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CTD MEASUREMENTS DURING 1997 AND 1998 AS PART OF THE GLOBAL OCEAN-ATMOSPHERE-LAND SYSTEM (GOALS)/PAN AMERICAN CLIMATE STUDIES (PACS)

VOLUME II VOLUME I (click)

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Seattle, Washington
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GP1-98-KA
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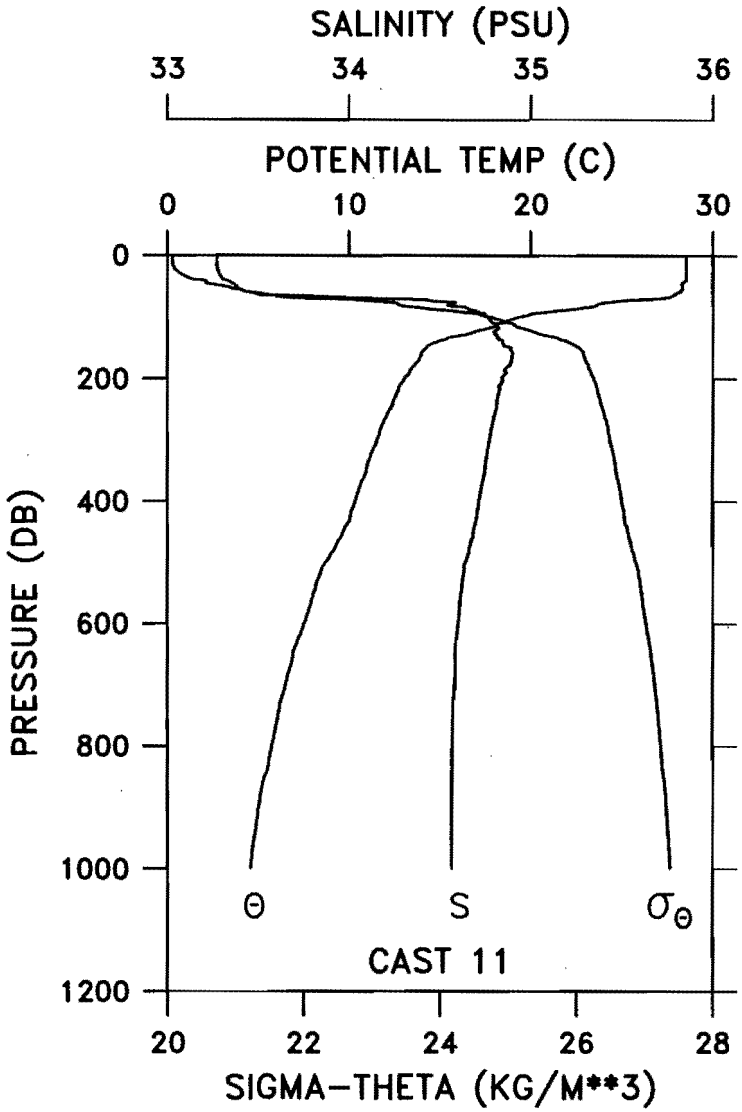
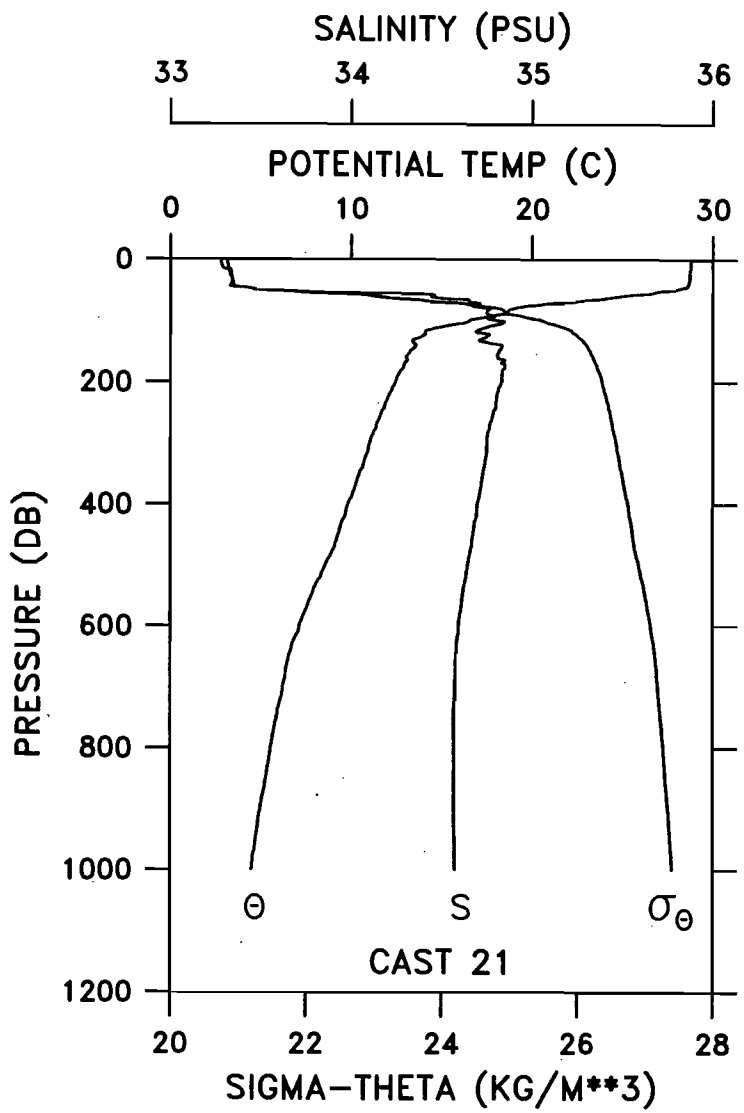


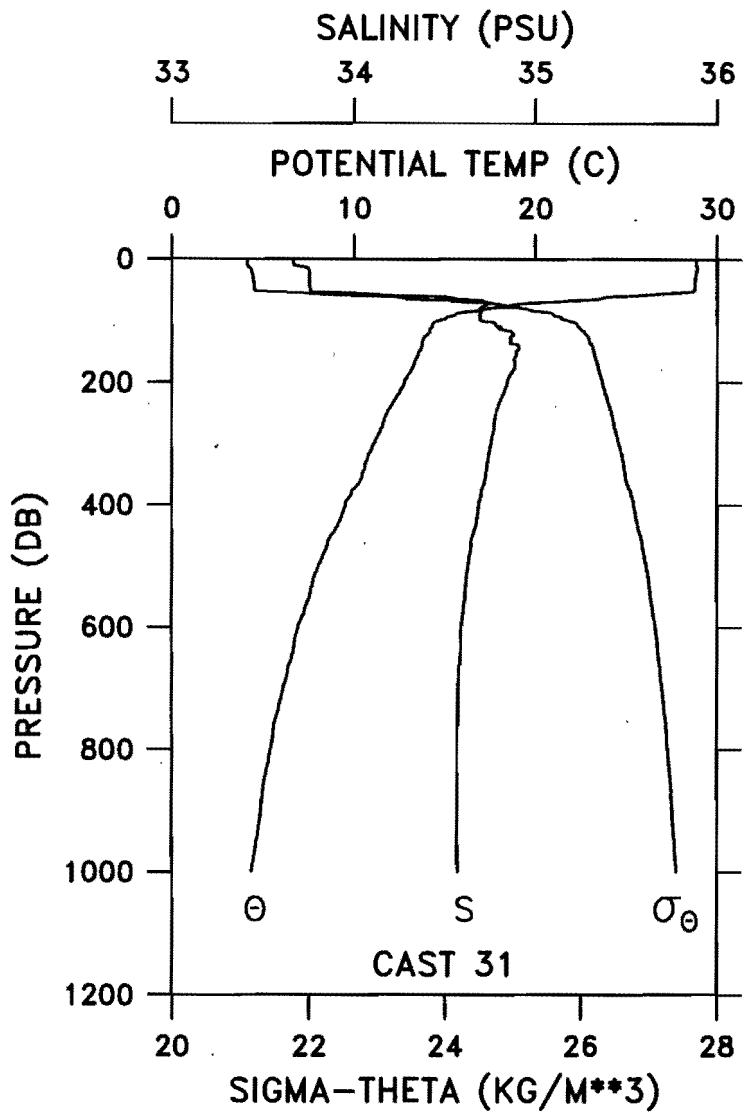
CAST GP1-98-KA-0011 DATE 14 FEB 98 TIME 1327 GMT
LAT 08 01.7N LONG 95 01.7W WEATHER 0 SEA STATE 2
BAROMETER 14 WIND DIR 308 T SPD 05 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 27.0 WET 24.5 DEPTH 3727 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.581	33.028	20.725	0.000
10	28.581	33.029	20.726	0.070
20	28.581	33.037	20.732	0.141
30	28.570	33.073	20.762	0.211
40	28.526	33.193	20.867	0.281
50	28.344	33.318	21.020	0.349
60	28.080	33.482	21.230	0.416
70	26.663	34.262	22.271	0.479
80	23.645	34.545	23.403	0.527
90	21.263	34.703	24.198	0.569
100	19.320	34.764	24.760	0.603
110	18.238	34.803	25.063	0.634
120	17.407	34.817	25.277	0.662
130	16.080	34.813	25.586	0.688
140	14.856	34.847	25.886	0.711
150	14.262	34.894	26.051	0.732
160	13.986	34.899	26.113	0.751
170	13.842	34.894	26.139	0.771
180	13.570	34.877	26.182	0.790
190	13.328	34.868	26.225	0.808
200	13.042	34.844	26.264	0.827
250	12.244	34.811	26.396	0.914
300	11.539	34.773	26.500	0.996
350	10.947	34.748	26.589	1.074
400	10.348	34.717	26.671	1.148
450	9.670	34.685	26.763	1.219
500	8.722	34.640	26.881	1.285
550	8.061	34.618	26.965	1.346
600	7.520	34.602	27.032	1.404
650	6.923	34.586	27.104	1.458
700	6.515	34.582	27.156	1.510
750	6.063	34.575	27.209	1.559
800	5.731	34.570	27.247	1.606
900	5.006	34.565	27.330	1.695
1000	4.562	34.568	27.382	1.777
1500	2.893	34.612	27.585	2.125
2000	2.041	34.647	27.686	2.400
2500	1.664	34.667	27.731	2.639
3000	1.594	34.671	27.739	2.875
3500	1.561	34.673	27.743	3.119
3505	1.560	34.672	27.743	3.122



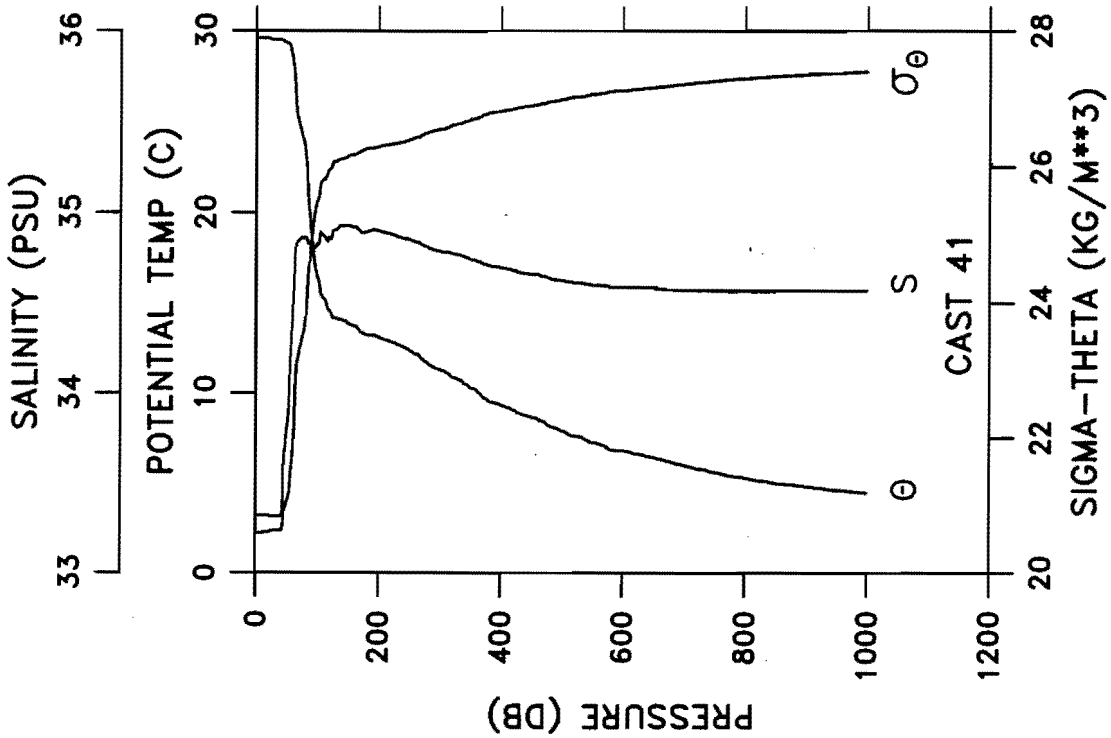
CAST GP1-98-KA-0021 DATE 15 FEB 98 TIME 0441 GMT
LAT 06 59.8N LONG 94 57.5W WEATHER 0 SEA STATE 2
BAROMETER 10 WIND DIR 051 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 27.4 WET 25.0 DEPTH 3712 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.792	33.282	20.846	0.000
10	28.781	33.287	20.854	0.069
20	28.721	33.327	20.903	0.138
30	28.718	33.340	20.914	0.207
40	28.644	33.337	20.936	0.275
50	27.811	33.471	21.308	0.343
60	24.754	34.443	22.996	0.398
70	21.633	34.688	24.085	0.442
80	18.925	34.768	24.864	0.477
90	18.063	34.763	25.076	0.507
100	16.523	34.836	25.501	0.534
110	15.011	34.758	25.783	0.558
120	14.112	34.734	25.959	0.579
130	13.481	34.713	26.074	0.599
140	13.611	34.836	26.142	0.619
150	13.261	34.817	26.199	0.637
160	13.044	34.810	26.238	0.656
170	12.971	34.845	26.280	0.674
180	12.796	34.836	26.307	0.691
190	12.584	34.834	26.347	0.709
200	12.459	34.830	26.369	0.726
250	11.683	34.785	26.483	0.809
300	11.017	34.750	26.578	0.887
350	10.466	34.727	26.659	0.961
400	9.829	34.697	26.745	1.032
450	9.280	34.673	26.817	1.100
500	8.575	34.645	26.907	1.164
550	7.815	34.616	27.000	1.224
600	7.129	34.594	27.081	1.279
650	6.557	34.580	27.149	1.331
700	6.229	34.575	27.188	1.381
750	5.883	34.567	27.225	1.429
800	5.548	34.571	27.270	1.475
900	4.996	34.570	27.335	1.562
1000	4.498	34.575	27.395	1.643
1006	4.478	34.575	27.397	1.647



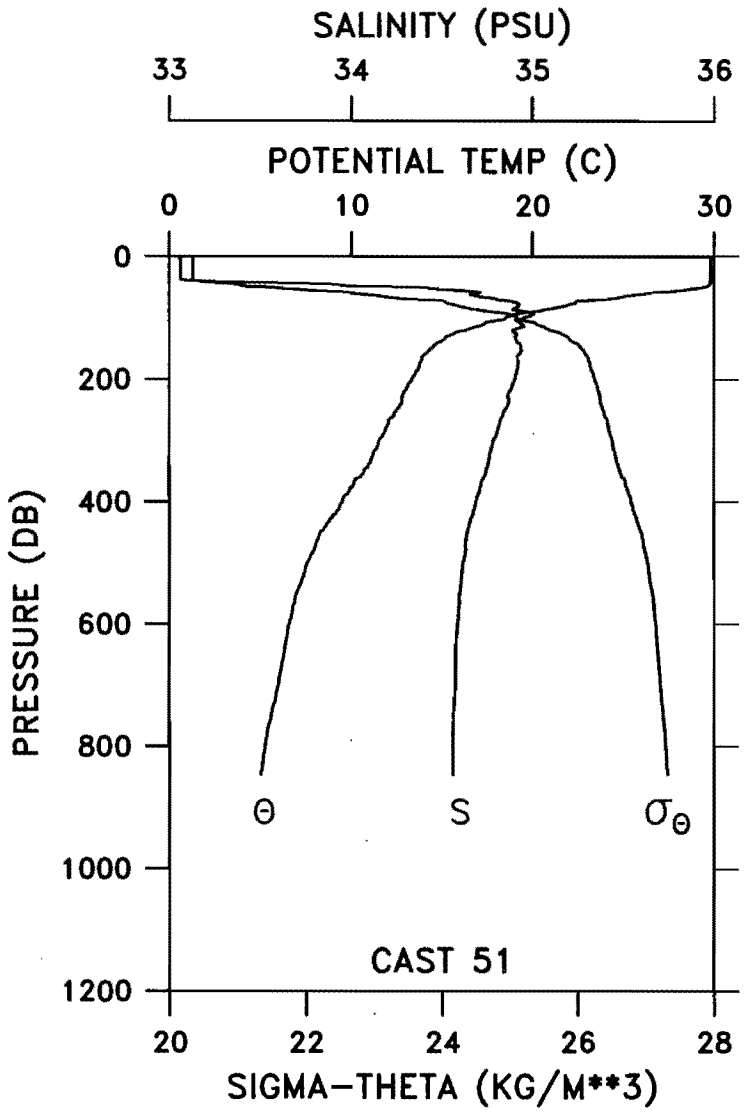
CAST GP1-98-KA-0031 DATE 15 FEB 98 TIME 1202 GMT
LAT 05 59.9N LONG 94 55.7W WEATHER 0 SEA STATE 3
BAROMETER 10 WIND DIR 044 T SPD 08 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 27.1 WET 24.5 DEPTH 3228 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.889	33.666	21.102	0.000
10	28.884	33.668	21.105	0.067
20	28.890	33.756	21.169	0.133
30	28.831	33.755	21.188	0.199
40	28.797	33.756	21.200	0.265
50	28.789	33.761	21.207	0.331
60	24.548	34.374	23.006	0.391
70	20.320	34.739	24.480	0.433
80	17.485	34.703	25.171	0.464
90	15.603	34.694	25.603	0.490
100	14.658	34.704	25.819	0.513
110	14.307	34.814	25.979	0.534
120	14.148	34.875	26.060	0.554
130	13.790	34.863	26.126	0.574
140	13.738	34.907	26.170	0.593
150	13.552	34.895	26.200	0.611
160	13.422	34.886	26.220	0.630
170	13.296	34.887	26.246	0.648
180	13.140	34.879	26.271	0.666
190	12.929	34.859	26.298	0.684
200	12.762	34.847	26.323	0.702
250	11.831	34.786	26.455	0.786
300	11.112	34.758	26.567	0.865
350	10.459	34.728	26.660	0.940
400	9.535	34.689	26.788	1.010
450	8.750	34.657	26.889	1.075
500	8.047	34.629	26.976	1.135
550	7.563	34.611	27.033	1.192
600	6.909	34.592	27.110	1.246
650	6.557	34.586	27.153	1.297
700	6.086	34.575	27.206	1.346
750	5.664	34.570	27.255	1.393
800	5.384	34.570	27.289	1.437
900	4.842	34.568	27.351	1.522
1000	4.346	34.573	27.410	1.602
1002	4.328	34.572	27.411	1.603



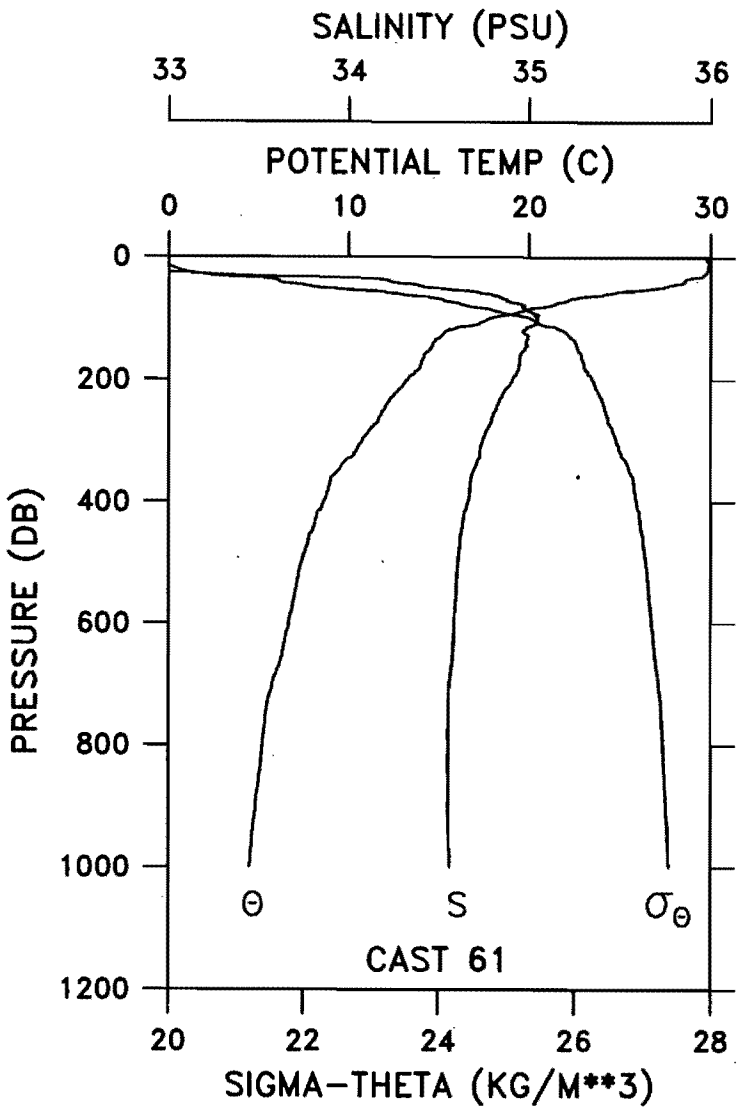
CAST GP1-98-KA-0041 DATE 16 FEB 98 TIME 0225 GMT
LAT 05 01.9N LONG 94 58.3W WEATHER 0 SEA STATE 3
BAROMETER 08 WIND DIR 017 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 28.3 WET 25.5 DEPTH 3591 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.634	33.318	20.592	0.000
10	29.633	33.317	20.592	0.072
20	29.612	33.317	20.598	0.143
30	29.528	33.315	20.625	0.215
40	29.511	33.315	20.631	0.286
50	29.340	33.800	21.052	0.356
60	28.336	34.396	21.833	0.421
70	24.886	34.849	23.263	0.472
80	23.388	34.860	23.717	0.517
90	19.008	34.797	24.865	0.553
100	16.425	34.827	25.517	0.580
110	15.247	34.870	25.818	0.603
120	14.529	34.859	25.966	0.625
130	14.154	34.903	26.080	0.645
140	14.056	34.930	26.122	0.664
150	13.843	34.928	26.165	0.683
160	13.729	34.920	26.183	0.702
170	13.393	34.893	26.231	0.720
180	13.224	34.892	26.265	0.739
190	13.197	34.904	26.280	0.756
200	13.108	34.900	26.294	0.774
250	12.385	34.851	26.400	0.861
300	11.308	34.786	26.553	0.942
350	10.290	34.741	26.700	1.016
400	9.343	34.696	26.824	1.084
450	8.654	34.659	26.906	1.147
500	7.887	34.624	26.996	1.206
550	7.232	34.600	27.071	1.262
600	6.787	34.588	27.123	1.314
650	6.404	34.583	27.171	1.365
700	5.950	34.571	27.221	1.413
750	5.564	34.568	27.266	1.459
800	5.261	34.568	27.302	1.503
900	4.781	34.568	27.358	1.586
1000	4.408	34.571	27.402	1.666
1003	4.392	34.571	27.403	1.668



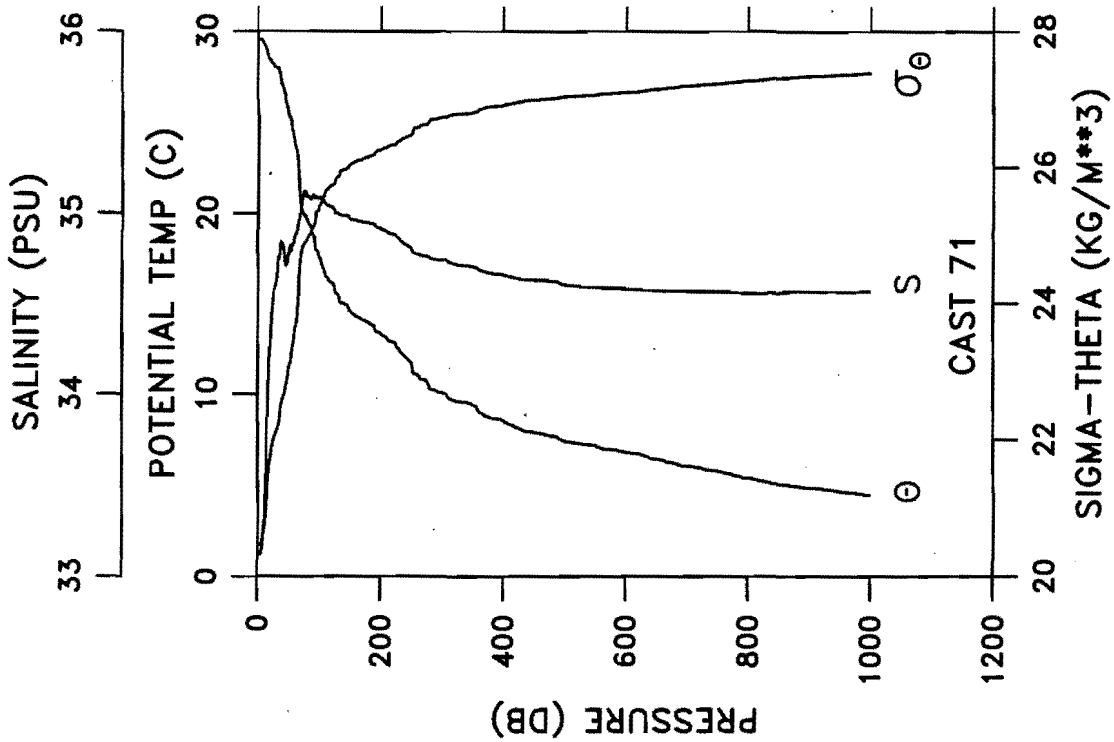
CAST GP1-98-KA-0051 DATE 16 FEB 98 TIME 1025 GMT
LAT 04 00.4N LONG 94 58.1W WEATHER 0 SEA STATE 3
BAROMETER 10 WIND DIR 023 T SPD 09 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 28.3 WET 25.7 DEPTH 3349 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.797	33.057	20.341	0.000
10	29.796	33.060	20.344	0.074
20	29.801	33.060	20.342	0.148
30	29.801	33.060	20.343	0.222
40	29.779	33.163	20.427	0.296
50	29.392	34.290	21.402	0.365
60	26.283	34.670	22.698	0.423
70	23.837	34.809	23.547	0.471
80	21.761	34.925	24.229	0.510
90	19.951	34.977	24.758	0.545
100	18.502	34.950	25.110	0.575
110	17.347	34.942	25.387	0.602
120	16.302	34.889	25.593	0.627
130	15.260	34.904	25.841	0.650
140	14.750	34.923	25.968	0.672
150	14.365	34.937	26.062	0.692
160	13.977	34.920	26.131	0.711
170	13.818	34.921	26.165	0.730
180	13.697	34.919	26.189	0.749
190	13.480	34.910	26.227	0.768
200	13.322	34.902	26.253	0.786
250	12.483	34.846	26.376	0.874
300	11.511	34.783	26.513	0.956
350	10.699	34.743	26.629	1.033
400	9.513	34.688	26.790	1.103
450	8.315	34.640	26.944	1.167
500	7.572	34.617	27.036	1.224
550	6.969	34.597	27.106	1.278
600	6.568	34.586	27.152	1.329
650	6.263	34.576	27.184	1.378
700	5.943	34.571	27.221	1.426
750	5.560	34.564	27.263	1.472
800	5.232	34.560	27.299	1.516
846	4.982	34.560	27.329	1.555



CAST GP1-98-KA-0061 DATE 16 FEB 98 TIME 1824 GMT
LAT 02 59.8N LONG 94 58.9W WEATHER 0 SEA STATE 3
BAROMETER 05 WIND DIR 064 T SPD 08 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 29.2 WET 27.1 DEPTH 2626 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.804	32.312	19.781	0.000
10	29.915	32.531	19.907	0.079
20	29.833	32.789	20.129	0.156
30	29.584	33.340	20.626	0.231
40	28.554	34.232	21.638	0.295
50	27.219	34.451	22.236	0.354
60	24.207	34.785	23.419	0.404
70	22.200	34.880	24.072	0.446
80	21.086	34.974	24.452	0.482
90	19.387	35.016	24.935	0.515
100	17.813	35.044	25.353	0.543
110	17.133	35.028	25.505	0.569
120	15.511	34.967	25.834	0.592
130	15.136	34.995	25.939	0.614
140	14.719	34.984	26.022	0.634
150	14.573	34.979	26.050	0.654
160	14.211	34.952	26.106	0.674
170	14.072	34.947	26.132	0.693
180	13.999	34.943	26.144	0.712
190	13.681	34.931	26.201	0.731
200	13.293	34.909	26.264	0.750
250	11.963	34.814	26.452	0.835
300	10.782	34.746	26.617	0.913
350	9.415	34.693	26.811	0.983
400	8.644	34.665	26.912	1.045
450	7.984	34.630	26.986	1.104
500	7.407	34.611	27.055	1.160
550	7.055	34.601	27.097	1.213
600	6.700	34.590	27.137	1.264
650	6.354	34.582	27.177	1.314
700	5.773	34.563	27.236	1.362
750	5.400	34.558	27.278	1.407
800	5.220	34.558	27.299	1.450
900	4.838	34.556	27.342	1.535
1000	4.507	34.566	27.387	1.616
1008	4.491	34.565	27.388	1.623

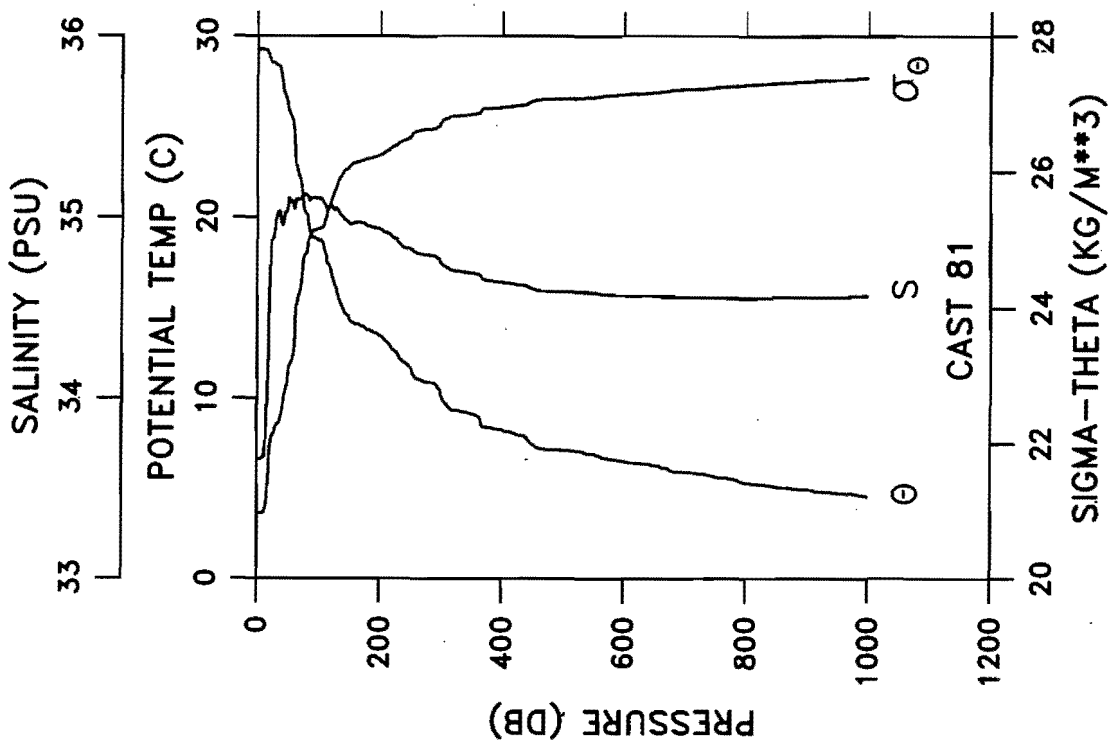


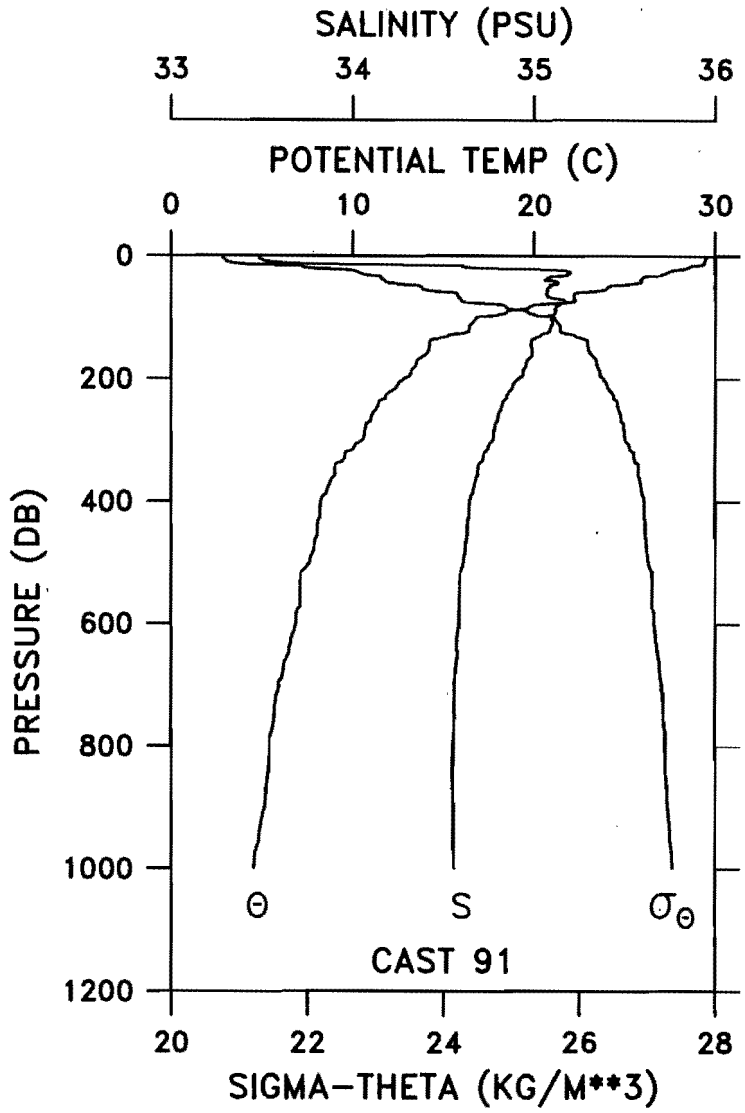
CAST GP1-98-KA-0071 DATE 17 FEB 98 TIME 0249 GMT
LAT 01 58.4N LONG 95 01.0W WEATHER 0 SEA STATE 3
BAROMETER 07 WIND DIR 102 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 29.0 WET 26.5 DEPTH 3077 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.569	33.122	20.467	0.000
10	29.302	33.309	20.697	0.072
20	28.429	34.264	21.703	0.138
30	28.018	34.618	22.104	0.197
40	27.012	34.835	22.592	0.252
50	25.434	34.772	23.039	0.303
60	23.794	34.870	23.605	0.349
70	20.283	35.021	24.704	0.388
80	19.582	35.088	24.939	0.419
90	18.818	35.098	25.143	0.449
100	17.544	35.087	25.452	0.475
110	16.561	35.049	25.656	0.500
120	16.135	35.033	25.743	0.523
130	15.462	34.997	25.868	0.545
140	14.970	34.986	25.968	0.566
150	14.542	34.967	26.047	0.587
160	14.259	34.958	26.100	0.607
170	14.083	34.950	26.132	0.626
180	13.913	34.944	26.163	0.645
190	13.581	34.930	26.221	0.664
200	13.276	34.910	26.268	0.682
250	11.669	34.802	26.499	0.767
300	10.077	34.740	26.737	0.840
350	9.420	34.703	26.818	0.906
400	8.549	34.659	26.922	0.967
450	7.902	34.631	26.999	1.025
500	7.429	34.603	27.046	1.081
550	7.183	34.592	27.072	1.135
600	6.806	34.581	27.115	1.188
650	6.428	34.572	27.159	1.239
700	6.033	34.568	27.208	1.288
750	5.764	34.564	27.238	1.335
800	5.370	34.556	27.280	1.380
900	4.859	34.566	27.348	1.465
1000	4.458	34.566	27.392	1.546
1006	4.436	34.566	27.395	1.550

CAST GP1-98-KA-0081 DATE 17 FEB 98 TIME 1059 GMT
LAT 01 00.5N LONG 94 58.1W WEATHER 0 SEA STATE 3
BAROMETER 06 WIND DIR 126 T SPD 05 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 29.0 WET 26.0 DEPTH 3500 M

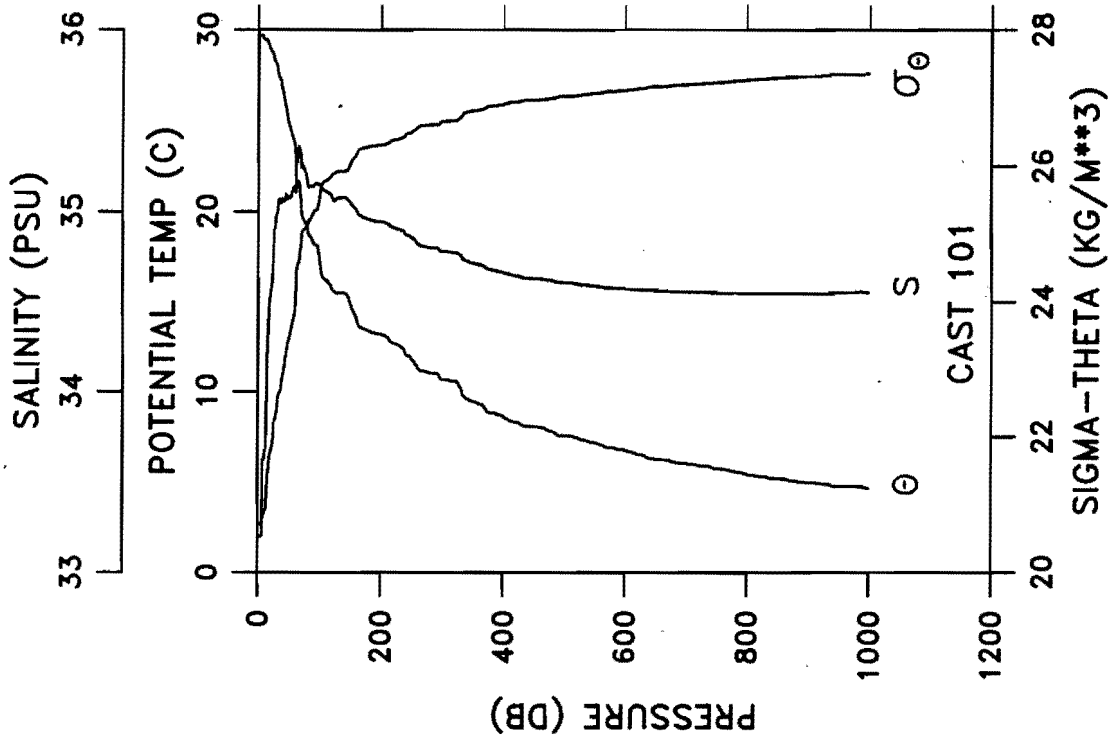
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.279	33.663	20.970	0.000
10	29.275	33.674	20.979	0.068
20	28.808	34.587	21.820	0.134
30	28.441	34.986	22.242	0.191
40	27.783	34.966	22.442	0.246
50	26.175	35.071	23.034	0.297
60	24.888	35.045	23.411	0.344
70	22.087	35.104	24.274	0.383
80	20.188	35.123	24.807	0.416
90	18.854	35.104	25.139	0.446
100	18.734	35.101	25.167	0.475
110	18.150	35.070	25.289	0.503
120	17.059	35.066	25.552	0.528
130	15.808	35.043	25.825	0.552
140	14.926	34.994	25.985	0.573
150	14.370	34.963	26.081	0.593
160	14.116	34.970	26.140	0.612
170	13.987	34.967	26.165	0.631
180	13.779	34.951	26.196	0.650
190	13.624	34.940	26.220	0.669
200	13.465	34.933	26.247	0.687
250	11.692	34.828	26.514	0.772
300	10.110	34.750	26.738	0.845
350	9.161	34.694	26.853	0.910
400	8.281	34.644	26.952	0.970
450	7.462	34.607	27.044	1.027
500	7.128	34.592	27.079	1.080
550	6.926	34.584	27.102	1.133
600	6.504	34.572	27.149	1.184
650	6.276	34.569	27.177	1.233
700	5.886	34.562	27.221	1.281
750	5.619	34.557	27.251	1.327
800	5.301	34.557	27.289	1.372
900	4.938	34.559	27.333	1.458
1000	4.526	34.567	27.386	1.540
1005	4.506	34.566	27.387	1.544





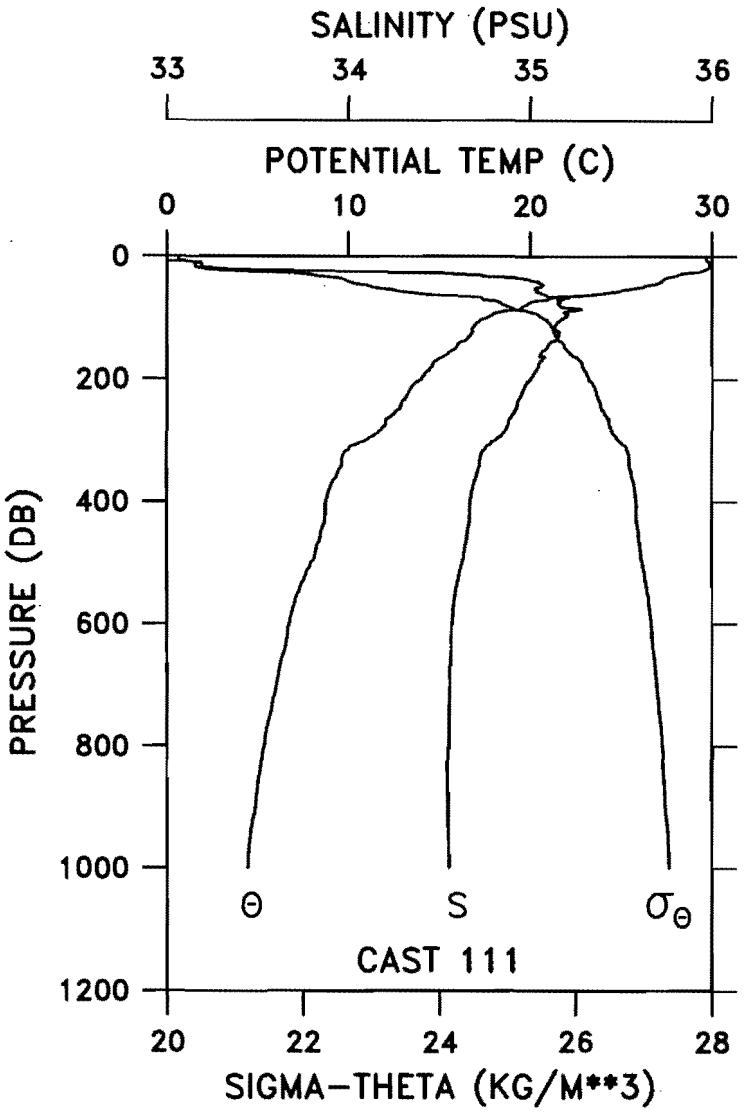
CAST GP1-98-KA-0091 DATE 17 FEB 98 TIME 1817 GMT
LAT 00 06.7N LONG 94 55.7W WEATHER 0 SEA STATE 2
BAROMETER 06 WIND DIR 129 T SPD 04 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 29.7 WET 27.4 DEPTH 3319 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.537	33.487	20.751	0.000
10	29.417	33.542	20.833	0.070
20	28.420	34.695	22.030	0.133
30	27.149	35.187	22.813	0.186
40	25.915	35.099	23.136	0.234
50	24.119	35.088	23.675	0.280
60	22.299	35.070	24.188	0.321
70	22.264	35.150	24.259	0.358
80	19.915	35.139	24.892	0.393
90	18.541	35.121	25.231	0.423
100	16.851	35.101	25.628	0.449
110	16.576	35.103	25.694	0.473
120	16.413	35.088	25.721	0.496
130	15.224	35.031	25.947	0.518
140	14.248	34.984	26.123	0.538
150	14.218	34.989	26.133	0.557
160	14.010	34.989	26.177	0.576
170	13.543	34.961	26.253	0.594
180	13.429	34.953	26.270	0.612
190	13.207	34.938	26.304	0.630
200	12.839	34.912	26.358	0.647
250	11.295	34.817	26.580	0.727
300	10.540	34.772	26.680	0.800
350	9.032	34.690	26.870	0.866
400	8.239	34.645	26.959	0.926
450	8.056	34.631	26.976	0.984
500	7.616	34.610	27.024	1.041
550	7.119	34.590	27.080	1.095
600	6.874	34.586	27.110	1.148
650	6.440	34.577	27.162	1.199
700	5.921	34.561	27.216	1.247
750	5.677	34.562	27.247	1.293
800	5.428	34.554	27.271	1.338
900	5.134	34.555	27.307	1.427
1000	4.550	34.559	27.377	1.510
1003	4.546	34.559	27.377	1.513



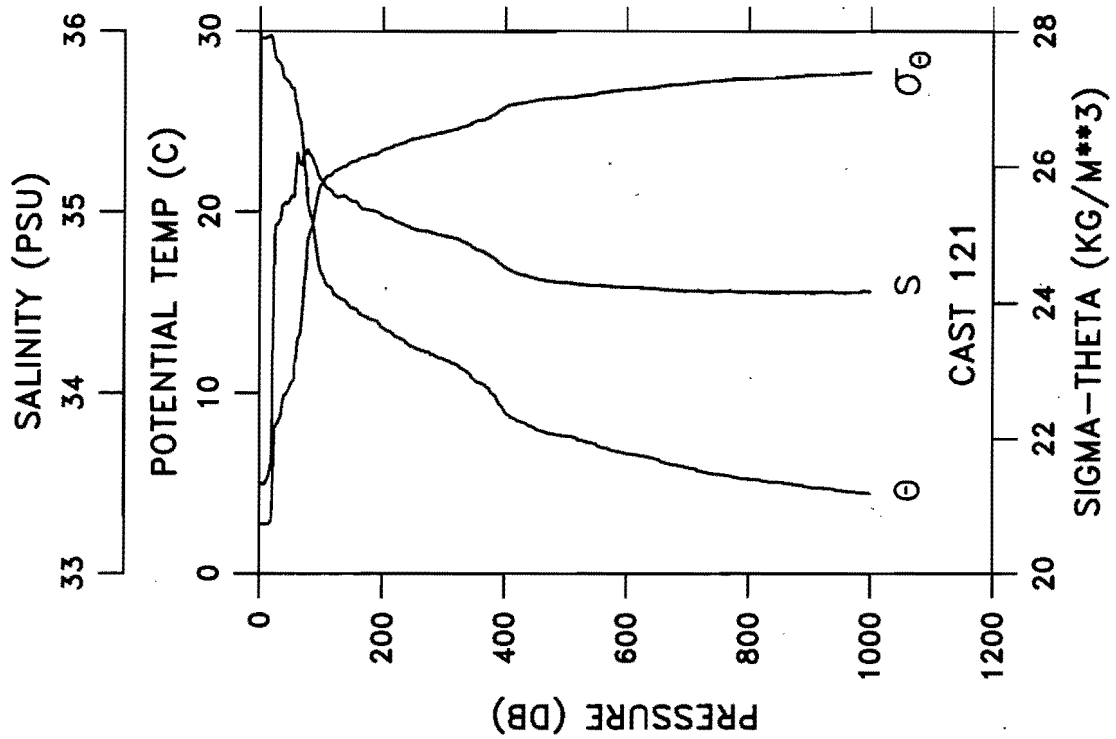
CAST GP1-98-KA-0101 DATE 18 FEB 98 TIME 1107 GMT
LAT 00 59.9S LONG 95 09.7W WEATHER 0 SEA STATE 2
BAROMETER 08 WIND DIR 286 T SPD 01 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 28.0 WET 26.4 DEPTH 3288 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.710	33.268	20.529	0.000
10	29.497	33.621	20.865	0.071
20	28.888	34.545	21.762	0.136
30	28.095	34.982	22.352	0.194
40	26.671	35.057	22.867	0.246
50	24.833	35.077	23.452	0.293
60	23.495	35.110	23.875	0.336
70	20.003	35.240	24.945	0.370
80	19.006	35.148	25.134	0.399
90	18.243	35.140	25.320	0.426
100	17.229	35.146	25.573	0.452
110	16.221	35.110	25.782	0.475
120	15.693	35.075	25.876	0.497
130	15.497	35.076	25.921	0.519
140	15.487	35.077	25.924	0.540
150	14.898	35.049	26.033	0.561
160	14.047	35.002	26.180	0.580
170	13.508	34.968	26.266	0.598
180	13.364	34.957	26.286	0.616
190	13.254	34.948	26.302	0.634
200	13.187	34.945	26.313	0.651
250	11.795	34.855	26.516	0.735
300	10.662	34.782	26.667	0.810
350	9.475	34.716	26.819	0.880
400	8.644	34.663	26.911	0.942
450	8.054	34.631	26.976	1.001
500	7.569	34.608	27.030	1.058
550	7.160	34.588	27.072	1.112
600	6.751	34.574	27.118	1.165
650	6.254	34.564	27.175	1.215
700	6.017	34.557	27.201	1.263
750	5.715	34.551	27.234	1.311
800	5.401	34.546	27.268	1.356
900	4.941	34.547	27.323	1.444
1000	4.610	34.554	27.368	1.527
1006	4.566	34.554	27.371	1.532



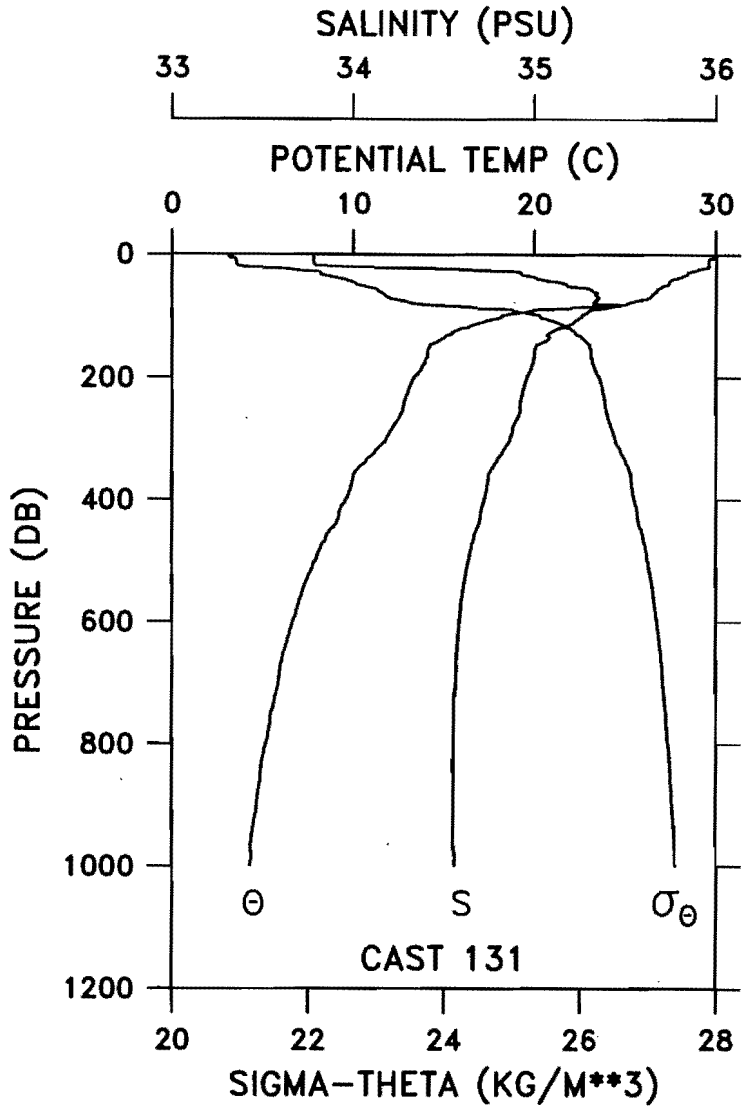
CAST GP1-98-KA-0111 DATE 19 FEB 98 TIME 0203 GMT
LAT 01 56.7S LONG 95 01.8W WEATHER 5 SEA STATE 2
BAROMETER 06 WIND DIR 224 T SPD 02 KT VISIBILITY 7
CLOUD 7 AMOUNT 8 DRY 25.5 WET 24.4 DEPTH 3414 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.695	32.790	20.176	0.000
10	29.884	33.186	20.409	0.075
20	29.720	33.283	20.536	0.148
30	28.178	34.699	22.112	0.213
40	27.253	35.006	22.643	0.267
50	26.201	35.053	23.012	0.318
60	24.128	35.059	23.650	0.363
70	20.969	35.176	24.638	0.400
80	19.676	35.165	24.974	0.431
90	18.465	35.198	25.309	0.460
100	17.616	35.187	25.511	0.486
110	17.005	35.143	25.624	0.510
120	16.809	35.140	25.668	0.534
130	16.653	35.153	25.715	0.557
140	16.090	35.110	25.812	0.580
150	15.852	35.086	25.849	0.602
160	15.362	35.056	25.935	0.623
170	14.772	35.055	26.065	0.644
180	14.558	35.042	26.102	0.663
190	14.200	35.021	26.162	0.683
200	13.981	34.999	26.191	0.702
250	12.667	34.916	26.395	0.790
300	10.915	34.806	26.640	0.869
350	9.442	34.711	26.821	0.936
400	8.756	34.670	26.899	0.999
450	8.481	34.654	26.930	1.060
500	7.910	34.623	26.991	1.120
550	7.200	34.587	27.066	1.175
600	6.733	34.571	27.118	1.228
650	6.363	34.564	27.161	1.279
700	6.023	34.559	27.202	1.328
750	5.660	34.554	27.243	1.375
800	5.329	34.550	27.280	1.420
900	4.877	34.547	27.330	1.506
1000	4.451	34.555	27.384	1.587
1002	4.435	34.555	27.386	1.588



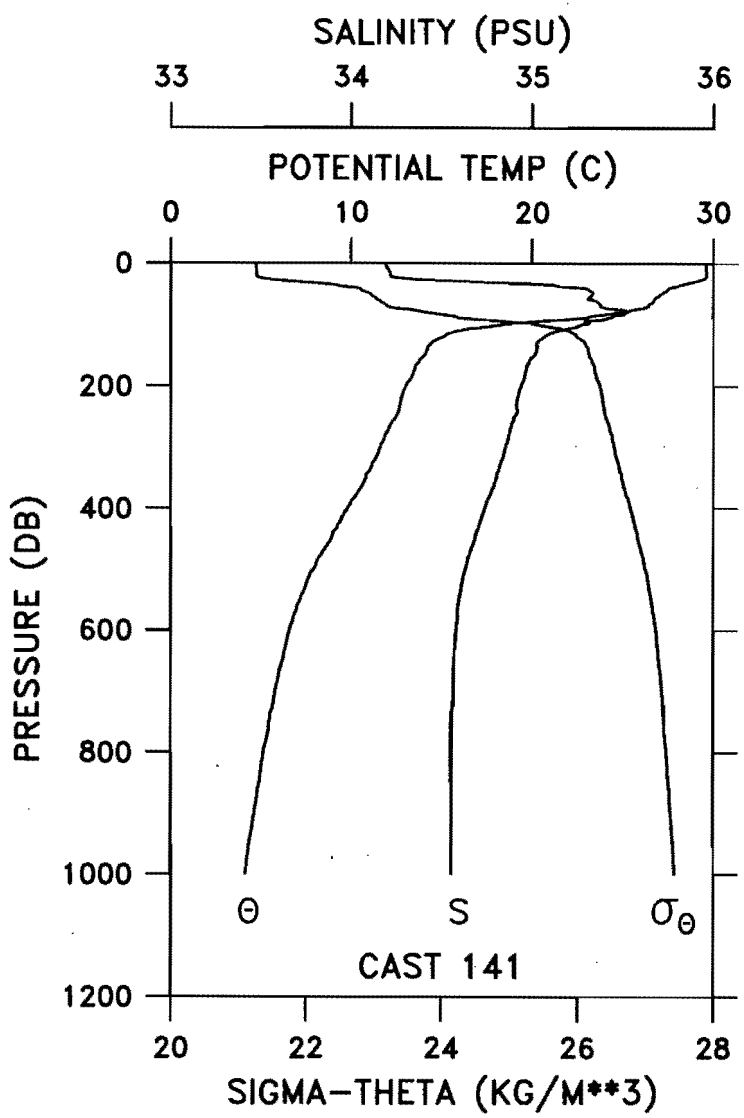
CAST GP1-98-KA-0121 DATE 19 FEB 98 TIME 1256 GMT
LAT 03 00.0S LONG 95 04.1W WEATHER 0 SEA STATE 2
BAROMETER 08 WIND DIR 099 T SPD 03 KT VISIBILITY 7
CLOUD 6 AMOUNT 4 DRY 27.7 WET 25.0 DEPTH 3470 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.623	33.499	20.732	0.000
10	29.652	33.513	20.732	0.070
20	29.522	33.686	20.905	0.140
30	28.321	34.934	22.241	0.199
40	27.358	35.044	22.639	0.254
50	26.935	35.077	22.799	0.305
60	25.863	35.294	23.300	0.355
70	23.550	35.307	24.008	0.398
80	20.088	35.322	24.986	0.432
90	18.365	35.257	25.380	0.460
100	16.614	35.176	25.741	0.484
110	15.935	35.129	25.863	0.506
120	15.506	35.093	25.932	0.528
130	15.270	35.083	25.977	0.549
140	15.110	35.083	26.013	0.569
150	14.740	35.056	26.073	0.589
160	14.539	35.040	26.104	0.609
170	14.276	35.013	26.140	0.628
180	14.105	35.008	26.172	0.647
190	14.012	35.000	26.186	0.666
200	13.654	34.979	26.244	0.685
250	12.578	34.906	26.405	0.772
300	11.906	34.868	26.505	0.854
350	10.778	34.800	26.660	0.931
400	9.021	34.695	26.876	1.000
450	8.099	34.636	26.973	1.060
500	7.670	34.614	27.020	1.116
550	7.211	34.598	27.073	1.171
600	6.669	34.586	27.138	1.223
650	6.355	34.579	27.175	1.273
700	5.886	34.567	27.225	1.321
750	5.514	34.564	27.269	1.366
800	5.259	34.563	27.298	1.410
900	4.799	34.558	27.348	1.495
1000	4.434	34.563	27.393	1.576
1004	4.428	34.563	27.393	1.579



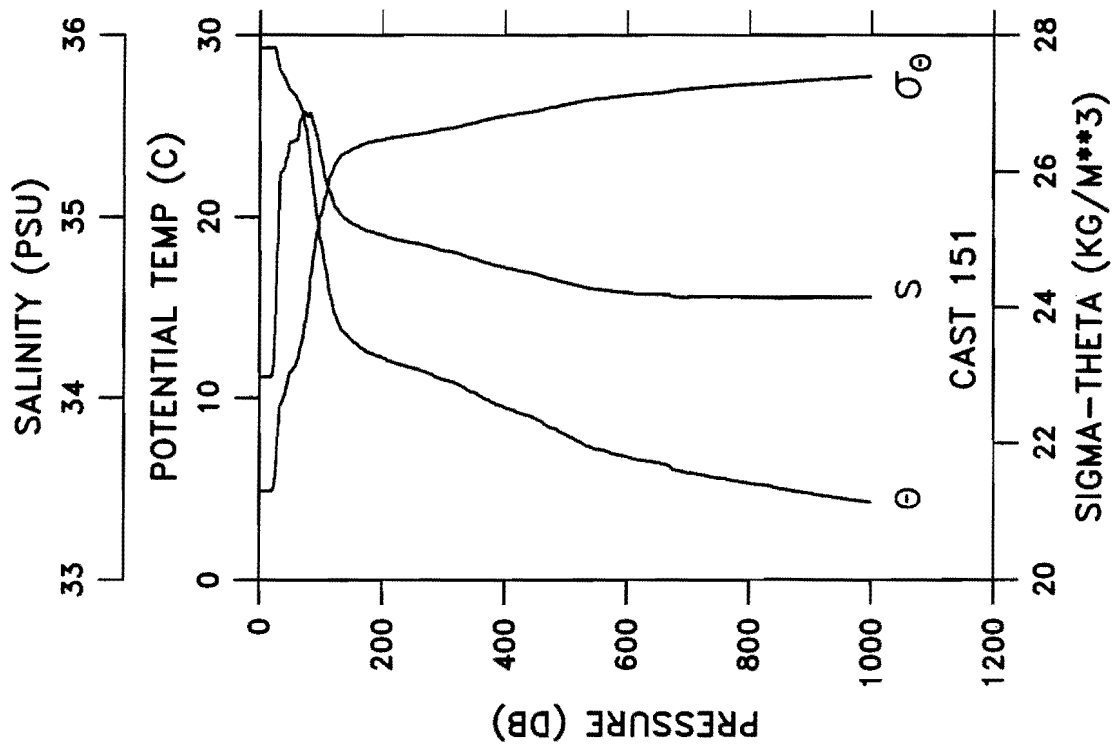
CAST GP1-98-KA-0131 DATE 19 FEB 98 TIME 2113 GMT
LAT 03 59.7S LONG 95 06.4W WEATHER 0 SEA STATE 2
BAROMETER 08 WIND DIR 178 T SPD 05 KT VISIBILITY 7
CLOUD 6 AMOUNT 2 DRY 29.2 WET 26.1 DEPTH 3561 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.928	33.780	20.839	0.000
10	29.624	33.782	20.943	0.069
20	29.601	33.964	21.088	0.137
30	28.478	34.928	22.186	0.197
40	27.615	35.024	22.540	0.253
50	27.225	35.180	22.783	0.304
60	26.725	35.327	23.054	0.354
70	26.346	35.358	23.197	0.401
80	25.064	35.382	23.612	0.447
90	19.965	35.310	25.009	0.483
100	18.199	35.262	25.424	0.511
110	17.168	35.218	25.643	0.536
120	15.974	35.137	25.860	0.559
130	15.376	35.074	25.946	0.580
140	14.727	35.066	26.083	0.600
150	14.207	35.008	26.150	0.619
160	14.107	35.000	26.165	0.638
170	13.999	34.996	26.185	0.657
180	13.856	34.986	26.207	0.676
190	13.649	34.974	26.241	0.694
200	13.353	34.959	26.291	0.712
250	12.747	34.921	26.383	0.799
300	11.814	34.866	26.521	0.881
350	10.257	34.764	26.723	0.956
400	9.567	34.723	26.809	1.024
450	8.707	34.678	26.913	1.087
500	7.927	34.637	27.000	1.146
550	7.179	34.606	27.084	1.201
600	6.636	34.586	27.143	1.253
650	6.124	34.573	27.200	1.302
700	5.835	34.567	27.232	1.349
750	5.407	34.559	27.278	1.395
800	5.141	34.556	27.307	1.438
900	4.635	34.552	27.362	1.521
1000	4.273	34.562	27.409	1.600
1006	4.247	34.566	27.415	1.604



CAST GP1-98-KA-0141 DATE 20 FEB 98 TIME 0642 GMT
LAT 04 57.0S LONG 95 12.7W WEATHER 6 SEA STATE 2
BAROMETER 08 WIND DIR 007 T SPD 05 KT VISIBILITY 4
CLOUD 7 AMOUNT 8 DRY 25.2 WET 24.5 DEPTH 3773 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.588	34.196	21.266	0.000
10	29.604	34.207	21.269	0.065
20	29.623	34.221	21.272	0.130
30	28.927	34.646	21.825	0.194
40	27.548	35.278	22.753	0.249
50	27.084	35.335	22.945	0.299
60	26.682	35.340	23.077	0.348
70	26.358	35.378	23.208	0.395
80	24.808	35.518	23.793	0.439
90	22.416	35.411	24.414	0.478
100	18.227	35.270	25.424	0.508
110	15.914	35.139	25.875	0.531
120	15.112	35.064	25.997	0.552
130	14.439	35.024	26.113	0.572
140	14.247	35.026	26.156	0.591
150	14.104	35.011	26.174	0.610
160	13.797	34.984	26.218	0.628
170	13.581	34.969	26.251	0.646
180	13.451	34.960	26.271	0.664
190	13.287	34.953	26.299	0.682
200	13.055	34.938	26.334	0.700
250	12.509	34.903	26.416	0.785
300	11.636	34.853	26.545	0.865
350	10.851	34.804	26.650	0.941
400	9.821	34.740	26.779	1.011
450	8.918	34.687	26.887	1.076
500	7.937	34.634	26.996	1.136
550	7.171	34.599	27.080	1.191
600	6.602	34.585	27.146	1.242
650	6.202	34.573	27.189	1.292
700	5.787	34.568	27.239	1.339
750	5.454	34.556	27.270	1.384
800	5.141	34.556	27.307	1.428
900	4.639	34.556	27.364	1.511
1000	4.123	34.561	27.424	1.589
1500	2.862	34.606	27.583	1.927
2000	2.096	34.644	27.679	2.203
2500	1.723	34.665	27.725	2.449
3000	1.526	34.678	27.750	2.683
3500	1.505	34.679	27.752	2.919
3512	1.505	34.678	27.752	2.925

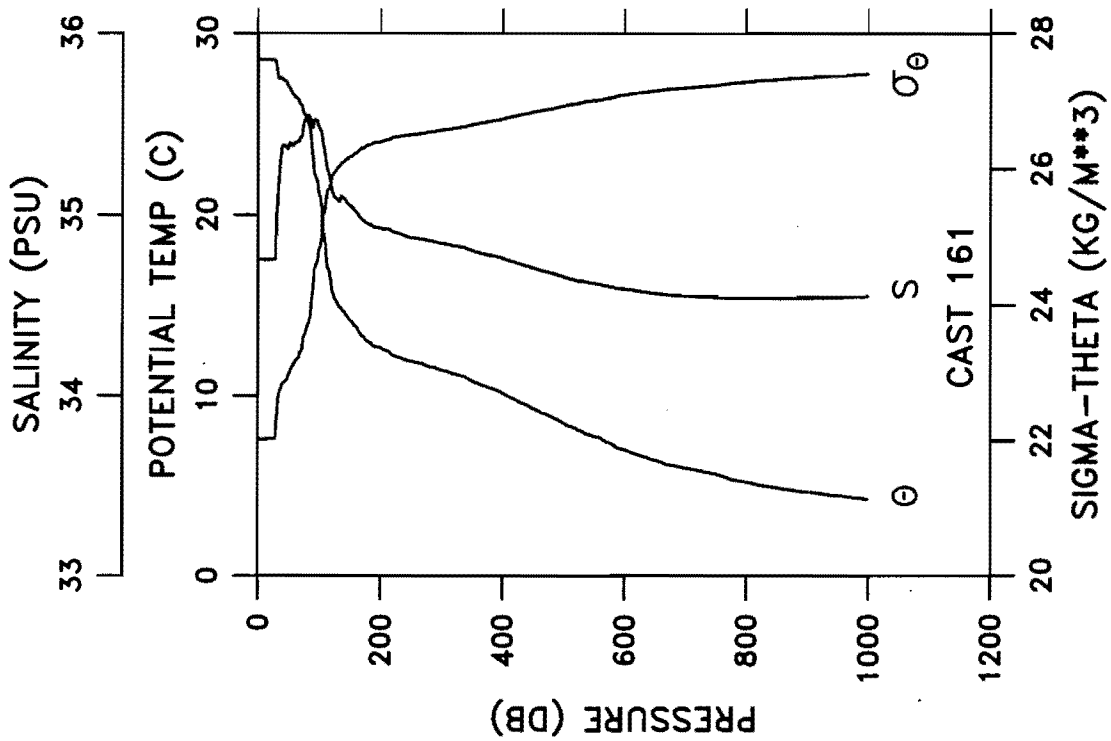


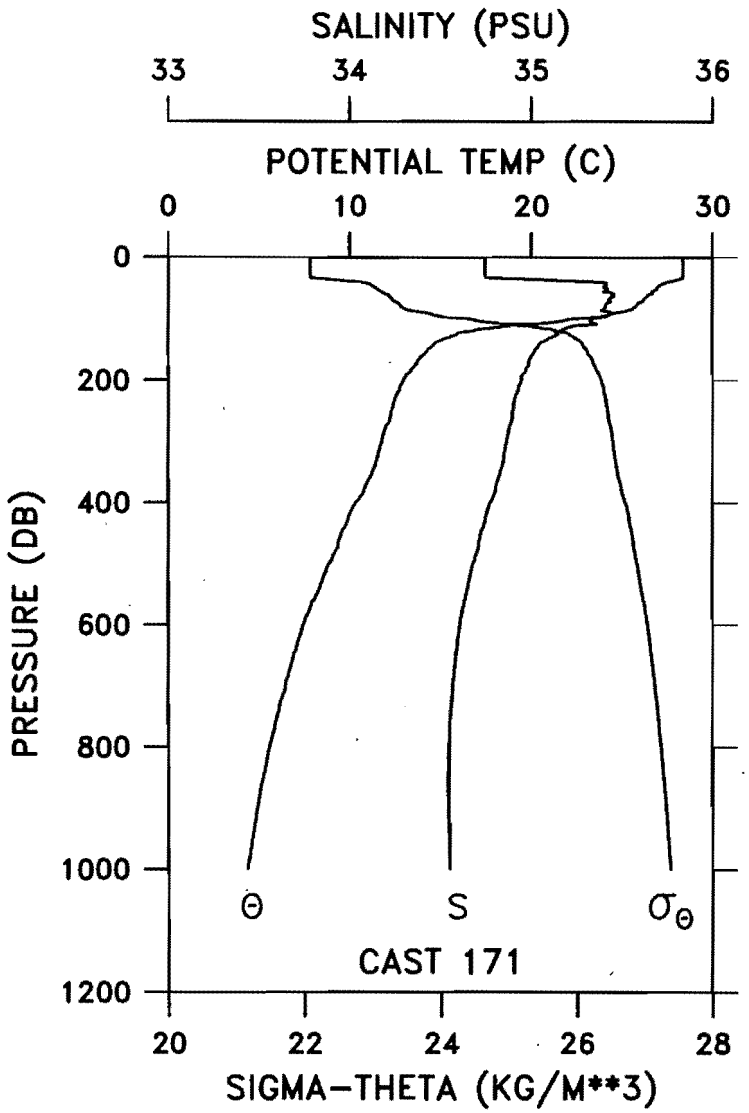
CAST GP1-98-KA-0151 DATE 21 FEB 98 TIME 0858 GMT
LAT 06 00.0S LONG 95 05.5W WEATHER 6 SEA STATE 3
BAROMETER 09 WIND DIR 297 T SPD 04 KT VISIBILITY 4
CLOUD 8 AMOUNT 8 DRY 24.4 WET 23.8 DEPTH 3895 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.313	34.117	21.299	0.000
10	29.315	34.117	21.298	0.065
20	29.317	34.127	21.305	0.130
30	28.539	34.895	22.141	0.192
40	27.698	35.269	22.698	0.245
50	26.948	35.413	23.047	0.295
60	26.540	35.422	23.184	0.343
70	25.759	35.569	23.540	0.388
80	23.823	35.555	24.116	0.429
90	20.945	35.486	24.880	0.463
100	18.629	35.328	25.367	0.491
110	16.692	35.176	25.723	0.516
120	14.911	35.081	26.055	0.537
130	13.977	35.022	26.210	0.556
140	13.514	34.989	26.280	0.574
150	13.182	34.966	26.330	0.592
160	12.938	34.948	26.366	0.609
170	12.662	34.931	26.408	0.625
180	12.475	34.920	26.435	0.642
190	12.320	34.908	26.457	0.658
200	12.211	34.900	26.472	0.674
250	11.630	34.857	26.548	0.753
300	11.020	34.816	26.629	0.828
350	10.300	34.770	26.721	0.900
400	9.479	34.720	26.821	0.967
450	8.881	34.685	26.891	1.031
500	7.987	34.637	26.991	1.091
550	7.173	34.599	27.079	1.146
600	6.748	34.581	27.124	1.199
650	6.416	34.572	27.161	1.249
700	5.853	34.553	27.218	1.297
750	5.566	34.557	27.257	1.343
800	5.284	34.556	27.290	1.388
900	4.749	34.553	27.350	1.473
1000	4.245	34.557	27.408	1.552
1002	4.242	34.557	27.409	1.554

CAST GP1-98-KA-0161 DATE 21 FEB 98 TIME 1639 GMT
LAT 07 00.1S LONG 95 05.3W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 147 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 27.7 WET 25.0 DEPTH 3895 M

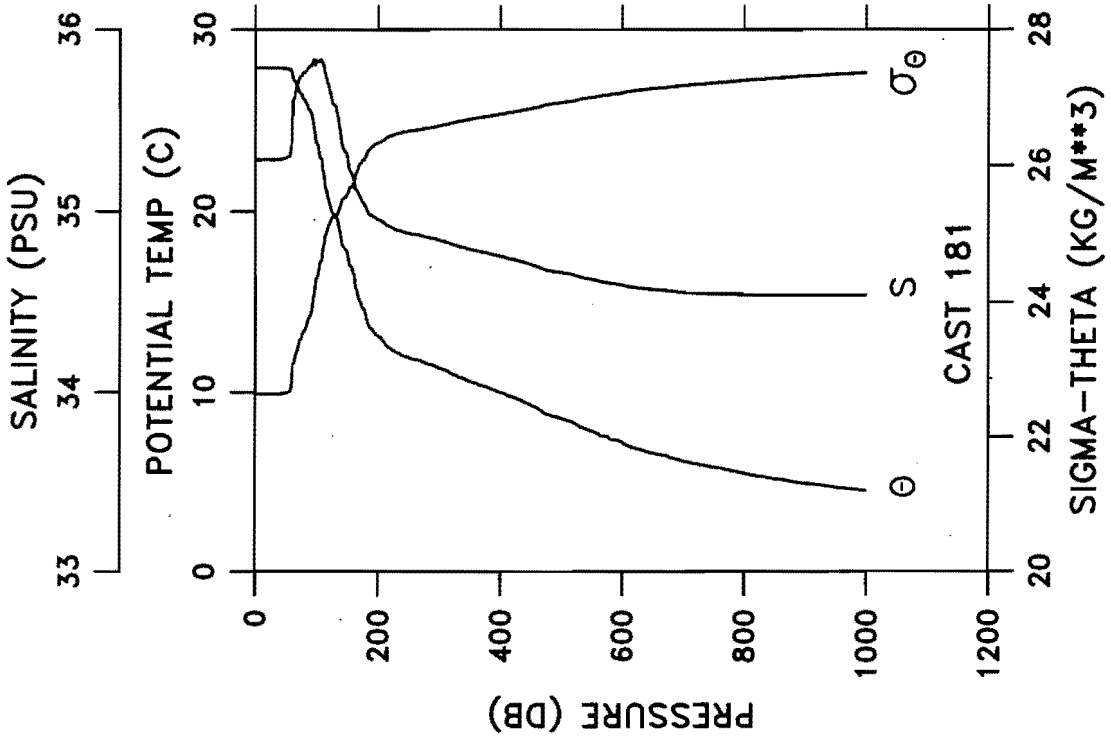
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.555	34.755	22.030	0.000
10	28.551	34.753	22.030	0.058
20	28.546	34.753	22.032	0.116
30	28.257	34.987	22.303	0.173
40	27.491	35.382	22.850	0.225
50	27.044	35.374	22.987	0.275
60	26.512	35.395	23.172	0.323
70	26.078	35.426	23.332	0.370
80	25.210	35.544	23.691	0.414
90	23.140	35.483	24.261	0.454
100	21.080	35.480	24.839	0.487
110	18.059	35.311	25.497	0.516
120	15.865	35.143	25.889	0.539
130	15.048	35.077	26.022	0.560
140	14.660	35.090	26.116	0.579
150	14.184	35.051	26.188	0.598
160	13.823	35.016	26.237	0.617
170	13.300	34.972	26.311	0.634
180	12.982	34.948	26.357	0.652
190	12.744	34.931	26.391	0.669
200	12.664	34.925	26.402	0.685
250	11.905	34.872	26.509	0.766
300	11.396	34.840	26.579	0.844
350	10.824	34.802	26.654	0.919
400	10.140	34.759	26.740	0.990
450	9.283	34.705	26.842	1.057
500	8.490	34.658	26.931	1.120
550	7.751	34.621	27.013	1.179
600	7.002	34.590	27.096	1.234
650	6.422	34.567	27.156	1.285
700	5.993	34.552	27.200	1.334
750	5.654	34.545	27.236	1.381
800	5.204	34.541	27.287	1.426
900	4.665	34.541	27.350	1.510
1000	4.244	34.550	27.402	1.590
1001	4.241	34.550	27.403	1.591





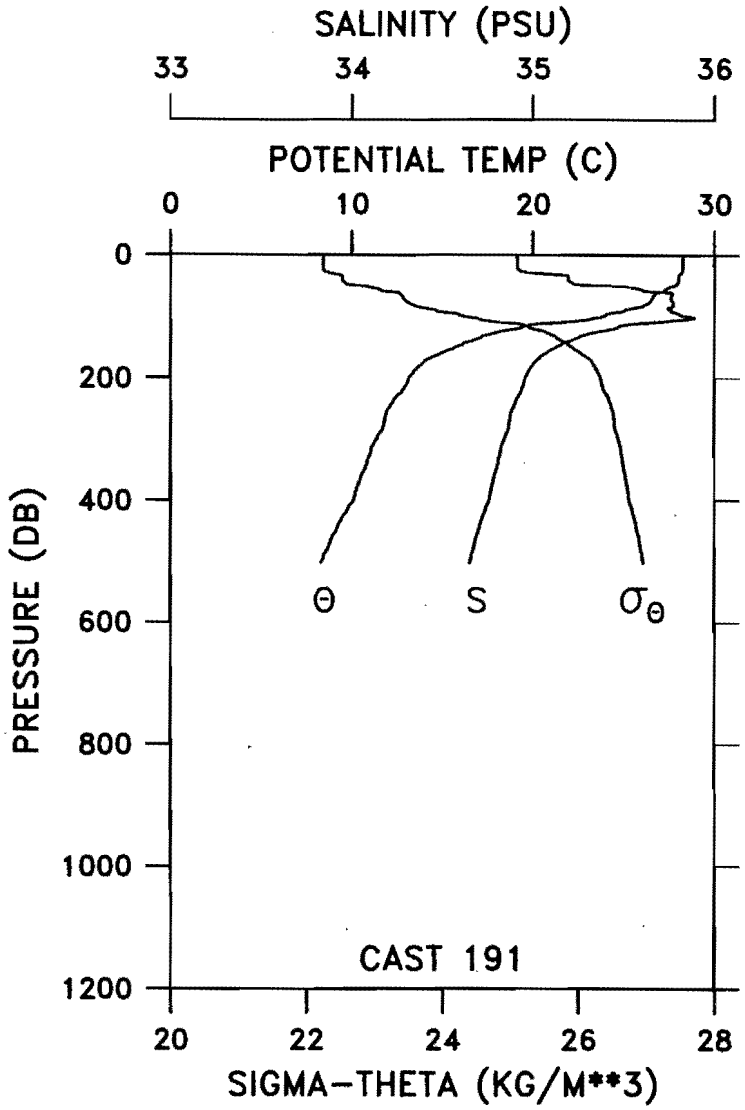
CAST GP1-98-KA-0171 DATE 22 FEB 98 TIME 0410 GMT
LAT 07 46.9S LONG 95 08.9W WEATHER 0 SEA STATE 3
BAROMETER 11 WIND DIR 162 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 27.0 WET 24.0 DEPTH 3834 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.355	34.745	22.088	0.000
10	28.372	34.742	22.081	0.057
20	28.370	34.743	22.082	0.115
30	28.372	34.744	22.083	0.172
40	27.586	35.346	22.792	0.227
50	26.935	35.410	23.050	0.276
60	26.535	35.451	23.207	0.324
70	26.169	35.422	23.301	0.370
80	25.749	35.406	23.420	0.416
90	24.689	35.440	23.770	0.460
100	22.230	35.331	24.406	0.499
110	19.435	35.302	25.141	0.532
120	16.681	35.156	25.710	0.557
130	15.486	35.115	25.953	0.579
140	14.656	35.046	26.084	0.599
150	14.286	35.022	26.144	0.618
160	13.997	35.002	26.190	0.637
170	13.723	34.985	26.234	0.656
180	13.458	34.972	26.279	0.674
190	13.160	34.952	26.324	0.692
200	12.964	34.945	26.358	0.709
250	12.297	34.897	26.453	0.792
300	11.776	34.865	26.527	0.873
350	11.253	34.829	26.597	0.950
400	10.339	34.770	26.715	1.024
450	9.545	34.720	26.810	1.092
500	8.837	34.675	26.890	1.157
550	8.166	34.638	26.965	1.218
600	7.426	34.603	27.046	1.275
650	6.900	34.582	27.104	1.329
700	6.432	34.566	27.154	1.381
750	5.974	34.553	27.203	1.430
800	5.559	34.544	27.247	1.478
900	4.885	34.541	27.325	1.566
1000	4.376	34.549	27.387	1.648
1008	4.338	34.549	27.392	1.654



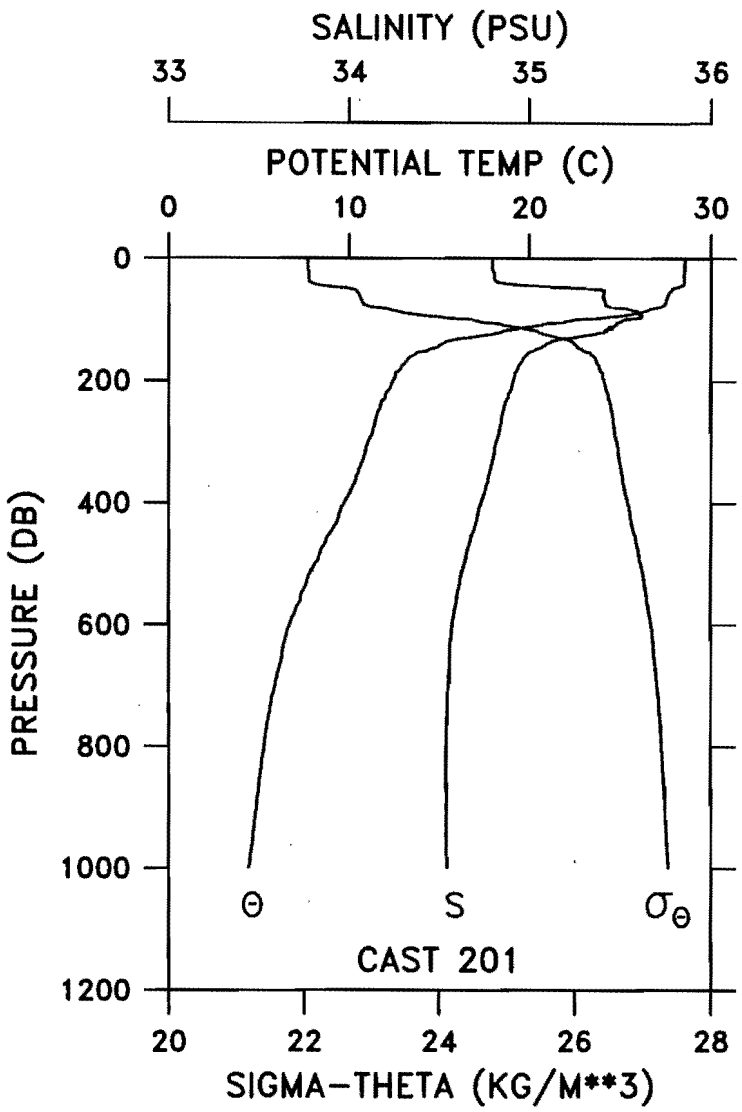
CAST GP1-98-KA-0181 DATE 26 FEB 98 TIME 0807 GMT
LAT 07 59.5S LONG 109 57.2W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 109 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 27.1 WET 24.5 DEPTH 3409 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.907	35.284	22.641	0.000
10	27.909	35.283	22.639	0.052
20	27.909	35.283	22.639	0.104
30	27.906	35.283	22.641	0.156
40	27.899	35.285	22.644	0.208
50	27.869	35.293	22.660	0.260
60	27.508	35.534	22.959	0.312
70	26.699	35.725	23.362	0.359
80	26.108	35.765	23.578	0.403
90	25.466	35.803	23.807	0.446
100	23.722	35.828	24.352	0.484
110	22.186	35.814	24.786	0.519
120	20.505	35.674	25.143	0.549
130	19.829	35.582	25.252	0.576
140	18.338	35.379	25.479	0.603
150	17.642	35.292	25.585	0.628
160	16.588	35.170	25.743	0.652
170	15.053	35.081	26.023	0.673
180	14.308	35.021	26.139	0.693
190	13.514	34.978	26.272	0.711
200	13.113	34.956	26.336	0.729
250	11.938	34.879	26.508	0.811
300	11.373	34.842	26.585	0.888
350	10.632	34.792	26.680	0.962
400	9.994	34.752	26.760	1.032
450	9.295	34.707	26.841	1.099
500	8.536	34.663	26.928	1.162
550	7.834	34.625	27.004	1.221
600	7.211	34.594	27.070	1.276
650	6.593	34.569	27.135	1.329
700	6.133	34.553	27.183	1.379
750	5.807	34.546	27.218	1.427
800	5.451	34.542	27.259	1.473
900	4.898	34.538	27.321	1.561
1000	4.508	34.539	27.366	1.644
1004	4.448	34.538	27.371	1.648



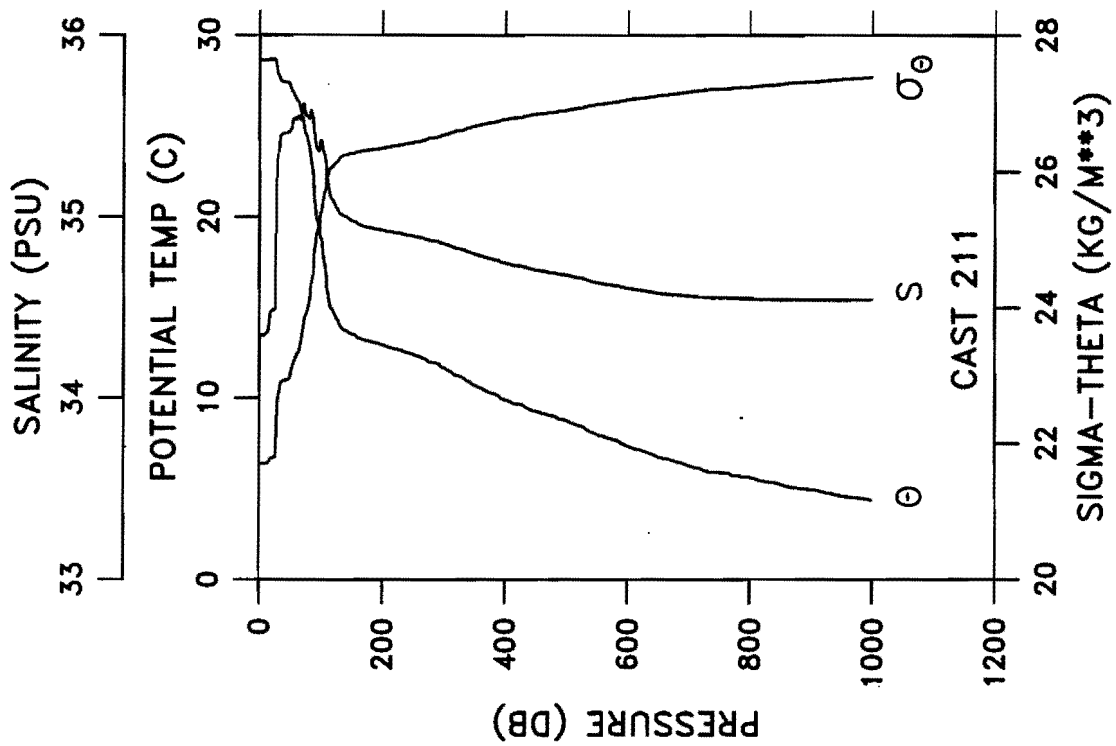
CAST GP1-98-KA-0191 DATE 26 FEB 98 TIME 1637 GMT
LAT 06 59.8S LONG 109 57.3W WEATHER 2 SEA STATE 4
BAROMETER 09 WIND DIR 108 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 8 DRY 27.4 WET 25.2 DEPTH 3440 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.264	34.912	22.244	0.000
10	28.255	34.914	22.249	0.056
20	28.261	34.914	22.246	0.112
30	28.164	35.054	22.384	0.167
40	28.039	35.196	22.531	0.221
50	27.758	35.416	22.789	0.273
60	26.976	35.730	23.277	0.322
70	26.578	35.761	23.428	0.367
80	26.220	35.774	23.551	0.411
90	25.016	35.765	23.917	0.453
100	23.825	35.864	24.349	0.492
110	21.046	35.618	24.953	0.525
120	19.064	35.441	25.343	0.553
130	17.419	35.280	25.629	0.578
140	16.554	35.199	25.773	0.601
150	15.698	35.126	25.914	0.623
160	14.897	35.070	26.049	0.644
170	14.138	35.024	26.177	0.663
180	13.772	34.995	26.232	0.682
190	13.434	34.973	26.285	0.700
200	13.155	34.956	26.328	0.718
250	12.032	34.887	26.496	0.801
300	11.364	34.841	26.585	0.879
350	10.701	34.796	26.671	0.953
400	10.084	34.757	26.748	1.024
450	9.140	34.698	26.860	1.090
500	8.329	34.652	26.951	1.151
502	8.289	34.648	26.954	1.153



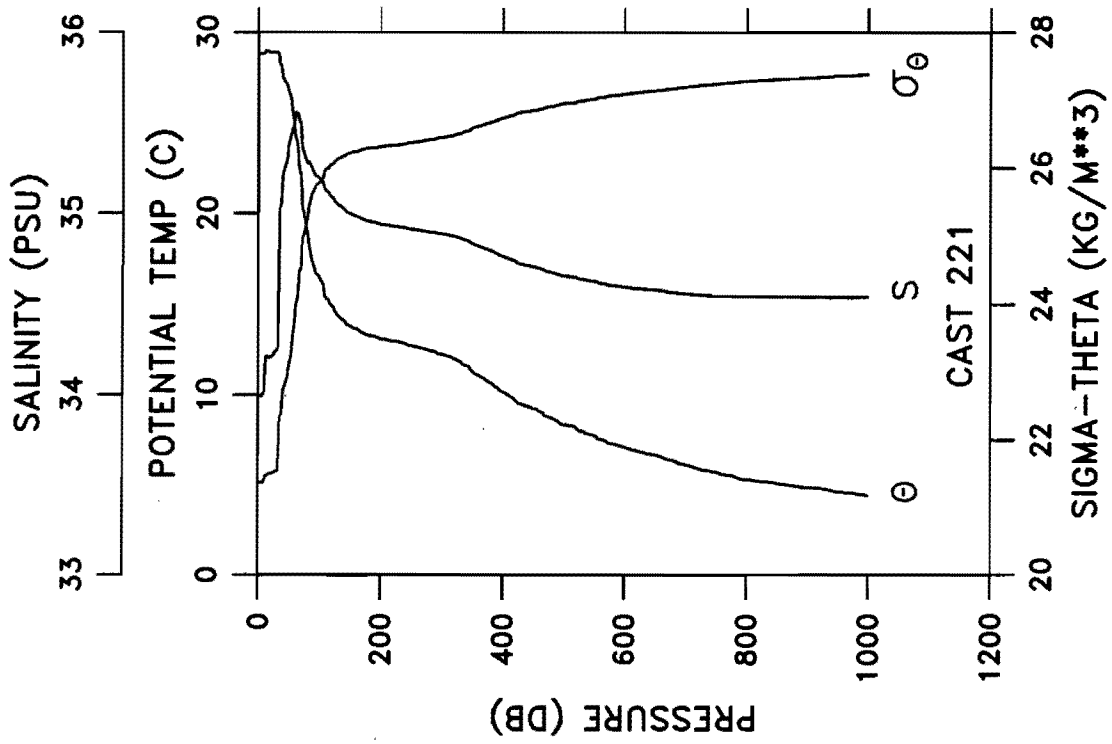
CAST GP1-98-KA-0201 DATE 27 FEB 98 TIME 0008 GMT
LAT 05 59.9S LONG 109 57.8W WEATHER 5 SEA STATE 4
BAROMETER 10 WIND DIR 161 T SPD 08 KT VISIBILITY 7
CLOUD 8 AMOUNT 8 DRY 26.5 WET 25.0 DEPTH 3512 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.575	34.799	22.056	0.000
10	28.580	34.797	22.054	0.058
20	28.567	34.801	22.061	0.115
30	28.545	34.808	22.073	0.173
40	28.540	34.849	22.106	0.230
50	27.900	35.356	22.697	0.285
60	27.648	35.409	22.819	0.336
70	27.547	35.419	22.859	0.387
80	27.082	35.480	23.055	0.436
90	25.871	35.607	23.533	0.482
100	22.472	35.526	24.486	0.522
110	20.316	35.468	25.036	0.554
120	18.483	35.414	25.470	0.581
130	16.415	35.209	25.813	0.605
140	15.150	35.091	26.010	0.626
150	14.394	35.028	26.126	0.646
160	13.441	34.977	26.286	0.665
170	13.144	34.955	26.330	0.682
180	12.864	34.937	26.372	0.699
190	12.565	34.920	26.418	0.716
200	12.433	34.912	26.438	0.732
250	11.611	34.857	26.552	0.812
300	11.058	34.820	26.625	0.887
350	10.509	34.783	26.695	0.960
400	9.745	34.735	26.789	1.029
450	8.937	34.687	26.883	1.094
500	8.123	34.642	26.975	1.154
550	7.326	34.602	27.060	1.211
600	6.675	34.574	27.128	1.263
650	6.261	34.561	27.172	1.313
700	5.865	34.552	27.216	1.361
750	5.501	34.546	27.256	1.408
800	5.263	34.542	27.281	1.452
900	4.859	34.543	27.329	1.538
1000	4.414	34.547	27.382	1.620
1004	4.404	34.547	27.383	1.624



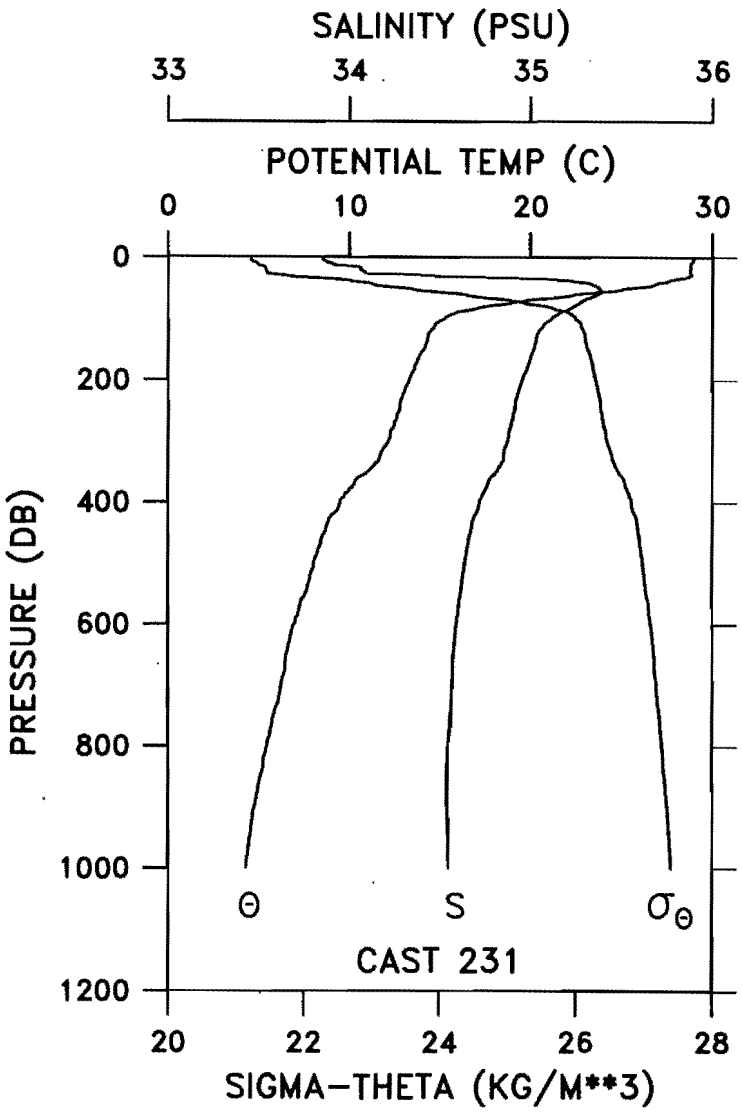
CAST GP1-98-KA-0211 DATE 27 FEB 98 TIME 0735 GMT
LAT 05 00.3S LONG 109 59.7W WEATHER 1 SEA STATE 3
BAROMETER 06 WIND DIR 102 T SPD 06 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 27.0 WET 25.7 DEPTH 3603 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.631	34.350	21.701	0.000
10	28.625	34.353	21.705	0.061
20	28.684	34.483	21.783	0.122
30	27.869	35.322	22.682	0.180
40	27.432	35.461	22.928	0.230
50	27.254	35.481	23.000	0.279
60	26.460	35.538	23.297	0.327
70	25.495	35.612	23.654	0.371
80	24.011	35.545	24.053	0.412
90	20.864	35.451	24.876	0.447
100	18.789	35.425	25.401	0.476
110	15.974	35.218	25.922	0.499
120	14.766	35.085	26.090	0.519
130	14.023	35.019	26.198	0.538
140	13.729	35.000	26.245	0.556
150	13.538	34.979	26.268	0.574
160	13.322	34.959	26.296	0.592
170	13.215	34.947	26.309	0.610
180	13.126	34.940	26.321	0.627
190	13.031	34.933	26.335	0.645
200	12.927	34.926	26.351	0.662
250	12.409	34.894	26.428	0.746
300	11.657	34.852	26.540	0.827
350	10.691	34.795	26.671	0.902
400	9.895	34.746	26.772	0.972
450	9.286	34.709	26.844	1.039
500	8.783	34.680	26.902	1.102
550	8.005	34.638	26.989	1.162
600	7.371	34.608	27.058	1.219
650	6.748	34.580	27.123	1.272
700	6.264	34.565	27.175	1.323
750	5.889	34.555	27.215	1.371
800	5.630	34.549	27.243	1.418
900	4.937	34.543	27.320	1.507
1000	4.348	34.547	27.389	1.589
1006	4.316	34.548	27.393	1.594



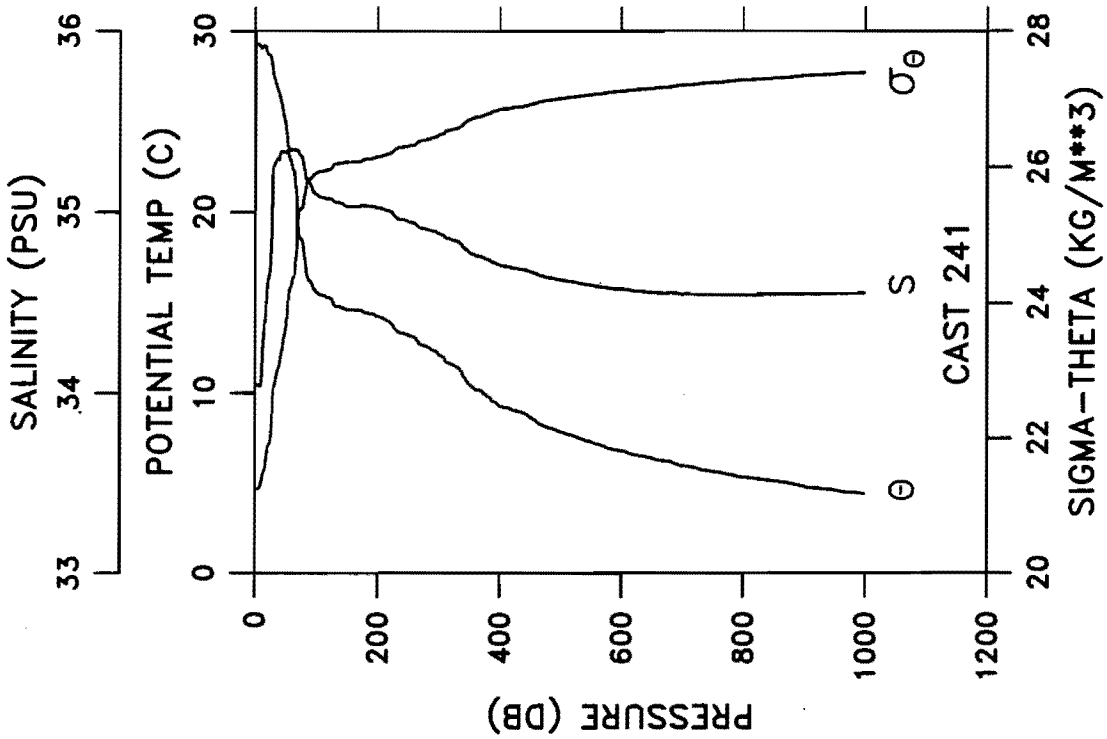
CAST GP1-98-KA-0221 DATE 27 FEB 98 TIME 1512 GMT
LAT 03 59.6S LONG 109 59.6W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 130 T SPD 08 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 27.0 WET 25.5 DEPTH 3609 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.800	33.995	21.379	0.000
10	28.873	34.066	21.408	0.064
20	28.892	34.210	21.509	0.127
30	28.871	34.247	21.544	0.190
40	27.508	35.203	22.709	0.247
50	26.701	35.380	23.101	0.297
60	24.461	35.527	23.904	0.342
70	22.018	35.464	24.567	0.379
80	18.945	35.279	25.250	0.408
90	17.154	35.232	25.657	0.433
100	16.429	35.191	25.797	0.456
110	15.394	35.127	25.984	0.477
120	14.947	35.090	26.054	0.497
130	14.390	35.048	26.142	0.517
140	14.117	35.021	26.180	0.536
150	13.814	34.998	26.226	0.554
160	13.664	34.984	26.246	0.572
170	13.450	34.968	26.278	0.590
180	13.309	34.957	26.297	0.608
190	13.266	34.949	26.300	0.626
200	13.108	34.937	26.323	0.643
250	12.725	34.911	26.379	0.730
300	12.253	34.886	26.452	0.814
350	11.306	34.834	26.591	0.894
400	10.172	34.762	26.737	0.967
450	9.256	34.707	26.848	1.034
500	8.362	34.657	26.950	1.096
550	7.769	34.627	27.016	1.154
600	7.112	34.597	27.086	1.209
650	6.675	34.583	27.135	1.261
700	6.125	34.561	27.190	1.311
750	5.729	34.550	27.231	1.359
800	5.315	34.546	27.278	1.404
900	4.863	34.542	27.328	1.491
1000	4.423	34.543	27.378	1.573
1006	4.396	34.543	27.381	1.578



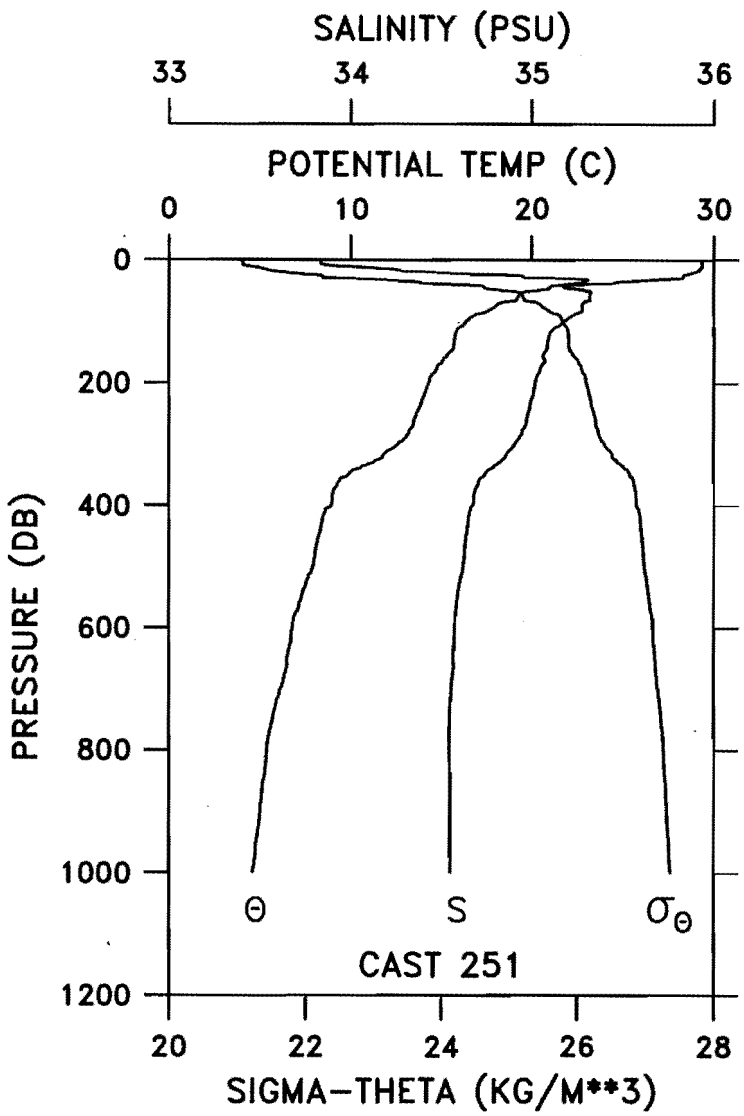
CAST GP1-98-KA-0231 DATE 27 FEB 98 TIME 2211 GMT
LAT 02 59.7S LONG 109 59.5W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 134 T SPD 02 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 28.4 WET 26.6 DEPTH 3773 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.969	33.857	21.219	0.000
10	28.827	33.899	21.298	0.065
20	28.790	34.062	21.432	0.130
30	28.760	34.432	21.720	0.193
40	27.510	35.256	22.749	0.248
50	25.633	35.374	23.432	0.296
60	22.598	35.373	24.334	0.337
70	19.751	35.294	25.052	0.371
80	17.579	35.242	25.562	0.398
90	15.936	35.165	25.890	0.421
100	15.301	35.119	25.998	0.441
110	14.766	35.073	26.080	0.461
120	14.495	35.048	26.119	0.481
130	14.349	35.034	26.140	0.500
140	14.260	35.029	26.155	0.519
150	14.127	35.019	26.176	0.538
160	13.881	35.004	26.216	0.556
170	13.743	34.995	26.238	0.575
180	13.608	34.983	26.256	0.593
190	13.444	34.966	26.277	0.611
200	13.307	34.954	26.296	0.629
250	12.756	34.914	26.376	0.715
300	12.165	34.876	26.461	0.799
350	11.019	34.812	26.626	0.878
400	9.487	34.720	26.820	0.947
450	8.642	34.671	26.918	1.009
500	8.031	34.639	26.986	1.069
550	7.549	34.616	27.039	1.125
600	6.958	34.592	27.104	1.179
650	6.493	34.575	27.153	1.231
700	6.230	34.570	27.184	1.280
750	5.804	34.560	27.230	1.328
800	5.433	34.548	27.266	1.374
900	4.742	34.544	27.343	1.461
1000	4.279	34.552	27.400	1.540
1005	4.247	34.551	27.403	1.544



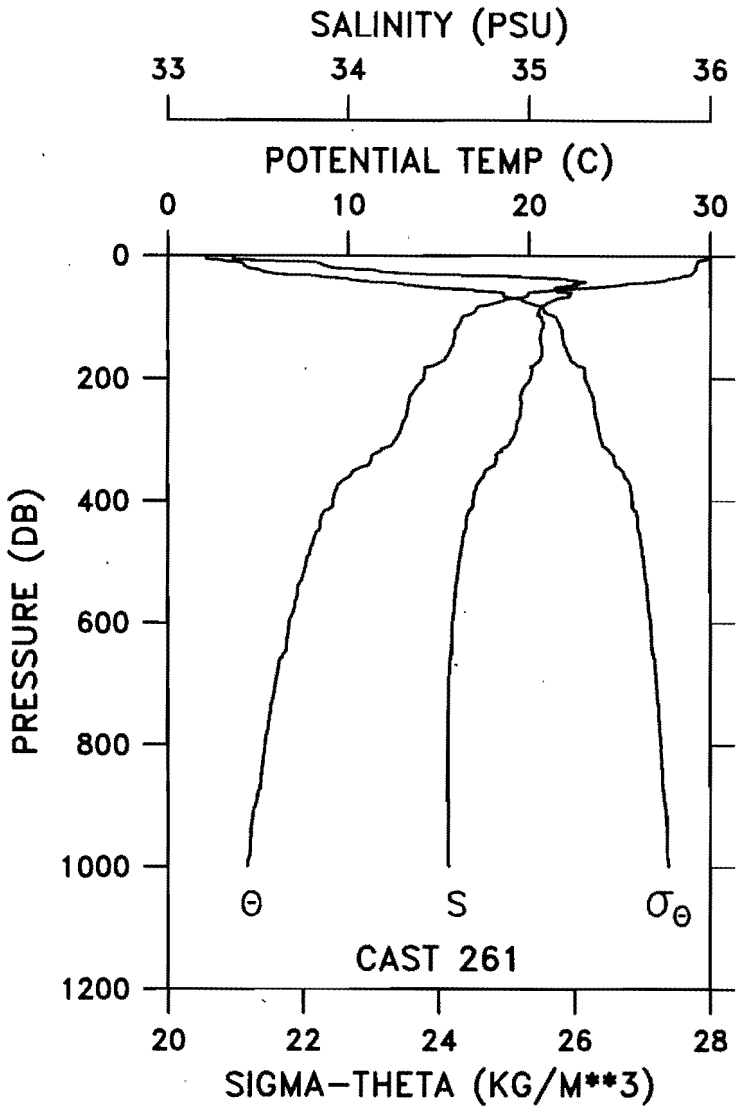
CAST GP1-98-KA-0241 DATE 28 FEB 98 TIME 0543 GMT
LAT 01 57.7S LONG 110 00.0W WEATHER 1 SEA STATE 2
BAROMETER 05 WIND DIR 215 T SPD 07 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.1 WET 25.6 DEPTH 3925 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.291	34.047	21.253	0.000
10	29.045	34.070	21.353	0.065
20	28.759	34.606	21.851	0.128
30	27.549	35.246	22.728	0.185
40	26.465	35.299	23.115	0.234
50	24.810	35.333	23.652	0.279
60	22.622	35.345	24.305	0.318
70	19.114	35.341	25.254	0.351
80	17.590	35.243	25.559	0.377
90	16.218	35.158	25.820	0.400
100	15.598	35.100	25.916	0.422
110	15.422	35.081	25.941	0.442
120	15.307	35.076	25.963	0.463
130	14.837	35.056	26.052	0.484
140	14.772	35.049	26.060	0.504
150	14.643	35.031	26.075	0.523
160	14.620	35.030	26.079	0.543
170	14.600	35.031	26.084	0.563
180	14.445	35.036	26.121	0.582
190	14.428	35.033	26.123	0.602
200	14.256	35.023	26.152	0.621
250	13.222	34.948	26.308	0.713
300	12.127	34.882	26.474	0.799
350	10.498	34.780	26.694	0.876
400	9.277	34.707	26.844	0.943
450	8.691	34.672	26.911	1.006
500	7.856	34.628	27.003	1.065
550	7.312	34.598	27.059	1.121
600	6.802	34.577	27.113	1.174
650	6.391	34.559	27.154	1.224
700	5.966	34.548	27.200	1.274
750	5.645	34.548	27.240	1.321
800	5.337	34.546	27.276	1.366
900	4.819	34.551	27.340	1.453
1000	4.415	34.555	27.388	1.534
1005	4.381	34.556	27.392	1.538



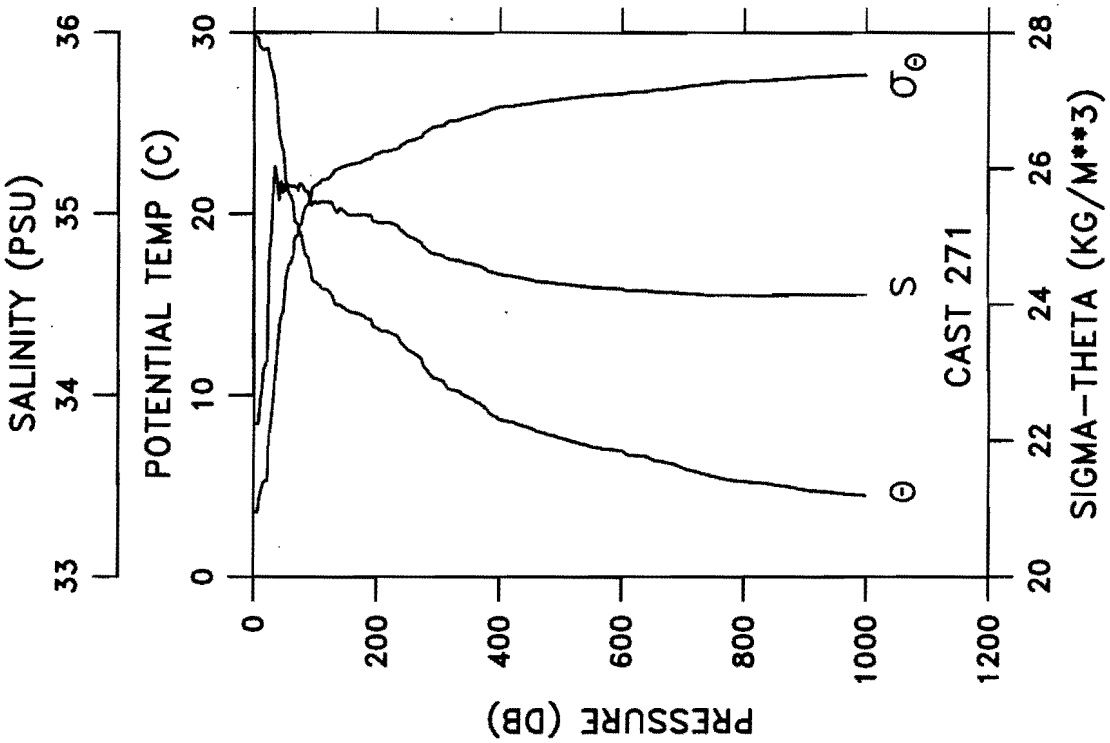
CAST GP1-98-KA-0251 DATE 28 FEB 98 TIME 1239 GMT
LAT 01 00.0S LONG 110 00.3W WEATHER 1 SEA STATE 2
BAROMETER 08 WIND DIR 093 T SPD 03 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.5 WET 26.0 DEPTH 3955 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.363	33.836	21.072	0.000
10	29.398	33.934	21.133	0.067
20	28.846	34.456	21.709	0.131
30	27.813	35.129	22.555	0.188
40	22.429	35.186	24.240	0.233
50	20.284	35.288	24.907	0.265
60	19.231	35.319	25.207	0.294
70	18.269	35.283	25.423	0.321
80	17.738	35.279	25.551	0.346
90	16.828	35.231	25.733	0.370
100	16.371	35.176	25.798	0.392
110	15.980	35.129	25.852	0.414
120	15.794	35.099	25.872	0.436
130	15.730	35.090	25.879	0.457
140	15.691	35.085	25.884	0.479
150	15.479	35.071	25.921	0.500
160	15.150	35.068	25.992	0.521
170	14.859	35.059	26.049	0.542
180	14.684	35.045	26.077	0.562
190	14.402	35.027	26.123	0.581
200	14.303	35.019	26.138	0.601
250	13.616	34.980	26.252	0.695
300	12.587	34.907	26.403	0.784
350	9.835	34.742	26.779	0.860
400	8.925	34.677	26.877	0.923
450	8.216	34.639	26.958	0.983
500	7.917	34.622	26.990	1.041
550	7.285	34.591	27.057	1.097
600	6.770	34.577	27.117	1.150
650	6.467	34.567	27.150	1.201
700	6.072	34.556	27.193	1.251
750	5.659	34.548	27.238	1.298
800	5.350	34.547	27.275	1.343
900	4.981	34.549	27.320	1.431
1000	4.528	34.551	27.373	1.514
1003	4.499	34.552	27.377	1.516



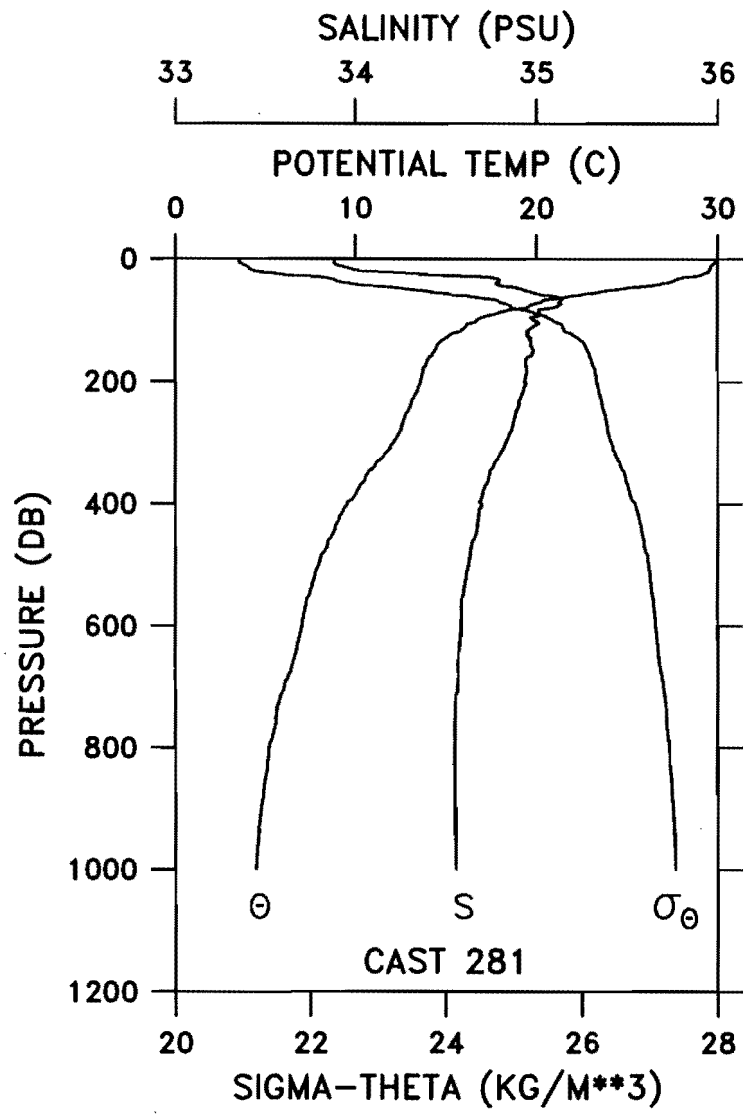
CAST GP1-98-KA-0261 DATE 01 MAR 98 TIME 0705 GMT
LAT 00 02.4N LONG 110 02.3W WEATHER 1 SEA STATE 2
BAROMETER 06 WIND DIR 093 T SPD 06 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 28.2 WET 26.2 DEPTH 3724 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.797	33.362	20.569	0.000
10	29.330	33.767	21.030	0.071
20	29.207	33.936	21.199	0.137
30	28.968	34.373	21.607	0.201
40	27.436	35.255	22.772	0.256
50	24.148	35.182	23.737	0.302
60	19.948	35.233	24.955	0.338
70	18.721	35.149	25.207	0.367
80	17.611	35.087	25.435	0.394
90	17.018	35.053	25.552	0.419
100	16.285	35.070	25.737	0.443
110	16.155	35.080	25.775	0.465
120	15.917	35.067	25.819	0.488
130	15.898	35.063	25.820	0.510
140	15.814	35.064	25.840	0.532
150	15.675	35.071	25.877	0.554
160	15.529	35.071	25.910	0.575
170	15.295	35.057	25.951	0.596
180	14.537	35.006	26.078	0.617
190	14.222	35.013	26.151	0.636
200	14.175	35.006	26.156	0.655
250	13.285	34.951	26.298	0.747
300	12.609	34.901	26.395	0.834
350	10.371	34.758	26.699	0.913
400	9.175	34.691	26.848	0.979
450	8.319	34.640	26.943	1.040
500	7.682	34.613	27.017	1.098
550	7.198	34.592	27.070	1.153
600	6.725	34.577	27.123	1.205
650	6.435	34.566	27.153	1.256
700	5.981	34.556	27.205	1.305
750	5.680	34.554	27.240	1.352
800	5.389	34.551	27.274	1.397
900	4.854	34.553	27.338	1.484
1000	4.445	34.558	27.387	1.565
1500	2.885	34.606	27.581	1.909
2000	2.134	34.641	27.673	2.188
2500	1.689	34.663	27.726	2.433
3000	1.480	34.675	27.751	2.665
3500	1.274	34.686	27.774	2.891
3511	1.274	34.685	27.774	2.896



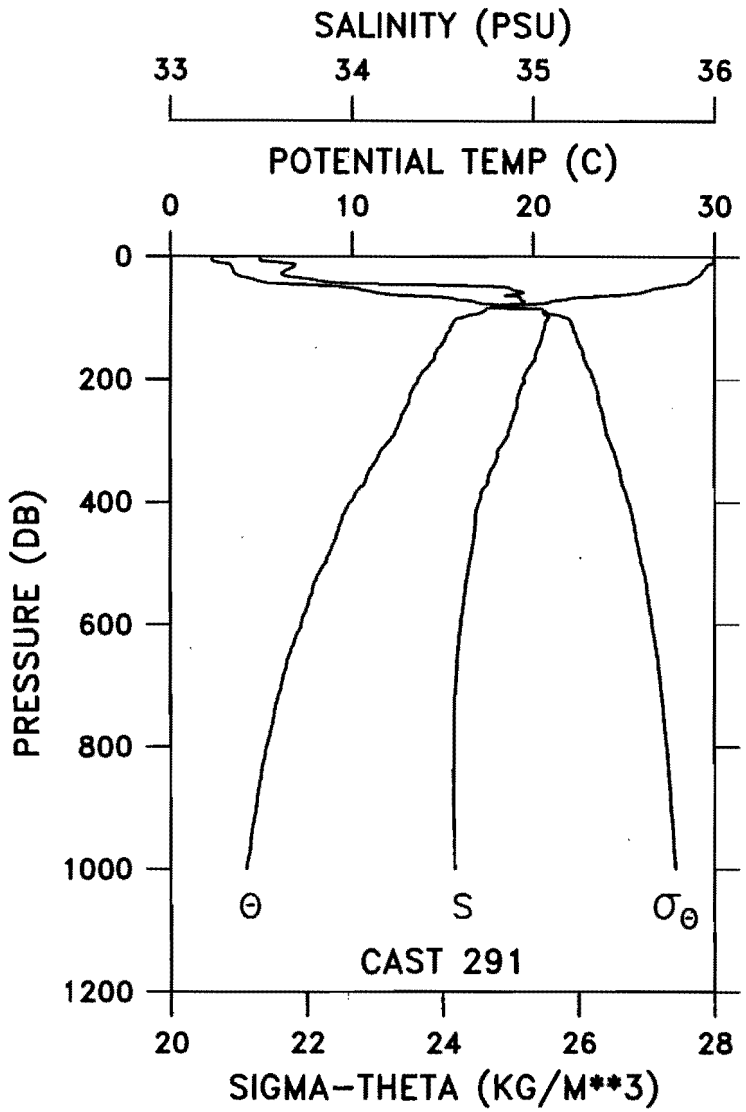
CAST GP1-98-KA-0271 DATE 02 MAR 98 TIME 1415 GMT
LAT 00 59.7N LONG 110 24.9W WEATHER 1 SEA STATE 2
BAROMETER 08 WIND DIR 169 T SPD 02 KT VISIBILITY 7
CLOUD 7 AMOUNT 3 DRY 29.5 WET 26.0 DEPTH 3761 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.736	33.846	20.953	0.000
10	29.169	33.931	21.207	0.068
20	29.121	34.179	21.410	0.132
30	27.859	35.011	22.451	0.191
40	24.813	35.104	23.478	0.240
50	22.713	35.125	24.112	0.281
60	21.024	35.153	24.605	0.316
70	19.491	35.145	25.007	0.347
80	18.197	35.151	25.340	0.375
90	17.209	35.095	25.538	0.401
100	16.224	35.066	25.748	0.425
110	15.855	35.069	25.835	0.447
120	15.770	35.068	25.853	0.469
130	15.200	35.033	25.954	0.490
140	14.948	35.029	26.007	0.511
150	14.707	35.002	26.039	0.531
160	14.562	34.992	26.062	0.551
170	14.475	34.994	26.082	0.571
180	14.331	34.995	26.114	0.590
190	14.171	34.990	26.144	0.610
200	13.707	34.955	26.214	0.628
250	12.520	34.878	26.394	0.718
300	10.874	34.775	26.623	0.797
350	9.898	34.724	26.754	0.868
400	8.664	34.666	26.910	0.933
450	8.206	34.636	26.957	0.993
500	7.643	34.612	27.022	1.050
550	7.178	34.593	27.074	1.105
600	6.943	34.585	27.100	1.158
650	6.478	34.572	27.152	1.209
700	6.000	34.560	27.205	1.258
750	5.535	34.552	27.257	1.304
800	5.272	34.551	27.287	1.349
900	4.794	34.552	27.344	1.434
1000	4.481	34.558	27.383	1.515
1004	4.468	34.558	27.385	1.518



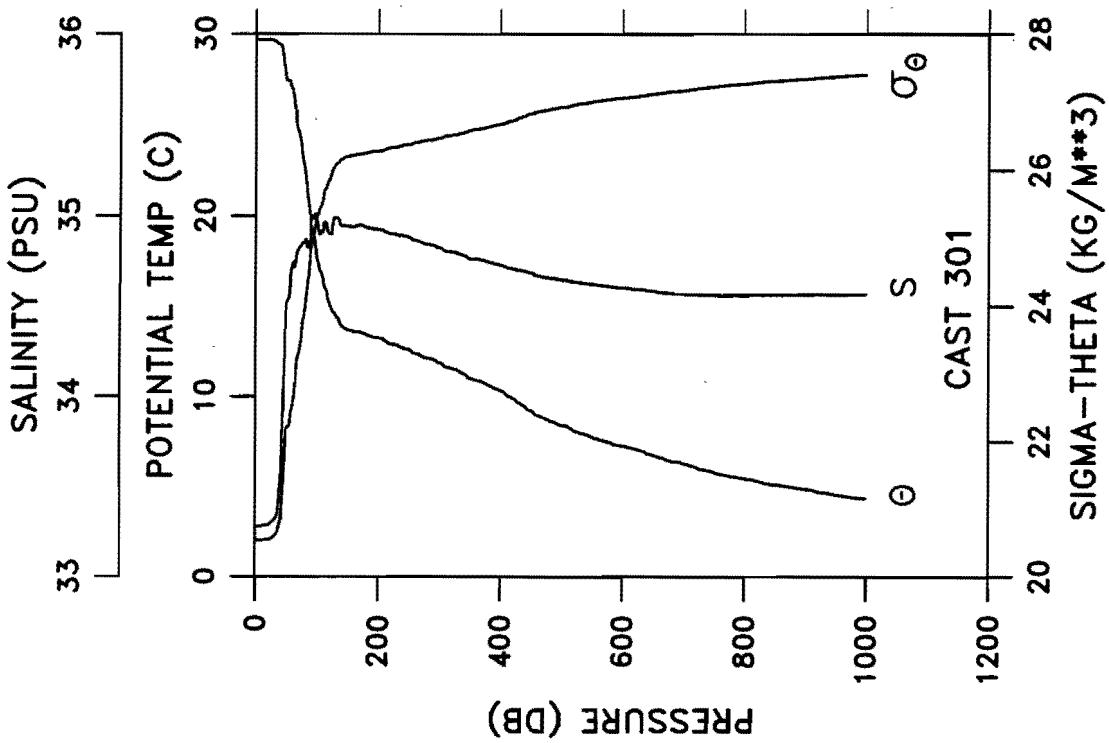
CAST GP1-98-KA-0281 DATE 03 MAR 98 TIME 0905 GMT
LAT 02 00.4N LONG 109 59.6W WEATHER 1 SEA STATE 2
BAROMETER 08 WIND DIR 327 T SPD 06 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.4 WET 26.3 DEPTH 3712 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.849	33.883	20.943	0.000
10	29.681	33.898	21.011	0.068
20	29.519	34.054	21.182	0.135
30	28.092	34.750	22.179	0.197
40	26.877	34.777	22.591	0.252
50	24.286	34.931	23.506	0.300
60	21.870	35.100	24.332	0.340
70	20.250	35.128	24.794	0.374
80	19.375	35.074	24.983	0.404
90	17.726	35.019	25.355	0.432
100	16.715	34.991	25.575	0.457
110	16.096	34.981	25.712	0.481
120	15.541	34.957	25.819	0.503
130	14.929	34.961	25.958	0.525
140	14.555	34.969	26.045	0.545
150	14.380	34.980	26.092	0.565
160	14.113	34.951	26.126	0.584
170	13.947	34.942	26.154	0.603
180	13.772	34.946	26.194	0.622
190	13.691	34.943	26.208	0.641
200	13.617	34.936	26.219	0.659
250	12.891	34.888	26.329	0.750
300	12.114	34.832	26.438	0.835
350	10.699	34.744	26.630	0.914
400	9.565	34.701	26.792	0.985
450	8.757	34.669	26.898	1.050
500	7.973	34.628	26.986	1.109
550	7.424	34.597	27.042	1.166
600	7.025	34.585	27.089	1.220
650	6.625	34.573	27.134	1.272
700	6.039	34.567	27.206	1.321
750	5.566	34.555	27.255	1.368
800	5.195	34.551	27.296	1.412
900	4.755	34.554	27.349	1.497
1000	4.458	34.560	27.387	1.577
1500	2.964	34.609	27.576	1.922
2000	2.125	34.642	27.675	2.202
2500	1.642	34.667	27.733	2.447
3000	1.469	34.674	27.751	2.677
3500	1.248	34.687	27.777	2.900
3512	1.248	34.687	27.777	2.906



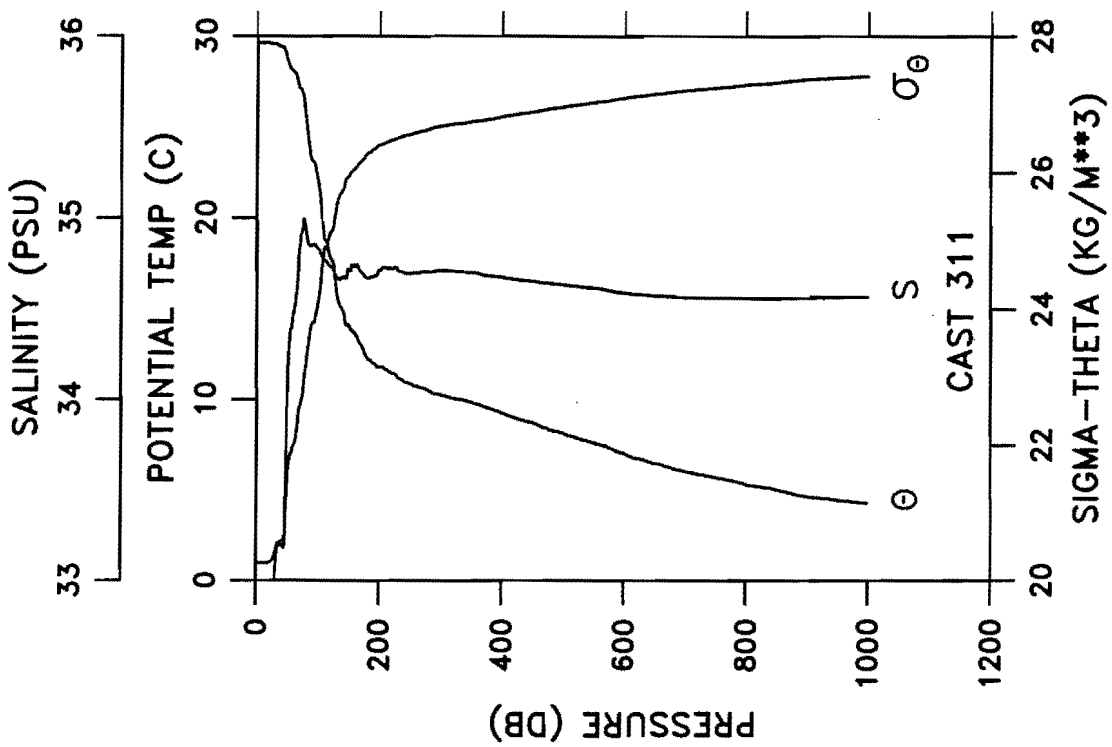
CAST GP1-98-KA-0291 DATE 04 MAR 98 TIME 0339 GMT
LAT 02 59.8N LONG 110 05.0W WEATHER 5 SEA STATE 3
BAROMETER 07 WIND DIR 040 T SPD 10 KT VISIBILITY 7
CLOUD 7 AMOUNT 8 DRY 27.6 WET 26.0 DEPTH 3925 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.978	33.493	20.607	0.000
10	29.908	33.608	20.717	0.071
20	29.443	33.656	20.909	0.140
30	29.159	33.616	20.975	0.209
40	28.688	33.835	21.296	0.275
50	27.147	34.861	22.568	0.335
60	25.418	34.908	23.146	0.385
70	21.754	34.934	24.238	0.426
80	18.526	34.799	24.988	0.460
90	17.186	35.062	25.518	0.487
100	15.834	35.080	25.848	0.510
110	15.555	35.063	25.898	0.532
120	15.402	35.058	25.929	0.553
130	15.181	35.047	25.969	0.574
140	15.023	35.039	25.998	0.594
150	14.719	35.021	26.051	0.614
160	14.582	35.012	26.073	0.634
170	14.406	35.001	26.102	0.654
180	14.176	34.978	26.134	0.673
190	13.826	34.957	26.191	0.692
200	13.638	34.948	26.223	0.711
250	12.911	34.904	26.337	0.801
300	12.068	34.840	26.453	0.886
350	10.919	34.762	26.605	0.964
400	9.877	34.702	26.741	1.037
450	9.168	34.676	26.838	1.104
500	8.488	34.647	26.922	1.167
550	7.788	34.624	27.010	1.226
600	7.186	34.601	27.079	1.281
650	6.523	34.583	27.155	1.333
700	6.071	34.574	27.207	1.382
750	5.673	34.567	27.252	1.428
800	5.274	34.565	27.299	1.473
900	4.705	34.562	27.362	1.556
1000	4.165	34.570	27.427	1.634
1005	4.129	34.570	27.430	1.638



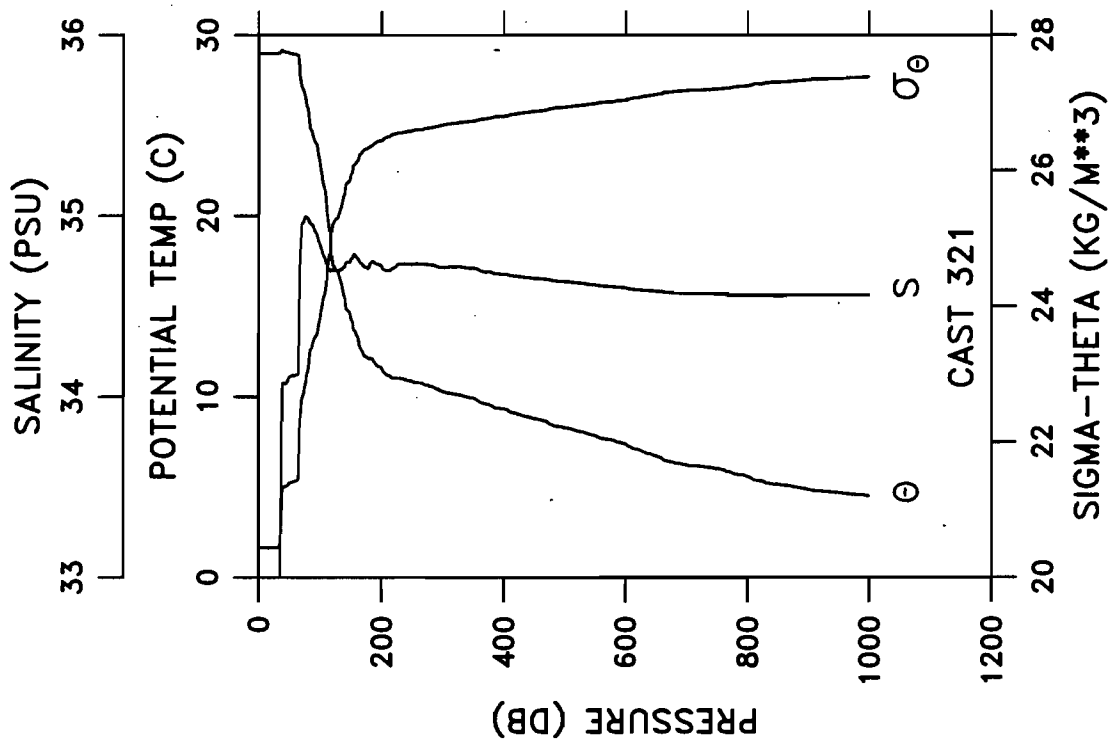
CAST GP1-98-KA-0301 DATE 04 MAR 98 TIME 1204 GMT
LAT 03 59.8N LONG 109 58.6W WEATHER 0 SEA STATE 2
BAROMETER 05 WIND DIR 340 T SPD 06 KT VISIBILITY 7
CLOUD 7 AMOUNT 3 DRY 27.5 WET 25.8 DEPTH 3864 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.702	33.281	20.541	0.000
10	29.702	33.282	20.542	0.072
20	29.698	33.287	20.547	0.144
30	29.628	33.313	20.590	0.216
40	29.434	33.514	20.806	0.287
50	27.509	34.497	22.178	0.351
60	26.958	34.734	22.533	0.407
70	24.662	34.818	23.307	0.456
80	22.549	34.865	23.962	0.499
90	19.432	34.976	24.893	0.535
100	17.626	34.971	25.343	0.563
110	16.401	34.917	25.592	0.589
120	15.166	34.901	25.860	0.612
130	14.452	34.991	26.085	0.632
140	13.896	34.943	26.165	0.651
150	13.701	34.941	26.204	0.670
160	13.592	34.937	26.225	0.688
170	13.578	34.950	26.237	0.707
180	13.418	34.934	26.258	0.725
190	13.302	34.928	26.277	0.743
200	13.251	34.925	26.284	0.761
250	12.602	34.883	26.382	0.848
300	11.869	34.825	26.478	0.931
350	11.010	34.763	26.589	1.010
400	10.325	34.730	26.685	1.084
450	9.222	34.686	26.837	1.153
500	8.418	34.648	26.934	1.215
550	7.781	34.624	27.012	1.274
600	7.271	34.605	27.070	1.329
650	6.741	34.584	27.127	1.382
700	6.260	34.569	27.179	1.433
750	5.798	34.562	27.232	1.481
800	5.430	34.560	27.276	1.526
900	4.845	34.565	27.349	1.612
1000	4.325	34.568	27.408	1.691
1004	4.304	34.568	27.411	1.694



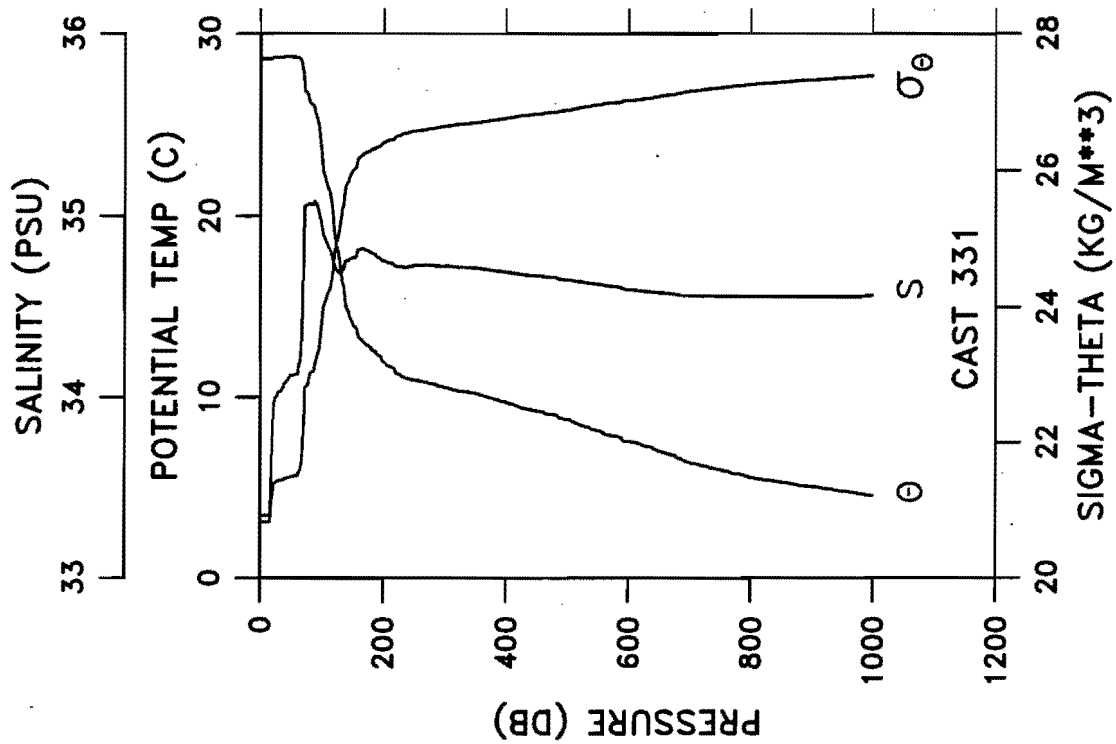
CAST GP1-98-KA-0311 DATE 05 MAR 98 TIME 0132 GMT
LAT 04 58.0N LONG 109 59.3W WEATHER 1 SEA STATE 2
BAROMETER 07 WIND DIR 013 T SPD 13 KT VISIBILITY 7
CLOUD 6 AMOUNT 2 DRY 28.2 WET 25.0 DEPTH 3906 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.631	32.876	20.262	0.000
10	29.629	32.874	20.261	0.075
20	29.628	32.875	20.262	0.150
30	29.580	33.011	20.380	0.224
40	29.406	33.198	20.579	0.297
50	28.607	33.974	21.427	0.367
60	28.034	34.477	21.993	0.427
70	27.116	34.841	22.563	0.483
80	25.447	34.937	23.159	0.534
90	23.119	34.852	23.788	0.578
100	22.002	34.829	24.089	0.618
110	18.865	34.769	24.880	0.653
120	17.791	34.732	25.119	0.683
130	15.836	34.670	25.532	0.710
140	14.899	34.673	25.743	0.734
150	14.076	34.713	25.950	0.756
160	13.596	34.732	26.065	0.776
170	13.015	34.702	26.160	0.795
180	12.249	34.670	26.286	0.814
190	11.980	34.679	26.345	0.831
200	11.790	34.714	26.407	0.848
250	10.879	34.696	26.561	0.927
300	10.266	34.712	26.682	1.001
350	9.855	34.700	26.743	1.071
400	9.285	34.677	26.820	1.138
450	8.765	34.654	26.885	1.201
500	8.175	34.634	26.961	1.262
550	7.650	34.616	27.024	1.319
600	7.047	34.589	27.089	1.374
650	6.493	34.575	27.153	1.426
700	6.059	34.567	27.203	1.475
750	5.719	34.562	27.242	1.522
800	5.327	34.561	27.289	1.567
900	4.664	34.563	27.367	1.651
1000	4.299	34.569	27.412	1.729
1006	4.283	34.569	27.413	1.734



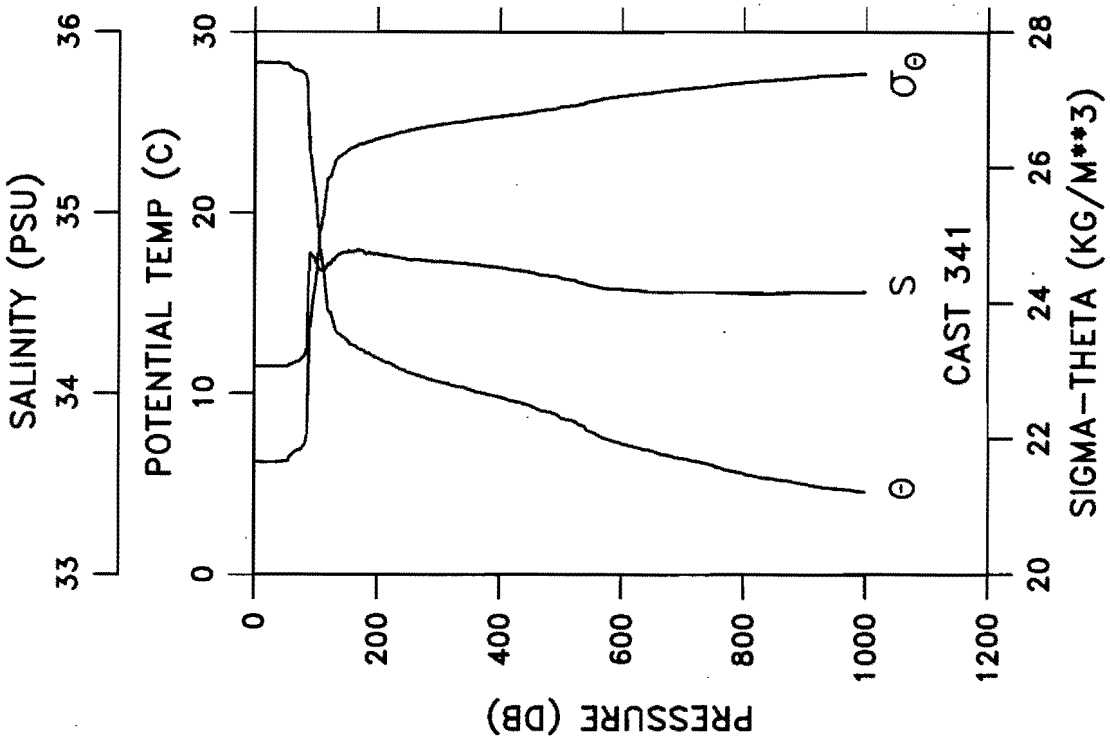
CAST GP1-98-KA-0321 DATE 05 MAR 98 TIME 0953 GMT
LAT 06 00.3N LONG 110 02.1W WEATHER 1 SEA STATE 2
BAROMETER 08 WIND DIR 010 T SPD 12 KT VISIBILITY 7
CLOUD 6 AMOUNT 2 DRY 27.4 WET 24.8 DEPTH 3500 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.989	32.829	20.441	0.000
10	28.988	32.826	20.439	0.073
20	28.994	32.826	20.437	0.146
30	28.999	32.831	20.439	0.219
40	29.115	34.074	21.333	0.290
50	29.004	34.112	21.399	0.354
60	28.939	34.122	21.427	0.418
70	27.132	34.950	22.640	0.478
80	25.930	34.984	23.045	0.529
90	24.269	34.928	23.509	0.575
100	22.917	34.837	23.836	0.618
110	20.786	34.732	24.349	0.656
120	17.499	34.699	25.165	0.688
130	16.728	34.697	25.347	0.715
140	15.438	34.717	25.658	0.741
150	14.337	34.760	25.931	0.763
160	13.352	34.768	26.142	0.783
170	12.422	34.725	26.295	0.801
180	12.119	34.722	26.351	0.818
190	11.834	34.736	26.416	0.835
200	11.606	34.722	26.448	0.851
250	10.871	34.733	26.592	0.928
300	10.305	34.715	26.677	1.001
350	9.939	34.712	26.738	1.071
400	9.349	34.677	26.809	1.138
450	8.810	34.655	26.879	1.203
500	8.309	34.637	26.943	1.264
550	7.882	34.619	26.992	1.323
600	7.416	34.602	27.047	1.380
650	6.740	34.583	27.126	1.433
700	6.236	34.572	27.185	1.483
750	6.034	34.569	27.208	1.531
800	5.603	34.561	27.255	1.578
900	4.880	34.560	27.340	1.665
1000	4.516	34.563	27.384	1.746
1004	4.502	34.565	27.387	1.749



CAST GP1-98-KA-0331 DATE 05 MAR 98 TIME 1726 GMT
LAT 07 00.3N LONG 110 05.8W WEATHER 0 SEA STATE 2
BAROMETER 11 WIND DIR 008 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 1 DRY 27.8 WET 24.0 DEPTH 3712 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.612	33.311	20.927	0.000
10	28.609	33.310	20.927	0.068
20	28.672	33.795	21.271	0.136
30	28.704	34.033	21.439	0.200
40	28.732	34.084	21.468	0.264
50	28.737	34.124	21.496	0.327
60	28.704	34.129	21.511	0.390
70	27.885	34.667	22.184	0.451
80	26.250	35.069	23.009	0.502
90	25.587	35.071	23.217	0.550
100	23.290	34.943	23.808	0.595
110	21.564	34.834	24.215	0.634
120	19.179	34.731	24.771	0.670
130	17.203	34.691	25.229	0.700
140	14.940	34.757	25.798	0.724
150	14.112	34.770	25.987	0.746
160	13.315	34.817	26.188	0.766
170	12.977	34.815	26.255	0.784
180	12.665	34.798	26.304	0.802
190	12.362	34.775	26.345	0.819
200	11.985	34.755	26.402	0.836
250	10.960	34.730	26.573	0.915
300	10.552	34.725	26.642	0.990
350	10.229	34.717	26.692	1.062
400	9.734	34.694	26.758	1.131
450	9.253	34.673	26.822	1.198
500	8.767	34.652	26.883	1.262
550	8.153	34.628	26.959	1.324
600	7.552	34.597	27.023	1.382
650	7.031	34.580	27.084	1.437
700	6.395	34.565	27.158	1.490
750	5.995	34.562	27.207	1.539
800	5.544	34.559	27.261	1.585
900	5.056	34.558	27.319	1.674
1000	4.537	34.564	27.382	1.756
1004	4.504	34.564	27.386	1.760



CAST GP1-98-KA-0341 DATE 06 MAR 98 TIME 0812 GMT
LAT 08 07.3N LONG 110 15.0W WEATHER 0 SEA STATE 2
BAROMETER 10 WIND DIR 010 T SPD 17 KT VISIBILITY 7
CLOUD 8 AMOUNT 1 DRY 26.6 WET 23.1 DEPTH 4077 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.298	34.152	21.662	0.000
10	28.311	34.150	21.656	0.061
20	28.310	34.150	21.657	0.123
30	28.307	34.150	21.658	0.184
40	28.283	34.150	21.665	0.246
50	28.267	34.150	21.670	0.307
60	28.036	34.163	21.756	0.369
70	27.843	34.179	21.831	0.429
80	27.700	34.206	21.897	0.489
90	23.485	34.767	23.618	0.544
100	20.818	34.723	24.334	0.583
110	17.331	34.678	25.189	0.614
120	14.574	34.718	25.848	0.639
130	13.777	34.737	26.031	0.661
140	13.252	34.770	26.164	0.680
150	12.963	34.782	26.232	0.698
160	12.679	34.784	26.290	0.716
170	12.457	34.794	26.341	0.733
180	12.279	34.772	26.359	0.751
190	12.127	34.773	26.389	0.768
200	11.962	34.771	26.419	0.784
250	11.159	34.740	26.544	0.864
300	10.645	34.729	26.628	0.939
350	10.218	34.715	26.692	1.012
400	9.790	34.696	26.751	1.082
450	9.323	34.672	26.809	1.149
500	8.648	34.638	26.891	1.214
550	7.877	34.596	26.975	1.275
600	7.237	34.576	27.052	1.332
650	6.820	34.565	27.101	1.385
700	6.396	34.564	27.157	1.437
750	6.036	34.564	27.204	1.486
800	5.581	34.557	27.255	1.533
900	4.989	34.558	27.327	1.621
1000	4.554	34.564	27.380	1.703
1007	4.540	34.564	27.382	1.709

CAST GP1-98-KA-0011 LAT 08 01.7N LONG 95 01.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.577	33.021	28.577	20.721
11.	28.580	33.020	28.578	20.720
26.	28.581	33.031	28.575	20.729
41.	28.563	33.118	28.553	20.805
60.	28.312	33.412	28.298	21.107
101.	19.479	34.745	19.460	24.709
151.	14.356	34.853	14.334	26.022
201.	13.108	34.842	13.080	26.253
502.	8.691	34.634	8.637	26.889
1502.	2.967	34.620	2.860	27.589
2997.	1.817	34.669	1.594	27.739
3503.	1.836	34.670	1.561	27.743

CAST GP1-98-KA-0021 LAT 06 59.8N LONG 94 57.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1.	28.757	33.244	28.757	20.830
11.	28.767	33.248	28.764	20.830
26.	28.702	33.305	28.696	20.895
42.	28.665	33.319	28.655	20.918
61.	24.514	34.442	24.501	23.067
101.	16.384	34.824	16.368	25.532
151.	13.248	34.813	13.227	26.205
200.	12.483	34.820	12.456	26.363
400.	9.791	34.691	9.745	26.755
602.	7.185	34.591	7.127	27.080
800.	5.633	34.570	5.564	27.267
1004.	4.570	34.576	4.490	27.396

CAST GP1-98-KA-0031 LAT 05 59.9N LONG 94 55.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.884	33.651	28.883	21.093
25.	28.853	33.754	28.847	21.183
40.	28.800	33.757	28.791	21.202
61.	23.647	34.507	23.635	23.386
100.	14.679	34.695	14.665	25.804
150.	13.571	34.891	13.550	26.199
199.	12.774	34.841	12.747	26.321
400.	9.593	34.685	9.547	26.783
601.	6.950	34.588	6.893	27.110
800.	5.441	34.570	5.372	27.289
1001.	4.417	34.574	4.337	27.410

CAST GP1-98-KA-0041 LAT 05 01.9N LONG 94 58.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.607	33.317	29.606	20.600
10.	29.611	33.315	29.608	20.599
25.	29.551	33.314	29.545	20.618
40.	29.522	33.314	29.512	20.630
61.	28.082	34.562	28.068	21.975
101.	16.780	34.790	16.764	25.403
150.	14.021	34.918	14.000	26.127
200.	13.219	34.898	13.191	26.278
400.	9.392	34.690	9.347	26.819
601.	6.872	34.584	6.815	27.118
800.	5.358	34.565	5.290	27.298
1002.	4.477	34.571	4.398	27.403

CAST GP1-98-KA-0051 LAT 04 00.4N LONG 94 58.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
99.	18.272	34.934	18.255	25.142
151.	14.333	34.930	14.311	26.067
201.	13.356	34.895	13.328	26.248
400.	9.422	34.677	9.377	26.805
601.	6.594	34.583	6.538	27.153
800.	5.306	34.559	5.238	27.297
845.	5.054	34.560	4.984	27.328

CAST GP1-98-KA-0061 LAT 02 59.8N LONG 94 58.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
9.	29.895	34.589	29.893	19.980
24.	29.650	33.230	29.644	20.528
40.	28.322	34.273	28.312	21.756
60.	22.743	34.825	22.731	23.881
100.	17.001	35.012	16.985	25.527
150.	14.357	34.949	14.335	26.079
200.	13.138	34.891	13.110	26.288
401.	8.631	34.656	8.588	26.915
600.	6.703	34.586	6.647	27.142
798.	5.276	34.556	5.209	27.300
1005.	4.573	34.565	4.492	27.389

CAST GP1-98-KA-0071 LAT 01 58.4N LONG 95 01.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	29.576	33.125	29.576	20.467
10.	29.486	33.154	29.483	20.533
25.	28.218	34.479	28.212	21.929
41.	26.717	34.787	26.708	22.644
60.	23.447	34.900	23.435	23.708
100.	17.490	35.072	17.473	25.446
151.	14.497	34.956	14.475	26.053
201.	13.216	34.898	13.188	26.277
400.	8.681	34.661	8.638	26.910
601.	6.853	34.578	6.797	27.115
801.	5.433	34.556	5.365	27.280
1005.	4.520	34.567	4.440	27.394

CAST GP1-98-KA-0081 LAT 01 00.5N LONG 94 58.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.273	33.645	29.272	20.958
10.	29.236	33.770	29.234	21.045
25.	28.490	34.922	28.484	22.195
41.	26.545	35.035	26.535	22.883
59.	22.794	35.079	22.782	24.053
150.	14.178	34.962	14.156	26.125
199.	13.423	34.922	13.395	26.254
401.	8.262	34.639	8.220	26.956
599.	6.559	34.570	6.503	27.147
801.	5.367	34.557	5.299	27.288
1004.	4.591	34.567	4.511	27.387

CAST GP1-98-KA-0091 LAT 00 06.7N LONG 94 55.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.545	33.490	29.545	20.747
10.	29.413	33.721	29.411	20.869
26.	27.270	35.187	27.264	22.775
41.	25.946	35.119	25.937	23.144
60.	22.255	35.057	22.243	24.194
101.	16.627	35.084	16.611	25.672
201.	12.768	34.893	12.741	26.365
400.	8.277	34.640	8.235	26.956
601.	6.947	34.584	6.890	27.107
801.	5.496	34.554	5.427	27.270
1002.	4.629	34.561	4.548	27.377

CAST GP1-98-KA-0101 LAT 00 59.9S LONG 95 09.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	29.647	33.253	29.646	20.537
3.	29.644	33.499	29.643	20.538
10.	29.513	34.966	29.510	20.793
29.	27.514	35.060	27.507	22.584
44.	24.889	35.313	24.879	23.424
84.	18.357	35.121	18.343	25.287
121.	15.566	35.040	15.547	25.892
167.	13.599	34.940	13.576	26.249
563.	7.023	34.574	6.969	27.091
764.	5.717	34.547	5.650	27.239
964.	4.824	34.557	4.745	27.351

CAST GP1-98-KA-0111 LAT 01 56.7S LONG 95 01.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.694	33.519	29.693	20.214
10.	29.892	33.521	29.890	20.410
25.	28.335	34.843	28.329	21.940
40.	27.020	35.030	27.011	22.755
61.	23.116	35.294	23.103	23.965
100.	17.693	35.158	17.676	25.491
151.	15.952	35.050	15.928	25.834
200.	13.897	34.971	13.868	26.205
399.	8.782	34.691	8.739	26.899
601.	6.815	34.585	6.759	27.114
801.	5.393	34.562	5.325	27.280
1001.	4.519	34.564	4.439	27.386

CAST GP1-98-KA-0121 LAT 03 00.0S LONG 95 04.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	29.650	33.795	29.650	20.737
10.	29.665	33.787	29.663	20.735
42.	27.511	34.932	27.501	22.583
61.	25.974	35.296	25.961	23.234
100.	16.679	35.234	16.663	25.717
152.	14.739	34.995	14.716	26.074
201.	13.583	34.945	13.555	26.255
399.	9.106	34.716	9.063	26.866
603.	6.725	34.586	6.668	27.136
801.	5.324	34.555	5.256	27.298
1002.	4.512	34.565	4.432	27.393

CAST GP1-98-KA-0141 LAT 04 57.0S LONG 95 12.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	29.511	34.002	29.510	21.156
10.	29.644	34.166	29.642	21.225
25.	29.302	34.350	29.296	21.506
41.	27.346	35.314	27.336	22.859
59.	26.697	35.334	26.683	23.074
100.	17.784	35.244	17.767	25.510
149.	14.141	35.007	14.120	26.169
201.	13.207	34.938	13.179	26.313
500.	7.987	34.631	7.936	26.994
1502.	2.958	34.606	2.850	27.585
3003.	1.749	34.677	1.526	27.750
3508.	1.779	34.676	1.505	27.752

CAST GP1-98-KA-0151 LAT 06 00.0S LONG 95 05.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.229	33.894	29.229	21.195
10.	29.333	34.130	29.330	21.303
26.	28.623	34.633	28.617	22.067
40.	27.462	35.309	27.453	22.810
61.	26.303	35.439	26.289	23.325
99.	18.621	35.292	18.604	25.349
151.	13.276	34.966	13.255	26.314
201.	12.224	34.896	12.198	26.470
400.	9.494	34.715	9.449	26.822
602.	6.734	34.578	6.677	27.129
801.	5.332	34.556	5.264	27.291
1001.	4.321	34.559	4.243	27.408

CAST GP1-98-KA-0161 LAT 07 00.1S LONG 95 05.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.589	34.755	28.588	22.019
11.	28.582	34.754	28.579	22.022
25.	28.566	34.756	28.560	22.028
41.	27.428	35.366	27.419	22.855
60.	26.439	35.398	26.426	23.201
100.	20.763	35.452	20.743	24.902
151.	14.082	35.034	14.061	26.201
200.	12.630	34.917	12.603	26.407
401.	10.163	34.754	10.116	26.740
601.	7.094	34.589	7.036	27.090
802.	5.268	34.540	5.200	27.287
1000.	4.319	34.550	4.241	27.402

CAST GP1-98-KA-0171 LAT 07 46.9S LONG 95 08.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.349	34.741	28.349	22.087
11.	28.357	34.740	28.355	22.085
25.	28.356	34.740	28.351	22.087
40.	28.091	35.082	28.081	22.396
62.	26.312	35.420	26.298	23.250
101.	21.544	35.320	21.524	24.591
150.	14.320	35.015	14.298	26.135
201.	13.002	34.938	12.975	26.353
400.	10.507	34.776	10.459	26.697
601.	7.467	34.600	7.407	27.046
1008.	4.418	34.549	4.338	27.392

CAST GP1-98-KA-0181 LAT 07 59.5S LONG 109 57.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	27.885	35.281	27.885	22.646
10.	27.891	35.281	27.889	22.644
25.	27.901	35.282	27.895	22.642
40.	27.886	35.284	27.877	22.651
60.	27.260	35.622	27.246	23.107
100.	23.469	35.816	23.449	24.419
151.	17.254	35.261	17.229	25.642
201.	13.028	34.941	13.000	26.346
401.	9.847	34.736	9.800	26.780
802.	5.523	34.545	5.455	27.257
1004.	4.524	34.541	4.444	27.372

CAST GP1-98-KA-0191 LAT 06 59.8S LONG 109 57.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.254	34.912	28.253	22.249
10.	28.255	34.913	28.253	22.249
26.	28.246	34.946	28.240	22.279
40.	28.053	35.192	28.044	22.528
60.	26.800	35.763	26.786	23.367
101.	23.464	35.864	23.443	24.481
150.	15.621	35.109	15.598	25.923
202.	13.139	34.948	13.111	26.331
401.	10.054	34.748	10.007	26.754
501.	8.365	34.648	8.312	26.951
502.	8.333	34.648	8.280	26.955
500.	8.373	34.648	8.320	26.950

