	26.380
350	17.87	36.473	26.434
400	17.55	36.430	26.481
450	17.01	36.343	26.545
500	16.27	36.229	26.631
550	15.39	36.081	26.719
600	14.21	35.887	26.829
650	13.17	35.731	26.925
700	12.16	35.588	27.018
750	10.96	35.436	27.124
800	9.89	35.316	27.218
850	8.74	35.197	27.314
900	8.13	35.166	27.385
950	7.27	35.096	27.457
1000	6.82	35.104	27.526
1500	4.23	35.000	27.763
2000	3.68	34.980	27.804
2500	3.17	34.956	27.833
3000	2.75	34.931	27.853
3500	2.48	34.912	27.863
4000	2.33	34.901	27.865
4500	2.30	34.893	27.862
5000	2.28	34.882	27.854
5402	2.15	34.880	27.847

BAL-STACS36-90 CTD 17 BALDRIGE
Date 06 26 90 Latitude 25.008N
Time 0333 Z Longitude 71.002W



Prs	Tem	Sal	SigT
0	27.88	36.644	23.874
10	27.69	36.615	23.850
20	27.80	36.615	23.879
30	26.17	36.609	24.197
40	25.66	36.676	24.406
50	24.92	36.751	24.692
60	24.22	36.785	24.930
70	23.89	36.813	25.049
80	23.35	36.805	25.204
90	23.06	36.800	25.284
100	22.61	36.806	25.418
110	22.05	36.787	25.584
120	21.79	36.767	25.621
130	21.47	36.776	25.717
140	21.01	36.758	25.832
150	20.59	36.733	25.927
160	20.29	36.722	26.000
170	19.94	36.700	26.077
180	19.72	36.689	26.125
190	19.40	36.662	26.189
200	19.22	36.644	26.224
250	18.58	36.562	26.324
300	18.10	36.510	26.404
350	17.78	36.485	26.450
400	17.33	36.401	26.511
450	16.71	36.300	26.583
500	15.74	36.136	26.682
550	14.87	35.999	26.772
600	13.58	35.801	26.896
650	12.55	35.647	26.986
700	11.51	35.510	27.079
750	10.48	35.378	27.168
800	9.31	35.232	27.249
850	8.70	35.173	27.302
900	7.99	35.110	27.362
950	7.28	35.076	27.440
1000	6.77	35.065	27.502
1500	4.51	35.041	27.765
2000	3.68	34.991	27.812
2500	3.12	34.954	27.838
3000	2.72	34.930	27.855
3500	2.46	34.913	27.864
4000	2.34	34.902	27.866
4500	2.31	34.895	27.863
5000	2.30	34.886	27.856
5500	2.15	34.880	27.847

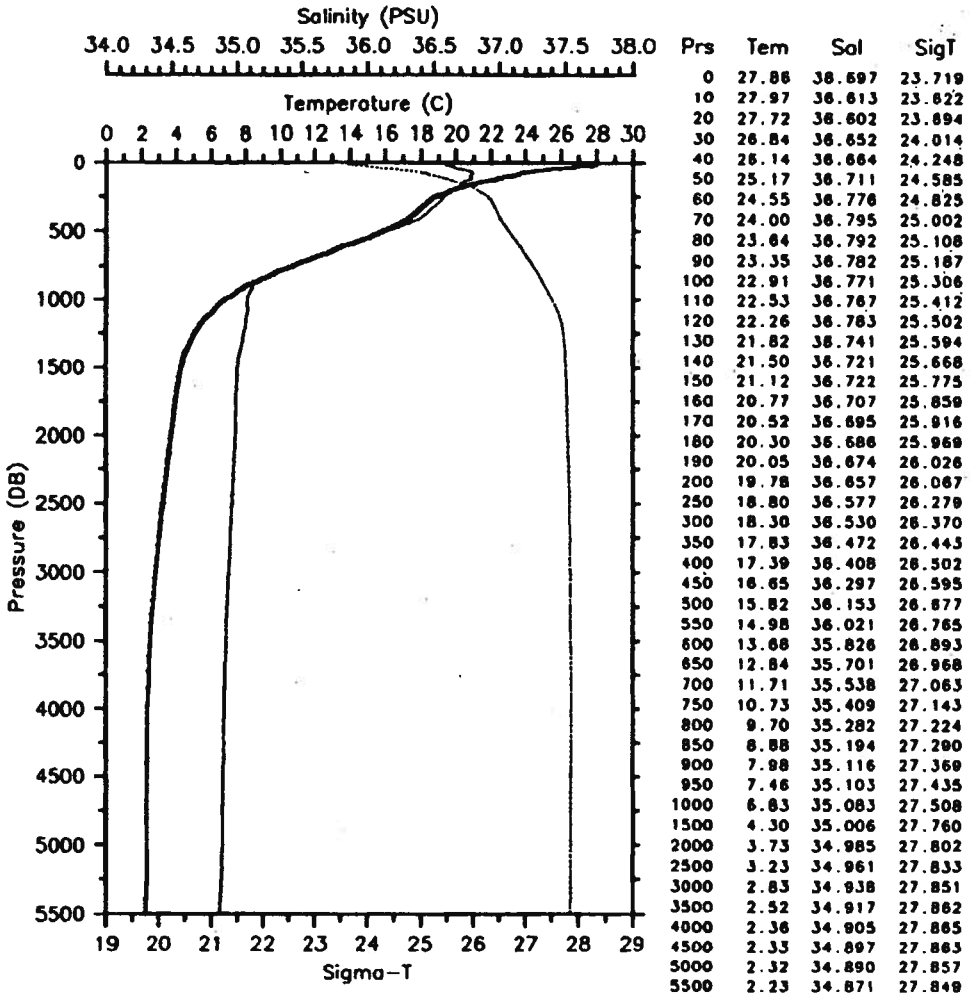
BAL-STACS36-90 CTD 18 BALDRIGE
Date 06 26 90 Latitude 24.650N
Time 1209 Z Longitude 71.772W



Prs	Tem	Sal	SigT
0	27.95	36.592	23.811
10	27.98	36.586	23.802
20	27.85	36.580	23.836
30	26.23	36.624	24.187
40	25.53	36.714	24.475
50	24.77	36.752	24.738
60	24.45	36.759	24.840
70	24.08	36.749	24.944
80	23.72	36.751	25.054
90	23.31	36.753	25.178
100	22.99	36.750	25.267
110	22.73	36.760	25.349
120	22.49	36.765	25.423
130	21.87	36.727	25.568
140	21.54	36.725	25.660
150	21.20	36.726	25.754
160	20.74	36.728	25.884
170	20.42	36.702	25.948
180	20.15	36.667	25.994
190	19.66	36.658	26.065
200	19.86	36.647	26.111
250	18.81	36.576	26.278
300	18.35	36.534	26.362
350	17.92	36.481	26.428
400	17.48	36.421	26.491
450	16.90	36.331	26.562
500	15.91	36.170	26.689
550	14.85	35.997	26.775
600	13.92	35.856	26.866
650	12.86	35.703	26.966
700	11.85	35.552	27.047
750	10.81	35.414	27.133
800	9.87	35.305	27.213
850	8.87	35.198	27.294
900	8.15	35.139	27.362
950	7.38	35.101	27.444
1000	6.82	35.074	27.502
1500	4.30	35.006	27.759
2000	3.59	34.979	27.812
2500	3.08	34.952	27.839
3000	2.70	34.928	27.855
3500	2.43	34.911	27.865
4000	2.32	34.900	27.865
4500	2.33	34.897	27.862
5000	2.33	34.888	27.856
5500	2.28	34.873	27.849

BAL-STACS36-90 CTD 19 BALDRIGE

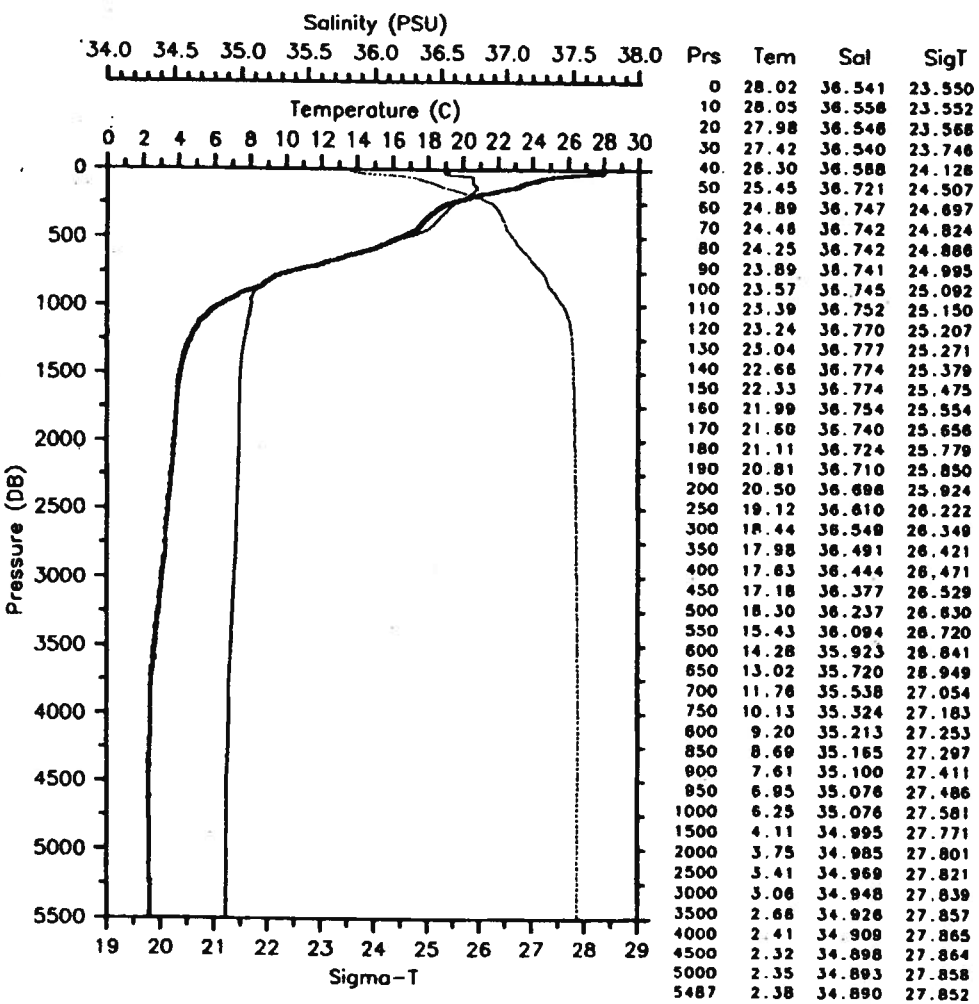
Date 06 26 90 Latitude 24.288N
Time 1920 Z Longitude 72.522W



Prs	Tem	Sal	SigT
0	27.86	36.697	23.719
10	27.97	36.613	23.622
20	27.72	36.602	23.694
30	26.84	36.652	24.014
40	26.14	36.664	24.248
50	25.17	36.711	24.585
60	24.55	36.776	24.825
70	24.00	36.795	25.002
80	23.64	36.792	25.108
90	23.35	36.782	25.187
100	22.91	36.771	25.306
110	22.53	36.767	25.412
120	22.26	36.783	25.502
130	21.82	36.741	25.594
140	21.50	36.721	25.668
150	21.12	36.722	25.775
160	20.77	36.707	25.859
170	20.52	36.695	25.916
180	20.30	36.686	25.969
190	20.05	36.674	26.026
200	19.78	36.657	26.067
250	18.80	36.577	26.279
300	18.30	36.530	26.370
350	17.83	36.472	26.443
400	17.39	36.408	26.502
450	16.65	36.297	26.595
500	15.82	36.153	26.677
550	14.98	36.021	26.765
600	13.68	35.826	26.893
650	12.84	35.701	26.968
700	11.71	35.538	27.063
750	10.73	35.409	27.143
800	9.70	35.282	27.224
850	8.88	35.194	27.290
900	7.98	35.116	27.369
950	7.46	35.103	27.435
1000	6.83	35.083	27.508
1500	4.30	35.006	27.760
2000	3.73	34.985	27.802
2500	3.23	34.961	27.833
3000	2.83	34.938	27.851
3500	2.52	34.917	27.862
4000	2.36	34.905	27.865
4500	2.33	34.897	27.863
5000	2.32	34.890	27.857
5500	2.23	34.871	27.849

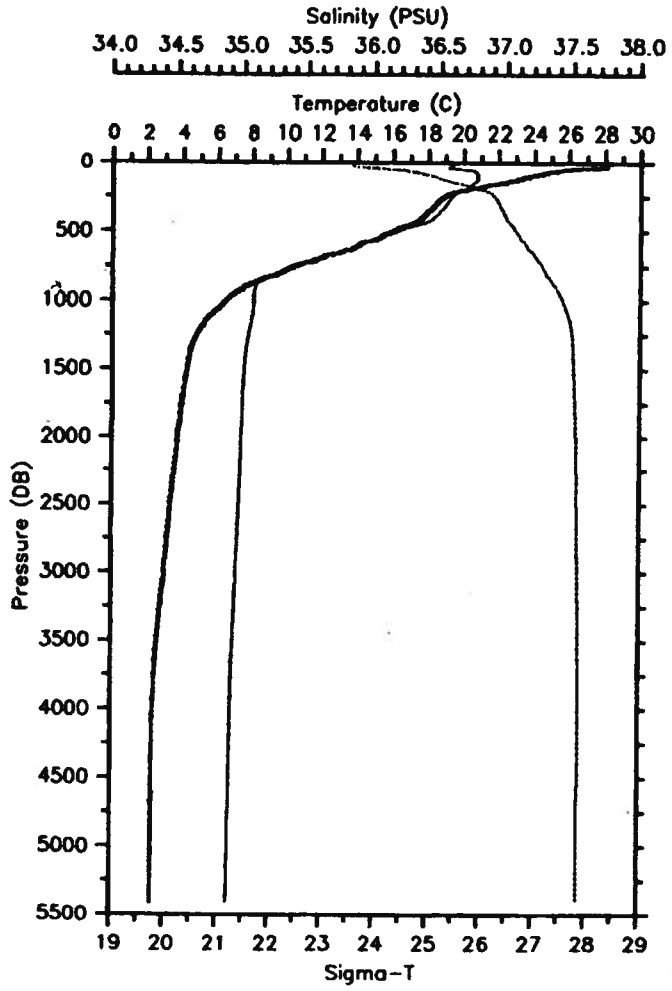
BAL-STACS36-90 CTD 20 BALDRIGE

Date 06 27 90 Latitude 24.250N
Time 0234 Z Longitude 73.333W



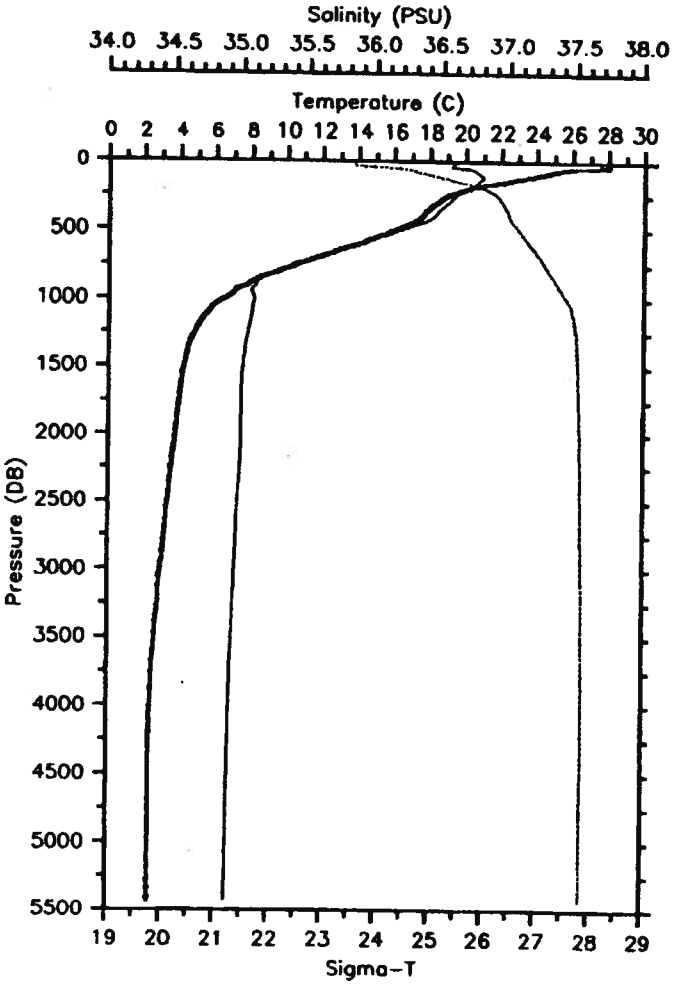
Prs	Tem	Sal	SigT
0	28.02	36.541	23.550
10	28.05	36.556	23.552
20	27.98	36.548	23.568
30	27.42	36.540	23.746
40	26.30	36.588	24.128
50	25.45	36.721	24.507
60	24.89	36.747	24.697
70	24.48	36.742	24.824
80	24.25	36.742	24.886
90	23.89	36.741	24.995
100	23.57	36.745	25.092
110	23.39	36.752	25.150
120	23.24	36.770	25.207
130	23.04	36.777	25.271
140	22.68	36.774	25.379
150	22.33	36.774	25.475
160	21.99	36.754	25.554
170	21.60	36.740	25.656
180	21.11	36.724	25.779
190	20.81	36.710	25.850
200	20.50	36.698	25.924
250	19.12	36.610	26.222
300	18.44	36.549	26.348
350	17.98	36.491	26.421
400	17.63	36.444	26.471
450	17.18	36.377	26.529
500	16.30	36.237	26.630
550	15.43	36.094	26.720
600	14.28	35.923	26.841
650	13.02	35.720	26.949
700	11.76	35.538	27.054
750	10.13	35.324	27.183
800	9.20	35.213	27.253
850	8.69	35.165	27.297
900	7.61	35.100	27.411
950	6.95	35.076	27.486
1000	6.25	35.076	27.581
1500	4.11	34.995	27.771
2000	3.75	34.985	27.801
2500	3.41	34.969	27.821
3000	3.06	34.948	27.839
3500	2.68	34.926	27.857
4000	2.41	34.909	27.865
4500	2.32	34.898	27.864
5000	2.35	34.893	27.858
5487	2.38	34.890	27.852

BAL-STACS36-90 CTD 21 BALDRIGE
Date 06 27 90 Latitude 24.255N
Time 0752 Z Longitude 73.757W



Prs	Tem	Sal	SigT
0	28.08	36.619	23.586
10	28.12	36.592	23.554
20	28.12	36.590	23.554
30	27.93	36.562	23.609
40	26.66	36.585	24.023
50	25.75	36.684	24.384
60	25.17	36.757	24.618
70	24.63	36.772	24.797
80	24.27	36.769	24.903
90	23.88	36.780	25.027
100	23.47	36.769	25.142
110	23.27	36.771	25.199
120	23.05	36.782	25.272
130	22.67	36.762	25.368
140	22.36	36.756	25.452
150	21.89	36.742	25.575
160	21.41	36.728	25.698
170	21.11	36.715	25.770
180	20.74	36.712	25.871
190	20.35	36.690	25.960
200	20.06	36.676	26.026
250	18.90	36.585	26.261
300	18.43	36.543	26.347
350	18.02	36.494	26.414
400	17.61	36.440	26.472
450	16.87	36.328	26.566
500	15.93	36.175	26.670
550	15.14	36.046	26.749
600	13.99	35.872	26.863
650	12.94	35.714	26.958
700	11.67	35.529	27.064
750	10.36	35.352	27.164
800	9.49	35.253	27.236
850	8.38	35.139	27.326
900	7.49	35.087	27.418
950	6.90	35.073	27.491
1000	6.42	35.074	27.557
1500	4.24	35.002	27.762
2000	3.71	34.984	27.803
2500	3.33	34.965	27.826
3000	2.99	34.945	27.842
3500	2.59	34.923	27.860
4000	2.38	34.907	27.868
4500	2.32	34.898	27.884
5000	2.33	34.891	27.858
5408	2.32	34.884	27.853

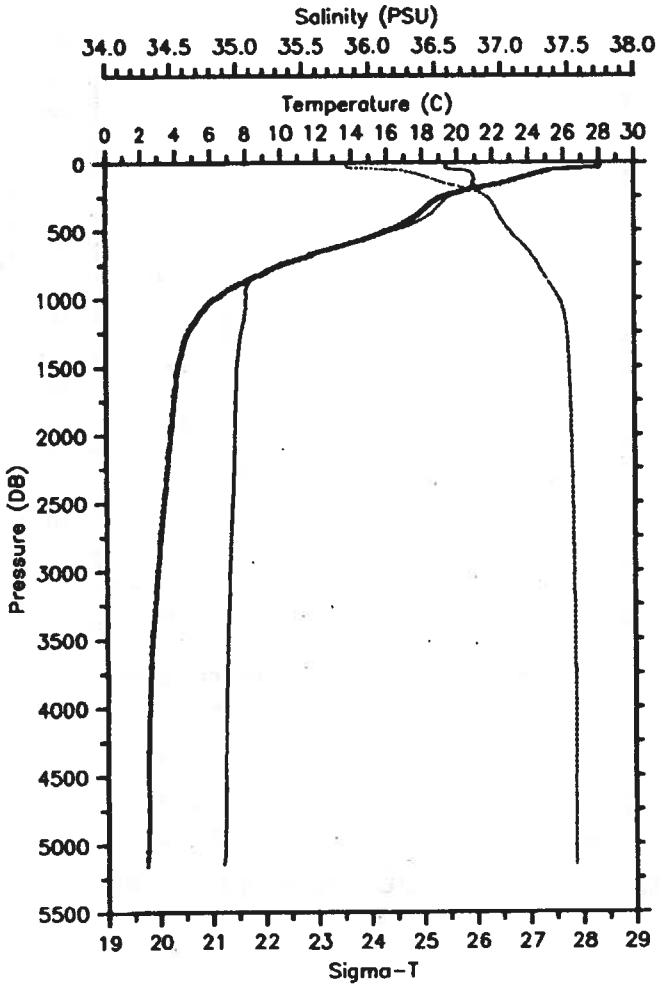
BAL-STACS36-90 CTD 22 BALDRIGE
Date 06 27 90 Latitude 24.253N
Time 1256 Z Longitude 73.933W



Prs	Tem	Sal	SigT
0	27.87	36.581	23.596
10	28.04	36.580	23.571
20	28.05	36.579	23.570
30	28.00	36.576	23.585
40	26.98	36.582	23.905
50	25.82	36.688	24.366
60	25.20	36.727	24.587
70	24.79	36.746	24.729
80	24.59	36.754	24.795
90	24.18	36.784	24.932
100	23.86	36.790	25.041
110	23.61	36.789	25.113
120	23.16	36.795	25.250
130	22.73	36.787	25.369
140	22.43	36.773	25.444
150	22.04	36.757	25.545
160	21.61	36.758	25.664
170	21.02	36.739	25.816
180	20.77	36.732	25.878
190	20.42	36.714	25.959
200	20.10	36.687	26.023
250	18.94	36.592	26.256
300	18.38	36.542	26.359
350	17.87	36.477	26.437
400	17.53	36.429	26.483
450	16.90	36.330	26.561
500	15.91	36.174	26.674
550	14.96	36.021	26.770
600	13.93	35.863	26.871
650	12.70	35.679	26.979
700	11.58	35.519	27.073
750	10.48	35.361	27.150
800	9.51	35.249	27.230
850	8.42	35.134	27.315
900	7.75	35.101	27.391
950	7.00	35.068	27.472
1000	6.42	35.080	27.561
1500	4.21	35.002	27.765
2000	3.75	34.988	27.803
2500	3.33	34.965	27.826
3000	2.93	34.941	27.845
3500	2.63	34.924	27.858
4000	2.41	34.909	27.865
4500	2.35	34.899	27.862
5000	2.35	34.893	27.858
5430	2.34	34.888	27.852

BAL-STACS36-90 CTD 23 BALDRIGE

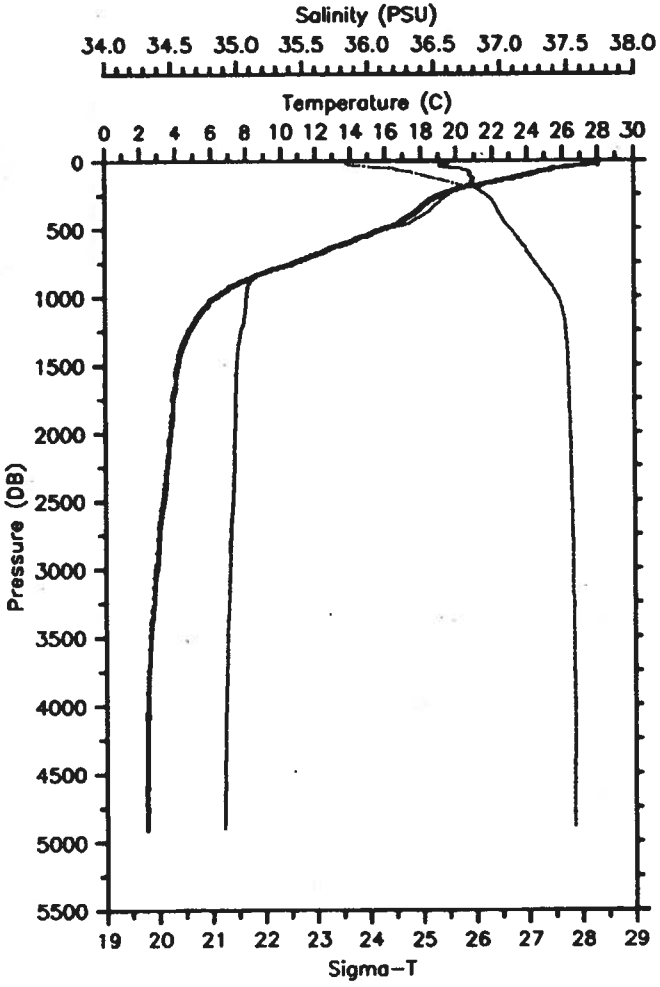
Date 06 27 90 Latitude 24.258N
Time 1705 Z Longitude 74.095W



Prs	Tem	Sal	SigT
0	28.01	36.617	23.609
10	28.05	36.592	23.579
20	28.04	36.592	23.581
30	28.01	36.590	23.590
40	27.17	36.588	23.862
50	26.04	36.643	24.263
60	25.04	36.746	24.652
70	24.68	36.773	24.783
80	24.36	36.780	24.864
90	24.12	36.784	24.956
100	23.85	36.793	25.045
110	23.58	36.791	25.125
120	23.33	36.797	25.204
130	23.09	36.796	25.271
140	22.84	36.791	25.339
150	22.50	36.772	25.424
160	22.14	36.789	25.540
170	21.69	36.787	25.665
180	21.29	36.765	25.760
190	20.81	36.743	25.848
200	20.58	36.732	25.928
250	19.14	36.615	26.220
300	18.47	36.552	26.344
350	18.03	36.498	26.413
400	17.55	36.432	26.483
450	16.80	36.335	26.564
500	15.96	36.185	26.689
550	14.95	36.022	26.772
600	13.70	35.820	26.885
650	12.21	35.608	27.021
700	11.27	35.471	27.093
750	10.04	35.311	27.188
800	9.21	35.210	27.249
850	8.27	35.131	27.336
900	7.48	35.085	27.417
950	6.81	35.071	27.500
1000	6.22	35.070	27.579
1500	4.18	34.999	27.768
2000	3.72	34.984	27.803
2500	3.34	34.966	27.826
3000	2.94	34.941	27.844
3500	2.60	34.923	27.860
4000	2.41	34.909	27.865
4500	2.35	34.899	27.862
5000	2.30	34.889	27.858
5150	2.24	34.878	27.854

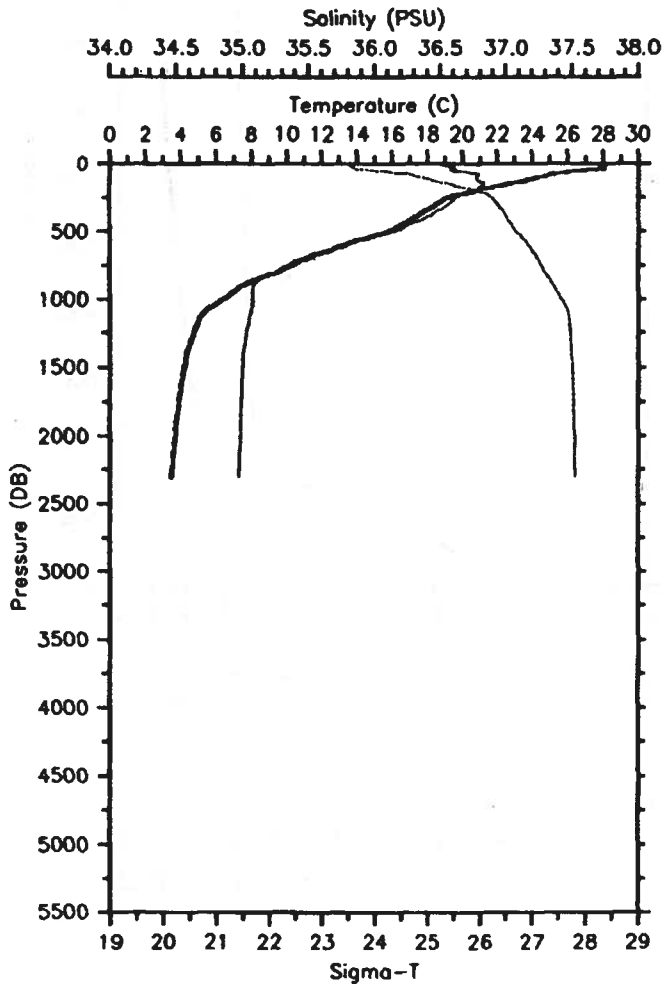
BAL-STACS36-90 CTD 24. BALDRIGE

Date 06 27 90 Latitude 24.253N
Time 2149 Z Longitude 74.325W



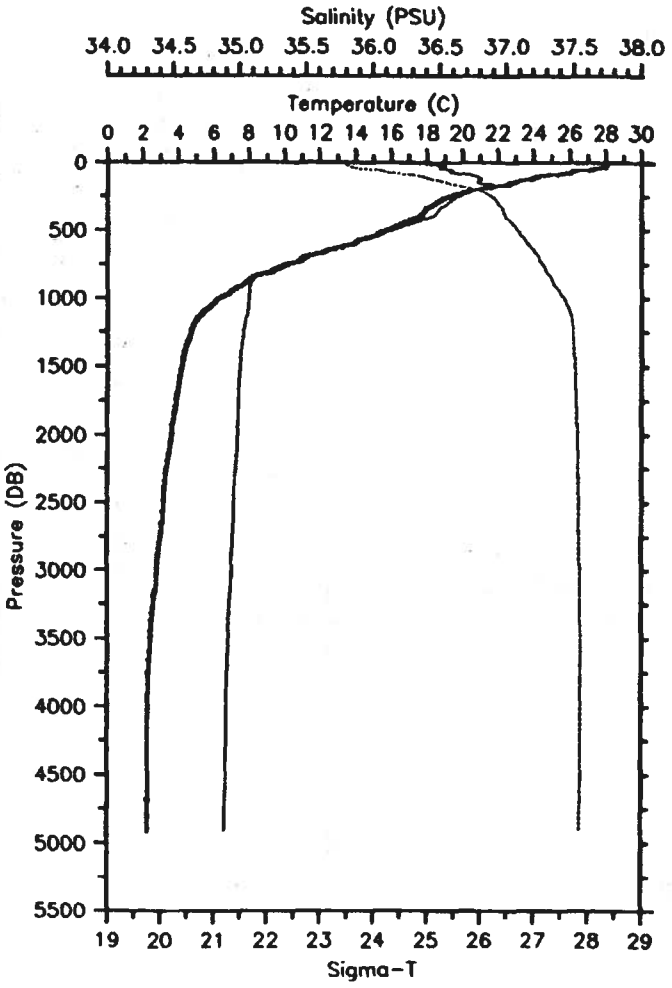
Prs	Tem	Sal	SigT
0	27.88	36.506	23.568
10	28.04	36.560	23.558
20	28.03	36.605	23.593
30	27.83	36.598	23.655
40	26.74	36.542	23.966
50	26.06	36.636	24.252
60	25.40	36.716	24.518
70	25.11	36.745	24.628
80	24.67	36.771	24.782
90	24.28	36.774	24.902
100	24.00	36.788	24.982
110	23.65	36.788	25.088
120	23.34	36.791	25.194
130	23.05	36.801	25.288
140	22.59	36.783	25.405
150	22.20	36.776	25.512
160	21.94	36.798	25.603
170	21.45	36.759	25.710
180	21.32	36.803	25.779
190	20.67	36.789	25.933
200	20.25	36.717	26.006
250	19.11	36.614	26.227
300	18.44	36.546	26.346
350	17.93	36.467	26.429
400	17.40	36.413	26.504
450	16.87	36.335	26.573
500	15.81	36.180	26.685
550	14.83	36.009	26.788
600	13.78	35.841	26.885
650	12.67	35.686	26.978
700	11.69	35.531	27.061
750	10.72	35.408	27.143
800	9.38	35.245	27.249
850	8.41	35.151	27.330
900	7.52	35.098	27.422
950	6.89	35.081	27.498
1000	6.27	35.076	27.579
1500	4.17	34.997	27.766
2000	3.73	34.982	27.800
2500	3.31	34.961	27.825
3000	2.93	34.940	27.843
3500	2.58	34.921	27.860
4000	2.38	34.904	27.863
4500	2.34	34.897	27.862
4905	2.33	34.890	27.857

BAL-STACS36-90 CTD 25 BALDRIGE
Date 06 28 90 Latitude 24.257N
Time 0034 Z Longitude 74.452W



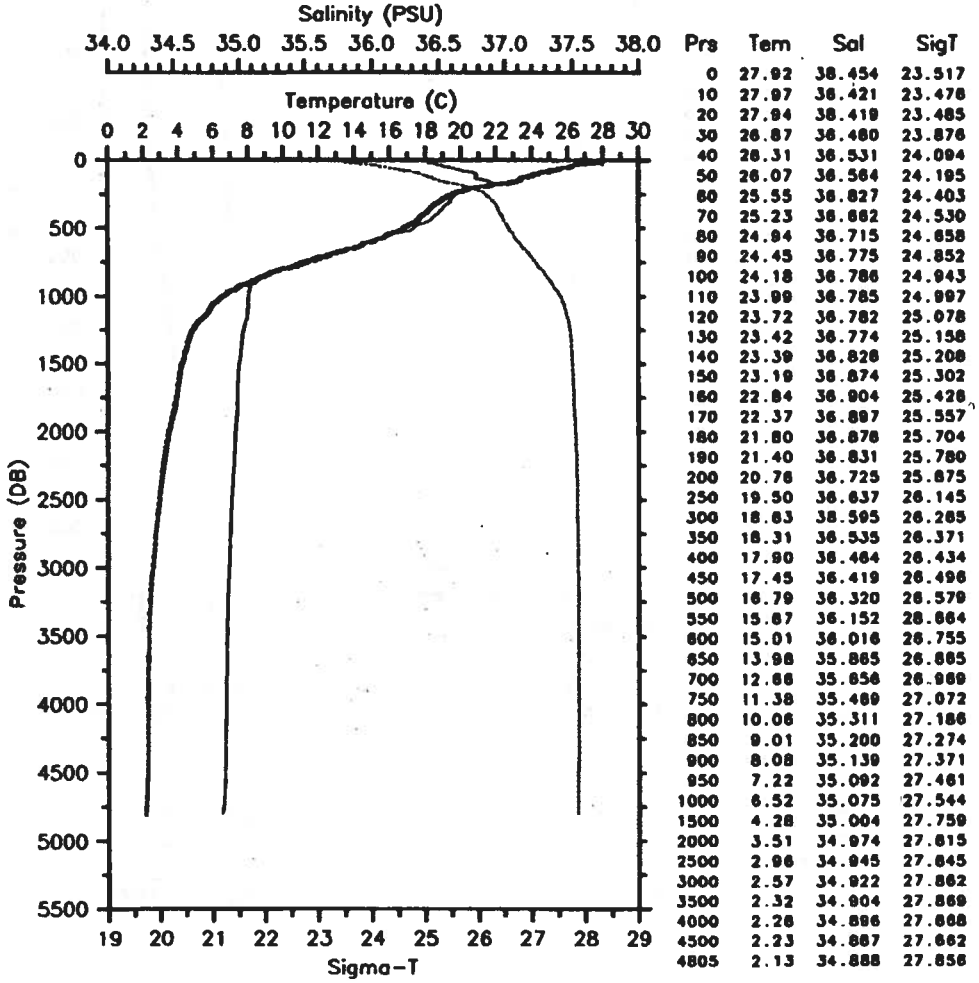
Prs	Tem	Sal	SigT
0	27.78	36.551	23.636
10	27.99	36.526	23.550
20	28.06	36.585	23.571
30	28.05	36.606	23.588
40	27.83	36.586	23.648
50	26.78	36.592	23.989
60	26.03	36.701	24.310
70	25.39	36.782	24.571
80	24.99	36.789	24.697
90	24.74	36.775	24.764
100	24.26	36.771	24.899
110	23.89	36.777	24.993
120	23.65	36.783	25.097
130	23.44	36.795	25.170
140	22.97	36.827	25.331
150	22.49	36.833	25.472
160	22.25	36.822	25.532
170	21.79	36.796	25.644
180	21.40	36.831	25.778
190	20.94	36.822	25.900
200	20.46	36.773	25.993
250	19.08	36.822	26.248
300	18.49	36.583	26.347
350	17.82	36.473	26.447
400	17.24	36.390	26.526
450	16.45	36.262	26.614
500	15.72	36.150	26.697
550	14.43	35.948	26.829
600	13.26	35.781	26.931
650	12.08	35.584	27.029
700	11.12	35.449	27.103
750	10.32	35.343	27.165
800	9.52	35.258	27.235
850	8.16	35.131	27.353
900	7.40	35.083	27.428
950	6.91	35.072	27.488
1000	6.36	35.073	27.564
1500	4.20	34.999	27.765
2000	3.70	34.982	27.803
2305	3.47	34.971	27.818

BAL-STACS36-90 CTD 26 BALDRIGE
Date 06 28 90 Latitude 24.433N
Time 0401 Z Longitude 74.538W



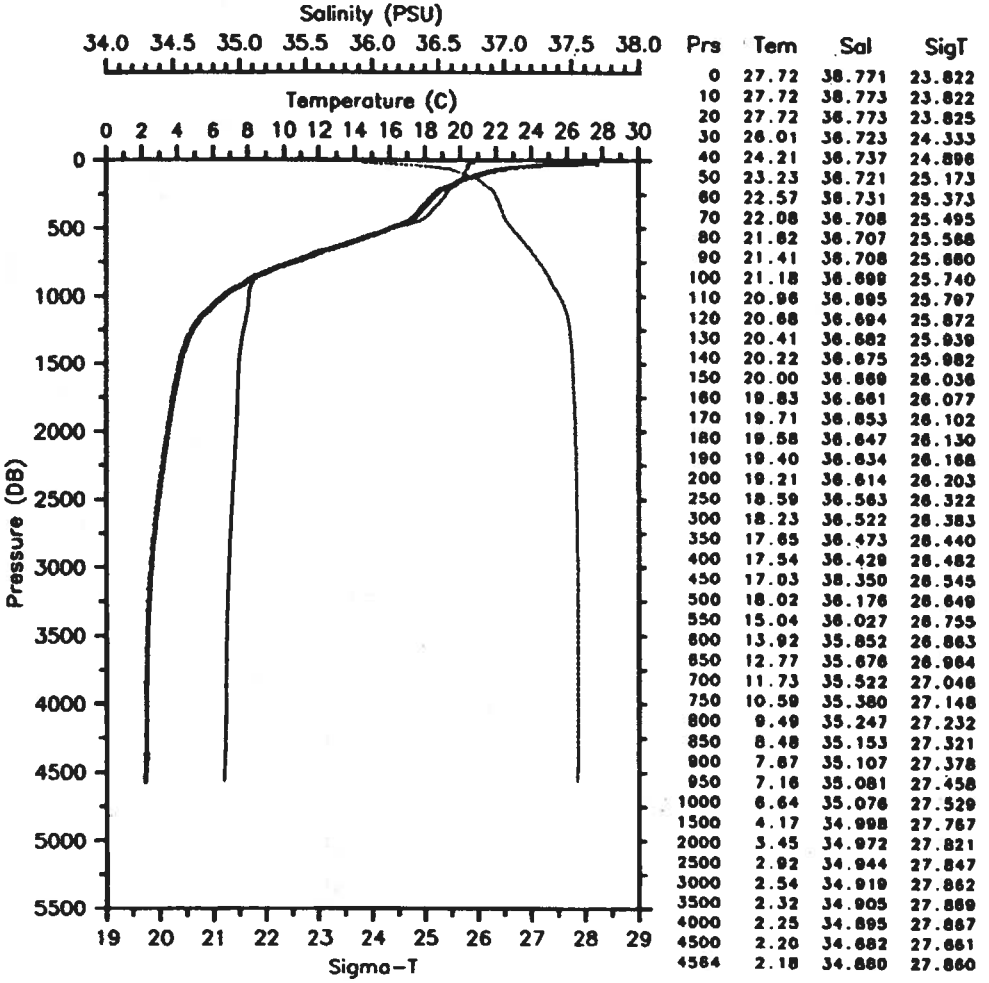
Prs	Tem	Sal	SigT
0	27.86	32.341	20.445
10	27.92	36.341	23.433
20	27.98	36.462	23.504
30	28.05	36.537	23.538
40	27.61	36.513	23.662
50	27.16	36.536	23.827
60	26.16	36.570	24.170
70	26.03	36.578	24.217
80	25.56	36.643	24.414
90	24.81	36.740	24.716
100	24.31	36.781	24.899
110	24.04	36.797	24.991
120	23.89	36.812	25.050
130	23.38	36.798	25.187
140	22.98	36.783	25.293
150	22.66	36.788	25.391
160	22.66	36.899	25.476
170	21.98	36.865	25.644
180	21.64	36.840	25.720
190	21.18	36.827	25.843
200	20.72	36.784	25.931
250	19.27	36.646	26.212
300	18.52	36.585	26.342
350	17.95	36.493	26.430
400	17.57	36.443	26.484
450	16.56	36.290	26.605
500	15.68	36.146	26.703
550	14.71	35.991	26.801
600	13.83	35.849	26.880
650	12.38	35.625	27.005
700	11.22	35.455	27.091
750	10.23	35.323	27.184
800	9.43	35.224	27.224
850	8.22	35.109	27.327
900	7.70	35.083	27.384
950	6.95	35.068	27.479
1000	6.31	35.066	27.566
1500	4.21	35.000	27.764
2000	3.64	34.980	27.807
2500	3.17	34.954	27.833
3000	2.78	34.933	27.852
3500	2.44	34.911	27.864
4000	2.28	34.897	27.887
4500	2.27	34.891	27.862
4910	2.27	34.883	27.856

BAL-STACS36-90 CTD 27 BALDRIGE
Date 06 28 90 Latitude 24.967N
Time 0936 Z Longitude 74.735W



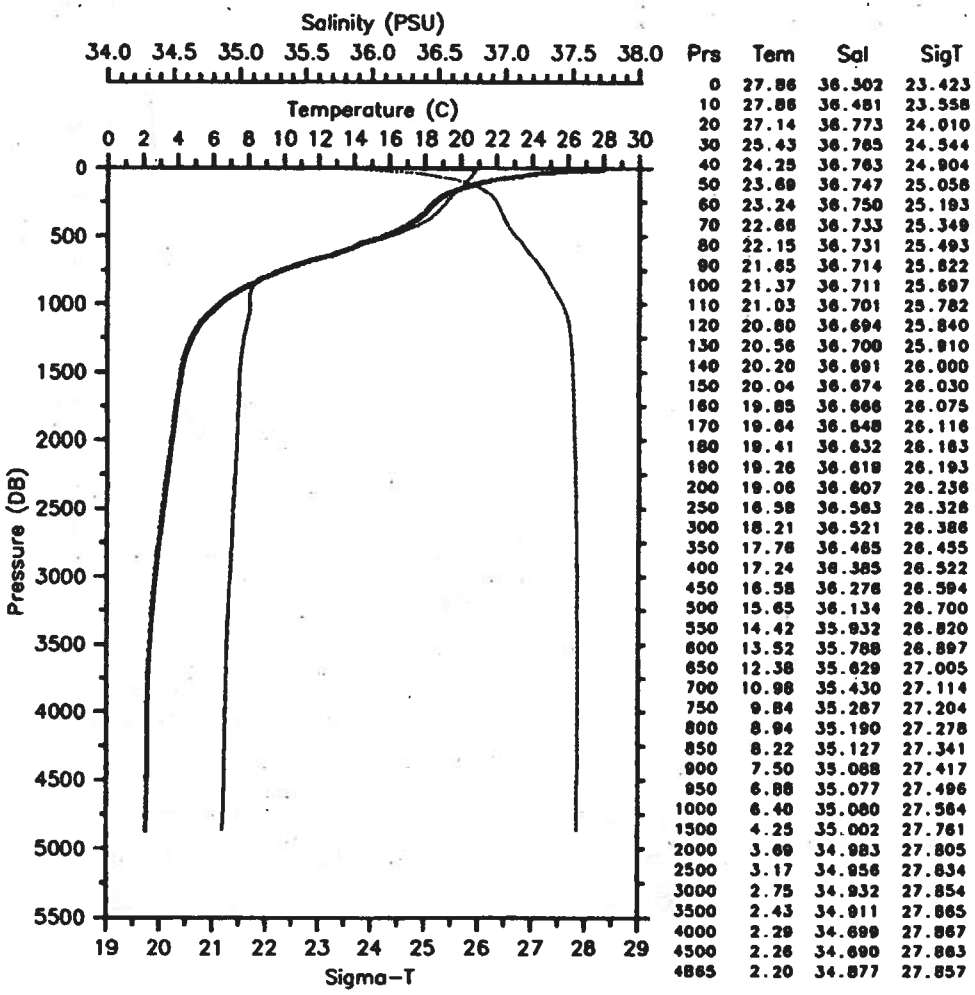
Prs	Tem	Sal	SigT
0	27.92	36.454	23.517
10	27.97	36.421	23.478
20	27.94	36.419	23.485
30	26.87	36.480	23.876
40	26.31	36.531	24.094
50	26.07	36.564	24.195
60	25.55	36.627	24.403
70	25.23	36.662	24.530
80	24.94	36.715	24.658
90	24.45	36.775	24.852
100	24.18	36.786	24.943
110	23.99	36.785	24.997
120	23.72	36.782	25.078
130	23.42	36.774	25.158
140	23.39	36.828	25.208
150	23.19	36.874	25.302
160	22.84	36.904	25.428
170	22.37	36.897	25.557
180	21.80	36.878	25.704
190	21.40	36.831	25.780
200	20.76	36.725	25.875
250	19.50	36.637	26.145
300	18.83	36.595	26.285
350	18.31	36.535	26.371
400	17.90	36.464	26.434
450	17.45	36.419	26.496
500	16.79	36.320	26.579
550	15.87	36.152	26.664
600	15.01	36.016	26.755
650	13.98	35.865	26.865
700	12.66	35.658	26.969
750	11.38	35.469	27.072
800	10.06	35.311	27.186
850	9.01	35.200	27.274
900	8.08	35.139	27.371
950	7.22	35.092	27.461
1000	6.52	35.075	27.544
1500	4.28	35.004	27.759
2000	3.51	34.974	27.815
2500	2.96	34.945	27.845
3000	2.57	34.922	27.862
3500	2.32	34.904	27.869
4000	2.26	34.896	27.868
4500	2.23	34.887	27.862
4805	2.13	34.888	27.858

BAL-STACS36-90 CTD 28 BALDRIGE
Date 06 28 90 Latitude 25.502N
Time 1505 Z Longitude 75.002W



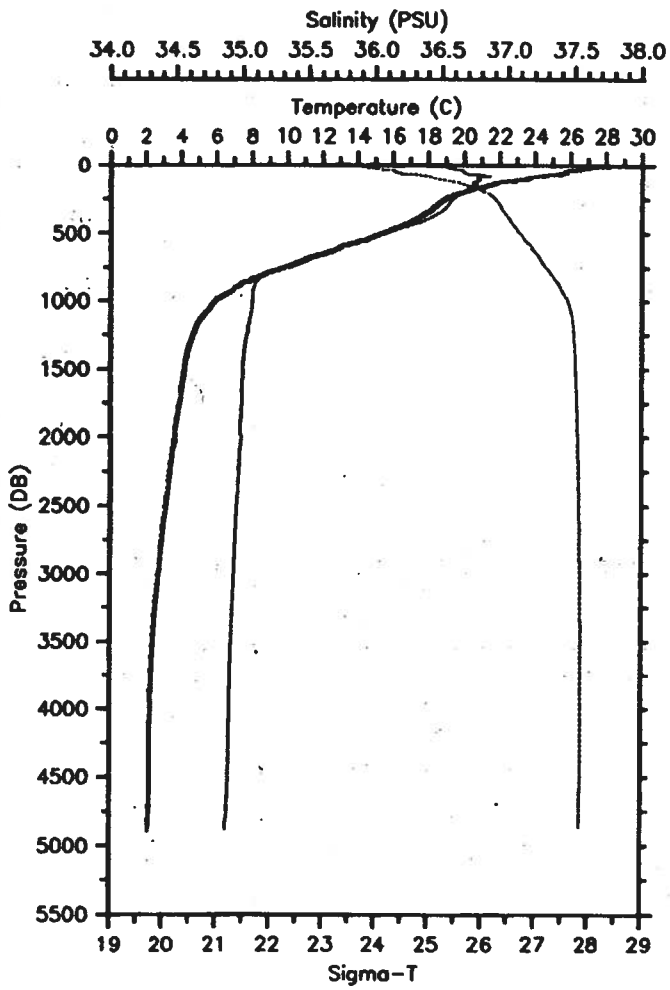
Prs	Tem	Sal	SigT
0	27.72	36.771	23.622
10	27.72	36.773	23.622
20	27.72	36.773	23.625
30	26.01	36.723	24.333
40	24.21	36.737	24.896
50	23.23	36.721	25.173
60	22.57	36.731	25.373
70	22.08	36.708	25.495
80	21.82	36.707	25.568
90	21.41	36.708	25.680
100	21.18	36.698	25.740
110	20.96	36.695	25.797
120	20.68	36.694	25.872
130	20.41	36.682	25.939
140	20.22	36.675	25.982
150	20.00	36.669	26.036
160	19.83	36.661	26.077
170	19.71	36.653	26.102
180	19.58	36.647	26.130
190	19.40	36.634	26.168
200	19.21	36.614	26.203
250	18.59	36.563	26.322
300	18.23	36.522	26.383
350	17.65	36.473	26.440
400	17.54	36.428	26.482
450	17.03	36.350	26.545
500	16.02	36.176	26.649
550	15.04	36.027	26.755
600	13.92	35.852	26.863
650	12.77	35.676	26.964
700	11.73	35.522	27.048
750	10.59	35.380	27.148
800	9.49	35.247	27.232
850	8.48	35.153	27.321
900	7.67	35.107	27.378
950	7.16	35.081	27.458
1000	6.64	35.076	27.529
1500	4.17	34.998	27.767
2000	3.45	34.972	27.821
2500	2.92	34.944	27.847
3000	2.54	34.919	27.862
3500	2.32	34.905	27.869
4000	2.25	34.895	27.867
4500	2.20	34.882	27.861
4564	2.18	34.880	27.860

BAL-STACS36-90 CTD 29 BALDRIGE
Date 06 28 90 Latitude 25.500N
Time 2157 Z Longitude 75.843W



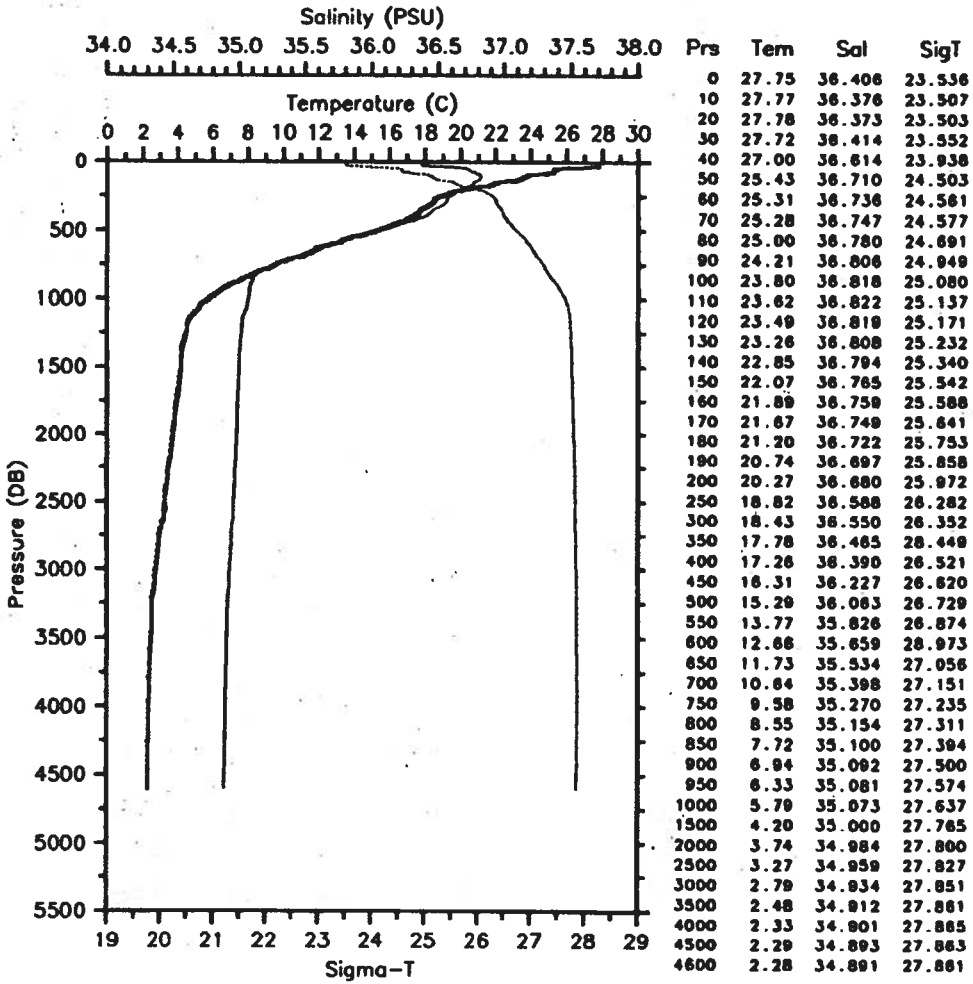
Prs	Tem	Sal	SigT
0	27.86	36.502	23.423
10	27.86	36.481	23.558
20	27.14	36.773	24.010
30	25.43	36.765	24.544
40	24.25	36.763	24.904
50	23.69	36.747	25.058
60	23.24	36.750	25.193
70	22.66	36.733	25.349
80	22.15	36.731	25.493
90	21.65	36.714	25.622
100	21.37	36.711	25.697
110	21.03	36.701	25.782
120	20.80	36.694	25.840
130	20.56	36.700	25.910
140	20.20	36.691	26.000
150	20.04	36.674	26.030
160	19.85	36.666	26.075
170	19.64	36.648	26.116
180	19.41	36.632	26.163
190	19.26	36.618	26.193
200	19.06	36.607	26.236
250	18.58	36.563	26.328
300	18.21	36.521	26.386
350	17.76	36.485	26.455
400	17.24	36.385	26.522
450	16.58	36.278	26.594
500	15.65	36.134	26.700
550	14.42	35.932	26.820
600	13.52	35.788	26.897
650	12.38	35.629	27.005
700	10.98	35.430	27.114
750	9.84	35.287	27.204
800	8.94	35.190	27.278
850	8.22	35.127	27.341
900	7.50	35.088	27.417
950	6.88	35.077	27.496
1000	6.40	35.080	27.564
1500	4.25	35.002	27.761
2000	3.69	34.983	27.805
2500	3.17	34.956	27.834
3000	2.75	34.932	27.854
3500	2.43	34.911	27.865
4000	2.29	34.899	27.867
4500	2.26	34.890	27.863
4865	2.20	34.877	27.857

BAL-STACS36-90 CTD 30 BALDRIGE
Date 06 29 90 Latitude 25.490N
Time 0247 Z Longitude 76.188W