CAST GP1-98-KA-0201 LAT 05 59.9S LONG 109 57.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.572	34.798	28.572	22.056
10.	28.574	34.797	28.571	22.056
25.	28.553	34.802	28.548	22.069
40.	28.550	34.838	28.540	22.101
60.	27.702	35.408	27.688	22.806
101.	22.349	35.503	22.329	24.504
149.	14.396	35.012	14.374	26.119
201.	12.461	34.907	12.434	26.433
400.	9.719	34.726	9.674	26.793
599.	6.627	34.571	6.571	27.137
801.	5.301	34.542	5.234	27.283
1002.	4.485	34.551	4.406	27.383

CAST GP1-98-KA-0211 LAT 05 00.3S LONG 109 59.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.649	34.355	28.649	21.699
10.	28.635	34.359	28.632	21.708
26.	28.675	34.484	28.669	21.790
41.	27.432	35.457	27.422	22.928
60.	26.360	35.551	26.347	23.339
101.	17.427	35.399	17.410	25.677
149.	13.562	34.974	13.541	26.265
200.	12.976	34.922	12.948	26.345
401.	9.837	34.734	9.790	26.781
599.	7.358	34.601	7.299	27.063
801.	5.685	34.548	5.615	27.243
1004.	4.400	34.548	4.321	27.392

CAST GP1-98-KA-0221 LAT 03 59.6S LONG 109 59.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.877	34.089	28.877	21.428
10.	28.967	34.217	28.965	21.489
26.	28.884	34.241	28.878	21.535
40.	27.345	35.231	27.336	22.786
60.	23.981	35.533	23.969	24.041
100.	15.969	35.143	15.953	25.869
150.	13.718	34.982	13.696	26.238
200.	13.126	34.932	13.098	26.322
400.	10.045	34.747	9.998	26.755
601.	7.192	34.595	7.134	27.082
800.	5.389	34.546	5.321	27.277
1004.	4.485	34.544	4.405	27.379

CAST GP1-98-KA-0231 LAT 02 59.7S LONG 109 59.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.447	33.910	29.446	21.100
10.	28.880	33.937	28.878	21.327
25.	28.797	34.077	28.791	21.443
40.	27.093	35.269	27.083	22.917
61.	22.444	35.351	22.432	24.358
100.	15.342	35.107	15.326	25.983
151.	14.160	35.014	14.139	26.170
200.	13.351	34.949	13.323	26.290
400.	9.528	34.715	9.483	26.816
601.	6.937	34.588	6.880	27.111
800.	5.472	34.547	5.404	27.268
1005.	4.326	34.552	4.248	27.403

CAST GP1-98-KA-0241 LAT 01 57.7S LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	29.257	34.054	29.256	21.272
11.	29.087	34.094	29.084	21.377
25.	28.455	34.749	28.449	22.084
40.	26.234	35.322	26.225	23.200
61.	22.406	35.332	22.394	24.359
101.	15.583	35.090	15.568	25.915
152.	14.669	35.026	14.646	26.071
202.	14.274	35.018	14.244	26.151
401.	9.350	34.702	9.305	26.837
601.	6.863	34.575	6.806	27.111
800.	5.409	34.544	5.341	27.274
1004.	4.463	34.555	4.383	27.392

CAST GP1-98-KA-0251 LAT 01 00.0S LONG 110 00.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.278	33.865	29.277	21.123
10.	29.346	34.054	29.343	21.228
25.	28.643	34.550	28.637	21.868
40.	23.859	35.238	23.851	23.819
60.	19.245	35.308	19.234	25.198
100.	16.366	35.162	16.350	25.793
149.	15.510	35.063	15.487	25.915
200.	14.345	35.014	14.316	26.133
401.	8.907	34.673	8.863	26.881
602.	6.814	34.575	6.757	27.118
801.	5.416	34.546	5.348	27.274
1002.	4.591	34.552	4.511	27.375

CAST GP1-98-KA-0261 LAT 00 02.4N LONG 110 02.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	29.701	33.409	29.700	20.638
10.	29.363	33.709	29.361	21.039
25.	29.006	34.296	29.000	21.554
40.	25.068	35.248	25.059	23.510
60.	19.917	35.214	19.906	24.951
100.	16.190	35.070	16.174	25.764
151.	15.585	35.066	15.562	25.898
200.	13.825	34.966	13.797	26.205
500.	7.695	34.608	7.645	27.018
1500.	2.963	34.607	2.855	27.585
3001.	1.701	34.675	1.480	27.750
3509.	1.542	34.686	1.274	27.774

CAST GP1-98-KA-0271 LAT 00 59.7N LONG 110 24.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	30.036	33.704	30.035	20.765
10.	29.164	33.986	29.162	21.247
25.	28.354	34.806	28.348	22.142
40.	24.445	35.078	24.436	23.552
60.	20.762	35.141	20.750	24.667
101.	16.158	35.050	16.142	25.755
151.	14.661	34.988	14.639	26.043
200.	13.657	34.944	13.628	26.224
401.	8.668	34.660	8.625	26.910
600.	6.938	34.580	6.880	27.104
800.	5.337	34.552	5.269	27.287
1003.	4.554	34.557	4.473	27.384

CAST GP1-98-KA-0281 LAT 02 00.4N LONG 109 59.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	29.995	33.906	29.994	20.911
10.	29.642	33.906	29.639	21.036
25.	29.225	34.356	29.219	21.484
41.	27.200	34.759	27.191	22.473
150.	14.453	34.954	14.431	26.061
200.	13.698	34.934	13.670	26.207
500.	8.052	34.625	8.001	26.980
1501.	3.099	34.606	2.990	27.573
3001.	1.690	34.673	1.469	27.751
3512.	1.516	34.686	1.248	27.777

CAST GP1-98-KA-0291 LAT 02 59.8N LONG 110 05.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.907	33.496	29.906	20.642
11.	29.877	33.618	29.874	20.724
24.	29.304	33.598	29.298	20.919
40.	28.507	33.943	28.497	21.448
61.	23.045	34.895	23.032	23.851
101.	15.664	35.056	15.648	25.874
151.	14.733	35.014	14.711	26.048
201.	13.663	34.941	13.635	26.221
401.	10.052	34.700	10.005	26.719
600.	7.253	34.597	7.194	27.076
801.	5.429	34.563	5.361	27.287
1004.	4.210	34.568	4.132	27.429

CAST GP1-98-KA-0301 LAT 03 59.8N LONG 109 58.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.700	33.276	29.699	20.538
10.	29.701	33.276	29.699	20.538
25.	29.673	33.299	29.667	20.564
41.	28.928	33.836	28.918	21.235
60.	26.640	34.739	26.626	22.631
100.	17.540	34.924	17.523	25.331
150.	13.725	34.933	13.704	26.198
200.	13.243	34.917	13.215	26.286
401.	10.360	34.722	10.312	26.683
601.	7.319	34.604	7.260	27.069
800.	5.512	34.561	5.444	27.273
1002.	4.389	34.571	4.310	27.410

CAST GP1-98-KA-0321 LAT 06 00.3N LONG 110 02.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.966	32.820	28.966	20.441
11.	28.970	32.821	28.967	20.442
25.	28.982	32.825	28.976	20.443
41.	29.132	34.075	29.122	21.331
60.	28.950	34.112	28.935	21.420
99.	22.777	34.818	22.757	23.862
149.	14.372	34.747	14.350	25.913
200.	11.523	34.706	11.498	26.454
401.	9.386	34.673	9.341	26.808
600.	7.542	34.602	7.482	27.037
800.	5.703	34.559	5.633	27.250
1003.	4.587	34.564	4.507	27.385

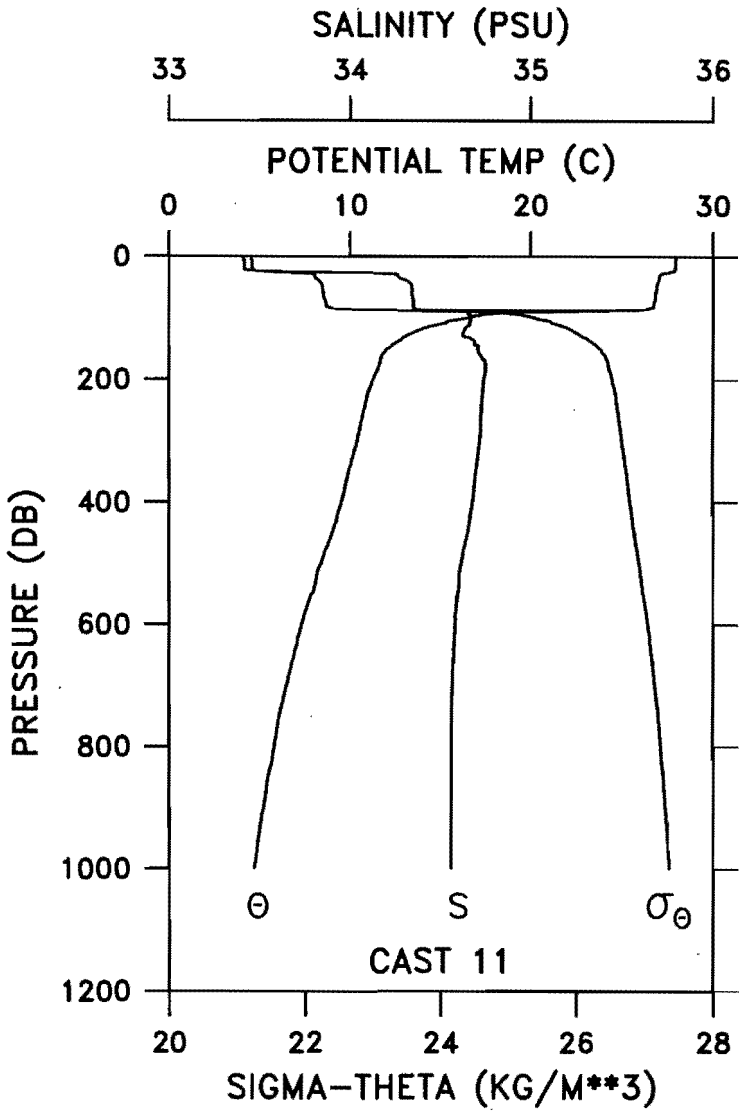
CAST GP1-98-KA-0331 LAT 07 00.3N LONG 110 05.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.627	33.315	28.626	20.926
11.	28.626	33.315	28.624	20.926
25.	28.718	34.000	28.712	21.410
40.	28.749	34.093	28.739	21.471
61.	28.664	34.177	28.650	21.565
101.	23.742	34.953	23.721	23.688
150.	13.853	34.770	13.831	26.046
201.	12.068	34.747	12.042	26.385
401.	9.678	34.685	9.632	26.769
601.	7.596	34.593	7.536	27.023
800.	5.601	34.557	5.531	27.261
1003.	4.588	34.565	4.507	27.386

CAST GP1-98-KA-0341 LAT 08 07.3N LONG 110 15.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.301	34.149	28.300	21.659
10.	28.305	34.148	28.303	21.658
25.	28.303	34.150	28.297	21.661
41.	28.310	34.148	28.300	21.659
60.	27.984	34.162	27.970	21.776
100.	21.145	34.710	21.126	24.233
151.	12.681	34.775	12.660	26.288
201.	11.820	34.759	11.794	26.441
401.	9.720	34.686	9.674	26.763
600.	7.314	34.573	7.255	27.048
799.	5.698	34.556	5.628	27.248
1006.	4.622	34.564	4.541	27.382

GP2-98-KA
April 18–May 20, 1998
CTD and Hydrographic Data Summary

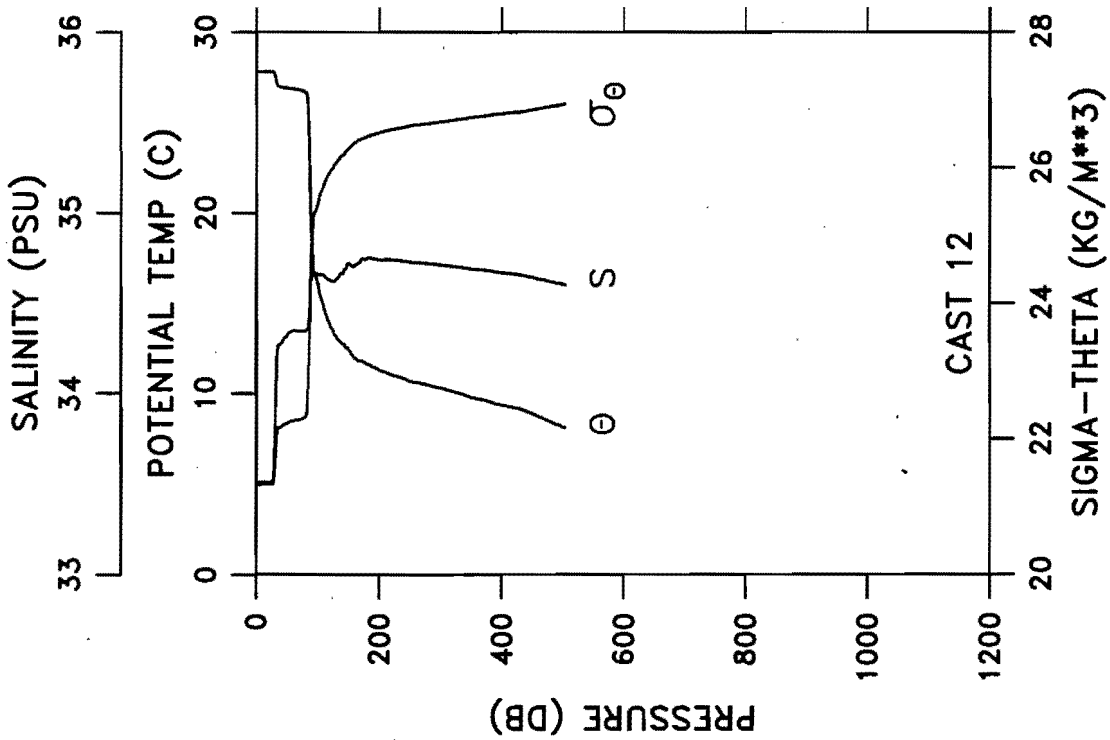


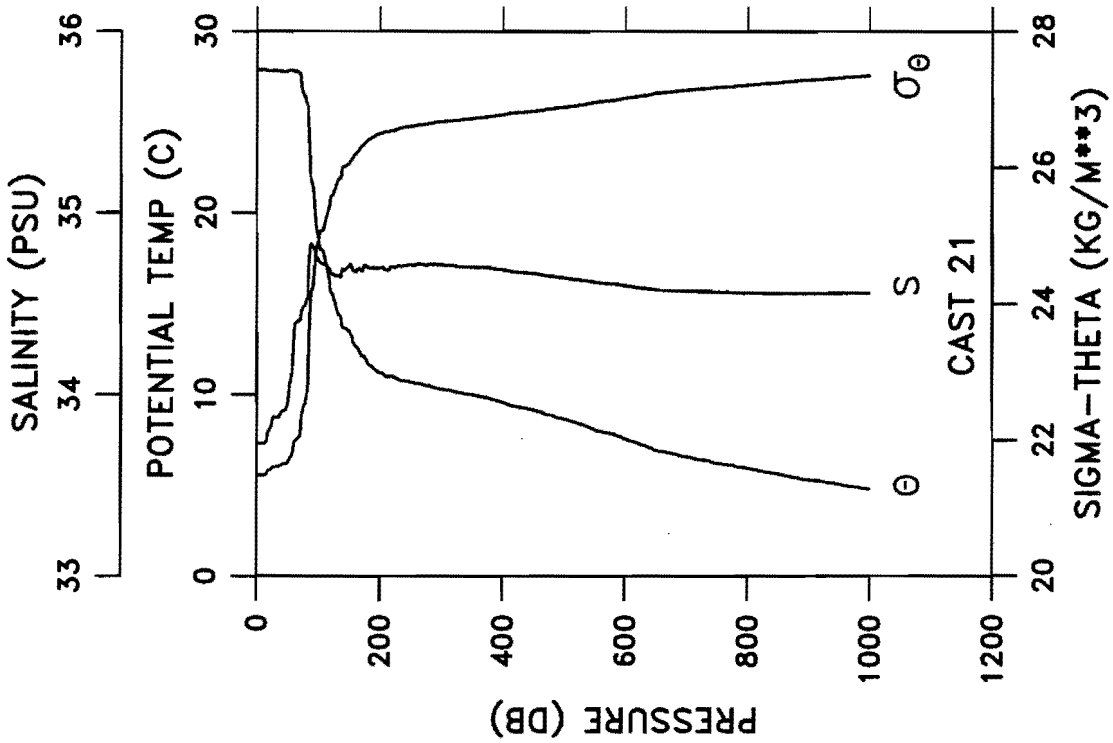
CAST GP2-98-KA-0011 DATE 25 APR 98 TIME 0452 GMT
LAT 08 02.0N LONG 125 03.7W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 031 T SPD 18 KT VISIBILITY 7
CLOUD 6 AMOUNT 9 DRY 26.7 WET 22.8 DEPTH 4567 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.976	33.411	21.210	0.000
10	27.948	33.415	21.222	0.066
20	27.947	33.416	21.223	0.131
30	27.082	34.265	22.141	0.193
40	26.995	34.318	22.208	0.250
50	26.916	34.342	22.251	0.306
60	26.869	34.343	22.267	0.362
70	26.821	34.351	22.288	0.418
80	26.745	34.351	22.312	0.473
90	19.501	34.654	24.629	0.524
100	16.467	34.671	25.388	0.552
110	14.979	34.663	25.717	0.577
120	13.805	34.632	25.944	0.599
130	13.074	34.628	26.091	0.619
140	12.533	34.691	26.246	0.637
150	12.081	34.706	26.346	0.655
160	11.779	34.721	26.414	0.672
170	11.675	34.748	26.456	0.688
180	11.580	34.749	26.474	0.704
190	11.405	34.746	26.504	0.720
200	11.269	34.739	26.524	0.735
250	10.759	34.726	26.606	0.811
300	10.390	34.716	26.663	0.884
350	9.898	34.696	26.732	0.955
400	9.506	34.677	26.783	1.023
450	9.001	34.650	26.844	1.089
500	8.369	34.615	26.916	1.151
550	7.849	34.597	26.980	1.211
600	7.287	34.582	27.049	1.268
650	6.887	34.573	27.098	1.322
700	6.459	34.566	27.151	1.374
750	6.046	34.561	27.200	1.424
800	5.767	34.560	27.234	1.471
900	5.193	34.559	27.303	1.562
1000	4.677	34.562	27.365	1.646
1500	2.995	34.603	27.569	2.000
2000	2.055	34.642	27.681	2.282
2500	1.673	34.666	27.730	2.524
3000	1.476	34.676	27.752	2.757
3500	1.261	34.685	27.775	2.981
4000	1.102	34.692	27.791	3.200
4011	1.100	34.692	27.791	3.205

CAST GP2-98-KA-0012 DATE 25 APR 98 TIME 0821 GMT
LAT 08 02.0N LONG 125 02.1W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 025 T SPD 13 KT VISIBILITY 7
CLOUD 6 AMOUNT 1 DRY 26.9 WET 22.4 DEPTH 4639 M

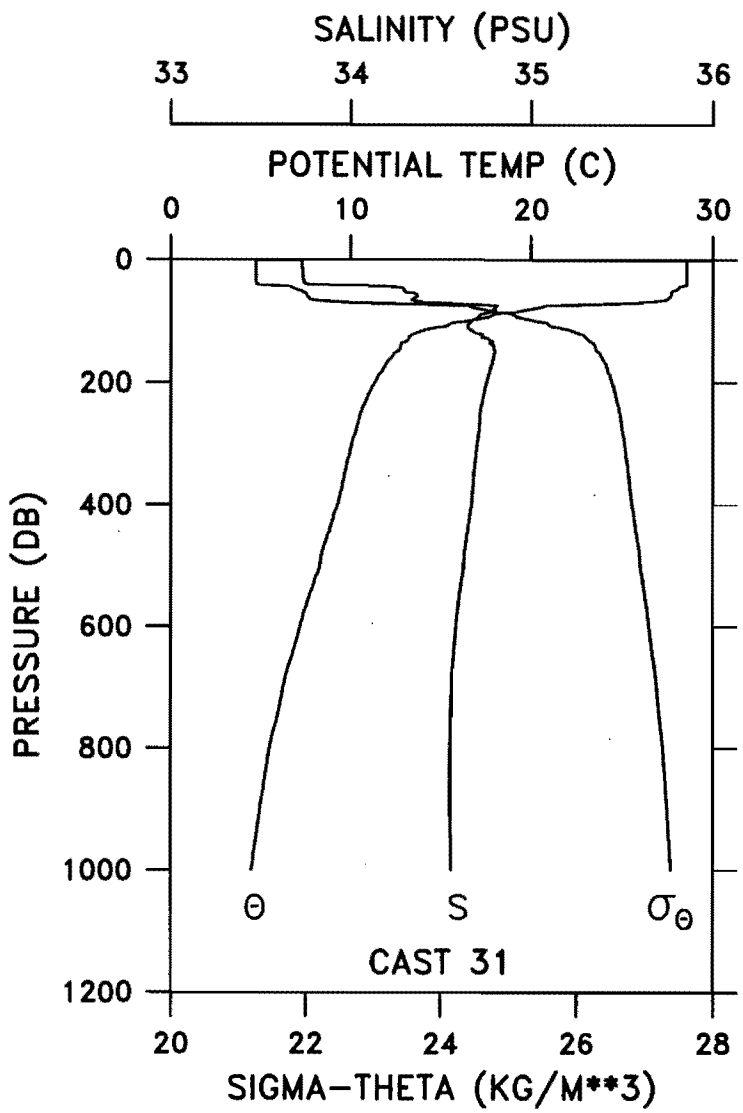
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.835	33.512	21.332	0.000
10	27.834	33.514	21.334	0.065
20	27.828	33.514	21.336	0.129
30	27.648	33.709	21.540	0.193
40	26.978	34.279	22.184	0.251
50	26.937	34.323	22.230	0.308
60	26.866	34.349	22.272	0.363
70	26.813	34.348	22.288	0.419
80	26.688	34.347	22.327	0.475
90	18.403	34.632	24.891	0.521
100	16.070	34.659	25.471	0.547
110	14.722	34.655	25.767	0.571
120	13.755	34.628	25.952	0.593
130	13.147	34.637	26.083	0.613
140	12.738	34.664	26.185	0.632
150	12.442	34.721	26.288	0.650
160	11.949	34.709	26.374	0.667
170	11.819	34.744	26.425	0.684
180	11.621	34.752	26.469	0.700
190	11.455	34.748	26.496	0.716
200	11.291	34.741	26.521	0.732
250	10.673	34.729	26.624	0.807
300	10.294	34.713	26.677	0.879
350	9.783	34.690	26.747	0.949
400	9.363	34.670	26.801	1.016
450	8.902	34.645	26.856	1.082
500	8.167	34.605	26.939	1.144
504	8.124	34.602	26.943	1.148





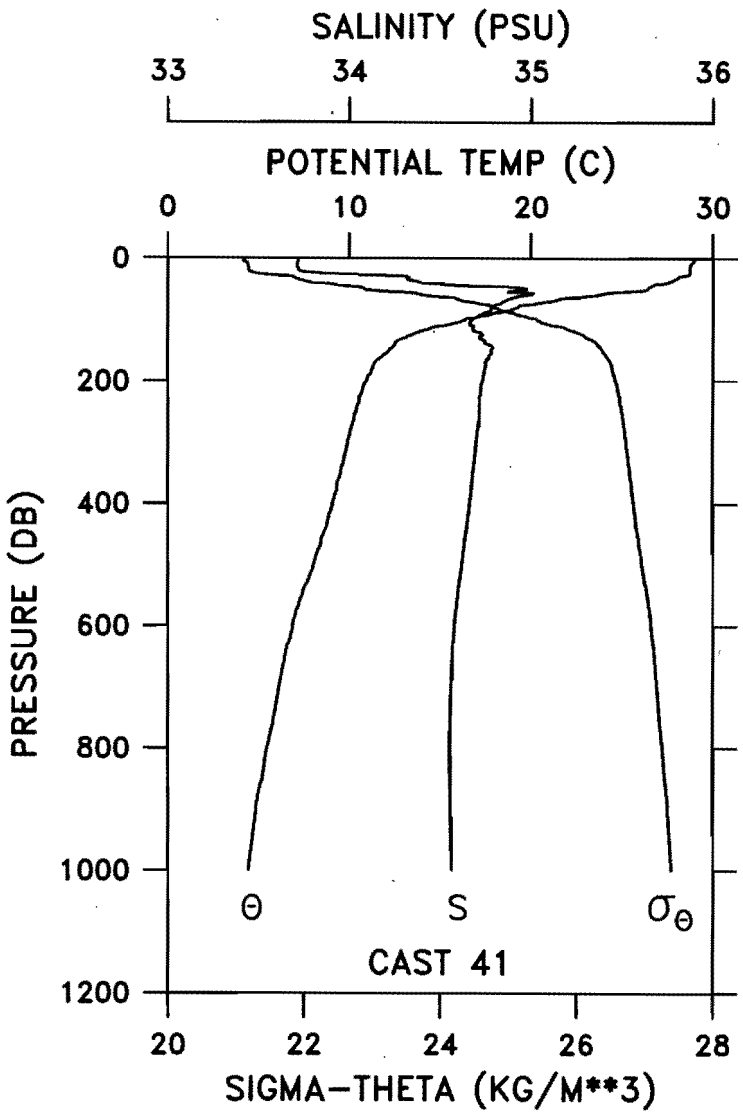
CAST GP2-98-KA-0021 DATE 26 APR 98 TIME 0154 GMT
LAT 07 00.5N LONG 124 58.3W WEATHER 1 SEA STATE 4
BAROMETER 10 WIND DIR 019 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 26.5 WET 22.5 DEPTH 4644 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.873	33.734	21.487	0.000
10	27.875	33.734	21.486	0.063
20	27.812	33.804	21.559	0.126
30	27.837	33.880	21.608	0.188
40	27.798	33.902	21.637	0.250
50	27.788	33.942	21.671	0.312
60	27.793	34.288	21.928	0.372
70	27.663	34.410	22.062	0.431
80	26.178	34.510	22.610	0.485
90	21.586	34.820	24.198	0.530
100	18.671	34.744	24.910	0.564
110	17.571	34.715	25.160	0.593
120	15.651	34.669	25.573	0.620
130	14.701	34.655	25.772	0.643
140	13.681	34.691	26.015	0.665
150	13.511	34.709	26.064	0.685
160	12.702	34.675	26.201	0.704
170	12.170	34.684	26.312	0.722
180	11.774	34.702	26.401	0.739
190	11.455	34.700	26.459	0.756
200	11.218	34.696	26.500	0.772
250	10.711	34.714	26.605	0.848
300	10.323	34.715	26.674	0.921
350	10.020	34.701	26.716	0.991
400	9.594	34.687	26.777	1.060
450	9.175	34.667	26.830	1.126
500	8.675	34.643	26.891	1.190
550	8.092	34.619	26.961	1.251
600	7.592	34.601	27.020	1.309
650	6.936	34.579	27.096	1.364
700	6.584	34.571	27.138	1.417
750	6.222	34.566	27.181	1.467
800	5.945	34.560	27.212	1.516
900	5.296	34.558	27.291	1.609
1000	4.792	34.561	27.351	1.695
1002	4.771	34.561	27.353	1.696



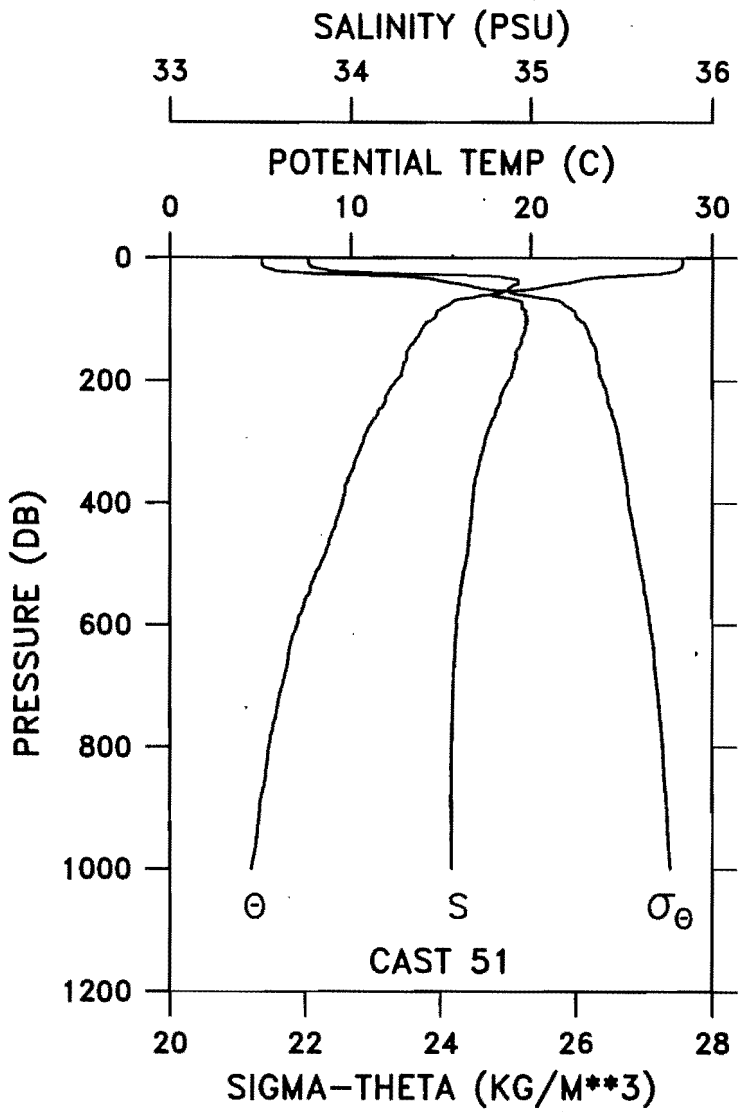
CAST GP2-98-KA-0031 DATE 26 APR 98 TIME 0900 GMT
LAT 06 00.0N LONG 124 55.5W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 026 T SPD 07 KT VISIBILITY 7
CLOUD 8 AMOUNT 1 DRY 26.6 WET 23.0 DEPTH 4387 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.568	33.732	21.257	0.000
10	28.573	33.732	21.256	0.065
20	28.571	33.735	21.259	0.131
30	28.571	33.736	21.260	0.196
40	28.559	33.762	21.283	0.261
50	27.809	34.296	21.930	0.322
60	27.640	34.371	22.041	0.381
70	25.517	34.521	22.823	0.437
80	20.006	34.805	24.612	0.475
90	17.867	34.717	25.089	0.506
100	16.397	34.674	25.407	0.534
110	14.844	34.653	25.739	0.558
120	13.586	34.708	26.048	0.579
130	13.208	34.769	26.173	0.598
140	12.790	34.795	26.276	0.616
150	12.552	34.804	26.330	0.634
160	12.262	34.793	26.378	0.651
170	11.946	34.784	26.432	0.668
180	11.778	34.774	26.456	0.684
190	11.522	34.764	26.496	0.700
200	11.332	34.754	26.524	0.715
250	10.548	34.720	26.639	0.790
300	10.071	34.704	26.709	0.861
350	9.665	34.686	26.764	0.930
400	9.298	34.673	26.814	0.997
450	8.715	34.647	26.887	1.061
500	8.300	34.630	26.938	1.122
550	7.717	34.607	27.007	1.180
600	7.204	34.588	27.066	1.236
650	6.702	34.574	27.124	1.289
700	6.223	34.563	27.179	1.339
750	5.899	34.559	27.217	1.388
800	5.470	34.555	27.267	1.434
900	4.934	34.556	27.331	1.521
1000	4.466	34.562	27.388	1.603
1002	4.456	34.561	27.389	1.604



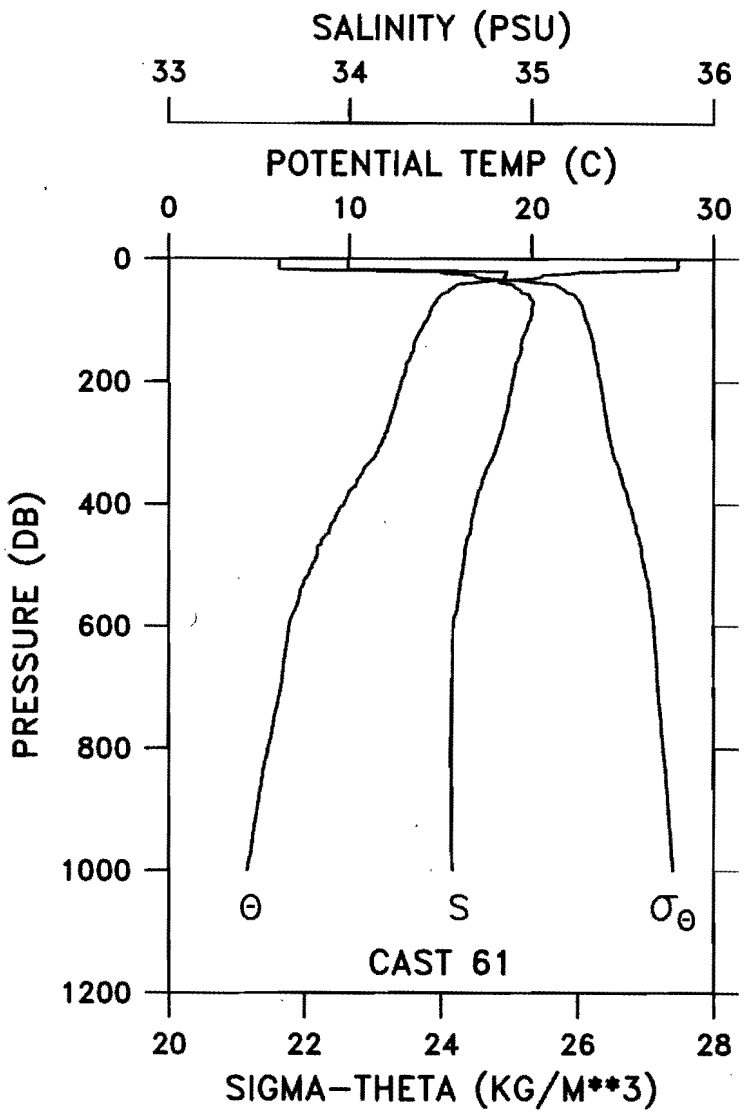
CAST GP2-98-KA-0041 DATE 26 APR 98 TIME 2133 GMT
LAT 05 13.0N LONG 125 00.5W WEATHER 1 SEA STATE 2
BAROMETER 10 WIND DIR 012 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 28.2 WET 25.0 DEPTH 4416 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.981	33.718	21.110	0.000
10	28.780	33.714	21.174	0.066
20	28.755	33.724	21.190	0.133
30	28.162	34.311	21.826	0.197
40	27.479	34.393	22.109	0.255
50	26.428	34.975	22.883	0.308
60	23.598	34.980	23.747	0.354
70	21.134	34.850	24.345	0.392
80	19.274	34.785	24.788	0.426
90	17.937	34.737	25.087	0.456
100	16.386	34.676	25.411	0.484
110	15.224	34.676	25.674	0.509
120	13.850	34.701	25.988	0.530
130	13.036	34.716	26.166	0.550
140	12.498	34.762	26.309	0.567
150	12.177	34.781	26.386	0.585
160	11.810	34.770	26.447	0.601
170	11.401	34.748	26.507	0.617
180	11.254	34.747	26.532	0.632
190	11.082	34.739	26.558	0.647
200	10.948	34.733	26.578	0.663
250	10.366	34.715	26.667	0.735
300	9.902	34.699	26.734	0.805
350	9.511	34.681	26.785	0.872
400	9.067	34.664	26.845	0.937
450	8.573	34.643	26.906	1.000
500	8.050	34.621	26.969	1.060
550	7.407	34.597	27.044	1.117
600	6.882	34.580	27.104	1.171
650	6.453	34.568	27.153	1.222
700	6.120	34.562	27.191	1.271
750	5.812	34.557	27.227	1.319
800	5.447	34.555	27.270	1.365
900	4.833	34.559	27.345	1.452
1000	4.426	34.564	27.395	1.532
1005	4.396	34.564	27.398	1.536



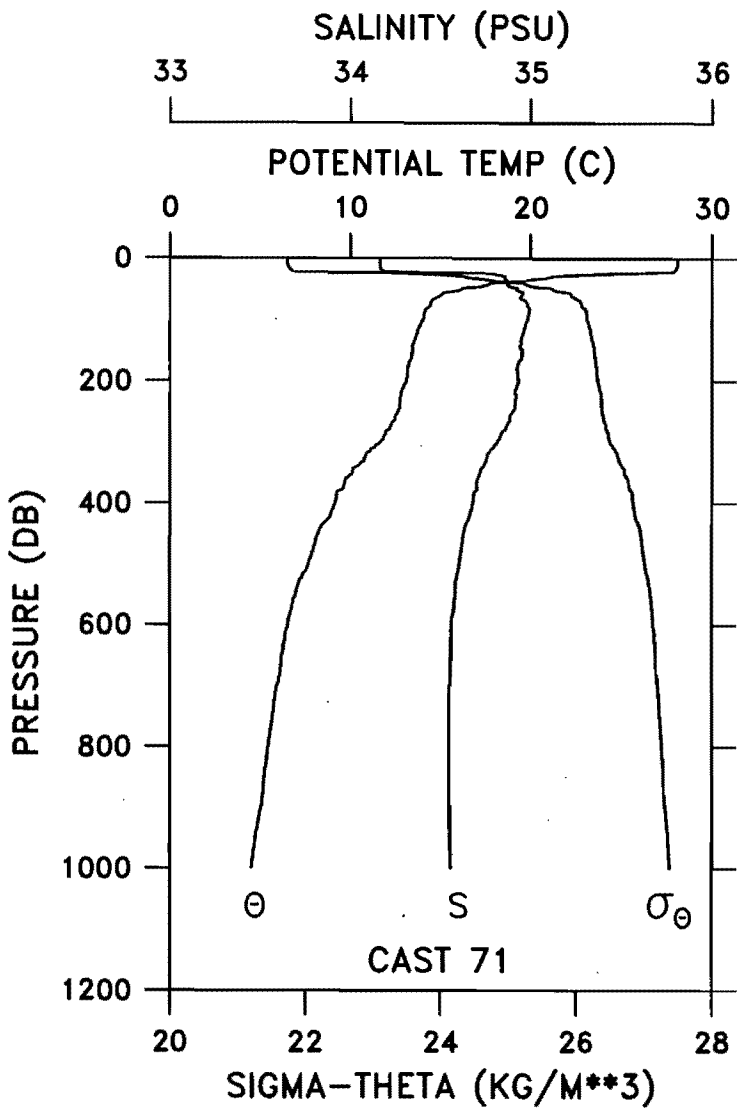
CAST GP2-98-KA-0051 DATE 27 APR 98 TIME 0542 GMT
LAT 04 00.8N LONG 125 01.7W WEATHER 1 SEA STATE 2
BAROMETER 12 WIND DIR 015 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 27.7 WET 25.6 DEPTH 4413 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.358	33.766	21.352	0.000
10	28.354	33.769	21.356	0.064
20	28.056	33.872	21.531	0.128
30	24.405	34.798	23.370	0.185
40	22.191	34.929	24.112	0.225
50	20.155	34.874	24.626	0.261
60	17.689	34.771	25.174	0.291
70	15.725	34.937	25.762	0.316
80	15.199	34.949	25.889	0.338
90	14.777	34.967	25.996	0.358
100	14.541	34.974	26.052	0.378
110	14.096	34.970	26.145	0.398
120	13.891	34.965	26.184	0.417
130	13.664	34.948	26.217	0.435
140	13.454	34.942	26.256	0.453
150	13.177	34.921	26.296	0.471
160	13.114	34.919	26.308	0.488
170	12.985	34.910	26.326	0.506
180	12.894	34.905	26.341	0.523
190	12.798	34.893	26.351	0.540
200	12.532	34.876	26.390	0.557
250	11.534	34.807	26.527	0.638
300	10.690	34.746	26.634	0.714
350	10.018	34.703	26.717	0.785
400	9.546	34.677	26.776	0.854
450	8.940	34.659	26.861	0.919
500	8.347	34.638	26.937	0.981
550	7.684	34.610	27.015	1.039
600	7.049	34.591	27.090	1.094
650	6.552	34.580	27.149	1.146
700	6.199	34.572	27.189	1.195
750	5.848	34.567	27.230	1.243
800	5.470	34.562	27.272	1.289
900	4.953	34.560	27.332	1.376
1000	4.487	34.565	27.388	1.458
1005	4.468	34.564	27.390	1.462



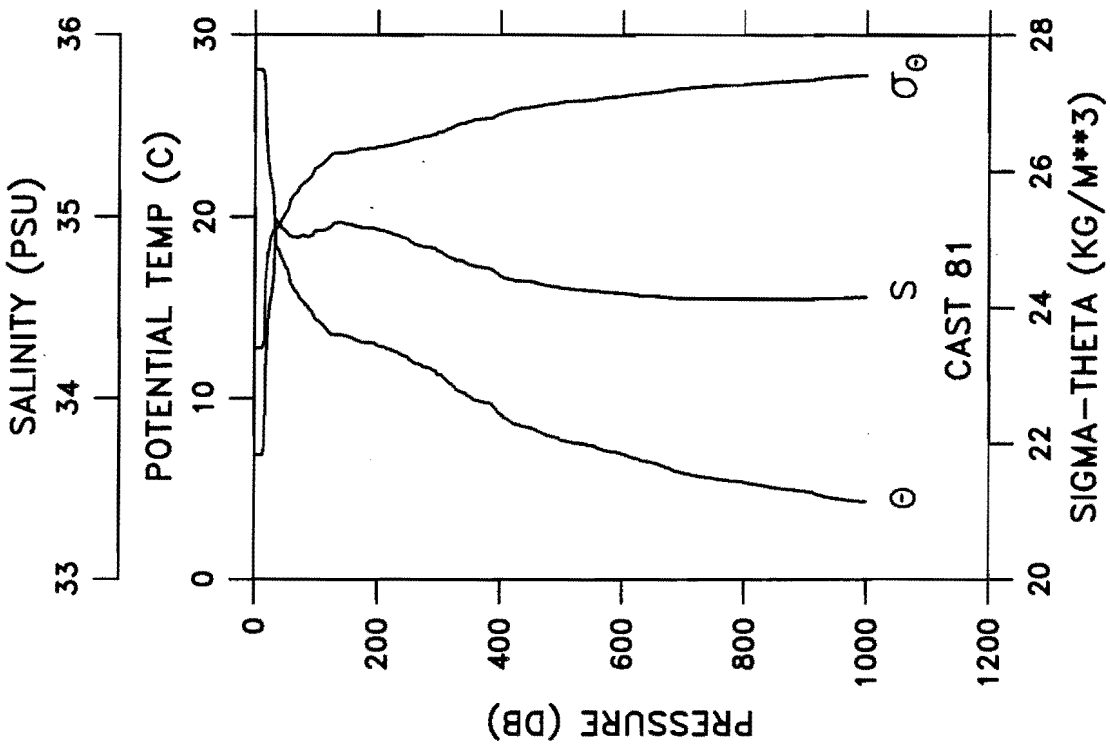
CAST GP2-98-KA-0061 DATE 27 APR 98 TIME 1304 GMT
LAT 03 00.3N LONG 125 04.8W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 358 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 27.5 WET 23.1 DEPTH 4499 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.053	33.995	21.624	0.000
10	28.048	33.992	21.624	0.062
20	24.272	34.659	23.304	0.121
30	20.459	34.849	24.526	0.158
40	16.397	34.850	25.541	0.188
50	15.526	34.932	25.804	0.210
60	14.981	34.991	25.970	0.232
70	14.745	35.008	26.035	0.252
80	14.509	35.001	26.080	0.271
90	14.401	34.999	26.102	0.291
100	14.248	34.991	26.128	0.310
110	14.018	34.975	26.165	0.329
120	13.839	34.964	26.193	0.347
130	13.648	34.948	26.221	0.366
140	13.536	34.942	26.239	0.384
150	13.498	34.941	26.246	0.402
160	13.341	34.929	26.269	0.420
170	13.150	34.912	26.295	0.438
180	13.101	34.908	26.302	0.456
190	13.018	34.902	26.314	0.473
200	12.857	34.895	26.340	0.490
250	12.374	34.862	26.410	0.576
300	11.765	34.815	26.490	0.658
350	10.698	34.745	26.632	0.735
400	9.698	34.693	26.764	0.806
450	8.711	34.656	26.895	0.871
500	7.968	34.625	26.984	0.931
550	7.243	34.599	27.070	0.986
600	6.650	34.570	27.128	1.039
650	6.418	34.568	27.157	1.089
700	6.192	34.564	27.184	1.139
750	5.808	34.559	27.229	1.187
800	5.473	34.557	27.268	1.233
900	4.867	34.559	27.341	1.319
1000	4.325	34.564	27.405	1.400
1005	4.290	34.564	27.409	1.403



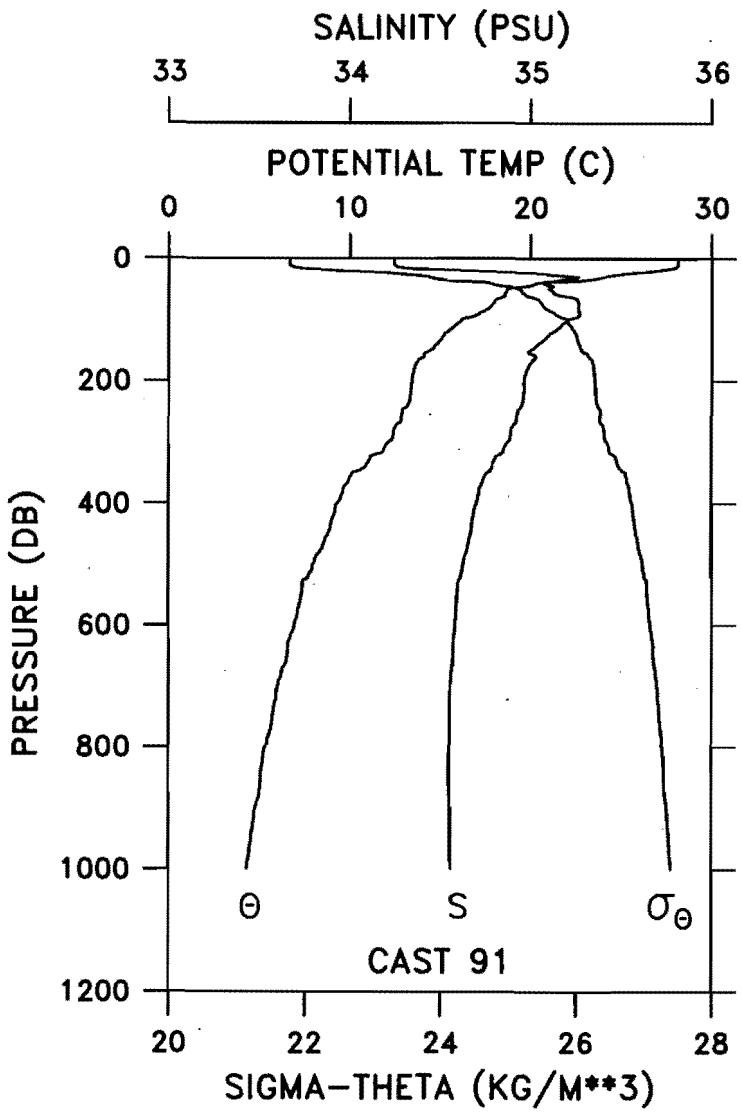
CAST GP2-98-KA-0071 DATE 28 APR 98 TIME 0533 GMT
LAT 01 55.2N LONG 125 04.0W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 323 T SPD 10 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 28.0 WET 24.5 DEPTH 4690 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.111	34.167	21.734	0.000
10	28.106	34.166	21.735	0.061
20	27.915	34.176	21.805	0.121
30	21.148	34.859	24.348	0.168
40	17.826	34.874	25.219	0.200
50	16.145	34.923	25.656	0.226
60	15.016	34.951	25.932	0.248
70	14.492	34.975	26.064	0.268
80	14.330	34.989	26.109	0.288
90	14.104	34.990	26.158	0.307
100	14.056	34.983	26.163	0.325
110	13.866	34.968	26.191	0.344
120	13.723	34.959	26.214	0.362
130	13.616	34.949	26.228	0.381
140	13.483	34.945	26.253	0.399
150	13.456	34.956	26.267	0.416
160	13.400	34.953	26.276	0.434
170	13.259	34.933	26.289	0.452
180	13.171	34.923	26.300	0.470
190	13.169	34.932	26.306	0.487
200	13.114	34.934	26.319	0.505
250	12.644	34.900	26.387	0.591
300	11.694	34.815	26.504	0.673
350	10.127	34.719	26.711	0.748
400	9.157	34.680	26.843	0.814
450	8.208	34.627	26.950	0.876
500	7.684	34.603	27.009	0.934
550	6.960	34.580	27.094	0.988
600	6.532	34.560	27.136	1.039
650	6.193	34.557	27.178	1.089
700	5.930	34.552	27.208	1.138
750	5.678	34.547	27.235	1.184
800	5.430	34.546	27.264	1.230
900	5.037	34.550	27.314	1.319
1000	4.504	34.556	27.380	1.401
1003	4.497	34.556	27.380	1.404



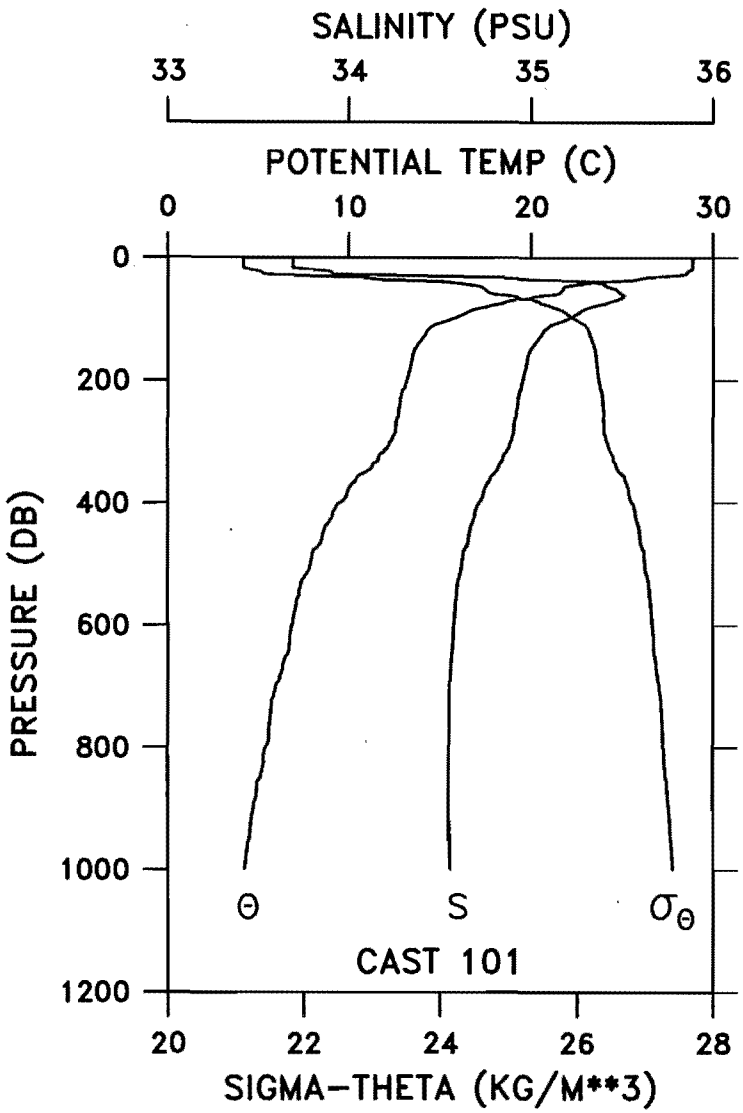
CAST GP2-98-KA-0081 DATE 28 APR 98 TIME 1242 GMT
LAT 00 59.9N LONG 124 47.7W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 304 T SPD 08 KT VISIBILITY 7
CLOUD AMOUNT 1 DRY 27.2 WET 25.5 DEPTH 4662 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.058	34.279	21.836	0.000
10	28.055	34.279	21.837	0.060
20	23.812	34.735	23.498	0.115
30	21.186	34.921	24.385	0.154
40	18.146	34.958	25.205	0.183
50	17.268	34.923	25.392	0.210
60	16.260	34.892	25.605	0.235
70	15.748	34.885	25.717	0.258
80	15.280	34.899	25.833	0.281
90	14.907	34.895	25.912	0.302
100	14.369	34.923	26.050	0.323
110	14.098	34.927	26.111	0.342
120	13.707	34.939	26.202	0.361
130	13.524	34.968	26.262	0.379
140	13.519	34.970	26.264	0.397
150	13.450	34.963	26.273	0.415
160	13.337	34.956	26.291	0.432
170	13.169	34.946	26.318	0.450
180	13.099	34.941	26.328	0.467
190	13.079	34.940	26.331	0.485
200	12.934	34.931	26.354	0.502
250	12.260	34.877	26.444	0.586
300	11.320	34.813	26.572	0.666
350	10.137	34.738	26.724	0.739
400	9.160	34.678	26.841	0.806
450	8.368	34.646	26.940	0.867
500	7.690	34.609	27.013	0.925
550	7.396	34.593	27.043	0.981
600	6.933	34.580	27.098	1.035
650	6.441	34.566	27.153	1.086
700	5.872	34.552	27.215	1.135
750	5.567	34.549	27.250	1.181
800	5.362	34.549	27.276	1.226
900	4.873	34.549	27.333	1.312
1000	4.309	34.559	27.403	1.392
1004	4.307	34.559	27.403	1.395



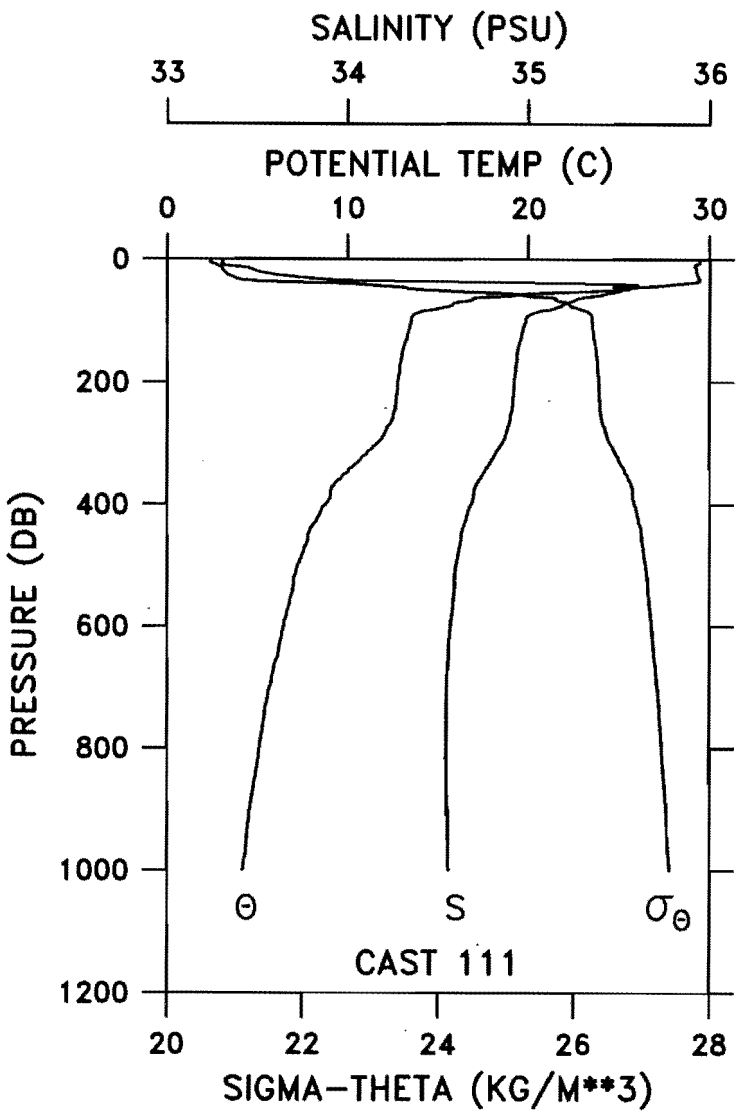
CAST GP2-98-KA-0091 DATE 29 APR 98 TIME 0728 GMT
LAT 00 13.9S LONG 124 22.4W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 323 T SPD 12 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 27.8 WET 25.6 DEPTH 4733 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.158	34.245	21.778	0.000
10	28.153	34.244	21.778	0.060
20	26.910	34.591	22.441	0.119
30	24.084	35.268	23.821	0.165
40	20.359	35.070	24.721	0.203
50	18.714	35.104	25.175	0.233
60	18.555	35.157	25.255	0.261
70	18.008	35.262	25.472	0.287
80	17.721	35.263	25.543	0.312
90	17.124	35.271	25.693	0.336
100	16.141	35.205	25.874	0.358
110	15.768	35.166	25.929	0.379
120	15.363	35.122	25.986	0.400
130	15.069	35.082	26.021	0.420
140	14.779	35.040	26.052	0.441
150	14.439	34.994	26.090	0.460
160	14.087	35.028	26.191	0.479
170	13.686	34.998	26.252	0.498
180	13.542	34.979	26.267	0.516
190	13.458	34.968	26.276	0.534
200	13.402	34.962	26.283	0.551
250	12.887	34.927	26.360	0.640
300	12.154	34.875	26.463	0.725
350	10.161	34.759	26.737	0.801
400	9.298	34.701	26.836	0.868
450	8.805	34.669	26.890	0.932
500	7.963	34.626	26.986	0.992
550	7.309	34.594	27.056	1.047
600	6.931	34.582	27.100	1.101
650	6.528	34.570	27.145	1.153
700	6.012	34.556	27.200	1.202
750	5.726	34.552	27.233	1.249
800	5.336	34.552	27.281	1.295
900	4.801	34.551	27.342	1.381
1000	4.318	34.560	27.402	1.461
1003	4.302	34.560	27.405	1.463



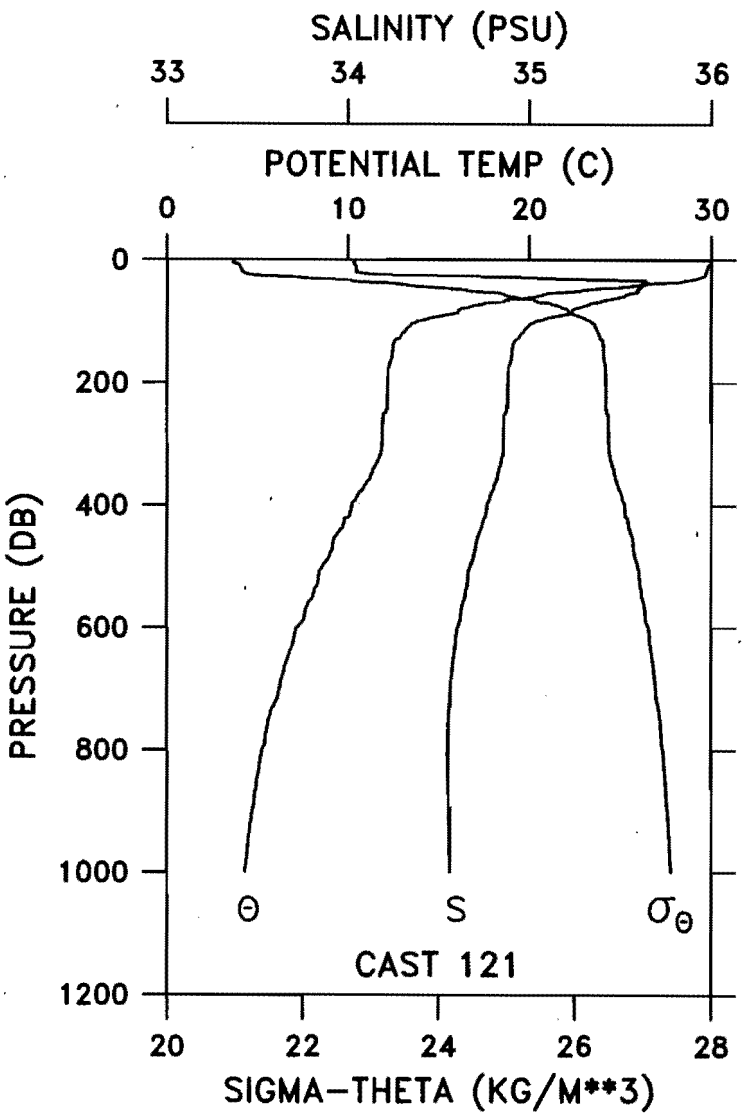
CAST GP2-98-KA-0101 DATE 29 APR 98 TIME 1407 GMT
LAT 01 00.1S LONG 124 33.9W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 332 T SPD 10 KT VISIBILITY 7
CLOUD 2 AMOUNT 9 DRY 27.9 WET 24.7 DEPTH 4731 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.881	33.692	21.124	0.000
10	28.877	33.690	21.124	0.067
20	28.760	33.802	21.247	0.133
30	27.453	34.368	22.099	0.196
40	23.454	35.335	24.057	0.244
50	21.749	35.452	24.633	0.279
60	21.250	35.503	24.810	0.311
70	18.937	35.452	25.384	0.340
80	17.590	35.327	25.624	0.365
90	16.458	35.258	25.841	0.387
100	15.699	35.197	25.969	0.409
110	14.705	35.107	26.120	0.428
120	14.284	35.067	26.179	0.447
130	14.085	35.045	26.205	0.466
140	13.834	35.019	26.237	0.484
150	13.596	34.992	26.266	0.502
160	13.509	34.981	26.275	0.520
170	13.445	34.975	26.284	0.538
180	13.376	34.968	26.292	0.556
190	13.282	34.959	26.304	0.573
200	13.185	34.951	26.318	0.591
250	12.732	34.916	26.382	0.677
300	12.301	34.888	26.445	0.762
350	10.930	34.802	26.635	0.841
400	9.521	34.714	26.810	0.910
450	8.566	34.660	26.921	0.973
500	7.864	34.620	26.996	1.031
550	7.250	34.591	27.062	1.087
600	6.867	34.578	27.105	1.140
650	6.528	34.565	27.140	1.192
700	5.954	34.553	27.205	1.241
750	5.643	34.551	27.243	1.288
800	5.419	34.551	27.270	1.333
900	4.734	34.548	27.347	1.419
1000	4.247	34.558	27.409	1.499
1004	4.238	34.557	27.409	1.502



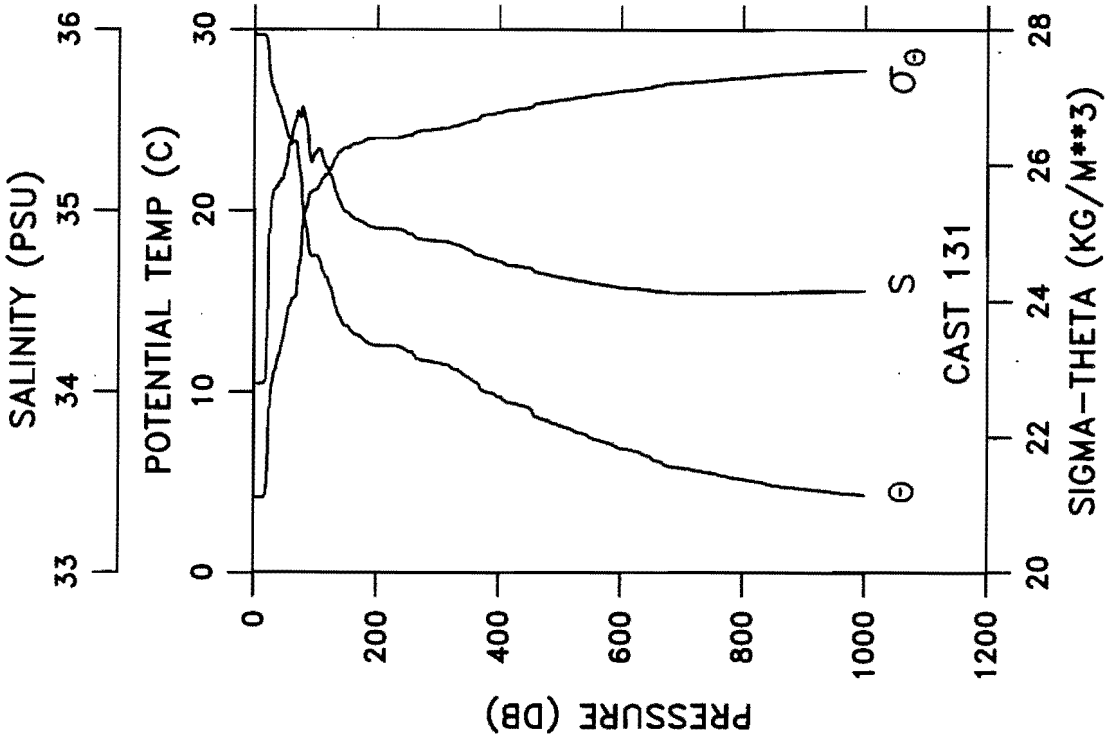
CAST GP2-98-KA-0111 DATE 29 APR 98 TIME 2352 GMT
LAT 02 02.7S LONG 124 52.6W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 312 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 29.3 WET 27.0 DEPTH 4694 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.477	33.310	20.639	0.000
10	29.194	33.316	20.738	0.071
20	29.299	33.500	20.841	0.141
30	29.419	33.754	20.991	0.209
40	28.041	35.518	22.773	0.272
50	24.727	35.514	23.815	0.318
60	18.836	35.352	25.334	0.350
70	16.025	35.223	25.915	0.373
80	15.053	35.142	26.071	0.393
90	13.663	35.010	26.266	0.412
100	13.539	34.987	26.274	0.429
110	13.446	34.974	26.283	0.447
120	13.352	34.966	26.296	0.465
130	13.290	34.960	26.304	0.482
140	13.145	34.948	26.324	0.500
150	13.053	34.940	26.336	0.517
160	13.005	34.938	26.345	0.534
170	12.923	34.933	26.357	0.551
180	12.904	34.931	26.359	0.568
190	12.828	34.926	26.370	0.585
200	12.802	34.923	26.373	0.602
250	12.583	34.904	26.402	0.687
300	11.680	34.855	26.538	0.769
350	9.847	34.748	26.782	0.841
400	8.817	34.684	26.900	0.905
450	7.834	34.629	27.007	0.963
500	7.241	34.599	27.070	1.018
550	6.885	34.587	27.110	1.071
600	6.466	34.569	27.152	1.121
650	6.129	34.560	27.188	1.170
700	5.672	34.551	27.239	1.217
750	5.386	34.547	27.271	1.262
800	5.113	34.547	27.303	1.306
900	4.586	34.551	27.366	1.389
1000	4.190	34.559	27.416	1.467
1006	4.161	34.558	27.418	1.472



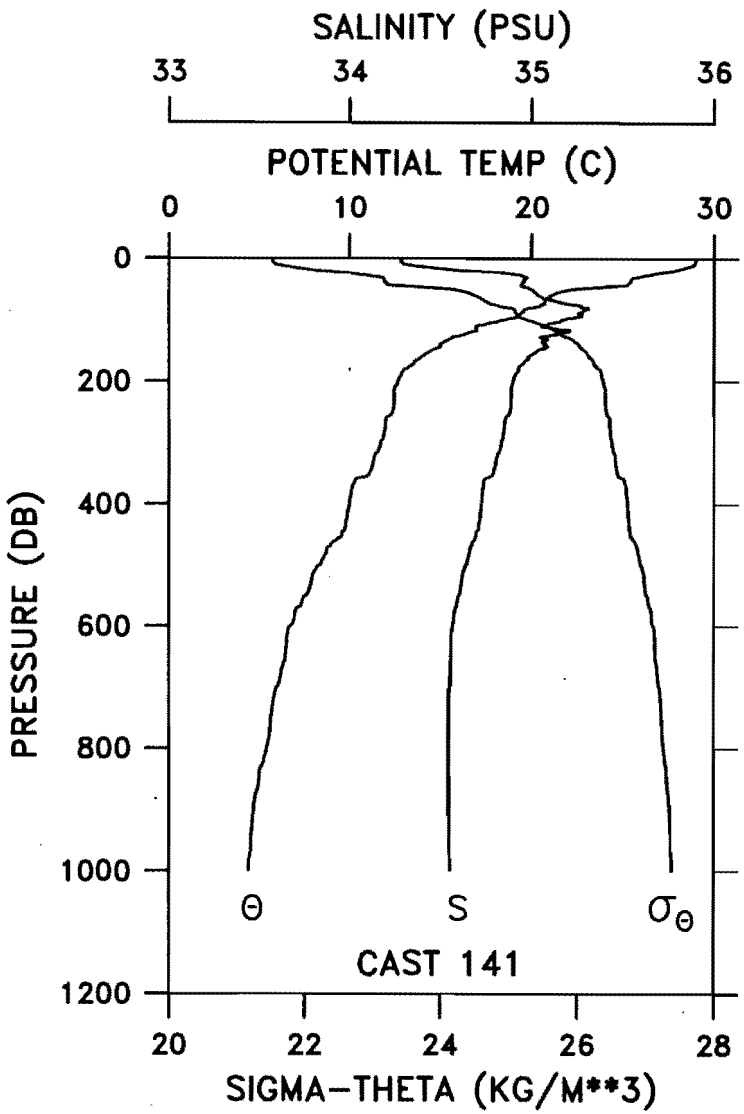
CAST GP2-98-KA-0121 DATE 09 MAY 98 TIME 0526 GMT
LAT 02 01.7S LONG 139 58.3W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 087 T SPD 04 KT VISIBILITY 7
CLOUD AMOUNT DRY 28.8 WET 26.0 DEPTH 4321 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	30.073	34.037	20.982	0.000
10	29.823	34.044	21.072	0.068
20	29.690	34.046	21.118	0.135
30	29.207	35.085	22.061	0.198
40	26.132	35.631	23.470	0.248
50	22.889	35.590	24.415	0.288
60	20.251	35.503	25.080	0.319
70	17.571	35.339	25.638	0.346
80	16.191	35.243	25.891	0.368
90	15.392	35.179	26.024	0.389
100	13.848	35.033	26.245	0.408
110	13.357	34.986	26.310	0.425
120	13.001	34.955	26.358	0.443
130	12.618	34.924	26.410	0.459
140	12.485	34.907	26.423	0.476
150	12.474	34.905	26.424	0.492
160	12.430	34.901	26.429	0.508
170	12.305	34.891	26.446	0.525
180	12.245	34.885	26.453	0.541
190	12.227	34.883	26.455	0.557
200	12.210	34.881	26.457	0.573
250	11.993	34.865	26.486	0.654
300	11.892	34.858	26.500	0.734
350	11.258	34.826	26.594	0.813
400	10.220	34.768	26.733	0.886
450	9.343	34.718	26.842	0.954
500	8.608	34.675	26.926	1.017
550	8.061	34.645	26.986	1.076
600	7.190	34.605	27.081	1.132
650	6.656	34.583	27.137	1.185
700	6.186	34.568	27.188	1.235
750	5.607	34.557	27.252	1.282
800	5.247	34.552	27.292	1.327
900	4.708	34.559	27.359	1.411
1000	4.302	34.564	27.408	1.490
1003	4.295	34.564	27.408	1.493



CAST GP2-98-KA-0131 DATE 09 MAY 98 TIME 1311 GMT
LAT 00 59.9S LONG 139 56.1W WEATHER 1 SEA STATE 3
BAROMETER 07 WIND DIR 004 T SPD 12 KT VISIBILITY 7
CLOUD AMOUNT 1 DRY 27.8 WET 27.8 DEPTH 4213 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.704	34.048	21.115	0.000
10	29.712	34.046	21.111	0.067
20	29.489	34.138	21.256	0.133
30	26.885	35.074	22.813	0.189
40	25.820	35.154	23.207	0.237
50	24.736	35.232	23.598	0.283
60	23.794	35.365	23.980	0.324
70	23.220	35.548	24.287	0.362
80	19.926	35.550	25.202	0.395
90	17.783	35.318	25.570	0.421
100	17.505	35.318	25.638	0.445
110	16.833	35.310	25.793	0.468
120	16.217	35.229	25.874	0.490
130	15.044	35.135	26.067	0.511
140	14.110	35.046	26.200	0.530
150	13.653	34.992	26.254	0.548
160	13.275	34.963	26.309	0.566
170	13.137	34.947	26.325	0.583
180	12.815	34.927	26.374	0.600
190	12.636	34.911	26.397	0.617
200	12.572	34.903	26.403	0.634
250	12.250	34.875	26.444	0.717
300	11.608	34.832	26.533	0.797
350	10.823	34.784	26.640	0.874
400	9.735	34.720	26.778	0.944
450	9.118	34.685	26.853	1.009
500	8.138	34.632	26.965	1.070
550	7.475	34.602	27.039	1.127
600	6.864	34.574	27.102	1.181
650	6.342	34.559	27.160	1.233
700	5.773	34.547	27.223	1.281
750	5.503	34.545	27.255	1.327
800	5.152	34.544	27.296	1.371
900	4.620	34.551	27.362	1.454
1000	4.265	34.558	27.407	1.533
1004	4.234	34.559	27.411	1.536

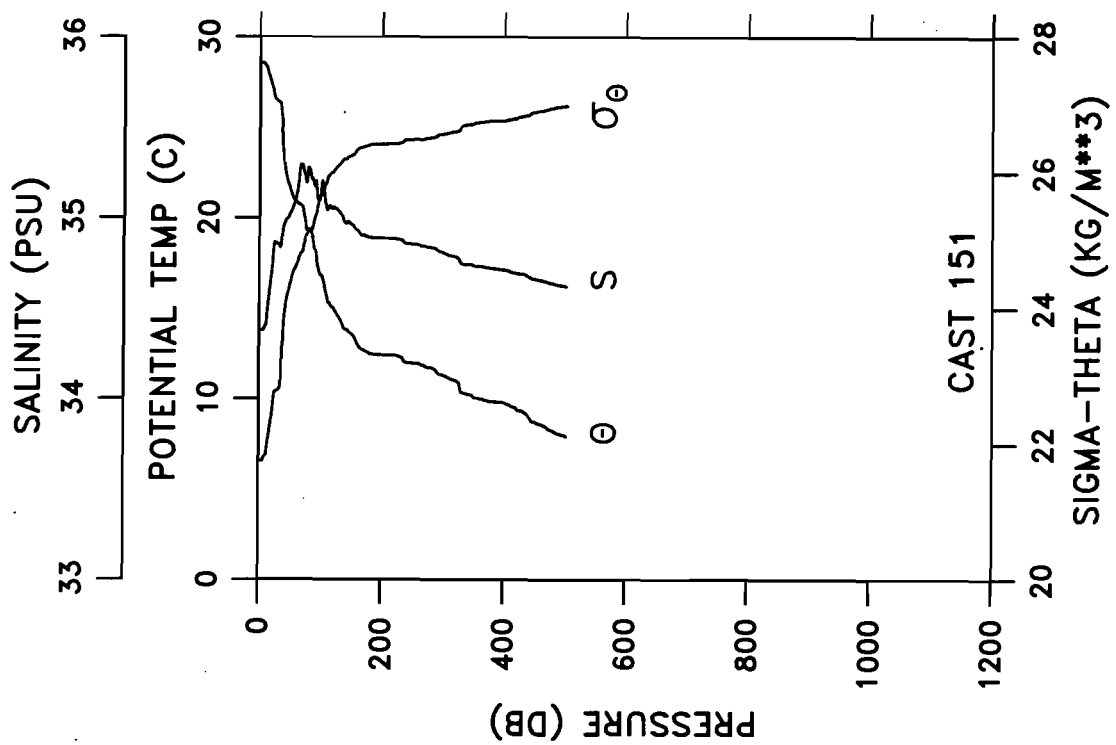


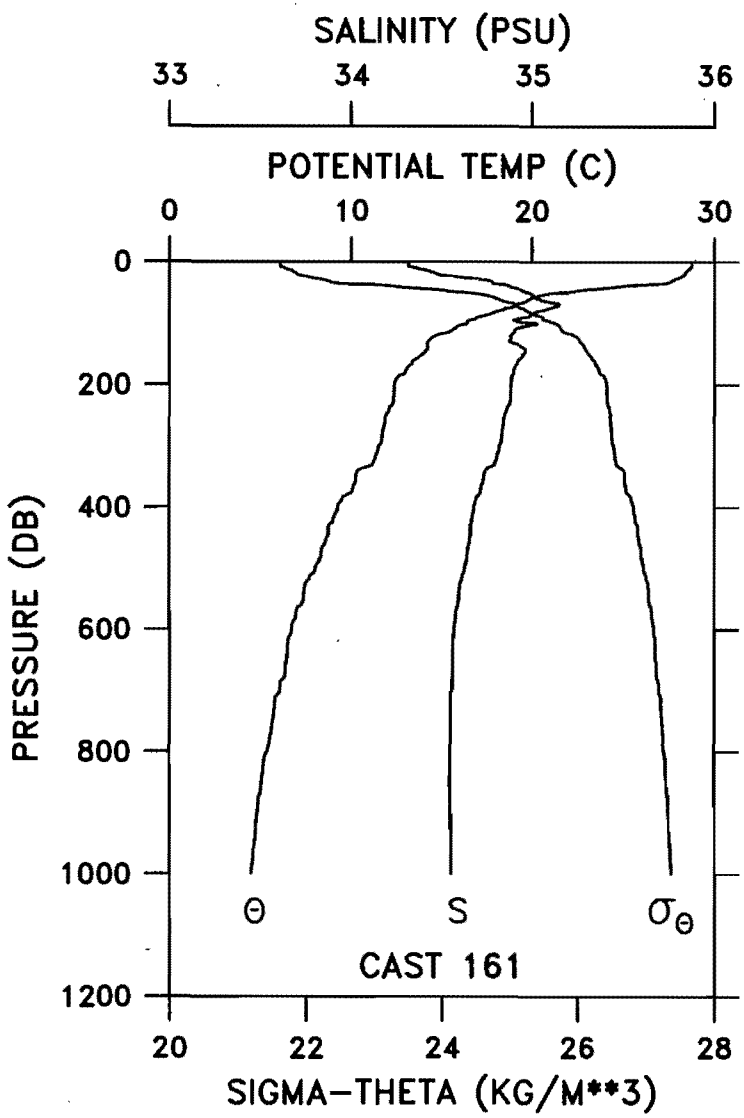
CAST GP2-98-KA-0141 DATE 10 MAY 98 TIME 0424 GMT
LAT 00 01.9S LONG 139 54.7W WEATHER 7 SEA STATE 3
BAROMETER 08 WIND DIR 007 T SPD 10 KT VISIBILITY 7
CLOUD 3 AMOUNT 7 DRY 28.5 WET 26.0 DEPTH 4339 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.019	34.288	21.525	0.000
10	28.923	34.308	21.572	0.063
20	27.794	34.606	22.168	0.122
30	25.800	34.964	23.070	0.174
40	25.325	34.947	23.203	0.221
50	22.288	34.997	24.136	0.264
60	21.080	35.036	24.501	0.300
70	20.733	35.142	24.676	0.334
80	20.087	35.312	24.978	0.365
90	19.395	35.255	25.115	0.394
100	18.506	35.167	25.275	0.422
110	16.943	35.053	25.570	0.448
120	16.634	35.183	25.743	0.472
130	15.565	35.068	25.900	0.494
140	14.965	35.065	26.030	0.515
150	14.471	35.031	26.111	0.535
160	13.973	34.979	26.177	0.554
170	13.555	34.958	26.248	0.572
180	13.030	34.930	26.333	0.590
190	12.837	34.912	26.358	0.607
200	12.656	34.900	26.384	0.624
250	12.369	34.883	26.428	0.708
300	11.724	34.837	26.515	0.788
350	11.101	34.792	26.596	0.866
400	10.001	34.730	26.741	0.937
450	9.591	34.698	26.786	1.005
500	8.358	34.644	26.940	1.068
550	7.523	34.605	27.034	1.126
600	6.680	34.569	27.123	1.180
650	6.421	34.560	27.151	1.230
700	5.910	34.553	27.211	1.279
750	5.619	34.547	27.242	1.326
800	5.377	34.546	27.271	1.371
900	4.669	34.550	27.357	1.456
1000	4.403	34.555	27.390	1.536
1500	2.952	34.602	27.572	1.882
2000	2.201	34.637	27.664	2.164
2500	1.700	34.662	27.724	2.410
3000	1.449	34.674	27.752	2.642
3500	1.254	34.685	27.775	2.866
4000	1.078	34.694	27.795	3.081
4007	1.078	34.694	27.795	3.084

CAST GP2-98-KA-0151 DATE 10 MAY 98 TIME 2114 GMT
LAT 00 02.7S LONG 139 57.5W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 043 T SPD 14 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.4 WET 26.5 DEPTH 4301 M

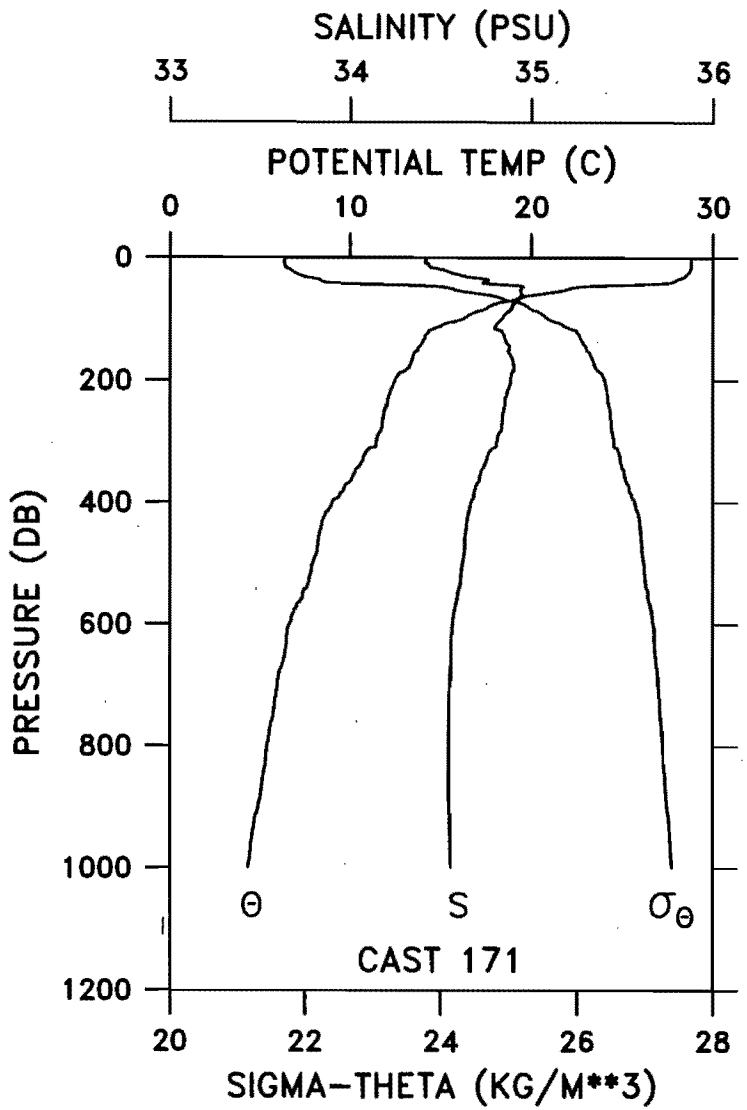
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.559	34.381	21.748	0.000
10	28.375	34.407	21.828	0.060
20	27.299	34.682	22.385	0.118
30	26.430	34.857	22.792	0.169
40	23.198	34.964	23.851	0.217
50	21.588	35.024	24.352	0.255
60	20.872	35.119	24.621	0.289
70	20.604	35.293	24.825	0.321
80	19.367	35.277	25.140	0.351
90	18.290	35.175	25.335	0.379
100	16.822	35.135	25.661	0.404
110	15.606	35.042	25.870	0.426
120	15.063	35.061	26.005	0.447
130	14.468	35.032	26.113	0.467
140	13.842	34.971	26.199	0.486
150	13.576	34.963	26.248	0.504
160	12.983	34.928	26.342	0.522
170	12.715	34.907	26.378	0.539
180	12.489	34.892	26.411	0.555
190	12.439	34.889	26.418	0.572
200	12.424	34.887	26.420	0.588
250	11.957	34.853	26.484	0.670
300	11.320	34.808	26.568	0.749
350	10.116	34.736	26.726	0.823
400	9.792	34.712	26.762	0.891
450	8.752	34.664	26.894	0.956
500	7.956	34.623	26.984	1.016
502	7.927	34.620	26.987	1.018





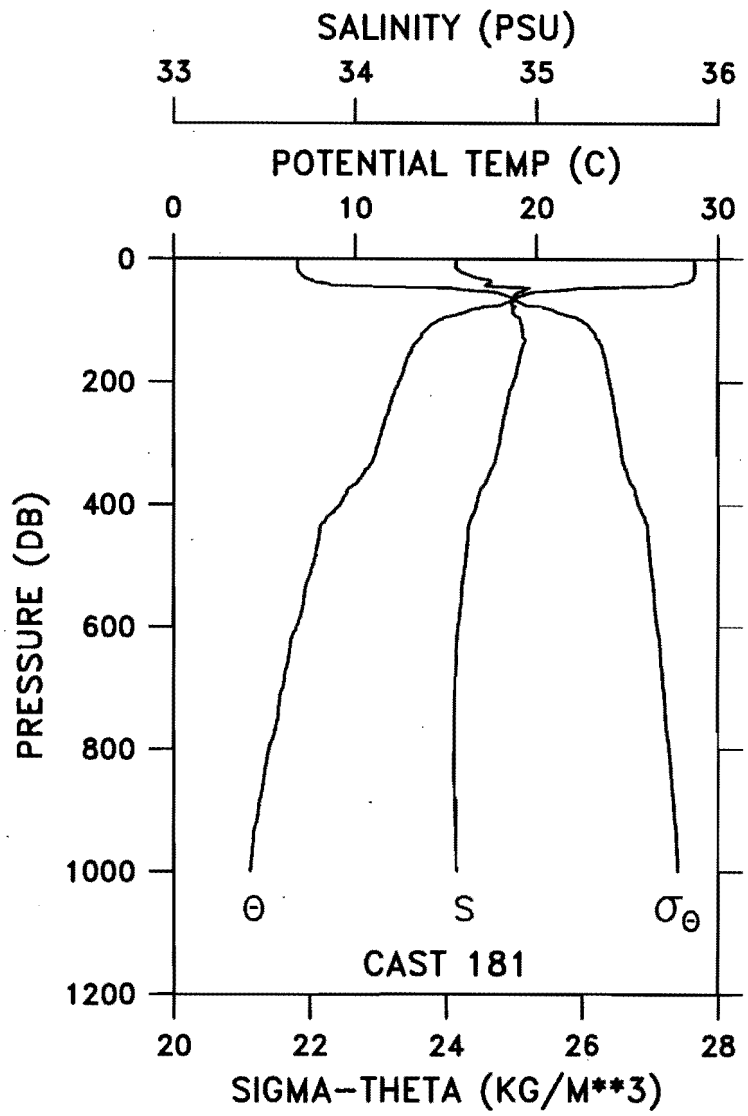
CAST GP2-98-KA-0161 DATE 11 MAY 98 TIME 0201 GMT
LAT 00 29.9N LONG 139 57.2W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 063 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 27.5 WET 26.2 DEPTH 4353 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.797	34.316	21.621	0.000
10	28.689	34.358	21.687	0.062
20	28.389	34.472	21.873	0.122
30	27.716	34.748	22.300	0.179
40	24.808	34.878	23.309	0.231
50	21.539	34.980	24.332	0.272
60	19.879	35.034	24.820	0.305
70	19.160	35.151	25.097	0.335
80	18.164	35.037	25.261	0.363
90	17.005	34.963	25.486	0.390
100	16.422	35.027	25.672	0.414
110	15.619	34.909	25.765	0.437
120	14.668	34.880	25.953	0.459
130	14.236	34.875	26.041	0.479
140	14.213	34.953	26.106	0.499
150	13.938	34.953	26.165	0.518
160	13.460	34.925	26.242	0.536
170	13.157	34.907	26.290	0.554
180	12.970	34.898	26.320	0.572
190	12.480	34.886	26.408	0.589
200	12.376	34.882	26.426	0.606
250	11.913	34.848	26.488	0.687
300	11.527	34.822	26.541	0.767
350	10.270	34.734	26.698	0.842
400	9.247	34.678	26.826	0.911
450	8.641	34.655	26.905	0.974
500	8.019	34.626	26.977	1.034
550	7.364	34.593	27.047	1.090
600	6.708	34.568	27.118	1.143
650	6.445	34.561	27.148	1.193
700	6.041	34.554	27.195	1.243
750	5.642	34.549	27.241	1.290
800	5.364	34.548	27.274	1.335
900	4.827	34.547	27.336	1.421
1000	4.478	34.554	27.380	1.503
1002	4.470	34.553	27.381	1.504



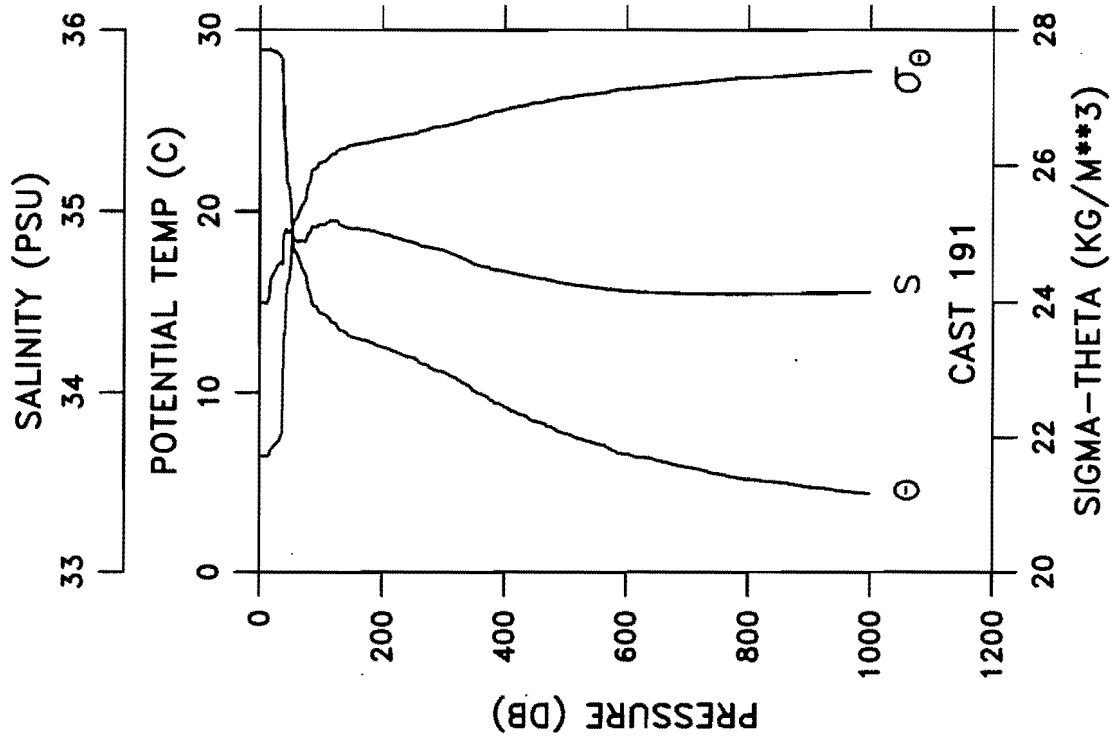
CAST GP2-98-KA-0171 DATE 11 MAY 98 TIME 0626 GMT
LAT 01 00.0N LONG 139 58.0W WEATHER 6 SEA STATE 3
BAROMETER 11 WIND DIR 059 T SPD 19 KT VISIBILITY 5
CLOUD 8 AMOUNT 7 DRY 27.1 WET 26.1 DEPTH 4315 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.803	34.420	21.697	0.000
10	28.808	34.428	21.701	0.061
20	28.735	34.522	21.795	0.122
30	28.469	34.632	21.966	0.181
40	27.702	34.731	22.292	0.238
50	22.130	34.945	24.141	0.283
60	20.274	34.947	24.650	0.319
70	18.867	34.921	24.995	0.350
80	17.635	34.894	25.281	0.378
90	16.791	34.862	25.459	0.405
100	16.211	34.837	25.575	0.429
110	15.081	34.804	25.804	0.453
120	14.306	34.837	25.997	0.474
130	14.132	34.851	26.045	0.494
140	13.964	34.867	26.093	0.514
150	13.750	34.876	26.144	0.533
160	13.479	34.886	26.208	0.552
170	13.367	34.900	26.242	0.570
180	13.209	34.904	26.277	0.588
190	12.668	34.887	26.372	0.605
200	12.488	34.886	26.406	0.622
250	11.880	34.845	26.492	0.704
300	11.463	34.809	26.542	0.783
350	10.262	34.721	26.690	0.857
400	9.007	34.666	26.856	0.925
450	8.304	34.636	26.943	0.986
500	7.923	34.619	26.987	1.045
550	7.382	34.594	27.046	1.102
600	6.639	34.566	27.127	1.155
650	6.384	34.560	27.155	1.205
700	5.979	34.551	27.201	1.254
750	5.719	34.547	27.231	1.301
800	5.391	34.546	27.269	1.347
900	4.901	34.547	27.327	1.434
1000	4.344	34.556	27.397	1.515
1003	4.344	34.555	27.396	1.517



CAST GP2-98-KA-0181 DATE 11 MAY 98 TIME 1047 GMT
LAT 01 30.3N LONG 139 59.2W WEATHER 6 SEA STATE 4
BAROMETER 09 WIND DIR 046 T SPD 11 KT VISIBILITY 7
CLOUD 7 AMOUNT 8 DRY 28.0 WET 26.5 DEPTH 4501 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.730	34.557	21.824	0.000
10	28.729	34.555	21.822	0.060
20	28.728	34.577	21.839	0.120
30	28.647	34.665	21.932	0.179
40	27.798	34.735	22.263	0.237
50	21.726	34.936	24.247	0.284
60	19.139	34.876	24.892	0.317
70	18.428	34.866	25.064	0.347
80	16.836	34.867	25.452	0.374
90	15.670	34.873	25.725	0.398
100	14.549	34.908	26.000	0.420
110	14.083	34.920	26.108	0.440
120	13.730	34.923	26.185	0.459
130	13.557	34.934	26.229	0.477
140	13.231	34.923	26.288	0.495
150	13.106	34.916	26.307	0.512
160	12.909	34.905	26.338	0.530
170	12.769	34.898	26.361	0.547
180	12.671	34.891	26.374	0.564
190	12.570	34.883	26.388	0.581
200	12.402	34.870	26.411	0.597
250	11.835	34.826	26.486	0.679
300	11.296	34.796	26.563	0.757
350	10.455	34.739	26.670	0.832
400	9.182	34.668	26.829	0.900
450	8.017	34.621	26.974	0.960
500	7.669	34.606	27.013	1.018
550	7.198	34.585	27.065	1.073
600	6.754	34.566	27.111	1.126
650	6.331	34.557	27.160	1.177
700	6.012	34.551	27.197	1.225
750	5.736	34.546	27.227	1.273
800	5.257	34.544	27.284	1.318
900	4.671	34.550	27.356	1.403
1000	4.221	34.558	27.412	1.481
1003	4.208	34.559	27.413	1.483

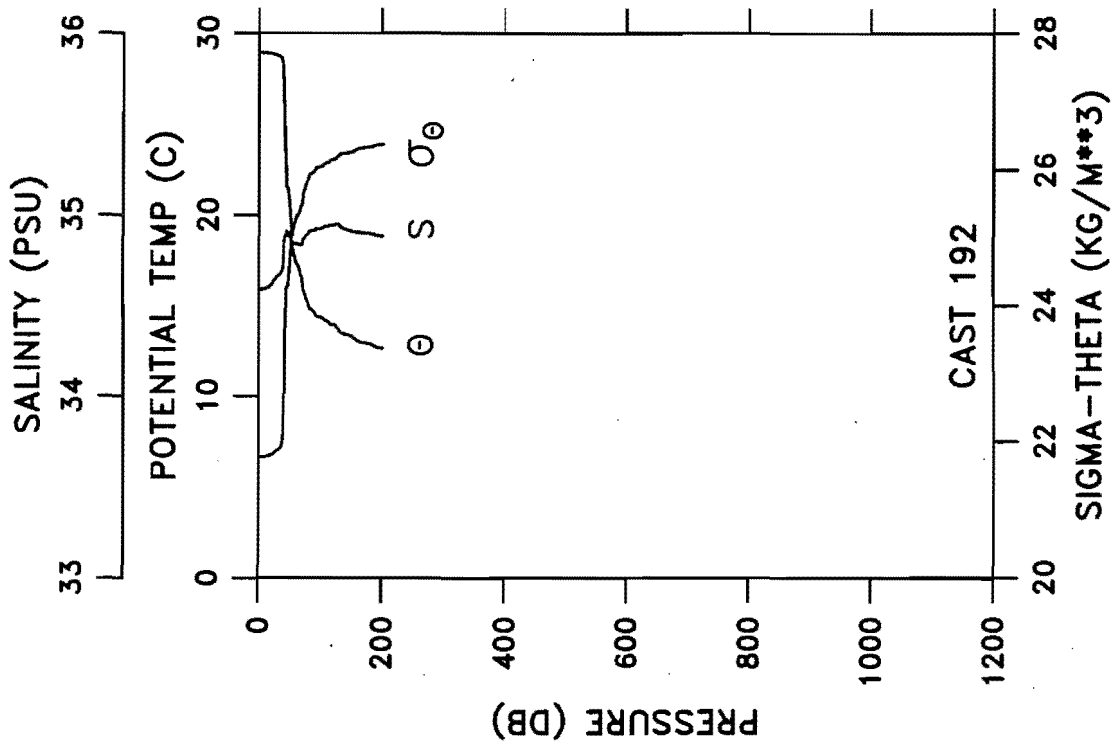


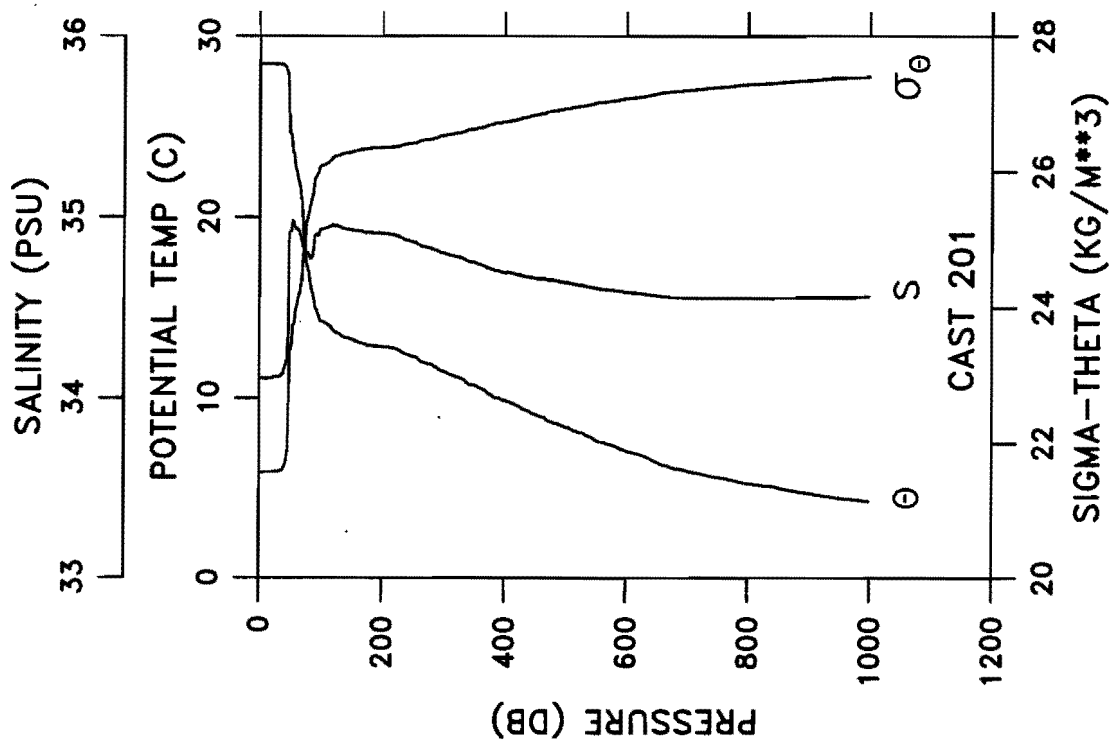
CAST GP2-98-KA-0191 DATE 11 MAY 98 TIME 1429 GMT
LAT 01 55.9N LONG 140 00.2W WEATHER 1 SEA STATE 4
BAROMETER 08 WIND DIR 077 T SPD 21 KT VISIBILITY 5
CLOUD 7 AMOUNT 8 DRY 26.7 WET 25.8 DEPTH 4380 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.912	34.500	21.721	0.000
10	28.908	34.495	21.718	0.061
20	28.869	34.639	21.839	0.121
30	28.695	34.703	21.945	0.181
40	24.176	34.879	23.499	0.236
50	20.713	34.893	24.492	0.275
60	17.651	34.835	25.232	0.304
70	16.791	34.834	25.438	0.331
80	15.645	34.875	25.733	0.355
90	14.775	34.913	25.955	0.376
100	14.397	34.925	26.046	0.397
110	14.193	34.937	26.098	0.416
120	13.881	34.946	26.171	0.435
130	13.459	34.927	26.244	0.454
140	13.343	34.912	26.256	0.472
150	13.085	34.905	26.303	0.489
160	13.004	34.903	26.318	0.507
170	12.907	34.898	26.333	0.524
180	12.795	34.893	26.351	0.541
190	12.651	34.885	26.374	0.559
200	12.539	34.875	26.388	0.575
250	11.947	34.829	26.467	0.658
300	11.161	34.786	26.580	0.736
350	10.087	34.709	26.710	0.809
400	9.192	34.670	26.829	0.877
450	8.404	34.634	26.926	0.939
500	7.707	34.603	27.006	0.998
550	7.152	34.580	27.067	1.053
600	6.569	34.561	27.132	1.106
650	6.220	34.555	27.173	1.156
700	5.834	34.548	27.217	1.204
750	5.462	34.547	27.261	1.250
800	5.154	34.546	27.297	1.294
900	4.717	34.550	27.351	1.379
1000	4.356	34.557	27.396	1.458
1005	4.348	34.556	27.397	1.462

CAST GP2-98-KA-0192 DATE 12 MAY 98 TIME 0245 GMT
LAT 01 59.0N LONG 139 59.2W WEATHER 6 SEA STATE 4
BAROMETER 08 WIND DIR 043 T SPD 18 KT VISIBILITY 5
CLOUD 7 AMOUNT 8 DRY 26.5 WET 28.9 DEPTH 4369 M

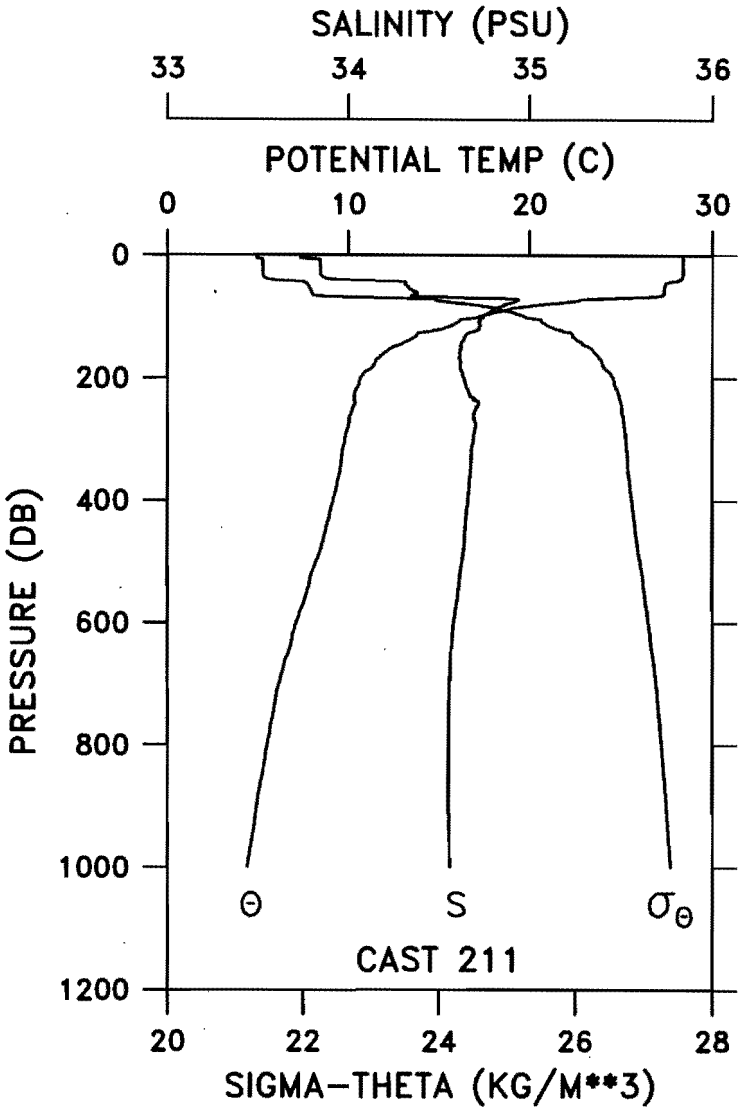
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.935	34.592	21.782	0.000
10	28.932	34.593	21.783	0.060
20	28.891	34.615	21.814	0.120
30	28.785	34.658	21.881	0.180
40	27.800	34.718	22.250	0.239
50	20.653	34.902	24.515	0.279
60	17.500	34.840	25.272	0.309
70	16.578	34.834	25.487	0.335
80	15.176	34.896	25.854	0.358
90	14.672	34.914	25.978	0.379
100	14.365	34.925	26.053	0.399
110	14.151	34.939	26.109	0.418
120	13.943	34.945	26.157	0.437
130	13.698	34.942	26.206	0.456
140	13.418	34.921	26.247	0.474
150	13.317	34.910	26.259	0.492
160	13.052	34.904	26.309	0.510
170	12.936	34.899	26.328	0.527
180	12.881	34.897	26.337	0.544
190	12.712	34.888	26.364	0.562
200	12.636	34.881	26.374	0.579
202	12.614	34.880	26.377	0.582





CAST GP2-98-KA-0201 DATE 12 MAY 98 TIME 1500 GMT
LAT 03 30.1N LONG 139 55.7W WEATHER 2 SEA STATE 4
BAROMETER 08 WIND DIR 050 T SPD 23 KT VISIBILITY 6
CLOUD 7 AMOUNT 6 DRY 28.0 WET 25.7 DEPTH 4373 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.477	34.113	21.574	0.000
10	28.472	34.112	21.574	0.062
20	28.474	34.111	21.574	0.124
30	28.468	34.119	21.581	0.187
40	28.372	34.165	21.648	0.249
50	24.691	34.917	23.374	0.306
60	22.563	34.933	24.009	0.348
70	20.160	34.837	24.597	0.385
80	16.973	34.791	25.361	0.414
90	15.040	34.896	25.884	0.438
100	14.262	34.934	26.082	0.458
110	14.112	34.942	26.119	0.478
120	13.752	34.959	26.208	0.497
130	13.546	34.944	26.239	0.515
140	13.349	34.934	26.271	0.533
150	13.256	34.929	26.286	0.550
160	13.117	34.923	26.311	0.568
170	13.016	34.917	26.326	0.585
180	12.913	34.914	26.344	0.603
190	12.881	34.913	26.350	0.620
200	12.848	34.909	26.354	0.637
250	12.318	34.862	26.422	0.722
300	11.493	34.801	26.531	0.803
350	10.751	34.751	26.627	0.880
400	9.895	34.694	26.731	0.951
450	9.101	34.662	26.838	1.019
500	8.401	34.639	26.930	1.081
550	7.679	34.608	27.014	1.140
600	7.089	34.586	27.080	1.196
650	6.465	34.567	27.150	1.248
700	5.985	34.555	27.203	1.297
750	5.615	34.553	27.248	1.343
800	5.247	34.553	27.292	1.388
900	4.736	34.555	27.352	1.473
1000	4.271	34.562	27.410	1.552
1003	4.253	34.563	27.412	1.554

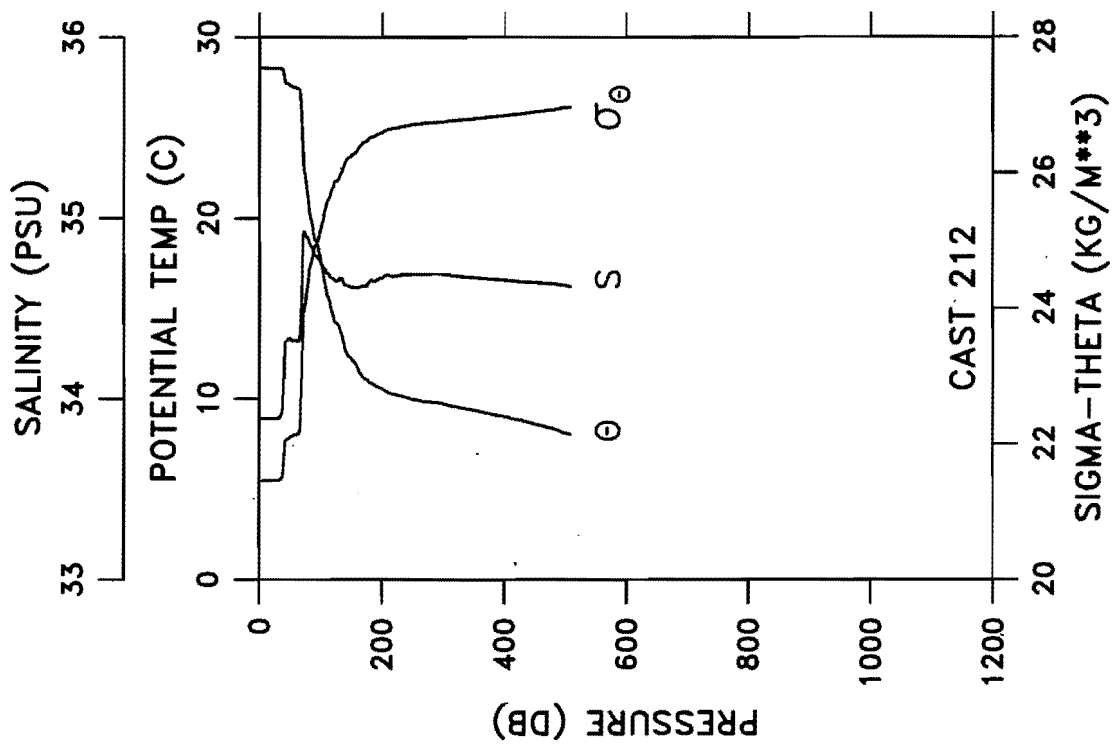


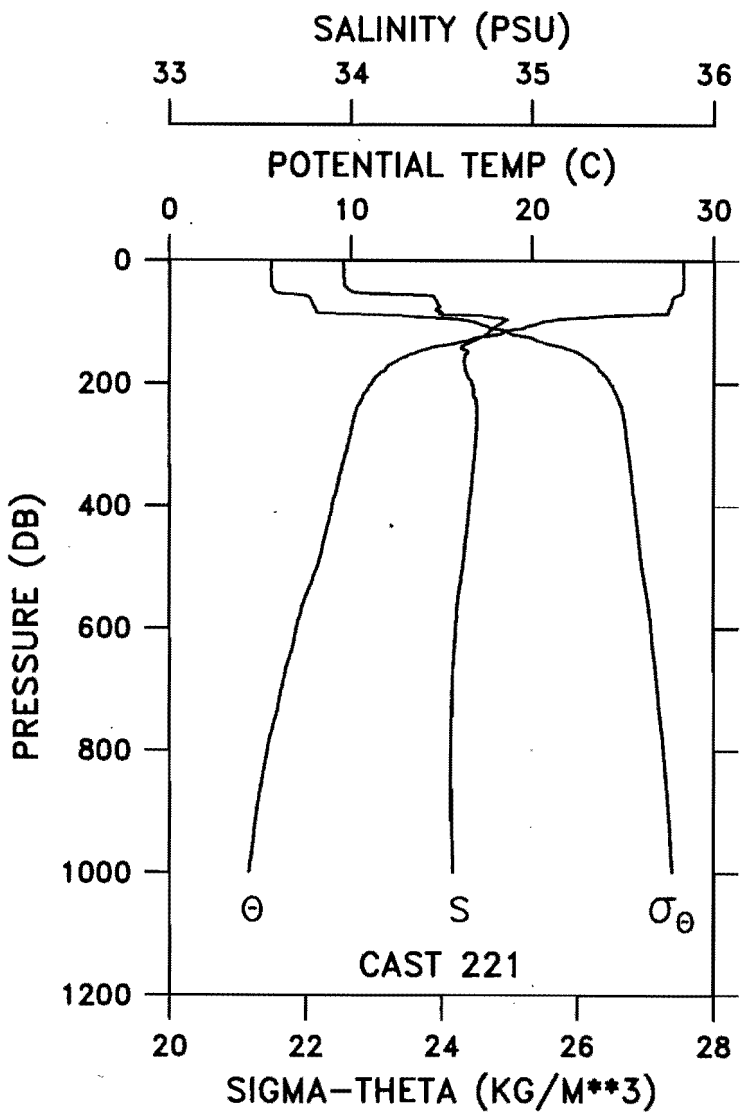
CAST GP2-98-KA-0211 DATE 13 MAY 98 TIME 0713 GMT
LAT 04 55.1N LONG 140 00.4W WEATHER 2 SEA STATE 4
BAROMETER 09 WIND DIR 047 T SPD 21 KT VISIBILITY 7
CLOUD AMOUNT 6 DRY 28.3 WET 26.0 DEPTH 4412 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.404	33.736	21.315	0.000
10	28.399	33.846	21.399	0.064
20	28.400	33.848	21.400	0.128
30	28.399	33.849	21.401	0.192
40	28.238	33.951	21.530	0.256
50	27.399	34.324	22.083	0.315
60	27.389	34.381	22.129	0.372
70	23.976	34.819	23.513	0.427
80	20.752	34.873	24.466	0.466
90	18.699	34.795	24.942	0.498
100	17.224	34.747	25.267	0.526
110	16.004	34.722	25.534	0.552
120	15.214	34.725	25.714	0.576
130	13.765	34.651	25.967	0.598
140	13.219	34.634	26.066	0.618
150	12.433	34.628	26.217	0.637
160	11.948	34.615	26.301	0.655
170	11.537	34.621	26.382	0.672
180	11.398	34.621	26.408	0.689
190	10.910	34.629	26.504	0.705
200	10.673	34.641	26.555	0.720
250	10.239	34.707	26.683	0.793
300	9.825	34.693	26.742	0.862
350	9.560	34.677	26.774	0.930
400	9.162	34.662	26.827	0.995
450	8.750	34.646	26.881	1.059
500	8.217	34.630	26.950	1.120
550	7.711	34.609	27.010	1.179
600	7.121	34.585	27.075	1.234
650	6.655	34.571	27.128	1.287
700	6.149	34.561	27.186	1.337
750	5.835	34.556	27.223	1.385
800	5.494	34.554	27.264	1.431
900	4.915	34.557	27.334	1.518
1000	4.407	34.564	27.397	1.599
1500	2.846	34.609	27.587	1.938
2000	2.043	34.645	27.684	2.212
2500	1.681	34.664	27.727	2.454
3000	1.458	34.675	27.753	2.687
3500	1.206	34.687	27.780	2.907
4000	1.079	34.693	27.793	3.122
4007	1.078	34.693	27.793	3.125

CAST GP2-98-KA-0212 DATE 13 MAY 98 TIME 1855 GMT
LAT 04 55.7N LONG 139 53.0W WEATHER 1 SEA STATE 4
BAROMETER 09 WIND DIR 031 T SPD 20 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 28.2 WET 25.5 DEPTH 4491 M

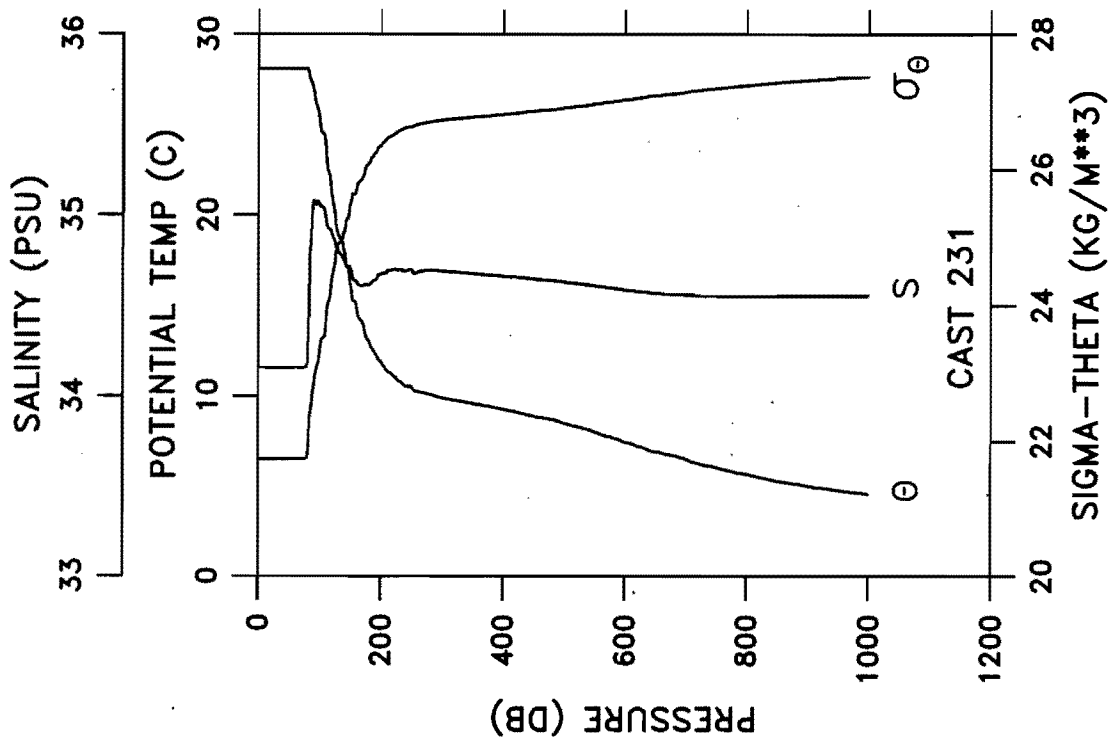
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.324	33.892	21.458	0.000
10	28.316	33.891	21.460	0.063
20	28.306	33.891	21.463	0.127
30	28.302	33.892	21.465	0.190
40	27.971	34.094	21.725	0.253
50	27.369	34.333	22.100	0.311
60	27.213	34.319	22.139	0.368
70	24.514	34.682	23.249	0.423
80	20.867	34.875	24.436	0.462
90	18.808	34.796	24.916	0.495
100	17.615	34.754	25.179	0.525
110	15.748	34.694	25.571	0.551
120	14.672	34.661	25.783	0.574
130	13.988	34.664	25.931	0.596
140	12.696	34.627	26.165	0.616
150	12.231	34.616	26.247	0.634
160	11.758	34.613	26.334	0.652
170	11.154	34.621	26.453	0.669
180	10.910	34.648	26.518	0.684
190	10.733	34.651	26.552	0.700
200	10.577	34.667	26.592	0.715
250	9.966	34.687	26.714	0.786
300	9.731	34.686	26.753	0.854
350	9.370	34.669	26.799	0.920
400	9.023	34.655	26.845	0.985
450	8.586	34.643	26.904	1.048
500	8.095	34.624	26.965	1.108
508	8.030	34.621	26.972	1.118





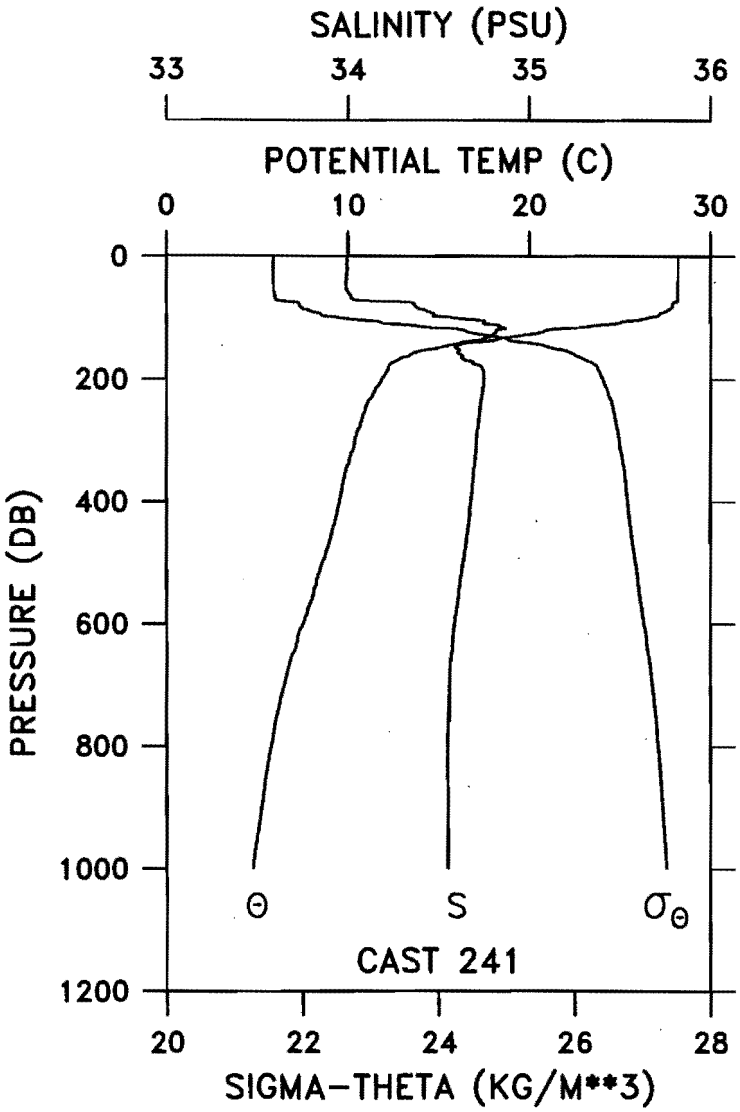
CAST GP2-98-KA-0221 DATE 14 MAY 98 TIME 1030 GMT
LAT 06 00.5N LONG 141 05.1W WEATHER 1 SEA STATE 4
BAROMETER 09 WIND DIR 047 T SPD 16 KT VISIBILITY 7
CLOUD AMOUNT 3 DRY 27.3 WET 25.7 DEPTH 4948 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.369	33.958	21.493	0.000
10	28.371	33.959	21.493	0.063
20	28.382	33.961	21.491	0.126
30	28.380	33.963	21.493	0.189
40	28.375	33.964	21.495	0.252
50	28.325	34.001	21.539	0.315
60	27.800	34.459	22.055	0.376
70	27.697	34.479	22.103	0.433
80	27.540	34.469	22.147	0.491
90	24.115	34.717	23.395	0.545
100	20.604	34.836	24.478	0.584
110	19.561	34.782	24.712	0.618
120	18.236	34.752	25.025	0.648
130	16.477	34.683	25.395	0.676
140	14.638	34.611	25.751	0.700
150	13.535	34.643	26.009	0.722
160	12.718	34.625	26.159	0.741
170	12.107	34.627	26.279	0.760
180	11.820	34.630	26.336	0.777
190	11.370	34.647	26.433	0.794
200	11.155	34.665	26.487	0.810
250	10.219	34.696	26.677	0.884
300	9.828	34.686	26.737	0.954
350	9.365	34.669	26.801	1.021
400	8.974	34.652	26.850	1.085
450	8.556	34.635	26.903	1.148
500	8.130	34.617	26.954	1.208
550	7.472	34.591	27.030	1.266
600	6.987	34.577	27.088	1.321
650	6.580	34.567	27.135	1.373
700	6.161	34.559	27.184	1.423
750	5.787	34.554	27.227	1.471
800	5.390	34.551	27.274	1.516
900	4.810	34.556	27.345	1.602
1000	4.359	34.564	27.401	1.682
1002	4.352	34.563	27.401	1.684



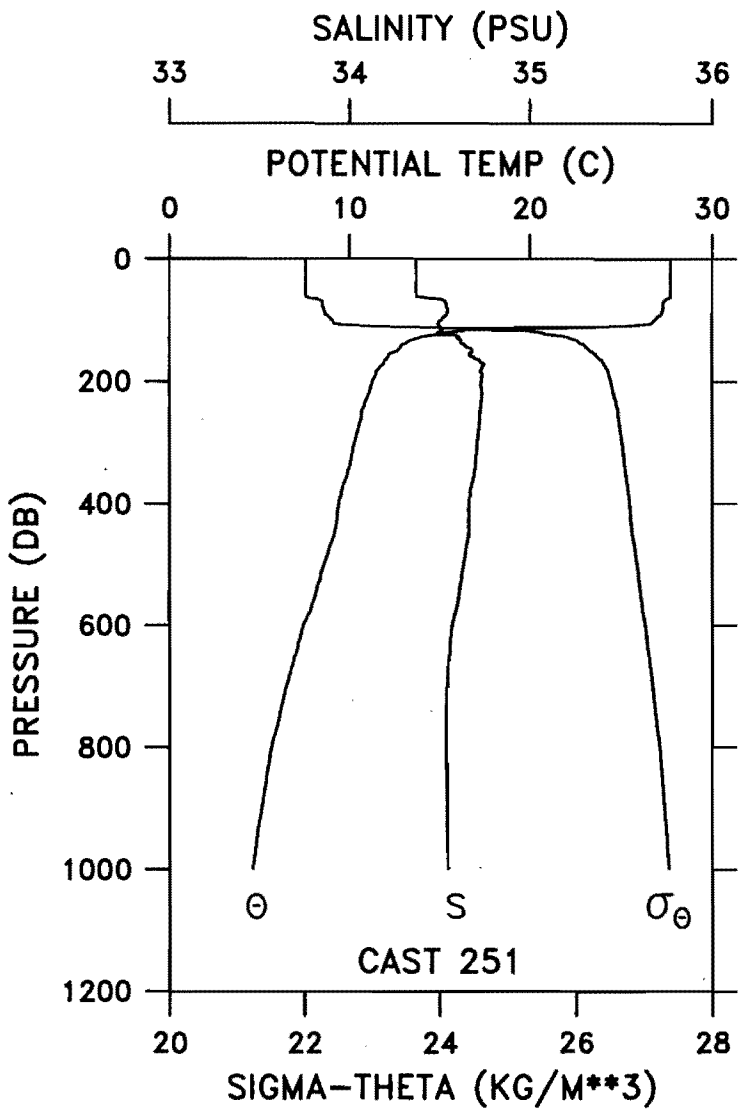
CAST GP2-98-KA-0231 DATE 14 MAY 98 TIME 2006 GMT
LAT 07 00.1N LONG 142 13.0W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 024 T SPD 16 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 28.2 WET 25.0 DEPTH 5030 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.108	34.163	21.732	0.000
10	28.094	34.159	21.734	0.061
20	28.090	34.160	21.736	0.121
30	28.080	34.159	21.738	0.182
40	28.075	34.159	21.740	0.243
50	28.073	34.159	21.741	0.304
60	28.073	34.160	21.741	0.365
70	28.071	34.160	21.742	0.426
80	28.047	34.190	21.773	0.486
90	26.912	35.080	22.808	0.541
100	25.149	35.054	23.339	0.590
110	23.735	34.980	23.706	0.634
120	21.020	34.891	24.407	0.672
130	18.884	34.800	24.899	0.705
140	17.938	34.744	25.092	0.736
150	16.087	34.699	25.497	0.763
160	14.892	34.629	25.711	0.787
170	14.031	34.609	25.879	0.809
180	13.061	34.613	26.082	0.830
190	12.386	34.642	26.237	0.848
200	11.942	34.675	26.348	0.866
250	10.528	34.696	26.624	0.944
300	9.908	34.689	26.725	1.014
350	9.586	34.676	26.769	1.082
400	9.267	34.661	26.810	1.149
450	8.910	34.647	26.857	1.213
500	8.507	34.630	26.906	1.276
550	8.027	34.609	26.963	1.337
600	7.458	34.586	27.028	1.395
650	6.928	34.569	27.089	1.450
700	6.509	34.562	27.140	1.502
750	6.049	34.555	27.195	1.552
800	5.673	34.552	27.240	1.600
900	5.014	34.554	27.320	1.689
1000	4.578	34.558	27.373	1.772
1005	4.569	34.558	27.373	1.776



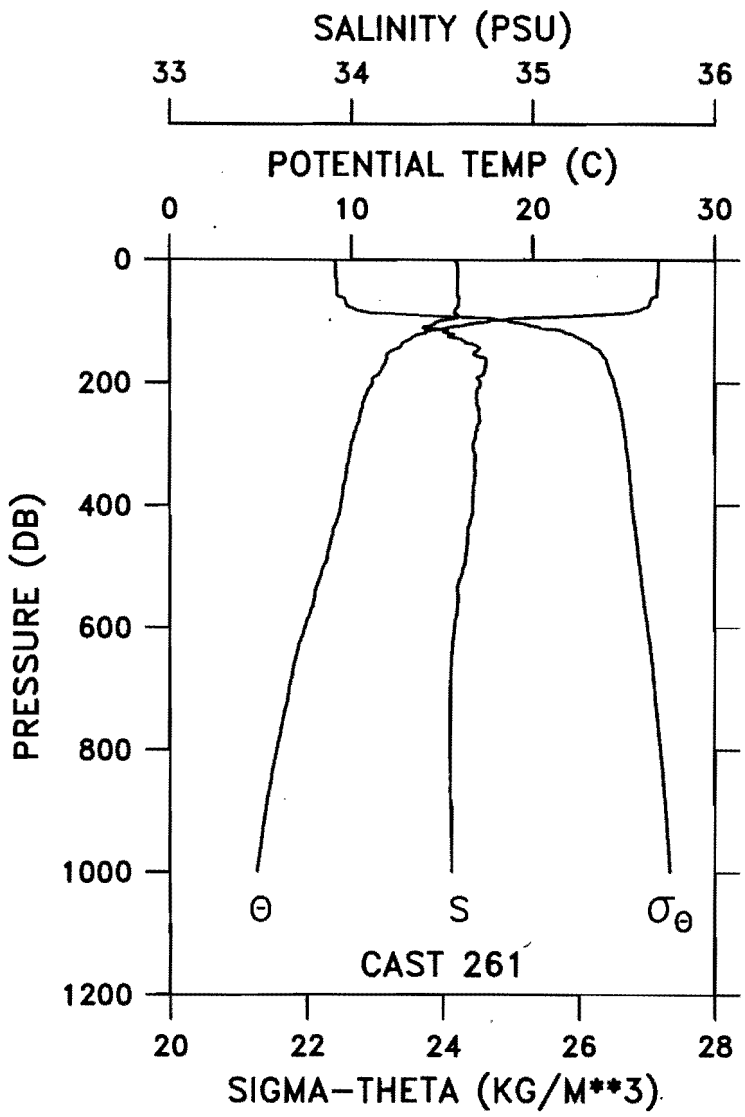
CAST GP2-98-KA-0241 DATE 15 MAY 98 TIME 0559 GMT
LAT 08 00.3N LONG 143 20.0W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 060 T SPD 20 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 27.3 WET 24.2 DEPTH 4885 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.228	33.996	21.568	0.000
10	28.226	33.995	21.568	0.062
20	28.223	33.997	21.570	0.125
30	28.218	33.992	21.568	0.187
40	28.195	33.990	21.574	0.249
50	28.188	33.990	21.576	0.312
60	28.201	34.005	21.583	0.374
70	28.189	34.028	21.604	0.437
80	27.884	34.370	21.961	0.497
90	27.496	34.443	22.141	0.555
100	26.595	34.573	22.527	0.611
110	24.742	34.753	23.235	0.660
120	20.951	34.817	24.369	0.701
130	19.343	34.790	24.774	0.736
140	16.917	34.622	25.244	0.766
150	14.919	34.598	25.680	0.791
160	13.489	34.624	26.003	0.812
170	12.675	34.649	26.186	0.832
180	12.241	34.738	26.340	0.850
190	12.087	34.750	26.379	0.867
200	11.869	34.751	26.421	0.883
250	10.945	34.728	26.574	0.962
300	10.368	34.709	26.662	1.036
350	9.871	34.693	26.735	1.107
400	9.534	34.677	26.779	1.175
450	9.115	34.660	26.833	1.241
500	8.579	34.633	26.898	1.305
550	8.103	34.611	26.953	1.366
600	7.524	34.587	27.020	1.424
650	6.928	34.569	27.090	1.479
700	6.470	34.561	27.145	1.531
750	6.058	34.555	27.194	1.581
800	5.757	34.552	27.229	1.629
900	5.206	34.552	27.296	1.720
1000	4.748	34.555	27.351	1.805
1004	4.729	34.555	27.354	1.809



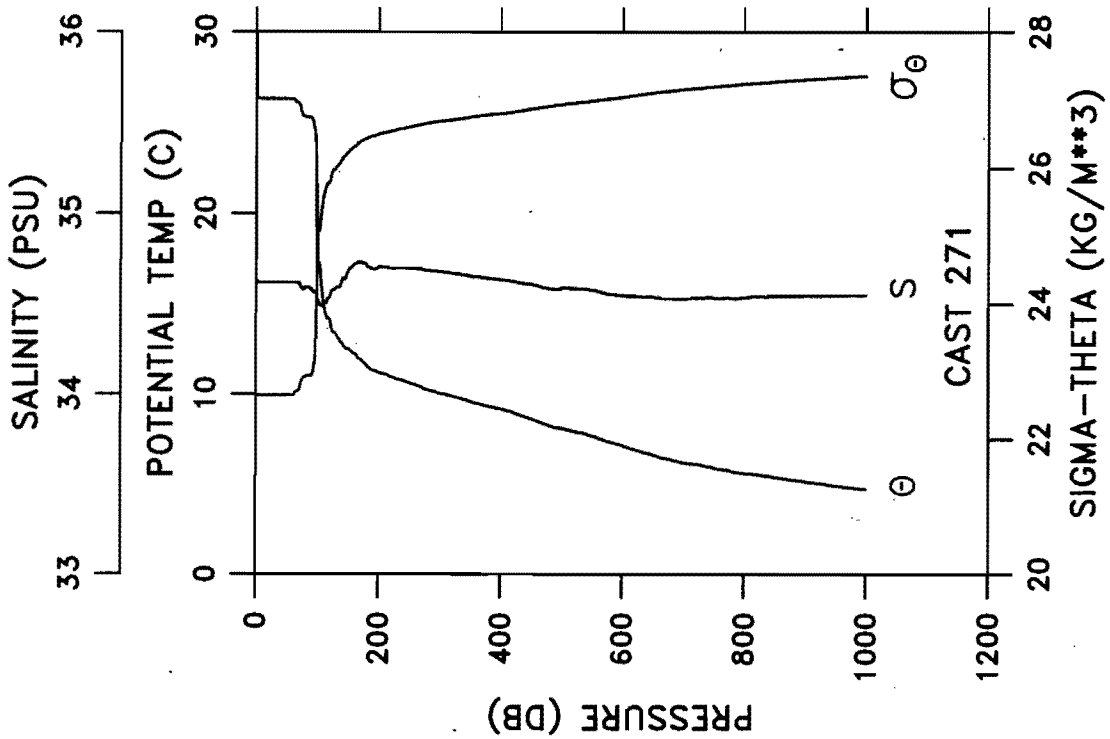
CAST GP2-98-KA-0251 DATE 15 MAY 98 TIME 1631 GMT
LAT 09 00.2N LONG 144 27.5W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 035 T SPD 16 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 26.7 WET 24.0 DEPTH 5140 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.698	34.375	22.025	0.000
10	27.696	34.374	22.025	0.058
20	27.699	34.374	22.024	0.116
30	27.696	34.374	22.025	0.174
40	27.696	34.374	22.025	0.232
50	27.699	34.374	22.024	0.290
60	27.700	34.374	22.024	0.348
70	27.317	34.534	22.268	0.405
80	27.301	34.544	22.280	0.461
90	27.192	34.541	22.313	0.517
100	26.814	34.508	22.408	0.572
110	24.989	34.498	22.967	0.625
120	15.333	34.486	25.503	0.658
130	13.711	34.603	25.941	0.680
140	12.928	34.643	26.131	0.700
150	12.655	34.683	26.216	0.719
160	12.132	34.692	26.325	0.737
170	11.922	34.743	26.405	0.754
180	11.588	34.730	26.458	0.770
190	11.450	34.735	26.487	0.786
200	11.273	34.730	26.516	0.802
250	10.671	34.722	26.618	0.878
300	10.266	34.707	26.678	0.950
350	9.890	34.692	26.730	1.020
400	9.416	34.664	26.788	1.088
450	9.153	34.661	26.829	1.154
500	8.583	34.633	26.897	1.218
550	8.102	34.606	26.950	1.279
600	7.441	34.571	27.019	1.338
650	6.978	34.556	27.072	1.393
700	6.481	34.544	27.130	1.446
750	6.104	34.539	27.175	1.497
800	5.660	34.540	27.232	1.545
900	5.131	34.545	27.299	1.636
1000	4.617	34.551	27.362	1.720
1004	4.610	34.550	27.363	1.724



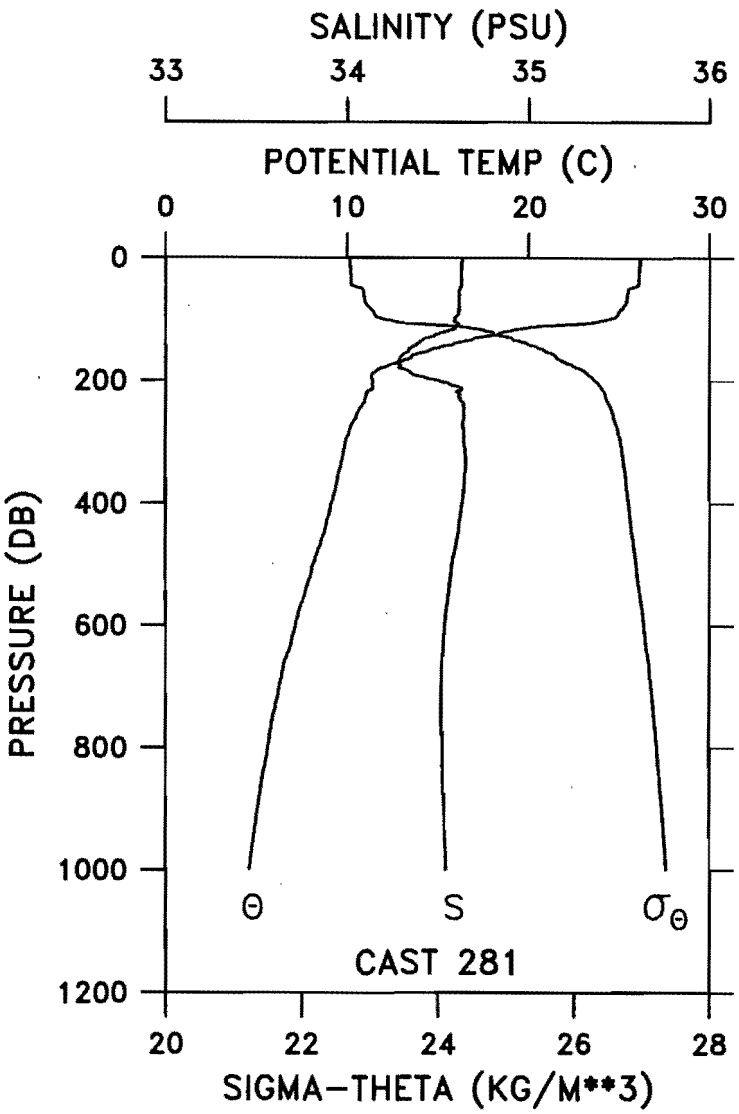
CAST GP2-98-KA-0261 DATE 16 MAY 98 TIME 0249 GMT
LAT 10 00.3N LONG 145 36.5W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 030 T SPD 19 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 25.9 WET 25.5 DEPTH 5122 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.913	34.574	22.427	0.000
10	26.908	34.582	22.434	0.054
20	26.906	34.583	22.436	0.108
30	26.870	34.581	22.446	0.162
40	26.849	34.581	22.452	0.216
50	26.845	34.581	22.454	0.270
60	26.682	34.587	22.510	0.324
70	26.431	34.588	22.590	0.377
80	25.968	34.571	22.722	0.429
90	23.303	34.579	23.528	0.479
100	17.623	34.476	24.964	0.514
110	15.316	34.393	25.435	0.541
120	13.930	34.537	25.844	0.565
130	13.176	34.608	26.054	0.585
140	12.739	34.689	26.205	0.604
150	12.089	34.677	26.322	0.622
160	11.968	34.738	26.392	0.639
170	11.797	34.744	26.429	0.656
180	11.630	34.733	26.452	0.672
190	11.265	34.702	26.496	0.688
200	11.153	34.709	26.521	0.704
250	10.482	34.701	26.635	0.779
300	9.984	34.669	26.697	0.850
350	9.703	34.679	26.752	0.919
400	9.415	34.664	26.788	0.986
450	8.940	34.640	26.846	1.052
500	8.450	34.617	26.905	1.115
550	7.961	34.587	26.956	1.176
600	7.391	34.564	27.021	1.234
650	6.911	34.550	27.076	1.289
700	6.529	34.542	27.122	1.342
750	6.183	34.539	27.165	1.394
800	5.854	34.540	27.208	1.443
900	5.247	34.545	27.286	1.535
1000	4.761	34.551	27.346	1.622
1005	4.720	34.550	27.350	1.626



CAST GP2-98-KA-0271 DATE 16 MAY 98 TIME 1314 GMT
LAT 11 00.0N LONG 146 44.3W WEATHER 1 SEA STATE 4
BAROMETER 10 WIND DIR 061 T SPD 17 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 24.8 WET 21.7 DEPTH 5169 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.309	34.622	22.653	0.000
10	26.311	34.620	22.652	0.052
20	26.310	34.620	22.652	0.104
30	26.309	34.620	22.652	0.156
40	26.310	34.620	22.652	0.208
50	26.307	34.620	22.653	0.260
60	26.302	34.621	22.655	0.312
70	26.005	34.614	22.742	0.364
80	25.339	34.591	22.931	0.414
90	25.262	34.585	22.949	0.463
100	18.557	34.529	24.774	0.509
110	15.000	34.499	25.587	0.537
120	14.134	34.539	25.804	0.559
130	13.339	34.592	26.009	0.580
140	12.850	34.628	26.135	0.600
150	12.543	34.679	26.235	0.619
160	12.272	34.715	26.316	0.636
170	11.946	34.729	26.389	0.653
180	11.646	34.717	26.437	0.670
190	11.347	34.693	26.474	0.686
200	11.216	34.703	26.505	0.702
250	10.634	34.697	26.606	0.778
300	10.058	34.678	26.691	0.850
350	9.596	34.653	26.750	0.920
400	9.178	34.634	26.803	0.986
450	8.639	34.610	26.870	1.051
500	8.123	34.586	26.930	1.113
550	7.690	34.577	26.988	1.172
600	7.153	34.547	27.041	1.229
650	6.629	34.540	27.107	1.283
700	6.185	34.530	27.158	1.334
750	5.905	34.533	27.196	1.383
800	5.594	34.536	27.237	1.431
900	5.138	34.546	27.300	1.521
1000	4.726	34.549	27.349	1.606
1004	4.719	34.549	27.350	1.610



CAST GP2-98-KA-0281 DATE 16 MAY 98 TIME 2246 GMT
LAT 11 49.7N LONG 147 41.0W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 058 T SPD 12 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 26.5 WET 23.0 DEPTH 5427 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.153	34.635	22.712	0.000
10	26.152	34.629	22.708	0.051
20	26.123	34.629	22.717	0.103
30	26.105	34.628	22.722	0.154
40	26.093	34.628	22.726	0.205
50	25.537	34.620	22.892	0.256
60	25.454	34.616	22.914	0.306
70	25.406	34.615	22.928	0.356
80	25.221	34.616	22.986	0.405
90	24.949	34.611	23.064	0.454
100	24.447	34.591	23.201	0.502
110	21.275	34.602	24.118	0.546
120	18.706	34.542	24.747	0.580
130	17.054	34.438	25.071	0.611
140	15.858	34.384	25.307	0.639
150	14.593	34.340	25.552	0.665
160	13.598	34.300	25.730	0.689
170	12.808	34.281	25.875	0.711
180	11.808	34.295	26.078	0.732
190	11.374	34.367	26.215	0.751
200	11.426	34.509	26.316	0.769
250	10.627	34.641	26.563	0.850
300	9.901	34.639	26.688	0.923
350	9.531	34.647	26.756	0.992
400	9.144	34.632	26.807	1.059
450	8.736	34.610	26.855	1.124
500	8.124	34.577	26.923	1.186
550	7.673	34.558	26.975	1.246
600	7.156	34.539	27.034	1.303
650	6.683	34.527	27.090	1.358
700	6.274	34.522	27.140	1.410
750	5.894	34.516	27.184	1.460
800	5.627	34.528	27.226	1.508
900	5.065	34.535	27.299	1.599
1000	4.603	34.545	27.360	1.684
1500	3.084	34.593	27.553	2.043
2000	2.099	34.634	27.671	2.332
2500	1.693	34.658	27.721	2.579
3000	1.483	34.671	27.747	2.814
3500	1.307	34.680	27.767	3.043
4000	1.132	34.688	27.786	3.267
4105	1.105	34.689	27.789	3.313

CAST GP2-98-KA-0011 LAT 08 02.0N LONG 125 03.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	27.899	33.411	27.898	21.236
500.	8.481	34.616	8.428	26.907
1001.	4.751	34.561	4.670	27.364
2003.	2.182	34.643	2.042	27.682
2250.	1.945	34.659	1.788	27.715
2997.	1.689	34.675	1.468	27.752
3243.	1.593	34.680	1.351	27.765
3503.	1.527	34.688	1.260	27.775
3747.	1.480	34.687	1.189	27.782
4009.	1.418	34.691	1.101	27.791

CAST GP2-98-KA-0012 LAT 08 02.0N LONG 125 02.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
11.	27.839	33.511	27.837	21.331
25.	27.834	33.514	27.828	21.335
41.	26.972	34.277	26.963	22.190
60.	26.872	34.345	26.858	22.270
101.	15.889	34.634	15.873	25.492
150.	12.469	34.715	12.449	26.280
200.	11.439	34.739	11.414	26.497
248.	10.802	34.726	10.772	26.604
299.	10.363	34.710	10.327	26.669
401.	9.410	34.666	9.365	26.798
503.	8.184	34.600	8.132	26.942

CAST GP2-98-KA-0021 LAT 07 00.5N LONG 124 58.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	27.854	33.743	27.854	21.501
11.	27.865	33.744	27.862	21.498
26.	27.822	33.819	27.816	21.569
41.	27.797	33.903	27.788	21.642
61.	27.820	34.391	27.806	21.998
100.	17.989	34.703	17.972	25.049
151.	12.901	34.671	12.880	26.153

CAST GP2-98-KA-0031 LAT 06 00.0N LONG 124 55.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.563	33.729	28.562	21.257
11.	28.561	33.729	28.558	21.259
25.	28.565	33.728	28.559	21.258
40.	28.326	33.933	28.316	21.577
58.	27.673	34.370	27.660	22.028
102.	15.632	34.638	15.616	25.555
151.	12.593	34.793	12.573	26.319
202.	11.492	34.756	11.466	26.500
403.	9.406	34.672	9.360	26.804
600.	7.300	34.586	7.241	27.060
799.	5.527	34.554	5.458	27.267
999.	4.548	34.562	4.468	27.388

CAST GP2-98-KA-0041 LAT 05 13.0N LONG 125 00.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.913	33.711	28.912	21.128
10.	28.884	33.712	28.882	21.138
25.	28.747	33.871	28.741	21.281
39.	26.951	34.399	26.942	22.326
61.	22.009	34.884	21.997	24.120
100.	16.055	34.652	16.039	25.467
152.	12.171	34.770	12.151	26.381
203.	10.913	34.725	10.888	26.582
400.	9.172	34.662	9.128	26.833
602.	6.946	34.577	6.889	27.102
801.	5.518	34.554	5.450	27.268
1004.	4.478	34.564	4.398	27.397

CAST GP2-98-KA-0051 LAT 04 00.8N LONG 125 01.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.351	33.766	28.351	21.355
10.	28.344	33.771	28.342	21.361
24.	26.997	34.163	26.992	22.121
39.	22.014	34.916	22.007	24.152
60.	17.394	34.755	17.384	25.230
100.	14.642	34.972	14.627	26.034
150.	13.168	34.912	13.147	26.296
200.	12.492	34.865	12.466	26.394
400.	9.616	34.674	9.571	26.771
599.	7.132	34.588	7.074	27.084
799.	5.559	34.561	5.490	27.269
1005.	4.549	34.564	4.468	27.389

CAST GP2-98-KA-0061 LAT 03 00.3N LONG 125 04.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.055	33.989	28.054	21.620
11.	28.032	33.991	28.030	21.623
26.	20.511	34.825	20.507	24.493
41.	15.927	34.864	15.920	25.665
60.	14.962	34.979	14.953	25.969
100.	14.256	34.983	14.241	26.125
149.	13.502	34.935	13.481	26.246
201.	12.889	34.890	12.861	26.337
401.	9.778	34.690	9.731	26.756
601.	6.733	34.569	6.676	27.123
801.	5.545	34.558	5.476	27.267

CAST GP2-98-KA-0071 LAT 01 55.2N LONG 125 04.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.071	34.164	28.070	21.746
10.	28.066	34.164	28.064	21.746
24.	23.593	34.692	23.588	23.532
39.	18.394	34.837	18.387	25.047
61.	15.017	34.932	15.007	25.919
99.	14.027	34.973	14.013	26.166
149.	13.457	34.950	13.436	26.267
200.	13.066	34.924	13.038	26.327
401.	9.248	34.679	9.203	26.834
601.	6.591	34.558	6.535	27.134
800.	5.495	34.545	5.426	27.264
1003.	4.579	34.555	4.498	27.380

CAST GP2-98-KA-0081 LAT 00 59.9N LONG 124 47.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.045	34.277	28.045	21.839
10.	28.038	34.279	28.035	21.840
24.	24.024	34.676	24.020	23.396
42.	18.596	34.935	18.589	25.090
59.	17.218	34.908	17.208	25.394
101.	14.660	34.898	14.645	25.973
151.	13.493	34.959	13.472	26.266
199.	13.026	34.933	12.998	26.340
400.	9.174	34.670	9.129	26.839
600.	6.959	34.578	6.902	27.099
798.	5.415	34.549	5.347	27.276
1003.	4.386	34.560	4.307	27.403

CAST GP2-98-KA-0091 LAT 00 13.9S LONG 124 22.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.117	34.245	28.116	21.791
10.	28.110	34.244	28.107	21.792
26.	25.178	34.997	25.173	23.334
42.	20.359	35.051	20.351	24.714
100.	17.033	35.261	17.017	25.709
153.	14.652	35.013	14.629	26.063
202.	13.475	34.960	13.447	26.273
401.	9.371	34.696	9.326	26.826
601.	6.983	34.580	6.926	27.099
800.	5.355	34.550	5.287	27.284
1001.	4.389	34.560	4.310	27.403

CAST GP2-98-KA-0101 LAT 01 00.1S LONG 124 33.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.870	33.695	28.869	21.130
12.	28.869	33.693	28.866	21.131
25.	28.546	33.919	28.540	21.406
41.	25.002	34.940	24.993	23.466
60.	21.615	35.477	21.604	24.689
100.	15.994	35.209	15.979	25.910
149.	13.620	34.985	13.598	26.261
200.	13.209	34.944	13.181	26.315
399.	9.408	34.702	9.363	26.826
600.	6.871	34.573	6.814	27.108
800.	5.414	34.549	5.346	27.277
1003.	4.316	34.557	4.238	27.409

CAST GP2-98-KA-0111 LAT 02 02.7S LONG 124 52.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.432	33.315	29.432	20.658
9.	29.261	33.319	29.258	20.723
25.	29.398	33.623	29.392	20.908
40.	26.908	35.542	26.899	23.123
59.	17.295	35.285	17.285	25.629
101.	13.535	34.972	13.521	26.267
150.	13.059	34.932	13.038	26.334
201.	12.828	34.917	12.801	26.370
401.	8.810	34.674	8.767	26.900
601.	6.537	34.567	6.482	27.149
800.	5.179	34.546	5.112	27.302
1005.	4.245	34.558	4.167	27.418

CAST GP2-98-KA-0131 LAT 00 59.9S LONG 139 56.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.714	34.047	29.713	21.108
10.	29.714	34.045	29.712	21.108
25.	26.940	35.025	26.935	22.763
40.	25.609	35.142	25.600	23.268
61.	23.813	35.454	23.800	24.053
101.	17.423	35.326	17.406	25.668
150.	13.629	34.974	13.608	26.252
199.	12.598	34.897	12.571	26.399
401.	9.865	34.719	9.818	26.765
601.	6.922	34.568	6.865	27.100
800.	5.215	34.543	5.149	27.295
1004.	4.314	34.533	4.236	27.411

CAST GP2-98-KA-0141 LAT 00 01.9S LONG 139 54.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.865	34.313	28.865	21.595
501.	7.995	34.618	7.943	26.983
1000.	4.485	34.555	4.406	27.389
2000.	2.355	34.635	2.213	27.663
2250.	2.025	34.658	1.867	27.705
2500.	1.888	34.659	1.709	27.723
2750.	1.769	34.667	1.570	27.739
2998.	1.685	34.678	1.465	27.750
3248.	1.584	34.681	1.341	27.764
3750.	1.428	34.691	1.137	27.788
4005.	1.395	34.691	1.078	27.795

CAST GP2-98-KA-0151 LAT 00 02.7S LONG 139 57.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.542	34.390	28.542	21.759
10.	28.296	34.425	28.294	21.871
25.	26.732	34.796	26.726	22.668
41.	22.918	34.939	22.910	23.920
62.	20.827	35.124	20.815	24.650
100.	16.722	35.188	16.705	25.728
150.	13.499	34.945	13.478	26.251
201.	12.449	34.881	12.422	26.417
400.	9.798	34.706	9.752	26.765
501.	7.985	34.617	7.933	26.986

CAST GP2-98-KA-0161 LAT 00 29.9N LONG 139 57.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.756	34.333	28.756	21.646
10.	28.594	34.385	28.591	21.744
27.	27.896	34.598	27.889	22.194
39.	24.112	34.879	24.103	23.513
62.	19.742	35.041	19.731	24.870
101.	15.920	34.958	15.904	25.726
150.	13.819	34.935	13.798	26.181
200.	12.381	34.878	12.355	26.426
400.	9.270	34.674	9.225	26.826
600.	6.758	34.566	6.701	27.117
800.	5.412	34.546	5.344	27.275
1001.	4.551	34.553	4.471	27.381

CAST GP2-98-KA-0171 LAT 01 00.0N LONG 139 58.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.798	34.424	28.797	21.701
10.	28.803	34.439	28.801	21.713
25.	28.685	34.544	28.679	21.834
41.	27.441	34.732	27.431	22.370
62.	19.356	34.922	19.344	24.868
98.	15.105	34.796	15.090	25.794
152.	13.476	34.884	13.455	26.213
202.	12.349	34.870	12.322	26.427
400.	9.039	34.660	8.995	26.852
601.	6.805	34.565	6.748	27.111
801.	5.502	34.545	5.433	27.263
1002.	4.424	34.555	4.345	27.396

CAST GP2-98-KA-0181 LAT 01 30.3N LONG 139 59.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.747	34.562	28.747	21.820
10.	28.746	34.561	28.743	21.821
24.	28.702	34.629	28.696	21.888
40.	27.473	34.724	27.464	22.345
60.	18.623	34.861	18.612	25.004
100.	14.404	34.899	14.389	26.026
151.	13.068	34.908	13.047	26.311
200.	12.463	34.870	12.436	26.402
404.	9.240	34.665	9.195	26.824
601.	6.860	34.565	6.803	27.104
799.	5.348	34.545	5.281	27.281
999.	4.299	34.559	4.221	27.412

CAST GP2-98-KA-0191 LAT 01 55.9N LONG 140 00.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.908	34.486	28.907	21.712
102.	14.390	34.915	14.375	26.045
200.	12.581	34.872	12.554	26.383
301.	11.216	34.783	11.178	26.575
402.	9.246	34.665	9.201	26.823
499.	7.760	34.601	7.710	27.003
603.	6.619	34.559	6.563	27.131
704.	5.893	34.546	5.831	27.216
799.	5.222	34.544	5.156	27.296
871.	4.967	34.546	4.896	27.328
1004.	4.431	34.554	4.352	27.396
1002.	4.434	34.556	4.355	27.396

CAST GP2-98-KA-0201 LAT 03 30.1N LONG 139 55.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.477	34.110	28.477	21.570
10.	28.476	34.109	28.473	21.571
25.	28.471	34.118	28.465	21.581
42.	26.342	34.322	26.333	22.640
60.	21.582	34.893	21.570	24.249
100.	14.034	34.937	14.019	26.136
151.	13.104	34.917	13.083	26.313
203.	12.816	34.900	12.789	26.357
402.	9.927	34.689	9.881	26.730
600.	7.120	34.582	7.062	27.081
800.	5.307	34.552	5.240	27.292
1001.	4.343	34.562	4.265	27.410

CAST GP2-98-KA-0211 LAT 04 55.1N LONG 140 00.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
5.	28.382	33.845	28.381	21.404
500.	8.132	34.621	8.080	26.964
1000.	4.484	34.564	4.404	27.396
2000.	2.172	34.646	2.033	27.684
2248.	1.956	34.660	1.799	27.713
2498.	1.853	34.664	1.676	27.728
2751.	1.788	34.669	1.588	27.738
3000.	1.663	34.675	1.442	27.754
3249.	1.536	34.681	1.294	27.770
3749.	1.425	34.691	1.135	27.787
4007.	1.395	34.692	1.079	27.793

CAST GP2-98-KA-0212 LAT 04 55.7N LONG 139 53.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.325	33.889	28.325	21.456
3.	28.327	33.889	28.326	21.456
9.	28.319	33.890	28.317	21.459
24.	28.308	33.891	28.303	21.464
39.	28.165	33.962	28.156	21.583
60.	27.215	34.317	27.201	22.136
101.	18.041	34.750	18.024	25.073
150.	12.317	34.609	12.297	26.228
201.	10.590	34.662	10.566	26.591
503.	8.123	34.619	8.070	26.967

CAST GP2-98-KA-0221 LAT 06 00.5N LONG 141 05.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.344	33.972	28.344	21.513
10.	28.356	33.971	28.354	21.509
26.	28.368	33.970	28.361	21.506
40.	28.373	33.969	28.363	21.505
61.	28.140	34.180	28.126	21.797
101.	21.025	34.829	21.006	24.363
151.	13.641	34.628	13.620	25.983
201.	11.186	34.656	11.161	26.480
398.	9.023	34.648	8.980	26.847
596.	7.045	34.574	6.988	27.086
797.	5.486	34.549	5.418	27.269
998.	4.450	34.563	4.371	27.399

CAST GP2-98-KA-0231 LAT 07 00.1N LONG 142 13.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.114	34.157	28.113	21.726
10.	28.108	34.157	28.106	21.728
24.	28.094	34.157	28.088	21.734
40.	28.089	34.157	28.080	21.736
60.	28.088	34.157	28.074	21.738
101.	25.769	35.063	25.746	23.155
150.	15.758	34.645	15.734	25.539
200.	11.831	34.667	11.806	26.367
401.	9.277	34.655	9.232	26.811
600.	7.453	34.580	7.394	27.033
800.	5.673	34.550	5.603	27.246
1004.	4.654	34.559	4.572	27.373

CAST GP2-98-KA-0251 LAT 09 00.2N LONG 144 27.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	27.703	34.373	27.702	22.022
10.	27.703	34.373	27.701	22.022
24.	27.708	34.372	27.702	22.021
39.	27.707	34.372	27.698	22.023
60.	27.447	34.503	27.433	22.211
101.	26.744	34.496	26.721	22.419
150.	12.841	34.634	12.821	26.146
200.	11.359	34.728	11.334	26.503
398.	9.463	34.660	9.418	26.785
599.	7.464	34.567	7.405	27.020
802.	5.722	34.538	5.652	27.231
1004.	4.692	34.550	4.610	27.363

CAST GP2-98-KA-0261 LAT 10 00.3N LONG 145 36.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	26.900	34.583	26.899	22.438
10.	26.905	34.582	26.903	22.437
23.	26.900	34.582	26.894	22.439
38.	26.880	34.580	26.871	22.445
60.	26.537	34.585	26.524	22.556
102.	16.171	34.412	16.155	25.253
150.	12.276	34.683	12.257	26.292
200.	11.201	34.680	11.176	26.499
405.	9.529	34.664	9.483	26.777
601.	7.634	34.570	7.573	26.998
801.	5.931	34.539	5.860	27.205
1004.	4.812	34.549	4.730	27.349

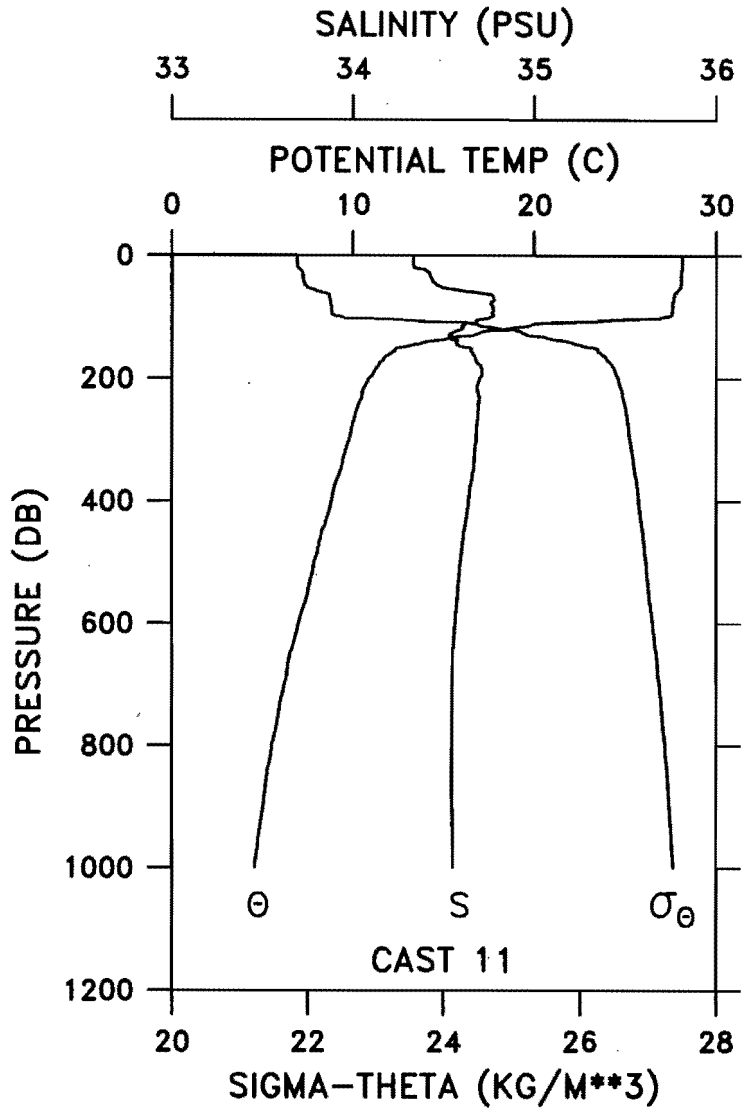
CAST GP2-98-KA-0271 LAT 11 00.0N LONG 146 44.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	26.292	34.619	26.291	22.657
11.	26.295	34.619	26.292	22.657
25.	26.301	34.619	26.295	22.656
42.	26.310	34.619	26.300	22.654
61.	26.276	34.617	26.262	22.664
101.	20.258	34.465	20.240	24.282
148.	12.729	34.617	12.709	26.161
201.	11.260	34.691	11.235	26.497
400.	9.155	34.629	9.111	26.809
601.	7.260	34.545	7.201	27.033
799.	5.689	34.535	5.619	27.232
1002.	4.801	34.549	4.719	27.349

CAST GP2-98-KA-0281 LAT 11 49.7N LONG 147 41.0W

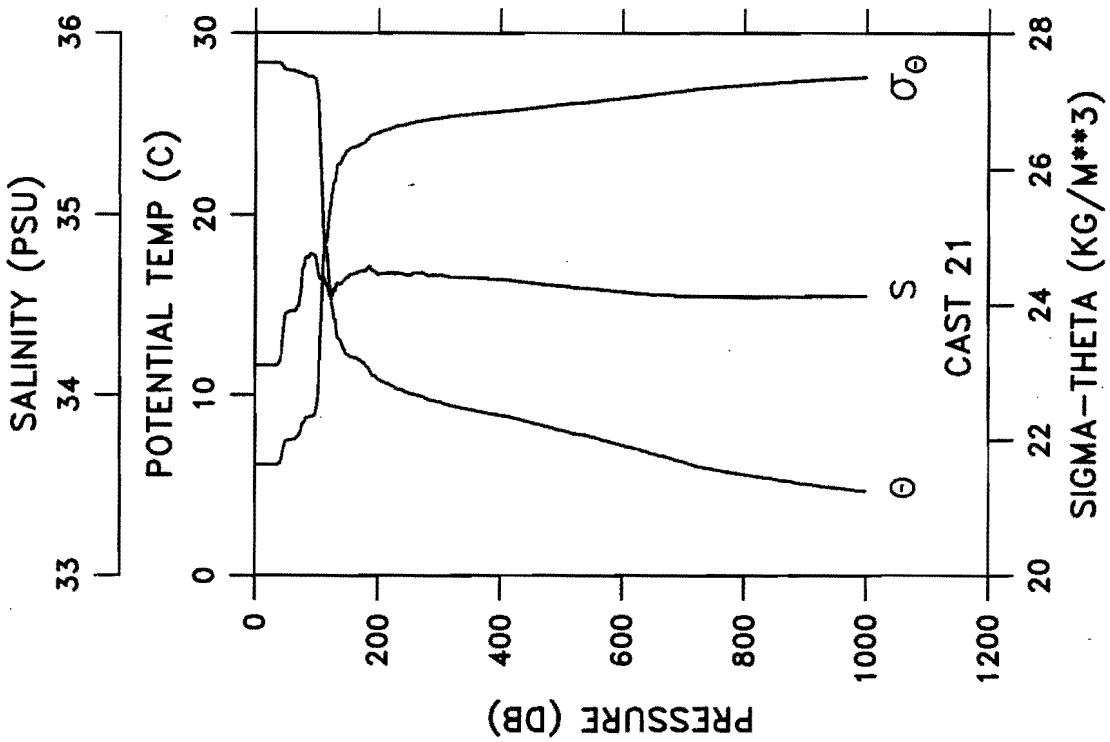
PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	26.168	34.634	26.167	22.708
10.	26.159	34.634	26.157	22.710
25.	26.094	34.631	26.089	22.730
39.	26.074	34.630	26.066	22.736
60.	25.458	34.616	25.445	22.917
101.	20.590	34.588	20.571	24.292
152.	12.838	34.254	12.817	25.852
200.	11.392	34.618	11.367	26.413
3249.	1.630	34.676	1.385	27.758
3501.	1.571	34.679	1.303	27.767
3750.	1.507	34.684	1.215	27.777
3997.	1.452	34.688	1.135	27.785

GP3-98-KA
June 2–July 2, 1998
CTD and Hydrographic Data Summary



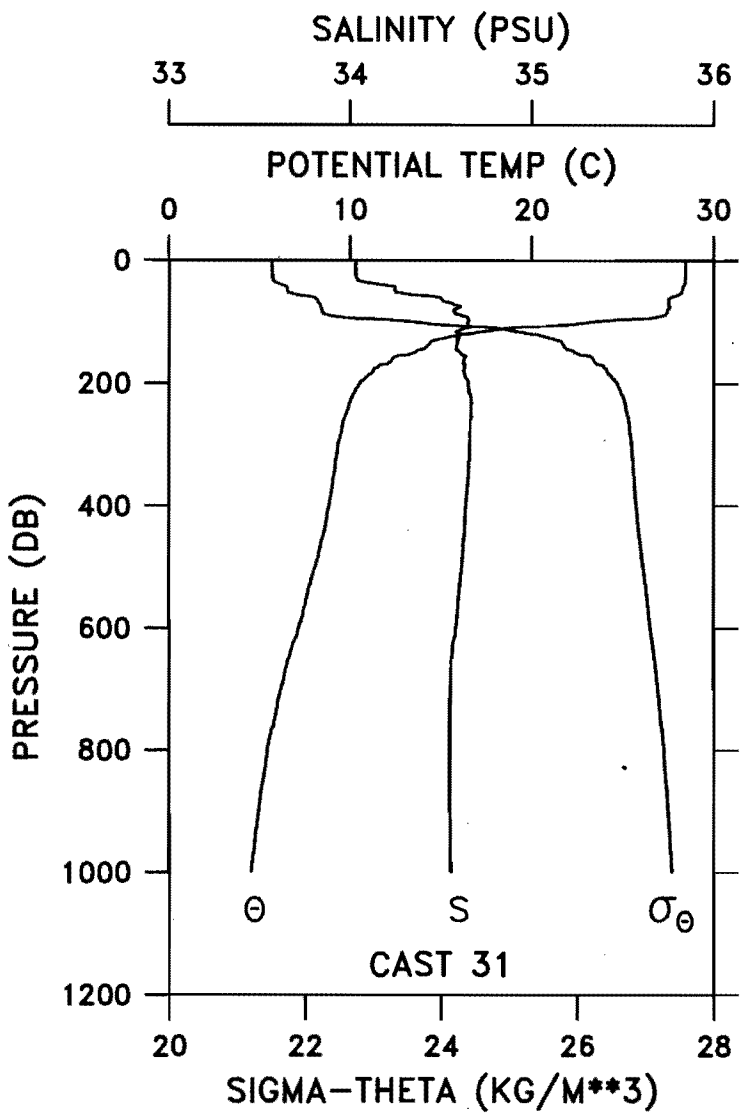
CAST GP3-98-KA-0011 DATE 06 JUN 98 TIME 0648 GMT
LAT 07 58.1N LONG 155 00.1W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 053 T SPD 19 KT VISIBILITY 7
CLOUD X AMOUNT 9 DRY 25.7 WET 25.7 DEPTH 5212 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.144	34.337	21.852	0.000
10	28.140	34.335	21.851	0.060
20	28.143	34.343	21.856	0.119
30	28.092	34.426	21.935	0.178
40	28.095	34.440	21.945	0.237
50	28.062	34.486	21.990	0.296
60	27.800	34.688	22.227	0.353
70	27.680	34.778	22.334	0.409
80	27.603	34.766	22.350	0.464
90	27.600	34.775	22.358	0.519
100	27.062	34.761	22.520	0.574
110	20.395	34.623	24.371	0.619
120	18.232	34.597	24.907	0.653
130	16.588	34.537	25.257	0.682
140	14.075	34.571	25.840	0.706
150	12.511	34.648	26.217	0.726
160	12.040	34.664	26.321	0.744
170	11.680	34.678	26.400	0.761
180	11.385	34.708	26.478	0.777
190	11.168	34.714	26.522	0.793
200	10.909	34.700	26.559	0.808
250	10.237	34.693	26.672	0.881
300	9.806	34.681	26.736	0.951
350	9.325	34.665	26.803	1.018
400	8.824	34.639	26.864	1.082
450	8.301	34.614	26.925	1.143
500	7.874	34.594	26.974	1.203
550	7.512	34.580	27.015	1.260
600	7.005	34.566	27.076	1.315
650	6.522	34.554	27.132	1.368
700	6.201	34.550	27.171	1.419
750	5.874	34.547	27.210	1.467
800	5.516	34.546	27.254	1.514
900	5.030	34.548	27.314	1.602
1000	4.553	34.555	27.373	1.686
1006	4.527	34.555	27.376	1.690



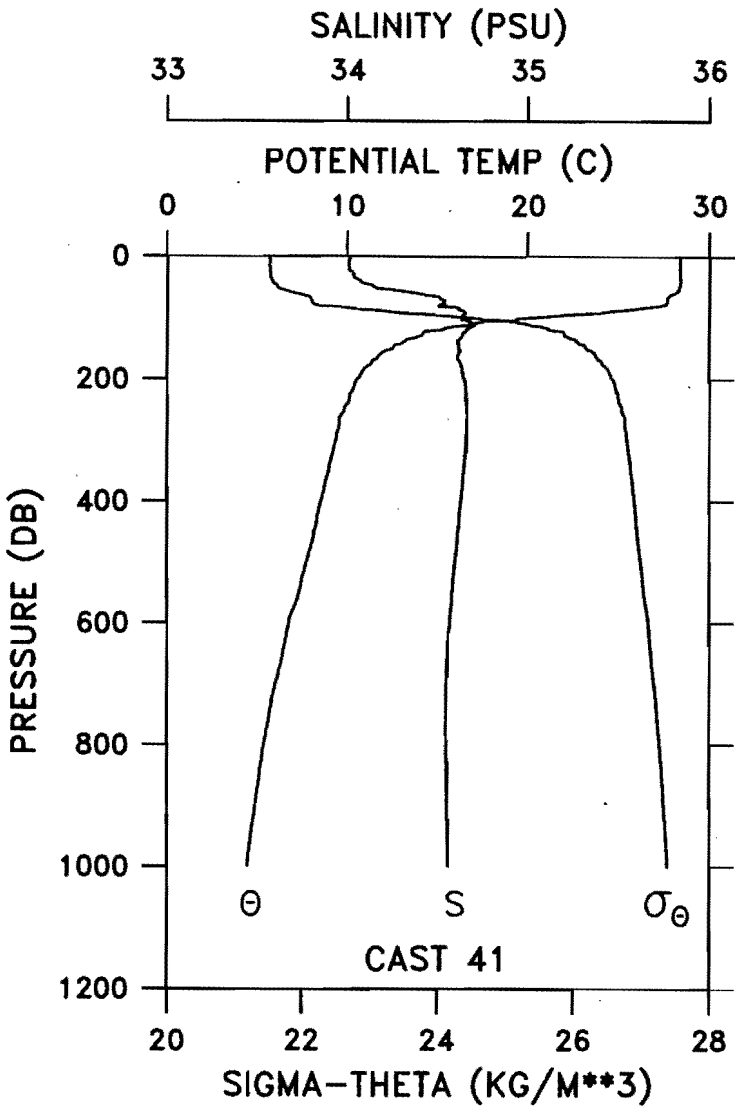
CAST GP3-98-KA-0021 DATE 06 JUN 98 TIME 1351 GMT
LAT 07 00.5N LONG 154 58.8W WEATHER 1 SEA STATE 4
BAROMETER 08 WIND DIR 064 T SPD 18 KT VISIBILITY 7
CLOUD X AMOUNT 2 DRY 28.0 WET 25.5 DEPTH 4968 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.400	34.166	21.639	0.000
10	28.403	34.165	21.637	0.062
20	28.403	34.165	21.637	0.123
30	28.398	34.165	21.639	0.185
40	28.380	34.185	21.660	0.247
50	27.990	34.458	21.992	0.307
60	27.957	34.468	22.011	0.365
70	27.855	34.495	22.064	0.423
80	27.752	34.723	22.269	0.480
90	27.652	34.786	22.349	0.535
100	27.042	34.734	22.506	0.590
110	19.771	34.634	24.544	0.635
120	16.438	34.555	25.305	0.666
130	14.156	34.581	25.831	0.690
140	12.880	34.620	26.123	0.710
150	12.209	34.652	26.279	0.728
160	12.064	34.674	26.324	0.745
170	11.913	34.688	26.364	0.763
180	11.610	34.696	26.427	0.779
190	11.081	34.693	26.522	0.795
200	10.862	34.671	26.544	0.811
250	10.118	34.669	26.674	0.884
300	9.629	34.668	26.756	0.953
350	9.200	34.654	26.815	1.018
400	8.868	34.642	26.859	1.082
450	8.475	34.623	26.906	1.145
500	8.052	34.606	26.957	1.205
550	7.683	34.591	27.000	1.263
600	7.218	34.575	27.053	1.320
650	6.738	34.558	27.107	1.374
700	6.304	34.548	27.157	1.425
750	5.871	34.547	27.211	1.474
800	5.573	34.545	27.247	1.520
900	5.082	34.548	27.307	1.610
1000	4.666	34.553	27.359	1.694
1005	4.636	34.553	27.362	1.698



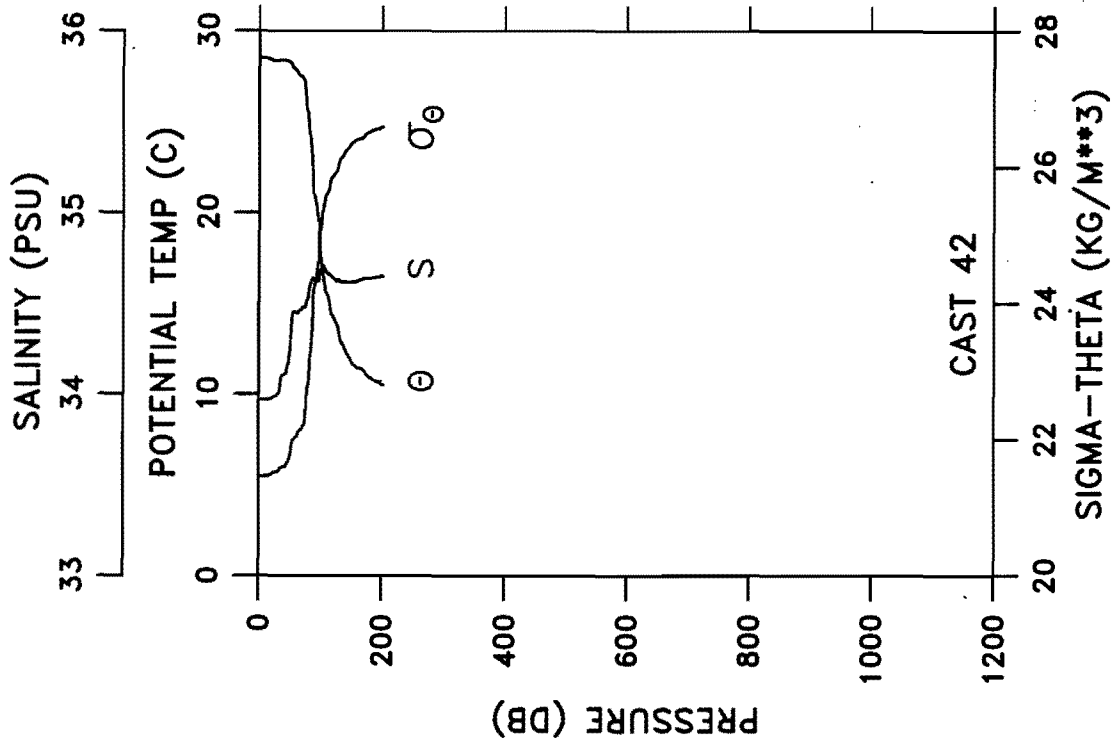
CAST GP3-98-KA-0031 DATE 06 JUN 98 TIME 2145 GMT
LAT 06 00.8N LONG 154 58.2W WEATHER 5 SEA STATE 4
BAROMETER 10 WIND DIR 069 T SPD 17 KT VISIBILITY 7
CLOUD 7 AMOUNT 8 DRY 27.8 WET 25.0 DEPTH 4838 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.467	34.034	21.518	0.000
10	28.467	34.032	21.516	0.063
20	28.459	34.033	21.519	0.126
30	28.444	34.040	21.530	0.188
40	28.353	34.189	21.671	0.251
50	28.252	34.249	21.749	0.312
60	27.599	34.492	22.145	0.371
70	27.538	34.568	22.222	0.428
80	27.450	34.574	22.254	0.484
90	27.143	34.611	22.381	0.539
100	23.188	34.654	23.618	0.589
110	18.557	34.636	24.856	0.627
120	16.242	34.616	25.398	0.656
130	14.599	34.596	25.748	0.680
140	14.238	34.585	25.817	0.703
150	13.547	34.609	25.980	0.724
160	12.342	34.628	26.235	0.743
170	11.625	34.636	26.377	0.761
180	11.255	34.627	26.439	0.778
190	10.886	34.636	26.513	0.793
200	10.535	34.653	26.588	0.809
250	9.766	34.668	26.733	0.879
300	9.336	34.659	26.797	0.946
350	9.106	34.652	26.829	1.010
400	8.831	34.638	26.862	1.074
450	8.496	34.629	26.907	1.136
500	8.069	34.615	26.962	1.196
550	7.596	34.598	27.018	1.254
600	7.145	34.582	27.069	1.309
650	6.595	34.561	27.128	1.362
700	6.164	34.554	27.179	1.413
750	5.804	34.550	27.222	1.461
800	5.405	34.546	27.268	1.506
900	4.922	34.550	27.328	1.594
1000	4.496	34.557	27.381	1.676
1500	2.952	34.600	27.570	2.028
2000	2.136	34.637	27.670	2.312
2500	1.702	34.662	27.724	2.558
3000	1.493	34.671	27.747	2.793
3500	1.231	34.683	27.775	3.018
4000	1.071	34.691	27.793	3.235
4016	1.062	34.691	27.793	3.242



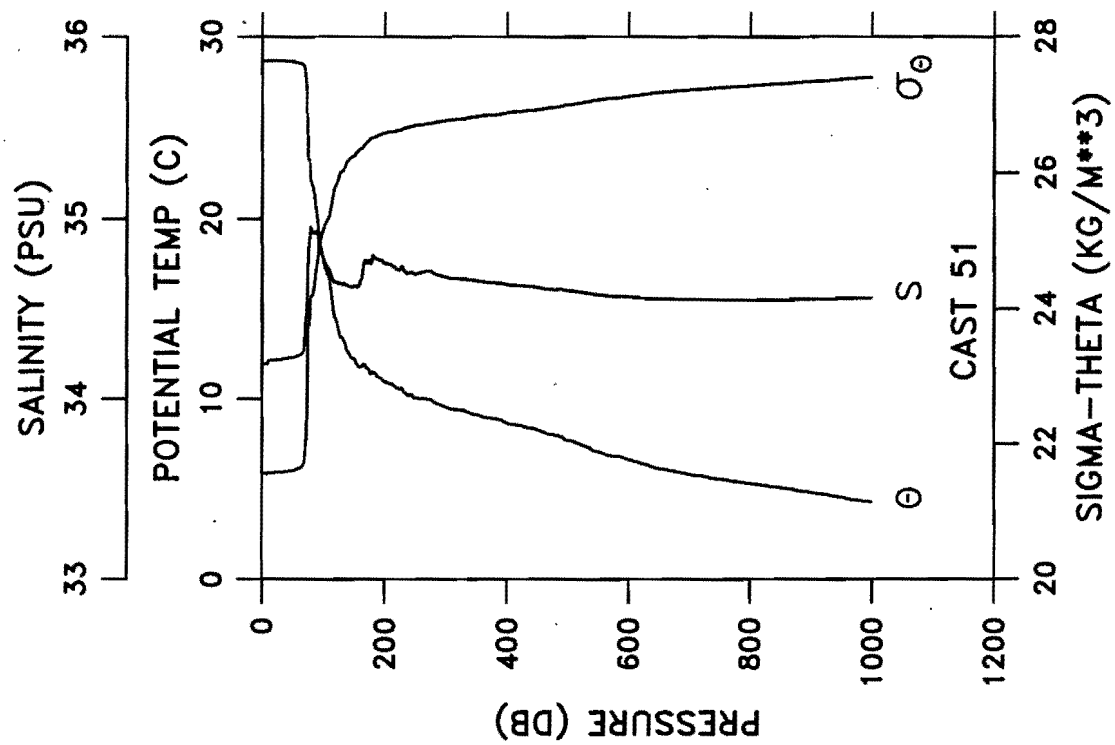
CAST GP3-98-KA-0041 DATE 07 JUN 98 TIME 0919 GMT
LAT 05 01.0N LONG 154 55.9W WEATHER 1 SEA STATE 4
BAROMETER 10 WIND DIR 075 T SPD 16 KT VISIBILITY 7
CLOUD X AMOUNT 9 DRY 27.6 WET 25.4 DEPTH 4595 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.398	34.016	21.527	0.000
10	28.390	34.009	21.524	0.063
20	28.397	34.012	21.524	0.125
30	28.411	34.036	21.537	0.188
40	28.417	34.077	21.567	0.251
50	28.357	34.150	21.641	0.313
60	28.063	34.387	21.915	0.374
70	27.680	34.523	22.142	0.431
80	27.237	34.507	22.273	0.488
90	24.354	34.647	23.271	0.539
100	19.982	34.634	24.489	0.580
110	16.850	34.701	25.322	0.610
120	15.177	34.658	25.670	0.635
130	14.007	34.637	25.906	0.657
140	13.101	34.615	26.075	0.677
150	12.523	34.618	26.192	0.696
160	11.816	34.613	26.324	0.714
170	11.397	34.622	26.409	0.731
180	11.074	34.634	26.478	0.747
190	10.799	34.639	26.531	0.763
200	10.541	34.651	26.586	0.778
250	9.828	34.664	26.719	0.849
300	9.379	34.659	26.790	0.916
350	8.972	34.646	26.846	0.981
400	8.545	34.630	26.900	1.043
450	8.180	34.614	26.944	1.103
500	7.748	34.598	26.996	1.162
550	7.354	34.584	27.041	1.218
600	6.799	34.569	27.107	1.271
650	6.447	34.559	27.146	1.323
700	6.033	34.551	27.194	1.372
750	5.704	34.551	27.235	1.419
800	5.397	34.551	27.272	1.465
900	4.904	34.555	27.333	1.552
1000	4.477	34.561	27.386	1.633
1500	2.964	34.602	27.571	1.982
2000	2.010	34.643	27.685	2.259
2500	1.675	34.663	27.727	2.500
3000	1.466	34.672	27.750	2.734
3500	1.245	34.683	27.774	2.958
4000	1.047	34.692	27.795	3.174
4007	1.045	34.692	27.795	3.177



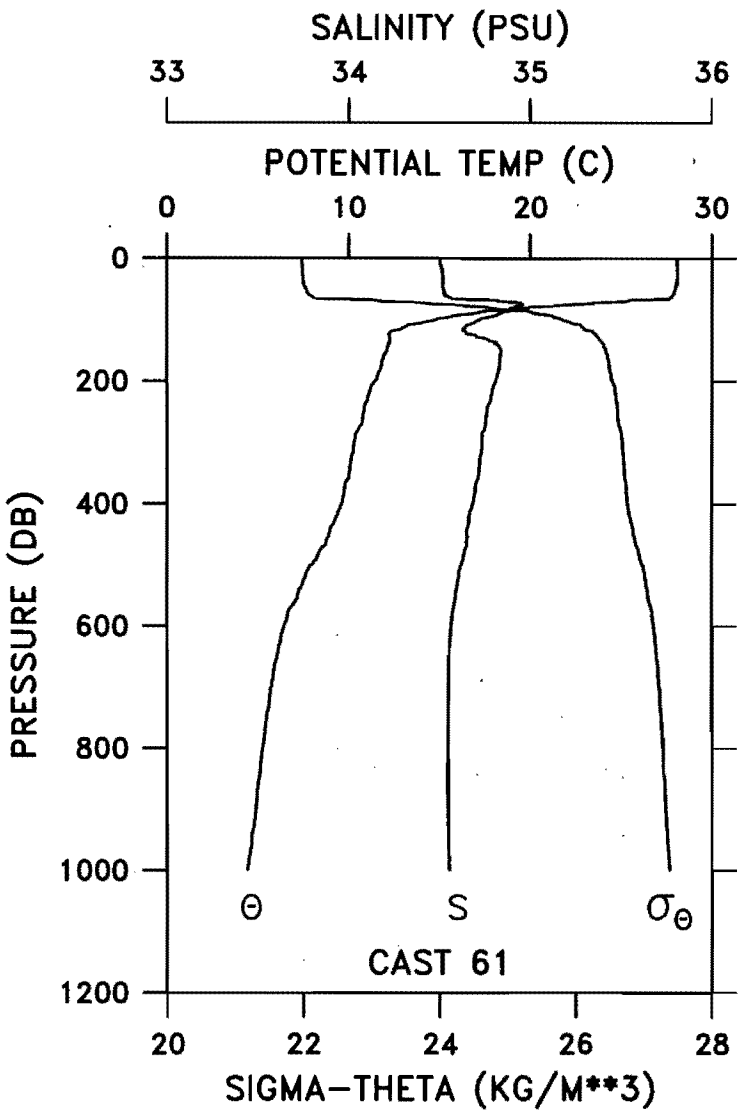
CAST GP3-98-KA-0042 DATE 08 JUN 98 TIME 0339 GMT
LAT 04 59.1N LONG 154 57.1W WEATHER 1 SEA STATE 4
BAROMETER 08 WIND DIR 040 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 28.8 WET 25.8 DEPTH 4583 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.503	33.971	21.459	0.000
10	28.498	33.970	21.460	0.063
20	28.427	33.978	21.489	0.127
30	28.366	33.997	21.523	0.190
40	28.398	34.108	21.596	0.252
50	28.284	34.234	21.728	0.314
60	27.854	34.450	22.031	0.373
70	27.516	34.474	22.158	0.430
80	25.529	34.526	22.823	0.485
90	20.937	34.629	24.230	0.528
100	17.810	34.671	25.067	0.563
110	15.538	34.674	25.602	0.589
120	14.284	34.642	25.851	0.611
130	13.240	34.630	26.059	0.633
140	12.414	34.615	26.211	0.652
150	11.793	34.615	26.330	0.669
160	11.449	34.622	26.400	0.686
170	11.311	34.636	26.436	0.703
180	10.911	34.637	26.509	0.718
190	10.698	34.644	26.553	0.734
200	10.525	34.651	26.588	0.749
202	10.517	34.648	26.588	0.752



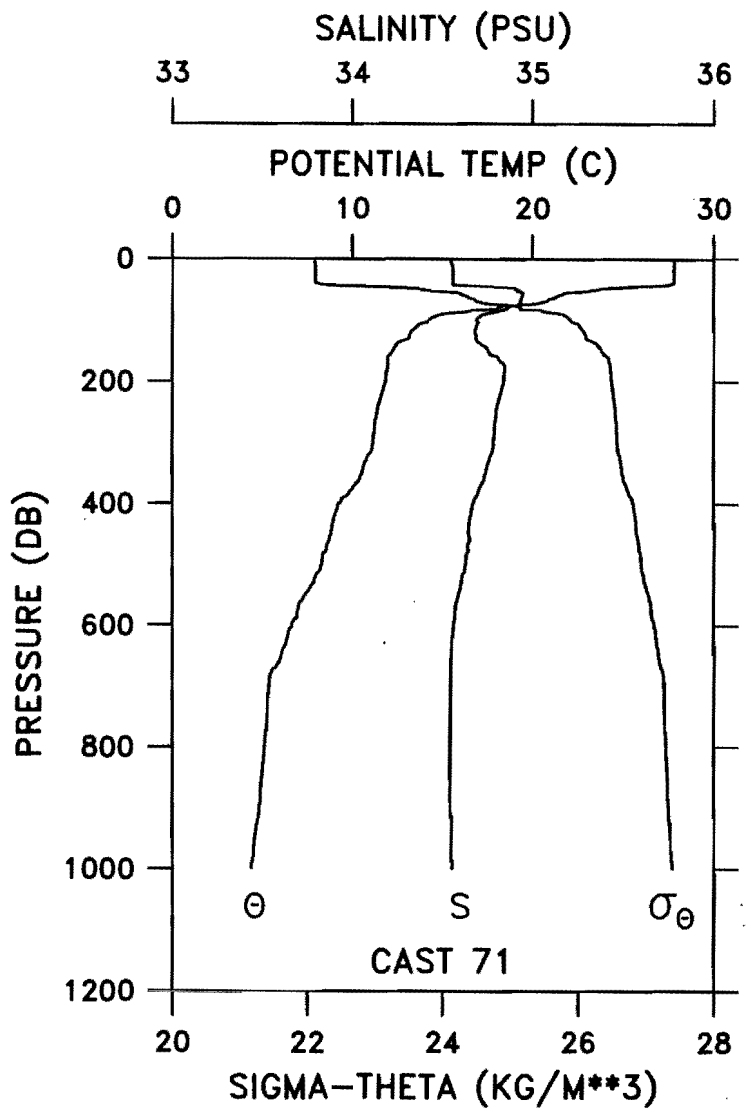
CAST GP3-98-KA-0051 DATE 08 JUN 98 TIME 1031 GMT
LAT 04 00.1N LONG 154 56.5W WEATHER 1 SEA STATE 4
BAROMETER 10 WIND DIR 025 T SPD 17 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 28.5 WET 26.0 DEPTH 4708 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.696	34.198	21.566	0.000
10	28.701	34.211	21.574	0.062
20	28.703	34.218	21.578	0.125
30	28.693	34.223	21.585	0.187
40	28.671	34.229	21.597	0.249
50	28.654	34.233	21.605	0.311
60	28.569	34.244	21.642	0.373
70	28.130	34.377	21.886	0.435
80	21.969	34.943	24.185	0.481
90	20.019	34.916	24.694	0.517
100	17.715	34.777	25.172	0.547
110	16.551	34.712	25.400	0.574
120	14.493	34.650	25.813	0.598
130	13.413	34.637	26.029	0.619
140	12.609	34.630	26.184	0.638
150	12.246	34.628	26.254	0.656
160	11.809	34.658	26.360	0.674
170	11.750	34.760	26.451	0.690
180	11.523	34.793	26.519	0.706
190	11.213	34.771	26.559	0.722
200	10.966	34.751	26.588	0.737
250	10.055	34.693	26.703	0.809
300	9.563	34.677	26.774	0.877
350	9.138	34.657	26.828	0.942
400	8.676	34.637	26.886	1.005
450	8.303	34.622	26.931	1.066
500	7.706	34.603	27.006	1.125
550	7.072	34.580	27.078	1.180
600	6.649	34.569	27.127	1.232
650	6.132	34.556	27.186	1.282
700	5.810	34.552	27.222	1.330
750	5.551	34.549	27.252	1.376
800	5.305	34.550	27.283	1.421
900	4.793	34.555	27.346	1.506
1000	4.292	34.562	27.407	1.586
1004	4.286	34.562	27.408	1.589



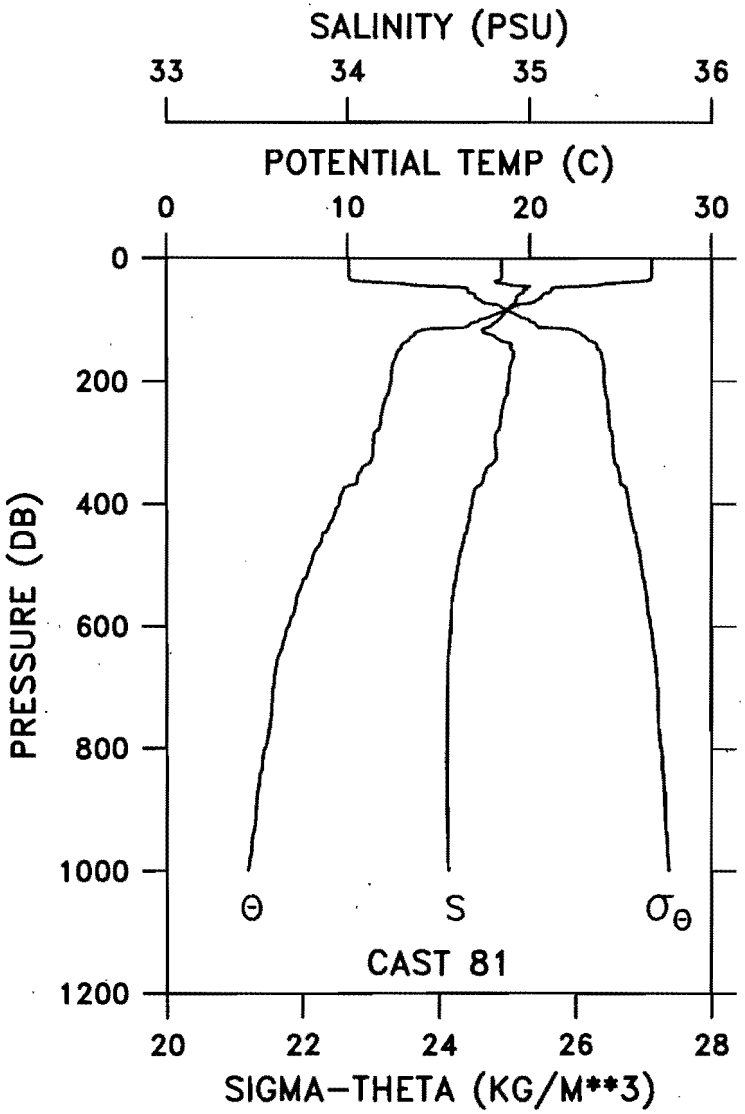
CAST GP3-98-KA-0061 DATE 08 JUN 98 TIME 1722 GMT
LAT 03 00.4N LONG 154 56.6W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 090 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 25.0 WET 24.4 DEPTH 4808 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.108	34.505	21.989	0.000
10	28.110	34.504	21.988	0.058
20	28.120	34.516	21.993	0.117
30	28.115	34.520	21.998	0.175
40	28.076	34.518	22.010	0.233
50	27.996	34.523	22.039	0.291
60	27.855	34.533	22.093	0.349
70	25.280	34.853	23.147	0.403
80	19.784	34.905	24.747	0.442
90	16.844	34.827	25.419	0.471
100	14.815	34.719	25.797	0.494
110	13.174	34.646	26.084	0.515
120	12.269	34.644	26.262	0.534
130	12.271	34.754	26.346	0.551
140	12.164	34.820	26.419	0.568
150	12.083	34.839	26.449	0.584
160	11.903	34.833	26.478	0.600
170	11.799	34.830	26.496	0.616
180	11.750	34.828	26.504	0.631
190	11.574	34.818	26.528	0.647
200	11.430	34.807	26.547	0.662
250	10.808	34.760	26.624	0.737
300	10.308	34.735	26.693	0.809
350	10.047	34.717	26.724	0.879
400	9.615	34.681	26.769	0.947
450	8.915	34.650	26.858	1.013
500	7.923	34.619	26.986	1.074
550	7.196	34.588	27.067	1.130
600	6.439	34.563	27.151	1.181
650	6.049	34.553	27.193	1.230
700	5.729	34.549	27.231	1.277
750	5.457	34.548	27.263	1.323
800	5.244	34.546	27.287	1.367
900	4.889	34.547	27.329	1.453
1000	4.403	34.556	27.390	1.535
1011	4.362	34.557	27.396	1.544



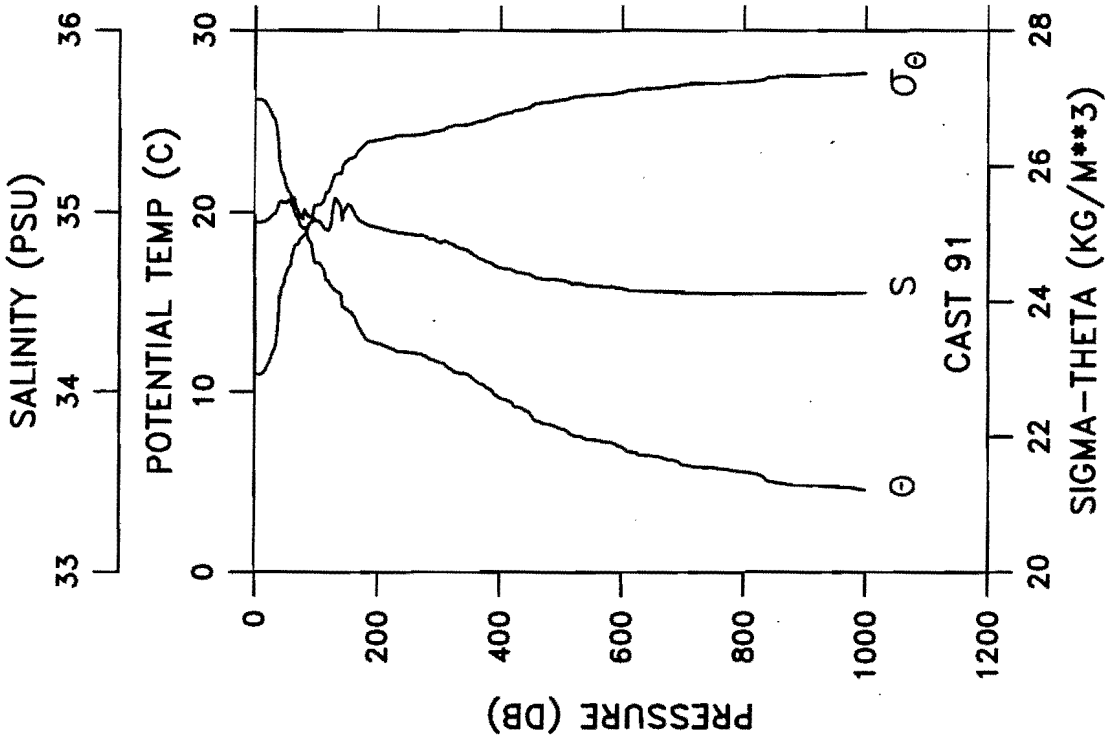
CAST GP3-98-KA-0071 DATE 09 JUN 98 TIME 1001 GMT
LAT 01 59.4N LONG 154 58.3W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 090 T SPD 12 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 26.5 WET 24.8 DEPTH 4658 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.823	34.552	22.118	0.000
10	27.814	34.558	22.125	0.057
20	27.818	34.559	22.125	0.114
30	27.819	34.560	22.125	0.171
40	27.679	34.555	22.167	0.228
50	23.564	34.912	23.705	0.277
60	21.384	34.941	24.346	0.315
70	20.572	34.937	24.563	0.350
80	18.064	34.860	25.150	0.381
90	14.951	34.735	25.779	0.406
100	14.234	34.693	25.901	0.428
110	13.597	34.688	26.030	0.448
120	13.265	34.682	26.093	0.468
130	13.102	34.688	26.131	0.487
140	12.448	34.720	26.286	0.506
150	12.239	34.755	26.354	0.523
160	11.983	34.810	26.445	0.540
170	11.987	34.841	26.468	0.556
180	11.949	34.848	26.482	0.572
190	11.880	34.843	26.491	0.587
200	11.852	34.841	26.495	0.603
250	11.381	34.800	26.551	0.681
300	11.154	34.785	26.581	0.757
350	10.553	34.740	26.654	0.832
400	9.242	34.672	26.823	0.902
450	8.830	34.645	26.868	0.966
500	8.304	34.628	26.936	1.027
550	7.381	34.591	27.043	1.085
600	6.637	34.564	27.125	1.138
650	6.054	34.552	27.192	1.188
700	5.369	34.544	27.271	1.233
750	5.286	34.543	27.280	1.277
800	5.117	34.544	27.300	1.321
900	4.811	34.546	27.337	1.406
1000	4.377	34.556	27.393	1.487
1005	4.345	34.556	27.396	1.491



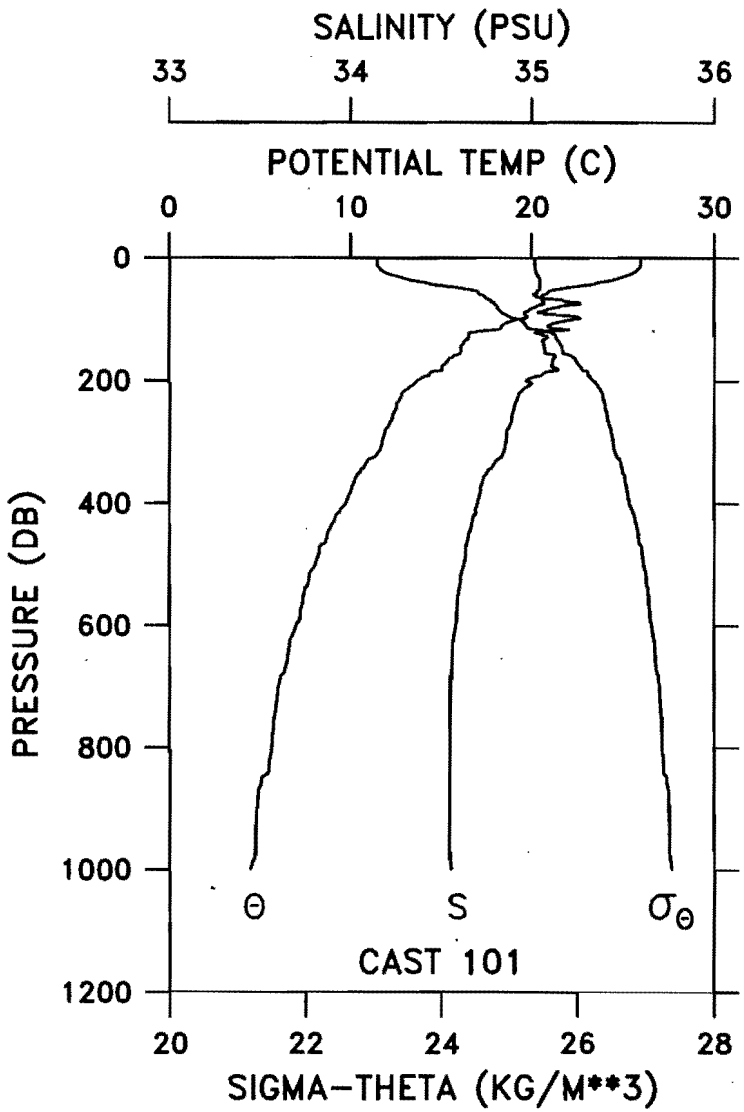
CAST GP3-98-KA-0081 DATE 09 JUN 98 TIME 1723 GMT
LAT 01 00.3N LONG 154 56.3W WEATHER 1 SEA STATE 4
BAROMETER 09 WIND DIR 113 T SPD 22 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 23.1 WET 24.4 DEPTH 4745 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.726	34.846	22.691	0.000
10	26.727	34.845	22.690	0.052
20	26.725	34.846	22.692	0.103
30	26.726	34.847	22.692	0.155
40	24.832	34.824	23.261	0.205
50	21.212	34.981	24.423	0.245
60	20.679	34.935	24.532	0.280
70	20.259	34.923	24.635	0.314
80	19.059	34.890	24.923	0.346
90	18.204	34.859	25.115	0.375
100	17.251	34.824	25.320	0.403
110	16.604	34.787	25.445	0.429
120	13.777	34.745	26.037	0.451
130	13.419	34.822	26.171	0.471
140	13.005	34.903	26.317	0.489
150	12.818	34.908	26.359	0.506
160	12.664	34.910	26.391	0.523
170	12.513	34.899	26.412	0.539
180	12.426	34.890	26.422	0.556
190	12.421	34.888	26.422	0.572
200	12.402	34.885	26.423	0.589
250	11.898	34.845	26.489	0.670
300	11.431	34.811	26.550	0.749
350	10.631	34.753	26.650	0.825
400	9.536	34.682	26.782	0.895
450	8.621	34.644	26.899	0.960
500	7.949	34.606	26.972	1.020
550	7.237	34.578	27.054	1.077
600	6.724	34.565	27.114	1.130
650	6.162	34.554	27.179	1.180
700	5.875	34.550	27.213	1.228
750	5.744	34.548	27.228	1.275
800	5.404	34.547	27.269	1.321
900	4.930	34.546	27.323	1.408
1000	4.469	34.554	27.381	1.491
1005	4.442	34.553	27.384	1.495



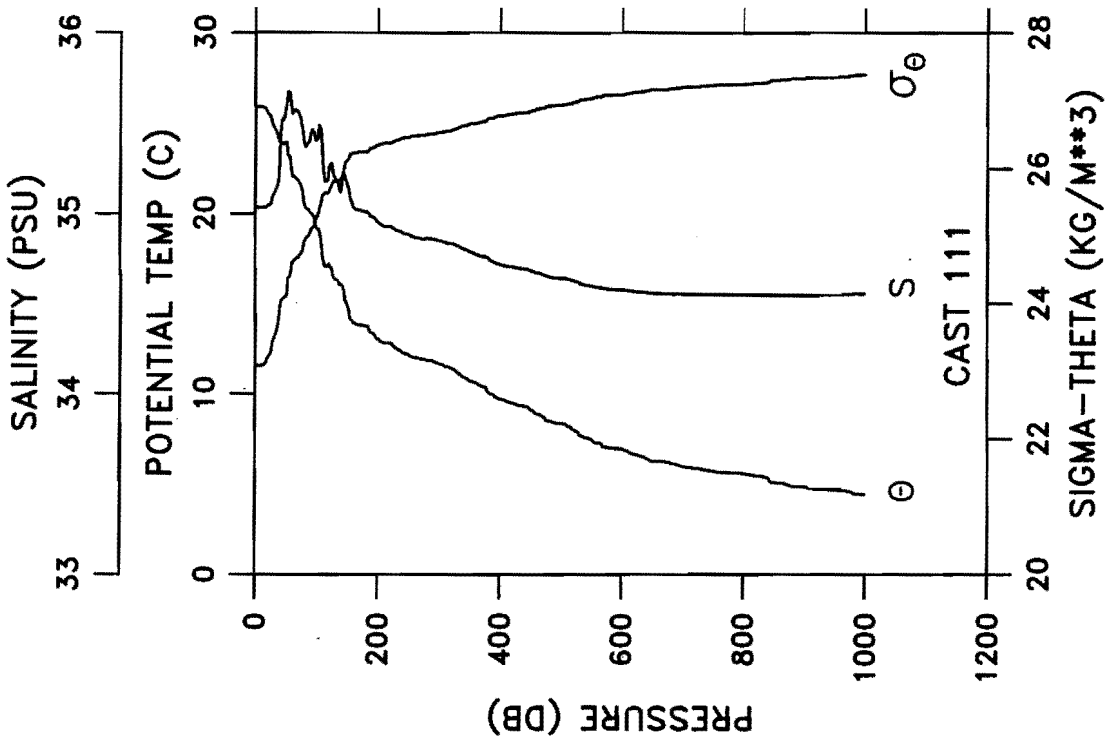
CAST GP3-98-KA-0091 DATE 09 JUN 98 TIME 2143 GMT
LAT 00 29.9N LONG 154 56.3W WEATHER 1 SEA STATE 4
BAROMETER 10 WIND DIR 111 T SPD 15 KT VISIBILITY 7
CLOUD 0 AMOUNT 1 DRY 26.0 WET 23.8 DEPTH 4734 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.213	34.945	22.927	0.000
10	26.209	34.944	22.928	0.049
20	25.864	34.958	23.045	0.098
30	25.200	34.988	23.273	0.145
40	22.798	35.055	24.035	0.189
50	21.528	35.050	24.389	0.226
60	20.426	35.037	24.678	0.261
70	19.659	35.010	24.860	0.292
80	19.135	35.011	24.996	0.323
90	18.346	34.974	25.167	0.352
100	17.169	34.950	25.436	0.379
110	16.940	34.926	25.472	0.404
120	16.156	34.900	25.636	0.429
130	15.663	35.076	25.883	0.451
140	15.414	35.023	25.899	0.473
150	14.606	35.029	26.081	0.493
160	14.272	35.006	26.135	0.512
170	13.547	34.953	26.246	0.531
180	12.974	34.934	26.348	0.549
190	12.797	34.922	26.373	0.566
200	12.691	34.914	26.388	0.583
250	12.193	34.879	26.459	0.665
300	11.667	34.834	26.523	0.745
350	10.912	34.782	26.622	0.821
400	9.665	34.690	26.767	0.893
450	8.779	34.652	26.881	0.959
500	7.959	34.621	26.982	1.018
550	7.315	34.591	27.053	1.074
600	6.945	34.577	27.093	1.128
650	6.440	34.559	27.148	1.179
700	5.922	34.551	27.208	1.229
750	5.766	34.548	27.225	1.276
800	5.554	34.547	27.250	1.322
900	4.793	34.548	27.340	1.408
1000	4.541	34.552	27.372	1.491
1004	4.518	34.552	27.375	1.494



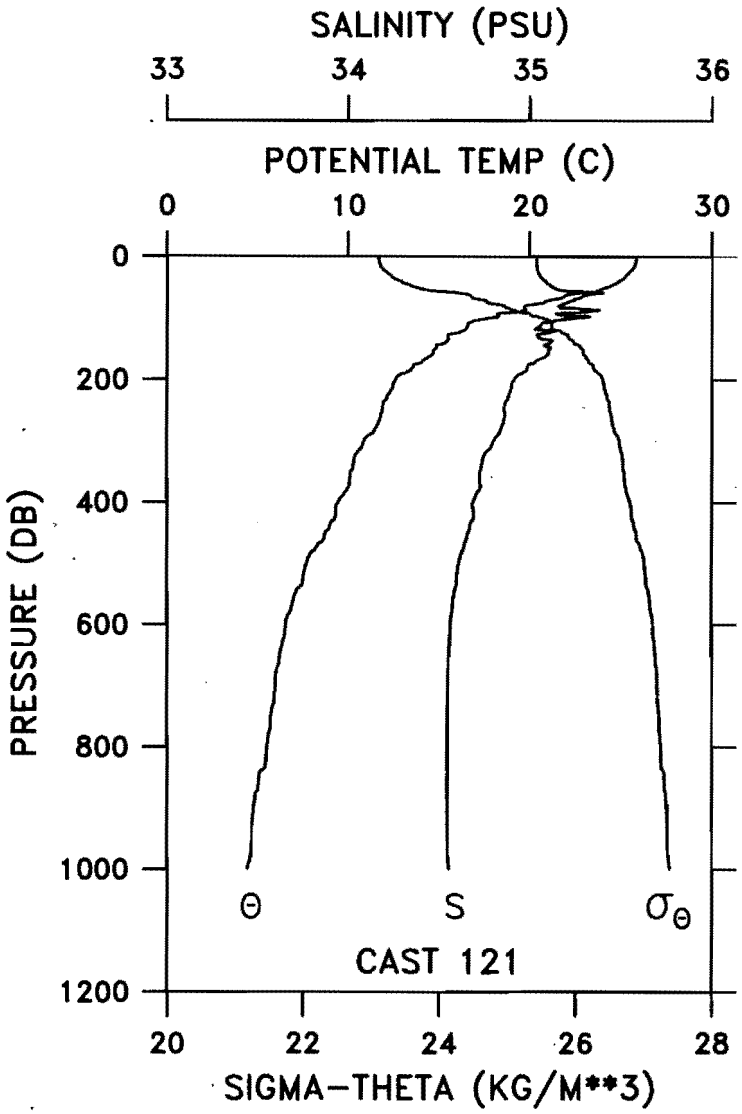
CAST GP3-98-KA-0101 DATE 10 JUN 98 TIME 0520 GMT
LAT 00 02.1S LONG 154 56.7W WEATHER 1 SEA STATE 4
BAROMETER 10 WIND DIR 105 T SPD 10 KT VISIBILITY 7
CLOUD 0 AMOUNT 1 DRY 25.5 WET 23.5 DEPTH 4636 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.971	35.019	23.058	0.000
10	25.967	35.017	23.059	0.048
20	25.769	35.021	23.123	0.096
30	25.051	35.037	23.356	0.142
40	23.668	35.047	23.776	0.186
50	21.641	35.042	24.351	0.225
60	20.615	35.011	24.608	0.259
70	20.611	35.176	24.734	0.292
80	20.196	35.149	24.825	0.324
90	19.589	35.063	24.919	0.355
100	19.197	35.228	25.146	0.385
110	18.357	35.091	25.254	0.412
120	16.955	35.055	25.568	0.439
130	16.524	35.084	25.692	0.462
140	16.220	35.067	25.750	0.485
150	16.094	35.073	25.783	0.508
160	15.645	35.127	25.927	0.530
170	15.281	35.112	25.997	0.551
180	15.076	35.143	26.067	0.571
190	14.355	35.059	26.158	0.591
200	13.657	34.969	26.235	0.609
250	12.424	34.898	26.428	0.695
300	11.754	34.858	26.526	0.776
350	10.519	34.754	26.670	0.852
400	9.742	34.701	26.763	0.922
450	8.713	34.653	26.893	0.986
500	8.057	34.626	26.972	1.046
550	7.407	34.595	27.043	1.103
600	6.990	34.579	27.089	1.157
650	6.524	34.562	27.139	1.209
700	5.987	34.552	27.200	1.259
750	5.757	34.549	27.227	1.306
800	5.618	34.547	27.242	1.353
900	4.800	34.547	27.339	1.440
1000	4.438	34.554	27.385	1.523
1006	4.414	34.554	27.388	1.527



CAST GP3-98-KA-0111 DATE 10 JUN 98 TIME 0926 GMT
LAT 00 29.8S LONG 154 56.5W WEATHER 1 SEA STATE 4
BAROMETER 10 WIND DIR 102 T SPD 12 KT VISIBILITY 7
CLOUD X AMOUNT 9 DRY 25.5 WET 24.0 DEPTH 4880 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.913	35.037	23.091	0.000
10	25.915	35.033	23.087	0.048
20	25.577	35.044	23.199	0.095
30	24.818	35.106	23.478	0.141
40	23.931	35.345	23.925	0.183
50	23.954	35.591	24.104	0.222
60	22.126	35.552	24.604	0.258
70	21.816	35.558	24.695	0.291
80	20.504	35.384	24.921	0.323
90	20.046	35.440	25.087	0.353
100	19.201	35.408	25.282	0.381
110	17.499	35.285	25.614	0.407
120	17.202	35.247	25.656	0.430
130	16.356	35.198	25.819	0.453
140	16.052	35.147	25.850	0.475
150	14.902	35.164	26.120	0.496
160	13.931	35.036	26.230	0.514
170	13.797	35.019	26.245	0.533
180	13.754	35.011	26.248	0.551
190	13.391	34.985	26.303	0.569
200	13.054	34.954	26.347	0.586
250	12.202	34.886	26.462	0.670
300	11.671	34.850	26.536	0.750
350	10.732	34.789	26.660	0.826
400	9.719	34.718	26.780	0.896
450	9.133	34.684	26.849	0.962
500	8.357	34.640	26.937	1.024
550	7.477	34.598	27.035	1.082
600	6.945	34.576	27.093	1.135
650	6.266	34.558	27.169	1.186
700	5.943	34.552	27.206	1.235
750	5.716	34.549	27.232	1.283
800	5.576	34.547	27.248	1.329
900	4.847	34.546	27.333	1.416
1000	4.407	34.555	27.389	1.498
1006	4.381	34.554	27.391	1.503

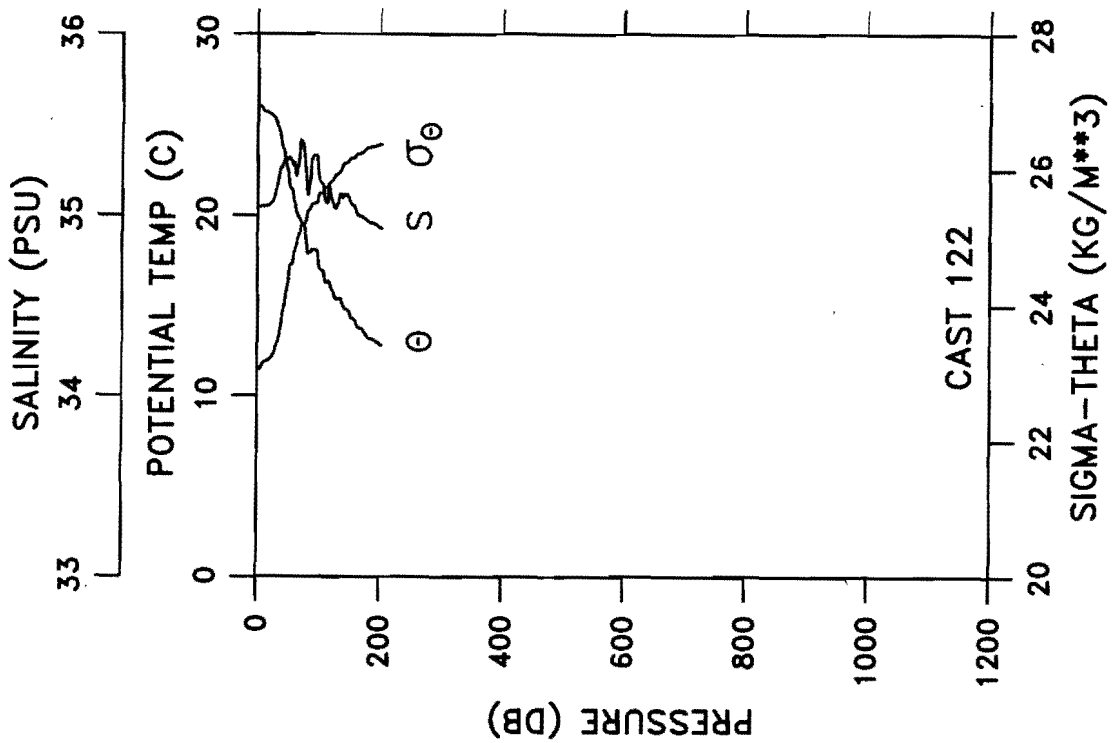


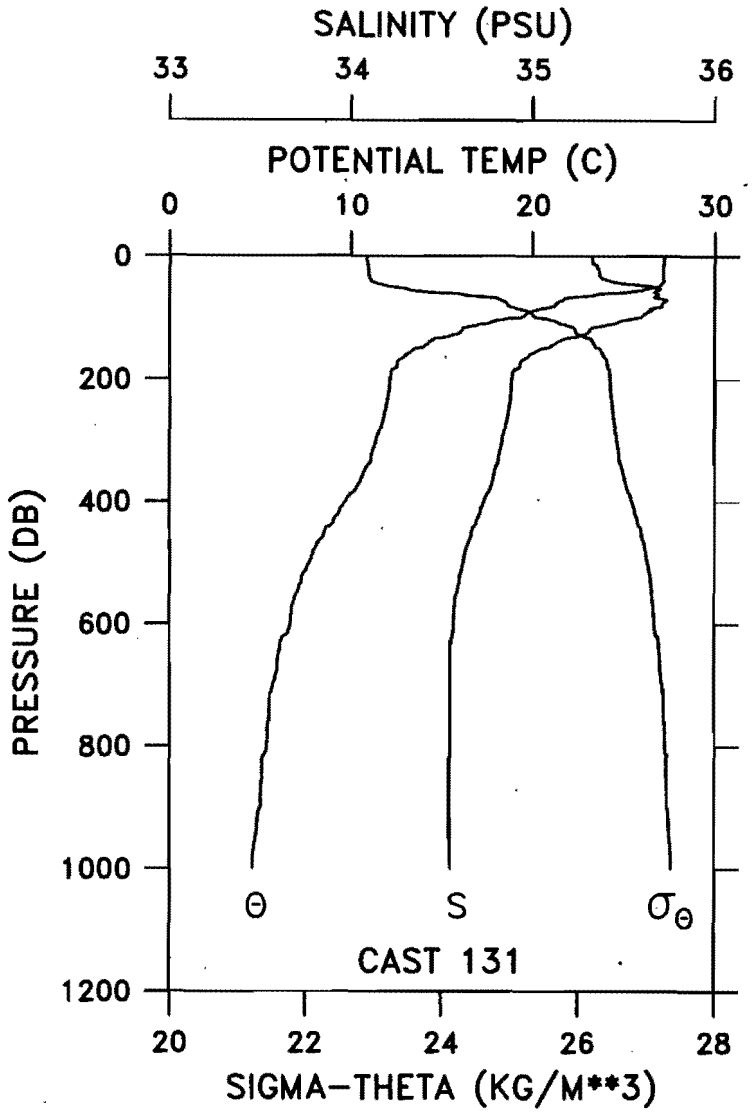
CAST GP3-98-KA-0121 DATE 13 JUN 98 TIME 0539 GMT
LAT 00 01.0S LONG 154 56.3W WEATHER 1 SEA STATE 4
BAROMETER 10 WIND DIR 060 T SPD 05 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 25.0 WET 23.0 DEPTH 4641 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.840	35.038	23.114	0.000
10	25.809	35.038	23.123	0.047
20	25.632	35.041	23.180	0.095
30	25.330	35.053	23.283	0.141
40	24.873	35.087	23.447	0.187
50	24.291	35.124	23.651	0.230
60	22.610	35.373	24.330	0.270
70	21.187	35.250	24.634	0.305
80	19.704	35.155	24.959	0.337
90	19.447	35.319	25.151	0.366
100	17.745	35.256	25.532	0.393
110	16.600	35.063	25.658	0.416
120	16.423	35.143	25.761	0.440
130	15.497	35.045	25.897	0.462
140	15.362	35.111	25.978	0.483
150	14.796	35.110	26.102	0.503
160	14.608	35.096	26.132	0.522
170	14.103	35.034	26.192	0.541
180	13.599	34.986	26.260	0.559
190	13.095	34.958	26.342	0.577
200	12.611	34.912	26.403	0.594
250	11.897	34.858	26.499	0.675
300	10.876	34.799	26.642	0.752
350	10.134	34.726	26.715	0.824
400	9.458	34.688	26.800	0.892
450	8.743	34.660	26.893	0.957
500	7.729	34.610	27.008	1.016
550	7.100	34.585	27.078	1.072
600	6.555	34.564	27.136	1.124
650	6.221	34.556	27.174	1.174
700	5.985	34.552	27.200	1.222
750	5.725	34.549	27.231	1.269
800	5.508	34.547	27.256	1.316
900	4.783	34.547	27.341	1.403
1000	4.444	34.555	27.385	1.485
1500	2.925	34.602	27.574	1.834
2000	2.141	34.639	27.671	2.116
2500	1.709	34.660	27.722	2.367
3000	1.430	34.674	27.754	2.599
3500	1.237	34.684	27.775	2.822
4000	1.103	34.692	27.791	3.040
4005	1.102	34.692	27.791	3.042

CAST GP3-98-KA-0122 DATE 13 JUN 98 TIME 2351 GMT
LAT 00 01.8S LONG 155 00.7W WEATHER 0 SEA STATE 3
BAROMETER 09 WIND DIR 052 T SPD 07 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 26.8 WET 24.0 DEPTH 4687 M

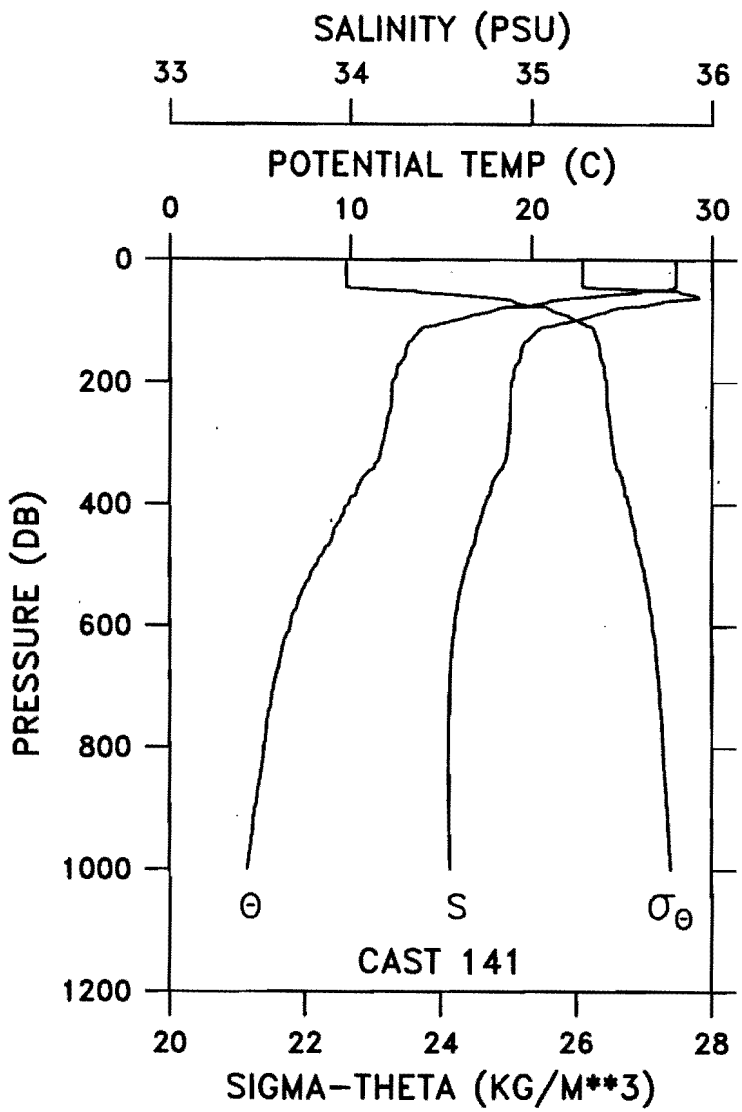
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.036	35.047	23.060	0.000
10	25.721	35.050	23.160	0.048
20	25.583	35.063	23.212	0.095
30	25.168	35.136	23.395	0.141
40	23.892	35.265	23.876	0.184
50	22.383	35.309	24.346	0.222
60	20.714	35.289	24.793	0.255
70	19.610	35.412	25.179	0.285
80	18.358	35.174	25.318	0.313
90	18.083	35.318	25.496	0.339
100	17.137	35.215	25.647	0.364
110	16.298	35.078	25.740	0.387
120	15.919	35.092	25.838	0.410
130	15.361	35.063	25.941	0.431
140	14.871	35.103	26.081	0.451
150	14.525	35.086	26.143	0.471
160	14.036	35.030	26.204	0.490
170	13.667	34.993	26.252	0.508
180	13.208	34.965	26.325	0.526
190	13.055	34.953	26.346	0.543
200	12.819	34.931	26.376	0.560
202	12.801	34.927	26.377	0.563





CAST GP3-98-KA-0131 DATE 14 JUN 98 TIME 0655 GMT
LAT 01 00.0S LONG 154 59.1W WEATHER 0 SEA STATE 3
BAROMETER 12 WIND DIR 098 T SPD 02 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 26.1 WET 23.7 DEPTH 4750 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.206	35.327	22.900	0.000
10	27.202	35.330	22.904	0.050
20	27.193	35.365	22.933	0.099
30	27.179	35.370	22.941	0.148
40	27.215	35.427	22.973	0.197
50	26.829	35.685	23.291	0.245
60	24.307	35.683	24.069	0.288
70	21.714	35.726	24.851	0.323
80	21.229	35.710	24.974	0.353
90	19.861	35.638	25.287	0.382
100	19.204	35.583	25.416	0.408
110	17.438	35.441	25.749	0.432
120	16.155	35.313	25.954	0.454
130	15.432	35.250	26.070	0.474
140	14.304	35.131	26.224	0.493
150	13.580	35.053	26.316	0.511
160	13.042	34.984	26.373	0.528
170	12.597	34.938	26.426	0.545
180	12.522	34.928	26.432	0.561
190	12.211	34.891	26.465	0.577
200	12.165	34.886	26.470	0.593
250	11.891	34.869	26.509	0.673
300	11.394	34.835	26.575	0.751
350	10.754	34.794	26.660	0.826
400	9.709	34.734	26.794	0.896
450	8.548	34.666	26.929	0.960
500	7.739	34.621	27.015	1.018
550	7.018	34.585	27.090	1.072
600	6.688	34.570	27.123	1.124
650	6.014	34.554	27.198	1.173
700	5.699	34.550	27.235	1.220
750	5.495	34.547	27.258	1.266
800	5.364	34.546	27.273	1.310
900	5.030	34.546	27.312	1.397
1000	4.578	34.552	27.368	1.480
1006	4.486	34.553	27.379	1.485

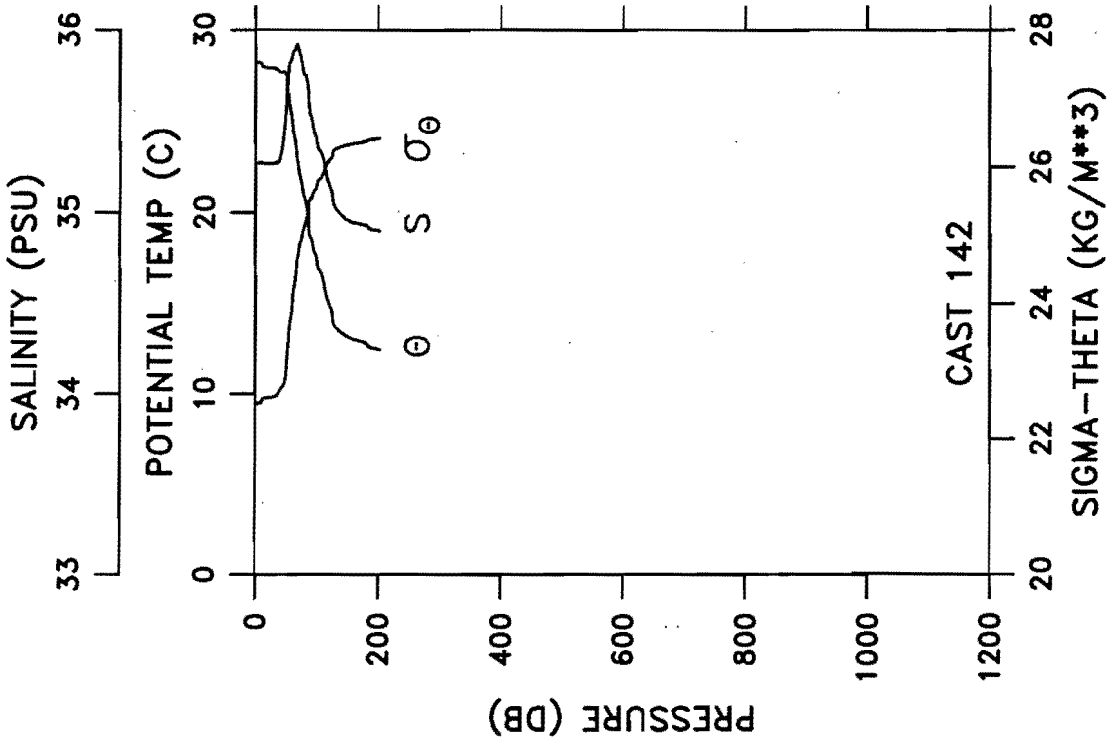


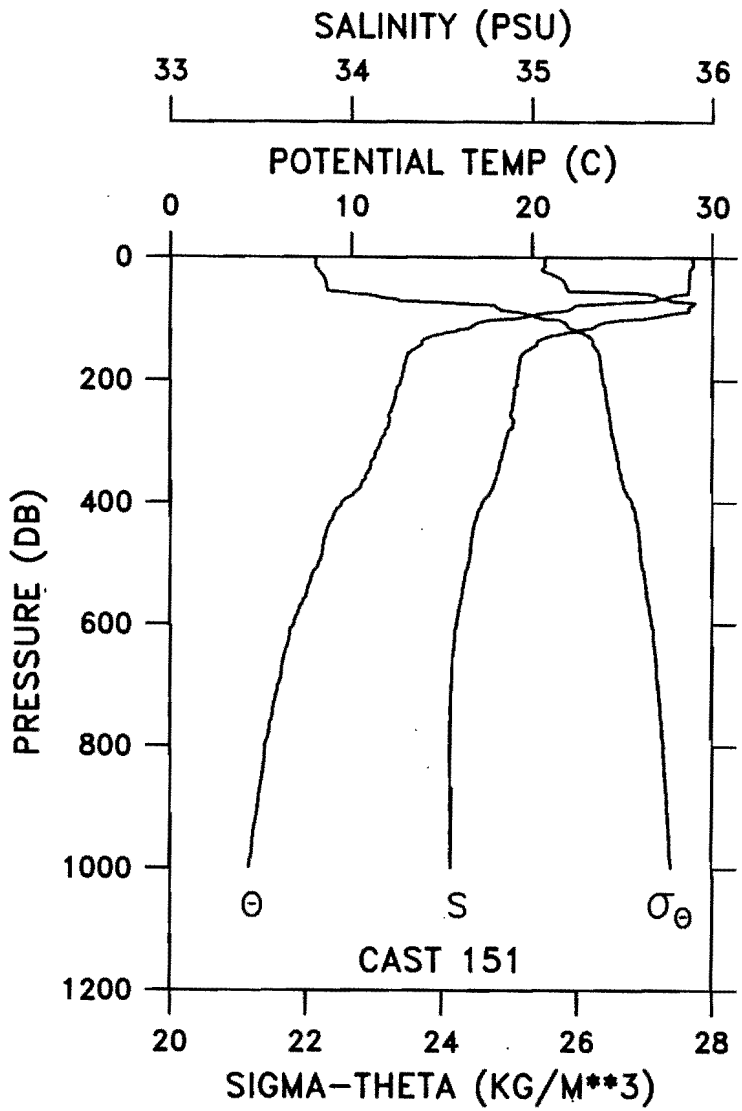
CAST GP3-98-KA-0141 DATE 14 JUN 98 TIME 1448 GMT
LAT 02 00.6S LONG 155 01.5W WEATHER 0 SEA STATE 1
BAROMETER 11 WIND DIR 005 T SPD 08 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 25.8 WET 23.7 DEPTH 4815 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.010	35.283	22.607	0.000
10	28.015	35.281	22.603	0.052
20	28.015	35.281	22.604	0.105
30	28.010	35.282	22.605	0.157
40	28.010	35.281	22.605	0.210
50	26.839	35.742	23.331	0.261
60	23.379	35.926	24.528	0.301
70	20.801	35.713	25.093	0.331
80	18.130	35.459	25.592	0.358
90	16.817	35.350	25.827	0.381
100	15.529	35.224	26.028	0.402
110	14.023	35.062	26.231	0.421
120	13.680	35.016	26.267	0.439
130	13.407	34.986	26.300	0.457
140	13.119	34.952	26.332	0.474
150	13.030	34.942	26.343	0.491
160	12.950	34.938	26.356	0.508
170	12.732	34.923	26.387	0.525
180	12.550	34.905	26.409	0.542
190	12.509	34.901	26.414	0.559
200	12.308	34.890	26.445	0.575
250	12.138	34.884	26.473	0.656
300	11.770	34.871	26.533	0.736
350	10.899	34.813	26.648	0.813
400	9.888	34.745	26.773	0.883
450	9.032	34.694	26.874	0.948
500	8.090	34.643	26.980	1.009
550	7.243	34.601	27.071	1.065
600	6.668	34.576	27.130	1.117
650	6.151	34.560	27.186	1.167
700	5.733	34.551	27.231	1.214
750	5.436	34.546	27.264	1.259
800	5.204	34.544	27.290	1.304
900	4.707	34.546	27.349	1.389
1000	4.275	34.553	27.401	1.469
1500	2.815	34.604	27.586	1.812
2000	2.073	34.642	27.679	2.086
2500	1.681	34.660	27.724	2.329
3000	1.435	34.673	27.753	2.560
3500	1.293	34.681	27.769	2.787
4000	1.104	34.692	27.791	3.008
4004	1.101	34.692	27.791	3.010

CAST GP3-98-KA-0142 DATE 15 JUN 98 TIME 0440 GMT
LAT 02 00.1S LONG 154 58.9W WEATHER 1 SEA STATE 1
BAROMETER 11 WIND DIR 135 T SPD 09 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 27.0 WET 23.3 DEPTH 4993 M

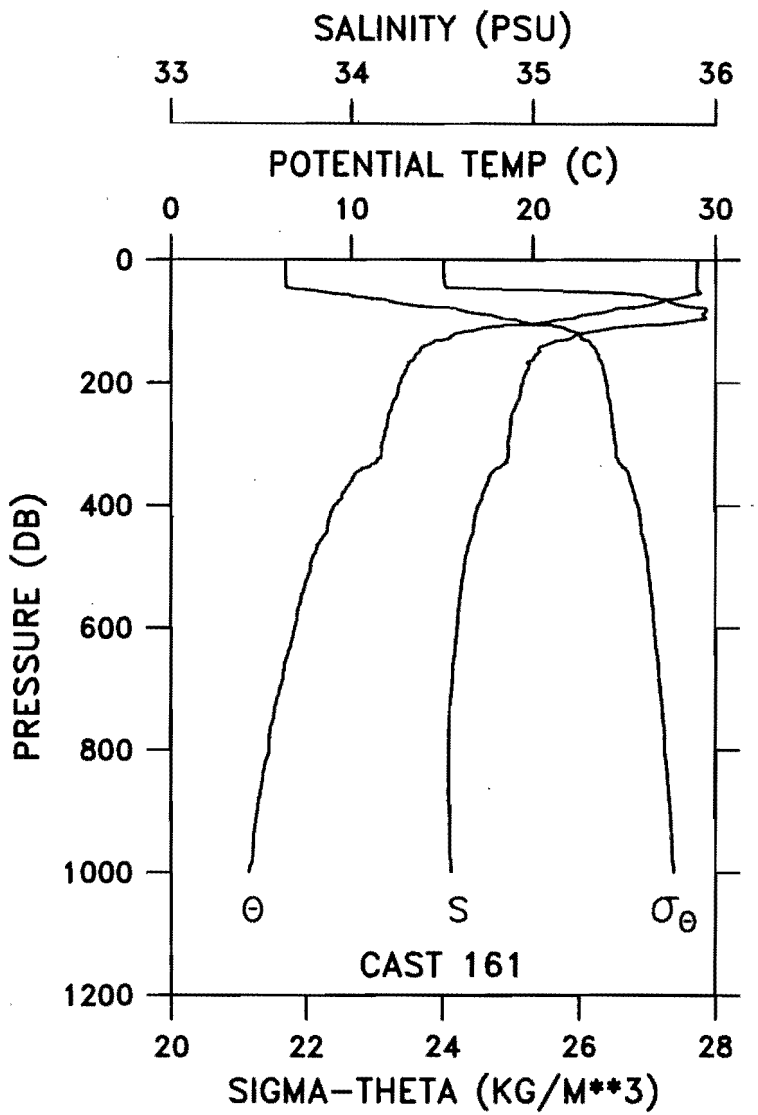
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.230	35.274	22.528	0.000
10	28.182	35.276	22.545	0.053
20	27.953	35.272	22.617	0.105
30	27.923	35.272	22.627	0.158
40	27.704	35.301	22.720	0.210
50	27.468	35.574	23.003	0.260
60	25.031	35.859	23.983	0.304
70	22.513	35.897	24.755	0.339
80	20.790	35.755	25.127	0.370
90	18.615	35.532	25.527	0.396
100	17.416	35.400	25.723	0.420
110	16.361	35.304	25.899	0.442
120	14.953	35.155	26.102	0.462
130	13.695	35.025	26.271	0.481
140	13.374	34.984	26.305	0.499
150	13.159	34.957	26.328	0.516
160	13.004	34.942	26.348	0.533
170	12.908	34.935	26.362	0.550
180	12.756	34.929	26.387	0.567
190	12.532	34.904	26.413	0.584
200	12.444	34.900	26.426	0.600
202	12.441	34.898	26.425	0.604





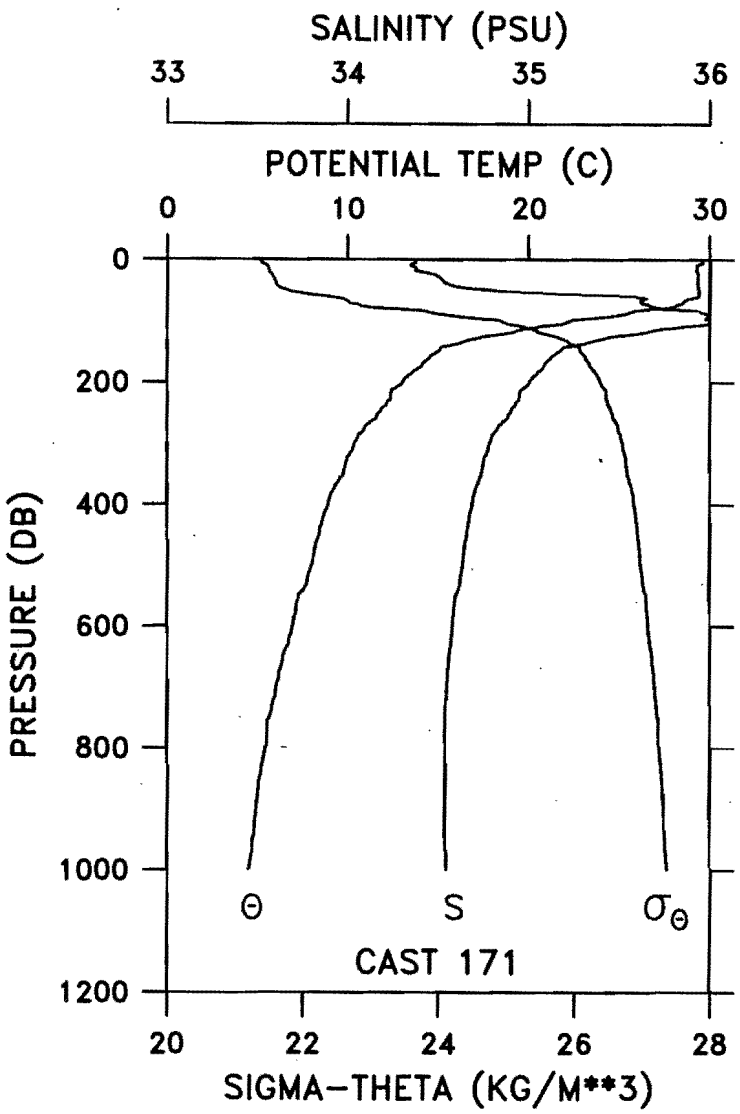
CAST GP3-98-KA-0151 DATE 15 JUN 98 TIME 1146 GMT
LAT 02 59.7S LONG 154 59.2W WEATHER 1 SEA STATE 1
BAROMETER 11 WIND DIR 142 T SPD 06 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 26.7 WET 23.2 DEPTH 4920 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.916	35.071	22.148	0.000
10	28.920	35.069	22.145	0.057
20	28.763	35.053	22.186	0.113
30	28.736	35.132	22.254	0.170
40	28.722	35.178	22.293	0.225
50	28.698	35.190	22.310	0.281
60	28.323	35.658	22.786	0.335
70	26.824	35.770	23.356	0.383
80	22.319	35.874	24.793	0.420
90	20.793	35.812	25.170	0.451
100	19.021	35.615	25.487	0.477
110	16.777	35.362	25.846	0.500
120	15.820	35.250	25.982	0.521
130	14.283	35.077	26.187	0.541
140	13.877	35.025	26.233	0.559
150	13.482	34.982	26.282	0.577
160	13.082	34.940	26.331	0.594
170	12.984	34.932	26.344	0.611
180	12.902	34.925	26.355	0.629
190	12.820	34.921	26.369	0.646
200	12.719	34.916	26.384	0.663
250	12.206	34.889	26.464	0.745
300	11.624	34.854	26.547	0.825
350	10.956	34.812	26.637	0.901
400	9.506	34.725	26.821	0.971
450	8.640	34.672	26.918	1.034
500	8.211	34.648	26.966	1.094
550	7.561	34.614	27.036	1.151
600	6.856	34.584	27.111	1.205
650	6.302	34.564	27.170	1.255
700	5.936	34.556	27.210	1.304
750	5.632	34.549	27.243	1.350
800	5.230	34.546	27.289	1.395
900	4.827	34.549	27.337	1.481
1000	4.345	34.551	27.392	1.562
1003	4.345	34.551	27.392	1.564



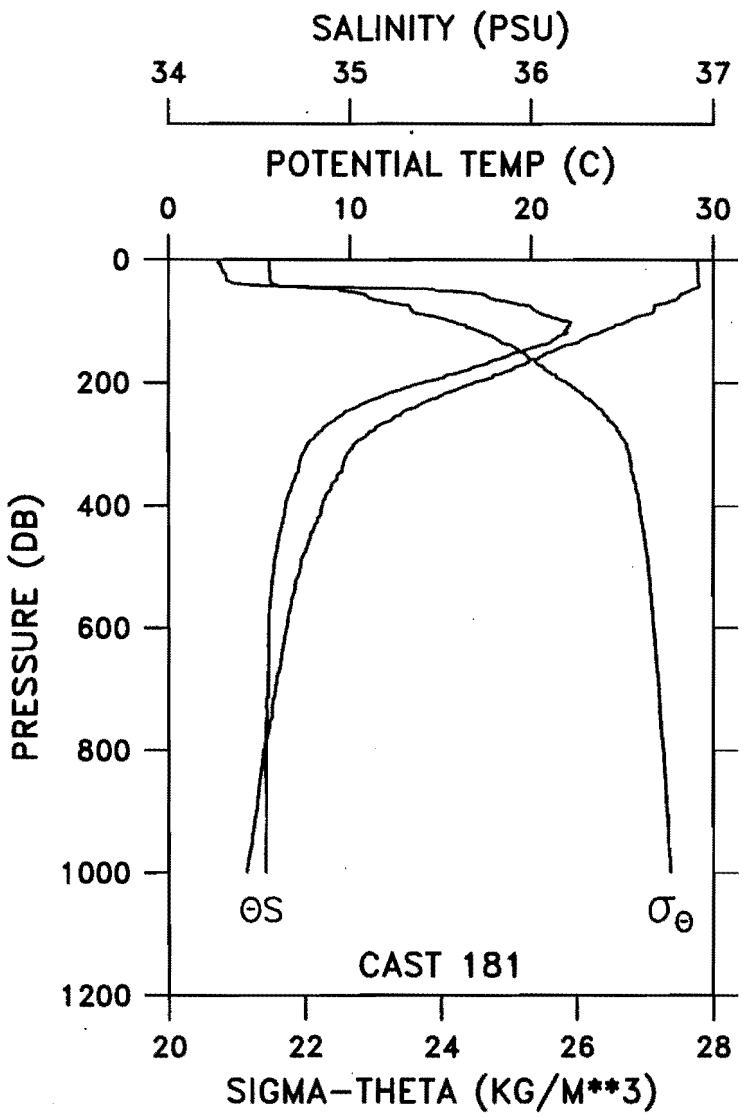
CAST GP3-98-KA-0161 DATE 15 JUN 98 TIME 1921 GMT
LAT 03 59.7S LONG 154 43.0W WEATHER 1 SEA STATE 1
BAROMETER 12 WIND DIR 111 T SPD 07 KT VISIBILITY 7
CLOUD 8 AMOUNT 1 DRY 27.5 WET 24.1 DEPTH 4630 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.022	34.512	21.693	0.000
10	29.015	34.510	21.694	0.061
20	29.011	34.510	21.695	0.122
30	29.005	34.511	21.698	0.183
40	28.994	34.517	21.706	0.244
50	29.061	35.096	22.118	0.305
60	28.375	35.640	22.755	0.359
70	26.855	35.767	23.344	0.407
80	24.460	35.950	24.224	0.449
90	22.678	35.934	24.737	0.484
100	20.971	35.844	25.146	0.515
110	17.411	35.453	25.764	0.540
120	15.721	35.258	26.010	0.562
130	15.070	35.177	26.094	0.582
140	14.064	35.052	26.214	0.601
150	13.723	35.032	26.271	0.619
160	13.476	35.002	26.298	0.637
170	13.125	34.980	26.353	0.654
180	12.983	34.965	26.370	0.671
190	12.822	34.951	26.391	0.688
200	12.705	34.943	26.408	0.705
250	12.068	34.885	26.487	0.786
300	11.682	34.863	26.544	0.866
350	10.170	34.766	26.741	0.941
400	9.050	34.698	26.874	1.007
450	8.476	34.663	26.937	1.068
500	7.765	34.623	27.013	1.126
550	7.226	34.598	27.071	1.181
600	6.877	34.584	27.108	1.234
650	6.408	34.567	27.158	1.285
700	6.028	34.553	27.196	1.334
750	5.643	34.541	27.235	1.381
800	5.407	34.538	27.261	1.427
900	4.762	34.541	27.339	1.513
1000	4.311	34.550	27.396	1.594
1003	4.307	34.550	27.396	1.596



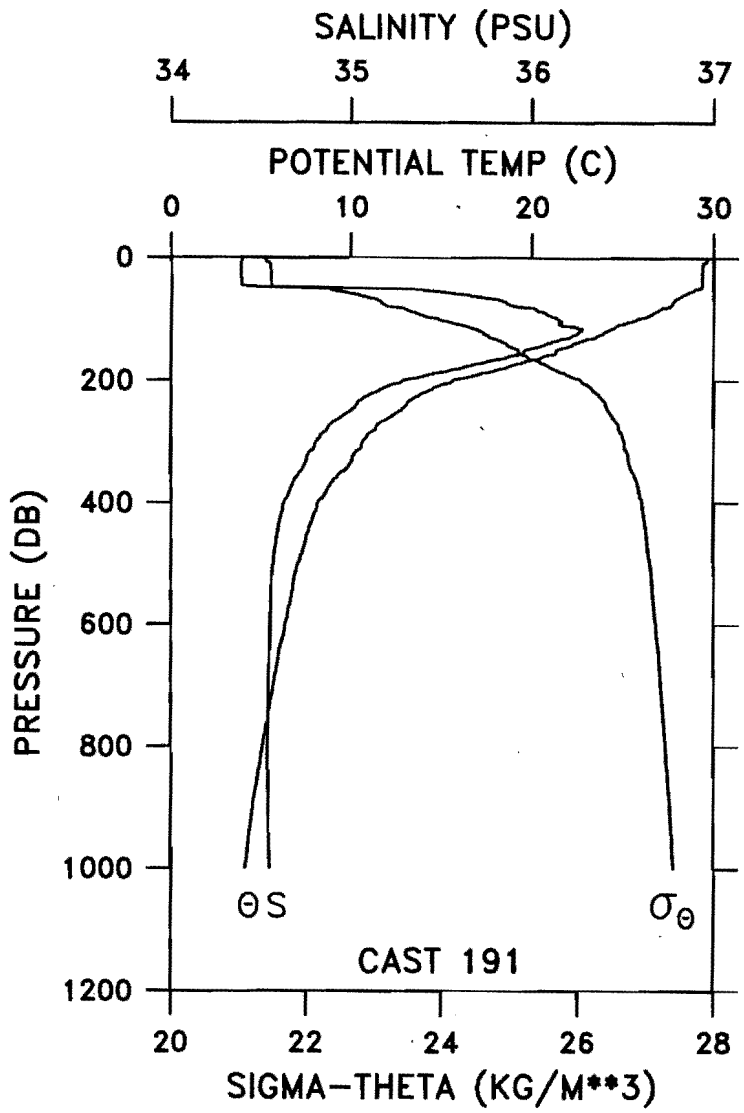
CAST GP3-98-KA-0171 DATE 16 JUN 98 TIME 0326 GMT
LAT 05 00.3S LONG 154 59.2W WEATHER 1 SEA STATE 1
BAROMETER 10 WIND DIR 060 T SPD 07 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 28.1 WET 24.3 DEPTH 5005 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.628	34.376	21.387	0.000
10	29.302	34.350	21.477	0.064
20	29.318	34.407	21.515	0.127
30	29.373	34.513	21.575	0.189
40	29.365	34.556	21.611	0.252
50	29.416	34.798	21.775	0.313
60	29.371	35.585	22.381	0.371
70	28.546	35.622	22.685	0.424
80	26.896	35.791	23.349	0.474
90	25.072	36.012	24.086	0.516
100	22.303	36.040	24.924	0.550
110	20.472	35.832	25.272	0.579
120	18.833	35.614	25.534	0.605
130	16.865	35.395	25.851	0.628
140	15.668	35.253	26.019	0.650
150	14.984	35.166	26.104	0.669
160	14.526	35.122	26.170	0.688
170	14.128	35.088	26.229	0.707
180	13.755	35.065	26.290	0.725
190	13.332	35.029	26.349	0.743
200	13.035	35.002	26.388	0.760
250	11.745	34.897	26.558	0.840
300	10.393	34.784	26.716	0.912
350	9.763	34.740	26.789	0.980
400	8.922	34.689	26.887	1.044
450	8.419	34.659	26.943	1.104
500	8.021	34.636	26.985	1.163
550	7.258	34.596	27.065	1.219
600	6.931	34.580	27.098	1.273
650	6.403	34.561	27.154	1.324
700	6.019	34.549	27.194	1.374
750	5.642	34.541	27.235	1.421
800	5.418	34.537	27.259	1.467
900	4.913	34.537	27.319	1.555
1000	4.472	34.547	27.375	1.638
1006	4.408	34.546	27.382	1.643



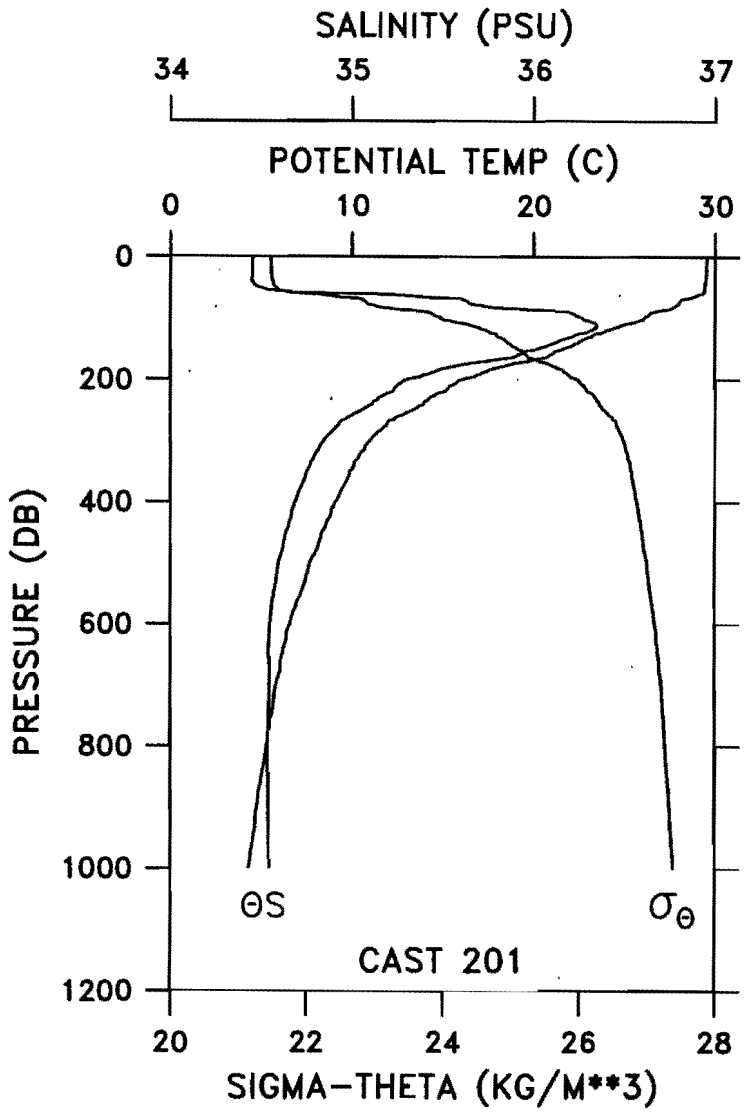
CAST GP3-98-KA-0181 DATE 19 JUN 98 TIME 1646 GMT
LAT 07 57.3S LONG 169 57.7W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 090 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 26.9 WET 24.9 DEPTH 5358 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.135	34.281	21.481	0.000
10	29.165	34.291	21.479	0.063
20	29.180	34.304	21.484	0.126
30	29.198	34.321	21.490	0.189
40	29.228	34.418	21.553	0.252
50	28.734	35.479	22.515	0.311
60	28.150	35.760	22.919	0.362
70	27.462	35.901	23.250	0.410
80	26.770	36.012	23.556	0.454
90	26.211	36.075	23.780	0.497
100	25.311	36.206	24.159	0.537
110	24.504	36.199	24.401	0.573
120	23.650	36.189	24.647	0.608
130	22.756	36.120	24.855	0.640
140	21.805	36.037	25.062	0.671
150	21.048	35.928	25.189	0.700
160	20.399	35.839	25.297	0.727
170	19.612	35.741	25.430	0.754
180	18.788	35.635	25.562	0.779
190	17.886	35.521	25.701	0.803
200	16.824	35.394	25.860	0.826
250	12.824	34.965	26.402	0.922
300	10.193	34.762	26.734	0.998
350	9.313	34.700	26.833	1.064
400	8.459	34.642	26.923	1.126
450	7.800	34.606	26.994	1.185
500	7.266	34.579	27.050	1.240
550	6.797	34.560	27.100	1.293
600	6.482	34.550	27.134	1.345
650	6.181	34.549	27.173	1.394
700	5.854	34.546	27.212	1.443
750	5.609	34.536	27.235	1.489
800	5.183	34.533	27.284	1.535
900	4.817	34.538	27.330	1.621
1000	4.276	34.533	27.385	1.703
1004	4.267	34.532	27.386	1.706



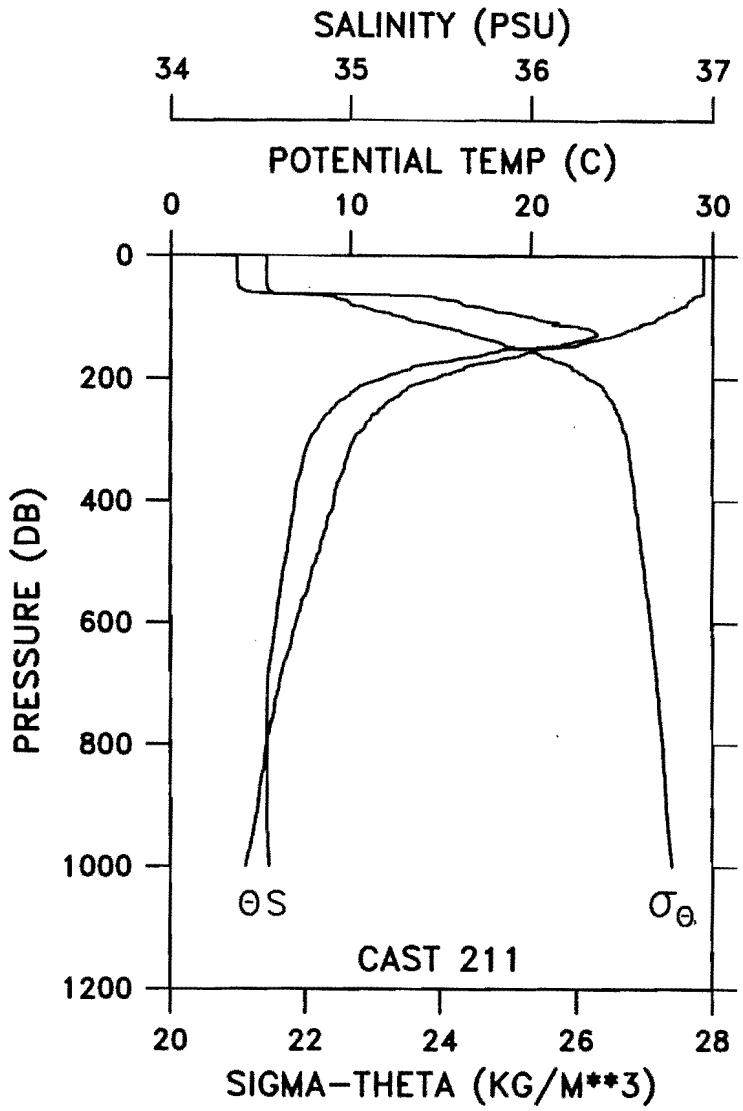
CAST GP3-98-KA-0191 DATE 20 JUN 98 TIME 0214 GMT
LAT 07 00.5S LONG 170 01.6W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 090 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 31.4 WET 27.6 DEPTH 4622 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.624	34.394	21.402	0.000
10	29.414	34.390	21.469	0.064
20	29.390	34.388	21.477	0.127
30	29.384	34.390	21.480	0.190
40	29.378	34.392	21.483	0.253
50	29.109	35.155	22.147	0.316
60	28.304	35.654	22.789	0.369
70	27.837	35.841	23.083	0.419
80	27.495	35.942	23.270	0.466
90	26.688	36.078	23.632	0.510
100	25.776	36.144	23.969	0.552
110	24.702	36.166	24.316	0.590
120	24.009	36.261	24.596	0.625
130	23.430	36.203	24.722	0.659
140	22.263	36.076	24.963	0.690
150	21.333	35.963	25.137	0.720
160	20.659	35.876	25.255	0.748
170	19.548	35.741	25.447	0.775
180	18.454	35.603	25.622	0.800
190	17.025	35.434	25.842	0.823
200	15.624	35.286	26.054	0.844
250	12.634	34.993	26.461	0.933
300	10.644	34.808	26.690	1.009
350	9.462	34.714	26.819	1.077
400	8.153	34.626	26.957	1.138
450	7.555	34.590	27.018	1.196
500	7.044	34.567	27.072	1.250
550	6.696	34.556	27.111	1.303
600	6.327	34.550	27.155	1.353
650	5.967	34.546	27.198	1.402
700	5.700	34.542	27.229	1.449
750	5.388	34.539	27.264	1.495
800	5.083	34.537	27.299	1.538
900	4.536	34.541	27.364	1.622
1000	4.119	34.550	27.416	1.700
1006	4.107	34.549	27.417	1.704



CAST GP3-98-KA-0201 DATE 20 JUN 98 TIME 0929 GMT
LAT 06 00.8S LONG 170 00.7W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 082 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 28.9 WET 25.6 DEPTH 4777 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.546	34.455	21.474	0.000
10	29.533	34.452	21.476	0.063
20	29.521	34.451	21.480	0.126
30	29.506	34.450	21.484	0.190
40	29.464	34.448	21.497	0.253
50	29.427	34.492	21.542	0.316
60	29.210	34.973	21.976	0.378
70	28.120	35.612	22.818	0.432
80	27.779	35.726	23.015	0.482
90	26.531	36.187	23.764	0.527
100	26.069	36.268	23.971	0.568
110	24.991	36.345	24.363	0.606
120	23.972	36.309	24.643	0.641
130	23.148	36.211	24.811	0.673
140	22.400	36.115	24.953	0.705
150	21.636	36.020	25.096	0.734
160	20.861	35.910	25.226	0.763
170	19.710	35.738	25.403	0.790
180	18.057	35.529	25.664	0.815
190	17.094	35.424	25.818	0.838
200	16.001	35.300	25.979	0.860
250	13.311	35.055	26.373	0.954
300	10.987	34.846	26.658	1.032
350	9.883	34.752	26.779	1.101
400	9.101	34.687	26.857	1.167
450	8.347	34.635	26.935	1.229
500	7.680	34.594	27.003	1.287
550	7.193	34.568	27.052	1.343
600	6.596	34.549	27.119	1.396
650	6.153	34.540	27.170	1.446
700	5.798	34.545	27.219	1.494
750	5.555	34.541	27.246	1.541
800	5.294	34.538	27.275	1.586
900	4.762	34.538	27.337	1.672
1000	4.315	34.545	27.391	1.753
1004	4.286	34.546	27.395	1.756

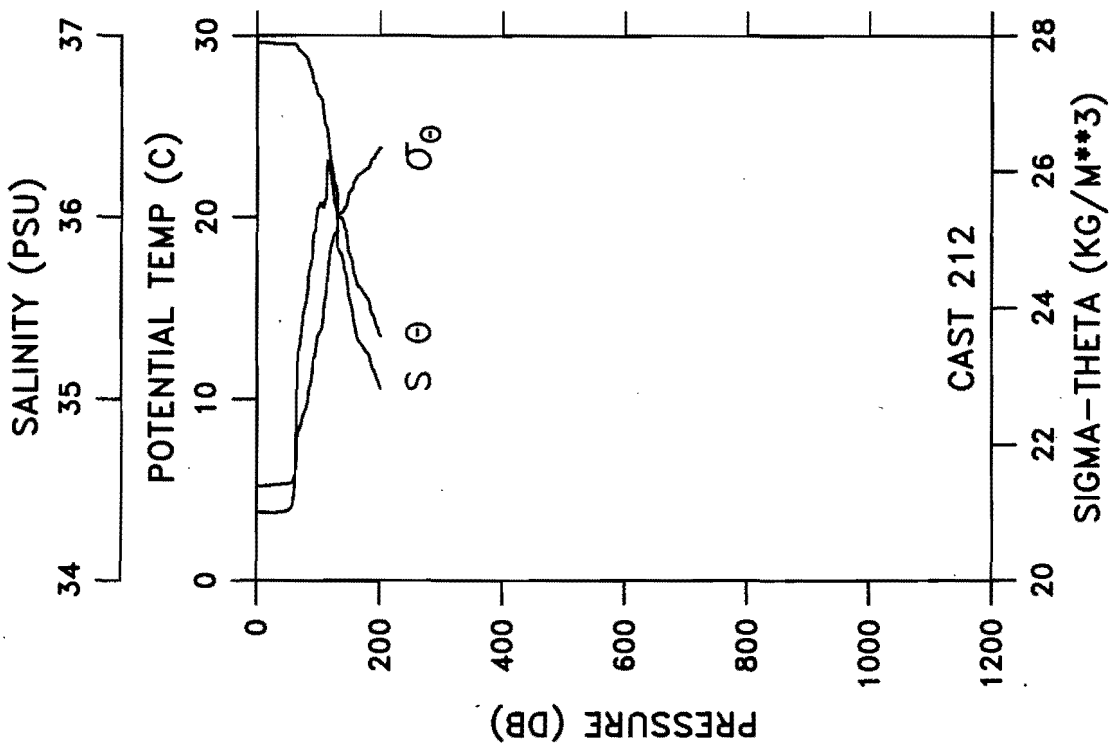


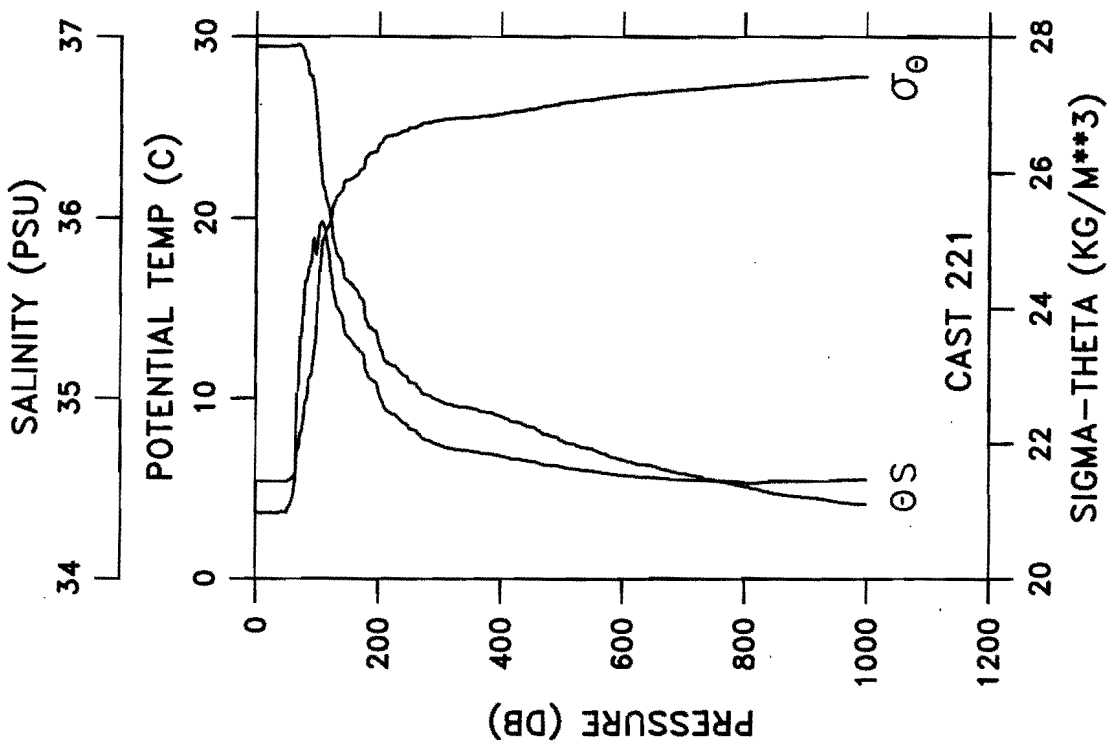
CAST GP3-98-KA-0211 DATE 20 JUN 98 TIME 1624 GMT
LAT 05 02.5S LONG 169 59.2W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 101 T SPD 14 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.9 WET 25.7 DEPTH 5395 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.514	34.368	21.420	0.000
10	29.513	34.367	21.419	0.064
20	29.519	34.367	21.417	0.127
30	29.518	34.368	21.418	0.191
40	29.516	34.371	21.421	0.255
50	29.514	34.375	21.425	0.319
60	29.501	34.474	21.504	0.383
70	28.883	35.492	22.475	0.440
80	28.566	35.627	22.682	0.492
90	27.911	35.804	23.030	0.542
100	27.029	36.011	23.472	0.589
110	26.316	36.153	23.806	0.632
120	25.520	36.321	24.182	0.672
130	24.604	36.356	24.489	0.708
140	23.044	36.233	24.858	0.741
150	21.163	35.972	25.191	0.772
160	19.612	35.754	25.440	0.798
170	18.231	35.573	25.655	0.823
180	16.462	35.356	25.916	0.846
190	15.635	35.267	26.037	0.867
200	14.775	35.180	26.161	0.886
250	11.611	34.897	26.583	0.969
300	10.193	34.772	26.741	1.041
350	9.625	34.725	26.801	1.108
400	9.102	34.690	26.860	1.172
450	8.579	34.664	26.922	1.234
500	8.076	34.636	26.977	1.293
550	7.573	34.608	27.029	1.350
600	6.992	34.586	27.094	1.404
650	6.517	34.559	27.137	1.456
700	6.044	34.539	27.183	1.506
750	5.714	34.537	27.223	1.554
800	5.335	34.538	27.270	1.600
900	4.863	34.537	27.324	1.687
1000	4.180	34.549	27.409	1.768
1004	4.161	34.549	27.411	1.771

CAST GP3-98-KA-0212 DATE 21 JUN 98 TIME 0344 GMT
LAT 04 59.9S LONG 170 00.2W WEATHER 1 SEA STATE 3
BAROMETER 07 WIND DIR 092 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 30.0 WET 26.0 DEPTH 5421 M

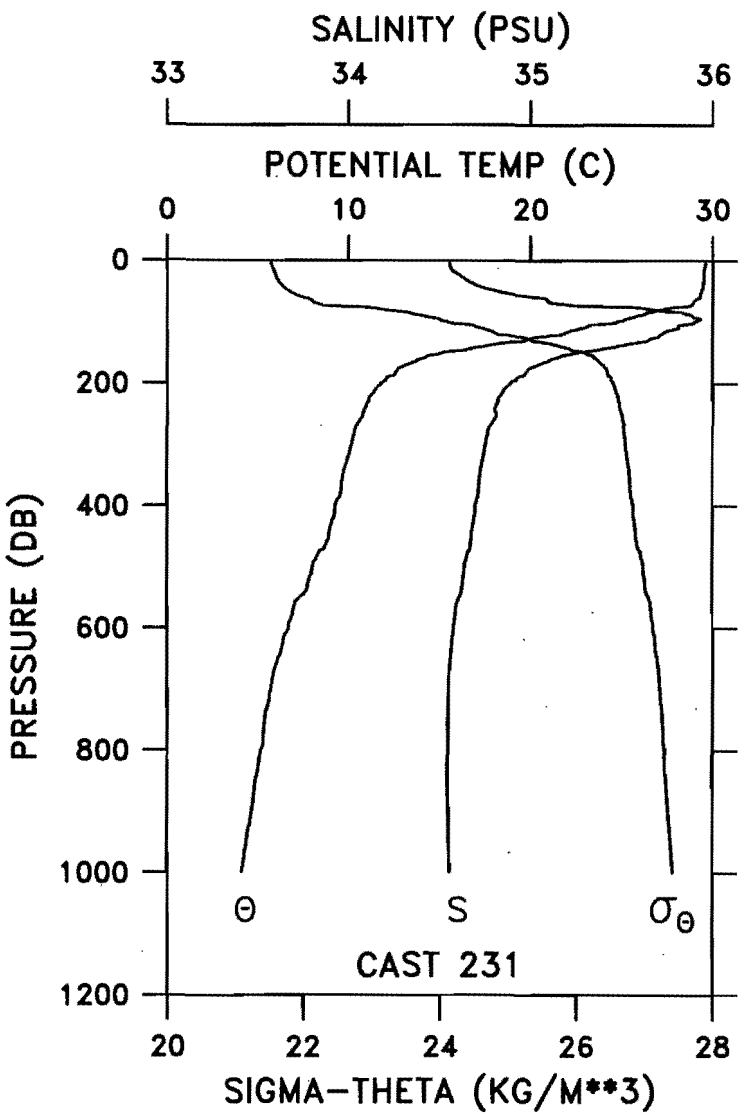
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.620	34.381	21.394	0.000
10	29.619	34.378	21.392	0.064
20	29.604	34.378	21.396	0.128
30	29.552	34.377	21.414	0.192
40	29.546	34.381	21.419	0.256
50	29.541	34.387	21.425	0.320
60	29.524	34.474	21.496	0.383
70	29.155	35.302	22.241	0.443
80	28.799	35.533	22.534	0.497
90	27.789	35.773	23.047	0.548
100	26.691	36.050	23.610	0.594
110	25.204	36.090	24.104	0.636
120	22.950	36.228	24.881	0.671
130	21.209	35.982	25.185	0.700
140	19.692	35.761	25.425	0.727
150	17.987	35.552	25.699	0.752
160	16.692	35.385	25.883	0.774
170	16.011	35.300	25.977	0.795
180	15.527	35.255	26.052	0.816
190	14.520	35.159	26.200	0.835
200	13.501	35.067	26.344	0.853
201	13.459	35.060	26.347	0.854





CAST GP3-98-KA-0221 DATE 21 JUN 98 TIME 1706 GMT
LAT 03 00.0S LONG 169 59.9W WEATHER 1 SEA STATE 4
BAROMETER 07 WIND DIR 090 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.8 WET 25.9 DEPTH 5088 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.444	34.368	21.443	0.000
10	29.448	34.363	21.438	0.063
20	29.445	34.366	21.442	0.127
30	29.447	34.366	21.440	0.191
40	29.453	34.370	21.442	0.254
50	29.446	34.366	21.441	0.318
60	29.490	34.460	21.497	0.381
70	29.556	35.098	21.953	0.443
80	28.808	35.651	22.619	0.499
90	27.829	35.754	23.020	0.549
100	25.091	35.842	23.952	0.594
110	21.723	35.962	25.029	0.628
120	20.234	35.750	25.273	0.656
130	18.210	35.528	25.626	0.682
140	17.561	35.463	25.736	0.705
150	16.532	35.345	25.891	0.727
160	16.148	35.299	25.945	0.749
170	15.572	35.261	26.047	0.769
180	14.324	35.151	26.236	0.789
190	13.844	35.103	26.300	0.807
200	13.065	35.032	26.405	0.824
250	10.913	34.833	26.661	0.900
300	9.874	34.741	26.771	0.969
350	9.478	34.708	26.812	1.035
400	9.017	34.682	26.866	1.099
450	8.434	34.650	26.934	1.161
500	7.666	34.619	27.024	1.219
550	7.206	34.597	27.073	1.273
600	6.607	34.573	27.136	1.325
650	6.242	34.562	27.175	1.375
700	5.830	34.549	27.218	1.422
750	5.464	34.543	27.258	1.469
800	5.124	34.534	27.292	1.513
900	4.514	34.542	27.367	1.596
1000	4.145	34.550	27.413	1.673
1003	4.145	34.549	27.413	1.676

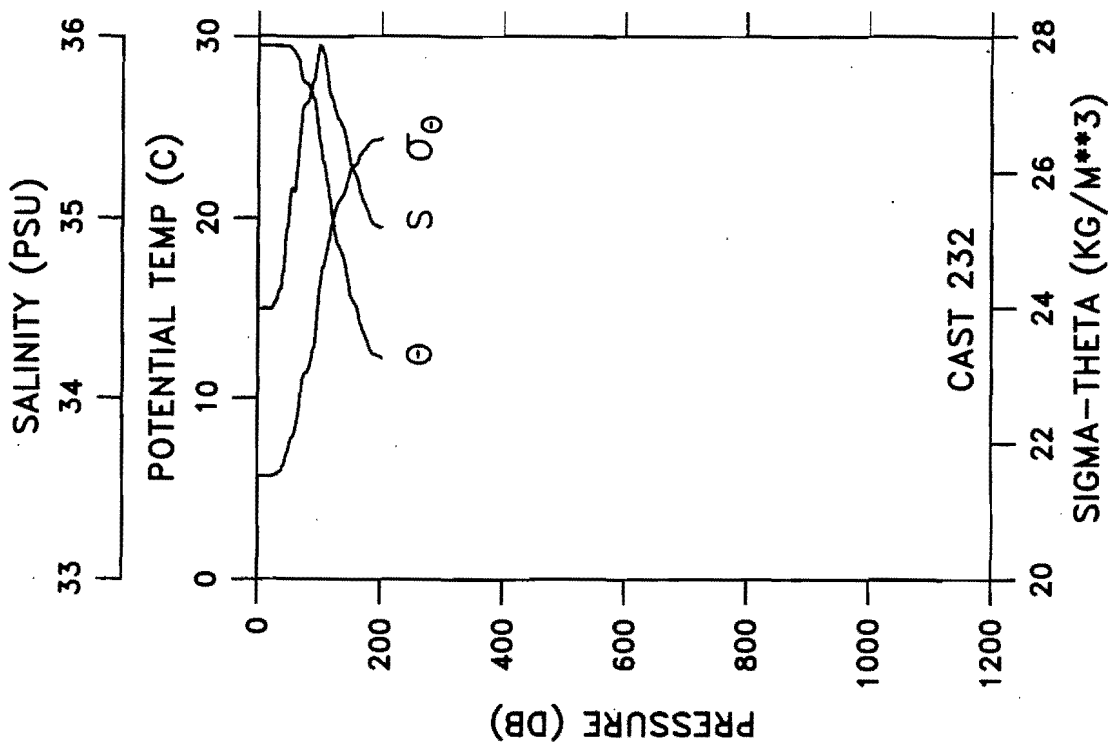


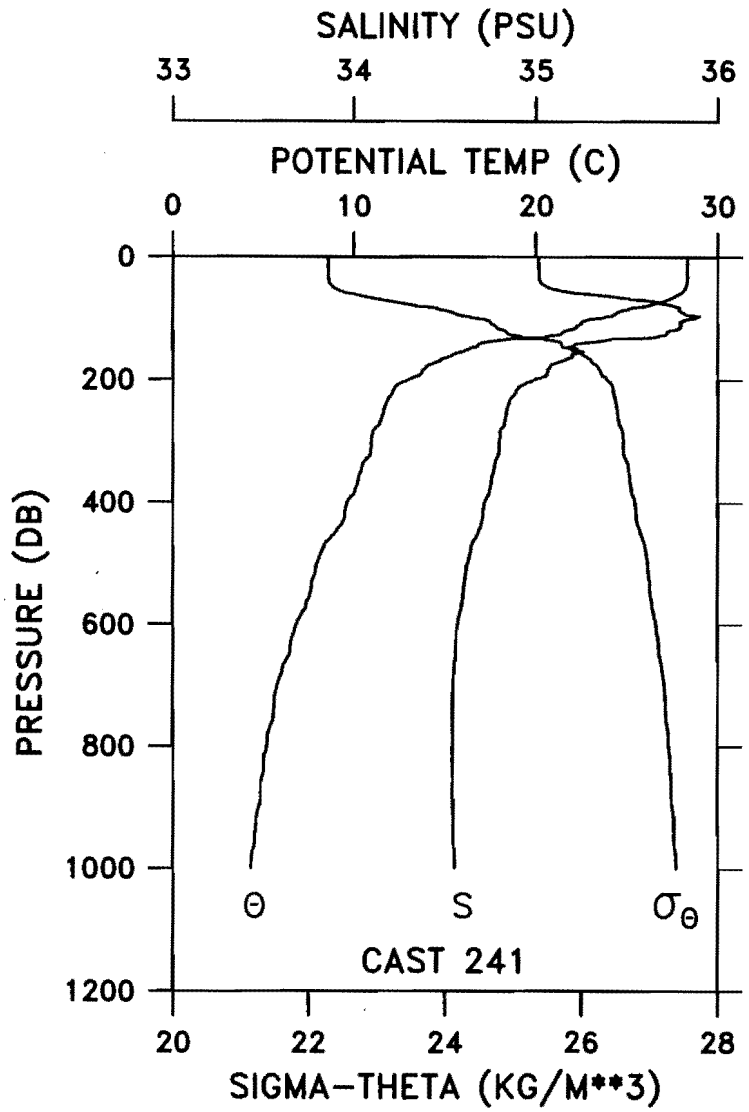
CAST GP3-98-KA-0231 DATE 22 JUN 98 TIME 0011 GMT
LAT 02 08.3S LONG 170 01.6W WEATHER 1 SEA STATE 3
BAROMETER 07 WIND DIR 076 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 29.5 WET 26.0 DEPTH 4942 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.628	34.556	21.522	0.000
10	29.564	34.559	21.546	0.063
20	29.530	34.590	21.581	0.125
30	29.527	34.637	21.617	0.187
40	29.489	34.697	21.675	0.249
50	29.384	34.818	21.801	0.310
60	29.279	35.036	22.000	0.369
70	28.912	35.139	22.200	0.427
80	27.128	35.684	23.194	0.479
90	25.820	35.889	23.762	0.523
100	24.721	35.902	24.110	0.563
110	22.833	35.812	24.599	0.598
120	21.708	35.717	24.846	0.631
130	19.648	35.643	25.346	0.659
140	17.439	35.466	25.767	0.684
150	15.167	35.254	26.132	0.705
160	13.935	35.118	26.293	0.723
170	13.136	35.038	26.395	0.740
180	12.639	34.980	26.450	0.757
190	12.117	34.926	26.510	0.773
200	11.785	34.888	26.543	0.788
250	10.786	34.811	26.667	0.862
300	10.188	34.753	26.727	0.932
350	9.714	34.722	26.784	0.999
400	9.290	34.696	26.834	1.065
450	8.938	34.676	26.875	1.129
500	8.037	34.637	26.983	1.189
550	7.286	34.605	27.068	1.246
600	6.699	34.578	27.128	1.298
650	6.094	34.559	27.193	1.348
700	5.710	34.550	27.234	1.395
750	5.393	34.545	27.268	1.440
800	5.166	34.545	27.295	1.484
900	4.664	34.546	27.354	1.568
1000	4.121	34.555	27.420	1.647
1008	4.093	34.554	27.422	1.653

CAST GP3-98-KA-0232 DATE 22 JUN 98 TIME 1023 GMT
LAT 02 13.7S LONG 170 01.9W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 040 T SPD 18 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 28.0 WET 24.4 DEPTH 4944 M

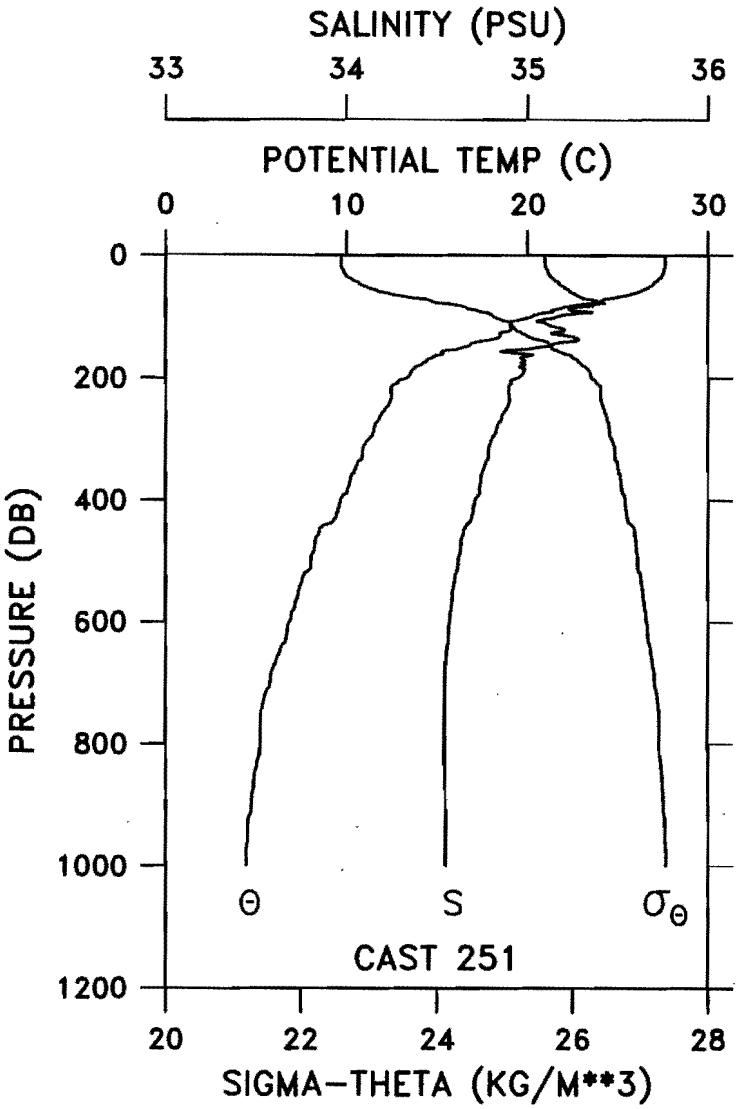
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.501	34.497	21.521	0.000
10	29.505	34.499	21.521	0.063
20	29.497	34.495	21.521	0.126
30	29.523	34.545	21.549	0.188
40	29.495	34.685	21.664	0.250
50	29.472	35.022	21.924	0.311
60	29.059	35.161	22.167	0.369
70	28.017	35.507	22.773	0.423
80	27.449	35.635	23.054	0.472
90	26.638	35.755	23.405	0.519
100	24.278	35.954	24.282	0.561
110	22.514	35.848	24.718	0.595
120	20.004	35.663	25.267	0.625
130	18.518	35.546	25.562	0.651
140	17.679	35.476	25.717	0.675
150	15.688	35.301	26.051	0.697
160	15.095	35.226	26.126	0.716
170	13.750	35.099	26.317	0.734
180	12.872	35.016	26.432	0.751
190	12.404	34.961	26.481	0.768
200	12.266	34.946	26.497	0.783
201	12.221	34.949	26.507	0.785





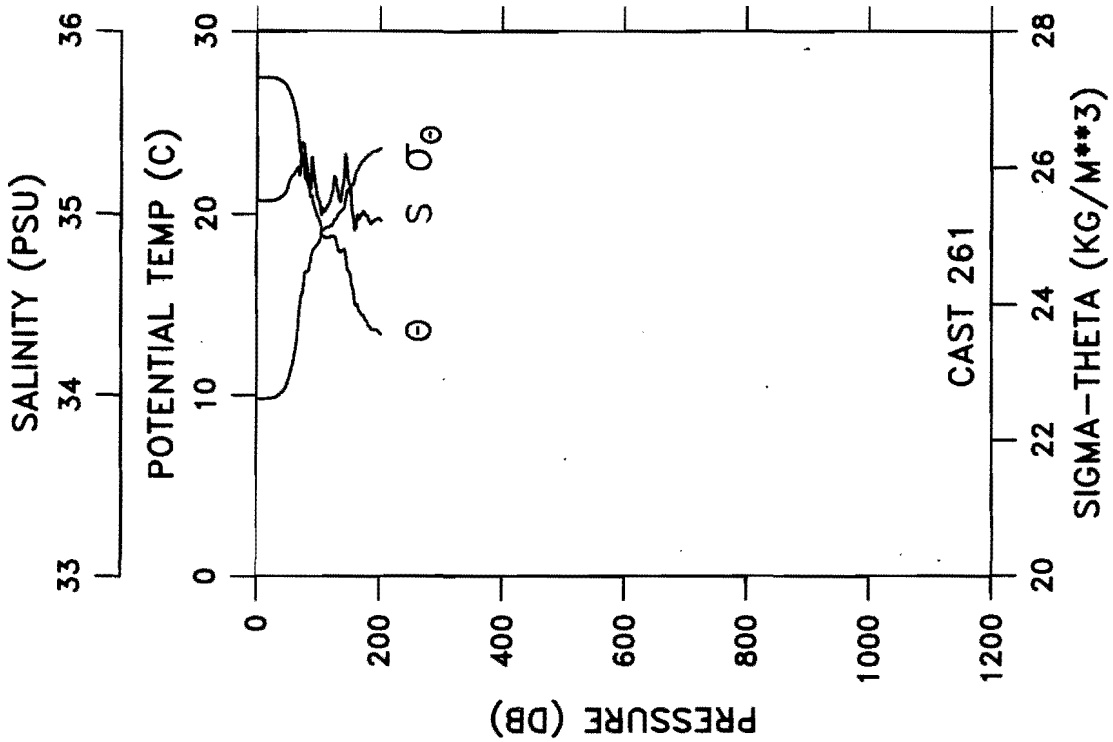
CAST GP3-98-KA-0241 DATE 22 JUN 98 TIME 1119 GMT
LAT 01 00.0S LONG 169 51.7W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 030 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.9 WET 23.9 DEPTH 5788 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.348	35.016	22.294	0.000
10	28.343	35.016	22.296	0.055
20	28.343	35.016	22.296	0.111
30	28.342	35.017	22.297	0.166
40	28.330	35.024	22.306	0.221
50	28.230	35.072	22.376	0.277
60	27.861	35.292	22.662	0.330
70	27.204	35.600	23.107	0.381
80	26.056	35.769	23.598	0.426
90	24.483	35.807	24.110	0.466
100	23.349	35.856	24.483	0.503
110	22.403	35.799	24.713	0.536
120	21.598	35.732	24.888	0.568
130	20.484	35.656	25.134	0.599
140	16.999	35.251	25.709	0.624
150	16.330	35.230	25.849	0.647
160	15.401	35.201	26.039	0.668
170	14.686	35.140	26.150	0.687
180	13.963	35.077	26.255	0.706
190	13.681	35.063	26.303	0.724
200	12.999	34.989	26.385	0.741
250	11.678	34.842	26.528	0.821
300	10.990	34.802	26.623	0.897
350	10.408	34.769	26.702	0.970
400	9.656	34.722	26.793	1.039
450	9.000	34.685	26.872	1.104
500	8.015	34.626	26.979	1.164
550	7.584	34.603	27.023	1.221
600	6.868	34.573	27.101	1.276
650	6.480	34.564	27.146	1.327
700	5.771	34.547	27.224	1.376
750	5.569	34.545	27.247	1.422
800	5.208	34.543	27.289	1.466
900	4.745	34.545	27.344	1.551
1000	4.321	34.556	27.399	1.631
1006	4.298	34.556	27.402	1.636



CAST GP3-98-KA-0251 DATE 23 JUN 98 TIME 1109 GMT
LAT 00 00.7N LONG 169 49.0W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 094 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.0 WET 24.4 DEPTH 5269 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.633	35.097	22.589	0.000
10	27.633	35.098	22.590	0.052
20	27.625	35.101	22.595	0.105
30	27.508	35.118	22.646	0.157
40	27.233	35.150	22.758	0.209
50	26.796	35.195	22.932	0.259
60	26.061	35.244	23.200	0.308
70	24.551	35.312	23.715	0.352
80	22.872	35.351	24.239	0.392
90	21.338	35.243	24.588	0.427
100	20.193	35.163	24.836	0.460
110	19.025	35.096	25.089	0.490
120	19.118	35.205	25.149	0.519
130	18.466	35.203	25.312	0.547
140	17.435	35.252	25.605	0.573
150	16.465	35.061	25.688	0.596
160	15.314	34.946	25.861	0.619
170	14.459	34.975	26.071	0.640
180	13.973	34.968	26.169	0.659
190	13.586	34.980	26.259	0.678
200	13.330	34.946	26.285	0.696
250	12.177	34.884	26.465	0.779
300	11.254	34.803	26.576	0.858
350	10.471	34.756	26.680	0.931
400	9.678	34.711	26.781	1.001
450	8.514	34.648	26.919	1.066
500	8.064	34.618	26.964	1.126
550	7.384	34.585	27.038	1.183
600	6.867	34.571	27.099	1.237
650	6.319	34.553	27.159	1.289
700	5.808	34.544	27.217	1.337
750	5.289	34.543	27.279	1.382
800	5.252	34.542	27.283	1.426
900	4.770	34.547	27.342	1.511
1000	4.482	34.551	27.378	1.592
1500	2.772	34.606	27.591	1.936
2000	2.077	34.639	27.677	2.211
2500	1.696	34.659	27.722	2.456
3000	1.407	34.672	27.754	2.688
3500	1.275	34.680	27.769	2.913
4000	1.071	34.692	27.793	3.133
4007	1.070	34.692	27.793	3.136

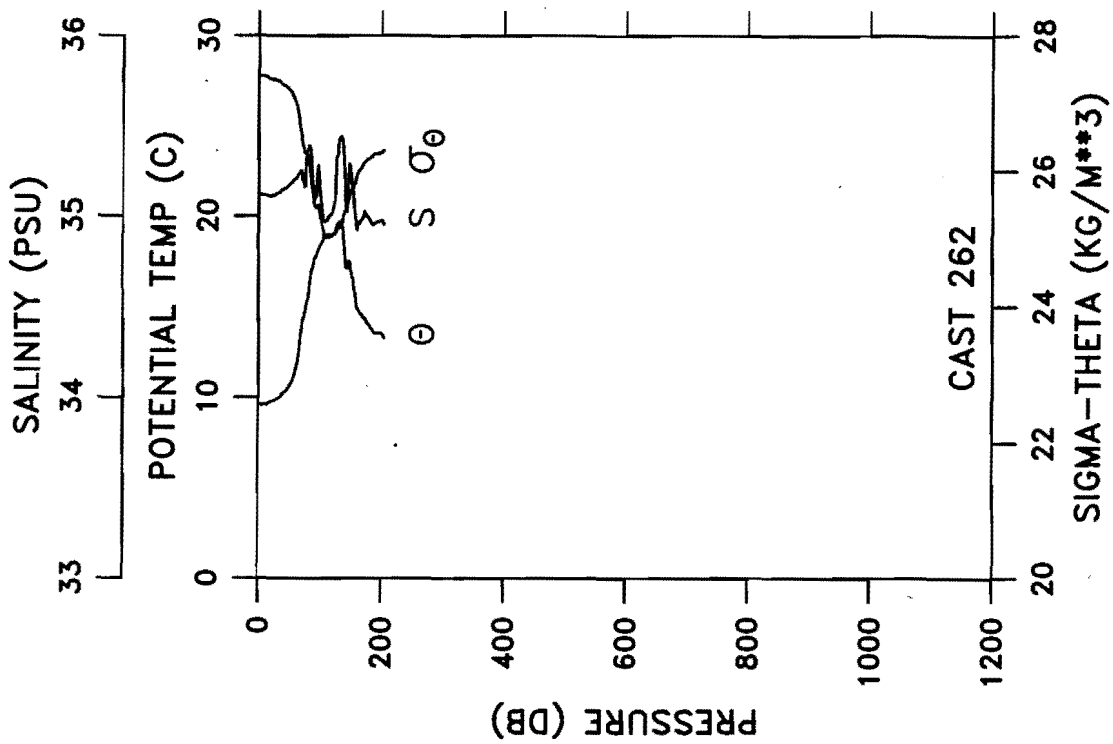


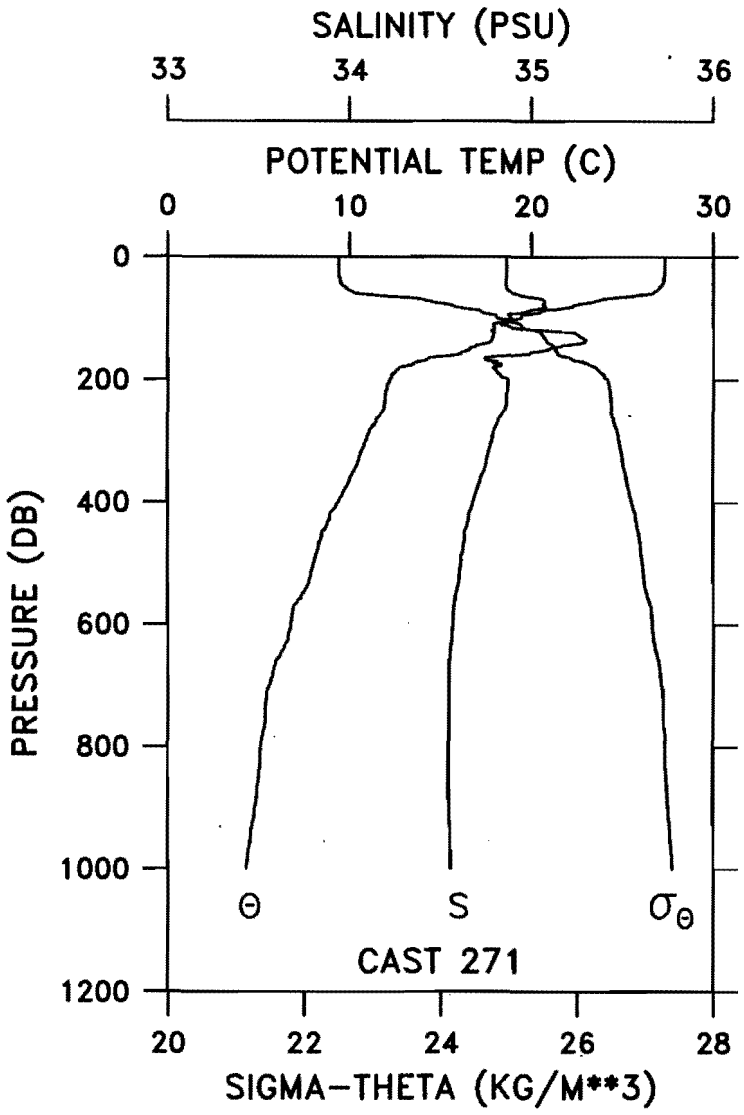
CAST GP3-98-KA-0261 DATE 23 JUN 98 TIME 1707 GMT
LAT 00 00.9N LONG 170 00.8W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 077 T SPD 16 KT VISIBILITY 7
CLOUD 1 AMOUNT 2 DRY 26.3 WET 23.5 DEPTH 5279 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.486	35.075	22.620	0.000
10	27.490	35.069	22.615	0.052
20	27.475	35.071	22.620	0.104
30	27.441	35.074	22.634	0.157
40	27.252	35.095	22.711	0.209
50	26.899	35.145	22.861	0.260
60	25.977	35.212	23.203	0.308
70	23.484	35.218	23.960	0.352
80	21.839	35.284	24.480	0.389
90	20.942	35.310	24.747	0.423
100	19.751	35.082	24.891	0.455
110	18.711	35.013	25.105	0.484
120	18.723	35.085	25.158	0.513
130	18.395	35.142	25.284	0.541
140	17.978	35.162	25.403	0.567
150	16.820	35.167	25.686	0.592
160	15.028	34.910	25.897	0.615
170	14.497	34.999	26.081	0.635
180	14.008	34.983	26.173	0.655
190	13.591	34.961	26.243	0.673
200	13.424	34.969	26.284	0.691
202	13.367	34.961	26.289	0.695

CAST GP3-98-KA-0262 DATE 24 JUN 98 TIME 0549 GMT
LAT 00 01.3S LONG 170 02.4W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 103 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 28.4 WET 25.1 DEPTH 5605 M

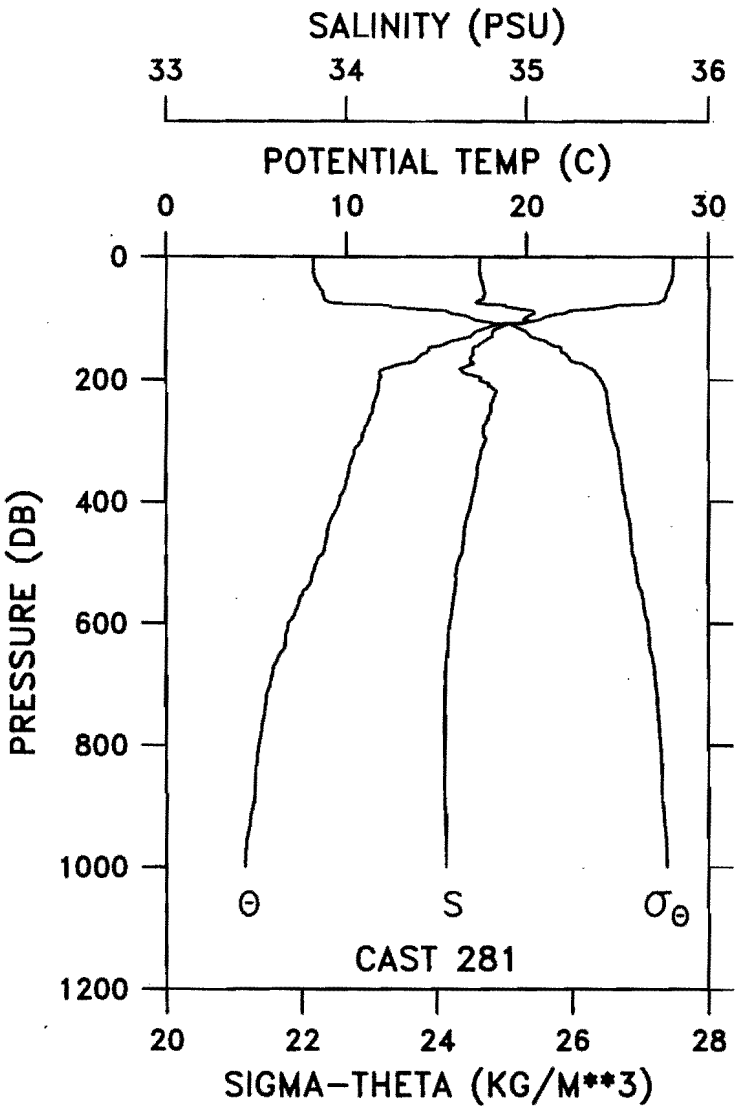
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.771	35.122	22.563	0.000
10	27.766	35.117	22.561	0.053
20	27.608	35.110	22.607	0.105
30	27.513	35.126	22.650	0.158
40	27.293	35.148	22.737	0.209
50	27.011	35.177	22.849	0.260
60	26.341	35.208	23.085	0.310
70	24.489	35.253	23.689	0.355
80	23.365	35.363	24.105	0.395
90	20.693	35.083	24.642	0.431
100	19.908	35.135	24.890	0.463
110	18.779	34.972	25.057	0.493
120	18.905	35.022	25.064	0.522
130	19.629	35.400	25.166	0.551
140	18.119	35.231	25.421	0.579
150	17.008	35.244	25.701	0.603
160	14.899	34.922	25.935	0.626
170	14.385	34.993	26.101	0.646
180	13.975	34.985	26.181	0.665
190	13.543	34.963	26.254	0.684
200	13.514	34.977	26.271	0.702
204	13.268	34.952	26.302	0.709





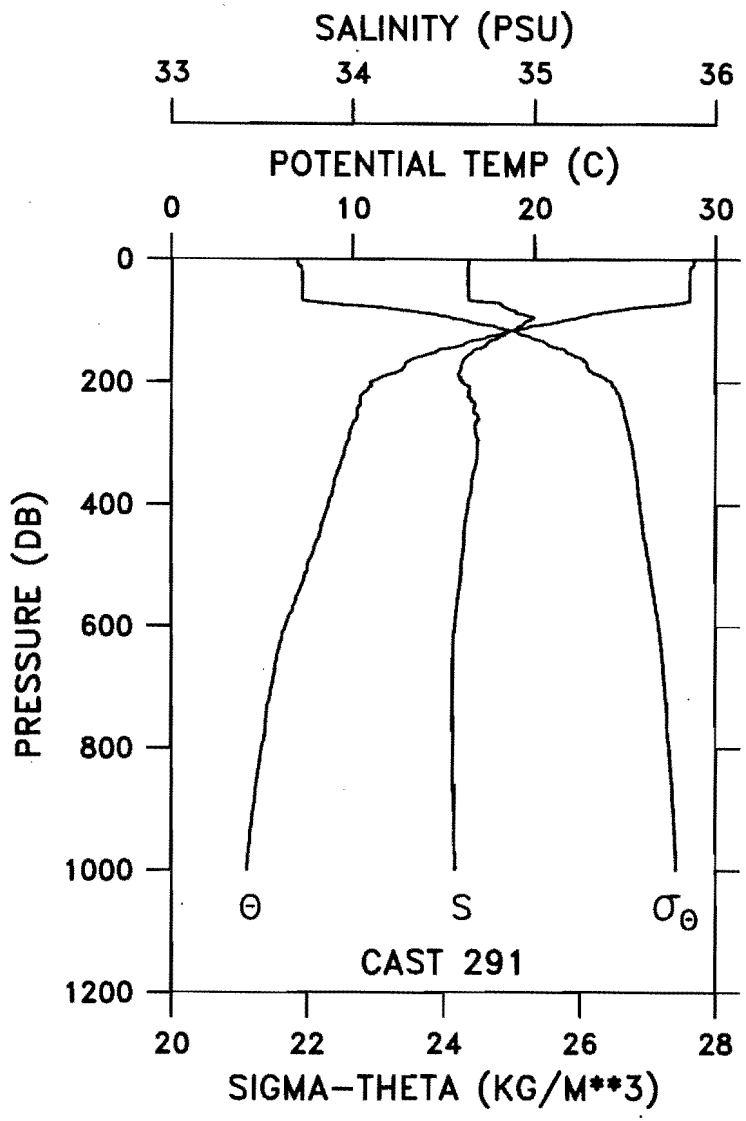
CAST GP3-98-KA-0271 DATE 24 JUN 98 TIME 1313 GMT
LAT 01 00.3N LONG 170 00.5W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 078 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 26.5 WET 24.4 DEPTH 5463 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.338	34.865	22.510	0.000
10	27.335	34.864	22.510	0.053
20	27.338	34.864	22.509	0.107
30	27.323	34.862	22.513	0.160
40	27.259	34.860	22.531	0.213
50	27.006	34.863	22.614	0.266
60	26.480	34.909	22.817	0.318
70	23.748	35.065	23.767	0.364
80	22.283	35.075	24.196	0.403
90	20.503	34.958	24.597	0.438
100	19.414	34.887	24.830	0.471
110	17.902	34.830	25.167	0.500
120	17.763	35.083	25.395	0.528
130	17.864	35.268	25.512	0.553
140	17.604	35.278	25.583	0.578
150	16.602	35.097	25.684	0.602
160	15.724	34.906	25.739	0.625
170	13.942	34.809	26.052	0.647
180	12.744	34.789	26.281	0.665
190	12.401	34.817	26.370	0.683
200	12.205	34.872	26.451	0.699
250	11.839	34.849	26.503	0.779
300	10.883	34.781	26.626	0.856
350	10.229	34.736	26.707	0.928
400	9.384	34.678	26.804	0.996
450	8.481	34.630	26.911	1.060
500	8.031	34.612	26.965	1.120
550	7.396	34.584	27.036	1.177
600	6.776	34.567	27.109	1.231
650	6.171	34.554	27.178	1.282
700	5.557	34.546	27.249	1.328
750	5.359	34.543	27.271	1.373
800	5.119	34.543	27.300	1.417
900	4.766	34.547	27.343	1.502
1000	4.310	34.557	27.401	1.582
1004	4.309	34.556	27.400	1.585



CAST GP3-98-KA-0281 DATE 24 JUN 98 TIME 2014 GMT
LAT 01 58.3N LONG 170 00.3W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 079 T SPD 09 KT VISIBILITY 7
CLOUD 2 AMOUNT 4 DRY 27.0 WET 23.9 DEPTH 5407 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.078	34.743	22.178	0.000
10	28.074	34.741	22.178	0.056
20	28.067	34.742	22.181	0.113
30	28.055	34.743	22.186	0.169
40	27.965	34.753	22.223	0.226
50	27.828	34.761	22.273	0.282
60	27.692	34.768	22.323	0.337
70	27.568	34.749	22.348	0.392
80	24.812	34.888	23.315	0.445
90	22.236	35.042	24.185	0.487
100	20.885	34.990	24.519	0.522
110	18.367	34.894	25.101	0.555
120	17.345	34.818	25.293	0.583
130	16.880	34.807	25.395	0.610
140	15.616	34.751	25.644	0.634
150	14.574	34.703	25.836	0.657
160	14.159	34.702	25.924	0.679
170	13.807	34.688	25.987	0.700
180	12.447	34.656	26.236	0.719
190	11.857	34.664	26.356	0.737
200	11.844	34.745	26.422	0.753
250	11.457	34.801	26.537	0.832
300	10.838	34.774	26.629	0.908
350	10.122	34.727	26.718	0.979
400	9.593	34.693	26.781	1.048
450	8.922	34.654	26.860	1.113
500	8.341	34.621	26.925	1.176
550	7.567	34.600	27.024	1.235
600	6.751	34.572	27.116	1.289
650	6.291	34.559	27.167	1.340
700	5.751	34.549	27.227	1.388
750	5.433	34.545	27.264	1.434
800	5.116	34.546	27.302	1.477
900	4.801	34.548	27.339	1.562
1000	4.361	34.554	27.394	1.642
1007	4.344	34.554	27.395	1.648

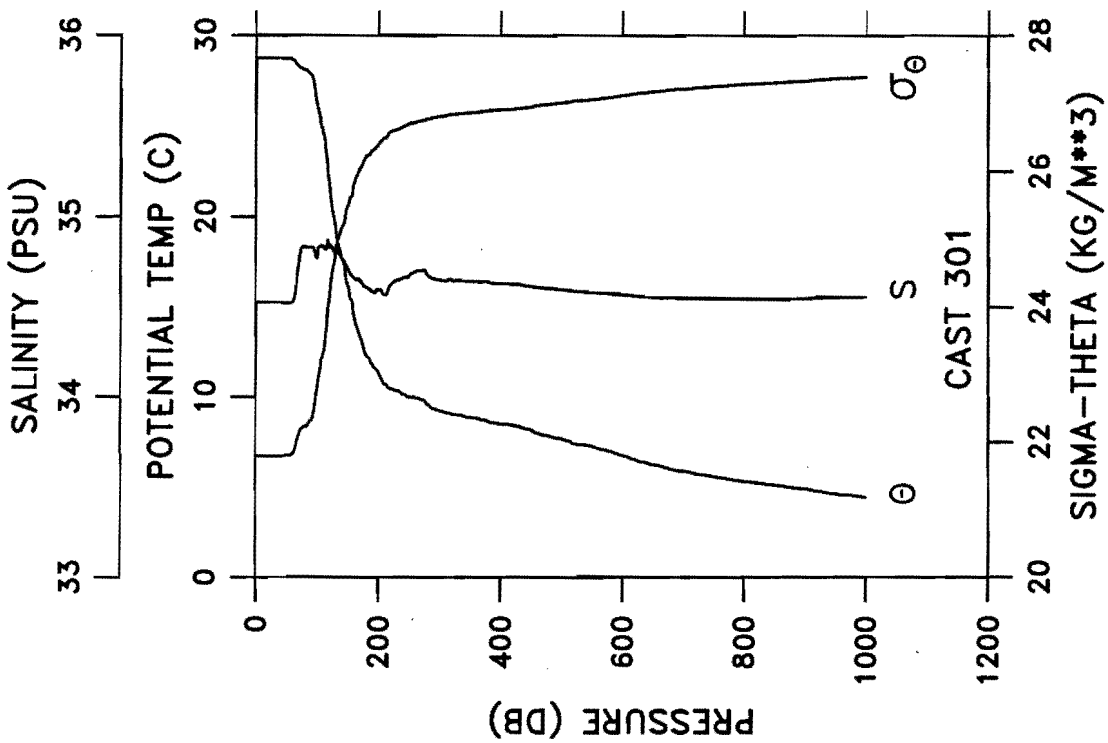


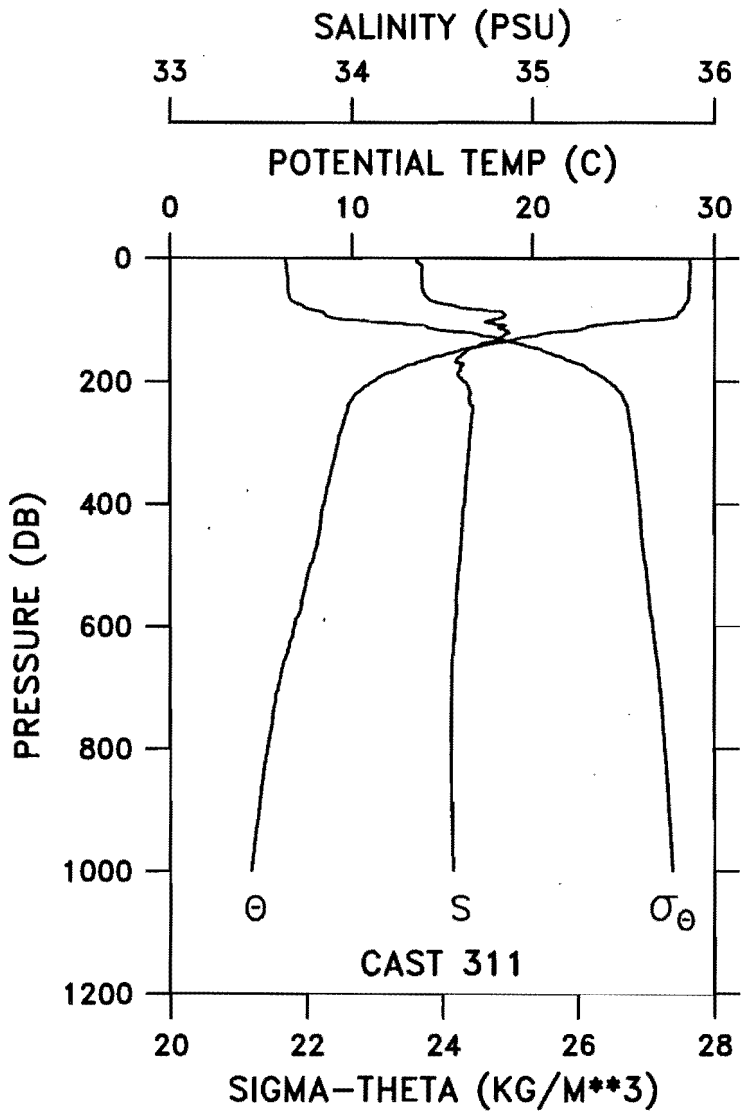
CAST GP3-98-KA-0291 DATE 25 JUN 98 TIME 0340 GMT
LAT 02 59.3N LONG 169 59.5W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 086 T SPD 12 KT VISIBILITY 7
CLOUD 8 AMOUNT 1 DRY 27.5 WET 24.1 DEPTH 5469 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.799	34.639	21.862	0.000
10	28.777	34.636	21.868	0.059
20	28.601	34.633	21.923	0.118
30	28.587	34.633	21.928	0.177
40	28.580	34.634	21.931	0.236
50	28.577	34.635	21.933	0.295
60	28.572	34.635	21.935	0.354
70	28.178	34.757	22.155	0.413
80	25.147	34.850	23.185	0.465
90	22.996	34.944	23.894	0.509
100	21.497	34.966	24.333	0.547
110	19.648	34.907	24.784	0.582
120	18.242	34.846	25.095	0.612
130	17.083	34.786	25.331	0.640
140	16.025	34.732	25.536	0.666
150	14.606	34.659	25.796	0.689
160	13.548	34.620	25.988	0.711
170	12.900	34.599	26.103	0.731
180	12.720	34.592	26.133	0.750
190	11.748	34.582	26.313	0.768
200	10.973	34.600	26.469	0.785
250	10.253	34.670	26.651	0.860
300	9.670	34.685	26.763	0.930
350	9.144	34.662	26.831	0.995
400	8.663	34.634	26.885	1.058
450	8.184	34.612	26.942	1.119
500	7.532	34.597	27.026	1.176
550	6.940	34.579	27.096	1.231
600	6.319	34.560	27.164	1.281
650	5.843	34.549	27.216	1.329
700	5.532	34.548	27.254	1.375
750	5.234	34.546	27.288	1.419
800	4.974	34.550	27.321	1.462
900	4.515	34.557	27.379	1.544
1000	4.162	34.562	27.421	1.621
1008	4.134	34.562	27.423	1.627

CAST GP3-98-KA-0301 DATE 25 JUN 98 TIME 1031 GMT
LAT 04 00.0N LONG 169 58.7W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 075 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 1 DRY 28.0 WET 25.0 DEPTH 5676 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.779	34.529	21.786	0.000
10	28.779	34.528	21.786	0.060
20	28.779	34.530	21.787	0.120
30	28.771	34.529	21.789	0.181
40	28.769	34.529	21.789	0.241
50	28.722	34.524	21.801	0.301
60	28.655	34.534	21.831	0.361
70	28.270	34.753	22.123	0.420
80	28.107	34.833	22.237	0.477
90	27.827	34.832	22.327	0.533
100	26.167	34.773	22.812	0.586
110	24.580	34.833	23.344	0.634
120	21.734	34.830	24.164	0.676
130	19.286	34.836	24.824	0.711
140	17.666	34.764	25.174	0.740
150	16.126	34.711	25.497	0.767
160	14.454	34.659	25.828	0.791
170	13.350	34.647	26.049	0.812
180	12.324	34.608	26.223	0.831
190	11.780	34.584	26.308	0.849
200	11.312	34.599	26.407	0.866
250	9.981	34.674	26.701	0.941
300	9.233	34.649	26.806	1.008
350	8.860	34.642	26.860	1.072
400	8.507	34.631	26.907	1.133
450	8.180	34.615	26.945	1.194
500	7.680	34.597	27.005	1.251
550	7.265	34.583	27.054	1.307
600	6.731	34.569	27.116	1.360
650	6.226	34.556	27.173	1.410
700	5.874	34.551	27.214	1.458
750	5.568	34.548	27.250	1.505
800	5.297	34.548	27.282	1.550
900	4.898	34.550	27.330	1.636
1000	4.433	34.560	27.390	1.717
1006	4.409	34.560	27.393	1.722



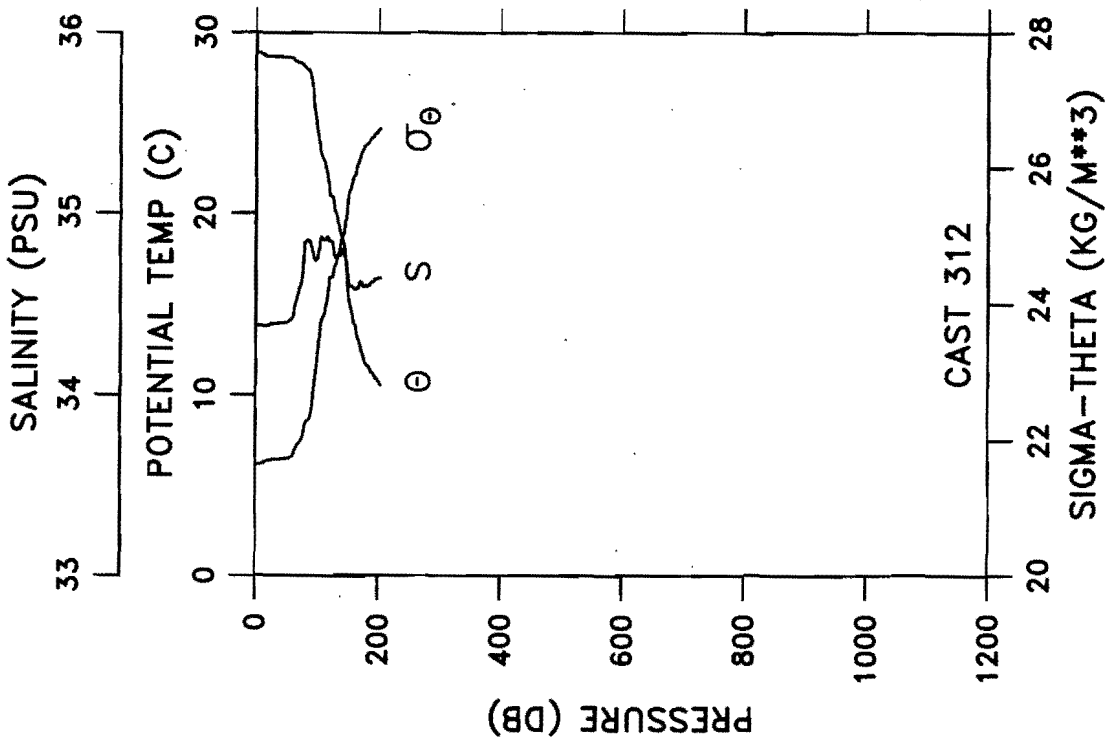


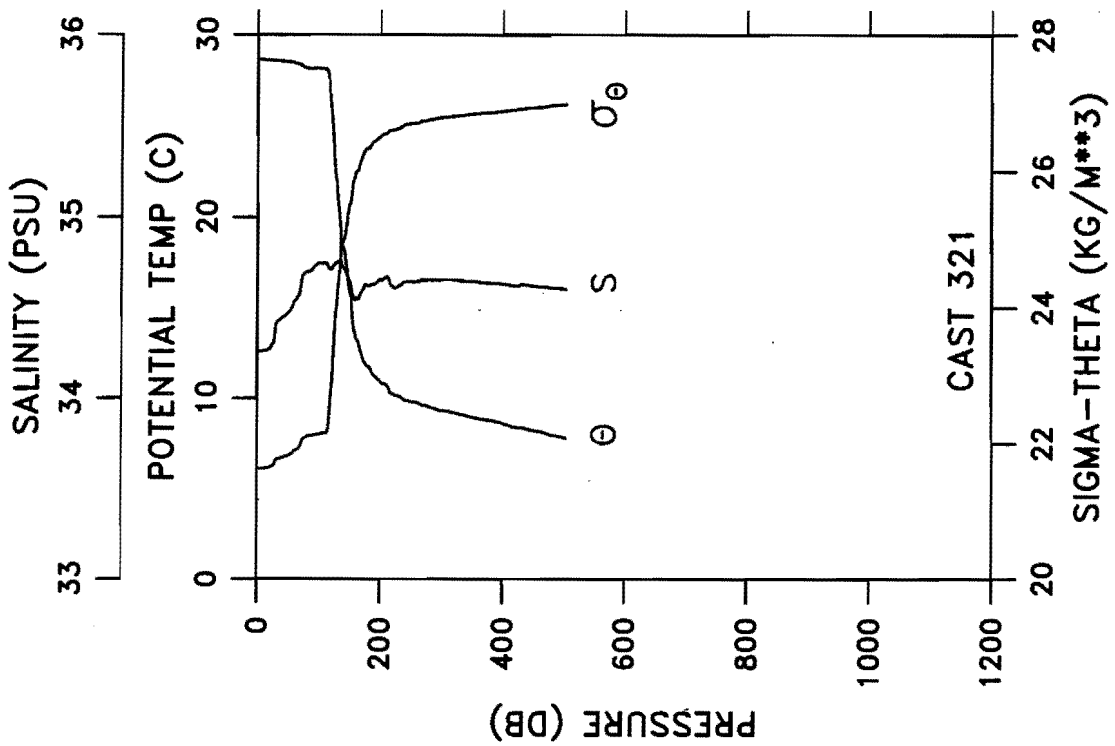
CAST GP3-98-KA-0311 DATE 25 JUN 98 TIME 1711 GMT
LAT 04 57.0N LONG 169 58.1W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 050 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 1 DRY 26.5 WET 24.9 DEPTH 5799 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.673	34.360	21.695	0.000
10	28.695	34.386	21.707	0.061
20	28.687	34.387	21.710	0.122
30	28.641	34.386	21.724	0.183
40	28.633	34.387	21.728	0.244
50	28.627	34.391	21.733	0.305
60	28.623	34.406	21.746	0.366
70	28.535	34.452	21.809	0.426
80	28.337	34.598	21.984	0.486
90	28.019	34.842	22.272	0.543
100	26.773	34.783	22.628	0.598
110	23.274	34.851	23.743	0.645
120	21.129	34.854	24.349	0.685
130	19.235	34.807	24.814	0.719
140	17.503	34.711	25.173	0.749
150	15.971	34.638	25.477	0.776
160	14.576	34.598	25.755	0.800
170	13.510	34.587	25.970	0.822
180	12.634	34.599	26.156	0.842
190	11.713	34.587	26.323	0.860
200	11.197	34.621	26.445	0.877
250	9.736	34.669	26.739	0.949
300	9.241	34.651	26.807	1.015
350	8.837	34.635	26.859	1.078
400	8.463	34.622	26.907	1.140
450	8.193	34.608	26.937	1.200
500	7.693	34.593	27.000	1.259
550	7.304	34.578	27.044	1.315
600	6.841	34.571	27.103	1.368
650	6.343	34.558	27.159	1.420
700	5.918	34.553	27.210	1.468
750	5.609	34.549	27.246	1.514
800	5.331	34.550	27.279	1.560
900	4.867	34.553	27.336	1.645
1000	4.447	34.561	27.390	1.726
1006	4.423	34.561	27.392	1.731