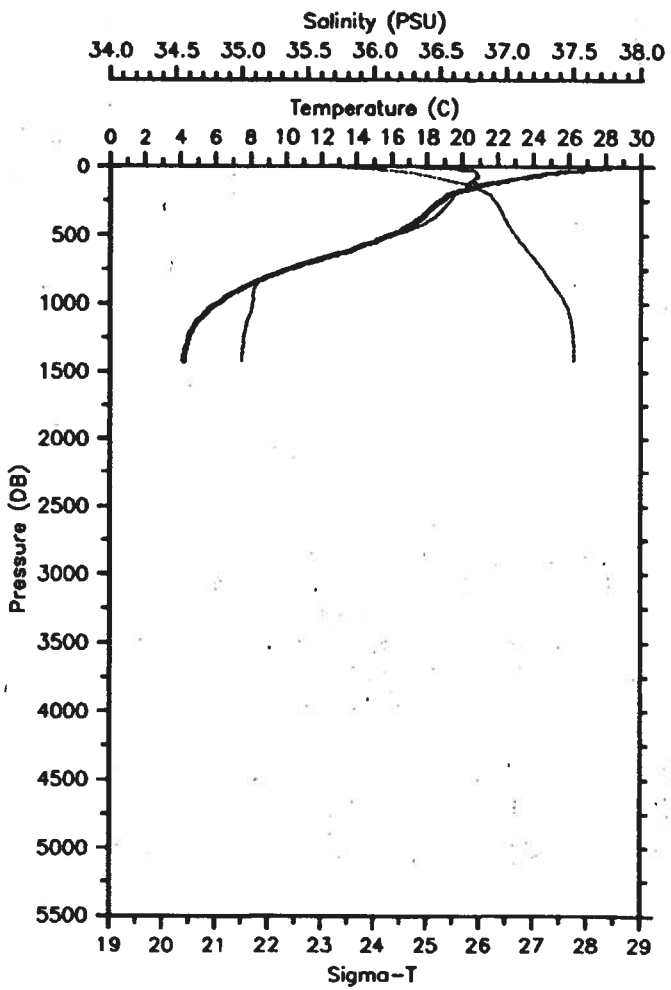
Prs	Tem	Sal	SigT
0	27.96	36.468	23.513
10	27.69	36.484	23.615
20	26.93	36.550	23.910
30	26.46	36.603	24.101
40	25.77	36.659	24.360
50	25.68	36.659	24.387
60	25.41	36.679	24.467
70	24.73	36.790	24.781
80	24.19	36.847	24.985
90	23.88	36.789	25.079
100	23.41	36.777	25.164
110	22.87	36.788	25.329
120	22.28	36.746	25.468
130	21.80	36.748	25.605
140	21.52	36.759	25.693
150	21.24	36.724	25.742
160	21.08	36.713	25.783
170	20.65	36.697	25.885
180	20.36	36.682	25.951
190	20.18	36.675	25.995
200	19.87	36.662	26.066
250	18.91	36.590	26.281
300	18.40	36.545	26.356
350	17.87	36.478	26.438
400	17.21	36.383	26.527
450	16.37	36.245	26.620
500	15.29	36.070	26.734
550	14.29	35.914	26.832
600	12.98	35.706	26.944
650	12.00	35.571	27.034
700	10.85	35.412	27.123
750	9.77	35.283	27.213
800	8.68	35.174	27.306
850	7.71	35.105	27.400
900	7.05	35.077	27.473
950	6.55	35.072	27.537
1000	5.93	35.089	27.617
1500	4.21	35.001	27.765
2000	3.71	34.989	27.807
2500	3.19	34.956	27.832
3000	2.76	34.933	27.853
3500	2.45	34.914	27.865
4000	2.30	34.900	27.866
4500	2.27	34.892	27.863
4884	2.20	34.877	27.857

BAL-STACS36-90 CTD 31 BALDRIGE
Date 06 29 90 Latitude 25.507N
Time 0702 Z Longitude 76.347W



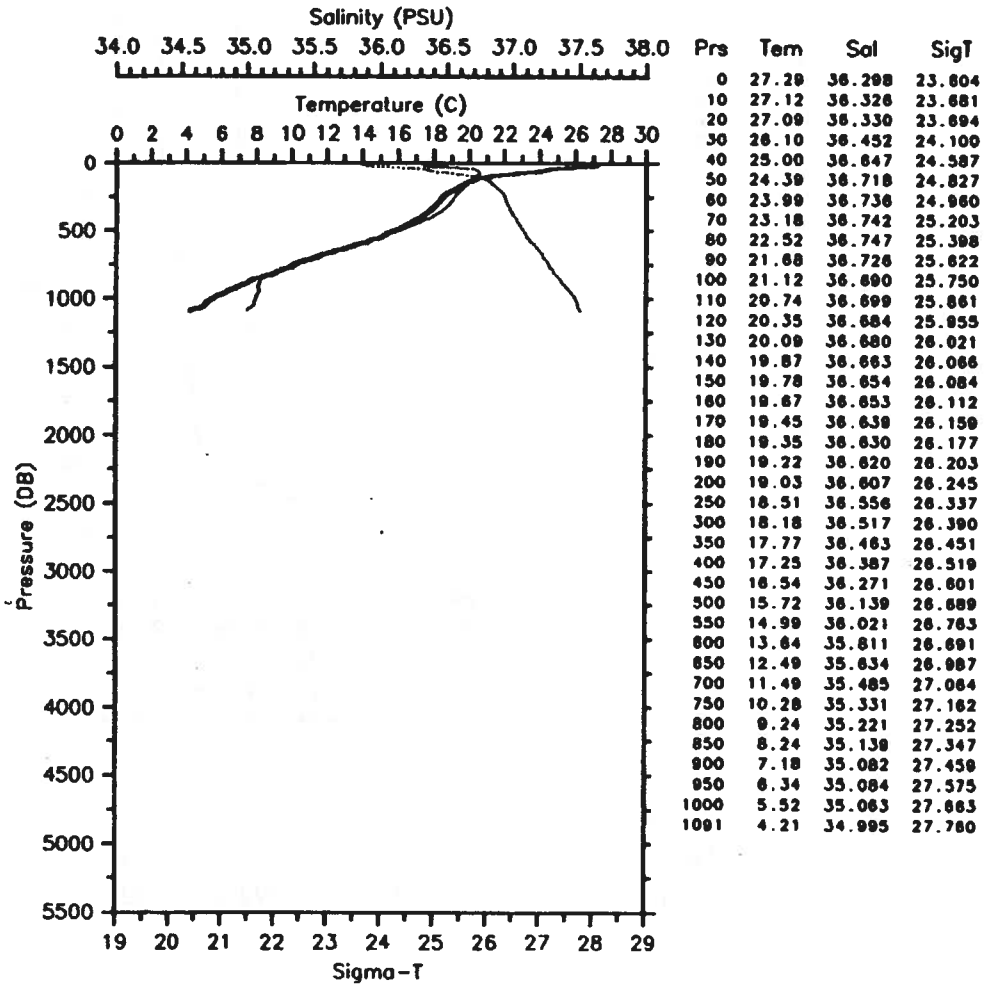
Prs	Tem	Sal	SigT
0	27.75	36.406	23.536
10	27.77	36.376	23.507
20	27.78	36.373	23.503
30	27.72	36.414	23.552
40	27.00	36.614	23.938
50	25.43	36.710	24.503
60	25.31	36.736	24.561
70	25.28	36.747	24.577
80	25.00	36.780	24.691
90	24.21	36.806	24.949
100	23.80	36.818	25.080
110	23.62	36.822	25.137
120	23.49	36.819	25.171
130	23.26	36.808	25.232
140	22.85	36.794	25.340
150	22.07	36.765	25.542
160	21.89	36.759	25.588
170	21.67	36.749	25.641
180	21.20	36.722	25.753
190	20.74	36.697	25.858
200	20.27	36.680	25.972
250	18.82	36.588	26.282
300	18.43	36.550	26.352
350	17.78	36.465	26.449
400	17.26	36.390	26.521
450	16.31	36.227	26.620
500	15.29	36.063	26.729
550	13.77	35.826	26.874
600	12.66	35.659	26.973
650	11.73	35.534	27.056
700	10.64	35.398	27.151
750	9.58	35.270	27.235
800	8.55	35.154	27.311
850	7.72	35.100	27.394
900	6.94	35.092	27.500
950	6.33	35.081	27.574
1000	5.79	35.073	27.637
1500	4.20	35.000	27.765
2000	3.74	34.984	27.800
2500	3.27	34.959	27.827
3000	2.79	34.934	27.851
3500	2.48	34.912	27.861
4000	2.33	34.901	27.865
4500	2.29	34.893	27.863
4600	2.28	34.891	27.861

BAL-STACS36-90 CTD 32 BALDRIGE
Date 06 30 90 Latitude 26.492N
Time 0006 Z Longitude 76.738W



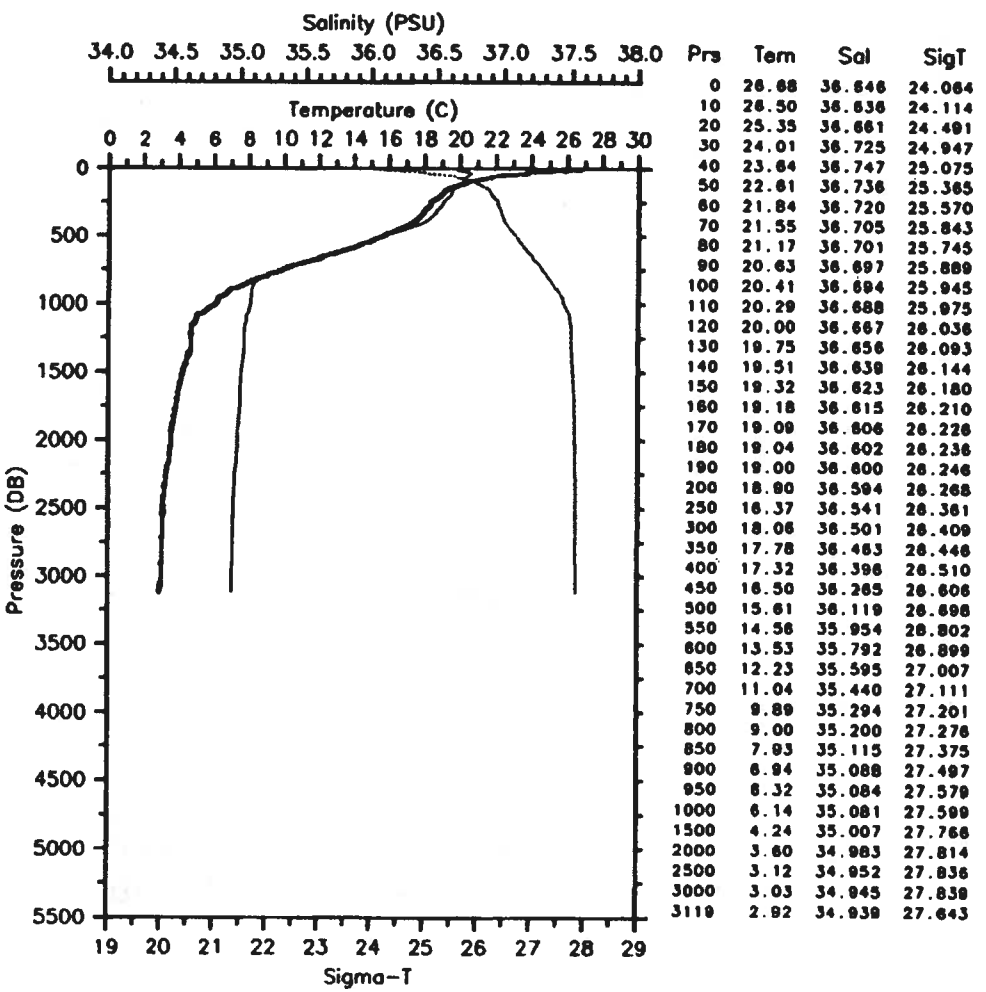
Prs	Tem	Sal	SigT
0	28.24	36.339	23.326
10	28.03	36.319	23.380
20	27.19	36.626	23.886
30	26.61	36.744	24.159
40	25.48	36.770	24.533
50	24.83	36.778	24.740
60	24.46	36.780	24.855
70	23.92	36.782	25.018
80	23.59	36.793	25.122
90	23.08	36.786	25.251
100	22.61	36.752	25.379
110	22.25	36.732	25.466
120	21.88	36.777	25.603
130	21.31	36.706	25.709
140	21.00	36.693	25.785
150	20.80	36.711	25.852
160	20.56	36.728	25.933
170	20.28	36.709	25.991
180	19.85	36.667	26.049
190	19.65	36.649	26.114
200	19.43	36.633	26.159
250	18.83	36.584	26.278
300	18.31	36.533	26.369
350	17.90	36.484	26.435
400	17.38	36.411	26.503
450	16.72	36.301	26.581
500	15.84	36.155	26.673
550	15.00	36.021	26.760
600	13.87	35.844	26.868
650	12.58	35.641	26.975
700	11.34	35.477	27.086
750	10.07	35.320	27.190
800	9.02	35.197	27.269
850	8.17	35.133	27.353
900	7.37	35.090	27.437
950	6.62	35.082	27.536
1000	6.11	35.080	27.602
1428	4.19	35.002	27.767

BAL-STACS36-90 CTD 33 BALDRIGE
Date 06 30 90 Latitude 28.995N
Time 1302 Z Longitude 77.005W



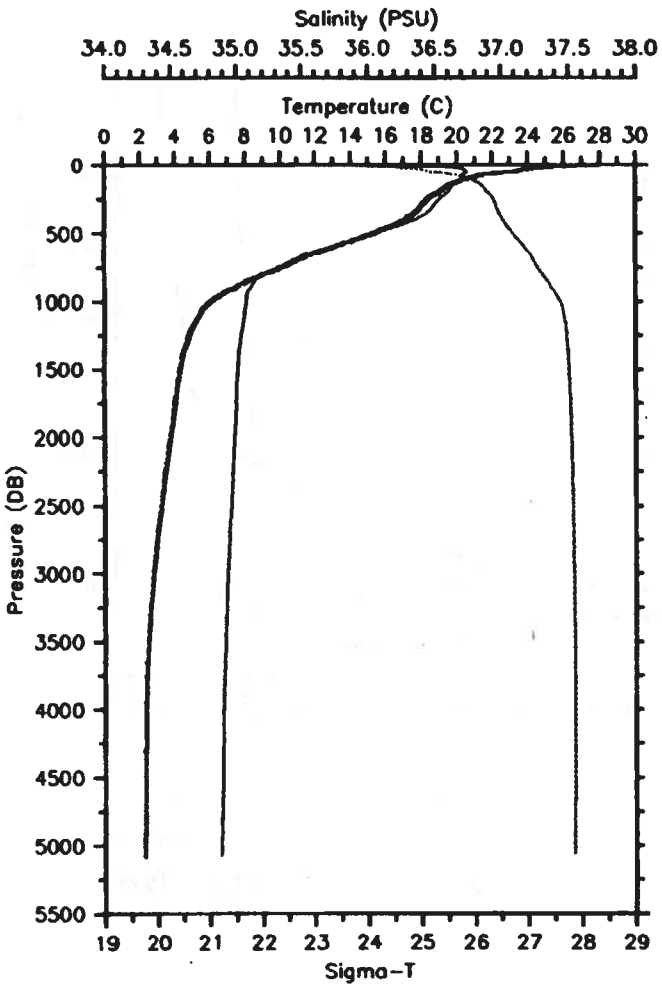
Prs	Tem	Sal	SigT
0	27.29	36.298	23.604
10	27.12	36.326	23.681
20	27.09	36.330	23.694
30	26.10	36.452	24.100
40	25.00	36.647	24.587
50	24.39	36.718	24.827
60	23.99	36.736	24.960
70	23.18	36.742	25.203
80	22.52	36.747	25.398
90	21.68	36.726	25.622
100	21.12	36.690	25.750
110	20.74	36.699	25.861
120	20.35	36.684	25.955
130	20.09	36.680	26.021
140	19.87	36.663	26.066
150	19.78	36.654	26.084
160	19.67	36.653	26.112
170	19.45	36.638	26.159
180	19.35	36.630	26.177
190	19.22	36.620	26.203
200	19.03	36.607	26.245
250	18.51	36.556	26.337
300	18.18	36.517	26.390
350	17.77	36.463	26.451
400	17.25	36.387	26.519
450	16.54	36.271	26.601
500	15.72	36.139	26.689
550	14.99	36.021	26.763
600	13.64	35.811	26.891
650	12.49	35.634	26.987
700	11.49	35.485	27.064
750	10.28	35.331	27.162
800	9.24	35.221	27.252
850	8.24	35.138	27.347
900	7.18	35.082	27.458
950	6.34	35.084	27.575
1000	5.52	35.083	27.683
1091	4.21	34.995	27.780

BAL-STACS36-90 CTD 34 BALDRIGE
Date 06 30 90 Latitude 28.990N
Time 1550 Z Longitude 76.748W



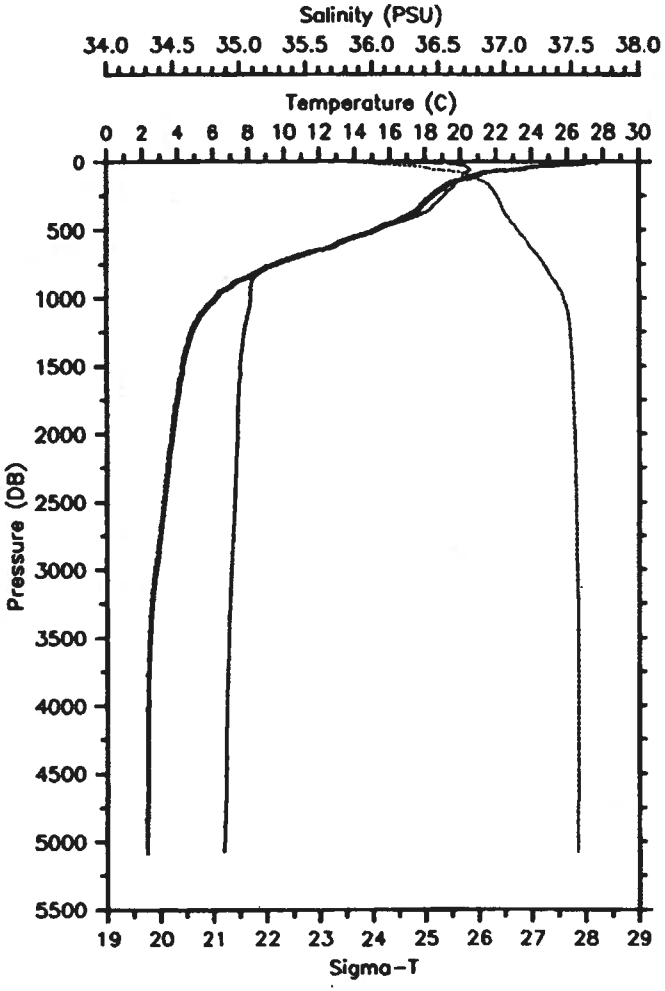
Prs	Tem	Sal	SigT
0	26.68	36.646	24.064
10	26.50	36.636	24.114
20	25.35	36.661	24.491
30	24.01	36.725	24.947
40	23.64	36.747	25.075
50	22.61	36.736	25.365
60	21.84	36.720	25.570
70	21.55	36.705	25.643
80	21.17	36.701	25.745
90	20.63	36.697	25.889
100	20.41	36.694	25.945
110	20.29	36.688	25.975
120	20.00	36.667	26.036
130	19.75	36.656	26.093
140	19.51	36.638	26.144
150	19.32	36.623	26.180
160	19.18	36.615	26.210
170	19.09	36.606	26.226
180	19.04	36.602	26.236
190	19.00	36.600	26.246
200	18.90	36.594	26.268
250	18.37	36.541	26.361
300	18.06	36.501	26.409
350	17.78	36.463	26.446
400	17.32	36.396	26.510
450	16.50	36.285	26.606
500	15.61	36.119	26.698
550	14.56	35.954	26.802
600	13.53	35.792	26.899
650	12.23	35.595	27.007
700	11.04	35.440	27.111
750	9.89	35.294	27.201
800	9.00	35.200	27.278
850	7.93	35.115	27.375
900	6.94	35.088	27.497
950	6.32	35.084	27.579
1000	6.14	35.081	27.599
1500	4.24	35.007	27.768
2000	3.60	34.983	27.814
2500	3.12	34.952	27.836
3000	3.03	34.945	27.838
3119	2.92	34.938	27.843

BAL-STACS36-90 CTD 35 BALDRIGE
Date 06 30 90 Latitude 28.995N
Time 2030 Z Longitude 76.310W



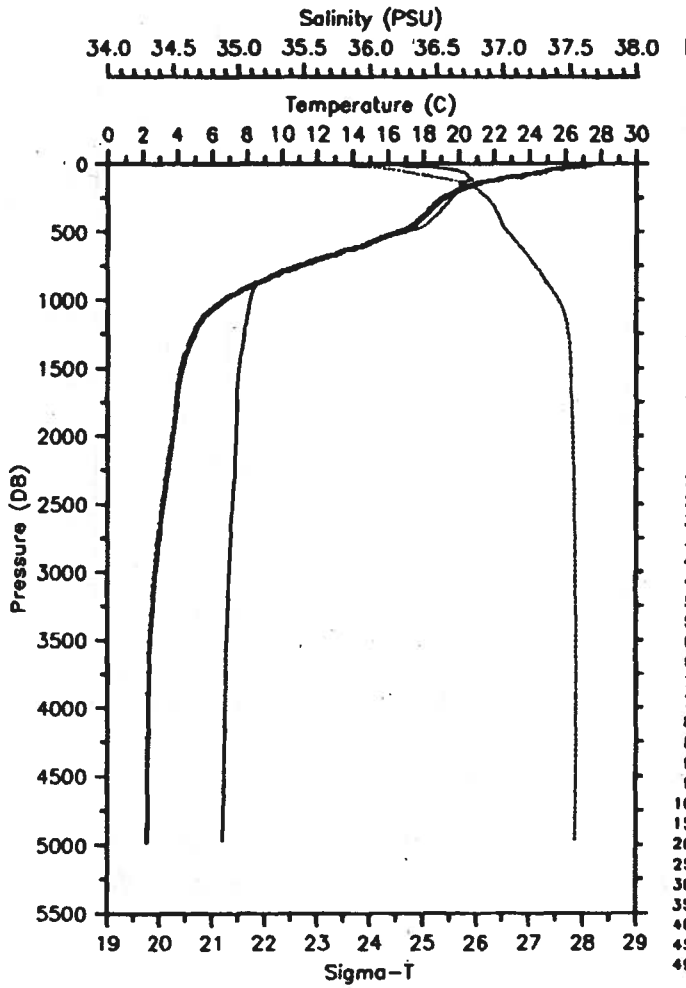
Prs	Tem	Sal	SigT
0	27.91	36.389	23.472
10	26.47	36.431	23.966
20	25.13	36.634	24.536
30	24.13	36.716	24.904
40	23.56	36.721	25.076
50	23.30	36.750	25.176
60	22.28	36.736	25.460
70	21.48	36.706	25.662
80	21.13	36.697	25.754
90	20.84	36.703	25.835
100	20.57	36.708	25.913
110	20.27	36.691	25.981
120	20.13	36.686	26.015
130	19.85	36.674	26.079
140	19.65	36.653	26.116
150	19.51	36.640	26.143
160	19.39	36.631	26.169
170	19.29	36.625	26.190
180	19.16	36.615	26.212
190	19.09	36.609	26.229
200	18.98	36.600	26.258
250	18.36	36.541	26.358
300	18.02	36.497	26.415
350	17.66	36.446	26.464
400	17.10	36.364	26.539
450	16.25	36.224	26.634
500	15.24	36.054	26.732
550	14.15	35.880	26.837
600	13.05	35.714	26.938
650	11.75	35.535	27.053
700	10.93	35.421	27.117
750	10.03	35.309	27.189
800	8.99	35.203	27.280
850	8.13	35.143	27.368
900	7.47	35.114	27.442
950	6.64	35.084	27.536
1000	6.08	35.083	27.608
1500	4.32	35.013	27.762
2000	3.74	34.988	27.803
2500	3.23	34.962	27.833
3000	2.79	34.936	27.853
3500	2.47	34.915	27.865
4000	2.33	34.903	27.868
4500	2.29	34.898	27.865
5000	2.25	34.882	27.857
5078	2.25	34.880	27.855

BAL-STACS36-90 CTD 36 BALDRIGE
Date 07 01 90 Latitude 29.018N
Time 0204 Z Longitude 75.735W



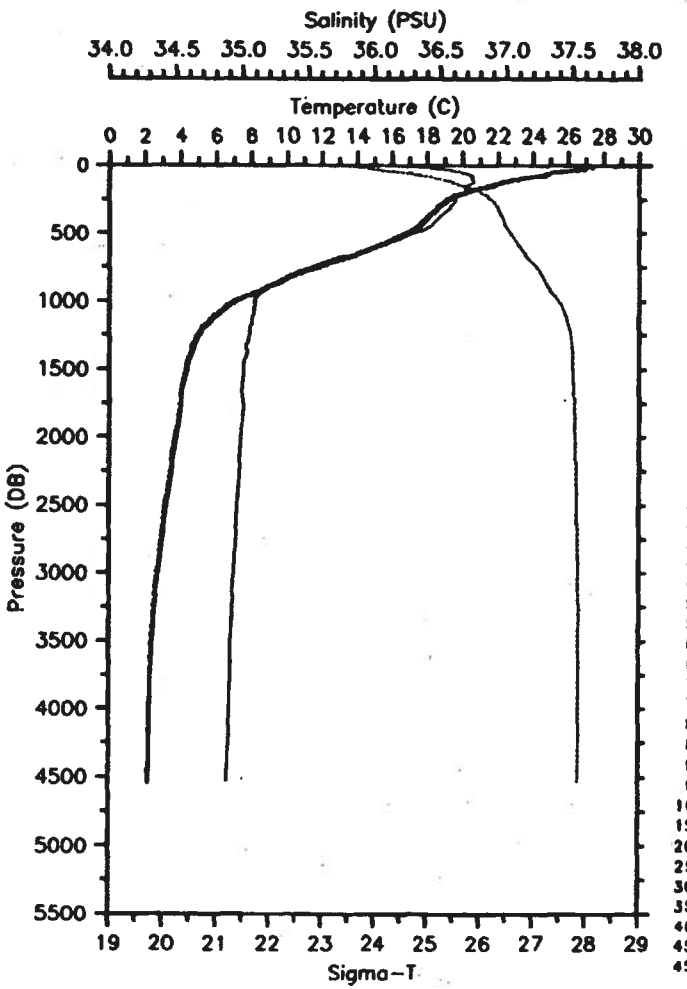
Prs	Tem	Sal	SigT
0	27.61	36.323	23.521
10	26.91	36.360	23.774
20	26.52	36.626	24.099
30	25.09	36.692	24.594
40	24.08	36.725	24.931
50	23.60	36.729	25.070
60	23.10	36.745	25.231
70	22.07	36.736	25.521
80	21.42	36.705	25.677
90	21.10	36.692	25.757
100	20.88	36.687	25.812
110	20.65	36.686	25.877
120	20.52	36.688	25.913
130	20.31	36.694	25.972
140	19.87	36.665	26.068
150	19.59	36.646	26.126
160	19.42	36.631	26.160
170	19.23	36.623	26.204
180	19.15	36.618	26.222
190	19.08	36.617	26.238
200	18.91	36.604	26.273
250	18.43	36.544	26.349
300	17.98	36.490	26.419
350	17.64	36.442	26.468
400	16.96	36.340	26.553
450	16.08	36.193	26.649
500	15.17	36.044	26.741
550	13.98	35.881	26.859
600	13.06	35.720	26.940
650	11.86	35.547	27.040
700	10.63	35.382	27.141
750	9.53	35.252	27.228
800	8.68	35.163	27.312
850	7.90	35.113	27.378
900	7.12	35.088	27.471
950	6.48	35.081	27.556
1000	6.18	35.082	27.594
1500	4.28	35.006	27.760
2000	3.70	34.985	27.805
2500	3.22	34.960	27.832
3000	2.76	34.933	27.864
3500	2.41	34.911	27.887
4000	2.30	34.901	27.888
4500	2.27	34.893	27.884
5000	2.24	34.880	27.856
5076	2.24	34.878	27.854

BAL-STACS36-90 CTD 37 BALDRIGE
Date 07 01 90 Latitude 29.003N
Time 0746 Z Longitude 75.182W



Prs	Tem	Sal	SigT
0	27.38	36.028	23.373
10	27.15	36.173	23.556
20	27.01	36.293	23.692
30	26.04	36.511	24.183
40	25.58	36.587	24.365
50	25.02	36.659	24.590
60	24.68	36.690	24.719
70	24.33	36.722	24.848
80	23.81	36.733	25.014
90	23.51	36.735	25.104
100	22.98	36.751	25.275
110	22.42	36.757	25.436
120	22.14	36.774	25.527
130	21.43	36.701	25.672
140	21.00	36.680	25.774
150	20.91	36.700	25.815
160	20.68	36.682	25.868
170	20.39	36.681	25.942
180	20.21	36.676	25.986
190	20.01	36.671	26.036
200	19.83	36.661	26.075
250	19.12	36.613	26.226
300	18.65	36.570	26.312
350	18.30	36.529	26.370
400	17.86	36.473	26.437
450	17.42	36.409	26.495
500	16.60	36.278	26.591
550	15.52	36.107	26.709
600	14.62	35.965	26.800
650	13.33	35.748	26.905
700	12.15	35.581	27.012
750	11.01	35.433	27.111
800	9.91	35.291	27.195
850	8.96	35.199	27.280
900	8.11	35.131	27.360
950	7.31	35.104	27.458
1000	6.64	35.093	27.542
1500	4.29	35.007	27.760
2000	3.74	34.987	27.803
2500	3.19	34.958	27.834
3000	2.76	34.933	27.854
3500	2.44	34.913	27.865
4000	2.32	34.901	27.867
4500	2.26	34.894	27.864
4968	2.24	34.880	27.856

BAL-STACS36-90 CTD 38 BALDRIGE
Date 07 01 90 Latitude 28.997N
Time 1301 Z Longitude 74.642W

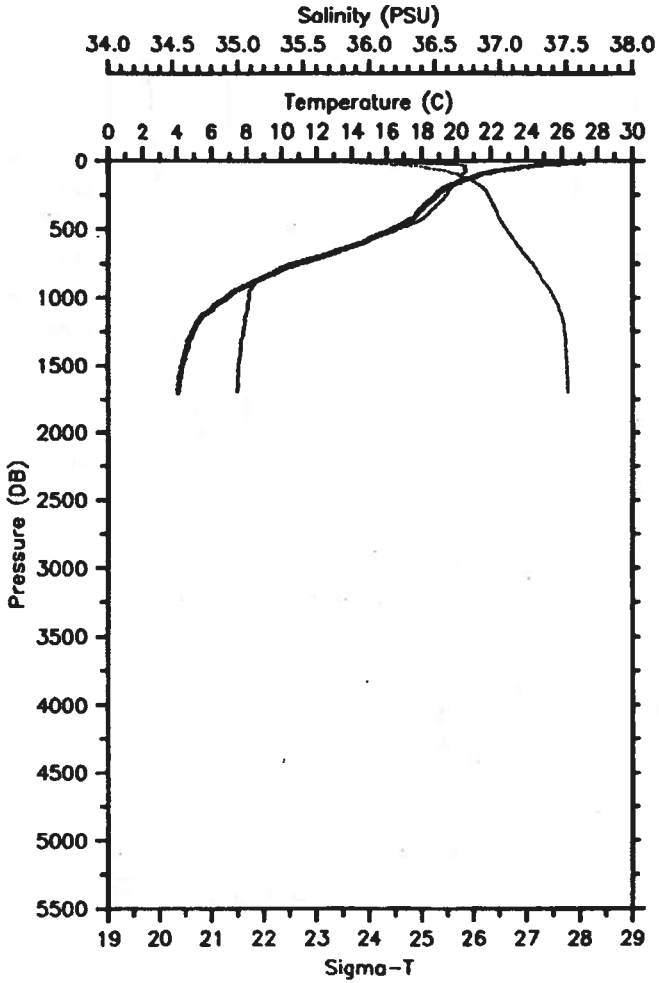


Prs	Tem	Sal	SigT
0	27.37	36.257	23.548
10	27.27	36.298	23.609
20	26.82	36.408	23.807
30	26.50	36.515	24.021
40	26.07	36.588	24.212
50	25.23	36.654	24.524
60	24.77	36.698	24.698
70	24.58	36.733	24.780
80	24.07	36.747	24.945
90	23.49	36.736	25.110
100	23.10	36.742	25.229
110	22.65	36.754	25.369
120	22.33	36.758	25.463
130	22.03	36.742	25.533
140	21.75	36.722	25.598
150	21.44	36.685	25.657
160	21.15	36.687	25.739
170	20.86	36.698	25.827
180	20.55	36.696	25.909
190	20.31	36.689	25.968
200	20.08	36.680	26.024
250	19.14	36.614	26.222
300	18.64	36.572	26.318
350	18.29	36.530	26.372
400	17.89	36.474	26.431
450	17.49	36.418	26.487
500	16.76	36.303	26.573
550	15.94	36.171	26.663
600	15.02	36.019	26.754
650	14.03	35.855	26.843
700	12.80	35.851	26.939
750	11.67	35.517	27.054
800	10.49	35.369	27.156
850	9.64	35.262	27.218
900	8.81	35.181	27.291
950	7.96	35.130	27.382
1000	7.03	35.087	27.483
1500	4.35	35.006	27.754
2000	3.74	34.988	27.804
2500	3.20	34.958	27.834
3000	2.75	34.933	27.855
3500	2.40	34.911	27.867
4000	2.28	34.899	27.868
4500	2.21	34.885	27.863
4532	2.20	34.884	27.862

BAL-STACS36-90 CTD 39 BALDRIGE

Date 07 01 90 Latitude 29.423N

Time 1918 Z Longitude 74.270W

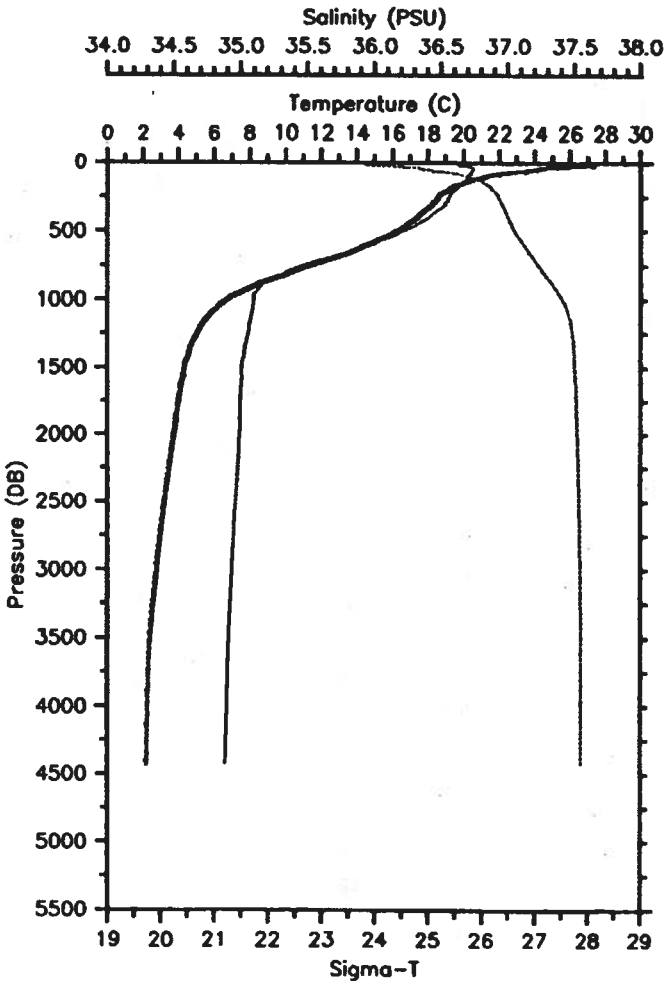


Prs	Tem	Sal	SigT
0	27.24	36.231	23.570
10	27.24	36.231	23.570
20	26.56	36.528	24.013
30	25.17	36.668	24.567
40	24.18	36.744	24.910
50	23.57	36.731	25.083
60	23.17	36.731	25.200
70	22.53	36.731	25.384
80	22.08	36.746	25.524
90	21.75	36.734	25.609
100	21.34	36.709	25.704
110	21.18	36.698	25.740
120	20.97	36.712	25.808
130	20.75	36.715	25.870
140	20.43	36.694	25.939
150	20.26	36.683	25.977
160	20.04	36.679	26.035
170	19.84	36.670	26.081
180	19.64	36.651	26.118
190	19.48	36.642	26.159
200	19.32	36.631	26.187
250	18.83	36.597	26.286
300	18.40	36.542	26.355
350	17.99	36.492	26.418
400	17.62	36.438	26.469
450	17.11	36.359	26.532
500	16.30	36.225	26.621
550	15.38	36.076	26.719
600	14.49	35.938	26.809
650	13.30	35.737	26.904
700	12.17	35.576	27.003
750	10.86	35.398	27.111
800	9.87	35.281	27.194
850	8.97	35.190	27.272
900	8.16	35.138	27.359
950	7.33	35.090	27.444
1000	6.86	35.093	27.512
1500	4.30	35.008	27.759
1697	4.05	34.998	27.779

BAL-STACS36-90 CTD 40 BALDRIGE

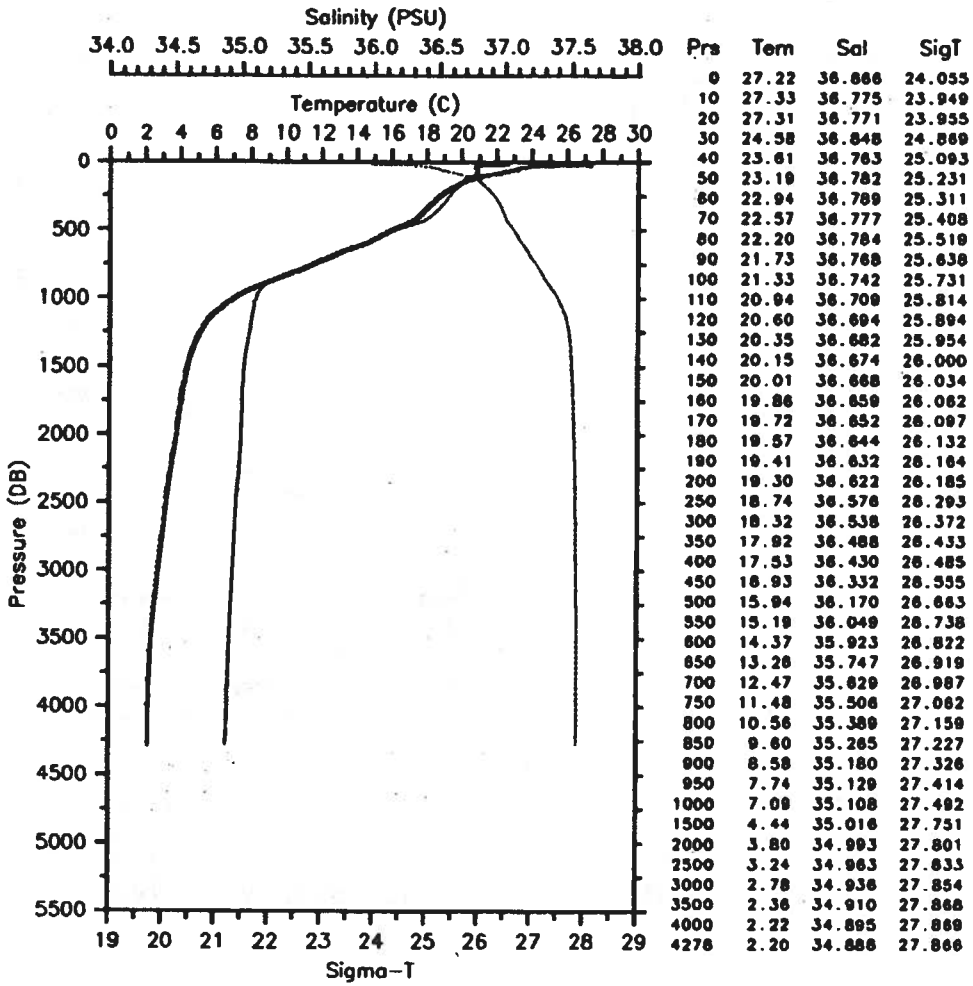
Date 07 02 90 Latitude 29.760N

Time 0031 Z Longitude 73.950W



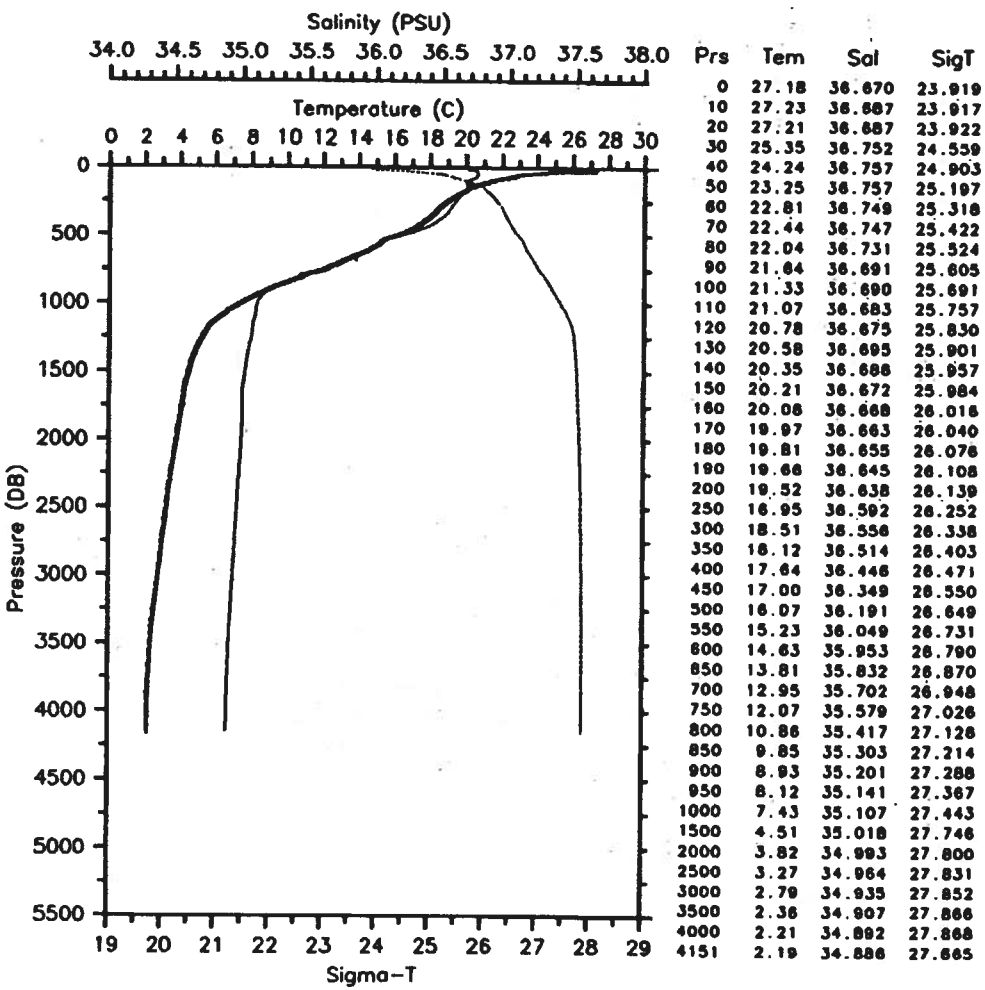
Prs	Tem	Sal	SigT
0	27.23	36.750	23.864
10	27.38	36.835	23.830
20	27.22	36.842	23.887
30	25.61	36.733	24.466
40	24.39	36.739	24.842
50	23.95	36.735	24.972
60	23.50	36.736	25.107
70	22.55	36.720	25.371
80	22.00	36.728	25.533
90	21.43	36.697	25.688
100	21.20	36.702	25.736
110	20.81	36.697	25.812
120	20.57	36.691	25.902
130	20.31	36.681	25.983
140	20.07	36.673	26.021
150	19.93	36.682	26.066
160	19.83	36.652	26.122
170	19.45	36.633	26.154
180	19.34	36.624	26.176
190	19.25	36.618	26.194
200	19.09	36.605	26.227
250	18.59	36.559	26.319
300	18.27	36.531	26.379
350	17.79	36.486	26.448
400	17.39	36.410	26.503
450	16.83	36.315	26.566
500	16.23	36.217	26.632
550	15.40	36.085	26.720
600	14.51	35.942	26.808
650	13.68	35.817	26.887
700	12.53	35.632	26.978
750	11.35	35.464	27.074
800	10.26	35.335	27.169
850	9.20	35.229	27.265
900	8.25	35.156	27.359
950	7.43	35.110	27.445
1000	6.75	35.095	27.528
1500	4.32	35.004	27.755
2000	3.76	34.988	27.801
2500	3.22	34.960	27.833
3000	2.77	34.933	27.853
3500	2.39	34.909	27.867
4000	2.24	34.895	27.868
4427	2.18	34.881	27.862

BAL-STACS36-90 CTD 41 BALDRIGE
Date 07 02 90 Latitude 29.897N
Time 0435 Z Longitude 73.822W



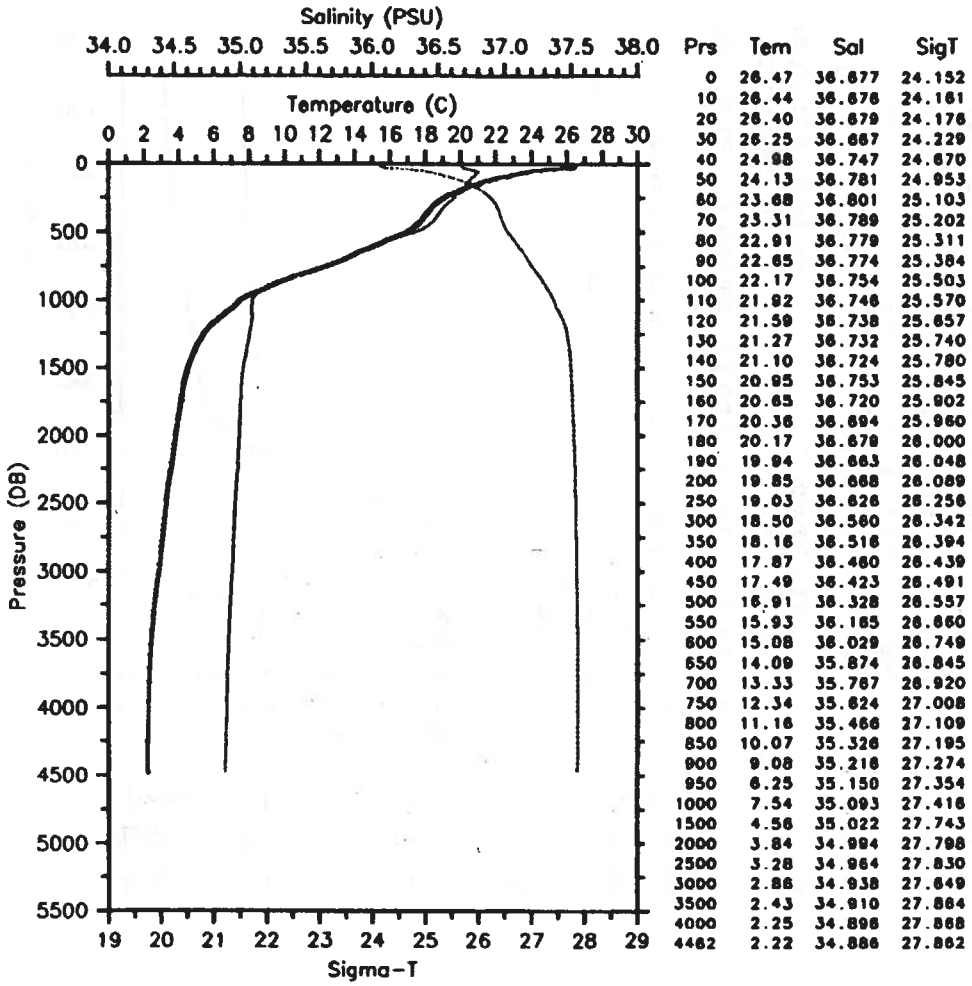
Prs	Tem	Sal	SigT
0	27.22	36.866	24.055
10	27.33	36.775	23.949
20	27.31	36.771	23.955
30	24.58	36.848	24.869
40	23.61	36.763	25.093
50	23.19	36.782	25.231
60	22.94	36.789	25.311
70	22.57	36.777	25.408
80	22.20	36.784	25.519
90	21.73	36.768	25.638
100	21.33	36.742	25.731
110	20.94	36.709	25.814
120	20.60	36.694	25.894
130	20.35	36.682	25.954
140	20.15	36.674	26.000
150	20.01	36.668	26.034
160	19.86	36.659	26.062
170	19.72	36.652	26.087
180	19.57	36.644	26.132
190	19.41	36.632	26.164
200	19.30	36.622	26.185
250	18.74	36.576	26.293
300	18.32	36.538	26.372
350	17.92	36.488	26.433
400	17.53	36.430	26.485
450	16.93	36.332	26.555
500	15.94	36.170	26.663
550	15.19	36.049	26.738
600	14.37	35.923	26.822
650	13.28	35.747	26.919
700	12.47	35.629	26.987
750	11.48	35.506	27.062
800	10.56	35.389	27.159
850	9.60	35.265	27.227
900	8.58	35.180	27.326
950	7.74	35.129	27.414
1000	7.09	35.108	27.492
1500	4.44	35.016	27.751
2000	3.80	34.993	27.801
2500	3.24	34.963	27.833
3000	2.78	34.936	27.854
3500	2.36	34.910	27.868
4000	2.22	34.895	27.869
4278	2.20	34.888	27.866

BAL-STACS36-90 CTD 42 BALDRIGE
Date 07 02 90 Latitude 30.028N
Time 0855 Z Longitude 73.695W



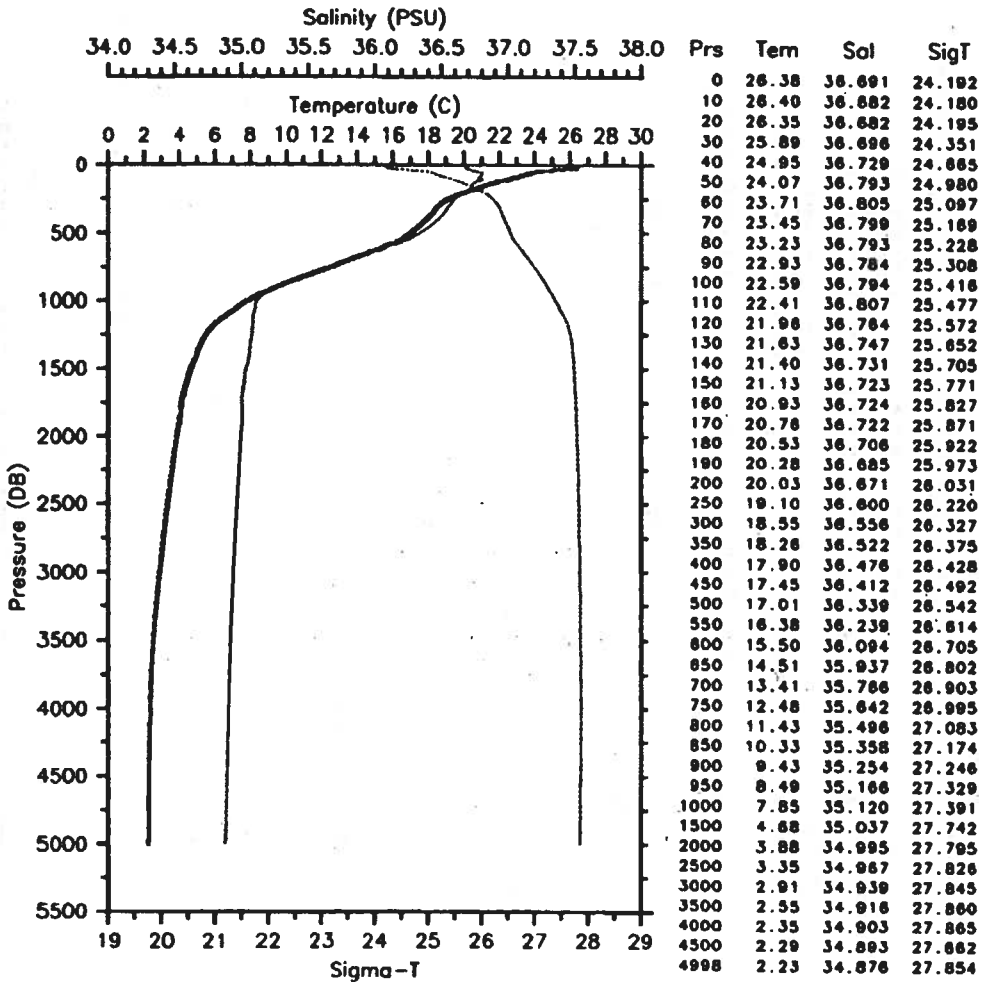
Prs	Tem	Sal	SigT
0	27.18	36.870	23.919
10	27.23	36.887	23.917
20	27.21	36.887	23.922
30	25.35	36.752	24.559
40	24.24	36.757	24.903
50	23.25	36.757	25.197
60	22.81	36.749	25.318
70	22.44	36.747	25.422
80	22.04	36.731	25.524
90	21.64	36.691	25.605
100	21.33	36.690	25.691
110	21.07	36.683	25.757
120	20.78	36.675	25.830
130	20.58	36.695	25.901
140	20.35	36.688	25.957
150	20.21	36.672	25.984
160	20.08	36.668	26.018
170	19.97	36.663	26.040
180	19.81	36.655	26.078
190	19.66	36.645	26.108
200	19.52	36.638	26.139
250	18.95	36.592	26.252
300	18.51	36.556	26.338
350	18.12	36.514	26.403
400	17.64	36.446	26.471
450	17.00	36.349	26.550
500	16.07	36.191	26.649
550	15.23	36.049	26.731
600	14.63	35.953	26.790
650	13.81	35.832	26.870
700	12.95	35.702	26.948
750	12.07	35.579	27.026
800	10.86	35.417	27.126
850	9.85	35.303	27.214
900	8.93	35.201	27.288
950	8.12	35.141	27.367
1000	7.43	35.107	27.443
1500	4.51	35.018	27.746
2000	3.82	34.993	27.800
2500	3.27	34.964	27.831
3000	2.79	34.935	27.852
3500	2.36	34.907	27.866
4000	2.21	34.892	27.868
4151	2.19	34.886	27.865

BAL-STACS36-90 CTD 43 BALDRIGE
Date 07 02 90 Latitude 30.023N
Time 1328 Z Longitude 73.388W



Prs	Tem	Sal	SigT
0	26.47	36.677	24.152
10	26.44	36.676	24.161
20	26.40	36.679	24.176
30	26.25	36.687	24.229
40	24.98	36.747	24.670
50	24.13	36.781	24.953
60	23.68	36.801	25.103
70	23.31	36.789	25.202
80	22.91	36.779	25.311
90	22.65	36.774	25.384
100	22.17	36.754	25.503
110	21.92	36.746	25.570
120	21.59	36.738	25.657
130	21.27	36.732	25.740
140	21.10	36.724	25.780
150	20.95	36.753	25.845
160	20.65	36.720	25.902
170	20.36	36.694	25.960
180	20.17	36.678	26.000
190	19.94	36.663	26.048
200	19.85	36.668	26.089
250	19.03	36.626	26.256
300	18.50	36.560	26.342
350	18.16	36.516	26.394
400	17.87	36.480	26.439
450	17.49	36.423	26.491
500	16.91	36.328	26.557
550	15.93	36.185	26.660
600	15.08	36.029	26.749
650	14.09	35.874	26.845
700	13.33	35.767	26.920
750	12.34	35.624	27.008
800	11.16	35.466	27.109
850	10.07	35.326	27.195
900	9.08	35.218	27.274
950	8.25	35.150	27.334
1000	7.54	35.093	27.416
1500	4.56	35.022	27.743
2000	3.84	34.994	27.798
2500	3.28	34.964	27.830
3000	2.86	34.938	27.849
3500	2.43	34.910	27.864
4000	2.25	34.898	27.868
4462	2.22	34.886	27.862

BAL-STACS36-90 CTD 44 BALDRIGE
Date 07 02 90 Latitude 30.015N
Time 1833 Z Longitude 73.092W

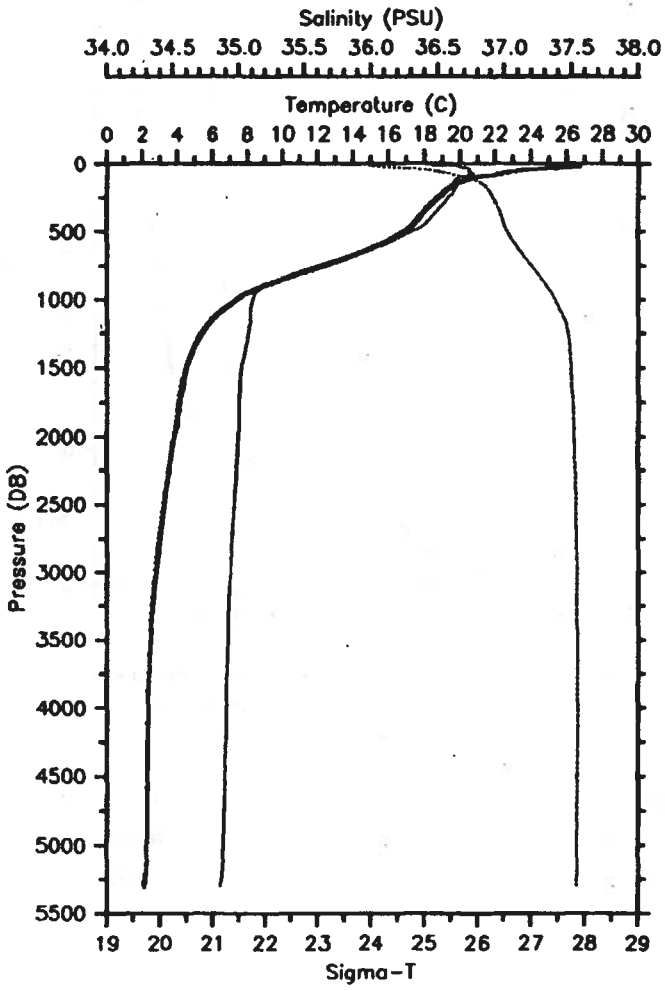


Prs	Tem	Sal	SigT
0	26.38	36.691	24.192
10	26.40	36.682	24.180
20	26.35	36.682	24.195
30	25.89	36.696	24.351
40	24.95	36.729	24.665
50	24.07	36.793	24.980
60	23.71	36.805	25.097
70	23.45	36.799	25.169
80	23.23	36.793	25.228
90	22.93	36.784	25.308
100	22.59	36.794	25.416
110	22.41	36.807	25.477
120	21.98	36.784	25.572
130	21.63	36.747	25.652
140	21.40	36.731	25.705
150	21.13	36.723	25.771
160	20.93	36.724	25.827
170	20.78	36.722	25.871
180	20.53	36.706	25.922
190	20.28	36.685	25.973
200	20.03	36.671	26.031
250	19.10	36.600	26.220
300	18.55	36.556	26.327
350	18.26	36.522	26.375
400	17.90	36.476	26.428
450	17.45	36.412	26.492
500	17.01	36.339	26.542
550	16.38	36.238	26.614
600	15.50	36.094	26.705
650	14.51	35.937	26.802
700	13.41	35.786	26.903
750	12.48	35.642	26.995
800	11.43	35.496	27.083
850	10.33	35.358	27.174
900	9.43	35.254	27.246
950	8.49	35.166	27.329
1000	7.85	35.120	27.391
1500	4.68	35.037	27.742
2000	3.88	34.995	27.795
2500	3.35	34.967	27.826
3000	2.91	34.939	27.845
3500	2.55	34.916	27.860
4000	2.35	34.903	27.865
4500	2.29	34.893	27.862
4998	2.23	34.876	27.854

BAL-STACS36-90 CTD 45 BALDRIGE

Date 07 03 90 Latitude 29.990N

Time 0043 Z Longitude 72.535W

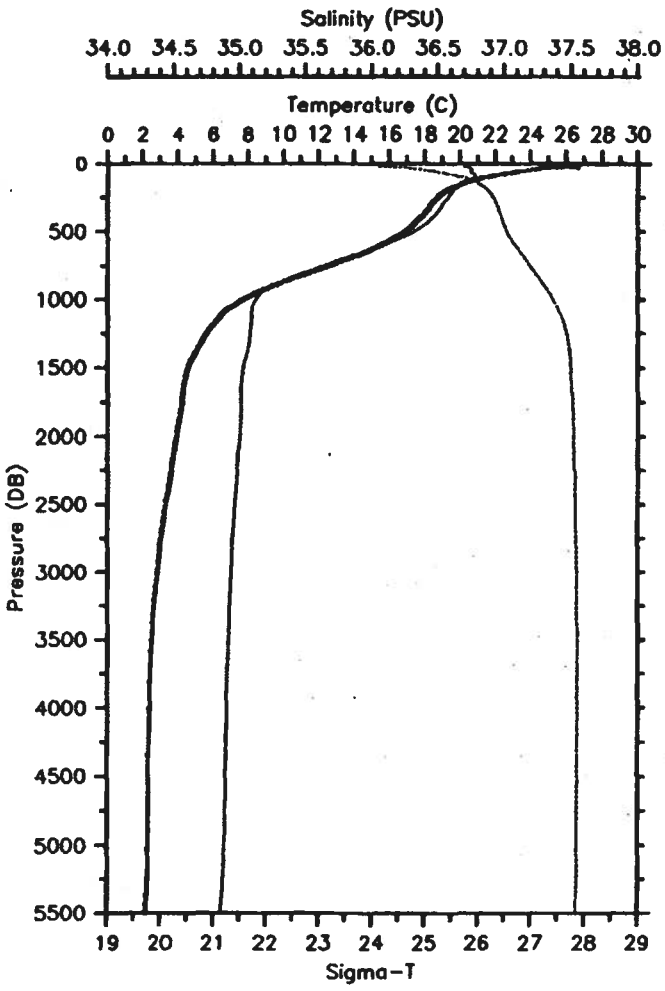


Prs	Tem	Sal	SigT
0	26.72	36.409	23.871
10	26.72	36.409	23.871
20	26.69	36.657	24.068
30	25.67	36.700	24.421
40	24.38	36.736	24.843
50	23.48	36.734	25.112
60	22.88	36.724	25.277
70	22.42	36.764	25.440
80	22.07	36.758	25.537
90	21.47	36.712	25.670
100	20.91	36.660	25.785
110	20.53	36.637	25.869
120	20.27	36.628	25.931
130	20.02	36.634	26.006
140	19.78	36.621	26.060
150	19.70	36.637	26.092
160	19.60	36.642	26.121
170	19.50	36.644	26.150
180	19.35	36.632	26.180
190	19.27	36.627	26.197
200	19.19	36.623	26.214
250	18.75	36.578	26.293
300	18.38	36.540	26.359
350	18.00	36.492	26.416
400	17.68	36.447	26.461
450	17.37	36.401	26.501
500	16.84	36.312	26.581
550	16.19	36.204	26.630
600	15.31	36.059	26.720
650	14.35	35.907	26.814
700	13.37	35.753	26.902
750	12.28	35.597	27.002
800	11.13	35.445	27.099
850	9.98	35.311	27.199
900	8.85	35.194	27.295
950	7.96	35.132	27.384
1000	7.40	35.109	27.448
1500	4.52	35.025	27.749
2000	3.84	34.996	27.800
2500	3.26	34.963	27.831
3000	2.78	34.935	27.853
3500	2.48	34.914	27.863
4000	2.35	34.903	27.886
4500	2.30	34.895	27.863
5000	2.26	34.880	27.855
5298	2.11	34.856	27.848

BAL-STACS36-90 CTD 46 BALDRIGE

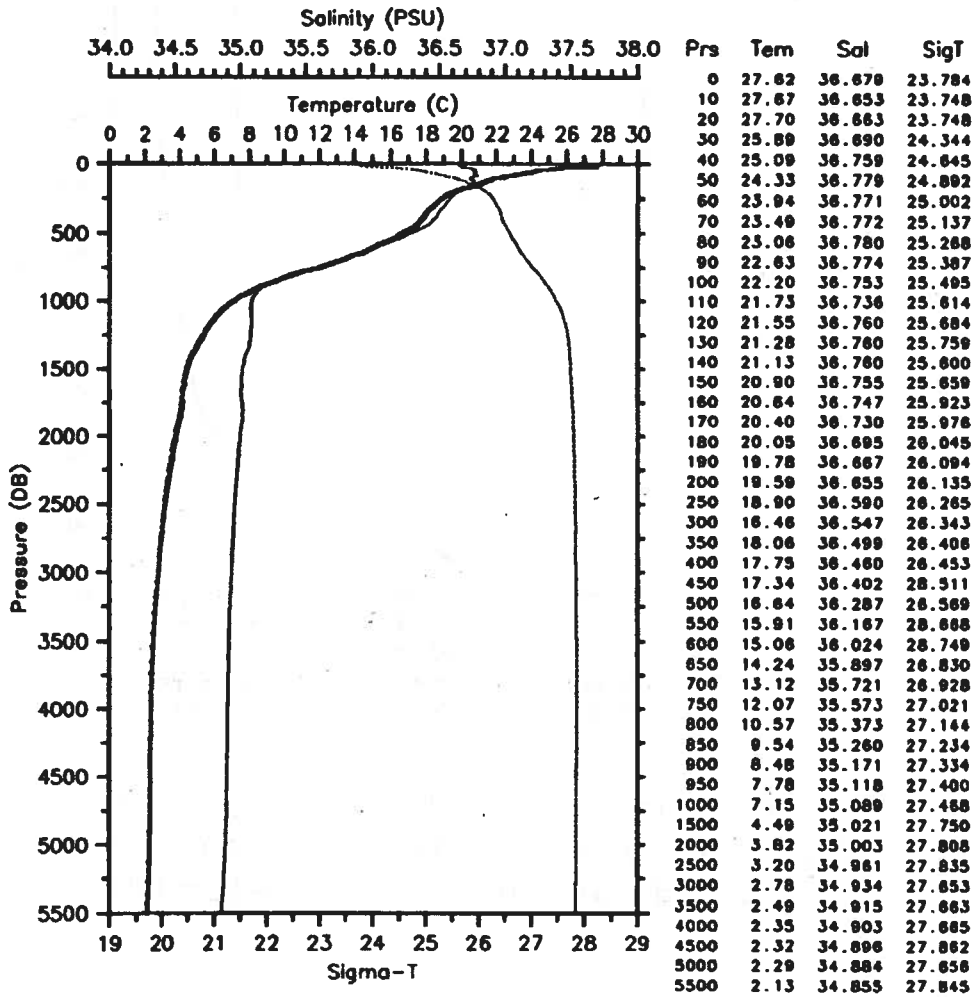
Date 07 03 90 Latitude 30.012N

Time 1237 Z Longitude 70.998W



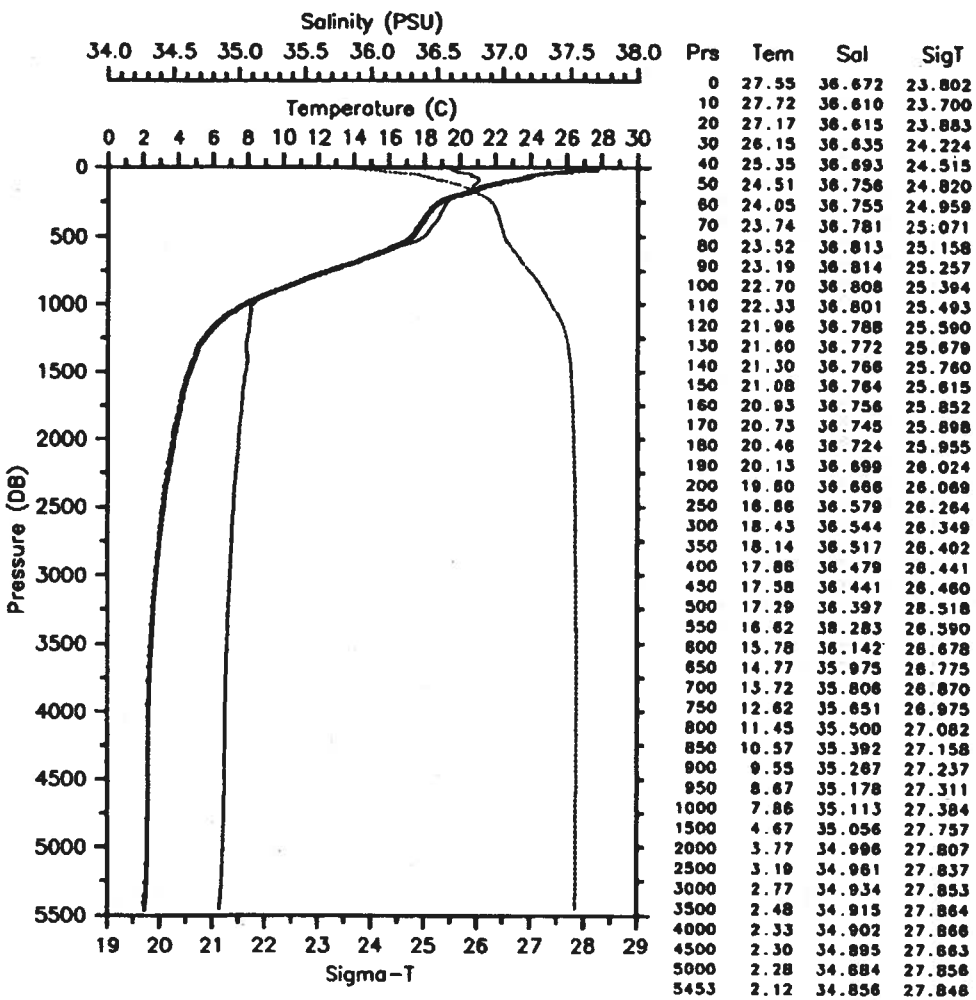
Prs	Tem	Sal	SigT
0	26.55	36.719	24.158
10	26.63	36.703	24.121
20	26.63	36.703	24.122
30	25.12	36.734	24.618
40	24.38	36.754	24.864
50	23.71	36.753	25.056
60	23.13	36.747	25.222
70	22.67	36.750	25.358
80	22.28	36.775	25.498
90	21.84	36.777	25.615
100	21.34	36.774	25.754
110	21.07	36.759	25.815
120	20.74	36.729	25.885
130	20.50	36.704	25.928
140	20.23	36.684	25.986
150	20.07	36.681	26.027
160	19.92	36.680	26.065
170	19.64	36.656	26.122
180	19.44	36.641	26.164
190	19.30	36.620	26.185
200	19.16	36.614	26.209
250	18.74	36.581	26.297
300	18.39	36.538	26.354
350	18.12	36.508	26.398
400	17.75	36.457	26.453
450	17.37	36.403	26.502
500	16.90	36.324	26.555
550	16.28	36.218	26.622
600	15.50	36.091	26.702
650	14.55	35.943	26.799
700	13.48	35.772	26.894
750	12.51	35.633	26.982
800	11.40	35.483	27.078
850	10.36	35.355	27.168
900	9.35	35.240	27.250
950	8.42	35.158	27.336
1000	7.71	35.128	27.418
1500	4.61	35.030	27.744
2000	3.94	35.005	27.796
2500	3.31	34.986	27.829
3000	2.84	34.938	27.851
3500	2.51	34.918	27.863
4000	2.37	34.906	27.866
4500	2.32	34.897	27.863
5000	2.30	34.887	27.857
5500	2.16	34.881	27.847

BAL-STACS36-90 CTD 47 BALDRIGE
Date 07 04 90 Latitude 28.238N
Time 0021 Z Longitude 70.998W



Prs	Tem	Sal	SigT
0	27.62	36.670	23.784
10	27.67	36.653	23.748
20	27.70	36.663	23.748
30	25.89	36.690	24.344
40	25.09	36.759	24.645
50	24.33	36.779	24.892
60	23.94	36.771	25.002
70	23.49	36.772	25.137
80	23.06	36.780	25.268
90	22.63	36.774	25.387
100	22.20	36.753	25.495
110	21.73	36.736	25.614
120	21.55	36.760	25.684
130	21.28	36.760	25.759
140	21.13	36.760	25.800
150	20.90	36.755	25.859
160	20.64	36.747	25.923
170	20.40	36.730	25.976
180	20.05	36.695	26.045
190	19.78	36.667	26.094
200	19.59	36.655	26.135
250	18.90	36.590	26.265
300	16.46	36.547	26.343
350	18.06	36.499	26.408
400	17.79	36.460	26.453
450	17.34	36.402	26.511
500	16.84	36.287	26.569
550	15.91	36.167	26.688
600	15.06	36.024	26.749
650	14.24	35.897	26.830
700	13.12	35.721	26.928
750	12.07	35.573	27.021
800	10.57	35.373	27.144
850	9.54	35.260	27.234
900	8.48	35.171	27.334
950	7.78	35.118	27.400
1000	7.15	35.089	27.468
1500	4.49	35.021	27.750
2000	3.82	35.003	27.808
2500	3.20	34.981	27.835
3000	2.78	34.934	27.853
3500	2.49	34.915	27.863
4000	2.35	34.903	27.865
4500	2.32	34.896	27.862
5000	2.29	34.884	27.856
5500	2.13	34.855	27.845

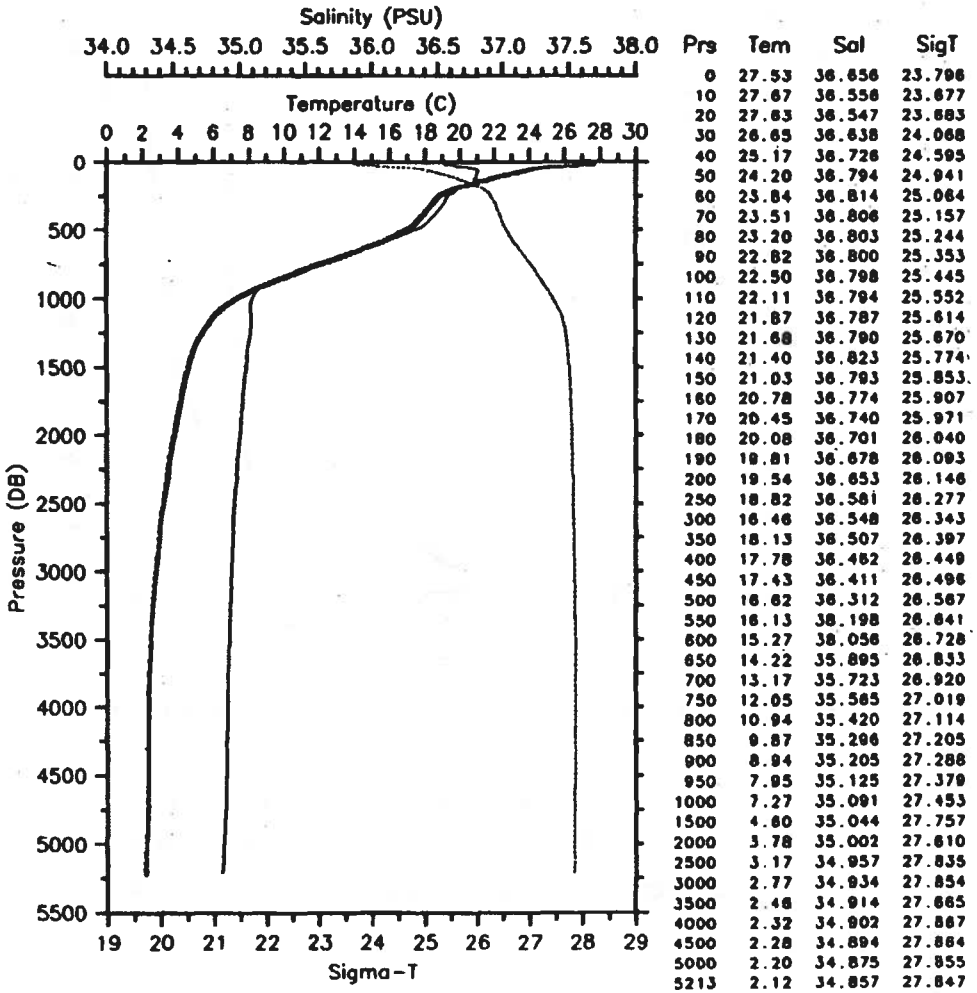
BAL-STACS36-90 CTD 48 BALDRIGE
Date 07 04 90 Latitude 27.135N
Time 0941 Z Longitude 71.488W



Prs	Tem	Sal	SigT
0	27.55	36.672	23.802
10	27.72	36.610	23.700
20	27.17	36.615	23.883
30	26.15	36.635	24.224
40	25.35	36.693	24.515
50	24.51	36.756	24.820
60	24.05	36.755	24.959
70	23.74	36.781	25.071
80	23.52	36.813	25.158
90	23.19	36.814	25.257
100	22.70	36.808	25.394
110	22.33	36.801	25.493
120	21.96	36.788	25.590
130	21.60	36.772	25.679
140	21.30	36.766	25.760
150	21.08	36.764	25.815
160	20.93	36.756	25.852
170	20.73	36.745	25.898
180	20.46	36.724	25.955
190	20.13	36.699	26.024
200	19.80	36.686	26.069
250	18.86	36.579	26.264
300	18.43	36.544	26.349
350	18.14	36.517	26.402
400	17.86	36.479	26.441
450	17.58	36.441	26.480
500	17.29	36.397	26.518
550	16.62	36.283	26.590
600	15.78	36.142	26.678
650	14.77	35.975	26.775
700	13.72	35.806	26.870
750	12.62	35.651	26.975
800	11.45	35.500	27.082
850	10.57	35.392	27.158
900	9.55	35.267	27.237
950	8.67	35.178	27.311
1000	7.86	35.113	27.384
1500	4.67	35.056	27.757
2000	3.77	34.996	27.807
2500	3.19	34.961	27.837
3000	2.77	34.934	27.853
3500	2.48	34.915	27.864
4000	2.33	34.902	27.866
4500	2.30	34.895	27.863
5000	2.28	34.884	27.856
5453	2.12	34.856	27.848

BAL-STACS36-90 CTD 49 BALDRIGE

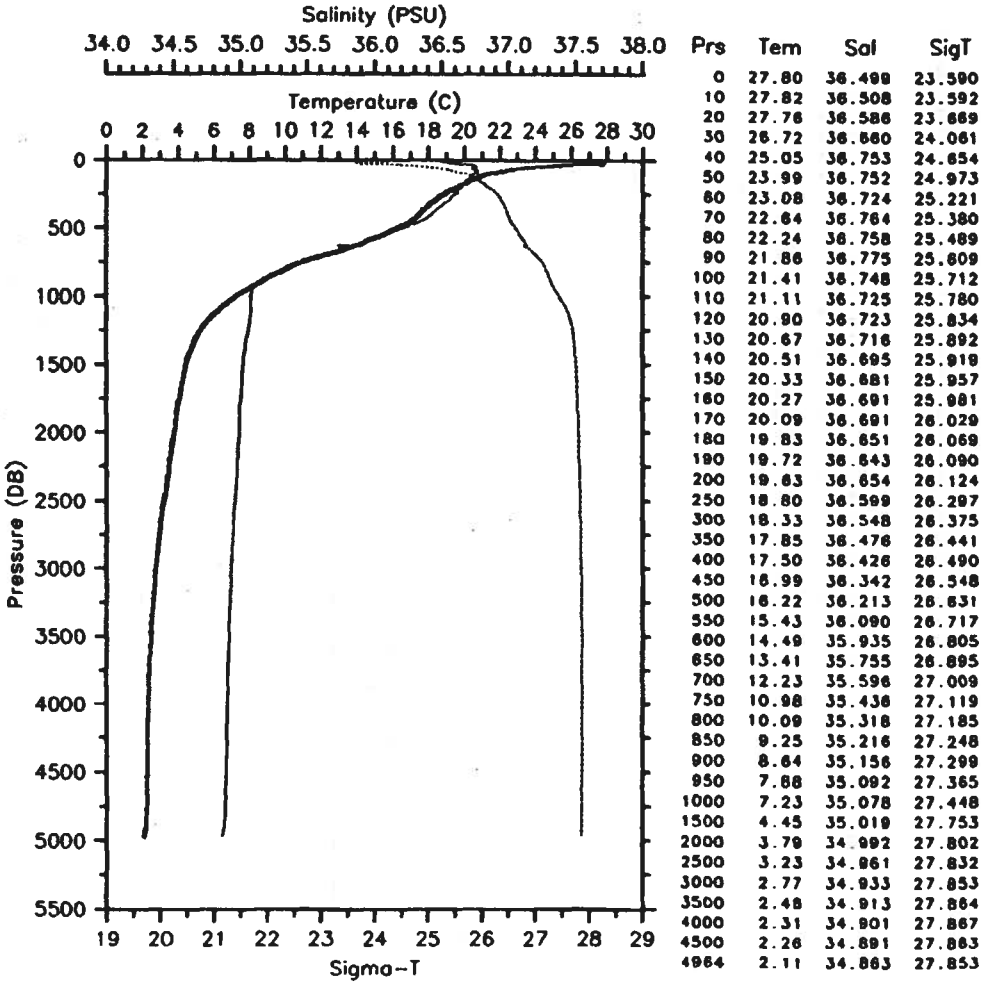
Date 07 04 90 Latitude 27.535N
Time 1541 Z Longitude 71.815W



Prs	Tem	Sal	SigT
0	27.53	36.656	23.796
10	27.67	36.556	23.677
20	27.63	36.547	23.683
30	26.65	36.638	24.068
40	25.17	36.726	24.595
50	24.20	36.794	24.941
60	23.84	36.814	25.064
70	23.51	36.806	25.157
80	23.20	36.803	25.244
90	22.82	36.800	25.353
100	22.50	36.798	25.445
110	22.11	36.794	25.552
120	21.87	36.787	25.614
130	21.68	36.790	25.670
140	21.40	36.823	25.774
150	21.03	36.793	25.853
160	20.78	36.774	25.907
170	20.45	36.740	25.971
180	20.08	36.701	26.040
190	19.81	36.678	26.093
200	19.54	36.653	26.146
250	18.82	36.581	26.277
300	16.46	36.548	26.343
350	18.13	36.507	26.397
400	17.78	36.462	26.449
450	17.43	36.411	26.496
500	16.82	36.312	26.567
550	16.13	36.198	26.641
600	15.27	36.056	26.728
650	14.22	35.895	26.833
700	13.17	35.723	26.920
750	12.05	35.565	27.019
800	10.94	35.420	27.114
850	9.87	35.296	27.205
900	8.94	35.205	27.288
950	7.95	35.125	27.379
1000	7.27	35.091	27.453
1500	4.60	35.044	27.757
2000	3.78	35.002	27.810
2500	3.17	34.957	27.835
3000	2.77	34.934	27.854
3500	2.48	34.914	27.865
4000	2.32	34.902	27.887
4500	2.28	34.894	27.884
5000	2.20	34.875	27.855
5213	2.12	34.857	27.847

BAL-STACS36-90 CTD 50 BALDRIGE

Date 07 04 90 Latitude 27.960N
Time 2141 Z Longitude 72.122W

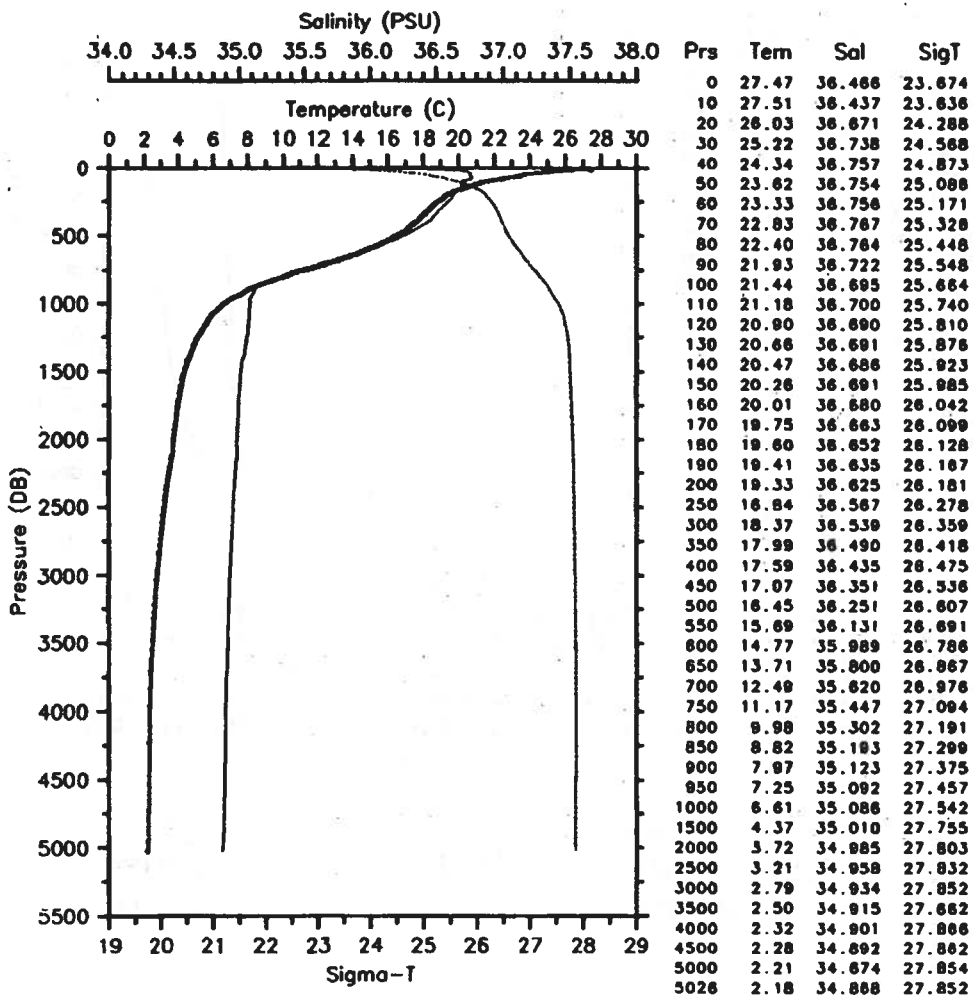


Prs	Tem	Sal	SigT
0	27.80	36.498	23.590
10	27.82	36.508	23.592
20	27.76	36.586	23.669
30	26.72	36.660	24.061
40	25.05	36.753	24.654
50	23.99	36.752	24.973
60	23.08	36.724	25.221
70	22.64	36.784	25.380
80	22.24	36.758	25.489
90	21.86	36.775	25.609
100	21.41	36.748	25.712
110	21.11	36.725	25.780
120	20.90	36.723	25.834
130	20.67	36.716	25.892
140	20.51	36.695	25.919
150	20.33	36.681	25.957
160	20.27	36.691	25.981
170	20.09	36.691	26.029
180	19.83	36.651	26.069
190	19.72	36.643	26.090
200	19.63	36.654	26.124
250	18.80	36.599	26.297
300	18.33	36.548	26.375
350	17.85	36.476	26.441
400	17.50	36.426	26.490
450	16.99	36.342	26.548
500	16.22	36.213	26.631
550	15.43	36.090	26.717
600	14.49	35.935	26.805
650	13.41	35.755	26.895
700	12.23	35.596	27.009
750	10.98	35.436	27.119
800	10.09	35.318	27.185
850	9.25	35.216	27.248
900	8.64	35.156	27.299
950	7.88	35.092	27.365
1000	7.23	35.078	27.448
1500	4.45	35.019	27.753
2000	3.79	34.992	27.802
2500	3.23	34.961	27.832
3000	2.77	34.933	27.853
3500	2.48	34.913	27.864
4000	2.31	34.901	27.867
4500	2.26	34.891	27.863
4964	2.11	34.863	27.853

BAL-STACS36-90 CTD 51 BALDRIGE

Date 07 05 90 Latitude 28.382N

Time 0324 Z Longitude 72.447W

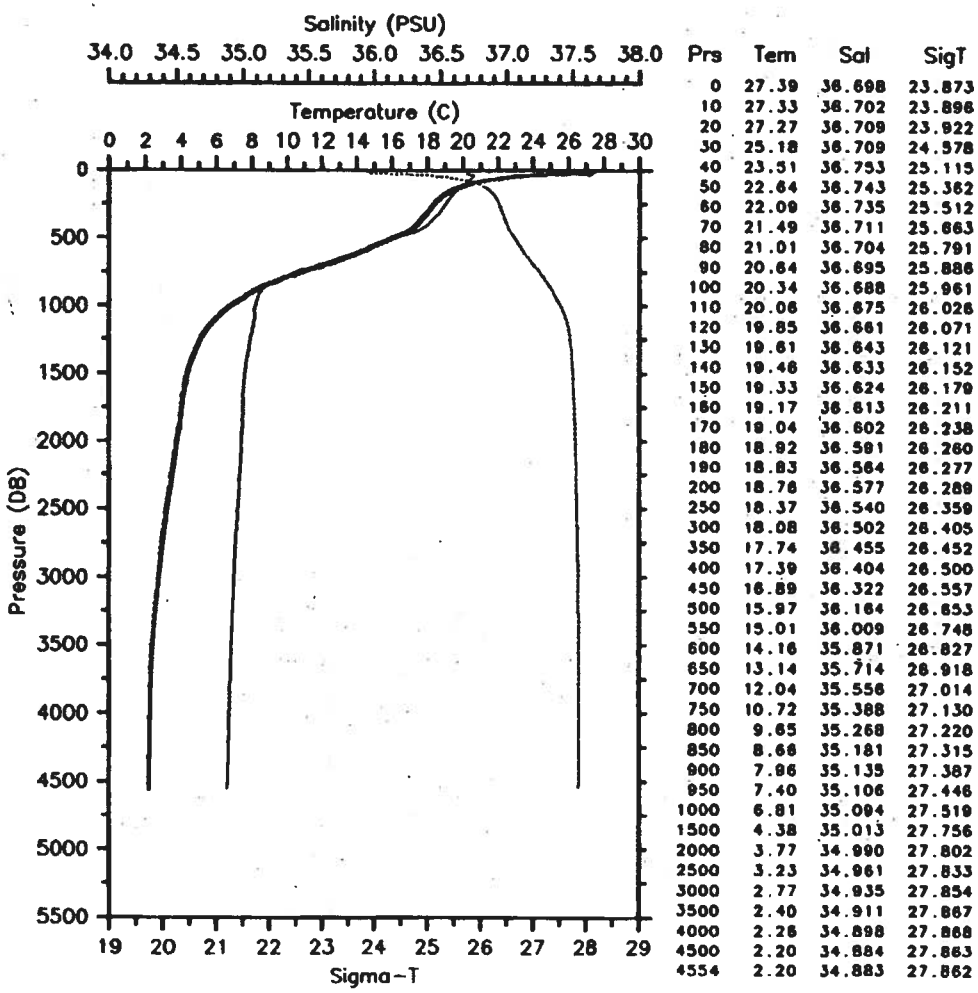


Prs	Tem	Sal	SigT
0	27.47	36.466	23.674
10	27.51	36.437	23.636
20	26.03	36.671	24.288
30	25.22	36.738	24.568
40	24.34	36.757	24.873
50	23.62	36.754	25.088
60	23.33	36.756	25.171
70	22.83	36.767	25.328
80	22.40	36.764	25.448
90	21.93	36.722	25.548
100	21.44	36.695	25.664
110	21.18	36.700	25.740
120	20.80	36.690	25.810
130	20.66	36.691	25.876
140	20.47	36.686	25.923
150	20.26	36.691	25.985
160	20.01	36.680	26.042
170	19.75	36.663	26.099
180	19.60	36.652	26.128
190	19.41	36.635	26.167
200	19.33	36.625	26.181
250	16.84	36.567	26.278
300	18.37	36.539	26.359
350	17.99	36.490	26.418
400	17.59	36.435	26.475
450	17.07	36.351	26.536
500	16.45	36.251	26.607
550	15.69	36.131	26.691
600	14.77	35.989	26.786
650	13.71	35.800	26.867
700	12.48	35.620	26.976
750	11.17	35.447	27.094
800	9.98	35.302	27.191
850	8.82	35.183	27.299
900	7.97	35.123	27.375
950	7.25	35.092	27.457
1000	6.61	35.086	27.542
1500	4.37	35.010	27.755
2000	3.72	34.985	27.803
2500	3.21	34.958	27.832
3000	2.79	34.934	27.852
3500	2.50	34.915	27.862
4000	2.32	34.901	27.866
4500	2.28	34.892	27.862
5000	2.21	34.874	27.854
5026	2.18	34.868	27.852

BAL-STACS36-90 CTD 52 BALDRIGE

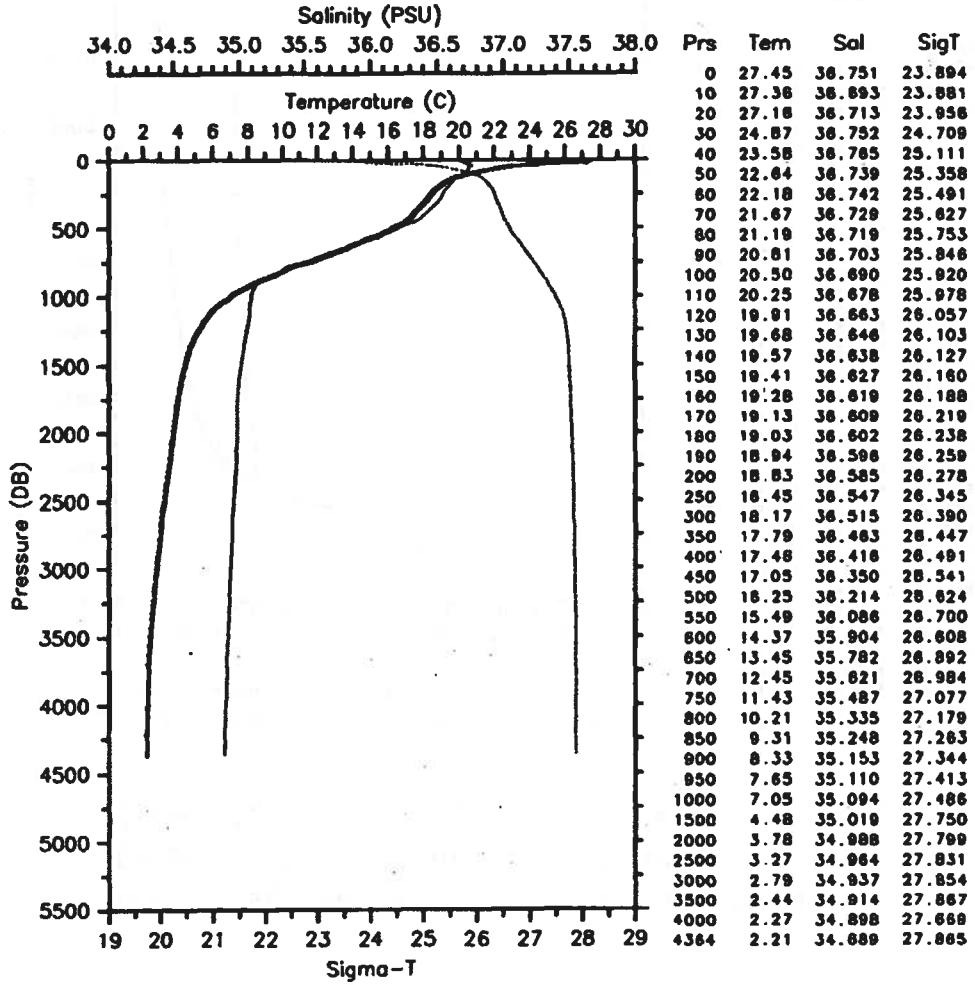
Date 07 05 90 Latitude 28.763N

Time 1139 Z Longitude 72.828W



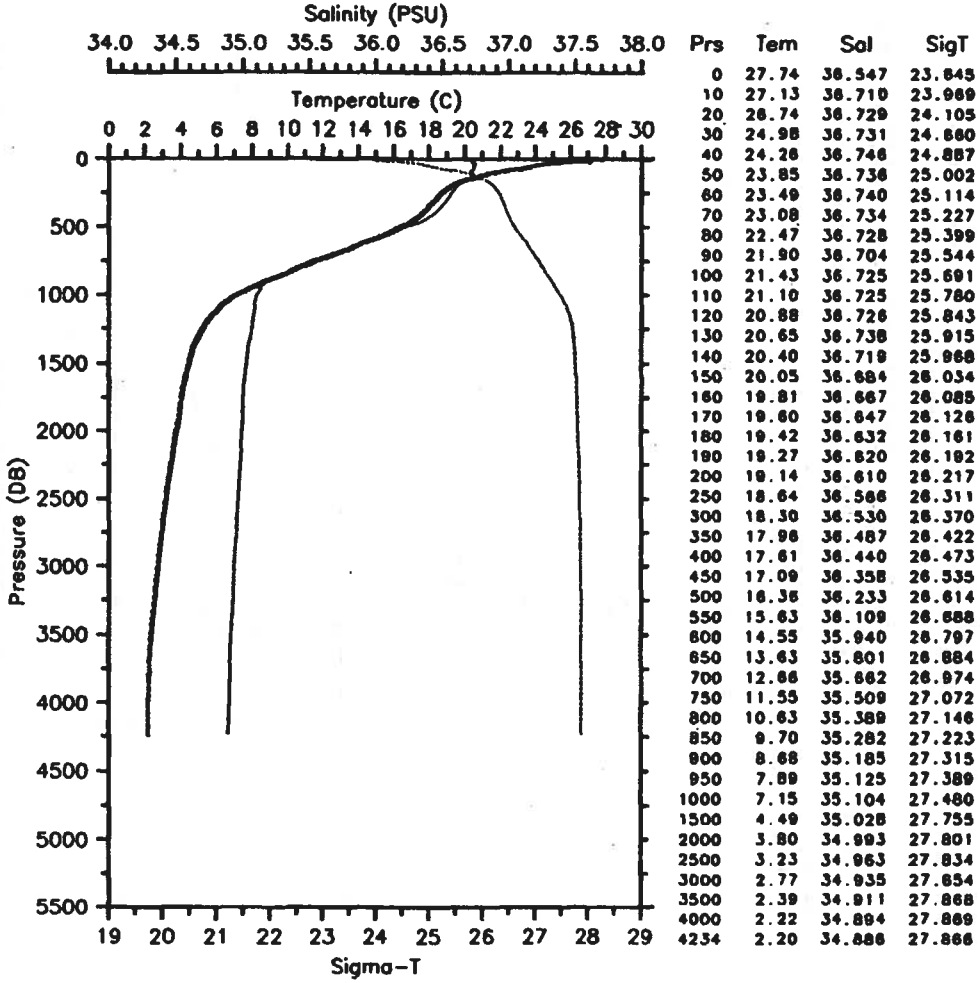
Prs	Tem	Sal	SigT
0	27.39	36.698	23.873
10	27.33	36.702	23.896
20	27.27	36.709	23.922
30	25.18	36.709	24.578
40	23.51	36.753	25.115
50	22.64	36.743	25.362
60	22.09	36.735	25.512
70	21.49	36.711	25.663
80	21.01	36.704	25.791
90	20.64	36.695	25.886
100	20.34	36.688	25.961
110	20.06	36.675	26.026
120	19.85	36.661	26.071
130	19.61	36.643	26.121
140	19.46	36.633	26.152
150	19.33	36.624	26.179
160	19.17	36.613	26.211
170	19.04	36.602	26.238
180	18.92	36.591	26.260
190	18.83	36.584	26.277
200	18.78	36.577	26.289
250	18.37	36.540	26.359
300	18.08	36.502	26.405
350	17.74	36.455	26.452
400	17.39	36.404	26.500
450	16.89	36.322	26.557
500	15.97	36.164	26.653
550	15.01	36.009	26.748
600	14.16	35.871	26.827
650	13.14	35.714	26.918
700	12.04	35.556	27.014
750	10.72	35.388	27.130
800	9.65	35.268	27.220
850	8.68	35.181	27.315
900	7.96	35.135	27.387
950	7.40	35.106	27.446
1000	6.81	35.094	27.519
1500	4.38	35.013	27.756
2000	3.77	34.990	27.802
2500	3.23	34.961	27.833
3000	2.77	34.935	27.854
3500	2.40	34.911	27.867
4000	2.26	34.898	27.868
4500	2.20	34.884	27.863
4554	2.20	34.883	27.862

BAL-STACS36-90 CTD 53 BALDRIGE
Date 07 05 90 Latitude 29.040N
Time 1619 Z Longitude 72.990W



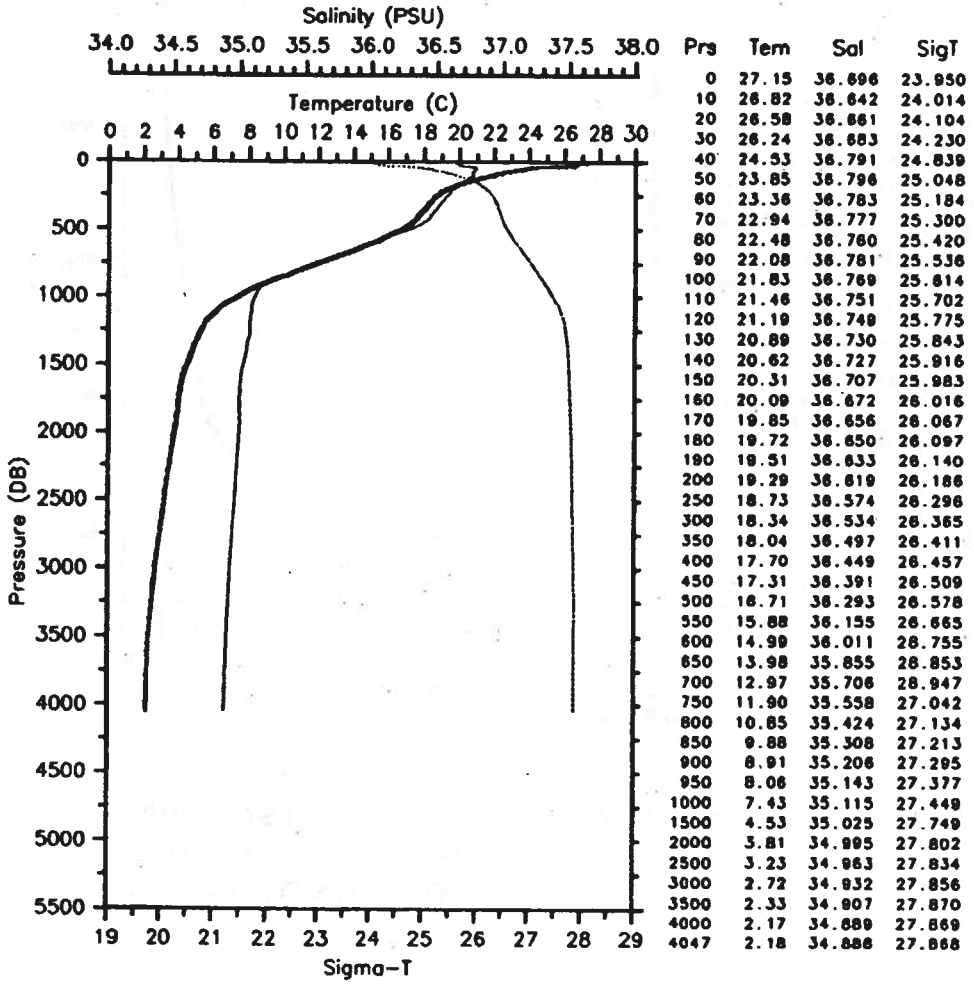
Prs	Tem	Sal	SigT
0	27.45	36.751	23.894
10	27.36	36.893	23.881
20	27.16	36.713	23.956
30	24.87	36.752	24.709
40	23.58	36.765	25.111
50	22.64	36.739	25.358
60	22.18	36.742	25.491
70	21.67	36.729	25.627
80	21.19	36.719	25.753
90	20.81	36.703	25.846
100	20.50	36.690	25.920
110	20.25	36.678	25.978
120	19.91	36.663	26.057
130	19.68	36.646	26.103
140	19.57	36.638	26.127
150	19.41	36.627	26.160
160	19.28	36.619	26.188
170	19.13	36.609	26.219
180	19.03	36.602	26.238
190	18.94	36.596	26.259
200	18.83	36.585	26.278
250	18.45	36.547	26.345
300	18.17	36.515	26.390
350	17.79	36.483	26.447
400	17.48	36.458	26.491
450	17.05	36.350	26.541
500	16.25	36.214	26.624
550	15.49	36.086	26.700
600	14.37	35.904	26.808
650	13.45	35.782	26.892
700	12.45	35.621	26.984
750	11.43	35.487	27.077
800	10.21	35.335	27.179
850	9.31	35.248	27.263
900	8.33	35.153	27.344
950	7.65	35.110	27.413
1000	7.05	35.094	27.486
1500	4.48	35.019	27.750
2000	3.78	34.988	27.799
2500	3.27	34.964	27.831
3000	2.79	34.937	27.854
3500	2.44	34.914	27.867
4000	2.27	34.898	27.888
4364	2.21	34.889	27.885

BAL-STACS36-90 CTD 54 BALDRIGE
Date 07 05 90 Latitude 29.325N
Time 2055 Z Longitude 73.227W



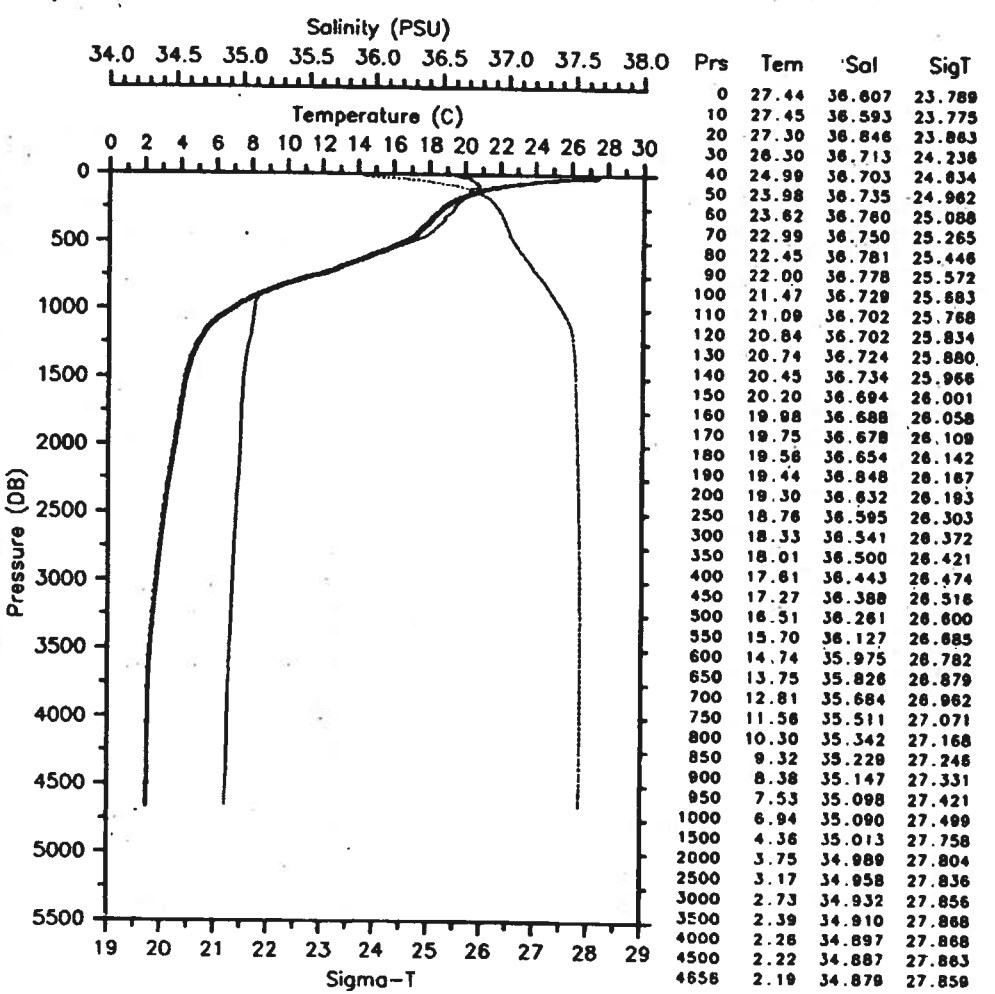
Prs	Tem	Sal	SigT
0	27.74	36.547	23.845
10	27.13	36.710	23.969
20	26.74	36.729	24.105
30	24.98	36.731	24.860
40	24.26	36.746	24.887
50	23.85	36.736	25.002
60	23.49	36.740	25.114
70	23.08	36.734	25.227
80	22.47	36.728	25.399
90	21.90	36.704	25.544
100	21.43	36.725	25.691
110	21.10	36.725	25.780
120	20.88	36.726	25.843
130	20.65	36.738	25.915
140	20.40	36.718	25.988
150	20.05	36.684	26.054
160	19.81	36.667	26.085
170	19.60	36.647	26.126
180	19.42	36.632	26.161
190	19.27	36.620	26.192
200	19.14	36.610	26.217
250	18.64	36.566	26.311
300	18.30	36.530	26.370
350	17.96	36.487	26.422
400	17.61	36.440	26.473
450	17.09	36.358	26.535
500	16.36	36.233	26.614
550	15.63	36.109	26.688
600	14.55	35.940	26.797
650	13.63	35.801	26.884
700	12.86	35.662	26.974
750	11.55	35.509	27.072
800	10.63	35.389	27.146
850	9.70	35.282	27.223
900	8.68	35.185	27.315
950	7.89	35.125	27.389
1000	7.15	35.104	27.480
1500	4.49	35.028	27.755
2000	3.80	34.993	27.801
2500	3.23	34.963	27.834
3000	2.77	34.935	27.854
3500	2.39	34.911	27.868
4000	2.22	34.894	27.889
4234	2.20	34.886	27.886

BAL-STACS36-90 CTD 55 BALDRIGE
Date 07 06 90 Latitude 29.605N
Time 0111 Z Longitude 73.423W



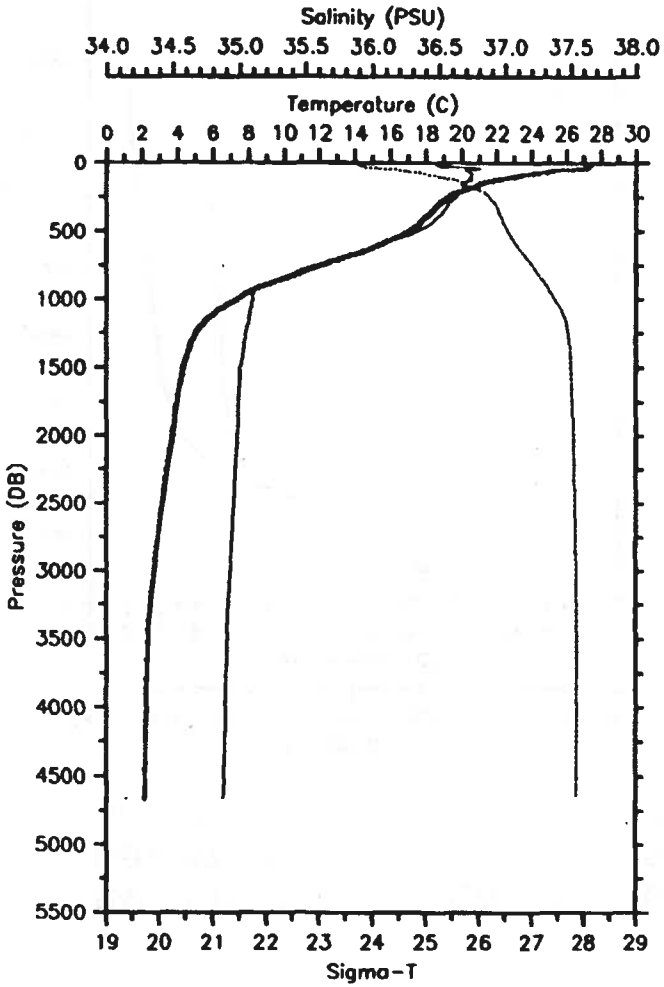
Prs	Tem	Sal	SigT
0	27.15	36.696	23.950
10	26.82	36.642	24.014
20	26.58	36.661	24.104
30	26.24	36.683	24.230
40	24.53	36.791	24.839
50	23.85	36.796	25.048
60	23.36	36.783	25.184
70	22.94	36.777	25.300
80	22.48	36.760	25.420
90	22.08	36.781	25.536
100	21.83	36.769	25.614
110	21.46	36.751	25.702
120	21.19	36.748	25.775
130	20.89	36.730	25.843
140	20.62	36.727	25.916
150	20.31	36.707	25.983
160	20.09	36.672	26.016
170	19.85	36.656	26.067
180	19.72	36.650	26.097
190	19.51	36.633	26.140
200	19.29	36.619	26.186
250	18.73	36.574	26.296
300	18.34	36.534	26.365
350	18.04	36.497	26.411
400	17.70	36.449	26.457
450	17.31	36.391	26.509
500	16.71	36.293	26.578
550	15.88	36.155	26.665
600	14.99	36.011	26.755
650	13.98	35.855	26.853
700	12.97	35.706	26.947
750	11.90	35.558	27.042
800	10.85	35.424	27.134
850	9.88	35.308	27.213
900	8.91	35.206	27.295
950	8.06	35.143	27.377
1000	7.43	35.115	27.449
1500	4.53	35.025	27.749
2000	3.81	34.995	27.802
2500	3.23	34.963	27.834
3000	2.72	34.932	27.856
3500	2.33	34.907	27.870
4000	2.17	34.889	27.869
4047	2.18	34.888	27.868

BAL-STACS36-90 CTD 56 BALDRIGE
Date 07 06 90 Latitude 29.047N
Time 0656 Z Longitude 73.622W



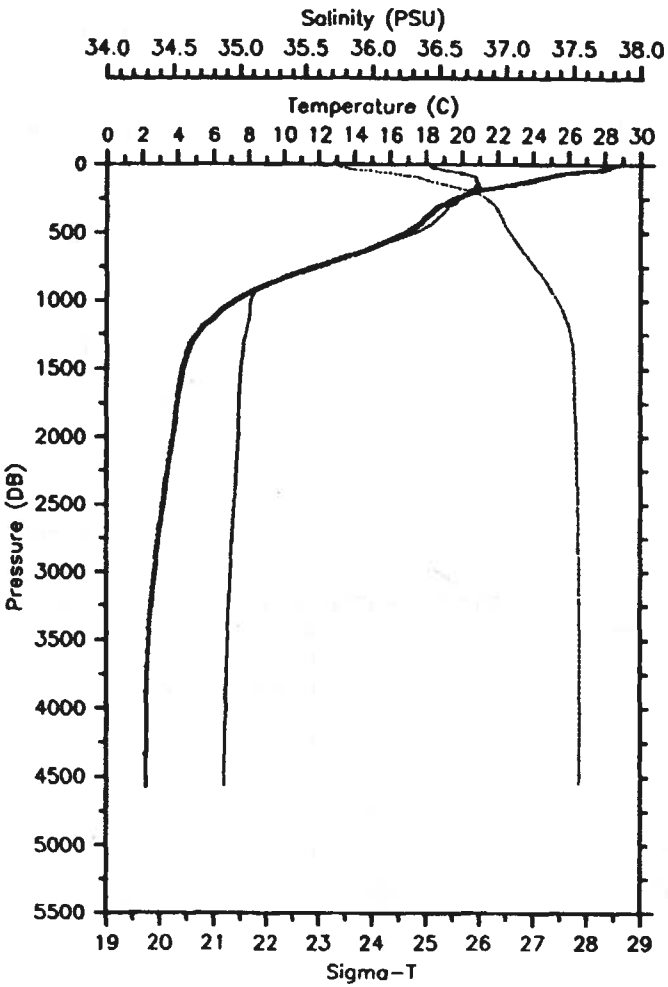
Prs	Tem	Sal	SigT
0	27.44	36.807	23.789
10	27.45	36.593	23.775
20	27.30	36.846	23.863
30	26.30	36.713	24.238
40	24.99	36.703	24.834
50	23.98	36.735	24.962
60	23.62	36.760	25.088
70	22.99	36.750	25.265
80	22.45	36.781	25.446
90	22.00	36.778	25.572
100	21.47	36.729	25.683
110	21.09	36.702	25.768
120	20.84	36.702	25.834
130	20.74	36.724	25.880
140	20.45	36.734	25.966
150	20.20	36.694	26.001
160	19.98	36.688	26.058
170	19.75	36.678	26.109
180	19.56	36.654	26.142
190	19.44	36.848	26.187
200	19.30	36.632	26.193
250	18.76	36.595	26.303
300	18.33	36.541	26.372
350	18.01	36.500	26.421
400	17.61	36.443	26.474
450	17.27	36.388	26.516
500	16.51	36.261	26.600
550	15.70	36.127	26.685
600	14.74	35.975	26.782
650	13.75	35.826	26.879
700	12.81	35.684	26.962
750	11.56	35.511	27.071
800	10.30	35.342	27.168
850	9.32	35.229	27.246
900	8.38	35.147	27.331
950	7.53	35.098	27.421
1000	6.94	35.090	27.499
1500	4.36	35.013	27.758
2000	3.75	34.989	27.804
2500	3.17	34.958	27.836
3000	2.73	34.932	27.856
3500	2.39	34.910	27.868
4000	2.26	34.897	27.868
4500	2.22	34.887	27.863
4656	2.19	34.879	27.859