CAST GP3-98-KA-0312 DATE 26 JUN 98 TIME 0325 GMT
LAT 04 58.4N LONG 169 58.6W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 066 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 28.7 WET 26.2 DEPTH 5765 M

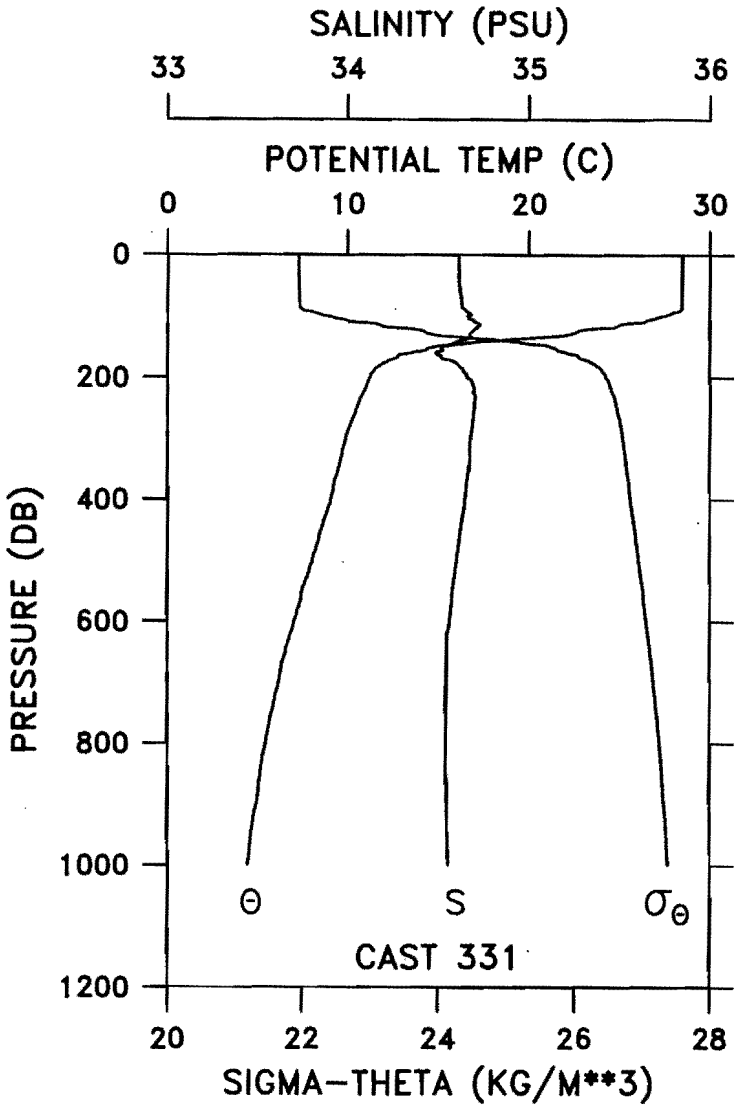
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.872	34.384	21.847	0.000
10	28.840	34.383	21.656	0.062
20	28.699	34.384	21.704	0.123
30	28.676	34.396	21.720	0.184
40	28.666	34.396	21.724	0.245
50	28.649	34.402	21.734	0.306
60	28.599	34.429	21.771	0.366
70	28.358	34.572	21.958	0.426
80	28.084	34.835	22.245	0.484
90	27.576	34.827	22.404	0.540
100	24.671	34.750	23.253	0.590
110	22.977	34.856	23.833	0.633
120	20.988	34.852	24.386	0.673
130	19.987	34.754	24.579	0.708
140	18.712	34.800	24.942	0.740
150	15.737	34.656	25.544	0.769
160	13.905	34.585	25.887	0.792
170	12.714	34.623	26.158	0.812
180	11.638	34.597	26.345	0.830
190	11.154	34.623	26.454	0.846
200	10.686	34.648	26.557	0.862
203	10.537	34.642	26.580	0.867





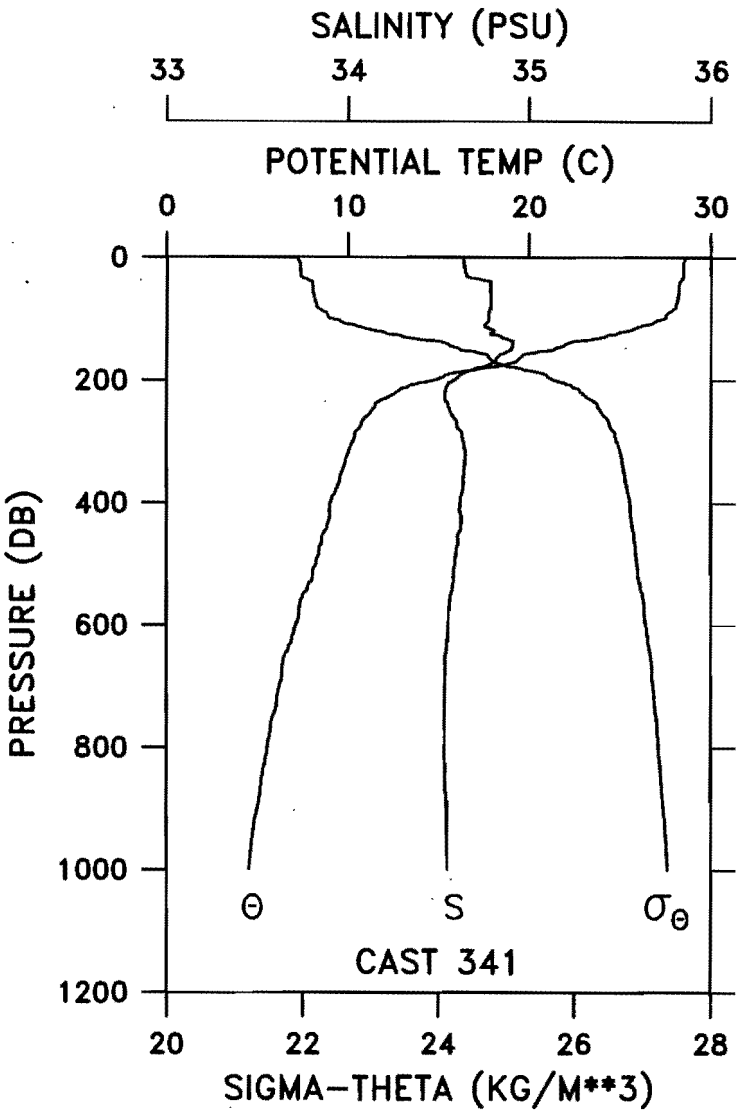
CAST GP3-98-KA-0321 DATE 26 JUN 98 TIME 2306 GMT
LAT 05 57.3N LONG 173 10.6W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 063 T SPD 19 KT VISIBILITY 7
CLOUD 7 AMOUNT 8 DRY 28.5 WET 25.0 DEPTH 5854 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.669	34.262	21.622	0.000
10	28.639	34.263	21.633	0.062
20	28.627	34.275	21.646	0.123
30	28.589	34.402	21.754	0.185
40	28.571	34.445	21.792	0.245
50	28.536	34.472	21.824	0.305
60	28.470	34.537	21.894	0.365
70	28.393	34.596	21.965	0.424
80	28.197	34.699	22.106	0.482
90	28.166	34.714	22.127	0.540
100	28.187	34.746	22.145	0.597
110	28.152	34.748	22.158	0.654
120	26.041	34.716	22.808	0.709
130	21.385	34.757	24.205	0.753
140	18.288	34.723	24.990	0.786
150	15.835	34.649	25.516	0.814
160	13.332	34.552	25.980	0.837
170	12.391	34.591	26.197	0.857
180	11.754	34.623	26.344	0.874
190	11.248	34.631	26.443	0.891
200	10.967	34.660	26.517	0.907
250	9.823	34.645	26.705	0.980
300	9.343	34.657	26.794	1.047
350	8.982	34.649	26.846	1.112
400	8.632	34.632	26.889	1.174
450	8.232	34.621	26.942	1.235
500	7.861	34.605	26.985	1.293
504	7.813	34.602	26.990	1.298



CAST GP3-98-KA-0331 DATE 28 JUN 98 TIME 1736 GMT
LAT 08 00.6N LONG 179 57.7W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 061 T SPD 19 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.3 WET 25.5 DEPTH 5951 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.475	34.615	21.952	0.000
10	28.476	34.615	21.951	0.059
20	28.476	34.615	21.951	0.117
30	28.478	34.616	21.951	0.176
40	28.476	34.617	21.952	0.235
50	28.476	34.618	21.953	0.293
60	28.480	34.623	21.956	0.352
70	28.477	34.630	21.962	0.411
80	28.474	34.632	21.965	0.470
90	28.372	34.653	22.014	0.529
100	27.292	34.664	22.373	0.585
110	25.930	34.710	22.839	0.638
120	23.447	34.709	23.585	0.686
130	22.113	34.675	23.941	0.727
140	17.913	34.612	24.998	0.762
150	14.763	34.524	25.657	0.789
160	13.457	34.492	25.907	0.811
170	12.515	34.537	26.131	0.831
180	11.834	34.614	26.322	0.849
190	11.437	34.641	26.417	0.866
200	11.244	34.661	26.468	0.882
250	10.525	34.702	26.628	0.958
300	9.915	34.680	26.717	1.029
350	9.509	34.668	26.776	1.097
400	9.100	34.650	26.828	1.163
450	8.562	34.626	26.895	1.226
500	8.093	34.605	26.950	1.287
550	7.518	34.581	27.016	1.345
600	7.071	34.563	27.065	1.401
650	6.578	34.548	27.121	1.454
700	6.189	34.545	27.169	1.504
750	5.803	34.543	27.217	1.553
800	5.467	34.544	27.259	1.599
900	4.959	34.549	27.323	1.687
1000	4.464	34.557	27.385	1.769
1500	2.976	34.598	27.566	2.122
2000	2.085	34.638	27.675	2.404
2500	1.693	34.660	27.723	2.651
3000	1.463	34.671	27.749	2.885
3500	1.254	34.681	27.772	3.111
4000	1.053	34.692	27.795	3.328
4014	1.052	34.692	27.795	3.334



CAST GP3-98-KA-0341 DATE 02 JUL 98 TIME 0207 GMT
LAT 09 20.5N LONG 167 40.1E WEATHER SEA STATE
BAROMETER 11 WIND DIR T SPD KT VISIBILITY
CLOUD AMOUNT DRY 27.6 WET 25.0 DEPTH 3746 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.600	34.640	21.929	0.000
10	28.520	34.643	21.957	0.059
20	28.504	34.648	21.967	0.117
30	28.506	34.659	21.974	0.176
40	28.283	34.788	22.144	0.234
50	28.264	34.789	22.152	0.291
60	28.233	34.790	22.162	0.347
70	28.168	34.793	22.186	0.404
80	28.095	34.790	22.208	0.461
90	27.648	34.780	22.346	0.517
100	27.338	34.780	22.446	0.572
110	26.268	34.758	22.769	0.625
120	25.258	34.806	23.118	0.675
130	24.045	34.846	23.513	0.721
140	22.101	34.911	24.123	0.761
150	21.386	34.901	24.315	0.799
160	19.638	34.834	24.731	0.833
170	19.245	34.808	24.813	0.865
180	17.426	34.708	25.189	0.896
190	15.553	34.628	25.563	0.922
200	14.708	34.584	25.715	0.946
250	11.284	34.568	26.388	1.042
300	10.274	34.640	26.624	1.120
350	9.646	34.642	26.732	1.191
400	9.012	34.620	26.819	1.259
450	8.618	34.611	26.874	1.323
500	8.221	34.593	26.921	1.385
550	7.509	34.569	27.008	1.444
600	7.109	34.557	27.055	1.500
650	6.491	34.540	27.126	1.554
700	6.194	34.537	27.162	1.604
750	5.817	34.536	27.209	1.653
800	5.544	34.536	27.243	1.700
900	4.996	34.547	27.317	1.789
1000	4.534	34.552	27.373	1.872
1500	2.956	34.592	27.564	2.225
2000	2.124	34.632	27.667	2.511
2500	1.709	34.656	27.719	2.762
3000	1.444	34.670	27.750	2.996
3500	1.261	34.680	27.771	3.221
3659	1.199	34.684	27.778	3.292

CAST GP3-98-KA-0011 LAT 07 58.1N LONG 155 00.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	28.141	34.334	28.140	21.849
26.	28.121	34.408	28.115	21.916
39.	28.110	34.445	28.101	21.947
60.	27.722	34.768	27.708	22.318
100.	27.233	34.767	27.210	22.459
150.	12.952	34.579	12.932	26.080
200.	10.895	34.691	10.870	26.558
399.	8.909	34.637	8.866	26.856
599.	7.054	34.562	6.997	27.075
800.	5.556	34.545	5.487	27.257
1004.	4.610	34.554	4.530	27.375

CAST GP3-98-KA-0021 LAT 07 00.5N LONG 154 58.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1.	28.393	34.162	28.392	21.639
10.	28.396	34.163	28.393	21.638
25.	28.397	34.162	28.391	21.639
39.	28.386	34.175	28.377	21.659
61.	27.962	34.470	27.948	22.014
101.	24.381	34.628	24.359	23.236
150.	13.026	34.597	13.005	26.081
201.	10.887	34.665	10.863	26.538
401.	8.902	34.637	8.858	26.858
599.	7.353	34.574	7.294	27.042
801.	5.632	34.545	5.563	27.247
1004.	4.725	34.553	4.643	27.361

CAST GP3-98-KA-0031 LAT 06 00.8N LONG 154 58.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.450	34.053	28.449	21.538
11.	28.454	34.054	28.451	21.538
26.	28.456	34.056	28.450	21.539
60.	27.948	34.364	27.934	21.948
101.	23.733	34.631	23.712	23.438
151.	12.606	34.613	12.586	26.175
201.	10.200	34.653	10.177	26.653
3249.	1.579	34.678	1.336	27.764
3503.	1.497	34.682	1.230	27.775
3751.	1.438	34.687	1.147	27.784
4005.	1.384	34.691	1.068	27.792

CAST GP3-98-KA-0041 LAT 05 01.0N LONG 154 55.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1001.	4.527	34.561	4.448	27.390
1503.	3.053	34.602	2.945	27.573
1751.	2.504	34.623	2.382	27.640
2000.	2.158	34.643	2.019	27.684
2251.	1.948	34.657	1.791	27.713
2502.	1.860	34.662	1.683	27.726
2751.	1.797	34.663	1.598	27.735
2999.	1.692	34.666	1.471	27.749
3248.	1.588	34.678	1.345	27.763
3500.	1.517	34.682	1.251	27.773
3753.	1.432	34.687	1.141	27.785
4005.	1.361	34.693	1.046	27.795

CAST GP3-98-KA-0051 LAT 04 00.1N LONG 154 56.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
15.	28.712	34.215	28.708	21.574
25.	28.706	34.220	28.700	21.581
40.	28.685	34.228	28.676	21.595
60.	28.520	34.252	28.506	21.664
100.	17.251	34.728	17.234	25.250
149.	12.139	34.620	12.120	26.270
201.	10.991	34.747	10.967	26.586
402.	8.778	34.633	8.735	26.875
602.	6.813	34.568	6.756	27.113
800.	5.362	34.549	5.294	27.283
1002.	4.367	34.562	4.288	27.408

CAST GP3-98-KA-0061 LAT 03 00.4N LONG 154 56.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.117	34.507	28.116	21.988
10.	28.121	34.508	28.118	21.987
25.	28.125	34.510	28.119	21.990
38.	28.101	34.516	28.092	22.004
60.	27.823	34.538	27.809	22.115
99.	14.214	34.833	14.200	25.891
150.	12.044	34.833	12.025	26.455
200.	11.236	34.789	11.212	26.574
401.	9.566	34.672	9.521	26.777
601.	6.496	34.560	6.440	27.149
800.	5.321	34.544	5.254	27.284
1008.	4.451	34.556	4.371	27.394

CAST GP3-98-KA-0071 LAT 01 59.4N LONG 154 58.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	27.811	34.557	27.810	22.126
10.	27.817	34.557	27.814	22.124
26.	27.819	34.557	27.813	22.125
39.	27.805	34.556	27.796	22.127
59.	22.379	34.907	22.367	24.039
101.	14.221	34.683	14.206	25.901
151.	12.159	34.754	12.139	26.373
201.	11.834	34.834	11.808	26.498
401.	9.207	34.659	9.162	26.826
601.	6.659	34.561	6.603	27.126
801.	5.180	34.543	5.114	27.300
1004.	4.437	34.556	4.358	27.395

CAST GP3-98-KA-0081 LAT 01 00.3N LONG 154 56.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1.	26.730	34.842	26.730	22.689
10.	26.732	34.845	26.729	22.690
24.	26.722	34.843	26.716	22.692
41.	23.996	34.824	23.988	23.537
61.	20.638	34.925	20.626	24.537
101.	17.221	34.811	17.204	25.321
150.	12.752	34.904	12.732	26.374
200.	12.427	34.881	12.400	26.420
400.	9.614	34.681	9.568	26.776
601.	6.820	34.563	6.764	27.108
801.	5.480	34.544	5.411	27.265
1003.	4.533	34.551	4.453	27.383

CAST GP3-98-KA-0091 LAT 00 29.9N LONG 154 56.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	26.286	34.941	26.286	22.902
10.	26.301	34.942	26.299	22.897
25.	25.595	34.968	25.589	23.134
40.	22.470	35.040	22.462	24.118
62.	21.020	35.053	21.008	24.530
101.	17.670	34.950	17.653	25.305
146.	14.709	34.966	14.687	26.033
200.	12.680	34.906	12.653	26.390
401.	9.604	34.682	9.558	26.778
601.	6.933	34.573	6.876	27.098
802.	5.572	34.547	5.503	27.255
1002.	4.607	34.553	4.527	27.374

CAST GP3-98-KA-0101 LAT 00 02.1S LONG 154 56.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	25.934	35.017	25.933	23.069
10.	25.902	35.018	25.900	23.079
26.	25.241	35.026	25.236	23.292
41.	23.128	35.033	23.120	23.923
60.	20.526	35.036	20.515	24.654
100.	19.046	35.227	19.028	25.161
148.	16.091	35.066	16.067	25.784
200.	13.683	34.959	13.655	26.226
400.	9.828	34.700	9.781	26.754
600.	7.004	34.576	6.946	27.092
801.	5.686	34.547	5.616	27.242
1004.	4.495	34.554	4.416	27.387

CAST GP3-98-KA-0111 LAT 00 29.8S LONG 154 56.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	25.887	35.032	25.886	23.095
10.	25.888	35.032	25.886	23.095
27.	25.291	35.149	25.285	23.299
38.	24.226	35.149	24.218	23.702
61.	22.493	35.599	22.481	24.521
100.	19.275	35.396	19.257	25.254
152.	14.706	35.140	14.683	26.140
200.	13.063	34.948	13.035	26.345
400.	9.761	34.712	9.715	26.776
601.	6.925	34.573	6.868	27.100
803.	5.592	34.547	5.523	27.253
1002.	4.469	34.554	4.390	27.390

CAST GP3-98-KA-0121 LAT 00 01.0S LONG 154 56.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1001.	4.544	34.554	4.464	27.382
1500.	2.994	34.605	2.887	27.579
1750.	2.601	34.622	2.477	27.630
2001.	2.269	34.642	2.129	27.672
2250.	2.057	34.652	1.898	27.700
2500.	1.883	34.660	1.705	27.722
2750.	1.736	34.671	1.537	27.741
2997.	1.652	34.674	1.432	27.753
3246.	1.564	34.680	1.321	27.765
3500.	1.509	34.685	1.242	27.775
3750.	1.459	34.690	1.168	27.783
4004.	1.419	34.691	1.102	27.791

CAST GP3-98-KA-0131 LAT 01 00.0S LONG 154 59.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	27.184	35.324	27.184	22.906
10.	27.185	35.332	27.183	22.913
24.	27.187	35.367	27.182	22.939
39.	27.138	35.463	27.129	23.035
60.	22.298	35.651	22.286	24.628
99.	19.360	35.584	19.342	25.374
150.	14.054	35.090	14.032	26.246
200.	12.206	34.884	12.179	26.465
401.	9.732	34.727	9.686	26.792
601.	6.709	34.568	6.653	27.126
800.	5.433	34.546	5.365	27.272
1004.	4.585	34.552	4.504	27.377

CAST GP3-98-KA-0141 LAT 02 00.6S LONG 155 01.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	27.996	35.279	27.996	22.609
10.	28.004	35.279	28.002	22.606
25.	28.004	35.279	27.999	22.608
39.	27.995	35.281	27.986	22.612
60.	23.208	35.901	23.196	24.563
100.	16.160	35.274	16.144	25.920
149.	13.045	34.937	13.025	26.340
199.	12.319	34.885	12.293	26.444
1000.	4.266	34.555	4.189	27.411
2001.	2.221	34.644	2.081	27.678
2998.	1.656	34.675	1.436	27.753
4002.	1.418	34.693	1.102	27.791

CAST GP3-98-KA-0151 LAT 02 59.7S LONG 154 59.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.861	35.083	28.860	22.177
9.	28.848	35.077	28.846	22.176
25.	28.818	35.139	28.812	22.234
39.	28.717	35.182	28.708	22.301
60.	27.772	35.667	27.758	22.986
100.	17.383	35.422	17.366	25.744
150.	13.419	34.969	13.398	26.286
199.	12.819	34.915	12.792	26.369
401.	9.710	34.730	9.664	26.796
600.	6.898	34.581	6.841	27.111
800.	5.321	34.546	5.253	27.285
1001.	4.425	34.551	4.346	27.392

CAST GP3-98-KA-0161 LAT 03 59.7S LONG 154 43.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.057	34.507	29.057	21.676
11.	29.018	34.504	29.015	21.688
25.	29.013	34.505	29.007	21.692
61.	28.147	35.651	28.133	22.852
100.	22.059	35.931	22.039	24.912
150.	13.803	35.023	13.781	26.252
201.	12.795	34.939	12.768	26.393
401.	9.106	34.692	9.062	26.868
601.	6.869	34.579	6.812	27.114
800.	5.480	34.538	5.411	27.260
1002.	4.390	34.550	4.311	27.395

CAST GP3-98-KA-0171 LAT 05 00.3S LONG 154 59.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.542	34.565	29.542	21.405
10.	29.494	34.359	29.492	21.420
25.	29.404	34.483	29.398	21.556
42.	29.391	34.574	29.381	21.625
60.	29.156	35.608	29.142	22.476
100.	22.042	35.993	22.022	24.961
150.	14.874	35.141	14.851	26.111
200.	12.786	34.971	12.759	26.419
399.	8.981	34.684	8.937	26.882
600.	7.070	34.580	7.013	27.087
800.	5.538	34.537	5.469	27.252
1005.	4.498	34.547	4.418	27.381

CAST GP3-98-KA-0181 LAT 07 57.3S LONG 169 57.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	29.152	34.292	29.152	21.487
11.	29.152	34.289	29.149	21.485
26.	29.162	34.290	29.156	21.484
40.	29.221	34.350	29.211	21.517
59.	28.165	35.748	28.151	22.913
100.	25.423	36.165	25.401	24.109
149.	20.918	35.916	20.890	25.210
200.	16.195	35.309	16.163	25.942
402.	8.451	34.635	8.408	26.926
599.	6.565	34.548	6.510	27.129
799.	5.351	34.531	5.284	27.270
1004.	4.345	34.537	4.267	27.386

CAST GP3-98-KA-0191 LAT 07 00.5S LONG 170 01.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	29.657	34.387	29.656	21.388
11.	29.404	34.380	29.402	21.467
25.	29.380	34.380	29.374	21.476
39.	29.371	34.381	29.361	21.481
62.	28.259	35.641	28.244	22.814
101.	26.394	36.096	26.371	23.746
151.	21.620	35.991	21.591	25.078
201.	15.616	35.276	15.585	26.049
401.	8.460	34.637	8.417	26.925
603.	6.367	34.548	6.313	27.155
800.	5.171	34.536	5.104	27.295
1004.	4.190	34.549	4.113	27.416

CAST GP3-98-KA-0201 LAT 06 00.8S LONG 170 00.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	29.525	34.452	29.524	21.479
11.	29.531	34.452	29.528	21.478
25.	29.533	34.451	29.527	21.478
40.	29.497	34.447	29.487	21.487
60.	29.272	34.838	29.257	21.879
150.	21.575	36.007	21.546	25.103
199.	16.073	35.305	16.041	25.958
400.	9.112	34.680	9.068	26.856
602.	6.514	34.543	6.458	27.133
801.	5.347	34.537	5.280	27.275
1004.	4.364	34.543	4.285	27.395

CAST GP3-98-KA-0211 LAT 05 02.5S LONG 169 59.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	29.501	34.379	29.500	21.433
11.	29.512	34.379	29.509	21.429
26.	29.522	34.378	29.515	21.427
41.	29.523	34.386	29.513	21.433
60.	28.928	35.459	28.914	22.448
99.	26.929	36.019	26.906	23.528
150.	19.993	35.791	19.965	25.372
199.	14.483	35.151	14.454	26.202
399.	9.056	34.682	9.012	26.867
599.	6.995	34.579	6.938	27.096
800.	5.426	34.536	5.358	27.265
1002.	4.252	34.549	4.174	27.409

CAST GP3-98-KA-0221 LAT 03 00.0S LONG 169 59.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	29.451	34.359	29.450	21.435
10.	29.457	34.357	29.454	21.432
25.	29.460	34.356	29.454	21.431
40.	29.467	34.360	29.457	21.434
60.	29.529	34.850	29.514	21.668
101.	25.173	35.790	25.151	23.912
151.	16.811	35.380	16.787	25.847
199.	13.763	35.082	13.735	26.306
600.	6.541	34.567	6.485	27.148
800.	5.156	34.532	5.090	27.292
1001.	4.223	34.549	4.145	27.413

CAST GP3-98-KA-0231 LAT 02 08.3S LONG 170 01.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1.	29.749	34.548	29.749	21.475
10.	29.585	34.551	29.582	21.533
25.	29.548	34.616	29.542	21.597
39.	29.509	34.694	29.499	21.669
60.	29.325	34.963	29.311	21.926
101.	24.709	35.887	24.688	24.104
150.	15.517	35.282	15.493	26.063
201.	11.917	34.889	11.891	26.523
401.	9.330	34.691	9.285	26.831
600.	6.670	34.572	6.614	27.134
800.	5.186	34.543	5.119	27.299
1006.	4.185	34.553	4.107	27.420

CAST GP3-98-KA-0241 LAT 01 00.0S LONG 169 51.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1.	28.353	35.017	28.352	22.294
11.	28.352	35.016	28.349	22.295
25.	28.354	35.017	28.348	22.295
40.	28.324	35.025	28.314	22.313
61.	27.781	35.242	27.767	22.673
100.	23.470	35.861	23.449	24.452
151.	16.364	35.213	16.340	25.834
200.	13.144	35.004	13.117	26.363
401.	9.679	34.715	9.633	26.791
599.	6.943	34.569	6.886	27.095
801.	5.262	34.542	5.195	27.289
1005.	4.385	34.555	4.306	27.401

CAST GP3-98-KA-0251 LAT 00 00.7N LONG 169 49.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1001.	4.562	34.550	4.482	27.378
1500.	2.874	34.604	2.768	27.591
1749.	2.493	34.625	2.371	27.642
1999.	2.211	34.638	2.072	27.677
2249.	1.968	34.655	1.810	27.709
2499.	1.860	34.659	1.682	27.724
2750.	1.709	34.667	1.512	27.742
3000.	1.625	34.671	1.406	27.754
3249.	1.599	34.674	1.355	27.760
3499.	1.555	34.678	1.288	27.768
3751.	1.477	34.684	1.186	27.780
4005.	1.386	34.690	1.070	27.793

CAST GP3-98-KA-0271 LAT 01 00.3N LONG 170 00.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	27.338	34.863	27.338	22.509
9.	27.339	34.863	27.337	22.509
25.	27.342	34.863	27.336	22.509
40.	27.217	34.857	27.208	22.545
59.	25.458	34.927	25.445	23.158
100.	18.716	34.871	18.698	25.003
149.	16.527	35.079	16.503	25.686
201.	12.166	34.863	12.139	26.457
399.	9.330	34.669	9.285	26.813
603.	6.827	34.565	6.770	27.108
800.	5.186	34.543	5.120	27.299
1002.	4.389	34.556	4.310	27.400

CAST GP3-98-KA-0281 LAT 01 58.3N LONG 170 00.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.099	34.741	28.099	22.169
11.	28.087	34.740	28.084	22.173
24.	28.075	34.740	28.070	22.178
40.	27.974	34.750	27.965	22.220
61.	27.673	34.754	27.659	22.319
101.	20.297	34.998	20.278	24.680
150.	14.243	34.694	14.221	25.905
200.	11.832	34.759	11.806	26.448
399.	9.612	34.686	9.567	26.781
601.	6.851	34.572	6.794	27.110
800.	5.189	34.545	5.123	27.300
1006.	4.426	34.554	4.346	27.395

CAST GP3-98-KA-0291 LAT 02 59.3N LONG 169 59.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.763	34.631	28.763	21.868
10.	28.735	34.631	28.733	21.877
25.	28.601	34.630	28.595	21.923
40.	28.591	34.631	28.582	21.928
60.	28.587	34.633	28.572	21.930
100.	21.059	34.929	21.040	24.425
200.	11.031	34.643	11.007	26.489
399.	8.685	34.629	8.642	26.885
601.	6.320	34.556	6.266	27.167
800.	5.038	34.547	4.972	27.320
1007.	4.215	34.561	4.137	27.423

CAST GP3-98-KA-0301 LAT 04 00.0N LONG 169 58.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.762	34.526	28.762	21.789
10.	28.762	34.527	28.759	21.791
26.	28.764	34.522	28.758	21.788
40.	28.731	34.519	28.721	21.798
59.	28.547	34.559	28.533	21.900
100.	25.416	34.824	25.394	23.086
150.	15.441	34.664	15.418	25.616
200.	11.287	34.589	11.262	26.406
399.	8.583	34.626	8.541	26.898
601.	6.782	34.565	6.725	27.115
800.	5.356	34.546	5.288	27.282
1004.	4.495	34.561	4.415	27.392

CAST GP3-98-KA-0311 LAT 04 57.0N LONG 169 58.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.642	34.306	28.641	21.679
9.	28.662	34.344	28.660	21.680
25.	28.651	34.381	28.646	21.719
40.	28.644	34.383	28.635	21.724
58.	28.647	34.397	28.633	21.736
101.	27.734	34.839	27.710	22.359
150.	16.692	34.650	16.667	25.321
201.	11.283	34.604	11.259	26.422
399.	8.524	34.619	8.482	26.903
601.	6.926	34.567	6.869	27.097
798.	5.432	34.549	5.365	27.275
1004.	4.509	34.561	4.429	27.391

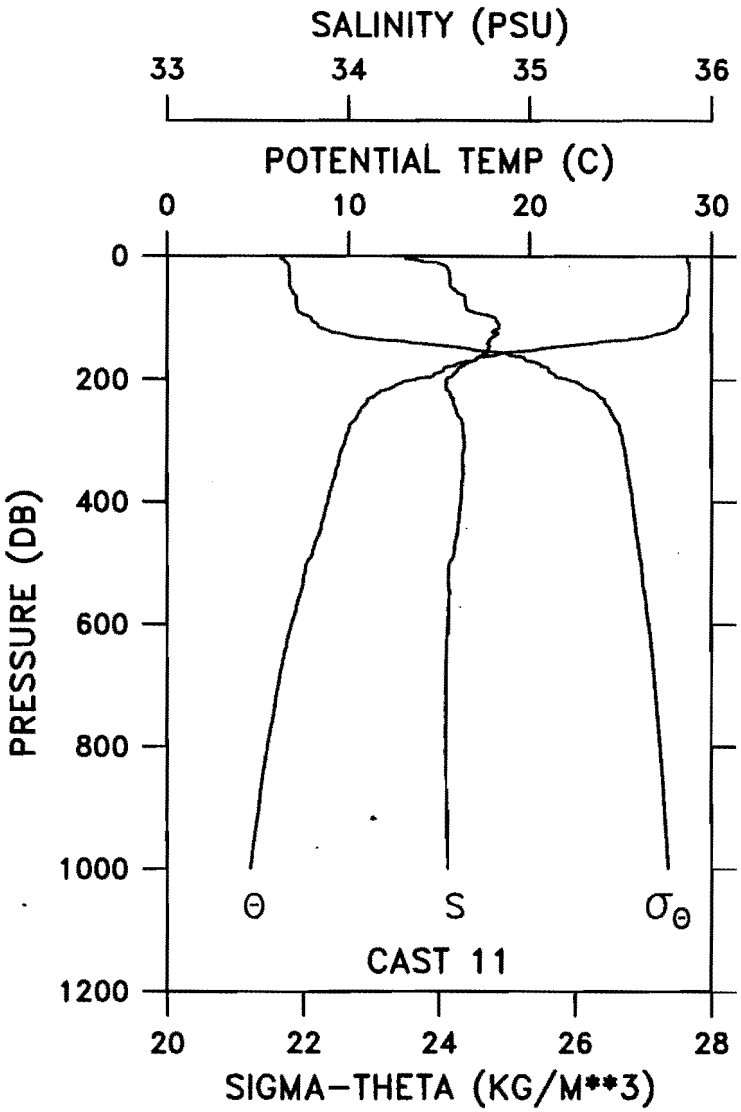
CAST GP3-98-KA-0331 LAT 08 00.6N LONG 179 57.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
999.	4.543	34.556	4.463	27.384
1502.	3.060	34.598	2.951	27.569
1751.	2.552	34.616	2.429	27.630
1997.	2.226	34.637	2.086	27.674
2250.	2.022	34.649	1.864	27.701
2505.	1.877	34.658	1.698	27.722
2751.	1.793	34.664	1.593	27.735
3001.	1.691	34.671	1.470	27.748
3251.	1.608	34.677	1.365	27.760
3497.	1.523	34.681	1.257	27.772
3750.	1.444	34.688	1.153	27.783
4012.	1.369	34.692	1.052	27.795

CAST GP3-98-KA-0341 LAT 09 20.5N LONG 167 40.1E

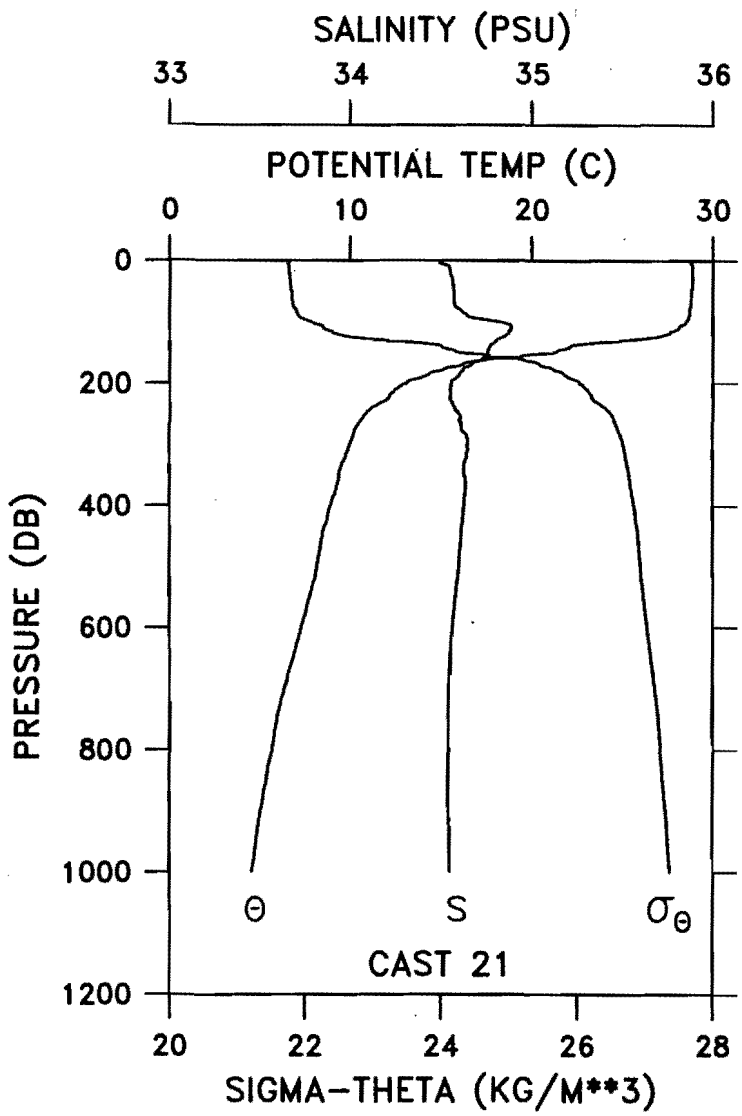
PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1000.	4.628	34.550	4.547	27.370
1250.	3.719	34.572	3.625	27.485
1500.	3.025	34.592	2.917	27.568
1750.	2.616	34.612	2.492	27.621
2000.	2.285	34.630	2.144	27.664
2249.	2.085	34.644	1.925	27.692
2500.	1.906	34.654	1.727	27.716
2750.	1.775	34.664	1.576	27.735
3000.	1.672	34.670	1.452	27.749
3249.	1.590	34.676	1.347	27.761
3501.	1.532	34.680	1.265	27.770
3658.	1.481	34.684	1.199	27.778

GP4-98-KA
July 6–August 2, 1998
CTD and Hydrographic Data Summary



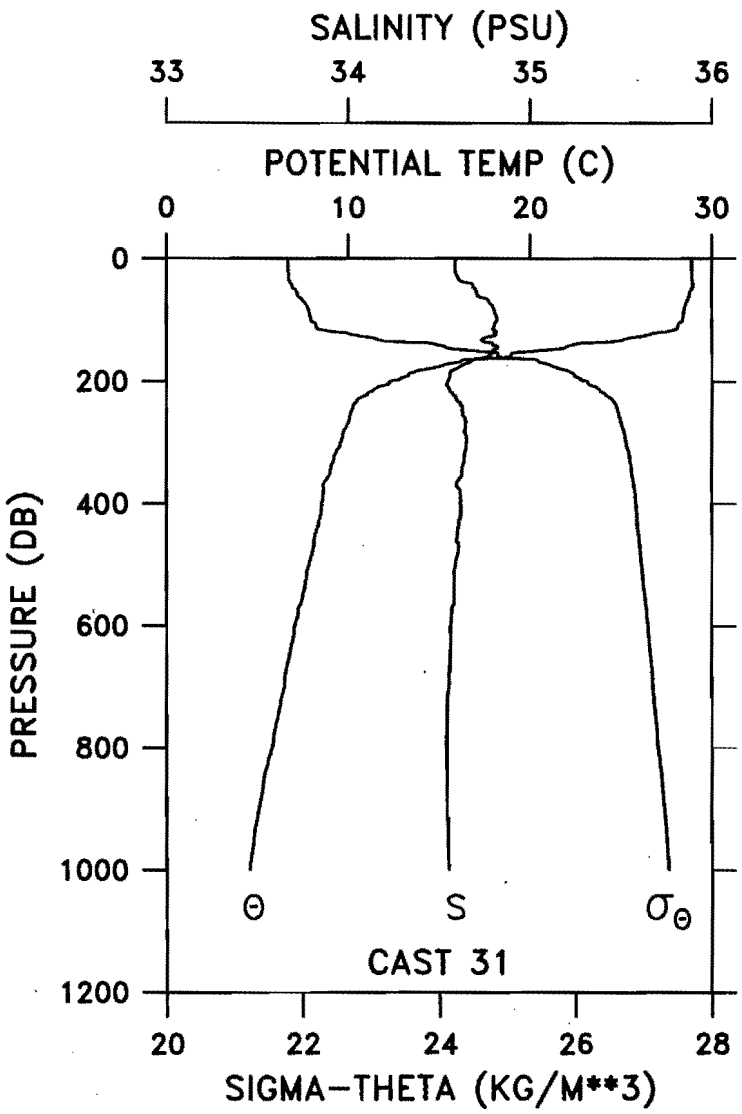
CAST GP4-98-KA-0011 DATE 08 JUL 98 TIME 0428 GMT
LAT 08 00.9N LONG 165 03.2E WEATHER 6 SEA STATE 3
BAROMETER 10 WIND DIR 082 T SPD 03 KT VISIBILITY 6
CLOUD 7 AMOUNT 8 DRY 26.0 WET 25.0 DEPTH 5215 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.641	34.317	21.673	0.000
10	28.718	34.460	21.755	0.061
20	28.795	34.548	21.795	0.121
30	28.803	34.559	21.801	0.181
40	28.803	34.562	21.803	0.242
50	28.798	34.567	21.809	0.302
60	28.742	34.608	21.858	0.362
70	28.690	34.644	21.902	0.421
80	28.687	34.649	21.907	0.481
90	28.665	34.684	21.940	0.540
100	28.419	34.813	22.118	0.598
110	28.204	34.832	22.204	0.656
120	27.667	34.803	22.357	0.712
130	26.540	34.803	22.717	0.765
140	23.710	34.773	23.556	0.814
150	20.607	34.774	24.429	0.853
160	18.219	34.743	25.022	0.885
170	16.889	34.691	25.304	0.914
180	15.452	34.620	25.580	0.939
190	14.897	34.588	25.678	0.963
200	13.747	34.542	25.887	0.986
250	10.662	34.595	26.521	1.075
300	9.833	34.639	26.699	1.148
350	9.287	34.636	26.787	1.216
400	8.856	34.622	26.845	1.281
450	8.408	34.602	26.900	1.344
500	7.692	34.559	26.973	1.404
550	7.347	34.560	27.024	1.461
600	6.853	34.550	27.085	1.516
650	6.434	34.542	27.134	1.568
700	6.124	34.539	27.173	1.618
750	5.836	34.539	27.209	1.667
800	5.523	34.538	27.247	1.714
900	5.042	34.544	27.309	1.803
1000	4.581	34.552	27.368	1.887
1008	4.561	34.552	27.370	1.893



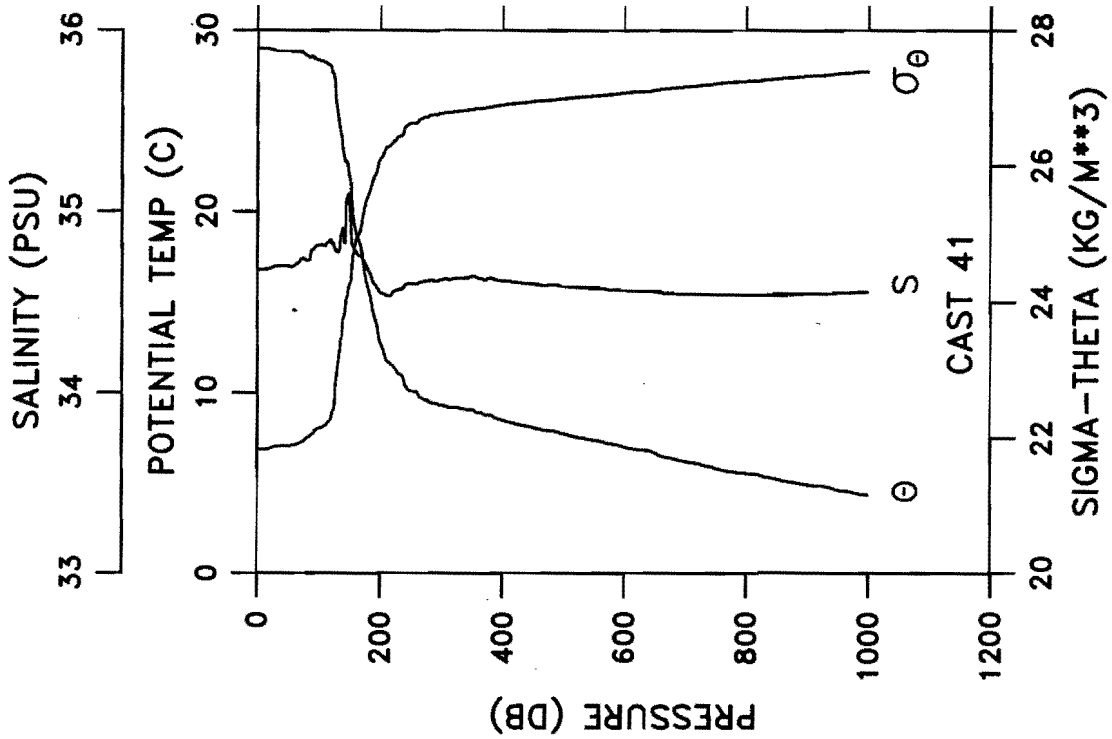
CAST GP4-98-KA-0021 DATE 08 JUL 98 TIME 1210 GMT
LAT 06 59.9N LONG 165 00.6E WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 019 T SPD 01 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 27.2 WET 24.4 DEPTH 5157 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.778	34.494	21.761	0.000
10	28.888	34.548	21.765	0.060
20	28.876	34.552	21.771	0.121
30	28.876	34.564	21.780	0.181
40	28.861	34.569	21.789	0.242
50	28.814	34.572	21.807	0.302
60	28.799	34.572	21.812	0.362
70	28.777	34.575	21.822	0.422
80	28.692	34.606	21.873	0.482
90	28.683	34.644	21.904	0.542
100	28.490	34.827	22.106	0.601
110	28.116	34.884	22.272	0.657
120	27.392	34.865	22.493	0.712
130	24.862	34.802	23.235	0.763
140	22.081	34.766	24.019	0.806
150	21.083	34.755	24.286	0.844
160	17.669	34.723	25.142	0.877
170	16.180	34.665	25.450	0.903
180	14.778	34.617	25.726	0.928
190	13.931	34.586	25.882	0.950
200	13.106	34.559	26.030	0.971
250	10.833	34.600	26.494	1.061
300	9.983	34.644	26.677	1.136
350	9.393	34.628	26.763	1.205
400	8.925	34.628	26.839	1.271
450	8.481	34.611	26.896	1.334
500	8.174	34.600	26.934	1.395
550	7.779	34.581	26.978	1.454
600	7.300	34.565	27.034	1.512
650	6.849	34.554	27.088	1.566
700	6.368	34.545	27.146	1.619
750	5.960	34.542	27.196	1.668
800	5.694	34.541	27.228	1.716
900	5.060	34.546	27.309	1.806
1000	4.568	34.552	27.369	1.890
1006	4.544	34.552	27.372	1.895



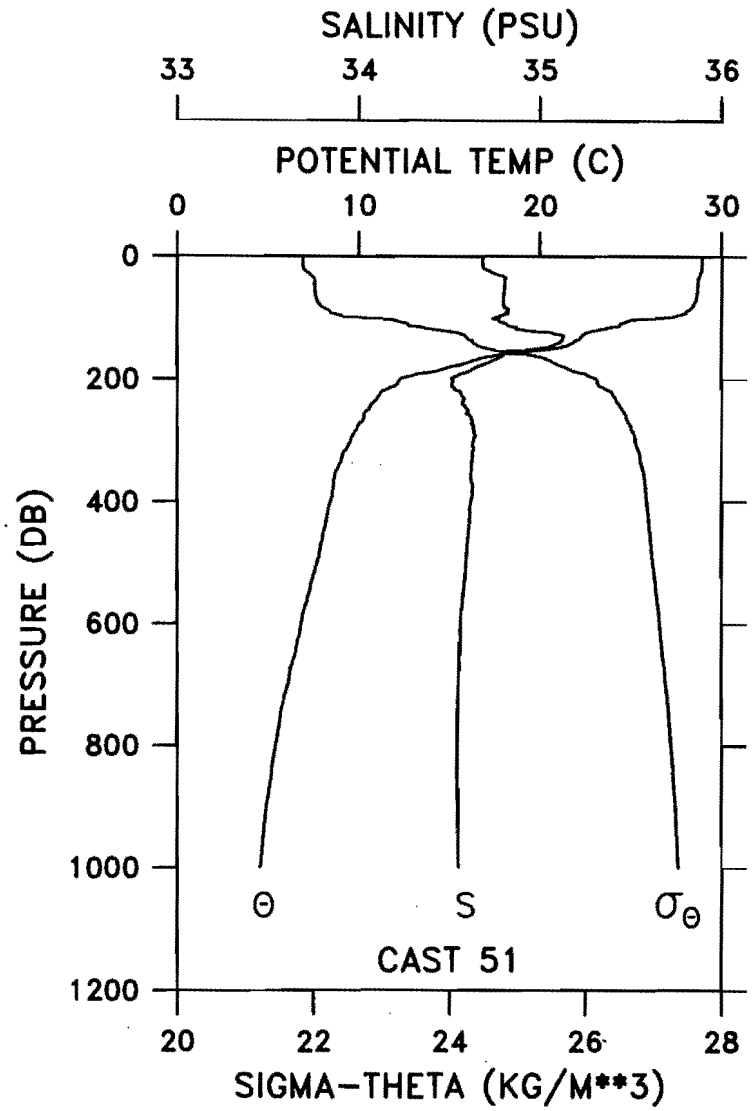
CAST GP4-98-KA-0031 DATE 08 JUL 98 TIME 1858 GMT
LAT 06 00.1N LONG 165 00.9E WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 067 T SPD 03 KT VISIBILITY 6
CLOUD 8 AMOUNT 2 DRY 26.4 WET 24.2 DEPTH 5005 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.895	34.590	21.794	0.000
10	28.893	34.588	21.793	0.060
20	28.895	34.589	21.793	0.120
30	28.909	34.599	21.796	0.180
40	28.969	34.669	21.828	0.241
50	28.873	34.700	21.883	0.300
60	28.769	34.710	21.925	0.360
70	28.612	34.772	22.024	0.418
80	28.503	34.795	22.078	0.476
90	28.444	34.808	22.107	0.534
100	28.399	34.817	22.128	0.591
110	28.141	34.802	22.202	0.648
120	27.043	34.802	22.557	0.704
130	25.286	34.739	23.059	0.755
140	22.379	34.794	23.956	0.800
150	20.329	34.792	24.517	0.838
160	18.855	34.762	24.878	0.870
170	15.788	34.656	25.532	0.897
180	14.337	34.588	25.798	0.921
190	13.321	34.559	25.987	0.942
200	12.316	34.549	26.179	0.962
250	10.172	34.632	26.635	1.043
300	9.575	34.648	26.749	1.113
350	8.991	34.626	26.827	1.179
400	8.532	34.616	26.892	1.241
450	8.197	34.600	26.931	1.302
500	7.848	34.589	26.974	1.361
550	7.500	34.584	27.021	1.419
600	7.043	34.561	27.067	1.474
650	6.765	34.559	27.104	1.528
700	6.472	34.552	27.138	1.579
750	6.086	34.543	27.180	1.630
800	5.793	34.540	27.215	1.678
900	5.058	34.545	27.308	1.769
1000	4.559	34.552	27.370	1.852
1004	4.544	34.553	27.372	1.856



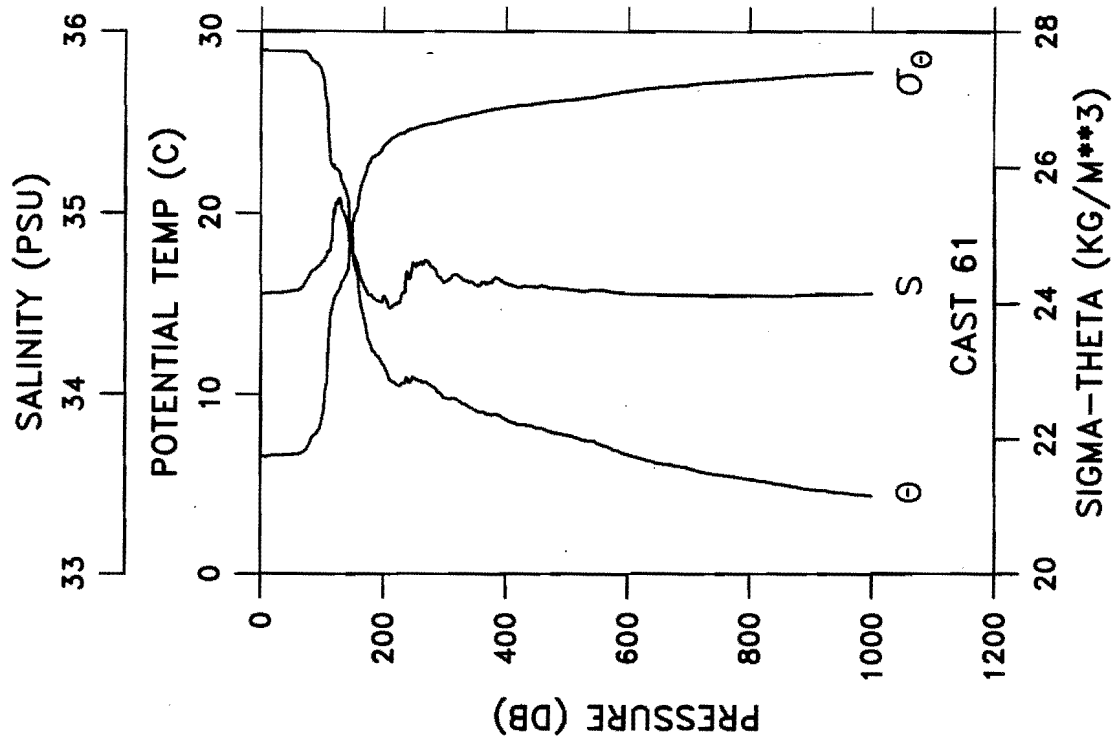
CAST GP4-98-KA-0041 DATE 09 JUL 98 TIME 0906 GMT
LAT 05 00.9N LONG 165 00.0E WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 030 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 28.2 WET 25.5 DEPTH 4780 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.990	34.679	21.829	0.000
10	28.988	34.681	21.831	0.060
20	28.957	34.686	21.845	0.120
30	28.885	34.698	21.878	0.179
40	28.867	34.699	21.885	0.238
50	28.854	34.698	21.888	0.298
60	28.828	34.699	21.898	0.357
70	28.794	34.732	21.934	0.417
80	28.586	34.730	22.001	0.475
90	28.546	34.787	22.057	0.534
100	28.341	34.813	22.145	0.591
110	28.220	34.808	22.181	0.648
120	27.930	34.837	22.297	0.705
130	25.533	34.775	23.011	0.758
140	23.232	34.892	23.787	0.803
150	21.925	35.042	24.272	0.843
160	18.881	34.777	24.883	0.876
170	17.713	34.740	25.144	0.907
180	15.774	34.677	25.551	0.933
190	14.229	34.600	25.830	0.956
200	12.734	34.550	26.098	0.977
250	10.097	34.602	26.625	1.062
300	9.309	34.625	26.775	1.131
350	9.067	34.643	26.828	1.196
400	8.509	34.618	26.897	1.259
450	8.080	34.602	26.949	1.319
500	7.738	34.588	26.989	1.377
550	7.387	34.577	27.032	1.434
600	7.009	34.566	27.076	1.489
650	6.679	34.559	27.115	1.542
700	6.197	34.547	27.169	1.592
750	5.801	34.544	27.217	1.641
800	5.550	34.542	27.247	1.687
900	4.907	34.547	27.327	1.776
1000	4.354	34.557	27.397	1.857
1012	4.308	34.557	27.402	1.867



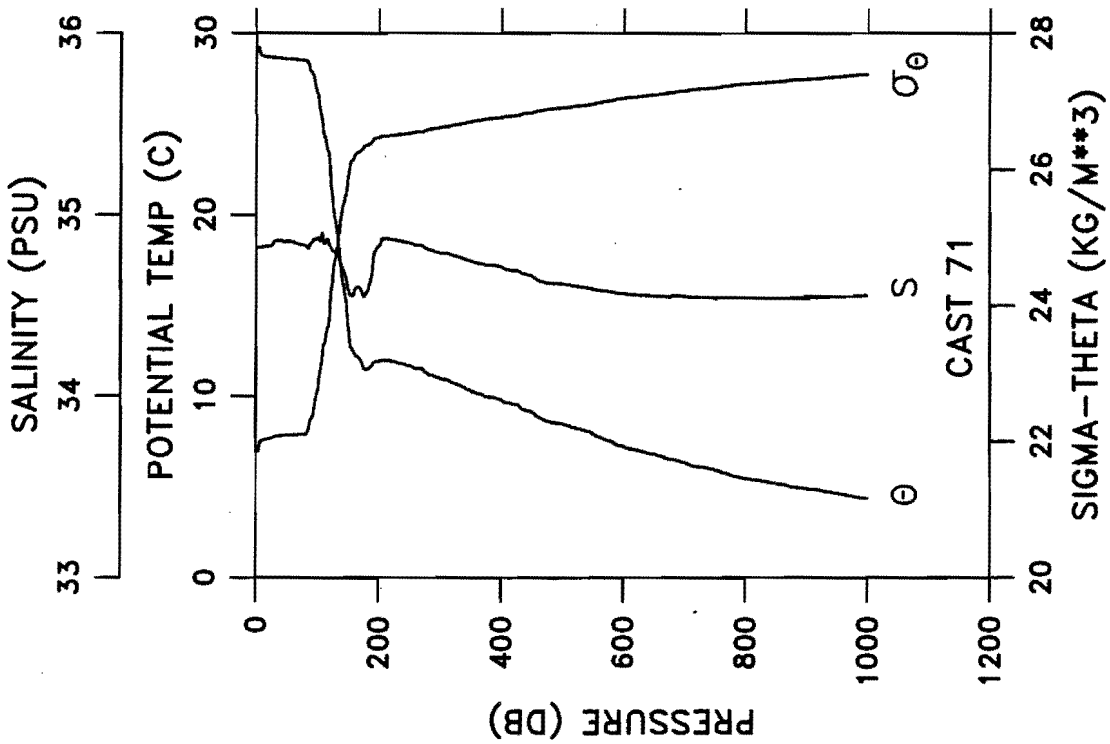
CAST GP4-98-KA-0051 DATE 09 JUL 98 TIME 1622 GMT
LAT 03 59.9N LONG 164 58.9E WEATHER 6 SEA STATE 3
BAROMETER 08 WIND DIR 125 T SPD 08 KT VISIBILITY 6
CLOUD 5 AMOUNT 8 DRY 27.0 WET 25.0 DEPTH 4498 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.945	34.686	21.849	0.000
10	28.943	34.683	21.847	0.060
20	28.938	34.692	21.856	0.119
30	28.814	34.769	21.954	0.178
40	28.711	34.807	22.018	0.237
50	28.697	34.805	22.021	0.295
60	28.656	34.801	22.032	0.353
70	28.603	34.799	22.047	0.411
80	28.438	34.802	22.104	0.469
90	28.048	34.815	22.242	0.526
100	26.469	34.747	22.698	0.581
110	24.409	34.815	23.381	0.628
120	23.152	34.914	23.826	0.672
130	22.294	35.132	24.237	0.711
140	21.860	35.110	24.342	0.747
150	20.764	34.991	24.552	0.783
160	17.910	34.782	25.128	0.815
170	16.283	34.736	25.481	0.841
180	15.032	34.650	25.696	0.866
190	13.587	34.580	25.949	0.889
200	12.256	34.514	26.163	0.908
250	10.540	34.602	26.548	0.993
300	9.562	34.633	26.740	1.065
350	8.763	34.620	26.859	1.130
400	8.440	34.617	26.906	1.192
450	8.059	34.605	26.955	1.252
500	7.713	34.591	26.996	1.310
550	7.267	34.576	27.048	1.366
600	6.840	34.562	27.096	1.419
650	6.500	34.555	27.137	1.471
700	6.090	34.552	27.188	1.521
750	5.683	34.543	27.232	1.568
800	5.404	34.542	27.264	1.614
900	4.888	34.546	27.329	1.702
1000	4.548	34.552	27.371	1.784
1004	4.507	34.552	27.376	1.788



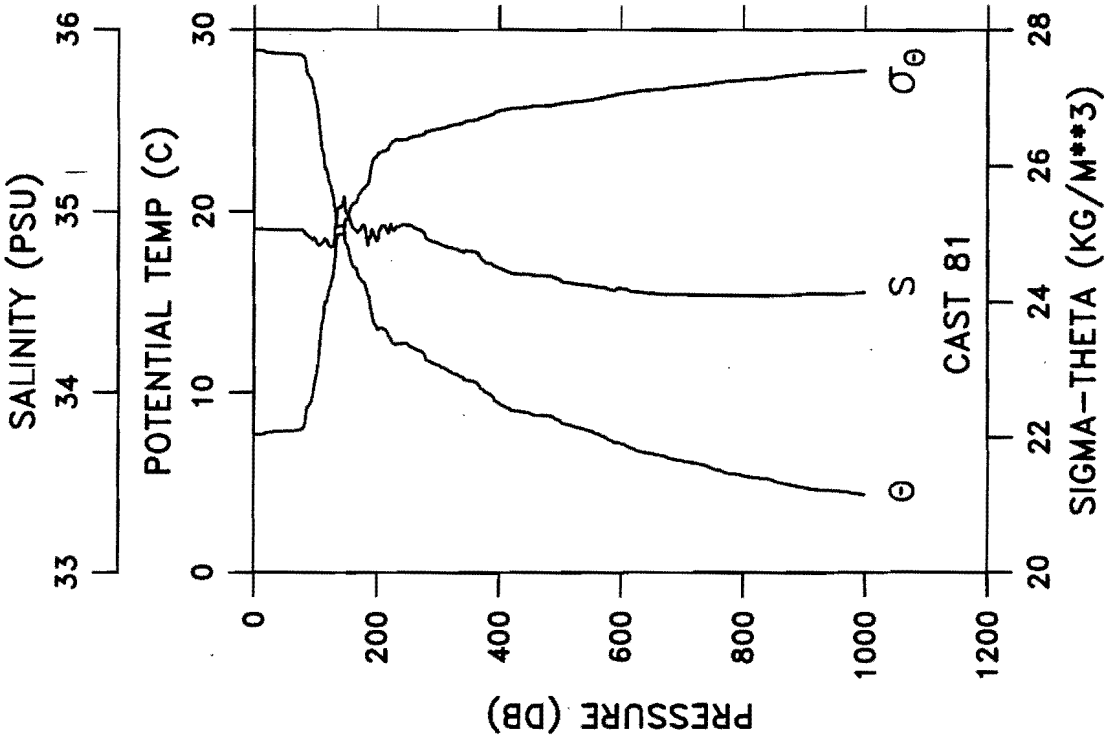
CAST GP4-98-KA-0061 DATE 09 JUL 98 TIME 2317 GMT
LAT 03 00.3N LONG 164 56.4E WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 049 T SPD 05 KT VISIBILITY 7
CLOUD 6 AMOUNT 5 DRY 28.2 WET 25.9 DEPTH 4198 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.957	34.556	21.748	0.000
10	28.961	34.558	21.748	0.061
20	28.928	34.561	21.761	0.121
30	28.921	34.562	21.764	0.182
40	28.918	34.565	21.767	0.242
50	28.912	34.571	21.774	0.303
60	28.900	34.576	21.781	0.363
70	28.852	34.605	21.819	0.424
80	28.580	34.663	21.953	0.483
90	28.258	34.695	22.083	0.541
100	27.622	34.733	22.319	0.598
110	24.197	34.788	23.424	0.650
120	22.486	34.995	24.079	0.691
130	21.914	35.054	24.285	0.729
140	20.971	34.944	24.460	0.765
150	17.738	34.781	25.170	0.797
160	15.632	34.675	25.581	0.824
170	13.956	34.588	25.879	0.847
180	12.581	34.549	26.127	0.867
190	12.130	34.515	26.188	0.886
200	11.609	34.545	26.310	0.904
250	10.921	34.717	26.569	0.984
300	9.808	34.620	26.688	1.057
350	9.115	34.606	26.791	1.125
400	8.608	34.613	26.878	1.189
450	8.135	34.593	26.934	1.250
500	7.731	34.581	26.985	1.309
550	7.276	34.573	27.044	1.365
600	6.649	34.556	27.117	1.419
650	6.170	34.549	27.175	1.469
700	5.881	34.546	27.209	1.517
750	5.502	34.543	27.253	1.564
800	5.254	34.543	27.284	1.608
900	4.687	34.549	27.353	1.693
1000	4.347	34.555	27.396	1.773
1006	4.314	34.555	27.399	1.778



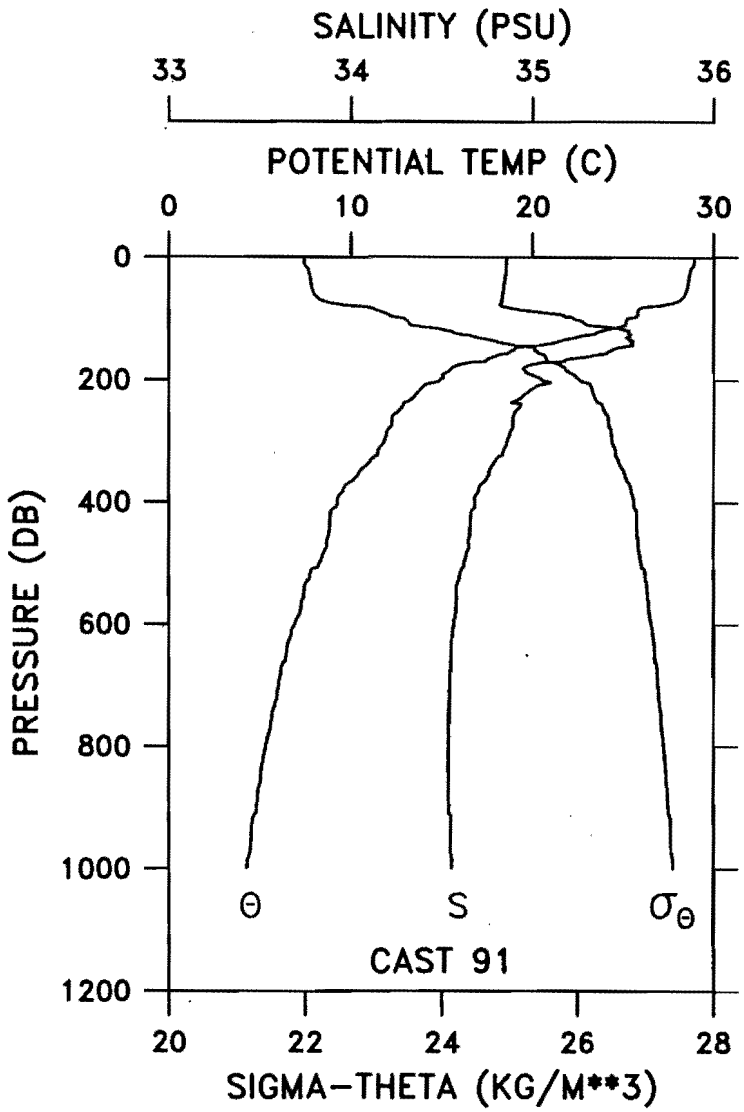
CAST GP4-98-KA-0071 DATE 10 JUL 98 TIME 0616 GMT
LAT 01 59.4N LONG 164 56.3E WEATHER 1 SEA STATE 3
BAROMETER 07 WIND DIR 083 T SPD 05 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 26.4 WET 24.3 DEPTH 4189 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.228	34.822	21.856	0.000
10	28.758	34.822	22.014	0.059
20	28.690	34.827	22.039	0.117
30	28.656	34.853	22.071	0.175
40	28.630	34.857	22.082	0.232
50	28.590	34.853	22.092	0.290
60	28.573	34.851	22.096	0.347
70	28.530	34.837	22.100	0.405
80	28.505	34.830	22.103	0.462
90	27.839	34.846	22.333	0.519
100	26.648	34.874	22.737	0.572
110	24.376	34.847	23.415	0.621
120	22.853	34.832	23.850	0.664
130	19.497	34.784	24.729	0.700
140	16.500	34.710	25.410	0.730
150	13.874	34.593	25.900	0.754
160	12.352	34.574	26.191	0.773
170	12.002	34.592	26.273	0.791
180	11.480	34.570	26.353	0.809
190	11.746	34.722	26.422	0.826
200	11.926	34.831	26.472	0.842
250	11.673	34.845	26.531	0.921
300	10.996	34.790	26.614	0.997
350	10.310	34.746	26.700	1.070
400	9.800	34.713	26.763	1.139
450	9.128	34.664	26.835	1.205
500	8.472	34.620	26.904	1.268
550	7.910	34.591	26.966	1.329
600	7.229	34.567	27.046	1.386
650	6.808	34.554	27.094	1.440
700	6.344	34.552	27.154	1.492
750	5.926	34.542	27.200	1.541
800	5.447	34.544	27.261	1.588
900	4.895	34.546	27.327	1.675
1000	4.359	34.556	27.395	1.757
1008	4.348	34.556	27.397	1.763



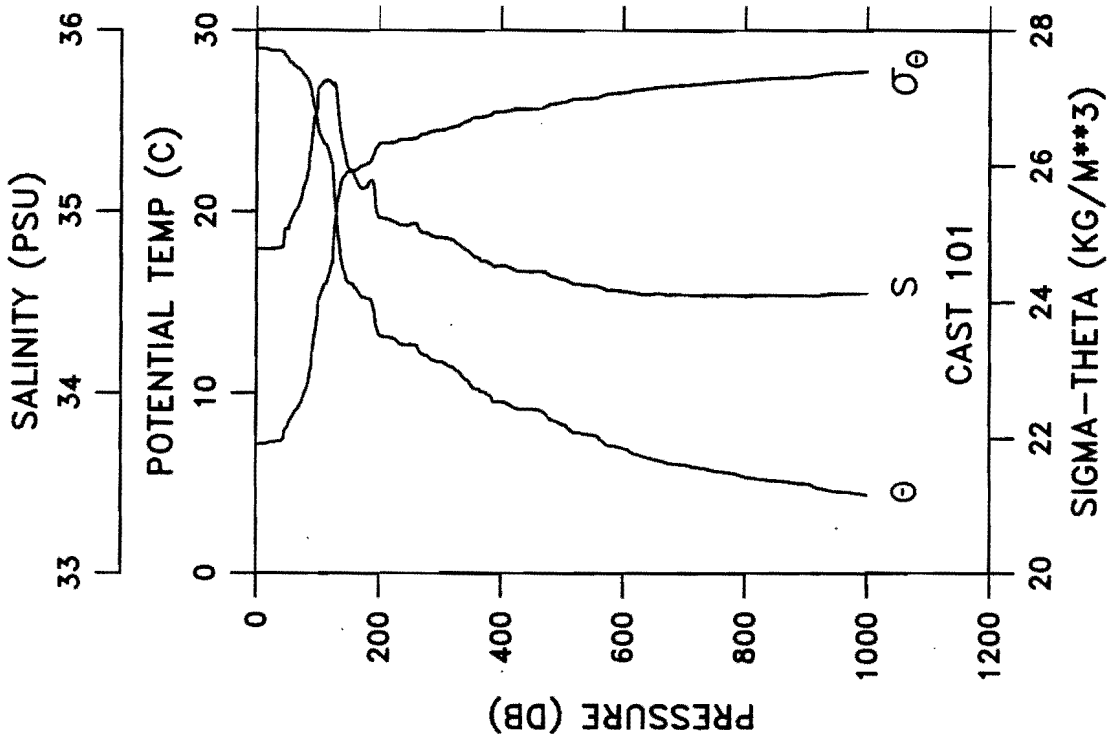
CAST GP4-98-KA-0081 DATE 10 JUL 98 TIME 1348 GMT
LAT 00 59.7N LONG 164 59.6E WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 155 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.5 WET 25.0 DEPTH 4335 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.836	34.904	22.049	0.000
10	28.843	34.903	22.046	0.058
20	28.745	34.902	22.077	0.115
30	28.717	34.900	22.086	0.173
40	28.696	34.899	22.092	0.230
50	28.682	34.898	22.096	0.288
60	28.665	34.897	22.101	0.345
70	28.645	34.897	22.107	0.403
80	28.526	34.891	22.142	0.460
90	27.391	34.860	22.489	0.515
100	26.160	34.845	22.869	0.568
110	23.458	34.823	23.668	0.615
120	21.954	34.826	24.100	0.655
130	20.360	34.821	24.531	0.692
140	19.180	35.022	24.993	0.723
150	18.210	34.990	25.214	0.753
160	17.028	34.913	25.442	0.779
170	16.405	34.892	25.572	0.805
180	16.017	34.918	25.682	0.829
190	14.624	34.887	25.968	0.852
200	13.515	34.837	26.163	0.871
250	12.714	34.926	26.393	0.960
300	11.528	34.825	26.543	1.041
350	10.658	34.782	26.667	1.116
400	9.388	34.689	26.812	1.186
450	8.852	34.653	26.870	1.250
500	8.421	34.624	26.915	1.312
550	7.876	34.593	26.973	1.372
600	7.146	34.577	27.065	1.429
650	6.610	34.551	27.119	1.482
700	6.197	34.543	27.166	1.532
750	5.782	34.539	27.216	1.581
800	5.368	34.537	27.265	1.627
900	4.708	34.543	27.346	1.714
1000	4.311	34.554	27.399	1.794
1004	4.298	34.554	27.400	1.797



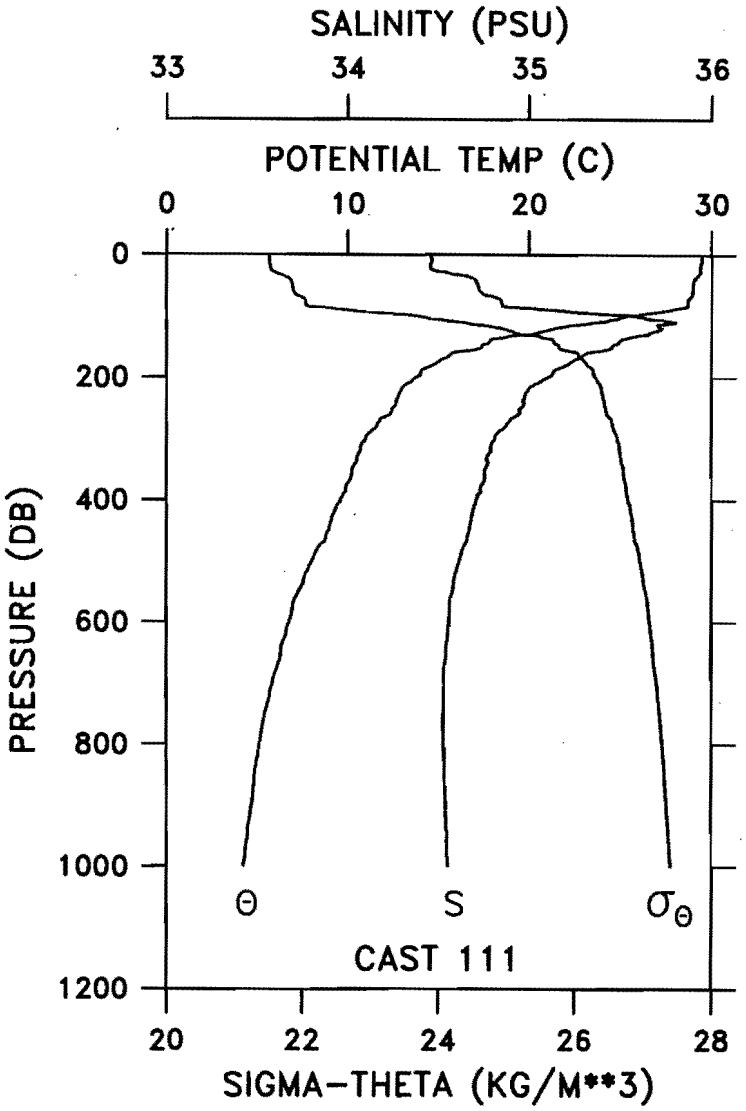
CAST GP4-98-KA-0091 DATE 11 JUL 98 TIME 0750 GMT
LAT 00 00.9N LONG 164 59.9E WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 105 T SPD 09 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 28.2 WET 24.7 DEPTH 4415 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.923	34.856	21.984	0.000
10	28.919	34.854	21.984	0.058
20	28.733	34.853	22.045	0.116
30	28.654	34.849	22.068	0.174
40	28.598	34.844	22.083	0.232
50	28.542	34.840	22.098	0.289
60	28.424	34.835	22.134	0.346
70	28.105	34.827	22.232	0.403
80	26.350	34.834	22.801	0.458
90	25.810	35.062	23.141	0.506
100	25.213	35.228	23.451	0.553
110	25.128	35.308	23.537	0.597
120	23.750	35.531	24.119	0.638
130	22.379	35.518	24.506	0.675
140	20.989	35.549	24.916	0.708
150	18.998	35.445	25.363	0.736
160	18.030	35.329	25.518	0.762
170	17.267	35.146	25.564	0.787
180	15.550	34.949	25.811	0.810
190	15.103	34.983	25.937	0.832
200	14.884	35.056	26.041	0.852
250	12.616	34.906	26.397	0.943
300	11.829	34.860	26.513	1.025
350	10.460	34.759	26.685	1.101
400	9.257	34.683	26.829	1.168
450	8.809	34.654	26.878	1.231
500	8.270	34.622	26.937	1.293
550	7.430	34.581	27.029	1.350
600	6.919	34.567	27.089	1.405
650	6.460	34.553	27.140	1.457
700	6.033	34.546	27.190	1.506
750	5.670	34.540	27.231	1.554
800	5.329	34.539	27.271	1.600
900	4.811	34.540	27.332	1.686
1000	4.286	34.555	27.402	1.766
1010	4.278	34.554	27.402	1.774



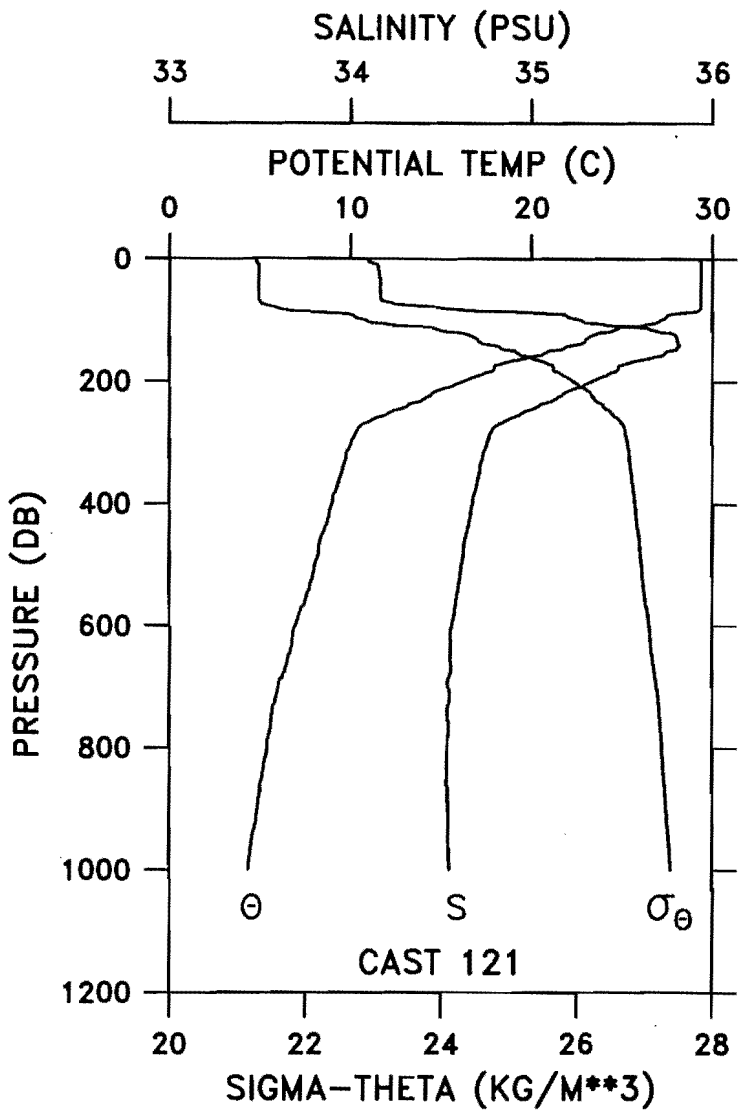
CAST GP4-98-KA-0101 DATE 11 JUL 98 TIME 1504 GMT
LAT 01 00.3S LONG 164 44.2E WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 103 T SPD 03 KT VISIBILITY 6
CLOUD 8 AMOUNT 2 DRY 27.1 WET 25.0 DEPTH 4428 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.983	34.795	21.918	0.000
10	28.989	34.793	21.915	0.059
20	28.929	34.793	21.935	0.118
30	28.872	34.795	21.955	0.177
40	28.854	34.800	21.965	0.235
50	28.505	34.903	22.158	0.293
60	28.089	34.980	22.353	0.349
70	27.836	35.044	22.484	0.403
80	27.431	35.163	22.705	0.456
90	26.441	35.393	23.193	0.506
100	24.670	35.664	23.945	0.550
110	23.745	35.719	24.263	0.588
120	22.936	35.716	24.497	0.624
130	19.813	35.660	25.316	0.656
140	16.910	35.371	25.821	0.680
150	16.070	35.235	25.913	0.701
160	15.820	35.188	25.934	0.723
170	15.347	35.126	25.993	0.744
180	15.206	35.137	26.033	0.764
190	14.704	35.155	26.157	0.784
200	13.209	34.965	26.324	0.802
250	12.691	34.928	26.400	0.888
300	11.733	34.857	26.529	0.969
350	10.454	34.769	26.693	1.045
400	9.519	34.702	26.801	1.113
450	9.120	34.671	26.841	1.178
500	8.280	34.628	26.940	1.241
550	7.698	34.593	26.999	1.299
600	6.948	34.562	27.081	1.354
650	6.326	34.547	27.153	1.406
700	6.014	34.545	27.191	1.455
750	5.658	34.537	27.230	1.502
800	5.351	34.535	27.266	1.548
900	4.968	34.540	27.314	1.636
1000	4.335	34.552	27.394	1.717
1005	4.319	34.551	27.395	1.721



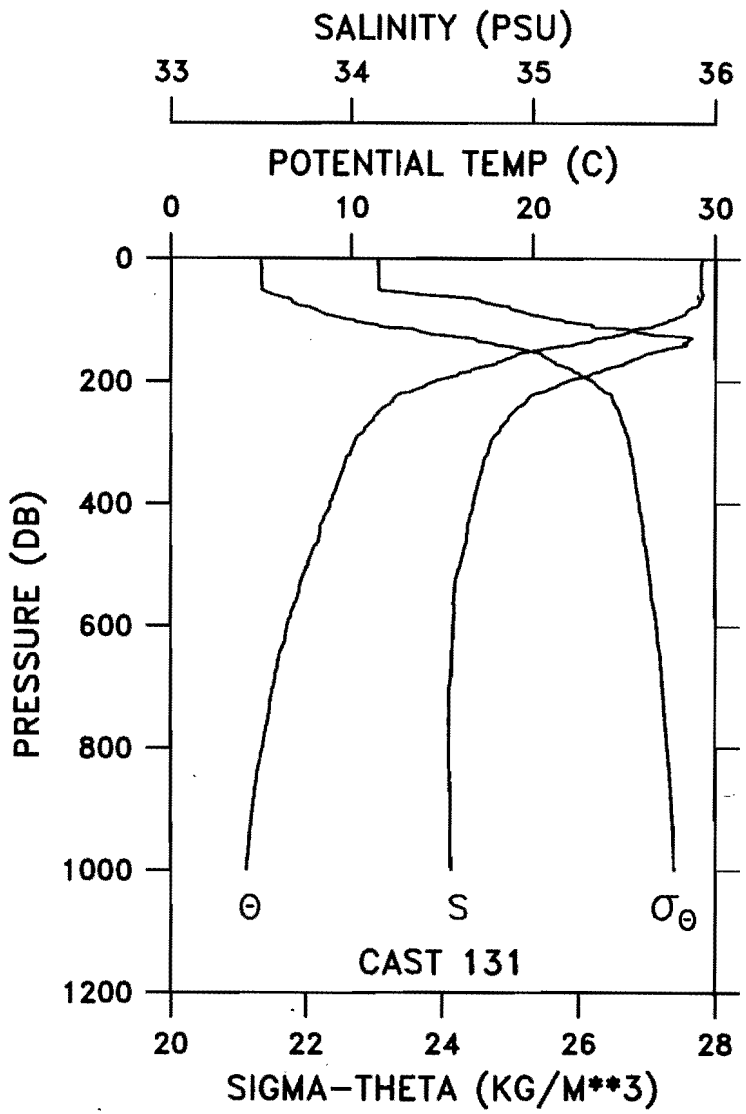
CAST GP4-98-KA-0111 DATE 11 JUL 98 TIME 2202 GMT
LAT 01 55.8S LONG 164 25.0E WEATHER 1 SEA STATE 1
BAROMETER 10 WIND DIR 186 T SPD 03 KT VISIBILITY 7
CLOUD 7 AMOUNT 6 DRY 26.8 WET 24.6 DEPTH 4432 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.469	34.463	21.506	0.000
10	29.464	34.465	21.509	0.063
20	29.398	34.456	21.525	0.126
30	29.366	34.563	21.616	0.188
40	29.070	34.701	21.819	0.249
50	28.998	34.719	21.856	0.309
60	28.976	34.733	21.874	0.369
70	28.810	34.825	21.998	0.428
80	28.706	34.852	22.053	0.486
90	27.622	35.135	22.622	0.542
100	25.333	35.583	23.682	0.590
110	23.594	35.806	24.373	0.629
120	21.361	35.728	24.951	0.662
130	19.802	35.637	25.301	0.691
140	17.857	35.499	25.691	0.716
150	17.399	35.456	25.770	0.739
160	15.758	35.316	26.047	0.761
170	15.195	35.255	26.126	0.780
180	14.693	35.204	26.197	0.799
190	14.052	35.135	26.281	0.818
200	13.765	35.099	26.313	0.835
250	12.496	34.953	26.457	0.919
300	11.012	34.812	26.628	0.997
350	10.258	34.758	26.719	1.069
400	9.639	34.710	26.787	1.137
450	8.971	34.671	26.866	1.202
500	8.053	34.616	26.964	1.263
550	7.296	34.580	27.046	1.320
600	6.807	34.558	27.097	1.374
650	6.311	34.543	27.151	1.425
700	5.854	34.534	27.203	1.474
750	5.426	34.528	27.251	1.521
800	5.112	34.529	27.289	1.565
900	4.679	34.542	27.349	1.650
1000	4.242	34.554	27.406	1.729
1010	4.225	34.555	27.408	1.737



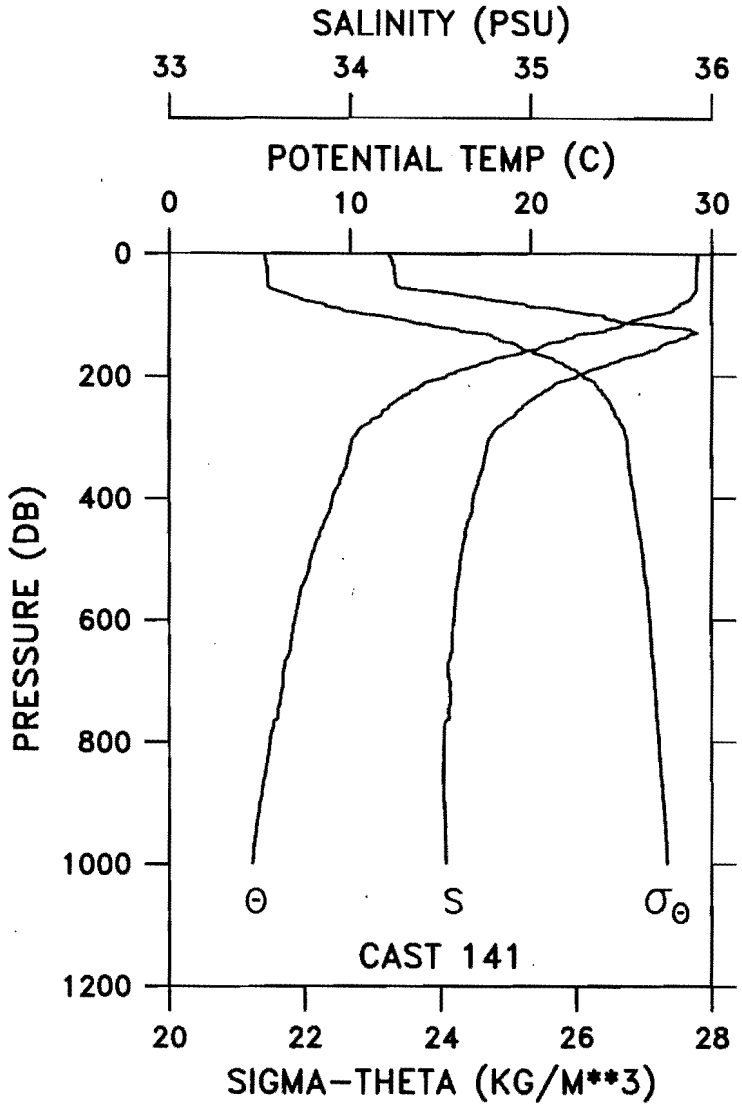
CAST GP4-98-KA-0121 DATE 12 JUL 98 TIME 1705 GMT
LAT 02 59.5S LONG 164 41.7E WEATHER 8 SEA STATE 3
BAROMETER 09 WIND DIR 035 T SPD 11 KT VISIBILITY 5
CLOUD AMOUNT 9 DRY 24.4 WET 23.5 DEPTH 3635 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.349	34.101	21.275	0.000
10	29.358	34.146	21.306	0.065
20	29.368	34.158	21.311	0.130
30	29.369	34.159	21.312	0.195
40	29.380	34.166	21.313	0.260
50	29.371	34.163	21.314	0.324
60	29.375	34.166	21.314	0.389
70	29.401	34.195	21.328	0.454
80	29.335	34.502	21.580	0.518
90	27.668	35.165	22.629	0.577
100	27.135	35.278	22.886	0.629
110	25.633	35.513	23.536	0.677
120	23.808	35.770	24.283	0.717
130	23.074	35.807	24.526	0.752
140	22.416	35.823	24.727	0.786
150	20.934	35.756	25.089	0.817
160	19.856	35.674	25.315	0.846
170	18.434	35.529	25.570	0.872
180	17.934	35.478	25.656	0.896
190	17.102	35.411	25.807	0.919
200	16.202	35.331	25.957	0.941
250	12.212	34.956	26.515	1.032
300	10.034	34.757	26.757	1.103
350	9.490	34.712	26.813	1.169
400	8.972	34.674	26.868	1.233
450	8.445	34.640	26.924	1.295
500	8.032	34.614	26.966	1.355
550	7.573	34.589	27.014	1.412
600	6.960	34.561	27.079	1.468
650	6.554	34.554	27.128	1.520
700	6.014	34.542	27.189	1.570
750	5.612	34.538	27.236	1.617
800	5.372	34.539	27.266	1.663
900	4.837	34.540	27.329	1.750
1000	4.321	34.547	27.392	1.831
1017	4.262	34.547	27.399	1.844



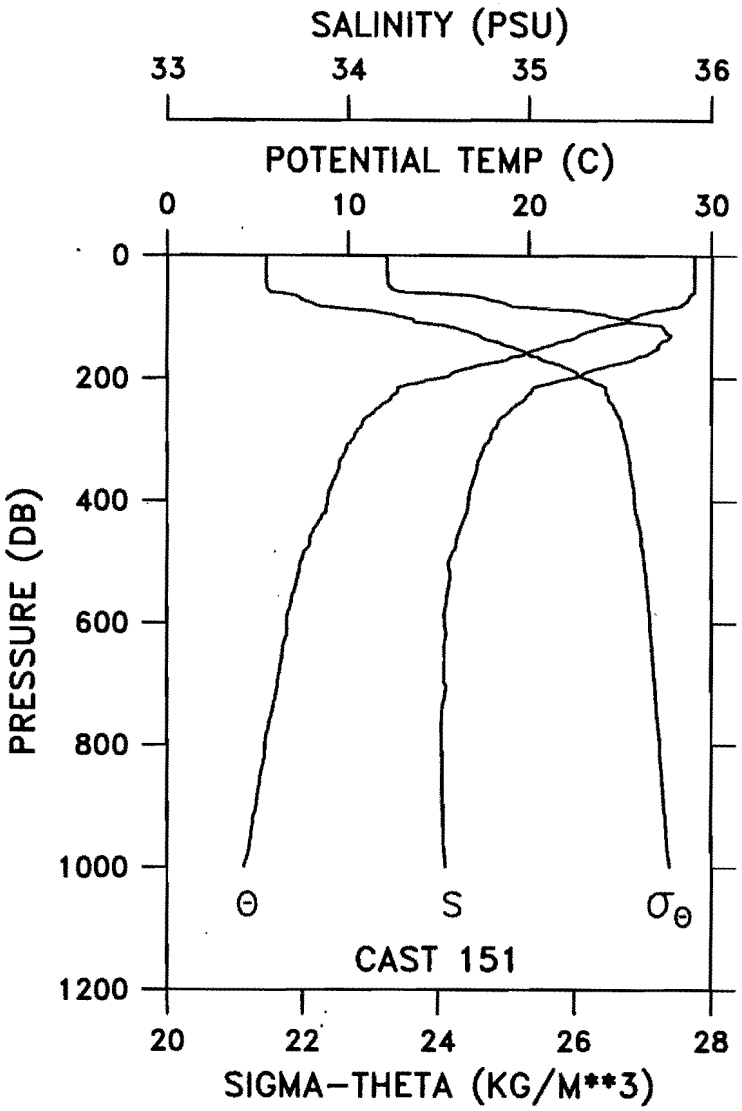
CAST GP4-98-KA-0131 DATE 13 JUL 98 TIME 0056 GMT
LAT 03 59.9S LONG 164 56.9E WEATHER 1 SEA STATE 4
BAROMETER 10 WIND DIR 063 T SPD 18 KT VISIBILITY 7
CLOUD 6 AMOUNT 4 DRY 28.5 WET 26.4 DEPTH 3249 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.278	34.150	21.335	0.000
10	29.251	34.150	21.344	0.065
20	29.248	34.150	21.346	0.129
30	29.248	34.150	21.346	0.193
40	29.244	34.151	21.347	0.258
50	29.243	34.154	21.350	0.323
60	29.321	34.459	21.553	0.386
70	29.176	34.716	21.794	0.448
80	28.671	34.868	22.077	0.507
90	28.325	34.976	22.272	0.564
100	27.442	35.161	22.699	0.618
110	26.618	35.322	23.084	0.668
120	25.212	35.582	23.718	0.713
130	23.467	35.866	24.457	0.752
140	22.253	35.843	24.788	0.786
150	20.133	35.690	25.254	0.815
160	18.865	35.588	25.506	0.841
170	17.996	35.505	25.661	0.866
180	16.678	35.394	25.894	0.889
190	15.867	35.312	26.019	0.910
200	14.623	35.186	26.199	0.929
250	11.526	34.892	26.595	1.011
300	10.197	34.768	26.737	1.083
350	9.465	34.712	26.818	1.149
400	8.835	34.670	26.886	1.212
450	8.260	34.636	26.949	1.273
500	7.615	34.600	27.017	1.330
550	7.081	34.566	27.066	1.385
600	6.458	34.562	27.147	1.437
650	6.018	34.553	27.197	1.486
700	5.688	34.540	27.228	1.533
750	5.399	34.538	27.262	1.578
800	5.088	34.538	27.299	1.622
900	4.533	34.545	27.367	1.705
1000	4.203	34.550	27.407	1.783
1004	4.189	34.550	27.409	1.786



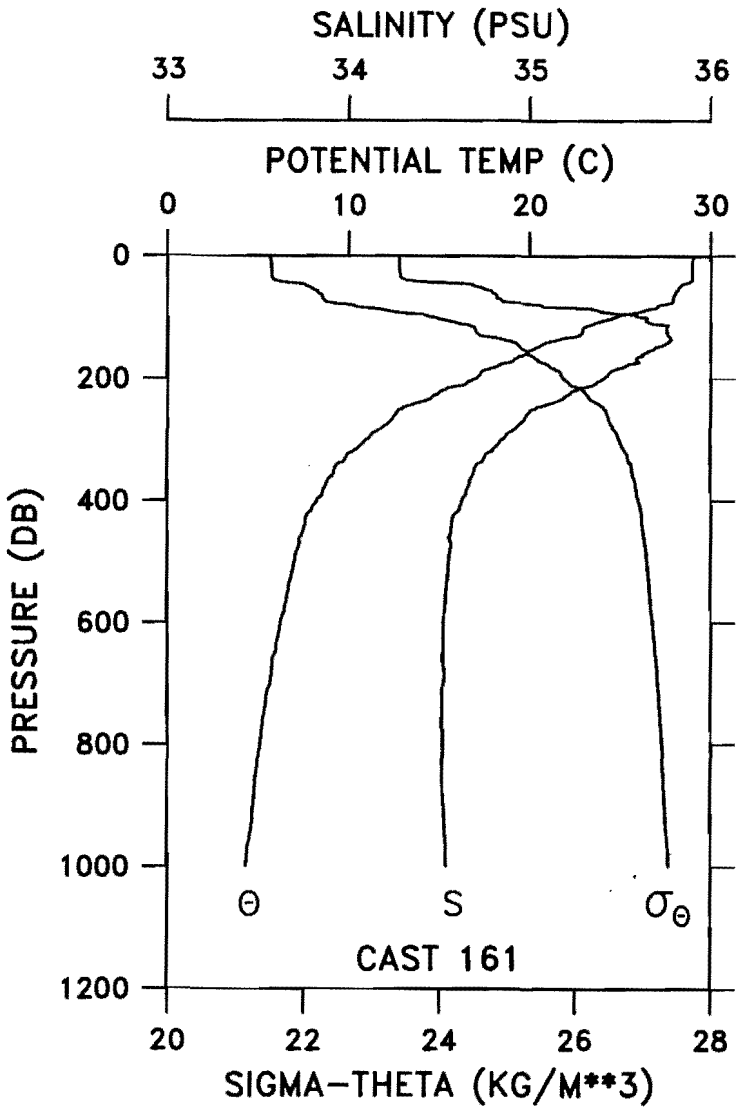
CAST GP4-98-KA-0141 DATE 13 JUL 98 TIME 0920 GMT
LAT 05 01.5S LONG 165 11.3E WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 065 T SPD 13 KT VISIBILITY 7
CLOUD 6 AMOUNT 4 DRY 27.8 WET 25.5 DEPTH 2479 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.224	34.218	21.404	0.000
10	29.224	34.228	21.412	0.064
20	29.177	34.244	21.439	0.128
30	29.168	34.245	21.443	0.191
40	29.167	34.249	21.447	0.255
50	29.161	34.256	21.454	0.318
60	29.143	34.403	21.570	0.382
70	28.910	34.660	21.841	0.443
80	28.420	34.896	22.181	0.501
90	27.933	35.147	22.529	0.557
100	26.930	35.362	23.015	0.608
110	25.590	35.478	23.523	0.655
120	24.832	35.760	23.969	0.697
130	23.049	35.906	24.609	0.734
140	21.910	35.819	24.867	0.766
150	20.684	35.725	25.133	0.796
160	19.632	35.651	25.356	0.824
170	18.142	35.525	25.640	0.849
180	17.163	35.432	25.808	0.873
190	16.037	35.327	25.991	0.894
200	15.313	35.255	26.100	0.915
250	12.148	34.954	26.525	1.001
300	10.198	34.774	26.742	1.073
350	9.758	34.733	26.785	1.141
400	9.038	34.680	26.861	1.206
450	8.429	34.639	26.926	1.267
500	7.813	34.609	26.995	1.326
550	7.263	34.586	27.056	1.382
600	6.944	34.574	27.091	1.436
650	6.675	34.563	27.119	1.489
700	6.276	34.553	27.164	1.539
750	6.001	34.544	27.193	1.589
800	5.559	34.520	27.228	1.637
900	4.980	34.522	27.299	1.728
1000	4.558	34.531	27.354	1.813
1004	4.550	34.530	27.354	1.816



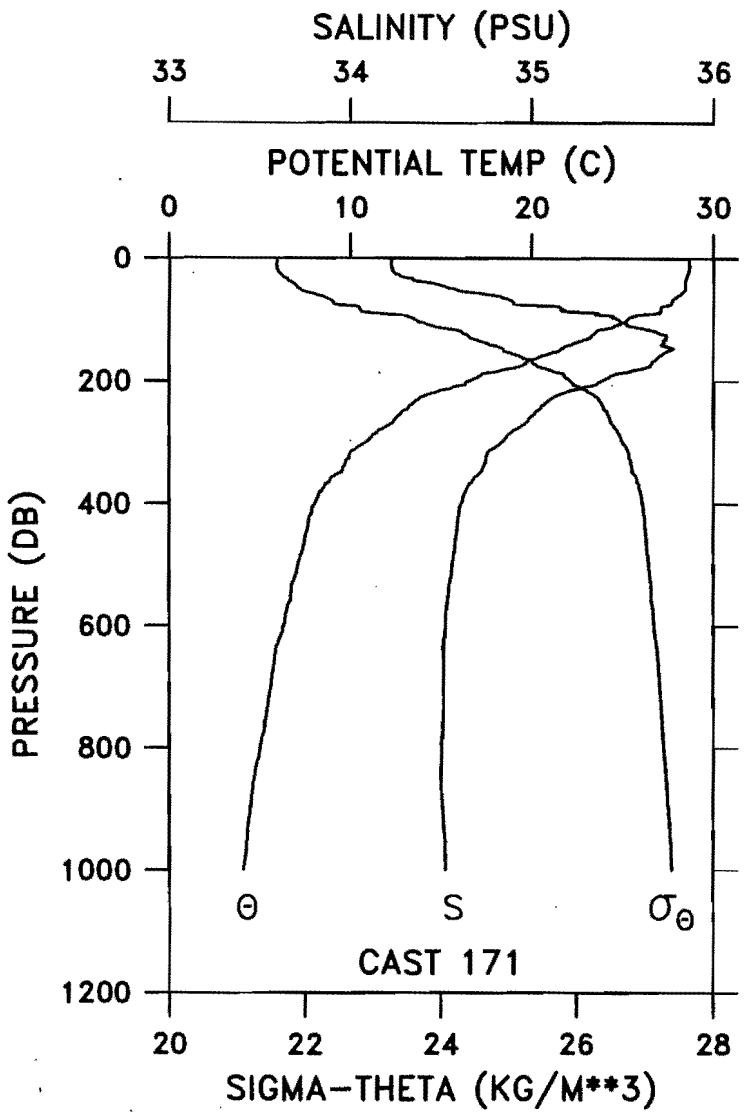
CAST GP4-98-KA-0151 DATE 13 JUL 98 TIME 1555 GMT
LAT 06 00.0S LONG 165 05.0E WEATHER 1 SEA STATE 4
BAROMETER 09 WIND DIR 088 T SPD 10 KT VISIBILITY 6
CLOUD 0 AMOUNT 2 DRY 27.5 WET 25.5 DEPTH 3609 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.076	34.215	21.452	0.000
10	29.081	34.217	21.452	0.063
20	29.079	34.217	21.453	0.127
30	29.080	34.220	21.454	0.190
40	29.078	34.220	21.455	0.254
50	29.079	34.232	21.463	0.317
60	29.051	34.339	21.553	0.381
70	28.732	34.764	21.978	0.441
80	28.379	34.883	22.185	0.498
90	26.718	35.294	23.031	0.552
100	25.695	35.471	23.486	0.598
110	24.990	35.619	23.814	0.641
120	23.618	35.743	24.319	0.680
130	22.709	35.776	24.608	0.715
140	21.705	35.727	24.854	0.748
150	20.688	35.710	25.120	0.778
160	19.750	35.650	25.325	0.806
170	18.718	35.564	25.526	0.832
180	17.058	35.423	25.826	0.855
190	15.818	35.309	26.028	0.877
200	14.940	35.223	26.158	0.897
250	11.582	34.903	26.594	0.978
300	10.223	34.783	26.744	1.049
350	9.461	34.711	26.818	1.116
400	8.876	34.668	26.878	1.179
450	8.081	34.617	26.961	1.240
500	7.384	34.557	27.016	1.297
550	7.024	34.553	27.064	1.352
600	6.638	34.537	27.104	1.405
650	6.364	34.534	27.137	1.456
700	6.105	34.541	27.177	1.506
750	5.755	34.522	27.206	1.555
800	5.409	34.521	27.247	1.601
900	4.911	34.526	27.310	1.691
1000	4.233	34.542	27.398	1.773
1003	4.232	34.542	27.397	1.775



CAST GP4-98-KA-0161 DATE 13 JUL 98 TIME 2235 GMT
LAT 06 59.9S LONG 164 58.0E WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 089 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 5 DRY 28.6 WET 25.9 DEPTH 3727 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.044	34.278	21.510	0.000
10	28.998	34.277	21.525	0.063
20	28.988	34.279	21.529	0.126
30	28.987	34.283	21.533	0.188
40	28.940	34.331	21.584	0.251
50	28.309	34.711	22.078	0.310
60	28.067	34.792	22.218	0.367
70	27.922	34.834	22.297	0.423
80	27.111	35.066	22.734	0.478
90	26.200	35.391	23.268	0.527
100	24.632	35.648	23.944	0.570
110	23.563	35.676	24.284	0.608
120	22.921	35.758	24.533	0.643
130	22.672	35.767	24.612	0.678
140	21.016	35.762	25.071	0.709
150	20.320	35.690	25.204	0.737
160	19.741	35.622	25.306	0.765
170	19.090	35.590	25.451	0.791
180	18.190	35,523	25.626	0.816
190	17.273	35.439	25.787	0.840
200	16.978	35.408	25.833	0.862
250	12.797	35.013	26.444	0.958
300	10.974	34.845	26.660	1.036
350	9.208	34.693	26.845	1.103
400	8.260	34.628	26.943	1.165
450	7.490	34.568	27.009	1.222
500	7.007	34.553	27.066	1.276
550	6.635	34.538	27.105	1.329
600	6.223	34.524	27.148	1.380
650	5.913	34.521	27.185	1.429
700	5.647	34.524	27.221	1.476
750	5.304	34.517	27.256	1.522
800	5.077	34.518	27.285	1.566
900	4.708	34.525	27.332	1.652
1000	4.317	34.539	27.386	1.733
1004	4.296	34.539	27.388	1.736

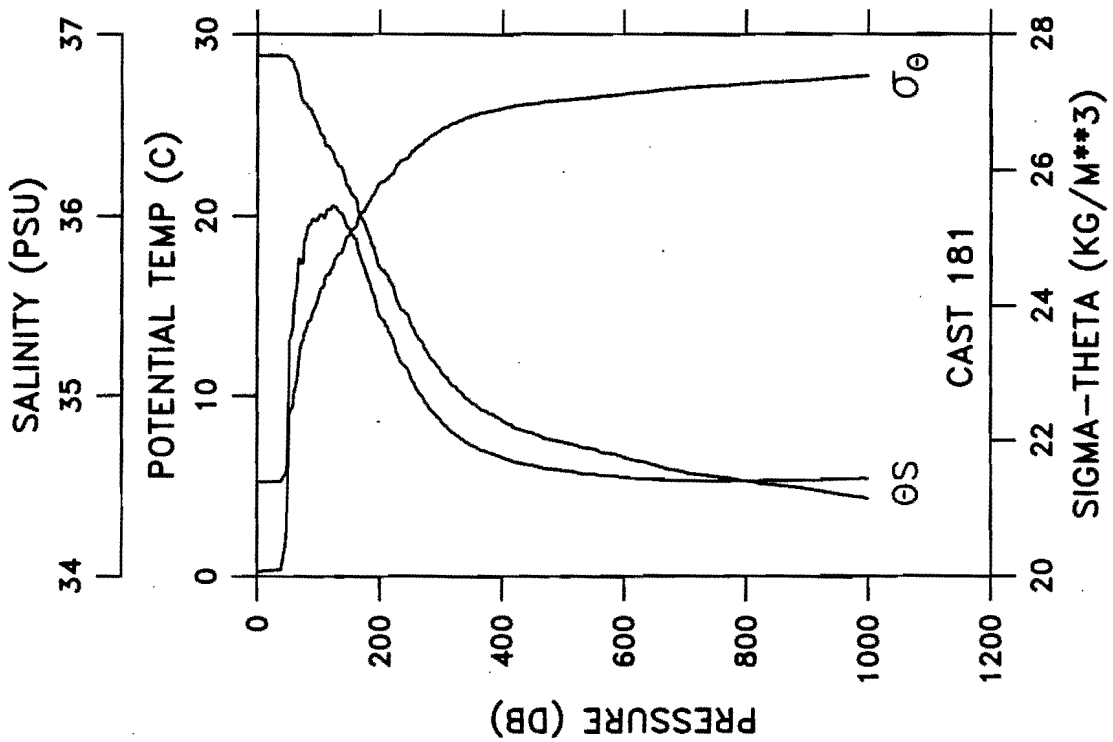


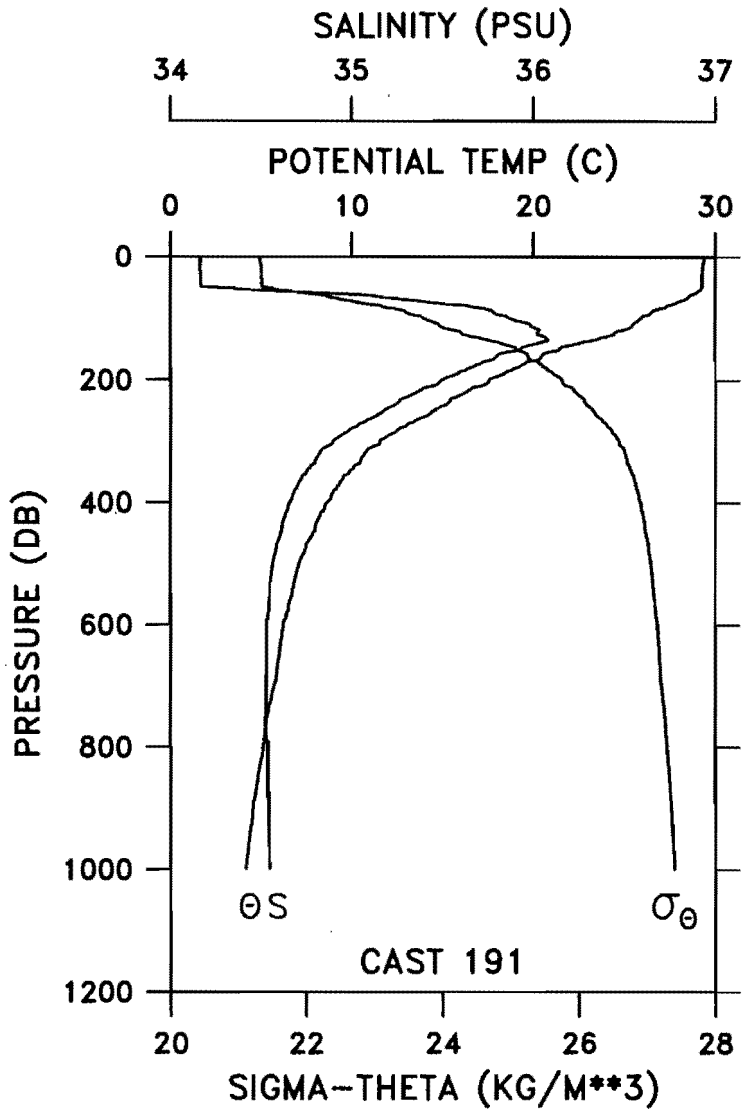
CAST GP4-98-KA-0171 DATE 14 JUL 98 TIME 1050 GMT
LAT 08 02.2S LONG 164 49.1E WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 119 T SPD 19 KT VISIBILITY 7
CLOUD 8 AMOUNT 5 DRY 27.4 WET 25.5 DEPTH 3901 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.696	34.227	21.587	0.000
10	28.702	34.226	21.584	0.062
20	28.671	34.234	21.600	0.124
30	28.552	34.283	21.677	0.186
40	28.460	34.442	21.826	0.247
50	28.452	34.575	21.929	0.306
60	28.116	34.781	22.194	0.364
70	27.717	34.898	22.413	0.419
80	27.132	35.159	22.797	0.473
90	26.701	35.371	23.095	0.523
100	25.248	35.480	23.630	0.567
110	24.579	35.543	23.881	0.609
120	23.549	35.695	24.303	0.648
130	23.179	35.737	24.442	0.684
140	22.200	35.717	24.708	0.718
150	21.536	35.754	24.922	0.749
160	20.446	35.698	25.177	0.779
170	19.691	35.665	25.351	0.807
180	18.695	35.597	25.556	0.833
190	17.183	35.447	25.815	0.856
200	16.530	35.381	25.918	0.878
250	12.816	35.021	26.447	0.971
300	10.830	34.835	26.678	1.048
350	9.373	34.715	26.835	1.115
400	8.030	34.612	26.965	1.175
450	7.544	34.585	27.015	1.231
500	7.112	34.563	27.059	1.286
550	6.717	34.542	27.097	1.339
600	6.283	34.527	27.143	1.390
650	5.832	34.516	27.191	1.439
700	5.606	34.518	27.221	1.486
750	5.337	34.515	27.251	1.532
800	5.015	34.506	27.282	1.577
900	4.464	34.513	27.350	1.661
1000	4.112	34.527	27.398	1.741
1003	4.107	34.527	27.399	1.743

CAST GP4-98-KA-0181 DATE 18 JUL 98 TIME 1705 GMT
LAT 07 57.1S LONG 179 59.3W WEATHER 6 SEA STATE 5
BAROMETER 09 WIND DIR 100 T SPD 20 KT VISIBILITY 7
CLOUD 9 AMOUNT DRY 26.5 WET 25.0 DEPTH 5382 M

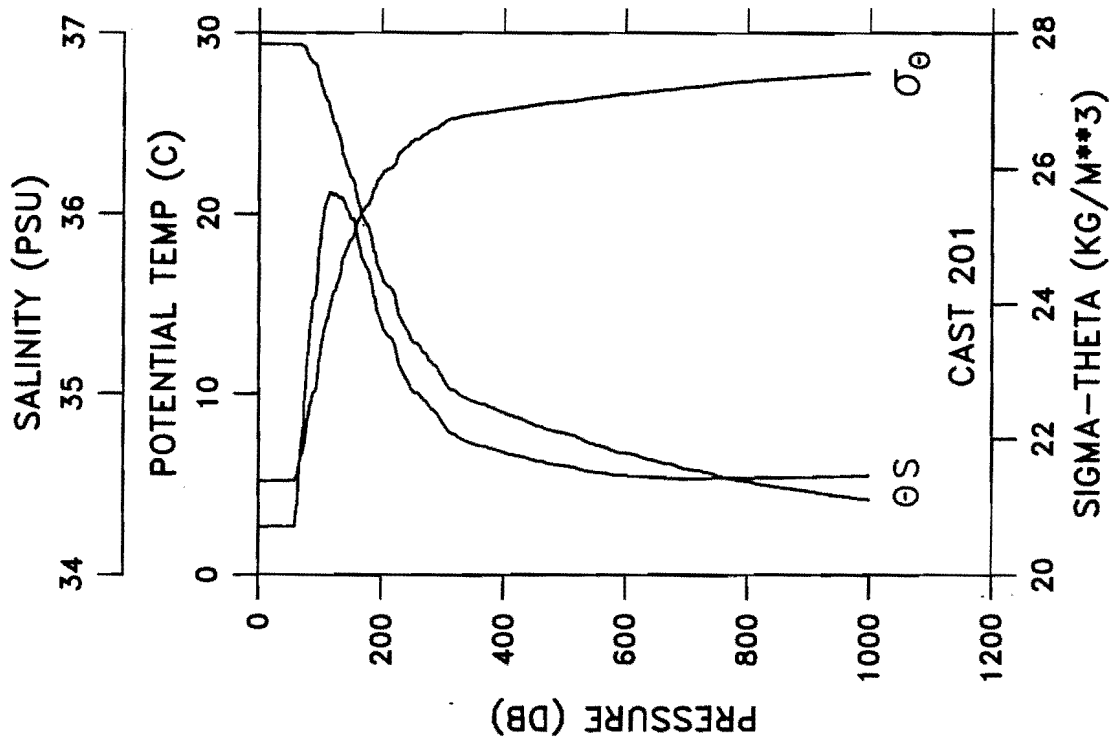
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.831	34.031	21.395	0.000
10	28.837	34.032	21.394	0.064
20	28.842	34.034	21.394	0.128
30	28.840	34.036	21.396	0.192
40	28.830	34.055	21.414	0.256
50	28.785	34.485	21.751	0.319
60	28.200	35.518	22.721	0.373
70	26.720	35.736	23.364	0.422
80	26.124	35.900	23.676	0.466
90	25.586	35.980	23.904	0.508
100	24.850	35.993	24.140	0.547
110	23.988	35.997	24.401	0.584
120	23.634	36.040	24.539	0.619
130	22.920	36.035	24.744	0.652
140	22.375	35.993	24.868	0.684
150	21.523	35.925	25.056	0.715
160	20.968	35.872	25.168	0.743
170	19.820	35.749	25.382	0.771
180	19.078	35.657	25.505	0.797
190	18.173	35.560	25.659	0.821
200	17.131	35.440	25.822	0.844
250	13.992	35.099	26.266	0.947
300	11.333	34.858	26.604	1.029
350	9.608	34.724	26.803	1.099
400	8.621	34.655	26.908	1.162
450	7.950	34.613	26.977	1.221
500	7.426	34.584	27.031	1.277
550	7.040	34.565	27.071	1.332
600	6.547	34.544	27.122	1.384
650	6.133	34.534	27.168	1.435
700	5.728	34.526	27.213	1.483
750	5.503	34.524	27.238	1.529
800	5.247	34.526	27.270	1.575
900	4.809	34.530	27.325	1.662
1000	4.281	34.539	27.390	1.743
1002	4.274	34.539	27.391	1.745





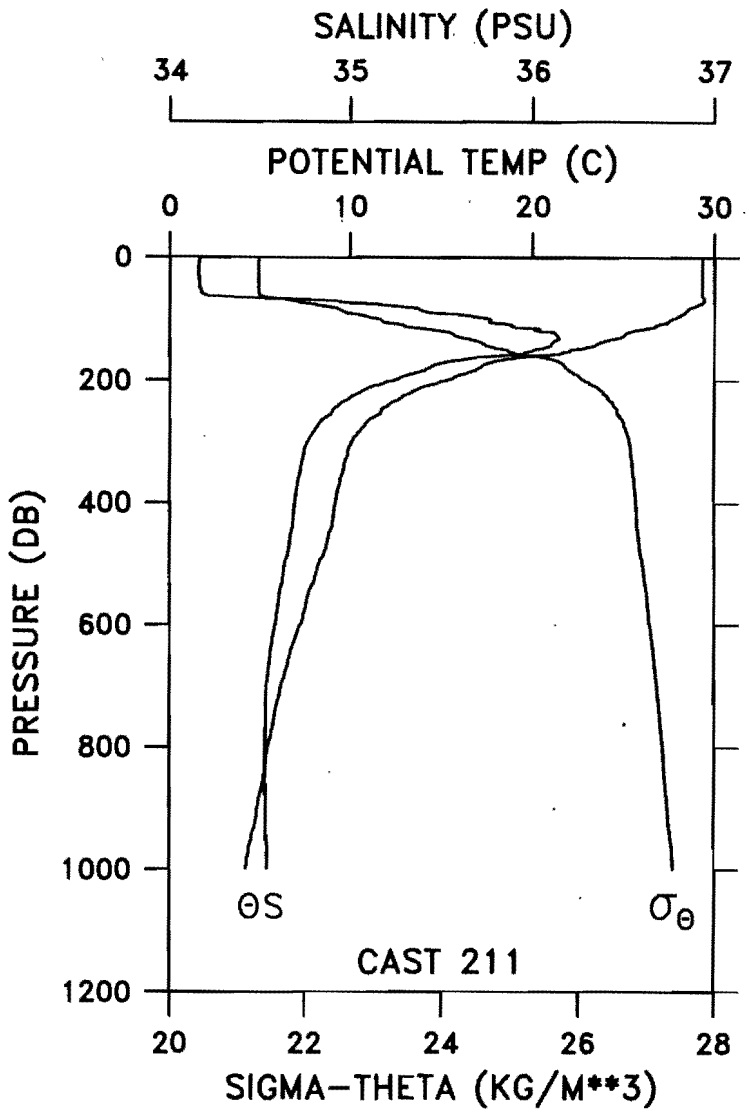
CAST GP4-98-KA-0191 DATE 19 JUL 98 TIME 0246 GMT
LAT 06 59.8S LONG 179 55.9W WEATHER 1 SEA STATE 4
BAROMETER 08 WIND DIR 041 T SPD 04 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 30.2 WET 26.5 DEPTH 4610 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.383	34.166	21.312	0.000
10	29.343	34.165	21.325	0.065
20	29.309	34.165	21.337	0.129
30	29.302	34.166	21.339	0.194
40	29.301	34.167	21.340	0.258
50	29.256	34.260	21.425	0.323
60	28.847	34.917	22.055	0.384
70	28.235	35.296	22.542	0.439
80	27.338	35.645	23.097	0.490
90	26.520	35.779	23.460	0.536
100	25.897	35.867	23.721	0.579
110	25.458	35.981	23.944	0.621
120	24.745	36.031	24.200	0.660
130	23.999	36.061	24.447	0.696
140	22.569	36.031	24.841	0.730
150	21.438	35.926	25.080	0.760
160	20.497	35.804	25.243	0.789
170	19.774	35.733	25.382	0.816
180	19.139	35.658	25.490	0.842
190	18.372	35.585	25.629	0.867
200	17.612	35.500	25.752	0.890
250	14.535	35.180	26.213	0.995
300	11.564	34.899	26.593	1.079
350	9.885	34.752	26.779	1.150
400	8.630	34.657	26.909	1.213
450	7.857	34.608	26.987	1.272
500	7.100	34.564	27.062	1.328
550	6.703	34.549	27.104	1.380
600	6.223	34.532	27.155	1.431
650	5.997	34.531	27.182	1.480
700	5.706	34.526	27.215	1.528
750	5.316	34.525	27.262	1.574
800	5.079	34.536	27.299	1.618
900	4.549	34.540	27.362	1.702
1000	4.167	34.548	27.409	1.780
1003	4.154	34.548	27.410	1.782



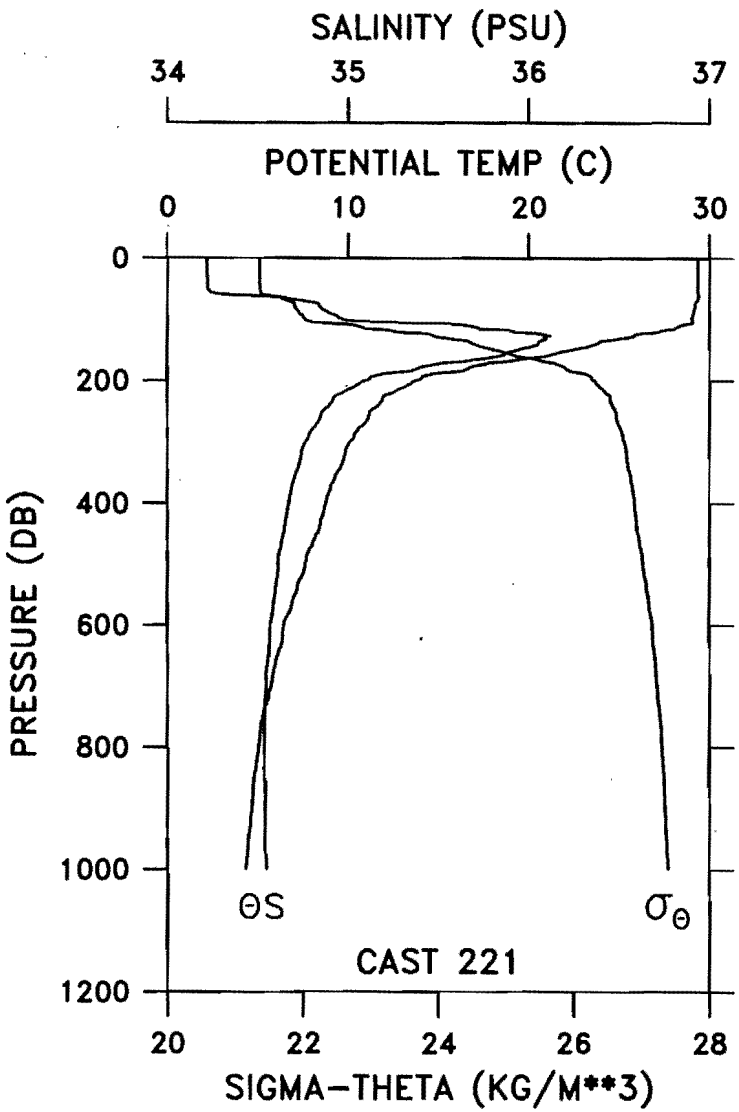
CAST GP4-98-KA-0201 DATE 19 JUL 98 TIME 0937 GMT
LAT 05 59.8S LONG 179 57.2W WEATHER 1 SEA STATE 4
BAROMETER 10 WIND DIR 058 T SPD 08 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 27.6 WET 25.3 DEPTH 4648 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.405	34.269	21.382	0.000
10	29.407	34.266	21.379	0.064
20	29.409	34.267	21.379	0.128
30	29.403	34.268	21.382	0.192
40	29.396	34.267	21.383	0.257
50	29.394	34.267	21.384	0.321
60	29.392	34.312	21.419	0.385
70	29.303	34.746	21.775	0.447
80	28.740	35.210	22.311	0.506
90	28.308	35.527	22.692	0.559
100	27.372	35.822	23.219	0.609
110	26.312	36.066	23.742	0.653
120	25.194	36.107	24.121	0.694
130	24.362	36.089	24.360	0.731
140	23.000	36.057	24.737	0.765
150	22.037	35.973	24.948	0.797
160	20.849	35.875	25.203	0.826
170	19.783	35.743	25.387	0.854
180	19.145	35.671	25.498	0.880
190	17.828	35.527	25.719	0.904
200	16.612	35.392	25.908	0.926
250	12.995	35.022	26.411	1.022
300	10.902	34.842	26.670	1.100
350	9.602	34.725	26.805	1.168
400	8.961	34.677	26.872	1.232
450	8.303	34.633	26.940	1.293
500	7.831	34.603	26.987	1.352
550	7.206	34.568	27.050	1.408
600	6.723	34.549	27.102	1.462
650	6.283	34.537	27.151	1.513
700	5.849	34.528	27.199	1.562
750	5.472	34.533	27.249	1.609
800	5.151	34.535	27.289	1.653
900	4.619	34.539	27.353	1.738
1000	4.157	34.548	27.410	1.816
1005	4.143	34.548	27.412	1.820



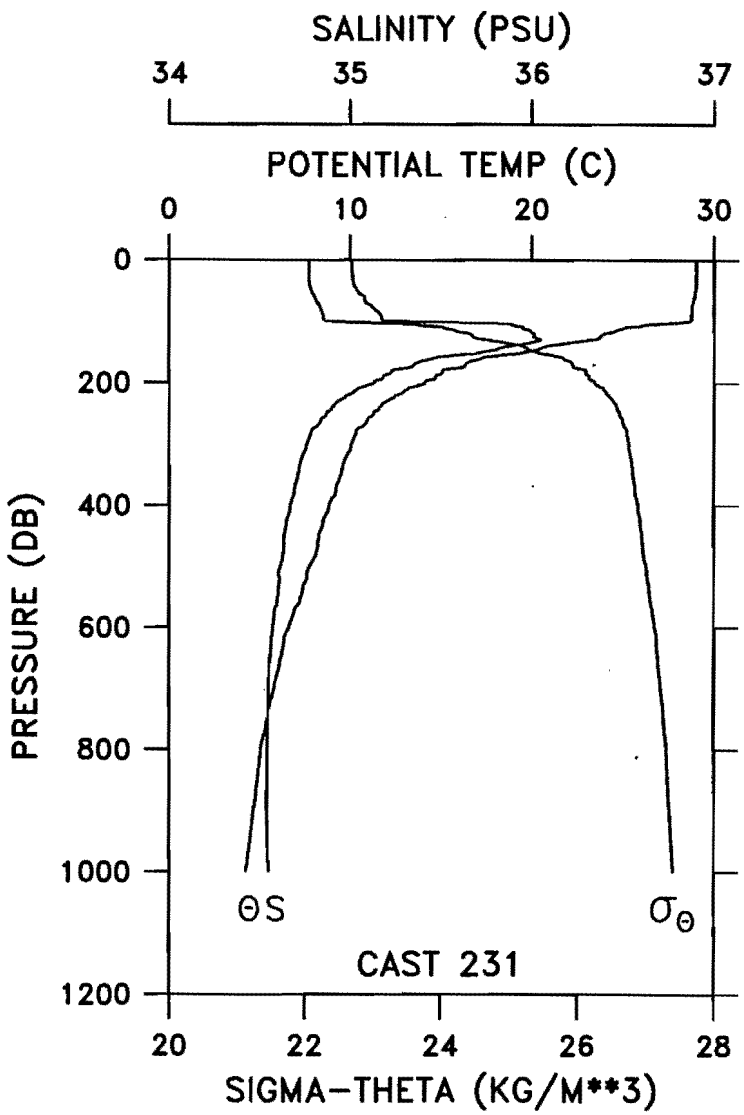
CAST GP4-98-KA-0211 DATE 19 JUL 98 TIME 1625 GMT
LAT 05 03.3S LONG 179 58.0W WEATHER 1 SEA STATE 4
BAROMETER 08 WIND DIR 046 T SPD 15 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 27.5 WET 24.6 DEPTH 5755 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.360	34.167	21.321	0.000
10	29.361	34.161	21.316	0.065
20	29.361	34.160	21.315	0.129
30	29.360	34.160	21.316	0.194
40	29.366	34.163	21.315	0.259
50	29.370	34.167	21.317	0.324
60	29.387	34.185	21.325	0.389
70	29.468	34.847	21.794	0.452
80	28.852	35.280	22.326	0.510
90	28.386	35.439	22.600	0.564
100	27.646	35.767	23.089	0.614
110	26.803	35.886	23.450	0.661
120	25.446	36.044	23.995	0.704
130	24.790	36.144	24.271	0.742
140	23.583	36.105	24.603	0.777
150	22.165	36.013	24.942	0.810
160	20.335	35.823	25.302	0.840
170	17.822	35.533	25.726	0.864
180	17.082	35.433	25.828	0.887
190	16.194	35.330	25.958	0.909
200	15.315	35.241	26.088	0.929
250	11.708	34.904	26.571	1.014
300	10.112	34.766	26.750	1.085
350	9.606	34.725	26.804	1.151
400	9.183	34.695	26.850	1.216
450	8.853	34.673	26.886	1.279
500	8.274	34.637	26.948	1.341
550	7.715	34.609	27.009	1.399
600	7.278	34.587	27.055	1.455
650	6.667	34.559	27.117	1.509
700	6.177	34.539	27.166	1.560
750	5.817	34.534	27.207	1.608
800	5.454	34.531	27.250	1.655
900	4.885	34.532	27.318	1.744
1000	4.225	34.542	27.398	1.825
1003	4.211	34.542	27.400	1.828



CAST GP4-98-KA-0221 DATE 20 JUL 98 TIME 1127 GMT
LAT 03 59.7S LONG 179 53.6W WEATHER 1 SEA STATE 4
BAROMETER 09 WIND DIR 040 T SPD 10 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 28.0 WET 25.0 DEPTH 5873 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.362	34.219	21.359	0.000
10	29.362	34.219	21.359	0.064
20	29.364	34.219	21.358	0.129
30	29.358	34.220	21.361	0.193
40	29.359	34.220	21.361	0.257
50	29.352	34.223	21.365	0.322
60	29.402	34.361	21.452	0.386
70	29.281	34.765	21.796	0.448
80	29.200	34.849	21.886	0.508
90	29.122	34.899	21.950	0.567
100	29.035	34.978	22.038	0.625
110	28.323	35.666	22.791	0.681
120	27.101	35.921	23.381	0.729
130	25.174	36.094	24.117	0.770
140	23.671	36.049	24.535	0.806
150	22.272	35.933	24.851	0.840
160	20.790	35.826	25.181	0.869
170	18.030	35.553	25.690	0.895
180	16.664	35.386	25.891	0.918
190	14.519	35.173	26.211	0.938
200	13.698	35.088	26.319	0.956
250	11.208	34.857	26.627	1.035
300	10.085	34.763	26.753	1.106
350	9.406	34.713	26.828	1.172
400	8.779	34.672	26.897	1.235
450	8.292	34.640	26.948	1.295
500	7.624	34.611	27.024	1.353
550	7.059	34.593	27.090	1.407
600	6.422	34.569	27.157	1.458
650	6.079	34.558	27.194	1.507
700	5.722	34.547	27.230	1.554
750	5.279	34.538	27.276	1.600
800	5.026	34.537	27.305	1.643
900	4.658	34.539	27.349	1.726
1000	4.324	34.548	27.392	1.806
1008	4.294	34.549	27.396	1.813

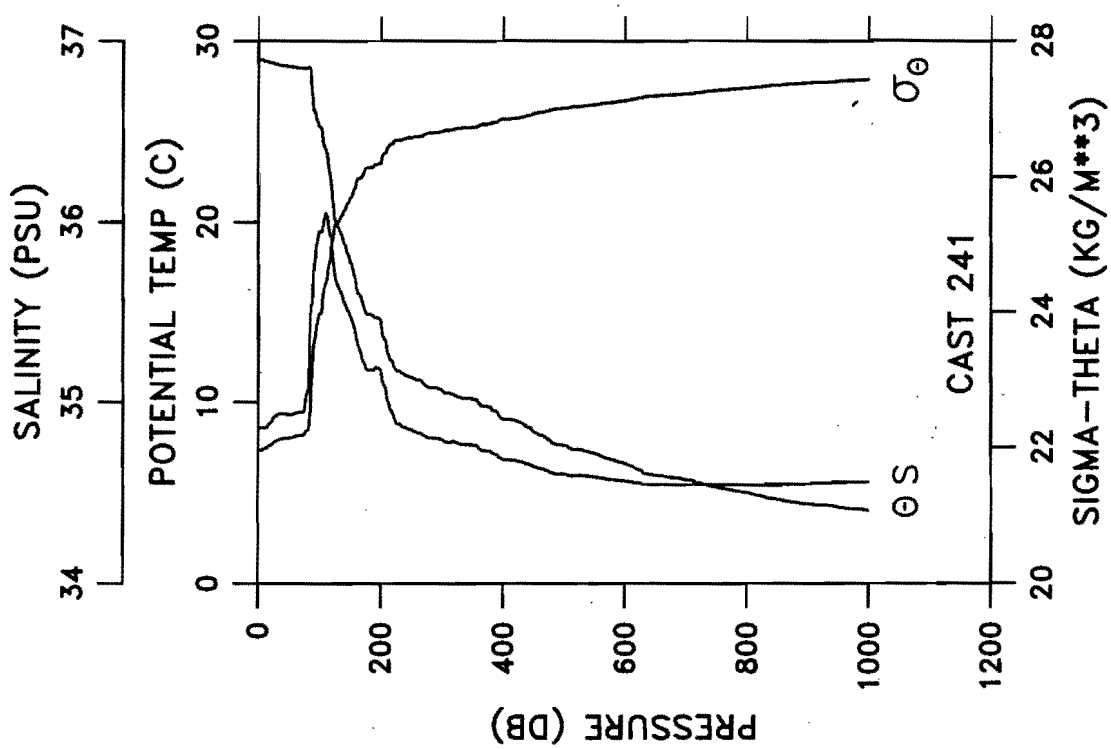


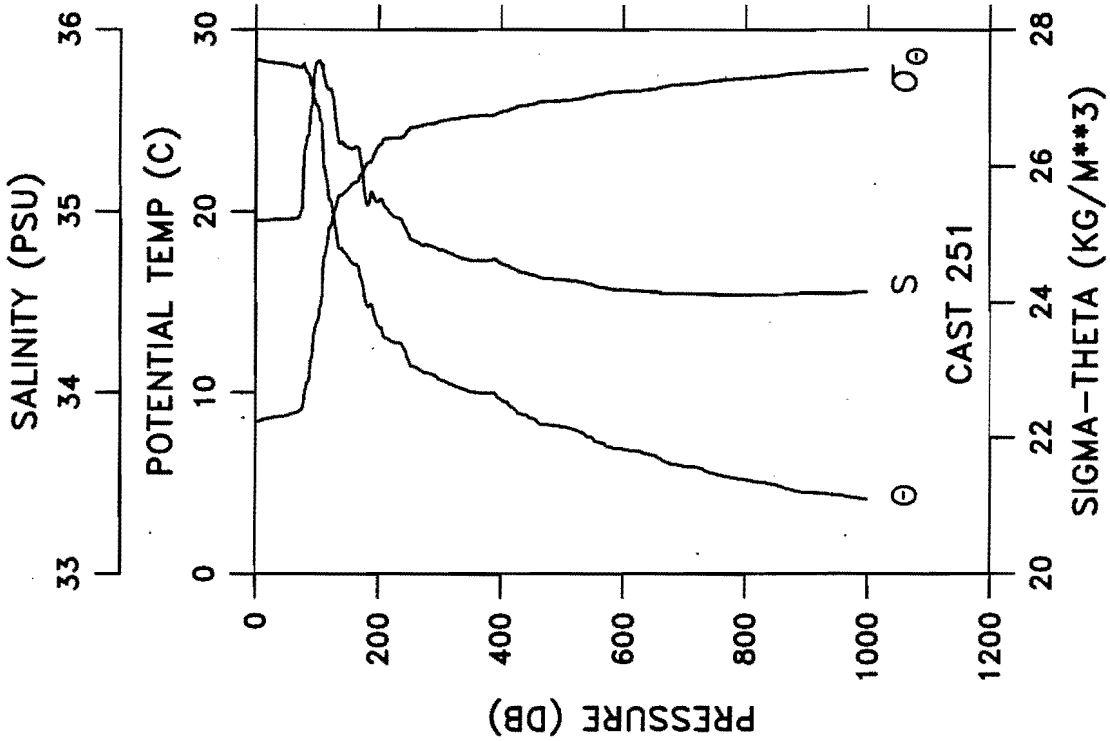
CAST GP4-98-KA-0231 DATE 20 JUL 98 TIME 1822 GMT
LAT 03 00.3S LONG 179 54.2W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 020 T SPD 08 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 27.5 WET 24.4 DEPTH 5289 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.038	35.011	22.062	0.000
10	29.039	35.011	22.062	0.058
20	29.043	35.015	22.063	0.115
30	29.042	35.016	22.065	0.173
40	29.028	35.023	22.074	0.230
50	28.991	35.042	22.101	0.288
60	28.947	35.082	22.145	0.345
70	28.846	35.090	22.186	0.402
80	28.792	35.138	22.239	0.458
90	28.771	35.173	22.273	0.514
100	28.567	35.273	22.416	0.570
110	25.064	35.952	24.044	0.615
120	23.953	36.016	24.427	0.652
130	23.081	36.049	24.708	0.687
140	20.840	35.878	25.207	0.717
150	19.620	35.727	25.418	0.745
160	17.284	35.463	25.802	0.769
170	16.383	35.357	25.935	0.790
180	15.140	35.234	26.122	0.811
190	14.729	35.186	26.175	0.830
200	14.147	35.132	26.259	0.849
250	11.333	34.872	26.615	0.929
300	10.090	34.763	26.752	0.999
350	9.499	34.714	26.814	1.065
400	8.862	34.673	26.884	1.129
450	8.305	34.638	26.944	1.190
500	7.790	34.617	27.005	1.248
550	7.279	34.602	27.066	1.304
600	6.630	34.572	27.132	1.356
650	6.184	34.557	27.180	1.405
700	5.815	34.551	27.222	1.453
750	5.420	34.546	27.266	1.499
800	5.065	34.543	27.306	1.543
900	4.666	34.542	27.350	1.627
1000	4.233	34.551	27.404	1.706
1008	4.199	34.550	27.408	1.712

CAST GP4-98-KA-0241 DATE 21 JUL 98 TIME 0138 GMT
LAT 01 59.6S LONG 179 51.4W WEATHER 1 SEA STATE 3
BAROMETER 07 WIND DIR 079 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 28.0 WET 24.0 DEPTH 5346 M

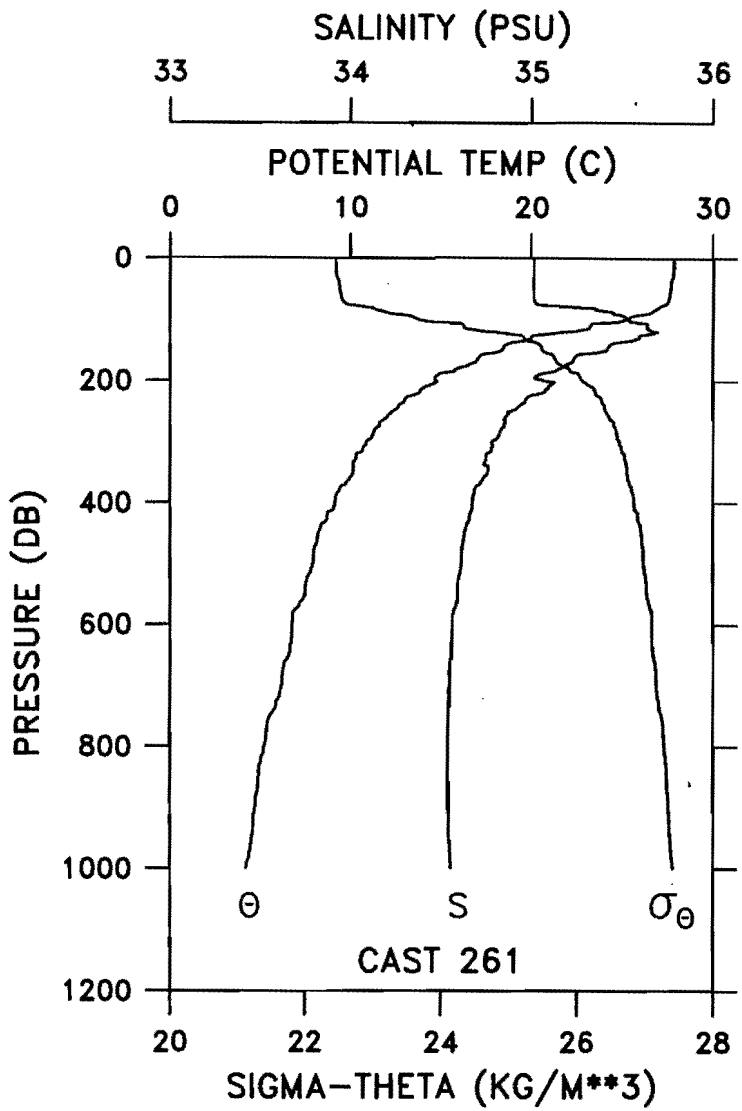
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.986	34.860	21.966	0.000
10	28.916	34.858	21.988	0.058
20	28.834	34.887	22.037	0.117
30	28.737	34.927	22.099	0.174
40	28.659	34.936	22.132	0.231
50	28.613	34.933	22.145	0.288
60	28.569	34.940	22.165	0.345
70	28.524	34.945	22.183	0.402
80	28.544	35.053	22.258	0.458
90	26.267	35.696	23.477	0.510
100	25.286	35.946	23.971	0.552
110	24.049	36.048	24.422	0.590
120	21.576	35.851	24.985	0.623
130	19.730	35.647	25.328	0.651
140	18.775	35.556	25.505	0.677
150	17.779	35.477	25.693	0.701
160	16.392	35.358	25.934	0.724
170	15.589	35.239	26.025	0.744
180	14.884	35.181	26.137	0.764
190	14.717	35.191	26.182	0.783
200	14.533	35.175	26.210	0.802
250	11.389	34.849	26.587	0.881
300	10.647	34.794	26.679	0.954
350	10.188	34.766	26.737	1.024
400	9.080	34.686	26.860	1.090
450	8.403	34.646	26.935	1.153
500	7.637	34.605	27.017	1.210
550	7.214	34.589	27.065	1.265
600	6.630	34.567	27.128	1.318
650	5.989	34.548	27.197	1.367
700	5.737	34.546	27.227	1.414
750	5.320	34.545	27.277	1.459
800	5.012	34.543	27.312	1.503
900	4.397	34.551	27.387	1.584
1000	4.028	34.561	27.434	1.659
1005	4.021	34.560	27.434	1.663





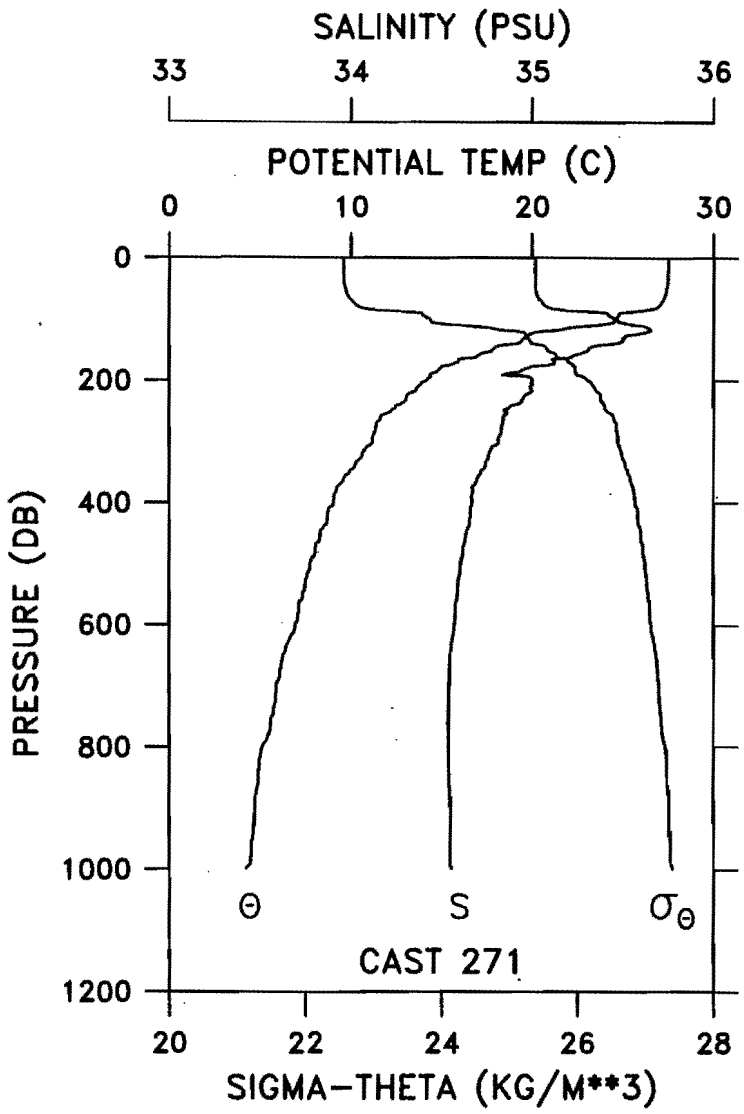
CAST GP4-98-KA-0251 DATE 21 JUL 98 TIME 0533 GMT
LAT 01 29.5S LONG 179 50.9W WEATHER 1 SEA STATE 3
BAROMETER 07 WIND DIR 076 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 29.7 WET 25.0 DEPTH 5242 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.338	34.948	22.247	0.000
10	28.293	34.949	22.262	0.056
20	28.222	34.953	22.289	0.111
30	28.172	34.956	22.308	0.167
40	28.147	34.958	22.317	0.222
50	28.104	34.957	22.331	0.277
60	28.008	34.959	22.364	0.332
70	27.946	34.968	22.390	0.387
80	27.879	35.343	22.695	0.441
90	26.968	35.568	23.158	0.491
100	25.806	35.824	23.717	0.536
110	22.717	35.752	24.587	0.575
120	20.674	35.670	25.094	0.607
130	19.088	35.497	25.379	0.635
140	17.944	35.384	25.581	0.660
150	17.504	35.353	25.665	0.684
160	17.101	35.348	25.758	0.707
170	16.434	35.298	25.877	0.729
180	14.966	35.053	26.021	0.751
190	14.762	35.100	26.102	0.771
200	13.693	35.057	26.296	0.789
250	11.734	34.870	26.539	0.872
300	10.710	34.785	26.661	0.947
350	10.037	34.733	26.737	1.018
400	9.620	34.715	26.794	1.086
450	8.590	34.653	26.912	1.150
500	8.097	34.625	26.965	1.209
550	7.504	34.599	27.032	1.267
600	6.882	34.571	27.097	1.320
650	6.545	34.558	27.133	1.372
700	5.920	34.548	27.206	1.421
750	5.523	34.543	27.251	1.468
800	5.170	34.541	27.292	1.513
900	4.483	34.549	27.376	1.596
1000	4.110	34.559	27.424	1.673
1006	4.099	34.559	27.425	1.678



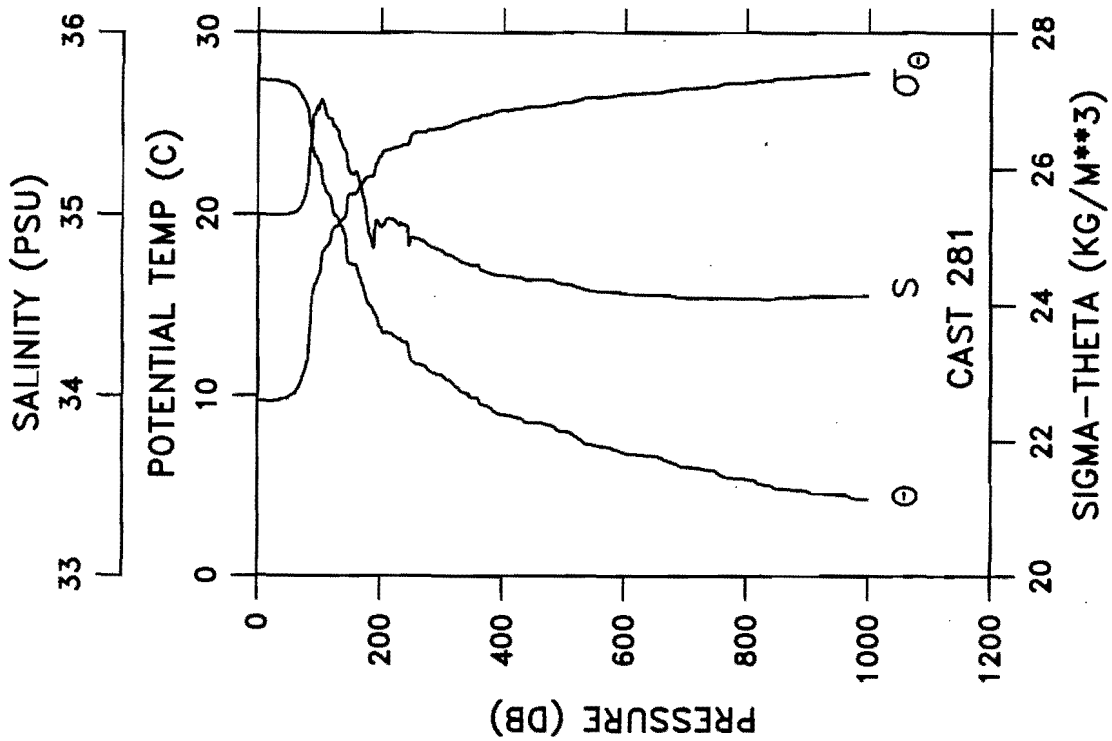
CAST GP4-98-KA-0261 DATE 21 JUL 98 TIME 0915 GMT
LAT 00 59.8S LONG 179 51.3W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 067 T SPD 14 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 26.7 WET 23.7 DEPTH 5392 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.864	35.016	22.453	0.000
10	27.868	35.015	22.451	0.054
20	27.856	35.016	22.456	0.108
30	27.807	35.015	22.471	0.161
40	27.710	35.014	22.501	0.215
50	27.673	35.014	22.514	0.269
60	27.624	35.015	22.530	0.322
70	27.540	35.018	22.560	0.375
80	27.022	35.268	22.914	0.427
90	26.460	35.451	23.231	0.475
100	25.218	35.531	23.678	0.519
110	23.257	35.640	24.346	0.558
120	21.852	35.697	24.791	0.593
130	19.956	35.592	25.226	0.623
140	18.647	35.437	25.447	0.650
150	18.384	35.413	25.494	0.675
160	17.150	35.243	25.666	0.700
170	16.892	35.222	25.711	0.723
180	15.920	35.154	25.885	0.746
190	14.867	35.039	26.032	0.767
200	14.726	35.070	26.087	0.787
250	12.370	34.883	26.427	0.875
300	10.897	34.782	26.625	0.953
350	10.147	34.761	26.740	1.024
400	9.161	34.676	26.839	1.090
450	8.228	34.632	26.951	1.151
500	7.935	34.615	26.982	1.210
550	7.502	34.595	27.029	1.266
600	6.790	34.567	27.107	1.320
650	6.610	34.562	27.127	1.372
700	6.213	34.552	27.171	1.422
750	5.531	34.539	27.247	1.470
800	5.214	34.540	27.286	1.515
900	4.719	34.543	27.345	1.599
1000	4.204	34.557	27.413	1.679
1007	4.185	34.557	27.415	1.685



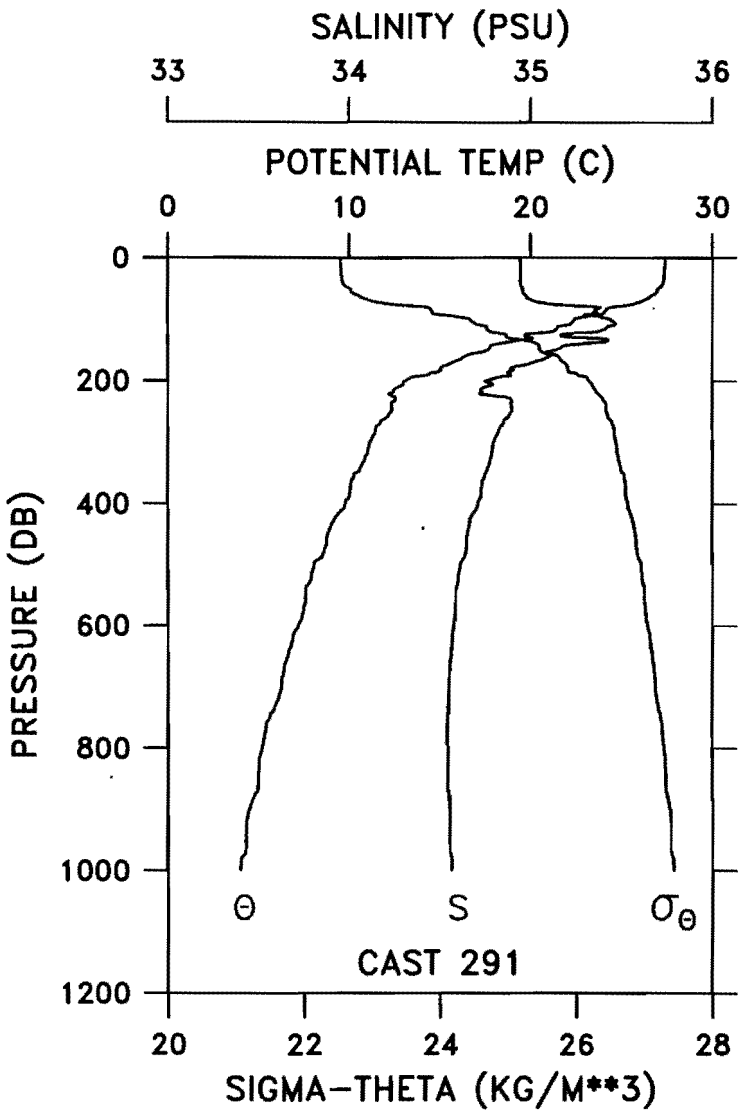
CAST GP4-98-KA-0271 DATE 21 JUL 98 TIME 1308 GMT
LAT 00 30.0S LONG 179 51.1W WEATHER 1 SEA STATE 4
BAROMETER 09 WIND DIR 085 T SPD 12 KT VISIBILITY 7
CLOUD AMOUNT 0 DRY 26.1 WET 22.7 DEPTH 4693 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.534	35.018	22.562	0.000
10	27.533	35.017	22.561	0.053
20	27.530	35.017	22.562	0.106
30	27.522	35.017	22.565	0.158
40	27.512	35.017	22.568	0.211
50	27.452	35.020	22.590	0.264
60	27.382	35.025	22.616	0.317
70	27.205	35.049	22.691	0.369
80	26.961	35.084	22.795	0.420
90	24.845	35.412	23.701	0.468
100	24.558	35.468	23.831	0.510
110	23.514	35.577	24.223	0.550
120	20.497	35.645	25.123	0.583
130	19.605	35.509	25.255	0.610
140	19.143	35.456	25.334	0.638
150	17.818	35.310	25.556	0.663
160	16.977	35.221	25.691	0.687
170	15.910	35.125	25.865	0.709
180	14.899	34.965	25.968	0.731
190	14.371	34.844	25.989	0.751
200	14.152	35.003	26.158	0.771
250	12.174	34.847	26.437	0.859
300	11.172	34.815	26.600	0.935
350	9.913	34.716	26.746	1.007
400	9.046	34.668	26.851	1.072
450	8.322	34.635	26.939	1.134
500	7.771	34.606	26.998	1.193
550	7.356	34.588	27.044	1.249
600	6.932	34.571	27.090	1.303
650	6.252	34.549	27.164	1.354
700	5.884	34.540	27.204	1.403
750	5.638	34.541	27.235	1.450
800	5.092	34.538	27.299	1.496
900	4.699	34.547	27.350	1.579
1000	4.215	34.555	27.410	1.660
1003	4.207	34.554	27.410	1.662



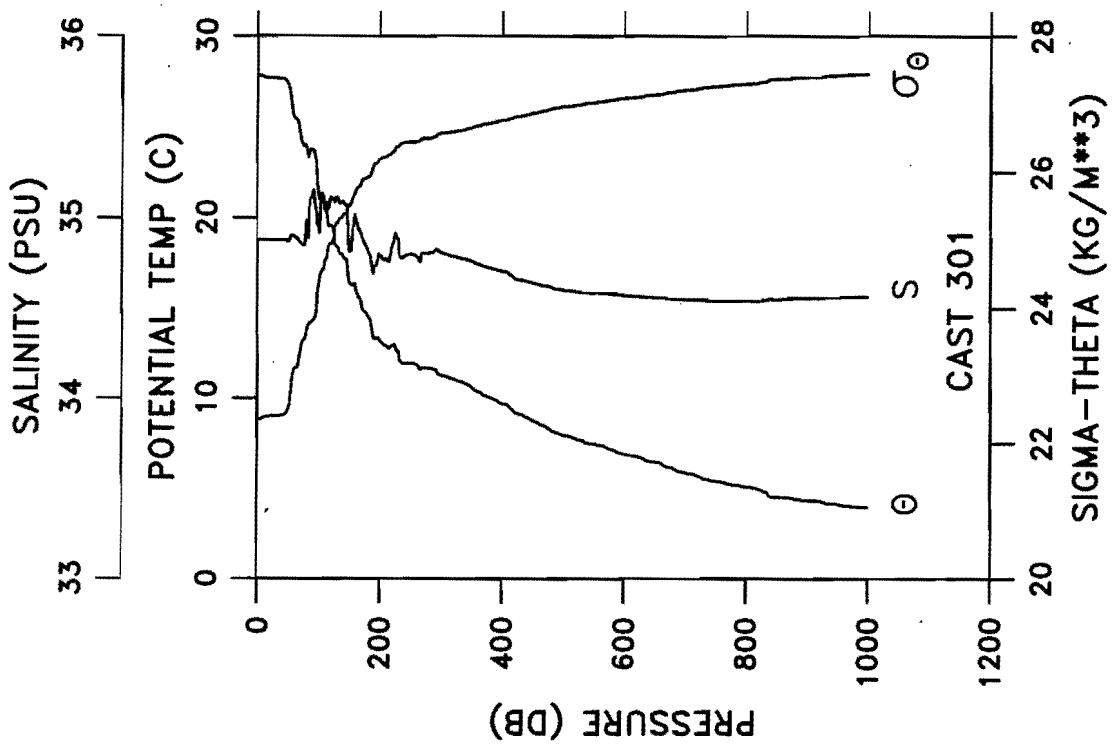
CAST GP4-98-KA-0281 DATE 21 JUL 98 TIME 1710 GMT
LAT 00 00.8N LONG 179 51.9W WEATHER 1 SEA STATE 4
BAROMETER 07 WIND DIR 087 T SPD 15 KT VISIBILITY 7
CLOUD AMOUNT 0 DRY 25.8 WET 23.1 DEPTH 5403 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.402	35.001	22.592	0.000
10	27.395	35.001	22.594	0.052
20	27.403	35.000	22.591	0.105
30	27.379	35.000	22.598	0.158
40	27.293	35.001	22.627	0.210
50	27.261	35.002	22.638	0.262
60	27.082	35.009	22.700	0.314
70	26.574	35.049	22.892	0.365
80	25.923	35.166	23.184	0.414
90	23.496	35.540	24.201	0.456
100	22.780	35.592	24.448	0.492
110	21.350	35.567	24.831	0.525
120	20.528	35.524	25.023	0.556
130	19.791	35.464	25.172	0.585
140	19.080	35.359	25.276	0.613
150	17.272	35.227	25.625	0.638
160	17.199	35.232	25.646	0.662
170	16.174	35.106	25.790	0.685
180	15.123	34.917	25.881	0.707
190	14.552	34.863	25.965	0.729
200	13.801	34.934	26.178	0.749
250	11.945	34.870	26.499	0.837
300	11.153	34.803	26.595	0.914
350	9.906	34.721	26.750	0.985
400	8.962	34.663	26.861	1.051
450	8.522	34.641	26.912	1.113
500	8.035	34.618	26.969	1.174
550	7.258	34.580	27.052	1.230
600	6.831	34.566	27.100	1.284
650	6.645	34.560	27.121	1.336
700	6.040	34.542	27.186	1.386
750	5.825	34.538	27.210	1.435
800	5.362	34.539	27.267	1.480
900	4.729	34.547	27.347	1.565
1000	4.257	34.556	27.406	1.645
1003	4.258	34.555	27.405	1.647



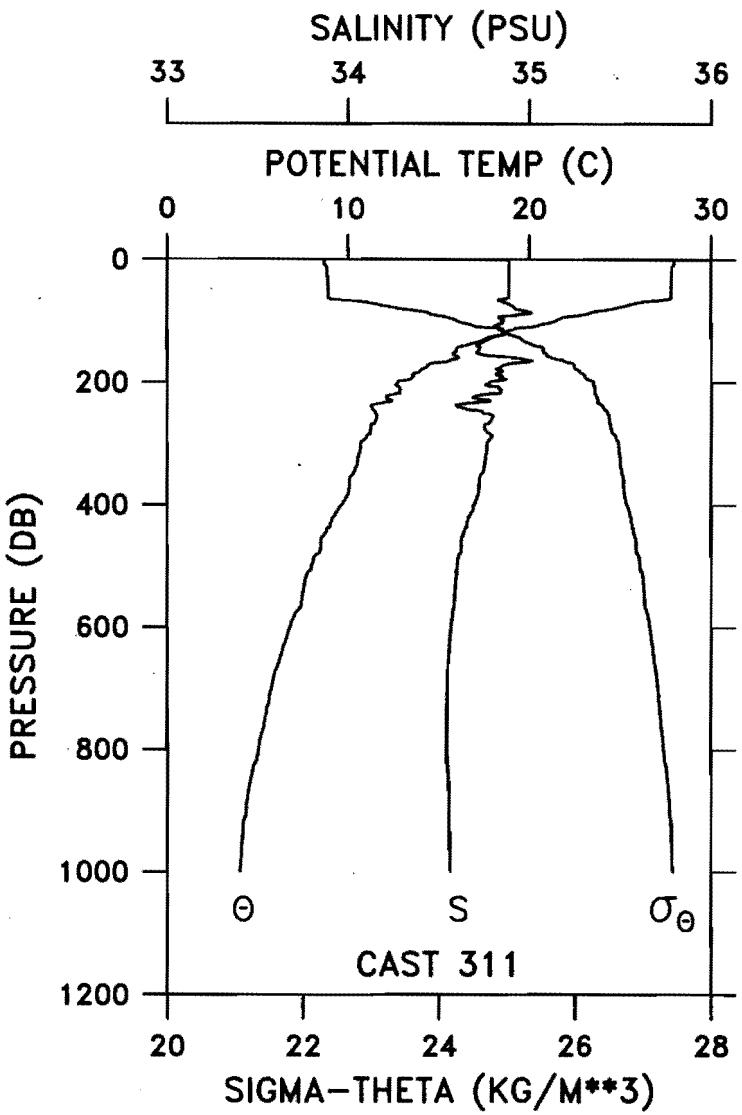
CAST GP4-98-KA-0291 DATE 21 JUL 98 TIME 2200 GMT
LAT 00 30.0N LONG 179 50.7W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 097 T SPD 14 KT VISIBILITY 7
CLOUD 8 AMOUNT 1 DRY 27.2 WET 26.0 DEPTH 5574 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.410	34.943	22.546	0.000
10	27.409	34.943	22.546	0.053
20	27.387	34.943	22.553	0.106
30	27.362	34.943	22.561	0.159
40	27.300	34.943	22.581	0.212
50	27.031	34.955	22.676	0.264
60	26.699	34.971	22.794	0.316
70	26.123	35.023	23.014	0.366
80	24.433	35.385	23.805	0.412
90	24.006	35.342	23.900	0.452
100	22.381	35.441	24.447	0.490
110	21.787	35.448	24.619	0.524
120	21.096	35.358	24.742	0.557
130	20.091	35.339	24.997	0.588
140	18.182	35.266	25.432	0.615
150	17.610	35.129	25.468	0.641
160	16.375	35.100	25.739	0.665
170	15.731	35.012	25.819	0.688
180	15.044	34.889	25.877	0.710
190	14.384	34.888	26.020	0.731
200	13.103	34.753	26.181	0.750
250	12.331	34.896	26.445	0.837
300	11.158	34.795	26.588	0.915
350	10.382	34.752	26.693	0.989
400	9.790	34.709	26.761	1.059
450	8.823	34.653	26.875	1.124
500	8.073	34.614	26.960	1.186
550	7.594	34.589	27.011	1.244
600	7.193	34.575	27.057	1.300
650	6.620	34.564	27.127	1.353
700	6.249	34.551	27.166	1.403
750	5.603	34.542	27.240	1.451
800	5.175	34.541	27.291	1.496
900	4.457	34.557	27.385	1.580
1000	3.993	34.564	27.440	1.656
1005	3.991	34.564	27.440	1.659



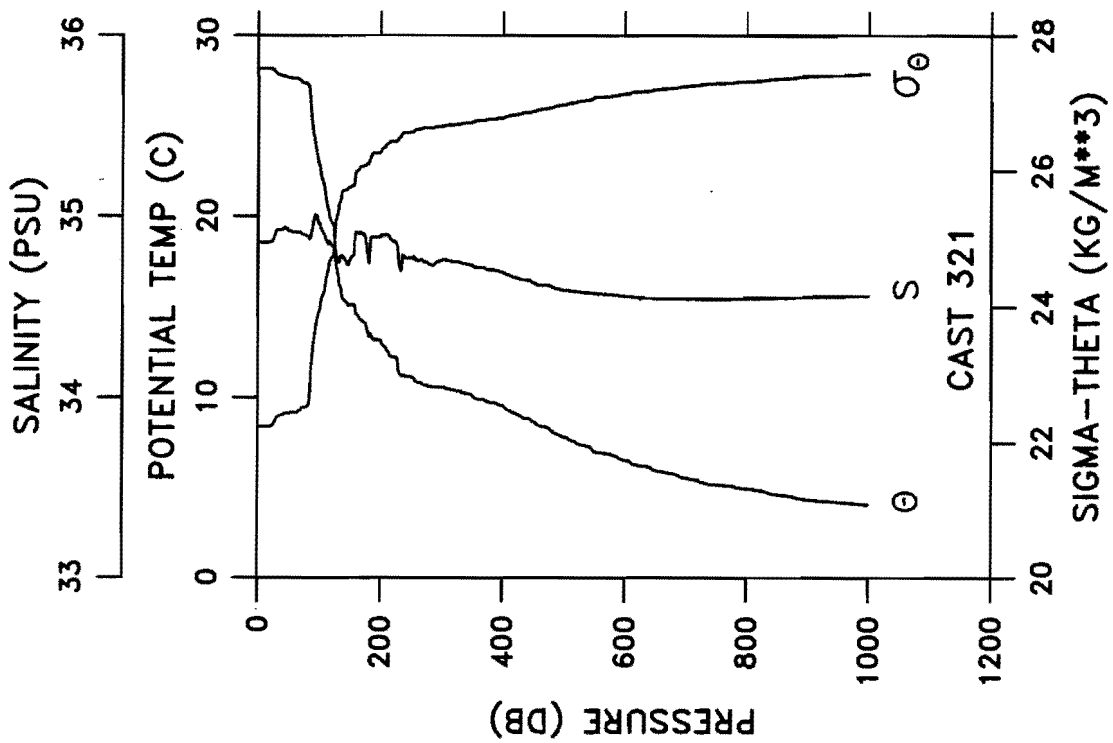
CAST GP4-98-KA-0301 DATE 22 JUL 98 TIME 0206 GMT
LAT 01 00.0N LONG 179 49.6W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 090 T SPD 12 KT VISIBILITY 7
CLOUD 8 AMOUNT 1 DRY 27.5 WET 24.0 DEPTH 5796 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.840	34.880	22.359	0.000
10	27.759	34.881	22.386	0.055
20	27.705	34.880	22.403	0.109
30	27.690	34.880	22.407	0.163
40	27.666	34.879	22.414	0.218
50	27.334	34.869	22.514	0.272
60	25.554	34.897	23.096	0.322
70	24.546	34.863	23.376	0.370
80	23.853	34.988	23.678	0.413
90	23.757	35.137	23.818	0.455
100	21.262	34.936	24.375	0.494
110	20.417	35.077	24.711	0.529
120	19.574	35.113	24.961	0.560
130	18.413	35.112	25.256	0.589
140	17.818	35.086	25.384	0.616
150	16.426	34.815	25.508	0.642
160	16.086	34.995	25.725	0.666
170	15.154	34.896	25.859	0.688
180	14.567	34.820	25.928	0.710
190	13.318	34.731	26.121	0.730
200	13.166	34.790	26.198	0.750
250	11.952	34.802	26.445	0.837
300	11.280	34.810	26.577	0.916
350	10.620	34.761	26.658	0.991
400	9.704	34.705	26.772	1.061
450	8.767	34.642	26.875	1.127
500	7.942	34.601	26.970	1.188
550	7.488	34.587	27.025	1.245
600	6.903	34.572	27.096	1.299
650	6.466	34.561	27.146	1.351
700	5.868	34.550	27.214	1.400
750	5.391	34.545	27.268	1.446
800	5.079	34.544	27.305	1.489
900	4.321	34.557	27.400	1.570
1000	3.932	34.565	27.448	1.644
1005	3.892	34.565	27.452	1.647



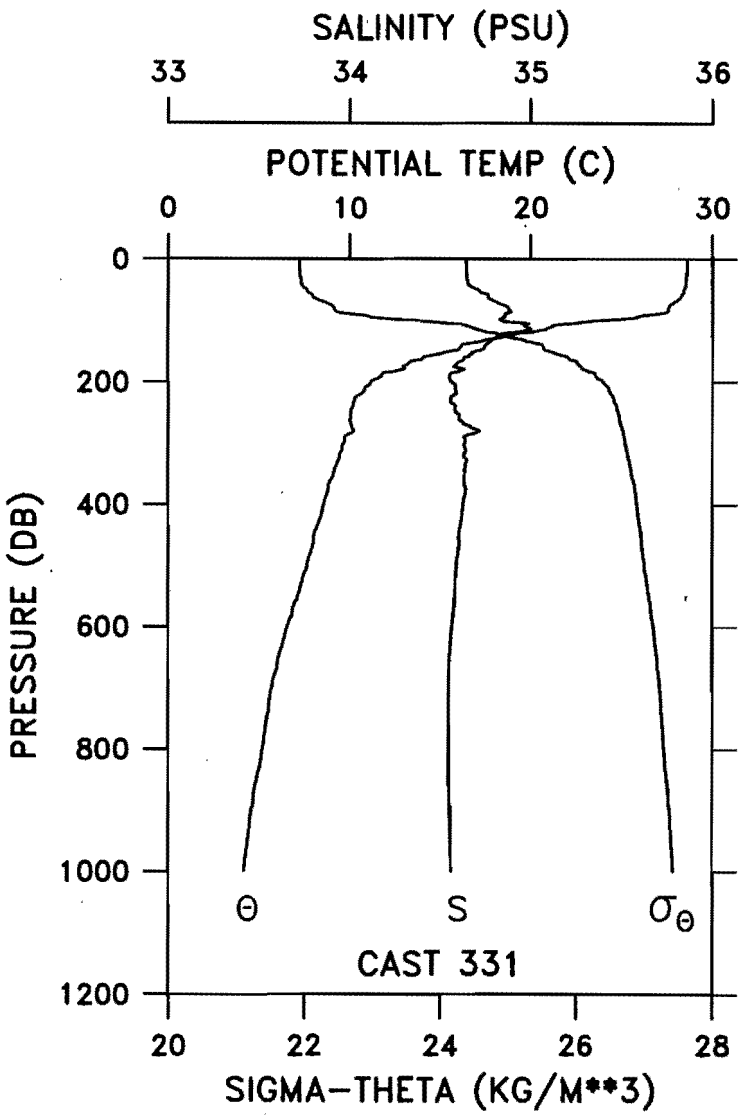
CAST GP4-98-KA-0311 DATE 22 JUL 98 TIME 0629 GMT
LAT 01 30.0N LONG 179 51.0W WEATHER 1 SEA STATE 4
BAROMETER 08 WIND DIR 106 T SPD 09 KT VISIBILITY 7
CLOUD 8 AMOUNT 1 DRY 30.1 WET 26.0 DEPTH 5589 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.991	34.889	22.317	0.000
10	27.917	34.891	22.342	0.055
20	27.849	34.889	22.362	0.110
30	27.832	34.889	22.368	0.165
40	27.818	34.890	22.373	0.219
50	27.811	34.889	22.375	0.274
60	27.799	34.887	22.377	0.329
70	25.952	34.868	22.951	0.382
80	24.546	34.924	23.423	0.429
90	22.884	34.932	23.917	0.471
100	21.410	34.850	24.269	0.509
110	19.979	34.798	24.614	0.545
120	18.621	34.868	25.018	0.575
130	17.477	34.773	25.227	0.604
140	16.513	34.709	25.406	0.631
150	15.956	34.716	25.540	0.656
160	16.086	34.915	25.663	0.681
170	14.530	34.887	25.988	0.703
180	13.986	34.840	26.067	0.723
190	13.597	34.852	26.157	0.742
200	12.740	34.781	26.275	0.761
250	11.503	34.744	26.485	0.847
300	10.703	34.768	26.649	0.924
350	10.271	34.736	26.699	0.996
400	9.640	34.692	26.773	1.066
450	8.671	34.634	26.884	1.130
500	7.974	34.603	26.966	1.191
550	7.480	34.589	27.027	1.248
600	6.786	34.568	27.108	1.302
650	6.231	34.557	27.173	1.353
700	5.747	34.549	27.228	1.400
750	5.382	34.545	27.270	1.446
800	5.045	34.544	27.309	1.489
900	4.356	34.558	27.397	1.570
1000	3.989	34.565	27.441	1.644
1006	3.963	34.565	27.444	1.648



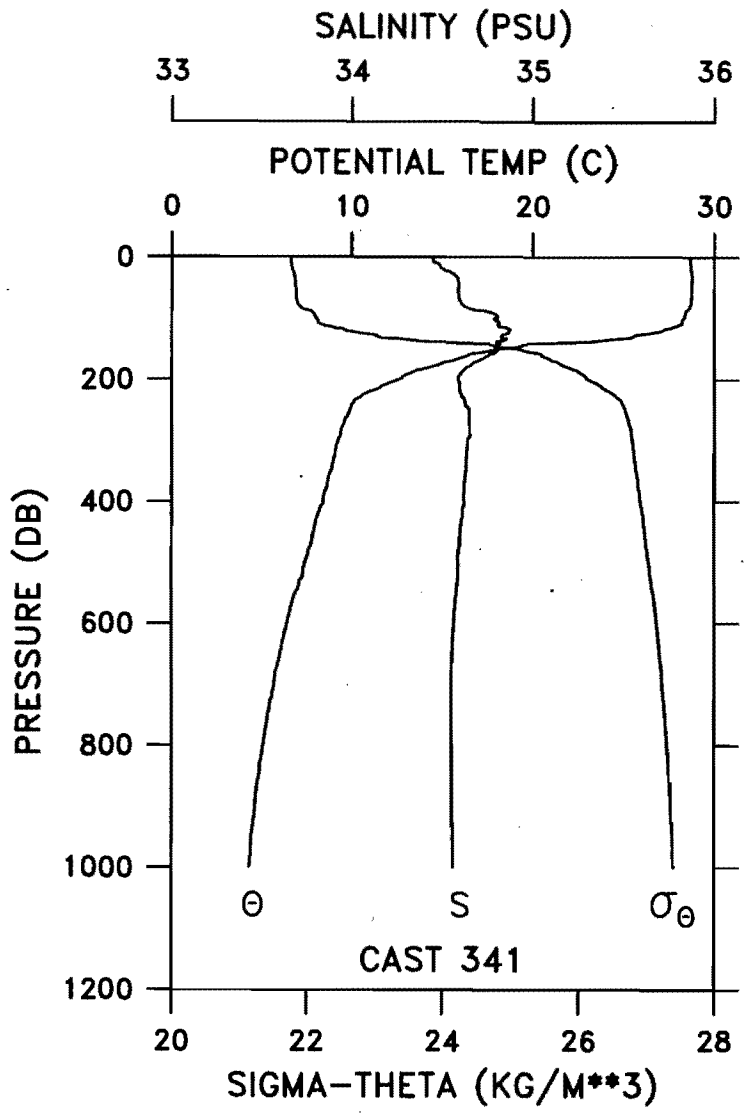
CAST GP4-98-KA-0321 DATE 22 JUL 98 TIME 1738 GMT
LAT 02 00.2N LONG 179 44.6W WEATHER 1 SEA STATE 4
BAROMETER 07 WIND DIR 119 T SPD 16 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 26.3 WET 24.0 DEPTH 5620 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.153	34.856	22.239	0.000
10	28.142	34.856	22.242	0.056
20	28.152	34.856	22.239	0.112
30	27.910	34.922	22.367	0.167
40	27.761	34.926	22.419	0.222
50	27.661	34.921	22.448	0.276
60	27.623	34.912	22.453	0.330
70	27.473	34.907	22.498	0.384
80	27.288	34.888	22.543	0.437
90	24.555	34.966	23.452	0.487
100	22.848	34.960	23.948	0.529
110	21.108	34.874	24.370	0.567
120	19.677	34.838	24.724	0.601
130	16.839	34.759	25.368	0.631
140	15.364	34.768	25.714	0.655
150	15.139	34.761	25.758	0.678
160	14.602	34.913	25.992	0.700
170	14.241	34.906	26.064	0.721
180	13.440	34.753	26.113	0.740
190	13.214	34.886	26.262	0.759
200	13.186	34.887	26.268	0.777
250	11.149	34.770	26.570	0.858
300	10.619	34.758	26.656	0.931
350	10.137	34.730	26.718	1.002
400	9.581	34.692	26.783	1.071
450	8.687	34.634	26.882	1.135
500	7.832	34.594	26.980	1.195
550	6.983	34.577	27.088	1.251
600	6.523	34.560	27.137	1.303
650	5.970	34.548	27.199	1.352
700	5.545	34.546	27.251	1.399
750	5.173	34.544	27.293	1.443
800	4.950	34.548	27.323	1.486
900	4.338	34.557	27.398	1.566
1000	4.071	34.564	27.432	1.641
1003	4.070	34.563	27.432	1.644



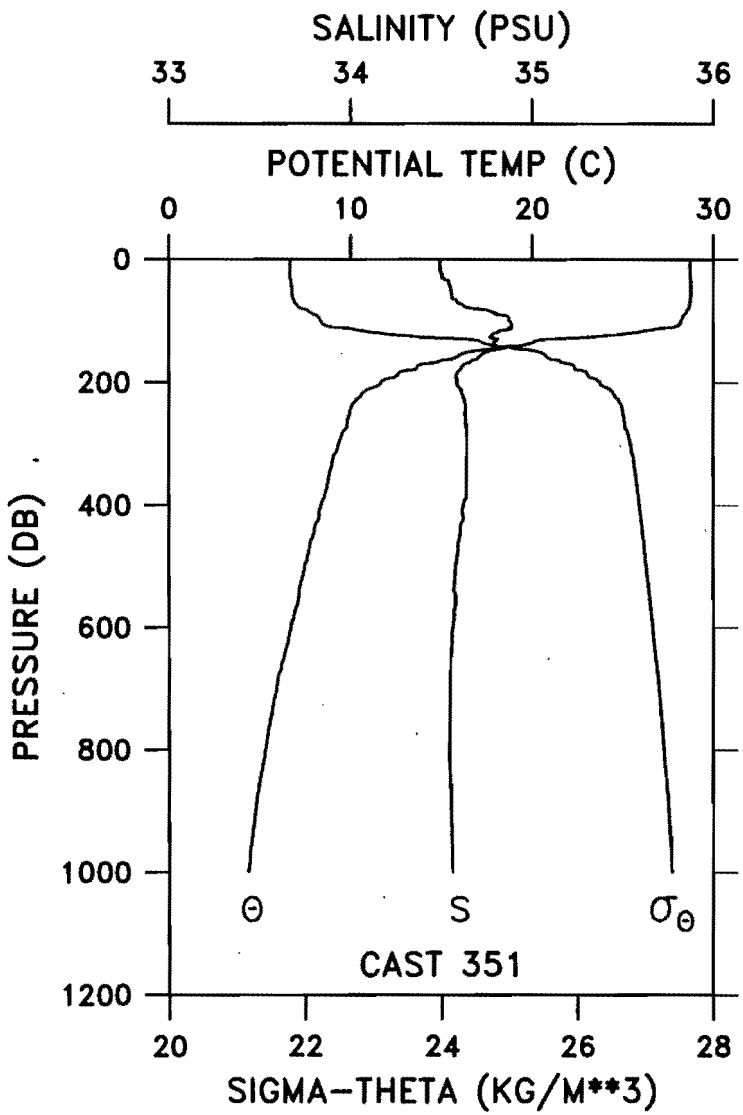
CAST GP4-98-KA-0331 DATE 23 JUL 98 TIME 0925 GMT
LAT 03 00.0N LONG 179 49.8W WEATHER 1 SEA STATE 4
BAROMETER 08 WIND DIR 123 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 27.4 WET 25.7 DEPTH 5662 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.622	34.643	21.924	0.000
10	28.617	34.646	21.928	0.059
20	28.610	34.647	21.931	0.118
30	28.557	34.649	21.950	0.177
40	28.548	34.655	21.958	0.235
50	28.432	34.713	22.039	0.294
60	28.282	34.767	22.130	0.351
70	27.889	34.814	22.293	0.408
80	27.584	34.879	22.441	0.463
90	26.713	34.859	22.705	0.517
100	23.649	34.846	23.630	0.565
110	21.158	34.976	24.434	0.603
120	19.490	34.873	24.799	0.637
130	17.735	34.797	25.183	0.667
140	16.215	34.751	25.507	0.694
150	15.562	34.697	25.615	0.719
160	14.068	34.635	25.891	0.741
170	13.268	34.597	26.027	0.762
180	12.847	34.626	26.134	0.782
190	11.752	34.554	26.290	0.800
200	11.187	34.569	26.407	0.817
250	10.068	34.594	26.624	0.894
300	9.655	34.636	26.726	0.965
350	9.110	34.636	26.816	1.032
400	8.558	34.627	26.896	1.095
450	8.050	34.604	26.956	1.155
500	7.652	34.591	27.004	1.213
550	7.131	34.582	27.072	1.268
600	6.556	34.567	27.138	1.320
650	6.072	34.555	27.192	1.369
700	5.707	34.550	27.234	1.416
750	5.424	34.548	27.267	1.462
800	5.180	34.547	27.296	1.506
900	4.561	34.555	27.372	1.589
1000	4.159	34.563	27.422	1.666
1006	4.152	34.562	27.422	1.671



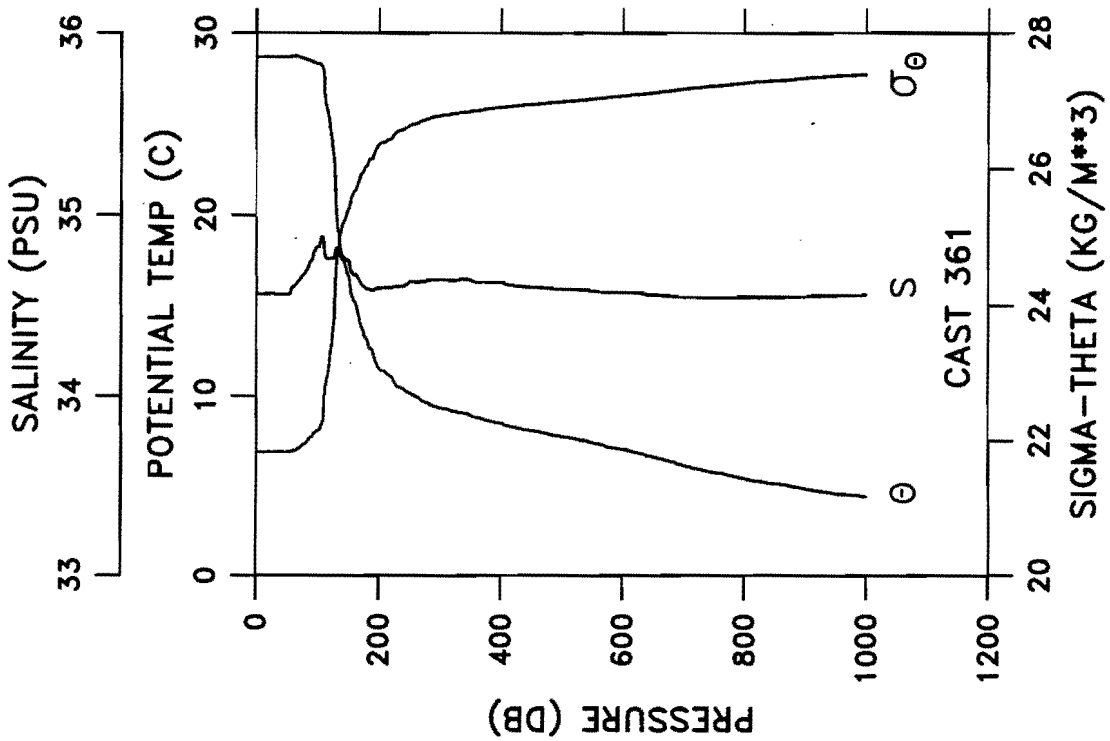
CAST GP4-98-KA-0341 DATE 23 JUL 98 TIME 1635 GMT
LAT 03 59.9N LONG 179 51.9W WEATHER 6 SEA STATE 5
BAROMETER 06 WIND DIR 172 T SPD 07 KT VISIBILITY 7
CLOUD AMOUNT 8 DRY 25.5 WET 24.8 DEPTH 5672 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.671	34.449	21.762	0.000
10	28.697	34.473	21.772	0.060
20	28.728	34.508	21.787	0.121
30	28.779	34.570	21.817	0.181
40	28.774	34.589	21.833	0.241
50	28.755	34.588	21.839	0.301
60	28.743	34.589	21.843	0.361
70	28.730	34.595	21.852	0.420
80	28.666	34.623	21.894	0.480
90	28.421	34.772	22.087	0.539
100	28.288	34.787	22.142	0.596
110	28.080	34.805	22.224	0.653
120	27.129	34.869	22.580	0.708
130	25.506	34.824	23.056	0.759
140	21.098	34.800	24.317	0.803
150	18.031	34.813	25.122	0.834
160	16.421	34.753	25.462	0.862
170	15.326	34.693	25.664	0.886
180	14.265	34.637	25.851	0.909
190	13.177	34.603	26.050	0.930
200	12.581	34.589	26.158	0.950
250	9.906	34.648	26.694	1.029
300	9.238	34.642	26.799	1.096
350	8.845	34.632	26.855	1.160
400	8.436	34.624	26.913	1.221
450	7.883	34.600	26.977	1.280
500	7.396	34.588	27.039	1.336
550	6.874	34.577	27.103	1.390
600	6.384	34.564	27.158	1.441
650	6.009	34.555	27.200	1.489
700	5.678	34.550	27.237	1.536
750	5.324	34.548	27.279	1.581
800	5.077	34.549	27.309	1.624
900	4.651	34.554	27.361	1.707
1000	4.314	34.560	27.403	1.786
1003	4.312	34.560	27.403	1.788



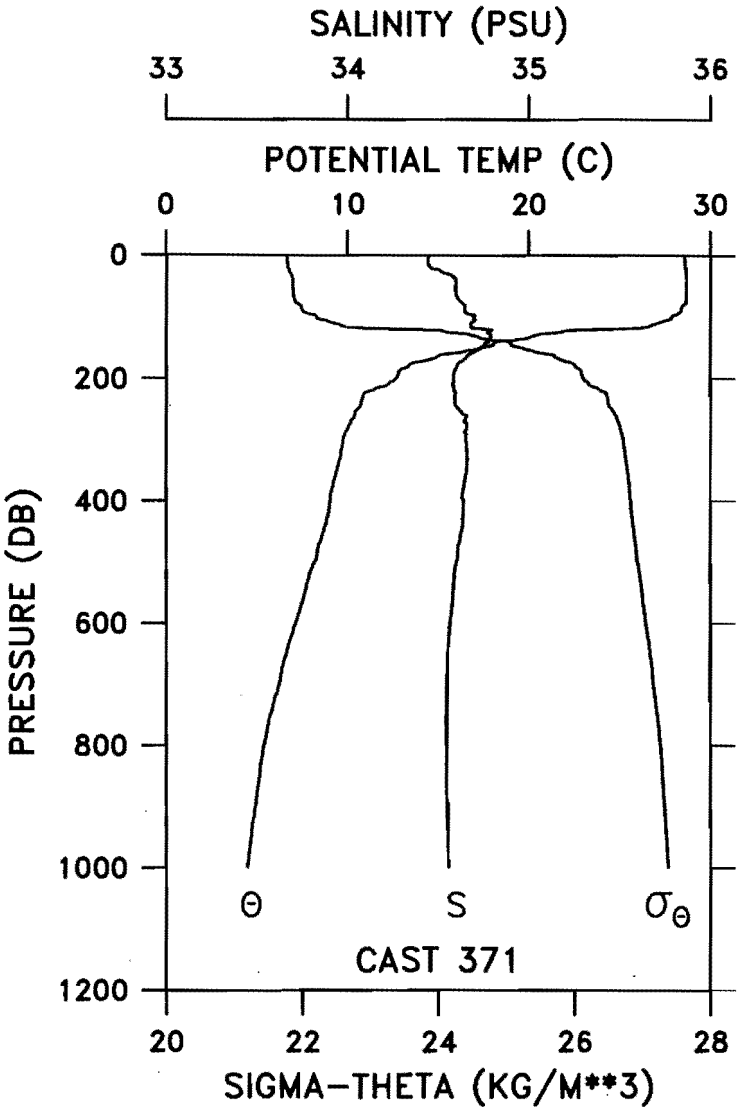
CAST GP4-98-KA-0351 DATE 24 JUL 98 TIME 1010 GMT
LAT 05 00.1N LONG 179 55.3W WEATHER 1 SEA STATE 4
BAROMETER 09 WIND DIR 122 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.9 WET 24.8 DEPTH 5678 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.713	34.494	21.782	0.000
10	28.716	34.492	21.780	0.060
20	28.723	34.496	21.780	0.121
30	28.731	34.502	21.782	0.181
40	28.775	34.542	21.798	0.241
50	28.768	34.553	21.808	0.301
60	28.758	34.557	21.815	0.362
70	28.729	34.591	21.849	0.422
80	28.632	34.685	21.953	0.481
90	28.384	34.823	22.138	0.539
100	28.215	34.873	22.231	0.596
110	27.708	34.879	22.401	0.652
120	25.197	34.788	23.123	0.703
130	20.695	34.810	24.433	0.746
140	19.279	34.808	24.804	0.779
150	16.580	34.750	25.422	0.808
160	15.737	34.702	25.579	0.833
170	13.914	34.629	25.919	0.856
180	13.170	34.601	26.050	0.877
190	12.483	34.580	26.171	0.896
200	11.664	34.587	26.332	0.914
250	9.947	34.631	26.673	0.990
300	9.355	34.642	26.780	1.059
350	8.818	34.637	26.863	1.123
400	8.389	34.621	26.917	1.184
450	7.937	34.600	26.970	1.243
500	7.486	34.579	27.019	1.300
550	7.153	34.579	27.066	1.355
600	6.726	34.564	27.113	1.408
650	6.314	34.553	27.160	1.459
700	5.912	34.549	27.207	1.507
750	5.563	34.548	27.251	1.554
800	5.285	34.547	27.283	1.599
900	4.742	34.554	27.351	1.684
1000	4.345	34.563	27.402	1.763
1006	4.340	34.562	27.402	1.768



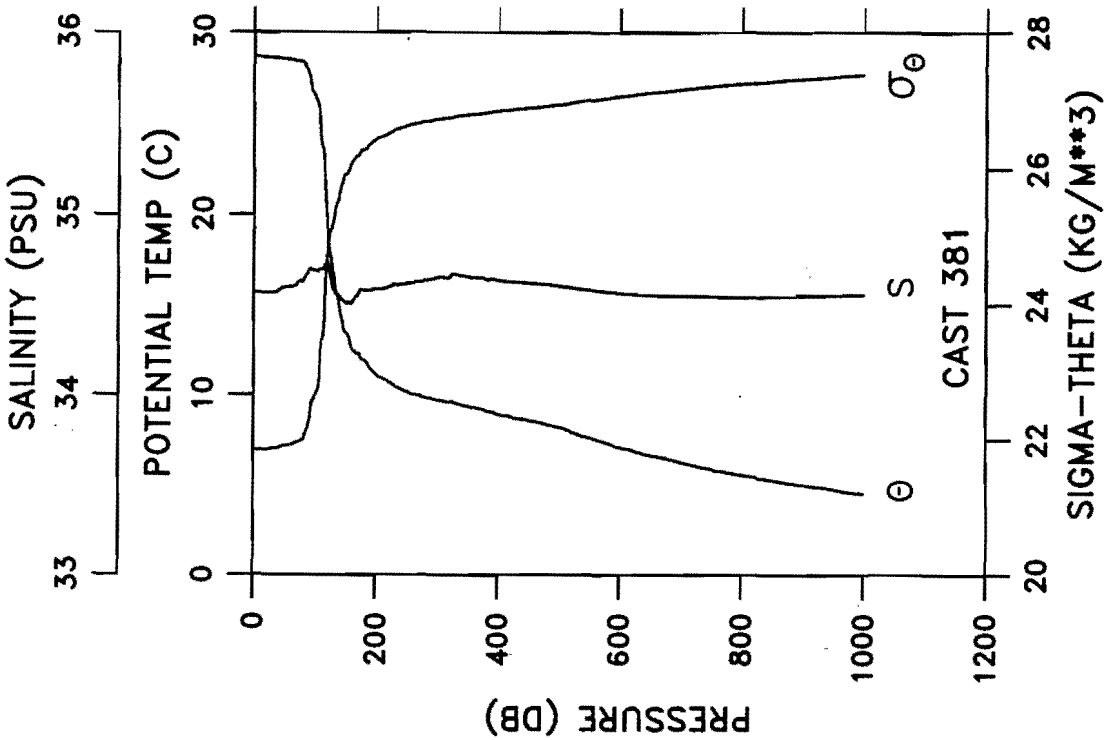
CAST GP4-98-KA-0361 DATE 24 JUL 98 TIME 1745 GMT
LAT 06 00.5N LONG 179 54.9W WEATHER 1 SEA STATE 5
BAROMETER 08 WIND DIR 090 T SPD 23 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 27.9 WET 25.0 DEPTH 5610 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.699	34.565	21.840	0.000
10	28.693	34.562	21.839	0.060
20	28.700	34.566	21.840	0.119
30	28.697	34.564	21.840	0.179
40	28.690	34.562	21.841	0.239
50	28.692	34.562	21.840	0.299
60	28.736	34.601	21.855	0.359
70	28.691	34.637	21.896	0.418
80	28.578	34.683	21.969	0.477
90	28.457	34.748	22.058	0.536
100	28.339	34.825	22.154	0.593
110	27.732	34.849	22.370	0.650
120	24.798	34.759	23.222	0.700
130	20.236	34.817	24.561	0.742
140	17.608	34.755	25.182	0.773
150	16.851	34.752	25.407	0.800
160	15.194	34.667	25.674	0.825
170	13.960	34.626	25.907	0.847
180	13.147	34.592	26.048	0.868
190	12.507	34.586	26.170	0.887
200	11.537	34.596	26.363	0.905
250	10.149	34.630	26.638	0.984
300	9.336	34.643	26.785	1.053
350	8.938	34.641	26.847	1.117
400	8.501	34.627	26.905	1.179
450	8.081	34.602	26.950	1.239
500	7.725	34.593	26.995	1.297
550	7.402	34.580	27.032	1.354
600	7.039	34.573	27.077	1.409
650	6.597	34.560	27.127	1.461
700	6.108	34.548	27.182	1.512
750	5.740	34.544	27.225	1.559
800	5.398	34.545	27.268	1.605
900	4.816	34.551	27.341	1.692
1000	4.386	34.560	27.395	1.772
1002	4.385	34.559	27.395	1.774



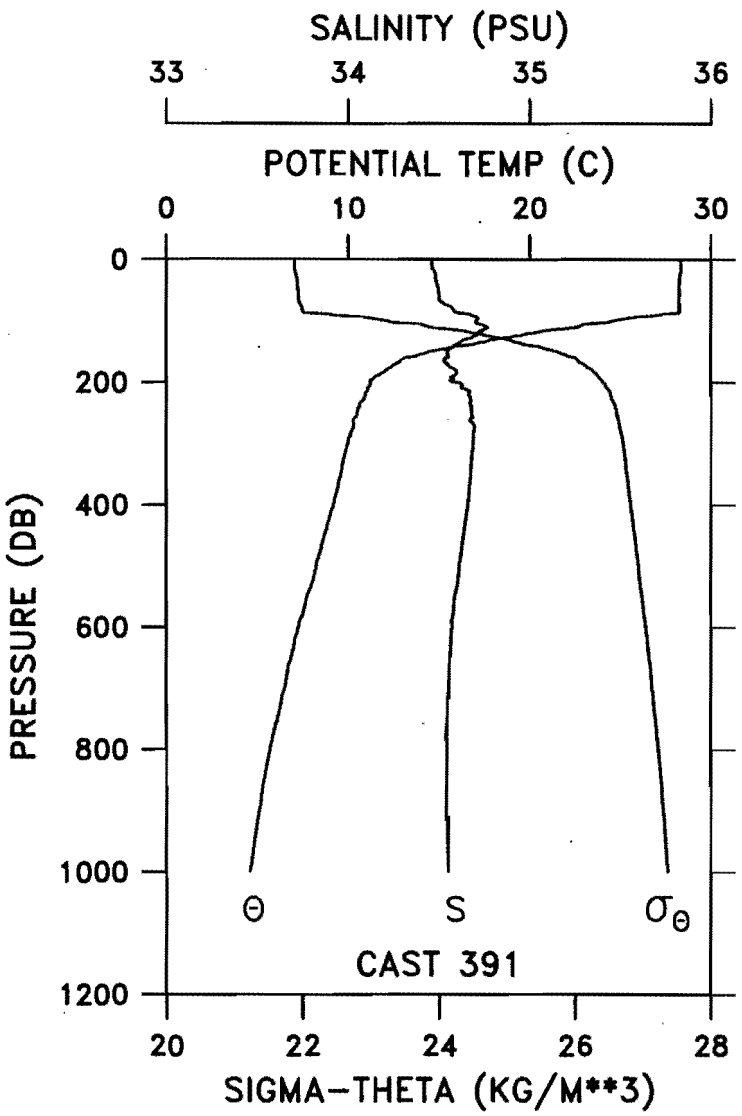
CAST GP4-98-KA-0371 DATE 25 JUL 98 TIME 0027 GMT
LAT 07 00.1N LONG 179 54.6W WEATHER 1 SEA STATE 5
BAROMETER 08 WIND DIR 120 T SPD 16 KT VISIBILITY 7
CLOUD 7 AMOUNT 6 DRY 28.5 WET 24.5 DEPTH 5697 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.604	34.443	21.779	0.000
10	28.605	34.441	21.778	0.060
20	28.622	34.458	21.785	0.121
30	28.690	34.548	21.830	0.181
40	28.710	34.597	21.860	0.240
50	28.700	34.596	21.862	0.300
60	28.689	34.597	21.867	0.360
70	28.674	34.608	21.880	0.419
80	28.532	34.645	21.955	0.479
90	28.390	34.647	22.003	0.537
100	27.881	34.698	22.208	0.595
110	27.119	34.679	22.440	0.651
120	23.985	34.762	23.467	0.703
130	20.373	34.789	24.503	0.741
140	18.220	34.781	25.051	0.774
150	17.408	34.736	25.215	0.803
160	15.602	34.676	25.589	0.829
170	14.480	34.643	25.810	0.852
180	13.356	34.602	26.014	0.873
190	12.817	34.586	26.109	0.893
200	12.679	34.583	26.135	0.913
250	10.576	34.613	26.550	0.997
300	9.760	34.653	26.722	1.069
350	9.422	34.658	26.782	1.136
400	9.045	34.642	26.831	1.202
450	8.682	34.627	26.877	1.266
500	8.191	34.601	26.932	1.327
550	7.656	34.582	26.996	1.386
600	7.135	34.564	27.057	1.442
650	6.625	34.554	27.119	1.496
700	6.212	34.549	27.169	1.546
750	5.725	34.546	27.229	1.594
800	5.363	34.546	27.273	1.640
900	4.896	34.549	27.330	1.727
1000	4.461	34.557	27.384	1.809
1005	4.451	34.557	27.386	1.812



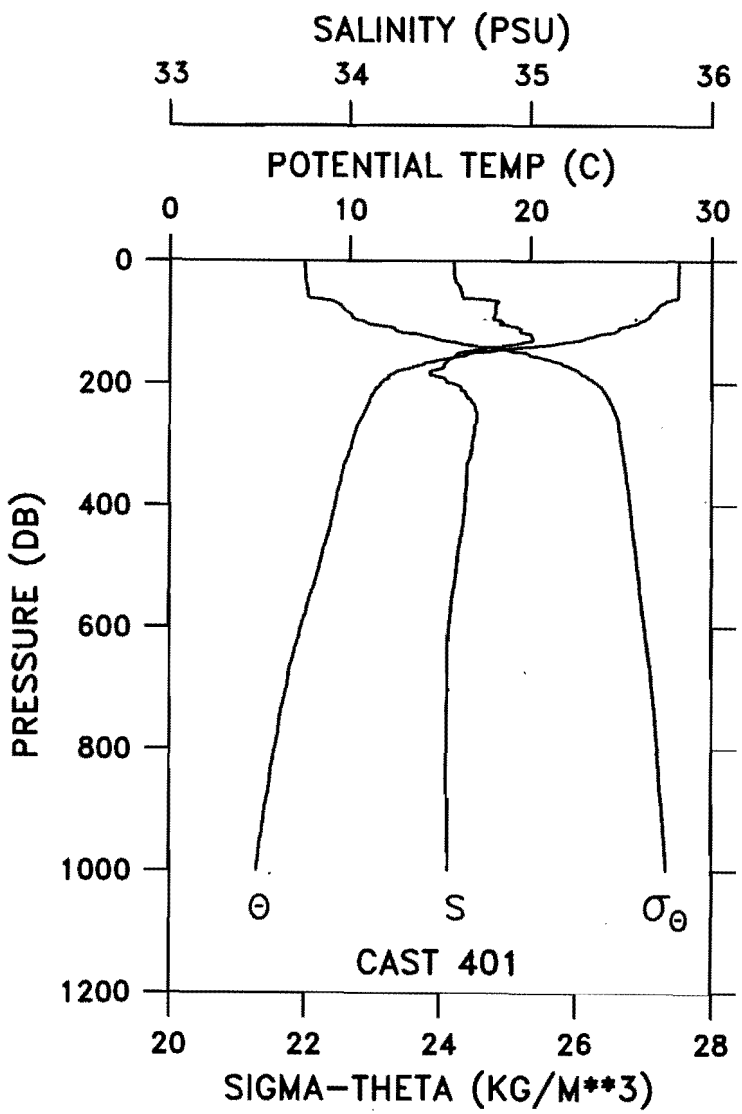
CAST GP4-98-KA-0381 DATE 25 JUL 98 TIME 0719 GMT
LAT 08 01.8N LONG 179 54.3W WEATHER 1 SEA STATE 5
BAROMETER 09 WIND DIR 100 T SPD 12 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 28.1 WET 24.9 DEPTH 5975 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.679	34.569	21.849	0.000
10	28.675	34.568	21.850	0.060
20	28.650	34.568	21.858	0.119
30	28.613	34.568	21.870	0.179
40	28.597	34.573	21.880	0.238
50	28.546	34.595	21.913	0.297
60	28.516	34.599	21.926	0.357
70	28.424	34.605	21.961	0.416
80	28.348	34.624	22.000	0.474
90	27.719	34.688	22.254	0.532
100	26.483	34.688	22.649	0.586
110	23.981	34.696	23.419	0.636
120	19.285	34.713	24.730	0.676
130	16.670	34.580	25.271	0.705
140	14.794	34.546	25.668	0.731
150	13.478	34.509	25.916	0.753
160	12.568	34.507	26.097	0.774
170	12.283	34.550	26.186	0.792
180	11.921	34.579	26.277	0.811
190	11.460	34.580	26.364	0.828
200	11.101	34.587	26.436	0.845
250	10.149	34.617	26.628	0.922
300	9.717	34.649	26.726	0.992
350	9.352	34.654	26.790	1.060
400	8.904	34.633	26.847	1.125
450	8.570	34.619	26.888	1.188
500	8.185	34.602	26.934	1.249
550	7.610	34.581	27.002	1.308
600	7.089	34.564	27.063	1.364
650	6.643	34.552	27.115	1.417
700	6.233	34.547	27.165	1.468
750	5.860	34.542	27.208	1.517
800	5.545	34.540	27.246	1.564
900	4.976	34.548	27.320	1.652
1000	4.496	34.557	27.381	1.735
1008	4.450	34.556	27.385	1.741



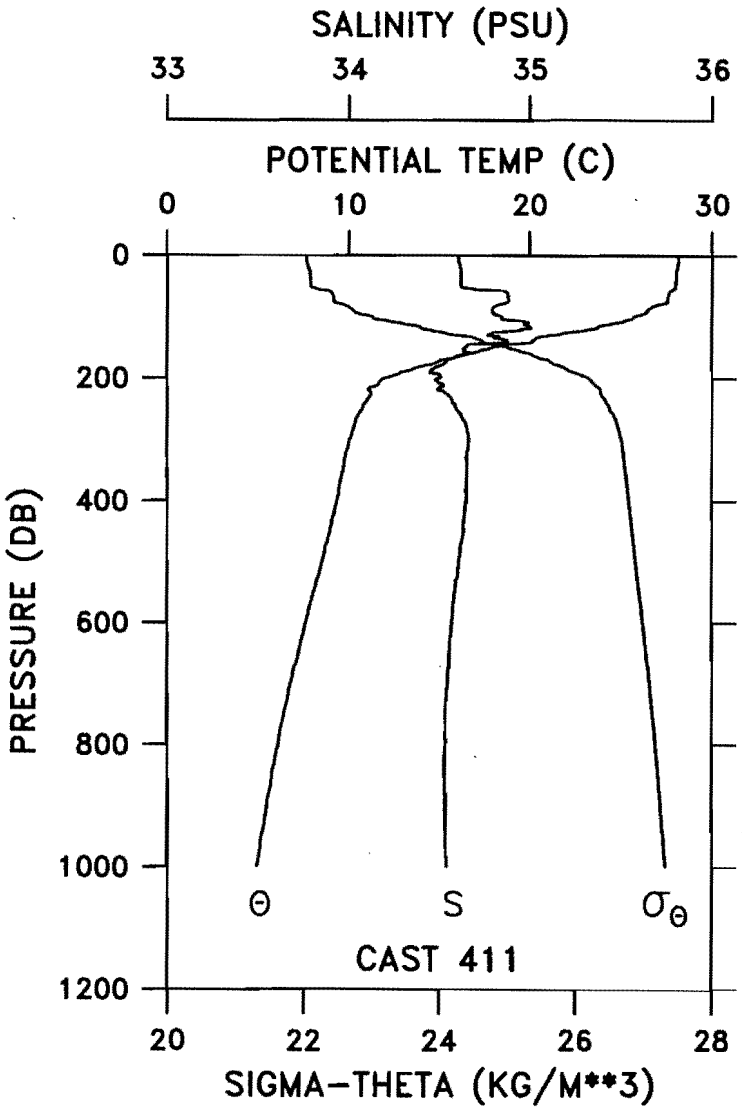
CAST GP4-98-KA-0391 DATE 25 JUL 98 TIME 1417 GMT
LAT 08 59.9N LONG 179 54.9W WEATHER 8 SEA STATE 5
BAROMETER 11 WIND DIR 100 T SPD 12 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 26.0 WET 24.0 DEPTH 5870 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.329	34.463	21.885	0.000
10	28.329	34.463	21.885	0.059
20	28.326	34.477	21.897	0.118
30	28.265	34.482	21.921	0.178
40	28.252	34.490	21.931	0.237
50	28.255	34.497	21.936	0.296
60	28.241	34.501	21.942	0.355
70	28.235	34.518	21.957	0.413
80	28.254	34.576	21.995	0.472
90	27.206	34.673	22.408	0.530
100	24.579	34.703	23.246	0.580
110	22.626	34.764	23.863	0.623
120	19.974	34.725	24.560	0.660
130	18.013	34.643	24.996	0.692
140	16.305	34.582	25.357	0.721
150	14.427	34.542	25.744	0.745
160	13.115	34.540	26.014	0.767
170	12.625	34.546	26.116	0.787
180	12.129	34.594	26.249	0.806
190	11.533	34.573	26.346	0.823
200	11.271	34.600	26.415	0.840
250	10.495	34.678	26.615	0.917
300	9.980	34.687	26.712	0.989
350	9.616	34.674	26.762	1.057
400	9.200	34.657	26.818	1.123
450	8.695	34.633	26.880	1.187
500	8.248	34.612	26.932	1.249
550	7.741	34.585	26.987	1.308
600	7.271	34.571	27.044	1.365
650	6.871	34.561	27.091	1.420
700	6.513	34.553	27.133	1.472
750	6.091	34.545	27.182	1.522
800	5.697	34.539	27.227	1.571
900	5.102	34.545	27.302	1.661
1000	4.590	34.553	27.367	1.746
1003	4.564	34.552	27.370	1.748



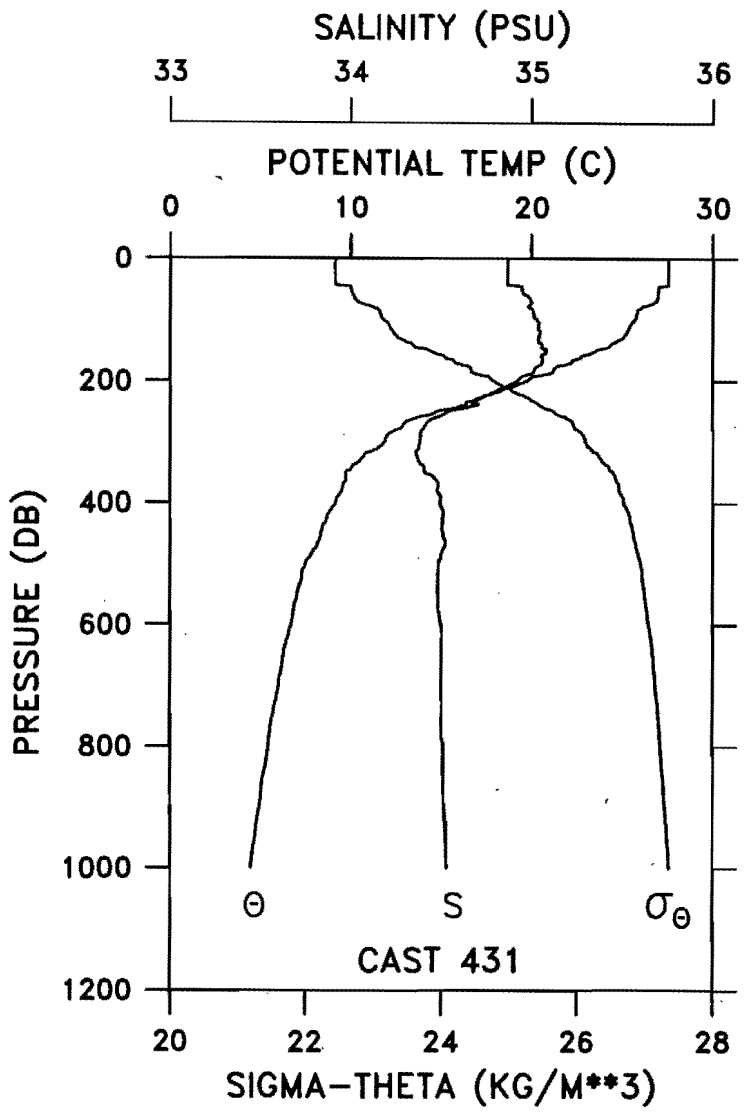
CAST GP4-98-KA-0401 DATE 25 JUL 98 TIME 2132 GMT
LAT 09 59.6N LONG 179 54.8W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 070 T SPD 09 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.5 WET 25.0 DEPTH 6243 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.220	34.579	22.008	0.000
10	28.215	34.578	22.009	0.058
20	28.201	34.580	22.015	0.116
30	28.196	34.583	22.019	0.174
40	28.192	34.605	22.037	0.232
50	28.190	34.618	22.048	0.290
60	28.141	34.629	22.072	0.348
70	27.272	34.809	22.489	0.403
80	26.963	34.807	22.586	0.457
90	26.584	34.803	22.703	0.509
100	26.053	34.843	22.900	0.560
110	24.884	34.937	23.331	0.608
120	23.830	35.005	23.697	0.653
130	22.712	35.009	24.024	0.694
140	20.165	34.832	24.592	0.731
150	16.880	34.619	25.251	0.761
160	15.420	34.557	25.538	0.788
170	14.037	34.523	25.811	0.811
180	12.659	34.453	26.038	0.832
190	12.153	34.501	26.173	0.852
200	11.718	34.564	26.304	0.870
250	10.777	34.704	26.586	0.950
300	10.134	34.679	26.679	1.023
350	9.574	34.649	26.750	1.092
400	9.201	34.640	26.804	1.159
450	8.815	34.618	26.849	1.224
500	8.321	34.592	26.905	1.287
550	7.808	34.570	26.965	1.348
600	7.308	34.552	27.023	1.406
650	6.852	34.543	27.079	1.461
700	6.521	34.545	27.126	1.514
750	6.112	34.541	27.176	1.564
800	5.818	34.538	27.211	1.613
900	5.284	34.543	27.280	1.707
1000	4.822	34.546	27.336	1.794
1011	4.762	34.544	27.341	1.803



CAST GP4-98-KA-0411 DATE 26 JUL 98 TIME 0450 GMT
LAT 10 59.8N LONG 179 55.0W WEATHER 1 SEA STATE 4
BAROMETER 10 WIND DIR 065 T SPD 12 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 29.3 WET 25.8 DEPTH 5752 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.172	34.609	22.046	0.000
10	28.167	34.610	22.049	0.058
20	28.102	34.618	22.076	0.115
30	28.039	34.621	22.099	0.173
40	28.031	34.621	22.102	0.230
50	28.024	34.622	22.105	0.287
60	27.646	34.875	22.418	0.343
70	27.576	34.881	22.446	0.398
80	26.960	34.823	22.599	0.452
90	26.452	34.794	22.739	0.504
100	25.679	34.847	23.020	0.554
110	24.617	34.984	23.447	0.601
120	23.302	34.948	23.809	0.644
130	20.998	34.770	24.321	0.683
140	20.142	34.877	24.632	0.718
150	17.915	34.641	25.019	0.749
160	16.561	34.645	25.346	0.778
170	15.051	34.546	25.612	0.804
180	14.053	34.497	25.788	0.827
190	12.883	34.446	25.988	0.849
200	11.952	34.489	26.202	0.868
250	10.751	34.596	26.506	0.953
300	10.036	34.664	26.684	1.027
350	9.703	34.656	26.734	1.097
400	9.347	34.650	26.788	1.164
450	8.966	34.637	26.839	1.230
500	8.534	34.610	26.886	1.294
550	8.042	34.587	26.943	1.355
600	7.626	34.571	26.992	1.415
650	7.220	34.557	27.040	1.472
700	6.767	34.548	27.095	1.526
750	6.396	34.536	27.135	1.579
800	6.089	34.538	27.177	1.630
900	5.444	34.534	27.254	1.726
1000	4.866	34.543	27.329	1.815
1006	4.826	34.542	27.333	1.821



CAST GP4-98-KA-0431 DATE 27 JUL 98 TIME 1926 GMT
LAT 13 32.6N LONG 176 26.4W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 068 T SPD 14 KT VISIBILITY 7
CLOUD 7 AMOUNT 2 DRY 27.0 WET 23.0 DEPTH 5212 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.562	34.870	22.442	0.000
10	27.569	34.867	22.437	0.054
20	27.568	34.868	22.438	0.108
30	27.566	34.869	22.439	0.162
40	27.562	34.869	22.440	0.216
50	27.016	34.947	22.675	0.269
60	26.977	34.973	22.707	0.321
70	26.855	35.000	22.766	0.372
80	26.044	34.992	23.016	0.422
90	25.804	35.012	23.105	0.470
100	25.668	35.032	23.162	0.518
110	25.415	35.040	23.247	0.565
120	25.270	35.049	23.298	0.612
130	25.018	35.040	23.368	0.658
140	24.379	35.058	23.574	0.702
150	23.573	35.073	23.824	0.745
160	22.738	35.054	24.052	0.785
170	22.192	35.059	24.210	0.824
180	21.257	35.018	24.439	0.860
190	20.649	34.975	24.571	0.895
200	19.763	34.922	24.765	0.928
250	14.761	34.540	25.670	1.070
300	11.910	34.384	26.129	1.175
350	9.747	34.412	26.536	1.263
400	9.186	34.496	26.694	1.337
450	8.374	34.512	26.835	1.405
500	7.513	34.490	26.945	1.467
550	7.063	34.484	27.003	1.525
600	6.734	34.501	27.062	1.580
650	6.305	34.505	27.123	1.633
700	6.029	34.504	27.157	1.684
750	5.695	34.505	27.200	1.733
800	5.464	34.513	27.234	1.780
900	4.955	34.519	27.299	1.870
1000	4.495	34.533	27.362	1.954
1500	2.892	34.587	27.566	2.314
2000	2.089	34.626	27.665	2.597
2500	1.673	34.652	27.719	2.847
3000	1.420	34.669	27.750	3.080
3500	1.237	34.678	27.771	3.304
4000	1.116	34.687	27.786	3.524
4006	1.117	34.686	27.786	3.527

CAST GP4-98-KA-0011 LAT 08 00.9N LONG 165 03.2E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.614	34.248	28.613	21.689
10.	28.705	34.430	28.702	21.746
26.	28.810	34.556	28.804	21.799
40.	28.809	34.556	28.800	21.800
59.	28.761	34.599	28.747	21.851
101.	28.555	34.780	28.531	22.051
151.	21.202	34.752	21.173	24.251
200.	13.614	34.524	13.586	25.902
400.	8.958	34.620	8.915	26.835
601.	6.945	34.547	6.888	27.078
801.	5.587	34.560	5.518	27.247
1007.	4.642	34.551	4.561	27.370

CAST GP4-98-KA-0021 LAT 06 59.9N LONG 165 00.6E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	28.709	34.442	28.707	21.741
25.	28.888	34.554	28.882	21.770
59.	28.826	34.571	28.812	21.807
101.	28.692	34.649	28.668	21.910
150.	21.841	34.748	21.812	24.075
200.	13.284	34.551	13.257	25.991
400.	8.873	34.620	8.830	26.848
600.	7.325	34.562	7.266	27.036
800.	5.753	34.542	5.683	27.229
1004.	4.635	34.551	4.554	27.370

CAST GP4-98-KA-0031 LAT 06 00.1N LONG 165 00.9E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.896	34.590	28.895	21.793
10.	28.892	34.588	28.889	21.794
25.	28.907	34.591	28.902	21.791
40.	28.963	34.680	28.953	21.842
61.	28.717	34.740	28.702	21.977
101.	28.402	34.812	28.378	22.129
150.	21.223	34.791	21.194	24.281
199.	12.923	34.541	12.896	26.057
399.	8.592	34.616	8.550	26.889
600.	7.159	34.565	7.101	27.062
800.	5.846	34.539	5.775	27.216
1003.	4.631	34.553	4.550	27.371

CAST GP4-98-KA-0041 LAT 05 00.9N LONG 165 00.0E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.951	34.690	28.951	21.851
10.	28.960	34.689	28.957	21.847
25.	28.916	34.697	28.910	21.868
39.	28.870	34.697	28.860	21.886
61.	28.827	34.713	28.812	21.913
100.	28.272	34.806	28.248	22.166
149.	19.921	34.785	19.894	24.620
199.	12.979	34.541	12.951	26.043
400.	8.544	34.613	8.502	26.895
600.	7.069	34.564	7.011	27.074
799.	5.633	34.541	5.563	27.245
1010.	4.390	34.556	4.310	27.402

CAST GP4-98-KA-0051 LAT 03 59.9N LONG 164 58.9E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	28.944	34.681	28.942	21.848
25.	28.868	34.728	28.861	21.910
40.	28.714	34.804	28.704	22.018
61.	28.665	34.801	28.651	22.033
100.	24.931	34.752	24.909	23.184
149.	20.207	34.903	20.179	24.640
200.	12.215	34.506	12.189	26.170
400.	8.535	34.621	8.493	26.900
601.	6.940	34.561	6.883	27.090
801.	5.464	34.542	5.396	27.264
1003.	4.591	34.552	4.511	27.375

CAST GP4-98-KA-0061 LAT 03 00.3N LONG 164 56.4E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.014	34.565	29.013	21.734
10.	28.935	34.561	28.932	21.760
25.	28.933	34.562	28.927	21.761
40.	28.929	34.566	28.920	21.767
59.	28.900	34.578	28.886	21.788
100.	26.129	34.749	26.107	22.795
150.	17.489	34.755	17.464	25.210
200.	11.691	34.509	11.665	26.263
399.	8.578	34.605	8.535	26.881
600.	6.646	34.552	6.590	27.122
799.	5.327	34.542	5.260	27.282
1006.	4.397	34.555	4.318	27.399

CAST GP4-98-KA-0071 LAT 01 59.4N LONG 164 56.3E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.183	34.820	29.182	21.870
10.	28.736	34.812	28.733	22.014
25.	28.683	34.828	28.677	22.045
40.	28.643	34.853	28.634	22.077
60.	28.572	34.833	28.558	22.089
101.	26.777	34.854	26.754	22.686
150.	13.589	34.542	13.568	25.925
201.	11.982	34.853	11.955	26.480
401.	9.676	34.692	9.630	26.775
600.	7.105	34.557	7.047	27.064
801.	5.453	34.541	5.384	27.266
1007.	4.432	34.555	4.352	27.396

CAST GP4-98-KA-0081 LAT 00 59.7N LONG 164 59.6E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.850	34.903	28.849	22.045
11.	28.831	34.902	28.829	22.050
25.	28.735	34.899	28.728	22.081
41.	28.705	34.897	28.695	22.091
61.	28.674	34.895	28.659	22.101
100.	25.223	34.804	25.202	23.127
150.	17.244	34.924	17.219	25.396
200.	13.617	34.900	13.589	26.202
400.	9.325	34.672	9.280	26.817
799.	5.433	34.536	5.365	27.264
1003.	4.382	34.553	4.303	27.399

CAST GP4-98-KA-0091 LAT 00 00.9N LONG 164 59.9E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1.	28.857	34.855	28.856	22.006
10.	28.825	34.854	28.823	22.016
25.	28.679	34.848	28.673	22.062
39.	28.588	34.840	28.579	22.086
58.	28.391	34.829	28.377	22.142
99.	25.168	35.282	25.147	23.514
150.	18.172	35.007	18.146	25.493
200.	13.993	35.007	13.964	26.196
400.	9.300	34.679	9.256	26.826
601.	6.981	34.565	6.924	27.086
800.	5.397	34.537	5.329	27.270
1009.	4.358	34.554	4.278	27.402

CAST GP4-98-KA-0101 LAT 01 00.3S LONG 164 44.2E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.971	34.791	28.971	21.920
10.	28.975	34.792	28.972	21.919
25.	28.908	34.793	28.902	21.944
40.	28.865	34.806	28.855	21.969
60.	28.049	34.981	28.035	22.373
101.	25.187	35.525	25.165	23.691
150.	16.148	35.233	16.124	25.898
200.	13.502	34.976	13.473	26.273
400.	9.553	34.698	9.507	26.800
600.	6.916	34.557	6.859	27.090
800.	5.391	34.533	5.323	27.268
1004.	4.400	34.551	4.321	27.395

CAST GP4-98-KA-0111 LAT 01 55.8S LONG 164 25.0E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	29.476	34.465	29.475	21.505
10.	29.468	34.463	29.465	21.507
25.	29.425	34.509	29.419	21.557
41.	29.045	34.706	29.035	21.834
60.	28.988	34.732	28.974	21.874
102.	25.016	35.618	24.994	23.809
150.	17.349	35.440	17.323	25.772
200.	13.722	35.083	13.694	26.315
400.	9.636	34.702	9.591	26.790
601.	6.805	34.554	6.749	27.102
800.	5.202	34.527	5.135	27.285
1009.	4.304	34.554	4.225	27.409

CAST GP4-98-KA-0121 LAT 02 59.5S LONG 164 41.7E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	29.306	34.090	29.306	21.281
10.	29.363	34.131	29.361	21.302
25.	29.378	34.148	29.372	21.305
39.	29.388	34.156	29.379	21.306
58.	29.401	34.167	29.387	21.317
100.	26.174	35.391	26.152	23.301
149.	20.872	35.733	20.844	25.094
201.	15.896	35.292	15.865	26.003
401.	9.043	34.702	9.000	26.863
601.	7.128	34.565	7.070	27.067
801.	5.447	34.536	5.378	27.265
1014.	4.360	34.546	4.280	27.397

CAST GP4-98-KA-0131 LAT 03 59.9S LONG 164 56.9E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	29.265	34.148	29.263	21.339
26.	29.257	34.147	29.251	21.343
40.	29.255	34.147	29.246	21.344
61.	29.312	34.530	29.297	21.657
102.	27.403	35.152	27.379	22.718
150.	19.632	35.645	19.605	25.351
199.	14.377	35.148	14.347	26.225
299.	10.227	32.800	10.192	26.733
400.	8.880	34.665	8.836	26.883
601.	6.560	34.559	6.504	27.139
800.	5.183	34.537	5.117	27.294
1003.	4.270	34.549	4.192	27.408

CAST GP4-98-KA-0141 LAT 05 01.5S LONG 165 11.3E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.213	34.231	29.213	21.419
11.	29.216	34.231	29.213	21.418
25.	29.177	34.243	29.171	21.441
40.	29.179	34.247	29.169	21.445
61.	29.111	34.455	29.096	21.638
101.	26.234	35.396	26.211	23.263
150.	20.292	35.668	20.264	25.206
200.	14.149	35.140	14.119	26.262
400.	9.011	34.671	8.967	26.866
599.	7.005	34.571	6.948	27.088
801.	5.637	34.519	5.567	27.226
1004.	4.633	34.530	4.552	27.354

CAST GP4-98-KA-0151 LAT 06 00.0S LONG 165 05.0E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	29.065	34.213	29.064	21.455
15.	29.068	34.215	29.065	21.455
25.	29.080	34.214	29.074	21.452
41.	29.079	34.211	29.069	21.452
60.	28.958	34.444	28.943	21.724
100.	25.781	35.438	25.759	23.447
151.	20.000	35.658	19.972	25.271
201.	14.275	35.145	14.246	26.245
400.	8.920	34.663	8.877	26.876
600.	6.696	34.536	6.640	27.102
800.	5.473	34.520	5.404	27.247
1001.	4.311	34.542	4.233	27.397

CAST GP4-98-KA-0161 LAT 06 59.9S LONG 164 58.0E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
26.	29.001	34.285	28.995	21.531
41.	28.830	34.286	28.820	21.708
59.	28.099	34.782	28.085	22.207
98.	25.178	35.535	25.157	23.719
151.	20.386	35.688	20.358	25.190
200.	16.944	35.395	16.911	25.836
399.	8.243	34.621	8.201	26.945
600.	6.252	34.521	6.198	27.149
799.	5.149	34.517	5.083	27.283
1003.	4.377	34.539	4.298	27.388

CAST GP4-98-KA-0171 LAT 08 02.2S LONG 164 49.1E

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.709	34.230	28.709	21.585
10.	28.698	34.230	28.696	21.590
24.	28.579	34.252	28.574	21.650
41.	28.498	34.525	28.488	21.881
61.	27.816	34.868	27.802	22.365
100.	25.192	35.473	25.170	23.655
150.	21.015	35.703	20.986	25.038
202.	16.559	35.368	16.526	25.908
399.	7.993	34.602	7.952	26.968
600.	6.309	34.524	6.255	27.143
800.	5.074	34.505	5.008	27.282
1002.	4.187	34.527	4.110	27.398

CAST GP4-98-KA-0181 LAT 07 57.1S LONG 179 59.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.808	34.027	28.807	21.400
11.	28.830	34.028	28.827	21.394
26.	28.834	34.028	28.827	21.394
41.	28.836	34.047	28.826	21.395
61.	28.264	35.403	28.250	22.684
100.	24.978	35.969	24.956	24.090
151.	20.866	35.854	20.837	25.185
201.	17.037	35.418	17.004	25.832
401.	8.502	34.639	8.460	26.921
800.	5.307	34.524	5.240	27.270
1000.	4.357	34.540	4.279	27.390

CAST GP4-98-KA-0191 LAT 06 59.8S LONG 179 55.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	29.388	34.165	29.388	21.310
11.	29.353	34.165	29.351	21.322
25.	29.317	34.164	29.311	21.334
39.	29.310	34.163	29.301	21.337
61.	28.922	34.848	28.907	21.965
100.	25.940	35.855	25.918	23.706
150.	21.444	35.913	21.414	25.076
200.	17.629	35.487	17.596	25.745
401.	8.600	34.648	8.557	26.911
599.	6.262	34.530	6.208	27.154
801.	5.148	34.534	5.082	27.297
1003.	4.229	34.547	4.151	27.411

CAST GP4-98-KA-0201 LAT 05 59.8S LONG 179 57.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.413	34.270	29.412	21.381
12.	29.416	34.270	29.413	21.380
26.	29.417	34.270	29.410	21.381
41.	29.417	34.269	29.408	21.381
62.	29.414	34.308	29.399	21.435
102.	26.995	35.882	26.972	23.426
150.	22.046	35.956	22.016	24.941
201.	16.271	35.348	16.238	25.955
399.	8.969	34.670	8.925	26.871
801.	5.225	34.533	5.158	27.287
1003.	4.222	34.547	4.144	27.412

CAST GP4-98-KA-0211 LAT 05 03.3S LONG 179 58.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	29.328	34.145	29.327	21.315
11.	29.336	34.144	29.334	21.312
26.	29.337	34.144	29.330	21.313
40.	29.340	34.144	29.330	21.312
61.	29.385	34.161	29.370	21.323
101.	27.460	35.758	27.436	23.148
148.	21.998	35.976	21.969	24.969
201.	14.789	35.176	14.759	26.157
400.	9.207	34.688	9.162	26.849
601.	7.194	34.576	7.135	27.066
800.	5.496	34.528	5.427	27.251
1001.	4.298	34.544	4.220	27.399

CAST GP4-98-KA-0221 LAT 03 59.7S LONG 179 53.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.358	34.217	29.357	21.360
10.	29.364	34.217	29.361	21.358
27.	29.368	34.217	29.362	21.358
43.	29.367	34.221	29.357	21.363
61.	29.361	34.629	29.346	21.680
100.	29.080	35.005	29.056	22.064
149.	21.811	35.885	21.782	24.942
200.	13.602	35.058	13.574	26.322
400.	8.811	34.665	8.768	26.894
601.	6.470	34.564	6.415	27.156
800.	5.088	34.535	5.021	27.305
1007.	4.376	34.546	4.297	27.395

CAST GP4-98-KA-0231 LAT 03 00.3S LONG 179 54.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.043	35.011	29.042	22.060
11.	29.043	35.011	29.041	22.060
25.	29.039	35.018	29.033	22.070
40.	29.010	35.037	29.000	22.095
61.	28.870	35.083	28.856	22.177
100.	28.206	35.598	28.182	22.621
151.	18.379	35.571	18.352	25.614
200.	13.726	35.081	13.698	26.306
400.	8.842	34.664	8.799	26.887
600.	6.560	34.570	6.505	27.146
802.	5.126	34.542	5.060	27.306
1007.	4.279	34.549	4.201	27.407

CAST GP4-98-KA-0241 LAT 01 59.6S LONG 179 51.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	29.031	34.852	29.030	21.946
10.	28.956	34.850	28.954	21.970
24.	28.815	34.894	28.809	22.052
41.	28.661	34.934	28.651	22.134
60.	28.578	34.937	28.564	22.165
101.	24.996	35.937	24.974	24.055
151.	17.229	35.413	17.204	25.781
201.	13.698	35.083	13.669	26.320
501.	7.669	34.600	7.619	27.016
601.	6.687	34.563	6.631	27.125
803.	5.074	34.542	5.008	27.312
1005.	4.098	34.560	4.021	27.434

CAST GP4-98-KA-0251 LAT 01 29.5S LONG 179 50.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.326	34.952	28.326	22.254
11.	28.316	34.951	28.314	22.258
25.	28.193	34.951	28.187	22.299
40.	28.143	34.954	28.133	22.319
59.	28.001	34.958	27.987	22.370
99.	25.691	35.813	25.669	23.745
151.	17.435	35.342	17.410	25.678
200.	13.656	35.061	13.628	26.304
401.	9.601	34.707	9.555	26.797
601.	6.951	34.567	6.893	27.094
800.	5.276	34.539	5.209	27.285
1005.	4.176	34.559	4.098	27.425

CAST GP4-98-KA-0261 LAT 00 59.8S LONG 179 51.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	27.841	35.014	27.841	22.461
11.	27.833	35.015	27.830	22.463
26.	27.788	35.012	27.782	22.477
40.	27.696	35.012	27.687	22.508
60.	27.577	35.014	27.563	22.549
101.	24.854	35.530	24.832	23.793
149.	18.254	35.391	18.229	25.506
200.	14.774	35.076	14.745	26.087
401.	9.169	34.670	9.125	26.840
600.	6.835	34.562	6.778	27.106
802.	5.259	34.539	5.192	27.287
1006.	4.266	34.556	4.188	27.413

CAST GP4-98-KA-0271 LAT 00 30.0S LONG 179 51.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	27.523	35.015	27.522	22.564
11.	27.528	35.015	27.526	22.563
25.	27.528	35.014	27.522	22.564
40.	27.520	35.015	27.510	22.567
60.	27.374	35.023	27.360	22.621
101.	24.583	35.451	24.562	23.820
151.	17.841	35.297	17.815	25.545
200.	14.244	34.990	14.215	26.133
400.	9.092	34.663	9.048	26.848
599.	6.987	34.567	6.930	27.088
801.	5.132	34.536	5.065	27.300
1002.	4.286	34.554	4.208	27.410

CAST GP4-98-KA-0281 LAT 00 00.8N LONG 179 51.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	27.384	34.999	27.383	22.597
10.	27.400	34.998	27.397	22.592
25.	27.403	34.999	27.397	22.592
40.	27.324	34.998	27.315	22.618
60.	26.968	35.012	26.955	22.742
100.	22.601	35.608	22.581	24.517
150.	17.279	35.212	17.254	25.616
202.	13.700	34.919	13.671	26.191
400.	9.002	34.659	8.958	26.858
600.	6.892	34.563	6.835	27.098
799.	5.424	34.538	5.356	27.267
1002.	4.336	34.556	4.258	27.405

CAST GP4-98-KA-0291 LAT 00 30.0N LONG 179 50.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	27.418	34.943	27.418	22.543
10.	27.396	34.941	27.393	22.550
26.	27.366	34.940	27.361	22.560
41.	27.299	34.941	27.290	22.582
60.	26.735	34.958	26.722	22.776
101.	22.295	35.446	22.274	24.480
149.	17.632	35.122	17.607	25.457
203.	13.073	34.764	13.045	26.182
401.	9.814	34.702	9.768	26.760
601.	7.185	34.571	7.127	27.063
801.	5.238	34.540	5.170	27.292
1004.	4.070	34.563	3.993	27.440

CAST GP4-98-KA-0301 LAT 01 00.0N LONG 179 49.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	27.899	34.883	27.898	22.343
10.	27.779	34.880	27.777	22.380
24.	27.710	34.878	27.704	22.402
59.	26.372	34.890	26.359	22.836
100.	22.051	35.008	22.031	24.166
150.	16.477	34.816	16.453	25.484
200.	13.247	34.787	13.219	26.185
399.	9.734	34.700	9.688	26.771
602.	6.946	34.568	6.888	27.095
800.	5.155	34.542	5.089	27.302
1004.	3.968	34.565	3.892	27.451

CAST GP4-98-KA-0311 LAT 01 30.0N LONG 179 51.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1.	27.961	34.893	27.960	22.330
10.	27.945	34.892	27.942	22.333
26.	27.837	34.886	27.831	22.367
41.	27.823	34.886	27.814	22.372
62.	27.174	34.829	27.160	22.533
100.	21.654	34.824	21.634	24.186
151.	15.775	34.703	15.751	25.580
201.	12.887	34.767	12.859	26.284
401.	9.641	34.690	9.595	26.775
600.	6.838	34.564	6.781	27.106
800.	5.097	34.543	5.031	27.309
1006.	4.040	34.565	3.963	27.444

CAST GP4-98-KA-0321 LAT 02 00.2N LONG 179 44.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	28.134	34.854	28.131	22.243
24.	27.989	34.905	27.983	22.332
39.	27.737	34.934	27.728	22.435
61.	27.633	34.908	27.619	22.449
100.	22.106	34.901	22.086	24.118
150.	14.775	34.880	14.752	25.940
200.	12.896	34.888	12.869	26.332
401.	9.644	34.693	9.598	26.778
600.	6.577	34.559	6.522	27.135
799.	5.042	34.547	4.977	27.318
1001.	4.148	34.565	4.071	27.432

CAST GP4-98-KA-0331 LAT 03 00.0N LONG 179 49.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.615	34.646	28.614	21.928
9.	28.621	34.647	28.619	21.926
25.	28.619	34.647	28.613	21.929
39.	28.541	34.666	28.532	21.971
61.	28.191	34.762	28.177	22.164
101.	22.180	34.956	22.160	24.135
150.	15.359	34.677	15.336	25.636
201.	11.256	34.547	11.231	26.381
401.	8.554	34.622	8.511	26.899
601.	6.535	34.561	6.479	27.144
800.	5.206	34.548	5.139	27.299
1004.	4.230	34.564	4.152	27.422

CAST GP4-98-KA-0341 LAT 03 59.9N LONG 179 51.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.652	34.435	28.651	21.759
10.	28.690	34.461	28.688	21.774
25.	28.770	34.547	28.764	21.806
40.	28.778	34.587	28.768	21.833
61.	28.756	34.588	28.741	21.842
100.	28.243	34.794	28.219	22.171
149.	17.876	34.776	17.851	25.139
199.	12.146	34.579	12.120	26.241
401.	8.453	34.620	8.411	26.913
601.	6.424	34.560	6.369	27.158
799.	5.129	34.548	5.062	27.309
1001.	4.393	34.560	4.314	27.403

CAST GP4-98-KA-0351 LAT 05 00.1N LONG 179 55.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	28.721	34.492	28.720	21.778
10.	28.726	34.490	28.723	21.775
25.	28.738	34.495	28.732	21.777
40.	28.763	34.521	28.753	21.789
60.	28.770	34.554	28.756	21.813
100.	28.221	34.878	28.197	22.237
150.	16.243	34.709	16.219	25.472
201.	11.552	34.576	11.527	26.349
400.	8.605	34.631	8.562	26.898
599.	6.954	34.567	6.897	27.094
800.	5.427	34.544	5.359	27.272
1004.	4.421	34.562	4.341	27.402

CAST GP4-98-KA-0361 LAT 06 00.5N LONG 179 54.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	28.690	34.561	28.689	21.840
10.	28.694	34.562	28.691	21.839
25.	28.704	34.562	28.698	21.839
40.	28.717	34.567	28.707	21.841
61.	28.742	34.604	28.728	21.858
101.	28.327	34.833	28.303	22.159
151.	15.584	34.664	15.561	25.581
201.	11.381	34.592	11.356	26.394
402.	8.499	34.621	8.456	26.906
601.	7.121	34.572	7.063	27.073
799.	5.501	34.544	5.433	27.262
1000.	4.466	34.558	4.387	27.394

CAST GP4-98-KA-0371 LAT 07 00.1N LONG 179 54.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.615	34.445	28.614	21.778
10.	28.635	34.464	28.633	21.787
25.	28.704	34.552	28.698	21.835
41.	28.719	34.593	28.709	21.858
60.	28.699	34.598	28.684	21.869
101.	27.732	34.696	27.708	22.262
152.	18.075	34.737	18.049	25.057
200.	12.766	34.575	12.739	26.115
401.	9.075	34.637	9.031	26.830
602.	7.171	34.560	7.113	27.057
800.	5.479	34.543	5.411	27.265
1004.	4.534	34.555	4.454	27.385

CAST GP4-98-KA-0381 LAT 08 01.8N LONG 179 54.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.674	34.566	28.673	21.849
9.	28.670	34.565	28.668	21.851
25.	28.659	34.565	28.654	21.855
39.	28.569	34.584	28.560	21.904
60.	28.515	34.594	28.501	21.927
101.	26.397	34.677	26.374	22.669
150.	13.628	34.496	13.607	25.879
201.	11.068	34.574	11.043	26.439
399.	9.070	34.638	9.026	26.832
799.	5.625	34.539	5.556	27.245
1006.	4.546	34.556	4.466	27.384

CAST GP4-98-KA-0391 LAT 08 59.9N LONG 179 54.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.326	34.421	28.325	21.857
9.	28.334	34.430	28.332	21.878
24.	28.305	34.477	28.299	21.904
41.	28.271	34.483	28.262	21.923
60.	28.263	34.497	28.249	21.937
99.	25.203	34.694	25.181	23.050
148.	15.258	34.540	15.235	25.557
200.	11.213	34.607	11.188	26.438
402.	9.125	34.647	9.080	26.830
799.	5.769	34.536	5.699	27.225
1001.	4.661	34.550	4.580	27.367

CAST GP4-98-KA-0401 LAT 09 59.6N LONG 179 54.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.242	34.577	28.241	22.000
10.	28.213	34.577	28.211	22.010
24.	28.203	34.577	28.197	22.014
61.	27.291	34.819	27.277	22.492
100.	25.957	34.844	25.934	22.936
150.	16.581	34.567	16.556	25.287
202.	11.579	34.582	11.553	26.367
401.	9.236	34.634	9.192	26.802
800.	5.927	34.536	5.856	27.205

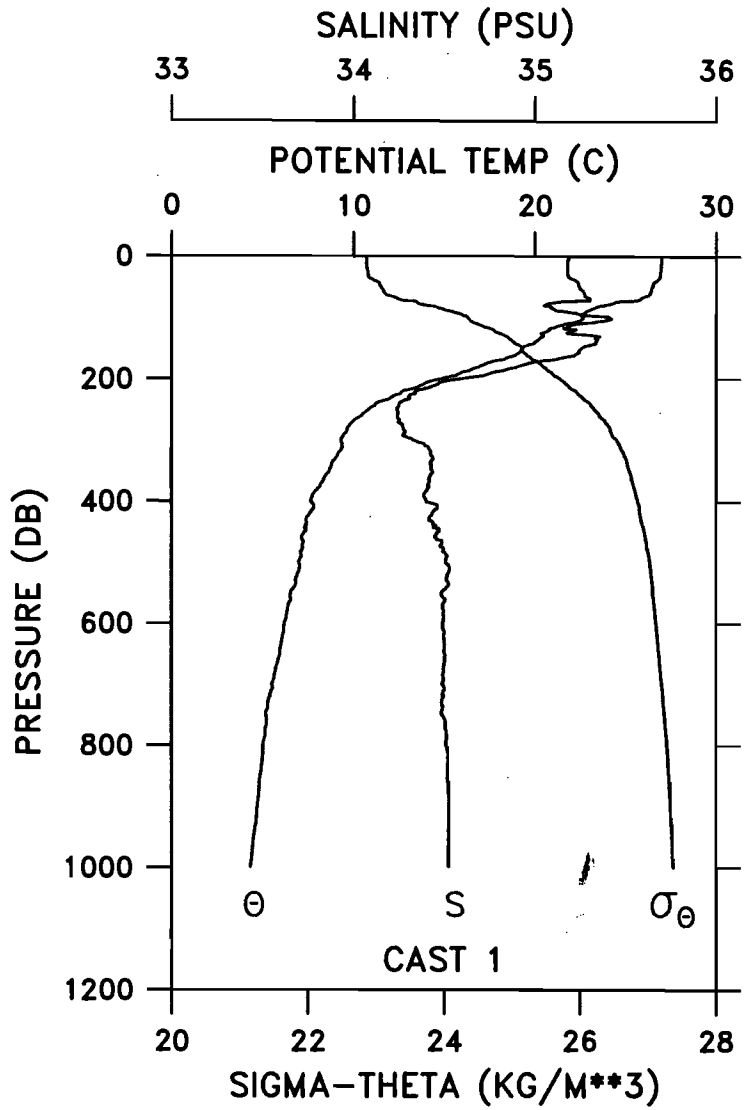
CAST GP4-98-KA-0411 LAT 10 59.8N LONG 179 55.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.123	34.582	28.122	22.043
10.	28.116	34.589	28.114	22.049
26.	28.048	34.616	28.042	22.095
40.	28.048	34.620	28.038	22.099
60.	27.699	34.834	27.685	22.389
100.	25.849	34.822	25.826	22.953
150.	17.685	34.612	17.660	25.056
200.	11.992	34.475	11.966	26.186
401.	9.432	34.646	9.387	26.780
600.	7.687	34.567	7.627	26.990
801.	6.127	34.533	6.054	27.178
1005.	4.912	34.541	4.829	27.332

CAST GP4-98-KA-0431 LAT 13 32.6N LONG 176 26.4W

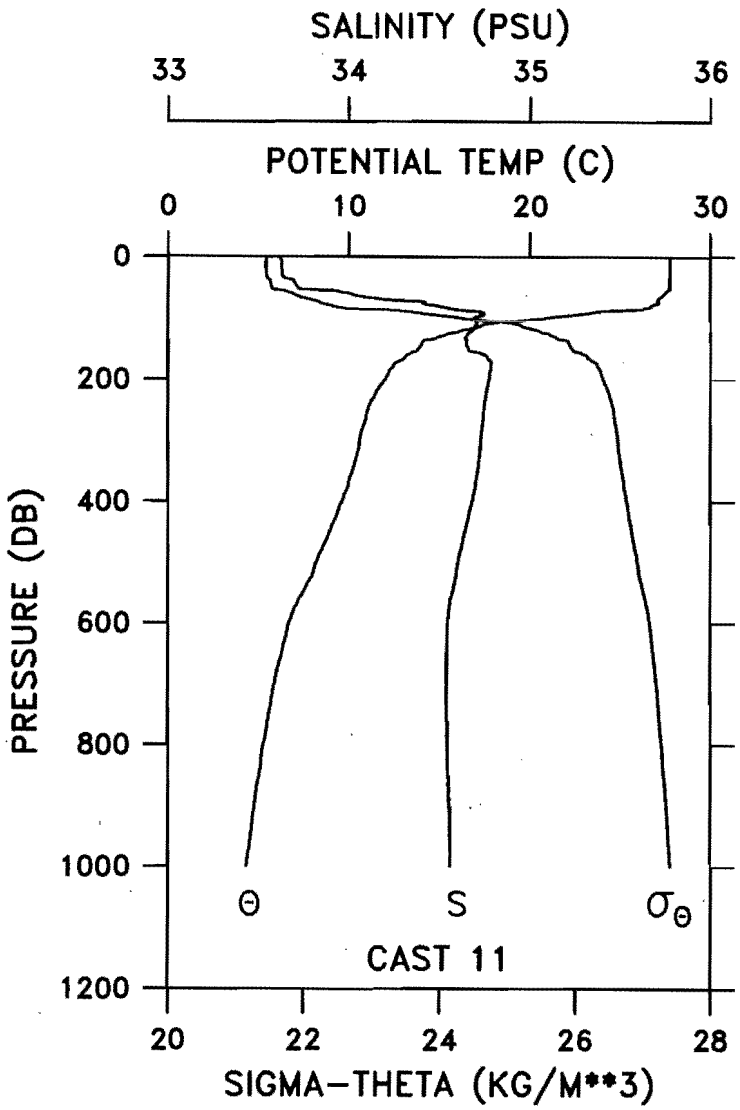
PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1000.	4.763	34.527	4.682	27.336
1500.	2.935	34.591	2.828	27.573
1751.	2.523	34.611	2.400	27.626
2001.	2.220	34.627	2.081	27.666
2249.	2.016	34.652	1.858	27.695
2500.	1.850	34.641	1.673	27.718
2751.	1.728	34.662	1.530	27.737
3001.	1.642	34.669	1.422	27.750
3251.	1.563	34.674	1.320	27.761
3499.	1.505	34.678	1.239	27.771
3751.	1.458	34.684	1.167	27.779

GP5-98-KA
September 5–October 9, 1998
CTD and Hydrographic Data Summary



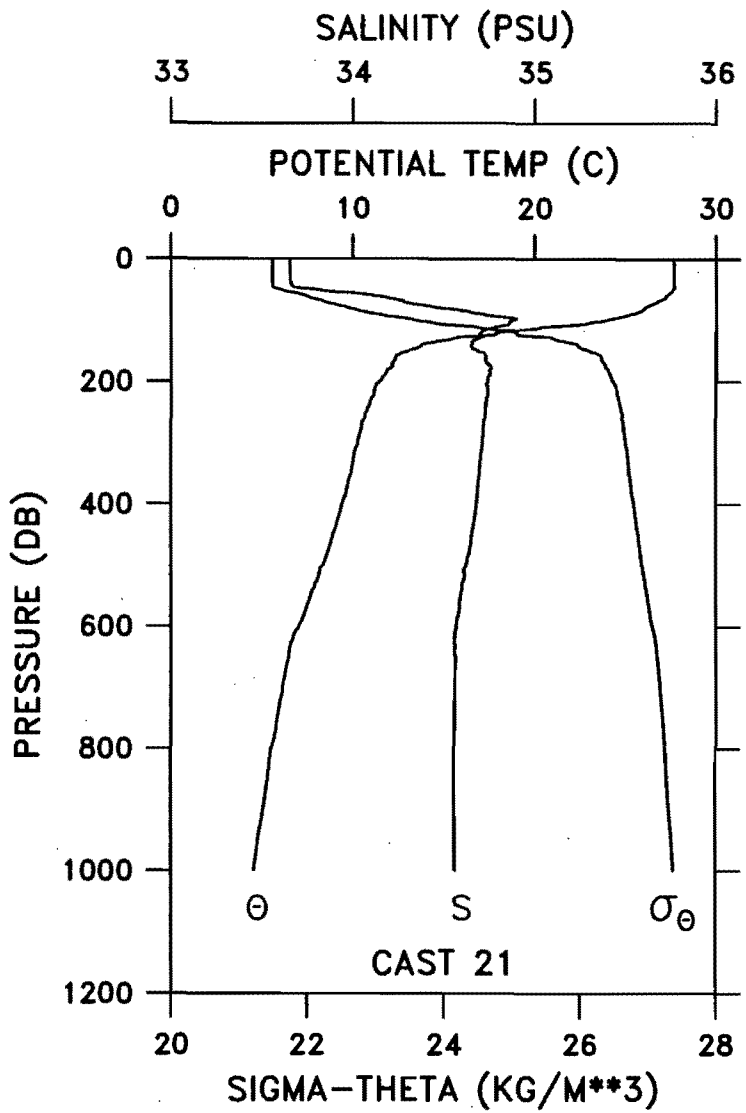
CAST GP5-98-KA-0001 DATE 08 SEP 98 TIME 2330 GMT
LAT 16 58.2N LONG 146 26.8W WEATHER 0 SEA STATE 4
BAROMETER 12 WIND DIR 052 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 26.0 WET 22.3 DEPTH 5205 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.016	35.190	22.858	0.000
10	27.006	35.180	22.854	0.050
20	26.967	35.180	22.866	0.100
30	26.937	35.183	22.878	0.150
40	26.728	35.228	22.978	0.199
50	26.476	35.247	23.072	0.248
60	26.374	35.273	23.124	0.296
70	25.792	35.308	23.333	0.342
80	23.766	35.049	23.749	0.386
90	22.820	35.174	24.119	0.426
100	22.668	35.418	24.348	0.463
110	21.671	35.227	24.484	0.498
120	20.765	35.219	24.726	0.532
130	20.473	35.359	24.911	0.564
140	19.975	35.339	25.029	0.594
150	19.295	35.256	25.142	0.623
160	18.944	35.224	25.208	0.652
170	17.786	35.040	25.357	0.679
180	16.909	34.900	25.460	0.705
190	15.885	34.756	25.587	0.731
200	14.728	34.580	25.708	0.755
250	10.827	34.235	26.211	0.858
300	9.295	34.329	26.545	0.943
350	8.673	34.434	26.727	1.015
400	7.669	34.403	26.854	1.081
450	7.336	34.466	26.951	1.142
500	7.019	34.510	27.030	1.198
550	6.561	34.486	27.074	1.252
600	6.221	34.492	27.123	1.305
650	5.966	34.505	27.166	1.355
700	5.519	34.489	27.209	1.403
750	5.203	34.490	27.247	1.449
800	5.032	34.510	27.283	1.494
900	4.722	34.525	27.331	1.579
1000	4.336	34.525	27.373	1.661
1010	4.308	34.523	27.375	1.669



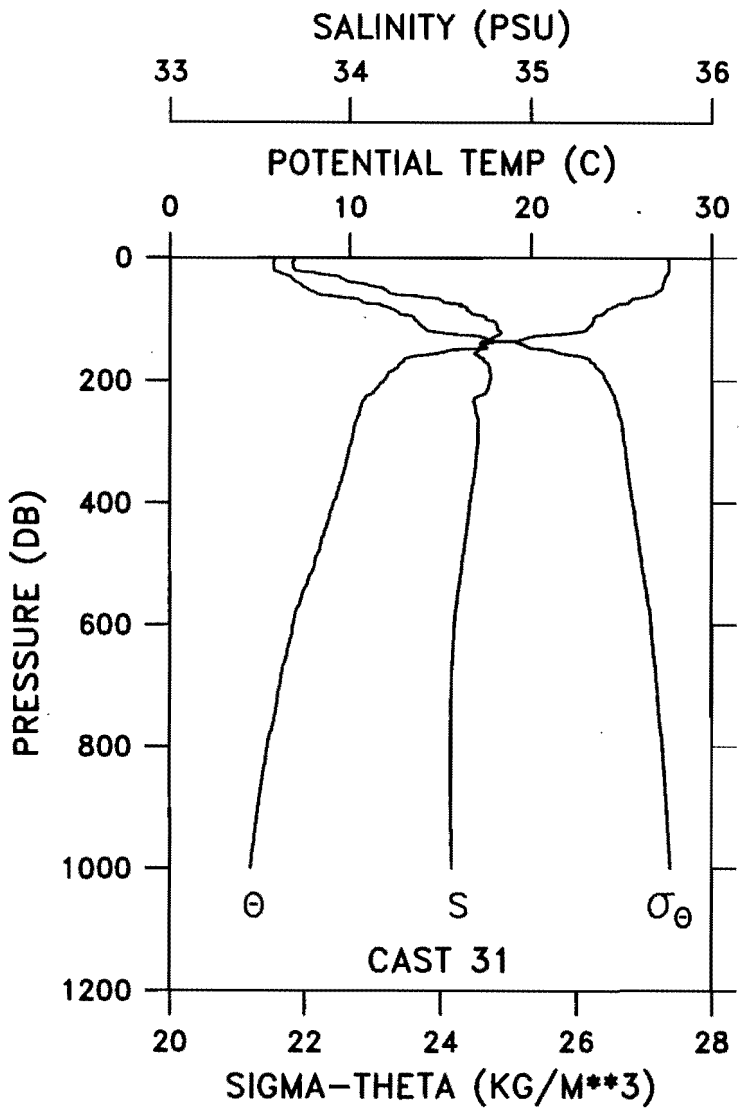
CAST GP5-98-KA-0011 DATE 15 SEP 98 TIME 0530 GMT
LAT 08 02.4N LONG 125 00.4W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 196 T SPD 08 KT VISIBILITY 7
CLOUD 8 AMOUNT 9 DRY 27.0 WET 25.0 DEPTH 4576 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.751	33.622	21.441	0.000
10	27.760	33.628	21.443	0.063
20	27.755	33.628	21.445	0.127
30	27.743	33.632	21.452	0.191
40	27.725	33.696	21.506	0.254
50	27.714	33.718	21.526	0.317
60	27.430	34.009	21.836	0.378
70	27.042	34.208	22.110	0.437
80	26.730	34.493	22.424	0.493
90	23.505	34.733	23.586	0.543
100	20.826	34.693	24.308	0.583
110	17.525	34.706	25.164	0.615
120	16.231	34.681	25.450	0.642
130	15.004	34.646	25.699	0.667
140	14.061	34.648	25.903	0.689
150	13.841	34.660	25.958	0.710
160	13.220	34.755	26.159	0.730
170	12.783	34.784	26.270	0.749
180	12.425	34.785	26.340	0.766
190	12.179	34.778	26.383	0.783
200	12.021	34.776	26.412	0.800
250	11.054	34.746	26.568	0.879
300	10.615	34.729	26.634	0.953
350	10.209	34.712	26.691	1.026
400	9.664	34.683	26.761	1.096
450	8.961	34.640	26.843	1.162
500	8.231	34.603	26.928	1.225
550	7.487	34.572	27.013	1.283
600	6.696	34.546	27.103	1.338
650	6.289	34.541	27.153	1.389
700	5.881	34.540	27.204	1.438
750	5.563	34.541	27.244	1.484
800	5.273	34.545	27.283	1.530
900	4.779	34.555	27.348	1.615
1000	4.324	34.561	27.403	1.695
1005	4.290	34.561	27.406	1.699



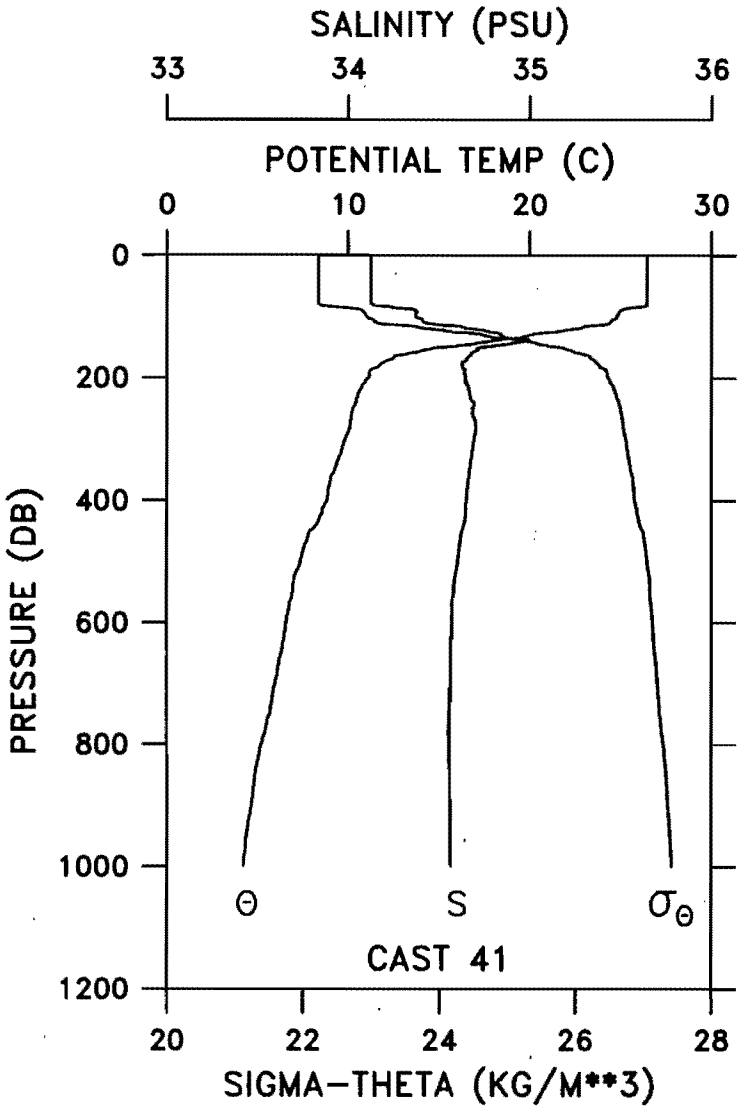
CAST GP5-98-KA-0021 DATE 15 SEP 98 TIME 1311 GMT
LAT 06 59.6N LONG 125 00.8W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 203 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 9 DRY 26.5 WET 23.5 DEPTH 4719 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.688	33.656	21.488	0.000
10	27.691	33.657	21.488	0.063
20	27.695	33.658	21.486	0.126
30	27.696	33.658	21.486	0.189
40	27.696	33.659	21.487	0.252
50	27.631	33.797	21.612	0.316
60	27.241	34.114	21.975	0.376
70	26.761	34.281	22.254	0.433
80	26.087	34.481	22.617	0.487
90	25.294	34.714	23.037	0.538
100	23.875	34.879	23.589	0.584
110	20.696	34.801	24.426	0.624
120	17.981	34.703	25.050	0.657
130	15.489	34.686	25.622	0.684
140	13.778	34.650	25.963	0.706
150	13.042	34.686	26.142	0.726
160	12.340	34.730	26.315	0.744
170	12.154	34.740	26.358	0.761
180	11.919	34.755	26.415	0.778
190	11.710	34.749	26.450	0.794
200	11.441	34.740	26.493	0.810
250	10.701	34.728	26.618	0.887
300	10.304	34.714	26.677	0.959
350	9.931	34.697	26.727	1.029
400	9.428	34.680	26.798	1.097
450	8.918	34.654	26.861	1.162
500	8.387	34.623	26.919	1.224
550	7.701	34.591	26.997	1.284
600	7.047	34.569	27.073	1.339
650	6.515	34.567	27.144	1.391
700	6.161	34.562	27.186	1.441
750	5.842	34.560	27.225	1.489
800	5.519	34.558	27.263	1.535
900	5.073	34.557	27.316	1.624
1000	4.565	34.562	27.377	1.706
1005	4.534	34.562	27.381	1.710



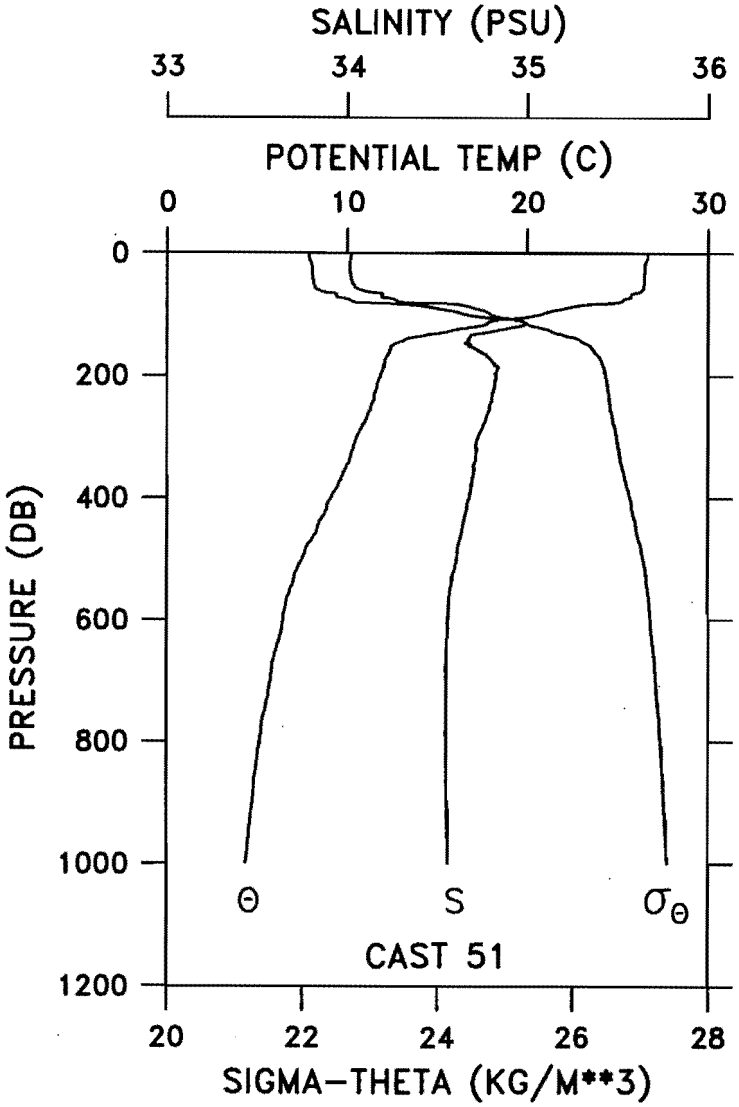
CAST GP5-98-KA-0031 DATE 16 SEP 98 TIME 0529 GMT
LAT 05 06.3N LONG 124 52.5W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 227 T SPD 08 KT VISIBILITY 7
CLOUD 8 AMOUNT 9 DRY 25.1 WET 24.0 DEPTH 4378 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.610	33.694	21.541	0.000
10	27.614	33.681	21.530	0.063
20	27.618	33.696	21.540	0.125
30	27.445	33.938	21.778	0.187
40	27.305	34.028	21.890	0.247
50	27.208	34.187	22.042	0.305
60	26.771	34.270	22.243	0.363
70	25.436	34.509	22.839	0.415
80	24.485	34.644	23.229	0.464
90	24.013	34.667	23.387	0.510
100	23.455	34.750	23.614	0.553
110	23.274	34.813	23.714	0.596
120	22.748	34.832	23.880	0.638
130	19.797	34.787	24.654	0.674
140	17.474	34.719	25.186	0.706
150	15.672	34.709	25.599	0.733
160	13.561	34.710	26.055	0.755
170	12.895	34.749	26.220	0.774
180	12.565	34.773	26.304	0.792
190	12.093	34.776	26.398	0.809
200	11.864	34.773	26.439	0.825
250	10.545	34.697	26.621	0.902
300	10.109	34.706	26.704	0.973
350	9.675	34.689	26.764	1.042
400	9.098	34.662	26.838	1.108
450	8.601	34.642	26.902	1.171
500	8.054	34.619	26.967	1.231
550	7.380	34.595	27.047	1.288
600	6.851	34.578	27.107	1.341
650	6.515	34.569	27.145	1.393
700	6.116	34.562	27.192	1.442
750	5.791	34.558	27.230	1.490
800	5.412	34.556	27.275	1.535
900	4.895	34.557	27.336	1.622
1000	4.473	34.563	27.388	1.703
1004	4.465	34.563	27.389	1.706



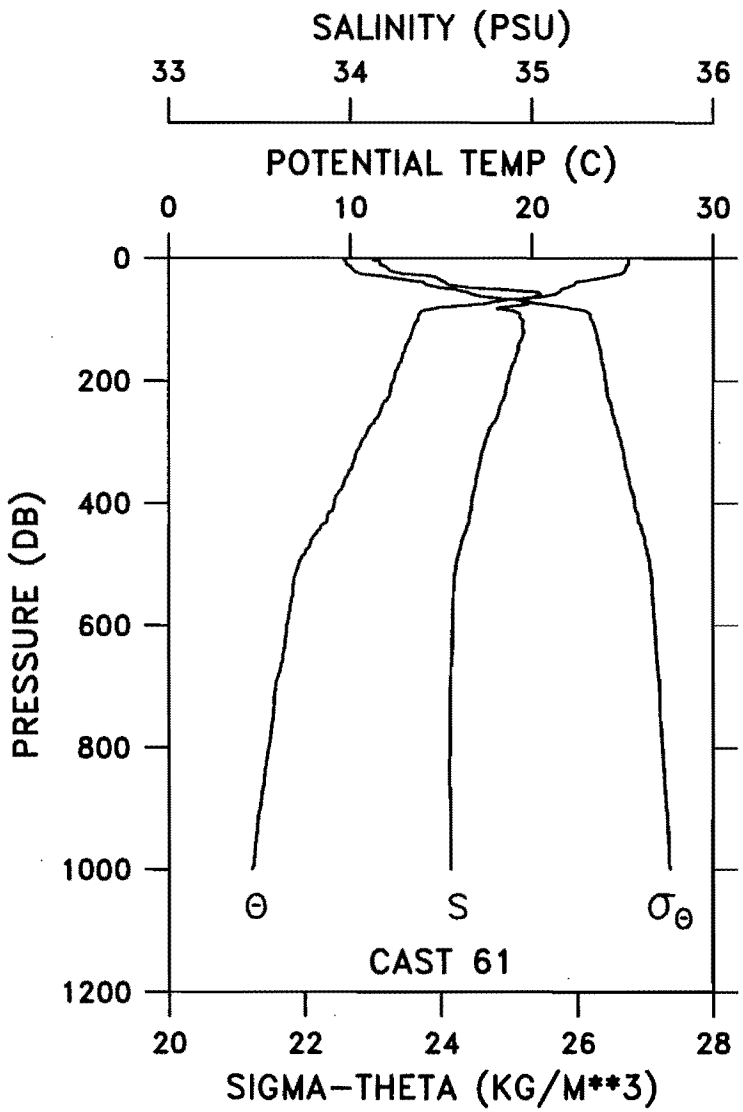
CAST GP5-98-KA-0041 DATE 16 SEP 98 TIME 1436 GMT
LAT 03 59.8N LONG 125 03.5W WEATHER 2 SEA STATE 3
BAROMETER 12 WIND DIR 161 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 8 DRY 25.0 WET 23.5 DEPTH 4403 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.452	34.126	22.235	0.000
10	26.451	34.126	22.235	0.056
20	26.444	34.126	22.237	0.112
30	26.453	34.126	22.234	0.168
40	26.457	34.126	22.233	0.224
50	26.453	34.126	22.234	0.280
60	26.453	34.126	22.235	0.336
70	26.448	34.127	22.237	0.392
80	26.429	34.131	22.246	0.448
90	24.948	34.367	22.880	0.501
100	24.768	34.372	22.938	0.551
110	24.374	34.430	23.100	0.600
120	22.358	34.698	23.889	0.644
130	19.966	34.838	24.648	0.681
140	17.766	34.963	25.302	0.711
150	14.895	34.731	25.788	0.736
160	13.283	34.680	26.089	0.758
170	12.338	34.652	26.255	0.776
180	11.720	34.628	26.354	0.794
190	11.165	34.640	26.466	0.810
200	11.062	34.645	26.488	0.826
250	10.269	34.687	26.662	0.901
300	9.848	34.693	26.738	0.971
350	9.274	34.667	26.813	1.037
400	8.833	34.651	26.872	1.101
450	7.897	34.625	26.995	1.161
500	7.362	34.601	27.054	1.216
550	6.936	34.580	27.097	1.269
600	6.585	34.572	27.138	1.321
650	6.316	34.565	27.168	1.371
700	5.970	34.562	27.211	1.419
750	5.676	34.556	27.242	1.466
800	5.217	34.555	27.297	1.510
900	4.673	34.559	27.363	1.593
1000	4.227	34.565	27.416	1.671
1007	4.200	34.565	27.419	1.676



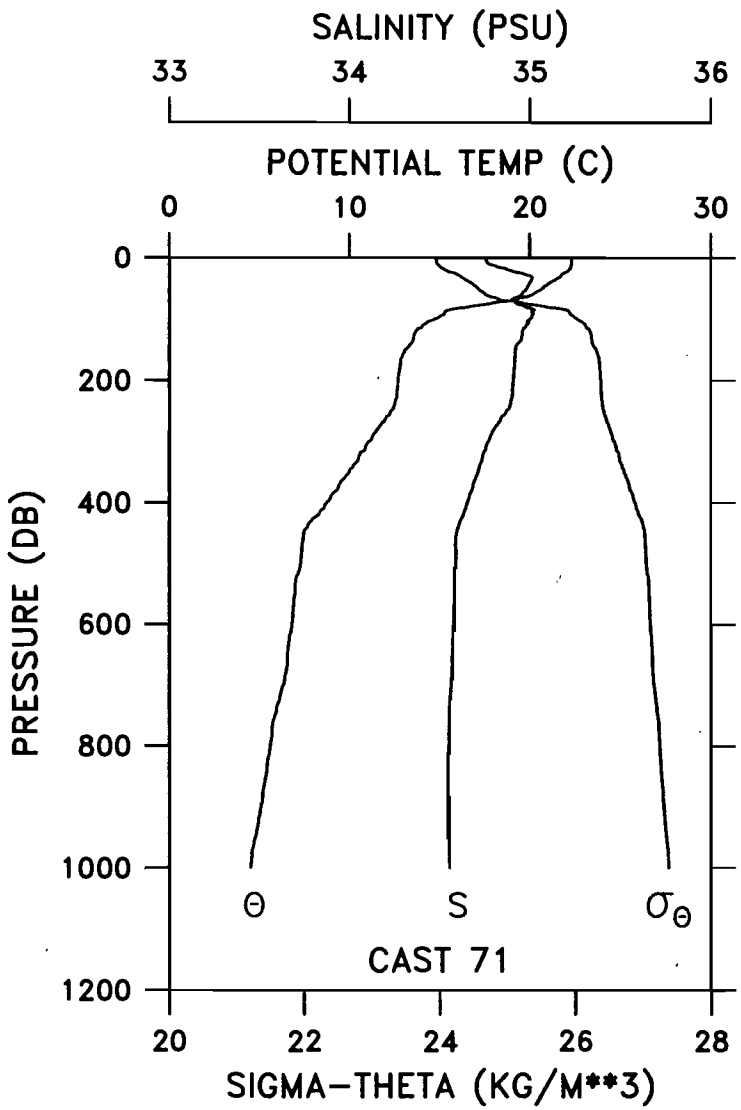
CAST GP5-98-KA-0051 DATE 16 SEP 98 TIME 2156 GMT
LAT 03 00.1N LONG 125 12.9W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 155 T SPD 17 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 25.7 WET 22.8 DEPTH 4563 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.654	34.025	22.095	0.000
10	26.625	34.016	22.098	0.057
20	26.498	34.015	22.136	0.114
30	26.483	34.015	22.142	0.171
40	26.472	34.021	22.149	0.228
50	26.453	34.030	22.162	0.285
60	26.348	34.075	22.229	0.341
70	25.742	34.190	22.504	0.396
80	25.027	34.302	22.808	0.448
90	22.105	34.705	23.966	0.492
100	20.730	34.797	24.414	0.529
110	18.169	34.970	25.208	0.561
120	17.090	34.939	25.447	0.588
130	15.243	34.762	25.735	0.612
140	13.247	34.669	26.088	0.633
150	12.517	34.681	26.242	0.652
160	12.339	34.735	26.318	0.670
170	12.156	34.789	26.396	0.687
180	12.081	34.824	26.438	0.703
190	11.940	34.832	26.471	0.719
200	11.818	34.825	26.488	0.735
250	11.303	34.791	26.558	0.813
300	10.522	34.727	26.649	0.888
350	9.936	34.703	26.731	0.959
400	9.087	34.677	26.852	1.025
450	8.318	34.640	26.943	1.087
500	7.494	34.607	27.040	1.144
550	6.794	34.572	27.110	1.197
600	6.420	34.561	27.152	1.248
650	6.027	34.554	27.197	1.297
700	5.736	34.551	27.231	1.343
750	5.413	34.551	27.271	1.389
800	5.134	34.550	27.303	1.432
900	4.729	34.555	27.354	1.516
1000	4.345	34.561	27.401	1.596
1005	4.323	34.561	27.403	1.600



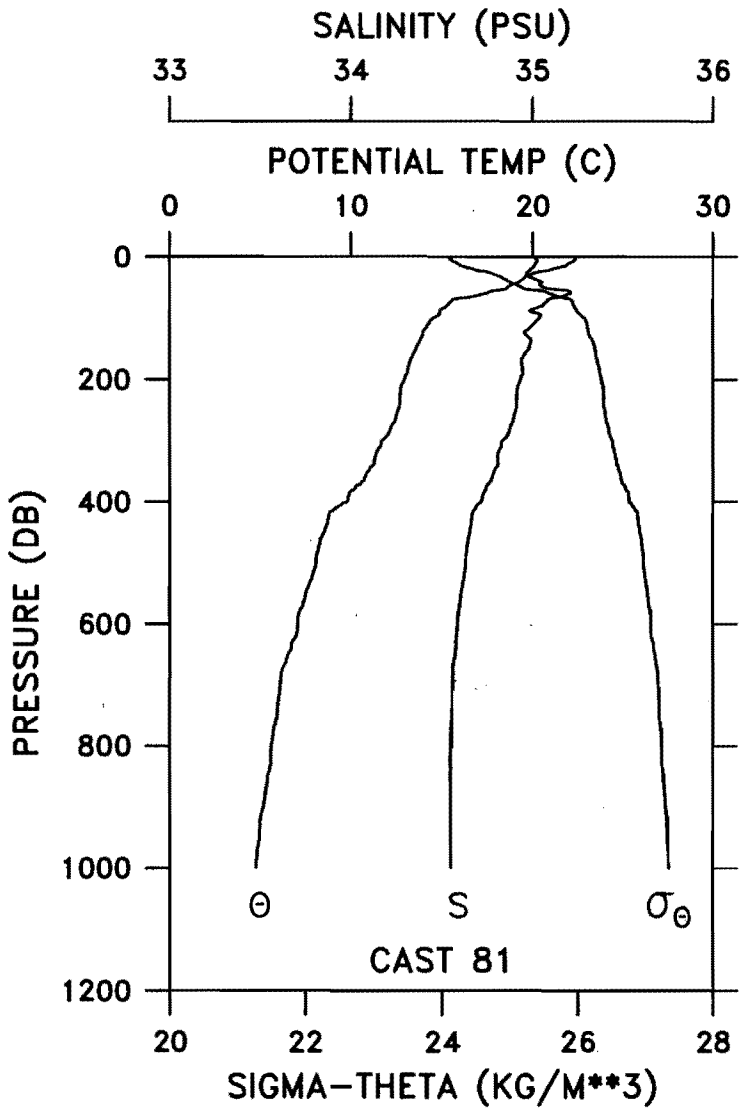
CAST GP5-98-KA-0061 DATE 17 SEP 98 TIME 0600 GMT
LAT 01 59.1N LONG 125 23.8W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 125 T SPD 17 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 24.2 WET 22.7 DEPTH 4565 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.344	34.129	22.580	0.000
10	25.314	34.166	22.617	0.052
20	25.121	34.222	22.719	0.104
30	24.201	34.462	23.176	0.154
40	22.392	34.526	23.749	0.198
50	21.663	34.799	24.160	0.238
60	21.060	35.035	24.505	0.274
70	18.052	34.951	25.223	0.305
80	14.892	34.825	25.861	0.330
90	13.817	34.930	26.172	0.350
100	13.736	34.944	26.199	0.368
110	13.531	34.945	26.243	0.386
120	13.417	34.951	26.271	0.404
130	13.316	34.944	26.286	0.422
140	13.117	34.926	26.312	0.439
150	13.000	34.923	26.334	0.457
160	12.864	34.909	26.350	0.474
170	12.775	34.899	26.361	0.491
180	12.609	34.885	26.382	0.508
190	12.456	34.874	26.403	0.525
200	12.390	34.868	26.412	0.541
250	11.665	34.815	26.510	0.622
300	10.618	34.740	26.642	0.698
350	9.903	34.698	26.733	0.769
400	9.115	34.667	26.839	0.836
450	8.118	34.628	26.964	0.898
500	7.164	34.582	27.067	0.953
550	6.835	34.569	27.102	1.006
600	6.493	34.562	27.142	1.057
650	6.276	34.559	27.169	1.107
700	5.887	34.551	27.212	1.155
750	5.763	34.549	27.226	1.202
800	5.516	34.547	27.255	1.248
900	5.026	34.549	27.315	1.337
1000	4.586	34.554	27.369	1.421
1004	4.554	34.554	27.372	1.424



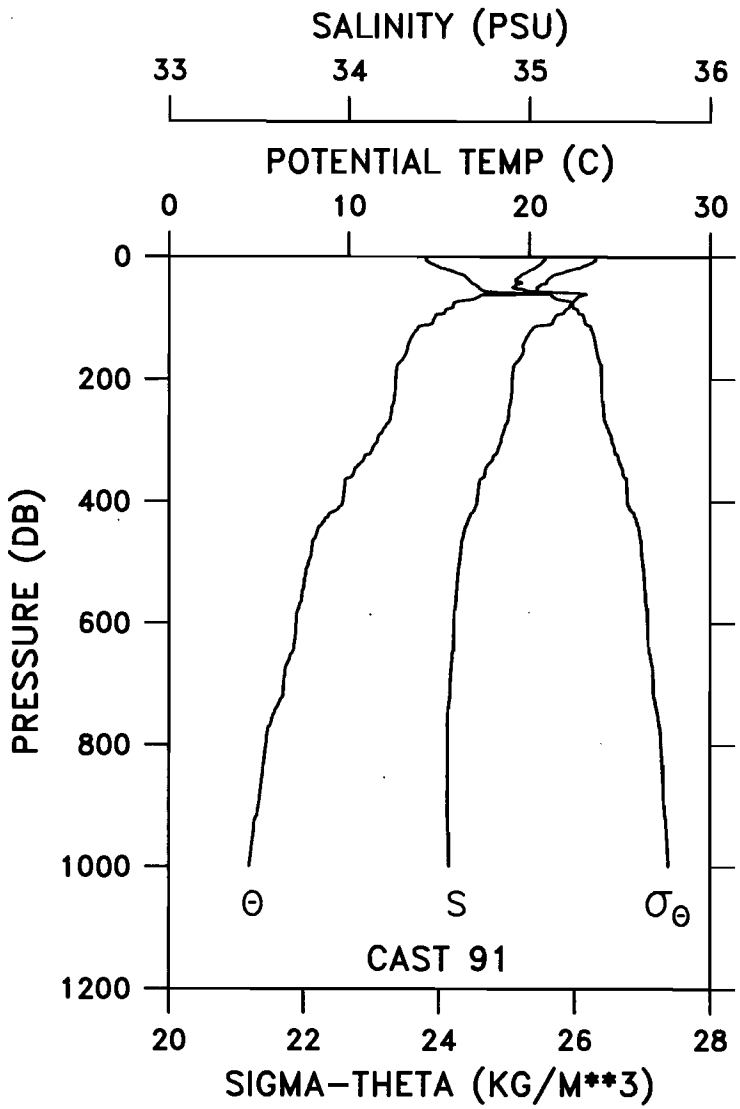
CAST GP5-98-KA-0071 DATE 17 SEP 98 TIME 1558 GMT
LAT 01 00.6N LONG 124 55.4W WEATHER 2 SEA STATE 3
BAROMETER 12 WIND DIR 132 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 8 DRY 22.5 WET 21.0 DEPTH 4688 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.303	34.760	23.952	0.000
10	22.286	34.774	23.967	0.039
20	22.145	34.888	24.094	0.078
30	21.693	35.010	24.312	0.115
40	21.131	35.001	24.460	0.151
50	20.686	34.983	24.567	0.185
60	20.148	34.953	24.688	0.218
70	18.917	34.897	24.965	0.250
80	16.610	34.977	25.590	0.277
90	15.298	35.018	25.921	0.299
100	14.714	35.000	26.035	0.319
110	14.060	34.979	26.159	0.338
120	13.682	34.958	26.222	0.357
130	13.571	34.954	26.242	0.375
140	13.390	34.932	26.262	0.393
150	13.090	34.920	26.314	0.411
160	12.939	34.918	26.342	0.428
170	12.849	34.917	26.359	0.445
180	12.805	34.915	26.367	0.462
190	12.755	34.911	26.374	0.479
200	12.710	34.908	26.380	0.496
250	12.295	34.869	26.431	0.580
300	11.067	34.769	26.584	0.660
350	10.003	34.713	26.728	0.733
400	8.765	34.655	26.885	0.798
450	7.480	34.594	27.032	0.856
500	7.316	34.590	27.052	0.911
550	6.980	34.582	27.093	0.964
600	6.817	34.578	27.112	1.016
650	6.565	34.572	27.141	1.067
700	6.342	34.564	27.164	1.118
750	5.853	34.555	27.220	1.166
800	5.590	34.551	27.249	1.213
900	5.069	34.549	27.310	1.302
1000	4.503	34.556	27.380	1.385
1004	4.496	34.556	27.380	1.389



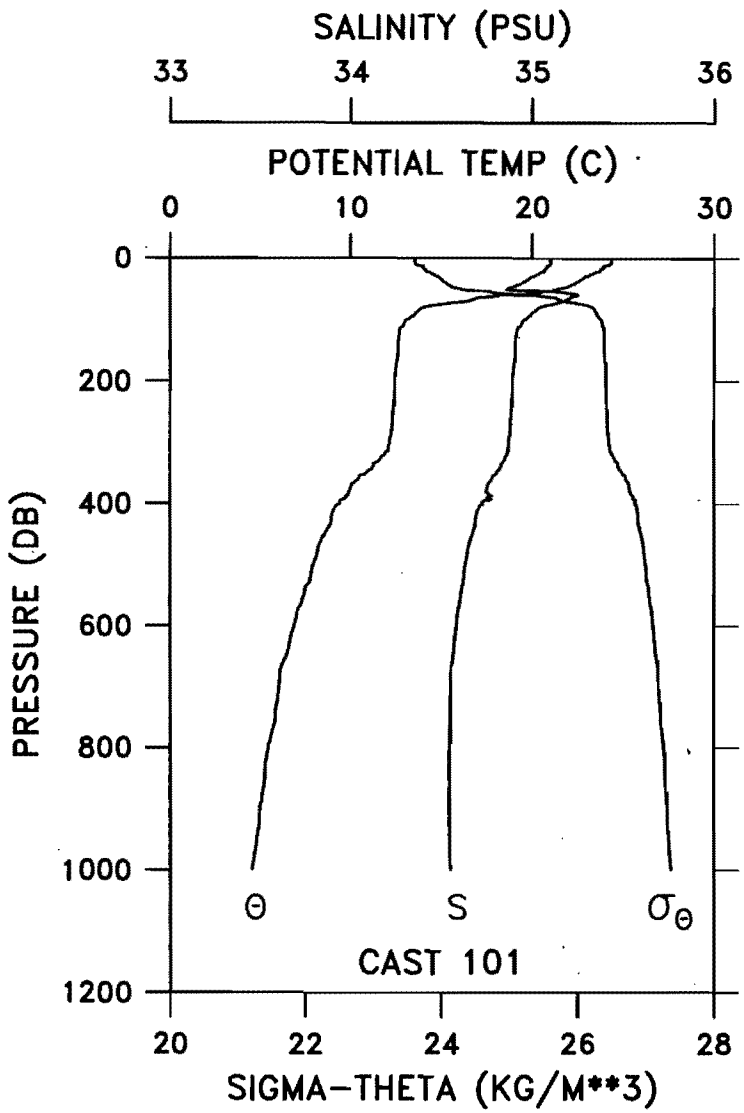
CAST GP5-98-KA-0081 DATE 18 SEP 98 TIME 0847 GMT
LAT 00 11.7S LONG 124 23.4W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 115 T SPD 05 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 22.3 WET 21.4 DEPTH 4780 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.379	35.016	24.125	0.000
10	22.057	35.019	24.217	0.038
20	21.090	34.987	24.461	0.074
30	19.742	34.967	24.806	0.107
40	19.283	35.047	24.986	0.137
50	18.602	35.065	25.173	0.166
60	17.345	35.207	25.591	0.192
70	15.584	35.090	25.912	0.214
80	15.282	35.051	25.950	0.235
90	14.898	34.998	25.993	0.256
100	14.531	35.035	26.102	0.276
110	14.249	35.003	26.138	0.295
120	14.022	34.964	26.155	0.314
130	13.925	34.976	26.185	0.332
140	13.745	34.988	26.232	0.351
150	13.593	34.979	26.257	0.369
160	13.414	34.951	26.271	0.387
170	13.251	34.938	26.295	0.405
180	13.163	34.943	26.317	0.422
190	13.094	34.946	26.333	0.440
200	12.956	34.932	26.350	0.457
250	12.609	34.906	26.398	0.542
300	11.688	34.829	26.516	0.624
350	10.948	34.788	26.620	0.702
400	9.795	34.713	26.763	0.773
450	8.527	34.653	26.921	0.836
500	8.090	34.629	26.970	0.895
550	7.523	34.603	27.033	0.952
600	7.081	34.584	27.080	1.007
650	6.557	34.574	27.143	1.059
700	6.106	34.560	27.191	1.109
750	5.947	34.556	27.209	1.157
800	5.607	34.549	27.245	1.204
900	5.173	34.550	27.298	1.294
1000	4.770	34.552	27.346	1.380
1004	4.760	34.552	27.348	1.383



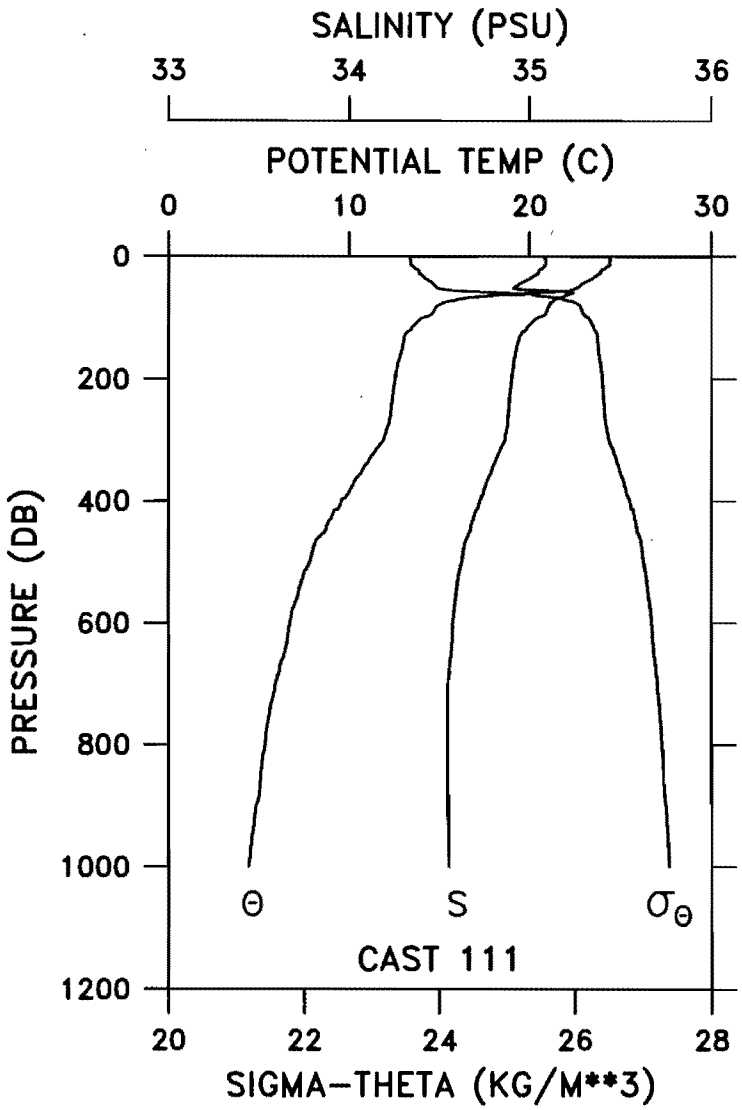
CAST GP5-98-KA-0091 DATE 18 SEP 98 TIME 1527 GMT
LAT 00 59.3S LONG 124 35.5W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 060 T SPD 04 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 23.5 WET 23.0 DEPTH 4649 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.651	35.089	23.813	0.000
10	23.395	35.065	23.870	0.041
20	22.471	35.017	24.100	0.080
30	21.318	34.951	24.371	0.117
40	20.927	34.927	24.459	0.152
50	20.393	34.905	24.586	0.186
60	19.154	35.298	25.211	0.218
70	16.717	35.253	25.776	0.242
80	15.785	35.221	25.967	0.263
90	15.326	35.191	26.048	0.283
100	14.753	35.137	26.133	0.302
110	14.529	35.114	26.163	0.321
120	13.744	35.009	26.249	0.340
130	13.509	34.987	26.280	0.357
140	13.343	34.969	26.300	0.375
150	13.263	34.966	26.314	0.392
160	13.127	34.957	26.334	0.410
170	12.891	34.934	26.364	0.427
180	12.675	34.910	26.389	0.444
190	12.643	34.907	26.392	0.461
200	12.613	34.904	26.396	0.477
250	12.387	34.886	26.426	0.561
300	11.596	34.842	26.543	0.642
350	10.324	34.756	26.706	0.716
400	9.699	34.711	26.777	0.784
450	8.258	34.640	26.953	0.847
500	7.768	34.615	27.006	0.905
550	7.421	34.598	27.043	0.961
600	7.106	34.585	27.077	1.015
650	6.838	34.575	27.107	1.069
700	6.378	34.562	27.158	1.120
750	5.833	34.551	27.219	1.169
800	5.403	34.549	27.270	1.214
900	4.976	34.547	27.319	1.302
1000	4.475	34.556	27.382	1.384
1006	4.444	34.556	27.386	1.389



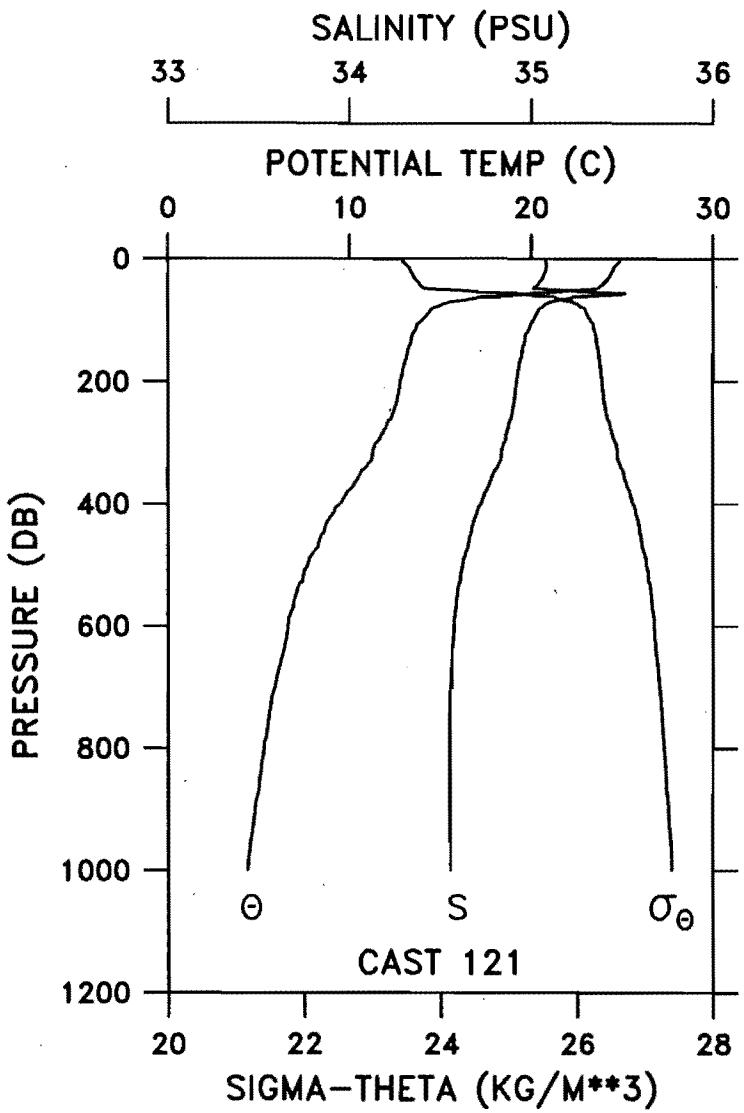
CAST GP5-98-KA-0101 DATE 19 SEP 98 TIME 0744 GMT
LAT 02 01.5S LONG 124 55.4W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 055 T SPD 14 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 25.2 WET 22.3 DEPTH 4649 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.348	35.100	23.615	0.000
10	24.253	35.100	23.644	0.043
20	23.715	35.067	23.778	0.084
30	22.891	34.999	23.966	0.125
40	22.400	34.946	24.066	0.164
50	21.390	34.861	24.283	0.202
60	18.378	35.252	25.372	0.234
70	16.417	35.170	25.783	0.257
80	14.004	35.041	26.218	0.277
90	13.570	34.999	26.276	0.295
100	13.089	34.957	26.343	0.312
110	12.915	34.936	26.361	0.329
120	12.706	34.915	26.386	0.346
130	12.684	34.912	26.388	0.363
140	12.655	34.909	26.391	0.379
150	12.648	34.908	26.392	0.396
160	12.631	34.907	26.395	0.413
170	12.569	34.902	26.403	0.429
180	12.521	34.897	26.409	0.446
190	12.501	34.895	26.411	0.462
200	12.487	34.894	26.413	0.479
250	12.356	34.885	26.432	0.562
300	12.156	34.871	26.459	0.645
350	10.837	34.804	26.653	0.723
400	9.396	34.721	26.836	0.791
450	8.585	34.671	26.926	0.853
500	7.928	34.633	26.997	0.912
550	7.438	34.609	27.049	0.968
600	6.880	34.584	27.107	1.021
650	6.433	34.565	27.153	1.073
700	6.028	34.553	27.196	1.121
750	5.820	34.549	27.219	1.169
800	5.431	34.546	27.265	1.215
900	4.974	34.546	27.318	1.303
1000	4.542	34.552	27.372	1.387
1005	4.529	34.552	27.374	1.391



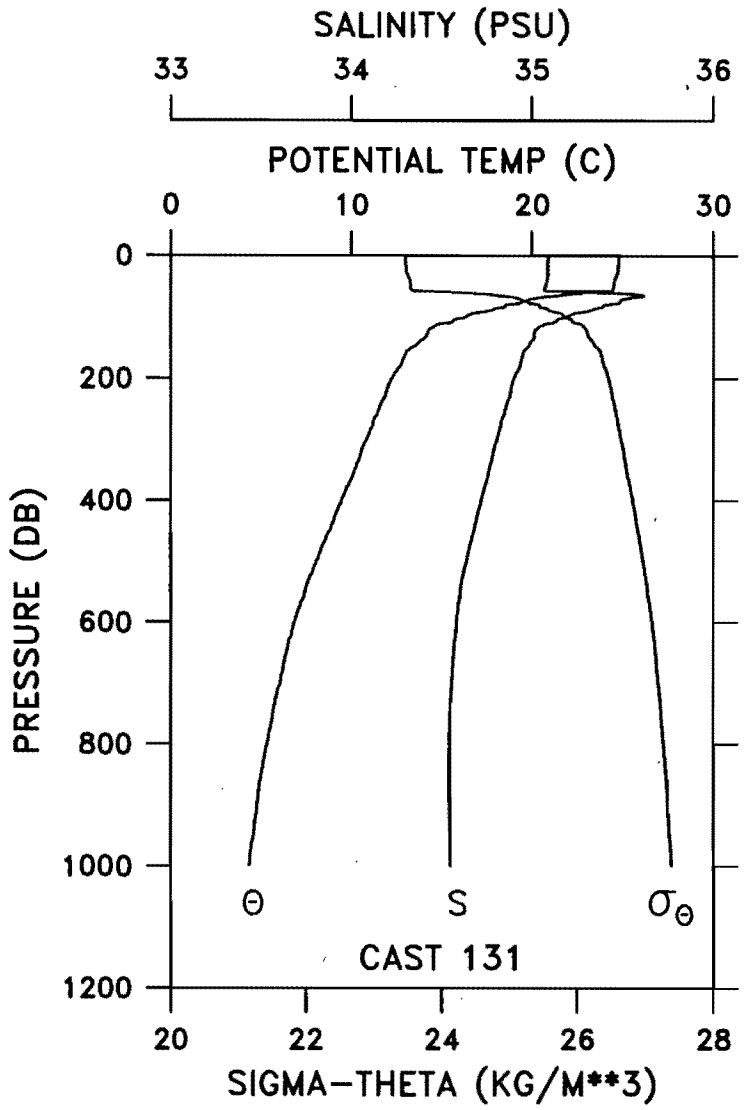
CAST GP5-98-KA-0111 DATE 19 SEP 98 TIME 1445 GMT
LAT 02 59.5S LONG 124 54.9W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 120 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 25.0 WET 23.5 DEPTH 4647 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.453	35.086	23.573	0.000
10	24.421	35.089	23.585	0.043
20	24.135	35.067	23.654	0.086
30	23.735	35.033	23.746	0.128
40	23.188	34.975	23.862	0.169
50	22.675	34.919	23.967	0.209
60	19.897	35.232	24.967	0.245
70	16.043	35.139	25.845	0.270
80	14.901	35.109	26.079	0.290
90	14.695	35.095	26.113	0.310
100	14.080	35.043	26.204	0.328
110	13.713	35.007	26.254	0.347
120	13.417	34.981	26.294	0.364
130	13.095	34.947	26.333	0.382
140	13.029	34.937	26.339	0.399
150	12.969	34.929	26.344	0.416
160	12.882	34.922	26.357	0.433
170	12.765	34.914	26.374	0.450
180	12.683	34.912	26.389	0.467
190	12.620	34.906	26.396	0.483
200	12.563	34.902	26.405	0.500
250	12.344	34.886	26.435	0.583
300	11.897	34.864	26.504	0.665
350	10.742	34.792	26.660	0.741
400	9.571	34.726	26.811	0.810
450	8.633	34.671	26.919	0.873
500	7.804	34.625	27.009	0.931
550	7.175	34.596	27.076	0.986
600	6.713	34.577	27.125	1.038
650	6.382	34.567	27.161	1.089
700	5.881	34.551	27.213	1.137
750	5.570	34.546	27.248	1.184
800	5.320	34.546	27.278	1.228
900	4.815	34.550	27.340	1.315
1000	4.416	34.555	27.388	1.396
1004	4.414	34.554	27.388	1.399



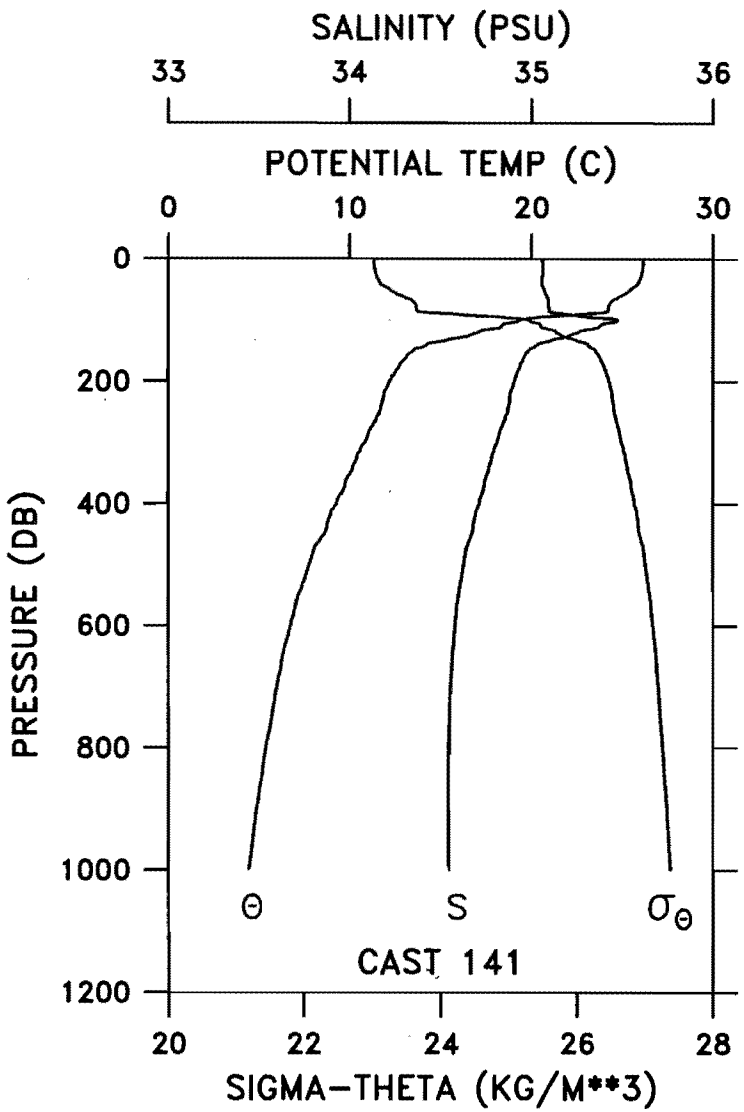
CAST GP5-98-KA-0121 DATE 19 SEP 98 TIME 2126 GMT
LAT 03 59.7S LONG 124 56.1W WEATHER 2 SEA STATE 3
BAROMETER 12 WIND DIR 108 T SPD 12 KT VISIBILITY 7
CLOUD 8 AMOUNT 8 DRY 24.7 WET 22.8 DEPTH 4513 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.837	35.079	23.453	0.000
10	24.666	35.083	23.507	0.044
20	24.453	35.076	23.565	0.088
30	24.251	35.058	23.613	0.131
40	23.946	35.039	23.688	0.173
50	23.009	35.122	24.025	0.215
60	18.691	35.373	25.386	0.246
70	15.505	35.106	25.942	0.269
80	14.589	35.049	26.100	0.289
90	14.291	35.026	26.147	0.308
100	13.993	35.008	26.195	0.327
110	13.706	34.991	26.242	0.345
120	13.526	34.975	26.267	0.363
130	13.411	34.964	26.282	0.381
140	13.339	34.958	26.293	0.398
150	13.214	34.949	26.311	0.416
160	13.154	34.944	26.319	0.433
170	13.035	34.934	26.335	0.451
180	12.958	34.928	26.346	0.468
190	12.885	34.922	26.357	0.485
200	12.816	34.917	26.366	0.502
250	12.424	34.894	26.426	0.586
300	11.477	34.847	26.570	0.667
350	10.609	34.789	26.681	0.741
400	9.495	34.721	26.820	0.810
450	8.481	34.664	26.937	0.872
500	7.685	34.621	27.023	0.930
550	7.037	34.590	27.091	0.984
600	6.618	34.574	27.136	1.036
650	6.289	34.565	27.172	1.086
700	5.884	34.556	27.217	1.134
750	5.546	34.550	27.254	1.180
800	5.289	34.548	27.283	1.225
900	4.780	34.549	27.343	1.310
1000	4.389	34.555	27.391	1.391
1004	4.371	34.555	27.393	1.394



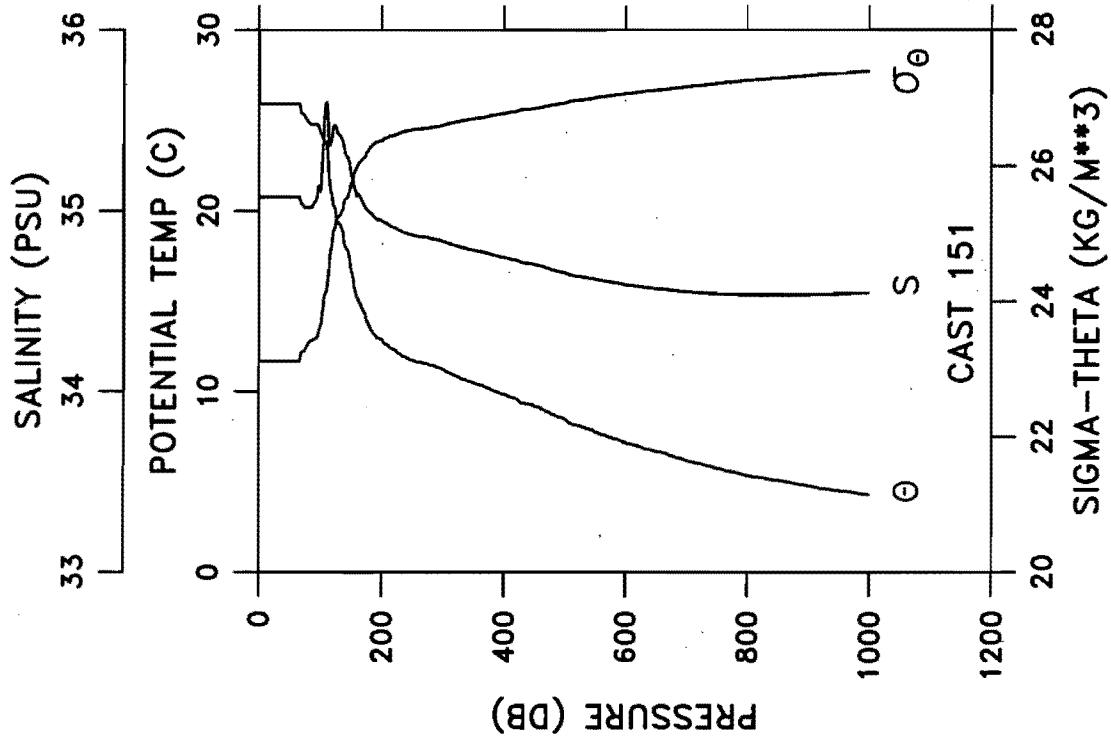
CAST GP5-98-KA-0131 DATE 20 SEP 98 TIME 0522 GMT
LAT 05 03.3S LONG 124 58.7W WEATHER 2 SEA STATE 4
BAROMETER 13 WIND DIR 136 T SPD 12 KT VISIBILITY 7
CLOUD 8 AMOUNT 8 DRY 23.5 WET 22.7 DEPTH 4476 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.801	35.091	23.472	0.000
10	24.803	35.088	23.470	0.044
20	24.786	35.089	23.475	0.088
30	24.705	35.088	23.499	0.132
40	24.573	35.083	23.535	0.176
50	24.518	35.072	23.543	0.220
60	23.080	35.442	24.247	0.262
70	19.995	35.519	25.160	0.294
80	18.561	35.409	25.447	0.321
90	17.609	35.315	25.610	0.346
100	16.316	35.187	25.820	0.369
110	15.234	35.103	26.001	0.390
120	14.350	35.023	26.132	0.409
130	14.167	35.011	26.161	0.428
140	13.778	34.997	26.232	0.447
150	13.351	34.976	26.304	0.465
160	13.009	34.952	26.354	0.482
170	12.840	34.942	26.380	0.499
180	12.715	34.934	26.399	0.515
190	12.436	34.916	26.440	0.532
200	12.214	34.900	26.471	0.548
250	11.551	34.856	26.562	0.626
300	10.852	34.807	26.652	0.701
350	10.193	34.765	26.736	0.772
400	9.465	34.720	26.824	0.839
450	8.804	34.680	26.899	0.902
500	8.084	34.639	26.978	0.962
550	7.462	34.605	27.043	1.019
600	6.841	34.583	27.113	1.072
650	6.398	34.568	27.160	1.123
700	6.066	34.558	27.196	1.172
750	5.660	34.548	27.238	1.219
800	5.335	34.545	27.275	1.265
900	4.782	34.544	27.339	1.350
1000	4.352	34.550	27.391	1.431
1500	2.819	34.603	27.585	1.774
2000	2.116	34.638	27.672	2.052
2500	1.712	34.662	27.723	2.300
3000	1.445	34.675	27.754	2.533
3005	1.445	34.675	27.754	2.535



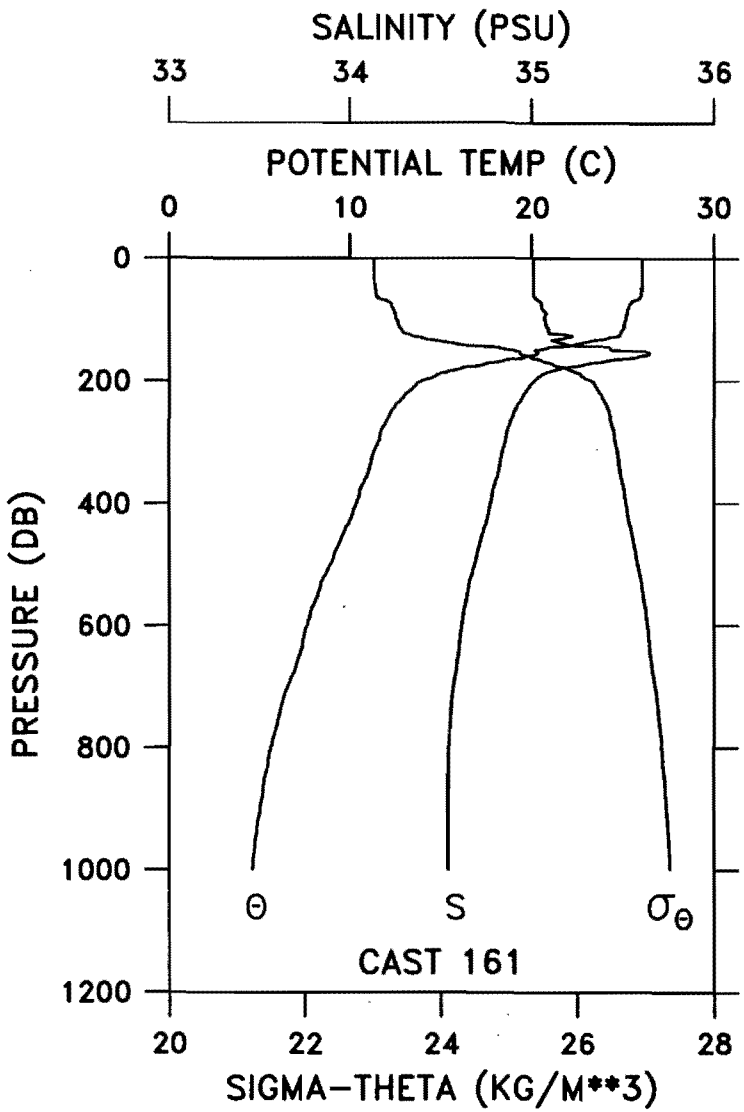
CAST GP5-98-KA-0141 DATE 20 SEP 98 TIME 2240 GMT
LAT 05 59.8S LONG 124 58.1W WEATHER 1 SEA STATE 5
BAROMETER 11 WIND DIR 100 T SPD 23 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 26.2 WET 23.5 DEPTH 4678 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.165	35.060	23.029	0.000
10	26.155	35.062	23.034	0.048
20	26.109	35.062	23.048	0.097
30	26.012	35.058	23.076	0.145
40	25.852	35.056	23.124	0.192
50	25.435	35.069	23.262	0.239
60	24.912	35.083	23.432	0.285
70	24.364	35.093	23.605	0.329
80	24.214	35.096	23.652	0.372
90	22.644	35.185	24.177	0.413
100	19.317	35.474	25.303	0.445
110	18.352	35.374	25.472	0.471
120	17.082	35.256	25.692	0.496
130	15.766	35.145	25.913	0.518
140	14.252	35.031	26.158	0.538
150	13.528	34.982	26.272	0.556
160	13.152	34.959	26.331	0.574
170	12.856	34.940	26.376	0.591
180	12.659	34.929	26.407	0.608
190	12.464	34.916	26.435	0.624
200	12.232	34.904	26.471	0.640
250	11.688	34.868	26.546	0.719
300	10.846	34.808	26.655	0.794
350	10.060	34.757	26.752	0.864
400	9.309	34.712	26.843	0.930
450	8.627	34.671	26.920	0.992
500	7.809	34.625	27.008	1.050
550	7.196	34.598	27.075	1.105
600	6.779	34.580	27.118	1.158
650	6.329	34.565	27.167	1.208
700	6.003	34.555	27.201	1.257
750	5.724	34.550	27.232	1.304
800	5.402	34.545	27.267	1.350
900	4.868	34.543	27.328	1.437
1000	4.436	34.548	27.380	1.520
1003	4.427	34.548	27.381	1.522



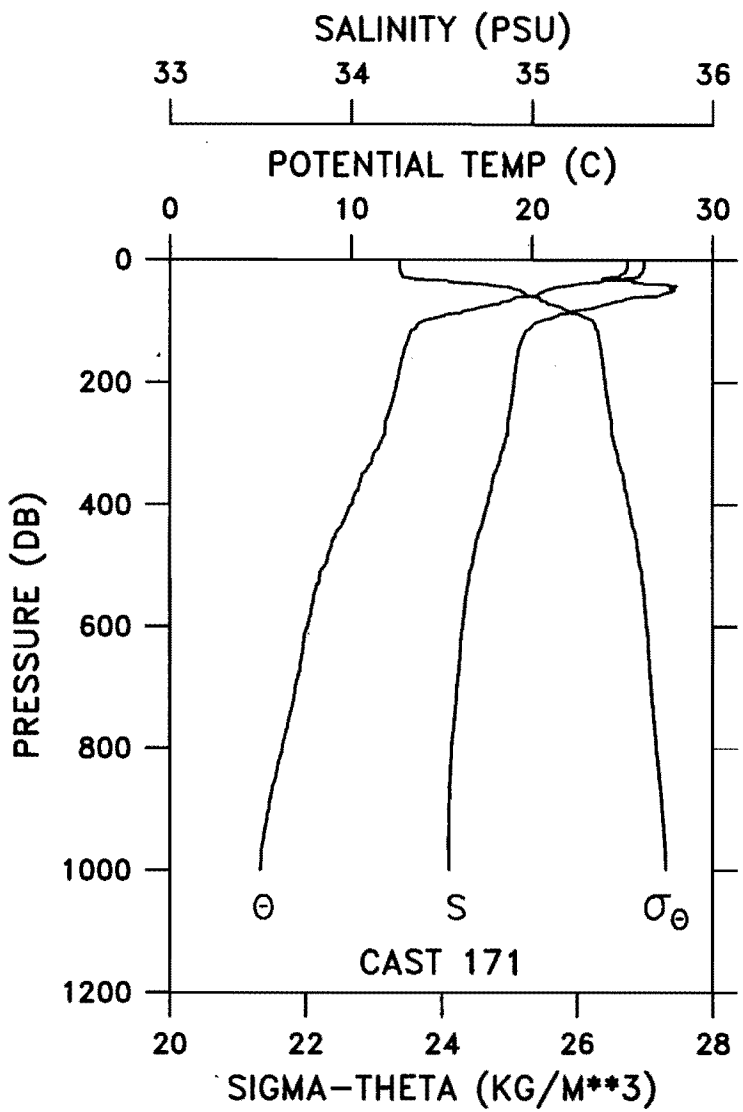
CAST GP5-98-KA-0151 DATE 21 SEP 98 TIME 0640 GMT
LAT 06 59.7S LONG 124 59.5W WEATHER 1 SEA STATE 5
BAROMETER 14 WIND DIR 108 T SPD 22 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 25.7 WET 23.0 DEPTH 4761 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.937	35.077	23.113	0.000
10	25.936	35.077	23.113	0.047
20	25.938	35.078	23.113	0.095
30	25.937	35.078	23.114	0.143
40	25.938	35.079	23.114	0.190
50	25.937	35.078	23.114	0.238
60	25.936	35.079	23.114	0.286
70	25.380	35.036	23.255	0.333
80	24.931	35.018	23.378	0.379
90	24.791	35.048	23.442	0.424
100	24.308	35.107	23.633	0.468
110	23.730	35.601	24.178	0.508
120	20.564	35.444	24.951	0.542
130	19.340	35.422	25.257	0.571
140	18.014	35.320	25.515	0.597
150	16.730	35.206	25.737	0.622
160	15.219	35.090	25.994	0.643
170	14.502	35.041	26.113	0.663
180	13.617	34.995	26.264	0.682
190	13.073	34.959	26.347	0.700
200	12.886	34.946	26.374	0.717
250	11.741	34.868	26.536	0.797
300	11.242	34.833	26.602	0.874
350	10.500	34.785	26.698	0.946
400	9.860	34.744	26.777	1.016
450	9.209	34.705	26.854	1.081
500	8.507	34.660	26.930	1.144
550	7.779	34.623	27.011	1.202
600	7.199	34.593	27.071	1.258
650	6.701	34.572	27.123	1.311
700	6.211	34.555	27.174	1.362
750	5.756	34.544	27.223	1.410
800	5.349	34.538	27.268	1.456
900	4.769	34.537	27.335	1.543
1000	4.271	34.549	27.399	1.623
1006	4.250	34.549	27.401	1.628