BAL-STACS36-90 CTD 57 BALDRIGE
Date 07 06 90 Latitude 28.520N
Time 1251 Z Longitude 73.835W



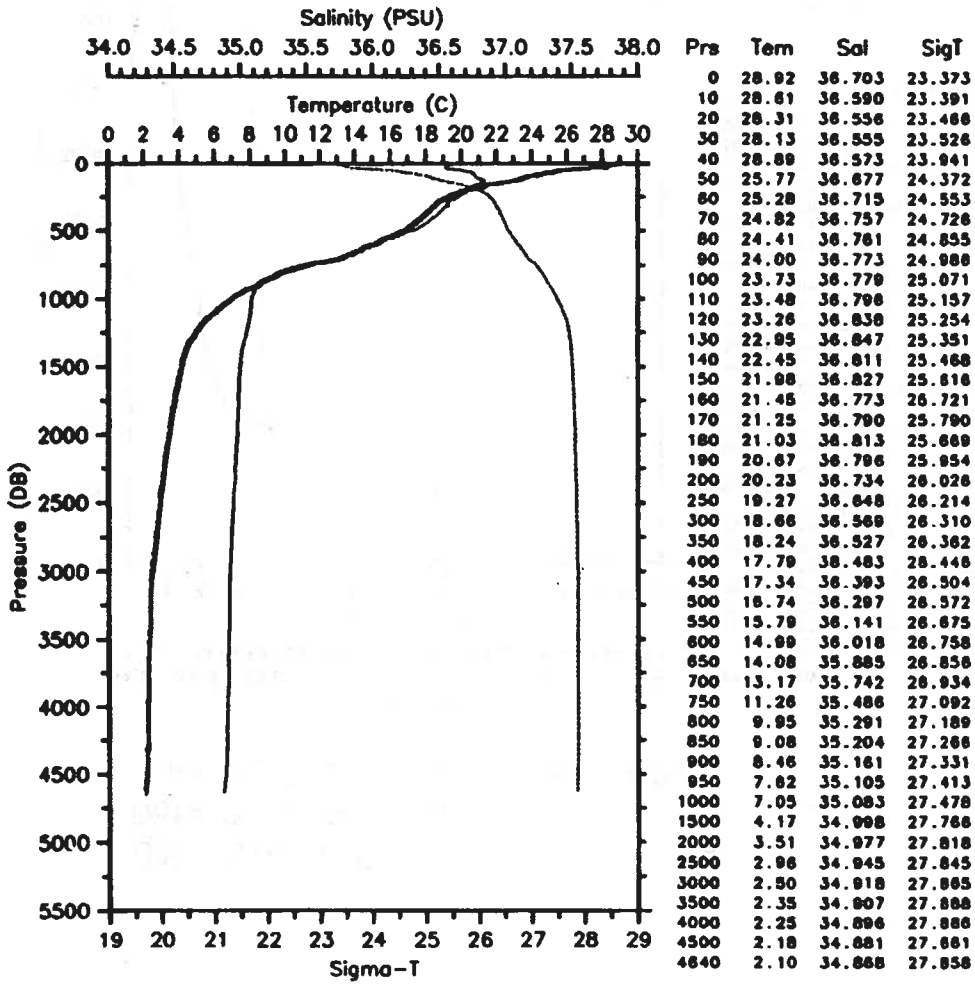
Prs	Tem	Sal	SigT
0	27.35	36.586	23.801
10	27.46	36.502	23.703
20	27.25	36.489	23.763
30	27.18	36.543	23.823
40	27.00	36.603	24.080
50	25.78	36.742	24.425
60	25.07	36.714	24.619
70	24.51	36.732	24.802
80	23.88	36.746	25.000
90	23.35	36.744	25.158
100	22.96	36.741	25.267
110	22.52	36.735	25.391
120	22.02	36.728	25.527
130	21.65	36.737	25.638
140	21.29	36.692	25.704
150	21.04	36.683	25.751
160	20.99	36.661	25.779
170	20.81	36.689	25.834
180	20.56	36.687	25.899
190	20.28	36.676	25.973
200	20.03	36.664	26.025
250	19.25	36.625	26.200
300	18.70	36.589	26.299
350	18.34	36.533	26.362
400	17.92	36.480	26.428
450	17.57	36.432	26.478
500	16.98	36.336	26.547
550	16.21	36.207	26.629
600	15.36	36.071	26.719
650	14.40	35.926	26.821
700	13.18	35.728	26.922
750	12.07	35.576	27.022
800	11.00	35.426	27.108
850	9.92	35.294	27.198
900	8.82	35.179	27.288
950	7.85	35.105	27.365
1000	7.37	35.103	27.448
1500	4.32	35.002	27.754
2000	3.73	34.987	27.804
2500	3.19	34.958	27.834
3000	2.71	34.931	27.856
3500	2.37	34.909	27.868
4000	2.27	34.898	27.866
4500	2.22	34.886	27.863
4658	2.19	34.879	27.860

BAL-STACS36-90 CTD 58 BALDRIGE
Date 07 07 90 Latitude 26.510N
Time 0058 Z Longitude 74.755W



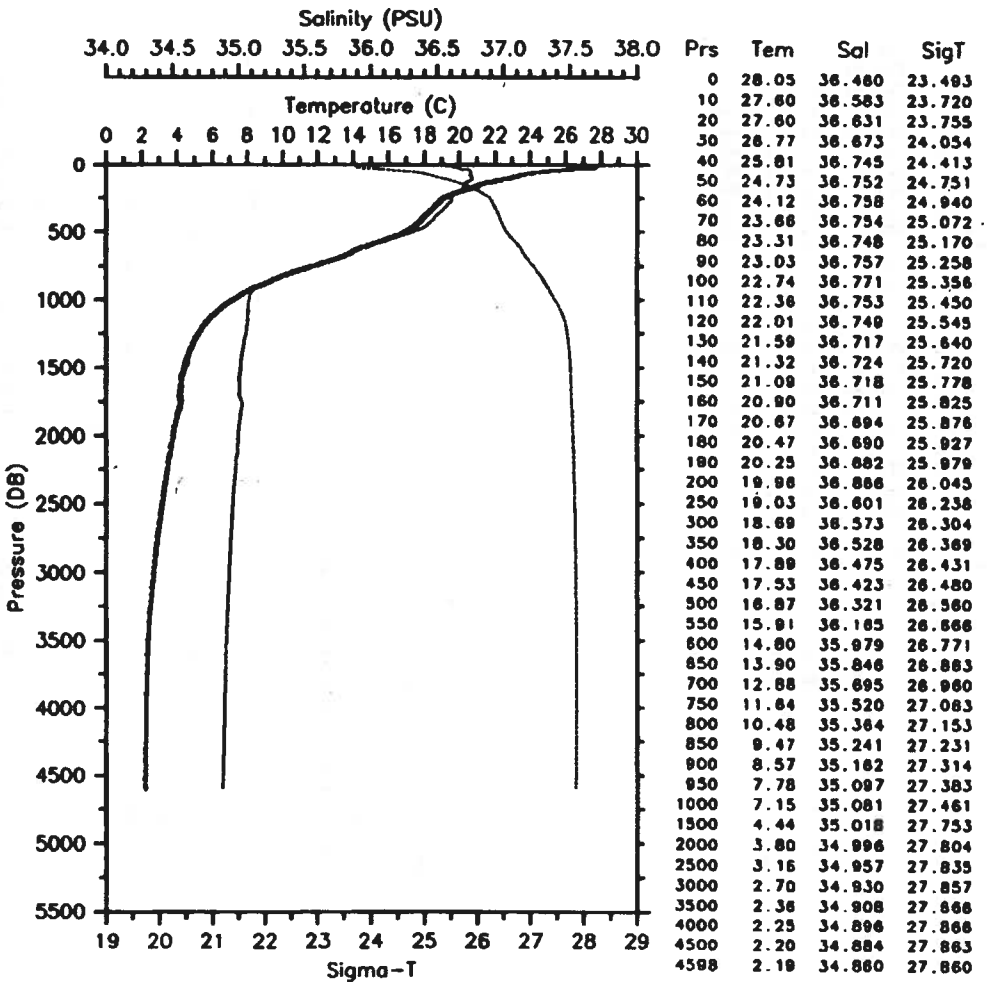
Prs	Tem	Sal	SigT
0	28.38	36.508	23.405
10	28.32	36.432	23.371
20	28.21	36.438	23.409
30	27.99	36.464	23.503
40	27.68	36.529	23.657
50	26.75	36.602	24.005
60	26.05	36.676	24.284
70	25.52	36.665	24.442
80	25.12	36.728	24.613
90	24.71	36.768	24.769
100	24.30	36.781	24.901
110	24.04	36.773	24.975
120	23.80	36.767	25.056
130	23.35	36.790	25.190
140	22.99	36.794	25.300
150	22.51	36.775	25.423
160	22.22	36.783	25.512
170	21.83	36.788	25.626
180	21.31	36.732	25.729
190	20.92	36.710	25.820
200	20.75	36.753	25.898
250	19.54	36.650	26.143
300	18.79	36.584	26.288
350	18.36	36.535	26.359
400	17.91	36.480	26.431
450	17.47	36.420	26.491
500	16.83	36.324	26.572
550	16.00	36.185	26.660
600	15.15	36.047	26.748
650	14.19	35.898	26.841
700	13.04	35.716	26.941
750	11.82	35.533	27.037
800	10.68	35.385	27.137
850	9.69	35.267	27.214
900	8.68	35.161	27.295
950	7.91	35.107	27.373
1000	7.25	35.084	27.450
1500	4.30	35.005	27.758
2000	3.74	34.985	27.800
2500	3.18	34.957	27.834
3000	2.71	34.930	27.855
3500	2.36	34.908	27.868
4000	2.24	34.895	27.868
4500	2.20	34.883	27.862
4563	2.19	34.880	27.860

BAL-STACS36-90 CTD 59 BALDRIGE
Date 07 07 90 Latitude 26.018N
Time 0650 Z Longitude 75.003W



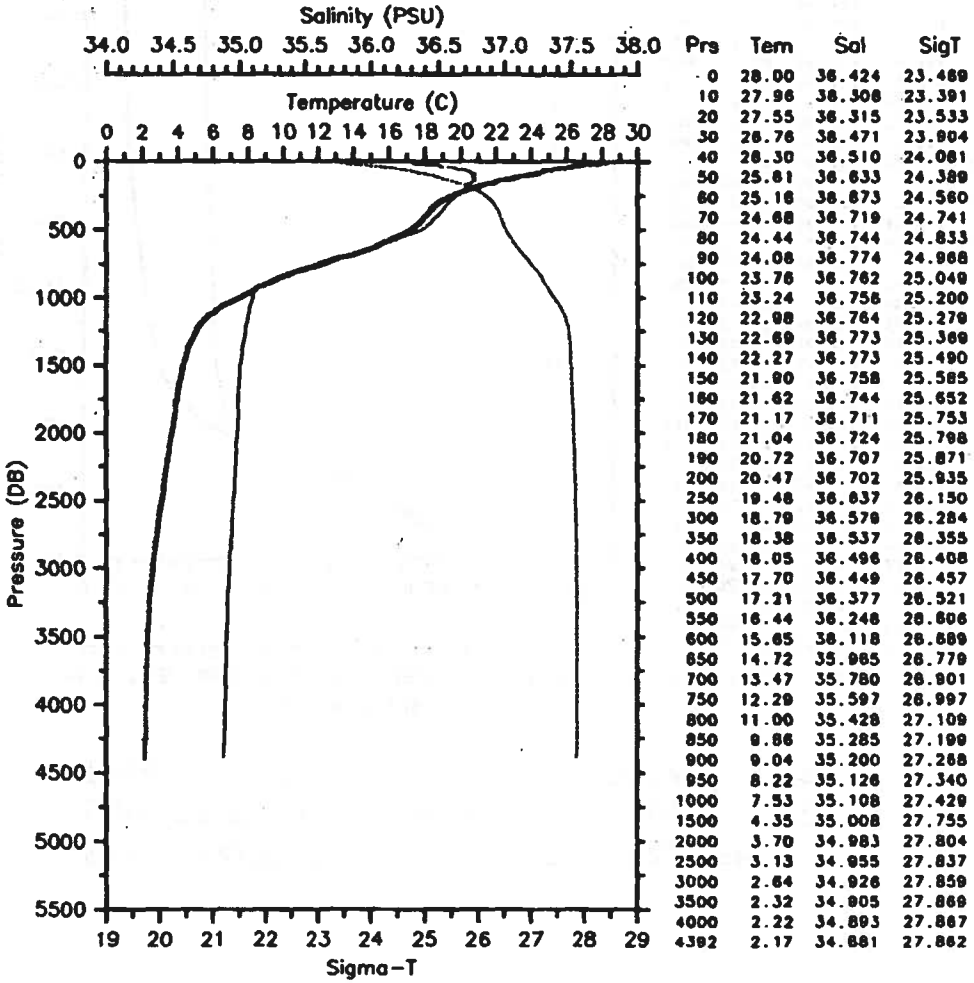
Prs	Tem	Sal	SigT
0	28.92	36.703	23.373
10	28.61	36.590	23.391
20	28.31	36.556	23.466
30	28.13	36.555	23.526
40	28.89	36.573	23.941
50	25.77	36.677	24.372
60	25.28	36.715	24.553
70	24.82	36.757	24.726
80	24.41	36.781	24.855
90	24.00	36.773	24.988
100	23.73	36.779	25.071
110	23.48	36.798	25.157
120	23.26	36.838	25.254
130	22.95	36.847	25.351
140	22.45	36.811	25.468
150	21.98	36.827	25.618
160	21.45	36.773	25.721
170	21.25	36.790	25.790
180	21.03	36.813	25.869
190	20.67	36.796	25.954
200	20.23	36.734	26.028
250	19.27	36.648	26.214
300	18.66	36.569	26.310
350	18.24	36.527	26.362
400	17.79	36.483	26.448
450	17.34	36.393	26.504
500	16.74	36.297	26.572
550	15.79	36.141	26.675
600	14.99	36.018	26.758
650	14.08	35.885	26.856
700	13.17	35.742	26.934
750	11.26	35.486	27.092
800	9.95	35.291	27.189
850	9.08	35.204	27.266
900	8.46	35.161	27.331
950	7.82	35.105	27.413
1000	7.05	35.083	27.478
1500	4.17	34.998	27.766
2000	3.51	34.977	27.818
2500	2.96	34.945	27.845
3000	2.50	34.918	27.865
3500	2.35	34.907	27.868
4000	2.25	34.896	27.886
4500	2.18	34.881	27.881
4640	2.10	34.868	27.858

BAL-STACS36-90 CTD 60 BALDRIGE
Date 07 07 90 Latitude 26.893N
Time 1613 Z Longitude 73.937W



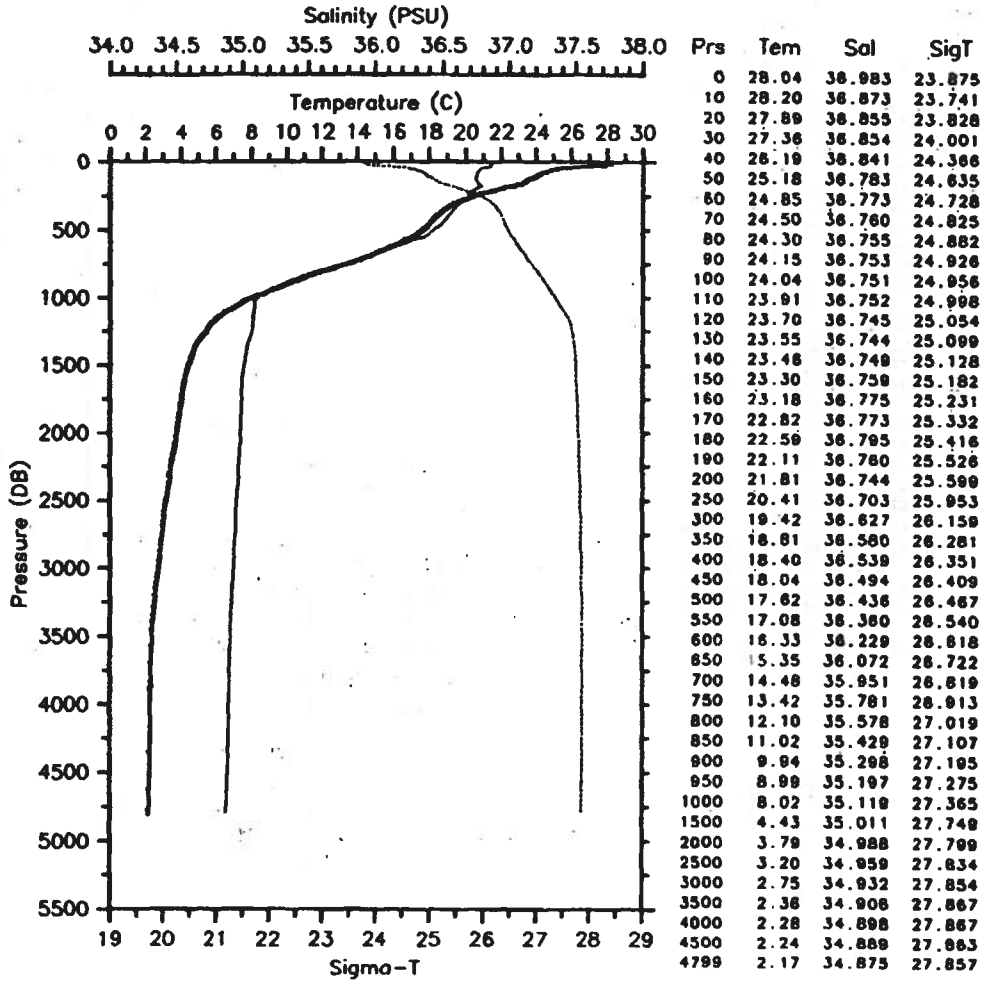
Prs	Tem	Sal	SigT
0	28.05	36.460	23.483
10	27.60	36.583	23.720
20	27.60	36.631	23.755
30	26.77	36.673	24.054
40	25.81	36.745	24.413
50	24.73	36.752	24.751
60	24.12	36.758	24.940
70	23.66	36.754	25.072
80	23.31	36.748	25.170
90	23.03	36.757	25.258
100	22.74	36.771	25.356
110	22.36	36.753	25.450
120	22.01	36.749	25.545
130	21.59	36.717	25.640
140	21.32	36.724	25.720
150	21.09	36.718	25.778
160	20.90	36.711	25.825
170	20.67	36.694	25.876
180	20.47	36.690	25.927
190	20.25	36.682	25.979
200	19.98	36.666	26.045
250	19.03	36.601	26.238
300	18.69	36.573	26.304
350	18.30	36.528	26.369
400	17.89	36.475	26.431
450	17.53	36.423	26.480
500	16.87	36.321	26.560
550	15.91	36.165	26.666
600	14.80	35.979	26.771
650	13.90	35.846	26.863
700	12.88	35.695	26.960
750	11.84	35.520	27.083
800	10.48	35.364	27.153
850	9.47	35.241	27.231
900	8.57	35.162	27.314
950	7.78	35.097	27.383
1000	7.15	35.081	27.461
1500	4.44	35.018	27.753
2000	3.80	34.996	27.804
2500	3.16	34.957	27.835
3000	2.70	34.930	27.857
3500	2.36	34.908	27.868
4000	2.25	34.896	27.868
4500	2.20	34.884	27.863
4598	2.19	34.880	27.860

BAL-STACS36-90 CTD 61 BALDRIGE
Date 07 07 90 Latitude 27.218N
Time 2217 Z Longitude 74.220W



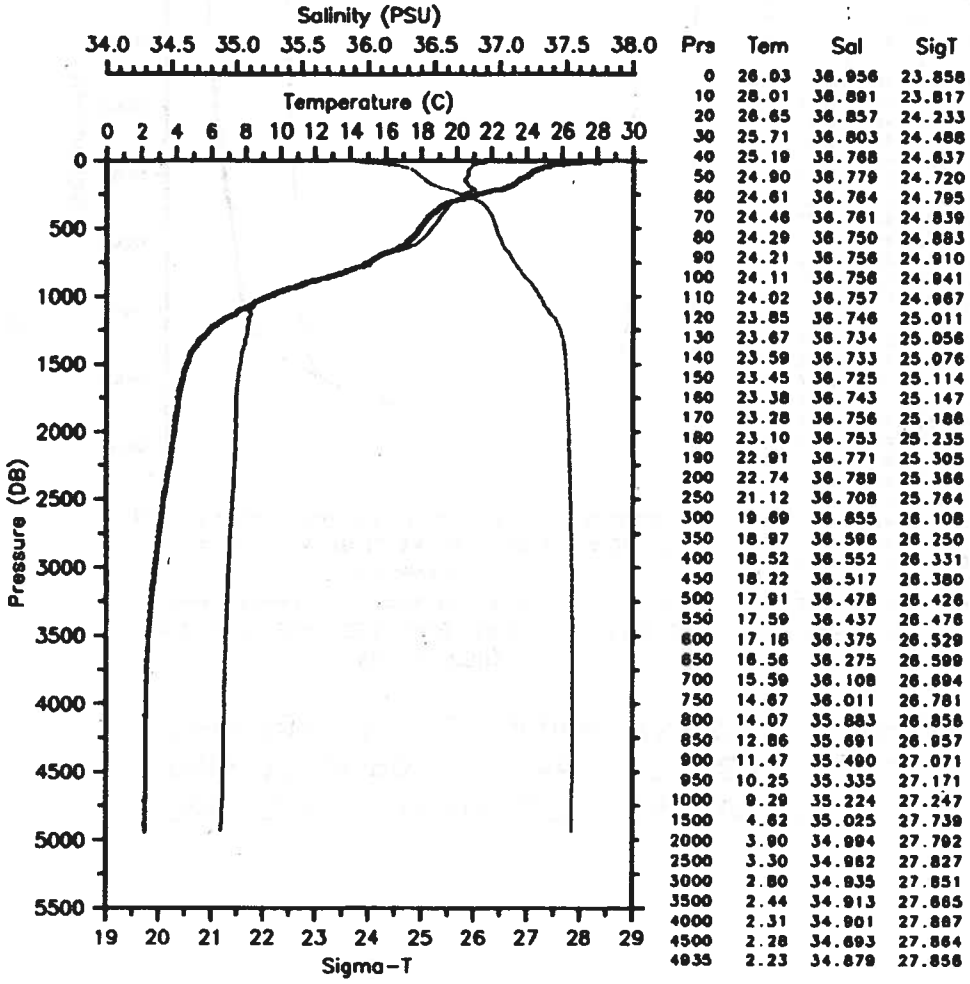
Prs	Tem	Sal	SigT
0	28.00	36.424	23.489
10	27.96	36.308	23.391
20	27.55	36.315	23.533
30	26.76	36.471	23.904
40	26.30	36.510	24.081
50	25.81	36.633	24.389
60	25.16	36.673	24.560
70	24.68	36.719	24.741
80	24.44	36.744	24.833
90	24.08	36.774	24.968
100	23.76	36.762	25.049
110	23.24	36.758	25.200
120	22.98	36.764	25.278
130	22.69	36.773	25.369
140	22.27	36.773	25.490
150	21.90	36.758	25.585
160	21.62	36.744	25.652
170	21.17	36.711	25.753
180	21.04	36.724	25.798
190	20.72	36.707	25.871
200	20.47	36.702	25.935
250	19.48	36.637	26.150
300	18.79	36.578	26.284
350	18.38	36.537	26.355
400	18.05	36.496	26.408
450	17.70	36.449	26.457
500	17.21	36.377	26.521
550	16.44	36.248	26.606
600	15.65	36.118	26.689
650	14.72	35.985	26.779
700	13.47	35.780	26.901
750	12.29	35.597	26.997
800	11.00	35.428	27.109
850	9.86	35.285	27.199
900	9.04	35.200	27.268
950	8.22	35.126	27.340
1000	7.53	35.108	27.429
1500	4.35	35.008	27.755
2000	3.70	34.983	27.804
2500	3.13	34.955	27.837
3000	2.64	34.926	27.859
3500	2.32	34.905	27.869
4000	2.22	34.893	27.867
4392	2.17	34.881	27.862

BAL-STACS36-90 CTD 62 BALDRIGE
Date 07 08 90 Latitude 27.527N
Time 0328 Z Longitude 74.540W



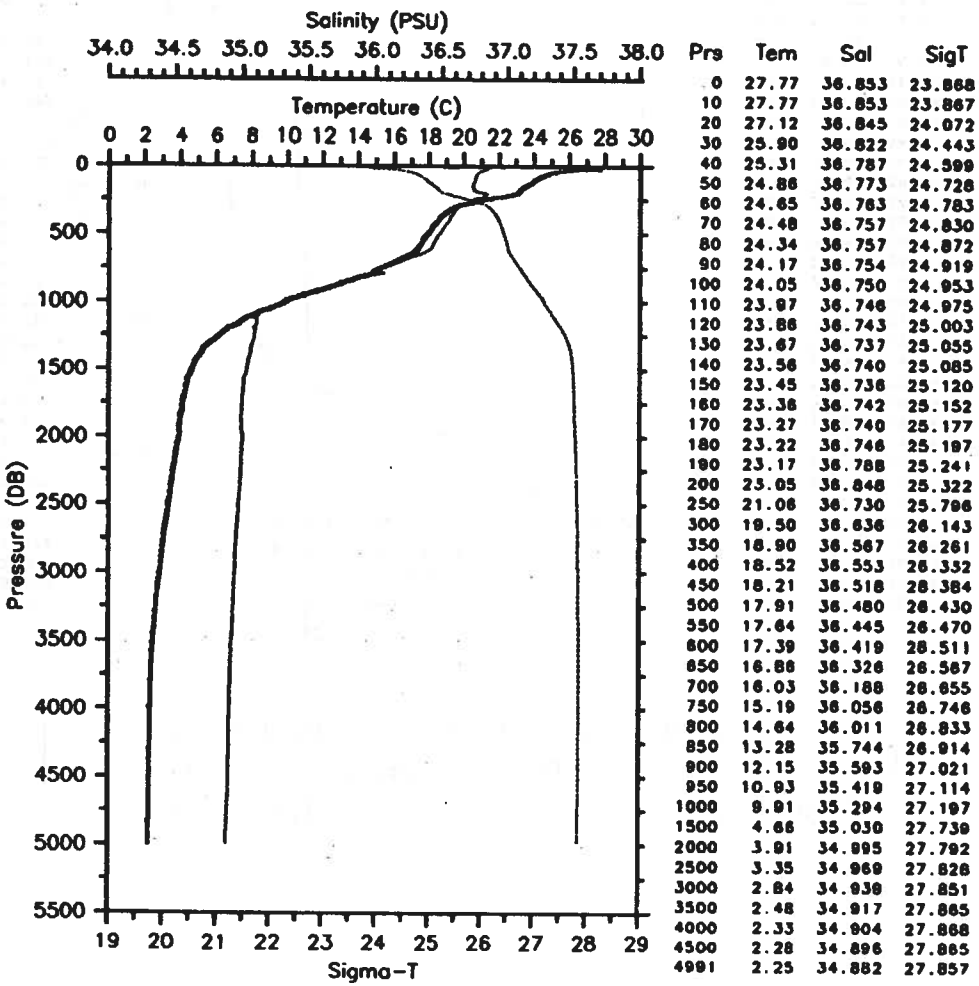
Prs	Tem	Sal	SigT
0	28.04	36.983	23.875
10	28.20	36.873	23.741
20	27.89	36.855	23.828
30	27.36	36.854	24.001
40	26.19	36.841	24.366
50	25.18	36.783	24.635
60	24.85	36.773	24.728
70	24.50	36.760	24.825
80	24.30	36.755	24.882
90	24.15	36.753	24.926
100	24.04	36.751	24.956
110	23.91	36.752	24.998
120	23.70	36.745	25.054
130	23.55	36.744	25.099
140	23.48	36.748	25.128
150	23.30	36.758	25.182
160	23.18	36.775	25.231
170	22.82	36.773	25.332
180	22.58	36.795	25.416
190	22.11	36.780	25.526
200	21.81	36.744	25.589
250	20.41	36.703	25.953
300	19.42	36.627	26.159
350	18.81	36.580	26.281
400	18.40	36.539	26.351
450	18.04	36.494	26.409
500	17.62	36.436	26.467
550	17.08	36.380	26.540
600	16.33	36.229	26.618
650	15.35	36.072	26.722
700	14.48	35.951	26.819
750	13.42	35.781	26.913
800	12.10	35.578	27.019
850	11.02	35.429	27.107
900	9.94	35.298	27.195
950	8.99	35.197	27.275
1000	8.02	35.118	27.365
1500	4.43	35.011	27.748
2000	3.79	34.988	27.799
2500	3.20	34.959	27.834
3000	2.75	34.932	27.854
3500	2.38	34.908	27.867
4000	2.28	34.898	27.867
4500	2.24	34.889	27.863
4799	2.17	34.875	27.857

BAL-STACS36-90 CTD 63 BALDRIGE
Date 07 08 90 Latitude 27.830N
Time 0850 Z Longitude 74.848W



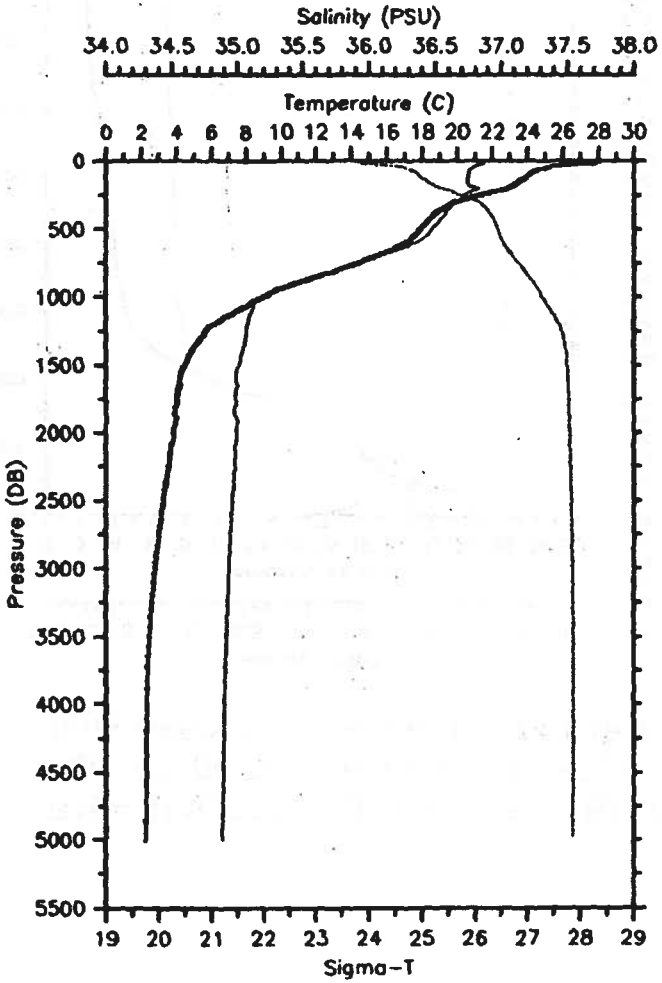
Prs	Tem	Sal	SigT
0	26.03	36.956	23.858
10	26.01	36.891	23.817
20	26.65	36.857	24.233
30	25.71	36.803	24.488
40	25.19	36.768	24.637
50	24.90	36.779	24.720
60	24.61	36.764	24.795
70	24.46	36.761	24.839
80	24.29	36.750	24.883
90	24.21	36.756	24.910
100	24.11	36.756	24.941
110	24.02	36.757	24.967
120	23.85	36.746	25.011
130	23.67	36.734	25.056
140	23.59	36.733	25.076
150	23.45	36.725	25.114
160	23.38	36.743	25.147
170	23.28	36.756	25.186
180	23.10	36.753	25.235
190	22.91	36.771	25.305
200	22.74	36.789	25.366
250	21.12	36.708	25.764
300	19.69	36.655	26.108
350	18.97	36.596	26.250
400	18.52	36.552	26.331
450	18.22	36.517	26.380
500	17.91	36.478	26.426
550	17.59	36.437	26.476
600	17.18	36.375	26.529
650	16.56	36.275	26.599
700	15.59	36.108	26.694
750	14.67	36.011	26.781
800	14.07	35.883	26.858
850	12.86	35.691	26.957
900	11.47	35.490	27.071
950	10.25	35.335	27.171
1000	9.29	35.224	27.247
1500	4.62	35.025	27.739
2000	3.90	34.994	27.792
2500	3.30	34.982	27.827
3000	2.80	34.935	27.851
3500	2.44	34.913	27.865
4000	2.31	34.901	27.867
4500	2.28	34.893	27.864
4935	2.23	34.879	27.856

BAL-STACS36-90 CTD 64 BALDRIGE
Date 07 08 90 Latitude 27.843N
Time 1349 Z Longitude 75.267W



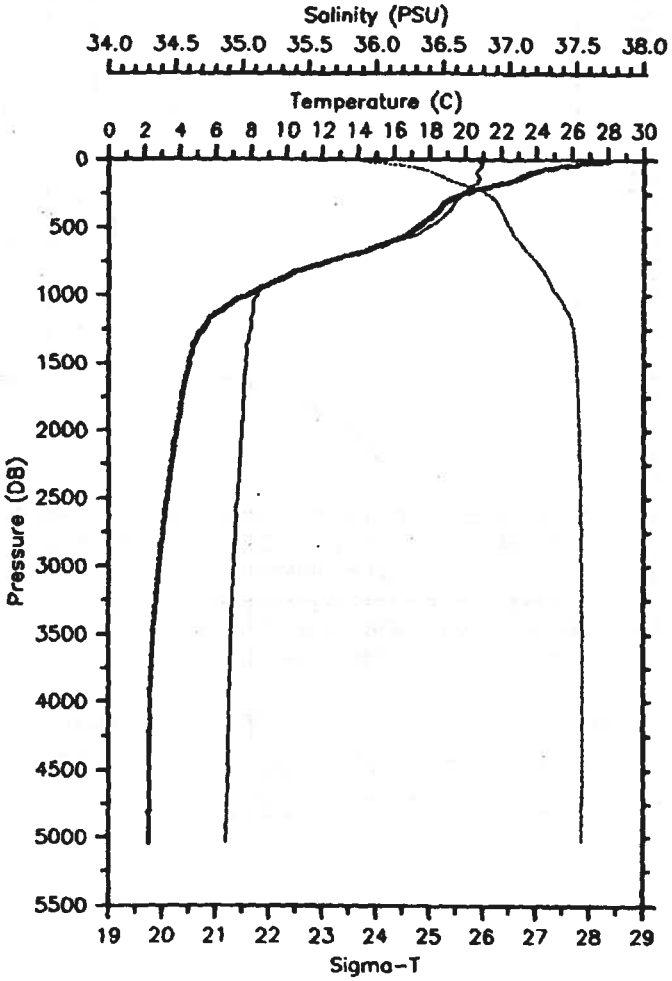
Prs	Tem	Sal	SigT
0	27.77	36.853	23.868
10	27.77	36.853	23.867
20	27.12	36.845	24.072
30	25.90	36.822	24.443
40	25.31	36.787	24.599
50	24.86	36.773	24.728
60	24.65	36.763	24.783
70	24.48	36.757	24.830
80	24.34	36.757	24.872
90	24.17	36.754	24.919
100	24.05	36.750	24.953
110	23.97	36.746	24.975
120	23.86	36.743	25.003
130	23.67	36.737	25.055
140	23.56	36.740	25.085
150	23.45	36.736	25.120
160	23.38	36.742	25.152
170	23.27	36.740	25.177
180	23.22	36.746	25.197
190	23.17	36.788	25.241
200	23.05	36.848	25.322
250	21.06	36.730	25.796
300	19.50	36.636	26.143
350	18.90	36.567	26.261
400	18.52	36.553	26.352
450	18.21	36.518	26.384
500	17.91	36.480	26.430
550	17.64	36.445	26.470
600	17.39	36.419	26.511
650	16.88	36.328	26.587
700	16.03	36.188	26.655
750	15.19	36.056	26.746
800	14.64	36.011	26.833
850	13.28	35.744	26.914
900	12.15	35.593	27.021
950	10.93	35.419	27.114
1000	9.91	35.294	27.197
1500	4.66	35.030	27.739
2000	3.91	34.995	27.792
2500	3.35	34.969	27.828
3000	2.84	34.939	27.851
3500	2.48	34.917	27.865
4000	2.33	34.904	27.868
4500	2.28	34.896	27.865
4991	2.25	34.882	27.857

BAL-STACS36-90 CTD 65 BALDRIGE
Date 07 08 90 Latitude 27.848N
Time 1848 Z Longitude 75.688W



Prs	Tem	Sal	SigT
0	28.05	36.850	23.772
10	27.82	36.839	23.840
20	27.73	36.865	23.888
30	26.53	36.841	24.259
40	25.40	36.790	24.573
50	25.07	36.786	24.672
60	24.68	36.768	24.778
70	24.48	36.754	24.828
80	24.33	36.753	24.870
90	24.20	36.752	24.910
100	24.11	36.750	24.935
110	24.02	36.749	24.962
120	23.94	36.748	24.986
130	23.73	36.741	25.043
140	23.58	36.739	25.086
150	23.50	36.740	25.108
160	23.42	36.744	25.137
170	23.28	36.745	25.178
180	23.11	36.751	25.230
190	23.01	36.792	25.295
200	22.75	36.836	25.400
250	21.14	36.722	25.768
300	19.74	36.650	26.090
350	19.09	36.605	26.228
400	18.61	36.565	26.320
450	18.23	36.521	26.382
500	17.80	36.478	26.431
550	17.53	36.427	26.482
600	17.02	36.352	26.547
650	16.32	36.234	26.625
700	15.33	36.075	26.729
750	14.28	35.910	26.832
800	13.20	35.742	26.927
850	12.03	35.573	27.030
900	10.85	35.410	27.124
950	9.71	35.270	27.212
1000	8.65	35.191	27.276
1500	4.50	35.011	27.741
2000	3.88	34.997	27.798
2500	3.28	34.965	27.831
3000	2.79	34.937	27.854
3500	2.47	34.917	27.866
4000	2.32	34.903	27.878
4500	2.29	34.898	27.865
5000	2.24	34.882	27.857

BAL-STACS36-90 CTD 66 BALDRIGE
Date 07 09 90 Latitude 27.848N
Time 0031 Z Longitude 76.255W

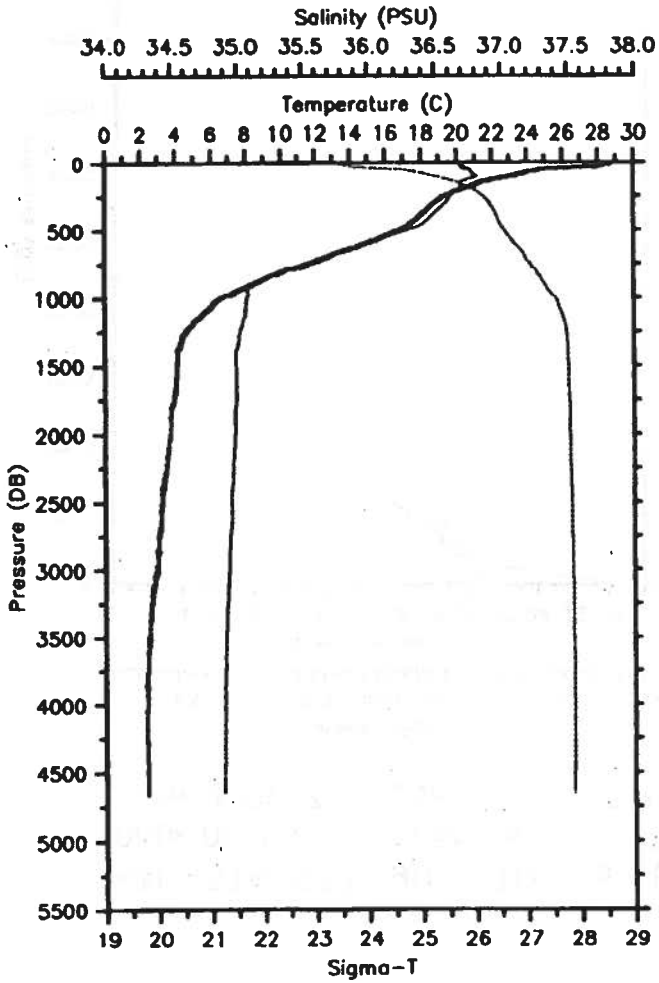


Prs	Tem	Sal	Si
0	27.94	36.826	23.
10	27.89	36.762	23.
20	27.60	36.798	23.
30	26.62	36.786	24.
40	25.65	36.788	24.
50	25.30	36.791	24.
60	24.90	36.791	24.
70	24.41	36.776	24.
80	24.14	36.764	24.
90	23.82	36.753	25.
100	23.58	36.755	25.
110	23.38	36.750	25.
120	23.20	36.758	25.
130	23.10	36.786	25.
140	22.92	36.771	25.
150	22.66	36.768	25.
160	22.40	36.784	25.
170	22.05	36.760	25.
180	21.79	36.756	25.
190	21.48	36.713	25.
200	21.14	36.701	25.
250	19.81	36.656	26.
300	19.06	36.602	26.
350	18.67	36.572	26.
400	18.25	36.523	26.
450	17.62	36.467	26.
500	17.31	36.392	26.
550	16.61	36.313	26.
600	15.78	36.146	26.
650	14.74	35.974	26.
700	13.60	35.805	26.
750	12.29	35.808	27.
800	11.10	35.443	27.
850	10.17	35.324	27.
900	9.36	35.234	27.
950	8.54	35.152	27.
1000	7.81	35.113	27.
1500	4.55	35.029	27.
2000	3.82	34.997	27.
2500	3.30	34.967	27.
3000	2.83	34.938	27.
3500	2.50	34.917	27.
4000	2.32	34.902	27.
4500	2.28	34.894	27.
5000	2.24	34.880	27.
5043	2.25	34.880	27.

BAL-STACS36-90 CTD 67 BALDRIGE

Date 07 09 90 Latitude 27.843N

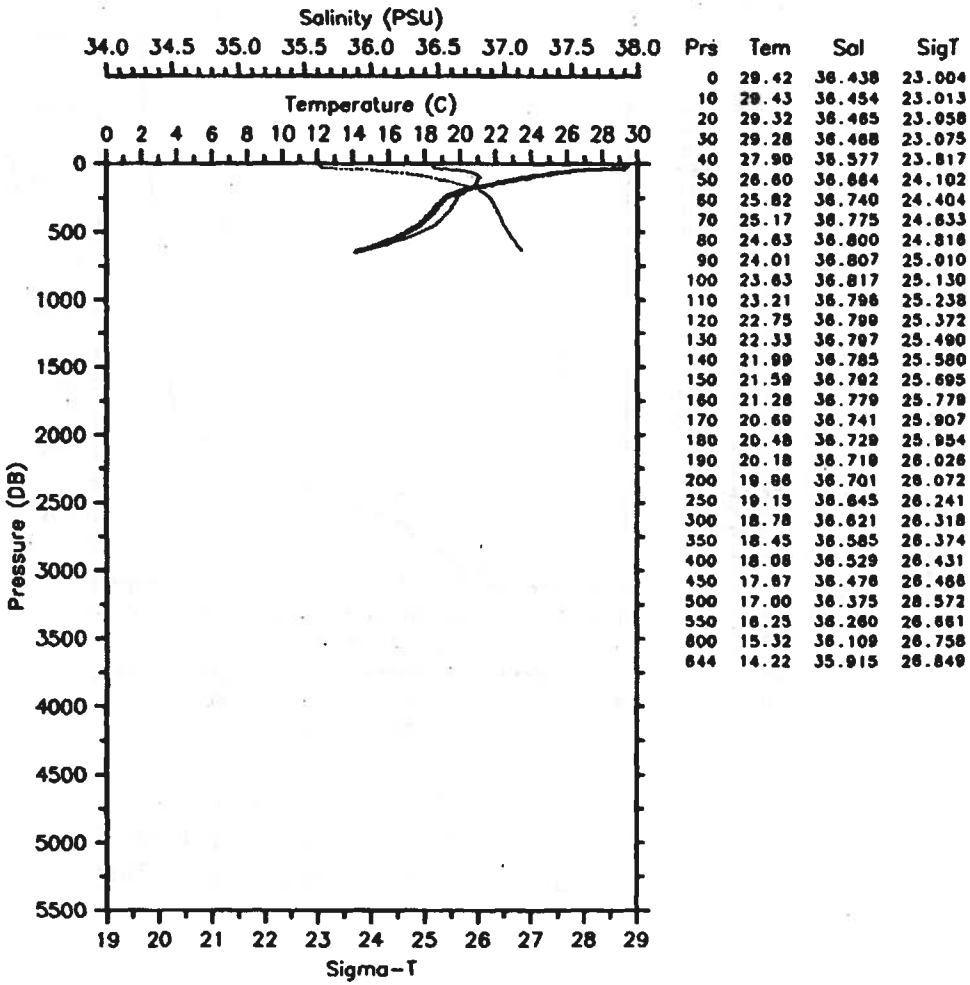
Time 0330 Z Longitude 76.577W



Prs	Tem	Sal	SigT
0	26.40	36.887	23.666
10	28.65	36.687	23.452
20	28.27	36.697	23.585
30	27.95	36.714	23.701
40	26.75	36.722	24.096
50	25.15	36.762	24.628
60	24.57	36.772	24.814
70	24.09	36.774	24.980
80	23.79	36.797	25.067
90	23.40	36.786	25.173
100	23.09	36.830	25.296
110	22.68	36.820	25.407
120	22.29	36.771	25.484
130	21.89	36.735	25.569
140	21.49	36.709	25.662
150	21.30	36.705	25.712
160	21.07	36.701	25.772
170	20.87	36.701	25.826
180	20.61	36.708	25.904
190	20.41	36.701	25.951
200	20.20	36.689	25.999
250	19.27	36.622	26.192
300	18.78	36.584	26.291
350	18.35	36.535	26.383
400	17.90	36.478	26.430
450	17.46	36.418	26.494
500	16.74	36.302	26.577
550	15.79	36.144	26.676
600	14.79	35.984	26.777
650	13.68	35.819	26.889
700	12.67	35.658	26.989
750	11.58	35.508	27.084
800	10.16	35.322	27.177
850	9.19	35.216	27.257
900	8.34	35.140	27.332
950	7.46	35.090	27.421
1000	6.54	35.084	27.549
1500	4.12	34.994	27.769
2000	3.72	34.985	27.803
2500	3.23	34.959	27.831
3000	2.96	34.942	27.843
3500	2.51	34.917	27.863
4000	2.34	34.903	27.868
4500	2.34	34.898	27.862
4653	2.34	34.895	27.860

BAL-STACS37-90 CTD 6 BALDRIGE

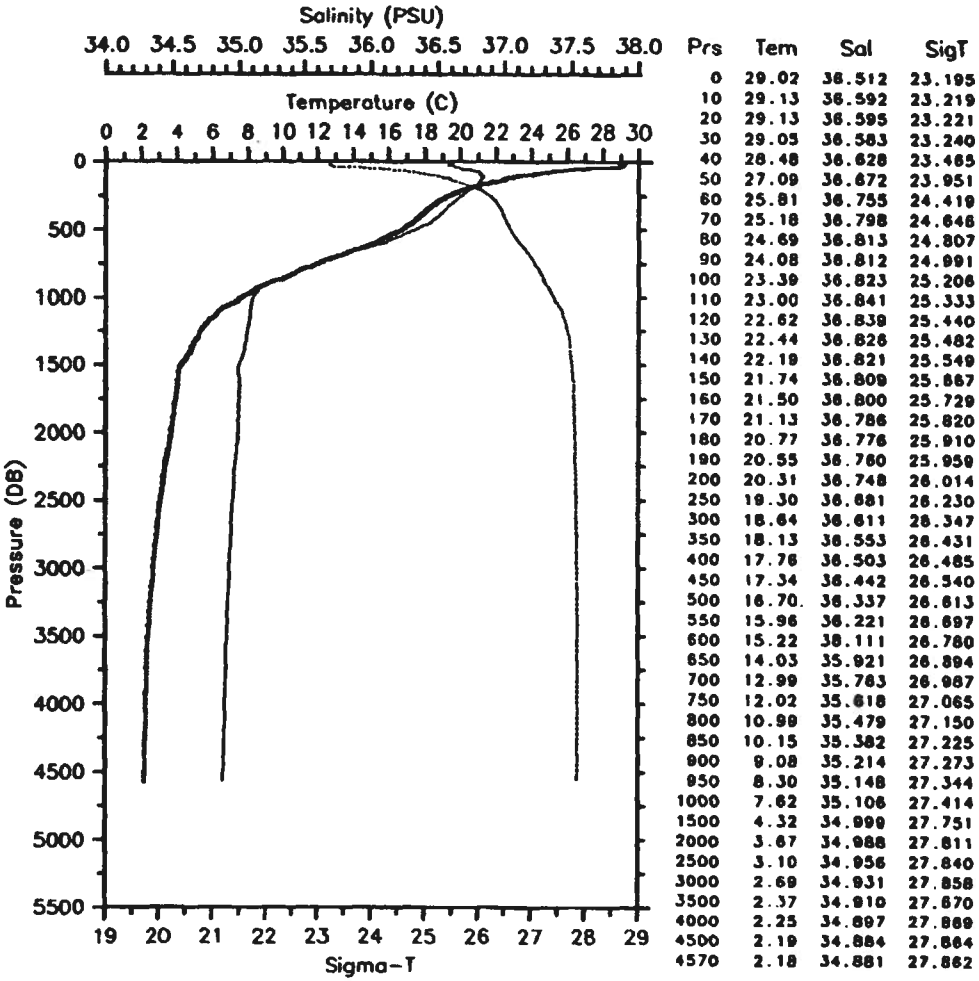
Date 09 09 90 Latitude 26.477N
Time 2308 Z Longitude 75.225W



Prs	Tem	Sal	SigT
0	29.42	36.438	23.004
10	29.43	36.454	23.013
20	29.32	36.465	23.058
30	29.28	36.488	23.075
40	27.90	36.577	23.817
50	26.60	36.664	24.102
60	25.82	36.740	24.404
70	25.17	36.775	24.633
80	24.63	36.800	24.818
90	24.01	36.807	25.010
100	23.63	36.817	25.130
110	23.21	36.798	25.238
120	22.75	36.799	25.372
130	22.33	36.797	25.490
140	21.99	36.785	25.580
150	21.59	36.782	25.695
160	21.28	36.779	25.778
170	20.69	36.741	25.907
180	20.48	36.729	25.954
190	20.18	36.718	26.026
200	19.86	36.701	26.072
250	19.15	36.645	26.241
300	18.78	36.621	26.318
350	18.45	36.585	26.374
400	18.08	36.529	26.431
450	17.67	36.478	26.488
500	17.00	36.375	26.572
550	16.25	36.260	26.661
600	15.32	36.109	26.758
644	14.22	35.915	26.849

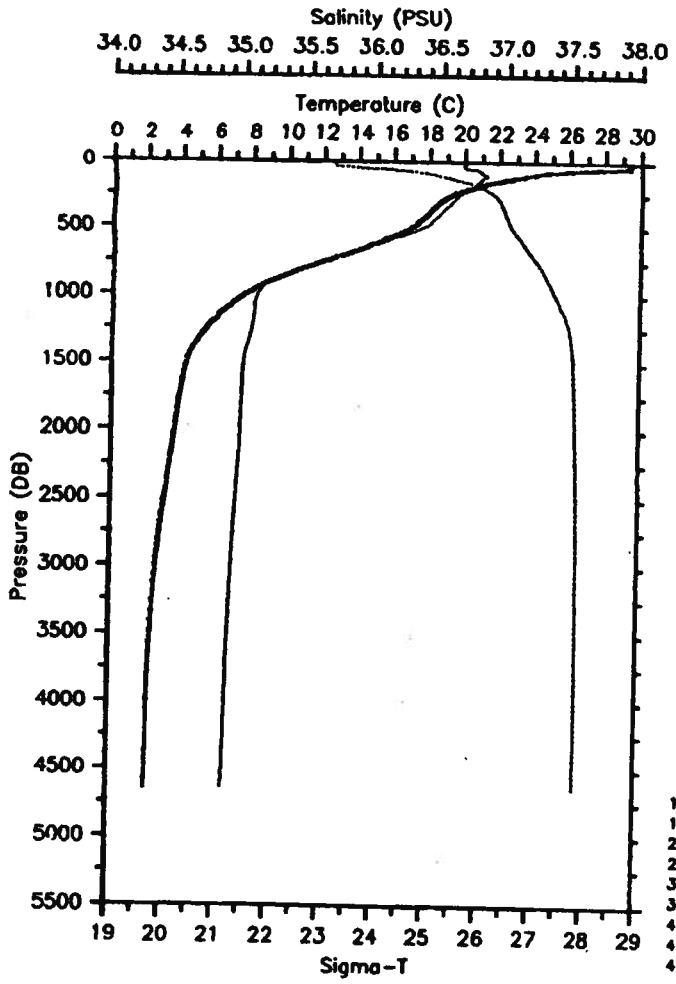
BAL-STACS37-90 CTD 7 BALDRIGE

Date 09 10 90 Latitude 26.481N
Time 0516 Z Longitude 74.515W



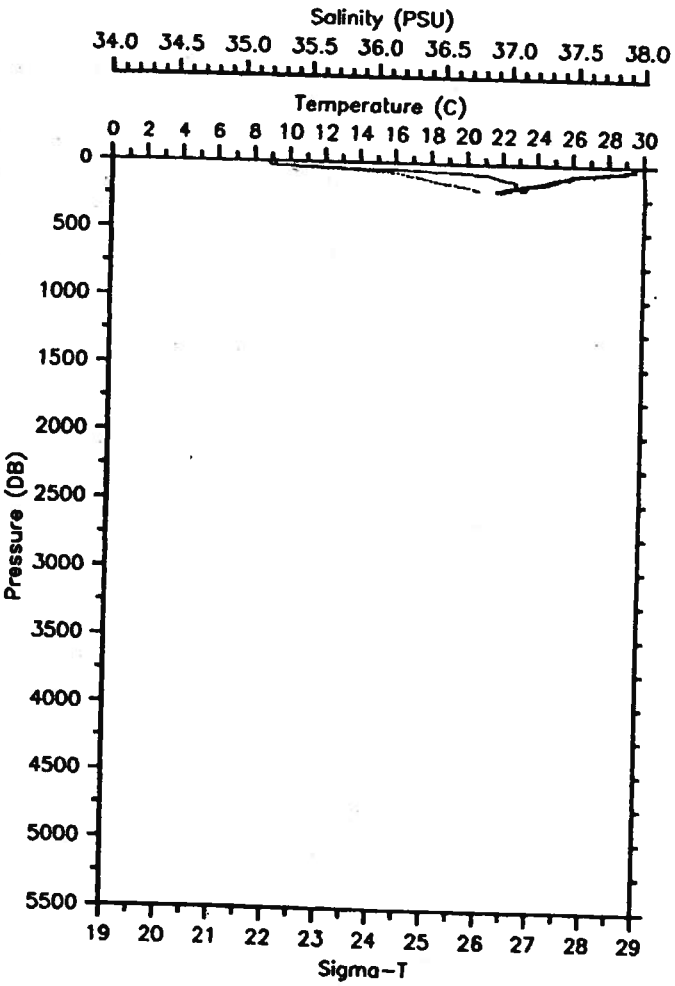
Prs	Tem	Sal	SigT
0	29.02	36.512	23.195
10	29.13	36.592	23.219
20	29.13	36.595	23.221
30	29.05	36.583	23.240
40	28.48	36.628	23.485
50	27.09	36.672	23.951
60	25.81	36.755	24.419
70	25.18	36.798	24.648
80	24.69	36.813	24.807
90	24.08	36.812	24.991
100	23.39	36.823	25.206
110	23.00	36.841	25.333
120	22.62	36.839	25.440
130	22.44	36.826	25.482
140	22.19	36.821	25.549
150	21.74	36.809	25.667
160	21.50	36.800	25.729
170	21.13	36.786	25.820
180	20.77	36.776	25.910
190	20.55	36.760	25.959
200	20.31	36.748	26.014
250	19.30	36.681	26.230
300	18.64	36.611	26.347
350	18.13	36.553	26.431
400	17.76	36.503	26.485
450	17.34	36.442	26.540
500	16.70	36.337	26.613
550	15.96	36.221	26.697
600	15.22	36.111	26.780
650	14.03	35.921	26.894
700	12.99	35.763	26.987
750	12.02	35.618	27.065
800	10.99	35.479	27.150
850	10.15	35.382	27.225
900	9.08	35.214	27.273
950	8.30	35.148	27.344
1000	7.62	35.106	27.414
1500	4.32	34.999	27.751
2000	3.67	34.988	27.811
2500	3.10	34.956	27.840
3000	2.69	34.931	27.858
3500	2.37	34.910	27.870
4000	2.25	34.897	27.889
4500	2.19	34.884	27.884
4570	2.18	34.881	27.882