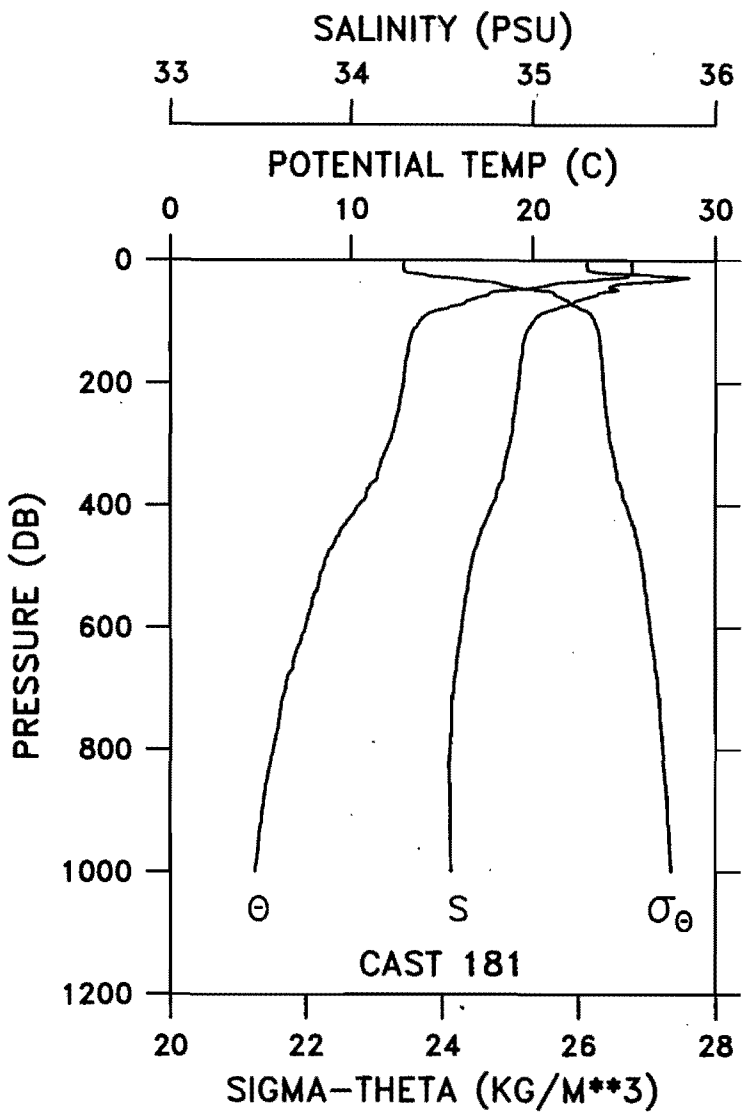
CAST GP5-98-KA-0161 DATE 22 SEP 98 TIME 0303 GMT
LAT 07 57.9S LONG 125 01.8W WEATHER 1 SEA STATE 5
BAROMETER 12 WIND DIR 113 T SPD 14 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 25.6 WET 22.9 DEPTH 4470 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.066	35.013	23.025	0.000
10	26.061	35.008	23.022	0.048
20	26.064	35.010	23.023	0.097
30	26.050	35.010	23.027	0.145
40	26.047	35.011	23.029	0.194
50	26.000	35.009	23.042	0.242
60	25.979	35.011	23.050	0.290
70	25.517	35.043	23.217	0.338
80	25.299	35.055	23.293	0.384
90	25.225	35.079	23.334	0.430
100	25.132	35.071	23.356	0.476
110	25.058	35.078	23.384	0.522
120	24.877	35.093	23.450	0.567
130	24.111	35.177	23.744	0.610
140	22.357	35.193	24.265	0.650
150	20.128	35.485	25.099	0.682
160	19.609	35.580	25.308	0.711
170	17.741	35.329	25.589	0.737
180	16.043	35.150	25.854	0.760
190	14.769	35.053	26.064	0.781
200	13.899	35.010	26.217	0.800
250	12.255	34.902	26.465	0.886
300	11.551	34.855	26.562	0.965
350	11.000	34.816	26.633	1.041
400	10.347	34.775	26.716	1.113
450	9.618	34.729	26.805	1.182
500	8.911	34.687	26.887	1.246
550	8.209	34.645	26.964	1.307
600	7.614	34.615	27.028	1.365
650	7.187	34.594	27.073	1.421
700	6.554	34.568	27.139	1.474
750	6.055	34.552	27.192	1.523
800	5.637	34.544	27.238	1.571
900	5.032	34.539	27.306	1.661
1000	4.598	34.540	27.357	1.745
1005	4.577	34.540	27.359	1.749



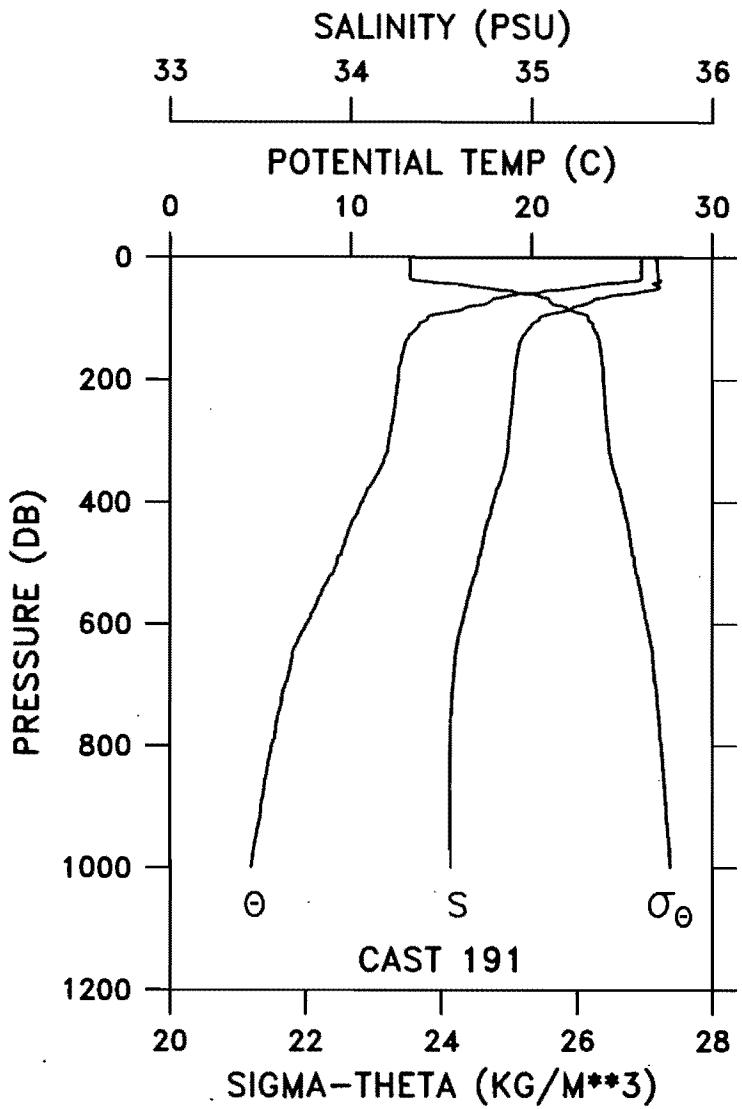
CAST GP5-98-KA-0171 DATE 26 SEP 98 TIME 0132 GMT
LAT 04 59.8S LONG 139 54.3W WEATHER 0 SEA STATE 4
BAROMETER 10 WIND DIR 088 T SPD 17 KT VISIBILITY 7
CLOUD AMOUNT 0 DRY 27.5 WET 24.5 DEPTH 4363 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.200	35.527	23.371	0.000
10	26.203	35.528	23.370	0.045
20	26.105	35.515	23.391	0.090
30	25.246	35.395	23.567	0.135
40	22.485	35.737	24.642	0.173
50	20.704	35.782	25.171	0.203
60	19.582	35.616	25.343	0.231
70	18.248	35.441	25.550	0.256
80	16.825	35.313	25.797	0.279
90	15.178	35.145	26.045	0.300
100	13.951	35.045	26.233	0.319
110	13.570	34.993	26.272	0.337
120	13.251	34.958	26.311	0.355
130	13.126	34.944	26.325	0.372
140	13.005	34.931	26.339	0.389
150	12.886	34.922	26.356	0.406
160	12.794	34.916	26.370	0.423
170	12.719	34.911	26.381	0.440
180	12.653	34.907	26.391	0.457
190	12.593	34.903	26.400	0.474
200	12.498	34.898	26.414	0.490
250	12.062	34.875	26.481	0.572
300	11.569	34.846	26.552	0.651
350	10.608	34.788	26.682	0.726
400	10.031	34.752	26.753	0.797
450	9.145	34.700	26.861	0.863
500	8.543	34.667	26.929	0.925
550	7.959	34.634	26.992	0.984
600	7.630	34.616	27.027	1.041
650	7.284	34.600	27.065	1.097
700	6.947	34.584	27.099	1.151
750	6.596	34.571	27.136	1.204
800	6.211	34.554	27.174	1.255
900	5.465	34.539	27.255	1.351
1000	4.961	34.540	27.315	1.440
1005	4.932	34.540	27.319	1.444



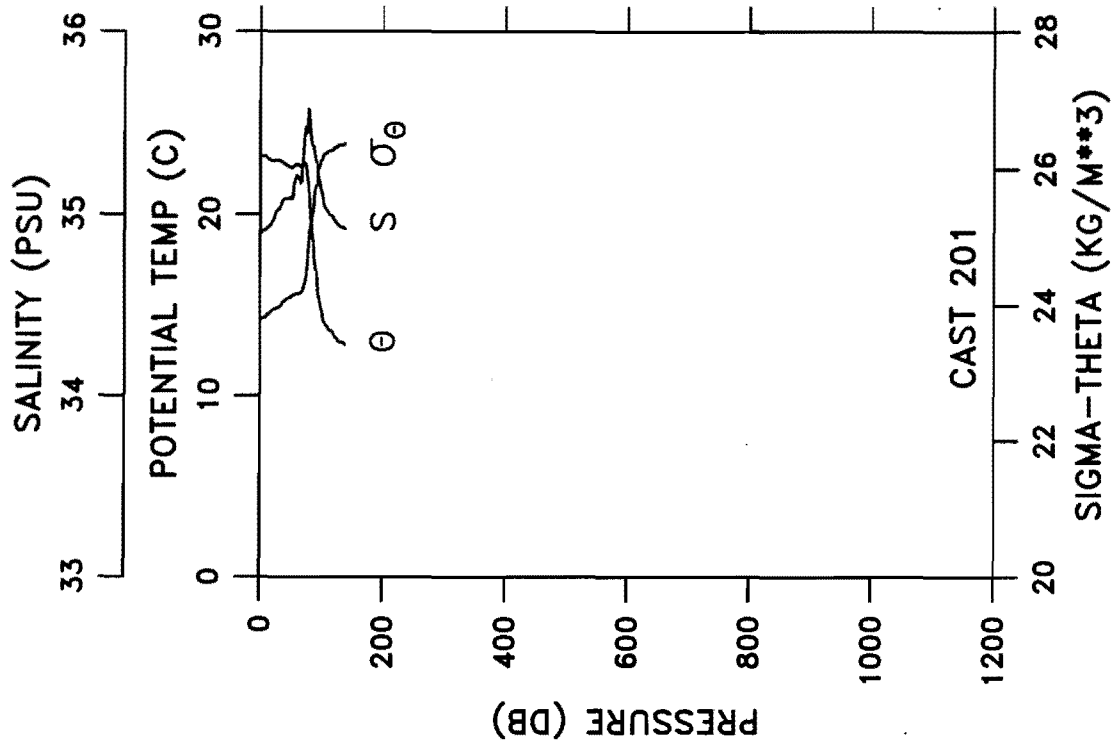
CAST GP5-98-KA-0181 DATE 26 SEP 98 TIME 0906 GMT
LAT 03 59.6S LONG 139 54.7W WEATHER 1 SEA STATE 4
BAROMETER 14 WIND DIR 088 T SPD 11 KT VISIBILITY 7
CLOUD 9 AMOUNT 9 DRY 25.1 WET 23.6 DEPTH 4517 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.415	35.300	23.443	0.000
10	25.423	35.298	23.439	0.044
20	25.441	35.371	23.489	0.089
30	23.929	35.805	24.274	0.129
40	20.870	35.445	24.869	0.163
50	18.154	35.425	25.560	0.191
60	17.001	35.301	25.746	0.214
70	16.208	35.215	25.866	0.236
80	14.955	35.108	26.066	0.257
90	14.110	35.030	26.188	0.276
100	13.757	34.999	26.238	0.294
110	13.520	34.976	26.269	0.312
120	13.328	34.958	26.294	0.329
130	13.235	34.949	26.306	0.347
140	13.161	34.942	26.316	0.364
150	13.144	34.941	26.318	0.382
160	13.031	34.933	26.335	0.399
170	12.984	34.929	26.342	0.416
180	12.953	34.926	26.346	0.433
190	12.912	34.923	26.351	0.450
200	12.857	34.919	26.359	0.468
250	12.552	34.896	26.402	0.553
300	12.081	34.873	26.476	0.636
350	11.475	34.836	26.561	0.715
400	10.405	34.775	26.707	0.789
450	9.316	34.708	26.839	0.857
500	8.502	34.660	26.931	0.919
550	7.925	34.630	26.994	0.979
600	7.471	34.607	27.043	1.035
650	6.858	34.581	27.109	1.090
700	6.366	34.563	27.160	1.141
750	6.033	34.552	27.195	1.190
800	5.677	34.543	27.232	1.238
900	5.099	34.546	27.304	1.328
1000	4.695	34.550	27.353	1.413
1005	4.678	34.550	27.355	1.418



CAST GP5-98-KA-0191 DATE 26 SEP 98 TIME 1626 GMT
LAT 02 59.3S LONG 139 55.0W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 114 T SPD 14 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 25.5 WET 24.0 DEPTH 4285 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.059	35.689	23.537	0.000
10	26.057	35.695	23.542	0.043
20	26.060	35.697	23.542	0.087
30	26.059	35.697	23.543	0.130
40	25.062	35.707	23.858	0.173
50	22.253	35.700	24.680	0.210
60	19.259	35.500	25.338	0.239
70	17.770	35.339	25.590	0.264
80	16.513	35.238	25.813	0.288
90	15.273	35.138	26.019	0.309
100	14.245	35.039	26.166	0.328
110	13.764	34.997	26.235	0.346
120	13.514	34.974	26.268	0.364
130	13.205	34.948	26.312	0.382
140	12.992	34.931	26.342	0.399
150	12.915	34.925	26.352	0.416
160	12.829	34.918	26.364	0.433
170	12.774	34.913	26.371	0.450
180	12.670	34.909	26.388	0.467
190	12.646	34.904	26.390	0.484
200	12.636	34.903	26.391	0.500
250	12.411	34.888	26.423	0.584
300	12.119	34.870	26.466	0.667
350	11.551	34.842	26.552	0.747
400	10.614	34.787	26.680	0.822
450	9.849	34.739	26.774	0.892
500	9.261	34.703	26.844	0.959
550	8.376	34.654	26.946	1.022
600	7.577	34.613	27.032	1.080
650	6.770	34.579	27.119	1.134
700	6.368	34.565	27.162	1.185
750	5.965	34.555	27.206	1.234
800	5.602	34.549	27.247	1.282
900	5.027	34.547	27.313	1.371
1000	4.472	34.554	27.381	1.454
1004	4.447	34.553	27.384	1.457

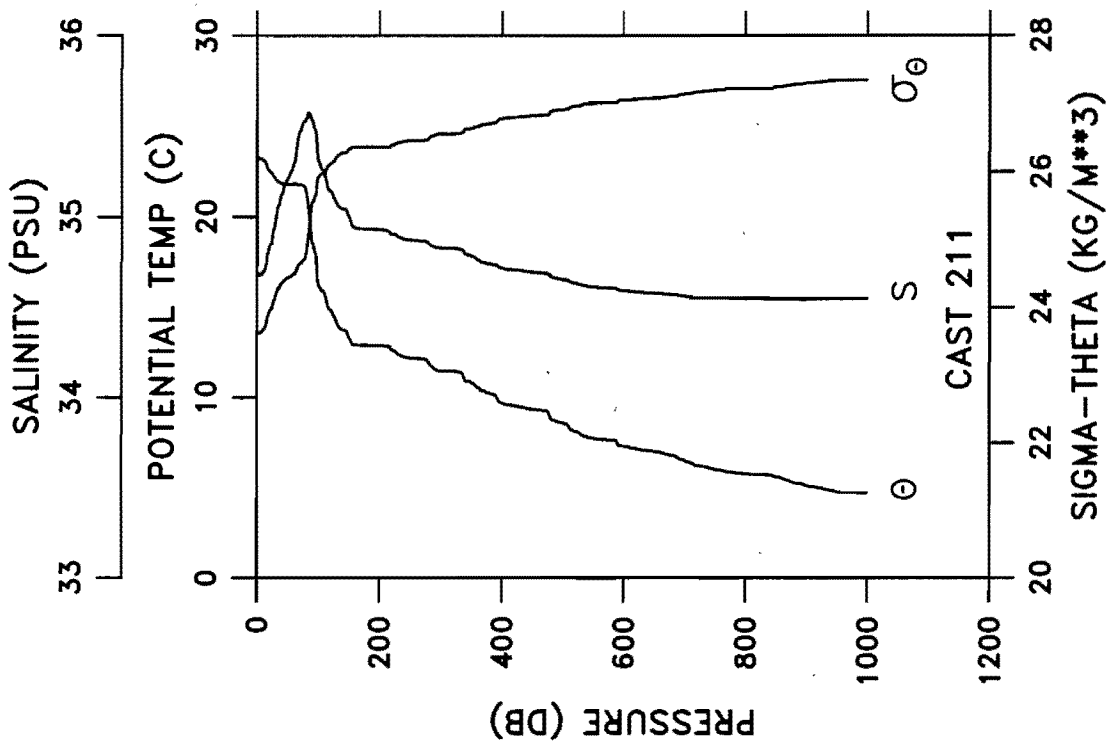


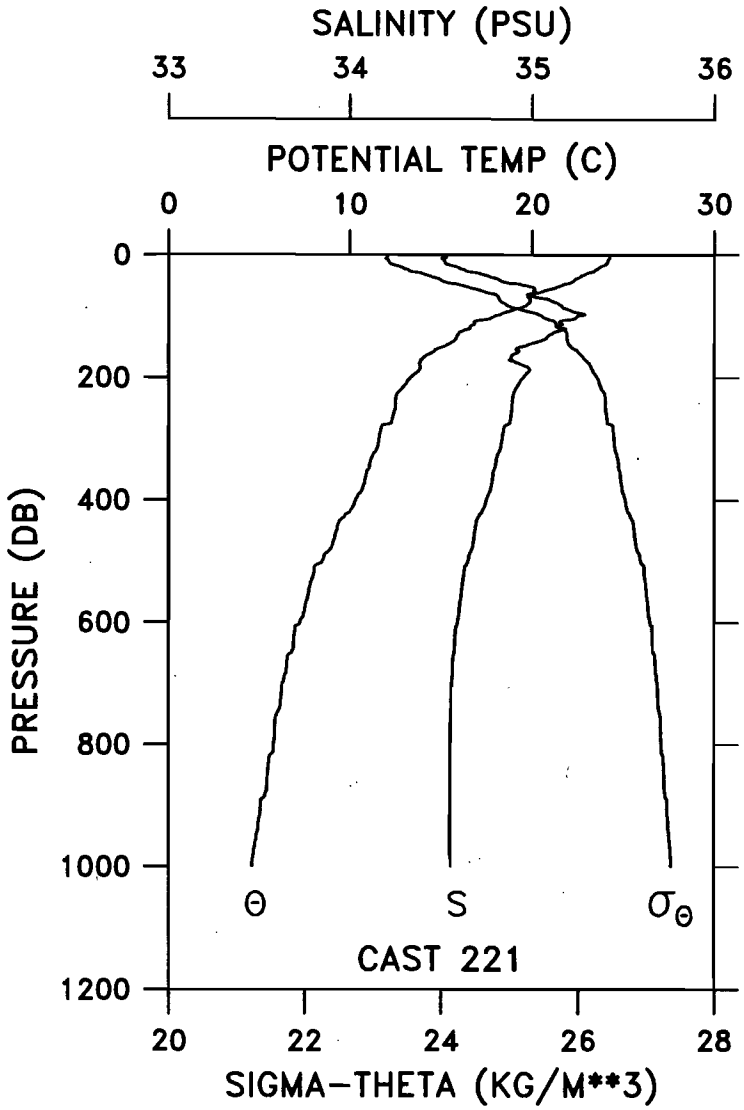
CAST GP5-98-KA-0201 DATE 27 SEP 98 TIME 0719 GMT
LAT 02 01.3S LONG 139 57.3W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 009 T SPD 04 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 23.1 WET 23.1 DEPTH 4337 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.182	34.895	23.803	0.000
10	23.139	34.916	23.832	0.041
20	22.923	34.964	23.930	0.081
30	22.952	35.030	23.972	0.121
40	22.776	35.088	24.066	0.160
50	22.587	35.094	24.124	0.198
60	22.741	35.210	24.169	0.236
70	22.775	35.316	24.239	0.273
80	20.698	35.546	24.993	0.308
90	17.071	35.304	25.732	0.334
100	14.737	35.122	26.124	0.355
110	13.796	35.014	26.241	0.373
120	13.373	34.970	26.295	0.391
130	12.984	34.934	26.345	0.408
138	12.821	34.919	26.367	0.422

CAST GP5-98-KA-0211 DATE 27 SEP 98 TIME 1715 GMT
LAT 00 59.7S LONG 139 57.1W WEATHER 2 SEA STATE 4
BAROMETER 13 WIND DIR 122 T SPD 09 KT VISIBILITY 7
CLOUD 8 AMOUNT 8 DRY 23.5 WET 22.9 DEPTH 4245 M

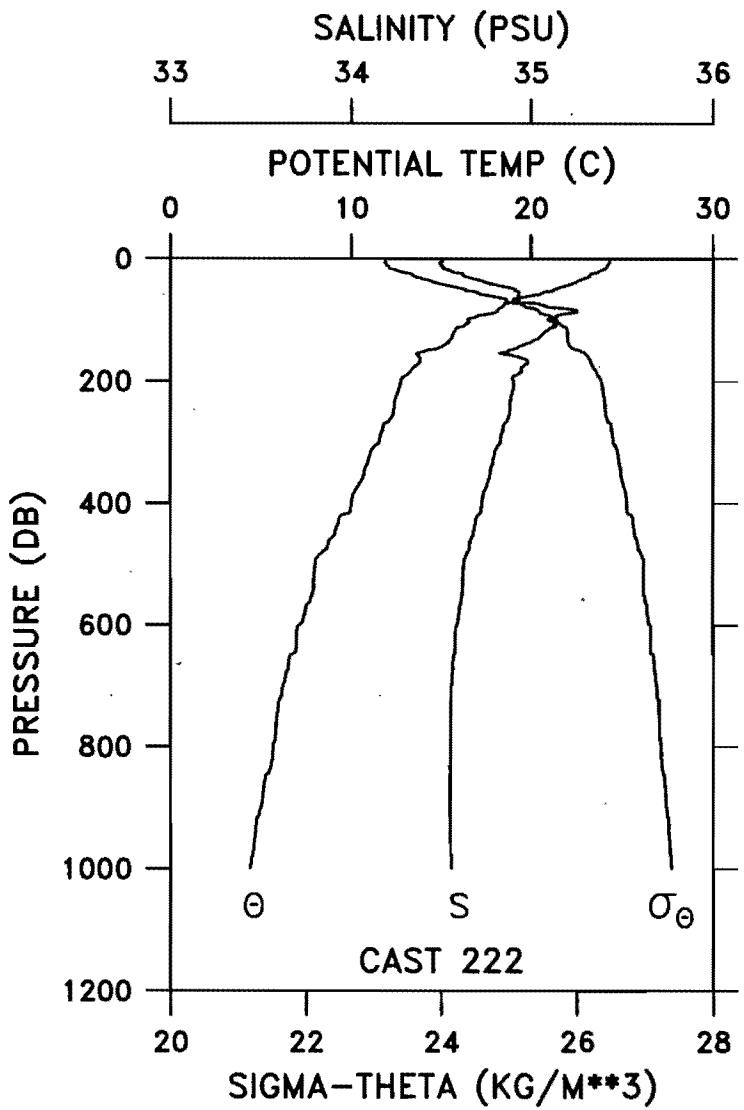
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.250	34.688	23.627	0.000
10	23.100	34.700	23.678	0.042
20	22.507	34.835	23.951	0.084
30	22.097	34.981	24.178	0.122
40	21.830	35.127	24.363	0.159
50	21.784	35.208	24.437	0.194
60	21.815	35.294	24.495	0.229
70	21.752	35.472	24.647	0.263
80	21.338	35.543	24.816	0.295
90	18.546	35.532	25.544	0.323
100	16.235	35.308	25.932	0.346
110	15.748	35.241	25.991	0.367
120	14.852	35.139	26.113	0.387
130	14.120	35.070	26.216	0.406
140	13.759	35.043	26.271	0.424
150	13.306	34.998	26.330	0.441
160	12.922	34.939	26.362	0.458
170	12.904	34.934	26.362	0.475
180	12.899	34.933	26.362	0.492
190	12.884	34.931	26.363	0.509
200	12.876	34.929	26.364	0.526
250	12.201	34.873	26.452	0.610
300	11.478	34.828	26.555	0.690
350	10.834	34.783	26.637	0.767
400	9.713	34.718	26.781	0.838
450	9.358	34.695	26.822	0.904
500	8.610	34.655	26.910	0.968
550	7.750	34.613	27.007	1.027
600	7.316	34.593	27.054	1.084
650	7.026	34.581	27.085	1.138
700	6.497	34.563	27.143	1.191
750	6.003	34.554	27.200	1.240
800	5.758	34.550	27.228	1.288
900	5.094	34.546	27.304	1.380
1000	4.700	34.551	27.353	1.465
1006	4.696	34.550	27.353	1.470





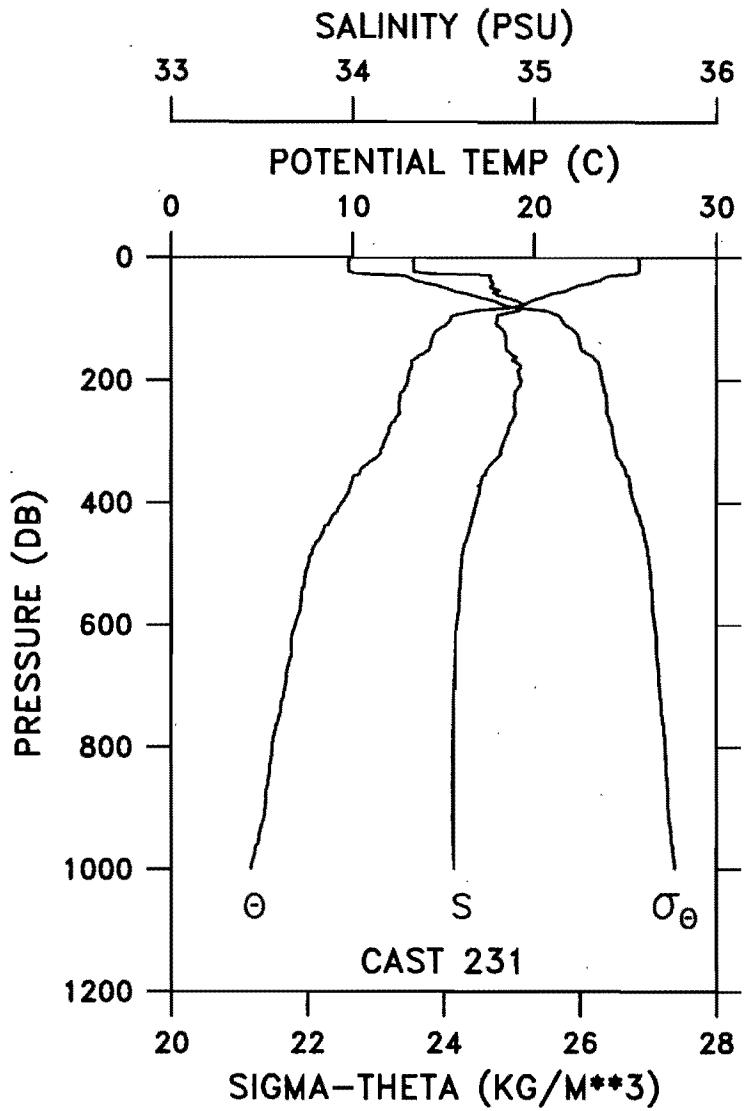
CAST GP5-98-KA-0221 DATE 28 SEP 98 TIME 0928 GMT
LAT 00 02.1N LONG 140 06.3W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 094 T SPD 14 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 24.3 WET 23.5 DEPTH 4330 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.230	34.533	23.221	0.000
10	24.133	34.520	23.240	0.046
20	23.687	34.592	23.426	0.092
30	22.986	34.708	23.718	0.136
40	22.333	34.817	23.986	0.176
50	21.525	34.972	24.330	0.214
60	20.537	35.019	24.635	0.249
70	19.826	35.052	24.848	0.281
80	19.743	35.148	24.944	0.311
90	18.910	35.207	25.204	0.341
100	17.891	35.246	25.489	0.367
110	16.820	35.147	25.671	0.391
120	16.571	35.185	25.758	0.415
130	15.903	35.093	25.842	0.437
140	15.711	35.045	25.849	0.459
150	15.072	34.935	25.907	0.480
160	14.476	34.912	26.019	0.501
170	13.997	34.888	26.102	0.521
180	13.845	34.952	26.183	0.540
190	13.749	34.981	26.225	0.559
200	13.336	34.949	26.286	0.577
250	12.522	34.891	26.404	0.662
300	11.637	34.837	26.532	0.744
350	11.038	34.792	26.607	0.821
400	10.341	34.749	26.697	0.894
450	9.273	34.689	26.830	0.962
500	8.489	34.649	26.924	1.026
550	7.754	34.614	27.007	1.084
600	7.256	34.592	27.062	1.140
650	6.796	34.574	27.111	1.193
700	6.280	34.561	27.170	1.244
750	5.958	34.556	27.207	1.293
800	5.784	34.553	27.227	1.341
900	5.067	34.550	27.311	1.432
1000	4.591	34.554	27.368	1.515
1500	2.963	34.602	27.571	1.872
2000	2.161	34.640	27.671	2.153
2500	1.695	34.663	27.725	2.402
3000	1.453	34.674	27.752	2.634
3500	1.259	34.684	27.774	2.859
4000	1.087	34.694	27.794	3.076
4006	1.086	34.694	27.794	3.078



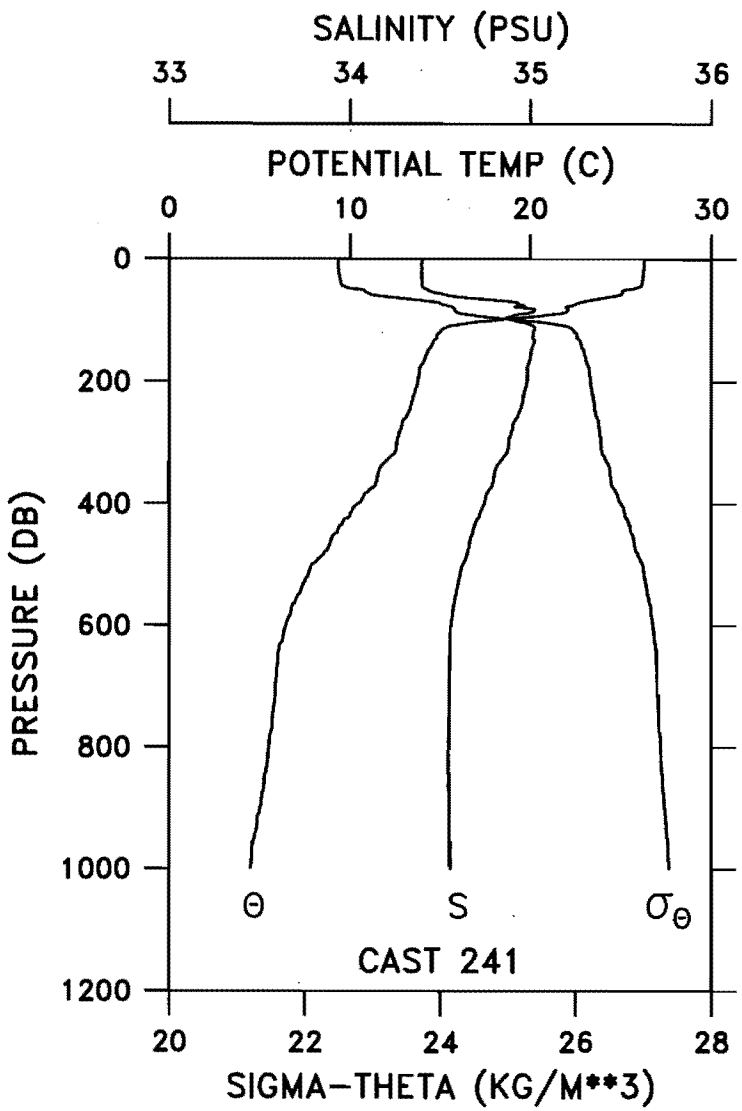
CAST GP5-98-KA-0222 DATE 29 SEP 98 TIME 0729 GMT
LAT 00 00.6N LONG 139 58.5W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 105 T SPD 18 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 24.5 WET 22.5 DEPTH 4358 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.321	34.508	23.176	0.000
10	24.233	34.500	23.196	0.047
20	23.773	34.557	23.375	0.093
30	23.107	34.646	23.636	0.137
40	22.292	34.768	23.961	0.178
50	21.218	34.913	24.369	0.215
60	20.004	34.928	24.707	0.249
70	19.037	34.936	24.964	0.280
80	18.269	35.161	25.330	0.308
90	17.644	35.178	25.497	0.334
100	16.485	35.099	25.713	0.358
110	16.234	35.139	25.802	0.380
120	15.702	35.068	25.869	0.402
130	15.570	35.034	25.872	0.424
140	15.224	34.956	25.890	0.445
150	14.136	34.872	26.060	0.466
160	13.803	34.926	26.172	0.485
170	13.784	34.977	26.216	0.504
180	13.398	34.943	26.269	0.522
190	13.045	34.911	26.316	0.540
200	12.743	34.903	26.369	0.557
250	12.356	34.881	26.428	0.641
300	11.540	34.827	26.542	0.721
350	10.711	34.772	26.650	0.796
400	9.995	34.724	26.738	0.867
450	9.084	34.678	26.853	0.933
500	7.992	34.626	26.981	0.994
550	7.833	34.617	26.998	1.052
600	7.095	34.587	27.080	1.108
650	6.602	34.571	27.135	1.161
700	6.221	34.558	27.175	1.211
750	5.878	34.553	27.215	1.259
800	5.661	34.552	27.242	1.307
900	4.999	34.550	27.318	1.396
1000	4.393	34.558	27.393	1.477
1005	4.377	34.557	27.394	1.481



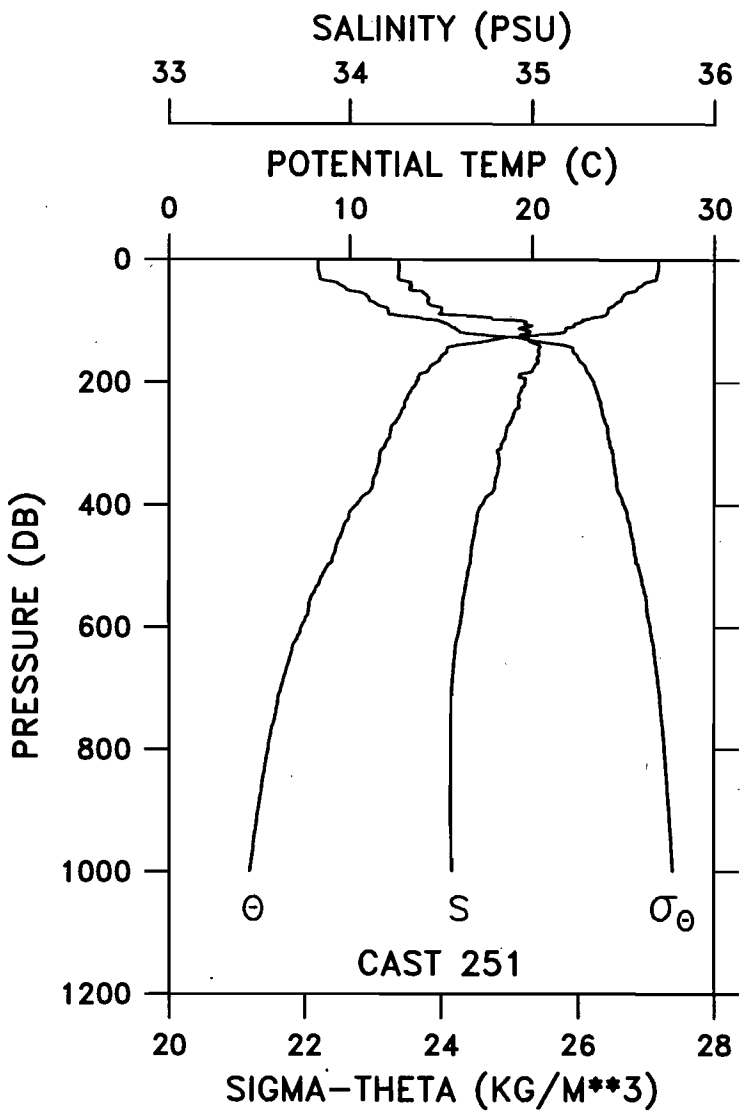
CAST GP5-98-KA-0231 DATE 29 SEP 98 TIME 1455 GMT
LAT 01 00.1N LONG 140 20.2W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 105 T SPD 18 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 24.5 WET 23.0 DEPTH 3725 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.699	34.336	22.628	0.000
10	25.757	34.336	22.610	0.052
20	25.752	34.335	22.611	0.105
30	24.098	34.762	23.434	0.155
40	23.223	34.769	23.696	0.198
50	22.005	34.766	24.040	0.239
60	20.854	34.796	24.379	0.276
70	19.872	34.901	24.721	0.310
80	18.986	34.933	24.975	0.342
90	16.209	34.860	25.593	0.368
100	15.390	34.795	25.729	0.392
110	15.116	34.796	25.790	0.414
120	14.596	34.832	25.931	0.436
130	14.403	34.842	25.980	0.457
140	14.313	34.844	26.001	0.477
150	14.198	34.846	26.027	0.497
160	13.623	34.890	26.182	0.517
170	13.240	34.900	26.268	0.535
180	13.214	34.922	26.290	0.553
190	13.090	34.918	26.312	0.571
200	13.055	34.931	26.329	0.588
250	12.583	34.894	26.394	0.673
300	11.739	34.831	26.507	0.755
350	10.411	34.733	26.673	0.832
400	9.407	34.680	26.802	0.901
450	8.339	34.637	26.938	0.964
500	7.553	34.600	27.025	1.021
550	7.201	34.587	27.066	1.076
600	6.856	34.573	27.103	1.129
650	6.635	34.567	27.128	1.181
700	6.290	34.560	27.168	1.231
750	5.932	34.555	27.210	1.280
800	5.557	34.551	27.253	1.326
900	5.154	34.551	27.302	1.416
1000	4.364	34.559	27.397	1.499
1006	4.347	34.558	27.398	1.504



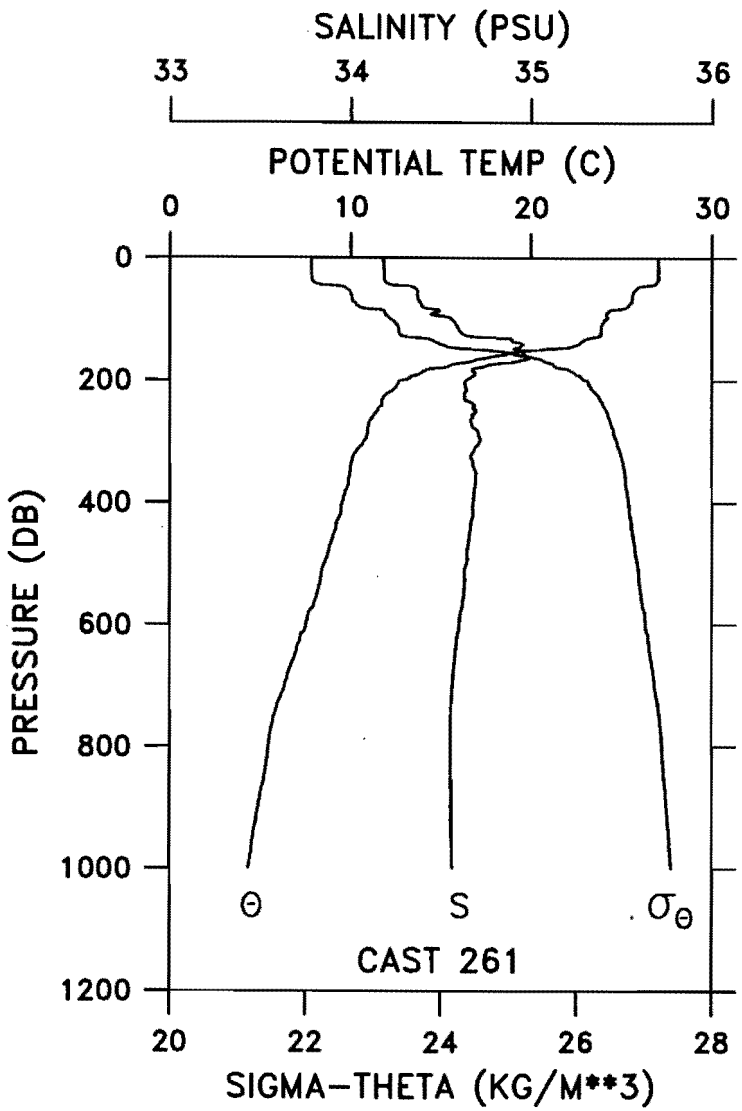
CAST GP5-98-KA-0241 DATE 30 SEP 98 TIME 1924 GMT
LAT 02 00.4N LONG 139 59.3W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 133 T SPD 17 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 25.8 WET 23.5 DEPTH 4381 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.301	34.399	22.488	0.000
10	26.293	34.397	22.489	0.053
20	26.265	34.398	22.499	0.107
30	26.224	34.399	22.512	0.160
40	26.162	34.399	22.532	0.214
50	25.221	34.436	22.850	0.266
60	24.696	34.554	23.098	0.315
70	22.828	34.929	23.930	0.359
80	22.036	34.992	24.203	0.398
90	21.291	34.936	24.367	0.435
100	18.082	34.905	25.180	0.467
110	15.445	35.022	25.891	0.491
120	14.956	35.017	25.996	0.512
130	14.757	35.013	26.036	0.532
140	14.536	35.016	26.086	0.552
150	14.315	35.004	26.124	0.571
160	14.177	34.999	26.150	0.590
170	14.052	34.991	26.170	0.609
180	13.855	34.982	26.205	0.628
190	13.827	34.983	26.211	0.646
200	13.764	34.981	26.223	0.665
250	13.253	34.938	26.294	0.756
300	12.622	34.882	26.377	0.843
350	11.572	34.802	26.516	0.927
400	10.443	34.745	26.677	1.004
450	9.159	34.677	26.840	1.072
500	7.892	34.627	26.998	1.134
550	7.161	34.589	27.072	1.190
600	6.455	34.561	27.147	1.241
650	6.017	34.554	27.198	1.290
700	5.887	34.553	27.214	1.337
750	5.713	34.551	27.234	1.384
800	5.520	34.548	27.255	1.430
900	5.032	34.552	27.316	1.519
1000	4.479	34.558	27.384	1.601
1005	4.433	34.559	27.389	1.605



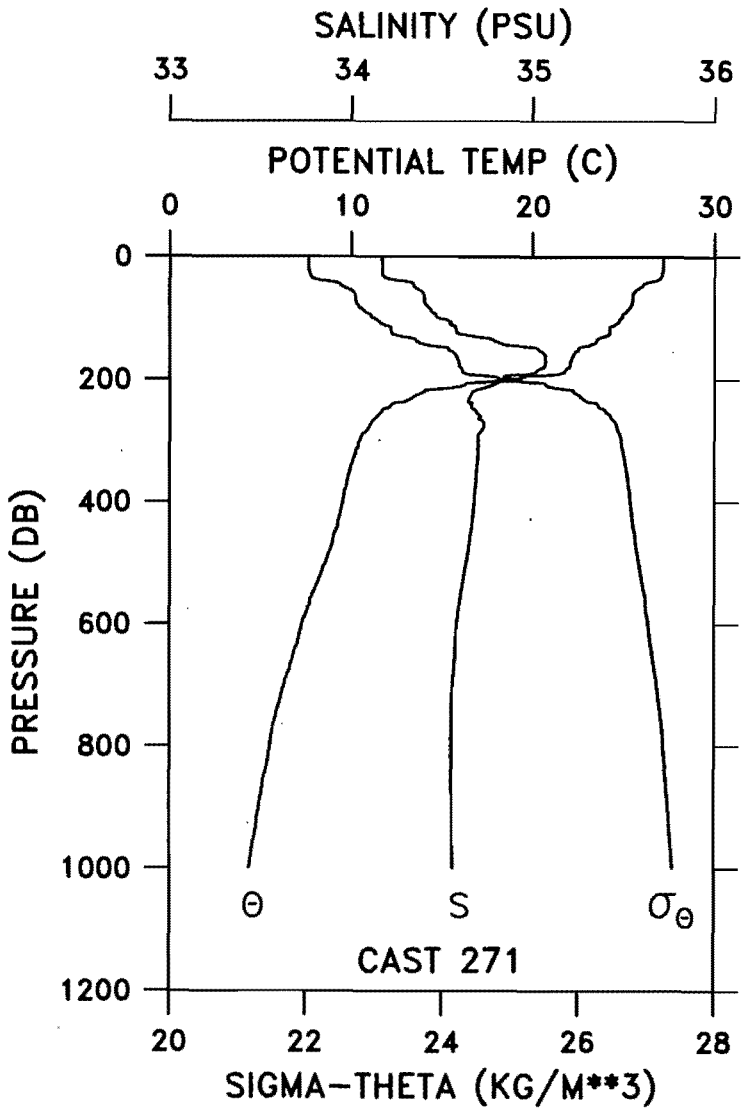
CAST GP5-98-KA-0251 DATE 01 OCT 98 TIME 0312 GMT
LAT 02 59.9N LONG 139 58.2W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 118 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 25.1 WET 22.3 DEPTH 4297 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.920	34.271	22.196	0.000
10	26.918	34.270	22.196	0.056
20	26.875	34.268	22.208	0.113
30	26.808	34.266	22.228	0.169
40	26.069	34.330	22.508	0.223
50	25.671	34.343	22.642	0.276
60	24.938	34.429	22.930	0.327
70	24.612	34.431	23.030	0.376
80	24.156	34.505	23.222	0.423
90	23.994	34.579	23.326	0.470
100	22.752	34.958	23.975	0.512
110	22.051	34.954	24.170	0.551
120	21.259	34.972	24.403	0.588
130	17.888	34.981	25.286	0.619
140	15.772	35.040	25.831	0.644
150	15.307	35.034	25.931	0.665
160	14.948	35.027	26.005	0.686
170	14.602	35.020	26.075	0.706
180	14.304	35.000	26.123	0.725
190	13.745	34.925	26.183	0.744
200	13.645	34.961	26.232	0.763
250	12.797	34.901	26.357	0.852
300	11.956	34.833	26.468	0.935
350	11.419	34.808	26.550	1.015
400	10.335	34.722	26.678	1.091
450	9.510	34.681	26.785	1.161
500	8.772	34.655	26.885	1.226
550	7.877	34.624	26.997	1.286
600	7.307	34.603	27.063	1.343
650	6.678	34.575	27.128	1.396
700	6.180	34.561	27.183	1.446
750	5.825	34.556	27.224	1.494
800	5.475	34.555	27.266	1.540
900	4.900	34.555	27.334	1.627
1000	4.435	34.561	27.391	1.708
1004	4.424	34.561	27.392	1.712



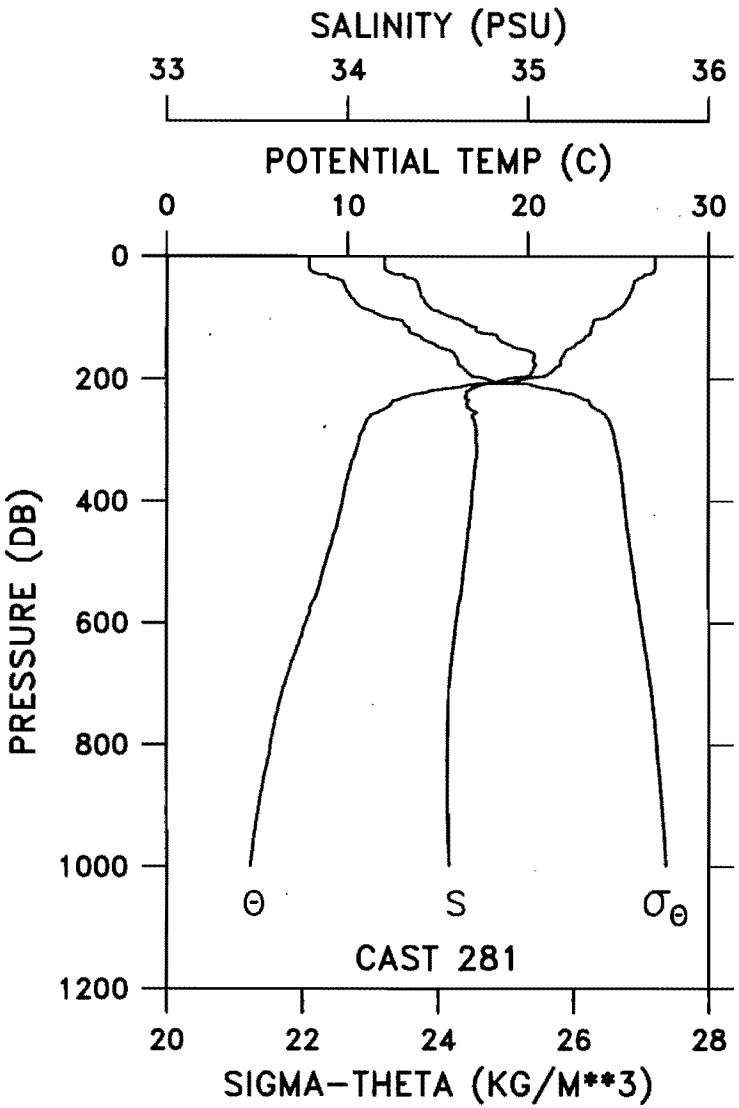
CAST GP5-98-KA-0261 DATE 01 OCT 98 TIME 1020 GMT
LAT 04 00.4N LONG 139 58.5W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 126 T SPD 14 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 25.2 WET 23.8 DEPTH 4331 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.052	34.181	22.086	0.000
10	27.052	34.184	22.089	0.057
20	27.050	34.185	22.090	0.115
30	27.049	34.185	22.090	0.172
40	26.960	34.196	22.127	0.229
50	25.847	34.361	22.601	0.284
60	25.618	34.369	22.678	0.336
70	25.583	34.380	22.696	0.388
80	25.293	34.402	22.802	0.439
90	24.168	34.454	23.180	0.488
100	24.142	34.561	23.269	0.535
110	23.889	34.588	23.364	0.581
120	23.864	34.610	23.388	0.626
130	23.319	34.768	23.667	0.671
140	22.679	34.948	23.988	0.712
150	20.272	34.935	24.641	0.749
160	18.005	34.979	25.255	0.779
170	16.524	34.902	25.552	0.805
180	14.610	34.687	25.816	0.829
190	13.776	34.690	25.995	0.850
200	12.720	34.642	26.172	0.870
250	11.491	34.698	26.451	0.958
300	10.727	34.716	26.604	1.036
350	9.975	34.698	26.721	1.108
400	9.538	34.682	26.782	1.177
450	9.106	34.664	26.838	1.243
500	8.544	34.645	26.912	1.306
550	8.153	34.630	26.960	1.367
600	7.533	34.604	27.032	1.425
650	6.936	34.582	27.099	1.479
700	6.345	34.567	27.167	1.530
750	5.745	34.559	27.237	1.579
800	5.434	34.557	27.273	1.624
900	4.883	34.559	27.339	1.711
1000	4.336	34.567	27.406	1.791
1010	4.254	34.567	27.415	1.799



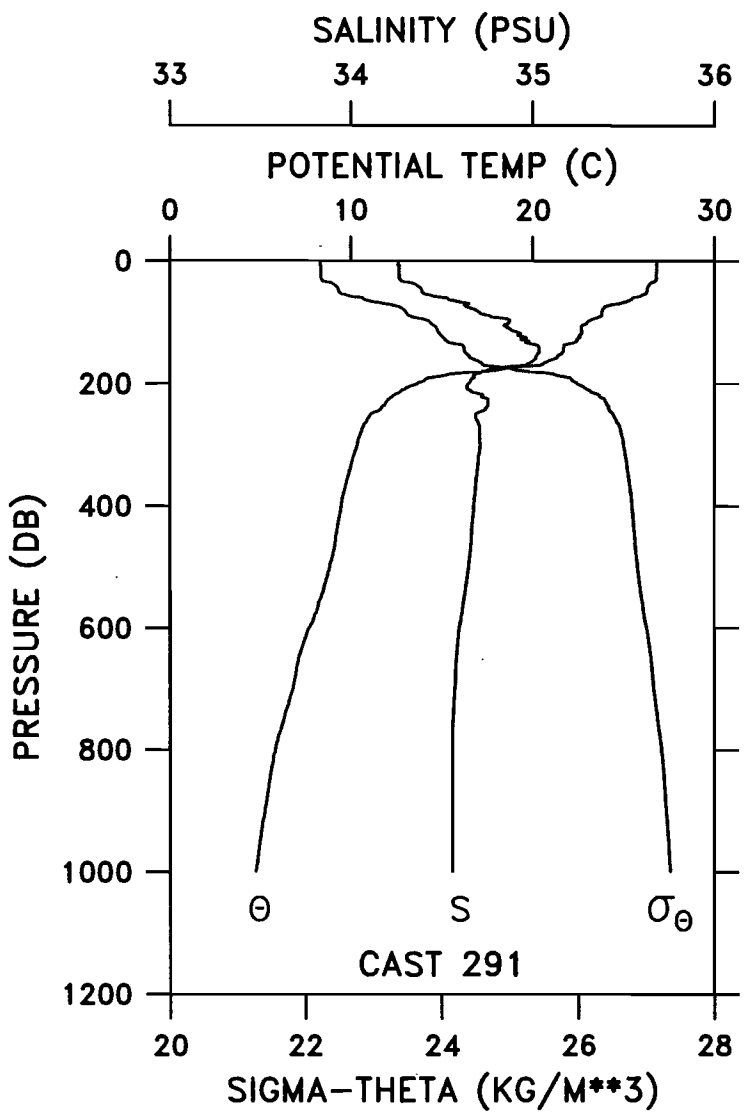
CAST GP5-98-KA-0271 DATE 02 OCT 98 TIME 0210 GMT
LAT 05 18.0N LONG 139 54.4W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 127 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 8 DRY 26.0 WET 23.5 DEPTH 4532 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.170	34.167	22.038	0.000
10	27.169	34.171	22.041	0.058
20	27.152	34.170	22.046	0.116
30	27.089	34.172	22.068	0.173
40	26.598	34.302	22.322	0.230
50	25.914	34.355	22.575	0.284
60	25.527	34.400	22.729	0.336
70	25.507	34.403	22.737	0.387
80	25.418	34.421	22.778	0.438
90	25.151	34.447	22.879	0.489
100	24.858	34.490	23.001	0.538
110	24.543	34.546	23.138	0.587
120	24.236	34.581	23.256	0.634
130	23.902	34.687	23.435	0.680
140	23.452	34.816	23.665	0.723
150	22.517	35.030	24.097	0.764
160	22.245	35.071	24.204	0.802
170	22.080	35.072	24.251	0.840
180	21.970	35.057	24.271	0.877
190	21.508	34.992	24.350	0.914
200	19.194	34.927	24.917	0.947
250	11.719	34.686	26.399	1.054
300	10.471	34.700	26.637	1.132
350	9.948	34.692	26.721	1.203
400	9.571	34.679	26.774	1.272
450	9.125	34.660	26.832	1.338
500	8.605	34.635	26.895	1.402
550	7.881	34.604	26.981	1.463
600	7.331	34.585	27.046	1.520
650	6.874	34.575	27.102	1.574
700	6.329	34.562	27.164	1.625
750	5.873	34.556	27.218	1.674
800	5.547	34.552	27.255	1.720
900	4.942	34.558	27.331	1.808
1000	4.408	34.562	27.395	1.890
1005	4.395	34.562	27.396	1.893



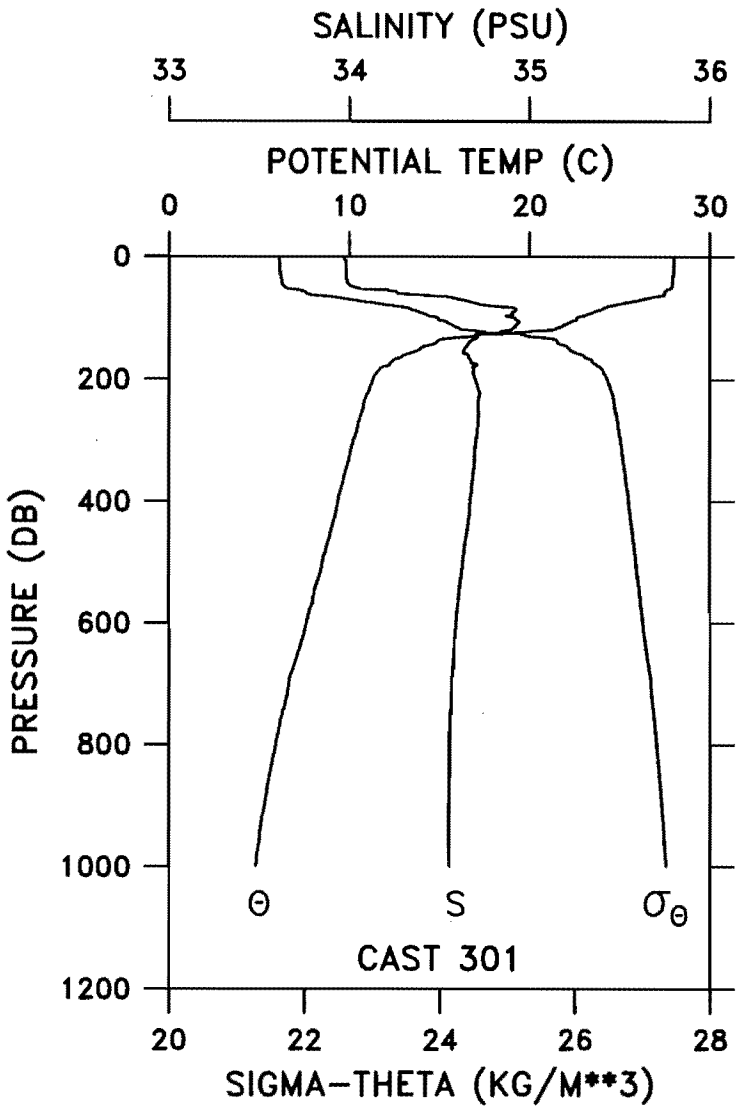
CAST GP5-98-KA-0281 DATE 02 OCT 98 TIME 0847 GMT
LAT 05 59.4N LONG 139 58.4W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 127 T SPD 15 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 26.0 WET 23.0 DEPTH 4832 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.072	34.204	22.098	0.000
10	27.065	34.202	22.098	0.057
20	27.057	34.206	22.103	0.114
30	26.479	34.314	22.368	0.171
40	25.924	34.382	22.592	0.225
50	25.824	34.394	22.633	0.277
60	25.679	34.406	22.686	0.329
70	25.477	34.424	22.763	0.381
80	25.291	34.440	22.831	0.432
90	24.761	34.509	23.044	0.482
100	24.327	34.579	23.228	0.529
110	23.610	34.657	23.498	0.574
120	23.500	34.712	23.572	0.618
130	23.240	34.829	23.736	0.661
140	22.836	34.860	23.876	0.703
150	22.378	34.939	24.066	0.743
160	21.999	35.036	24.247	0.781
170	21.800	35.028	24.297	0.818
180	21.592	35.036	24.361	0.854
190	21.237	35.019	24.445	0.890
200	19.842	34.887	24.718	0.925
250	11.994	34.684	26.345	1.038
300	10.616	34.712	26.620	1.115
350	10.108	34.703	26.702	1.188
400	9.707	34.689	26.759	1.257
450	9.315	34.670	26.809	1.324
500	8.799	34.649	26.875	1.389
550	8.310	34.628	26.935	1.451
600	7.687	34.599	27.006	1.510
650	7.078	34.581	27.078	1.566
700	6.523	34.564	27.140	1.619
750	6.053	34.557	27.196	1.669
800	5.702	34.554	27.238	1.716
900	5.074	34.553	27.312	1.806
1000	4.603	34.562	27.373	1.889
1004	4.587	34.562	27.375	1.892



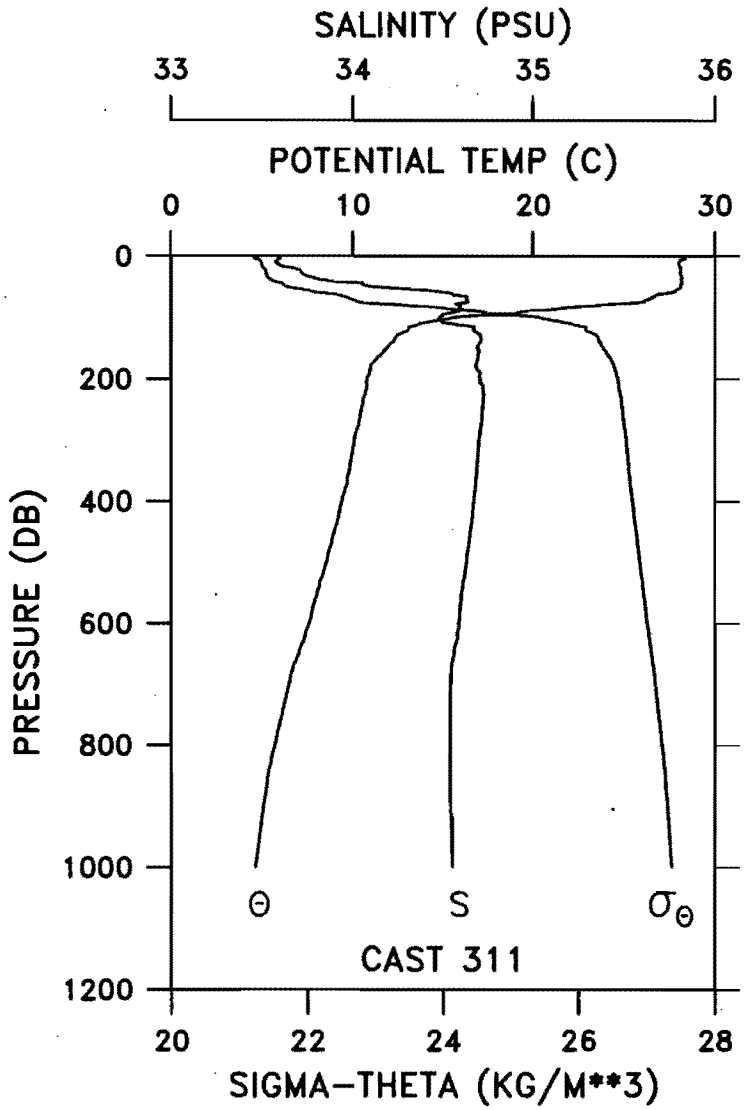
CAST GP5-98-KA-0291 DATE 02 OCT 98 TIME 1808 GMT
LAT 06 59.5N LONG 140 04.9W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 141 T SPD 11 KT VISIBILITY 7
CLOUD 0 AMOUNT 2 DRY 27.9 WET 24.9 DEPTH 4942 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.827	34.263	22.220	0.000
10	26.809	34.267	22.229	0.056
20	26.808	34.268	22.229	0.112
30	26.786	34.273	22.240	0.168
40	26.371	34.370	22.444	0.223
50	26.264	34.394	22.495	0.277
60	25.477	34.534	22.845	0.329
70	24.576	34.640	23.199	0.378
80	23.818	34.688	23.461	0.424
90	23.722	34.773	23.553	0.468
100	23.001	34.870	23.836	0.510
110	22.680	34.872	23.930	0.550
120	22.592	34.919	23.991	0.590
130	22.435	34.978	24.080	0.630
140	21.700	35.035	24.330	0.667
150	21.603	35.031	24.354	0.703
160	21.126	35.012	24.470	0.739
170	20.391	34.948	24.620	0.774
180	17.147	34.723	25.267	0.804
190	14.270	34.679	25.883	0.828
200	13.656	34.645	25.985	0.849
250	11.105	34.686	26.513	0.937
300	10.363	34.710	26.664	1.012
350	9.863	34.690	26.734	1.082
400	9.470	34.676	26.788	1.150
450	9.175	34.662	26.826	1.216
500	8.845	34.647	26.867	1.281
550	8.345	34.623	26.926	1.343
600	7.686	34.596	27.003	1.403
650	7.138	34.580	27.069	1.459
700	6.806	34.572	27.108	1.513
750	6.306	34.562	27.167	1.564
800	5.837	34.557	27.223	1.613
900	5.243	34.556	27.295	1.704
1000	4.736	34.559	27.356	1.790
1005	4.709	34.559	27.359	1.794



CAST GP5-98-KA-0301 DATE 03 OCT 98 TIME 0251 GMT
LAT 07 59.8N LONG 140 10.8W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 156 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 28.0 WET 24.9 DEPTH 5137 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.993	33.974	21.628	0.000
10	28.000	33.983	21.632	0.062
20	27.991	33.983	21.635	0.123
30	27.964	33.984	21.645	0.185
40	27.924	33.988	21.661	0.247
50	27.866	34.029	21.710	0.308
60	27.454	34.269	22.025	0.367
70	26.202	34.617	22.683	0.423
80	24.493	34.778	23.328	0.471
90	23.592	34.913	23.698	0.515
100	22.599	34.915	23.986	0.556
110	21.994	34.928	24.166	0.595
120	20.969	34.885	24.416	0.632
130	16.912	34.696	25.303	0.663
140	14.848	34.666	25.748	0.686
150	13.959	34.639	25.917	0.708
160	13.140	34.658	26.100	0.729
170	12.425	34.675	26.256	0.748
180	11.858	34.683	26.371	0.765
190	11.533	34.687	26.434	0.782
200	11.320	34.701	26.485	0.798
250	10.758	34.715	26.598	0.874
300	10.223	34.702	26.682	0.947
350	9.795	34.689	26.744	1.017
400	9.376	34.670	26.799	1.084
450	8.960	34.654	26.854	1.149
500	8.505	34.629	26.906	1.212
550	8.053	34.609	26.959	1.273
600	7.619	34.592	27.010	1.332
650	7.143	34.580	27.068	1.388
700	6.644	34.569	27.128	1.441
750	6.251	34.559	27.172	1.492
800	5.908	34.555	27.213	1.541
900	5.288	34.552	27.286	1.633
1000	4.789	34.555	27.346	1.719
1007	4.733	34.554	27.352	1.725



CAST GP5-98-KA-0311 DATE 03 OCT 98 TIME 2333 GMT
LAT 08 59.0N LONG 140 17.3W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 148 T SPD 05 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 27.4 WET 24.8 DEPTH 4871 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.378	33.601	21.221	0.000
10	28.014	33.575	21.321	0.065
20	28.134	33.679	21.360	0.130
30	28.121	33.726	21.400	0.194
40	28.173	33.866	21.488	0.258
50	28.116	34.123	21.700	0.320
60	27.417	34.542	22.242	0.378
70	26.398	34.629	22.631	0.432
80	23.721	34.599	23.422	0.482
90	19.591	34.580	24.550	0.521
100	15.612	34.482	25.437	0.552
110	13.740	34.547	25.892	0.575
120	13.108	34.670	26.116	0.595
130	12.427	34.713	26.285	0.613
140	12.273	34.710	26.312	0.631
150	11.889	34.692	26.371	0.648
160	11.589	34.698	26.433	0.665
170	11.255	34.692	26.489	0.680
180	11.005	34.683	26.528	0.696
190	10.935	34.709	26.561	0.711
200	10.794	34.707	26.585	0.726
250	10.492	34.720	26.649	0.800
300	10.077	34.700	26.705	0.871
350	9.808	34.689	26.742	0.940
400	9.404	34.672	26.796	1.007
450	8.981	34.652	26.849	1.073
500	8.548	34.631	26.901	1.136
550	8.051	34.604	26.956	1.197
600	7.621	34.590	27.008	1.255
650	7.020	34.563	27.072	1.311
700	6.474	34.544	27.131	1.364
750	6.089	34.539	27.177	1.414
800	5.686	34.539	27.228	1.462
900	5.058	34.545	27.308	1.552
1000	4.624	34.553	27.364	1.637
1004	4.606	34.554	27.366	1.640

CAST GP5-98-KA-0001 LAT 16 58.2N LONG 146 26.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1008.	4.390	34.523	4.310	27.375
1010.	4.388	34.523	4.309	27.375
1009.	4.389	34.524	4.310	27.375
1009.	4.388	34.524	4.309	27.375
1008.	4.390	34.523	4.310	27.375
1009.	4.389	34.524	4.310	27.375
1008.	4.390	34.524	4.310	27.375
1007.	4.390	34.523	4.310	27.375
1007.	4.390	34.524	4.311	27.375
1006.	4.391	34.524	4.311	27.375
1006.	4.390	34.524	4.311	27.375

CAST GP5-98-KA-0011 LAT 08 02.4N LONG 125 00.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	27.750	33.628	27.749	21.447
11.	27.755	33.628	27.752	21.446
26.	27.754	33.629	27.748	21.447
59.	27.545	33.929	27.532	21.752
100.	21.437	34.690	21.417	24.139
150.	13.844	34.653	13.823	25.957
199.	11.935	34.766	11.910	26.425
400.	9.648	34.676	9.602	26.767
600.	6.751	34.543	6.694	27.101
801.	5.342	34.544	5.274	27.281
1003.	4.389	34.561	4.310	27.404

CAST GP5-98-KA-0021 LAT 06 59.6N LONG 125 00.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	27.687	33.656	27.687	21.489
10.	27.689	33.657	27.687	21.488
25.	27.699	33.657	27.694	21.485
40.	27.703	33.657	27.693	21.487
60.	27.291	34.129	27.278	21.974
100.	24.079	34.877	24.058	23.528
150.	13.082	34.674	13.061	26.124
200.	11.545	34.734	11.519	26.474
399.	9.533	34.678	9.488	26.788
600.	7.115	34.566	7.057	27.068
800.	5.606	34.557	5.536	27.260
1004.	4.626	34.562	4.545	27.379

CAST GP5-98-KA-0031 LAT 05 06.3N LONG 124 52.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	27.586	33.670	27.586	21.532
10.	27.608	33.678	27.606	21.530
24.	27.611	33.747	27.605	21.591
39.	27.355	33.996	27.346	21.855
61.	26.742	34.261	26.728	22.260
100.	23.413	34.795	23.392	23.662
150.	15.299	34.680	15.276	25.661
200.	11.729	34.761	11.703	26.461
401.	9.121	34.655	9.077	26.838
600.	6.926	34.577	6.869	27.104
801.	5.490	34.554	5.421	27.272
1003.	4.549	34.562	4.469	27.388

CAST GP5-98-KA-0041 LAT 03 59.8N LONG 125 03.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	26.447	34.123	26.446	22.236
11.	26.448	34.124	26.446	22.236
27.	26.453	34.124	26.447	22.235
41.	26.458	34.123	26.448	22.234
61.	26.460	34.124	26.446	22.236
100.	24.836	34.365	24.815	22.918
151.	16.068	34.808	16.044	25.575
200.	11.099	34.637	11.075	26.479
400.	8.885	34.648	8.842	26.868
600.	6.619	34.569	6.563	27.140
801.	5.282	34.553	5.215	27.296
1007.	4.280	34.565	4.201	27.419

CAST GP5-98-KA-0051 LAT 03 00.1N LONG 125 12.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	26.677	34.014	26.676	22.080
10.	26.600	34.012	26.597	22.103
25.	26.501	34.012	26.495	22.135
40.	26.487	34.017	26.478	22.144
61.	26.300	34.081	26.287	22.262
100.	20.976	34.766	20.957	24.325
150.	12.647	34.648	12.627	26.199
200.	11.841	34.818	11.816	26.484
400.	9.005	34.662	8.962	26.862
599.	6.486	34.559	6.431	27.149
800.	5.207	34.549	5.140	27.301
1003.	4.409	34.560	4.330	27.402

CAST GP5-98-KA-0061 LAT 01 59.1N LONG 125 23.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	25.335	34.169	25.334	22.613
11.	25.332	34.174	25.330	22.615
25.	24.820	34.303	24.815	22.883
40.	22.371	34.515	22.363	23.752
60.	20.955	35.018	20.943	24.513
100.	13.747	34.930	13.732	26.189
150.	13.049	34.919	13.028	26.327
200.	12.471	34.867	12.444	26.402
401.	9.175	34.663	9.130	26.835
601.	6.546	34.559	6.490	27.141
801.	5.568	34.546	5.499	27.256
1003.	4.636	34.553	4.555	27.372

CAST GP5-98-KA-0071 LAT 01 00.6N LONG 124 55.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	22.222	34.706	22.221	23.932
11.	22.287	34.833	22.285	24.034
26.	21.507	34.974	21.502	24.340
39.	20.896	34.988	20.889	24.517
58.	19.432	34.907	19.422	24.837
101.	14.334	34.983	14.320	26.108
152.	13.090	34.914	13.069	26.315
199.	12.735	34.904	12.708	26.379
400.	8.957	34.653	8.913	26.861
600.	6.880	34.576	6.823	27.110
800.	5.677	34.551	5.608	27.247
1003.	4.579	34.556	4.498	27.380

CAST GP5-98-KA-0081 LAT 00 11.7S LONG 124 23.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	22.327	35.029	22.326	24.150
10.	22.198	35.025	22.195	24.181
25.	21.187	34.990	21.182	24.435
41.	19.767	34.964	19.760	24.797
60.	18.705	35.039	18.695	25.125
100.	14.987	34.995	14.972	25.969
150.	13.764	34.980	13.743	26.226
200.	13.088	34.938	13.061	26.334
400.	9.443	34.687	9.398	26.807
601.	7.121	34.581	7.063	27.080
800.	5.674	34.548	5.605	27.245
1003.	4.843	34.553	4.761	27.347

CAST GP5-98-KA-0091 LAT 00 59.3S LONG 124 35.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	23.560	35.075	23.559	23.830
10.	23.319	35.062	23.317	23.888
25.	21.490	34.954	21.485	24.326
41.	20.705	34.925	20.697	24.519
60.	17.166	35.257	17.156	25.673
101.	14.047	35.057	14.033	26.217
150.	13.176	34.958	13.155	26.329
201.	12.632	34.901	12.605	26.396
400.	9.738	34.708	9.692	26.775
600.	7.171	34.585	7.113	27.076
800.	5.472	34.549	5.404	27.269
1004.	4.552	34.558	4.471	27.383

CAST GP5-98-KA-0101 LAT 02 01.5S LONG 124 55.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	24.326	35.106	24.326	23.626
10.	24.082	35.089	24.080	23.686
26.	23.359	35.025	23.354	23.854
40.	22.294	34.927	22.285	24.083
61.	18.359	35.230	18.349	25.352
100.	13.069	34.947	13.056	26.340
150.	12.672	34.904	12.652	26.390
200.	12.514	34.891	12.488	26.412
400.	9.459	34.710	9.414	26.824
600.	6.981	34.582	6.924	27.101
801.	5.493	34.545	5.424	27.264
1005.	4.609	34.554	4.529	27.373

CAST GP5-98-KA-0111 LAT 02 59.5S LONG 124 54.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	24.416	35.085	24.415	23.583
10.	24.388	35.084	24.386	23.590
26.	23.895	35.042	23.890	23.708
40.	23.354	34.988	23.346	23.824
61.	19.244	35.203	19.233	25.107
102.	13.997	35.026	13.983	26.211
151.	12.985	34.924	12.965	26.342
198.	12.565	34.896	12.538	26.406
400.	9.586	34.719	9.540	26.810
599.	6.771	34.576	6.715	27.123
800.	5.380	34.546	5.312	27.278
1002.	4.494	34.555	4.414	27.388

CAST GP5-98-KA-0121 LAT 03 59.7S LONG 124 56.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	24.832	35.081	24.831	23.456
10.	24.697	35.085	24.695	23.499
25.	24.438	35.073	24.432	23.570
39.	24.156	35.051	24.148	23.636
61.	21.338	35.261	21.327	24.632
102.	14.144	35.009	14.129	26.167
150.	13.338	34.953	13.317	26.292
201.	12.850	34.912	12.823	26.362
401.	9.260	34.701	9.215	26.849
599.	6.643	34.572	6.588	27.138
801.	5.356	34.547	5.288	27.282
1002.	4.453	34.553	4.374	27.393

CAST GP5-98-KA-0131 LAT 05 03.3S LONG 124 58.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	24.849	35.085	24.848	23.454
12.	24.846	35.085	24.844	23.455
25.	24.804	35.086	24.798	23.469
41.	24.665	35.082	24.656	23.508
60.	23.739	35.216	23.726	23.920
102.	16.497	35.194	16.481	25.783
149.	13.662	34.983	13.641	26.247
201.	12.412	34.905	12.386	26.442
502.	8.350	34.647	8.297	26.952
1001.	4.461	34.550	4.381	27.387
2000.	2.259	34.640	2.119	27.672
3004.	1.666	34.670	1.446	27.753

CAST GP5-98-KA-0141 LAT 05 59.8S LONG 124 58.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	26.186	35.067	26.186	23.026
10.	26.200	35.067	26.198	23.023
24.	26.065	35.058	26.060	23.060
41.	25.823	35.053	25.814	23.133
60.	25.018	35.074	25.005	23.398
100.	19.365	35.449	19.347	25.279
152.	13.546	34.899	13.524	26.264
200.	12.287	34.899	12.261	26.461
401.	9.332	34.706	9.288	26.841
600.	6.878	34.578	6.821	27.112
801.	5.489	34.545	5.420	27.264
1003.	4.508	34.548	4.429	27.381

CAST GP5-98-KA-0151 LAT 06 59.7S LONG 124 59.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	25.930	35.077	25.929	23.116
10.	25.930	35.077	25.928	23.116
25.	25.940	35.077	25.934	23.114
39.	25.931	35.077	25.923	23.118
61.	25.315	35.023	25.302	23.262
101.	24.099	35.274	24.078	23.828
148.	15.770	35.112	15.747	25.883
200.	12.658	34.925	12.631	26.409
401.	9.779	34.732	9.733	26.789
599.	7.217	34.588	7.159	27.073
801.	5.405	34.537	5.337	27.268
1004.	4.341	34.550	4.263	27.399

CAST GP5-98-KA-0161 LAT 07 57.9S LONG 125 01.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	26.053	35.008	26.053	23.025
11.	26.056	35.008	26.053	23.025
25.	26.057	35.008	26.052	23.025
41.	26.062	35.008	26.052	23.025
61.	25.995	35.006	25.981	23.045
100.	25.189	35.066	25.167	23.342
151.	20.346	35.423	20.318	24.988
201.	13.704	34.982	13.675	26.241
402.	10.382	34.770	10.334	26.715
599.	7.736	34.616	7.676	27.020
801.	5.721	34.543	5.651	27.235
1005.	4.668	34.541	4.587	27.357

CAST GP5-98-KA-0171 LAT 04 59.8S LONG 139 54.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	26.154	35.533	26.154	23.390
11.	26.158	35.533	26.156	23.389
25.	26.013	35.517	26.008	23.423
41.	22.761	35.602	22.753	24.469
59.	20.256	35.705	20.245	25.229
100.	13.735	35.008	13.721	26.247
150.	12.875	34.915	12.855	26.357
200.	12.503	34.891	12.476	26.415
401.	9.904	34.738	9.857	26.773
800.	6.283	34.553	6.209	27.173
1004.	5.022	34.540	4.938	27.318

CAST GP5-98-KA-0181 LAT 03 59.6S LONG 139 54.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	25.426	35.306	25.425	23.444
11.	25.428	35.307	25.426	23.444
25.	25.345	35.514	25.339	23.622
39.	22.715	35.725	22.707	24.517
60.	17.549	35.341	17.539	25.644
100.	13.847	34.997	13.833	26.222
150.	13.137	34.936	13.117	26.320
201.	12.878	34.916	12.851	26.358
400.	10.425	34.770	10.377	26.706
800.	5.715	34.543	5.645	27.234
1002.	4.764	34.551	4.682	27.355

CAST GP5-98-KA-0191 LAT 02 59.3S LONG 139 55.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	26.053	35.696	26.052	23.544
11.	26.056	35.697	26.054	23.544
26.	26.063	35.698	26.057	23.544
39.	25.929	35.704	25.920	23.585
60.	20.816	35.610	20.805	24.999
99.	14.396	35.053	14.382	26.141
150.	12.930	34.921	12.909	26.350
199.	12.612	34.897	12.585	26.397
400.	10.569	34.775	10.521	26.687
601.	7.337	34.598	7.278	27.062
801.	5.651	34.549	5.582	27.248
1001.	4.532	34.554	4.452	27.383

CAST GP5-98-KA-0211 LAT 00 59.7S LONG 139 57.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	23.156	34.681	23.156	23.648
10.	23.014	34.698	23.013	23.706
26.	22.350	34.879	22.345	24.049
39.	21.979	35.057	21.971	24.284
60.	21.822	35.270	21.810	24.478
100.	16.104	35.272	16.088	25.934
149.	13.044	34.951	13.024	26.350
202.	12.889	34.922	12.862	26.361
400.	9.625	34.705	9.580	26.793
601.	7.236	34.585	7.178	27.068
800.	5.821	34.549	5.750	27.228
1005.	4.775	34.550	4.693	27.354

CAST GP5-98-KA-0221 LAT 00 02.1N LONG 140 06.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	24.366	34.496	24.365	23.155
11.	24.215	34.520	24.213	23.216
25.	23.424	34.626	23.419	23.534
40.	22.274	34.792	22.266	23.993
60.	20.511	34.977	20.500	24.614
101.	18.004	35.258	17.987	25.433
150.	14.963	34.912	14.941	25.906
202.	13.508	34.954	13.480	26.262
1000.	4.705	34.552	4.624	27.364
2001.	2.281	34.641	2.140	27.673
2998.	1.673	34.674	1.453	27.752
4006.	1.403	34.693	1.086	27.794

CAST GP5-98-KA-0222 LAT 00 00.6N LONG 139 58.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	24.263	34.494	24.263	23.183
10.	24.081	34.511	24.079	23.251
24.	23.709	34.548	23.704	23.390
40.	22.422	34.696	22.414	23.881
61.	20.001	34.931	19.990	24.708
100.	16.472	35.080	16.455	25.712
150.	14.350	34.883	14.328	26.021
201.	12.803	34.891	12.775	26.354
401.	10.057	34.723	10.010	26.735
601.	7.082	34.580	7.024	27.085
801.	5.722	34.551	5.652	27.242
1004.	4.457	34.557	4.377	27.394

CAST GP5-98-KA-0231 LAT 01 00.1N LONG 140 20.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	25.774	34.335	25.773	22.604
11.	25.776	34.335	25.774	22.604
26.	25.709	34.354	25.704	22.645
41.	23.291	34.765	23.283	23.674
60.	20.873	34.778	20.861	24.367
100.	15.490	34.782	15.475	25.699
149.	14.323	34.840	14.301	26.001
200.	13.127	34.914	13.100	26.307
400.	9.617	34.681	9.572	26.776
600.	6.862	34.570	6.805	27.106
800.	5.623	34.551	5.554	27.253

CAST GP5-98-KA-0241 LAT 02 00.4N LONG 139 59.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	26.329	34.397	26.328	22.478
10.	26.303	34.396	26.301	22.485
26.	26.256	34.395	26.250	22.502
42.	26.092	34.399	26.083	22.557
59.	24.488	34.618	24.475	23.183
101.	16.490	34.958	16.474	25.608
150.	14.302	34.997	14.280	26.128
200.	13.767	34.972	13.738	26.223
400.	10.188	34.723	10.141	26.712
601.	6.418	34.557	6.363	27.156
800.	5.562	34.546	5.493	27.257
1005.	4.514	34.557	4.434	27.389

CAST GP5-98-KA-0251 LAT 02 59.9N LONG 139 58.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1.	26.896	34.267	26.895	22.201
10.	26.904	34.267	26.902	22.199
25.	26.823	34.264	26.817	22.223
40.	25.870	34.334	25.861	22.574
60.	24.886	34.427	24.873	22.948
100.	22.528	34.956	22.508	24.038
150.	15.278	35.026	15.255	25.937
200.	13.679	34.956	13.651	26.227
401.	10.458	34.721	10.410	26.663
601.	7.327	34.596	7.268	27.063
800.	5.523	34.553	5.454	27.268
1003.	4.505	34.560	4.425	27.392

CAST GP5-98-KA-0261 LAT 04 00.4N LONG 139 58.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	27.043	34.183	27.043	22.090
10.	27.055	34.181	27.052	22.087
24.	27.063	34.182	27.057	22.085
61.	25.621	34.372	25.608	22.679
101.	24.229	34.545	24.208	23.243
149.	22.711	34.938	22.681	23.975
199.	13.648	34.673	13.620	26.014
400.	9.599	34.683	9.553	26.778
602.	7.575	34.605	7.515	27.032
800.	5.494	34.556	5.425	27.273
1009.	4.344	34.568	4.265	27.414

CAST GP5-98-KA-0271 LAT 05 18.0N LONG 139 54.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	27.155	34.169	27.155	22.046
11.	27.162	34.169	27.159	22.044
26.	27.102	34.167	27.096	22.063
39.	26.182	34.332	26.174	22.479
60.	25.514	34.396	25.501	22.735
98.	24.785	34.524	24.764	23.060
151.	22.328	35.053	22.298	24.176
201.	17.484	34.787	17.450	25.231
399.	9.598	34.674	9.553	26.774
599.	7.382	34.582	7.323	27.045
800.	5.610	34.551	5.541	27.255
1004.	4.482	34.561	4.402	27.395

CAST GP5-98-KA-0281 LAT 05 59.4N LONG 139 58.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	27.055	34.204	27.054	22.104
10.	27.056	34.205	27.054	22.104
25.	26.992	34.222	26.986	22.134
40.	25.874	34.371	25.865	22.608
61.	25.691	34.401	25.678	22.684
100.	24.405	34.569	24.384	23.202
150.	22.411	34.939	22.381	24.058
200.	19.233	34.815	19.197	24.823
401.	9.724	34.684	9.678	26.760
601.	7.689	34.595	7.629	27.010
799.	5.770	34.555	5.700	27.237
1004.	4.668	34.562	4.586	27.375

CAST GP5-98-KA-0291 LAT 06 59.5N LONG 140 04.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	26.835	34.266	26.834	22.219
10.	26.827	34.266	26.825	22.222
26.	26.829	34.266	26.823	22.223
40.	26.400	34.335	26.391	22.427
60.	25.601	34.493	25.588	22.788
101.	23.021	34.872	23.001	23.835
198.	13.995	34.643	13.966	25.917
401.	9.500	34.671	9.455	26.787
600.	7.760	34.593	7.699	26.998
799.	5.917	34.557	5.846	27.220
1004.	4.798	34.558	4.716	27.358

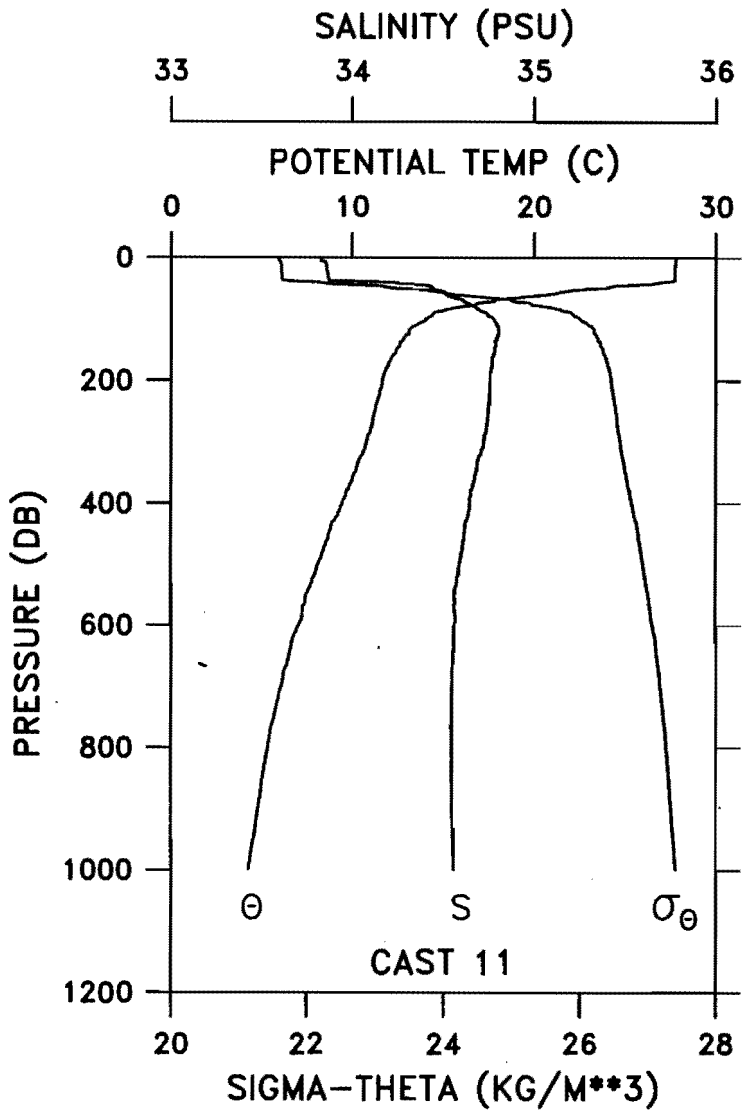
CAST GP5-98-KA-0301 LAT 07 59.8N LONG 140 10.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	27.987	33.982	27.987	21.636
11.	27.989	33.983	27.987	21.636
25.	27.969	33.981	27.963	21.643
42.	27.929	33.990	27.919	21.664
60.	27.458	34.269	27.444	22.024
101.	22.640	34.887	22.620	23.956
150.	13.908	34.622	13.886	25.916
201.	11.365	34.687	11.340	26.470
401.	9.511	34.670	9.466	26.785
599.	7.685	34.592	7.625	27.008
801.	5.986	34.554	5.915	27.211
1006.	4.825	34.554	4.742	27.351

CAST GP5-98-KA-0311 LAT 08 59.0N LONG 140 17.3W

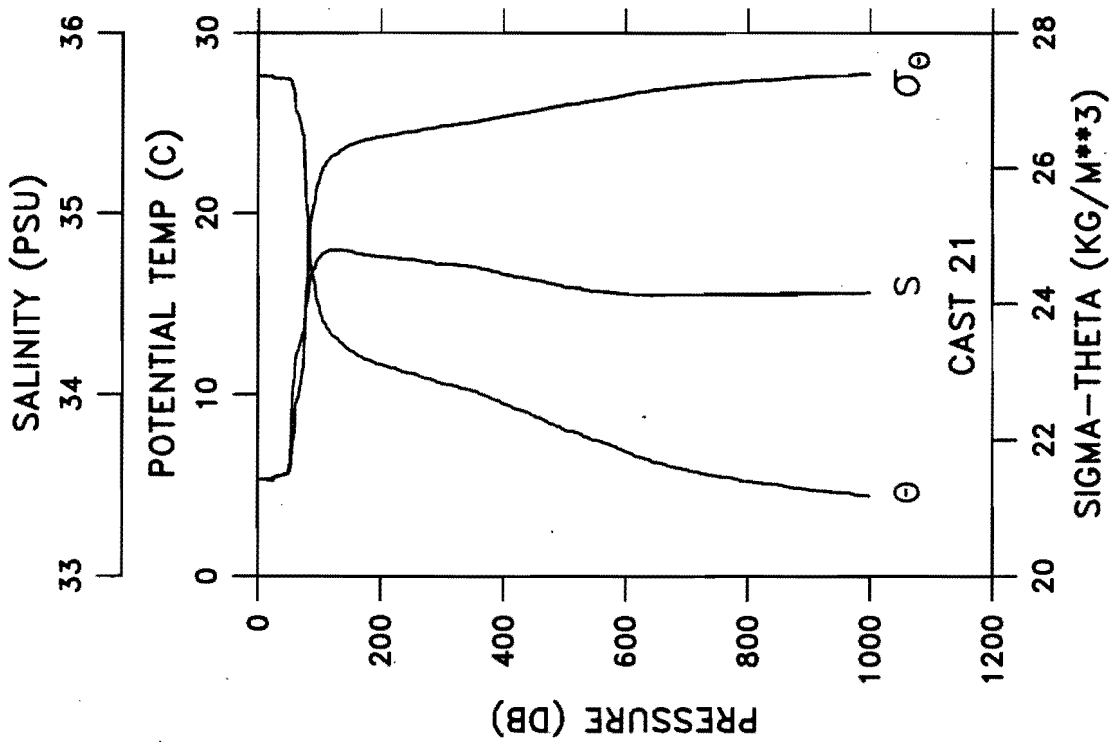
PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
11.	28.032	33.570	28.029	21.313
26.	28.135	33.721	28.128	21.399
40.	28.132	34.084	28.122	21.655
60.	26.558	34.624	26.545	22.580
100.	16.760	34.465	16.744	25.151
151.	11.867	34.687	11.847	26.378
200.	10.843	34.699	10.818	26.577
399.	9.420	34.666	9.376	26.797
601.	7.587	34.585	7.527	27.019
798.	5.756	34.535	5.687	27.226
1003.	4.689	34.551	4.608	27.366

GP6-98-RB
October 13–November 14, 1998
CTD and Hydrographic Data Summary



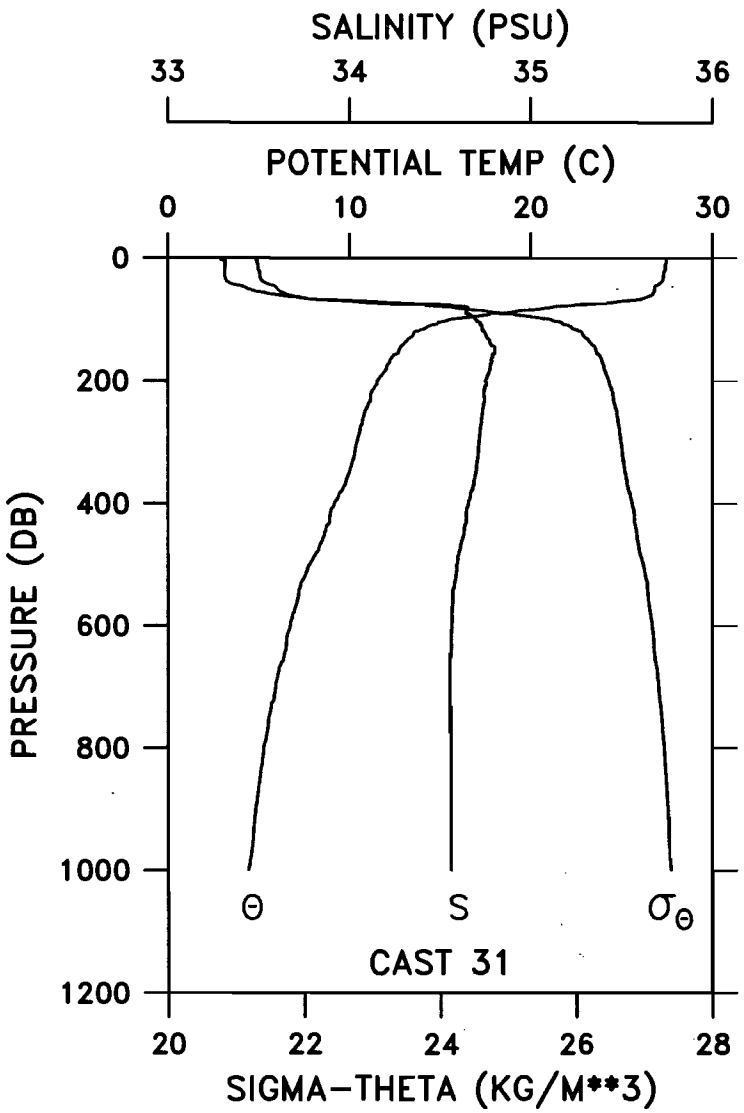
CAST GP6-98-RB-0011 DATE 21 OCT 98 TIME 2132 GMT
LAT 11 00.2N LONG 113 30.3W WEATHER 6 SEA STATE 3
BAROMETER WIND DIR 010 T SPD 05 KT VISIBILITY 8
CLOUD 6 AMOUNT 8 DRY 26.7 WET 24.5 DEPTH 4024 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.771	33.830	21.591	0.000
10	27.749	33.859	21.620	0.062
20	27.735	33.863	21.628	0.124
30	27.731	33.869	21.634	0.186
40	26.972	34.214	22.137	0.247
50	23.662	34.429	23.310	0.298
60	20.852	34.517	24.168	0.338
70	17.864	34.610	25.008	0.371
80	15.935	34.677	25.515	0.399
90	14.510	34.742	25.880	0.422
100	14.045	34.780	26.009	0.442
110	13.543	34.798	26.127	0.462
120	13.149	34.808	26.215	0.481
130	12.866	34.797	26.263	0.499
140	12.630	34.789	26.304	0.516
150	12.429	34.784	26.339	0.534
160	12.226	34.775	26.372	0.551
170	12.029	34.769	26.405	0.567
180	11.875	34.765	26.431	0.584
190	11.769	34.761	26.448	0.600
200	11.687	34.760	26.463	0.616
250	11.259	34.748	26.533	0.696
300	10.799	34.725	26.598	0.772
350	10.181	34.681	26.672	0.846
400	9.476	34.646	26.764	0.916
450	8.725	34.615	26.861	0.981
500	8.121	34.589	26.933	1.043
550	7.463	34.560	27.008	1.102
600	7.047	34.564	27.069	1.158
650	6.533	34.555	27.132	1.210
700	6.100	34.549	27.184	1.260
750	5.697	34.545	27.231	1.308
800	5.364	34.547	27.273	1.353
900	4.810	34.550	27.340	1.439
1000	4.290	34.560	27.405	1.519
1001	4.285	34.560	27.406	1.520



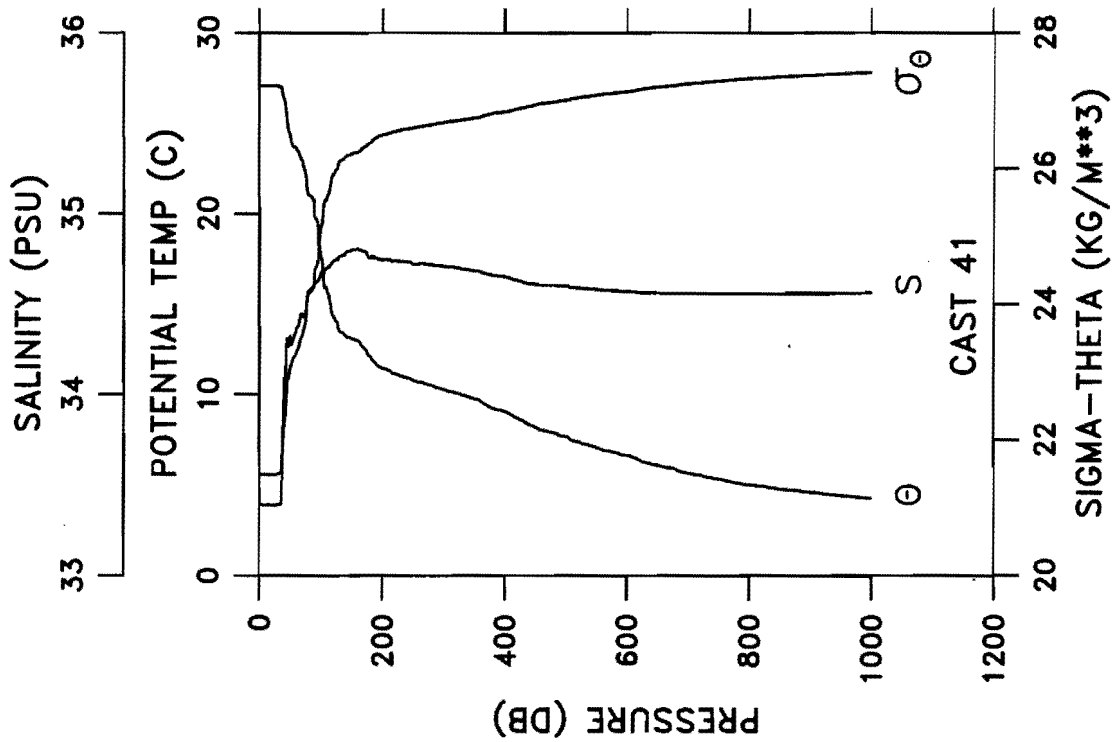
CAST GP6-98-RB-0021 DATE 22 OCT 98 TIME 2355 GMT
LAT 07 59.1N LONG 110 11.2W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 225 T SPD 12 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 27.3 WET 24.0 DEPTH 4154 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.615	33.533	21.418	0.000
10	27.633	33.533	21.413	0.064
20	27.598	33.527	21.419	0.127
30	27.490	33.546	21.469	0.191
40	27.477	33.557	21.481	0.254
50	27.454	33.587	21.511	0.318
60	26.530	34.121	22.206	0.378
70	24.879	34.298	22.849	0.430
80	20.147	34.513	24.353	0.475
90	16.399	34.689	25.418	0.504
100	14.747	34.753	25.837	0.528
110	13.835	34.782	26.054	0.548
120	13.277	34.797	26.180	0.567
130	13.056	34.795	26.224	0.586
140	12.697	34.797	26.296	0.603
150	12.404	34.790	26.348	0.621
160	12.201	34.777	26.378	0.638
170	12.009	34.772	26.411	0.654
180	11.893	34.769	26.431	0.671
190	11.751	34.763	26.453	0.687
200	11.650	34.760	26.469	0.703
250	11.161	34.744	26.548	0.782
300	10.606	34.720	26.628	0.857
350	10.211	34.704	26.685	0.930
400	9.507	34.664	26.773	0.999
450	8.859	34.633	26.853	1.065
500	8.064	34.593	26.945	1.127
550	7.506	34.570	27.009	1.185
600	6.855	34.556	27.089	1.241
650	6.261	34.549	27.163	1.292
700	5.850	34.549	27.215	1.340
750	5.496	34.552	27.262	1.386
800	5.218	34.553	27.296	1.430
900	4.743	34.556	27.353	1.515
1000	4.405	34.562	27.395	1.595
1001	4.404	34.562	27.395	1.596



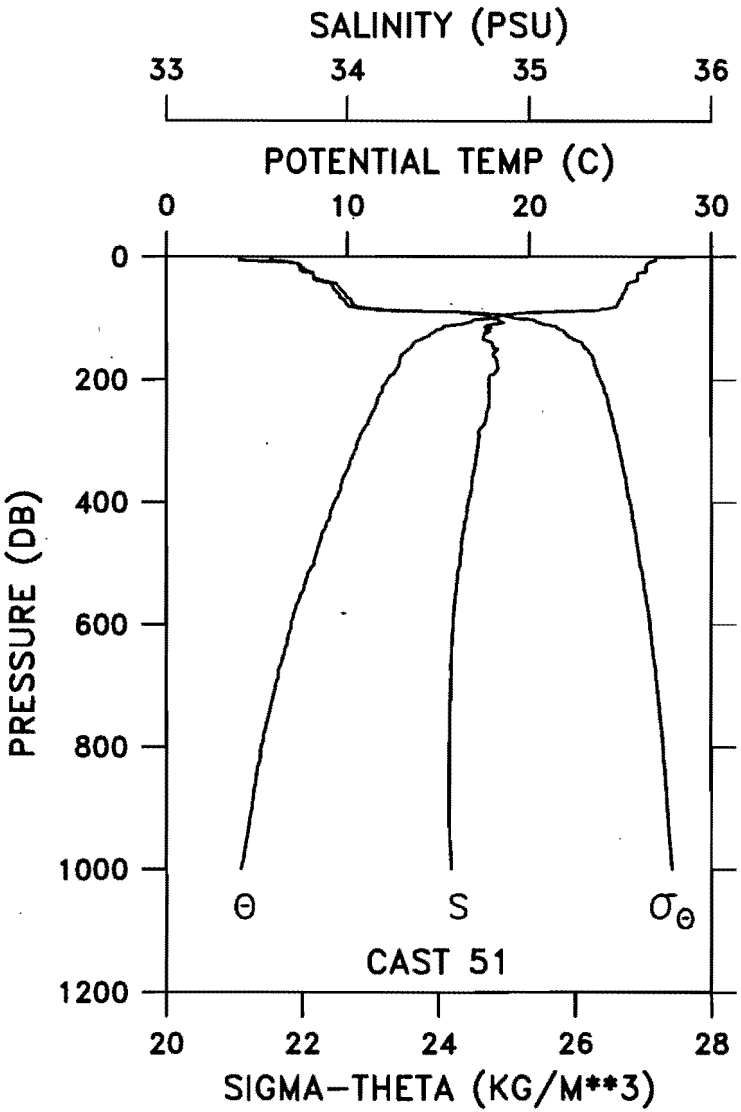
CAST GP6-98-RB-0031 DATE 24 OCT 98 TIME 0005 GMT
LAT 07 00.0N LONG 110 08.7W WEATHER 2 SEA STATE 4
BAROMETER 12 WIND DIR 220 T SPD 12 KT VISIBILITY 7
CLOUD 6 AMOUNT 7 DRY 27.2 WET 24.1 DEPTH 3633 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.467	33.291	21.284	0.000
10	27.413	33.313	21.318	0.065
20	27.395	33.312	21.323	0.130
30	27.319	33.313	21.348	0.194
40	27.155	33.335	21.417	0.258
50	26.831	33.436	21.596	0.321
60	26.666	33.602	21.773	0.383
70	24.945	34.104	22.682	0.441
80	21.165	34.653	24.186	0.485
90	18.229	34.641	24.941	0.519
100	15.502	34.697	25.628	0.546
110	14.424	34.730	25.890	0.569
120	13.564	34.747	26.083	0.589
130	13.313	34.758	26.143	0.609
140	12.967	34.782	26.231	0.627
150	12.726	34.802	26.295	0.645
160	12.364	34.789	26.356	0.662
170	12.188	34.784	26.386	0.679
180	12.015	34.776	26.413	0.696
190	11.772	34.764	26.449	0.712
200	11.521	34.750	26.485	0.728
250	10.826	34.732	26.599	0.805
300	10.384	34.713	26.662	0.878
350	9.962	34.695	26.721	0.949
400	9.146	34.655	26.825	1.017
450	8.598	34.631	26.893	1.080
500	7.776	34.591	26.986	1.141
550	7.171	34.570	27.056	1.196
600	6.700	34.564	27.117	1.249
650	6.357	34.558	27.158	1.300
700	5.902	34.554	27.213	1.348
750	5.523	34.555	27.260	1.395
800	5.230	34.556	27.297	1.439
900	4.785	34.558	27.349	1.524
1000	4.393	34.561	27.395	1.604
1002	4.385	34.561	27.396	1.606



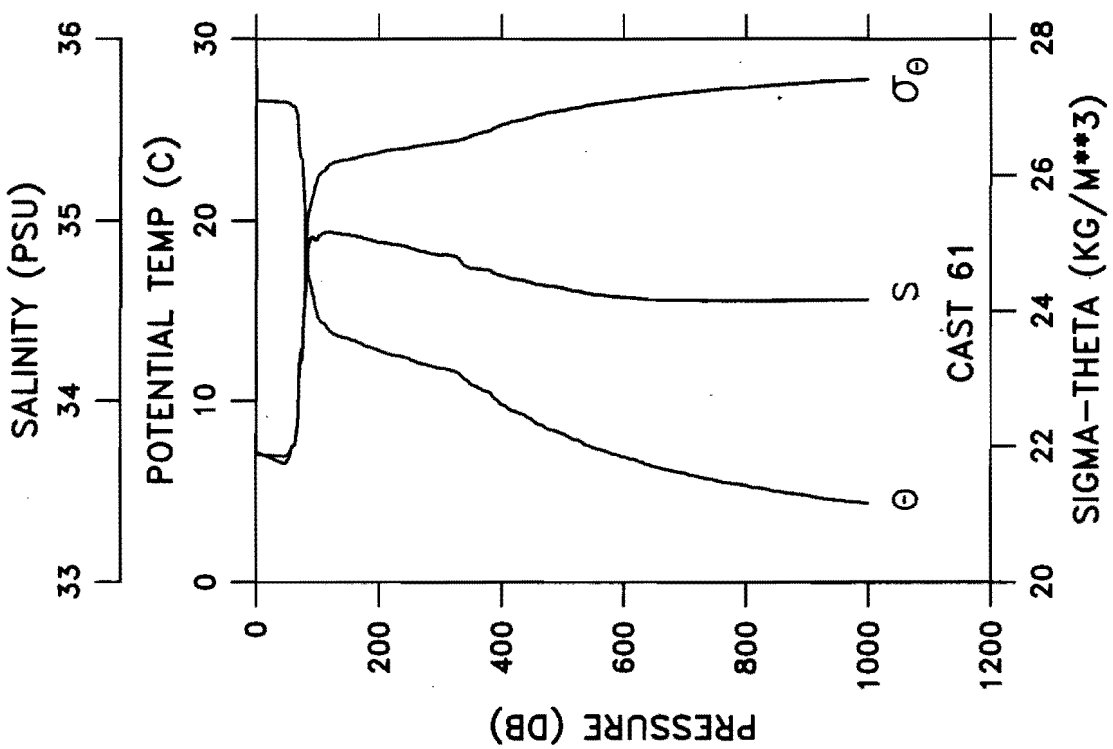
CAST GP6-98-RB-0041 DATE 24 OCT 98 TIME 0556 GMT
LAT 06 00.2N LONG 110 03.2W WEATHER 2 SEA STATE 2
BAROMETER 15 WIND DIR 180 T SPD 17 KT VISIBILITY 7
CLOUD 5 AMOUNT 7 DRY 26.2 WET 23.8 DEPTH 3562 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.060	33.394	21.492	0.000
10	27.066	33.390	21.487	0.063
20	27.062	33.390	21.488	0.126
30	27.043	33.391	21.494	0.189
40	26.375	34.020	22.179	0.251
50	24.344	34.326	23.031	0.303
60	23.598	34.361	23.278	0.350
70	22.890	34.443	23.544	0.395
80	21.031	34.579	24.166	0.436
90	19.923	34.615	24.490	0.473
100	17.592	34.674	25.123	0.505
110	15.793	34.701	25.566	0.531
120	14.335	34.738	25.915	0.554
130	13.510	34.764	26.107	0.575
140	13.236	34.782	26.177	0.594
150	13.081	34.799	26.221	0.612
160	12.988	34.805	26.245	0.630
170	12.567	34.791	26.318	0.648
180	12.117	34.757	26.379	0.665
190	11.704	34.757	26.457	0.682
200	11.445	34.746	26.497	0.698
250	10.789	34.724	26.599	0.774
300	10.274	34.709	26.678	0.847
350	9.771	34.686	26.746	0.917
400	9.060	34.653	26.837	0.983
450	8.175	34.609	26.941	1.045
500	7.690	34.602	27.007	1.103
550	7.051	34.583	27.083	1.157
600	6.633	34.573	27.132	1.209
650	6.083	34.565	27.198	1.259
700	5.641	34.560	27.250	1.305
750	5.312	34.560	27.290	1.350
800	4.988	34.559	27.327	1.392
900	4.584	34.560	27.374	1.474
1000	4.239	34.566	27.416	1.551
1001	4.238	34.565	27.416	1.552



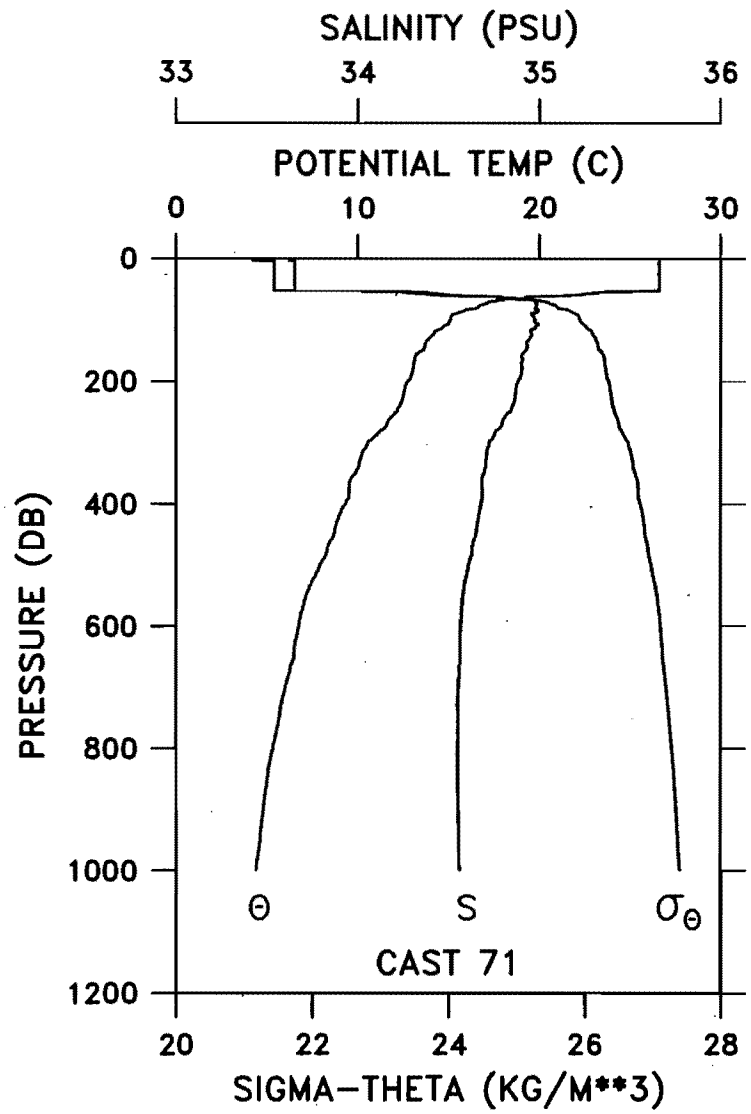
CAST GP6-98-RB-0051 DATE 24 OCT 98 TIME 1221 GMT
LAT 05 02.7N LONG 109 59.4W WEATHER 1 SEA STATE
BAROMETER 14 WIND DIR 170 T SPD 21 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 25.5 WET 23.0 DEPTH 3941 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.941	33.407	21.539	0.000
10	26.558	33.693	21.875	0.062
20	26.425	33.764	21.971	0.121
30	25.917	33.814	22.167	0.178
40	25.694	33.892	22.294	0.235
50	25.311	33.958	22.461	0.289
60	25.139	33.991	22.539	0.343
70	24.937	34.023	22.624	0.396
80	24.788	34.048	22.688	0.448
90	20.374	34.580	24.344	0.496
100	18.023	34.791	25.108	0.527
110	16.259	34.796	25.532	0.553
120	14.871	34.768	25.822	0.576
130	14.390	34.751	25.913	0.597
140	13.671	34.795	26.098	0.618
150	13.411	34.826	26.176	0.637
160	12.982	34.798	26.241	0.655
170	12.875	34.820	26.279	0.673
180	12.770	34.826	26.305	0.691
190	12.579	34.809	26.329	0.708
200	12.243	34.778	26.370	0.725
250	11.482	34.772	26.510	0.807
300	10.608	34.721	26.629	0.883
350	9.982	34.696	26.718	0.955
400	9.319	34.668	26.807	1.022
450	8.636	34.637	26.892	1.086
500	8.170	34.623	26.953	1.147
550	7.445	34.595	27.037	1.204
600	6.899	34.583	27.104	1.258
650	6.465	34.573	27.155	1.310
700	6.035	34.567	27.206	1.358
750	5.630	34.562	27.253	1.405
800	5.225	34.558	27.299	1.449
900	4.735	34.559	27.356	1.533
1000	4.129	34.570	27.431	1.611
1014	4.079	34.572	27.438	1.622



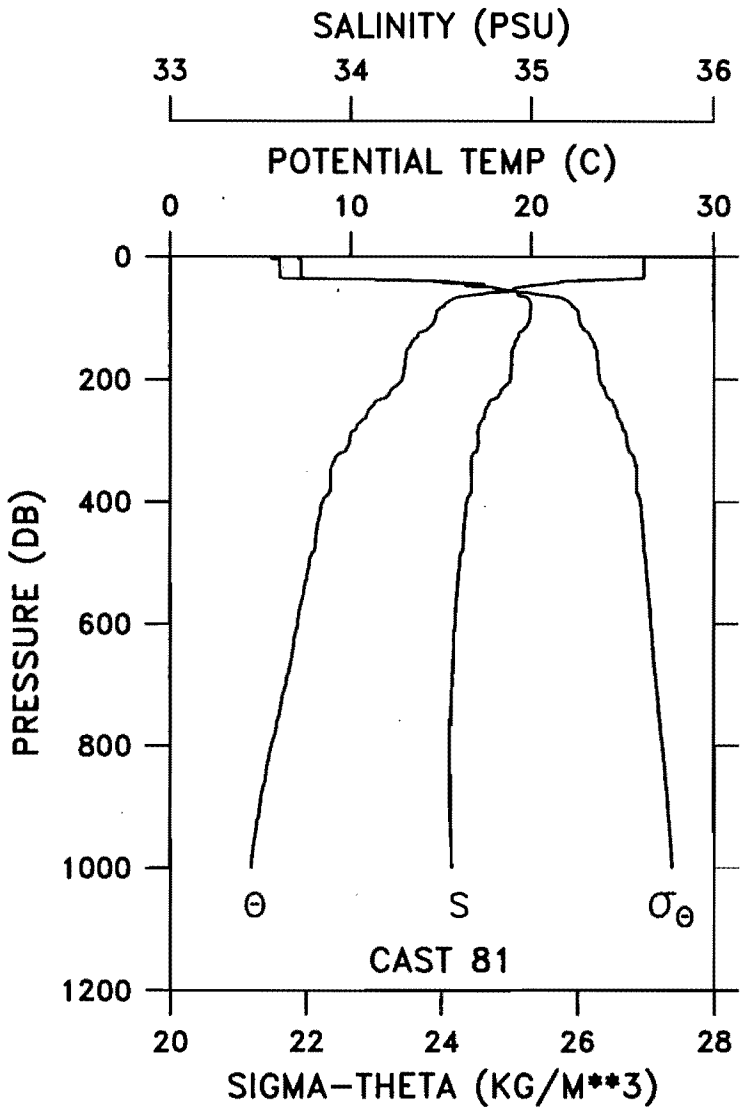
CAST GP6-98-RB-0061 DATE 24 OCT 98 TIME 2148 GMT
LAT 04 00.1N LONG 110 00.1W WEATHER 1 SEA STATE 5
BAROMETER 13 WIND DIR 165 T SPD 22 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 26.0 WET 22.6 DEPTH 3873 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.609	33.716	21.877	0.000
10	26.596	33.704	21.872	0.059
20	26.579	33.690	21.866	0.119
30	26.562	33.675	21.860	0.178
40	26.545	33.660	21.855	0.238
50	26.507	33.666	21.871	0.298
60	26.310	33.757	22.001	0.357
70	24.014	34.209	23.040	0.413
80	20.156	34.599	24.416	0.456
90	16.232	34.903	25.620	0.483
100	14.683	34.903	25.967	0.506
110	14.330	34.931	26.065	0.526
120	13.868	34.937	26.167	0.545
130	13.691	34.930	26.198	0.563
140	13.559	34.923	26.220	0.582
150	13.493	34.923	26.234	0.600
160	13.377	34.917	26.253	0.618
170	13.229	34.911	26.278	0.636
180	13.055	34.898	26.304	0.654
190	12.942	34.888	26.319	0.671
200	12.790	34.876	26.340	0.689
250	12.339	34.850	26.408	0.774
300	11.820	34.809	26.475	0.856
350	10.931	34.735	26.582	0.936
400	9.826	34.695	26.744	1.009
450	8.964	34.657	26.856	1.076
500	8.206	34.628	26.951	1.137
550	7.403	34.593	27.041	1.194
600	6.890	34.577	27.101	1.248
650	6.366	34.565	27.162	1.299
700	5.998	34.563	27.208	1.348
750	5.600	34.559	27.254	1.395
800	5.322	34.558	27.287	1.439
900	4.790	34.561	27.351	1.524
1000	4.347	34.566	27.405	1.603
1002	4.329	34.567	27.407	1.605



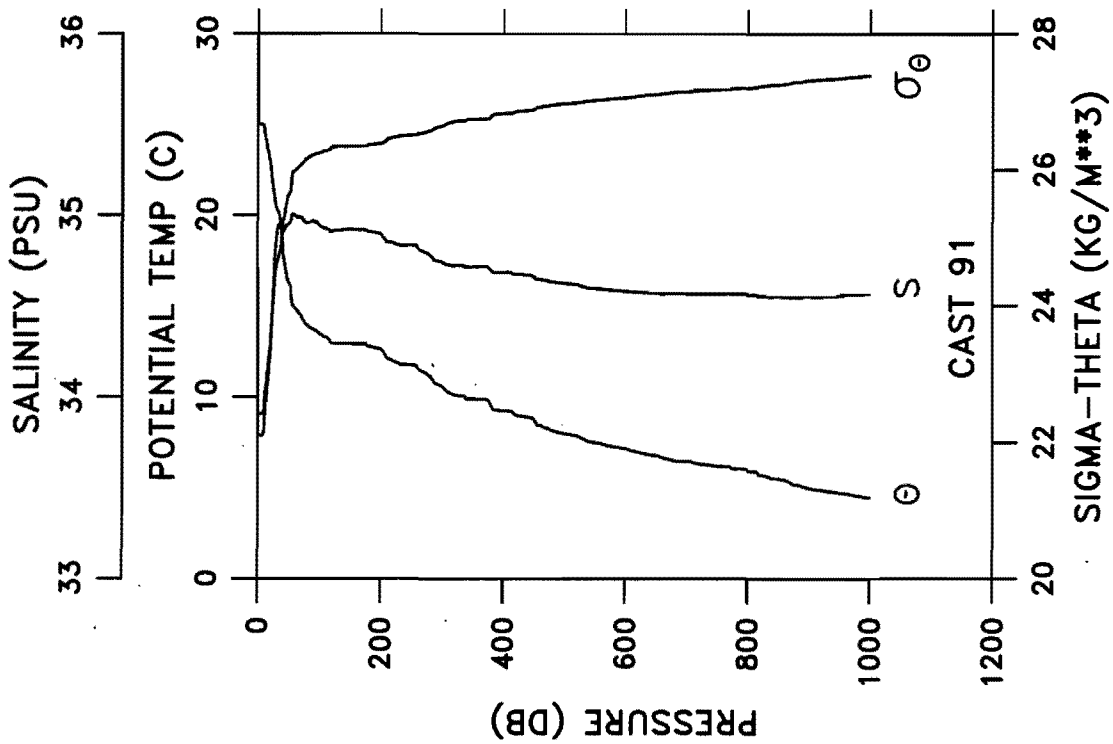
CAST GP6-98-RB-0071 DATE 25 OCT 98 TIME 0403 GMT
LAT 03 00.3N LONG 110 19.9W WEATHER 1 SEA STATE 5
BAROMETER 16 WIND DIR 150 T SPD 18 KT VISIBILITY 7
CLOUD 6 AMOUNT 4 DRY 24.9 WET 21.8 DEPTH 3783 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.604	33.433	21.665	0.000
10	26.601	33.539	21.746	0.061
20	26.605	33.539	21.745	0.121
30	26.602	33.539	21.746	0.182
40	26.608	33.539	21.744	0.243
50	26.599	33.539	21.747	0.304
60	21.549	34.546	23.999	0.352
70	17.288	34.976	25.428	0.382
80	16.565	34.981	25.603	0.407
90	15.295	34.954	25.872	0.430
100	15.082	34.975	25.935	0.451
110	14.707	34.981	26.022	0.471
120	14.222	34.953	26.105	0.491
130	13.930	34.944	26.159	0.510
140	13.704	34.931	26.196	0.529
150	13.511	34.921	26.228	0.547
160	13.163	34.901	26.284	0.565
170	13.099	34.899	26.296	0.583
180	13.051	34.904	26.309	0.601
190	12.965	34.897	26.321	0.618
200	12.760	34.882	26.350	0.635
250	12.140	34.833	26.433	0.720
300	10.552	34.722	26.639	0.798
350	9.849	34.693	26.738	0.869
400	9.325	34.678	26.814	0.936
450	8.708	34.649	26.890	0.999
500	7.914	34.608	26.979	1.060
550	7.150	34.578	27.065	1.116
600	6.748	34.567	27.113	1.168
650	6.498	34.566	27.145	1.220
700	6.021	34.554	27.197	1.269
750	5.681	34.551	27.238	1.316
800	5.336	34.549	27.278	1.361
900	4.805	34.553	27.343	1.447
1000	4.396	34.559	27.394	1.528
1009	4.330	34.561	27.402	1.535



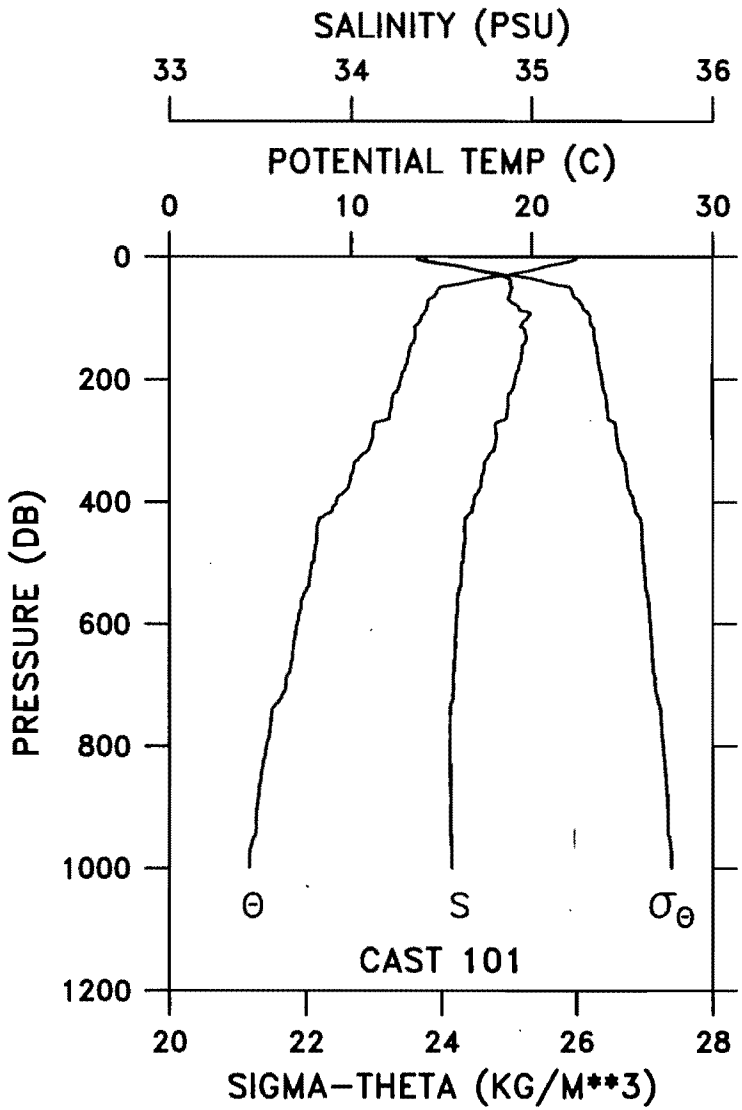
CAST GP6-98-RB-0081 DATE 25 OCT 98 TIME 1324 GMT
LAT 02 10.0N LONG 110 37.7W WEATHER 1 SEA STATE 4
BAROMETER 15 WIND DIR 140 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 24.0 WET 20.5 DEPTH 3757 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.171	33.561	21.897	0.000
10	26.173	33.606	21.930	0.059
20	26.174	33.606	21.930	0.118
30	26.171	33.607	21.932	0.177
40	21.647	34.535	23.964	0.230
50	19.226	34.782	24.798	0.266
60	17.419	34.932	25.363	0.295
70	15.555	34.988	25.840	0.318
80	15.186	35.000	25.932	0.340
90	14.773	34.995	26.018	0.360
100	14.706	34.992	26.031	0.380
110	14.552	34.981	26.056	0.400
120	14.129	34.950	26.122	0.419
130	13.671	34.927	26.200	0.438
140	13.363	34.908	26.249	0.456
150	13.142	34.895	26.284	0.474
160	13.071	34.892	26.295	0.492
170	13.029	34.891	26.303	0.510
180	12.984	34.889	26.311	0.527
190	12.926	34.886	26.320	0.545
200	12.843	34.884	26.335	0.562
250	10.970	34.746	26.584	0.643
300	9.941	34.708	26.734	0.715
350	8.898	34.669	26.875	0.780
400	8.452	34.644	26.926	0.841
450	8.078	34.627	26.969	0.900
500	7.691	34.604	27.009	0.958
550	7.373	34.590	27.043	1.014
600	7.052	34.578	27.080	1.068
650	6.727	34.569	27.116	1.121
700	6.384	34.562	27.157	1.172
750	6.022	34.554	27.197	1.221
800	5.588	34.547	27.246	1.269
900	4.932	34.549	27.326	1.357
1000	4.460	34.559	27.386	1.439
1005	4.429	34.559	27.390	1.443



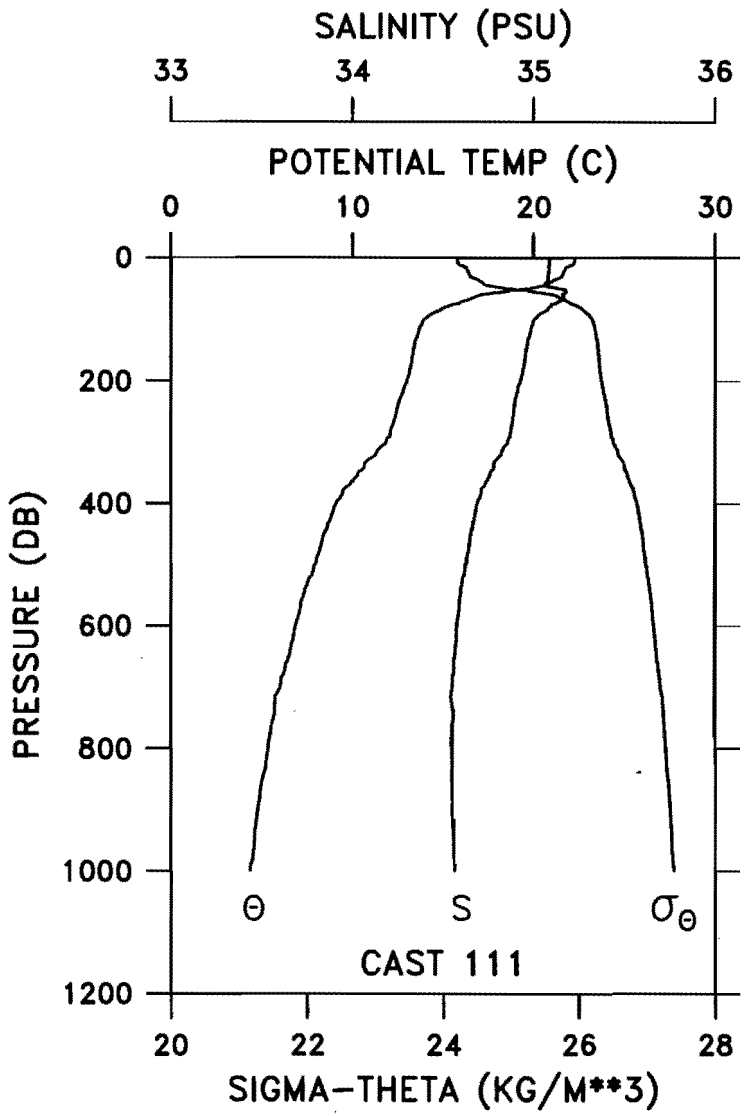
CAST GP6-98-RB-0091 DATE 26 OCT 98 TIME 1115 GMT
LAT 01 02.4N LONG 109 57.9W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 115 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 23.0 WET 20.5 DEPTH 3768 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.019	33.792	22.425	0.000
10	24.858	33.824	22.497	0.054
20	22.885	34.216	23.374	0.103
30	20.393	34.840	24.537	0.142
40	18.574	34.897	25.051	0.174
50	16.325	34.949	25.634	0.200
60	14.902	34.999	25.993	0.221
70	14.486	34.985	26.073	0.241
80	13.946	34.954	26.164	0.260
90	13.714	34.966	26.221	0.278
100	13.477	34.942	26.252	0.296
110	13.273	34.924	26.279	0.314
120	12.953	34.907	26.331	0.332
130	12.930	34.915	26.342	0.349
140	12.930	34.918	26.344	0.366
150	12.932	34.921	26.346	0.383
160	12.898	34.918	26.351	0.400
170	12.885	34.917	26.352	0.417
180	12.766	34.908	26.369	0.434
190	12.689	34.903	26.380	0.451
200	12.623	34.895	26.387	0.468
250	11.749	34.833	26.508	0.549
300	10.589	34.740	26.647	0.625
350	9.897	34.715	26.747	0.695
400	9.255	34.684	26.830	0.762
450	8.764	34.660	26.890	0.825
500	8.012	34.624	26.977	0.885
550	7.512	34.596	27.028	0.942
600	7.183	34.582	27.064	0.997
650	6.802	34.571	27.108	1.050
700	6.471	34.569	27.151	1.102
750	6.203	34.563	27.182	1.152
800	6.003	34.560	27.205	1.200
900	5.003	34.552	27.320	1.292
1000	4.492	34.564	27.387	1.374
1001	4.488	34.564	27.388	1.375



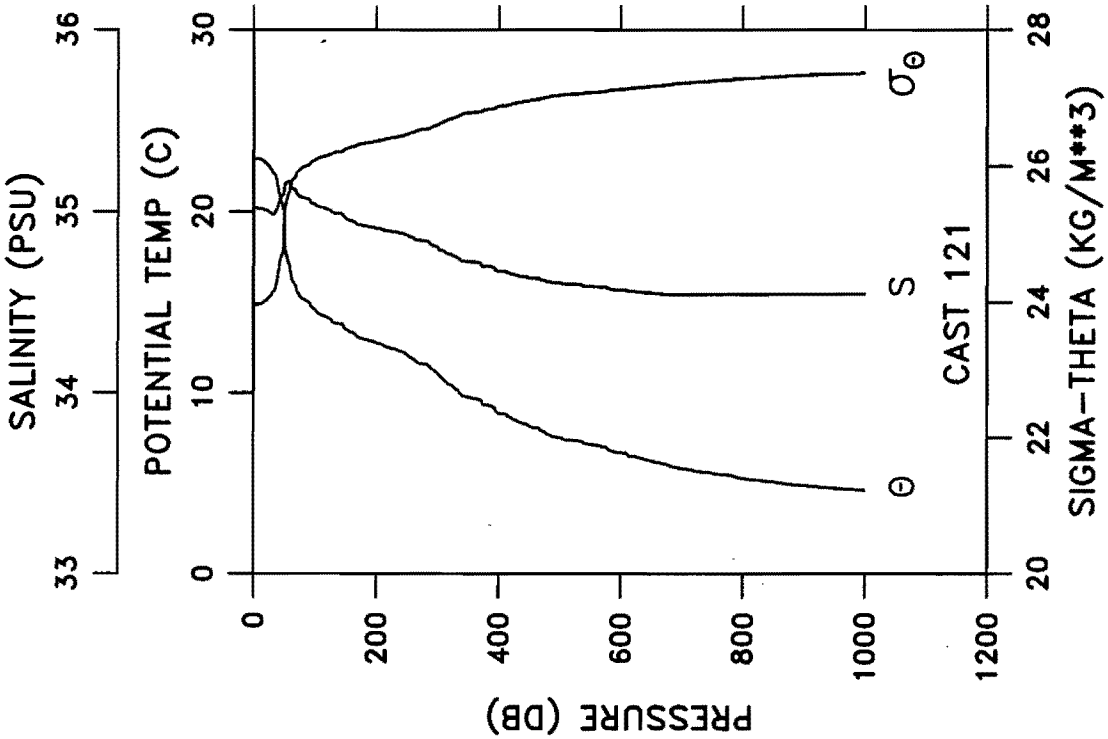
CAST GP6-98-RB-0101 DATE 27 OCT 98 TIME 0041 GMT
LAT 00 02.6N LONG 109 57.4W WEATHER 0 SEA STATE 2
BAROMETER 14 WIND DIR 095 T SPD 09 KT VISIBILITY 8
CLOUD AMOUNT 0 DRY 24.5 WET 21.0 DEPTH 3806 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.474	34.410	23.638	0.000
10	21.726	34.479	23.900	0.042
20	20.216	34.675	24.458	0.079
30	18.441	34.812	25.020	0.111
40	16.622	34.882	25.514	0.138
50	14.911	34.888	25.906	0.161
60	14.688	34.878	25.947	0.182
70	14.273	34.871	26.030	0.202
80	14.196	34.921	26.085	0.222
90	14.054	34.983	26.163	0.241
100	13.870	34.975	26.196	0.259
110	13.665	34.943	26.214	0.278
120	13.529	34.962	26.257	0.296
130	13.534	34.970	26.262	0.314
140	13.430	34.962	26.277	0.332
150	13.248	34.946	26.301	0.349
160	13.186	34.944	26.313	0.367
170	13.105	34.937	26.324	0.384
180	12.995	34.928	26.339	0.401
190	12.813	34.912	26.363	0.419
200	12.729	34.906	26.375	0.436
250	12.154	34.864	26.455	0.519
300	11.102	34.800	26.602	0.596
350	10.069	34.732	26.732	0.668
400	9.177	34.680	26.839	0.736
450	8.116	34.629	26.966	0.796
500	7.843	34.611	26.992	0.854
550	7.375	34.592	27.045	0.911
600	6.998	34.581	27.090	0.965
650	6.786	34.576	27.115	1.018
700	6.399	34.567	27.159	1.069
750	5.603	34.549	27.246	1.117
800	5.333	34.548	27.278	1.163
900	4.800	34.551	27.343	1.248
1000	4.373	34.558	27.395	1.329
1002	4.372	34.558	27.395	1.330



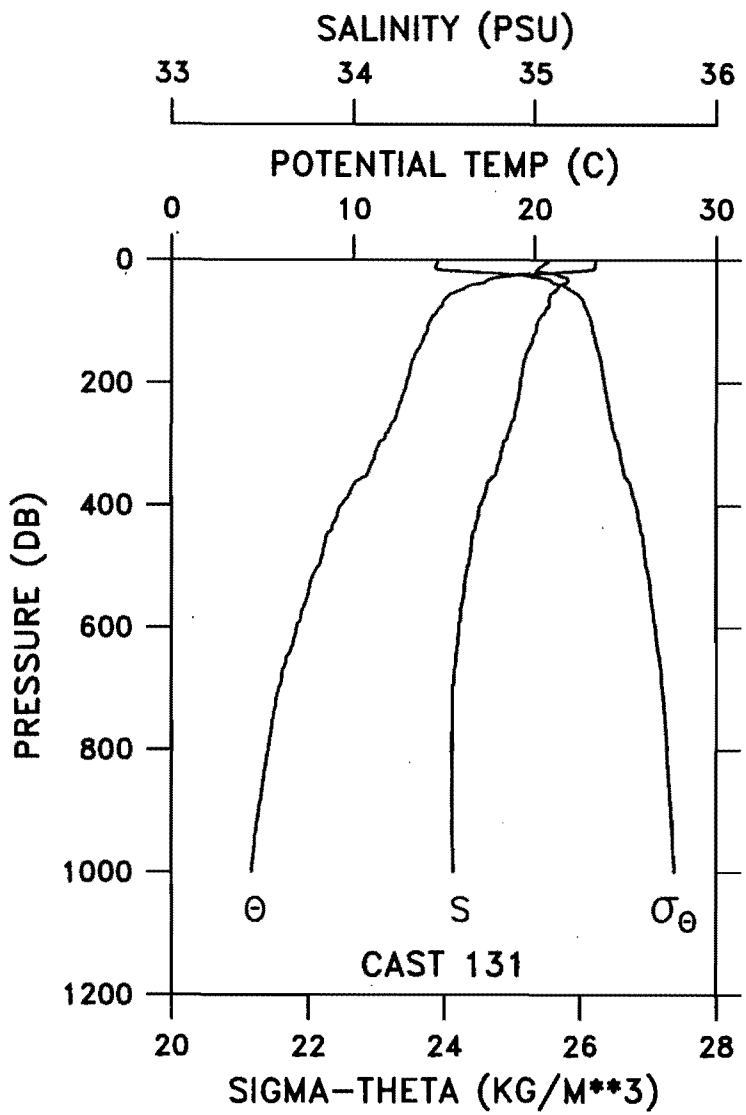
CAST GP6-98-RB-0111 DATE 28 OCT 98 TIME 0205 GMT
LAT 01 59.5S LONG 109 59.4W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 110 T SPD 08 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 22.8 WET 21.5 DEPTH 3941 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.267	35.086	24.209	0.000
10	22.195	35.088	24.231	0.037
20	21.723	35.085	24.361	0.073
30	21.570	35.079	24.399	0.109
40	20.915	35.072	24.573	0.143
50	19.708	35.140	24.947	0.176
60	17.049	35.165	25.630	0.202
70	16.163	35.146	25.823	0.225
80	15.124	35.083	26.009	0.246
90	14.454	35.040	26.122	0.266
100	13.947	35.003	26.201	0.284
110	13.763	34.990	26.230	0.303
120	13.660	34.983	26.245	0.321
130	13.540	34.973	26.263	0.339
140	13.440	34.965	26.277	0.356
150	13.359	34.957	26.288	0.374
160	13.303	34.953	26.296	0.392
170	13.257	34.949	26.302	0.409
180	13.181	34.941	26.312	0.427
190	13.120	34.936	26.319	0.444
200	13.021	34.927	26.333	0.462
250	12.445	34.889	26.418	0.547
300	11.846	34.855	26.507	0.629
350	10.303	34.758	26.711	0.704
400	9.105	34.688	26.857	0.770
450	8.434	34.651	26.934	0.832
500	7.924	34.623	26.989	0.891
550	7.305	34.594	27.056	0.947
600	6.858	34.574	27.103	1.000
650	6.486	34.561	27.143	1.052
700	6.005	34.548	27.195	1.101
750	5.651	34.554	27.244	1.148
800	5.342	34.546	27.275	1.193
900	4.783	34.550	27.344	1.279
1000	4.352	34.563	27.401	1.359
1001	4.345	34.563	27.402	1.360



CAST GP6-98-RB-0121 DATE 28 OCT 98 TIME 0814 GMT
LAT 03 00.0S LONG 110 00.0W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 105 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 23.6 WET 22.2 DEPTH 3748 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.918	35.021	23.975	0.000
10	22.901	35.017	23.977	0.039
20	22.676	35.008	24.034	0.078
30	22.231	34.984	24.142	0.117
40	21.291	35.038	24.445	0.154
50	18.717	35.116	25.183	0.186
60	16.673	35.140	25.700	0.211
70	15.650	35.098	25.903	0.233
80	15.219	35.080	25.986	0.253
90	15.024	35.069	26.021	0.274
100	14.595	35.039	26.091	0.293
110	14.342	35.025	26.134	0.313
120	14.173	35.013	26.161	0.331
130	13.907	34.993	26.202	0.350
140	13.827	34.989	26.215	0.368
150	13.529	34.962	26.256	0.387
160	13.353	34.951	26.284	0.405
170	13.092	34.928	26.320	0.422
180	12.974	34.921	26.337	0.440
190	12.891	34.916	26.351	0.457
200	12.776	34.909	26.367	0.474
250	12.110	34.870	26.467	0.557
300	11.095	34.806	26.608	0.635
350	9.760	34.726	26.779	0.705
400	8.881	34.672	26.881	0.771
450	8.172	34.635	26.961	0.831
500	7.528	34.609	27.036	0.888
550	7.139	34.590	27.077	0.942
600	6.680	34.570	27.124	0.994
650	6.250	34.554	27.168	1.045
700	5.802	34.545	27.218	1.093
750	5.535	34.547	27.253	1.139
800	5.267	34.546	27.284	1.184
900	4.878	34.548	27.331	1.270
1000	4.605	34.552	27.365	1.353
1001	4.605	34.552	27.365	1.354

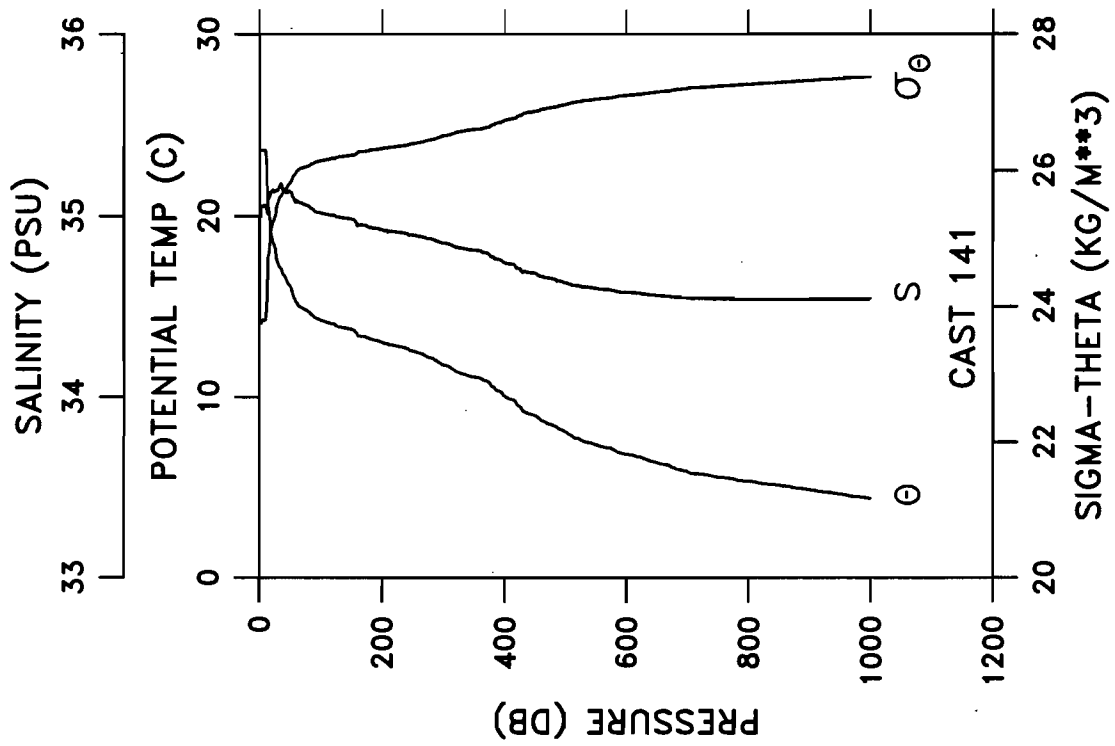


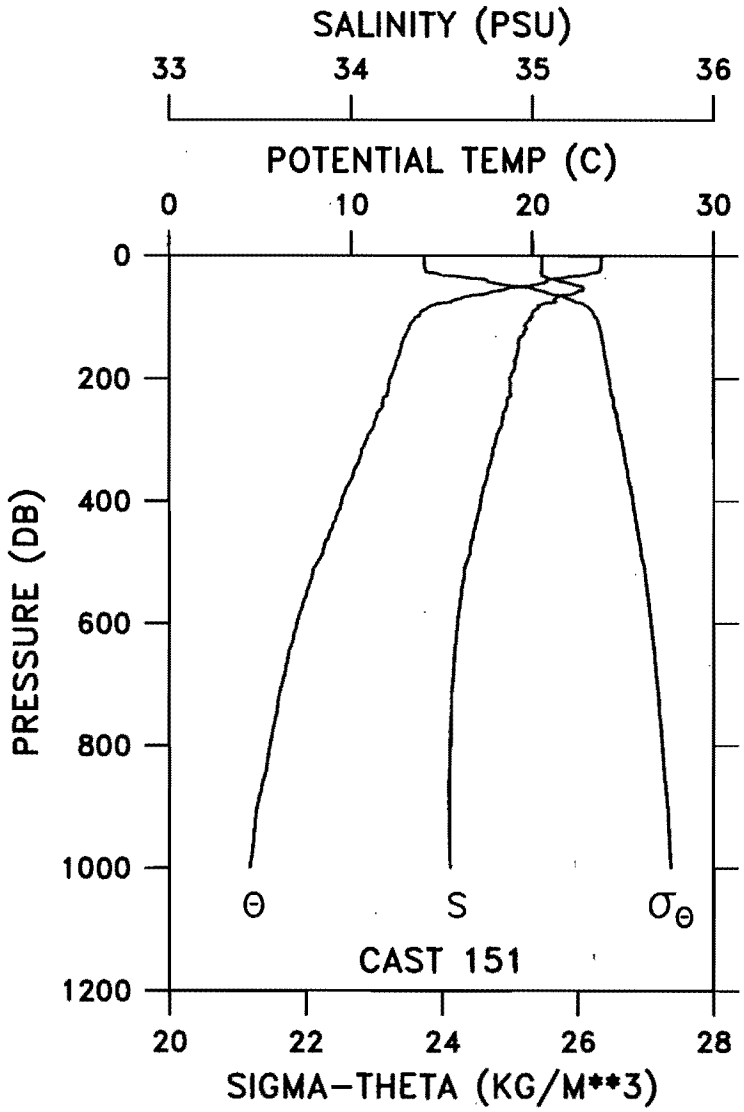
CAST GP6-98-RB-0131 DATE 28 OCT 98 TIME 1349 GMT
LAT 03 59.6S LONG 110 00.0W WEATHER 1 SEA STATE 4
BAROMETER 14 WIND DIR 120 T SPD 14 KT VISIBILITY 7
CLOUD 6 AMOUNT 3 DRY 24.0 WET 22.5 DEPTH 3668 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.335	35.073	23.893	0.000
10	23.322	35.037	23.870	0.040
20	21.173	35.061	24.494	0.079
30	17.686	35.176	25.485	0.108
40	16.639	35.146	25.713	0.132
50	15.763	35.110	25.887	0.154
60	15.155	35.079	26.000	0.174
70	14.894	35.081	26.058	0.194
80	14.657	35.062	26.096	0.214
90	14.389	35.037	26.134	0.233
100	14.169	35.016	26.165	0.252
110	14.064	35.009	26.181	0.270
120	13.964	35.000	26.195	0.289
130	13.790	34.987	26.222	0.307
140	13.645	34.975	26.242	0.326
150	13.422	34.956	26.274	0.343
160	13.282	34.946	26.295	0.361
170	13.164	34.936	26.311	0.379
180	13.081	34.932	26.324	0.396
190	12.995	34.924	26.336	0.414
200	12.891	34.920	26.353	0.431
250	12.355	34.890	26.436	0.515
300	11.405	34.827	26.567	0.595
350	10.735	34.785	26.656	0.670
400	9.329	34.700	26.830	0.738
450	8.498	34.655	26.928	0.801
500	8.022	34.625	26.977	0.860
550	7.439	34.606	27.047	0.917
600	6.835	34.581	27.112	0.970
650	6.284	34.564	27.171	1.021
700	5.859	34.547	27.213	1.069
750	5.533	34.544	27.250	1.116
800	5.278	34.544	27.281	1.161
900	4.798	34.546	27.339	1.247
1000	4.391	34.552	27.388	1.327
1001	4.389	34.552	27.388	1.328

CAST GP6-98-RB-0141 DATE 29 OCT 98 TIME 0107 GMT
LAT 04 58.6S LONG 109 59.8W WEATHER 0 SEA STATE 4
BAROMETER 12 WIND DIR 125 T SPD 15 KT VISIBILITY 7
CLOUD 4 AMOUNT 1 DRY 24.1 WET 22.0 DEPTH 3583 M

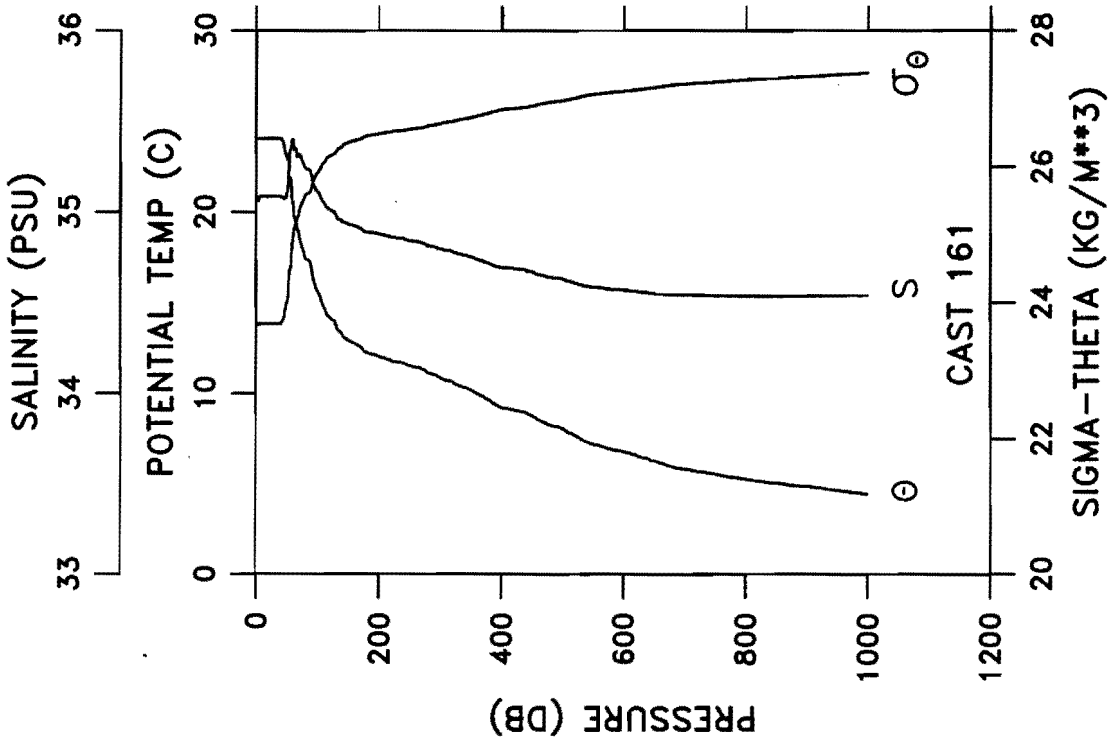
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.617	35.001	23.756	0.000
10	23.526	35.048	23.819	0.041
20	18.818	35.136	25.173	0.074
30	17.399	35.142	25.529	0.101
40	16.724	35.146	25.693	0.124
50	16.127	35.135	25.823	0.147
60	15.248	35.087	25.985	0.168
70	14.902	35.067	26.046	0.188
80	14.707	35.054	26.078	0.207
90	14.391	35.025	26.125	0.226
100	14.248	35.017	26.148	0.245
110	14.130	35.009	26.167	0.264
120	14.050	35.005	26.181	0.283
130	13.882	34.993	26.207	0.301
140	13.819	34.988	26.217	0.320
150	13.749	34.982	26.227	0.338
160	13.379	34.950	26.278	0.356
170	13.344	34.949	26.285	0.374
180	13.197	34.937	26.305	0.392
190	13.126	34.932	26.315	0.409
200	13.016	34.924	26.332	0.427
250	12.537	34.895	26.404	0.512
300	11.765	34.850	26.518	0.594
350	11.098	34.811	26.611	0.671
400	10.040	34.741	26.743	0.744
450	8.974	34.683	26.874	0.810
500	8.069	34.631	26.974	0.871
550	7.366	34.600	27.053	0.927
600	6.833	34.578	27.110	0.981
650	6.363	34.560	27.158	1.032
700	5.893	34.549	27.210	1.080
750	5.577	34.542	27.244	1.127
800	5.347	34.540	27.270	1.172
900	4.883	34.539	27.324	1.260
1000	4.383	34.544	27.383	1.342
1001	4.383	34.544	27.383	1.343





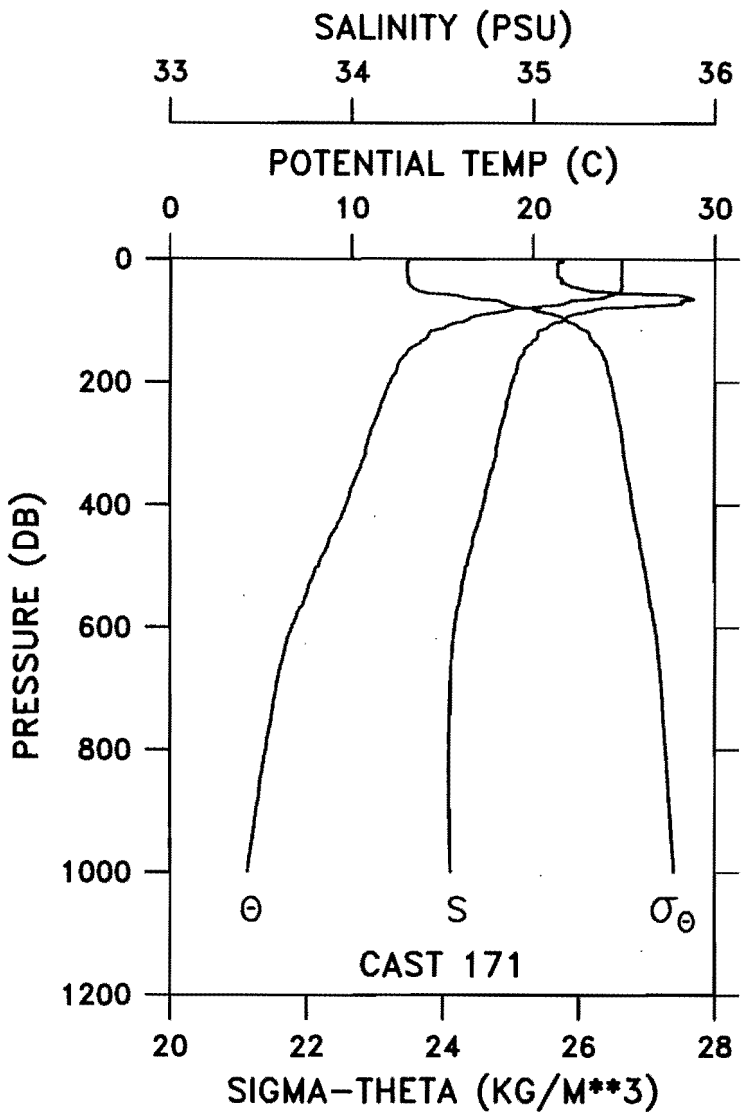
CAST GP6-98-RB-0151 DATE 29 OCT 98 TIME 0730 GMT
LAT 06 00.0S LONG 110 00.0W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 120 T SPD 18 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 24.3 WET 22.0 DEPTH 3731 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.809	35.053	23.740	0.000
10	23.804	35.051	23.739	0.042
20	23.768	35.052	23.751	0.083
30	23.076	35.050	23.951	0.124
40	20.784	35.142	24.662	0.160
50	19.458	35.277	25.116	0.192
60	17.628	35.238	25.547	0.218
70	15.941	35.124	25.858	0.241
80	14.588	35.042	26.095	0.261
90	13.898	35.006	26.214	0.280
100	13.604	34.990	26.263	0.298
110	13.319	34.966	26.303	0.315
120	13.160	34.960	26.330	0.332
130	13.002	34.945	26.351	0.349
140	12.817	34.920	26.368	0.366
150	12.756	34.923	26.382	0.383
160	12.662	34.915	26.395	0.400
170	12.518	34.900	26.412	0.417
180	12.424	34.899	26.430	0.433
190	12.287	34.887	26.446	0.449
200	12.143	34.875	26.465	0.466
250	11.616	34.851	26.546	0.545
300	10.829	34.796	26.648	0.620
350	10.149	34.752	26.734	0.691
400	9.482	34.713	26.815	0.758
450	8.832	34.674	26.890	0.822
500	8.149	34.636	26.965	0.883
550	7.551	34.607	27.032	0.940
600	7.027	34.586	27.089	0.994
650	6.548	34.568	27.140	1.047
700	6.189	34.557	27.179	1.097
750	5.897	34.550	27.211	1.145
800	5.536	34.544	27.250	1.192
900	4.848	34.538	27.327	1.280
1000	4.434	34.545	27.378	1.362
1002	4.424	34.546	27.380	1.364



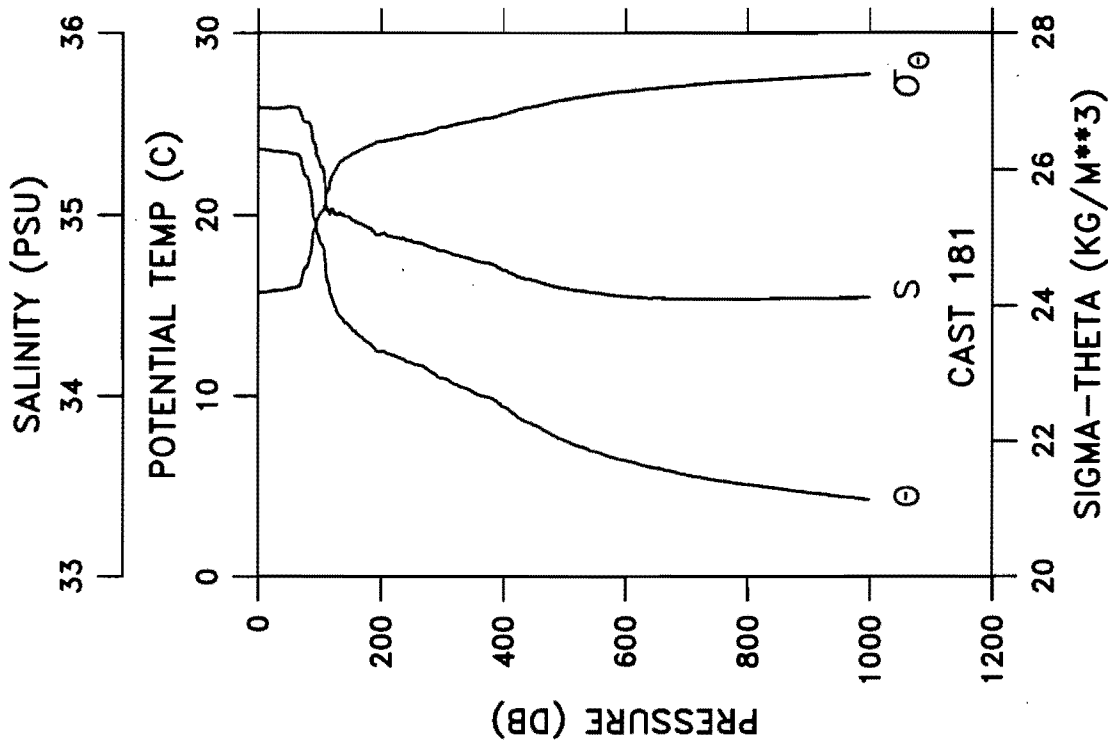
CAST GP6-98-RB-0161 DATE 29 OCT 98 TIME 1315 GMT
LAT 06 59.7S LONG 110 00.0W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 105 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 24.0 WET 21.0 DEPTH 3598 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.051	35.062	23.674	0.000
10	24.051	35.086	23.693	0.042
20	24.055	35.086	23.692	0.084
30	24.057	35.086	23.692	0.126
40	24.053	35.086	23.692	0.168
50	23.006	35.104	24.012	0.209
60	20.419	35.393	24.951	0.244
70	18.702	35.318	25.342	0.272
80	17.455	35.240	25.590	0.297
90	16.986	35.205	25.676	0.321
100	15.635	35.111	25.917	0.343
110	14.783	35.050	26.059	0.363
120	14.202	35.013	26.155	0.383
130	13.777	34.982	26.221	0.401
140	13.252	34.949	26.303	0.419
150	12.936	34.934	26.355	0.436
160	12.758	34.925	26.384	0.453
170	12.565	34.910	26.410	0.470
180	12.265	34.889	26.453	0.486
190	12.156	34.886	26.471	0.502
200	12.039	34.879	26.488	0.518
250	11.549	34.845	26.554	0.596
300	10.887	34.799	26.640	0.671
350	10.199	34.755	26.727	0.743
400	9.246	34.696	26.841	0.810
450	8.788	34.672	26.896	0.873
500	8.080	34.633	26.974	0.933
550	7.194	34.589	27.068	0.989
600	6.793	34.572	27.111	1.042
650	6.279	34.553	27.164	1.093
700	5.817	34.545	27.216	1.141
750	5.542	34.540	27.246	1.187
800	5.267	34.538	27.278	1.232
900	4.854	34.538	27.326	1.318
1000	4.403	34.542	27.379	1.400
1001	4.402	34.543	27.380	1.401