BAL-STACS37-90 CTD 8 BALDRIGE
Date 09 10 90 Latitude 26.490N
Time 0936 Z Longitude 74.203W



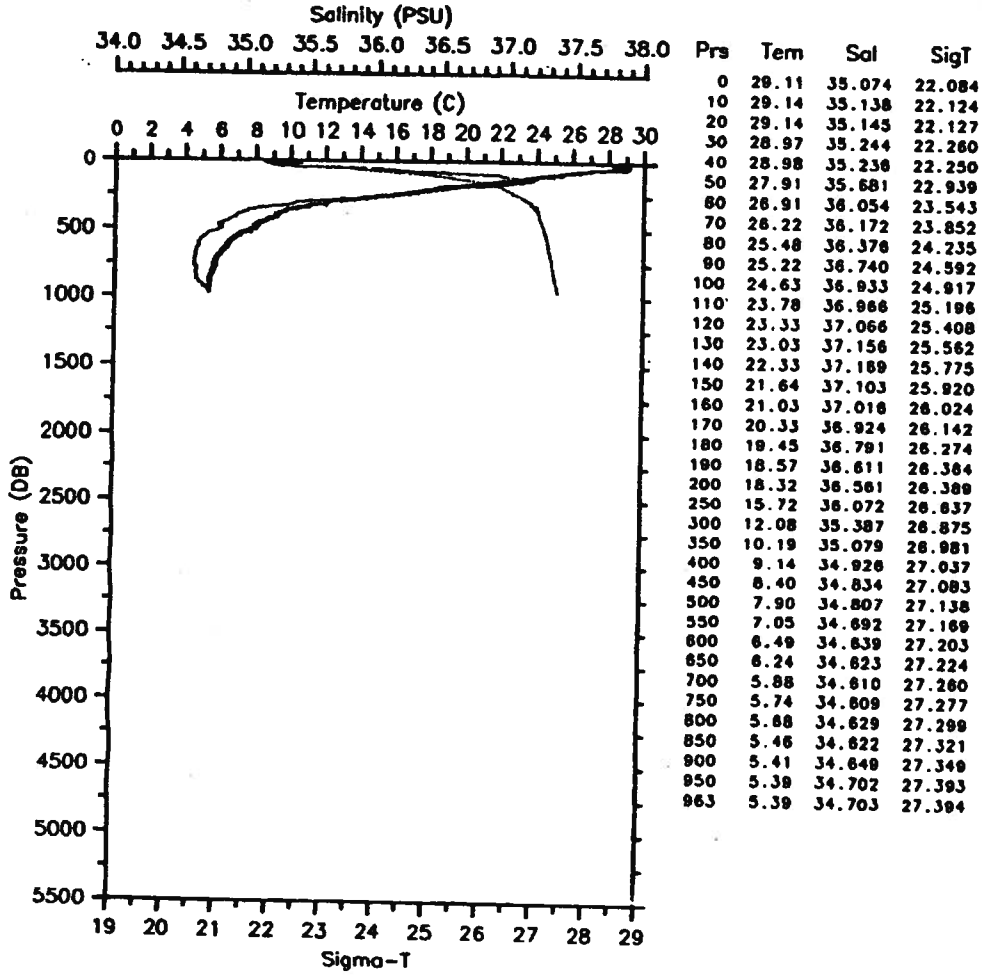
Prs	Tem	Sal	SigT
0	29.36	36.861	23.192
10	29.37	36.862	23.190
20	29.39	36.862	23.185
30	29.38	36.862	23.186
40	28.69	36.865	23.422
50	27.58	36.709	23.819
60	26.17	36.764	24.315
70	25.24	36.787	24.621
80	24.51	36.782	24.841
90	24.04	36.804	24.996
100	23.64	36.827	25.134
110	23.25	36.825	25.247
120	22.76	36.799	25.370
130	22.47	36.790	25.447
140	22.12	36.782	25.541
150	21.69	36.774	25.655
160	21.25	36.751	25.759
170	21.07	36.750	25.809
180	20.83	36.749	25.874
190	20.56	36.734	25.935
200	20.25	36.715	26.005
250	19.17	36.626	26.222
300	18.58	36.571	26.331
350	18.20	36.522	26.390
400	17.83	36.476	26.445
450	17.42	36.416	26.501
500	16.90	36.345	26.573
550	16.11	36.214	26.658
600	15.15	36.062	26.759
650	14.20	35.910	26.848
700	13.11	35.739	26.943
750	11.91	35.571	27.051
800	10.87	35.424	27.129
850	9.81	35.298	27.218
900	8.99	35.205	27.280
950	8.22	35.137	27.349
1000	7.61	35.103	27.414
1500	4.30	35.006	27.759
2000	3.65	34.983	27.809
2500	3.09	34.953	27.840
3000	2.65	34.926	27.858
3500	2.39	34.910	27.867
4000	2.26	34.896	27.867
4500	2.21	34.885	27.862
4639	2.16	34.875	27.859

BAL-STACS37-90 CTD 9 BALDRIGE
Date 09 13 90 Latitude 19.300N
Time 1219 Z Longitude 68.358W



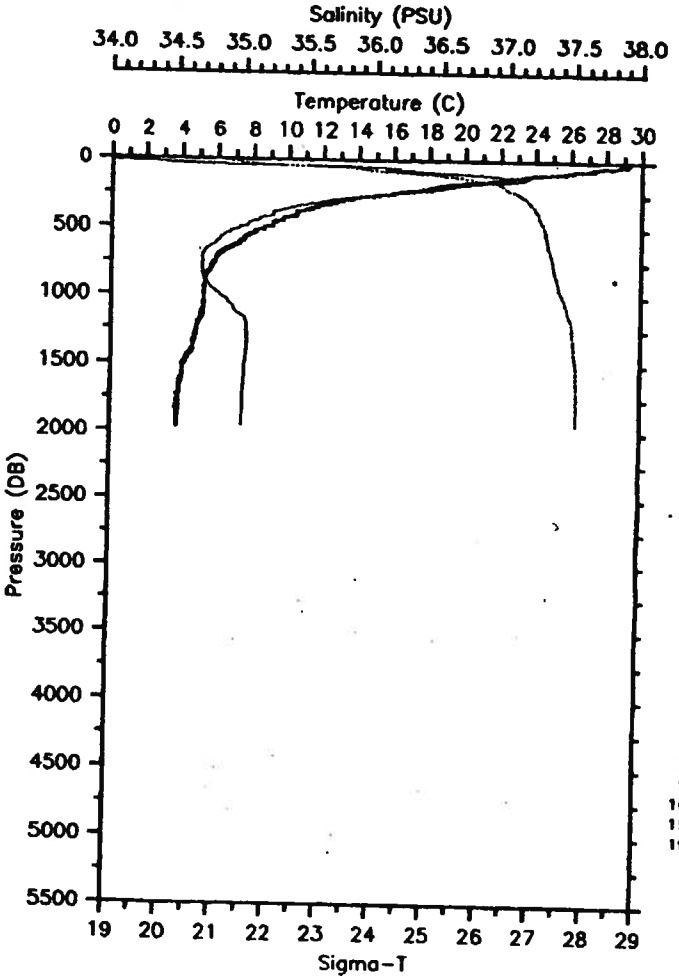
Prs	Tem	Sal	SigT
0	29.48	35.177	22.040
10	29.47	35.184	22.045
20	29.47	35.186	22.046
30	29.42	35.188	22.067
40	28.94	35.540	22.492
50	28.54	35.894	22.891
60	27.59	36.413	23.593
70	26.84	36.627	23.997
80	25.99	36.795	24.393
90	25.78	36.855	24.505
100	25.43	36.882	24.635
110	25.00	36.922	24.798
120	24.79	36.963	24.891
130	24.55	37.020	25.008
140	24.27	37.032	25.103
150	23.77	37.020	25.241
160	23.14	37.042	25.444
170	22.92	37.073	25.533
180	22.36	37.090	25.705
190	22.03	37.103	25.809
198	21.65	37.084	25.867

BAL-STACS37-90 CTD 10 BALDRIGE
Date 09 17 90 Latitude 12.788N
Time 1339 Z Longitude 59.532W



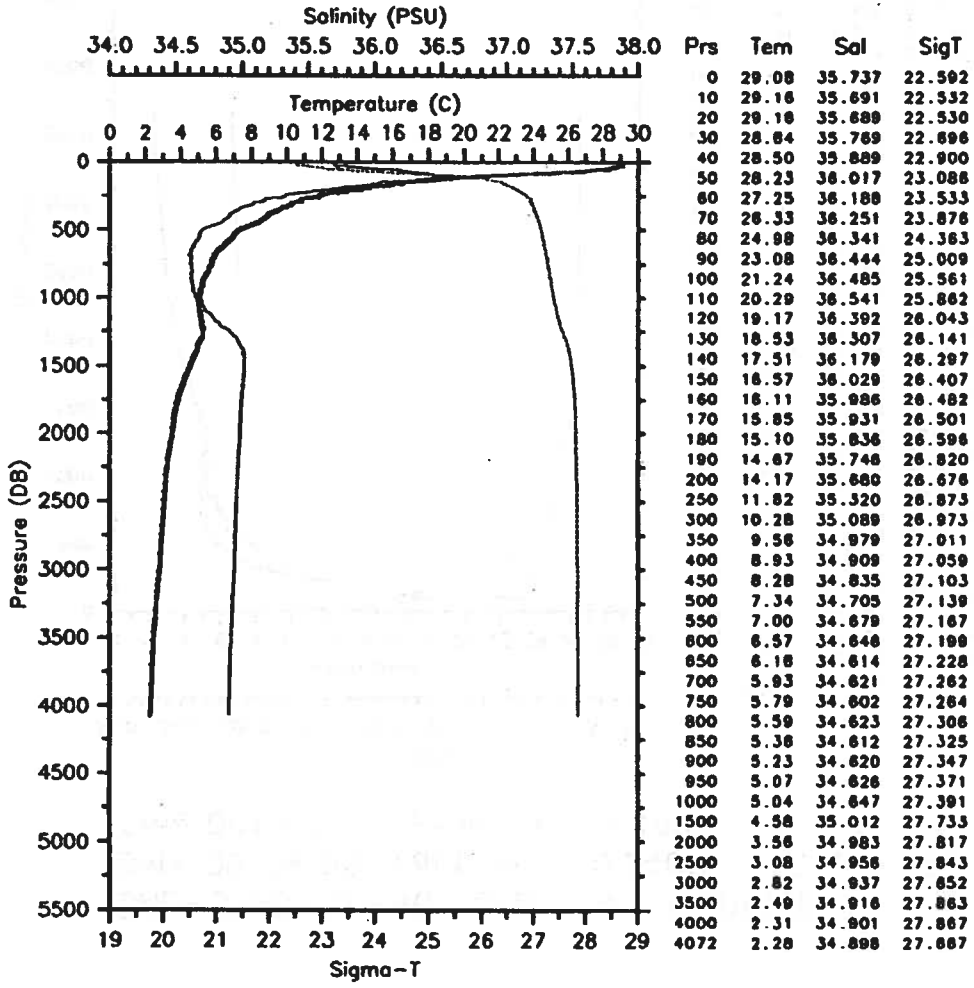
Prs	Tem	Sal	SigT
0	29.11	35.074	22.084
10	29.14	35.138	22.124
20	29.14	35.145	22.127
30	28.97	35.244	22.260
40	28.98	35.238	22.250
50	27.91	35.681	22.939
60	26.91	36.054	23.543
70	26.22	36.172	23.852
80	25.48	36.376	24.235
90	25.22	36.740	24.592
100	24.63	36.933	24.917
110	23.78	36.966	25.196
120	23.33	37.066	25.408
130	23.03	37.156	25.562
140	22.33	37.189	25.775
150	21.64	37.103	25.920
160	21.03	37.018	26.024
170	20.33	36.924	26.142
180	19.45	36.791	26.274
190	18.57	36.611	26.384
200	18.32	36.561	26.389
250	15.72	36.072	26.837
300	12.08	35.387	26.875
350	10.19	35.079	26.981
400	9.14	34.926	27.037
450	8.40	34.834	27.083
500	7.90	34.807	27.138
550	7.05	34.692	27.169
600	6.49	34.639	27.203
650	6.24	34.623	27.224
700	5.88	34.610	27.260
750	5.74	34.609	27.277
800	5.88	34.629	27.299
850	5.46	34.622	27.321
900	5.41	34.649	27.349
950	5.39	34.702	27.393
963	5.39	34.703	27.394

BAL-STACS37-90 CTD 11 BALDRIGE
Date 09 17 90 Latitude 11.954N
Time 2209 Z Longitude 58.251W



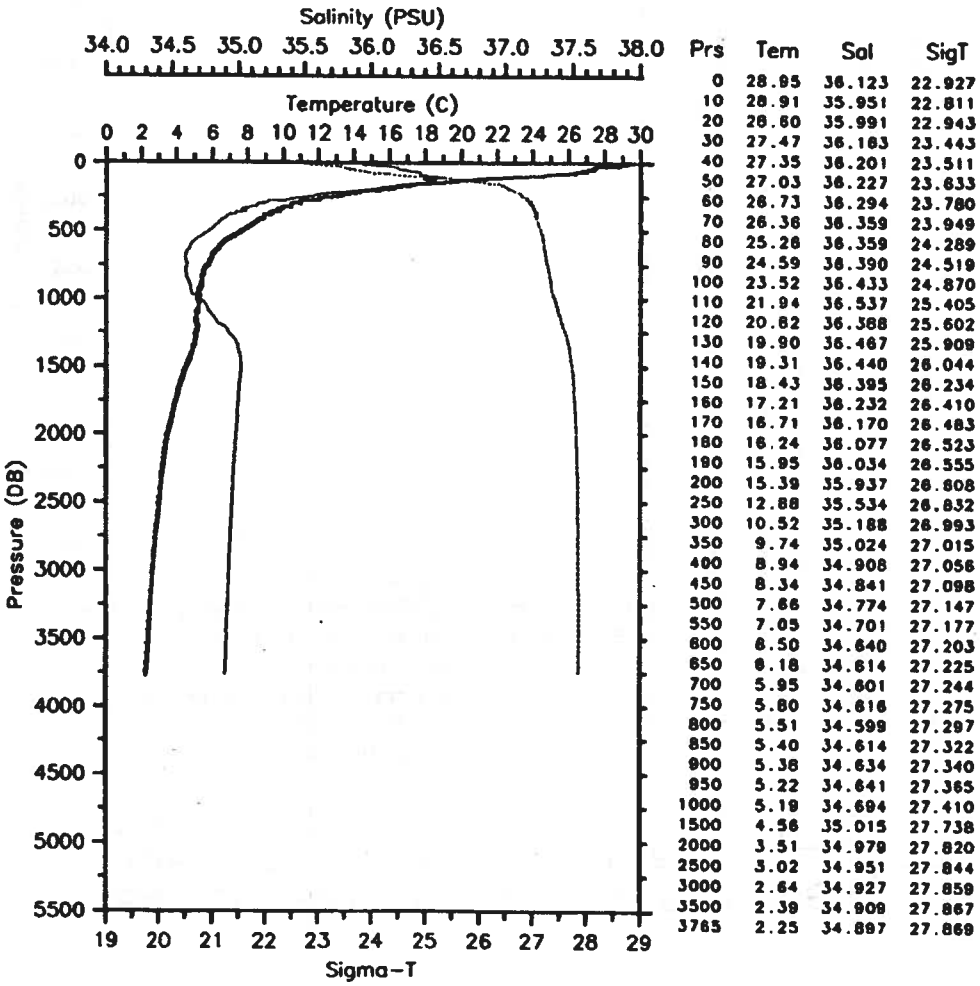
Prs	Tem	Sal	SigT
0	29.20	33.778	21.082
10	29.11	33.882	21.175
20	29.09	34.153	21.400
30	28.87	34.402	21.661
40	28.41	34.823	22.130
50	27.20	35.873	23.314
60	27.18	36.172	23.545
70	26.18	36.076	23.790
80	25.77	36.300	24.089
90	25.10	36.515	24.457
100	24.18	36.748	24.910
110	23.44	36.899	25.247
120	23.01	37.137	25.555
130	22.30	37.140	25.760
140	21.62	37.083	25.911
150	21.01	37.019	26.029
160	20.01	36.875	26.192
170	19.35	36.754	26.272
180	18.76	36.660	26.354
190	18.41	36.592	26.390
200	18.07	36.527	26.426
250	15.30	36.085	26.728
300	12.98	35.620	26.878
350	11.40	35.359	26.983
400	10.47	35.220	27.042
450	9.45	35.084	27.111
500	8.63	34.960	27.146
550	7.76	34.846	27.188
600	7.24	34.789	27.219
650	6.81	34.725	27.258
700	6.01	34.882	27.300
750	5.67	34.690	27.324
800	5.62	34.681	27.348
850	5.35	34.686	27.385
900	5.26	34.715	27.420
950	5.24	34.748	27.448
1000	5.22	34.817	27.504
1500	4.13	35.006	27.777
1958	3.77	34.988	27.801

BAL-STACS37-90 CTD 12 BALDRIGE
Date 09 18 90 Latitude 10.874N
Time 0739 Z Longitude 57.007W



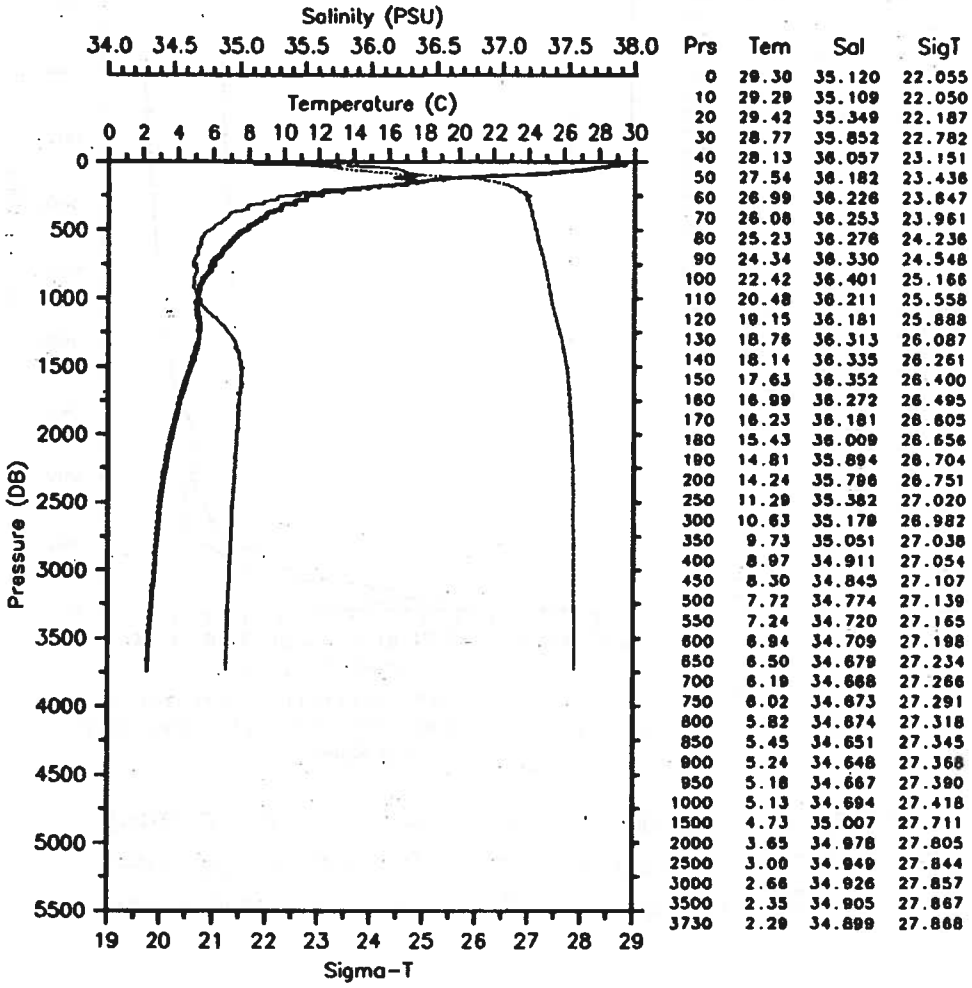
Prs	Tem	Sal	SigT
0	29.08	35.737	22.592
10	29.16	35.691	22.532
20	29.16	35.689	22.530
30	28.84	35.769	22.696
40	28.50	35.889	22.900
50	28.23	36.017	23.086
60	27.25	36.188	23.533
70	26.33	36.251	23.876
80	24.98	36.341	24.363
90	23.08	36.444	25.009
100	21.24	36.485	25.561
110	20.29	36.541	25.862
120	19.17	36.592	26.043
130	18.53	36.607	26.141
140	17.51	36.179	26.297
150	16.57	36.029	26.407
160	16.11	35.986	26.482
170	15.85	35.931	26.501
180	15.10	35.836	26.596
190	14.67	35.748	26.820
200	14.17	35.680	26.676
250	11.82	35.320	26.873
300	10.28	35.089	26.973
350	9.56	34.979	27.011
400	8.93	34.909	27.059
450	8.28	34.835	27.103
500	7.34	34.705	27.139
550	7.00	34.679	27.167
600	6.57	34.648	27.199
650	6.18	34.614	27.228
700	5.93	34.621	27.262
750	5.79	34.602	27.284
800	5.59	34.623	27.306
850	5.38	34.612	27.325
900	5.23	34.620	27.347
950	5.07	34.626	27.371
1000	5.04	34.647	27.391
1500	4.58	35.012	27.733
2000	3.56	34.983	27.817
2500	3.08	34.956	27.843
3000	2.82	34.937	27.852
3500	2.49	34.916	27.863
4000	2.31	34.901	27.867
4072	2.28	34.898	27.867

BAL-STACS37-90 CTD 13 BALDRIGE
Date 09 18 90 Latitude 9.844N
Time 1802 Z Longitude 55.804W



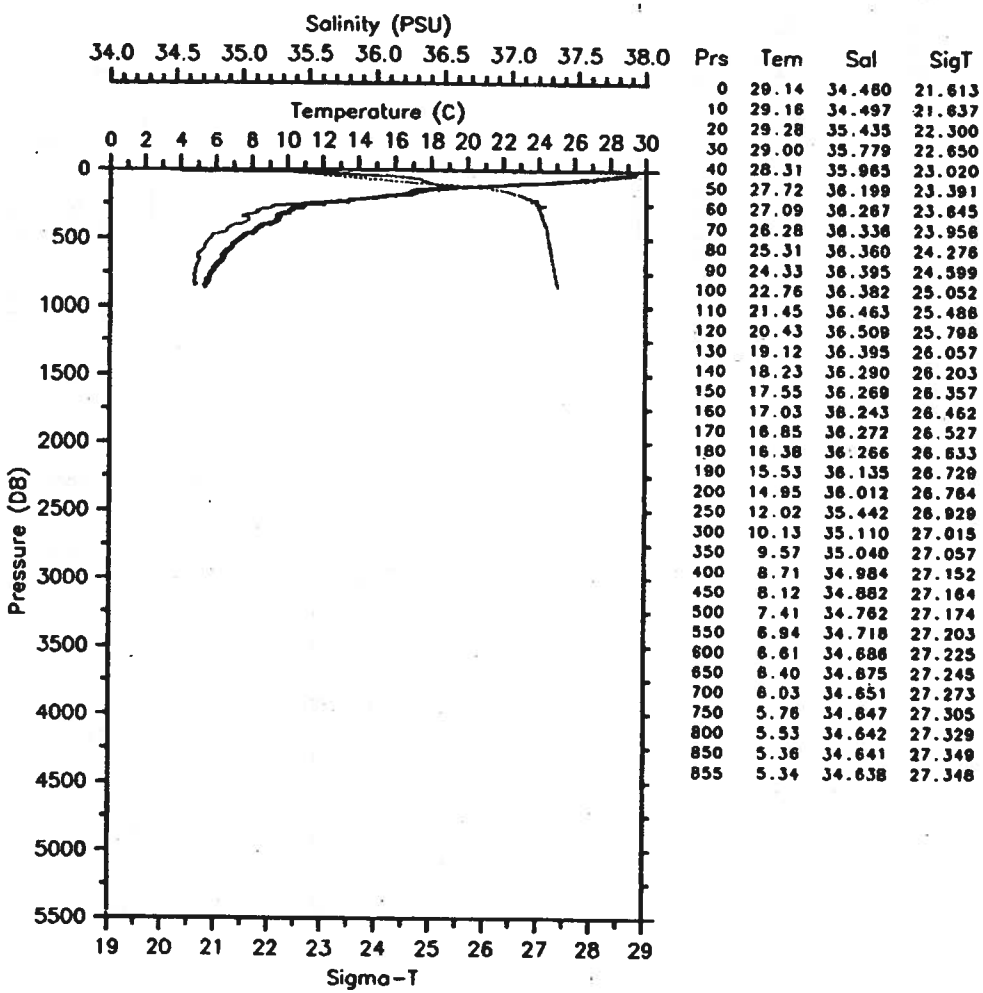
Prs	Tem	Sal	SigT
0	28.95	36.123	22.927
10	28.91	35.951	22.811
20	28.80	35.991	22.943
30	27.47	36.163	23.443
40	27.35	36.201	23.511
50	27.03	36.227	23.633
60	26.73	36.294	23.780
70	26.36	36.359	23.949
80	25.26	36.359	24.289
90	24.59	36.390	24.519
100	23.52	36.433	24.870
110	21.94	36.537	25.405
120	20.82	36.588	25.602
130	19.90	36.467	25.909
140	19.31	36.440	26.044
150	18.43	36.395	26.234
160	17.21	36.232	26.410
170	16.71	36.170	26.483
180	16.24	36.077	26.523
190	15.95	36.034	26.555
200	15.39	35.937	26.608
250	12.88	35.534	26.832
300	10.52	35.188	26.993
350	9.74	35.024	27.015
400	8.94	34.908	27.058
450	8.34	34.841	27.098
500	7.66	34.774	27.147
550	7.05	34.701	27.177
600	6.50	34.640	27.203
650	6.18	34.614	27.225
700	5.95	34.601	27.244
750	5.80	34.616	27.275
800	5.51	34.599	27.297
850	5.40	34.614	27.322
900	5.38	34.634	27.340
950	5.22	34.641	27.365
1000	5.19	34.694	27.410
1500	4.56	35.015	27.738
2000	3.51	34.979	27.820
2500	3.02	34.951	27.844
3000	2.64	34.927	27.859
3500	2.39	34.909	27.867
3765	2.25	34.897	27.869

BAL-STACS37-90 CTD 14 BALDRIGE
Date 09 19 90 Latitude 10.540N
Time 0019 Z Longitude 55.499W



Prs	Tem	Sal	SigT
0	29.30	35.120	22.055
10	29.29	35.109	22.050
20	29.42	35.349	22.187
30	28.77	35.852	22.782
40	28.13	36.057	23.151
50	27.54	36.182	23.436
60	26.99	36.226	23.647
70	26.08	36.253	23.961
80	25.23	36.278	24.236
90	24.34	36.330	24.548
100	22.42	36.401	25.166
110	20.48	36.211	25.558
120	19.15	36.181	25.888
130	18.76	36.313	26.087
140	18.14	36.335	26.261
150	17.63	36.352	26.400
160	16.99	36.272	26.495
170	16.23	36.181	26.605
180	15.43	36.009	26.656
190	14.81	35.894	26.704
200	14.24	35.798	26.751
250	11.29	35.382	27.020
300	10.63	35.178	26.982
350	9.73	35.051	27.038
400	8.97	34.911	27.054
450	8.30	34.845	27.107
500	7.72	34.774	27.139
550	7.24	34.720	27.165
600	6.94	34.709	27.198
650	6.50	34.679	27.234
700	6.19	34.668	27.266
750	6.02	34.673	27.291
800	5.82	34.674	27.318
850	5.45	34.651	27.345
900	5.24	34.648	27.368
950	5.18	34.667	27.390
1000	5.13	34.694	27.418
1500	4.73	35.007	27.711
2000	3.65	34.978	27.805
2500	3.00	34.949	27.844
3000	2.66	34.926	27.857
3500	2.35	34.905	27.867
3730	2.29	34.899	27.868

BAL-STACS37-90 CTD 15 BALDRIGE
Date 09 19 90 Latitude 11.185N
Time 0727 Z Longitude 55.237W

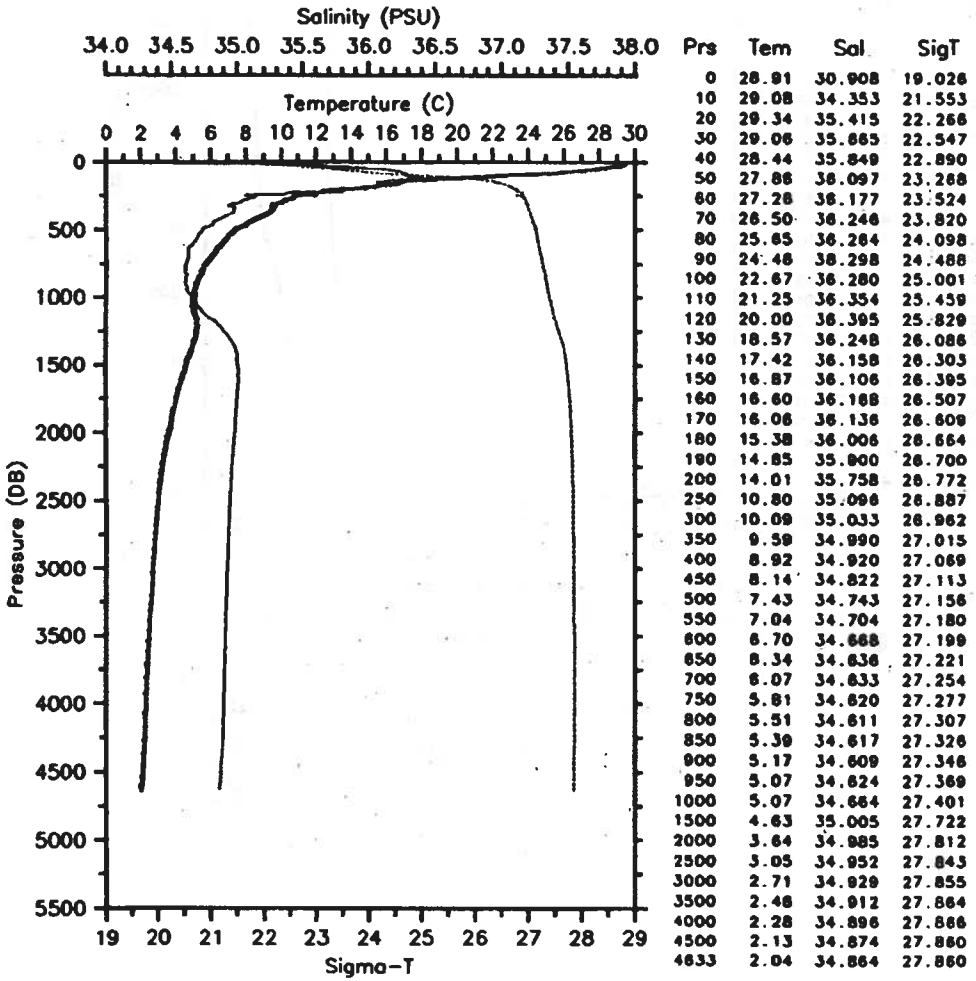


Prs	Tem	Sal	SigT
0	29.14	34.480	21.613
10	29.16	34.497	21.637
20	29.28	35.435	22.300
30	29.00	35.779	22.650
40	28.31	35.985	23.020
50	27.72	36.199	23.391
60	27.09	36.287	23.645
70	26.28	36.336	23.956
80	25.31	36.360	24.276
90	24.33	36.395	24.599
100	22.76	36.382	25.052
110	21.45	36.463	25.486
120	20.43	36.509	25.798
130	19.12	36.395	26.057
140	18.23	36.290	26.203
150	17.55	36.269	26.357
160	17.03	36.243	26.462
170	16.85	36.272	26.527
180	16.38	36.266	26.633
190	15.53	36.135	26.729
200	14.95	36.012	26.784
250	12.02	35.442	26.929
300	10.13	35.110	27.015
350	9.57	35.040	27.057
400	8.71	34.984	27.152
450	8.12	34.882	27.164
500	7.41	34.762	27.174
550	6.94	34.718	27.203
600	6.61	34.686	27.225
650	6.40	34.675	27.245
700	6.03	34.651	27.273
750	5.76	34.647	27.305
800	5.53	34.642	27.329
850	5.36	34.641	27.349
855	5.34	34.638	27.348

BAL-STACS37-90 CTD 16 BALDRIGE

Date 09 19 90 Latitude 11.186N

Time 1216 Z Longitude 55.239W

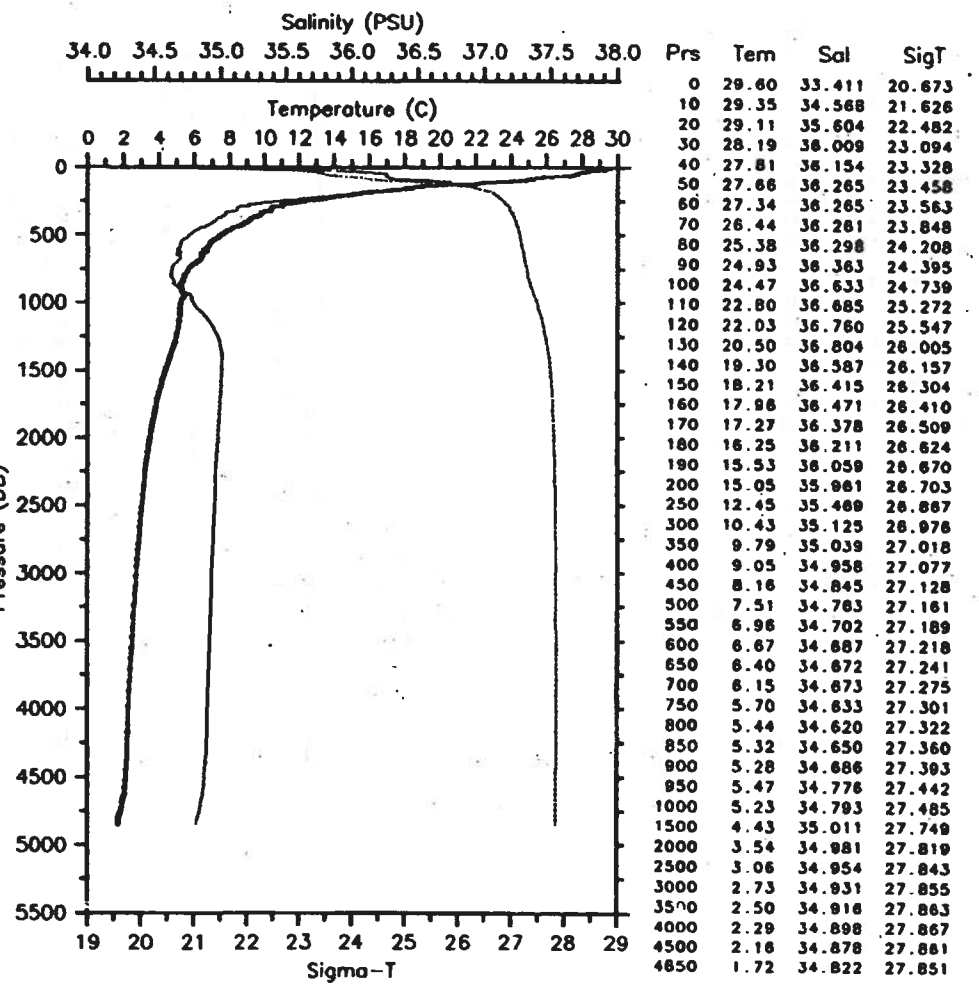


Prs	Tem	Sal	SigT
0	28.91	30.908	19.026
10	29.08	34.353	21.553
20	29.34	35.415	22.266
30	29.06	35.665	22.547
40	28.44	35.849	22.890
50	27.86	36.097	23.268
60	27.28	36.177	23.524
70	26.50	36.246	23.820
80	25.65	36.264	24.098
90	24.48	36.298	24.488
100	22.67	36.280	25.001
110	21.25	36.354	25.459
120	20.00	36.395	25.829
130	18.57	36.248	26.086
140	17.42	36.158	26.303
150	16.87	36.106	26.395
160	16.60	36.188	26.507
170	16.06	36.136	26.609
180	15.38	36.006	26.664
190	14.85	35.900	26.700
200	14.01	35.758	26.772
250	10.80	35.098	26.887
300	10.09	35.033	26.962
350	9.59	34.990	27.015
400	8.92	34.920	27.069
450	8.14	34.822	27.113
500	7.43	34.743	27.156
550	7.04	34.704	27.180
600	6.70	34.668	27.199
650	6.34	34.636	27.221
700	6.07	34.633	27.254
750	5.81	34.620	27.277
800	5.51	34.611	27.307
850	5.39	34.617	27.326
900	5.17	34.609	27.348
950	5.07	34.624	27.369
1000	5.07	34.664	27.401
1500	4.63	35.005	27.722
2000	3.64	34.985	27.812
2500	3.05	34.952	27.843
3000	2.71	34.929	27.855
3500	2.48	34.912	27.864
4000	2.28	34.896	27.866
4500	2.13	34.874	27.880
4633	2.04	34.864	27.880

BAL-STACS37-90 CTD 17 BALDRIGE

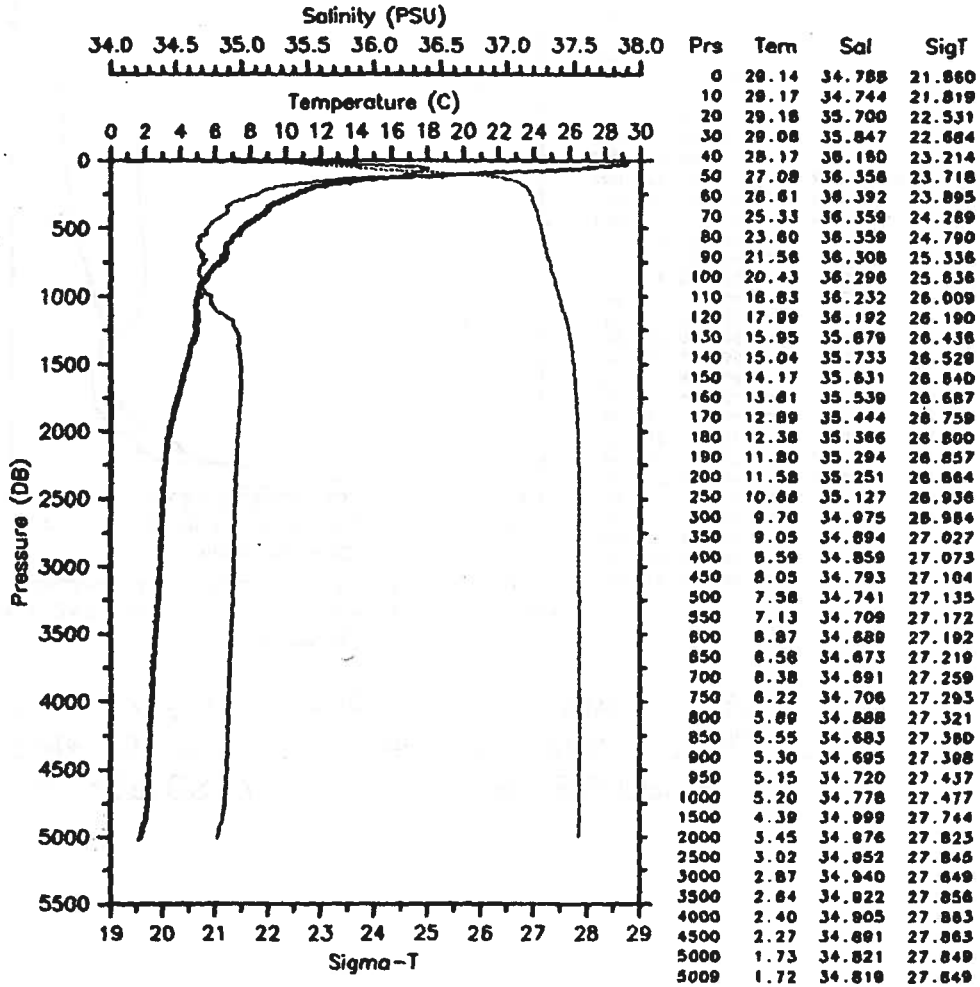
Date 09 20 90 Latitude 10.647N

Time 0136 Z Longitude 53.213W



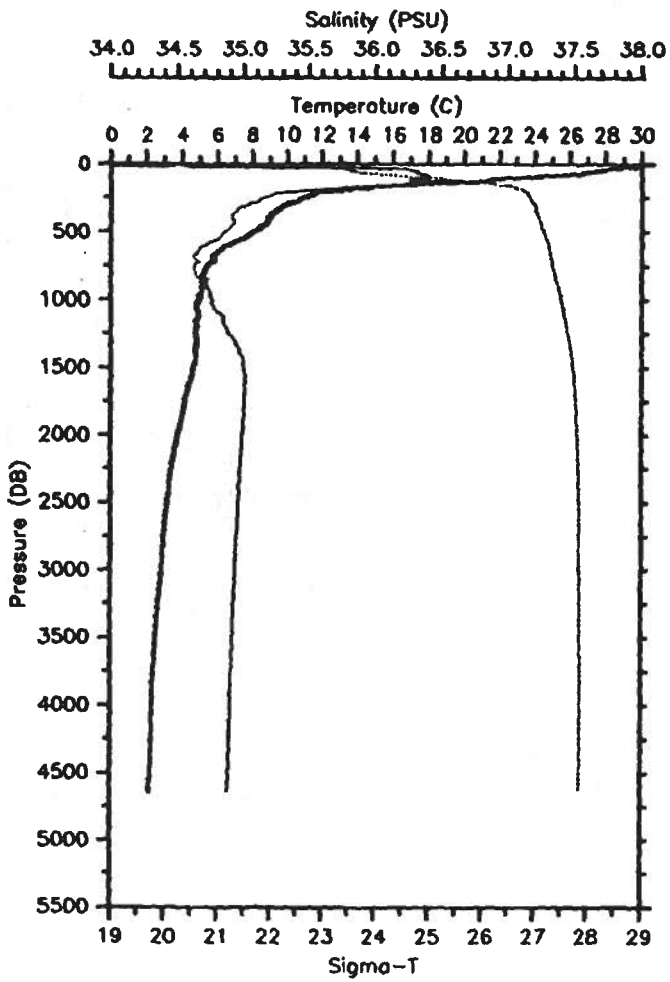
Prs	Tem	Sal	SigT
0	29.60	33.411	20.673
10	29.35	34.568	21.626
20	29.11	35.604	22.482
30	28.19	36.009	23.094
40	27.81	36.154	23.328
50	27.66	36.265	23.458
60	27.34	36.265	23.563
70	26.44	36.281	23.848
80	25.38	36.298	24.208
90	24.93	36.363	24.395
100	24.47	36.633	24.739
110	22.80	36.685	25.272
120	22.03	36.760	25.547
130	20.50	36.804	26.005
140	19.30	36.587	26.157
150	18.21	36.415	26.304
160	17.88	36.471	26.410
170	17.27	36.378	26.509
180	16.25	36.211	26.624
190	15.53	36.059	26.670
200	15.05	35.961	26.703
250	12.45	35.469	26.867
300	10.43	35.125	26.976
350	9.79	35.039	27.018
400	9.05	34.958	27.077
450	8.16	34.845	27.128
500	7.51	34.783	27.161
550	6.96	34.702	27.189
600	6.67	34.687	27.218
650	6.40	34.672	27.241
700	6.15	34.673	27.275
750	5.70	34.633	27.301
800	5.44	34.620	27.322
850	5.32	34.650	27.360
900	5.28	34.686	27.393
950	5.47	34.776	27.442
1000	5.23	34.793	27.485
1500	4.43	35.011	27.749
2000	3.54	34.981	27.819
2500	3.06	34.954	27.843
3000	2.73	34.931	27.855
3500	2.50	34.916	27.863
4000	2.29	34.898	27.867
4500	2.16	34.878	27.881
4850	1.72	34.822	27.851

BAL-STACS37-90 CTD 18 BALDRIGE
Date 09 20 90 Latitude 10.330N
Time 1511 Z Longitude 51.110W



Prs	Tem	Sal	SigT
0	29.14	34.788	21.860
10	29.17	34.744	21.819
20	29.16	35.700	22.531
30	29.08	35.847	22.664
40	28.17	36.180	23.214
50	27.08	36.356	23.718
60	26.61	36.392	23.895
70	25.33	36.359	24.289
80	23.60	36.359	24.790
90	21.56	36.308	25.336
100	20.43	36.296	25.636
110	18.83	36.232	26.009
120	17.89	36.192	26.190
130	15.95	35.879	26.436
140	15.04	35.733	26.529
150	14.17	35.631	26.640
160	13.61	35.539	26.687
170	12.89	35.444	26.759
180	12.38	35.366	26.800
190	11.80	35.294	26.857
200	11.58	35.251	26.884
250	10.68	35.127	26.936
300	9.70	34.975	26.984
350	9.05	34.894	27.027
400	8.59	34.859	27.073
450	8.05	34.793	27.104
500	7.58	34.741	27.135
550	7.13	34.709	27.172
600	6.87	34.688	27.192
650	6.58	34.673	27.219
700	6.38	34.691	27.259
750	6.22	34.706	27.293
800	5.89	34.688	27.321
850	5.55	34.683	27.380
900	5.30	34.695	27.398
950	5.15	34.720	27.437
1000	5.20	34.778	27.477
1500	4.39	34.999	27.744
2000	3.45	34.876	27.823
2500	3.02	34.952	27.865
3000	2.87	34.940	27.869
3500	2.64	34.922	27.858
4000	2.40	34.905	27.863
4500	2.27	34.891	27.863
5000	1.73	34.821	27.849
5009	1.72	34.819	27.849

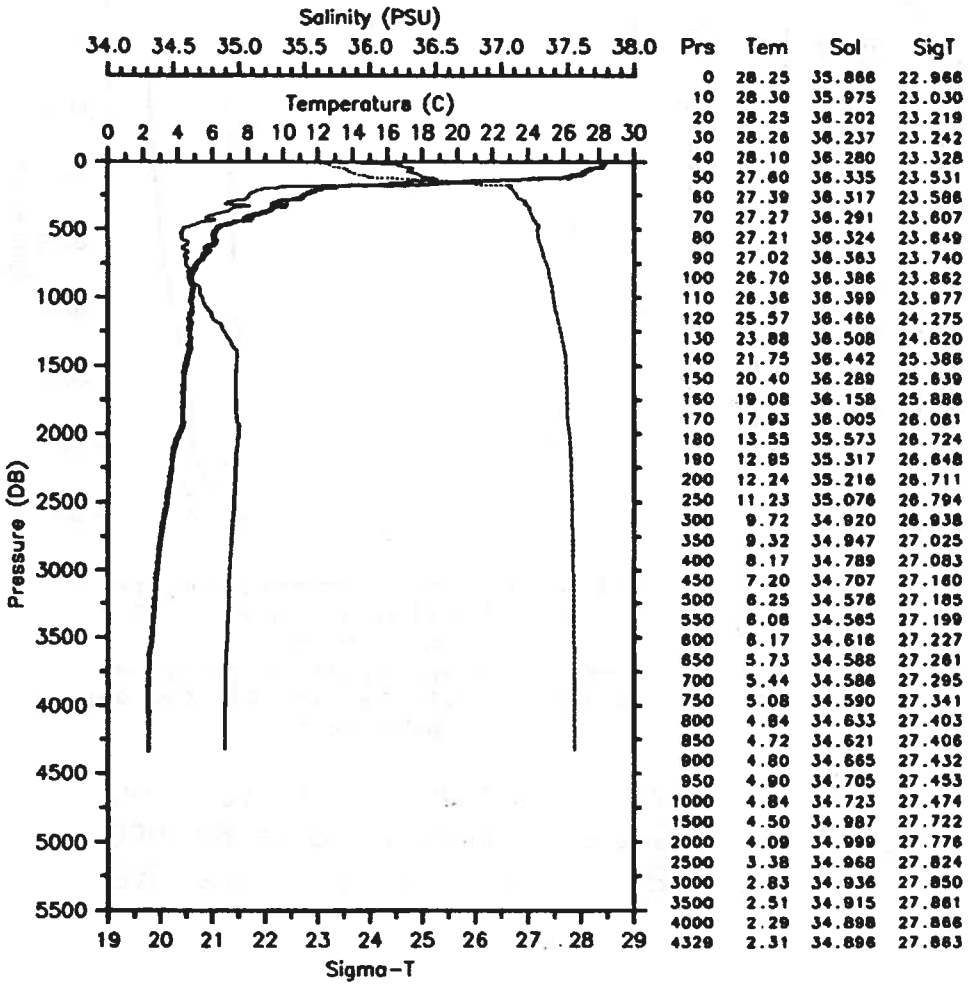
BAL-STACS37-90 CTD 22 BALDRIGE
Date 09 21 90 Latitude 8.789N
Time 2323 Z Longitude 49.468W



Prs	Tem	Sal
0	29.78	31.593
10	29.80	32.475
20	29.67	34.489
30	28.49	35.828
40	27.86	36.248
50	27.47	36.311
60	26.97	36.318
70	26.61	36.335
80	25.41	36.386
90	24.33	36.388
100	23.04	36.399
110	21.72	36.268
120	21.39	36.308
130	20.89	36.659
140	18.45	36.333
150	17.48	36.181
160	16.10	36.013
170	14.94	35.845
180	14.39	35.744
190	13.43	35.577
200	12.88	35.488
250	10.94	35.154
300	10.11	35.047
350	9.38	34.953
400	8.96	34.909
450	8.62	34.912
500	8.02	34.859
550	7.51	34.808
600	6.44	34.700
650	6.00	34.650
700	5.77	34.637
750	5.45	34.631
800	5.23	34.632
850	5.30	34.683
900	5.13	34.722
950	5.08	34.746
1000	4.87	34.766
1500	4.68	35.000
2000	3.78	34.991
2500	3.17	34.961
3000	2.85	34.938
3500	2.53	34.916
4000	2.34	34.902
4500	2.25	34.888
4641	2.15	34.875

BAL-STACS37-90 CTD 23 BALDRIGE

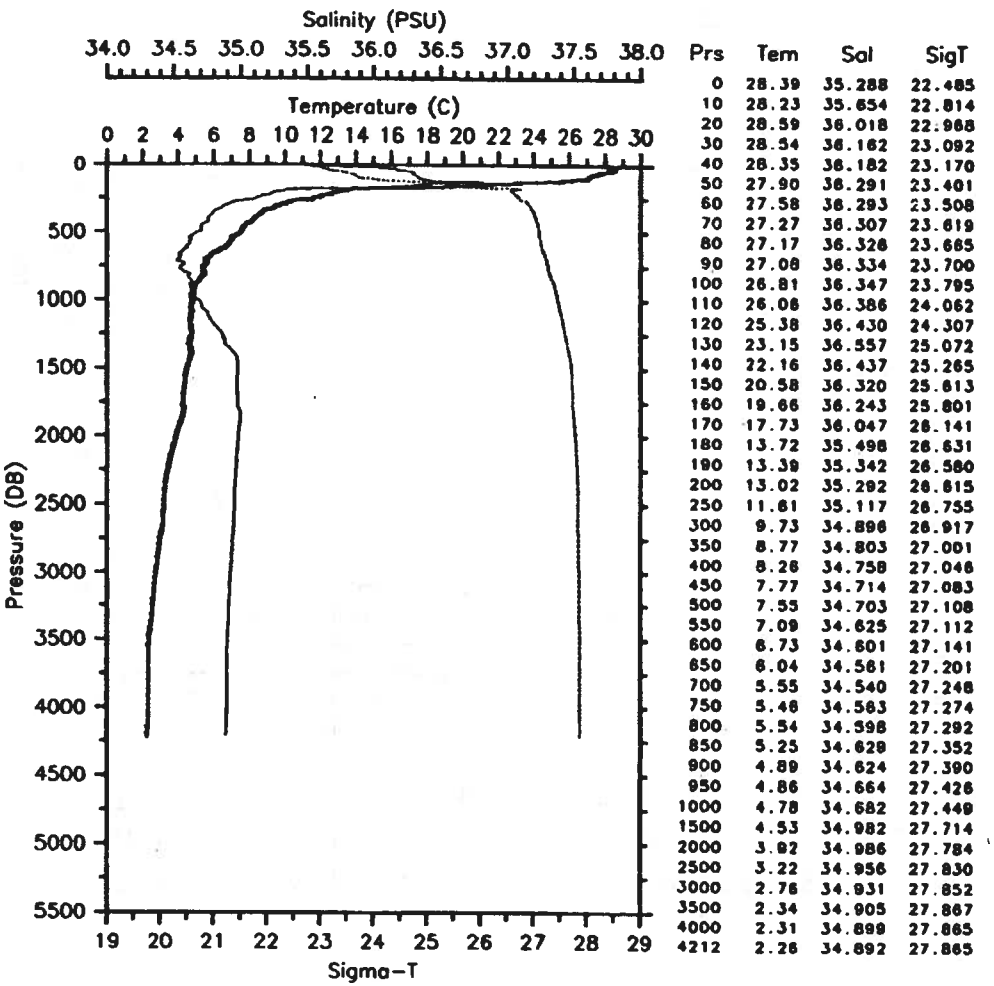
Date 09 22 90 Latitude 7.534N
Time 1047 Z Longitude 49.954W



Prs	Tem	Sal	SigT
0	28.25	35.866	22.966
10	28.30	35.975	23.030
20	28.25	36.202	23.219
30	28.26	36.237	23.242
40	28.10	36.280	23.328
50	27.60	36.335	23.531
60	27.39	36.317	23.586
70	27.27	36.291	23.607
80	27.21	36.324	23.649
90	27.02	36.363	23.740
100	26.70	36.386	23.862
110	26.36	36.399	23.977
120	25.57	36.466	24.275
130	23.88	36.508	24.820
140	21.75	36.442	25.386
150	20.40	36.289	25.639
160	19.08	36.158	25.886
170	17.93	36.005	26.061
180	13.55	35.573	26.724
190	12.85	35.317	26.848
200	12.24	35.216	26.711
250	11.23	35.076	26.794
300	9.72	34.920	26.938
350	9.32	34.947	27.025
400	8.17	34.789	27.083
450	7.20	34.707	27.160
500	6.25	34.576	27.185
550	6.08	34.565	27.199
600	6.17	34.616	27.227
650	5.73	34.588	27.261
700	5.44	34.588	27.295
750	5.08	34.590	27.341
800	4.84	34.633	27.403
850	4.72	34.621	27.406
900	4.80	34.665	27.432
950	4.90	34.705	27.453
1000	4.84	34.723	27.474
1500	4.50	34.987	27.722
2000	4.09	34.999	27.776
2500	3.38	34.968	27.824
3000	2.83	34.936	27.850
3500	2.51	34.915	27.861
4000	2.29	34.898	27.866
4329	2.31	34.896	27.863

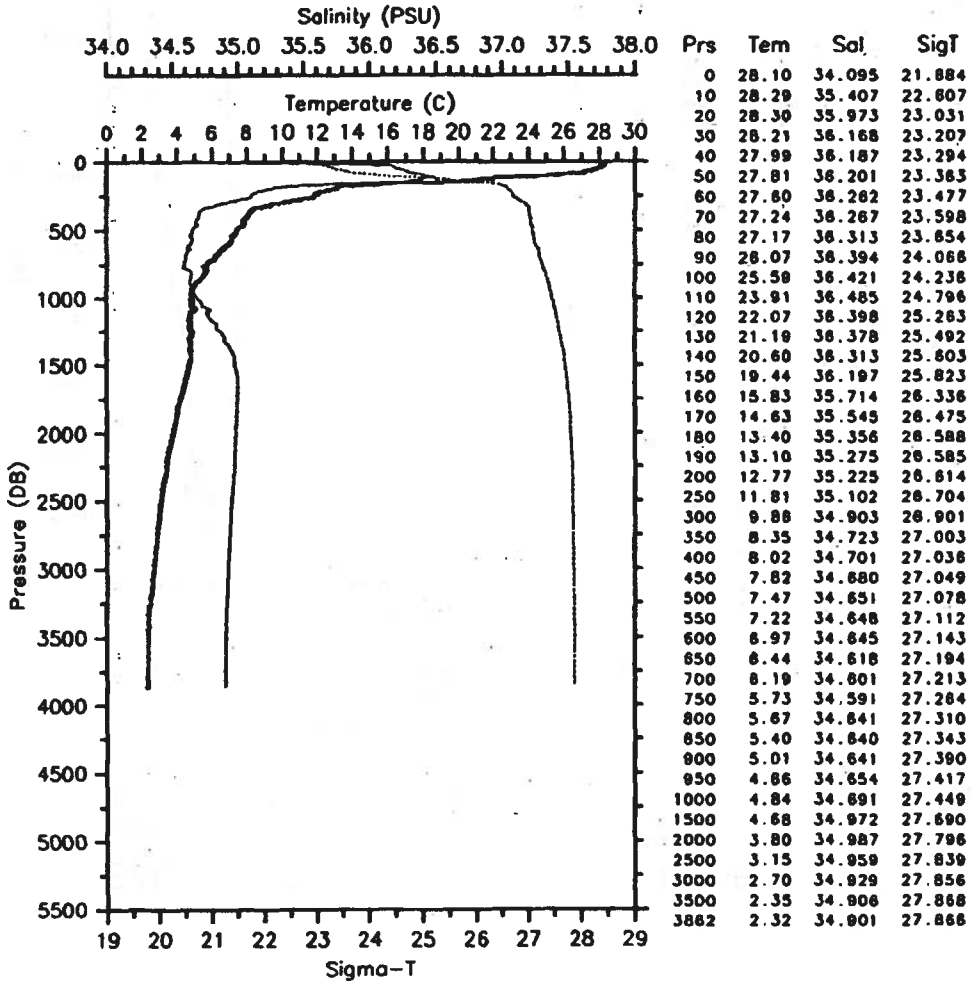
BAL-STACS37-90 CTD 24 BALDRIGE

Date 09 22 90 Latitude 7.124N
Time 1833 Z Longitude 50.320W



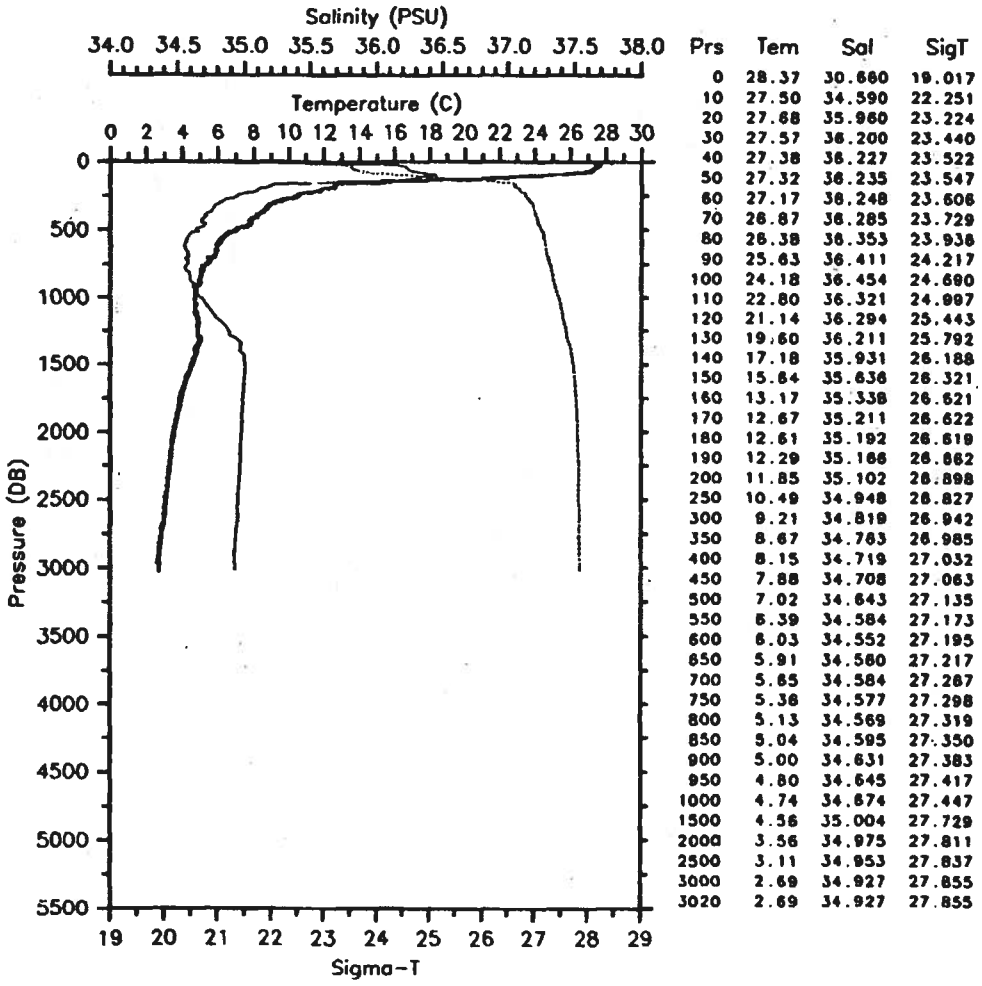
Prs	Tem	Sal	SigT
0	28.39	35.288	22.485
10	28.23	35.654	22.814
20	28.59	36.018	22.988
30	28.54	36.162	23.092
40	28.35	36.182	23.170
50	27.90	36.291	23.401
60	27.58	36.293	23.508
70	27.27	36.307	23.619
80	27.17	36.328	23.665
90	27.08	36.334	23.700
100	26.81	36.347	23.795
110	26.08	36.386	24.062
120	25.38	36.430	24.307
130	23.15	36.557	25.072
140	22.16	36.437	25.265
150	20.58	36.320	25.613
160	19.66	36.243	25.801
170	17.73	36.047	26.141
180	13.72	35.498	26.631
190	13.39	35.342	26.580
200	13.02	35.292	26.815
250	11.61	35.117	26.755
300	9.73	34.898	26.917
350	8.77	34.803	27.001
400	8.26	34.758	27.046
450	7.77	34.714	27.083
500	7.55	34.703	27.108
550	7.09	34.625	27.112
600	6.73	34.601	27.141
650	6.04	34.581	27.201
700	5.55	34.540	27.248
750	5.48	34.563	27.274
800	5.54	34.598	27.292
850	5.25	34.628	27.352
900	4.89	34.624	27.390
950	4.86	34.664	27.428
1000	4.78	34.682	27.449
1500	4.53	34.982	27.714
2000	3.92	34.986	27.784
2500	3.22	34.956	27.830
3000	2.76	34.931	27.852
3500	2.34	34.905	27.867
4000	2.31	34.899	27.865
4212	2.26	34.892	27.865

BAL-STACS37-90 CTD 25 BALDRIGE
Date 09 23 90 Latitude 6.705N
Time 0217 Z Longitude 50.672W



Prs	Tem	Sal	SigT
0	28.10	34.095	21.884
10	28.29	35.407	22.807
20	28.30	35.973	23.031
30	28.21	36.168	23.207
40	27.99	36.187	23.294
50	27.81	36.201	23.363
60	27.60	36.262	23.477
70	27.24	36.267	23.598
80	27.17	36.313	23.654
90	26.07	36.394	24.066
100	25.58	36.421	24.238
110	23.91	36.485	24.796
120	22.07	36.398	25.263
130	21.19	36.378	25.492
140	20.60	36.313	25.603
150	19.44	36.197	25.823
160	15.83	35.714	26.336
170	14.63	35.545	26.475
180	13.40	35.356	26.588
190	13.10	35.275	26.585
200	12.77	35.225	26.614
250	11.81	35.102	26.704
300	9.88	34.903	26.901
350	8.35	34.723	27.003
400	8.02	34.701	27.038
450	7.82	34.680	27.049
500	7.47	34.651	27.078
550	7.22	34.648	27.112
600	6.97	34.645	27.143
650	6.44	34.618	27.194
700	6.19	34.601	27.213
750	5.73	34.591	27.264
800	5.67	34.641	27.310
850	5.40	34.640	27.343
900	5.01	34.641	27.390
950	4.86	34.654	27.417
1000	4.84	34.691	27.449
1500	4.68	34.972	27.690
2000	3.80	34.987	27.796
2500	3.15	34.959	27.839
3000	2.70	34.929	27.856
3500	2.35	34.906	27.868
3862	2.32	34.901	27.868

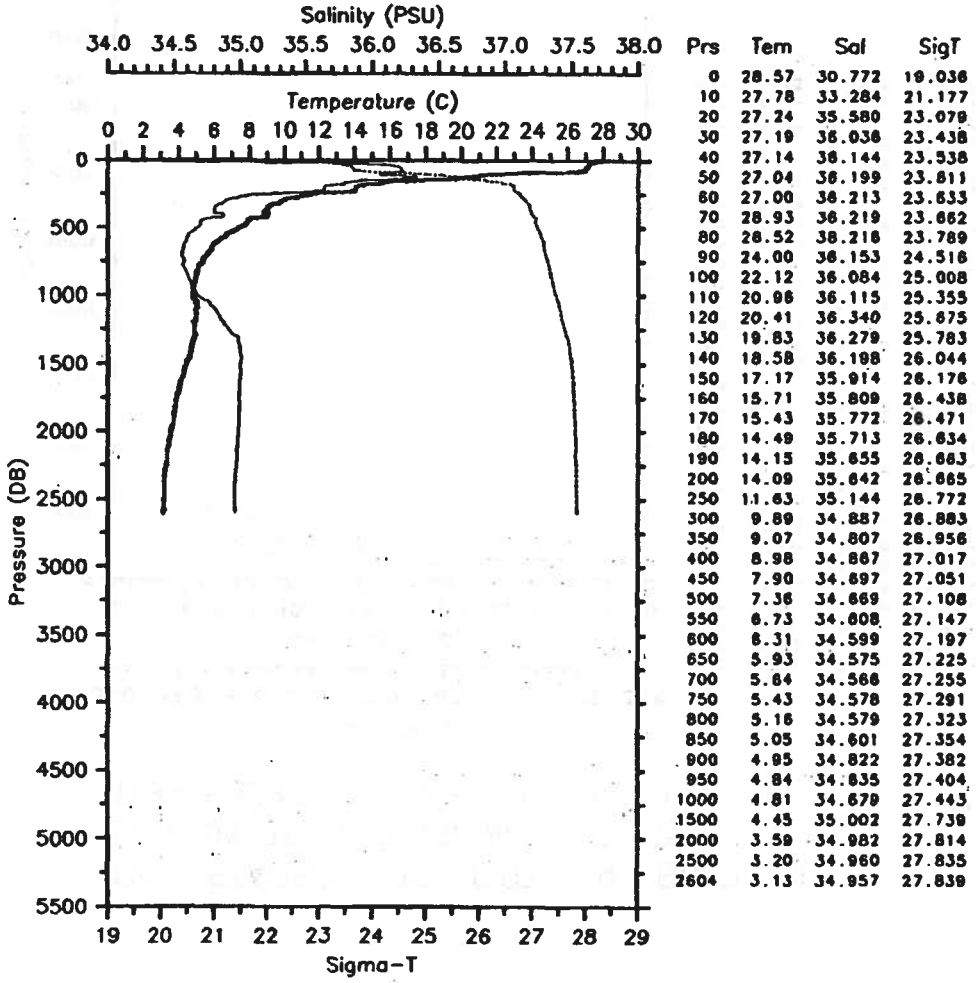
BAL-STACS37-90 CTD 26 BALDRIGE
Date 09 23 90 Latitude 6.268N
Time 1045 Z Longitude 51.075W



Prs	Tem	Sal	SigT
0	28.37	30.660	19.017
10	27.50	34.590	22.251
20	27.68	35.960	23.224
30	27.57	36.200	23.440
40	27.38	36.227	23.522
50	27.32	36.235	23.547
60	27.17	36.248	23.606
70	26.87	36.285	23.729
80	26.38	36.353	23.936
90	25.63	36.411	24.217
100	24.18	36.454	24.690
110	22.80	36.321	24.997
120	21.14	36.294	25.443
130	19.60	36.211	25.792
140	17.18	35.931	26.188
150	15.84	35.836	26.321
160	13.17	35.338	26.621
170	12.67	35.211	26.622
180	12.61	35.192	26.619
190	12.29	35.166	26.662
200	11.85	35.102	26.698
250	10.49	34.948	26.827
300	9.21	34.819	26.942
350	8.67	34.763	26.985
400	8.15	34.719	27.032
450	7.88	34.708	27.063
500	7.02	34.643	27.135
550	6.39	34.584	27.173
600	6.03	34.552	27.195
650	5.91	34.560	27.217
700	5.65	34.584	27.267
750	5.38	34.577	27.298
800	5.13	34.569	27.319
850	5.04	34.595	27.350
900	5.00	34.631	27.383
950	4.80	34.645	27.417
1000	4.74	34.674	27.447
1500	4.56	35.004	27.729
2000	3.56	34.975	27.811
2500	3.11	34.953	27.837
3000	2.69	34.927	27.855
3020	2.69	34.927	27.855

BAL-STACS37-90 CTD 27 BALDRIGE

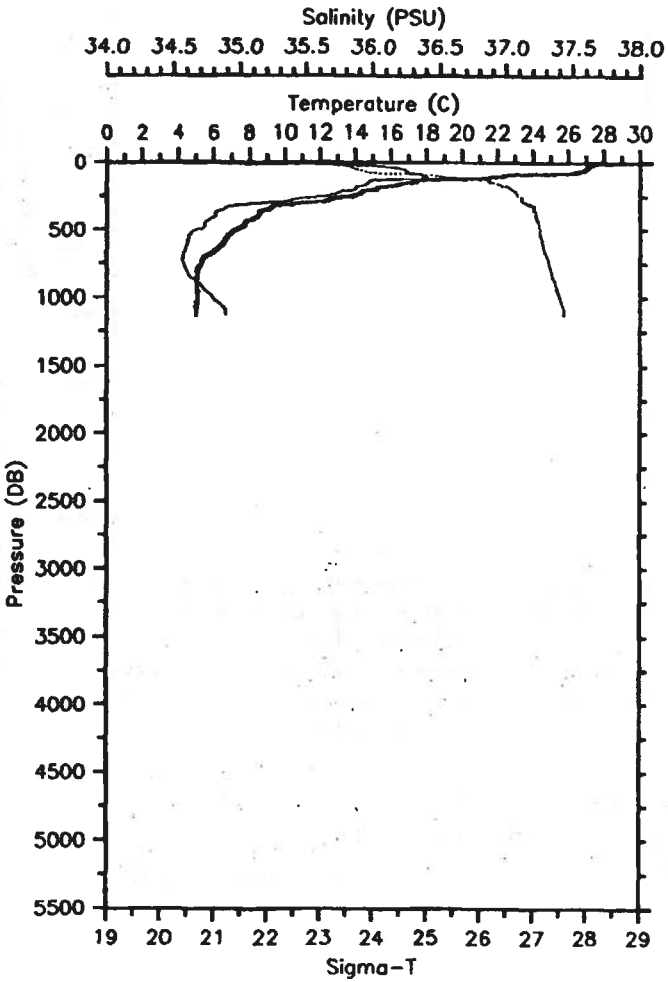
Date 09 23 90 Latitude 6.124N
Time 1612 Z Longitude 51.279W



Prs	Tem	Sal	SigT
0	28.57	30.772	19.036
10	27.78	33.284	21.177
20	27.24	35.580	23.079
30	27.19	36.036	23.438
40	27.14	36.144	23.538
50	27.04	36.199	23.611
60	27.00	36.213	23.633
70	26.93	36.219	23.662
80	26.52	36.218	23.789
90	24.00	36.153	24.516
100	22.12	36.084	25.008
110	20.98	36.115	25.355
120	20.41	36.340	25.675
130	19.83	36.279	25.783
140	18.58	36.198	26.044
150	17.17	35.914	26.176
160	15.71	35.809	26.438
170	15.43	35.772	26.471
180	14.49	35.713	26.634
190	14.15	35.655	26.683
200	14.09	35.642	26.685
250	11.63	35.144	26.772
300	9.89	34.887	26.883
350	9.07	34.807	26.956
400	8.98	34.867	27.017
450	7.90	34.697	27.051
500	7.36	34.669	27.108
550	6.73	34.608	27.147
600	6.31	34.599	27.197
650	5.93	34.575	27.225
700	5.64	34.566	27.255
750	5.43	34.578	27.291
800	5.16	34.579	27.323
850	5.05	34.601	27.354
900	4.95	34.822	27.382
950	4.84	34.835	27.404
1000	4.81	34.879	27.443
1500	4.45	35.002	27.738
2000	3.59	34.982	27.814
2500	3.20	34.960	27.835
2604	3.13	34.957	27.839

BAL-STACS37-90 CTD 28 BALDRIGE

Date 09 23 90 Latitude 5.793N
Time 2050 Z Longitude 51.250W

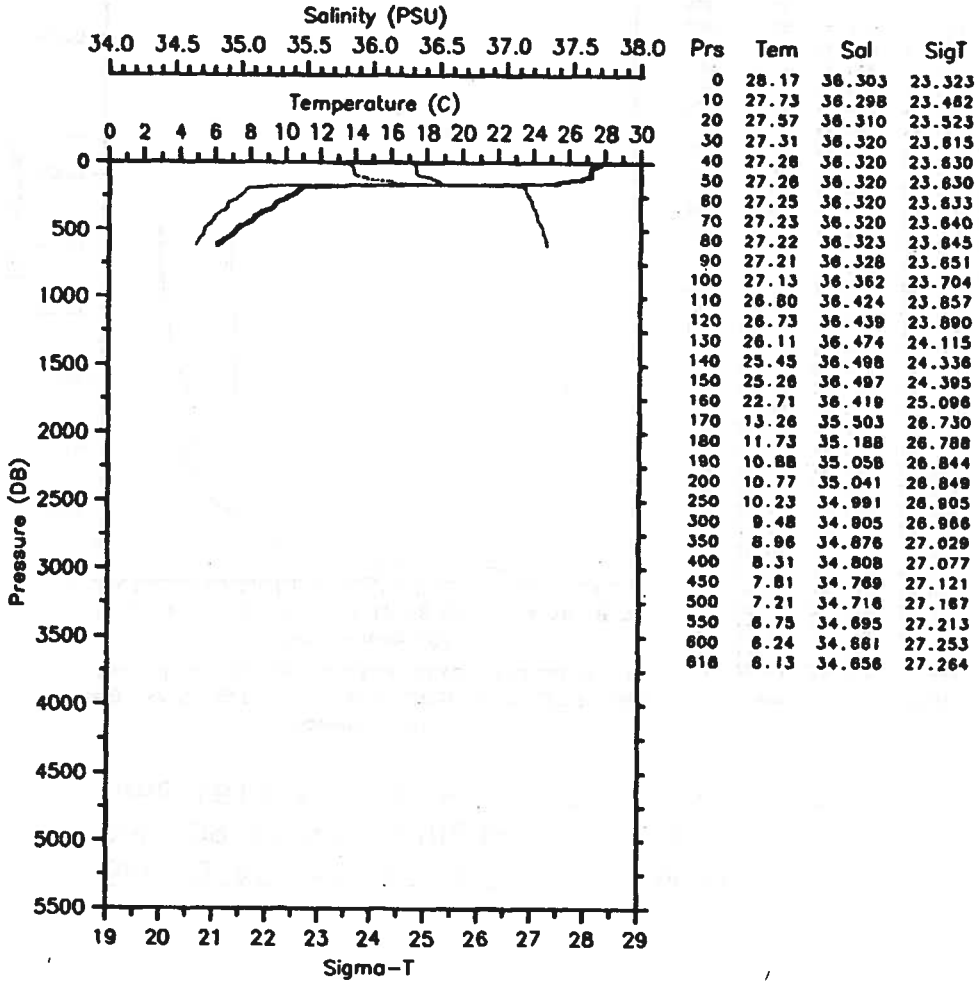


Prs	Tem	Sal	SigT
0	28.42	31.952	19.971
10	27.60	33.944	21.732
20	27.21	35.803	23.258
30	27.13	36.072	23.487
40	27.05	36.175	23.590
50	26.94	36.229	23.665
60	26.65	36.254	23.778
70	26.41	36.264	23.860
80	25.24	36.267	24.227
90	22.92	36.350	24.983
100	22.26	36.402	25.212
110	21.32	36.383	25.462
120	19.72	36.310	25.836
130	17.64	36.023	26.146
140	17.35	35.974	26.179
150	16.82	35.964	26.274
160	16.50	35.956	26.368
170	16.13	35.931	26.435
180	15.33	35.874	26.573
190	15.27	35.869	26.583
200	15.16	35.867	26.606
250	13.80	35.656	26.738
300	11.32	35.204	26.876
350	8.97	34.876	27.026
400	8.51	34.818	27.051
450	7.76	34.736	27.102
500	7.28	34.676	27.124
550	6.80	34.614	27.142
600	6.53	34.603	27.171
650	6.17	34.584	27.203
700	5.57	34.576	27.271
750	5.30	34.576	27.304
800	5.10	34.597	27.345
850	5.06	34.622	27.369
900	5.03	34.694	27.429
950	5.05	34.733	27.458
1000	5.06	34.793	27.504
1129	4.89	34.888	27.587

BAL-STACS37-90 CTD 29 BALDRIGE

Date 09 25 90 Latitude 3.965N

Time 0338 Z Longitude 48.743W

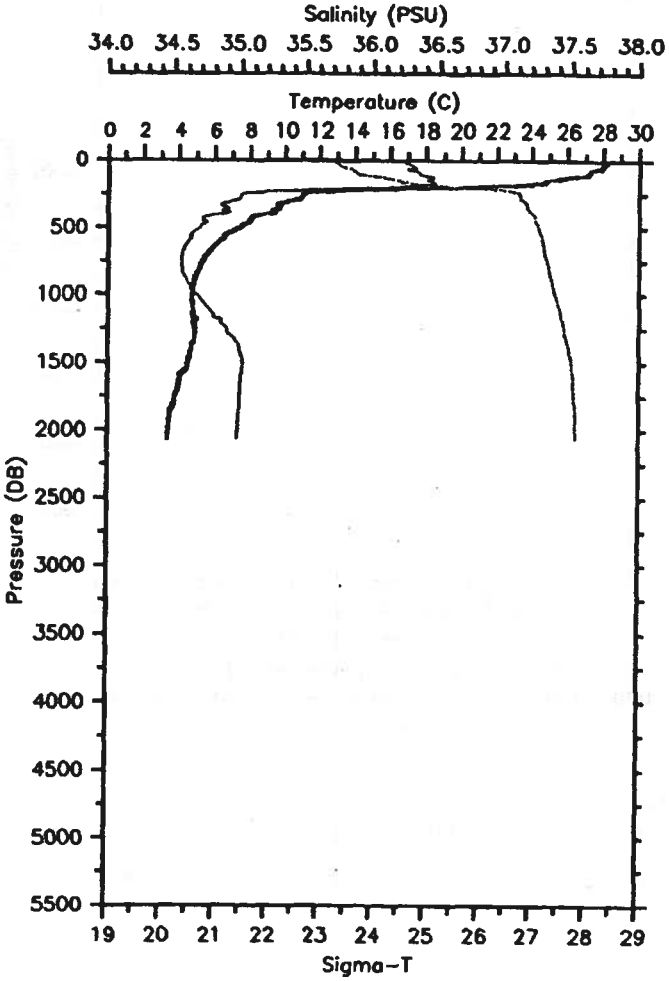


Prs	Tem	Sal	SigT
0	28.17	36.303	23.323
10	27.73	36.298	23.462
20	27.57	36.310	23.523
30	27.31	36.320	23.615
40	27.28	36.320	23.630
50	27.26	36.320	23.630
60	27.25	36.320	23.633
70	27.23	36.320	23.640
80	27.22	36.323	23.645
90	27.21	36.328	23.651
100	27.13	36.362	23.704
110	26.80	36.424	23.857
120	26.73	36.439	23.890
130	26.11	36.474	24.115
140	25.45	36.498	24.336
150	25.26	36.497	24.395
160	22.71	36.419	25.096
170	13.26	35.503	26.730
180	11.73	35.188	26.788
190	10.88	35.058	26.844
200	10.77	35.041	26.849
250	10.23	34.991	26.905
300	9.48	34.905	26.966
350	8.96	34.876	27.029
400	8.31	34.808	27.077
450	7.81	34.769	27.121
500	7.21	34.716	27.167
550	6.75	34.695	27.213
600	6.24	34.681	27.253
618	6.13	34.656	27.264

BAL-STACS37-90 CTD 30 BALDRIGE

Date 09 25 90 Latitude 4.534N

Time 0952 Z Longitude 48.356W

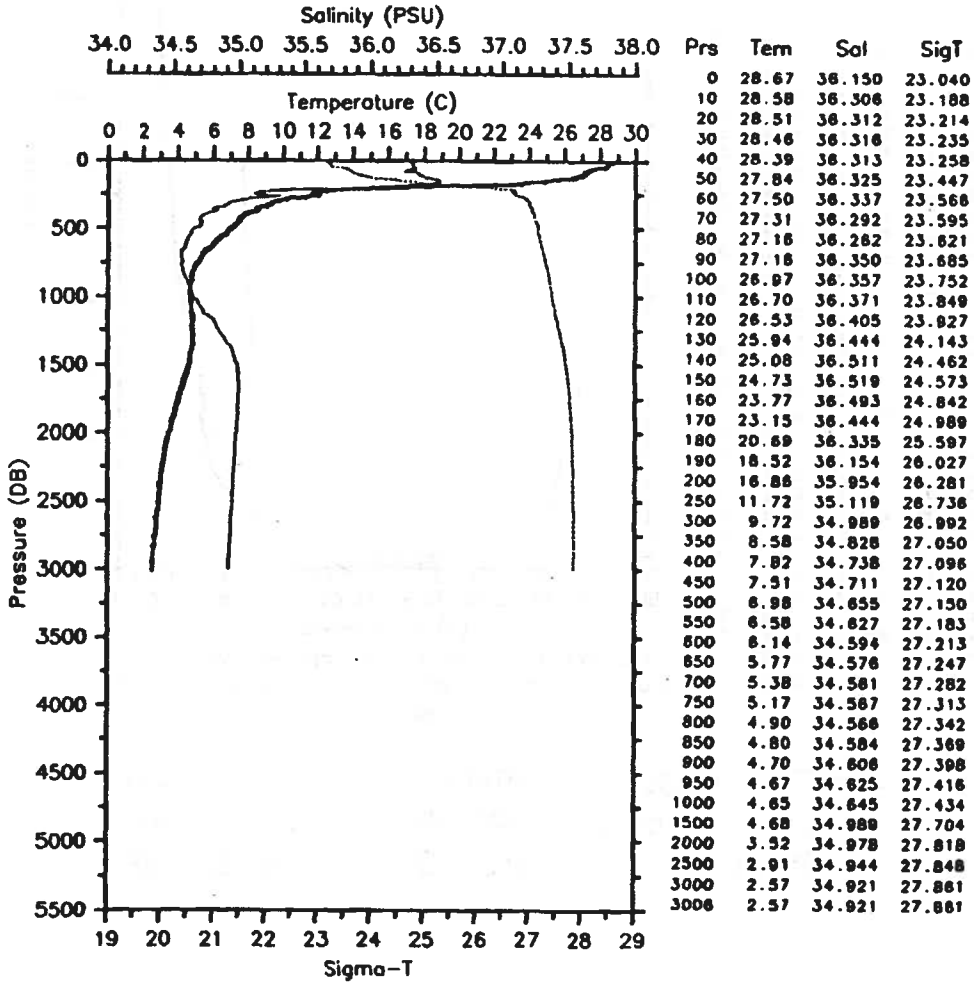


Prs	Tem	Sal	SigT
0	28.20	36.230	23.256
10	28.21	36.242	23.263
20	28.05	36.250	23.320
30	28.00	36.276	23.356
40	27.95	36.299	23.389
50	27.88	36.312	23.430
60	27.38	36.299	23.584
70	27.27	36.277	23.596
80	27.22	36.331	23.653
90	27.12	36.342	23.691
100	27.09	36.346	23.707
110	26.70	36.388	23.860
120	25.97	36.451	24.141
130	25.51	36.449	24.280
140	25.07	36.429	24.401
150	24.73	36.428	24.505
160	24.61	36.457	24.563
170	23.97	36.450	24.751
180	23.10	36.374	24.949
190	21.11	36.228	25.400
200	19.47	36.080	25.734
250	11.03	35.006	26.775
300	10.20	34.927	26.862
350	9.71	34.902	26.925
400	8.55	34.831	27.057
450	7.99	34.736	27.068
500	7.36	34.688	27.123
550	6.80	34.619	27.173
600	6.26	34.603	27.208
650	5.85	34.570	27.232
700	5.59	34.557	27.254
750	5.32	34.554	27.284
800	5.14	34.555	27.307
850	5.00	34.563	27.330
900	4.87	34.588	27.365
950	4.74	34.615	27.400
1000	4.76	34.670	27.441
1500	4.50	35.010	27.740
2000	3.43	34.975	27.825
2061	3.39	34.974	27.827

BAL-STACS37-90 CTD 31 BALDRIGE

Date 09 25 90 Latitude 4.908N

Time 1741 Z Longitude 47.555W

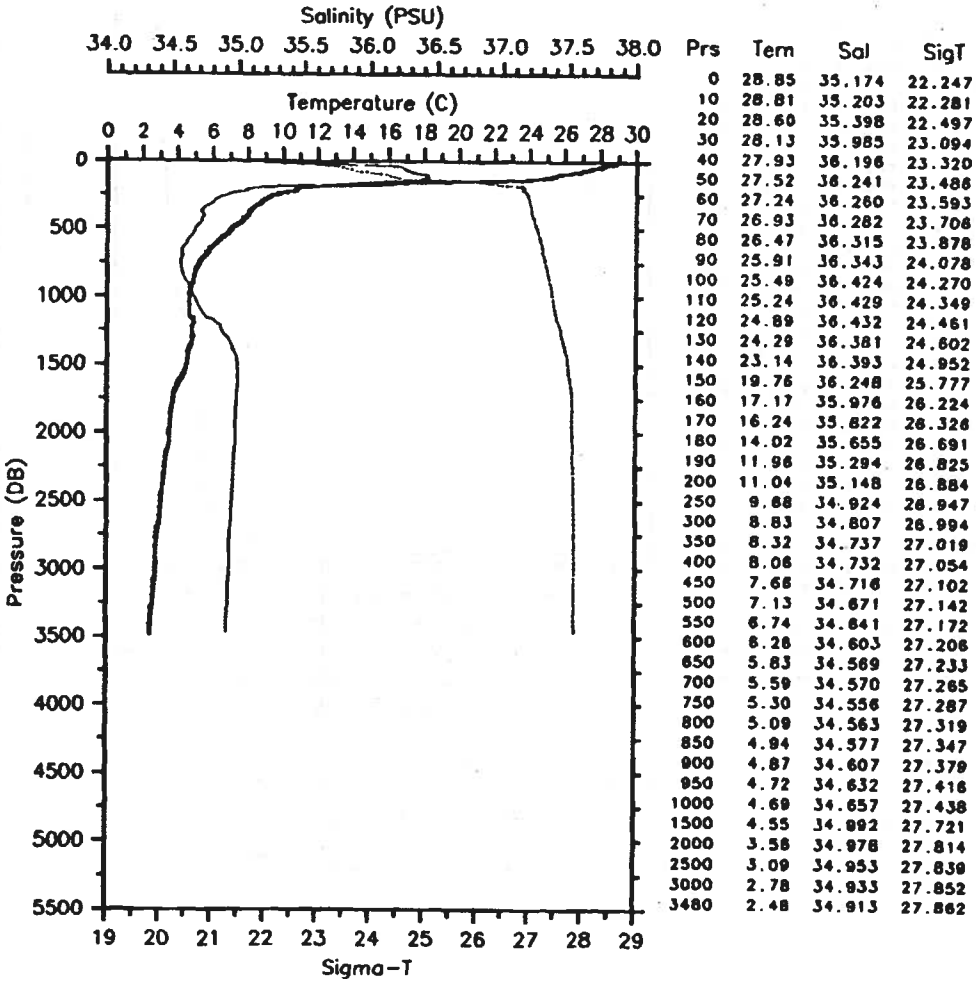


Prs	Tem	Sal	SigT
0	28.67	36.150	23.040
10	28.58	36.306	23.188
20	28.51	36.312	23.214
30	28.46	36.316	23.235
40	28.39	36.313	23.258
50	27.84	36.325	23.447
60	27.50	36.337	23.568
70	27.31	36.292	23.595
80	27.16	36.282	23.621
90	27.18	36.350	23.685
100	26.97	36.357	23.752
110	26.70	36.371	23.849
120	26.53	36.405	23.927
130	25.94	36.444	24.143
140	25.08	36.511	24.462
150	24.73	36.519	24.573
160	23.77	36.493	24.842
170	23.15	36.444	24.989
180	20.69	36.335	25.597
190	18.52	36.154	26.027
200	16.88	35.954	26.281
250	11.72	35.119	26.736
300	9.72	34.989	26.992
350	8.58	34.828	27.050
400	7.82	34.738	27.096
450	7.51	34.711	27.120
500	6.98	34.655	27.150
550	6.58	34.627	27.183
600	6.14	34.594	27.213
650	5.77	34.576	27.247
700	5.38	34.561	27.282
750	5.17	34.567	27.313
800	4.90	34.566	27.342
850	4.80	34.584	27.369
900	4.70	34.606	27.398
950	4.67	34.625	27.416
1000	4.65	34.645	27.434
1500	4.68	34.989	27.704
2000	3.52	34.978	27.818
2500	2.91	34.944	27.848
3000	2.57	34.921	27.861
3006	2.57	34.921	27.861

BAL-STACS37-90 CTD 32 BALDRIGE

Date 09 26 90 Latitude 5.299N

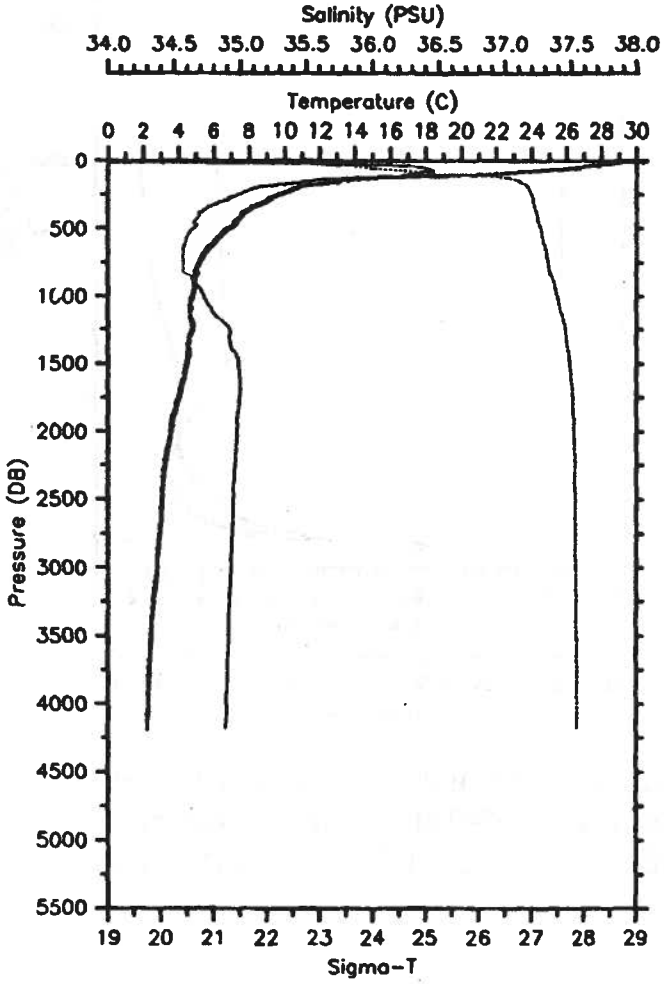
Time 0605 Z Longitude 46.811W



Prs	Tem	Sal	SigT
0	28.85	35.174	22.247
10	28.81	35.203	22.281
20	28.60	35.398	22.497
30	28.13	35.985	23.094
40	27.93	36.196	23.320
50	27.52	36.241	23.486
60	27.24	36.260	23.593
70	26.93	36.282	23.706
80	26.47	36.315	23.878
90	25.91	36.343	24.078
100	25.49	36.424	24.270
110	25.24	36.429	24.349
120	24.89	36.432	24.461
130	24.29	36.381	24.602
140	23.14	36.393	24.952
150	19.76	36.248	25.777
160	17.17	35.976	26.224
170	16.24	35.822	26.326
180	14.02	35.655	26.691
190	11.96	35.294	26.825
200	11.04	35.148	26.884
250	9.88	34.924	26.947
300	8.83	34.807	26.994
350	8.32	34.737	27.019
400	8.06	34.732	27.054
450	7.68	34.716	27.102
500	7.13	34.671	27.142
550	6.74	34.641	27.172
600	6.28	34.603	27.206
650	5.83	34.569	27.233
700	5.59	34.570	27.265
750	5.30	34.556	27.287
800	5.09	34.563	27.319
850	4.94	34.577	27.347
900	4.87	34.607	27.379
950	4.72	34.632	27.416
1000	4.69	34.657	27.438
1500	4.55	34.992	27.721
2000	3.58	34.978	27.814
2500	3.09	34.953	27.839
3000	2.78	34.933	27.852
3480	2.48	34.913	27.862

BAL-STACS37-90 CTD 33 BALDRIGE

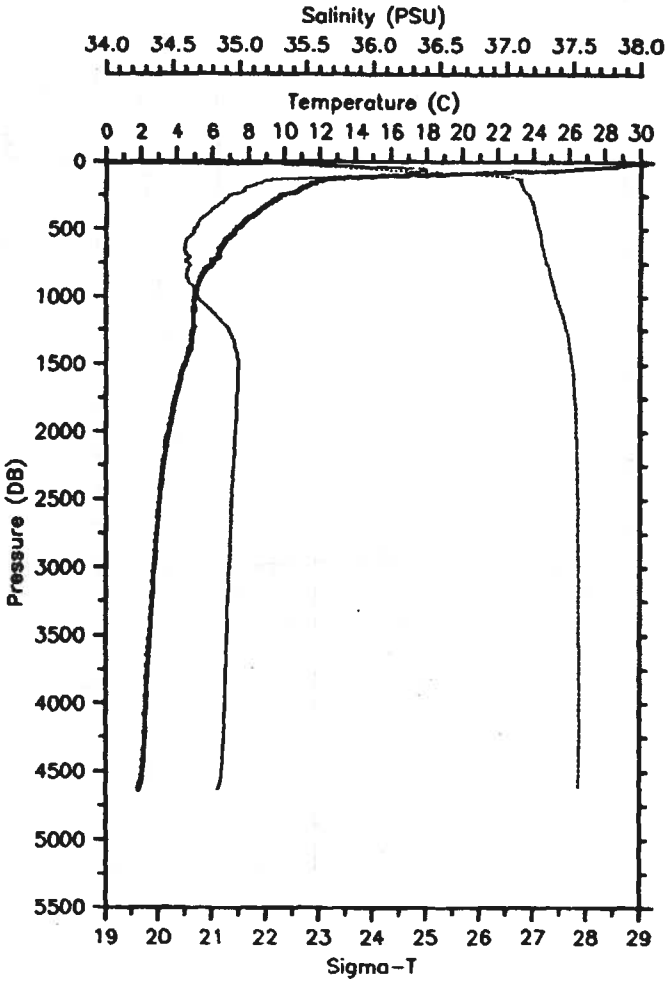
Date 09 26 90 Latitude 6.695N
Time 1944 Z Longitude 46.324W



Prs	Tem	Sal	SigT
0	30.40	30.314	18.084
10	29.51	32.560	20.065
20	28.51	35.274	22.433
30	27.87	36.122	23.282
40	27.10	36.313	23.677
50	26.81	36.382	23.885
60	25.77	36.434	24.189
70	24.40	36.463	24.833
80	23.12	36.382	24.949
90	22.31	36.345	25.155
100	20.55	36.245	25.566
110	18.45	36.324	26.174
120	15.96	35.970	26.505
130	14.54	35.699	26.613
140	13.71	35.577	26.695
150	13.04	35.491	26.766
160	12.53	35.405	26.801
170	12.02	35.342	26.851
180	11.24	35.216	26.900
190	10.81	35.147	26.925
200	10.56	35.110	26.939
250	9.62	34.980	27.000
300	8.94	34.857	27.016
350	8.13	34.749	27.058
400	7.59	34.694	27.094
450	7.18	34.651	27.121
500	6.78	34.648	27.172
550	6.41	34.605	27.187
600	6.09	34.588	27.216
650	5.87	34.569	27.254
700	5.41	34.568	27.285
750	5.24	34.570	27.308
800	5.03	34.573	27.333
850	5.02	34.636	27.384
900	4.89	34.655	27.414
950	4.89	34.706	27.454
1000	4.84	34.731	27.481
1500	4.47	34.987	27.725
2000	3.58	34.978	27.811
2500	3.07	34.951	27.840
3000	2.79	34.933	27.851
3500	2.47	34.911	27.862
4000	2.27	34.898	27.888
4179	2.23	34.890	27.885

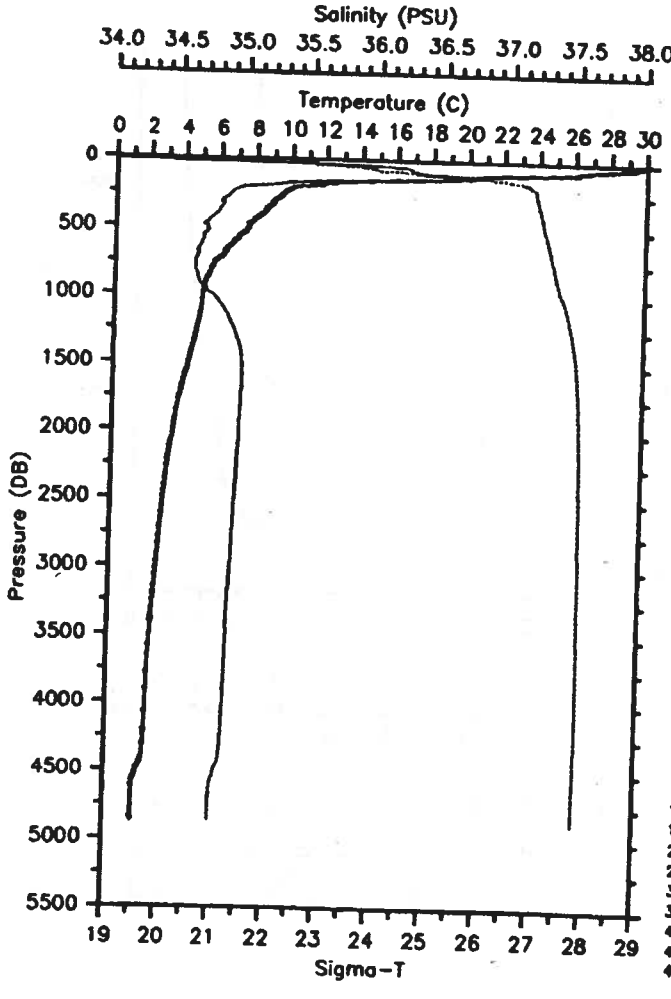
BAL-STACS37-90 CTD 34 BALDRIGE

Date 09 27 90 Latitude 8.355N
Time 0804 Z Longitude 46.330W



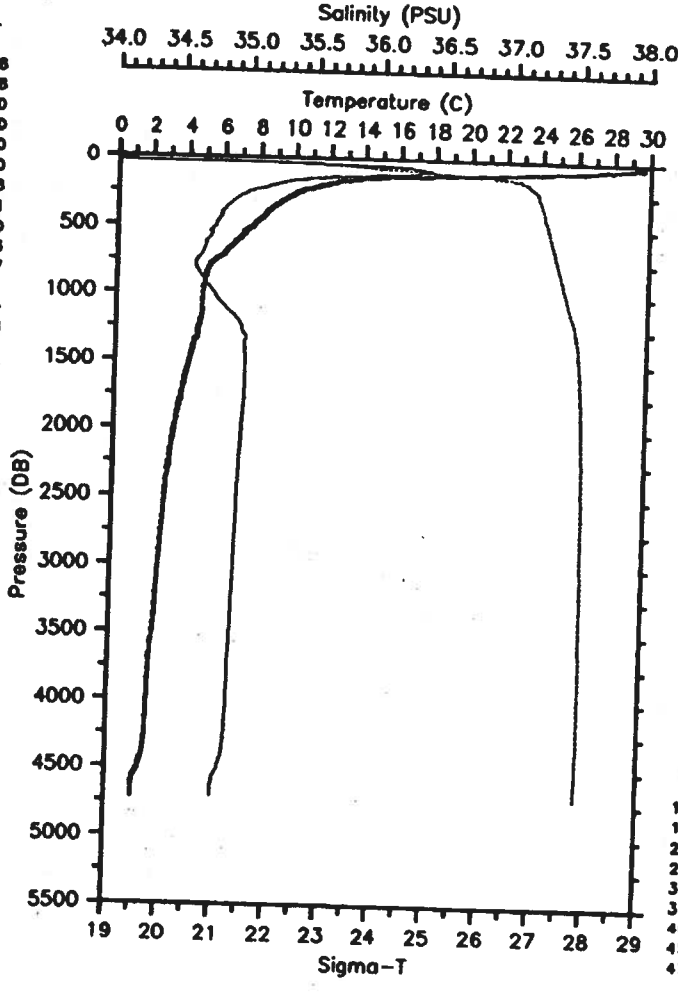
Prs	Tem	Sal	SigT
0	30.08	27.556	16.139
10	30.03	31.485	19.084
20	29.18	35.140	22.112
30	28.74	35.823	22.770
40	27.89	36.055	23.228
50	26.85	36.380	23.809
60	25.83	36.387	24.121
70	23.98	36.391	24.702
80	21.68	36.317	25.315
90	19.78	36.239	25.765
100	17.94	36.105	26.135
110	15.38	35.803	26.508
120	13.88	35.586	26.666
130	12.44	35.369	26.791
140	12.17	35.234	26.739
150	11.82	35.177	26.762
160	11.50	35.140	26.793
170	11.48	35.123	26.783
180	11.29	35.095	26.797
190	11.07	35.060	26.810
200	10.82	35.036	26.818
250	9.86	34.927	26.919
300	9.34	34.878	26.967
350	8.71	34.805	27.012
400	8.24	34.754	27.044
450	7.75	34.698	27.074
500	7.37	34.664	27.103
550	7.04	34.636	27.127
600	6.67	34.601	27.150
650	6.36	34.590	27.182
700	6.37	34.626	27.209
750	6.02	34.619	27.250
800	5.81	34.614	27.297
850	5.37	34.607	27.320
900	5.21	34.625	27.354
950	5.12	34.665	27.398
1000	5.05	34.689	27.424
1500	4.50	34.998	27.732
2000	3.57	34.976	27.811
2500	3.07	34.950	27.839
3000	2.74	34.930	27.852
3500	2.49	34.912	27.861
4000	2.28	34.895	27.865
4500	2.09	34.888	27.860
4834	1.90	34.845	27.856

BAL-STACS37-90 CTD 35 BALDRIGE
Date 09 27 90 Latitude 8.284N
Time 2324 Z Longitude 43.943W



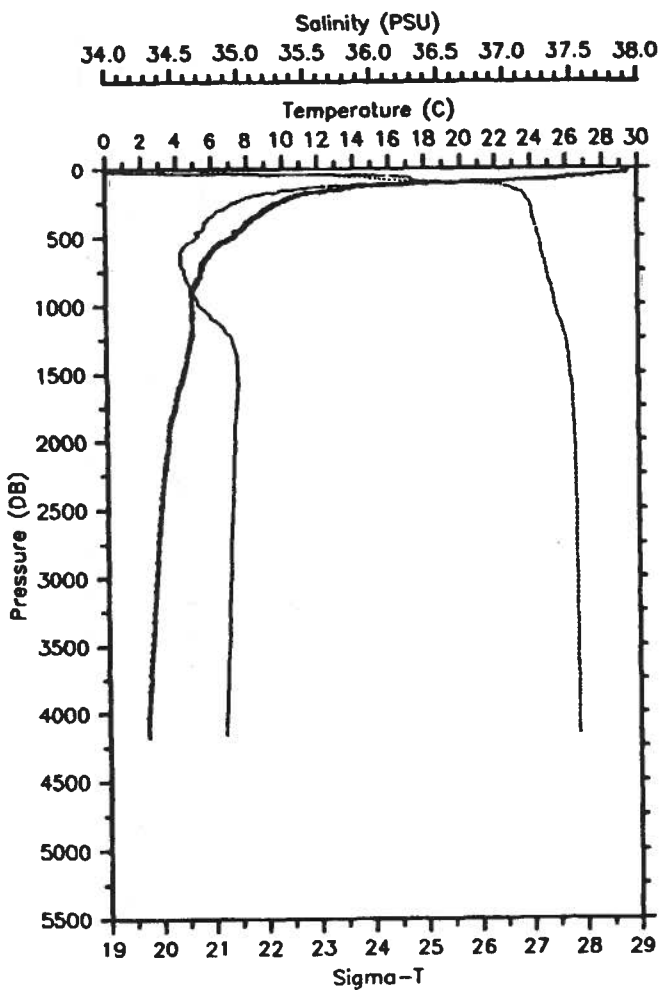
Prs	Tem	Sal	SigT
0	29.69	33.220	20.498
10	29.71	33.226	20.496
20	29.42	34.262	21.370
30	28.96	35.440	22.410
40	28.18	35.913	23.030
50	27.15	36.180	23.560
60	26.57	36.231	23.788
70	26.13	36.241	23.931
80	25.22	36.274	24.240
90	22.83	36.316	24.983
100	20.87	36.366	25.587
110	20.54	36.590	25.831
120	19.80	36.558	26.004
130	18.83	36.493	26.208
140	16.67	36.144	26.472
150	14.75	35.806	26.649
160	13.36	35.511	26.715
170	12.45	35.362	26.783
180	11.78	35.250	26.827
190	11.31	35.165	26.863
200	10.42	35.044	26.913
250	9.55	34.882	26.938
300	9.00	34.815	26.974
350	8.71	34.809	27.014
400	8.36	34.776	27.042
450	7.86	34.713	27.070
500	7.59	34.705	27.103
550	7.17	34.675	27.140
600	6.81	34.662	27.179
650	6.46	34.638	27.207
700	6.22	34.634	27.235
750	5.78	34.612	27.277
800	5.54	34.612	27.304
850	5.41	34.631	27.335
900	5.20	34.644	27.370
950	5.13	34.676	27.403
1000	5.08	34.754	27.471
1500	4.33	34.980	27.735
2000	3.49	34.987	27.811
2500	3.01	34.945	27.841
3000	2.70	34.925	27.853
3500	2.43	34.908	27.862
4000	2.26	34.895	27.865
4500	1.85	34.840	27.856
4863	1.58	34.804	27.847

BAL-STACS37-90 CTD 36 BALDRIGE
Date 09 28 90 Latitude 6.674N
Time 1155 Z Longitude 44.044W



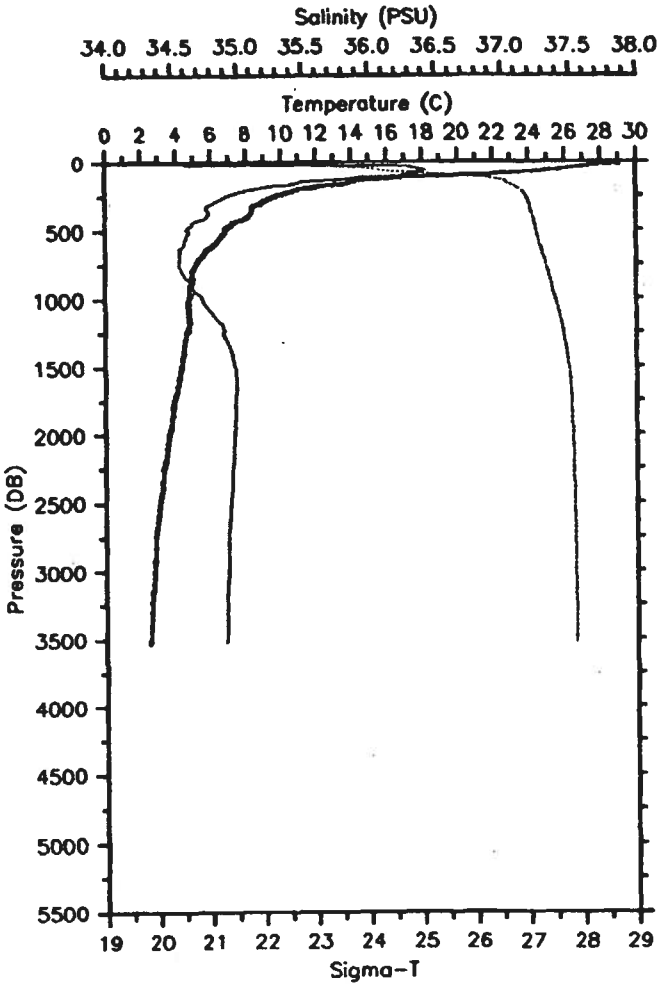
Prs	Tem	Sal	SigT
0	29.23	33.153	20.603
10	29.25	33.160	20.603
20	29.25	33.160	20.603
30	29.02	33.827	20.978
40	28.89	35.513	22.488
50	28.07	35.992	23.122
60	26.99	36.226	23.648
70	28.31	36.281	23.904
80	24.58	36.365	24.504
90	22.95	36.303	24.937
100	21.73	36.273	25.263
110	19.69	36.156	25.727
120	17.56	35.914	26.081
130	15.57	35.773	26.443
140	14.39	35.574	26.549
150	13.63	35.440	26.605
160	12.95	35.371	26.691
170	12.35	35.288	26.748
180	12.11	35.254	26.765
190	11.82	35.209	26.787
200	11.42	35.163	26.826
250	10.14	34.988	26.919
300	9.42	34.893	26.986
350	8.85	34.827	27.007
400	8.39	34.783	27.045
450	7.98	34.761	27.089
500	7.64	34.739	27.122
550	7.25	34.715	27.160
600	6.78	34.679	27.197
650	6.42	34.684	27.232
700	6.11	34.645	27.258
750	5.80	34.607	27.293
800	5.24	34.595	27.326
850	5.08	34.624	27.368
900	5.01	34.657	27.402
950	4.96	34.695	27.438
1000	4.91	34.735	27.476
1500	4.24	34.983	27.748
2000	3.49	34.985	27.811
2500	3.00	34.941	27.838
3000	2.74	34.924	27.849
3500	2.50	34.912	27.859
4000	2.29	34.898	27.865
4500	1.92	34.848	27.857
4712	1.53	34.800	27.848

BAL-STACS37-90 CTD 37 BALDRIGE
Date 09 28 90 Latitude 5.977N
Time 2120 Z Longitude 44.033W



Prs	Tem	Sal	SigT
0	29.38	33.472	20.793
10	29.34	33.488	20.819
20	29.30	33.535	20.886
30	29.37	34.393	21.488
40	28.64	35.116	22.274
50	27.79	36.034	23.244
60	27.17	36.231	23.593
70	26.00	36.296	24.015
80	25.43	36.307	24.199
90	23.79	36.307	24.698
100	21.46	36.396	25.431
110	19.14	36.257	25.947
120	16.94	35.983	26.270
130	14.88	35.653	26.503
140	13.89	35.539	26.605
150	13.41	35.462	26.666
160	12.69	35.381	26.751
170	12.25	35.302	26.776
180	11.44	35.203	26.853
190	11.02	35.139	26.880
200	10.74	35.103	26.903
250	9.69	34.966	26.979
300	9.01	34.886	27.028
350	8.47	34.789	27.037
400	8.02	34.749	27.074
450	7.55	34.720	27.121
500	7.10	34.683	27.155
550	6.42	34.609	27.189
600	5.98	34.571	27.216
650	5.72	34.567	27.246
700	5.46	34.564	27.278
750	5.41	34.595	27.307
800	5.20	34.600	27.335
850	5.02	34.630	27.379
900	4.82	34.637	27.407
950	4.69	34.688	27.441
1000	4.69	34.715	27.463
1500	4.39	34.893	27.740
2000	3.47	34.966	27.813
2500	3.01	34.944	27.840
3000	2.74	34.928	27.851
3500	2.50	34.913	27.860
4000	2.24	34.893	27.867
4162	2.19	34.886	27.865

BAL-STACS37-90 CTD 38 BALDRIGE
Date 09 29 90 Latitude 5.262N
Time 0329 Z Longitude 43.989W