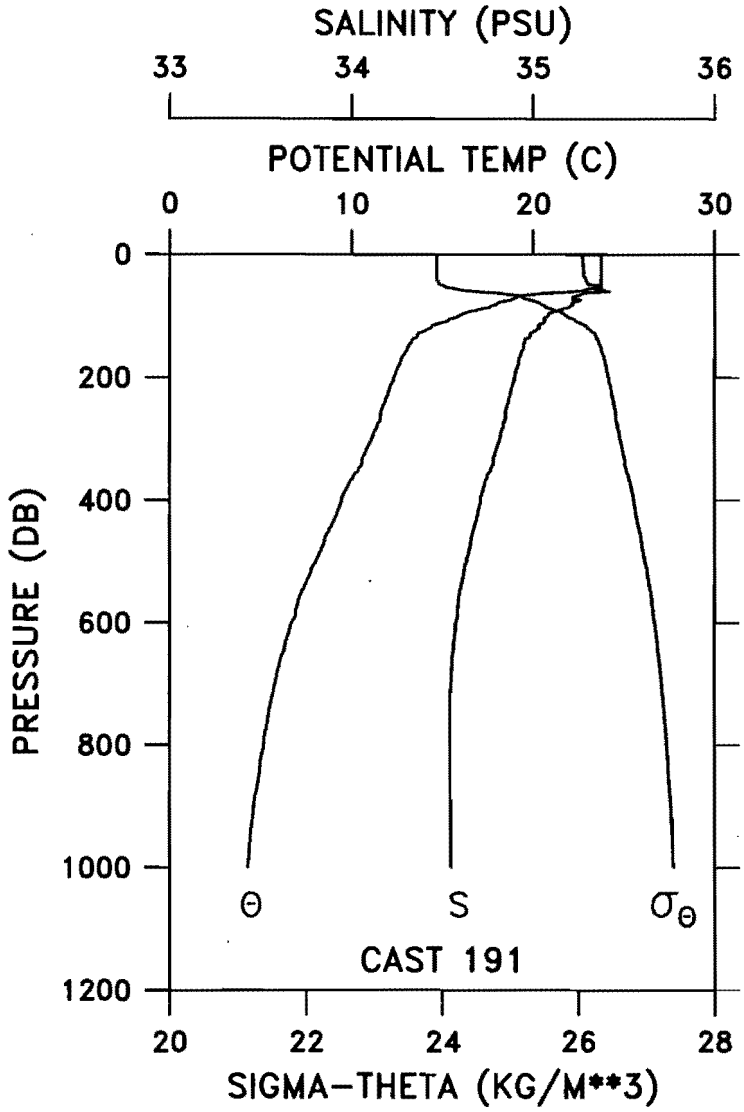
CAST GP6-98-RB-0171 DATE 30 OCT 98 TIME 0409 GMT
LAT 08 02.1S LONG 109 56.1W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 115 T SPD 13 KT VISIBILITY 7
CLOUD 6 AMOUNT 2 DRY 24.3 WET 21.2 DEPTH 3397 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.883	35.163	23.502	0.000
10	24.881	35.134	23.481	0.044
20	24.879	35.133	23.480	0.088
30	24.861	35.149	23.498	0.132
40	24.876	35.177	23.514	0.176
50	24.834	35.289	23.612	0.219
60	24.078	35.836	24.253	0.260
70	21.919	35.823	24.867	0.294
80	19.121	35.372	25.276	0.324
90	17.235	35.221	25.629	0.349
100	16.225	35.161	25.820	0.372
110	15.182	35.081	25.995	0.393
120	14.270	35.024	26.149	0.413
130	14.049	35.010	26.185	0.431
140	13.531	34.973	26.264	0.450
150	13.083	34.949	26.337	0.467
160	12.811	34.927	26.375	0.484
170	12.562	34.912	26.412	0.501
180	12.470	34.906	26.426	0.517
190	12.261	34.891	26.455	0.534
200	12.120	34.882	26.475	0.550
250	11.456	34.844	26.571	0.627
300	10.866	34.802	26.646	0.702
350	10.301	34.761	26.714	0.773
400	9.688	34.724	26.789	0.842
450	8.886	34.674	26.881	0.907
500	8.158	34.632	26.961	0.967
550	7.445	34.597	27.039	1.024
600	6.686	34.567	27.121	1.078
650	6.200	34.550	27.172	1.128
700	5.809	34.543	27.215	1.176
750	5.558	34.537	27.242	1.222
800	5.266	34.535	27.275	1.268
900	4.713	34.535	27.340	1.353
1000	4.273	34.544	27.395	1.434
1002	4.273	34.544	27.395	1.435



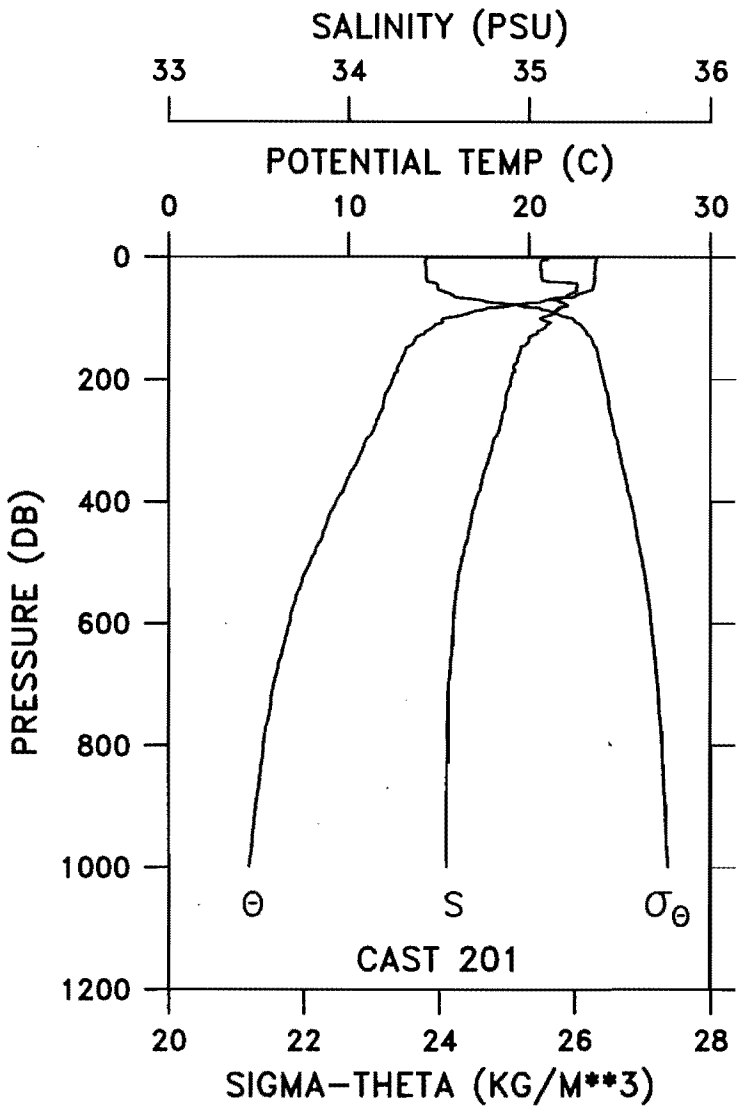
CAST GP6-98-RB-0181 DATE 03 NOV 98 TIME 0147 GMT
LAT 07 48.2S LONG 95 09.6W WEATHER 2 SEA STATE 3
BAROMETER 13 WIND DIR 122 T SPD 15 KT VISIBILITY 7
CLOUD 6 AMOUNT 7 DRY 23.2 WET 20.0 DEPTH 3924 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.622	35.594	24.204	0.000
10	23.615	35.591	24.204	0.037
20	23.573	35.589	24.215	0.074
30	23.509	35.588	24.233	0.111
40	23.492	35.592	24.241	0.148
50	23.439	35.599	24.262	0.185
60	23.367	35.593	24.278	0.222
70	22.962	35.551	24.364	0.258
80	22.062	35.513	24.592	0.292
90	19.876	35.397	25.098	0.324
100	18.633	35.289	25.336	0.352
110	16.915	35.054	25.577	0.378
120	15.422	35.033	25.905	0.400
130	14.531	35.004	26.078	0.421
140	14.076	34.994	26.167	0.440
150	13.824	34.982	26.211	0.459
160	13.460	34.958	26.268	0.477
170	13.224	34.945	26.306	0.495
180	12.928	34.928	26.352	0.512
190	12.581	34.894	26.394	0.529
200	12.475	34.894	26.415	0.546
250	11.834	34.857	26.510	0.627
300	10.983	34.802	26.625	0.704
350	10.235	34.755	26.720	0.775
400	9.402	34.698	26.817	0.843
450	8.410	34.640	26.929	0.906
500	7.536	34.598	27.026	0.964
550	6.912	34.573	27.095	1.018
600	6.409	34.551	27.145	1.069
650	6.000	34.543	27.192	1.118
700	5.621	34.536	27.234	1.165
750	5.301	34.536	27.272	1.210
800	5.063	34.535	27.300	1.254
900	4.627	34.540	27.353	1.338
1000	4.238	34.548	27.401	1.417
1002	4.236	34.548	27.401	1.419



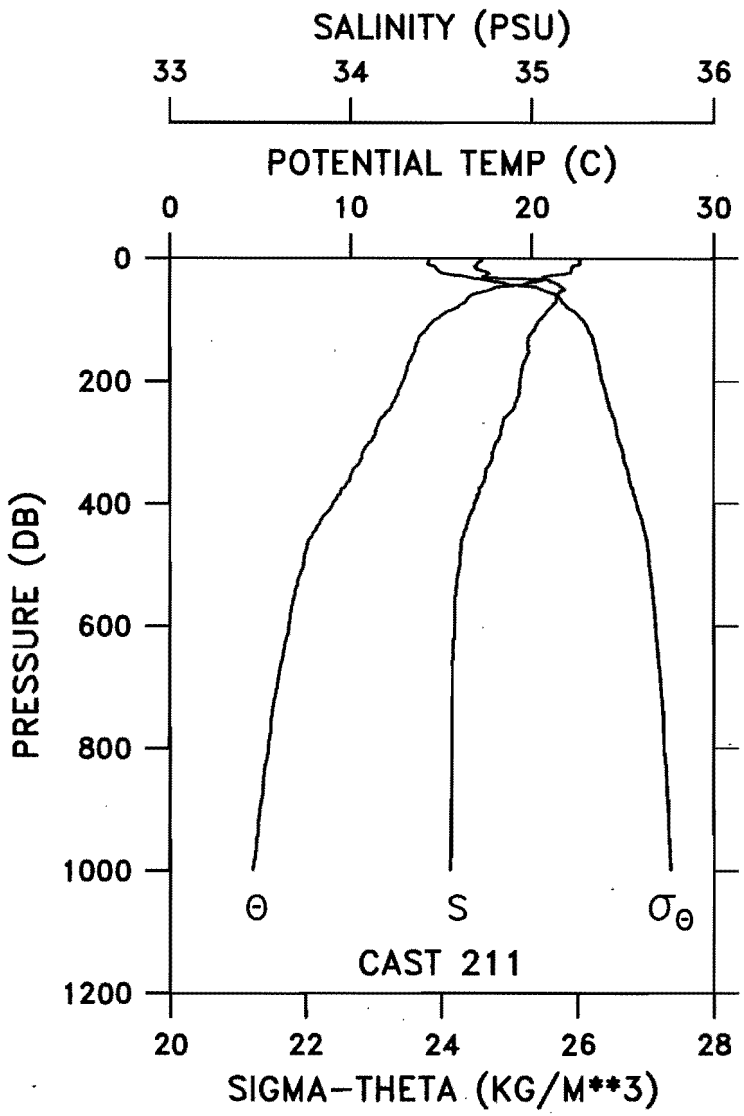
CAST GP6-98-RB-0191 DATE 04 NOV 98 TIME 0925 GMT
LAT 06 00.0S LONG 95 04.6W WEATHER 2 SEA STATE 3
BAROMETER 12 WIND DIR 105 T SPD 10 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 23.6 WET 19.9 DEPTH 3898 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.778	35.272	23.915	0.000
10	23.781	35.277	23.917	0.040
20	23.782	35.279	23.919	0.080
30	23.781	35.281	23.920	0.120
40	23.766	35.293	23.934	0.159
50	23.694	35.366	24.010	0.199
60	22.210	35.424	24.483	0.237
70	19.031	35.222	25.184	0.267
80	17.992	35.219	25.443	0.293
90	16.858	35.140	25.656	0.318
100	15.871	35.078	25.838	0.341
110	15.056	35.062	26.008	0.362
120	14.291	35.028	26.148	0.381
130	13.630	34.982	26.251	0.399
140	13.303	34.952	26.295	0.417
150	13.099	34.945	26.331	0.435
160	12.926	34.933	26.357	0.452
170	12.722	34.921	26.388	0.469
180	12.590	34.914	26.408	0.485
190	12.456	34.904	26.427	0.502
200	12.310	34.895	26.449	0.518
250	11.667	34.851	26.537	0.598
300	11.098	34.814	26.613	0.674
350	10.362	34.765	26.706	0.747
400	9.438	34.709	26.819	0.814
450	8.758	34.670	26.898	0.878
500	8.031	34.632	26.981	0.938
550	7.230	34.593	27.066	0.994
600	6.695	34.573	27.124	1.046
650	6.196	34.554	27.175	1.096
700	5.780	34.546	27.222	1.144
750	5.409	34.539	27.262	1.190
800	5.154	34.541	27.293	1.234
900	4.610	34.544	27.358	1.318
1000	4.267	34.549	27.399	1.397
1002	4.270	34.549	27.399	1.399



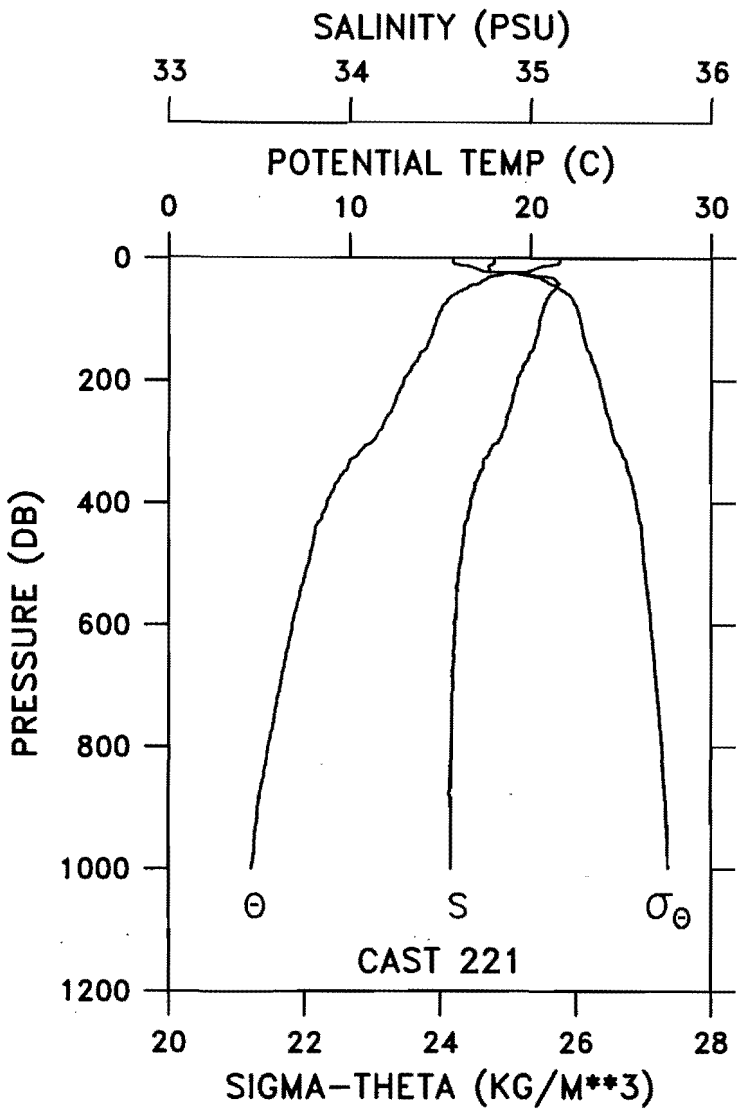
CAST GP6-98-RB-0201 DATE 04 NOV 98 TIME 1714 GMT
LAT 05 00.8S LONG 95 03.8W WEATHER 2 SEA STATE 4
BAROMETER 15 WIND DIR 100 T SPD 10 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 25.0 WET 19.6 DEPTH 3817 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.668	35.089	23.808	0.000
10	23.634	35.064	23.800	0.041
20	23.611	35.065	23.807	0.082
30	23.601	35.067	23.811	0.123
40	23.593	35.107	23.844	0.164
50	23.520	35.262	23.983	0.203
60	22.769	35.226	24.173	0.242
70	20.927	35.137	24.620	0.278
80	18.839	35.212	25.226	0.309
90	16.825	35.132	25.658	0.334
100	15.232	35.062	25.970	0.356
110	14.816	35.099	26.090	0.376
120	14.318	35.054	26.163	0.395
130	13.780	35.002	26.235	0.414
140	13.579	34.994	26.271	0.432
150	13.156	34.952	26.325	0.449
160	13.028	34.941	26.342	0.467
170	12.881	34.935	26.367	0.484
180	12.705	34.912	26.385	0.501
190	12.545	34.908	26.413	0.517
200	12.433	34.898	26.427	0.534
250	11.812	34.860	26.517	0.614
300	10.941	34.802	26.632	0.691
350	10.148	34.751	26.733	0.762
400	9.291	34.701	26.838	0.829
450	8.596	34.664	26.919	0.892
500	7.844	34.625	27.003	0.951
550	7.142	34.591	27.077	1.006
600	6.699	34.579	27.129	1.058
650	6.268	34.569	27.177	1.108
700	5.819	34.553	27.223	1.156
750	5.581	34.548	27.248	1.202
800	5.258	34.548	27.286	1.246
900	4.839	34.541	27.330	1.333
1000	4.469	34.542	27.372	1.415
1003	4.466	34.542	27.372	1.417



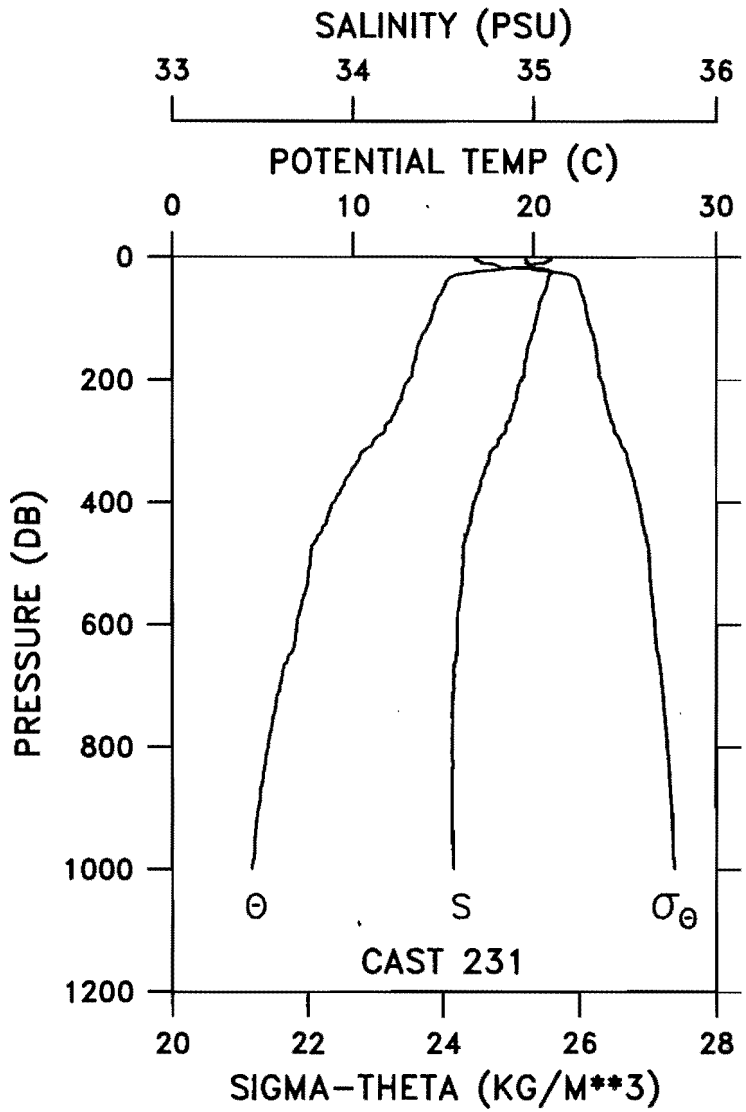
CAST GP6-98-RB-0211 DATE 04 NOV 98 TIME 2249 GMT
LAT 04 00.5S LONG 95 12.3W WEATHER 0 SEA STATE 3
BAROMETER 12 WIND DIR 135 T SPD 12 KT VISIBILITY 7
CLOUD AMOUNT 0 DRY 24.5 WET 20.0 DEPTH 3705 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.664	34.729	23.826	0.000
10	22.642	34.698	23.809	0.041
20	22.147	34.727	23.971	0.081
30	20.628	34.728	24.389	0.119
40	19.767	35.127	24.921	0.151
50	17.838	35.176	25.448	0.179
60	16.659	35.138	25.702	0.203
70	16.349	35.135	25.772	0.226
80	15.863	35.104	25.860	0.248
90	15.158	35.072	25.994	0.269
100	14.626	35.040	26.085	0.289
110	14.300	35.019	26.139	0.308
120	14.063	35.001	26.175	0.327
130	13.757	34.981	26.224	0.345
140	13.627	34.978	26.249	0.363
150	13.549	34.983	26.269	0.381
160	13.386	34.969	26.291	0.399
170	13.197	34.952	26.317	0.417
180	13.110	34.944	26.328	0.434
190	13.027	34.939	26.341	0.451
200	12.892	34.933	26.363	0.468
250	11.993	34.881	26.498	0.551
300	11.029	34.802	26.616	0.628
350	10.030	34.744	26.747	0.699
400	9.023	34.683	26.867	0.765
450	7.889	34.626	26.997	0.825
500	7.402	34.605	27.051	0.880
550	6.897	34.582	27.104	0.933
600	6.579	34.576	27.142	0.984
650	6.245	34.565	27.178	1.034
700	5.929	34.567	27.219	1.082
750	5.620	34.562	27.254	1.128
800	5.445	34.560	27.274	1.173
900	4.971	34.557	27.328	1.260
1000	4.588	34.552	27.367	1.343
1004	4.577	34.553	27.369	1.347



CAST GP6-98-RB-0221 DATE 05 NOV 98 TIME 0437 GMT
LAT 03 00.0S LONG 95 20.4W WEATHER 0 SEA STATE 1
BAROMETER 15 WIND DIR 090 T SPD 04 KT VISIBILITY 7
CLOUD 0 AMOUNT 1 DRY 22.5 WET 20.9 DEPTH 3545 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.577	34.799	24.185	0.000
10	21.385	34.791	24.231	0.037
20	20.001	34.773	24.590	0.072
30	17.832	35.076	25.373	0.102
40	17.190	35.151	25.585	0.127
50	16.428	35.135	25.754	0.150
60	15.701	35.099	25.893	0.171
70	15.361	35.082	25.956	0.192
80	15.092	35.069	26.006	0.213
90	14.923	35.058	26.035	0.233
100	14.765	35.048	26.061	0.253
110	14.672	35.045	26.079	0.272
120	14.570	35.038	26.096	0.292
130	14.451	35.029	26.114	0.311
140	14.289	35.017	26.140	0.330
150	14.123	35.006	26.166	0.349
160	13.829	34.985	26.212	0.368
170	13.591	34.967	26.247	0.386
180	13.379	34.952	26.280	0.404
190	13.167	34.936	26.310	0.422
200	12.967	34.923	26.341	0.439
250	12.269	34.878	26.443	0.524
300	11.279	34.822	26.586	0.602
350	9.649	34.720	26.793	0.673
400	8.758	34.669	26.897	0.736
450	8.084	34.633	26.974	0.796
500	7.730	34.610	27.008	0.853
550	7.238	34.592	27.064	0.908
600	6.802	34.578	27.114	0.961
650	6.462	34.574	27.156	1.012
700	6.145	34.569	27.194	1.061
750	5.811	34.565	27.233	1.109
800	5.461	34.559	27.271	1.155
900	4.905	34.556	27.334	1.242
1000	4.553	34.559	27.376	1.324
1001	4.552	34.559	27.377	1.325

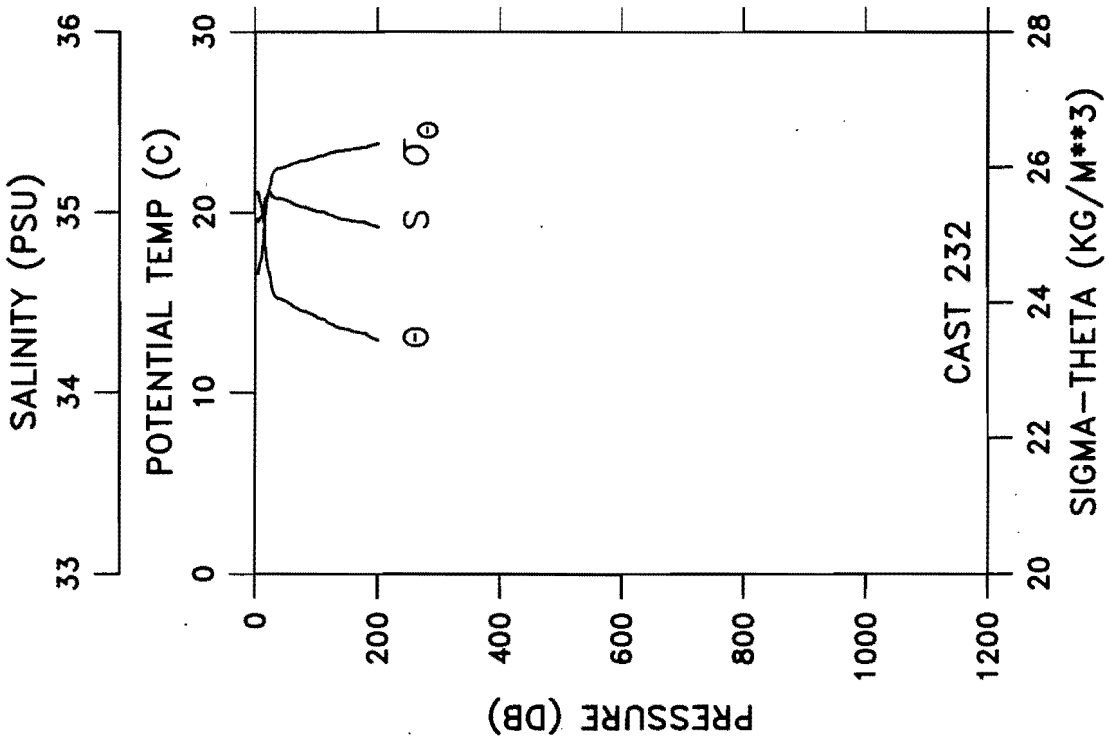


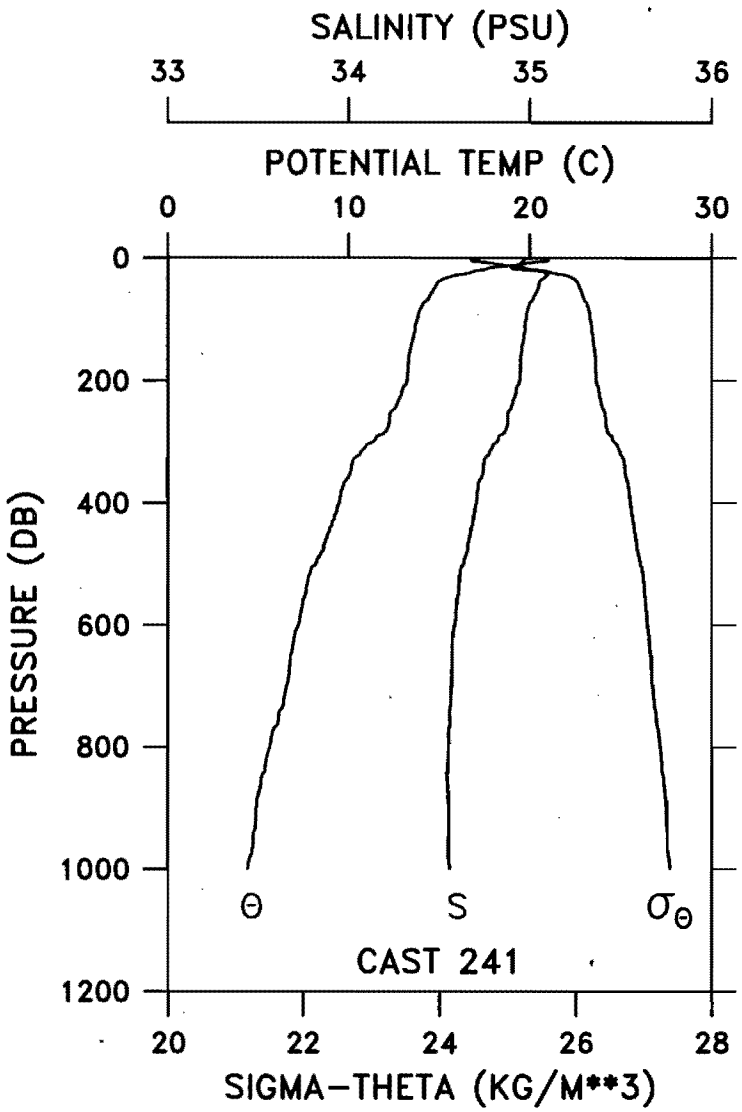
CAST GP6-98-RB-0231 DATE 05 NOV 98 TIME 1123 GMT
LAT 01 58.8S LONG 95 28.2W WEATHER 4 SEA STATE 1
BAROMETER 13 WIND DIR 080 T SPD 02 KT VISIBILITY 6
CLOUD AMOUNT 0 DRY 21.5 WET 20.0 DEPTH 3352 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.955	34.957	24.475	0.000
10	20.621	34.953	24.562	0.034
20	18.107	35.073	25.303	0.065
30	15.618	35.082	25.899	0.088
40	15.178	35.073	25.990	0.109
50	15.057	35.068	26.012	0.129
60	14.890	35.054	26.039	0.149
70	14.671	35.038	26.074	0.168
80	14.534	35.029	26.096	0.188
90	14.437	35.021	26.111	0.207
100	14.337	35.013	26.127	0.226
110	14.184	35.004	26.152	0.245
120	14.048	35.000	26.178	0.264
130	13.808	34.985	26.216	0.282
140	13.667	34.974	26.237	0.301
150	13.561	34.964	26.251	0.319
160	13.511	34.960	26.258	0.337
170	13.424	34.951	26.270	0.355
180	13.331	34.948	26.286	0.373
190	13.294	34.946	26.293	0.390
200	13.118	34.933	26.318	0.408
250	12.378	34.884	26.427	0.493
300	11.156	34.805	26.596	0.573
350	9.904	34.728	26.756	0.644
400	8.948	34.672	26.870	0.709
450	8.221	34.637	26.956	0.770
500	7.653	34.613	27.022	0.827
550	7.356	34.600	27.054	0.882
600	6.897	34.580	27.102	0.936
650	6.472	34.573	27.154	0.987
700	5.967	34.559	27.208	1.036
750	5.584	34.550	27.250	1.083
800	5.306	34.552	27.284	1.128
900	4.795	34.554	27.345	1.213
1000	4.426	34.562	27.393	1.293
1500	2.949	34.608	27.577	1.636
2000	2.178	34.645	27.673	1.917
2500	1.697	34.665	27.727	2.166
3000	1.526	34.677	27.749	2.398
3003	1.526	34.677	27.749	2.400

CAST GP6-98-RB-0232 DATE 05 NOV 98 TIME 1326 GMT
LAT 01 58.8S LONG 95 28.2W WEATHER 0 SEA STATE 1
BAROMETER 14 WIND DIR 180 T SPD 04 KT VISIBILITY 7
CLOUD AMOUNT 0 DRY 21.2 WET 20.0 DEPTH 3352 M

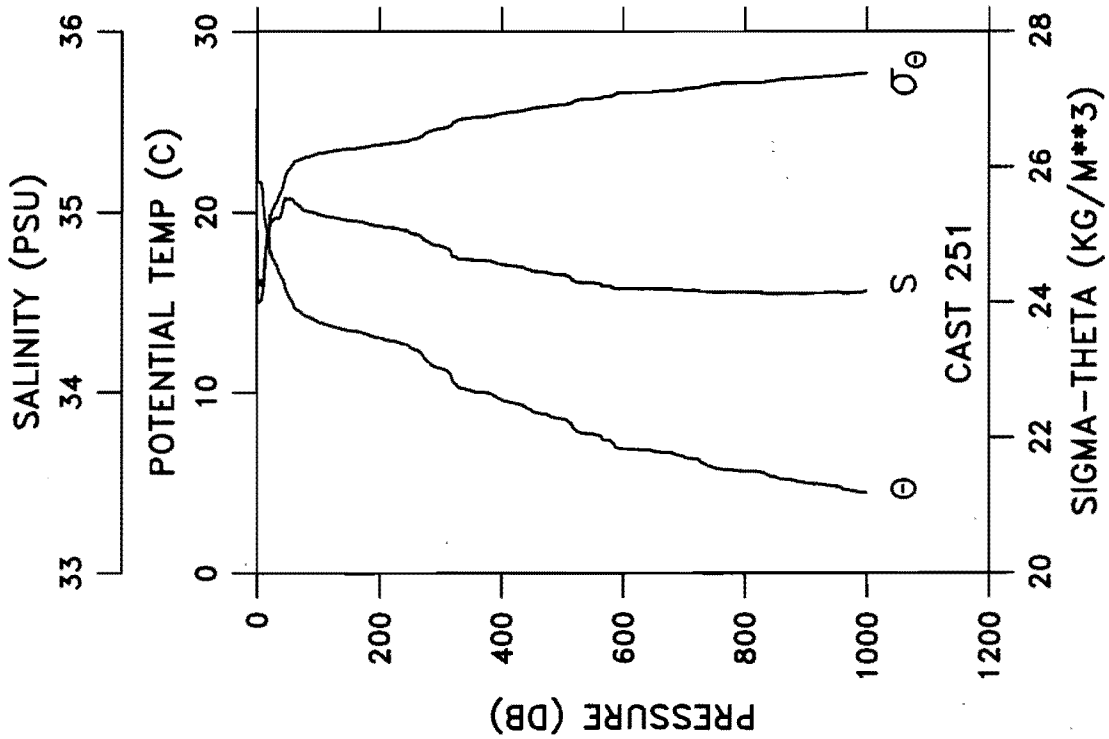
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.150	34.965	24.428	0.000
10	20.397	34.978	24.641	0.034
20	17.096	35.091	25.563	0.063
30	15.536	35.086	25.920	0.085
40	15.201	35.078	25.989	0.106
50	15.055	35.068	26.013	0.126
60	14.840	35.050	26.046	0.146
70	14.647	35.036	26.078	0.165
80	14.513	35.028	26.100	0.185
90	14.380	35.017	26.121	0.204
100	14.174	35.003	26.154	0.223
110	14.068	35.003	26.176	0.241
120	13.851	34.988	26.210	0.260
130	13.683	34.975	26.235	0.278
140	13.556	34.964	26.252	0.296
150	13.502	34.959	26.260	0.314
160	13.370	34.950	26.280	0.332
170	13.306	34.947	26.290	0.350
180	13.288	34.946	26.294	0.368
190	13.033	34.928	26.331	0.385
200	12.885	34.918	26.353	0.402
201	12.868	34.918	26.357	0.404





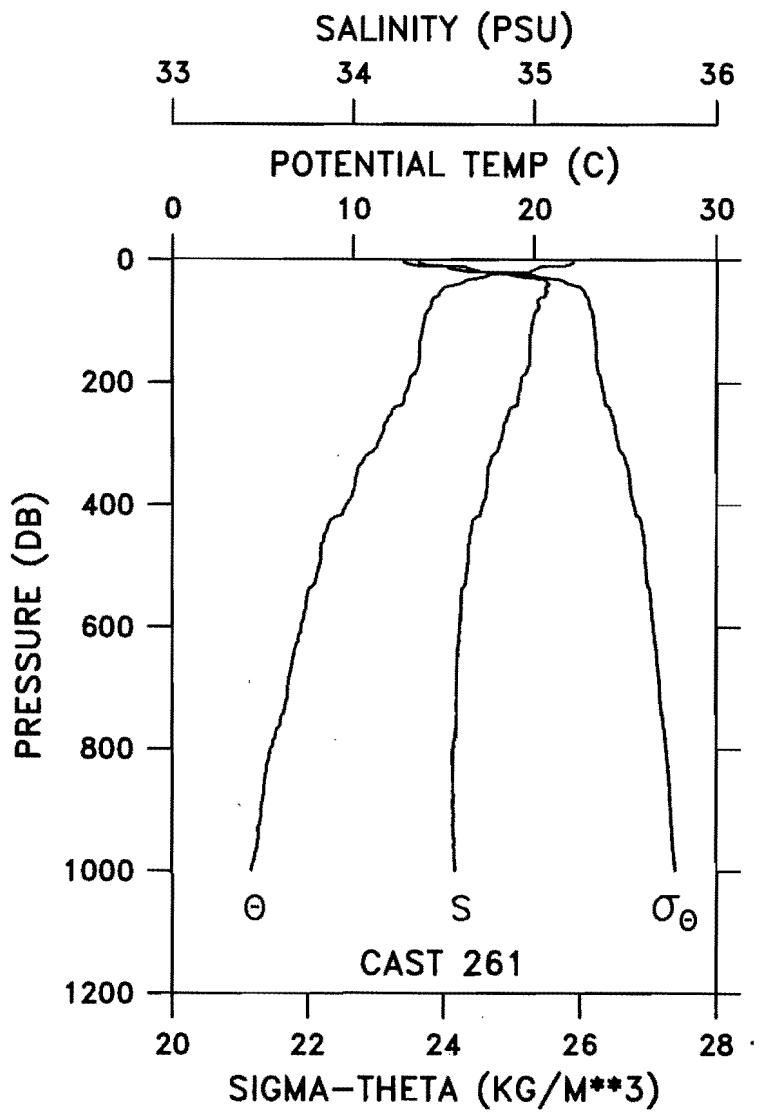
CAST GP6-98-RB-0241 DATE 05 NOV 98 TIME 2358 GMT
LAT 01 30.0S LONG 95 00.5W WEATHER SEA STATE
BAROMETER 11 WIND DIR T SPD KT VISIBILITY
CLOUD AMOUNT DRY WET DEPTH 3336 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.006	34.971	24.472	0.000
10	19.426	34.942	24.869	0.033
20	17.083	35.026	25.515	0.061
30	15.630	35.086	25.899	0.084
40	14.896	35.050	26.034	0.104
50	14.712	35.041	26.067	0.124
60	14.497	35.024	26.101	0.143
70	14.282	35.010	26.136	0.162
80	13.983	34.989	26.183	0.181
90	13.845	34.981	26.205	0.199
100	13.790	34.977	26.214	0.218
110	13.665	34.971	26.236	0.236
120	13.645	34.971	26.239	0.254
130	13.566	34.966	26.252	0.272
140	13.470	34.958	26.266	0.290
150	13.398	34.954	26.277	0.308
160	13.313	34.948	26.290	0.325
170	13.292	34.947	26.293	0.343
180	13.287	34.947	26.294	0.361
190	13.255	34.945	26.299	0.378
200	13.221	34.942	26.304	0.396
250	12.346	34.880	26.430	0.482
300	11.345	34.815	26.569	0.563
350	10.118	34.743	26.732	0.635
400	9.499	34.705	26.806	0.702
450	8.887	34.670	26.878	0.766
500	8.208	34.635	26.956	0.827
550	7.621	34.605	27.020	0.885
600	7.246	34.586	27.058	0.940
650	6.799	34.572	27.109	0.994
700	6.569	34.566	27.136	1.046
750	6.140	34.559	27.186	1.096
800	5.649	34.554	27.244	1.144
900	4.896	34.553	27.333	1.232
1000	4.437	34.558	27.388	1.314
1001	4.437	34.558	27.388	1.315



CAST GP6-98-RB-0251 DATE 06 NOV 98 TIME 0343 GMT
LAT 01 00.0S LONG 95 00.0W WEATHER 0 SEA STATE 2
BAROMETER 15 WIND DIR 130 T SPD 07 KT VISIBILITY 7
CLOUD AMOUNT 0 DRY 22.1 WET 20.5 DEPTH 3322 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.682	34.600	24.004	0.000
10	20.735	34.583	24.249	0.039
20	18.458	34.900	25.083	0.070
30	17.124	34.968	25.461	0.096
40	16.387	34.995	25.656	0.121
50	15.420	35.072	25.936	0.143
60	14.755	35.058	26.071	0.163
70	14.485	35.033	26.110	0.182
80	14.221	35.007	26.147	0.201
90	14.095	35.001	26.169	0.220
100	13.884	34.986	26.201	0.238
110	13.785	34.978	26.216	0.257
120	13.685	34.970	26.231	0.275
130	13.595	34.967	26.247	0.293
140	13.500	34.959	26.260	0.311
150	13.431	34.955	26.271	0.329
160	13.400	34.952	26.275	0.347
170	13.329	34.947	26.286	0.364
180	13.223	34.939	26.301	0.382
190	13.084	34.927	26.320	0.400
200	13.028	34.924	26.329	0.417
250	12.493	34.886	26.406	0.503
300	11.347	34.813	26.567	0.583
350	10.094	34.736	26.730	0.656
400	9.612	34.710	26.791	0.724
450	8.978	34.673	26.866	0.789
500	8.552	34.653	26.918	0.852
550	7.719	34.609	27.008	0.910
600	6.883	34.575	27.100	0.965
650	6.763	34.573	27.115	1.018
700	6.417	34.564	27.154	1.069
750	5.816	34.554	27.224	1.118
800	5.642	34.554	27.245	1.165
900	4.967	34.546	27.319	1.254
1000	4.450	34.561	27.389	1.336
1002	4.450	34.562	27.390	1.338

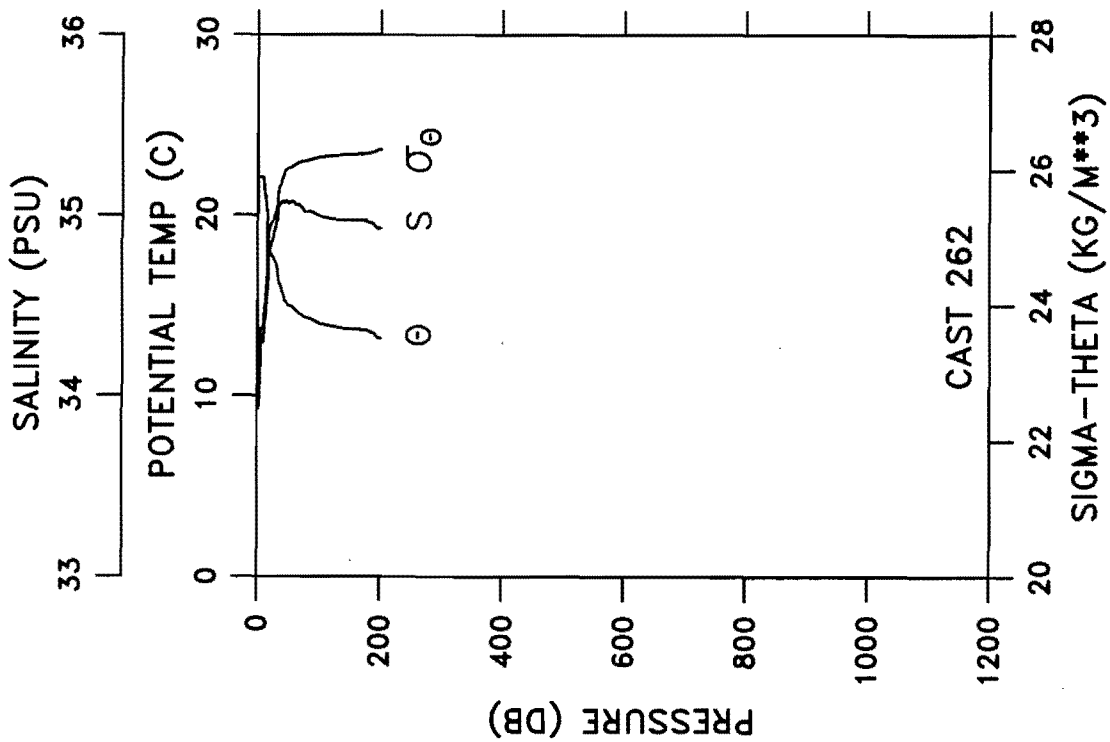


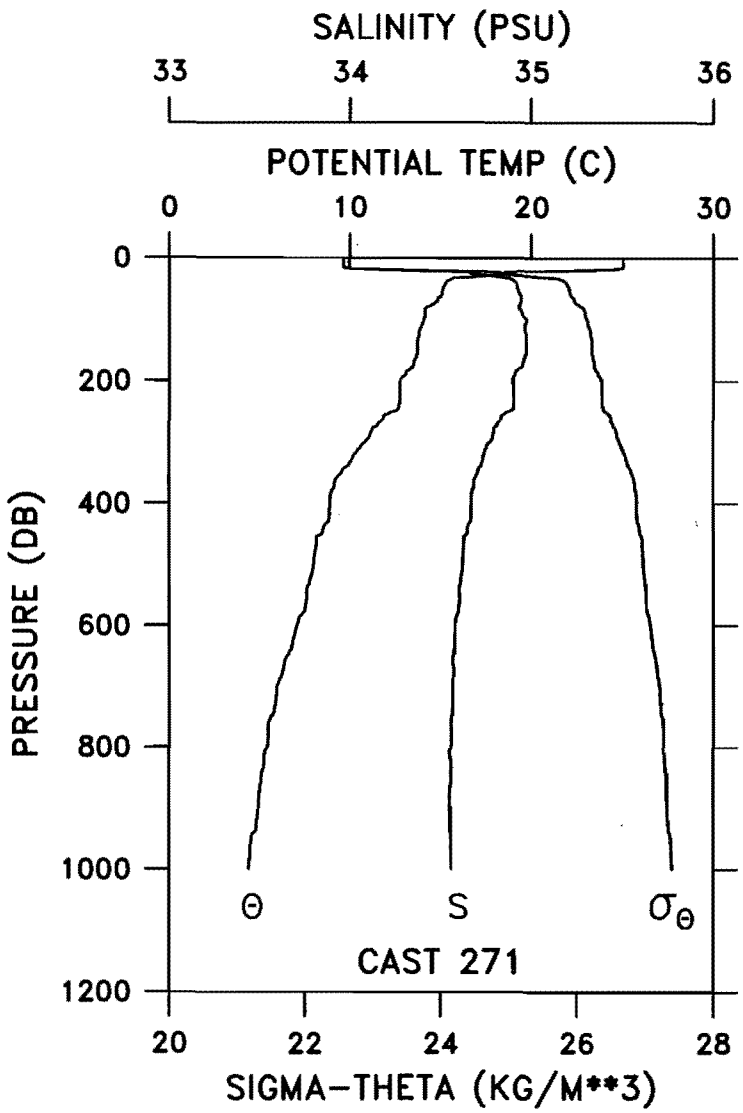
CAST GP6-98-RB-0261 DATE 06 NOV 98 TIME 1300 GMT
LAT 00 01.0S LONG 94 55.8W WEATHER 2 SEA STATE 2
BAROMETER 14 WIND DIR 170 T SPD 07 KT VISIBILITY 7
CLOUD 6 AMOUNT 7 DRY 22.5 WET 21.0 DEPTH 3369 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.123	34.283	23.640	0.000
10	21.523	34.387	23.886	0.042
20	19.701	34.644	24.570	0.077
30	16.939	35.001	25.531	0.105
40	15.765	35.082	25.865	0.127
50	14.891	35.067	26.048	0.147
60	14.655	35.057	26.092	0.167
70	14.348	35.021	26.130	0.186
80	14.241	35.024	26.155	0.205
90	13.984	34.998	26.190	0.223
100	13.913	34.991	26.199	0.242
110	13.860	34.986	26.206	0.260
120	13.799	34.981	26.216	0.278
130	13.715	34.977	26.230	0.297
140	13.681	34.976	26.236	0.315
150	13.677	34.975	26.236	0.333
160	13.660	34.975	26.240	0.351
170	13.628	34.973	26.244	0.369
180	13.512	34.961	26.260	0.387
190	13.234	34.934	26.295	0.405
200	13.119	34.926	26.312	0.423
250	12.145	34.859	26.452	0.509
300	11.375	34.810	26.559	0.588
350	10.211	34.745	26.717	0.661
400	9.649	34.717	26.791	0.730
450	8.411	34.647	26.935	0.793
500	8.160	34.635	26.963	0.852
550	7.469	34.601	27.038	0.909
600	7.137	34.590	27.077	0.964
650	6.670	34.579	27.132	1.017
700	6.386	34.576	27.168	1.067
750	5.982	34.572	27.217	1.116
800	5.424	34.552	27.270	1.163
900	4.896	34.554	27.334	1.249
1000	4.370	34.565	27.401	1.330
1500	2.735	34.613	27.600	1.674
2000	2.118	34.643	27.676	1.950
2500	1.686	34.665	27.727	2.194
3000	1.522	34.675	27.748	2.426
3003	1.523	34.675	27.748	2.427

CAST GP6-98-RB-0262 DATE 06 NOV 98 TIME 1445 GMT
LAT 00 01.0S LONG 94 55.8W WEATHER 2 SEA STATE 2
BAROMETER 16 WIND DIR 140 T SPD 07 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 23.0 WET 20.1 DEPTH 3369 M

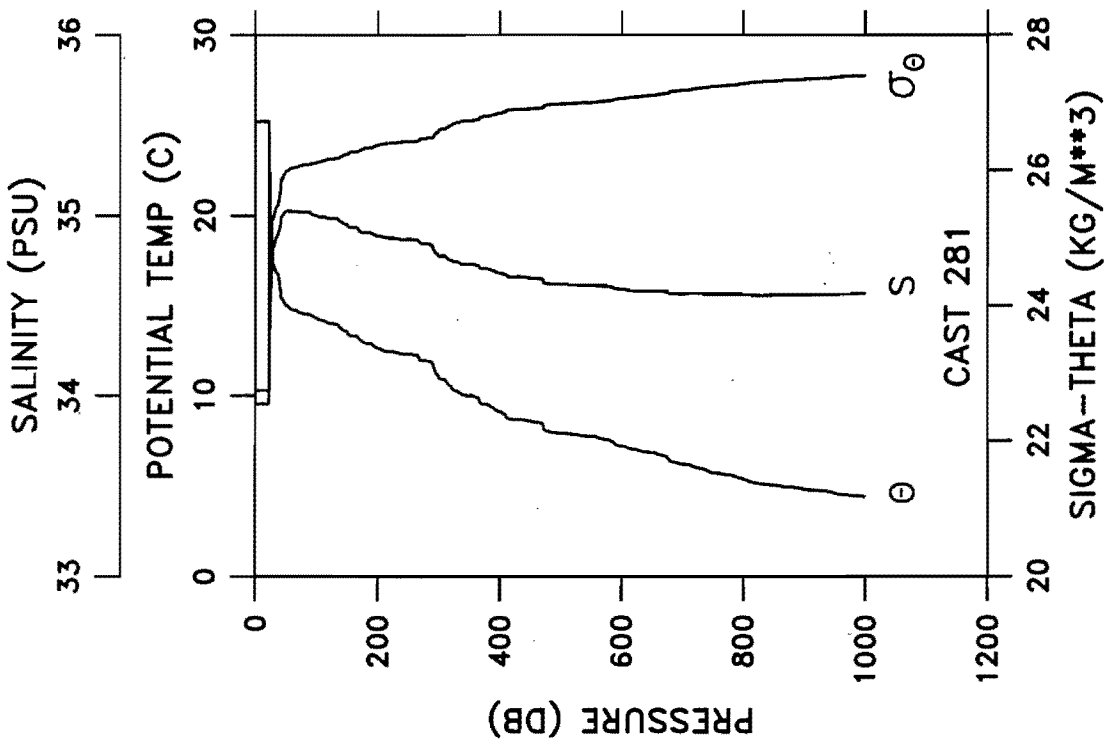
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.143	33.927	23.364	0.000
10	21.809	34.327	23.761	0.043
20	17.954	34.809	25.138	0.078
30	17.308	34.934	25.391	0.105
40	15.694	35.076	25.876	0.128
50	14.974	35.064	26.028	0.149
60	14.759	35.063	26.074	0.169
70	14.464	35.043	26.122	0.188
80	14.301	35.017	26.138	0.207
90	14.157	35.013	26.164	0.226
100	14.003	34.996	26.184	0.244
110	13.903	34.986	26.198	0.263
120	13.839	34.980	26.206	0.281
130	13.779	34.975	26.214	0.299
140	13.704	34.972	26.228	0.318
150	13.679	34.972	26.233	0.336
160	13.673	34.971	26.234	0.354
170	13.644	34.970	26.239	0.372
180	13.565	34.961	26.248	0.390
190	13.436	34.949	26.266	0.409
200	13.164	34.925	26.303	0.426
201	13.160	34.926	26.304	0.428





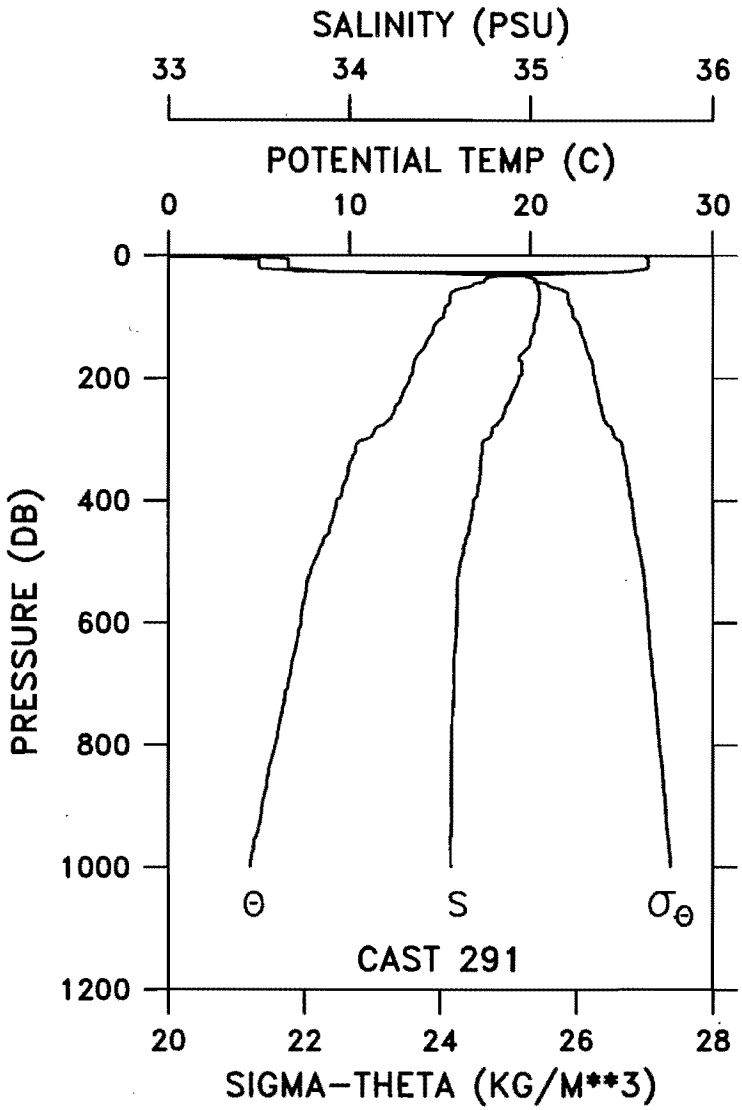
CAST GP6-98-RB-0271 DATE 07 NOV 98 TIME 0502 GMT
LAT 00 30.0N LONG 95 01.3W WEATHER 1 SEA STATE 4
BAROMETER 16 WIND DIR 175 T SPD 14 KT VISIBILITY 7
CLOUD 8 AMOUNT 1 DRY 23.1 WET 20.2 DEPTH 3281 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.038	33.999	22.575	0.000
10	25.041	33.996	22.572	0.053
20	22.147	34.275	23.627	0.104
30	17.054	34.811	25.357	0.135
40	15.296	34.916	25.842	0.158
50	15.122	34.924	25.887	0.179
60	15.072	34.938	25.909	0.200
70	14.828	34.942	25.966	0.221
80	14.229	34.931	26.086	0.241
90	14.129	34.949	26.121	0.260
100	14.082	34.976	26.152	0.279
110	13.954	34.962	26.168	0.298
120	13.832	34.967	26.198	0.317
130	13.762	34.972	26.216	0.335
140	13.726	34.971	26.223	0.353
150	13.719	34.971	26.224	0.372
160	13.677	34.966	26.229	0.390
170	13.529	34.954	26.250	0.408
180	13.349	34.931	26.269	0.426
190	13.056	34.908	26.311	0.444
200	12.756	34.896	26.361	0.461
250	12.408	34.873	26.412	0.546
300	10.839	34.772	26.627	0.624
350	9.549	34.706	26.799	0.694
400	8.890	34.671	26.878	0.757
450	8.446	34.646	26.929	0.819
500	8.000	34.623	26.978	0.877
550	7.615	34.607	27.022	0.935
600	7.078	34.584	27.081	0.990
650	6.527	34.571	27.146	1.042
700	5.948	34.568	27.218	1.091
750	5.608	34.563	27.256	1.138
800	5.398	34.559	27.278	1.183
900	4.916	34.553	27.331	1.268
1000	4.381	34.563	27.398	1.349
1001	4.381	34.563	27.398	1.350



CAST GP6-98-RB-0281 DATE 07 NOV 98 TIME 0836 GMT
LAT 01 00.0N LONG 95 14.3W WEATHER 2 SEA STATE 4
BAROMETER 14 WIND DIR 185 T SPD 14 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 23.0 WET 21.0 DEPTH 3500 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.203	34.028	22.547	0.000
10	25.208	34.030	22.547	0.053
20	25.210	34.030	22.546	0.106
30	17.245	34.825	25.323	0.144
40	16.203	34.936	25.653	0.169
50	15.009	35.026	25.991	0.190
60	14.795	35.025	26.037	0.210
70	14.645	35.020	26.066	0.230
80	14.555	35.020	26.085	0.249
90	14.492	35.016	26.095	0.269
100	14.319	34.999	26.120	0.288
110	14.179	34.993	26.145	0.307
120	14.022	34.984	26.171	0.326
130	13.987	34.984	26.178	0.344
140	13.746	34.966	26.215	0.363
150	13.552	34.948	26.241	0.381
160	13.329	34.934	26.276	0.399
170	13.139	34.913	26.298	0.417
180	12.923	34.906	26.336	0.434
190	12.892	34.902	26.339	0.452
200	12.634	34.888	26.380	0.469
250	12.311	34.868	26.427	0.552
300	10.984	34.774	26.603	0.633
350	10.008	34.731	26.741	0.704
400	9.116	34.681	26.850	0.771
450	8.602	34.655	26.911	0.832
500	7.940	34.621	26.985	0.892
550	7.770	34.615	27.006	0.949
600	7.225	34.593	27.067	1.005
650	6.848	34.582	27.111	1.058
700	6.210	34.567	27.183	1.109
750	5.719	34.565	27.244	1.157
800	5.367	34.560	27.284	1.202
900	4.807	34.560	27.349	1.287
1000	4.402	34.569	27.401	1.367
1000	4.402	34.569	27.401	1.367

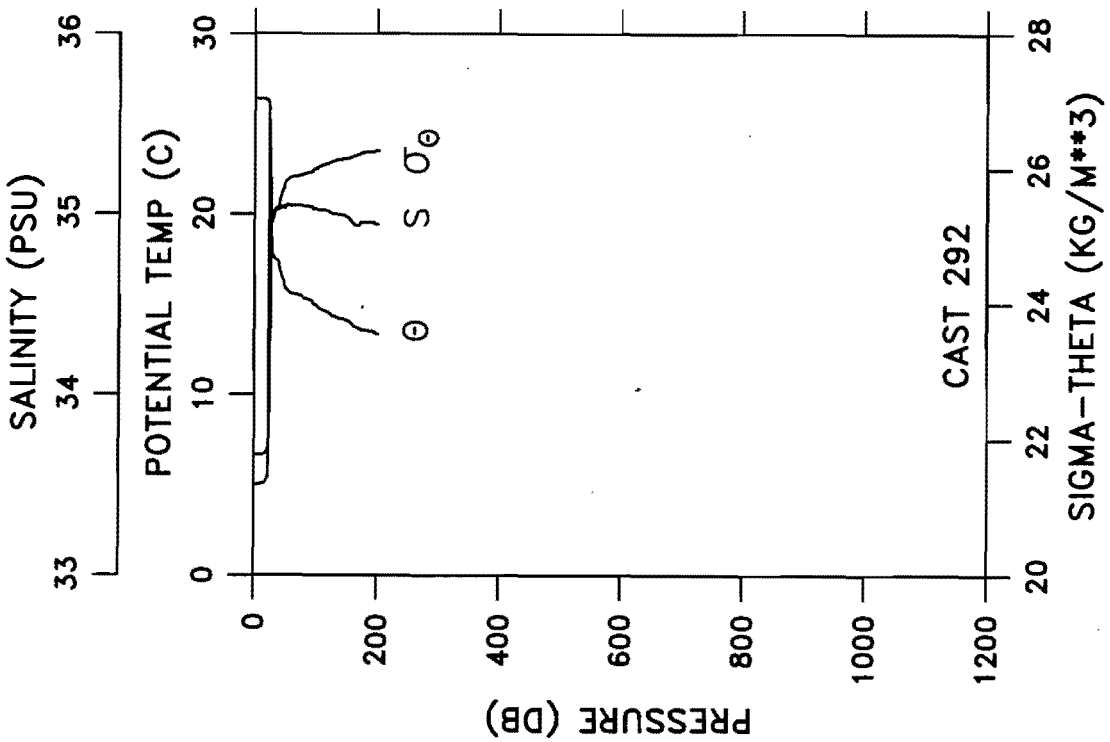


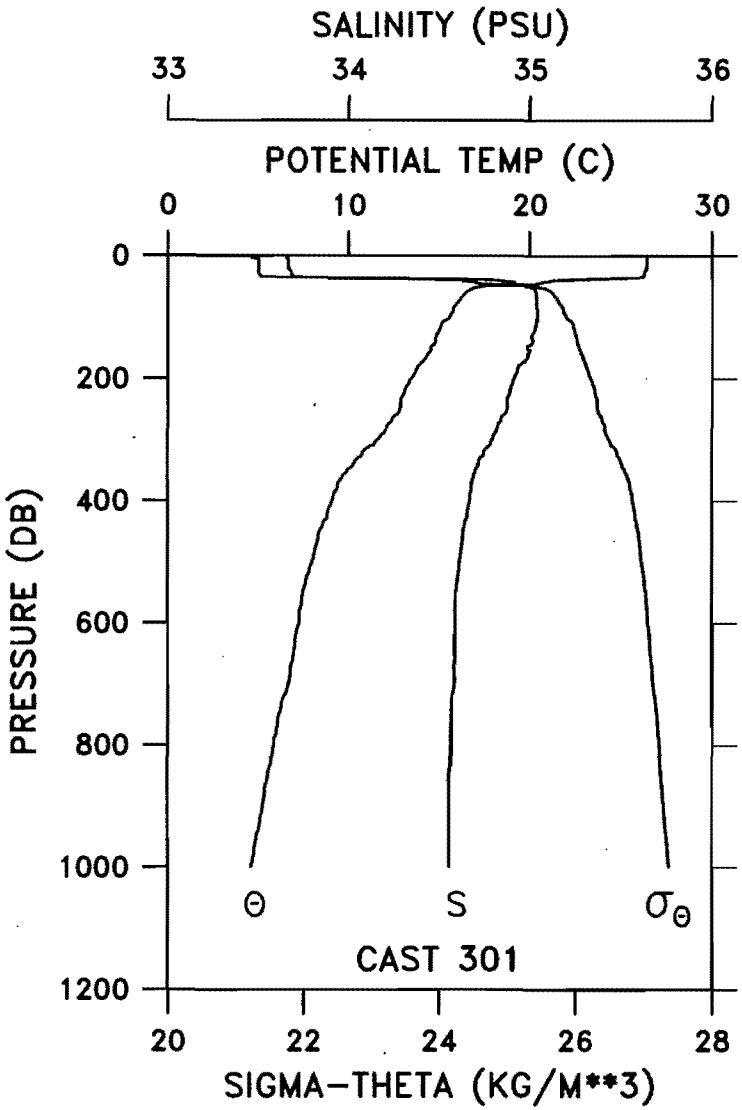
CAST GP6-98-RB-0291 DATE 08 NOV 98 TIME 0230 GMT
LAT 01 59.2N LONG 95 00.0W WEATHER 2 SEA STATE 4
BAROMETER 15 WIND DIR 177 T SPD 20 KT VISIBILITY 6
CLOUD 6 AMOUNT 7 DRY 25.0 WET 23.1 DEPTH 3111 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.438	32.906	21.320	0.000
10	26.465	33.498	21.758	0.062
20	26.451	33.503	21.766	0.123
30	20.851	34.598	24.230	0.175
40	17.477	35.025	25.420	0.203
50	16.709	35.043	25.617	0.228
60	15.633	35.049	25.870	0.250
70	15.561	35.049	25.886	0.272
80	15.475	35.047	25.904	0.293
90	15.280	35.044	25.945	0.314
100	15.196	35.037	25.958	0.334
110	14.766	35.020	26.039	0.355
120	14.631	35.020	26.069	0.374
130	14.482	35.009	26.092	0.394
140	14.279	35.000	26.128	0.413
150	14.108	34.985	26.154	0.433
160	13.827	34.951	26.186	0.451
170	13.616	34.936	26.218	0.470
180	13.529	34.953	26.249	0.488
190	13.501	34.954	26.256	0.506
200	13.335	34.936	26.276	0.524
250	12.515	34.861	26.382	0.612
300	10.908	34.757	26.603	0.693
350	9.942	34.725	26.747	0.763
400	9.295	34.687	26.826	0.830
450	8.897	34.663	26.871	0.894
500	8.048	34.618	26.967	0.955
550	7.596	34.597	27.017	1.012
600	7.306	34.594	27.057	1.068
650	6.952	34.584	27.098	1.122
700	6.610	34.581	27.142	1.174
750	6.245	34.574	27.184	1.224
800	5.895	34.566	27.223	1.273
900	5.143	34.565	27.314	1.363
1000	4.496	34.563	27.386	1.446
1500	2.827	34.610	27.589	1.789
2000	2.051	34.645	27.683	2.063
2500	1.676	34.666	27.729	2.303
3000	1.591	34.671	27.740	2.538
3002	1.591	34.671	27.739	2.539

CAST GP6-98-RB-0292 DATE 08 NOV 98 TIME 0416 GMT
LAT 01 59.7N LONG 95 00.5W WEATHER 2 SEA STATE 4
BAROMETER 15 WIND DIR 162 T SPD 17 KT VISIBILITY 6
CLOUD 6 AMOUNT 8 DRY 25.0 WET 22.8 DEPTH 3126 M

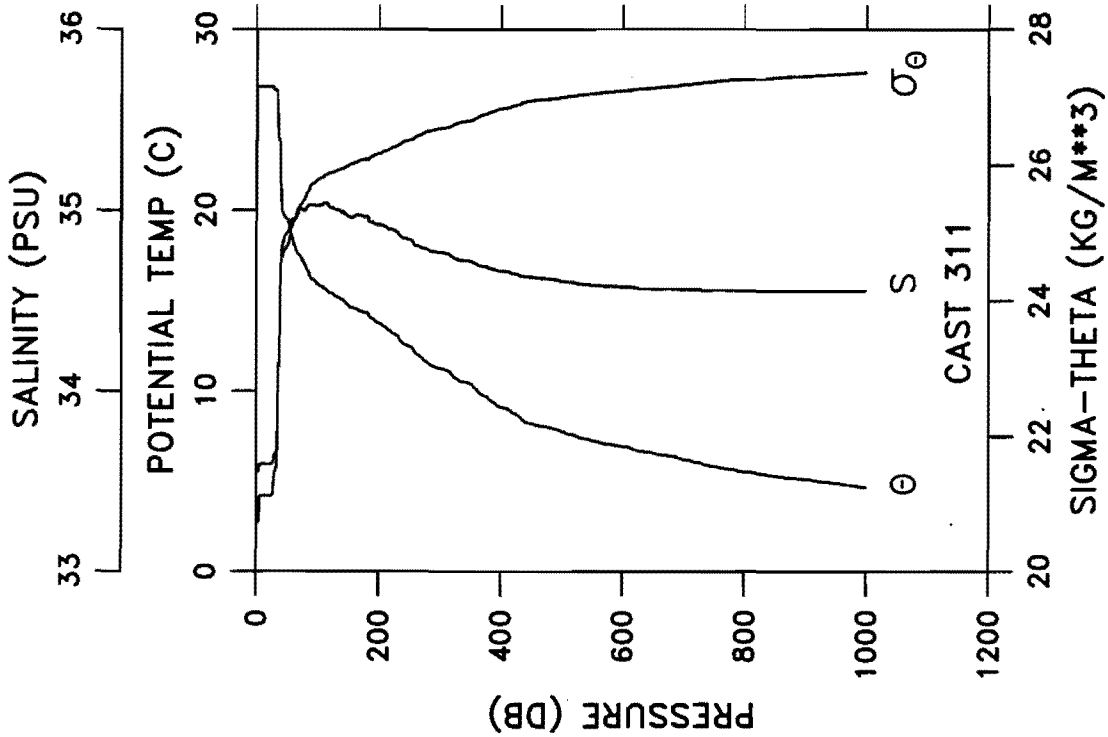
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.395	33.504	21.784	0.000
10	26.397	33.508	21.787	0.060
20	26.316	33.531	21.830	0.120
30	17.732	34.964	25.311	0.166
40	17.300	35.028	25.465	0.192
50	15.883	35.040	25.806	0.215
60	15.560	35.044	25.882	0.237
70	15.520	35.046	25.892	0.258
80	15.317	35.044	25.936	0.279
90	15.210	35.038	25.955	0.300
100	14.951	35.028	26.005	0.321
110	14.713	35.021	26.051	0.341
120	14.563	35.015	26.080	0.360
130	14.318	35.000	26.121	0.380
140	14.197	34.995	26.143	0.399
150	14.087	34.983	26.156	0.418
160	13.812	34.949	26.188	0.437
170	13.636	34.935	26.213	0.455
180	13.543	34.953	26.247	0.473
190	13.509	34.953	26.254	0.492
200	13.366	34.940	26.273	0.510
202	13.364	34.940	26.274	0.513





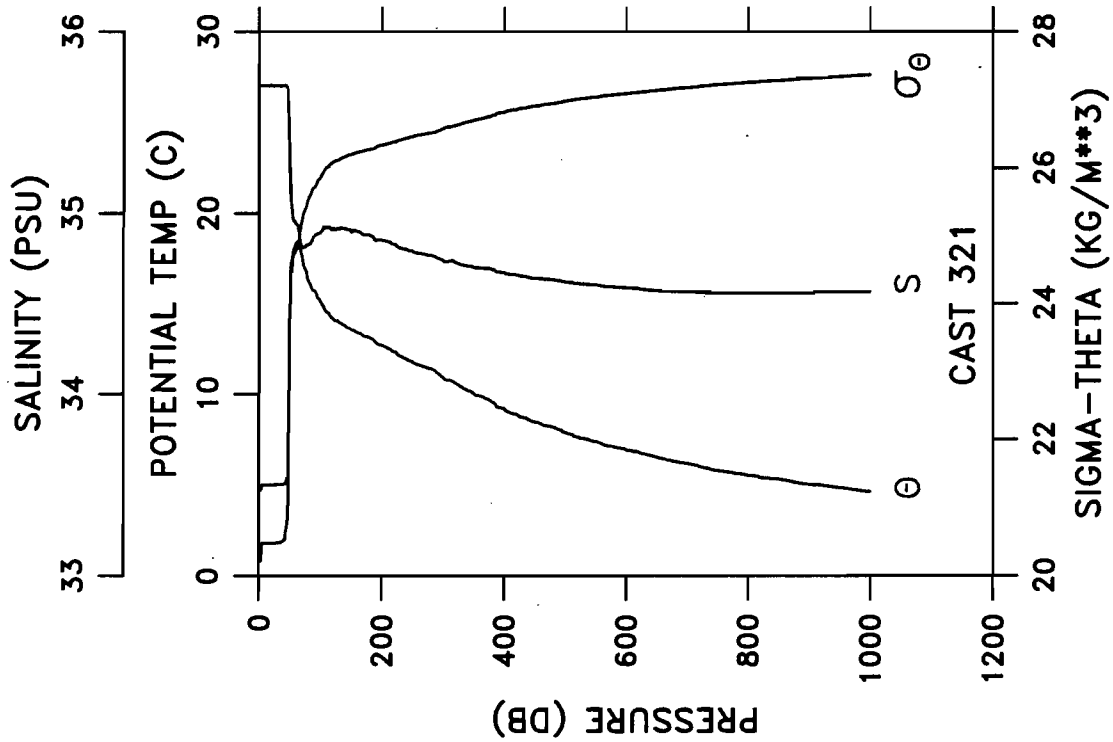
CAST GP6-98-RB-0301 DATE 08 NOV 98 TIME 2324 GMT
LAT 02 59.6N LONG 94 56.2W WEATHER 1 SEA STATE 5
BAROMETER 11 WIND DIR 150 T SPD 16 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 26.0 WET 23.0 DEPTH 3262 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.419	33.463	21.746	0.000
10	26.417	33.505	21.778	0.060
20	26.410	33.504	21.780	0.121
30	26.278	33.506	21.823	0.181
40	21.302	34.823	24.278	0.233
50	17.363	34.993	25.423	0.266
60	16.487	35.035	25.663	0.290
70	16.178	35.037	25.736	0.313
80	15.905	35.037	25.799	0.335
90	15.765	35.041	25.834	0.357
100	15.588	35.042	25.874	0.379
110	15.143	35.033	25.967	0.400
120	15.040	35.029	25.987	0.421
130	14.849	35.011	26.014	0.441
140	14.806	35.018	26.029	0.461
150	14.549	34.988	26.062	0.481
160	14.393	34.988	26.095	0.501
170	14.163	34.976	26.134	0.520
180	13.852	34.933	26.167	0.539
190	13.701	34.928	26.195	0.558
200	13.470	34.911	26.229	0.577
250	12.847	34.872	26.325	0.666
300	11.599	34.793	26.505	0.750
350	9.920	34.701	26.732	0.824
400	9.089	34.669	26.845	0.890
450	8.382	34.633	26.928	0.953
500	7.978	34.612	26.973	1.012
550	7.449	34.593	27.035	1.069
600	7.262	34.589	27.059	1.124
650	6.949	34.586	27.100	1.178
700	6.658	34.584	27.138	1.230
750	6.127	34.569	27.196	1.280
800	5.856	34.566	27.228	1.328
900	5.253	34.558	27.295	1.419
1000	4.628	34.560	27.369	1.504
1001	4.627	34.561	27.369	1.505



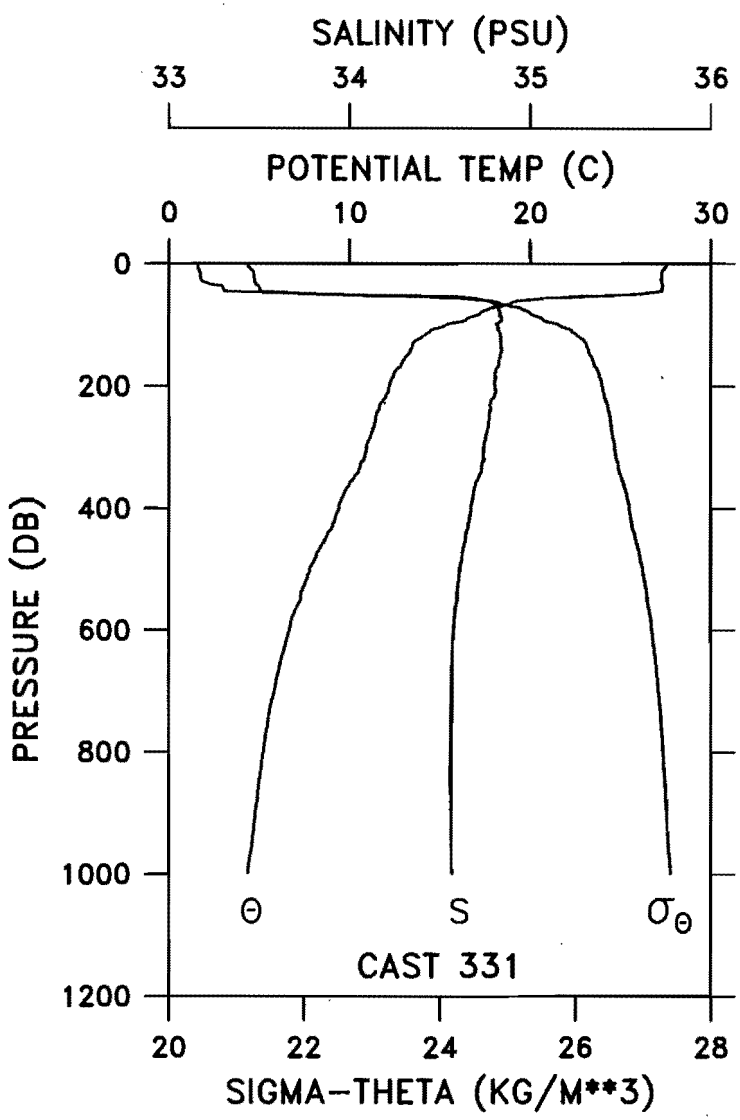
CAST GP6-98-RB-0311 DATE 09 NOV 98 TIME 0504 GMT
LAT 04 00.5N LONG 94 53.1W WEATHER 2 SEA STATE 4
BAROMETER 13 WIND DIR 175 T SPD 15 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 25.4 WET 23.0 DEPTH 3285 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.822	33.273	21.476	0.000
10	26.821	33.420	21.587	0.063
20	26.820	33.421	21.588	0.125
30	26.654	33.553	21.740	0.187
40	21.044	34.636	24.206	0.239
50	19.502	34.874	24.797	0.272
60	18.322	34.949	25.154	0.302
70	17.555	35.015	25.393	0.329
80	16.929	35.004	25.535	0.354
90	16.242	35.026	25.713	0.378
100	15.942	35.025	25.781	0.401
110	15.725	35.037	25.840	0.423
120	15.449	35.015	25.885	0.445
130	15.262	35.002	25.916	0.466
140	15.092	34.995	25.948	0.487
150	14.770	34.966	25.997	0.508
160	14.599	34.969	26.036	0.528
170	14.430	34.970	26.073	0.548
180	14.374	34.966	26.083	0.568
190	14.027	34.934	26.131	0.587
200	13.776	34.921	26.173	0.606
250	12.469	34.839	26.374	0.697
300	11.274	34.769	26.547	0.777
350	10.433	34.723	26.661	0.853
400	9.130	34.666	26.836	0.921
450	8.224	34.632	26.952	0.982
500	7.767	34.610	27.003	1.041
550	7.280	34.589	27.056	1.096
600	6.952	34.581	27.095	1.150
650	6.598	34.569	27.134	1.202
700	6.194	34.564	27.184	1.252
750	5.823	34.562	27.229	1.300
800	5.531	34.555	27.259	1.346
900	5.122	34.557	27.310	1.435
1000	4.658	34.560	27.365	1.519
1002	4.657	34.560	27.366	1.520



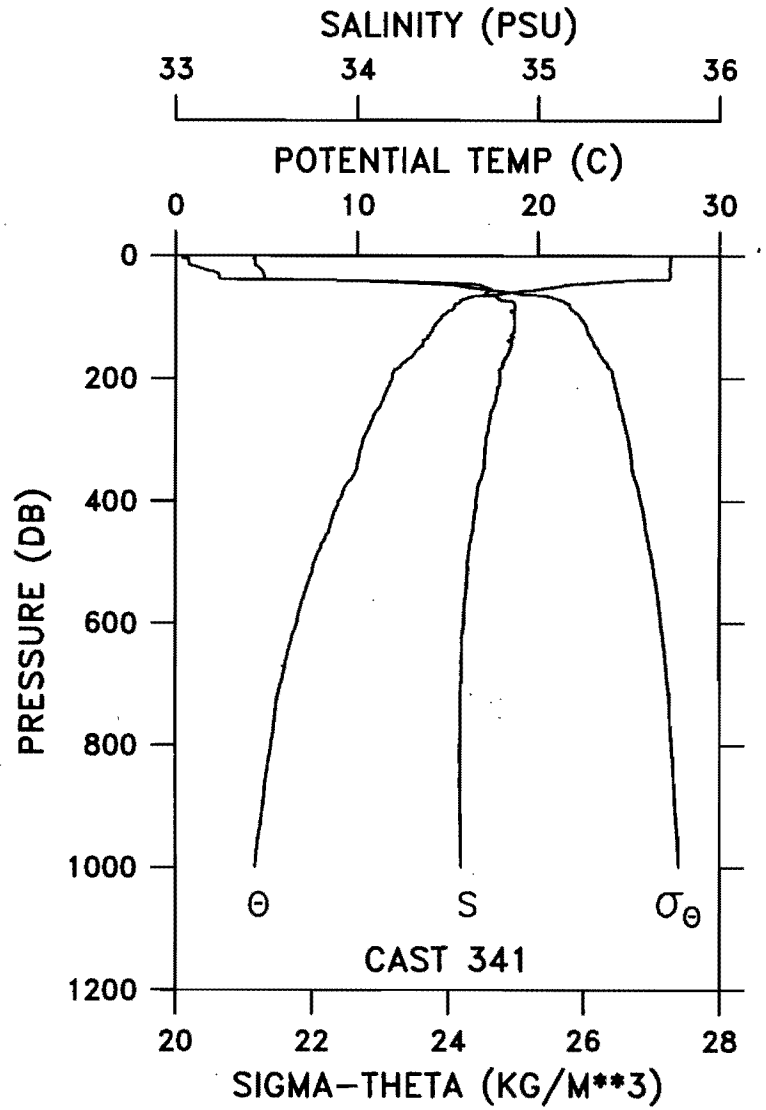
CAST GP6-98-RB-0321 DATE 09 NOV 98 TIME 1539 GMT
LAT 05 00.2N LONG 94 51.5W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 167 T SPD 12 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 28.0 WET 24.5 DEPTH 3441 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.062	33.082	21.256	0.000
10	27.057	33.179	21.330	0.065
20	27.058	33.179	21.330	0.129
30	27.046	33.182	21.336	0.194
40	27.055	33.194	21.343	0.259
50	22.735	34.394	23.552	0.320
60	19.429	34.831	24.783	0.354
70	17.660	34.815	25.214	0.384
80	16.315	34.825	25.542	0.410
90	15.723	34.873	25.714	0.434
100	15.130	34.892	25.861	0.456
110	14.541	34.921	26.012	0.477
120	14.158	34.913	26.087	0.497
130	13.977	34.912	26.124	0.516
140	13.781	34.916	26.168	0.535
150	13.557	34.898	26.201	0.553
160	13.391	34.900	26.237	0.572
170	13.221	34.883	26.258	0.590
180	13.111	34.880	26.278	0.608
190	12.843	34.850	26.309	0.626
200	12.697	34.852	26.339	0.643
250	11.792	34.791	26.467	0.727
300	10.932	34.740	26.586	0.805
350	10.038	34.702	26.713	0.878
400	9.192	34.671	26.830	0.946
450	8.472	34.641	26.920	1.008
500	7.886	34.621	26.993	1.067
550	7.398	34.604	27.051	1.123
600	6.919	34.588	27.105	1.177
650	6.507	34.572	27.149	1.228
700	6.162	34.566	27.189	1.277
750	5.769	34.557	27.231	1.325
800	5.500	34.559	27.267	1.371
900	5.013	34.559	27.324	1.459
1000	4.615	34.566	27.375	1.542
1002	4.617	34.566	27.374	1.543



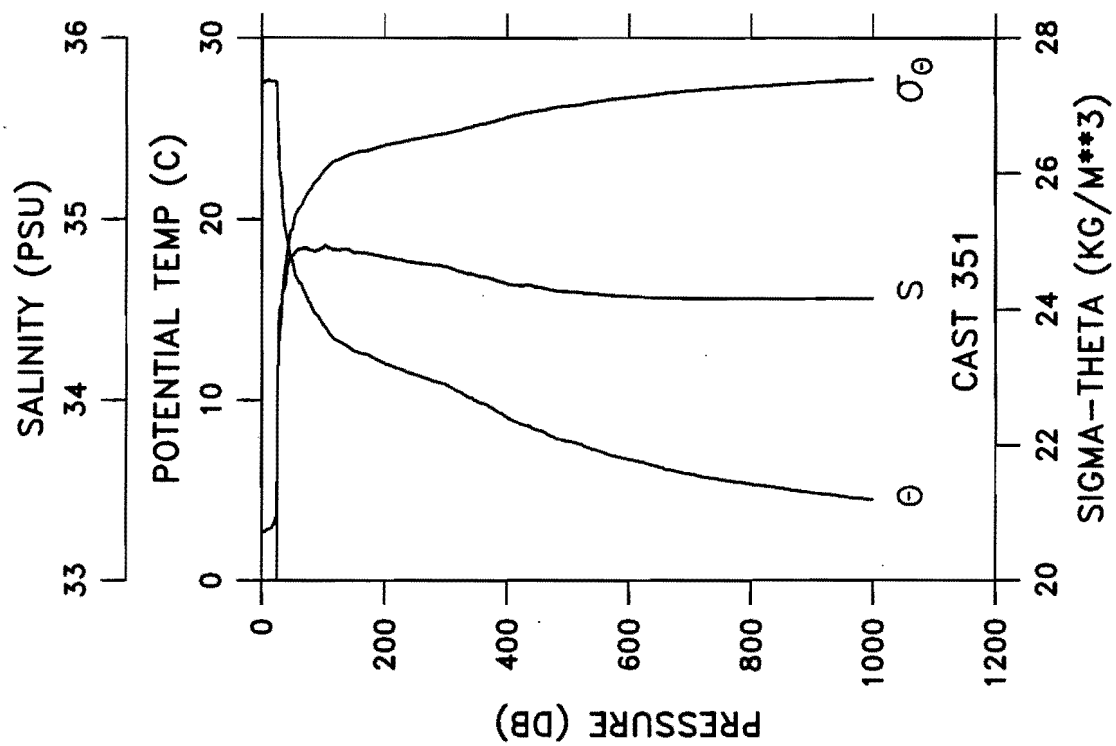
CAST GP6-98-RB-0331 DATE 09 NOV 98 TIME 2105 GMT
LAT 06 00.1N LONG 94 52.7W WEATHER 1 SEA STATE 1
BAROMETER 09 WIND DIR 180 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 28.5 WET 24.5 DEPTH 3767 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.526	33.162	21.168	0.000
10	27.386	33.166	21.216	0.066
20	27.269	33.174	21.260	0.131
30	27.275	33.194	21.272	0.197
40	27.306	33.300	21.343	0.262
50	25.645	33.924	22.333	0.324
60	19.431	34.754	24.724	0.365
70	18.204	34.823	25.087	0.395
80	17.253	34.831	25.325	0.423
90	16.485	34.843	25.516	0.449
100	15.332	34.816	25.757	0.473
110	14.488	34.829	25.952	0.494
120	14.005	34.839	26.062	0.515
130	13.511	34.838	26.164	0.534
140	13.379	34.843	26.195	0.552
150	13.177	34.834	26.229	0.571
160	12.932	34.824	26.271	0.589
170	12.677	34.815	26.315	0.607
180	12.470	34.806	26.348	0.624
190	12.301	34.804	26.380	0.641
200	12.199	34.805	26.400	0.658
250	11.471	34.773	26.513	0.739
300	10.944	34.744	26.586	0.816
350	10.245	34.714	26.687	0.890
400	9.423	34.675	26.795	0.959
450	8.679	34.642	26.889	1.023
500	7.810	34.611	26.997	1.083
550	7.303	34.598	27.060	1.139
600	6.707	34.578	27.127	1.191
650	6.220	34.570	27.185	1.241
700	5.856	34.566	27.228	1.288
750	5.508	34.563	27.269	1.334
800	5.256	34.562	27.298	1.378
900	4.796	34.563	27.352	1.462
1000	4.378	34.569	27.403	1.542
1002	4.372	34.569	27.404	1.543



CAST GP6-98-RB-0341 DATE 10 NOV 98 TIME 0235 GMT
LAT 06 59.9N LONG 94 54.8W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 190 T SPD 09 KT VISIBILITY 7
CLOUD 8 AMOUNT 7 DRY 26.8 WET 24.4 DEPTH 3735 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.322	33.040	21.142	0.000
10	27.324	33.073	21.166	0.066
20	27.271	33.134	21.229	0.132
30	27.317	33.239	21.293	0.197
40	25.161	33.921	22.479	0.261
50	21.197	34.699	24.212	0.304
60	18.402	34.711	24.952	0.338
70	15.921	34.781	25.598	0.365
80	15.352	34.870	25.795	0.388
90	15.004	34.848	25.855	0.410
100	14.624	34.868	25.953	0.431
110	14.361	34.871	26.012	0.451
120	14.138	34.867	26.056	0.471
130	13.879	34.848	26.096	0.491
140	13.622	34.845	26.147	0.510
150	13.391	34.845	26.195	0.529
160	13.123	34.833	26.240	0.547
170	12.702	34.810	26.305	0.565
180	12.395	34.804	26.361	0.583
190	11.982	34.786	26.427	0.599
200	11.916	34.789	26.442	0.616
250	11.146	34.746	26.551	0.695
300	10.320	34.709	26.670	0.769
350	9.940	34.696	26.725	0.839
400	8.961	34.654	26.854	0.906
450	8.423	34.637	26.925	0.967
500	7.637	34.608	27.020	1.026
550	7.096	34.598	27.089	1.080
600	6.664	34.586	27.139	1.132
650	6.154	34.578	27.200	1.181
700	5.755	34.568	27.243	1.228
750	5.478	34.569	27.277	1.272
800	5.252	34.566	27.302	1.316
900	4.784	34.566	27.356	1.400
1000	4.372	34.572	27.406	1.479
1002	4.367	34.573	27.407	1.480



CAST GP6-98-RB-0351 DATE 10 NOV 98 TIME 1218 GMT
LAT 08 02.3N LONG 94 57.0W WEATHER 2 SEA STATE 2
BAROMETER 11 WIND DIR 200 T SPD 03 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 25.5 WET 24.0 DEPTH 3670 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.558	32.577	20.718	0.000
10	27.692	32.688	20.759	0.070
20	27.603	32.769	20.848	0.140
30	22.324	34.517	23.762	0.198
40	18.993	34.695	24.791	0.234
50	17.638	34.799	25.208	0.263
60	16.575	34.839	25.492	0.289
70	15.937	34.842	25.641	0.313
80	15.266	34.826	25.780	0.336
90	14.671	34.828	25.912	0.358
100	14.184	34.841	26.026	0.378
110	13.701	34.838	26.125	0.398
120	13.366	34.834	26.191	0.417
130	13.185	34.836	26.229	0.435
140	12.981	34.832	26.267	0.453
150	12.736	34.812	26.301	0.471
160	12.610	34.814	26.327	0.488
170	12.551	34.811	26.336	0.505
180	12.383	34.804	26.364	0.523
190	12.206	34.798	26.393	0.539
200	12.048	34.791	26.418	0.556
250	11.413	34.759	26.513	0.637
300	10.879	34.739	26.595	0.714
350	9.987	34.690	26.713	0.786
400	9.081	34.646	26.828	0.854
450	8.365	34.626	26.925	0.916
500	7.755	34.602	26.998	0.975
550	7.207	34.588	27.066	1.030
600	6.719	34.576	27.123	1.083
650	6.292	34.568	27.174	1.133
700	5.908	34.564	27.220	1.181
750	5.602	34.560	27.255	1.227
800	5.335	34.560	27.288	1.272
900	4.864	34.564	27.345	1.357
1000	4.481	34.568	27.391	1.438
1002	4.465	34.568	27.393	1.440

CAST GP6-98-RB-0011 LAT 11 00.2N LONG 113 30.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1000.	4.367	34.561	4.289	27.406
1000.	4.368	34.559	4.289	27.406
1001.	4.366	34.550	4.287	27.406
1000.	4.366	34.558	4.288	27.406
999.	4.368	34.559	4.290	27.405

CAST GP6-98-RB-0021 LAT 07 59.1N LONG 110 11.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	27.639	33.522	27.638	21.403
26.	27.503	33.529	27.496	21.454
40.	27.481	33.553	27.472	21.478
101.	14.871	34.757	14.856	25.818
150.	12.556	34.792	12.535	26.325
200.	11.653	34.758	11.627	26.472
1001.	4.483	34.562	4.404	27.395

CAST GP6-98-RB-0031 LAT 07 00.0N LONG 110 08.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	27.456	33.314	27.455	21.305
10.	27.457	33.312	27.455	21.304
25.	27.334	33.311	27.328	21.343
61.	26.557	33.647	26.543	21.839
101.	15.361	34.713	15.345	25.676
151.	12.440	34.791	12.420	26.347
200.	11.453	34.754	11.428	26.504
1001.	4.474	34.560	4.395	27.395

CAST GP6-98-RB-0041 LAT 06 00.2N LONG 110 03.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	27.054	33.388	27.053	21.491
11.	27.061	33.389	27.059	21.489
26.	27.065	33.390	27.059	21.488
60.	23.642	34.350	23.630	23.260
101.	17.059	34.703	17.042	25.275
151.	13.123	34.794	13.103	26.215
200.	11.411	34.749	11.386	26.510
1000.	4.317	34.566	4.239	27.416

CAST GP6-98-RB-0051 LAT 05 02.7N LONG 109 59.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	27.018	33.351	27.016	21.454
26.	26.445	33.711	26.439	21.951
41.	25.871	33.861	25.862	22.222
61.	25.130	34.026	25.117	22.542
101.	17.001	34.839	16.984	25.395
152.	13.234	34.817	13.213	26.205
202.	12.181	34.780	12.154	26.392
991.	4.272	34.568	4.194	27.424

CAST GP6-98-RB-0061 LAT 04 00.1N LONG 110 00.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	26.624	33.623	26.623	21.802
10.	26.627	33.624	26.625	21.801
26.	26.605	33.625	26.599	21.810
61.	26.211	33.794	26.197	22.055
100.	14.548	34.920	14.533	26.011
151.	13.436	34.915	13.415	26.245
201.	12.780	34.878	12.753	26.349
1002.	4.407	34.565	4.328	27.407

CAST GP6-98-RB-0071 LAT 03 00.3N LONG 110 19.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1.	26.591	33.536	26.590	21.749
11.	26.597	33.538	26.595	21.747
25.	26.605	33.538	26.600	21.745
40.	26.608	33.537	26.599	21.745
61.	21.897	34.538	21.885	23.901
100.	15.147	34.973	15.132	25.922
151.	13.613	34.925	13.592	26.215
501.	7.876	34.606	7.825	26.991

CAST GP6-98-RB-0081 LAT 02 10.0N LONG 110 37.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	26.174	33.606	26.173	21.931
11.	26.181	33.605	26.179	21.929
25.	26.178	33.608	26.173	21.928
41.	20.955	34.705	20.948	24.324
61.	16.808	34.950	16.798	25.513
100.	14.687	34.988	14.672	26.035
151.	13.154	34.896	13.133	26.286
199.	12.854	34.881	12.827	26.337
501.	7.732	34.605	7.682	27.011
1001.	4.536	34.559	4.456	27.387

CAST GP6-98-RB-0091 LAT 01 02.4N LONG 109 57.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	25.023	33.783	25.023	22.417
10.	24.982	33.857	24.979	22.439
25.	21.560	34.572	21.555	23.972
41.	18.449	34.924	18.442	25.094
61.	14.979	35.007	14.969	25.984
102.	13.493	34.947	13.479	26.252
151.	12.951	34.919	12.931	26.345
201.	12.664	34.893	12.637	26.386
500.	8.093	34.627	8.042	26.975
999.	4.581	34.567	4.501	27.386

CAST GP6-98-RB-0101 LAT 00 02.6N LONG 109 57.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	22.487	34.402	22.487	23.628
9.	21.899	34.542	21.897	23.828
40.	16.417	34.888	16.410	25.565
100.	13.892	34.978	13.878	26.195
151.	13.254	34.946	13.233	26.305
201.	12.752	34.906	12.724	26.376
500.	7.949	34.618	7.898	26.989
1001.	4.452	34.559	4.372	27.395

CAST GP6-98-RB-0111 LAT 01 59.5S LONG 109 59.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	22.203	35.087	22.202	24.229
11.	22.025	35.087	22.023	24.279
26.	21.624	35.082	21.619	24.387
42.	20.701	35.074	20.693	24.628
61.	16.580	35.170	16.570	25.747
150.	13.339	34.954	13.318	26.293
200.	12.951	34.918	12.924	26.347
499.	7.983	34.627	7.931	26.991
1000.	4.430	34.564	4.351	27.402

CAST GP6-98-RB-0121 LAT 03 00.0S LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	22.911	35.016	22.911	23.974
11.	22.910	35.016	22.907	23.975
25.	22.534	35.002	22.529	24.071
61.	17.143	35.174	17.133	25.618
100.	14.701	35.047	14.686	26.077
151.	13.681	34.975	13.660	26.239
200.	12.822	34.914	12.795	26.365
502.	7.584	34.612	7.534	27.037
1000.	4.687	34.552	4.606	27.365

CAST GP6-98-RB-0131 LAT 03 59.6S LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	23.300	35.019	23.300	23.863
12.	23.303	35.022	23.301	23.861
25.	19.284	35.156	19.280	25.062
60.	15.160	35.083	15.150	26.003
150.	13.471	34.960	13.450	26.270
199.	12.911	34.921	12.884	26.355
1000.	4.470	34.552	4.391	27.388

CAST GP6-98-RB-0141 LAT 04 58.6S LONG 109 59.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	23.572	35.056	23.571	23.812
10.	23.197	35.062	23.195	23.925
25.	17.808	35.158	17.804	25.437
40.	16.242	35.138	16.236	25.802
61.	14.959	35.072	14.950	26.040
100.	14.200	35.011	14.185	26.158
150.	13.584	34.968	13.563	26.253
200.	12.911	34.916	12.884	26.353
1000.	4.459	34.544	4.380	27.384

CAST GP6-98-RB-0151 LAT 06 00.0S LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1.	23.805	35.049	23.805	23.738
11.	23.811	35.049	23.809	23.737
41.	20.795	35.186	20.788	24.681
61.	17.392	35.226	17.382	25.598
100.	13.739	35.009	13.725	26.241
151.	12.781	34.924	12.760	26.382
201.	12.208	34.879	12.181	26.461
1001.	4.509	34.546	4.430	27.379

CAST GP6-98-RB-0161 LAT 06 59.7S LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	24.057	35.083	24.057	23.690
10.	24.059	35.083	24.057	23.689
25.	24.064	35.084	24.059	23.689
41.	23.742	35.084	23.734	23.784
60.	20.111	35.402	20.100	25.031
100.	15.492	35.100	15.477	25.949
150.	12.819	34.925	12.799	26.377
201.	11.988	34.876	11.962	26.499
501.	7.912	34.623	7.861	26.999
1001.	4.488	34.543	4.409	27.379

CAST GP6-98-RB-0171 LAT 08 02.1S LONG 109 56.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	24.860	35.128	24.859	23.482
11.	24.868	35.128	24.865	23.481
25.	24.871	35.133	24.865	23.481
39.	24.895	35.191	24.886	23.513
61.	23.810	35.858	23.797	24.355
101.	15.973	35.145	15.957	25.868
150.	13.167	34.945	13.147	26.325
201.	12.164	34.886	12.137	26.475
502.	8.006	34.625	7.955	26.986
1001.	4.350	34.544	4.272	27.395

CAST GP6-98-RB-0181 LAT 07 48.2S LONG 95 09.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	23.596	35.590	23.596	24.209
10.	23.600	35.589	23.598	24.208
24.	23.516	35.587	23.511	24.232
41.	23.421	35.596	23.413	24.267
61.	23.113	35.574	23.101	24.332
150.	13.696	34.972	13.675	26.235
201.	12.477	34.894	12.450	26.419
500.	7.641	34.605	7.591	27.023
1001.	4.315	34.557	4.237	27.402

CAST GP6-98-RB-0191 LAT 06 00.0S LONG 95 04.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	23.776	35.277	23.775	23.920
10.	23.777	35.279	23.775	23.920
25.	23.774	35.289	23.769	23.929
41.	23.743	35.312	23.734	23.954
60.	19.160	35.243	19.149	25.165
103.	15.091	35.067	15.076	26.007
150.	13.026	34.943	13.005	26.347
200.	12.333	34.896	12.306	26.450

CAST GP6-98-RB-0201 LAT 05 00.8S LONG 95 03.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	23.673	35.059	23.672	23.784
11.	23.630	35.059	23.628	23.798
61.	22.691	35.226	22.679	24.194
100.	15.164	35.088	15.149	26.009
152.	13.117	34.950	13.096	26.334
202.	12.346	34.897	12.319	26.446
1002.	4.547	34.545	4.467	27.372

CAST GP6-98-RB-0211 LAT 04 00.5S LONG 95 12.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	22.575	34.684	22.574	23.817
25.	22.103	34.771	22.098	24.019
41.	19.789	35.135	19.782	24.919
100.	14.601	35.037	14.587	26.092
150.	13.561	34.983	13.540	26.271
201.	12.807	34.931	12.780	26.383
1002.	4.663	34.554	4.582	27.368

CAST GP6-98-RB-0221 LAT 03 00.0S LONG 95 20.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	21.576	34.796	21.576	24.182
11.	20.424	34.802	20.422	24.473
24.	17.586	35.132	17.582	25.477
40.	16.465	35.130	16.458	25.750
60.	15.456	35.085	15.447	25.942
151.	13.864	34.991	13.843	26.213
200.	12.946	34.922	12.918	26.350
499.	7.819	34.616	7.769	27.007
1001.	4.640	34.561	4.560	27.376

CAST GP6-98-RB-0231 LAT 01 58.8S LONG 95 28.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
301.	11.187	34.809	11.150	26.601
399.	9.177	34.688	9.133	26.853
501.	7.707	34.614	7.656	27.021
600.	6.934	34.582	6.877	27.107
799.	5.310	34.553	5.243	27.292
999.	4.455	34.567	4.376	27.402
1501.	2.999	34.612	2.891	27.585
2001.	2.315	34.645	2.174	27.674
2501.	1.874	34.660	1.696	27.726
3002.	1.749	34.675	1.527	27.749

CAST GP6-98-RB-0232 LAT 01 58.8S LONG 95 28.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	21.134	34.945	21.134	24.418
9.	21.080	34.952	21.078	24.436
41.	15.208	35.076	15.202	25.988
60.	14.869	35.050	14.860	26.044
100.	14.266	35.008	14.251	26.142
200.	12.921	34.920	12.893	26.353

CAST GP6-98-RB-0241 LAT 01 30.0S LONG 95 00.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	21.043	35.026	21.042	24.466
10.	20.687	35.041	20.685	24.546
26.	16.208	35.092	16.204	25.789
42.	15.149	35.074	15.143	25.993
61.	14.505	35.027	14.496	26.102
99.	13.859	34.980	13.845	26.206
151.	13.467	34.957	13.446	26.270
201.	13.272	34.944	13.244	26.300
1001.	4.516	34.560	4.437	27.388

CAST GP6-98-RB-0251 LAT 01 00.0S LONG 95 00.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	21.587	34.619	21.587	24.045
10.	19.969	34.766	19.967	24.511
25.	17.178	35.030	17.174	25.452
40.	16.127	35.070	16.121	25.768
60.	14.623	35.050	14.614	26.097
152.	13.454	34.955	13.433	26.271
201.	13.071	34.927	13.043	26.328
501.	8.658	34.659	8.604	26.913
1000.	4.530	34.562	4.450	27.390

CAST GP6-98-RB-0261 LAT 00 01.0S LONG 94 55.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
301.	11.391	34.802	11.353	26.560
400.	9.499	34.706	9.454	26.814
500.	8.169	34.630	8.117	26.966
601.	7.174	34.588	7.115	27.078
800.	5.463	34.550	5.395	27.271
1000.	4.442	34.550	4.363	27.400
1500.	2.840	34.612	2.734	27.599
2000.	2.239	34.644	2.098	27.678
2499.	1.863	34.665	1.685	27.727
3001.	1.744	34.675	1.522	27.748

CAST GP6-98-RB-0262 LAT 00 01.0S LONG 94 55.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	22.118	34.295	22.117	23.644
11.	20.971	34.369	20.969	24.080
40.	15.535	35.081	15.529	25.920
61.	14.714	35.060	14.705	26.086
101.	13.960	34.993	13.945	26.193
150.	13.701	34.972	13.679	26.233
199.	13.202	34.926	13.174	26.302

CAST GP6-98-RB-0271 LAT 00 30.0N LONG 95 01.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	25.047	33.997	25.046	22.570
26.	17.527	34.811	17.523	25.233
41.	15.116	34.923	15.110	25.888
61.	14.878	34.943	14.869	25.957
101.	14.056	34.971	14.041	26.157
151.	13.738	34.969	13.716	26.223
200.	12.775	34.898	12.748	26.365
501.	8.020	34.623	7.968	26.983
1000.	4.460	34.564	4.381	27.398

CAST GP6-98-RB-0281 LAT 01 00.0N LONG 95 14.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	25.183	34.025	25.183	22.551
10.	25.200	34.025	25.198	22.545
61.	14.930	35.025	14.921	26.008
101.	14.372	34.999	14.357	26.114
151.	13.451	34.943	13.430	26.262
201.	12.596	34.885	12.569	26.390
500.	7.982	34.623	7.930	26.987
1000.	4.489	34.570	4.410	27.399

CAST GP6-98-RB-0291 LAT 01 59.2N LONG 95 00.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
301.	11.218	34.103	11.180	26.573
401.	9.371	34.693	9.326	26.825
500.	8.182	34.623	8.130	26.960
601.	7.377	34.596	7.318	27.056
800.	6.079	34.569	6.007	27.212
1001.	4.579	34.566	4.499	27.387
1500.	2.883	34.613	2.776	27.596
2000.	2.162	34.646	2.023	27.686
3001.	1.815	34.670	1.591	27.740

CAST GP6-98-RB-0292 LAT 01 59.7N LONG 95 00.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	26.388	33.510	26.387	21.791
11.	26.389	33.510	26.386	21.790
40.	17.196	35.033	17.189	25.495
60.	15.622	35.046	15.613	25.872
100.	14.927	35.025	14.911	26.012
150.	14.098	34.979	14.076	26.157
201.	13.404	34.941	13.375	26.272

CAST GP6-98-RB-0301 LAT 02 59.6N LONG 94 56.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	26.402	33.506	26.402	21.783
10.	26.413	33.505	26.410	21.781
25.	26.328	33.561	26.322	21.800
40.	20.499	34.940	20.492	24.578
61.	16.392	35.033	16.382	25.687
100.	15.480	35.035	15.465	25.897
150.	14.566	35.013	14.543	26.062
200.	13.375	34.907	13.347	26.250
501.	7.961	34.612	7.910	26.982
1001.	4.707	34.563	4.626	27.370

CAST GP6-98-RB-0311 LAT 04 00.5N LONG 94 53.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	26.796	33.423	26.796	21.597
10.	26.802	33.423	26.799	21.595
25.	26.786	33.453	26.781	21.615
40.	23.943	34.221	23.935	23.046
61.	18.610	34.953	18.599	25.087
99.	16.060	35.024	16.044	25.757
150.	14.672	34.959	14.650	26.017
201.	13.748	34.921	13.719	26.185
500.	7.688	34.607	7.638	27.019
1001.	4.740	34.561	4.658	27.366

CAST GP6-98-RB-0321 LAT 05 00.2N LONG 94 51.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	27.091	33.174	27.090	21.317
10.	27.065	33.174	27.062	21.325
26.	27.035	33.174	27.030	21.334
41.	27.082	33.461	27.073	21.371
61.	19.117	34.844	19.106	24.879
150.	13.566	34.898	13.545	26.203
200.	12.729	34.852	12.702	26.339
499.	7.888	34.621	7.837	27.001
1001.	4.700	34.566	4.619	27.374

CAST GP6-98-RB-0331 LAT 06 00.1N LONG 94 52.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1.	27.520	33.155	27.519	21.165
11.	27.415	33.155	27.412	21.198
26.	27.273	33.183	27.267	21.259
40.	27.311	33.318	27.302	21.340
61.	19.115	34.794	19.105	24.839
151.	13.090	34.827	13.069	26.249
201.	12.208	34.805	12.181	26.404
501.	7.837	34.611	7.786	27.000
1001.	4.454	34.569	4.375	27.404

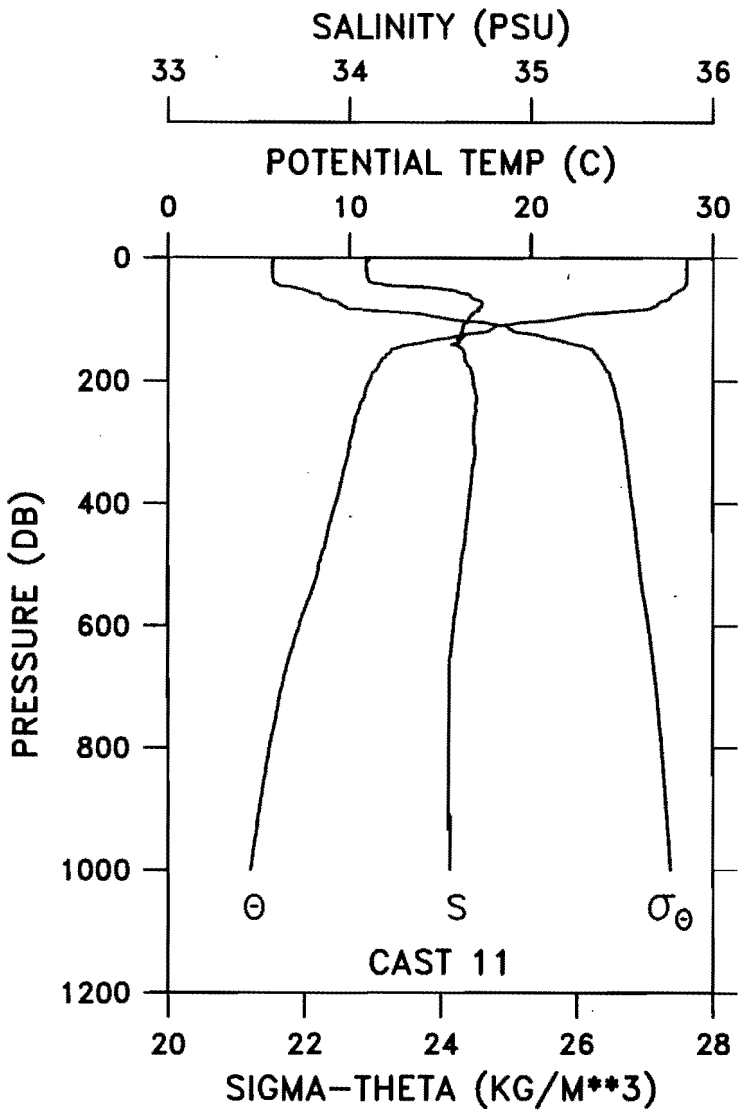
CAST GP6-98-RB-0341 LAT 06 59.9N LONG 94 54.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1.	27.319	33.081	27.318	21.175
10.	27.323	33.087	27.321	21.174
25.	27.293	33.204	27.287	21.280
41.	23.414	34.417	23.406	23.368
61.	16.428	34.781	16.418	25.482
100.	14.470	34.868	14.455	25.991
151.	13.291	34.837	13.270	26.216
200.	11.953	34.789	11.927	26.440
500.	7.655	34.613	7.605	27.026
1001.	4.448	34.572	4.368	27.407

CAST GP6-98-RB-0351 LAT 08 02.3N LONG 94 57.0W

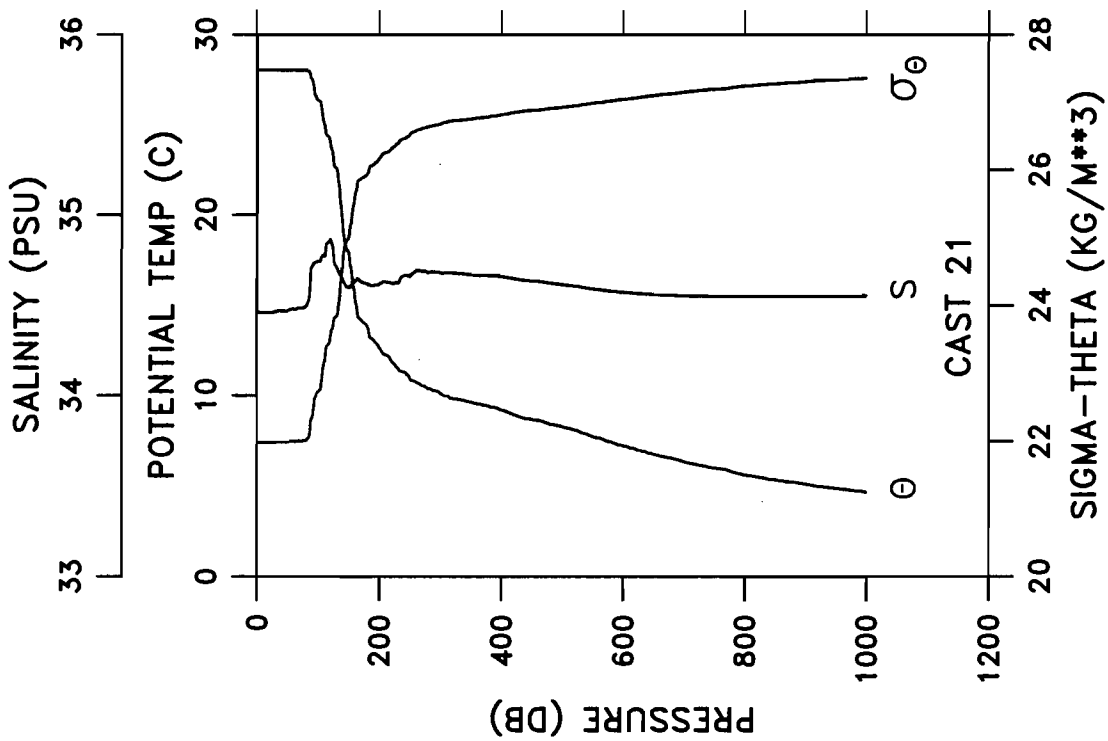
PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	27.418	32.527	27.417	20.726
10.	27.521	32.632	27.518	20.741
25.	26.854	33.143	26.848	21.397
40.	18.517	34.774	18.510	24.966
60.	16.385	34.834	16.375	25.534
101.	14.149	34.843	14.134	26.037
149.	12.740	34.812	12.719	26.305
200.	12.053	34.790	12.027	26.423
500.	7.731	34.600	7.681	27.008
1001.	4.553	34.569	4.473	27.392

GP7-98-KA
October 19–November 13, 1998
CTD and Hydrographic Data Summary



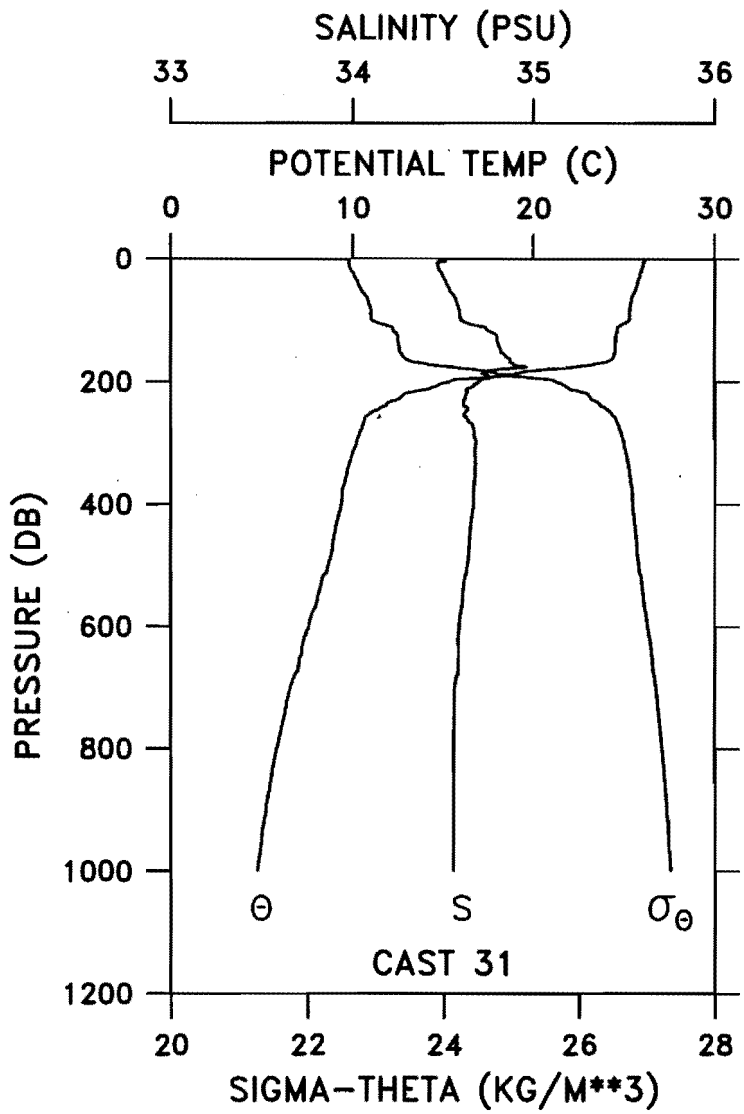
CAST GP7-98-KA-0011 DATE 24 OCT 98 TIME 0423 GMT
LAT 07 59.7N LONG 154 58.8W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 155 T SPD 14 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 27.5 WET 24.0 DEPTH 5222 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.564	34.105	21.539	0.000
10	28.560	34.089	21.529	0.063
20	28.568	34.091	21.527	0.125
30	28.566	34.096	21.531	0.188
40	28.554	34.116	21.551	0.251
50	28.340	34.487	21.900	0.312
60	27.715	34.662	22.235	0.370
70	27.194	34.726	22.452	0.425
80	26.699	34.719	22.604	0.479
90	23.455	34.677	23.558	0.528
100	21.315	34.653	24.145	0.568
110	18.234	34.626	24.929	0.602
120	17.532	34.618	25.095	0.632
130	15.526	34.621	25.564	0.658
140	13.502	34.571	25.959	0.681
150	12.282	34.625	26.244	0.700
160	11.967	34.634	26.312	0.718
170	11.663	34.645	26.377	0.735
180	11.511	34.668	26.423	0.752
190	11.197	34.676	26.488	0.768
200	11.072	34.681	26.515	0.783
250	10.455	34.696	26.636	0.858
300	10.001	34.683	26.705	0.930
350	9.627	34.675	26.761	0.998
400	9.221	34.656	26.814	1.065
450	8.771	34.638	26.872	1.129
500	8.287	34.613	26.927	1.191
550	7.850	34.595	26.978	1.251
600	7.203	34.571	27.053	1.308
650	6.669	34.554	27.113	1.361
700	6.251	34.548	27.163	1.412
750	5.919	34.546	27.204	1.461
800	5.547	34.545	27.250	1.508
900	5.024	34.547	27.314	1.597
1000	4.523	34.555	27.376	1.680
1003	4.513	34.554	27.377	1.683



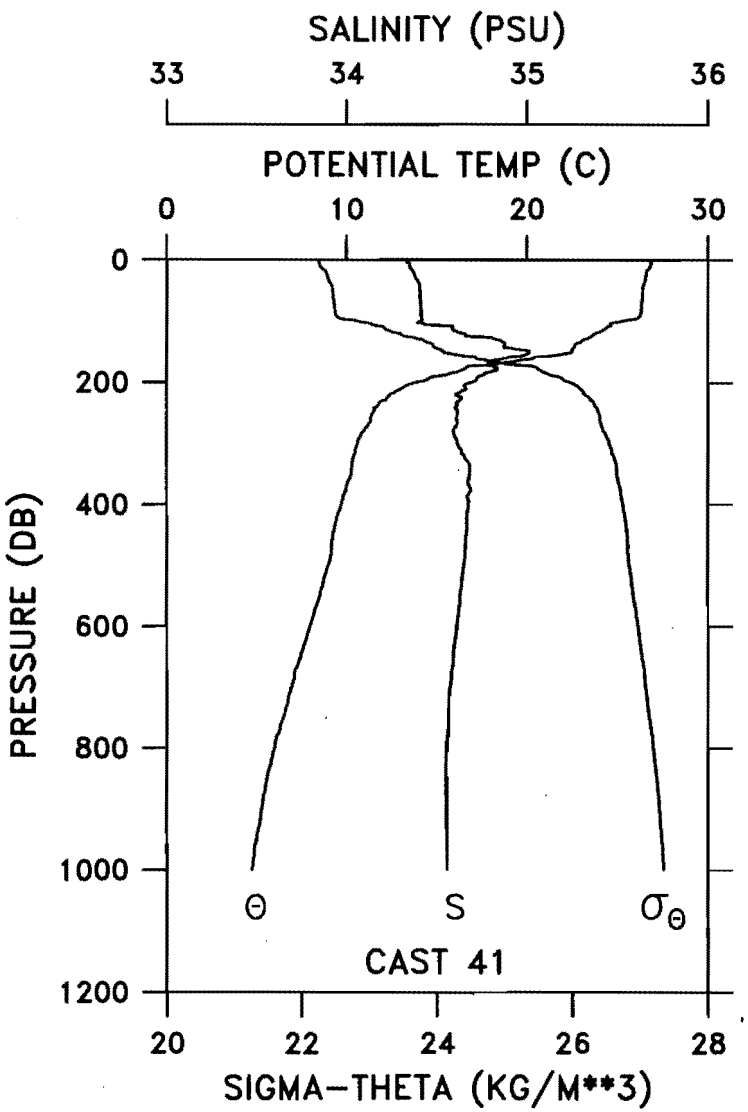
CAST GP7-98-KA-0021 DATE 24 OCT 98 TIME 1302 GMT
LAT 07 00.3N LONG 154 58.2W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 105 T SPD 17 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 27.5 WET 23.6 DEPTH 4965 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.035	34.464	21.983	0.000
10	28.034	34.461	21.980	0.058
20	28.036	34.461	21.980	0.117
30	28.029	34.469	21.988	0.175
40	28.029	34.470	21.989	0.233
50	28.029	34.471	21.990	0.292
60	28.026	34.482	21.999	0.350
70	28.024	34.486	22.003	0.409
80	28.017	34.496	22.012	0.467
90	27.501	34.712	22.342	0.524
100	26.366	34.743	22.727	0.577
110	25.016	34.772	23.166	0.627
120	23.940	34.865	23.558	0.673
130	22.558	34.711	23.842	0.715
140	19.467	34.640	24.627	0.753
150	17.885	34.598	24.993	0.784
160	15.432	34.631	25.593	0.811
170	14.180	34.630	25.864	0.834
180	13.838	34.620	25.928	0.855
190	13.106	34.610	26.070	0.875
200	12.646	34.620	26.169	0.895
250	10.954	34.657	26.517	0.981
300	10.135	34.679	26.679	1.055
350	9.645	34.669	26.754	1.124
400	9.210	34.658	26.817	1.191
450	8.697	34.635	26.880	1.254
500	8.307	34.616	26.926	1.316
550	7.754	34.592	26.990	1.376
600	7.252	34.573	27.048	1.432
650	6.788	34.561	27.103	1.486
700	6.349	34.555	27.156	1.538
750	6.014	34.550	27.196	1.587
800	5.623	34.550	27.244	1.635
900	5.110	34.550	27.306	1.725
1000	4.682	34.554	27.358	1.809
1004	4.672	34.554	27.359	1.813



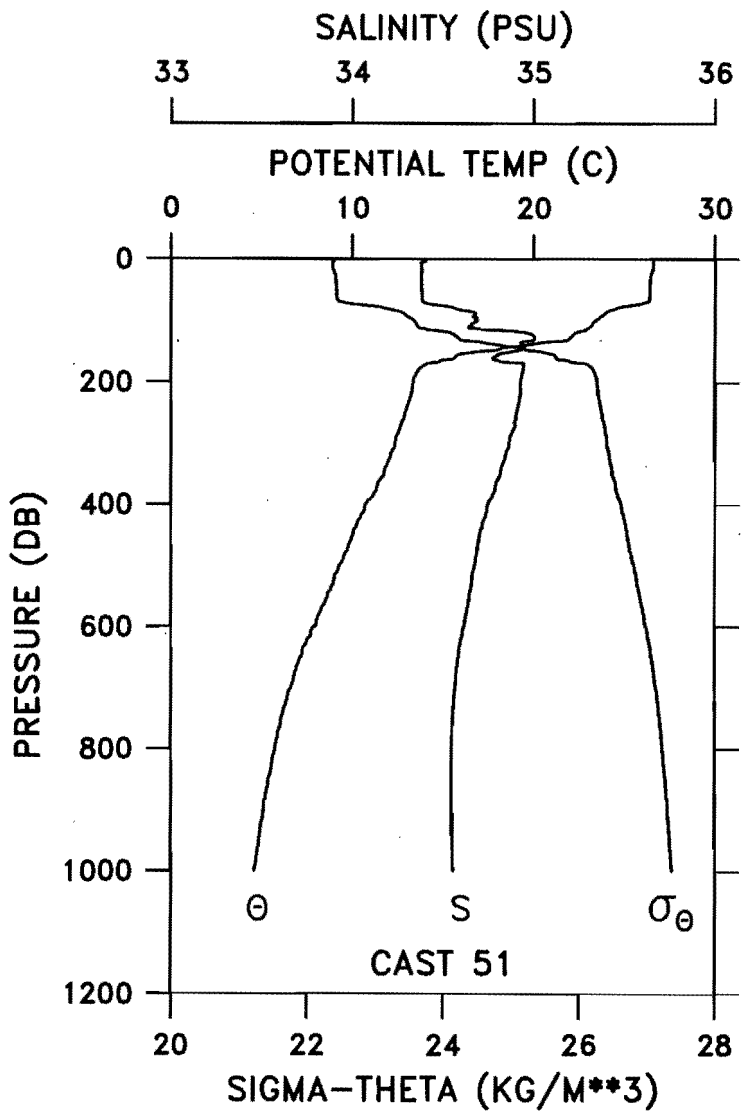
CAST GP7-98-KA-0031 DATE 24 OCT 98 TIME 2116 GMT
LAT 06 00.6N LONG 154 57.3W WEATHER 1 SEA STATE 4
BAROMETER 14 WIND DIR 083 T SPD 08 KT VISIBILITY 7
CLOUD 8 AMOUNT 1 DRY 26.8 WET 24.2 DEPTH 4834 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.168	34.511	22.614	0.000
10	26.056	34.467	22.616	0.052
20	25.973	34.481	22.652	0.104
30	25.851	34.501	22.705	0.156
40	25.749	34.517	22.749	0.207
50	25.640	34.534	22.795	0.258
60	25.478	34.558	22.863	0.309
70	25.397	34.573	22.899	0.359
80	25.326	34.585	22.930	0.408
90	25.322	34.590	22.936	0.458
100	25.280	34.600	22.956	0.508
110	24.683	34.713	23.222	0.556
120	24.590	34.778	23.299	0.602
130	24.536	34.795	23.329	0.649
140	24.522	34.805	23.340	0.694
150	24.508	34.818	23.354	0.740
160	24.405	34.853	23.412	0.786
170	23.483	34.887	23.709	0.830
180	20.526	34.795	24.467	0.870
190	18.457	34.736	24.957	0.902
200	15.302	34.694	25.670	0.929
250	11.027	34.619	26.474	1.025
300	10.200	34.680	26.668	1.100
350	9.680	34.674	26.752	1.170
400	9.365	34.664	26.797	1.237
450	8.967	34.645	26.846	1.302
500	8.638	34.630	26.886	1.366
550	8.077	34.605	26.952	1.427
600	7.581	34.586	27.010	1.486
650	7.072	34.583	27.080	1.541
700	6.559	34.561	27.133	1.594
750	6.183	34.556	27.179	1.645
800	5.785	34.553	27.226	1.693
900	5.222	34.552	27.294	1.784
1000	4.747	34.555	27.352	1.870
1003	4.731	34.555	27.354	1.872



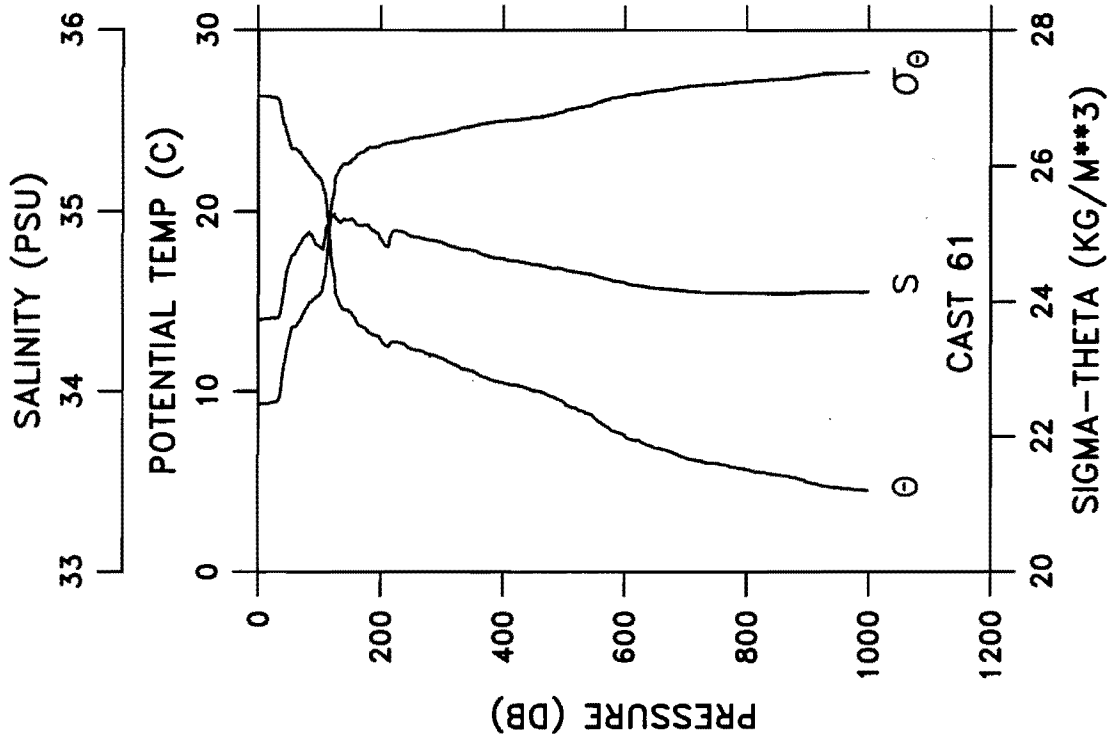
CAST GP7-98-KA-0041 DATE 25 OCT 98 TIME 0743 GMT
LAT 04 59.4N LONG 154 58.2W WEATHER 1 SEA STATE 4
BAROMETER 15 WIND DIR 051 T SPD 04 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 26.5 WET 24.2 DEPTH 4571 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.873	34.338	22.261	0.000
10	26.844	34.351	22.281	0.056
20	26.613	34.371	22.369	0.111
30	26.566	34.385	22.394	0.165
40	26.457	34.405	22.444	0.219
50	26.395	34.408	22.465	0.273
60	26.376	34.409	22.472	0.327
70	26.347	34.412	22.483	0.381
80	26.324	34.414	22.492	0.435
90	26.255	34.414	22.514	0.489
100	25.191	34.415	22.843	0.541
110	24.382	34.586	23.216	0.590
120	23.748	34.653	23.455	0.636
130	23.083	34.833	23.785	0.680
140	22.633	34.874	23.945	0.720
150	22.486	35.013	24.092	0.760
160	20.379	34.884	24.574	0.796
170	18.238	34.781	25.046	0.829
180	16.341	34.826	25.537	0.855
190	14.930	34.732	25.782	0.879
200	13.819	34.685	25.982	0.901
250	11.447	34.615	26.394	0.993
300	10.603	34.613	26.546	1.074
350	10.279	34.681	26.656	1.148
400	9.713	34.674	26.747	1.219
450	9.240	34.662	26.815	1.286
500	8.991	34.649	26.845	1.352
550	8.539	34.627	26.899	1.416
600	7.971	34.608	26.971	1.477
650	7.469	34.591	27.030	1.535
700	6.975	34.573	27.086	1.590
750	6.502	34.563	27.143	1.642
800	5.998	34.554	27.201	1.692
900	5.265	34.552	27.289	1.785
1000	4.755	34.557	27.353	1.871
1005	4.752	34.557	27.353	1.875



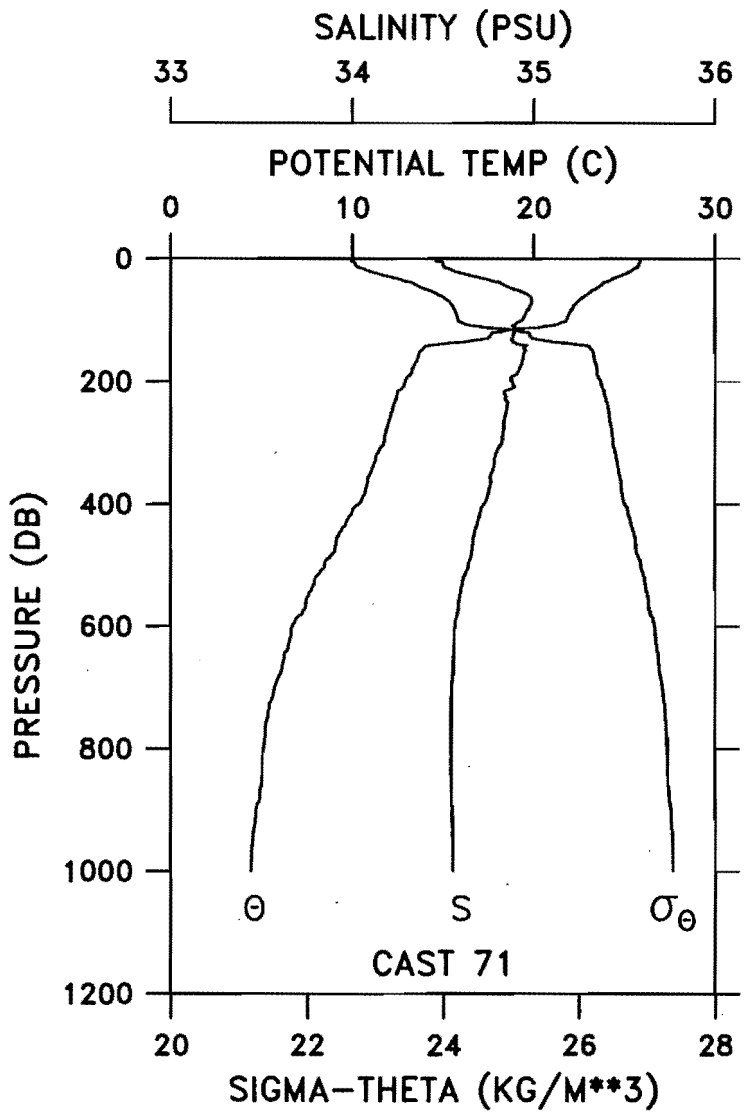
CAST GP7-98-KA-0051 DATE 25 OCT 98 TIME 1738 GMT
LAT 04 00.8N LONG 155 00.3W WEATHER 1 SEA STATE 4
BAROMETER 14 WIND DIR 190 T SPD 01 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 25.9 WET 24.6 DEPTH 4679 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.605	34.407	22.398	0.000
10	26.599	34.381	22.381	0.054
20	26.545	34.384	22.400	0.109
30	26.442	34.383	22.431	0.163
40	26.429	34.383	22.436	0.217
50	26.421	34.384	22.439	0.271
60	26.409	34.385	22.443	0.326
70	26.198	34.393	22.516	0.380
80	24.553	34.564	23.148	0.430
90	23.866	34.673	23.435	0.476
100	23.421	34.690	23.578	0.520
110	23.111	34.640	23.630	0.563
120	22.282	34.965	24.114	0.604
130	21.928	35.004	24.243	0.642
140	19.464	34.940	24.857	0.677
150	17.130	34.886	25.397	0.705
160	15.641	34.780	25.661	0.730
170	14.163	34.946	26.112	0.752
180	13.657	34.941	26.214	0.771
190	13.485	34.933	26.243	0.789
200	13.347	34.926	26.266	0.807
250	12.912	34.905	26.338	0.896
300	12.367	34.865	26.414	0.982
350	11.755	34.815	26.493	1.065
400	10.738	34.747	26.626	1.143
450	10.042	34.702	26.713	1.216
500	9.293	34.673	26.815	1.285
550	8.650	34.646	26.896	1.350
600	7.908	34.617	26.987	1.411
650	7.142	34.586	27.073	1.467
700	6.615	34.567	27.131	1.520
750	6.076	34.555	27.191	1.570
800	5.746	34.549	27.229	1.618
900	5.098	34.547	27.305	1.708
1000	4.595	34.556	27.369	1.793
1003	4.591	34.556	27.369	1.795



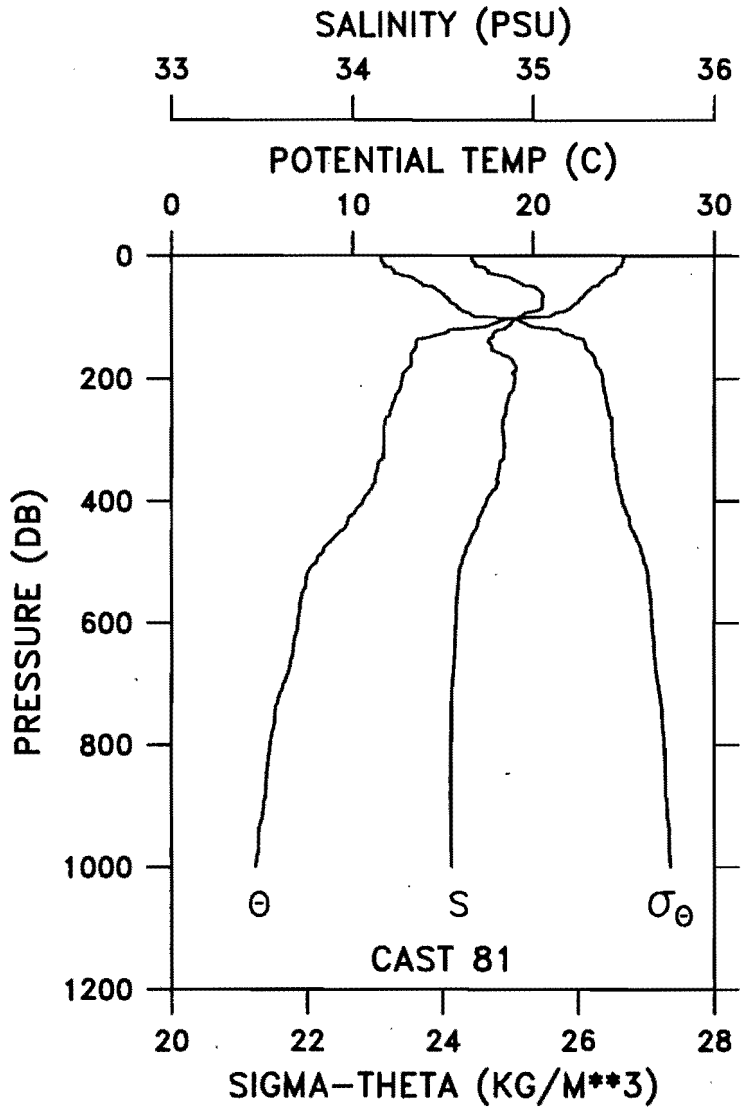
CAST GP7-98-KA-0061 DATE 26 OCT 98 TIME 0535 GMT
LAT 03 00.8N LONG 155 02.5W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 124 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 24.5 WET 23.5 DEPTH 4771 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.340	34.400	22.476	0.000
10	26.342	34.406	22.481	0.054
20	26.293	34.410	22.499	0.107
30	26.231	34.411	22.519	0.160
40	25.090	34.522	22.955	0.212
50	23.960	34.709	23.435	0.259
60	23.436	34.767	23.632	0.302
70	23.158	34.824	23.756	0.345
80	22.693	34.872	23.926	0.385
90	22.215	34.847	24.043	0.425
100	21.860	34.804	24.110	0.464
110	20.790	34.900	24.476	0.501
120	17.150	34.974	25.460	0.531
130	15.160	34.950	25.899	0.554
140	14.572	34.957	26.033	0.575
150	14.424	34.956	26.064	0.595
160	13.911	34.929	26.152	0.614
170	13.622	34.922	26.206	0.633
180	13.319	34.920	26.267	0.651
190	13.149	34.887	26.276	0.669
200	12.870	34.847	26.301	0.687
250	12.377	34.862	26.410	0.773
300	11.860	34.827	26.482	0.855
350	11.143	34.785	26.583	0.934
400	10.492	34.738	26.662	1.008
450	10.046	34.706	26.715	1.081
500	9.390	34.680	26.804	1.150
550	8.540	34.647	26.915	1.215
600	7.546	34.606	27.032	1.273
650	6.846	34.574	27.105	1.328
700	6.303	34.561	27.167	1.379
750	6.005	34.551	27.197	1.428
800	5.659	34.549	27.239	1.476
900	4.956	34.551	27.325	1.566
1000	4.507	34.555	27.378	1.647
1005	4.495	34.556	27.380	1.651



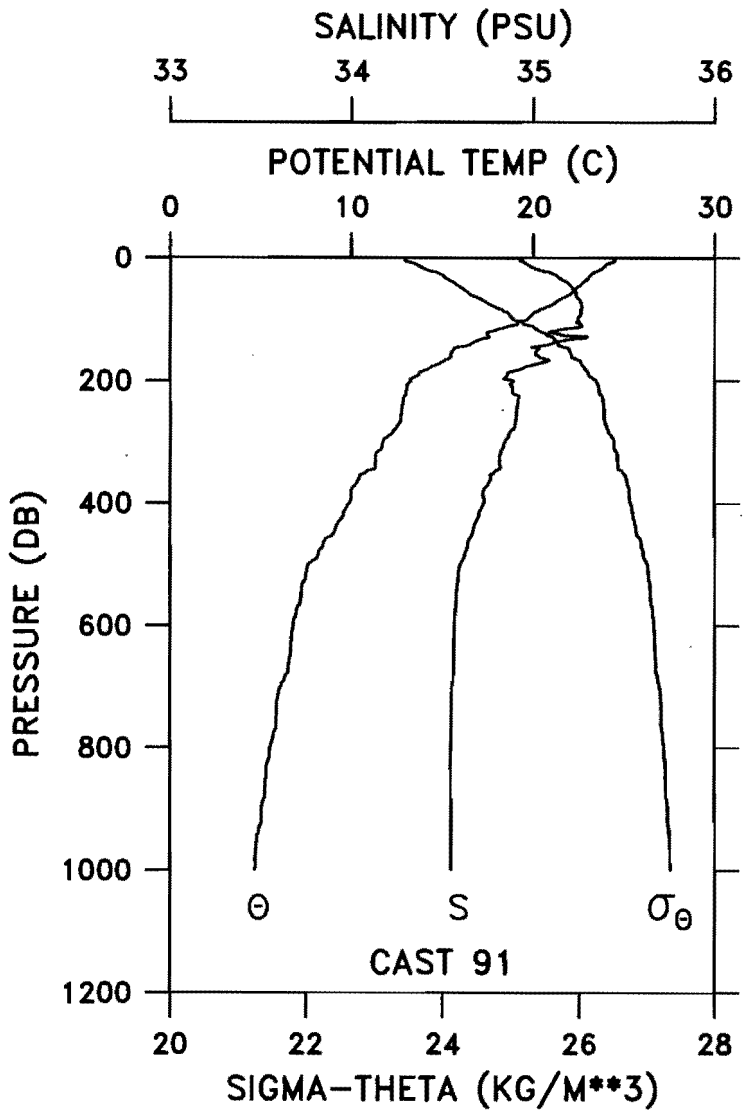
CAST GP7-98-KA-0071 DATE 26 OCT 98 TIME 2256 GMT
LAT 02 01.7N LONG 155 01.4W WEATHER 0 SEA STATE 4
BAROMETER 11 WIND DIR 147 T SPD 18 KT VISIBILITY 7
CLOUD 0 AMOUNT 0 DRY 25.6 WET 22.4 DEPTH 4773 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.915	34.461	22.655	0.000
10	25.817	34.500	22.715	0.052
20	25.349	34.563	22.906	0.102
30	24.573	34.693	23.240	0.150
40	23.835	34.820	23.556	0.195
50	23.342	34.896	23.757	0.238
60	22.858	34.976	23.958	0.278
70	22.421	34.990	24.093	0.317
80	22.148	34.975	24.159	0.355
90	21.950	34.954	24.198	0.393
100	21.797	34.935	24.227	0.430
110	20.529	34.886	24.536	0.467
120	17.809	34.889	25.235	0.497
130	17.378	34.877	25.330	0.525
140	14.505	34.933	26.029	0.549
150	13.773	34.955	26.200	0.567
160	13.612	34.942	26.224	0.586
170	13.442	34.933	26.252	0.604
180	13.289	34.919	26.273	0.622
190	13.160	34.892	26.277	0.640
200	12.885	34.882	26.325	0.658
250	12.151	34.848	26.443	0.742
300	11.735	34.825	26.504	0.823
350	10.968	34.765	26.599	0.900
400	10.336	34.728	26.682	0.975
450	9.266	34.672	26.818	1.043
500	8.465	34.640	26.920	1.107
550	7.575	34.594	27.018	1.166
600	6.669	34.566	27.122	1.220
650	6.235	34.558	27.173	1.271
700	5.712	34.549	27.232	1.319
750	5.324	34.544	27.276	1.364
800	5.094	34.545	27.304	1.407
900	4.675	34.550	27.356	1.492
1000	4.392	34.556	27.391	1.572
1004	4.378	34.556	27.393	1.575



CAST GP7-98-KA-0081 DATE 27 OCT 98 TIME 1355 GMT
LAT 01 00.6N LONG 155 05.5W WEATHER 0 SEA STATE 3
BAROMETER 09 WIND DIR 130 T SPD 17 KT VISIBILITY 7
CLOUD 0 AMOUNT 0 DRY 24.0 WET 21.5 DEPTH 4736 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.990	34.660	23.089	0.000
10	24.951	34.672	23.110	0.048
20	24.658	34.734	23.245	0.095
30	24.417	34.784	23.356	0.141
40	23.864	34.898	23.606	0.185
50	23.306	35.007	23.852	0.227
60	22.963	35.048	23.982	0.267
70	22.591	35.052	24.091	0.306
80	22.235	35.051	24.192	0.344
90	21.768	35.013	24.294	0.381
100	19.835	34.916	24.742	0.416
110	17.852	34.877	25.215	0.445
120	15.568	34.825	25.712	0.472
130	14.481	34.782	25.918	0.494
140	13.540	34.755	26.094	0.514
150	13.507	34.776	26.117	0.534
160	13.244	34.826	26.209	0.553
170	13.262	34.886	26.252	0.571
180	13.209	34.906	26.278	0.589
190	12.842	34.888	26.338	0.606
200	12.756	34.899	26.364	0.623
250	12.149	34.851	26.445	0.707
300	11.771	34.838	26.508	0.788
350	11.384	34.812	26.560	0.867
400	10.571	34.743	26.652	0.943
450	9.305	34.676	26.815	1.013
500	7.994	34.607	26.967	1.074
550	7.228	34.582	27.058	1.130
600	6.974	34.574	27.087	1.184
650	6.680	34.567	27.121	1.236
700	6.176	34.555	27.179	1.287
750	5.711	34.548	27.232	1.335
800	5.437	34.545	27.263	1.381
900	5.090	34.545	27.304	1.469
1000	4.651	34.551	27.359	1.554
1007	4.598	34.551	27.365	1.560

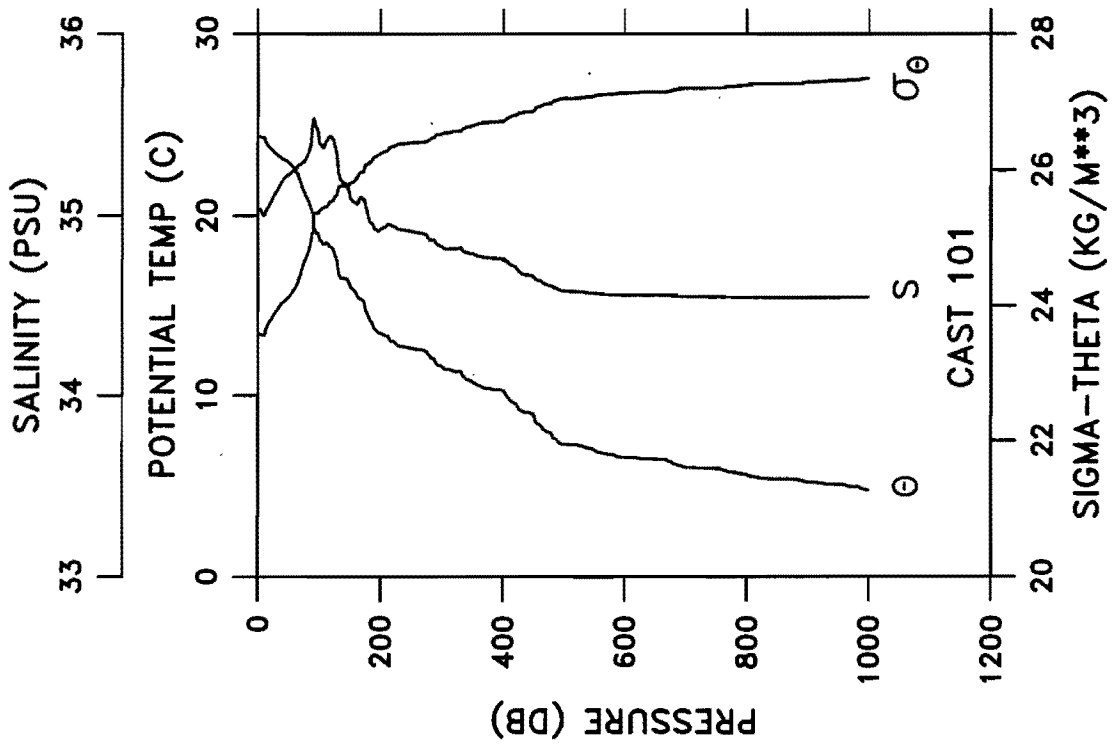


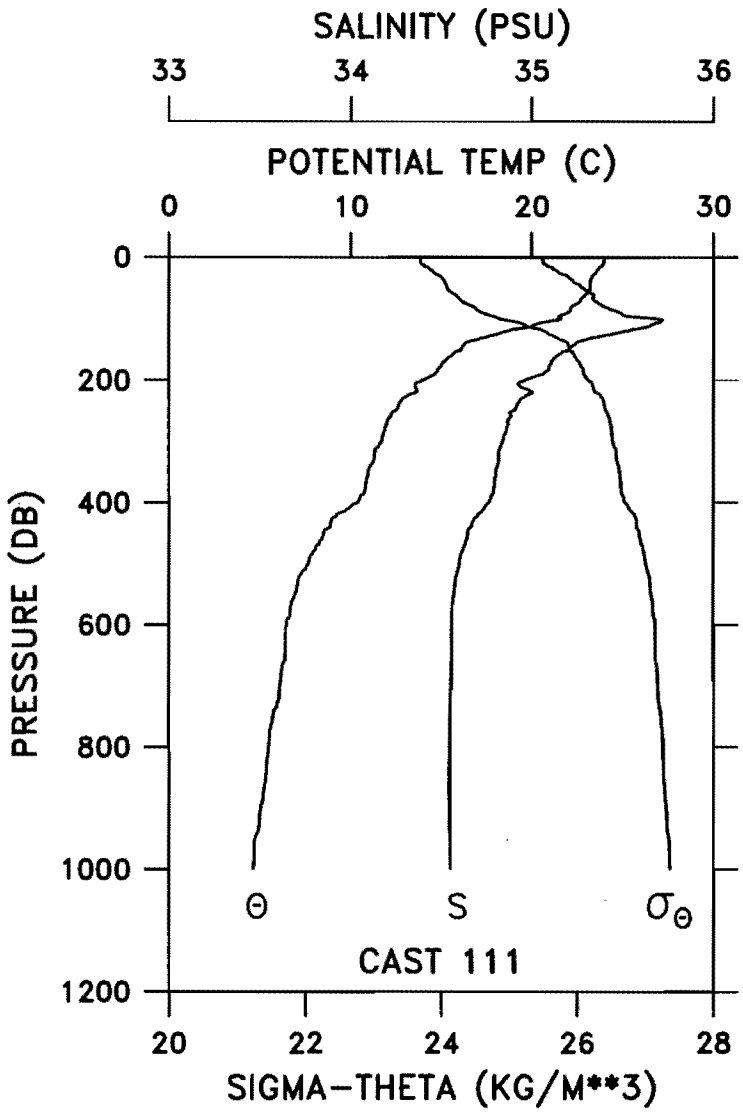
CAST GP7-98-KA-0091 DATE 28 OCT 98 TIME 0340 GMT
LAT 00 03.6S LONG 155 00.6W WEATHER 0 SEA STATE 3
BAROMETER 09 WIND DIR 093 T SPD 09 KT VISIBILITY 7
CLOUD 0 AMOUNT 0 DRY 24.6 WET 22.6 DEPTH 4697 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.450	34.926	23.453	0.000
10	24.033	34.962	23.605	0.044
20	23.593	35.037	23.791	0.086
30	23.068	35.133	24.016	0.126
40	22.697	35.186	24.163	0.164
50	22.328	35.218	24.293	0.201
60	21.946	35.233	24.411	0.237
70	21.285	35.256	24.612	0.271
80	20.698	35.267	24.780	0.304
90	19.989	35.261	24.965	0.335
100	19.656	35.242	25.037	0.365
110	18.761	35.264	25.285	0.393
120	17.547	35.085	25.449	0.420
130	17.428	35.271	25.621	0.444
140	16.569	35.096	25.691	0.468
150	15.587	35.020	25.858	0.491
160	15.457	35.030	25.894	0.512
170	14.944	35.049	26.023	0.533
180	14.267	34.938	26.084	0.553
190	13.704	34.858	26.140	0.573
200	13.283	34.891	26.251	0.591
250	12.771	34.907	26.367	0.679
300	11.760	34.842	26.512	0.763
350	10.746	34.782	26.652	0.840
400	9.888	34.726	26.757	0.910
450	9.034	34.664	26.850	0.976
500	7.635	34.598	27.012	1.036
550	7.241	34.578	27.053	1.092
600	6.800	34.567	27.105	1.145
650	6.634	34.564	27.125	1.197
700	6.104	34.554	27.187	1.248
750	5.868	34.549	27.213	1.295
800	5.522	34.547	27.254	1.342
900	5.073	34.547	27.308	1.432
1000	4.705	34.549	27.352	1.516
1006	4.695	34.549	27.353	1.521

CAST GP7-98-KA-0101 DATE 28 OCT 98 TIME 0757 GMT
LAT 00 30.0S LONG 154 58.4W WEATHER 0 SEA STATE 3
BAROMETER 11 WIND DIR 072 T SPD 12 KT VISIBILITY 7
CLOUD 0 AMOUNT 0 DRY 24.3 WET 22.7 DEPTH 4890 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.309	35.037	23.579	0.000
10	24.273	35.001	23.563	0.043
20	23.710	35.069	23.781	0.085
30	23.388	35.132	23.923	0.126
40	23.105	35.191	24.050	0.165
50	22.936	35.225	24.124	0.203
60	22.563	35.250	24.250	0.241
70	21.781	35.280	24.494	0.277
80	20.979	35.325	24.749	0.310
90	20.009	35.522	25.159	0.341
100	18.750	35.403	25.394	0.367
110	18.464	35.398	25.463	0.393
120	18.236	35.427	25.542	0.418
130	17.107	35.279	25.704	0.442
140	16.510	35.181	25.769	0.465
150	16.117	35.108	25.805	0.487
160	15.692	35.067	25.870	0.509
170	15.326	35.096	25.974	0.531
180	14.419	34.990	26.091	0.551
190	13.708	34.926	26.192	0.570
200	13.462	34.924	26.241	0.588
250	12.637	34.912	26.397	0.675
300	11.637	34.827	26.524	0.758
350	10.782	34.790	26.652	0.834
400	10.290	34.752	26.709	0.906
450	8.957	34.661	26.860	0.972
500	7.292	34.583	27.049	1.029
550	6.959	34.571	27.086	1.083
600	6.583	34.561	27.130	1.135
650	6.466	34.560	27.144	1.186
700	6.014	34.552	27.197	1.236
750	5.940	34.550	27.205	1.284
800	5.620	34.547	27.243	1.331
900	5.190	34.545	27.292	1.421
1000	4.740	34.549	27.348	1.508
1005	4.714	34.549	27.351	1.512



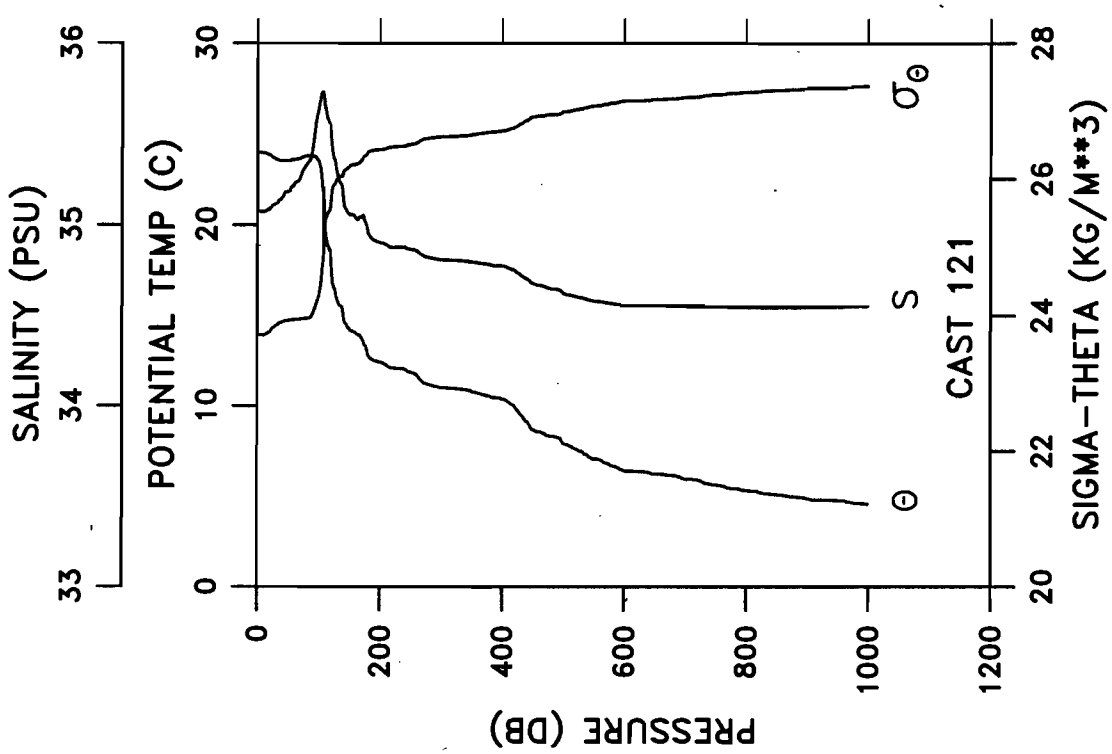


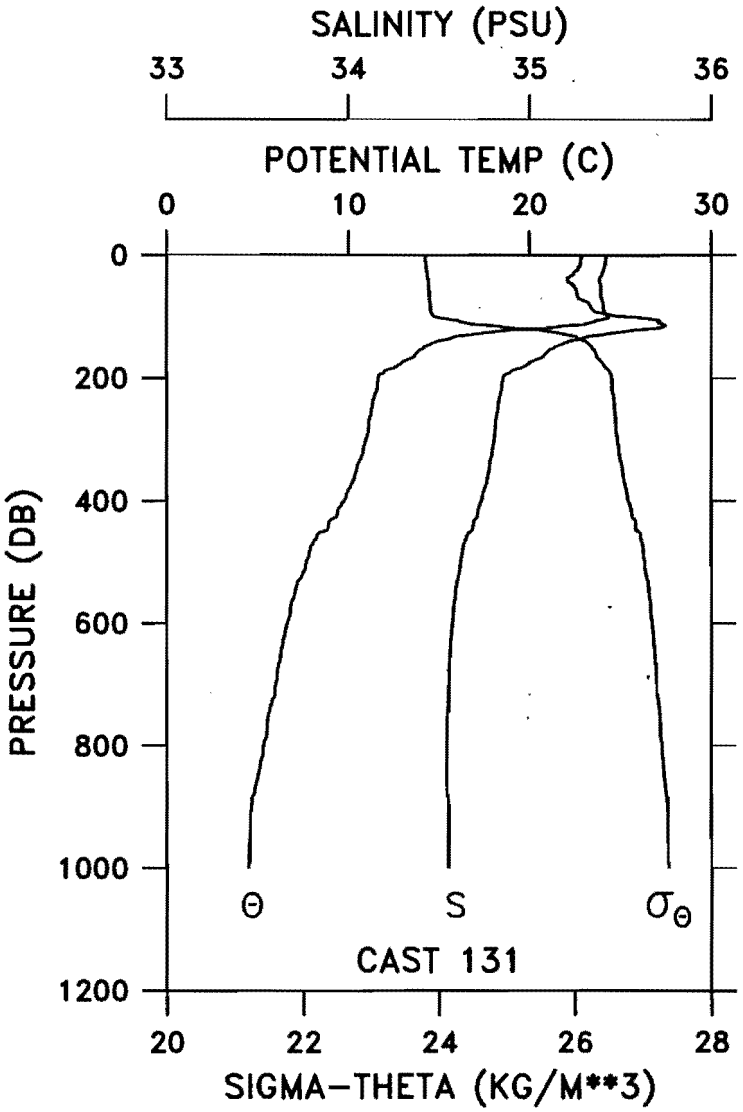
CAST GP7-98-KA-0111 DATE 28 OCT 98 TIME 1136 GMT
LAT 01 00.0S LONG 154 58.5W WEATHER 0 SEA STATE 3
BAROMETER 10 WIND DIR 070 T SPD 10 KT VISIBILITY 7
CLOUD 0 AMOUNT 0 DRY 25.2 WET 23.7 DEPTH 4755 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.010	35.059	23.685	0.000
10	23.988	35.065	23.696	0.042
20	23.672	35.124	23.833	0.083
30	23.335	35.199	23.989	0.123
40	23.219	35.231	24.047	0.162
50	23.216	35.285	24.089	0.201
60	22.984	35.338	24.196	0.239
70	22.686	35.347	24.288	0.276
80	22.204	35.401	24.467	0.312
90	21.961	35.486	24.600	0.346
100	21.604	35.695	24.859	0.378
110	20.102	35.661	25.240	0.408
120	18.641	35.522	25.513	0.434
130	17.434	35.354	25.683	0.458
140	16.291	35.240	25.866	0.481
150	16.101	35.206	25.884	0.502
160	15.530	35.140	25.963	0.524
170	15.127	35.109	26.029	0.544
180	14.857	35.095	26.077	0.564
190	14.648	35.064	26.099	0.584
200	13.929	34.960	26.172	0.603
250	12.438	34.896	26.424	0.691
300	11.684	34.838	26.524	0.771
350	10.948	34.801	26.631	0.847
400	10.348	34.762	26.707	0.921
450	8.512	34.646	26.918	0.985
500	7.652	34.601	27.012	1.044
550	6.919	34.569	27.091	1.098
600	6.445	34.558	27.146	1.149
650	6.367	34.557	27.156	1.199
700	6.068	34.553	27.191	1.248
750	5.678	34.549	27.237	1.296
800	5.450	34.546	27.262	1.341
900	5.027	34.544	27.311	1.430
1000	4.607	34.552	27.364	1.514
1005	4.569	34.552	27.369	1.518