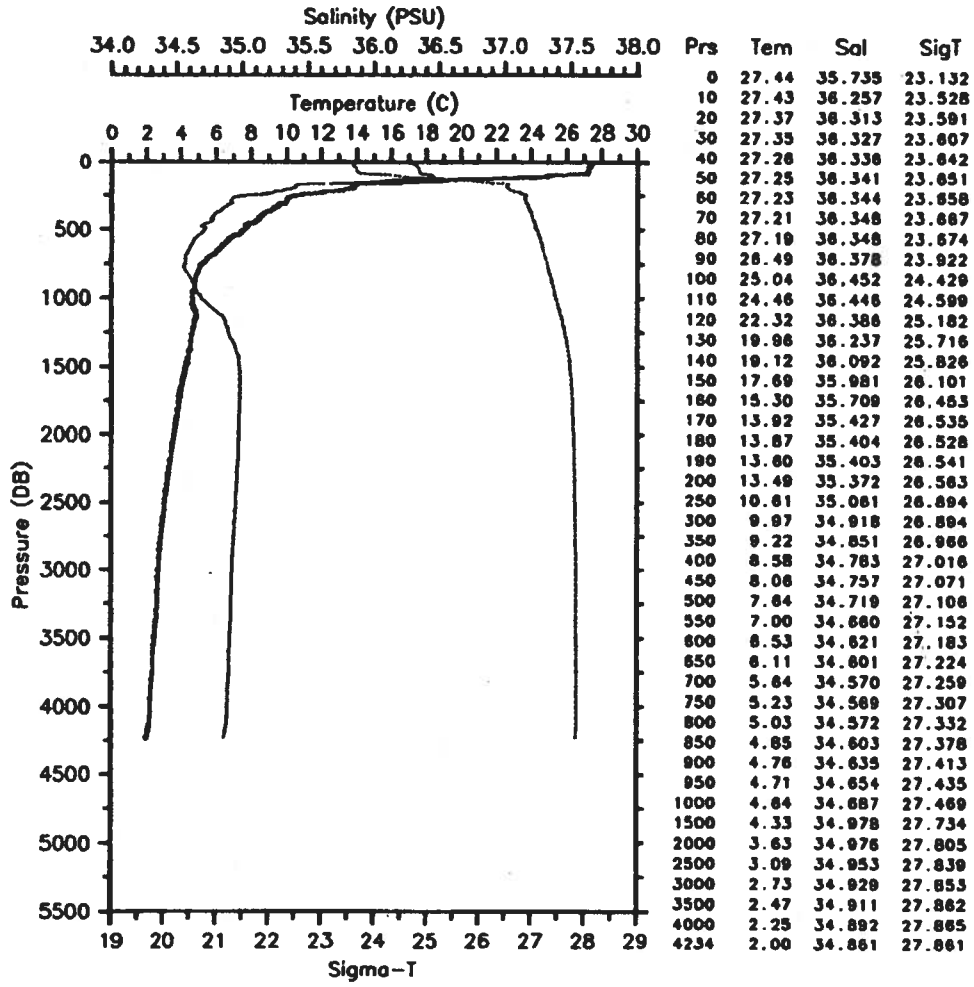


Prs	Tem	Sal	SigT
0	29.06	34.598	21.748
10	29.06	34.604	21.740
20	28.92	34.754	21.909
30	27.50	36.173	23.442
40	26.96	36.311	23.721
50	26.24	36.370	23.994
60	25.68	36.427	24.220
70	24.88	36.402	24.441
80	23.59	36.348	24.786
90	22.20	36.315	25.162
100	20.86	36.318	25.536
110	18.80	36.130	25.838
120	16.81	35.894	26.248
130	15.89	35.792	26.383
140	14.30	35.593	26.582
150	13.81	35.495	26.588
160	13.68	35.458	26.609
170	13.01	35.380	26.686
180	12.28	35.273	26.747
190	11.76	35.204	26.794
200	11.23	35.140	26.842
250	9.71	34.921	26.941
300	8.90	34.824	26.998
350	8.41	34.777	27.036
400	8.18	34.776	27.074
450	7.26	34.683	27.117
500	6.91	34.638	27.148
550	6.52	34.619	27.184
600	6.22	34.601	27.210
650	5.78	34.588	27.241
700	5.43	34.585	27.279
750	5.14	34.561	27.311
800	4.92	34.579	27.351
850	4.93	34.622	27.384
900	4.83	34.656	27.422
950	4.80	34.683	27.447
1000	4.77	34.743	27.497
1500	4.34	34.984	27.736
2000	3.60	34.978	27.810
2500	3.09	34.948	27.835
3000	2.77	34.928	27.849
3500	2.53	34.913	27.858
3524	2.45	34.909	27.861

BAL-STACS37-90 CTD 39 BALDRIGE

Date 09 29 90 Latitude 4.233N

Time 2302 Z Longitude 44.006W

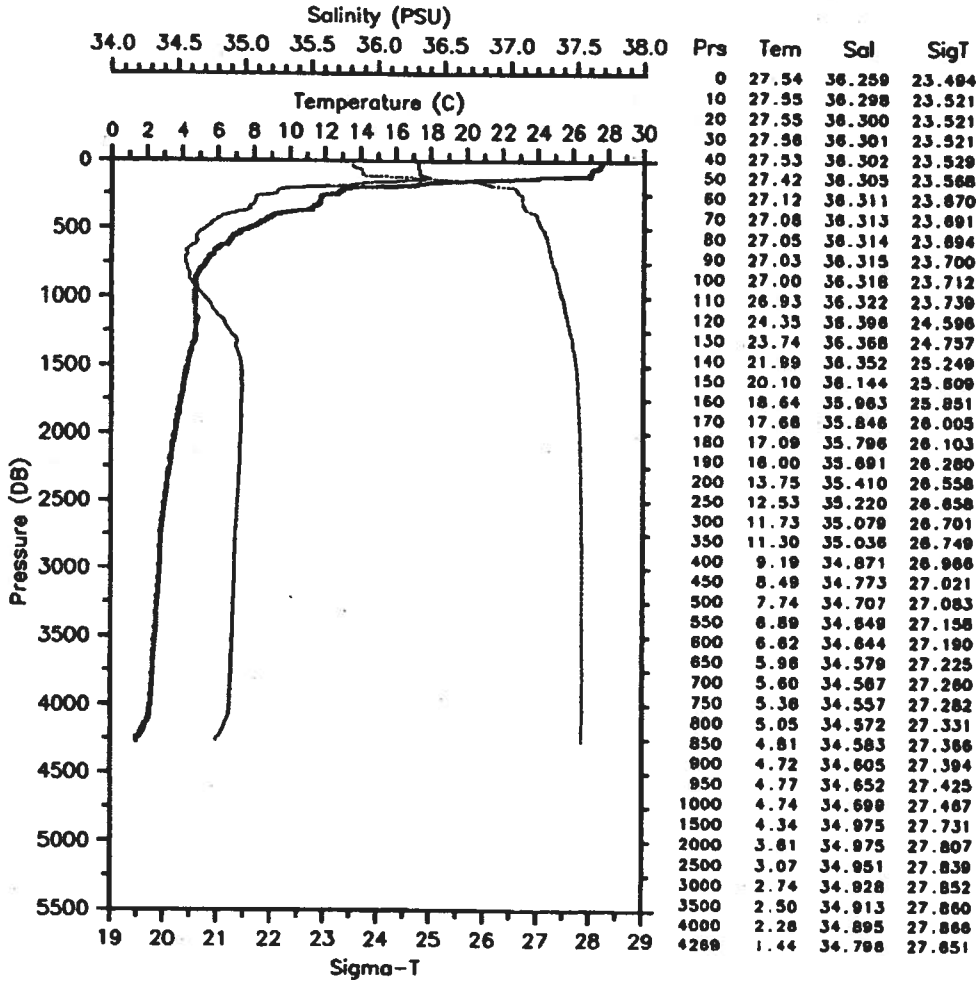


Prs	Tem	Sal	SigT
0	27.44	35.735	23.132
10	27.43	36.257	23.528
20	27.37	36.313	23.591
30	27.35	36.327	23.607
40	27.26	36.336	23.642
50	27.25	36.341	23.651
60	27.23	36.344	23.658
70	27.21	36.348	23.667
80	27.19	36.348	23.674
90	26.49	36.378	23.922
100	25.04	36.452	24.429
110	24.46	36.446	24.599
120	22.32	36.386	25.182
130	19.96	36.237	25.716
140	19.12	36.092	25.826
150	17.69	35.981	26.101
160	15.30	35.709	26.453
170	13.92	35.427	26.535
180	13.87	35.404	26.528
190	13.80	35.403	26.541
200	13.49	35.372	26.563
250	10.61	35.081	26.894
300	9.87	34.918	26.894
350	9.22	34.851	26.966
400	8.58	34.783	27.018
450	8.06	34.757	27.071
500	7.64	34.719	27.106
550	7.00	34.660	27.152
600	6.53	34.621	27.183
650	6.11	34.601	27.224
700	5.64	34.570	27.259
750	5.23	34.569	27.307
800	5.03	34.572	27.332
850	4.85	34.603	27.378
900	4.76	34.635	27.413
950	4.71	34.654	27.435
1000	4.64	34.687	27.469
1500	4.33	34.978	27.734
2000	3.63	34.976	27.805
2500	3.09	34.953	27.839
3000	2.73	34.929	27.853
3500	2.47	34.911	27.862
4000	2.25	34.892	27.865
4234	2.00	34.861	27.861

BAL-STACS37-90 CTD 40 BALDRIGE

Date 09 30 90 Latitude 3.305N

Time 0821 Z Longitude 44.005W

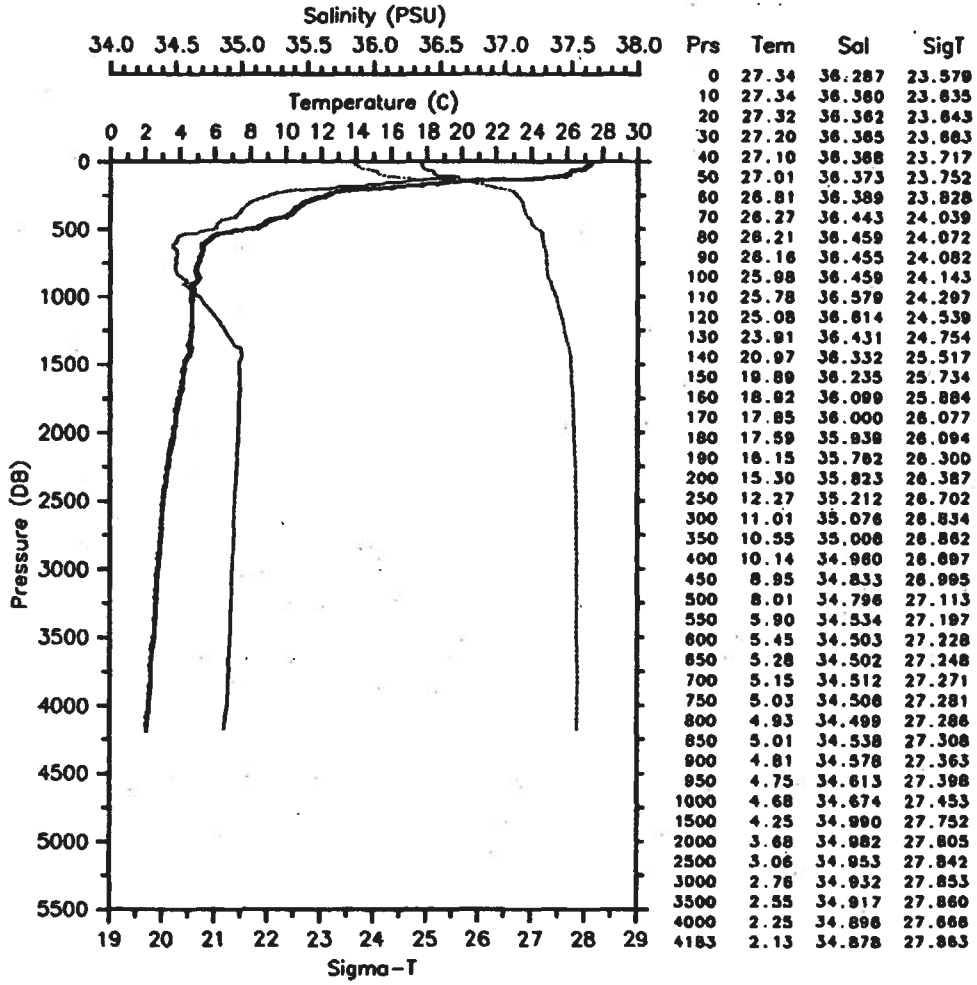


Prs	Tem	Sal	SigT
0	27.54	36.259	23.494
10	27.55	36.298	23.521
20	27.55	36.300	23.521
30	27.56	36.301	23.521
40	27.53	36.302	23.529
50	27.42	36.305	23.568
60	27.12	36.311	23.670
70	27.08	36.313	23.691
80	27.05	36.314	23.694
90	27.03	36.315	23.700
100	27.00	36.318	23.712
110	26.93	36.322	23.739
120	24.35	36.396	24.596
130	23.74	36.368	24.757
140	21.89	36.352	25.249
150	20.10	36.144	25.609
160	18.64	35.963	25.851
170	17.68	35.846	26.005
180	17.09	35.796	26.103
190	16.00	35.691	26.280
200	13.75	35.410	26.558
250	12.53	35.220	26.658
300	11.73	35.079	26.701
350	11.30	35.036	26.749
400	9.19	34.871	26.966
450	8.49	34.773	27.021
500	7.74	34.707	27.083
550	6.89	34.649	27.158
600	6.62	34.644	27.190
650	5.98	34.579	27.225
700	5.60	34.567	27.260
750	5.36	34.557	27.282
800	5.05	34.572	27.331
850	4.81	34.583	27.366
900	4.72	34.605	27.394
950	4.77	34.652	27.425
1000	4.74	34.698	27.467
1500	4.34	34.975	27.731
2000	3.61	34.975	27.807
2500	3.07	34.951	27.839
3000	2.74	34.928	27.852
3500	2.50	34.913	27.860
4000	2.28	34.895	27.866
4269	1.44	34.798	27.851

BAL-STACS37-90 CTD 41 BALDRIGE

Date 09 30 90 Latitude 1.957N

Time 2042 Z Longitude 44.029W

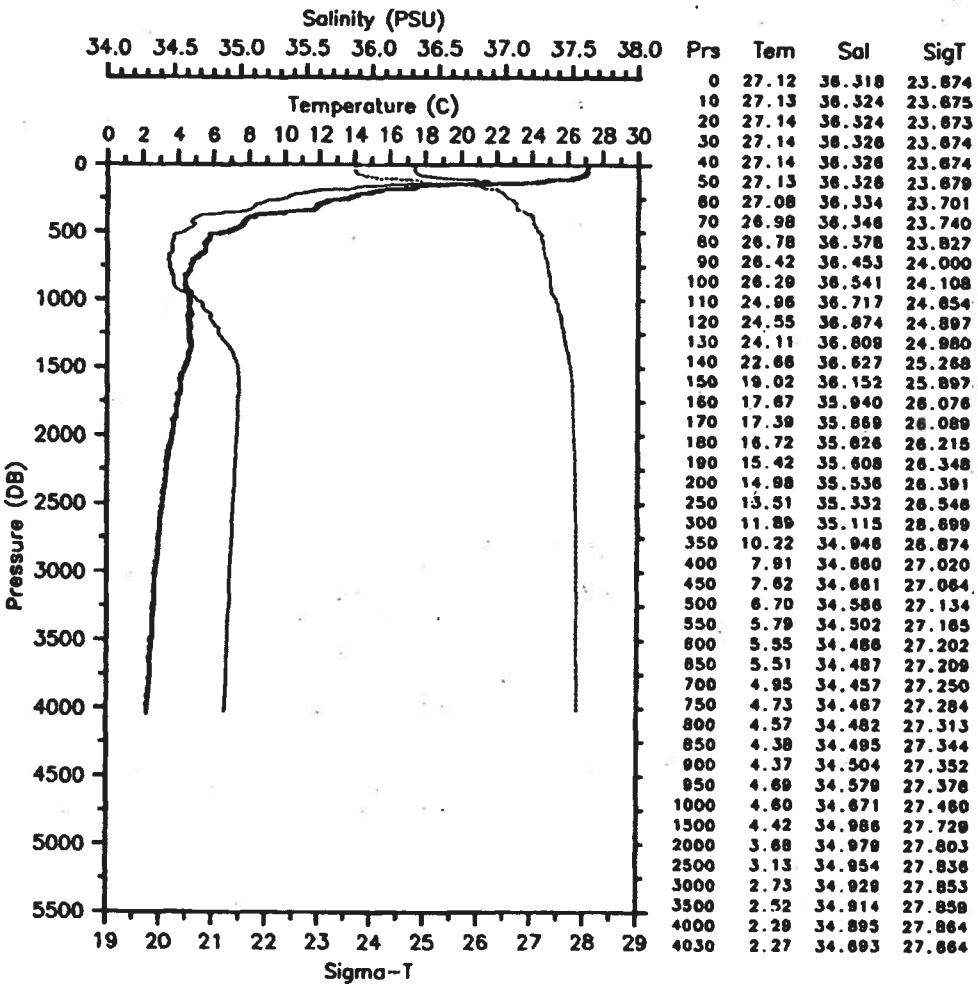


Prs	Tem	Sal	SigT
0	27.34	36.287	23.579
10	27.34	36.360	23.635
20	27.32	36.362	23.643
30	27.20	36.365	23.663
40	27.10	36.368	23.717
50	27.01	36.373	23.752
60	26.81	36.389	23.828
70	26.27	36.443	24.039
80	26.21	36.459	24.072
90	26.16	36.455	24.082
100	25.98	36.459	24.143
110	25.78	36.579	24.297
120	25.08	36.614	24.539
130	23.91	36.431	24.754
140	20.97	36.332	25.517
150	19.89	36.235	25.734
160	18.82	36.099	25.884
170	17.85	36.000	26.077
180	17.59	35.938	26.094
190	16.15	35.782	26.300
200	15.30	35.823	26.387
250	12.27	35.212	26.702
300	11.01	35.076	26.834
350	10.55	35.008	26.862
400	10.14	34.980	26.897
450	8.95	34.833	26.995
500	8.01	34.796	27.113
550	5.90	34.534	27.197
600	5.45	34.503	27.228
650	5.28	34.502	27.248
700	5.15	34.512	27.271
750	5.03	34.506	27.281
800	4.93	34.499	27.286
850	5.01	34.538	27.308
900	4.81	34.578	27.363
950	4.75	34.613	27.398
1000	4.68	34.674	27.453
1500	4.25	34.990	27.752
2000	3.68	34.982	27.805
2500	3.06	34.953	27.842
3000	2.76	34.932	27.853
3500	2.55	34.917	27.860
4000	2.25	34.896	27.868
4183	2.13	34.878	27.863

BAL-STACS37-90 CTD 42 BALDRIGE

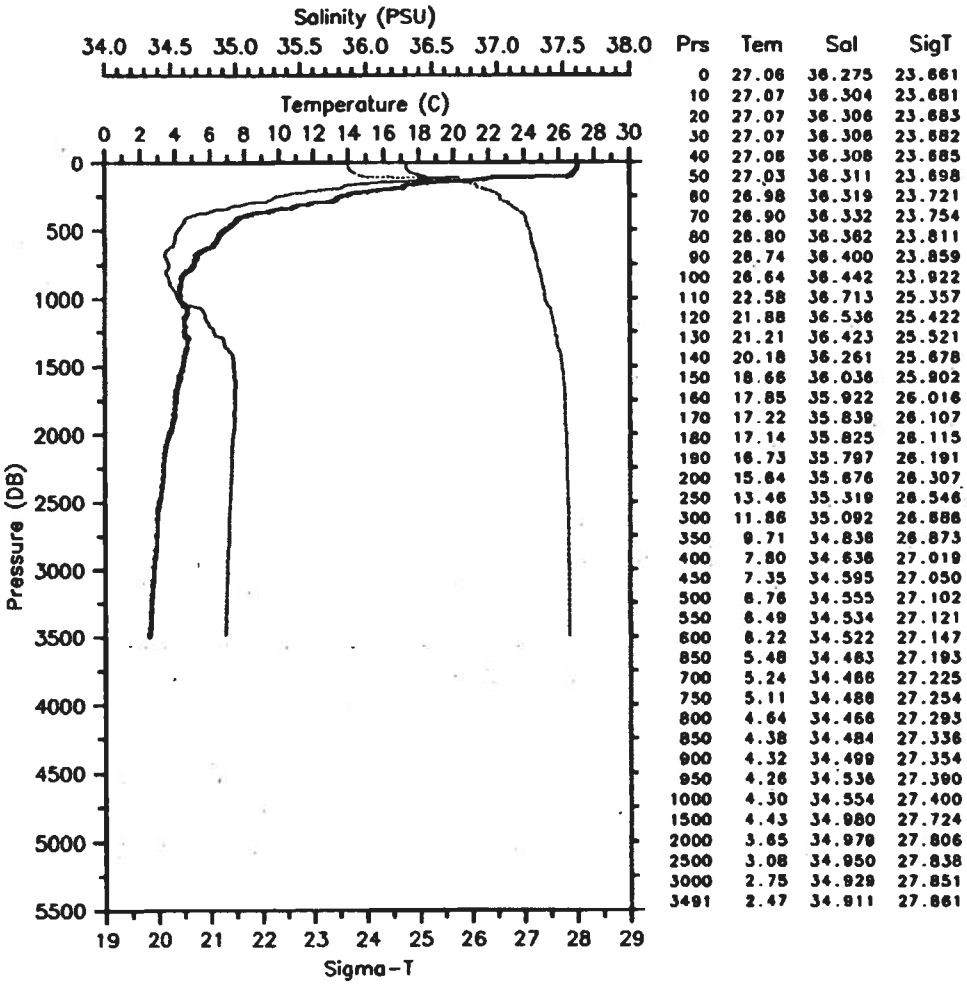
Date 10 01 90 Latitude 0.868N

Time 0635 Z Longitude 44.050W



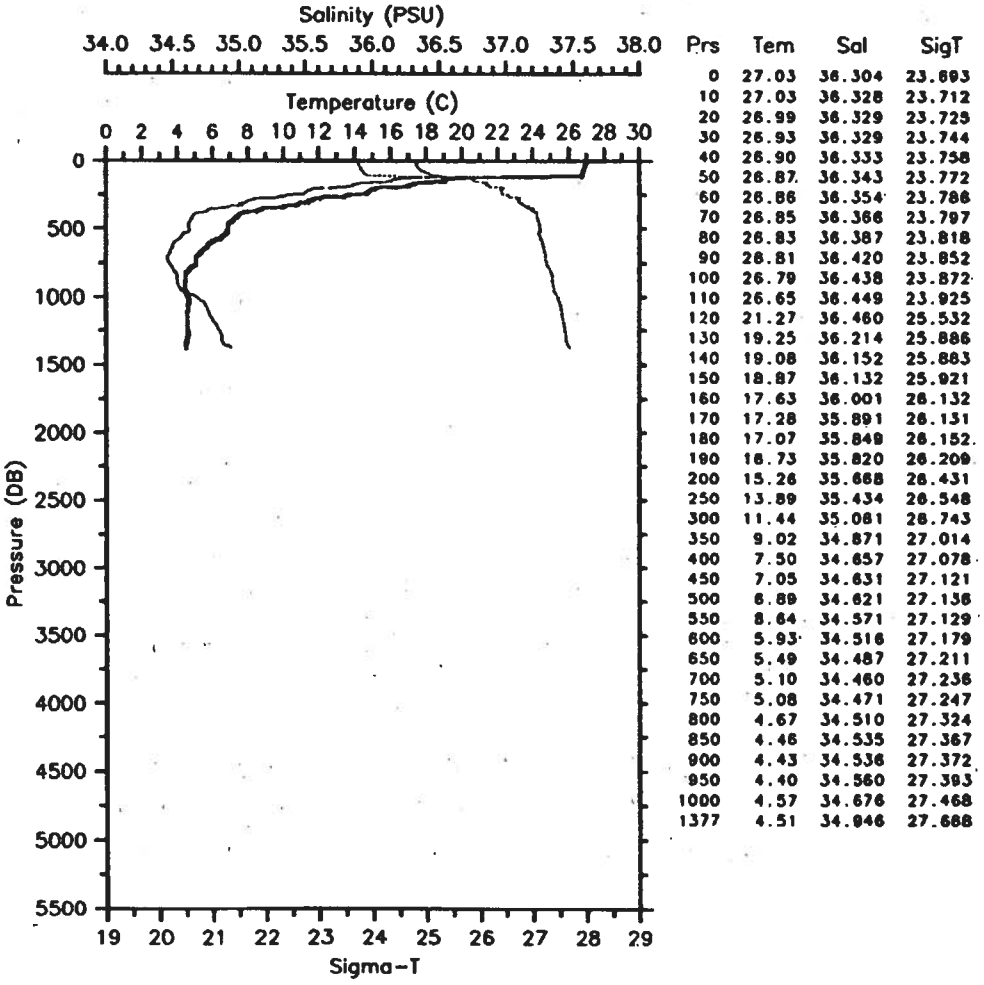
Prs	Tem	Sal	SigT
0	27.12	36.318	23.674
10	27.13	36.324	23.675
20	27.14	36.324	23.673
30	27.14	36.326	23.674
40	27.14	36.326	23.674
50	27.13	36.326	23.679
60	27.08	36.334	23.701
70	26.98	36.346	23.740
80	26.78	36.378	23.827
90	26.42	36.453	24.000
100	26.29	36.541	24.108
110	24.96	36.717	24.654
120	24.55	36.874	24.897
130	24.11	36.809	24.980
140	22.66	36.627	25.268
150	19.02	36.152	25.897
160	17.67	35.940	26.076
170	17.39	35.869	26.089
180	16.72	35.826	26.215
190	15.42	35.608	26.348
200	14.98	35.536	26.391
250	13.51	35.332	26.548
300	11.89	35.115	26.699
350	10.22	34.946	26.874
400	7.91	34.660	27.020
450	7.62	34.661	27.064
500	6.70	34.586	27.134
550	5.79	34.502	27.165
600	5.55	34.486	27.202
650	5.51	34.487	27.209
700	4.95	34.457	27.250
750	4.73	34.467	27.284
800	4.57	34.482	27.313
850	4.38	34.495	27.344
900	4.37	34.504	27.352
950	4.69	34.579	27.378
1000	4.60	34.671	27.460
1500	4.42	34.986	27.729
2000	3.68	34.979	27.803
2500	3.13	34.954	27.836
3000	2.73	34.928	27.853
3500	2.52	34.914	27.859
4000	2.29	34.895	27.864
4030	2.27	34.893	27.864

BAL-STACS37-90 CTD 43 BALDRIGE
Date 10 01 90 Latitude 0.498N
Time 1300 Z Longitude 44.258W



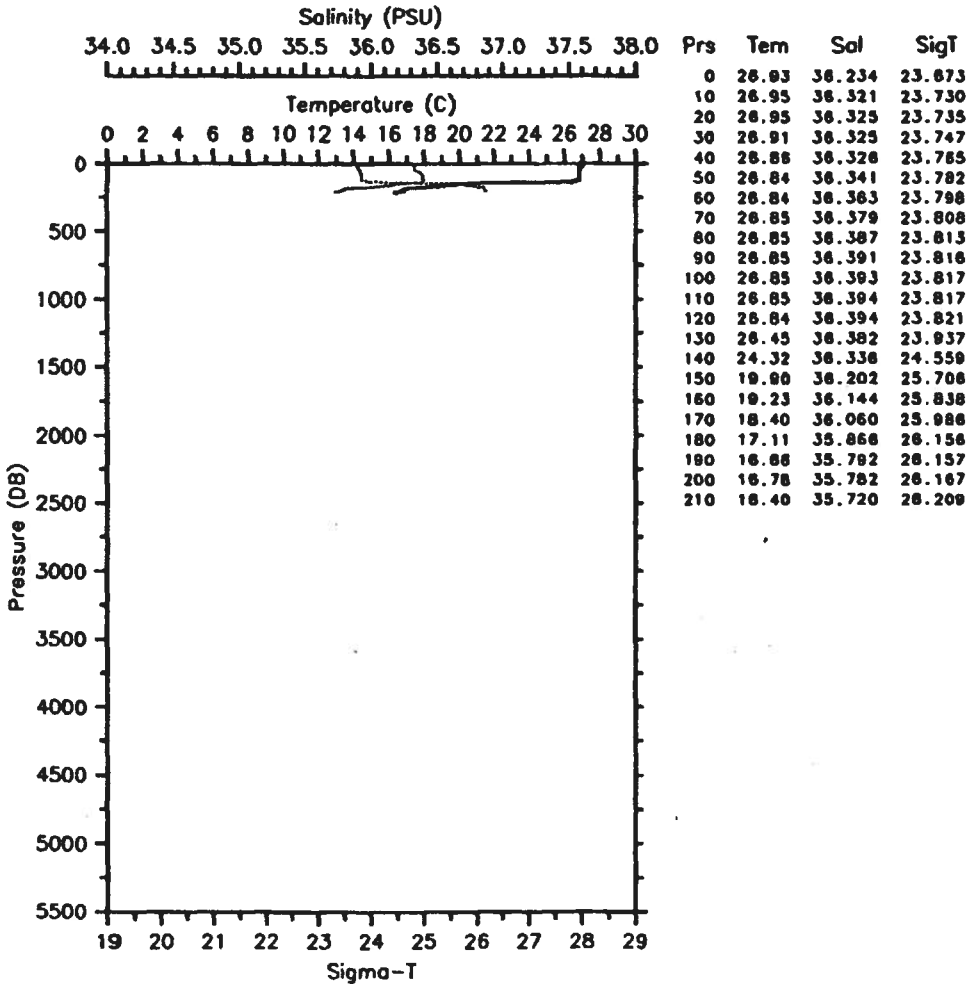
Prs	Tem	Sal	SigT
0	27.06	36.275	23.661
10	27.07	36.304	23.681
20	27.07	36.306	23.683
30	27.07	36.306	23.682
40	27.08	36.308	23.685
50	27.03	36.311	23.698
60	26.98	36.319	23.721
70	26.90	36.332	23.754
80	26.80	36.362	23.811
90	26.74	36.400	23.859
100	26.64	36.442	23.922
110	22.58	36.713	25.357
120	21.88	36.536	25.422
130	21.21	36.423	25.521
140	20.18	36.261	25.678
150	18.66	36.036	25.902
160	17.85	35.922	26.016
170	17.22	35.839	26.107
180	17.14	35.825	26.115
190	16.73	35.787	26.191
200	15.84	35.676	26.307
250	13.46	35.319	26.546
300	11.86	35.092	26.686
350	9.71	34.838	26.873
400	7.80	34.636	27.019
450	7.35	34.595	27.050
500	6.76	34.555	27.102
550	6.49	34.534	27.121
600	6.22	34.522	27.147
650	5.48	34.483	27.193
700	5.24	34.466	27.225
750	5.11	34.488	27.254
800	4.64	34.466	27.293
850	4.38	34.484	27.336
900	4.32	34.498	27.354
950	4.26	34.536	27.390
1000	4.30	34.554	27.400
1500	4.43	34.980	27.724
2000	3.65	34.979	27.806
2500	3.08	34.950	27.838
3000	2.75	34.928	27.851
3491	2.47	34.911	27.861

BAL-STACS37-90 CTD 44 BALDRIGE
Date 10 01 90 Latitude 0.142N
Time 1820 Z Longitude 44.422W



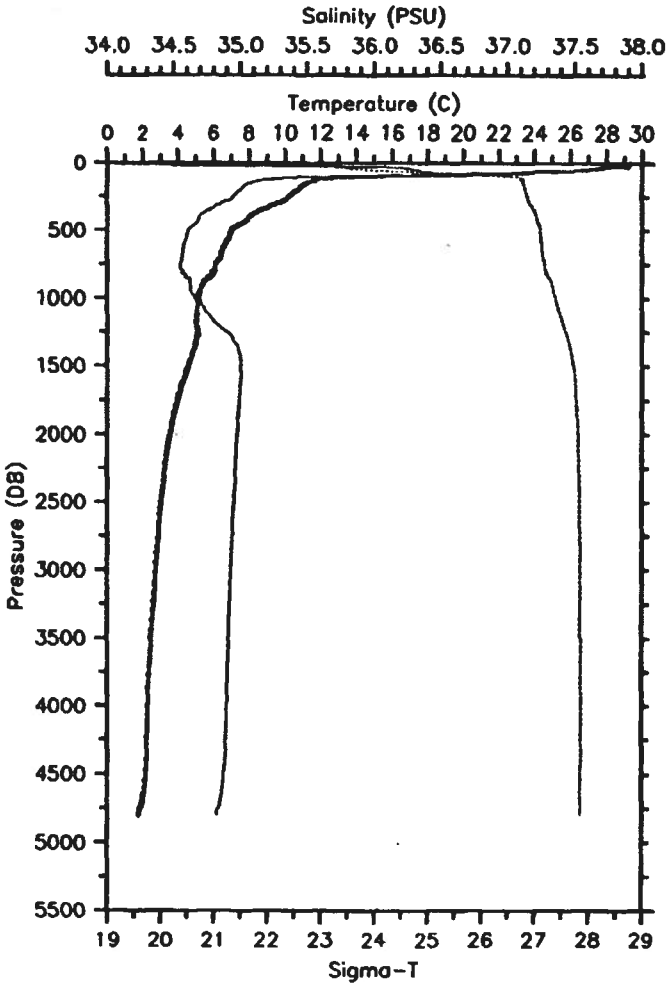
Prs	Tem	Sal	SigT
0	27.03	36.304	23.693
10	27.03	36.328	23.712
20	26.99	36.329	23.725
30	26.93	36.329	23.744
40	26.90	36.333	23.758
50	26.87	36.343	23.772
60	26.86	36.354	23.786
70	26.85	36.366	23.797
80	26.83	36.387	23.818
90	26.81	36.420	23.852
100	26.79	36.438	23.872
110	26.65	36.449	23.925
120	21.27	36.460	25.532
130	19.25	36.214	25.886
140	19.08	36.152	25.883
150	18.87	36.132	25.921
160	17.63	36.001	26.132
170	17.28	35.891	26.131
180	17.07	35.849	26.152
190	16.73	35.820	26.209
200	15.26	35.668	26.431
250	13.89	35.434	26.548
300	11.44	35.081	26.743
350	9.02	34.871	27.014
400	7.50	34.657	27.078
450	7.05	34.631	27.121
500	6.89	34.621	27.136
550	8.64	34.571	27.129
600	5.93	34.516	27.179
650	5.49	34.487	27.211
700	5.10	34.460	27.236
750	5.08	34.471	27.247
800	4.67	34.510	27.324
850	4.46	34.535	27.367
900	4.43	34.536	27.372
950	4.40	34.560	27.393
1000	4.57	34.676	27.468
1377	4.51	34.946	27.668

BAL-STACS37-90 CTD 45 BALDRIGE
Date 10 01 90 Latitude 0.000N
Time 2004 Z Longitude 44.410W



Prs	Tem	Sal	SigT
0	26.93	36.234	23.673
10	26.95	36.321	23.730
20	26.95	36.325	23.735
30	26.91	36.325	23.747
40	26.86	36.326	23.765
50	26.84	36.341	23.782
60	26.84	36.363	23.798
70	26.85	36.379	23.808
80	26.85	36.387	23.813
90	26.85	36.391	23.816
100	26.85	36.393	23.817
110	26.85	36.394	23.817
120	26.84	36.394	23.821
130	26.45	36.382	23.937
140	24.32	36.336	24.559
150	19.90	36.202	25.708
160	19.23	36.144	25.838
170	18.40	36.060	25.986
180	17.11	35.866	26.156
190	16.66	35.782	26.157
200	16.78	35.782	26.167
210	16.40	35.720	26.209

BAL-STACS37-90 CTD 46 BALDRIGE
Date 10 03 90 Latitude 9.036N
Time 1948 Z Longitude 51.910W

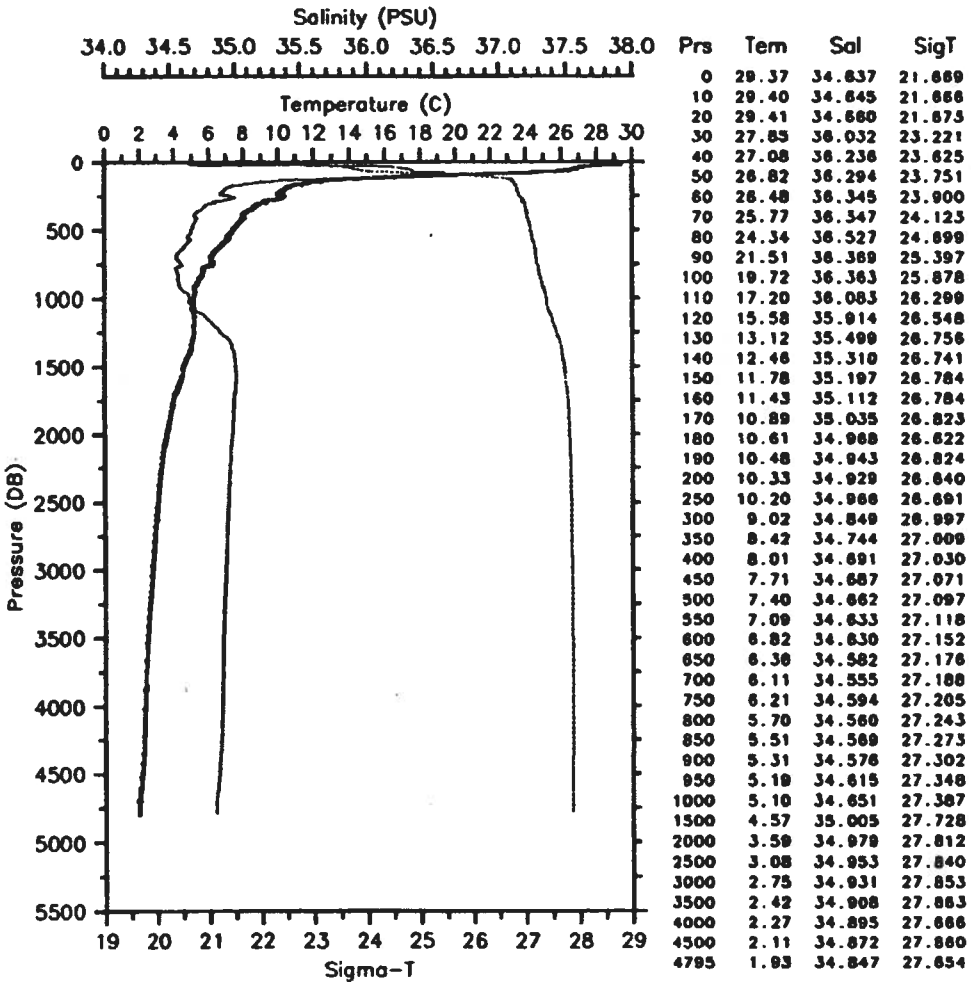


Prs	Tem	Sal	SigT
0	29.29	33.563	20.891
10	29.30	34.279	21.425
20	29.23	34.584	21.679
30	27.84	36.037	23.230
40	27.42	36.281	23.536
50	26.75	36.319	23.793
60	25.28	36.350	24.278
70	23.33	36.421	24.918
80	21.32	36.388	25.450
90	19.05	36.250	25.967
100	15.38	35.809	26.513
110	12.76	35.361	26.721
120	12.21	35.262	26.752
130	11.70	35.148	26.782
140	11.34	35.096	26.788
150	11.20	35.063	26.789
160	11.08	35.046	26.797
170	10.97	35.031	26.805
180	10.87	35.021	26.816
190	10.83	35.015	26.819
200	10.75	35.008	26.825
250	10.23	34.950	26.873
300	9.55	34.854	26.914
350	8.58	34.757	26.995
400	7.98	34.691	27.034
450	7.58	34.666	27.078
500	7.04	34.609	27.105
550	6.89	34.597	27.116
600	6.65	34.579	27.135
650	6.52	34.569	27.145
700	6.42	34.565	27.155
750	6.09	34.548	27.184
800	6.08	34.572	27.204
850	5.81	34.597	27.259
900	5.39	34.623	27.331
950	5.22	34.632	27.358
1000	5.14	34.658	27.388
1500	4.62	35.008	27.726
2000	3.56	34.979	27.815
2500	3.05	34.952	27.843
3000	2.73	34.930	27.854
3500	2.47	34.912	27.862
4000	2.29	34.898	27.866
4500	2.17	34.878	27.880
4797	1.75	34.824	27.851

BAL-STACS37-90 CTD 47 BALDRIGE

Date 10 04 90 Latitude 8.563N

Time 0357 Z Longitude 52.158W

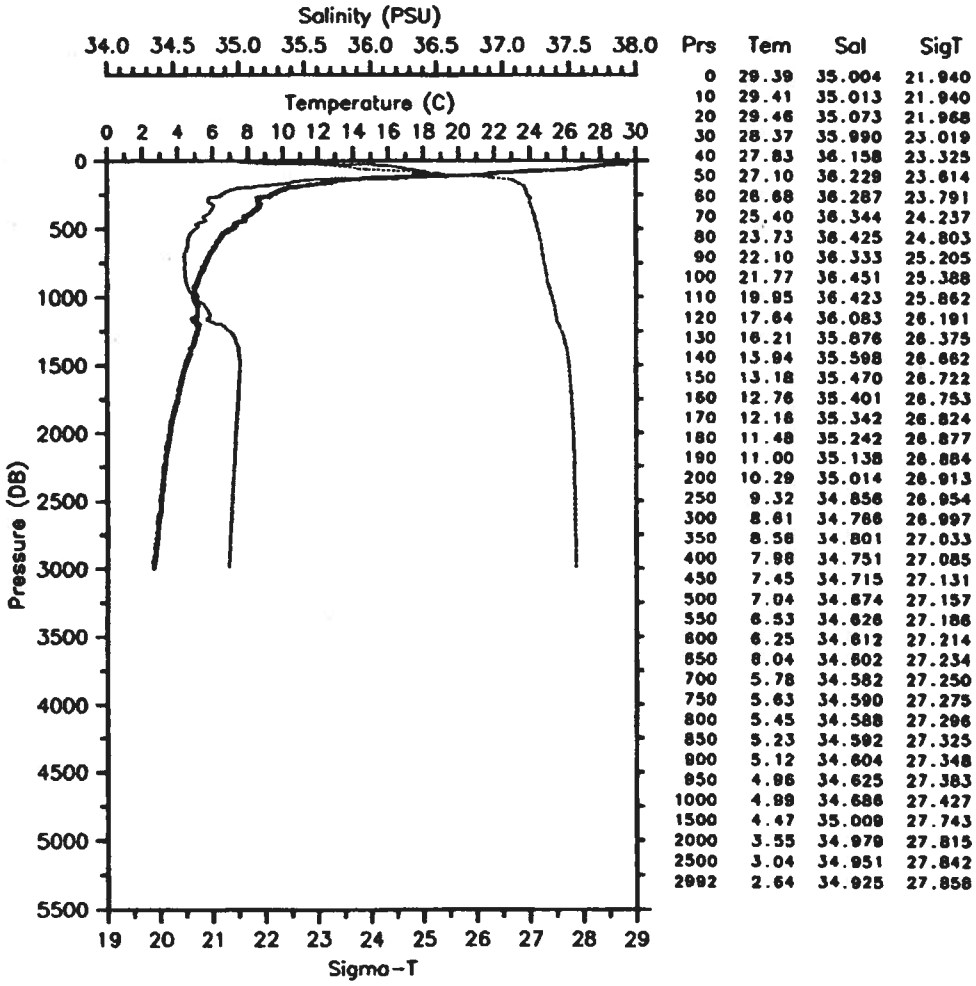


Prs	Tem	Sal	SigT
0	29.37	34.837	21.869
10	29.40	34.845	21.886
20	29.41	34.860	21.875
30	27.85	36.032	23.221
40	27.08	36.236	23.625
50	26.82	36.294	23.751
60	26.48	36.345	23.900
70	25.77	36.347	24.123
80	24.34	36.527	24.699
90	21.51	36.389	25.397
100	19.72	36.363	25.878
110	17.20	36.083	26.299
120	15.58	35.914	26.548
130	13.12	35.499	26.756
140	12.46	35.310	26.741
150	11.78	35.197	26.784
160	11.43	35.112	26.784
170	10.89	35.035	26.823
180	10.61	34.988	26.822
190	10.48	34.943	26.824
200	10.33	34.929	26.840
250	10.20	34.866	26.891
300	9.02	34.849	26.997
350	8.42	34.744	27.009
400	8.01	34.691	27.030
450	7.71	34.687	27.071
500	7.40	34.662	27.097
550	7.09	34.633	27.118
600	6.82	34.630	27.152
650	6.36	34.582	27.176
700	6.11	34.555	27.188
750	6.21	34.594	27.205
800	5.70	34.560	27.243
850	5.51	34.569	27.275
900	5.31	34.576	27.302
950	5.19	34.615	27.348
1000	5.10	34.651	27.387
1500	4.57	35.005	27.728
2000	3.59	34.979	27.812
2500	3.08	34.953	27.840
3000	2.75	34.931	27.853
3500	2.42	34.908	27.863
4000	2.27	34.895	27.868
4500	2.11	34.872	27.880
4795	1.93	34.847	27.894

BAL-STACS37-90 CTD 48 BALDRIGE

Date 10 04 90 Latitude 8.117N

Time 0902 Z Longitude 52.455W

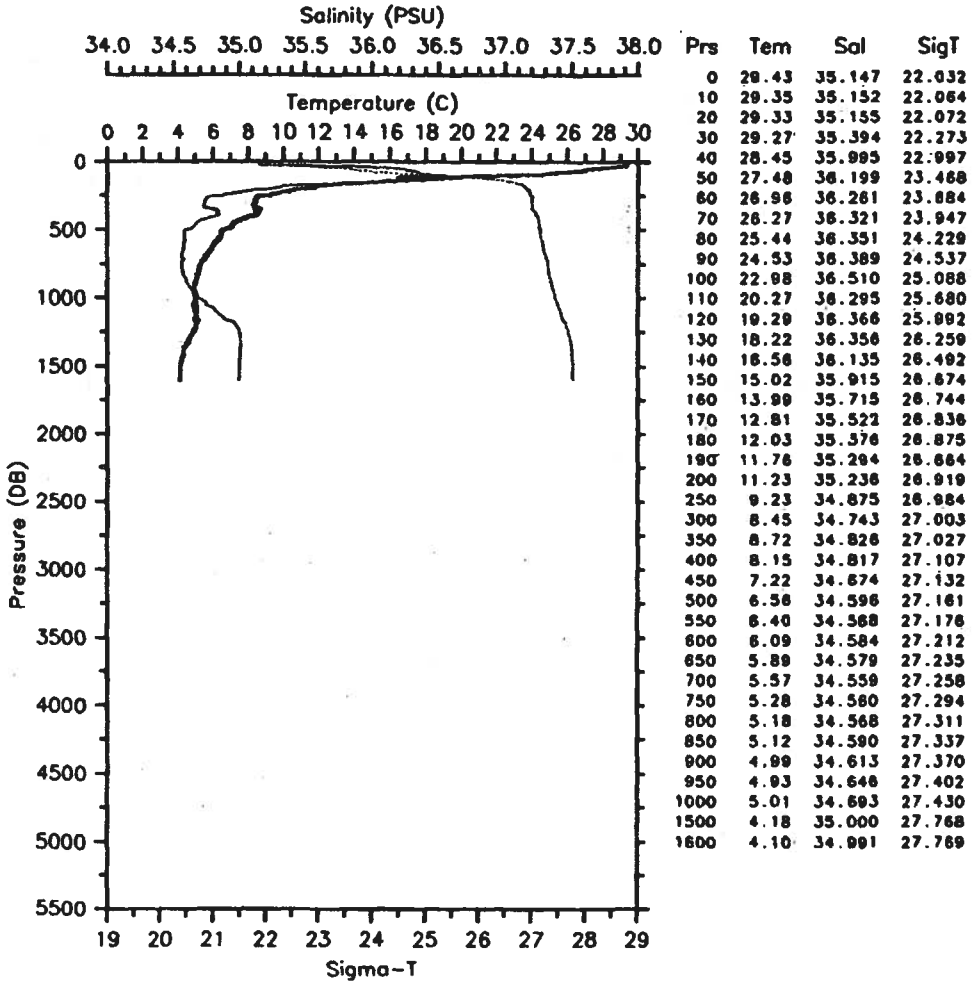


Prs	Tem	Sal	SigT
0	29.39	35.004	21.940
10	29.41	35.013	21.940
20	29.46	35.073	21.968
30	28.37	35.990	23.019
40	27.83	36.158	23.325
50	27.10	36.229	23.614
60	26.68	36.287	23.791
70	25.40	36.344	24.237
80	23.73	36.425	24.803
90	22.10	36.333	25.205
100	21.77	36.451	25.388
110	19.95	36.423	25.862
120	17.64	36.083	26.191
130	16.21	35.876	26.375
140	15.94	35.598	26.662
150	13.18	35.470	26.722
160	12.76	35.401	26.753
170	12.18	35.342	26.824
180	11.48	35.242	26.877
190	11.00	35.138	26.884
200	10.29	35.014	26.913
250	9.32	34.856	26.954
300	8.61	34.766	26.997
350	8.58	34.801	27.033
400	7.98	34.751	27.085
450	7.45	34.715	27.131
500	7.04	34.674	27.157
550	6.53	34.626	27.186
600	6.25	34.612	27.214
650	6.04	34.602	27.234
700	5.78	34.582	27.250
750	5.63	34.590	27.275
800	5.45	34.588	27.296
850	5.23	34.592	27.325
900	5.12	34.604	27.348
950	4.96	34.625	27.383
1000	4.89	34.686	27.427
1500	4.47	35.008	27.743
2000	3.55	34.979	27.815
2500	3.04	34.951	27.842
2992	2.64	34.925	27.858

BAL-STACS37-90 CTD 49 BALDRIGE

Date 10 04 90 Latitude 7.773N

Time 1358 Z Longitude 52.646W

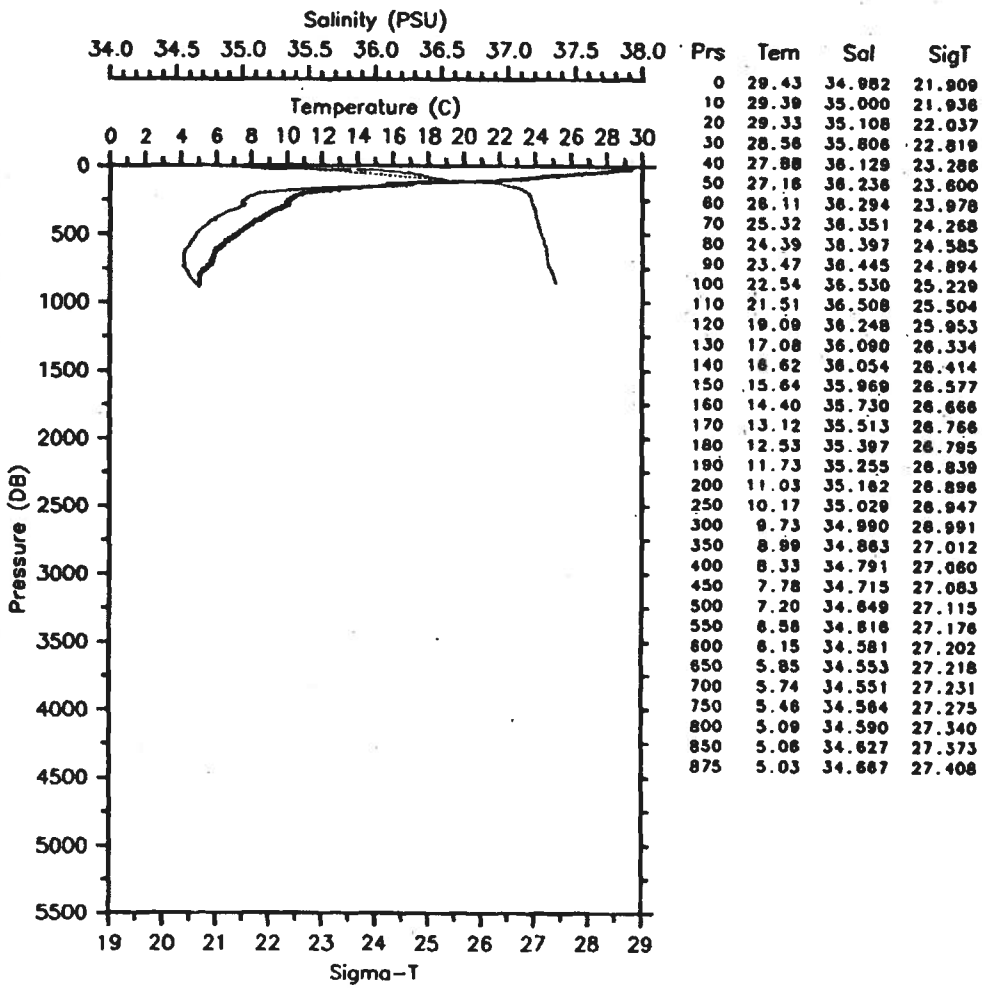


Prs	Tem	Sal	SigT
0	29.43	35.147	22.032
10	29.35	35.152	22.064
20	29.33	35.155	22.072
30	29.27	35.394	22.273
40	28.45	35.995	22.997
50	27.48	36.199	23.468
60	26.96	36.261	23.684
70	26.27	36.321	23.947
80	25.44	36.351	24.229
90	24.53	36.389	24.537
100	22.98	36.510	25.088
110	20.27	36.295	25.680
120	19.29	36.366	25.892
130	18.22	36.356	26.259
140	16.56	36.135	26.492
150	15.02	35.915	26.674
160	13.99	35.715	26.744
170	12.81	35.522	26.836
180	12.03	35.376	26.875
190	11.76	35.294	26.884
200	11.23	35.236	26.919
250	9.23	34.875	26.984
300	8.45	34.743	27.003
350	8.72	34.826	27.027
400	8.15	34.817	27.107
450	7.22	34.674	27.132
500	6.56	34.596	27.161
550	6.40	34.568	27.176
600	6.09	34.584	27.212
650	5.89	34.579	27.235
700	5.57	34.559	27.258
750	5.28	34.560	27.294
800	5.18	34.568	27.311
850	5.12	34.590	27.337
900	4.99	34.613	27.370
950	4.93	34.648	27.402
1000	5.01	34.693	27.430
1500	4.18	35.000	27.768
1600	4.10	34.991	27.769

BAL-STACS37-90 CTD 50 BALDRIGE

Date 10 04 90 Latitude 7.475N

Time 1807 Z Longitude 52.938W



Prs	Tem	Sal	SigT
0	29.43	34.982	21.909
10	29.39	35.000	21.936
20	29.33	35.108	22.037
30	28.56	35.806	22.819
40	27.88	36.129	23.286
50	27.16	36.236	23.600
60	26.11	36.294	23.978
70	25.32	36.351	24.268
80	24.39	36.397	24.585
90	23.47	36.445	24.894
100	22.54	36.530	25.229
110	21.51	36.508	25.504
120	19.09	36.248	25.953
130	17.08	36.090	26.334
140	16.62	36.054	26.414
150	15.64	35.969	26.577
160	14.40	35.730	26.666
170	13.12	35.513	26.766
180	12.53	35.397	26.795
190	11.73	35.255	26.839
200	11.03	35.162	26.896
250	10.17	35.029	26.947
300	9.73	34.990	26.991
350	8.99	34.863	27.012
400	8.33	34.791	27.060
450	7.78	34.715	27.083
500	7.20	34.649	27.115
550	6.58	34.618	27.176
600	6.15	34.581	27.202
650	5.85	34.553	27.218
700	5.74	34.551	27.231
750	5.46	34.564	27.275
800	5.09	34.590	27.340
850	5.06	34.627	27.373
875	5.03	34.667	27.408

APPENDIX B: XBT DATA

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

ISOTHERM DEPTHS (M)

R/V MT MITCHELL MM-STACS35-90

XBT NO.	1	2	3	4	5	6	7
YEAR	90	90	90	90	90	90	90
MONTH	1	1	1	1	1	1	1
DAY (GMT)	30	31	31	31	31	31	31
TIME (GMT)	1956	0749	1141	1405	1416	1631	2054
LAT (N)	14.25	13.00	12.68	12.38	12.38	12.05	11.73
LON (W)	60.90	59.00	59.60	59.87	59.87	60.06	60.30
SURF T (C)	26.4	26.2	26.6	26.6	26.5	26.6	25.9
28							
27							
26	61	91	93	75	74	72	
25	79	100	108	92	91	94	64
24	90	102	118	104	103	101	71
23	97	103	127	115	114	111	75
22	107	115	132	120	118	115	81
21	142	120	136	124	122	122	88
20	158	127	151	128	126	134	92
19	194	143	161	141	139	144	100
18	217	162	167	147	146	149	124
17	231	179	172	157	157	165	154
16	246	202	184	175	176	175	169
15	267	214	194	180	181	188	192
14	286	307	204	198	198	218	216
13	291	309	215		217	272	236
12	331	317	225		249	322	257
11	348	459	305		274	355	281
10	388	543	431		403	395	322
9	409	664	555		497	444	354
8		694	748		562	517	434
7		789	786		701	596	
6		862	884		789	766	

ISOTHERM DEPTHS (M)

R/V MT MITCHELL MM-STACS35-90

XBT NO.	8	9	10	11	12	13	14
YEAR	90	90	90	90	90	90	90
MONTH	2	2	2	2	2	2	2
DAY (GMT)	1	1	1	2	2	2	2
TIME (GMT)	0837	1444	2158	0413	0749	1121	1453
LAT (N)	10.52	9.70	8.73	7.85	7.78	7.72	7.65
LON (W)	59.58	58.70	57.72	56.75	56.08	55.43	54.78
SURF T (C)	26.2	26.2	26.5	26.6	26.2	26.3	26.6
28							
27							33
26	82	65	68	59	61	65	42
25	103	78	76	63	72	70	47
24	111	96	85	78	75	78	56
23	121	107	90	81	82	81	73
22	141	117	94	83	88	85	82
21	154	125	99	85	100	94	88
20	171	133	113	88	110	107	101
19	184	135	120	94	119	121	118
18	215	142	133	99	127	127	136
17	235	173	137	105	133	146	152
16	250	185	143	110	140	159	176
15	274	204	151	151	155	176	213
14	299	223	162	162	170	190	234
13	317	235	175	178	177	200	268
12	336	268	197	234	181	229	300
11	351	298	227	254	186	258	316
10	368	321	318	325	243	306	398
9	394	369	369	350	301	353	500
8				452	432	412	560
7				489	522	514	628
6				573	610	609	

ISOTHERM DEPTHS (M)

R/V MT MITCHELL MM-STACS35-90

XBT NO.	15	16	17	18	19	20	21
YEAR	90	90	90	90	90	90	90
MONTH	2	2	2	2	2	2	2
DAY (GMT)	2	3	4	5	5	6	6
TIME (GMT)	1820	2130	1022	1456	1645	1438	1712
LAT (N)	7.58	7.99	8.33	9.36	9.67	8.05	7.50
LON (W)	54.13	52.58	52.32	51.69	51.50	50.67	50.54
SURF T (C)	25.5	27.0	26.6	26.4	26.7	26.5	26.8
28							
27		69					
26		77	76	90	69	124	143
25	16	82	86	99	77	131	146
24	31	94	107	103	83	138	148
23	35	101	121	109	96	141	150
22	44	121	133	115	100	145	153
21	57	126	135	128	107	148	155
20	81	137	137	131	113	153	158
19	109	139	139	145	119	157	165
18	116	139	143	152	129	163	170
17	127	140	148	160	142	180	178
16	136	141	150	181	148	184	181
15	149	142	152	192	158	188	186
14	159	143	159	205	170	201	193
13	165	165	172	219	184	206	199
12	227	198	202	227	199	230	208
11	260	337	269	261	226	245	223
10		349	345	319	277	268	235
9		498	417	388	359	364	289
8		544	536	459	436	422	383
7		609	585	563	526	475	481
6		663	684	749	678	569	616

ISOTHERM DEPTHS (M)

R/V MT MITCHELL MM-STACS35-90

XBT NO.	22	23	24	25	26	27	28
YEAR	90	90	90	90	90	90	90
MONTH	2	2	2	2	2	2	2
DAY (GMT)	6	6	6	6	6	7	7
TIME (GMT)	0810	1035	1248	1438	1712	0139	0621
LAT (N)	9.50	8.97	8.47	8.05	7.50	6.85	6.43
LON (W)	51.10	50.92	50.74	50.67	50.54	50.58	50.85
SURF T (C)	26.7	26.5	26.9	26.5	26.8	27.0	27.0
28							
27							19
26	62	92	110	124	143	142	141
25	75	95	121	131	146	147	145
24	91	108	126	138	148	150	148
23	98	112	131	141	150	152	158
22	108	116	135	145	153	154	161
21	114	124	148	148	155	158	164
20	121	137	153	153	158	163	169
19	127	144	156	157	165	167	171
18	134	164	164	163	170	175	175
17	148	175	168	180	178	178	183
16	155	187	171	184	181	182	189
15	166	199	175	188	186	186	193
14	178	221	179	201	193	191	198
13	192	239	200	206	199	195	208
12	209		211	230	208	203	220
11	234		242	245	223	215	261
10	287		312	268	235	232	276
9	345		383	364	289	272	361
8	481		454	422	383	419	418
7	592		535	475	481	505	460
6	718			569	616	636	559

ISOTHERM DEPTHS (M)

R/V MT MITCHELL RM-STACS35-90

XBT NO.	29	30	31	32	33	34	35
YEAR	90	90	90	90	90	90	90
MONTH	2	2	2	2	2	2	2
DAY (GMT)	8	8	8	8	8	9	9
TIME (GMT)	0926	1230	1551	1853	2202	0650	1945
LAT (N)	5.52	5.20	4.84	4.52	4.20	4.18	4.68
LON (W)	50.90	50.46	49.99	49.59	49.15	48.53	47.94
SURF T (C)	27.1	27.4	27.5	27.1	27.2	27.0	27.1
28							
27	24	44	65	49	65	63	62
26	84	100	102	107	77	105	98
25	98	104	115	127	107	109	105
24	106	108	119	135	123	111	108
23	110	113	122	137	126	113	111
22	119	122	133	140	128	114	113
21	125	142	140	143	129	115	116
20	129	144	146	145	130	118	126
19	136	147	160	161	134	125	145
18	140	153	164	169	136	135	149
17	145	159	171	177	138	143	158
16	157	163	187	180	144	167	177
15	160	170	192	183	157	186	185
14	162	177	204	187	165	207	209
13	171	208	237	214	196	212	216
12	184	220	255	228	216	229	222
11	333	231	272	257	257	281	243
10		274	316	270	336	307	263
9		323	348	330	374	390	359
8			394	372	468	426	391
7			464	428	479	468	482
6			578	579	550	621	559

ISOTHERM DEPTHS (M)

R/V MT MITCHELL RM-STACS35-90

XBT NO.	36	37	38	39	40	41	42
YEAR	90	90	90	90	90	90	90
MONTH	2	2	2	2	2	2	2
DAY (GMT)	10	10	10	10	10	10	11
TIME (GMT)	0710	1028	1339	1649	2008	2328	0242
LAT (N)	4.30	3.72	3.17	2.62	2.05	1.47	0.92
LON (W)	47.15	46.79	46.44	46.07	45.70	45.34	44.95
SURF T (C)	27.0	26.9	27.0	27.2	27.2	27.1	27.4
28							
27	85			73	99	113	87
26	99	101	91	99	103	124	98
25	103	104	104	125	104	125	107
24	118	109	109	131	105	126	109
23	123	-121	121	136	106	129	110
22	133	128	126	140	107	132	112
21	136	136	129	142	109	133	118
20	143	140	145	144	111	134	119
19	153	146	157	147	120	136	121
18	163	157	165	169	124	138	122
17	169	164	167	183	126	143	125
16	181	168	175	212	146	148	131
15	201	183	181	216	171	166	137
14	209	191	199	223	180	179	151
13	213	196	214	232	184	196	160
12	224	202	225	246	211	205	164
11	265	226	240	258	226	231	176
10	294	260	260	289	280	321	270
9	311	345	311	359	343	396	335
8	441	429	397	447	385	437	417
7	507	512	566	502	419	515	512
6	596	618	639	562	497	565	569

ISOTHERM DEPTHS (M)

R/V MT MITCHELL RM-STACS35-90

XBT NO.	43	44	45	46	47	48	49
YEAR	90	90	90	90	90	90	90
MONTH	2	2	2	2	2	2	2
DAY (GMT)	11	11	12	12	12	12	13
TIME (GMT)	0546	1615	0446	0638	1843	2103	1202
LAT (N)	0.35	0.45	1.20	1.55	2.35	2.79	3.92
LON (W)	44.63	44.25	44.00	44.00	44.00	43.99	44.00
SURF T (C)	27.4	27.6	27.0	27.1	26.9	27.1	27.0
28							
27	80	63	93	28		50	
26	87	99	97	101	89	58	70
25	112	109	103	108	123	122	76
24	129	111	105	110	128	124	82
23	131	113	106	115	132	127	85
22	134	114	107	122	141	142	89
21	146	116	110	129	150	144	102
20	149	127	115	135	152	145	107
19	153	138	119	140	153	146	119
18	156	140	135	147	154	147	141
17	161	144	146	155	159	154	151
16	166	147	151	162	168	168	173
15	187	149	158	165	175	179	181
14	205	172	164	169	179	189	186
13	225	218	170	176	189	201	212
12	233	227	190	189	207	256	218
11	251	256	239	257	270	268	230
10	297	343	302	295	314	316	253
9	347	451	328	336	344	356	309
8	381	528	392	392	381	388	373
7	467	635	491	450	463	415	451
6	515		564	564	555	560	549

ISOTHERM DEPTHS (M)

R/V MT MITCHELL RM-STACS35-90

XBT NO.	50	51	52	53	54	55	56
YEAR	90	90	90	90	90	90	90
MONTH	2	2	2	2	2	2	2
DAY (GMT)	13	14	14	14	15	15	15
TIME (GMT)	1532	0547	0805	2250	0129	1650	1857
LAT (N)	4.58	5.72	6.20	7.23	8.33	8.33	8.33
LON (W)	44.00	44.00	44.00	44.00	44.00	44.47	44.93
SURF T (C)	27.0	26.9	26.8	27.0	27.0	26.7	27.0
28							
27	91						
26	106	105	115	106	102	86	91
25	109	109	119	113	108	89	95
24	116	112	124	116	114	94	97
23	119	116	132	118	116	99	100
22	123	119	134	123	117	103	106
21	136	122	136	129	119	107	112
20	138	125	137	131	122	111	117
19	141	129	139	133	127	120	123
18	146	134	144	140	134	127	127
17	152	136	147	144	141	134	131
16	160	138	152	149	145	143	135
15	168	140	158	154	150	147	140
14	171	144	161	165	155	152	151
13	183	150	164	176	163	161	161
12	191	165	174	192	174	176	174
11	219	210	198	219	209	193	195
10	260	246	225	268	276	244	243
9	316	299	267	348	385	336	320
8	385	371	407	479	499	461	420
7	549	483	506	607	598	585	538
6			682	710	724	695	623

ISOTHERM DEPTHS (M)

R/V MT MITCHELL MM-STACS35-90

XBT NO.	57	58	59	60	61	62	63
YEAR	90	90	90	90	90	90	90
MONTH	2	2	2	2	2	2	2
DAY (GMT)	15	16	16	16	16	16	16
TIME (GMT)	2136	0004	0950	1209	1425	1645	1850
LAT (N)	8.36	8.33	8.63	8.88	9.09	9.44	9.72
LON (W)	45.38	45.87	46.78	47.22	47.66	48.01	48.55
SURF T (C)	27.0	27.1	26.6	26.6	26.1	26.4	26.2
28							
27	78	50					
26	93	90	54	59	44	53	64
25	97	94	57	61	45	57	67
24	100	98	61	64	46	61	69
23	104	101	65	67	48	63	71
22	107	105	71	76	51	67	76
21	111	109	75	80	56	73	83
20	116	112	80	82	60	77	90
19	120	116	85	87	66	87	102
18	124	122	90	95	76	100	108
17	129	127	96	102	82	107	114
16	135	131	103	134	90	114	124
15	142	139	118	119	96	125	131
14	151	156	131	125	104	137	141
13	163	169	143	137	112	154	156
12	181	183	152	151	127	167	177
11	217	215	162	178	159	198	214
10	276	267	185	222	220	265	295
9	364	310	287	301	297	351	378
8	450	390	398	411	395	475	474
7	550	496	481	563	526	602	607
6	645	675	641	716	659	735	

ISOTHERM DEPTHS (M)

R/V MT MITCHELL MM-STACS35-90

XBT NO.	64	65	66	67	68	69	70
YEAR	90	90	90	90	90	90	90
MONTH	2	2	2	2	2	2	2
DAY (GMT)	17	17	17	17	17	17	18
TIME (GMT)	0438	0655	0904	1757	2020	2245	0933
LAT (N)	10.00	10.00	10.00	10.15	10.29	10.46	10.73
LON (W)	49.05	50.00	50.50	51.68	52.26	52.78	53.67
SURF T (C)	25.7	25.1	26.0	26.6	26.5	26.4	26.6
28							
27							
26				64	47	58	69
25	75	88	81	72	69	79	86
24	79	91	83	77	78	90	91
23	80	93	85	89	85	100	100
22	83	96	88	97	90	108	110
21	87	98	94	105	95	117	124
20	92	103	98	117	107	128	134
19	98	108	103	126	122	140	144
18	108	114	108	133	134	153	157
17	114	122	114	141	144	166	166
16	121	132	122	151	156	179	169
15	133	148	145	166	164	191	179
14	145	158	158	176	177	204	189
13	152	169	176	193	196	218	202
12	164	182	184	220	202	230	221
11	203	213	204	254	239	284	254
10	263	266	258	284	296	326	312
9	378	328	313	322	374	405	393
8	446	402	393	433	448	480	460
7	546	500	516	543	535	574	525
6	690	719	702	713	626	688	719

ISOTHERM DEPTHS (M)

R/V MT MITCHELL MM-STACS35-90

XBT NO.	71	72	73	74	75	76	77
YEAR	90	90	90	90	90	90	90
MONTH	2	2	2	2	2	2	2
DAY (GMT)	18	18	18	19	19	19	19
TIME (GMT)	1158	1205	1348	0106	0322	0527	0739
LAT (N)	10.89	10.89	11.01	11.40	11.65	11.90	12.15
LON (W)	54.17	54.17	54.57	55.60	56.05	56.50	56.93
SURF T (C)	26.4	26.3	26.2	26.3	26.3	26.2	25.9
28							
27							64
26	53	67	38	38	67	71	70
25	81	82	78	71	76	78	78
24	89	89	83	76	87	88	87
23	98	97	88	81	92	94	105
22	104	103	92	91	97	104	118
21	119	123	102	95	104	112	127
20	138	135	109	108	113	119	140
19	146	142	126	116	118	129	147
18	152	147	132	124	130	140	157
17	159	153	138	132	139	155	173
16	167	163	151	145	149	163	184
15	176	173	158	159	164	177	200
14	189	187	166	173	168	193	213
13	200	198	181	200	180	209	228
12		217	200	214	192	216	264
11		245	213	250	207	234	298
10		310	252	295	255	291	337
9		362	323	343	310	336	408
8		417	372	462	444	413	482
7		527	457	527	535	528	545
6		688	602	687	707	666	700

ISOTHERM DEPTHS (M)

R/V MT MITCHELL MM-STACS35-90

XBT NO.	78	79	80	81	82	83	84
YEAR	90	90	90	90	90	90	90
MONTH	2	2	2	2	2	2	2
DAY (GMT)	19	19	20	20	20	20	23
TIME (GMT)	1503	2005	0149	0406	0609	0813	1621
LAT (N)	12.72	13.11	13.59	13.82	14.05	14.27	14.87
LON (W)	57.93	58.60	59.54	60.00	60.47	60.89	61.51
SURF T (C)	26.0	26.3	25.8	26.1	25.7	26.1	26.3
28							
27							
26	81	84	83	87	111	95	89
25	92	95	89	107	132	119	127
24	104	104	92	123	148	129	138
23	117	121	97	133	157	138	145
22	130	134	115	143	168	157	155
21	139	150	129	160	174	162	163
20	148	159	155	168	180	169	174
19	161	175	162	178	195	175	195
18	178	197	167	196	208	180	214
17	192	207	181	234	216	189	242
16	207	227	208	253	231	197	264
15	221	249	229	259	247	212	279
14	240	273	263	266	251	224	299
13	265	297	287	272	258	229	325
12	287	343	320	285	268	238	363
11	314	390	362	298	284	256	398
10	363	445	433	319	303	328	418
9	429	493	472	381	341	358	454
8	492	546	538	421	388		499
7	630	629	580	516	468		613
6		686		618	561		

ISOTHERM DEPTHS (M)

R/V MT MITCHELL MR-STACS35-90

XBT NO.	85	86	87	88	89	90	91
YEAR	90	90	90	90	90	90	90
MONTH	2	2	2	2	2	2	2
DAY (GMT)	23	23	23	23	24	24	24
TIME (GMT)	1847	1943	2108	2324	0121	0354	0608
LAT (N)	15.18	12.37	15.50	15.92	16.13	16.43	16.75
LON (W)	61.93	0.00	62.33	62.73	63.13	63.54	63.94
SURF T (C)	26.0	25.8	25.7	25.6	25.7	25.7	25.5
28							
27							
26	19		82				
25	105	107	89	104	118	90	84
24	114	116	104	114	135	107	101
23	131	132	128	128	144	136	122
22	162	146	142	146	157	161	143
21	170	153	155	163	177	183	157
20	183	171	173	187	185	201	177
19	195	190	203	211	206	222	206
18	223		235	238	225	245	232
17	257		273	262	255	269	265
16	283		294	287	277	289	299
15	298		326	310	312	310	334
14	321		350	331	338	343	364
13	363		387	348	364	383	386
12	407		420	372	395	411	432
11				393	434		
10							
9							
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V MT MITCHELL MR-STACS35-90

XBT NO.	92	93	94	95	96	97	98
YEAR	90	90	90	90	90	90	90
MONTH	2	2	2	2	2	2	2
DAY (GMT)	24	24	24	24	24	24	25
TIME (GMT)	0856	1045	1310	1802	2012	2243	0056
LAT (N)	17.13	17.37	17.79	18.66	18.93	19.30	19.63
LON (W)	64.48	64.78	65.04	65.48	65.85	66.22	66.63
SURF T (C)	25.8	25.6	25.6	25.5	25.4	25.3	25.5
28							
27							
26						84	
25	105	103	112	85	102	106	107
24	123	111	137	109	116	126	135
23	137	131	156	125	136	155	154
22	153	147	169	144	151	167	170
21	170	173	187	161	171	188	185
20	185	198	211	181	186	210	199
19	208	223	230	197	212	237	229
18	235	244	259	255	271	280	277
17	267	273	295	307	310	313	327
16	300	313	321	350	357	347	361
15	339	352	350	392	400	395	396
14	381	381	386	441	431	424	441
13	417	426	432				
12							
11							
10							
9							
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V MT MITCHELL MR-STACS35-90

XBT NO.	99	100	101	102	103	104	105
YEAR	90	90	90	90	90	90	90
MONTH	2	2	2	2	2	2	2
DAY (GMT)	25	25	25	25	25	25	25
TIME (GMT)	0303	0607	0809	1048	1305	1518	1746
LAT (N)	20.20	20.30	20.56	20.90	21.49	21.29	21.90
LON (W)	67.08	67.07	67.96	68.33	69.34	69.21	69.64
SURF T (C)	25.4	25.5	25.4	25.3	25.2	25.4	25.4
28							
27							
26		99	94	85			
25	115	116	108	107	52	80	91
24	142	130	129	119	119	118	138
23	167	157	148	139	144	144	154
22	185	173	179	158	165	161	178
21	200	201	193	179	187	178	197
20	221	224	213	197	213	217	219
19	249	258	244	233	247	257	247
18	287	301	304	300	303	316	318
17	344	337	356	371	374	381	392
16	387	372	397	423	418	431	
15	417	421					
14							
13							
12							
11							
10							
9							
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V MT MITCHELL MR-STACS35-90

XBT NO.	106	107	108	109	110	111	112
YEAR	90	90	90	90	90	90	90
MONTH	2	2	2	2	2	2	2
DAY (GMT)	25	25	25	26	26	26	26
TIME (GMT)	1956	2159	2349	0227	0441	0659	0923
LAT (N)	22.24	22.50	22.83	23.12	23.42	23.74	24.01
LON (W)	70.07	70.40	70.83	71.28	71.72	72.10	72.60
SURF T (C)	25.8	25.6	25.6	25.2	25.2	25.0	24.4
28							
27							
26	91						
25	103	69	42	37	49	52	
24	122	124	113	119	120	107	56
23	140	153	158	159	156	128	108
22	160	169	176	182	176	151	156
21	187	194	192	203	193	167	183
20	212	213	217	230	209	200	216
19	244	266	260	267	253	245	263
18	337	361	358	360	348	349	376
17	415	436			438		
16							
15							
14							
13							
12							
11							
10							
9							
8							
7							
6							

ISOTHERM DEPTHS (m)

R/V MT MITCHELL RM-STAC535-90

XBT NO.	113	114
YEAR	90	90
MONTH	2	2
DAY (GMT)	26	26
TIME (GMT)	1144	1419
LAT (N)	24.33	24.65
LON (W)	73.00	73.42
SURF T (C)	24.6	24.8
28		
27		
26		
25		
24	107	159
23	145	196
22	183	207
21	196	218
20	212	241
19	248	278
18	376	382
17		
16		
15		
14		
13		
12		
11		
10		
9		
8		
7		
6		

ISOTHERM DEPTHS (M)

R/V M BALDRIGE MB-STACS36-90

XBT NO.	1	2	3	4	5	6	7
YEAR	90	90	90	90	90	90	90
MONTH	6	6	6	6	6	6	6
DAY (GMT)	15	16	17	18	19	20	21
TIME (GMT)	1748	1730	1702	1729	1711	1541	1721
LAT (N)	26.30	27.02	26.62	26.52	26.54	26.49	26.50
LON (W)	79.97	79.67	76.85	76.85	76.47	76.12	75.68
SURF T (C)	28.8	28.5	27.8	28.2	27.1	27.5	28.2
28	17	27		2			2
27	46	39	40	26	4	20	17
26	51	46	49	46	28	24	32
25	54	53	69	63	35	29	40
24	57	63	82	83	49	37	65
23	59	70	111	119	70	59	85
22	63	75	145	143	89	86	110
21	69	81	167	166	117	118	137
20	75	86	200	193	151	156	192
19	83	94	246	243	215	213	241
18	97	103	325	339	315	333	355
17	108	110	411	422	418	431	
16	115	120					
15	127	130					
14	134	146					
13	142	157					
12	152	171					
11	159	182					
10	172	208					
9	188						
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V M BALDRIGE MB-STACS36-90

XBT NO.	8	9	10	11	12	13	14
YEAR	90	90	90	90	90	90	90
MONTH	6	6	6	6	6	6	6
DAY (GMT)	22	23	24	24	24	25	25
TIME (GMT)	1710	1543	0517	1255	2313	0641	1457
LAT (N)	26.50	26.50	26.52	26.50	26.50	26.51	26.13
LON (W)	75.50	73.82	73.68	72.88	72.14	71.40	71.02
SURF T (C)	28.3	28.0	28.1	28.0	28.3	27.6	27.4
28	5	7	13	16	14		
27	11	24	27	28	30	25	21
26	31	30	35	40	36	34	31
25	40	36	41	46	44	41	42
24	57	48	59	58	69	54	56
23	85	84	80	94	89	79	80
22	109	112	124	131	116	106	101
21	132	157	150	148	140	149	133
20	181	197	178	194	174	174	174
19	237	264	231	253	232	211	236
18	339	331	333	364	346	353	353
17	441	439	426				
16							
15							
14							
13							
12							
11							
10							
9							
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V M BALDRIGE MB-STACS36-90

XBT NO.	15	16	17	18	19	20	21
YEAR	90	90	90	90	90	90	90
MONTH	6	6	6	6	6	6	6
DAY (GMT)	25	26	26	26	27	27	28
TIME (GMT)	2305	0749	1534	2255	0452	1734	1725
LAT (N)	25.38	24.84	24.47	24.26	24.25	24.26	25.50
LON (W)	71.00	71.36	72.12	72.88	73.51	74.09	75.13
SURF T (C)	27.9	27.9	28.1	28.2	28.0	27.8	28.1
28		19	13	15	22	30	9
27	18	28	24	26	35	37	28
26	23	35	31	34	49	54	30
25	37	47	46	47	66	67	32
24	52	67	68	78	94	102	36
23	67	95	95	119	123	139	46
22	86	119	119	149	143	158	63
21	118	151	146	173	169	174	87
20	154	186	184	196	196	202	131
19	214	238	233	255	243	241	194
18	338	347	338	358	357	346	324
17	423	441	435	428		429	426
16							
15							
14							
13							
12							
11							
10							
9							
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V M BALDRIGE MB-STACS36-90

XBT NO.	22	23	24	25	26	27	28
YEAR	90	90	90	90	90	90	90
MONTH	6	6	6	6	6	6	6
DAY (GMT)	29	30	30	30	30	30	30
TIME (GMT)	1325	0312	0438	0636	0735	0856	1041
LAT (N)	26.48	26.74	27.07	27.55	27.78	28.12	28.55
LON (W)	76.88	76.91	77.00	77.02	77.01	76.99	76.99
SURF T (C)	28.1	28.0	27.7	28.0	27.9	27.6	27.5
28	7						
27	43	27	14	25	15	21	13
26	52	35	26	38	34	26	39
25	69	51	36	58	47	39	49
24	94	69	52	74	66	78	71
23	117	89	73	90	90	117	88
22	139	111	94	113	115	141	105
21	164	143	123	142	144	169	126
20	203	187	164	175	180	204	164
19	266	241	221	244	240	268	232
18	362	342	355	345	377	366	352
17	428	431		442			429
16							
15							
14							
13							
12							
11							
10							
9							
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V M BALDRIGE MB-STACS36-90

XBT NO.	29	30	31	32	33	34	35
YEAR	90	90	90	90	90	90	90
MONTH	6	7	7	7	7	7	7
DAY (GMT)	30	1	2	3	3	3	3
TIME (GMT)	1138	1546	1555	0653	0859	1630	1820
LAT (N)	28.87	29.20	30.02	29.98	30.00	29.59	29.17
LON (W)	77.00	74.45	73.18	72.05	71.48	71.00	71.00
SURF T (C)	27.1	27.3	26.3	26.6	26.9	26.9	27.0
28							
27	5	11					16
26	39	35	31	21	20	26	20
25	45	41	39	24	34	34	30
24	58	57	54	36	46	48	47
23	68	74	90	43	71	64	66
22	81	91	120	55	95	90	83
21	102	109	154	79	120	119	111
20	138	149	197	120	159	152	153
19	209	251	245	182	228	215	227
18	321	373	381	323	356	367	357
17	417						
16							
15							
14							
13							
12							
11							
10							
9							
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V M BALDRIGE MB-STACS36-90

XBT NO.	36	37	38	39	40	41	42
YEAR	90	90	90	90	90	90	90
MONTH	7	7	7	7	7	7	7
DAY (GMT)	3	4	4	4	5	6	6
TIME (GMT)	2008	0408	0543	1826	1355	0340	0953
LAT (N)	28.75	27.90	27.57	27.70	28.88	29.39	28.82
LON (W)	70.99	71.17	71.32	71.94	72.90	73.50	73.70
SURF T (C)	27.4	27.6	27.8	27.9	27.6	27.6	27.2
28							
27	19	28	25	30	24	23	24
26	23	36	32	33	27	29	34
25	35	43	47	41	30	37	44
24	47	59	65	52	36	54	57
23	68	90	88	68	45	73	77
22	91	117	119	86	59	93	102
21	133	175	152	115	78	117	128
20	171	206	188	154	105	156	178
19	242	255	249	214	168	218	244
18	367	382	372	336	301	344	356
17					424		
16							
15							
14							
13							
12							
11							
10							
9							
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V M BALDRIGE MB-STACS36-90

XBT NO.	43	44	45	46	47	48	49
YEAR	90	90	90	90	90	90	90
MONTH	7	7	7	7	7	7	7
DAY (GMT)	6	6	6	6	7	7	7
TIME (GMT)	1624	1801	1945	2128	0346	1034	1229
LAT (N)	28.09	27.71	27.32	26.92	26.28	26.31	26.61
LON (W)	74.03	74.21	74.41	74.57	74.88	74.70	74.28
SURF T (C)	28.0	27.8	28.3	27.9	28.5	28.4	28.1
28	4		14		34	30	23
27	27	25	28	26	48	44	36
26	35	31	32	38	68	61	49
25	51	52	51	55	88	87	68
24	97	105	98	91	101	106	88
23	143	156	154	148	133	134	125
22	171	180	184	178	153	151	153
21	191	206	210	209	184	181	187
20	227	246	253	247	216	215	233
19	293	309	315	310	268	274	282
18	415	435	433	431	382	373	385
17							
16							
15							
14							
13							
12							
11							
10							
9							
8							
7							
6							

ISOTHERM DEPTHS (m)

R/V M BALDRIGE MB-STACS36-90

XBT NO.	50	51	52	53
YEAR	90	90	90	90
MONTH	7	7	7	7
DAY (GMT)	8	8	9	10
TIME (GMT)	1555	2143	1555	1557
LAT (N)	27.83	27.86	27.48	27.00
LON (W)	75.42	75.96	78.99	79.28
SURF T (C)	28.0	28.3	29.0	29.0
28	0	9	39	31
27	21	32	54	59
26	25	39	65	90
25	38	56	86	121
24	111	111	112	140
23	184	164	135	153
22	220	198	152	163
21	241	232	163	180
20	272	267	189	201
19	327	326	234	234
18				299
17				350
16				386
15				427
14				
13				
12				
11				
10				
9				
8				
7				
6				

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	1	2	3	4	5	6	7
YEAR	90	90	90	90	90	90	90
MONTH	9	9	9	9	9	9	9
DAY (GMT)	7	7	8	9	10	11	12
TIME (GMT)	1754	1759	1755	1741	1748	1751	1752
LAT (N)	26.01	26.02	26.42	26.47	26.48	22.77	18.59
LON (W)	79.47	79.45	76.63	75.93	73.26	69.97	67.52
SURF T (C)	29.7	29.9	29.4	29.3	29.1	29.9	29.7
28	122	71	46	42	32	56	56
27	137	87	54	53	36	62	70
26	155	109	62	63	43	73	86
25	171	124	74	73	57	88	100
24	195	136	94	92	71	114	125
23	224	155	119	113	92	136	142
22	266	170	143	134	111	155	173
21	294	190	169	169	142	177	202
20	323	208	207	197	171	205	226
19	378	235	250	266	220	251	262
18	408	267	361	372	350	341	300
17		298				417	330
16		324					394
15		371					419
14		398					438
13		415					
12		436					
11							
10							
9							
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	8	9	10	11	12	13	14
YEAR	90	90	90	90	90	90	90
MONTH	9	9	9	9	9	9	9
DAY (GMT)	13	14	17	17	17	17	17
TIME (GMT)	1747	0601	0236	1406	1523	1649	1818
LAT (N)	16.60	15.14	14.23	12.79	12.80	12.60	12.38
LON (W)	63.18	61.71	61.11	59.53	59.25	59.00	58.75
SURF T (C)	29.4	29.2	29.0	29.2	29.3	29.5	29.5
28	51	55	50	45	36	40	38
27	60	67	57	53	47	54	48
26	70	81	72	68	72	66	71
25	86	101	85	90	96	93	91
24	128	117	104	109	121	114	112
23	156	125	116	128	129	128	129
22	170	139	128	145	145	136	141
21	180	158	138	157	156	147	148
20	196	171	142	172	164	160	164
19	215	185	159	183	176	170	177
18	244	195	169	197	193	182	189
17	287	216	179	210	207	204	203
16	312	242	186	224	226	226	230
15	354	269	214	236	251	243	268
14	382	291	238	250	274	260	285
13	397	316	274	263	294	279	303
12	430	337	292	281	316	309	318
11		389	372	305	335	346	340
10				326	373	394	384
9				390	443	455	426
8						490	
7						614	
6						714	

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	15	16	17	18	19	20	21
YEAR	90	90	90	90	90	90	90
MONTH	9	9	9	9	9	9	9
DAY (GMT)	17	17	18	18	18	18	18
TIME (GMT)	1956	2003	0009	0127	0146	0151	0304
LAT (N)	12.18	12.18	11.94	11.73	11.73	11.73	11.52
LON (W)	58.50	58.50	58.25	58.00	58.00	58.00	57.75
SURF T (C)	29.3	29.4	29.1	29.3	29.3	29.4	29.3
28	54	52	45	38	34	40	37
27	59	59	61	49	44	49	56
26	67	70	72	68	68	82	69
25	91	86	90	89	88	97	91
24	105	104	98	100	100	105	99
23	123	123	111	117	113	120	108
22	137	137	126	129	127	132	113
21	150	153	148	139	136	141	124
20	163	160	159	155	153	147	134
19	181	186	173	161	165	165	149
18	200	202	188	176	179	182	170
17	213	216	207	194	198	201	191
16	225	234	225	213	212	221	209
15	244	258	242	232	233	237	226
14	287	296	253	250	259	260	249
13	317	323	284	282	278	281	266
12	338	350	316	314	305	308	287
11	364	374	364	359	344	351	310
10	402	407	406	390	356	365	339
9	451	450		434	421	427	401
8	481	482				508	
7		566				598	
6		700				724	

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	22	23	24	25	26	27	28
YEAR	90	90	90	90	90	90	90
MONTH	9	9	9	9	9	9	9
DAY (GMT)	18	18	18	18	18	18	18
TIME (GMT)	0423	0605	1025	1120	1231	1405	1532
LAT (N)	11.30	11.07	10.82	10.68	10.48	10.28	10.05
LON (W)	57.50	57.22	56.94	56.78	56.53	56.28	56.02
SURF T (C)	29.6	29.5	29.0	29.2	29.4	29.2	29.1
28	36	44	44	45	44	34	24
27	54	56	56	60	55	54	45
26	69	64	70	66	64	69	60
25	83	73	76	74	78	76	69
24	88	81	83	81	81	81	79
23	97	91	86	86	88	84	86
22	109	99	90	94	96	87	103
21	114	104	98	97	100	91	110
20	121	111	111	103	120	103	132
19	131	141	126	113	138	124	142
18	143	145	136	123	147	169	156
17	153	153	145	143	156	176	171
16	167	172	155	156	174	182	178
15	187	186	164	164	180	193	189
14	210	197	179	176	188	205	203
13	239	217	195	192	196	220	223
12	272	230	211	206	214	229	248
11	307	260	236	225	244	262	282
10	350	295	262	255	293	318	319
9	383	339	353	348	364	395	374
8	437	394	415	414	460		465
7	523				572		564
6	662				721		699

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	29	30	31	32	33	34	35
YEAR	90	90	90	90	90	90	90
MONTH	9	9	9	9	9	9	9
DAY (GMT)	18	18	19	19	19	19	19
TIME (GMT)	1904	2115	0145	0346	1330	1648	2000
LAT (N)	9.85	10.24	10.54	10.87	11.19	11.00	10.82
LON (W)	55.80	55.63	55.51	55.32	55.24	54.55	53.87
SURF T (C)	29.3	29.2	29.3	28.8	29.1	29.6	29.6
28	17	22	39	52	50	44	25
27	47	60	59	64	69	61	54
26	67	76	71	78	77	75	72
25	76	84	81	88	87	86	85
24	88	93	90	96	92	94	97
23	94	101	96	103	96	107	101
22	104	109	103	108	103	120	107
21	111	119	109	115	109	127	134
20	124	129	114	121	118	135	140
19	140	139	132	130	125	153	147
18	148	156	149	137	132	164	158
17	159	169	170	152	150	172	172
16	182	183	182	167	166	183	190
15	196	194	196	175	177	196	209
14	207	206	213	189	195	205	233
13	233	220	231	206	208	222	249
12	258	230	259	221	217	246	271
11	280	262	287	259	236	273	318
10	323	321	321	305	301	327	360
9	383	422	390	399	367	411	418
8		520		472	433	481	475
7		614		619		553	531
6						693	678

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	36	37	38	39	40	41	42
YEAR	90	90	90	90	90	90	90
MONTH	9	9	9	9	9	9	9
DAY (GMT)	20	20	20	20	20	21	21
TIME (GMT)	0357	0915	1637	1939	2232	0838	1005
LAT (N)	10.64	10.48	10.33	10.23	10.10	10.01	9.70
LON (W)	53.22	52.13	51.11	50.45	49.76	49.03	49.14
SURF T (C)	29.4	29.2	29.1	29.5	29.4	29.3	29.4
28	43	37	38	39	39	35	40
27	62	59	55	46	44	43	46
26	77	67	64	51	49	50	55
25	92	79	71	56	58	61	65
24	108	88	77	70	66	68	69
23	114	99	83	78	71	78	75
22	128	103	86	86	79	84	80
21	133	109	92	91	89	88	86
20	139	117	100	96	99	92	96
19	147	122	107	101	104	101	102
18	161	134	121	107	108	111	108
17	177	145	126	111	110	118	114
16	191	153	130	116	114	122	119
15	202	158	140	122	128	128	131
14	213	165	150	129	142	139	139
13	227	181	165	153	164	149	150
12	248	198	182	174	192	167	161
11	291	239	218	215	218	193	187
10	326	351	276	293	256	247	259
9	394	402	354	389	360	315	335
8		480		483	467	392	416
7		589		577	603		536
6				710	709		682

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	43	44	45	46	47	48	49
YEAR	90	90	90	90	90	90	90
MONTH	9	9	9	9	9	9	9
DAY (GMT)	21	21	22	22	22	22	22
TIME (GMT)	1158	1322	0205	0347	0504	0657	0953
LAT (N)	9.38	9.07	8.79	8.45	8.14	7.84	7.53
LON (W)	49.26	49.38	49.46	49.61	49.72	49.82	49.96
SURF T (C)	29.2	29.7	29.8	29.5	29.5	29.0	28.3
28	41	37	39	37	24	45	45
27	53	52	58	64	74	97	99
26	59	76	71	86	98	117	123
25	67	82	81	109	107	121	127
24	71	86	89	114	117	128	134
23	79	94	93	116	124	133	139
22	83	99	98	120	127	137	143
21	87	109	116	125	132	143	148
20	100	122	121	135	142	150	155
19	104	129	123	144	146	152	162
18	109	139	130	148	151	156	170
17	117	144	141	156	156	164	174
16	122	149	149	171	168	172	175
15	132	157	157	184	176	190	176
14	142	167	167	196	179	198	178
13	151	183	181	204	183	207	187
12	167	205	198	213	195	216	206
11	199	229	235	223	216	231	263
10	271	290	286	282	265	266	284
9	351	372	365	335	312	292	361
8	450	497		438	362	343	399
7	520	578		500	441	402	435
6	668	681		589	562	522	575

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	50	51	52	53	54	55	56
YEAR	90	90	90	90	90	90	90
MONTH	9	9	9	9	9	9	9
DAY (GMT)	22	22	22	22	23	23	23
TIME (GMT)	1515	2105	2232	2301	0533	0709	1349
LAT (N)	7.30	7.13	6.94	6.85	6.73	6.47	6.22
LON (W)	50.13	50.32	50.47	50.52	50.67	50.83	51.06
SURF T (C)	28.7	28.6	28.4	28.5	27.9	27.8	28.2
28	49	48	56	61	35	44	5
27	102	90	98	92	74	74	65
26	111	101	105	101	81	81	81
25	125	106	111	108	99	95	87
24	131	108	113	111	103	100	93
23	136	110	114	113	108	110	102
22	141	121	117	114	115	118	107
21	144	129	124	127	126	129	116
20	149	138	151	147	134	139	122
19	163	142	155	150	137	142	125
18	169	145	157	151	140	145	129
17	171	147	158	153	142	148	132
16	173	148	159	154	147	157	134
15	174	149	160	155	158	162	140
14	176	152	167	169	166	164	143
13	182	172	187	185	177	177	150
12	220	208	219	222	202	211	175
11	245	226	246	258	245	252	216
10	264	247	268	283	269	261	274
9	327	291	293	316	293	300	312
8	381	380	379	386	354	422	407
7	455		533	573		557	
6	587		615	642		650	

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STAC537-90

XBT NO.	57	58	59	60	61	62	63
YEAR	90	90	90	90	90	90	90
MONTH	9	9	9	9	9	9	9
DAY (GMT)	23	23	23	23	23	24	24
TIME (GMT)	1433	1901	1955	2147	2314	0024	0244
LAT (N)	6.16	6.10	5.96	5.80	5.56	5.38	5.05
LON (W)	51.17	51.27	51.26	51.26	51.25	51.10	50.75
SURF T (C)	28.9	28.4	28.7	28.5	28.4	28.9	28.6
28	9	7	10	7	6	7	10
27	59	60	68	52	51	59	58
26	83	87	77	75	61	68	73
25	88	89	80	80	70	72	92
24	94	92	85	83	74	77	94
23	98	97	90	90	82	81	95
22	100	100	96	100	92	84	97
21	103	110	113	109		98	
20	109	127	121	113			
19	115	135	124	119			
18	125	139	129	125			
17	132	144	140	141			
16	143	147	161	161			
15	149	156	185	190			
14	152	193	215	223			
13	158	217	230	241			
12	188	226	241	277			
11	234	245	274	291			
10	271	267	308	304			
9	316	329	342	328			
8	442		429	396			
7	510		506				
6	619						

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STAC537-90

XBT NO.	64	65	66	67	68	69	70
YEAR	90	90	90	90	90	90	90
MONTH	9	9	9	9	9	9	9
DAY (GMT)	24	24	24	25	25	25	25
TIME (GMT)	0549	0834	1325	0354	0531	1158	1320
LAT (N)	4.68	4.30	3.87	3.97	4.22	4.54	4.66
LON (W)	50.32	49.90	49.12	48.74	48.53	48.36	48.09
SURF T (C)	27.7	27.3	27.6	28.1	28.2	28.3	28.5
28				6	23	46	72
27	73	72	86	104	100	107	112
26	79	103	130	131	133	122	125
25	94	107	150	154	161	140	153
24			154	158	173	164	162
23			157	160	174	170	178
22			160	161	175	175	180
21			162	162	176	182	183
20			163	162	177	186	195
19			163	163	177	189	202
18			164	164	178	191	204
17			165	165	178	193	206
16			166	166	179	196	211
15				167	180	200	215
14				168	181	202	218
13				170	183	205	224
12				176	191	212	229
11				190	214	241	266
10				267	287	279	313
9				340	348	353	332
8				426	391	383	426
7					491		493
6					619		591

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STAC537-90

XBT NO.	71	72	73	74	75	76	77
YEAR	90	90	90	90	90	90	90
MONTH	9	9	9	9	9	9	9
DAY (GMT)	25	25	25	25	25	26	26
TIME (GMT)	1441	2045	2150	2309	2316	0934	1056
LAT (N)	4.80	4.91	5.02	5.18	5.18	5.33	5.64
LON (W)	47.83	47.53	47.32	47.06	47.06	46.81	46.70
SURF T (C)	28.8	29.0	29.1	28.9	28.9	28.9	29.0
28	55	58	67	59	51	34	18
27	109	104	112	94	89	77	50
26	135	129	135	115	108	95	83
25	149	139	144	129	118	121	106
24	162	150	157	137	130	134	117
23	167	161	163	141	134	138	128
22	172	165	165	145	138	141	134
21	179	169	167	149	141	143	136
20	182	173	169	152	145	146	137
19	188	176	172	155	148	148	140
18	192	183	177	164	158	151	145
17	200	187	183	171	165	157	149
16	205	190	191	175	170	161	153
15	207	193	194	177	173	166	157
14	210	196	197	183	177	168	163
13	217	201	206	188	183	172	168
12	227	221	221	196	191	179	172
11	276	258	240	222	219	195	194
10	304	277	268	253	253	219	221
9	342	320	308	304	309	268	256
8	423	375	394		412	380	349
7	513		494		496		
6	607		612		599		

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STAC537-90

XBT NO.	78	79	80	81	82	83	84
YEAR	90	90	90	90	90	90	90
MONTH	9	9	9	9	9	9	9
DAY (GMT)	26	26	26	27	27	27	27
TIME (GMT)	1241	1416	2236	0037	0043	0237	0423
LAT (N)	5.98	6.32	6.70	7.10	7.10	7.52	7.94
LON (W)	46.58	46.46	46.32	46.33	46.33	46.33	46.33
SURF T (C)	29.8	30.1	30.4	29.8	30.1	30.7	30.3
28	40	38	37	36	30	39	39
27	59	48	48	49	47	52	50
26	77	74	63	54	53	59	58
25	86	81	74	61	57	64	63
24	91	89	83	70	63	67	67
23	97	99	89	77	71	70	69
22	103	108	97	89	76	73	74
21	108	111	99	97	82	81	80
20	112	112	106	100	91	85	84
19	114	114	111	106	94	89	90
18	115	117	114		97	97	96
17	118	124	119		101	102	100
16	123	133	122		105	110	106
15	132	139	130		117	119	110
14	141	143	143		128	130	117
13	146	151	149		138	136	126
12	156	159	162		153	146	135
11	187	182	192		171	163	158
10	211	214	254		208	202	208
9	254	298	329		301	277	273
8	380	379	405		363	371	366
7	501				475		510
6	598				603		677

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	85	86	87	88	89	90	91
YEAR	90	90	90	90	90	90	90
MONTH	9	9	9	9	9	9	9
DAY (GMT)	27	27	27	27	27	27	28
TIME (GMT)	1129	1415	1635	1913	1913	1920	0328
LAT (N)	8.37	8.35	8.32	8.31	8.31	8.31	8.29
LON (W)	46.33	45.73	45.13	44.56	44.56	44.56	43.94
SURF T (C)	29.9	29.4	29.7	29.7	29.7	29.9	29.8
28	35	43	49	54	54	48	38
27	44	52	59	69	69	60	46
26	53	56	65	75	75	67	53
25	59	61	68	80	80	73	59
24	62	65	75	83	83	78	62
23	65	70	79	89	89	84	67
22	69	79	86	95	95	89	70
21	74	86	92	103	103	98	81
20	81	90	96	107	107	100	100
19	87	95	100	111	111	103	109
18	92	100	104	118	118	107	114
17	95	103	119	128		111	120
16	98	110	129			124	125
15	103	122	142			131	130
14	107	133	150			136	136
13	114	150	166			154	145
12	130	170	186			172	167
11	186	214	230			201	184
10	229	268	306			248	263
9	316	362	381			312	374
8	396	487				462	
7		629				580	
6						694	

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	92	93	94	95	96	97	98
YEAR	90	90	90	90	90	90	90
MONTH	9	9	9	9	9	9	9
DAY (GMT)	28	28	28	28	28	28	28
TIME (GMT)	0456	0515	0653	0845	1536	1726	2243
LAT (N)	7.88	7.88	7.51	7.08	6.66	6.30	5.98
LON (W)	43.97	43.97	43.99	44.03	44.06	44.03	44.03
SURF T (C)	29.3	28.9	29.3	28.8	29.2	29.2	29.3
28	59	51	46	47	45	49	54
27	77	73	53	60	53	59	61
26	83	78	59	64	60	63	66
25	88	83	64	69	63	69	72
24	91	88	68	74	69	73	76
23	96	92	76	77	73	78	79
22	104	99	81	81	77	84	86
21	108	104	87	87	86	88	90
20	117	110	92	92	90	91	97
19	125	123	97	97	95	94	101
18	130	129	103	103	101	100	105
17	133	135	111	110	107	106	108
16	138	142	120	119	112	110	111
15	148	148	126	127	120	113	119
14	160	157	135	138	132	123	130
13	171	168	148	149	144	135	147
12	186	187	168	162	162	151	159
11	207	210	186	182	195	176	181
10		251	241	226	237	225	234
9		338	328	306	319	313	306
8		454		426	427	400	
7		586		522		512	
6		700		663		618	

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	99	100	101	102	103	104	105
YEAR	90	90	90	90	90	90	90
MONTH	9	9	9	9	9	9	9
DAY (GMT)	29	29	29	29	30	30	30
TIME (GMT)	0035	0041	0603	1506	0233	0442	1154
LAT (N)	5.55	5.53	5.26	4.75	4.22	3.78	3.30
LON (W)	44.02	44.02	43.99	44.01	44.01	43.99	43.98
SURF T (C)	28.9	28.8	29.0	28.2	27.5	27.5	27.6
28	48	47	27	20			
27	57	55	40	59	98	96	99
26	67	66	57	75	106	101	109
25	79	79	73	93	115	105	111
24	88	85	82	112	123	107	116
23	91	90	87	116	127	111	124
22	95	93	95	120	129	113	127
21	101	97	102	123	132	116	130
20	107	104	106	130	134	129	134
19	111	110	108	133	150	146	140
18	115	113	110	135	153	149	145
17	117	120	116	138	156	152	159
16	121	124	124	144	161	160	166
15	125	129	129	150	165	163	169
14	133	139	136	154	189	171	174
13	139	147	150	159	215	200	204
12	156	161	167	169	234	244	238
11	175	181	182	194	243	341	363
10	225	227	222	231	329	350	378
9	284	285	272	305	385	389	408
8	333	391	376	362		465	
7		489		479		545	
6		597		581		649	

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	106	107	108	109	110	111	112
YEAR	90	90	90	90	90	90	90
MONTH	9	9	9	10	10	10	10
DAY (GMT)	30	30	30	1	1	1	1
TIME (GMT)	1405	1416	1617	0006	0136	0320	0333
LAT (N)	2.85	2.85	2.40	1.95	1.63	1.23	1.23
LON (W)	44.00	44.00	44.02	44.02	44.06	44.07	44.07
SURF T (C)	27.6	27.7	27.7	27.3	27.2	27.3	27.0
28							
27	82	80	66	65	66	86	82
26	108	101	100	120	98	104	102
25	115	114	111	126	138	145	144
24	123	122	121	132	140	147	146
23	125	124	125	135	142	148	147
22	128	125	129	137	144	149	148
21	153	128	136	144	146	150	149
20	158	137	140	151	153	153	152
19	165	152	148	164	158	156	156
18	179	159	157	175	172	175	178
17	186	168	162	179	185	190	192
16	194	181	176	189	193	199	199
15		188	189	195	199	210	213
14		196	205	205	212	233	242
13		235	234	223	237	263	262
12		290	274	258	258	331	273
11		363	321	328	292	337	334
10		389	364	401	370	373	341
9		438	446		421	471	424
8		476	490		501		539
7		558	539		523		623
6		639	576		576		

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	113	114	115	116	117	118	119
YEAR	90	90	90	90	90	90	90
MONTH	10	10	10	10	10	10	10
DAY (GMT)	1	1	1	1	1	1	1
TIME (GMT)	1021	1046	1403	1450	1837	1923	2018
LAT (N)	0.82	0.68	0.50	0.32	0.13	0.07	0.00
LON (W)	44.08	44.15	44.22	44.29	44.37	44.42	44.42
SURF T (C)	27.2	27.3	27.1	27.2	27.1	27.1	27.1
28							
27	86	77	73	73	70	30	113
26	114	110	112	108	95	112	131
25	118	112	114	110	97	114	133
24	133	116	115	114	99	116	134
23	145	137	116	116	100	119	135
22	148	147	120	117	102	128	136
21	150	150	139	119	105	131	137
20	153	152	146	132	109	133	144
19	159	155	153	159	133	149	157
18	165	159	163	162	149	175	167
17	180	177	187	191	194	207	187
16	187	185	196	205	204	214	215
15	208	204	214	212	242	236	236
14	235	231	236	256	254	246	246
13	255	255	285	281	267		
12	315	298	300	322	301		
11	322	308	324	344	316		
10	348	334	343	352	340		
9	356	350	362	373	358		
8	393	373	382	402	378		
7		453		480			
6		564		599			

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	120	121	122	123	124	125	126
YEAR	90	90	90	90	90	90	90
MONTH	10	10	10	10	10	10	10
DAY (GMT)	1	2	2	2	2	2	2
TIME (GMT)	2254	0136	0420	0726	1012	1256	1306
LAT (N)	0.49	0.85	1.56	2.16	2.67	3.20	3.20
LON (W)	44.94	45.30	45.92	46.48	47.00	47.55	47.55
SURF T (C)	27.2	27.3	27.1	27.2	27.0	27.0	27.0
28							
27	98	90	63	74	61	0	
26	112	106	85	111	113	120	120
25	114	107	115	133	118	139	137
24	115	109	129	139	145	164	149
23	115	112	136	151	162	169	168
22	117	127	152	164	168	172	171
21	118	157	165	171	174	174	173
20	121	173	173	175	180	178	176
19	133	177	176	179	190	181	180
18	185	180	181	181	196	184	183
17	204	185	190	183	199		186
16	223	192	199	191	202		191
15	270	211	203	202	208		194
14	281	226	222	224	217		200
13	287	258	262	238	241		211
12	294	261	280	274	250		224
11	298	267	302	301	265		240
10	301	286	318	309	319		256
9	335	306	376	370	330		286
8	378						381
7							
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	127	128	129	130	131	132	133
YEAR	90	90	90	90	90	90	90
MONTH	10	10	10	10	10	10	10
DAY (GMT)	2	2	2	2	3	3	3
TIME (GMT)	1545	1839	2039	2227	0015	0217	0423
LAT (N)	3.75	4.22	4.64	5.02	5.43	5.84	6.29
LON (W)	48.07	48.53	48.83	49.09	49.34	49.66	49.96
SURF T (C)	27.4	28.0	28.3	28.3	28.4	28.5	28.1
28			31	36	39	34	33
27	127	99	89	107	108	124	92
26	134	150	154	160	151	149	126
25	157	171	162	173	168	154	137
24	170	189	176	185	172	160	139
23	174	191	193	195	185	167	141
22	175	192	203	208	195	191	144
21	177	193	207	216	231	223	173
20	178	194	213	227	245	232	200
19	183	195	215	233	259	258	205
18	186	197	217	235	268	262	210
17	195	198	218	236	280	286	212
16	199	199	219	238	282	289	218
15	203	201	220	241	286	294	227
14	208	208	222	243	295	299	230
13	211	211	224	264	334	303	252
12	214	218	232	270	349	317	281
11	228	229	275	281	382	347	299
10	253	310	317	335	418	380	335
9	307	367	372	396			
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	134	135	136	137	138	119	140
YEAR	90	90	90	90	90	90	90
MONTH	10	10	10	10	10	10	10
DAY (GMT)	3	3	3	3	3	3	4
TIME (GMT)	0615	0822	1015	1205	1415	1620	0005
LAT (N)	6.66	7.11	7.51	7.92	8.33	8.73	9.03
LON (W)	50.23	50.53	50.81	51.13	51.42	51.70	51.90
SURF T (C)	28.0	27.8	27.8	28.1	29.4	29.5	29.1
28	59			27	40	32	32
27	95	60	76	52	53	50	52
26	110	76	86	60	62	67	63
25	118	95	91	68	73	72	69
24	121	99	104	81	79	79	71
23	123	105	109	86	81	84	74
22	126	114	112	99	83	86	78
21	142	120	118	106	89	91	82
20	164	125	125	110	94	94	85
19	169	127	137	124	102	96	88
18	177	129	143	129	105	97	90
17	179	132	148	131	106	99	92
16	184	138	151	136	109	101	95
15	188	144	153	141	115	104	104
14	201	151	158	158	117	107	106
13	223	171	192	172	124	110	110
12	271	230	232	200	145	120	118
11	296	263	272	239	191	179	152
10	340	306	317	300	352	279	261
9	392	366		385	393	349	302
8							388
7							
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	141	142	143	144	145	146	147
YEAR	90	90	90	90	90	90	90
MONTH	10	10	10	10	10	10	10
DAY (GMT)	4	4	4	4	4	4	4
TIME (GMT)	0112	0525	0631	1111	1221	1230	1517
LAT (N)	8.82	8.55	8.33	8.11	7.95	7.95	7.79
LON (W)	52.03	52.17	52.31	52.45	52.55	52.55	52.64
SURF T (C)	29.3	29.2	29.5	29.4	30.7	29.4	29.5
28	29	29	33	40	63	37	41
27	42	41	51	59	73	52	56
26	59	60	63	70	80	67	71
25	62	67	72	80	86	73	79
24	66	77	81	86	93	79	88
23	70	79	86	93	98	86	95
22	75	82	90	98	106	91	100
21	77	86	93	110	116	96	103
20	79	92	99	114	121	104	110
19	82	96	108	120	126	115	120
18	84	101	112	124	130	119	127
17	87	106	115	128	137	124	131
16	90	111	120	135	145	130	138
15	92	116	127	139	156	137	144
14	95	122	140	145		145	154
13	100	134	151	155		155	161
12	112	150	180	175		161	175
11	143	166	226	197		192	197
10	223	259	274	220		215	216
9	276	296	349	252		233	242
8	379	394	429	377			384
7							
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	148	149	150	151	152	153	154
YEAR	90	90	90	90	90	90	90
MONTH	10	10	10	10	10	10	10
DAY (GMT)	4	4	4	4	5	5	5
TIME (GMT)	1622	1858	2003	2105	1316	1620	1935
LAT (N)	7.63	7.47	7.26	7.07	9.43	9.90	10.37
LON (W)	52.79	52.93	53.04	53.17	56.00	56.60	57.18
SURF T (C)	29.5	29.6	29.7	29.6	29.2	29.2	30.0
28	45	36	56	44	43	40	46
27	59	47	65	52	94	56	55
26	80	58	78	64	110	77	67
25	87	69	84	79	119	90	76
24	93	83	98	91	122	98	86
23	100	93	106	108	127	100	93
22	110	103	112	116	130	104	101
21	113	107	115	119	141	114	113
20	115	111	119	123	169	131	121
19	118	117	123	127	176	153	127
18	121	120	140	131	186	164	142
17	136	130	146	174	194	173	150
16	140	145	152	183	199	183	161
15	146	152	159	195	213	195	172
14	150	160	163	197	227	204	181
13	158	170	168	198	245	223	200
12	183	182	178	199	260	246	221
11	195	199	194	200	273	263	247
10	234	258	228	228	333	309	305
9	255	342	334	334	373	381	370
8	352	409	390	390			
7							
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	155	156	157	158	159	160	161
YEAR	90	90	90	90	90	90	90
MONTH	10	10	10	10	10	10	10
DAY (GMT)	5	6	6	6	6	6	6
TIME (GMT)	2236	0150	0506	0834	1655	1847	1905
LAT (N)	10.85	11.33	11.81	12.32	13.83	14.20	14.26
LON (W)	57.72	58.30	58.90	59.53	60.75	60.93	60.97
SURF T (C)	29.6	29.5	29.2	29.1	29.2	29.3	29.2
28	40	39	48	41	58	49	49
27	54	52	53	47	65	67	54
26	64	67	62	51	77	86	70
25	72	84	79	72	95	102	103
24	84	94	100	92	123	113	109
23	87	102	106	108	133	118	123
22	94	107	109	121	142	123	134
21	105	119	112	138	151	129	141
20	112	133	123	149	163	143	149
19	122	141	128	167	174	152	155
18	133	150	140	180	188	160	186
17	140	173	148	195	209	181	205
16	151	187	184	210	242	213	211
15	166	201	203	227	264	230	230
14	181	216	216	271	282	252	252
13	197	233	245	288	307	286	281
12	209	242	265	313	340		299
11	232	261	295	349	412		327
10	284	323	311	406	433		379
9	374	369	396				436
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	162	163	164	165	166	167	168
YEAR	90	90	90	90	90	90	90
MONTH	10	10	10	10	10	10	10
DAY (GMT)	6	6	6	7	8	9	10
TIME (GMT)	1930	1949	2006	1655	1656	1655	1655
LAT (N)	14.34	14.42	14.46	16.70	16.97	19.46	22.54
LON (W)	61.01	61.07	61.10	65.25	71.13	74.14	77.97
SURF T (C)	29.3	29.0	29.1	30.0	29.6	29.4	29.1
28	43	26	30	57	64	64	75
27	62	61	43	97	75	88	87
26	75	76	57	124	84	109	109
25	95	87	67	148	93	144	128
24	119	102	83	161	103	162	153
23	128	110	100	169	122	170	174
22	135	114	103	179	140	177	190
21	143	122	109	186	156	191	205
20	151	134	120	201	174	212	230
19	165	141	146	219	190	235	274
18	178	156	173	238	222	267	329
17	205	171	200	263	256	304	386
16	221	188	218	287	293	339	417
15	237	224	241	311	334	373	
14	251	248	297	338	363	413	
13	273	271	325	369	401		
12	297	288	351	411			
11	332	317	390				
10	390	415					
9							
8							
7							
6							

ISOTHERM DEPTHS (m)

R/V MALCOLM BALDRIGE MB-STACS37-90

XBT NO.	169
YEAR	90
MONTH	10
DAY (GMT)	11
TIME (GMT)	0614
LAT (N)	25.03
LON (W)	79.79
SURF T (C)	28.7
28	50
27	78
26	101
25	115
24	132
23	144
22	162
21	179
20	197
19	219
18	239
17	261
16	280
15	299
14	328
13	350
12	375
11	393
10	438
9	
8	
7	
6	

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