CAST GP7-98-KA-0121 DATE 28 OCT 98 TIME 1516 GMT
LAT 01 29.9S LONG 154 58.0W WEATHER 0 SEA STATE 3
BAROMETER 10 WIND DIR 070 T SPD 10 KT VISIBILITY 7
CLOUD 0 AMOUNT 0 DRY 23.8 WET 22.3 DEPTH 4886 M

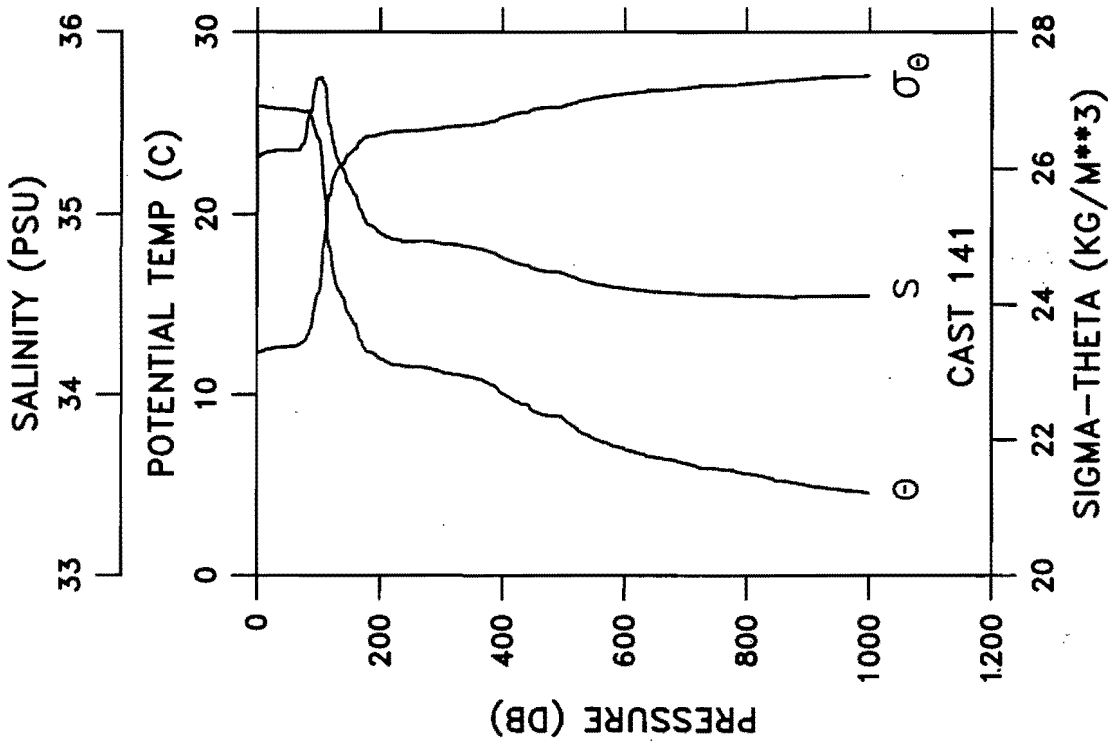
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.946	35.076	23.717	0.000
10	23.941	35.072	23.715	0.042
20	23.826	35.088	23.761	0.083
30	23.592	35.116	23.851	0.124
40	23.488	35.149	23.906	0.165
50	23.496	35.182	23.929	0.204
60	23.553	35.220	23.942	0.244
70	23.636	35.263	23.950	0.284
80	23.764	35.328	23.961	0.324
90	23.753	35.417	24.032	0.363
100	23.463	35.634	24.282	0.401
110	19.776	35.652	25.319	0.434
120	17.723	35.483	25.711	0.459
130	15.823	35.278	26.003	0.481
140	14.948	35.137	26.090	0.501
150	14.257	35.056	26.176	0.520
160	14.021	35.037	26.212	0.538
170	13.742	35.042	26.274	0.557
180	12.822	34.955	26.394	0.574
190	12.526	34.913	26.420	0.591
200	12.432	34.901	26.429	0.607
250	11.877	34.863	26.507	0.688
300	11.028	34.805	26.619	0.764
350	10.806	34.794	26.650	0.838
400	10.396	34.772	26.706	0.910
450	8.695	34.676	26.913	0.977
500	7.924	34.622	26.989	1.037
550	7.088	34.579	27.076	1.092
600	6.408	34.557	27.150	1.144
650	6.247	34.555	27.170	1.194
700	5.972	34.551	27.202	1.243
750	5.642	34.548	27.240	1.290
800	5.333	34.546	27.276	1.335
900	4.883	34.545	27.328	1.422
1000	4.589	34.551	27.366	1.505
1003	4.585	34.551	27.366	1.508





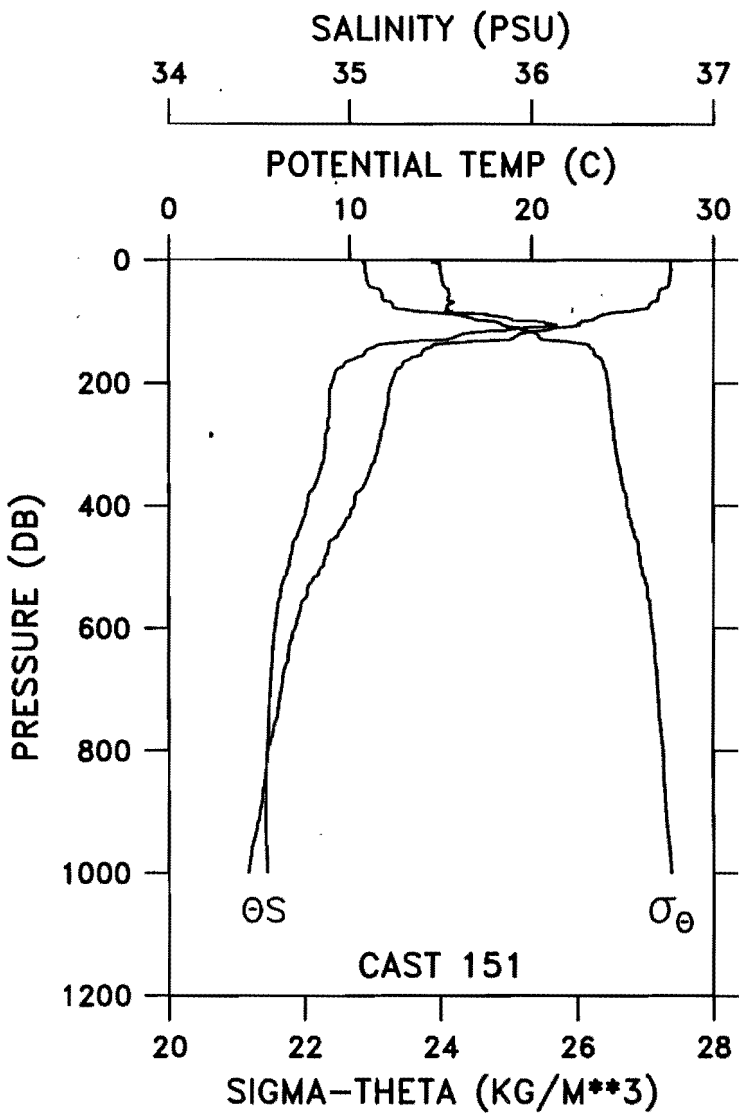
CAST GP7-98-KA-0131 DATE 28 OCT 98 TIME 1923 GMT
LAT 02 00.7S LONG 154 57.7W WEATHER 0 SEA STATE 3
BAROMETER 12 WIND DIR 066 T SPD 15 KT VISIBILITY 7
CLOUD 0 AMOUNT 0 DRY 25.0 WET 23.6 DEPTH 4995 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.222	35.289	23.796	0.000
10	24.185	35.283	23.802	0.041
20	24.124	35.272	23.812	0.082
30	24.014	35.244	23.824	0.123
40	23.863	35.210	23.843	0.163
50	23.950	35.248	23.846	0.204
60	23.950	35.262	23.856	0.245
70	23.970	35.272	23.858	0.286
80	24.068	35.331	23.873	0.326
90	24.105	35.352	23.878	0.367
100	24.361	35.545	23.948	0.407
110	23.273	35.711	24.395	0.445
120	19.615	35.646	25.357	0.477
130	16.499	35.373	25.920	0.500
140	14.882	35.216	26.165	0.520
150	14.183	35.137	26.255	0.538
160	13.718	35.087	26.314	0.556
170	13.233	35.033	26.372	0.573
180	12.699	34.974	26.434	0.590
190	11.993	34.894	26.509	0.606
200	11.653	34.852	26.540	0.621
250	11.292	34.823	26.585	0.697
300	10.968	34.802	26.628	0.772
350	10.429	34.774	26.702	0.845
400	9.760	34.733	26.785	0.914
450	8.614	34.672	26.923	0.978
500	7.656	34.617	27.024	1.035
550	7.042	34.590	27.090	1.089
600	6.625	34.573	27.134	1.141
650	6.261	34.560	27.171	1.191
700	5.973	34.554	27.204	1.239
750	5.584	34.547	27.247	1.286
800	5.312	34.543	27.277	1.332
900	4.656	34.550	27.358	1.417
1000	4.489	34.554	27.379	1.497
1004	4.470	34.554	27.382	1.501



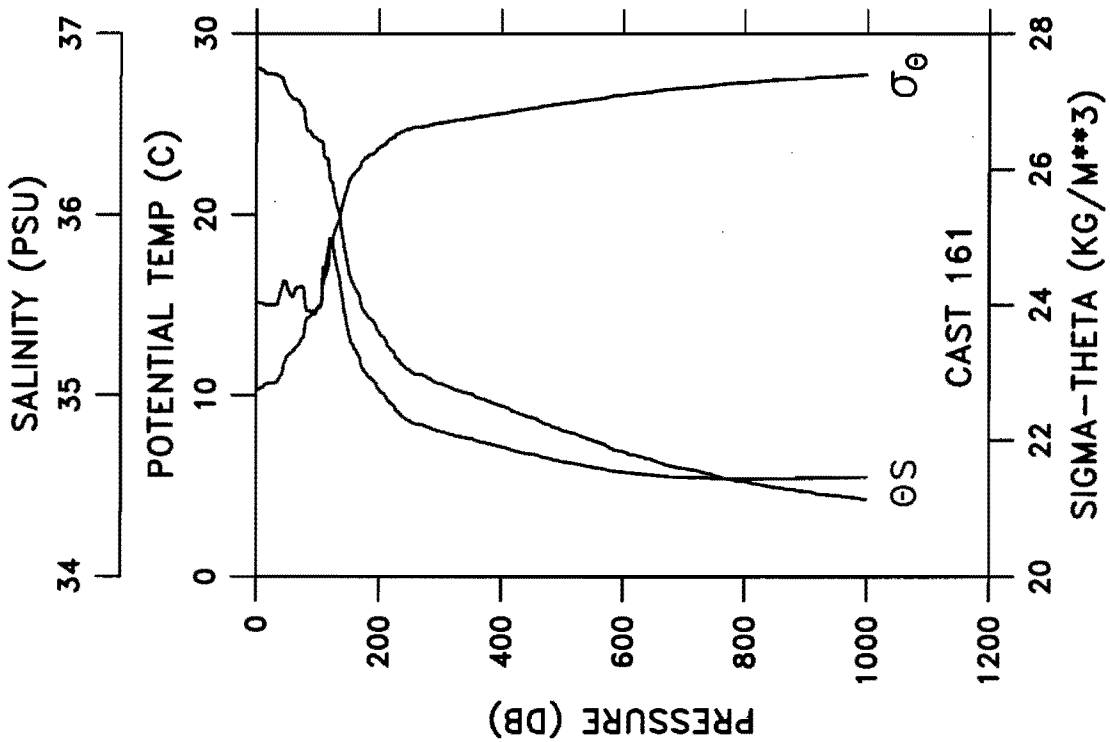
CAST GP7-98-KA-0141 DATE 29 OCT 98 TIME 0209 GMT
LAT 02 59.6S LONG 154 59.4W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 050 T SPD 18 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 24.8 WET 22.5 DEPTH 4930 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.928	35.317	23.297	0.000
10	25.910	35.334	23.315	0.046
20	25.838	35.345	23.346	0.091
30	25.801	35.350	23.362	0.136
40	25.790	35.352	23.366	0.182
50	25.763	35.351	23.374	0.227
60	25.739	35.352	23.382	0.272
70	25.653	35.364	23.418	0.317
80	25.617	35.455	23.498	0.362
90	25.150	35.591	23.744	0.405
100	24.133	35.746	24.169	0.444
110	21.111	35.712	25.007	0.478
120	17.885	35.466	25.659	0.504
130	15.982	35.305	25.988	0.526
140	15.390	35.246	26.076	0.546
150	14.434	35.159	26.218	0.565
160	13.889	35.105	26.292	0.583
170	12.967	35.013	26.410	0.600
180	12.391	34.945	26.471	0.616
190	12.292	34.928	26.478	0.632
200	12.038	34.898	26.503	0.648
250	11.559	34.849	26.556	0.725
300	11.283	34.838	26.598	0.801
350	10.979	34.816	26.637	0.876
400	10.057	34.757	26.753	0.948
450	9.117	34.700	26.865	1.014
500	8.661	34.672	26.916	1.077
550	7.568	34.616	27.036	1.135
600	6.976	34.589	27.099	1.189
650	6.520	34.571	27.146	1.241
700	6.190	34.561	27.181	1.291
750	5.885	34.553	27.214	1.339
800	5.607	34.548	27.244	1.386
900	4.968	34.544	27.318	1.475
1000	4.558	34.549	27.368	1.558
1004	4.547	34.549	27.369	1.561



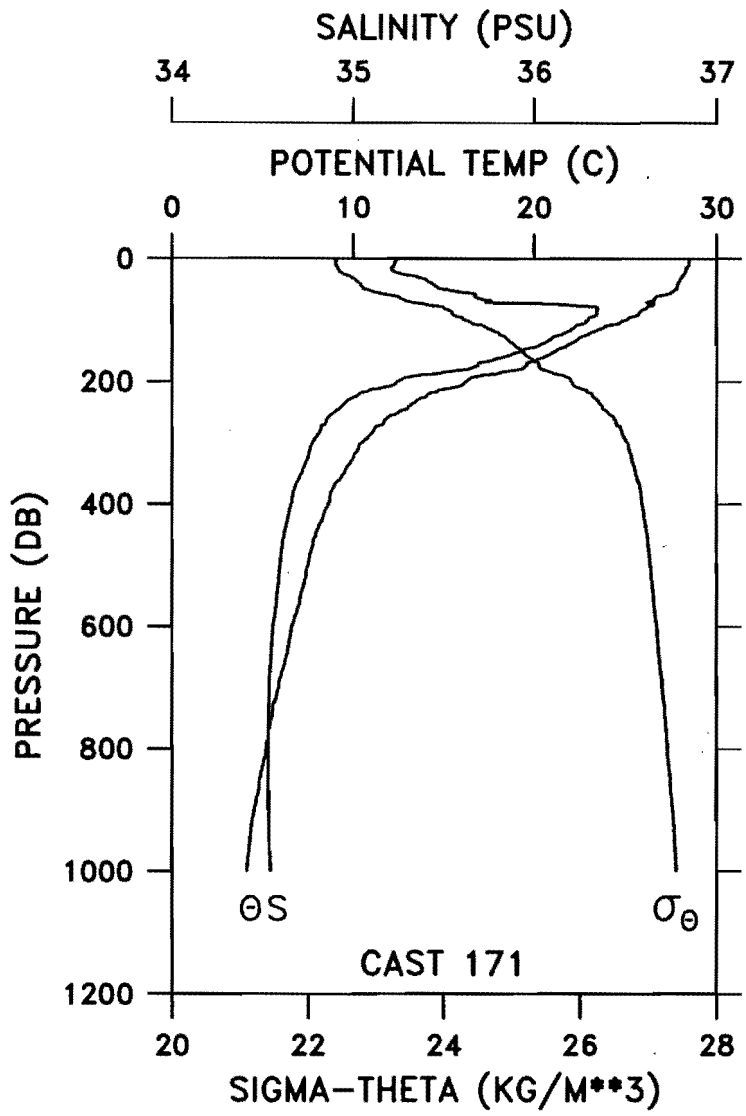
CAST GP7-98-KA-0151 DATE 29 OCT 98 TIME 0829 GMT
LAT 03 56.5S LONG 155 01.8W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 060 T SPD 13 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 25.2 WET 22.8 DEPTH 2075 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.631	35.456	22.860	0.000
10	27.636	35.497	22.890	0.050
20	27.631	35.500	22.893	0.099
30	27.571	35.509	22.919	0.149
40	27.516	35.516	22.942	0.198
50	27.027	35.545	23.122	0.247
60	26.950	35.545	23.146	0.294
70	26.538	35.562	23.291	0.341
80	25.893	35.533	23.471	0.387
90	23.778	35.776	24.296	0.428
100	22.777	36.067	24.809	0.462
110	21.230	35.932	25.142	0.493
120	19.317	35.620	25.415	0.520
130	18.244	35.477	25.578	0.546
140	14.542	35.142	26.182	0.566
150	13.990	35.083	26.254	0.585
160	13.339	35.027	26.346	0.602
170	12.921	34.970	26.386	0.619
180	12.548	34.923	26.424	0.636
190	12.423	34.913	26.440	0.652
200	12.300	34.902	26.456	0.668
250	11.984	34.890	26.507	0.749
300	11.605	34.865	26.560	0.827
350	11.012	34.828	26.640	0.903
400	10.232	34.765	26.729	0.974
450	9.291	34.709	26.844	1.041
500	8.463	34.661	26.938	1.103
550	7.605	34.615	27.030	1.161
600	6.966	34.587	27.098	1.215
650	6.592	34.572	27.137	1.266
700	6.208	34.560	27.178	1.316
750	5.927	34.552	27.208	1.365
800	5.468	34.543	27.258	1.411
900	5.046	34.535	27.302	1.501
1000	4.402	34.546	27.382	1.584
1004	4.374	34.546	27.385	1.587



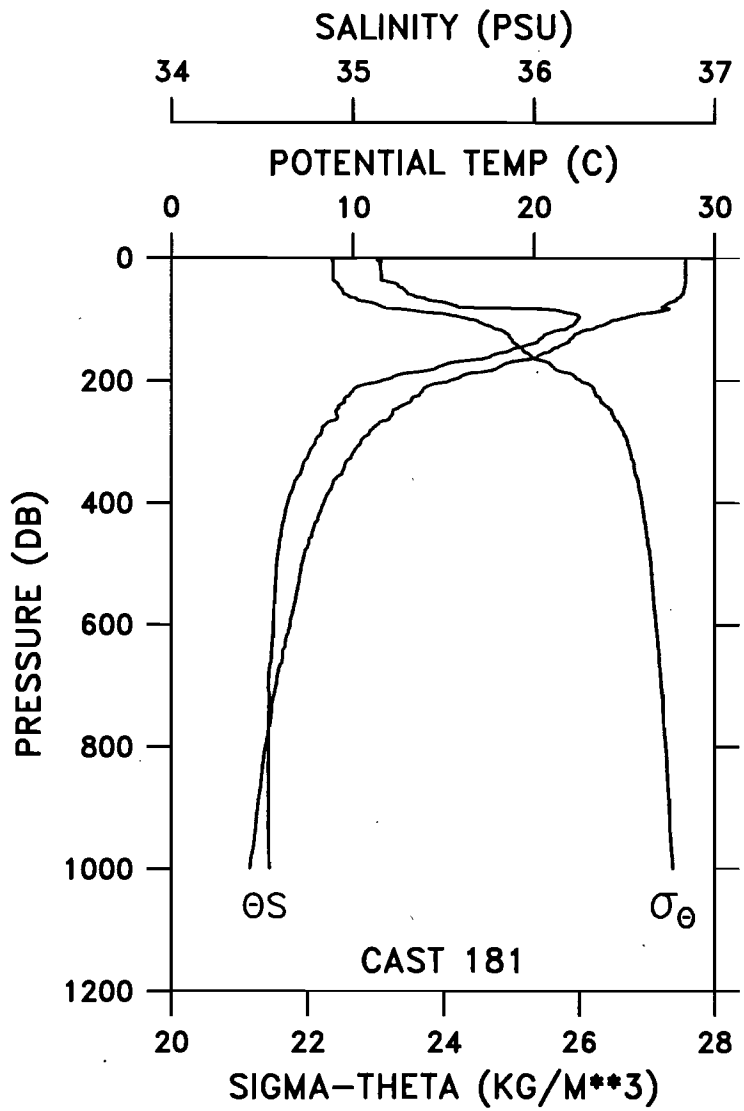
CAST GP7-98-KA-0161 DATE 30 OCT 98 TIME 0302 GMT
LAT 04 59.6S LONG 154 58.9W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 032 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.3 WET 24.0 DEPTH 5027 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.093	35.514	22.753	0.000
10	27.982	35.507	22.784	0.051
20	27.789	35.499	22.841	0.101
30	27.767	35.500	22.849	0.151
40	27.614	35.576	22.955	0.201
50	26.863	35.609	23.223	0.249
60	26.382	35.544	23.326	0.295
70	26.206	35.596	23.421	0.340
80	24.925	35.492	23.738	0.384
90	24.443	35.449	23.851	0.426
100	24.137	35.479	23.965	0.466
110	23.242	35.694	24.391	0.505
120	21.958	35.867	24.890	0.539
130	20.626	35.725	25.148	0.569
140	18.879	35.546	25.471	0.597
150	17.021	35.355	25.783	0.620
160	15.988	35.252	25.945	0.642
170	15.189	35.176	26.067	0.663
180	14.497	35.119	26.174	0.682
190	14.120	35.084	26.227	0.700
200	13.495	35.032	26.318	0.718
250	11.413	34.859	26.591	0.799
300	10.637	34.800	26.685	0.872
350	10.078	34.760	26.751	0.941
400	9.434	34.715	26.825	1.008
450	8.767	34.675	26.901	1.071
500	8.062	34.633	26.976	1.131
550	7.516	34.603	27.033	1.188
600	6.893	34.576	27.100	1.242
650	6.368	34.560	27.158	1.293
700	5.959	34.548	27.201	1.342
750	5.575	34.542	27.244	1.389
800	5.246	34.539	27.281	1.434
900	4.700	34.542	27.347	1.519
1000	4.255	34.548	27.400	1.598
1006	4.241	34.549	27.402	1.603



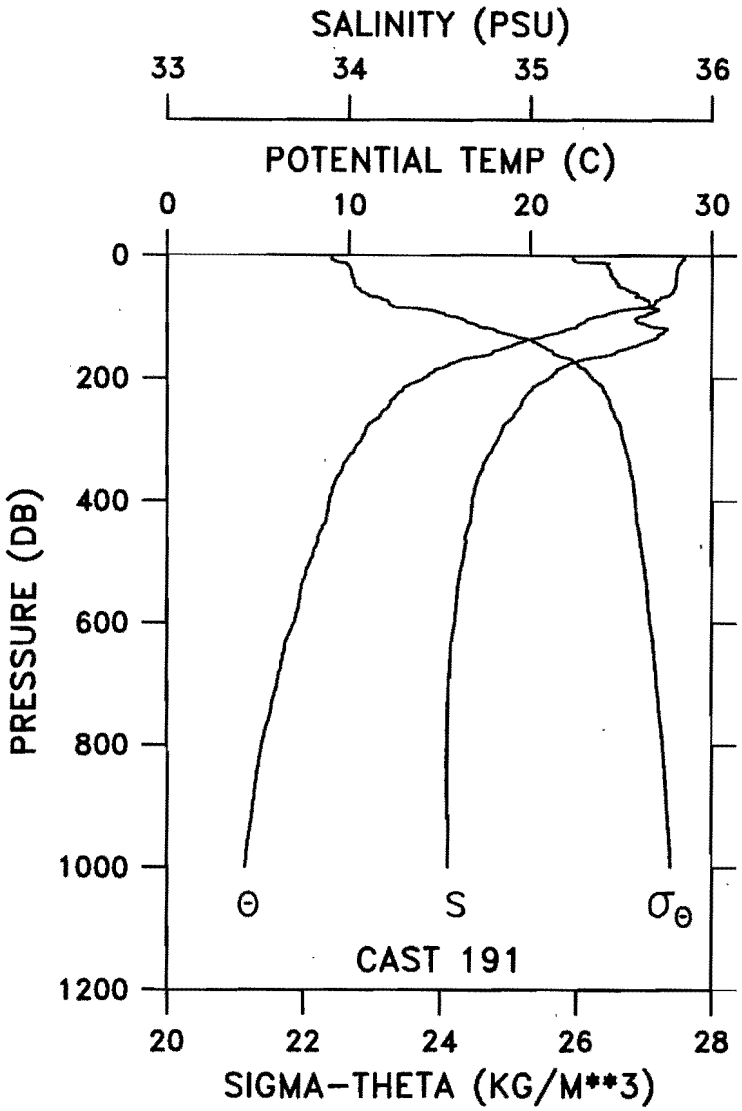
CAST GP7-98-KA-0171 DATE 31 OCT 98 TIME 0746 GMT
LAT 08 16.1S LONG 155 01.6W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 357 T SPD 07 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 27.0 WET 25.0 DEPTH 5341 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.494	35.241	22.416	0.000
10	28.475	35.230	22.413	0.054
20	28.300	35.221	22.465	0.108
30	28.086	35.356	22.637	0.161
40	27.877	35.436	22.765	0.213
50	27.745	35.512	22.865	0.263
60	26.908	35.671	23.255	0.312
70	26.242	35.741	23.519	0.357
80	26.148	36.347	24.006	0.399
90	25.722	36.344	24.136	0.437
100	24.992	36.293	24.323	0.474
110	23.913	36.226	24.598	0.510
120	23.094	36.170	24.796	0.543
130	22.444	36.095	24.926	0.574
140	21.863	36.030	25.041	0.604
150	21.196	35.929	25.149	0.633
160	20.549	35.832	25.251	0.662
170	19.598	35.694	25.398	0.689
180	19.190	35.630	25.455	0.715
190	17.079	35.356	25.770	0.739
200	16.218	35.246	25.888	0.761
250	12.509	34.895	26.409	0.856
300	10.451	34.773	26.697	0.932
350	9.484	34.713	26.815	1.000
400	8.629	34.657	26.909	1.062
450	7.943	34.618	26.982	1.121
500	7.496	34.595	27.030	1.178
550	7.072	34.577	27.076	1.232
600	6.598	34.557	27.125	1.285
650	6.279	34.546	27.158	1.335
700	5.877	34.537	27.202	1.384
750	5.476	34.532	27.248	1.430
800	5.190	34.530	27.281	1.475
900	4.518	34.534	27.360	1.560
1000	4.125	34.543	27.409	1.638
1006	4.114	34.543	27.411	1.642



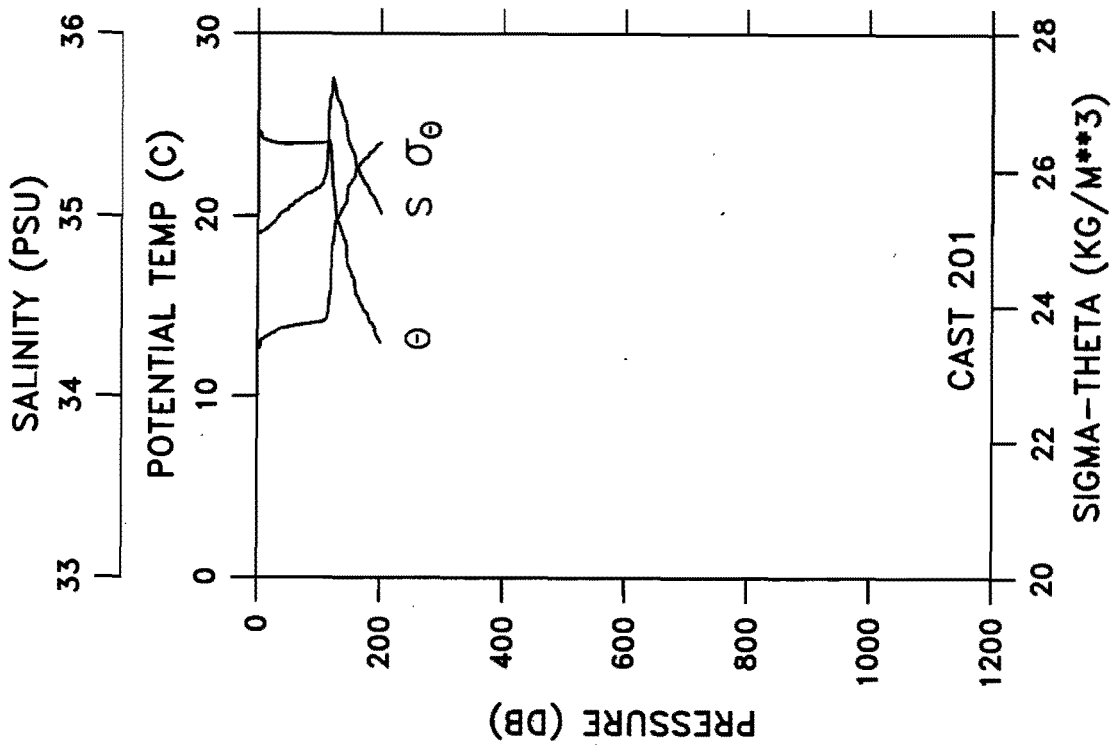
CAST GP7-98-KA-0181 DATE 31 OCT 98 TIME 1637 GMT
LAT 07 00.0S LONG 155 02.2W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 040 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 26.0 WET 24.3 DEPTH 5224 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.411	35.134	22.363	0.000
10	28.407	35.149	22.375	0.055
20	28.412	35.154	22.377	0.109
30	28.413	35.156	22.379	0.164
40	28.388	35.218	22.433	0.218
50	28.311	35.278	22.504	0.272
60	28.192	35.322	22.576	0.326
70	27.778	35.444	22.804	0.378
80	27.109	35.573	23.116	0.426
90	26.182	36.204	23.887	0.471
100	24.683	36.240	24.377	0.509
110	23.716	36.212	24.645	0.543
120	22.581	36.102	24.892	0.575
130	22.131	36.044	24.976	0.606
140	21.660	35.986	25.064	0.636
150	20.969	35.871	25.167	0.664
160	20.196	35.760	25.291	0.692
170	18.667	35.555	25.531	0.719
180	17.950	35.455	25.634	0.743
190	16.135	35.252	25.912	0.766
200	15.315	35.157	26.024	0.787
250	12.180	34.906	26.482	0.877
300	10.443	34.793	26.714	0.952
350	9.399	34.712	26.828	1.019
400	8.404	34.641	26.931	1.080
450	7.753	34.604	27.000	1.138
500	7.182	34.580	27.063	1.193
550	6.879	34.571	27.097	1.246
600	6.523	34.562	27.139	1.298
650	6.116	34.551	27.183	1.347
700	5.761	34.535	27.215	1.395
750	5.491	34.537	27.250	1.441
800	5.176	34.536	27.287	1.486
900	4.752	34.535	27.335	1.571
1000	4.307	34.541	27.389	1.653
1008	4.256	34.541	27.394	1.659



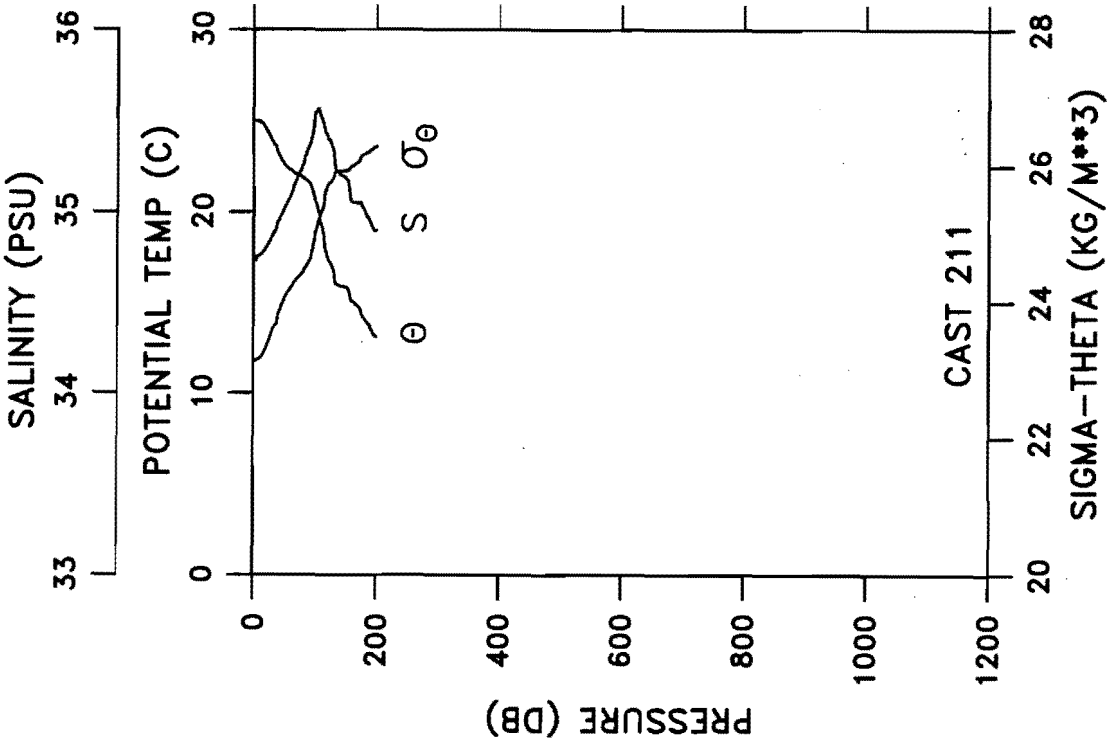
CAST GP7-98-KA-0191 DATE 01 NOV 98 TIME 0002 GMT
LAT 05 59.8S LONG 155 03.6W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 041 T SPD 06 KT VISIBILITY 7
CLOUD 7 AMOUNT 6 DRY 27.6 WET 23.5 DEPTH 5258 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.484	35.234	22.414	0.000
10	28.342	35.259	22.479	0.054
20	28.114	35.433	22.685	0.106
30	28.062	35.444	22.711	0.158
40	28.036	35.473	22.741	0.209
50	27.998	35.482	22.760	0.260
60	27.844	35.576	22.881	0.311
70	27.150	35.628	23.145	0.360
80	26.815	35.654	23.271	0.407
90	24.828	35.692	23.918	0.450
100	23.538	35.594	24.229	0.489
110	22.836	35.606	24.443	0.525
120	21.998	35.757	24.795	0.559
130	20.791	35.700	25.085	0.590
140	19.587	35.646	25.364	0.618
150	18.579	35.543	25.544	0.643
160	17.802	35.460	25.674	0.668
170	16.116	35.282	25.938	0.690
180	15.368	35.190	26.037	0.711
190	14.638	35.139	26.159	0.730
200	14.079	35.098	26.247	0.749
250	12.053	34.932	26.527	0.832
300	10.707	34.819	26.688	0.905
350	9.628	34.730	26.804	0.973
400	8.934	34.679	26.878	1.037
450	8.432	34.647	26.931	1.098
500	7.868	34.623	26.998	1.157
550	7.333	34.595	27.053	1.213
600	6.960	34.581	27.094	1.267
650	6.395	34.559	27.154	1.318
700	6.052	34.550	27.191	1.367
750	5.667	34.543	27.234	1.415
800	5.213	34.538	27.285	1.460
900	4.712	34.540	27.343	1.545
1000	4.269	34.545	27.396	1.625
1004	4.223	34.547	27.403	1.628



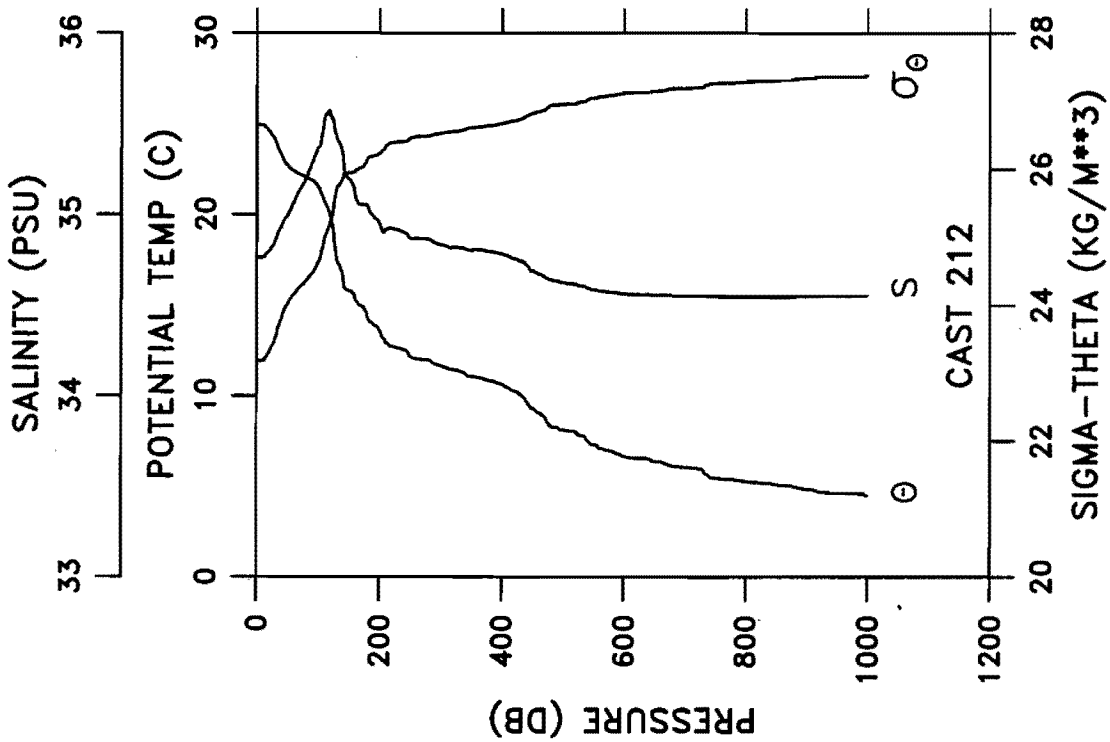
CAST GP7-98-KA-0201 DATE 01 NOV 98 TIME 2315 GMT
LAT 02 33.9S LONG 155 10.0W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 043 T SPD 09 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 25.2 WET 23.1 DEPTH 4904 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.614	34.903	23.386	0.000
10	24.206	34.915	23.518	0.044
20	24.085	34.942	23.574	0.088
30	23.996	34.978	23.627	0.131
40	23.955	35.020	23.671	0.173
50	23.952	35.049	23.694	0.215
60	23.970	35.080	23.713	0.257
70	23.984	35.100	23.724	0.299
80	23.984	35.122	23.740	0.341
90	23.992	35.138	23.750	0.383
100	24.009	35.159	23.761	0.425
110	24.057	35.235	23.804	0.467
120	22.535	35.729	24.622	0.506
130	19.713	35.634	25.322	0.535
140	18.817	35.540	25.482	0.561
150	17.010	35.384	25.808	0.585
160	15.619	35.269	26.042	0.606
170	15.013	35.206	26.128	0.626
180	14.325	35.145	26.231	0.645
190	13.745	35.089	26.310	0.663
200	12.992	35.012	26.404	0.680
200	12.992	35.012	26.404	0.680



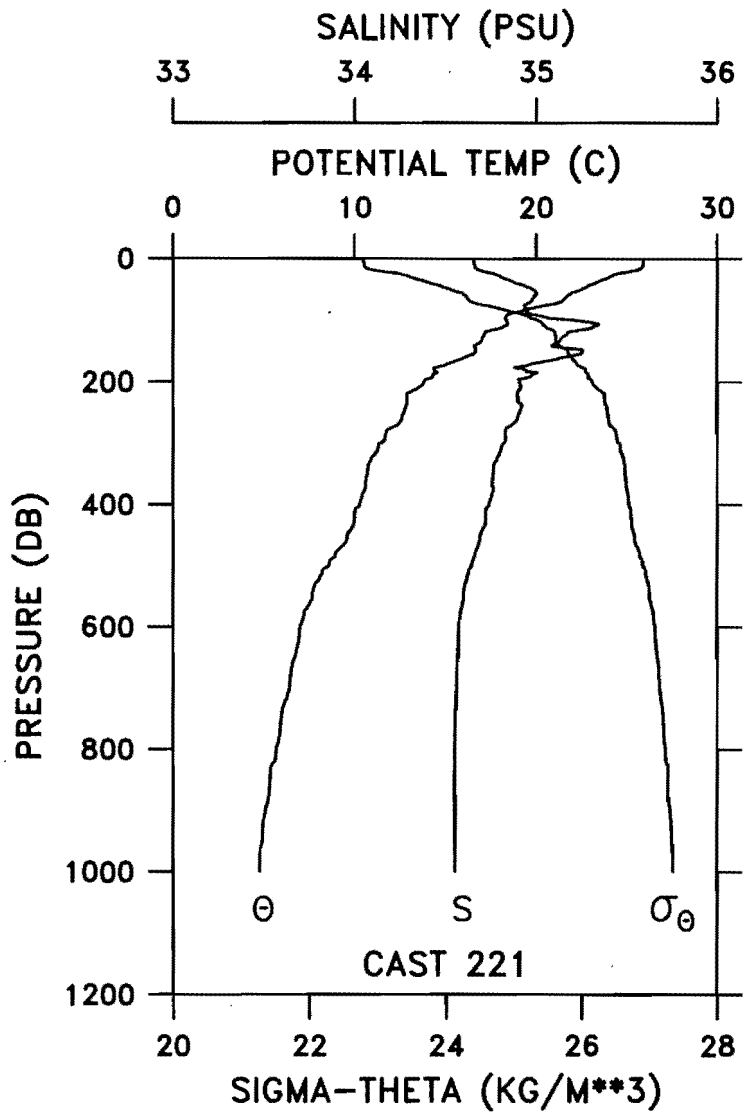
CAST GP7-98-KA-0211 DATE 02 NOV 98 TIME 1326 GMT
LAT 00 47.4S LONG 155 07.9W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 068 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 24.2 WET 24.2 DEPTH 3227 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.996	34.731	23.141	0.000
10	24.970	34.758	23.169	0.047
20	24.571	34.799	23.321	0.094
30	23.936	34.859	23.555	0.138
40	23.217	34.944	23.830	0.180
50	22.580	35.021	24.072	0.220
60	22.301	35.088	24.201	0.258
70	22.054	35.179	24.340	0.294
80	21.885	35.256	24.446	0.330
90	21.617	35.352	24.594	0.364
100	20.578	35.536	25.018	0.396
110	19.331	35.522	25.336	0.425
120	17.443	35.414	25.727	0.449
130	16.697	35.335	25.844	0.472
140	15.889	35.205	25.932	0.493
150	15.809	35.185	25.935	0.514
160	15.053	35.055	26.003	0.535
170	14.763	35.050	26.063	0.555
180	14.061	35.006	26.180	0.575
190	13.587	34.945	26.232	0.593
200	13.101	34.899	26.295	0.611
200	13.101	34.899	26.295	0.611



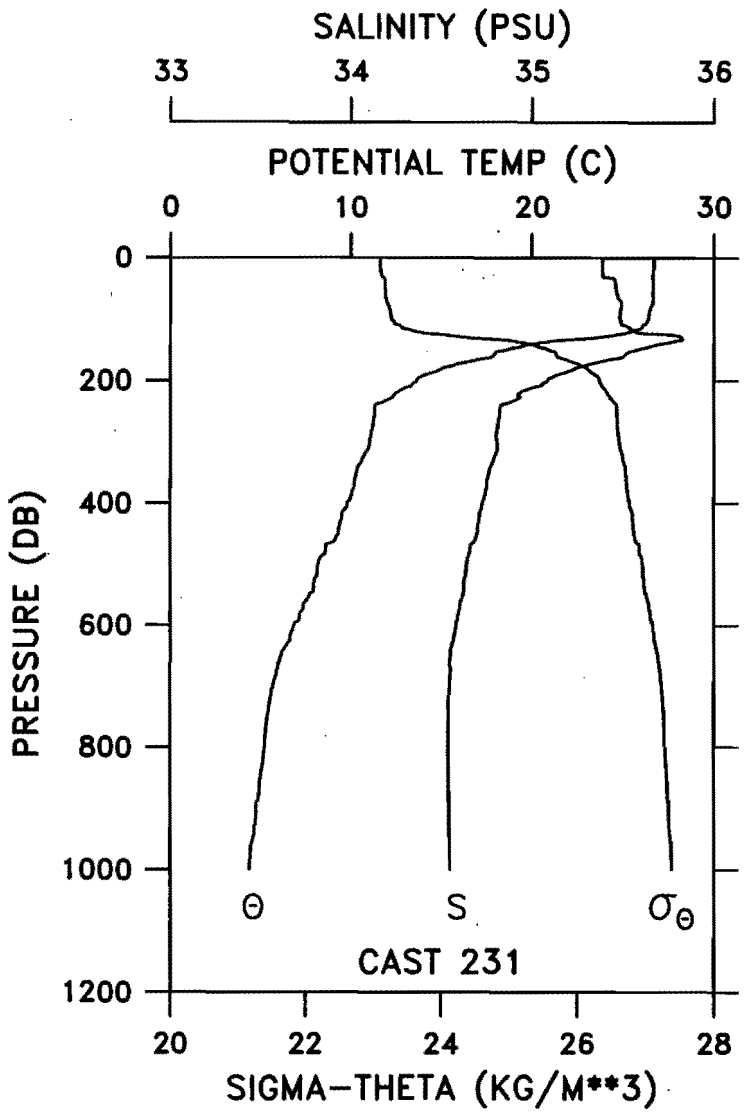
CAST GP7-98-KA-0212 DATE 02 NOV 98 TIME 1441 GMT
LAT 00 47.2S LONG 155 08.9W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 070 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 23.9 WET 22.2 DEPTH 3319 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.942	34.765	23.183	0.000
10	24.943	34.764	23.182	0.047
20	24.609	34.797	23.308	0.093
30	24.093	34.853	23.505	0.138
40	23.314	34.929	23.790	0.180
50	22.712	34.993	24.013	0.220
60	22.402	35.065	24.156	0.259
70	22.199	35.134	24.265	0.296
80	22.041	35.195	24.356	0.332
90	21.864	35.283	24.473	0.368
100	21.517	35.368	24.633	0.402
110	20.707	35.526	24.975	0.434
120	19.819	35.552	25.232	0.463
130	17.507	35.425	25.720	0.489
140	16.602	35.328	25.861	0.511
150	15.805	35.193	25.942	0.532
160	15.362	35.107	25.975	0.553
170	14.965	35.053	26.021	0.574
180	14.346	35.051	26.154	0.594
190	13.935	34.988	26.193	0.612
200	13.605	34.949	26.231	0.631
250	12.163	34.869	26.456	0.716
300	11.642	34.833	26.527	0.796
350	11.072	34.802	26.609	0.874
400	10.650	34.784	26.670	0.948
450	9.341	34.691	26.822	1.018
500	8.140	34.625	26.959	1.079
550	7.322	34.586	27.048	1.137
600	6.666	34.564	27.121	1.190
650	6.380	34.557	27.154	1.241
700	6.061	34.554	27.193	1.290
750	5.465	34.549	27.263	1.338
800	5.282	34.547	27.283	1.382
900	4.835	34.549	27.337	1.469
1000	4.496	34.555	27.380	1.550
1500	3.026	34.599	27.562	1.906
2000	2.185	34.637	27.666	2.197
2500	1.789	34.656	27.713	2.450
3000	1.485	34.670	27.746	2.687
3004	1.485	34.670	27.746	2.689



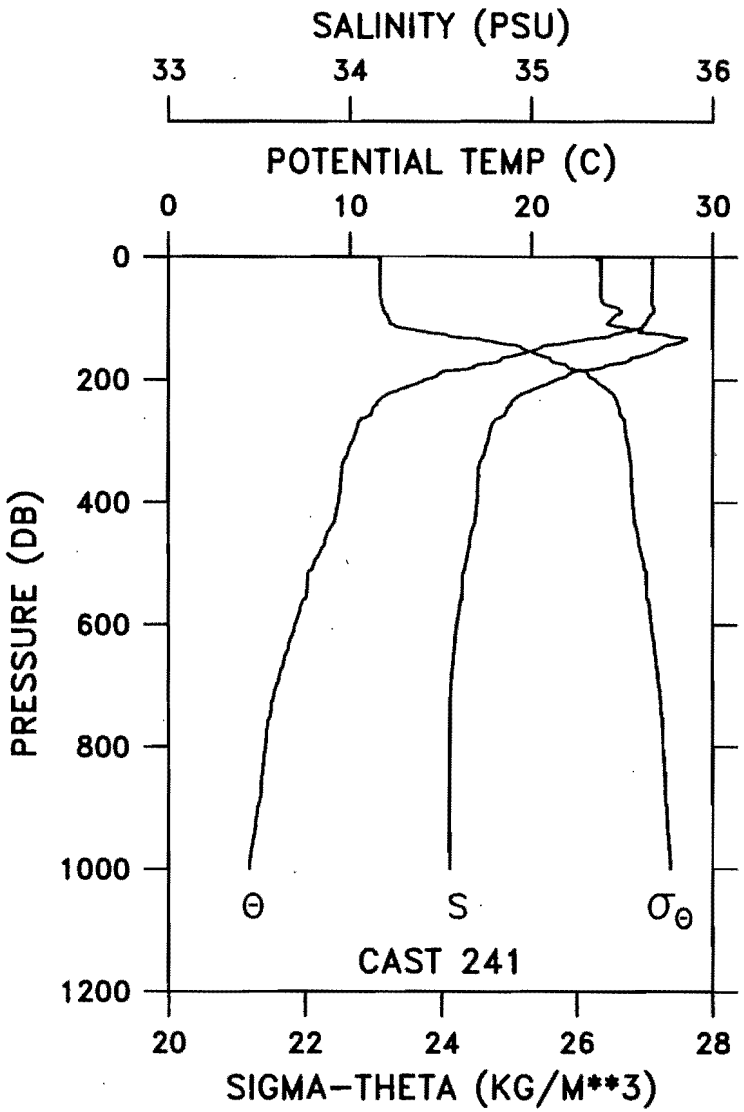
CAST GP7-98-KA-0221 DATE 03 NOV 98 TIME 0900 GMT
LAT 00 02.3N LONG 155 01.9W WEATHER 0 SEA STATE 3
BAROMETER 11 WIND DIR 082 T SPD 16 KT VISIBILITY 7
CLOUD AMOUNT 0 DRY 24.9 WET 22.1 DEPTH 4681 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.908	34.652	22.802	0.000
10	25.900	34.658	22.808	0.050
20	25.288	34.700	23.029	0.100
30	24.041	34.807	23.485	0.146
40	23.255	34.884	23.773	0.189
50	22.493	34.980	24.065	0.228
60	21.716	34.991	24.291	0.266
70	21.364	34.969	24.372	0.302
80	19.858	34.937	24.752	0.336
90	18.533	34.964	25.113	0.367
100	18.352	35.217	25.352	0.394
110	18.201	35.318	25.467	0.420
120	17.130	35.173	25.617	0.445
130	17.002	35.134	25.618	0.469
140	16.684	35.090	25.659	0.493
150	16.621	35.255	25.800	0.516
160	16.057	35.156	25.856	0.538
170	15.154	34.986	25.928	0.560
180	14.380	34.936	26.057	0.580
190	14.295	34.971	26.103	0.600
200	13.809	34.907	26.156	0.619
250	12.714	34.908	26.379	0.708
300	11.419	34.817	26.557	0.790
350	10.703	34.760	26.642	0.865
400	10.288	34.737	26.698	0.937
450	9.600	34.689	26.777	1.007
500	8.583	34.642	26.904	1.072
550	7.673	34.597	27.006	1.131
600	6.973	34.572	27.086	1.186
650	6.700	34.566	27.118	1.239
700	6.401	34.560	27.153	1.290
750	5.945	34.552	27.206	1.339
800	5.671	34.549	27.238	1.386
900	5.074	34.549	27.309	1.476
1000	4.758	34.550	27.346	1.561
1005	4.757	34.550	27.346	1.565



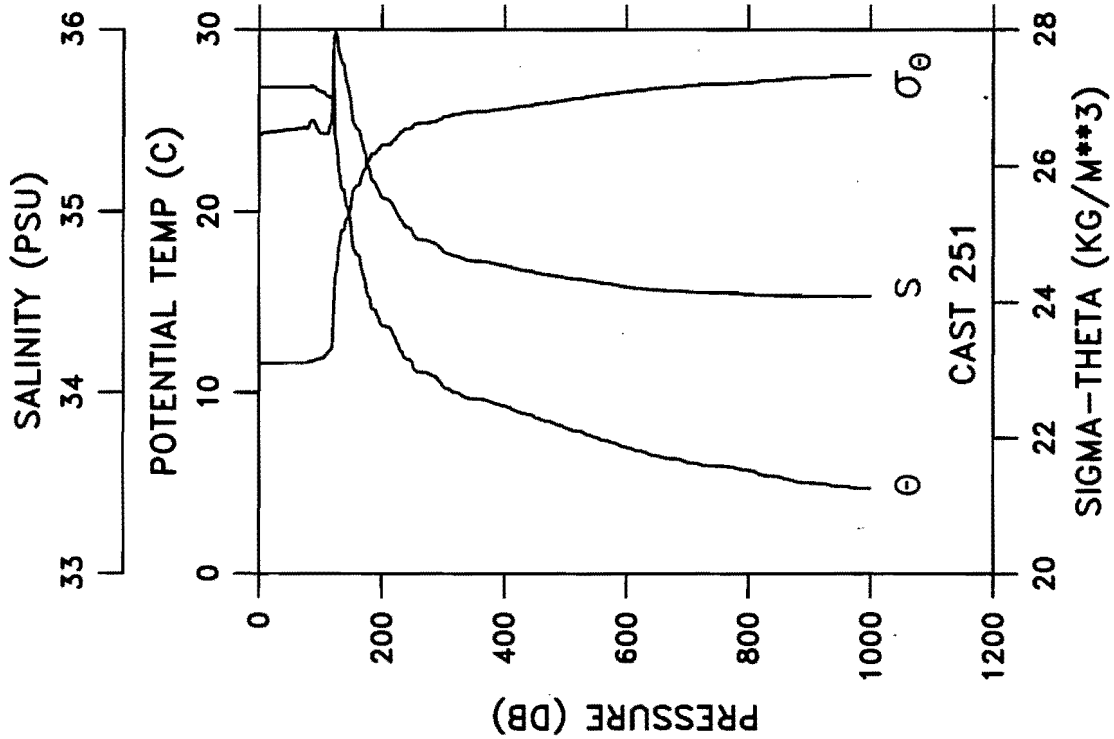
CAST GP7-98-KA-0231 DATE 07 NOV 98 TIME 0615 GMT
LAT 02 09.9S LONG 170 01.6W WEATHER 0 SEA STATE 3
BAROMETER 08 WIND DIR 071 T SPD 14 KT VISIBILITY 7
CLOUD AMOUNT 0 DRY 25.5 WET 23.3 DEPTH 4963 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.712	35.393	23.108	0.000
10	26.712	35.388	23.104	0.048
20	26.699	35.388	23.109	0.095
30	26.625	35.391	23.134	0.143
40	26.654	35.459	23.176	0.190
50	26.652	35.462	23.178	0.237
60	26.650	35.467	23.184	0.284
70	26.657	35.491	23.199	0.331
80	26.536	35.491	23.237	0.378
90	26.454	35.485	23.259	0.424
100	26.411	35.484	23.272	0.471
110	26.079	35.512	23.397	0.517
120	25.486	35.567	23.623	0.561
130	23.458	35.824	24.427	0.601
140	19.994	35.704	25.302	0.631
150	18.549	35.575	25.577	0.657
160	17.838	35.507	25.701	0.681
170	16.380	35.361	25.939	0.703
180	15.045	35.233	26.143	0.723
190	14.172	35.140	26.259	0.742
200	13.653	35.083	26.324	0.759
250	11.319	34.821	26.578	0.840
300	11.055	34.808	26.616	0.915
350	10.329	34.763	26.710	0.987
400	9.825	34.726	26.768	1.057
450	9.334	34.699	26.829	1.123
500	8.212	34.641	26.960	1.185
550	7.749	34.622	27.015	1.243
600	6.863	34.584	27.110	1.298
650	6.123	34.553	27.184	1.348
700	5.681	34.550	27.237	1.396
750	5.368	34.543	27.270	1.441
800	5.212	34.540	27.286	1.485
900	4.763	34.544	27.341	1.571
1000	4.400	34.552	27.388	1.651
1005	4.393	34.552	27.388	1.655



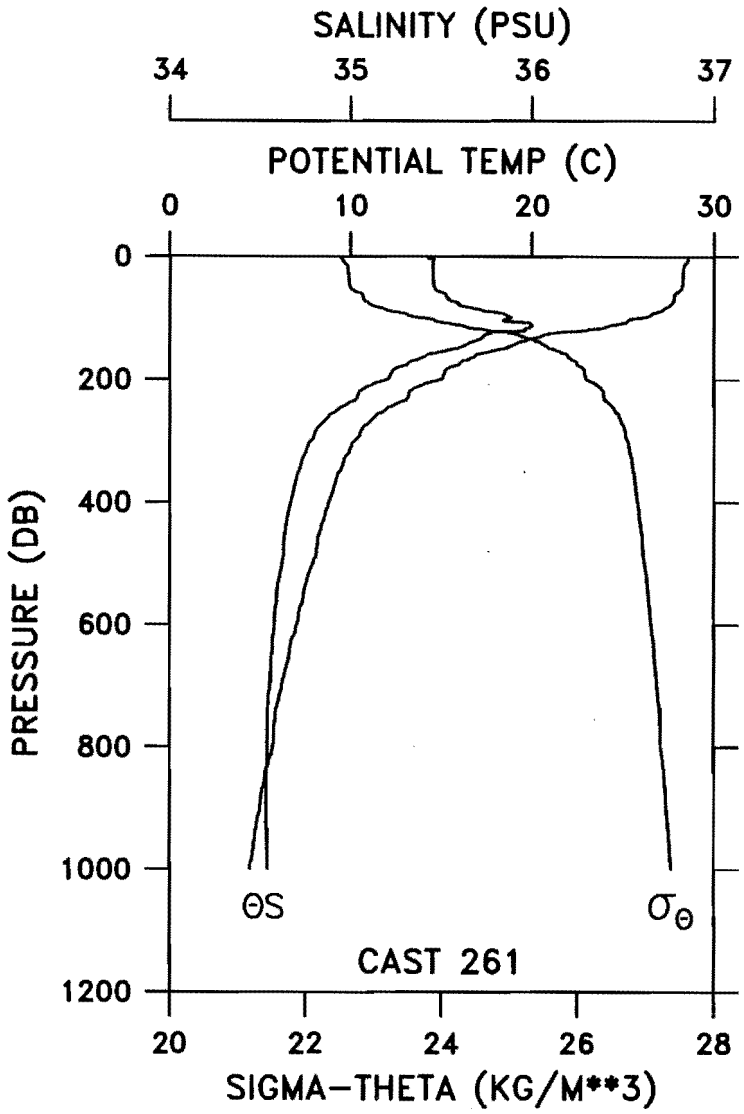
CAST GP7-98-KA-0241 DATE 07 NOV 98 TIME 1248 GMT
LAT 02 59.7S LONG 170 01.4W WEATHER 0 SEA STATE 3
BAROMETER 09 WIND DIR 060 T SPD 11 KT VISIBILITY 7
CLOUD AMOUNT 0 DRY 26.7 WET 23.7 DEPTH 5066 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.672	35.361	23.097	0.000
10	26.668	35.381	23.113	0.048
20	26.677	35.382	23.110	0.095
30	26.677	35.383	23.111	0.143
40	26.675	35.382	23.111	0.190
50	26.667	35.381	23.113	0.238
60	26.649	35.381	23.118	0.286
70	26.639	35.388	23.127	0.334
80	26.702	35.438	23.145	0.381
90	26.740	35.496	23.177	0.429
100	26.422	35.443	23.237	0.476
110	26.170	35.430	23.306	0.522
120	25.501	35.612	23.652	0.567
130	24.133	35.789	24.201	0.607
140	21.891	35.805	24.862	0.641
150	20.307	35.704	25.219	0.670
160	19.107	35.614	25.464	0.697
170	18.150	35.526	25.639	0.721
180	16.726	35.388	25.878	0.744
190	14.891	35.210	26.159	0.764
200	14.060	35.132	26.277	0.783
250	11.226	34.861	26.627	0.862
300	10.136	34.758	26.740	0.932
350	9.536	34.706	26.801	0.999
400	9.355	34.699	26.825	1.064
450	8.733	34.665	26.898	1.128
500	7.997	34.634	26.987	1.188
550	7.594	34.615	27.031	1.244
600	6.936	34.586	27.101	1.298
650	6.411	34.568	27.158	1.350
700	5.906	34.553	27.211	1.398
750	5.589	34.549	27.248	1.445
800	5.334	34.545	27.276	1.489
900	4.893	34.546	27.328	1.577
1000	4.437	34.548	27.380	1.659
1003	4.435	34.548	27.380	1.661



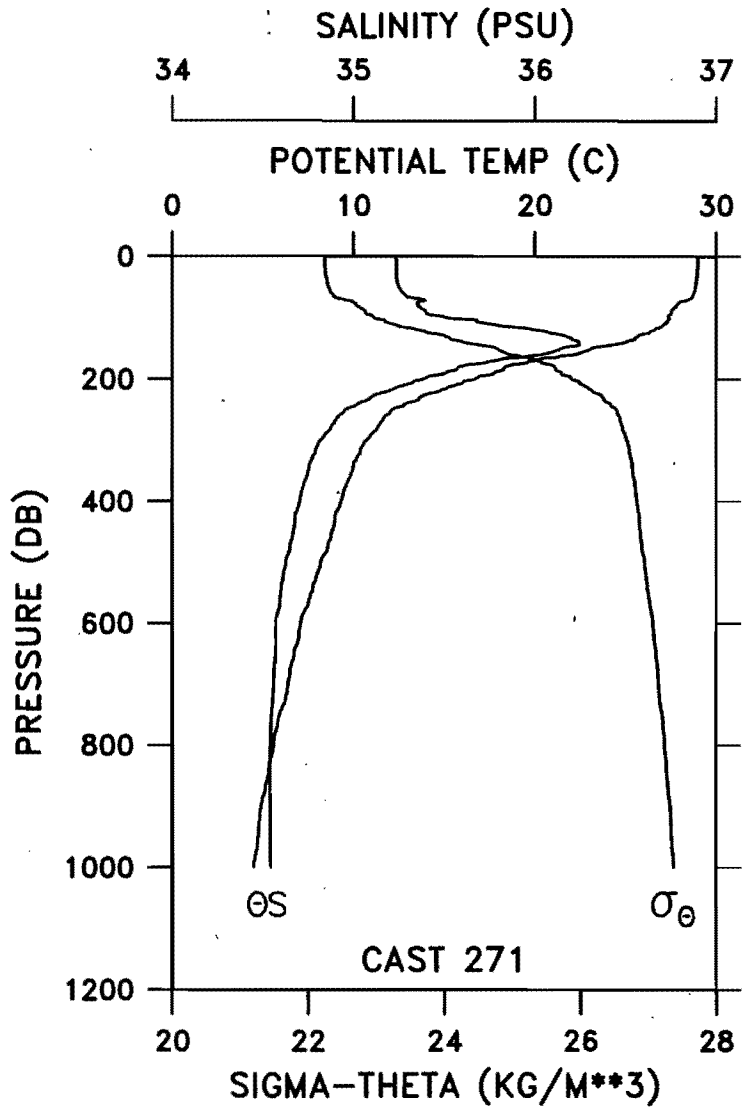
CAST GP7-98-KA-0251 DATE 07 NOV 98 TIME 1924 GMT
LAT 04 00.1S LONG 170 00.8W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 074 T SPD 17 KT VISIBILITY 7
CLOUD 8 AMOUNT 1 DRY 27.4 WET 24.8 DEPTH 5732 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.828	35.422	23.092	0.000
10	26.827	35.433	23.101	0.048
20	26.831	35.439	23.105	0.095
30	26.831	35.441	23.106	0.143
40	26.846	35.448	23.107	0.191
50	26.845	35.449	23.108	0.238
60	26.853	35.454	23.109	0.286
70	26.861	35.459	23.110	0.334
80	26.838	35.460	23.118	0.382
90	26.846	35.493	23.140	0.430
100	26.608	35.432	23.170	0.477
110	26.391	35.428	23.236	0.524
120	25.963	35.742	23.607	0.570
130	22.130	35.871	24.845	0.606
140	20.622	35.745	25.165	0.636
150	18.927	35.564	25.472	0.664
160	17.610	35.453	25.716	0.687
170	16.394	35.346	25.924	0.710
180	15.224	35.230	26.101	0.730
190	14.504	35.147	26.194	0.749
200	13.682	35.076	26.313	0.767
250	11.602	34.885	26.575	0.850
300	10.352	34.782	26.721	0.922
350	9.662	34.728	26.797	0.989
400	9.291	34.703	26.839	1.055
450	8.621	34.663	26.914	1.117
500	8.077	34.635	26.976	1.177
550	7.537	34.613	27.038	1.234
600	6.986	34.586	27.094	1.288
650	6.536	34.570	27.143	1.340
700	6.133	34.560	27.188	1.390
750	5.941	34.553	27.207	1.438
800	5.700	34.544	27.230	1.486
900	5.014	34.534	27.304	1.576
1000	4.679	34.536	27.344	1.661
1005	4.611	34.537	27.352	1.665



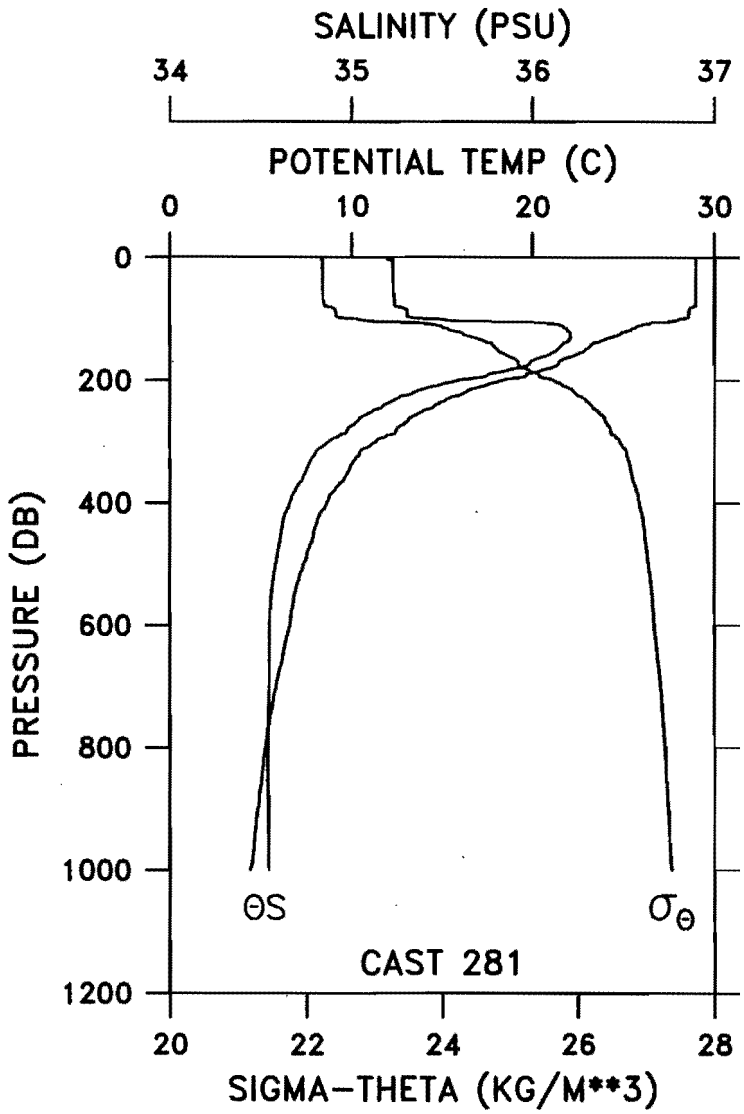
CAST GP7-98-KA-0261 DATE 08 NOV 98 TIME 0301 GMT
LAT 04 59.6S LONG 170 00.2W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 074 T SPD 17 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.7 WET 25.1 DEPTH 5421 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.592	35.429	22.525	0.000
10	28.483	35.457	22.581	0.053
20	28.323	35.455	22.633	0.105
30	28.305	35.456	22.640	0.157
40	28.285	35.457	22.647	0.209
50	28.237	35.463	22.667	0.262
60	27.851	35.521	22.838	0.313
70	27.803	35.545	22.871	0.363
80	27.537	35.614	23.009	0.413
90	26.898	35.790	23.348	0.460
100	25.723	35.877	23.784	0.504
110	24.702	35.999	24.189	0.544
120	22.939	35.962	24.683	0.579
130	20.412	35.735	25.214	0.609
140	19.210	35.653	25.468	0.636
150	18.337	35.568	25.625	0.661
160	16.903	35.419	25.860	0.684
170	16.126	35.333	25.976	0.705
180	15.426	35.258	26.077	0.726
190	15.171	35.225	26.108	0.745
200	14.895	35.197	26.148	0.765
250	11.912	34.928	26.551	0.849
300	10.250	34.780	26.738	0.921
350	9.424	34.712	26.824	0.987
400	8.814	34.668	26.888	1.051
450	8.292	34.637	26.945	1.111
500	7.920	34.620	26.988	1.170
550	7.394	34.591	27.042	1.226
600	7.023	34.578	27.083	1.281
650	6.587	34.563	27.131	1.333
700	6.201	34.552	27.173	1.383
750	5.826	34.542	27.213	1.432
800	5.683	34.541	27.230	1.479
900	4.986	34.534	27.308	1.569
1000	4.428	34.541	27.376	1.652
1005	4.412	34.541	27.377	1.656



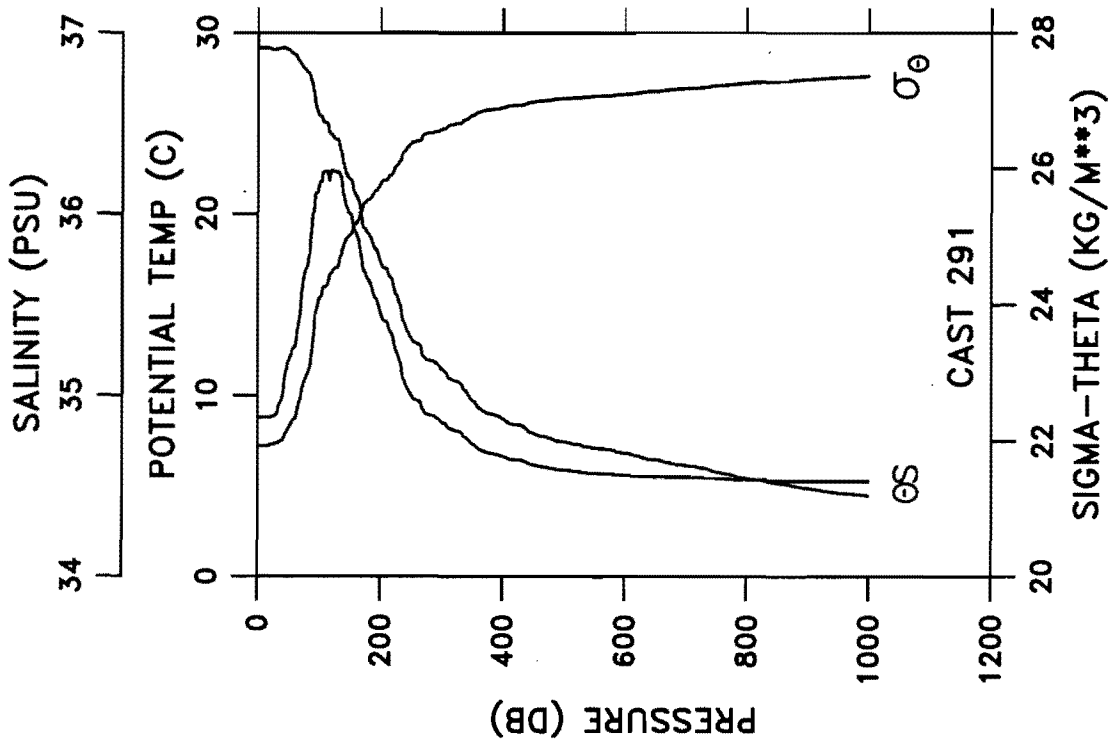
CAST GP7-98-KA-0271 DATE 08 NOV 98 TIME 1026 GMT
LAT 05 59.7S LONG 170 01.1W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 092 T SPD 16 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 28.0 WET 24.9 DEPTH 4708 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.988	35.233	22.246	0.000
10	28.992	35.237	22.247	0.056
20	28.965	35.237	22.256	0.112
30	28.952	35.237	22.260	0.167
40	28.899	35.241	22.281	0.223
50	28.856	35.252	22.304	0.279
60	28.776	35.274	22.347	0.334
70	28.492	35.383	22.523	0.388
80	27.829	35.354	22.719	0.441
90	27.536	35.397	22.847	0.492
100	27.407	35.514	22.977	0.542
110	27.143	35.748	23.237	0.589
120	26.537	36.009	23.627	0.635
130	25.684	36.171	24.018	0.676
140	24.959	36.242	24.295	0.714
150	23.107	36.146	24.773	0.748
160	22.196	36.038	24.953	0.780
170	19.981	35.780	25.363	0.808
180	18.377	35.584	25.627	0.833
190	17.757	35.505	25.720	0.857
200	16.702	35.382	25.880	0.880
250	12.110	34.955	26.534	0.972
300	10.704	34.816	26.686	1.046
350	9.936	34.752	26.770	1.115
400	9.320	34.703	26.834	1.181
450	8.808	34.668	26.889	1.244
500	8.196	34.626	26.951	1.305
550	7.678	34.598	27.006	1.364
600	7.095	34.575	27.071	1.419
650	6.750	34.570	27.114	1.472
700	6.401	34.559	27.153	1.524
750	5.910	34.547	27.207	1.573
800	5.588	34.542	27.242	1.620
900	4.893	34.539	27.322	1.709
1000	4.481	34.544	27.372	1.792
1006	4.475	34.543	27.372	1.797



CAST GP7-98-KA-0281 DATE 08 NOV 98 TIME 1814 GMT
LAT 06 59.6S LONG 170 01.3W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 065 T SPD 16 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.5 WET 25.5 DEPTH 4778 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.990	35.195	22.216	0.000
10	28.993	35.226	22.238	0.056
20	28.993	35.228	22.240	0.112
30	28.992	35.228	22.240	0.168
40	28.991	35.229	22.242	0.224
50	28.985	35.231	22.245	0.280
60	28.980	35.232	22.247	0.336
70	28.967	35.236	22.255	0.392
80	28.825	35.252	22.314	0.448
90	28.595	35.305	22.431	0.502
100	28.112	35.489	22.728	0.556
110	25.986	36.151	23.908	0.603
120	25.176	36.200	24.197	0.642
130	24.298	36.208	24.469	0.678
140	23.291	36.167	24.736	0.712
150	22.913	36.136	24.822	0.744
160	22.235	36.080	24.973	0.775
170	21.458	35.987	25.121	0.805
180	20.928	35.911	25.209	0.834
190	19.681	35.756	25.424	0.861
200	18.287	35.580	25.646	0.886
250	13.910	35.115	26.296	0.989
300	11.335	34.875	26.618	1.071
350	9.775	34.743	26.790	1.141
400	8.619	34.656	26.909	1.204
450	7.865	34.608	26.986	1.262
500	7.314	34.578	27.042	1.319
550	6.792	34.554	27.097	1.372
600	6.568	34.547	27.121	1.424
650	6.180	34.546	27.171	1.474
700	5.824	34.545	27.216	1.522
750	5.470	34.539	27.254	1.568
800	5.231	34.538	27.282	1.613
900	4.823	34.540	27.331	1.699
1000	4.394	34.545	27.382	1.781
1007	4.356	34.544	27.386	1.787



CAST GP7-98-KA-0291 DATE 09 NOV 98 TIME 0919 GMT
LAT 07 58.7S LONG 170 00.7W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 054 T SPD 14 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 28.1 WET 25.6 DEPTH 5376 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.149	34.881	21.927	0.000
10	29.150	34.881	21.927	0.059
20	29.095	34.884	21.947	0.118
30	29.070	34.895	21.965	0.176
40	29.146	34.996	22.015	0.235
50	29.037	35.188	22.195	0.292
60	28.812	35.266	22.329	0.348
70	28.286	35.485	22.667	0.402
80	27.811	35.704	22.988	0.452
90	26.903	35.984	23.493	0.499
100	25.439	36.163	24.087	0.540
110	25.040	36.233	24.263	0.578
120	24.376	36.238	24.468	0.614
130	24.091	36.229	24.547	0.649
140	22.697	36.098	24.855	0.681
150	21.883	36.001	25.013	0.712
160	21.002	35.897	25.178	0.741
170	19.750	35.746	25.398	0.769
180	18.904	35.638	25.535	0.794
190	18.146	35.543	25.653	0.819
200	17.399	35.455	25.769	0.842
250	13.165	35.004	26.363	0.944
300	11.453	34.856	26.581	1.024
350	9.767	34.735	26.785	1.096
400	8.745	34.667	26.898	1.159
450	7.956	34.620	26.982	1.219
500	7.470	34.591	27.030	1.275
550	7.118	34.572	27.065	1.330
600	6.835	34.561	27.096	1.383
650	6.470	34.553	27.138	1.435
700	6.139	34.550	27.179	1.485
750	5.791	34.543	27.218	1.533
800	5.435	34.535	27.256	1.580
900	4.896	34.529	27.314	1.668
1000	4.456	34.531	27.365	1.751
1005	4.411	34.531	27.370	1.755

CAST GP7-98-KA-0011 LAT 07 59.7N LONG 154 58.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
11.	28.564	34.094	28.562	21.533
25.	28.568	34.094	28.562	21.532
40.	28.549	34.151	28.540	21.589
60.	27.764	34.650	27.750	22.213
100.	21.735	34.636	21.715	24.015
150.	12.265	34.613	12.245	26.244
201.	11.038	34.675	11.013	26.525
402.	9.152	34.647	9.107	26.827
600.	7.174	34.565	7.115	27.060
698.	6.238	34.544	6.175	27.171
1003.	4.593	34.554	4.512	27.377

CAST GP7-98-KA-0021 LAT 07 00.3N LONG 154 58.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	28.044	34.464	28.041	21.981
24.	28.049	34.464	28.043	21.980
40.	28.054	34.470	28.044	21.980
60.	28.066	34.471	28.052	21.982
100.	26.217	34.741	26.195	22.777
152.	18.440	34.593	18.413	24.858
199.	13.077	34.602	13.049	26.075
400.	9.232	34.653	9.188	26.817
603.	7.286	34.575	7.227	27.049
780.	5.887	34.548	5.818	27.219
1002.	4.763	34.554	4.681	27.358

CAST GP7-98-KA-0031 LAT 06 00.6N LONG 154 57.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	26.073	34.463	26.071	22.609
25.	25.976	34.479	25.971	22.651
40.	25.764	34.512	25.755	22.744
61.	25.472	34.555	25.459	22.869
99.	25.244	34.596	25.222	22.976
151.	24.497	34.832	24.465	23.373
199.	15.322	34.670	15.292	25.652
400.	9.384	34.659	9.339	26.798
601.	7.596	34.583	7.536	27.014
802.	5.897	34.550	5.826	27.220
1002.	4.826	34.554	4.744	27.352

CAST GP7-98-KA-0041 LAT 04 59.4N LONG 154 58.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	26.869	34.349	26.867	22.272
25.	26.658	34.359	26.652	22.348
40.	26.503	34.394	26.494	22.424
60.	26.394	34.405	26.381	22.468
100.	24.600	34.427	24.579	23.034
150.	22.316	35.006	22.286	24.136
201.	14.194	34.688	14.165	25.909
400.	9.751	34.669	9.705	26.745
600.	8.052	34.605	7.990	26.966
801.	6.109	34.553	6.037	27.194
1005.	4.833	34.557	4.750	27.353

CAST GP7-98-KA-0051 LAT 04 00.8N LONG 155 00.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
24.	26.581	34.381	26.576	22.388
37.	26.447	34.381	26.439	22.431
40.	26.445	34.380	26.436	22.432
59.	26.430	34.381	26.416	22.437
100.	23.406	34.667	23.385	23.570
151.	18.477	34.926	18.451	25.099
200.	13.424	34.923	13.396	26.254
402.	10.720	34.740	10.671	26.633
600.	8.023	34.615	7.961	26.978
801.	5.817	34.548	5.747	27.228
1000.	4.676	34.556	4.595	27.369

CAST GP7-98-KA-0061 LAT 03 00.8N LONG 155 02.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	26.325	34.408	26.323	22.487
25.	26.314	34.407	26.308	22.492
39.	25.618	34.441	25.609	22.736
61.	23.414	34.748	23.401	23.633
101.	22.229	34.839	22.209	24.037
150.	14.660	34.930	14.637	25.997
200.	13.167	34.880	13.140	26.273
400.	10.524	34.732	10.476	26.662
600.	7.503	34.595	7.443	27.038
799.	5.680	34.548	5.611	27.243
1005.	4.575	34.555	4.495	27.380

CAST GP7-98-KA-0071 LAT 02 01.7N LONG 155 01.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	25.851	34.499	25.848	22.703
25.	25.215	34.584	25.210	22.959
40.	23.929	34.800	23.920	23.512
61.	22.897	34.959	22.884	23.940
101.	21.405	34.911	21.385	24.311
151.	14.331	34.931	14.309	26.070
201.	13.165	34.887	13.137	26.277
402.	10.518	34.732	10.469	26.662
601.	6.694	34.562	6.638	27.124
801.	5.163	34.555	5.096	27.303
1001.	4.468	34.544	4.388	27.391

CAST GP7-98-KA-0081 LAT 01 00.6N LONG 155 05.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	25.049	34.640	25.046	23.058
24.	24.573	34.741	24.568	23.284
38.	23.752	34.908	23.744	23.655
59.	22.994	35.011	22.982	23.949
101.	18.187	34.879	18.170	25.137
151.	13.477	34.763	13.456	26.119
200.	12.807	34.894	12.779	26.357
401.	10.649	34.743	10.600	26.646
602.	7.018	34.571	6.960	27.087
801.	5.548	34.544	5.478	27.257
1006.	4.682	34.551	4.601	27.365

CAST GP7-98-KA-0091 LAT 00 03.6S LONG 155 00.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	24.037	34.954	24.035	23.604
25.	23.593	35.028	23.588	23.792
40.	22.903	35.148	22.895	24.083
61.	22.092	35.226	22.080	24.368
101.	19.414	35.240	19.396	25.106
150.	15.622	35.015	15.598	25.851
199.	13.119	34.868	13.091	26.271
399.	9.804	34.712	9.758	26.768
599.	6.836	34.564	6.780	27.106
800.	5.597	34.544	5.528	27.252
1005.	4.778	34.549	4.696	27.353

CAST GP7-98-KA-0101 LAT 00 30.0S LONG 154 58.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
11.	23.954	35.031	23.951	23.680
25.	23.474	35.114	23.469	23.884
40.	23.081	35.201	23.073	24.066
61.	22.386	35.263	22.374	24.308
102.	18.626	35.384	18.608	25.411
150.	15.913	35.074	15.890	25.829
201.	13.395	35.074	13.367	26.265
400.	10.286	34.752	10.238	26.718
601.	6.634	34.560	6.578	27.129
800.	5.664	34.546	5.594	27.244
1004.	4.798	34.548	4.715	27.350

CAST GP7-98-KA-0111 LAT 01 00.0S LONG 154 58.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
9.	23.931	35.063	23.929	23.712
24.	23.460	35.154	23.455	23.920
40.	23.230	35.234	23.222	24.053
61.	22.869	35.336	22.857	24.229
101.	21.560	35.697	21.540	24.892
150.	15.809	35.184	15.785	25.925
200.	13.658	34.929	13.629	26.205
399.	10.531	34.768	10.483	26.687
600.	6.513	34.556	6.458	27.143
800.	5.519	34.545	5.450	27.262
1004.	4.655	34.552	4.574	27.368

CAST GP7-98-KA-0121 LAT 01 29.9S LONG 154 58.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
9.	23.837	35.078	23.836	23.752
24.	23.691	35.106	23.685	23.816
39.	23.497	35.146	23.489	23.906
59.	23.548	35.209	23.535	23.942
98.	23.534	35.605	23.513	24.247
149.	14.622	35.078	14.600	26.119
201.	12.579	34.910	12.552	26.413
400.	10.504	34.770	10.455	26.695
600.	6.483	34.555	6.428	27.146
800.	5.398	34.545	5.330	27.275
1002.	4.667	34.550	4.586	27.366

CAST GP7-98-KA-0131 LAT 02 00.7S LONG 154 57.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	23.908	35.153	23.906	23.787
25.	23.799	35.136	23.793	23.807
41.	23.794	35.172	23.785	23.839
60.	23.842	35.196	23.830	23.843
100.	24.267	35.452	24.246	23.903
150.	13.865	35.089	13.843	26.289
200.	11.696	34.847	11.670	26.535
401.	9.914	34.734	9.868	26.768
601.	6.719	34.573	6.663	27.128
800.	5.374	34.543	5.306	27.277
1004.	4.550	34.554	4.470	27.382

CAST GP7-98-KA-0141 LAT 02 59.6S LONG 154 59.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	25.848	35.323	25.846	23.328
25.	25.780	35.333	25.775	23.357
40.	25.768	35.340	25.760	23.366
60.	25.694	35.355	25.681	23.399
101.	23.522	35.725	23.501	24.331
150.	14.286	35.127	14.264	26.230
200.	12.210	34.910	12.184	26.484
401.	9.988	34.745	9.941	26.763
598.	7.072	34.587	7.014	27.091
800.	5.673	34.546	5.603	27.244
1003.	4.631	34.550	4.550	27.368

CAST GP7-98-KA-0151 LAT 03 56.5S LONG 155 01.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	27.631	35.496	27.629	22.891
25.	27.632	35.498	27.626	22.893
40.	27.516	35.514	27.507	22.943
60.	26.954	35.543	26.940	23.145
101.	22.793	36.038	22.772	24.775
150.	14.023	35.073	14.001	26.242
200.	12.285	34.894	12.259	26.458
400.	10.063	34.746	10.016	26.753
600.	6.867	34.578	6.810	27.113
800.	5.507	34.541	5.438	27.259
1004.	4.447	34.545	4.368	27.386

CAST GP7-98-KA-0161 LAT 04 59.6S LONG 154 58.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	27.841	35.501	27.839	22.827
25.	27.791	35.500	27.785	22.843
39.	27.735	35.501	27.726	22.864
61.	26.603	35.555	26.589	23.271
100.	24.063	35.489	24.042	24.013
150.	16.733	35.297	16.709	25.821
200.	13.167	34.992	13.139	26.360
400.	9.477	34.712	9.432	26.822
603.	6.951	34.574	6.893	27.098
801.	5.309	34.538	5.242	27.281
1005.	4.325	34.549	4.246	27.401

CAST GP7-98-KA-0171 LAT 08 16.1S LONG 155 01.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
25.	28.298	35.229	28.292	22.471
40.	28.014	35.391	28.004	22.691
61.	27.496	35.667	27.481	23.052
100.	25.146	36.293	25.124	24.282
150.	20.954	35.859	20.925	25.186
199.	16.085	35.229	16.054	25.902
401.	8.574	34.650	8.532	26.916
600.	6.641	34.553	6.585	27.123
800.	5.241	34.529	5.174	27.281
1005.	4.193	34.542	4.115	27.411

CAST GP7-98-KA-0181 LAT 07 00.0S LONG 155 02.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	28.381	35.130	28.378	22.370
25.	28.387	35.134	28.381	22.370
59.	27.750	35.452	27.736	22.824
100.	23.386	36.176	23.365	24.721
150.	20.322	35.765	20.294	25.267
200.	15.819	35.193	15.788	25.946
401.	8.768	34.661	8.725	26.895
600.	6.588	34.562	6.533	27.136
800.	5.284	34.535	5.217	27.281
1006.	4.353	34.541	4.274	27.392

CAST GP7-98-KA-0191 LAT 05 59.8S LONG 155 03.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	28.334	35.229	28.332	22.467
25.	28.101	35.452	28.095	22.706
40.	28.042	35.452	28.033	22.727
60.	27.766	35.583	27.752	22.923
100.	23.255	35.563	23.235	24.293
151.	18.787	35.566	18.760	25.504
200.	14.216	35.093	14.187	26.220
402.	8.930	34.671	8.886	26.881
601.	6.970	34.574	6.913	27.096
801.	5.277	34.536	5.210	27.284
1003.	4.304	34.546	4.226	27.402

CAST GP7-98-KA-0212 LAT 00 47.2S LONG 155 08.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1000.	4.675	34.552	4.594	27.367
1001.	4.673	34.552	4.592	27.367
1001.	4.674	34.552	4.593	27.367
1251.	3.933	34.570	3.836	27.461
1500.	3.136	34.598	3.026	27.562
1751.	2.709	34.615	2.583	27.616
1999.	2.330	34.636	2.189	27.665
2250.	2.125	34.648	1.964	27.692
2500.	1.974	34.656	1.794	27.712
2750.	1.811	34.664	1.611	27.732
3002.	1.706	34.673	1.485	27.746

CAST GP7-98-KA-0221 LAT 00 02.3N LONG 155 01.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	25.906	34.658	25.905	22.808
10.	25.886	34.660	25.883	22.814
25.	24.232	34.787	24.227	23.408
40.	22.998	34.909	22.990	23.873
60.	21.601	34.974	21.589	24.313
100.	18.431	35.321	18.414	25.419
150.	16.511	35.230	16.487	25.811
200.	13.792	34.900	13.764	26.161
400.	10.247	34.728	10.199	26.705
600.	7.024	34.568	6.966	27.084
800.	5.741	34.548	5.671	27.236
1003.	4.841	34.549	4.759	27.346

CAST GP7-98-KA-0231 LAT 02 09.9S LONG 170 01.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	26.696	35.389	26.695	23.111
24.	26.672	35.389	26.667	23.120
61.	26.681	35.463	26.667	23.177
99.	26.392	35.481	26.369	23.281
150.	18.139	35.523	18.113	25.643
199.	13.696	35.080	13.668	26.317
399.	9.868	34.721	9.822	26.765
600.	6.910	34.581	6.853	27.108
800.	5.273	34.540	5.205	27.286
1004.	4.474	34.552	4.394	27.388

CAST GP7-98-KA-0241 LAT 02 59.7S LONG 170 01.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	26.663	35.381	26.663	23.115
9.	26.674	35.381	26.672	23.112
25.	26.678	35.381	26.672	23.112
40.	26.677	35.381	26.668	23.113
60.	26.684	35.463	26.670	23.112
148.	20.313	35.691	20.285	25.213
200.	14.695	35.176	14.665	26.179
402.	9.407	34.696	9.361	26.823
600.	6.935	34.580	6.878	27.105
798.	5.394	34.545	5.326	27.276
1001.	4.516	34.548	4.437	27.380

CAST GP7-98-KA-0251 LAT 04 00.1S LONG 170 00.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	26.905	35.469	26.904	23.104
10.	26.906	35.469	26.903	23.104
25.	26.897	35.469	26.892	23.108
42.	26.892	35.466	26.882	23.109
60.	26.891	35.465	26.877	23.111
99.	26.684	35.449	26.662	23.163
150.	17.695	35.442	17.670	25.694
201.	13.692	35.063	13.663	26.307
401.	9.274	34.695	9.229	26.843
601.	7.075	34.585	7.017	27.090
801.	5.768	34.543	5.698	27.229
1004.	4.699	34.537	4.617	27.352

CAST GP7-98-KA-0261 LAT 04 59.6S LONG 170 00.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.531	35.457	28.531	22.566
10.	28.450	35.455	28.447	22.591
25.	28.321	35.453	28.315	22.634
40.	28.300	35.454	28.291	22.642
60.	27.953	35.508	27.939	22.795
100.	26.424	35.864	26.402	23.562
150.	18.905	35.507	18.878	25.521
200.	13.967	35.103	13.938	26.279
401.	8.850	34.663	8.806	26.886
601.	7.132	34.576	7.073	27.075
800.	5.792	34.539	5.722	27.224
1003.	4.496	34.541	4.416	27.377

CAST GP7-98-KA-0271 LAT 05 59.7S LONG 170 01.1W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.003	35.235	29.002	22.242
10.	28.987	35.235	28.985	22.248
25.	28.973	35.235	28.967	22.254
40.	28.932	35.235	28.922	22.268
60.	28.827	35.259	28.813	22.325
100.	27.382	35.420	27.359	22.923
150.	23.037	36.131	23.007	24.784
200.	16.779	35.371	16.746	25.856
400.	9.349	34.697	9.305	26.833
600.	7.142	34.572	7.084	27.071
801.	5.673	34.540	5.603	27.239
1005.	4.553	34.542	4.473	27.373

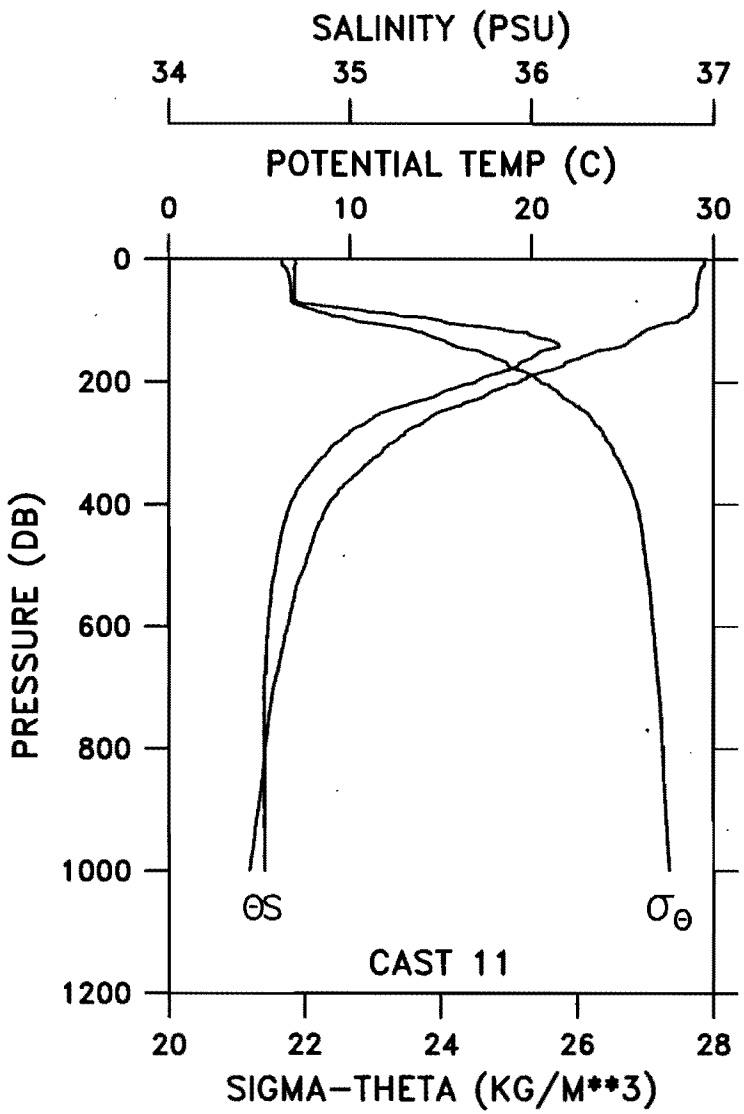
CAST GP7-98-KA-0281 LAT 06 59.6S LONG 170 01.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	29.007	35.223	29.007	22.231
10.	29.009	35.222	29.007	22.231
24.	29.011	35.222	29.005	22.231
39.	29.014	35.223	29.004	22.232
60.	28.996	35.228	28.982	22.244
100.	27.850	35.527	27.827	22.883
150.	22.455	36.094	22.424	24.929
200.	17.419	35.472	17.385	25.776
400.	8.789	34.660	8.746	26.892
600.	6.640	34.545	6.584	27.117
801.	5.297	34.537	5.229	27.281
1006.	4.442	34.545	4.362	27.385

CAST GP7-98-KA-0291 LAT 07 58.7S LONG 170 00.7W

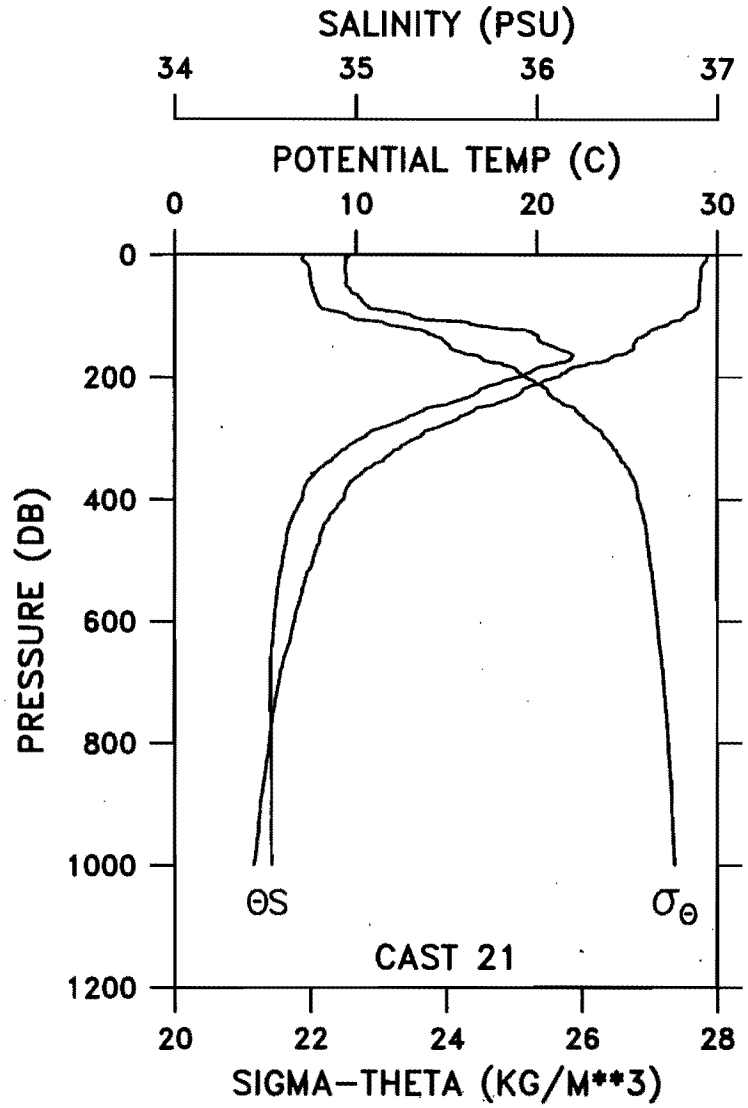
PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
10.	29.145	34.876	29.142	21.927
24.	29.128	34.879	29.122	21.935
40.	29.150	34.970	29.140	21.999
60.	28.848	35.258	28.834	22.313
99.	25.845	36.095	25.823	23.919
149.	22.117	36.014	22.087	24.963
200.	17.403	35.439	17.369	25.763
400.	8.709	34.656	8.666	26.902
601.	6.931	34.561	6.873	27.091
799.	5.518	34.534	5.450	27.253
1003.	4.501	34.532	4.421	27.369

GP8-98-KA
November 19–December 12, 1998
CTD and Hydrographic Data Summary



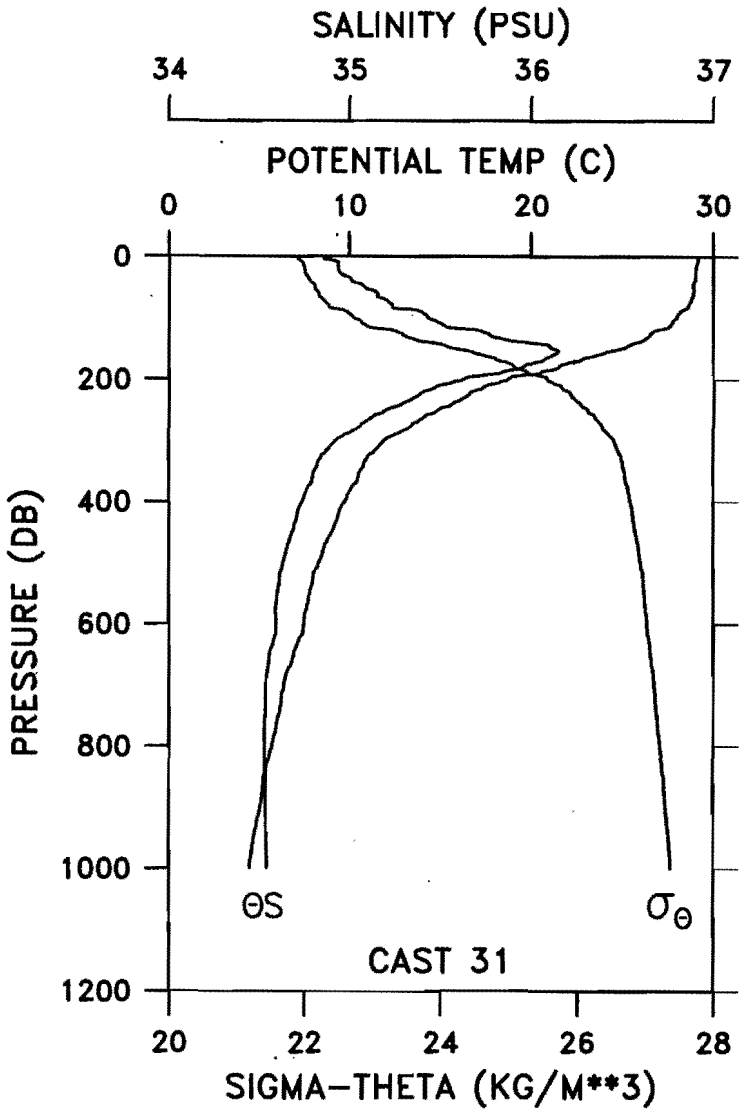
CAST GP8-98-KA-0011 DATE 22 NOV 98 TIME 0735 GMT
LAT 07 59.1S LONG 179 50.5W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 035 T SPD 05 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 28.5 WET 26.5 DEPTH 5541 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.525	34.701	21.666	0.000
10	29.499	34.700	21.674	0.061
20	29.278	34.695	21.744	0.122
30	29.196	34.697	21.774	0.183
40	29.138	34.694	21.791	0.243
50	29.115	34.695	21.799	0.303
60	29.103	34.697	21.804	0.364
70	29.099	34.711	21.816	0.424
80	28.976	34.969	22.051	0.483
90	28.685	35.250	22.360	0.540
100	28.101	35.504	22.743	0.593
110	26.769	35.742	23.352	0.642
120	26.067	35.977	23.752	0.686
130	25.563	36.083	23.989	0.727
140	25.088	36.149	24.185	0.765
150	23.527	36.049	24.577	0.802
160	22.701	36.004	24.783	0.835
170	21.811	35.932	24.981	0.866
180	21.109	35.874	25.131	0.896
190	19.962	35.762	25.354	0.924
200	19.333	35.691	25.465	0.950
250	14.832	35.178	26.147	1.063
300	12.313	34.922	26.469	1.151
350	10.376	34.775	26.712	1.227
400	8.820	34.670	26.889	1.293
450	8.044	34.620	26.969	1.352
500	7.523	34.591	27.023	1.410
550	6.940	34.564	27.084	1.464
600	6.547	34.546	27.123	1.516
650	6.171	34.536	27.164	1.566
700	5.756	34.526	27.209	1.615
750	5.516	34.525	27.237	1.661
800	5.285	34.525	27.266	1.707
900	4.938	34.528	27.308	1.795
1000	4.446	34.529	27.364	1.879
1005	4.401	34.530	27.370	1.883



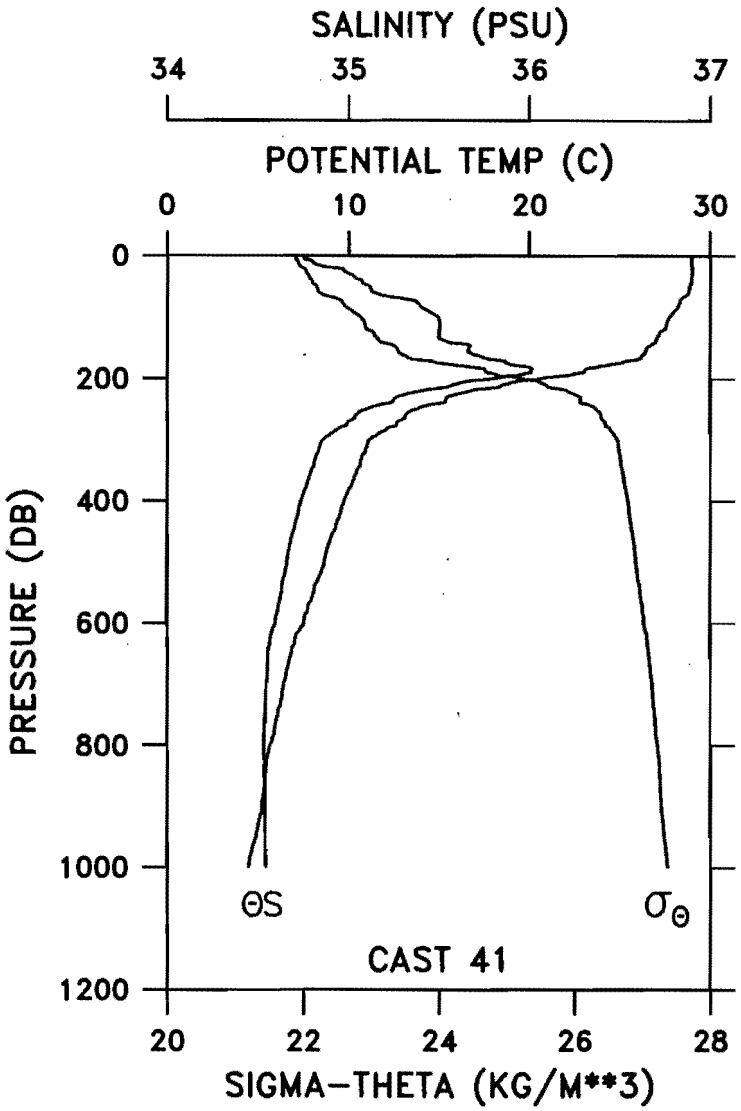
CAST GP8-98-KA-0021 DATE 22 NOV 98 TIME 1456 GMT
LAT 07 00.4S LONG 179 52.3W WEATHER 0 SEA STATE 3
BAROMETER 08 WIND DIR 180 T SPD 06 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 27.0 WET 24.7 DEPTH 5260 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.430	34.960	21.892	0.000
10	29.405	34.944	21.888	0.059
20	29.128	34.942	21.980	0.118
30	29.099	34.943	21.991	0.176
40	29.076	34.948	22.002	0.235
50	29.031	34.947	22.016	0.293
60	29.014	34.973	22.041	0.351
70	29.016	35.019	22.075	0.409
80	28.964	35.050	22.116	0.466
90	28.730	35.147	22.267	0.523
100	28.204	35.308	22.562	0.578
110	27.378	35.621	23.066	0.629
120	26.631	35.811	23.448	0.676
130	26.019	36.003	23.787	0.719
140	25.501	36.015	23.956	0.760
150	25.388	36.098	24.054	0.799
160	24.957	36.184	24.251	0.838
170	24.014	36.185	24.536	0.873
180	22.645	36.069	24.849	0.906
190	21.646	35.970	25.055	0.937
200	20.944	35.883	25.183	0.966
250	16.634	35.386	25.898	1.093
300	13.231	35.027	26.367	1.191
350	10.518	34.796	26.703	1.270
400	9.296	34.702	26.837	1.336
450	8.169	34.626	26.955	1.398
500	7.658	34.596	27.007	1.455
550	7.045	34.567	27.072	1.510
600	6.598	34.548	27.118	1.563
650	6.153	34.533	27.164	1.613
700	5.747	34.527	27.211	1.661
750	5.432	34.528	27.250	1.708
800	5.199	34.530	27.279	1.752
900	4.712	34.534	27.338	1.838
1000	4.337	34.534	27.380	1.920
1006	4.324	34.534	27.381	1.925



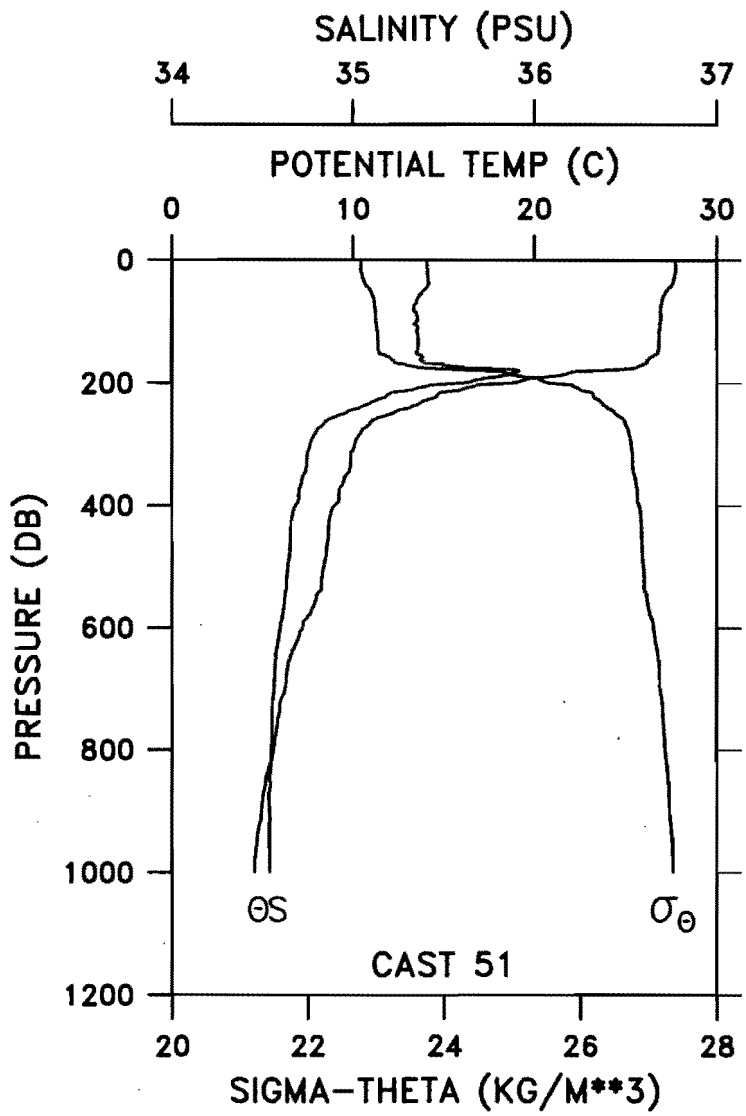
CAST GP8-98-KA-0031 DATE 22 NOV 98 TIME 2216 GMT
LAT 05 59.9S LONG 179 53.6W WEATHER 2 SEA STATE 3
BAROMETER 09 WIND DIR 270 T SPD 09 KT VISIBILITY 7
CLOUD 8 AMOUNT 8 DRY 26.5 WET 25.0 DEPTH 4902 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	29.167	34.862	21.907	0.000
10	29.133	34.939	21.976	0.059
20	29.042	34.941	22.008	0.117
30	29.034	34.962	22.027	0.175
40	28.977	35.018	22.087	0.233
50	28.910	35.085	22.161	0.290
60	28.898	35.155	22.216	0.347
70	28.791	35.194	22.282	0.403
80	28.638	35.235	22.363	0.458
90	28.181	35.396	22.635	0.512
100	27.972	35.435	22.733	0.564
110	27.721	35.508	22.870	0.615
120	26.820	35.710	23.313	0.664
130	26.439	35.790	23.493	0.709
140	25.764	35.984	23.852	0.752
150	24.928	36.123	24.214	0.791
160	23.609	36.118	24.605	0.827
170	22.538	36.056	24.869	0.859
180	21.486	35.952	25.087	0.889
190	20.426	35.831	25.284	0.918
200	18.706	35.625	25.575	0.943
250	14.851	35.201	26.161	1.052
300	11.893	34.923	26.551	1.139
350	10.566	34.803	26.700	1.213
400	9.737	34.737	26.791	1.282
450	9.037	34.681	26.863	1.347
500	8.292	34.631	26.940	1.409
550	7.819	34.601	26.987	1.467
600	7.474	34.592	27.031	1.525
650	6.899	34.555	27.083	1.580
700	6.359	34.536	27.140	1.632
750	6.024	34.531	27.179	1.682
800	5.672	34.527	27.220	1.731
900	5.046	34.536	27.302	1.821
1000	4.464	34.541	27.372	1.904
1004	4.422	34.542	27.377	1.908



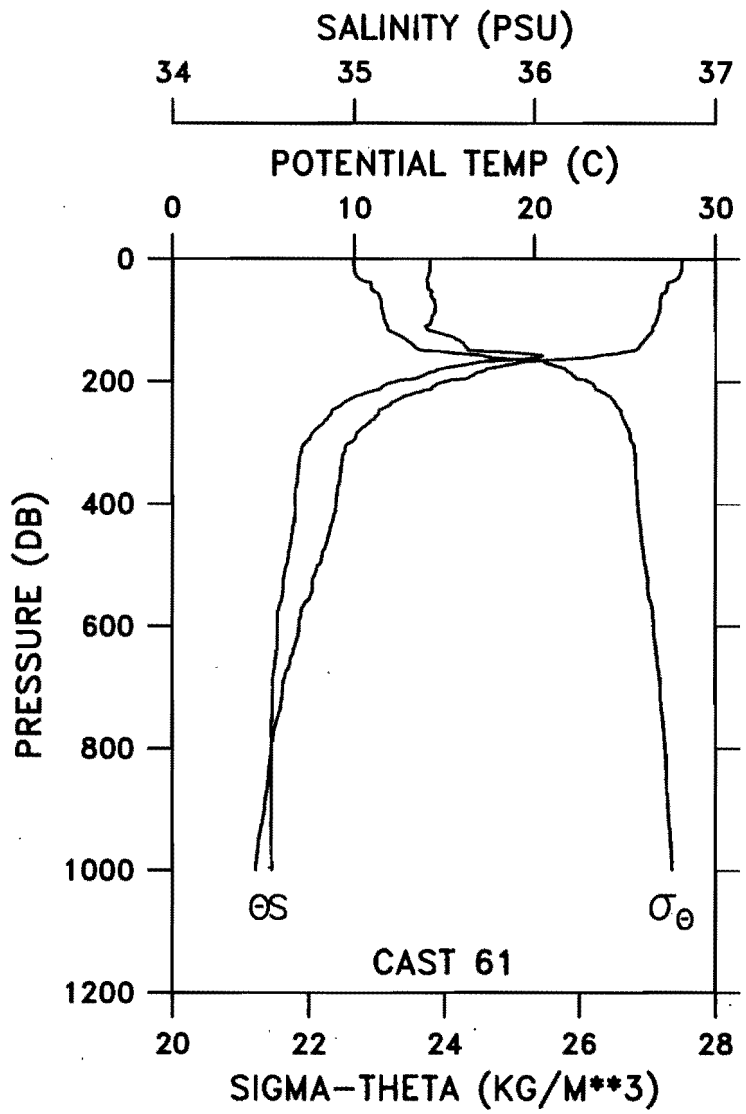
CAST GP8-98-KA-0041 DATE 23 NOV 98 TIME 0601 GMT
LAT 04 59.1S LONG 179 53.0W WEATHER 1 SEA STATE 3
BAROMETER 07 WIND DIR 100 T SPD 01 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 26.2 WET 25.1 DEPTH 5632 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.982	34.754	21.887	0.000
10	28.987	34.802	21.922	0.059
20	29.047	34.945	22.009	0.118
30	29.014	35.011	22.070	0.176
40	28.974	35.075	22.131	0.233
50	28.867	35.118	22.199	0.290
60	28.791	35.145	22.245	0.346
70	28.376	35.319	22.513	0.401
80	28.268	35.393	22.605	0.454
90	28.015	35.443	22.725	0.506
100	27.754	35.497	22.851	0.557
110	27.608	35.505	22.904	0.608
120	27.431	35.500	22.958	0.658
130	27.114	35.496	23.057	0.706
140	26.983	35.547	23.138	0.755
150	26.490	35.664	23.382	0.801
160	26.349	35.688	23.445	0.847
170	25.639	35.837	23.779	0.891
180	23.839	35.991	24.441	0.930
190	22.899	35.997	24.721	0.963
200	20.490	35.791	25.236	0.994
250	13.649	35.091	26.332	1.102
300	11.106	34.856	26.644	1.183
350	10.449	34.793	26.713	1.255
400	9.733	34.736	26.791	1.323
450	9.164	34.693	26.852	1.389
500	8.653	34.660	26.907	1.452
550	8.087	34.627	26.968	1.512
600	7.523	34.593	27.024	1.570
650	6.833	34.555	27.091	1.625
700	6.411	34.546	27.141	1.677
750	6.068	34.537	27.178	1.727
800	5.640	34.531	27.227	1.775
900	5.197	34.536	27.284	1.867
1000	4.469	34.541	27.371	1.952
1004	4.449	34.542	27.374	1.955



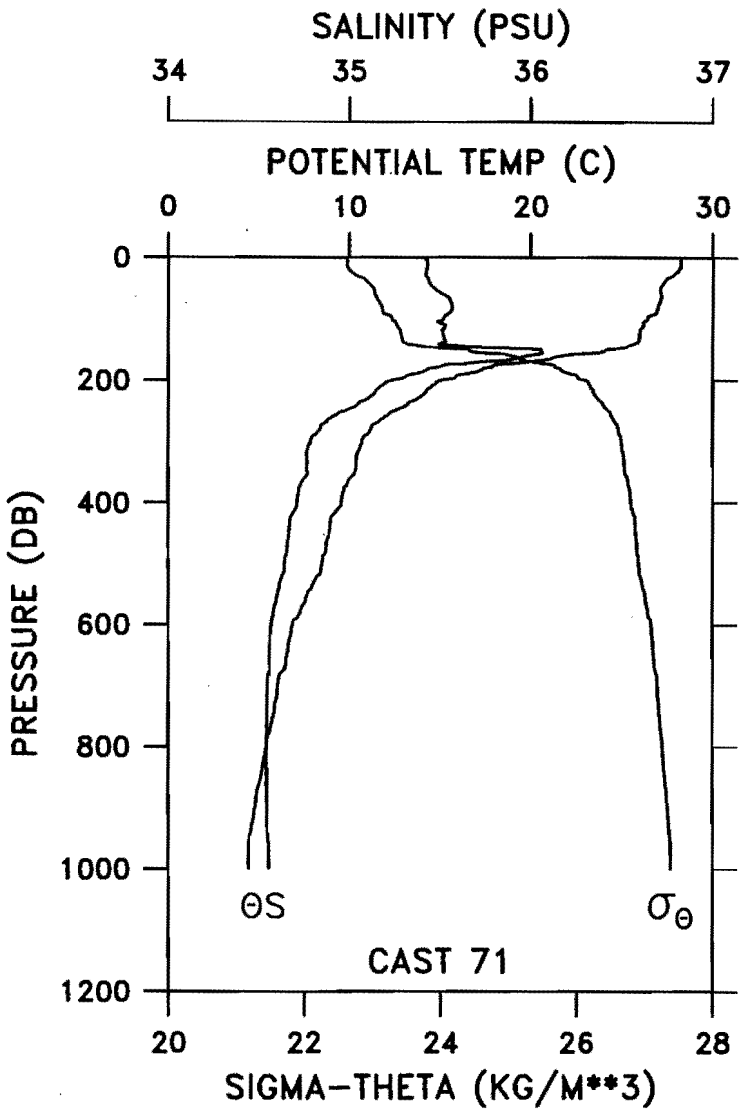
CAST GP8-98-KA-0051 DATE 23 NOV 98 TIME 1332 GMT
LAT 04 00.4S LONG 179 54.9W WEATHER 0 SEA STATE 3
BAROMETER 09 WIND DIR 020 T SPD 14 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 26.7 WET 24.0 DEPTH 6006 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.743	35.412	22.791	0.000
10	27.745	35.412	22.790	0.051
20	27.743	35.413	22.791	0.101
30	27.655	35.416	22.822	0.152
40	27.556	35.418	22.856	0.202
50	27.243	35.389	22.935	0.252
60	27.054	35.361	22.975	0.301
70	26.988	35.348	22.986	0.350
80	26.924	35.335	22.996	0.399
90	26.941	35.353	23.005	0.448
100	26.917	35.352	23.011	0.497
110	26.903	35.360	23.022	0.546
120	26.850	35.357	23.037	0.595
130	26.850	35.360	23.039	0.643
140	26.838	35.360	23.043	0.692
150	26.769	35.349	23.056	0.741
160	26.285	35.379	23.232	0.789
170	25.914	35.502	23.441	0.835
180	22.856	35.918	24.673	0.877
190	20.677	35.792	25.186	0.908
200	18.719	35.602	25.554	0.934
250	12.151	34.951	26.523	1.027
300	10.105	34.763	26.750	1.098
350	9.650	34.726	26.798	1.165
400	8.980	34.681	26.872	1.230
450	8.648	34.655	26.904	1.291
500	8.388	34.639	26.932	1.352
550	7.989	34.622	26.979	1.412
600	7.203	34.597	27.073	1.469
650	6.504	34.570	27.147	1.521
700	6.209	34.560	27.178	1.571
750	5.814	34.550	27.221	1.619
800	5.569	34.546	27.248	1.665
900	4.935	34.537	27.315	1.754
1000	4.542	34.537	27.360	1.837
1006	4.465	34.541	27.372	1.842



CAST GP8-98-KA-0061 DATE 23 NOV 98 TIME 2129 GMT
LAT 03 00.1S LONG 179 55.3W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 023 T SPD 05 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 27.0 WET 23.5 DEPTH 5404 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.173	35.422	22.657	0.000
10	28.146	35.421	22.666	0.052
20	28.121	35.420	22.673	0.104
30	27.959	35.408	22.717	0.155
40	27.354	35.410	22.915	0.206
50	27.314	35.419	22.935	0.255
60	27.017	35.424	23.034	0.304
70	26.969	35.445	23.065	0.353
80	26.946	35.448	23.075	0.401
90	26.858	35.441	23.098	0.449
100	26.764	35.430	23.119	0.497
110	26.542	35.393	23.162	0.545
120	26.452	35.462	23.242	0.592
130	26.163	35.564	23.410	0.638
140	25.879	35.610	23.534	0.683
150	25.322	35.697	23.771	0.726
160	23.184	36.023	24.658	0.763
170	19.067	35.665	25.514	0.791
180	17.273	35.463	25.805	0.815
190	16.565	35.382	25.911	0.837
200	14.994	35.225	26.148	0.858
250	11.357	34.875	26.613	0.941
300	9.732	34.732	26.788	1.011
350	9.251	34.690	26.835	1.075
400	9.017	34.674	26.861	1.139
450	8.590	34.657	26.914	1.201
500	8.028	34.626	26.976	1.261
550	7.597	34.603	27.022	1.318
600	6.942	34.575	27.092	1.372
650	6.527	34.566	27.141	1.424
700	6.059	34.551	27.191	1.474
750	5.761	34.545	27.223	1.522
800	5.432	34.545	27.264	1.567
900	5.057	34.543	27.307	1.656
1000	4.571	34.545	27.363	1.740
1004	4.569	34.545	27.363	1.743

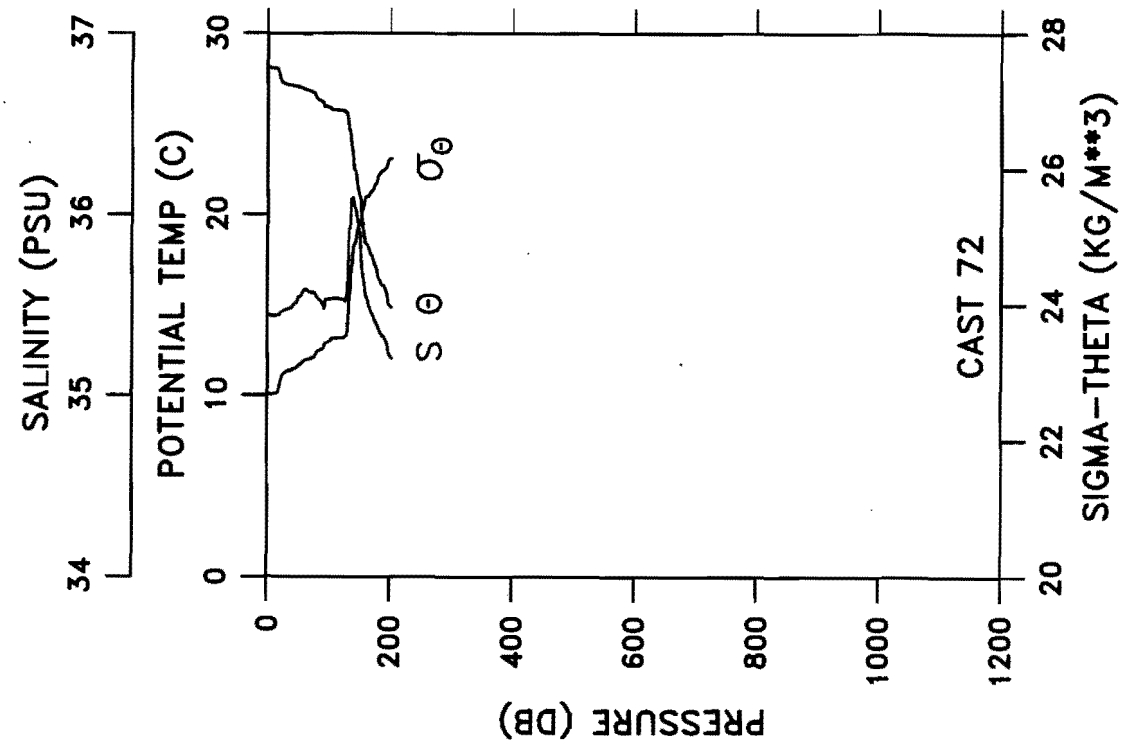


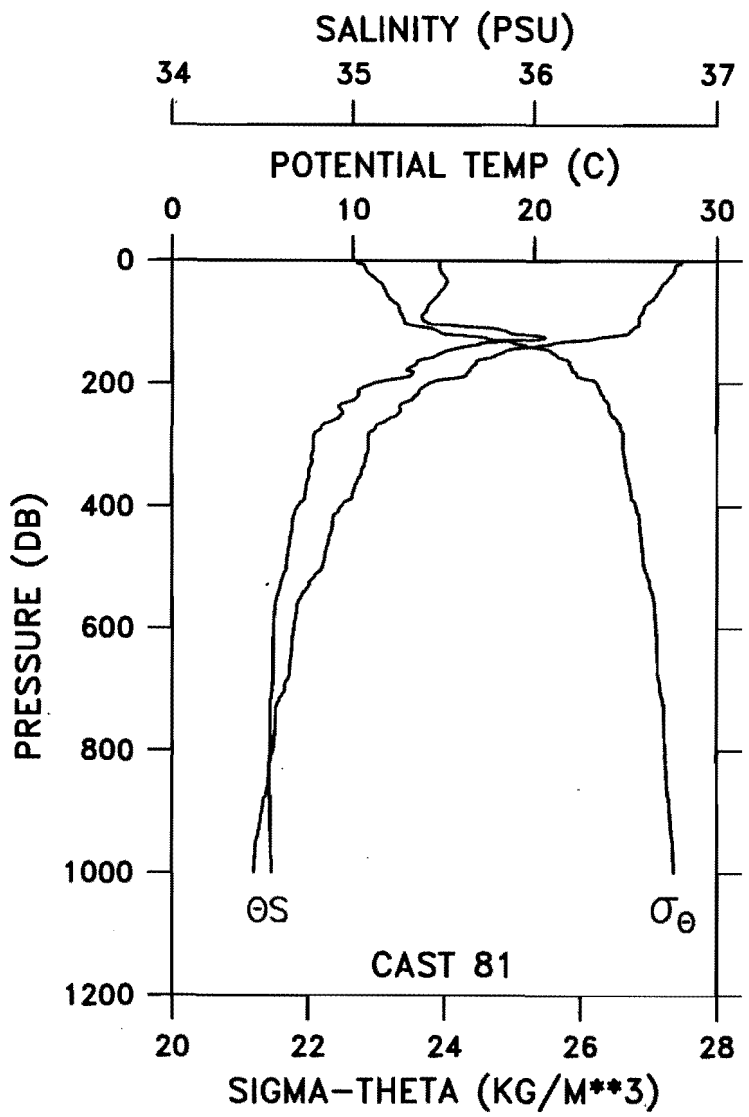
CAST GP8-98-KA-0071 DATE 24 NOV 98 TIME 0949 GMT
LAT 02 02.1S LONG 179 58.6W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 034 T SPD 16 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 26.3 WET 23.3 DEPTH 5397 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.249	35.423	22.633	0.000
10	28.255	35.431	22.637	0.052
20	28.134	35.425	22.673	0.104
30	27.780	35.422	22.786	0.155
40	27.355	35.440	22.937	0.205
50	27.138	35.470	23.030	0.254
60	27.181	35.515	23.050	0.303
70	27.137	35.555	23.094	0.351
80	27.004	35.567	23.146	0.399
90	26.897	35.551	23.168	0.446
100	26.412	35.516	23.295	0.493
110	26.209	35.528	23.368	0.538
120	25.998	35.513	23.423	0.584
130	25.979	35.520	23.434	0.629
140	25.707	35.499	23.503	0.674
150	24.094	36.059	24.417	0.715
160	21.606	35.976	25.071	0.748
170	19.731	35.716	25.381	0.776
180	17.412	35.449	25.761	0.800
190	16.202	35.346	25.968	0.823
200	15.023	35.234	26.148	0.843
250	12.509	34.975	26.471	0.932
300	10.706	34.785	26.661	1.007
350	10.330	34.769	26.715	1.078
400	9.552	34.709	26.800	1.146
450	8.887	34.664	26.874	1.210
500	8.491	34.640	26.917	1.272
550	7.668	34.600	27.009	1.332
600	6.850	34.567	27.099	1.387
650	6.526	34.558	27.135	1.439
700	6.017	34.546	27.192	1.488
750	5.779	34.544	27.220	1.536
800	5.393	34.540	27.265	1.582
900	4.753	34.544	27.342	1.669
1000	4.399	34.553	27.388	1.749
1500	3.074	34.596	27.556	2.108
2000	2.088	34.640	27.676	2.395
2500	1.726	34.658	27.719	2.644
3000	1.485	34.669	27.746	2.882
3500	1.270	34.681	27.771	3.109
4000	1.090	34.693	27.793	3.329
4005	1.090	34.693	27.793	3.331

CAST GP8-98-KA-0072 DATE 24 NOV 98 TIME 2146 GMT
LAT 01 59.8S LONG 179 54.0W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 074 T SPD 09 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 26.5 WET 26.5 DEPTH 5345 M

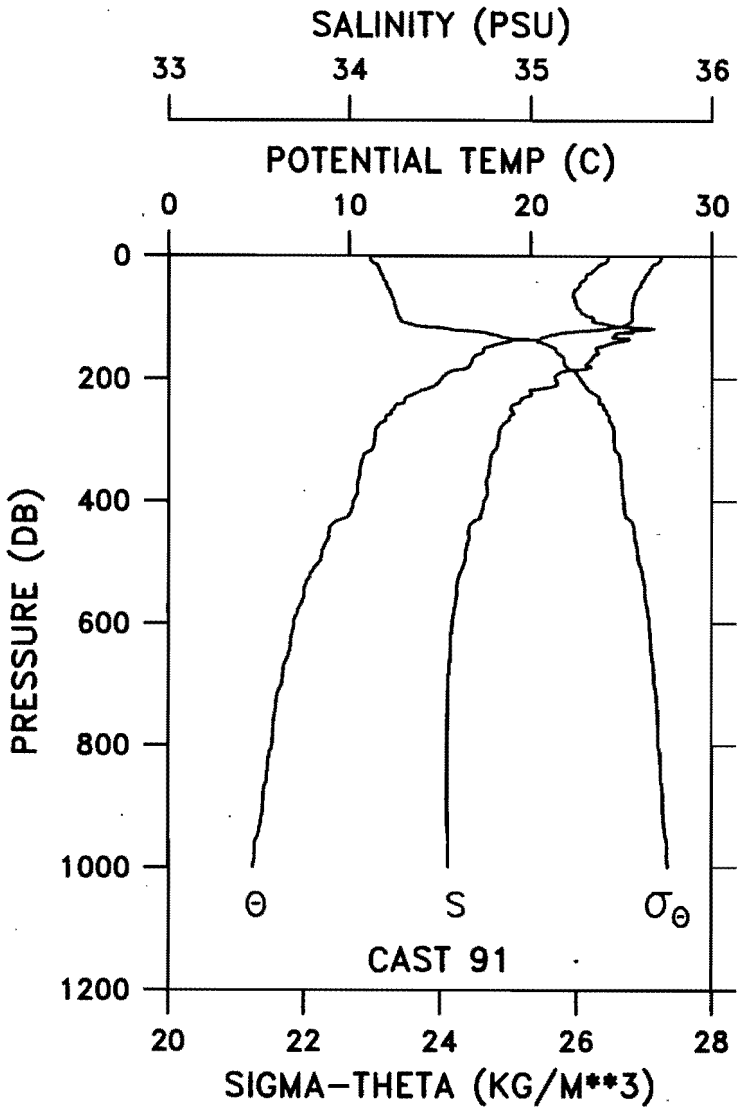
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.136	35.440	22.683	0.000
10	28.105	35.440	22.693	0.052
20	27.651	35.451	22.850	0.103
30	27.196	35.471	23.012	0.152
40	27.138	35.489	23.044	0.200
50	27.056	35.539	23.108	0.248
60	26.928	35.582	23.181	0.296
70	26.822	35.567	23.203	0.343
80	26.473	35.544	23.297	0.390
90	26.201	35.500	23.349	0.435
100	25.945	35.531	23.453	0.480
110	25.785	35.534	23.505	0.525
120	25.759	35.530	23.510	0.569
130	25.486	35.587	23.638	0.613
140	22.634	36.062	24.847	0.650
150	20.991	35.907	25.189	0.680
160	18.400	35.549	25.594	0.706
170	17.721	35.447	25.684	0.730
180	16.562	35.370	25.903	0.753
190	15.991	35.316	25.993	0.774
200	14.920	35.211	26.153	0.794
202	14.854	35.203	26.161	0.798





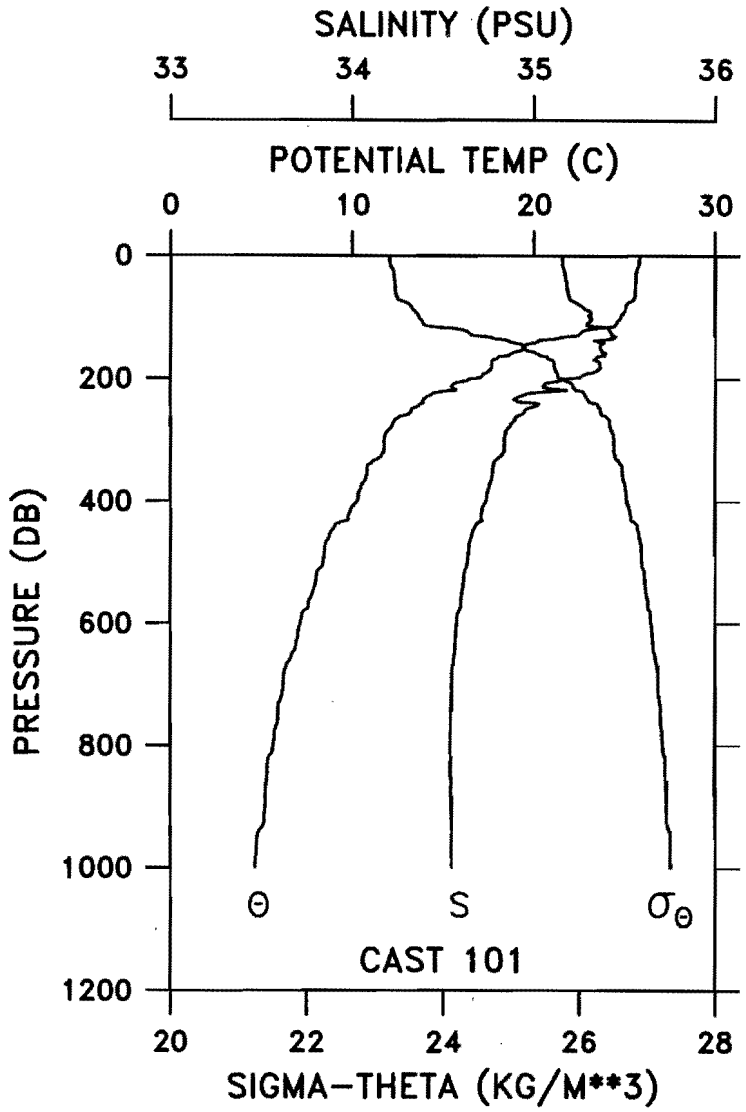
CAST GP8-98-KA-0081 DATE 25 NOV 98 TIME 0207 GMT
LAT 01 30.0S LONG 179 54.9W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 070 T SPD 08 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.5 WET 23.2 DEPTH 5230 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.069	35.478	22.734	0.000
10	27.732	35.475	22.842	0.051
20	27.614	35.486	22.888	0.101
30	27.328	35.514	23.001	0.150
40	27.003	35.508	23.102	0.198
50	26.798	35.481	23.147	0.246
60	26.571	35.453	23.198	0.293
70	26.158	35.420	23.303	0.339
80	25.976	35.406	23.349	0.385
90	25.761	35.379	23.396	0.430
100	25.724	35.396	23.420	0.475
110	25.396	35.764	23.799	0.519
120	25.006	35.890	24.014	0.560
130	22.186	35.896	24.848	0.594
140	19.985	35.617	25.238	0.624
150	18.238	35.491	25.590	0.649
160	17.247	35.398	25.762	0.673
170	16.705	35.344	25.849	0.695
180	16.415	35.314	25.894	0.717
190	15.856	35.290	26.004	0.738
200	14.139	35.109	26.243	0.757
250	12.466	34.937	26.450	0.844
300	10.873	34.781	26.628	0.919
350	10.443	34.755	26.684	0.992
400	9.389	34.697	26.818	1.061
450	8.689	34.653	26.896	1.124
500	8.306	34.630	26.937	1.185
550	7.093	34.577	27.073	1.242
600	6.701	34.560	27.114	1.294
650	6.534	34.556	27.133	1.346
700	6.211	34.552	27.171	1.396
750	5.692	34.540	27.228	1.444
800	5.549	34.540	27.246	1.490
900	4.980	34.541	27.314	1.580
1000	4.524	34.549	27.372	1.662
1006	4.522	34.550	27.372	1.667



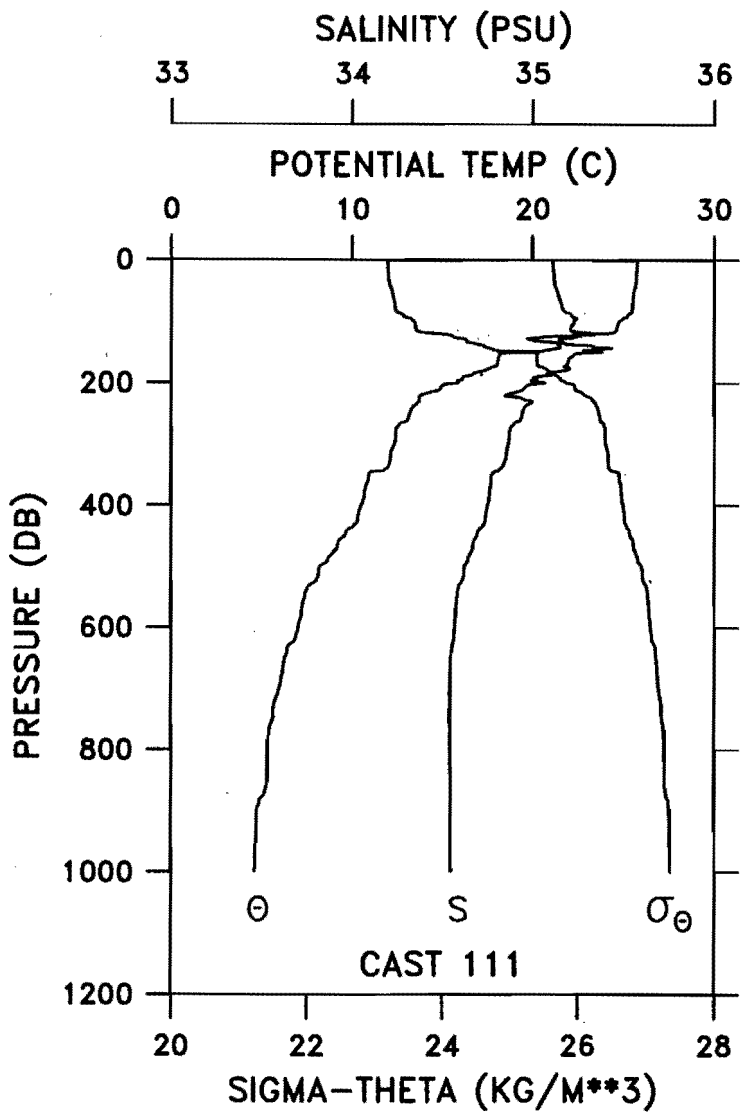
CAST GP8-98-KA-0091 DATE 25 NOV 98 TIME 0624 GMT
LAT 00 59.8S LONG 179 54.4W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 065 T SPD 08 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.2 WET 24.4 DEPTH 5356 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.196	35.428	22.980	0.000
10	27.066	35.412	23.009	0.049
20	26.662	35.361	23.100	0.097
30	26.375	35.305	23.148	0.144
40	26.220	35.288	23.184	0.191
50	26.035	35.262	23.222	0.238
60	25.818	35.235	23.269	0.284
70	25.699	35.241	23.311	0.331
80	25.642	35.250	23.335	0.376
90	25.605	35.274	23.365	0.422
100	25.643	35.344	23.406	0.467
110	25.351	35.407	23.543	0.512
120	23.695	35.598	24.186	0.553
130	20.960	35.464	24.860	0.587
140	18.632	35.466	25.472	0.615
150	17.401	35.358	25.694	0.640
160	17.129	35.357	25.759	0.663
170	16.768	35.326	25.820	0.685
180	16.600	35.333	25.866	0.708
190	15.437	35.156	25.996	0.729
200	15.086	35.135	26.058	0.749
250	12.442	34.886	26.416	0.840
300	11.408	34.822	26.563	0.919
350	10.592	34.771	26.670	0.993
400	10.237	34.742	26.710	1.065
450	8.911	34.659	26.865	1.133
500	8.349	34.637	26.936	1.195
550	7.533	34.593	27.023	1.253
600	6.944	34.569	27.087	1.307
650	6.647	34.559	27.120	1.360
700	6.266	34.549	27.162	1.410
750	5.860	34.543	27.209	1.459
800	5.742	34.540	27.222	1.507
900	5.218	34.539	27.285	1.598
1000	4.658	34.547	27.355	1.683
1006	4.645	34.546	27.356	1.688



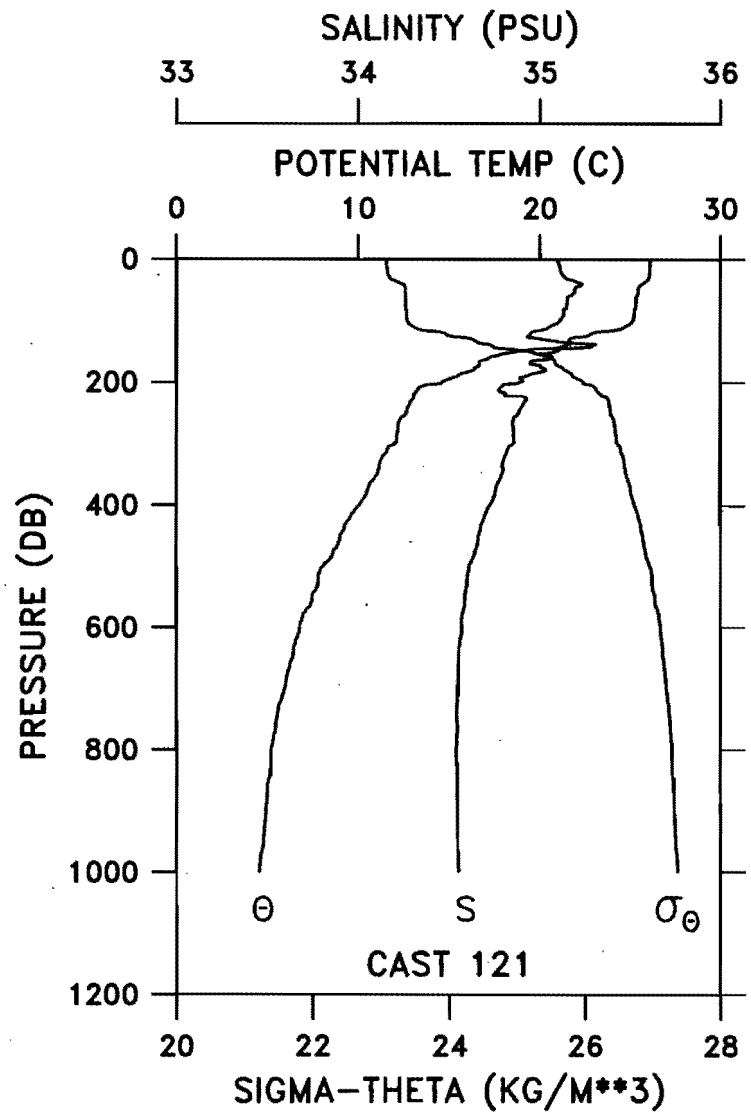
CAST GP8-98-KA-0101 DATE 25 NOV 98 TIME 1050 GMT
LAT 00 30.0S LONG 179 53.9W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 051 T SPD 12 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 25.0 WET 23.0 DEPTH 4656 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.816	35.155	23.209	0.000
10	25.810	35.158	23.214	0.047
20	25.706	35.164	23.250	0.093
30	25.641	35.172	23.277	0.139
40	25.619	35.179	23.288	0.185
50	25.609	35.183	23.295	0.231
60	25.594	35.188	23.303	0.277
70	25.523	35.198	23.333	0.323
80	25.074	35.254	23.512	0.368
90	24.972	35.309	23.585	0.412
100	24.763	35.312	23.651	0.455
110	24.536	35.295	23.706	0.497
120	22.961	35.415	24.261	0.538
130	22.281	35.437	24.473	0.574
140	20.180	35.356	24.987	0.606
150	19.380	35.364	25.203	0.634
160	18.693	35.387	25.396	0.662
170	17.686	35.336	25.608	0.687
180	17.671	35.363	25.632	0.711
190	17.407	35.322	25.664	0.735
200	16.513	35.174	25.764	0.759
250	13.253	34.955	26.308	0.860
300	11.757	34.839	26.510	0.943
350	10.831	34.774	26.631	1.021
400	10.281	34.736	26.698	1.093
450	8.851	34.663	26.879	1.161
500	8.405	34.633	26.924	1.222
550	7.823	34.603	26.988	1.281
600	7.151	34.574	27.062	1.338
650	6.669	34.561	27.118	1.391
700	6.212	34.546	27.167	1.442
750	5.913	34.542	27.202	1.490
800	5.636	34.541	27.235	1.538
900	5.212	34.545	27.290	1.628
1000	4.660	34.547	27.355	1.713
1005	4.659	34.546	27.354	1.717



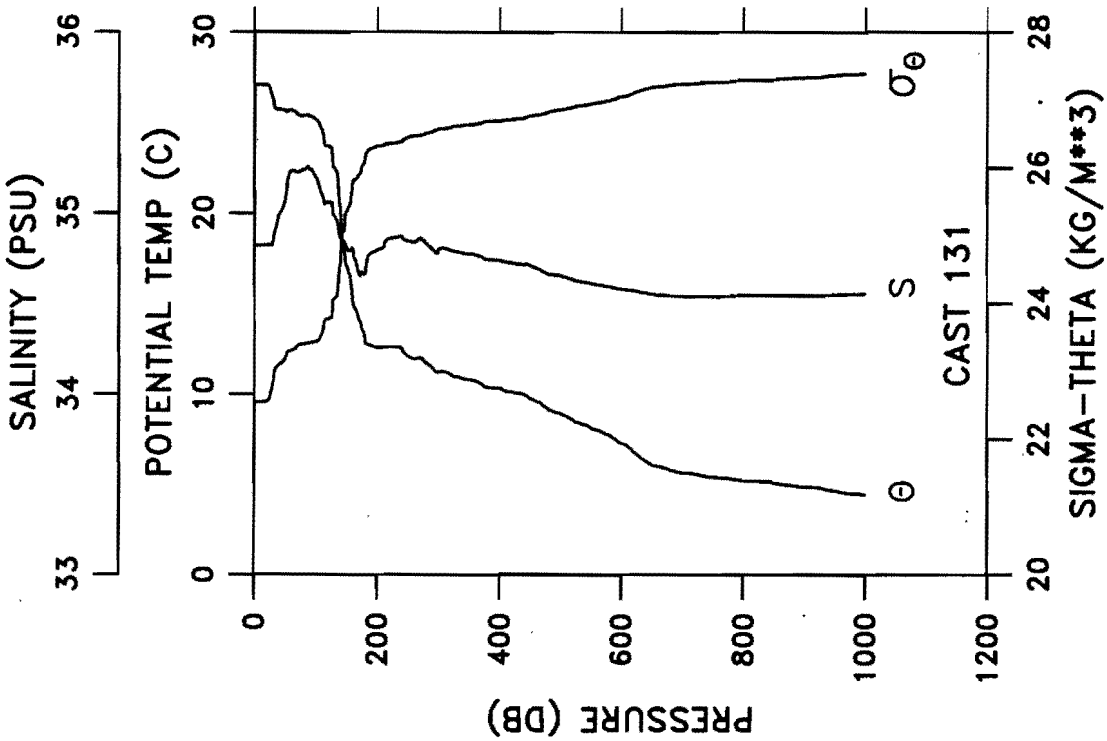
CAST GP8-98-KA-0111 DATE 25 NOV 98 TIME 1722 GMT
LAT 00 02.0S LONG 179 53.8W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 076 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 25.1 WET 22.9 DEPTH 5402 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.773	35.111	23.189	0.000
10	25.772	35.113	23.191	0.047
20	25.745	35.117	23.203	0.094
30	25.737	35.118	23.206	0.140
40	25.702	35.123	23.220	0.187
50	25.609	35.137	23.260	0.233
60	25.574	35.145	23.277	0.280
70	25.544	35.157	23.295	0.326
80	25.524	35.167	23.309	0.372
90	25.256	35.217	23.429	0.417
100	24.767	35.228	23.586	0.461
110	24.662	35.210	23.604	0.505
120	23.805	35.364	23.976	0.547
130	21.499	34.999	24.358	0.585
140	21.462	35.333	24.622	0.620
150	19.327	35.354	25.209	0.652
160	18.108	35.202	25.401	0.679
170	18.033	35.190	25.411	0.705
180	17.333	35.175	25.570	0.730
190	16.146	35.015	25.727	0.754
200	15.875	35.069	25.830	0.777
250	13.164	34.945	26.317	0.873
300	12.365	34.867	26.416	0.959
350	10.937	34.774	26.611	1.041
400	10.511	34.752	26.670	1.115
450	9.604	34.692	26.779	1.186
500	8.229	34.621	26.942	1.250
550	7.396	34.584	27.035	1.308
600	7.012	34.570	27.078	1.362
650	6.254	34.549	27.164	1.414
700	5.961	34.544	27.197	1.463
750	5.590	34.540	27.241	1.510
800	5.308	34.545	27.279	1.555
900	4.720	34.548	27.349	1.642
1000	4.597	34.549	27.364	1.724
1004	4.587	34.549	27.365	1.727



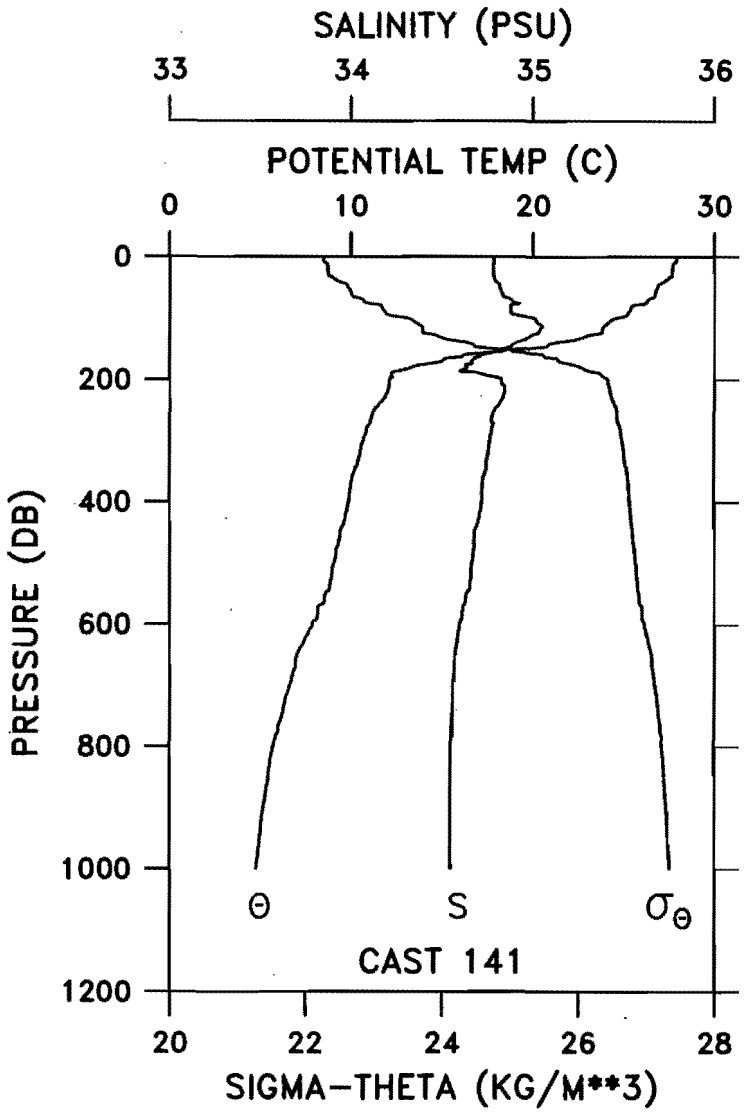
CAST GP8-98-KA-0121 DATE 26 NOV 98 TIME 1123 GMT
LAT 01 00.2N LONG 179 51.3W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 073 T SPD 11 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 25.0 WET 23.0 DEPTH 5843 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.089	35.098	23.081	0.000
10	26.088	35.108	23.089	0.048
20	26.070	35.115	23.100	0.095
30	26.018	35.139	23.135	0.143
40	25.642	35.235	23.324	0.190
50	25.408	35.186	23.359	0.235
60	25.318	35.156	23.364	0.280
70	25.297	35.148	23.365	0.326
80	25.251	35.142	23.374	0.371
90	25.204	35.130	23.379	0.416
100	25.108	35.108	23.392	0.462
110	24.654	35.050	23.486	0.507
120	22.842	34.946	23.940	0.549
130	21.593	35.015	24.344	0.588
140	21.344	35.282	24.616	0.623
150	18.643	35.083	25.177	0.655
160	17.194	35.065	25.519	0.681
170	16.636	34.947	25.560	0.706
180	16.321	35.030	25.697	0.730
190	15.438	34.921	25.815	0.753
200	14.596	34.885	25.972	0.774
250	12.652	34.881	26.371	0.865
300	11.988	34.849	26.475	0.948
350	11.025	34.788	26.607	1.026
400	10.072	34.724	26.724	1.099
450	9.019	34.660	26.849	1.165
500	8.092	34.608	26.952	1.228
550	7.473	34.586	27.026	1.285
600	6.794	34.569	27.108	1.339
650	6.394	34.553	27.149	1.391
700	5.971	34.546	27.198	1.440
750	5.525	34.541	27.250	1.486
800	5.259	34.540	27.280	1.531
900	4.943	34.546	27.322	1.618
1000	4.578	34.551	27.367	1.701
1004	4.569	34.551	27.368	1.705



CAST GP8-98-KA-0131 DATE 26 NOV 98 TIME 1935 GMT
LAT 02 00.2N LONG 179 49.5W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 120 T SPD 09 KT VISIBILITY 7
CLOUD 8 AMOUNT 5 DRY 26.6 WET 23.4 DEPTH 5471 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.108	34.821	22.550	0.000
10	27.107	34.824	22.553	0.053
20	27.094	34.825	22.558	0.106
30	26.319	34.839	22.814	0.158
40	25.741	34.992	23.110	0.206
50	25.658	35.068	23.193	0.254
60	25.693	35.232	23.306	0.300
70	25.447	35.226	23.377	0.345
80	25.378	35.239	23.408	0.391
90	25.323	35.242	23.427	0.436
100	25.160	35.196	23.442	0.480
110	24.572	35.103	23.550	0.525
120	23.707	35.059	23.774	0.567
130	22.476	34.984	24.073	0.608
140	20.233	34.858	24.593	0.645
150	17.068	34.810	25.353	0.674
160	15.138	34.806	25.793	0.699
170	14.145	34.664	25.898	0.721
180	12.985	34.665	26.135	0.742
190	12.673	34.780	26.288	0.760
200	12.575	34.797	26.320	0.778
250	12.104	34.847	26.451	0.863
300	11.240	34.799	26.575	0.943
350	10.798	34.773	26.636	1.018
400	10.342	34.739	26.690	1.090
450	9.754	34.712	26.769	1.161
500	8.948	34.656	26.857	1.227
550	8.153	34.611	26.946	1.290
600	7.282	34.582	27.050	1.348
650	6.061	34.553	27.192	1.399
700	5.633	34.542	27.237	1.446
750	5.388	34.540	27.265	1.492
800	5.195	34.545	27.292	1.536
900	4.844	34.545	27.333	1.622
1000	4.401	34.554	27.389	1.703
1011	4.374	34.553	27.391	1.712

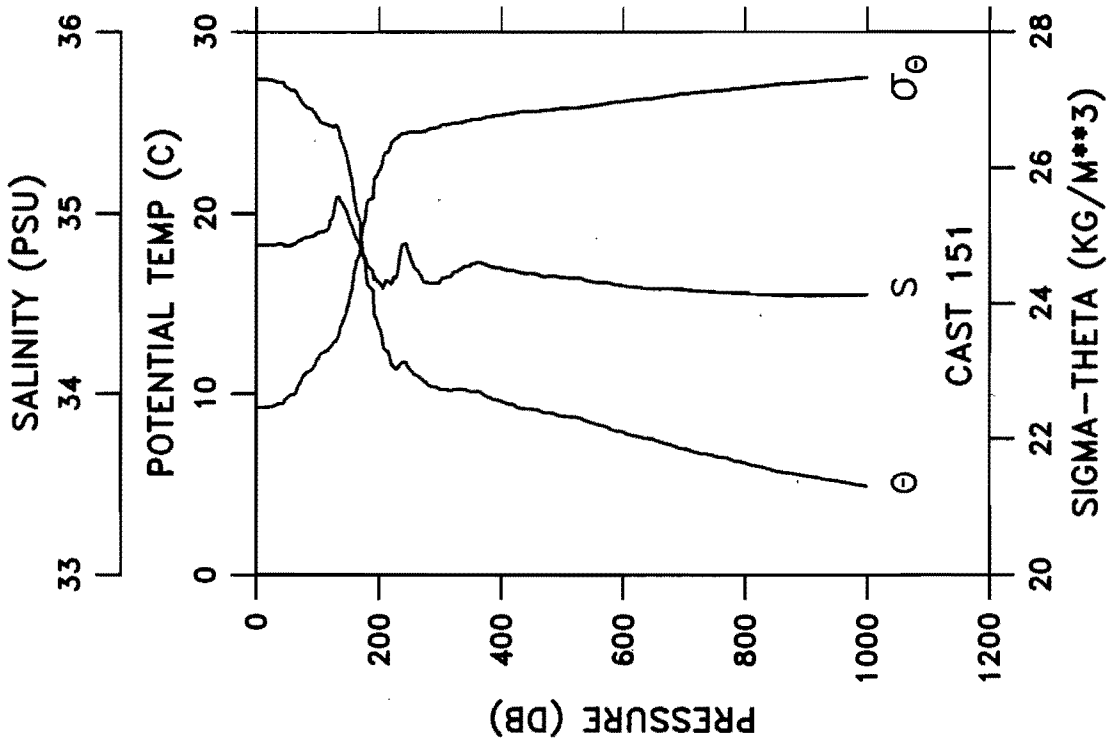


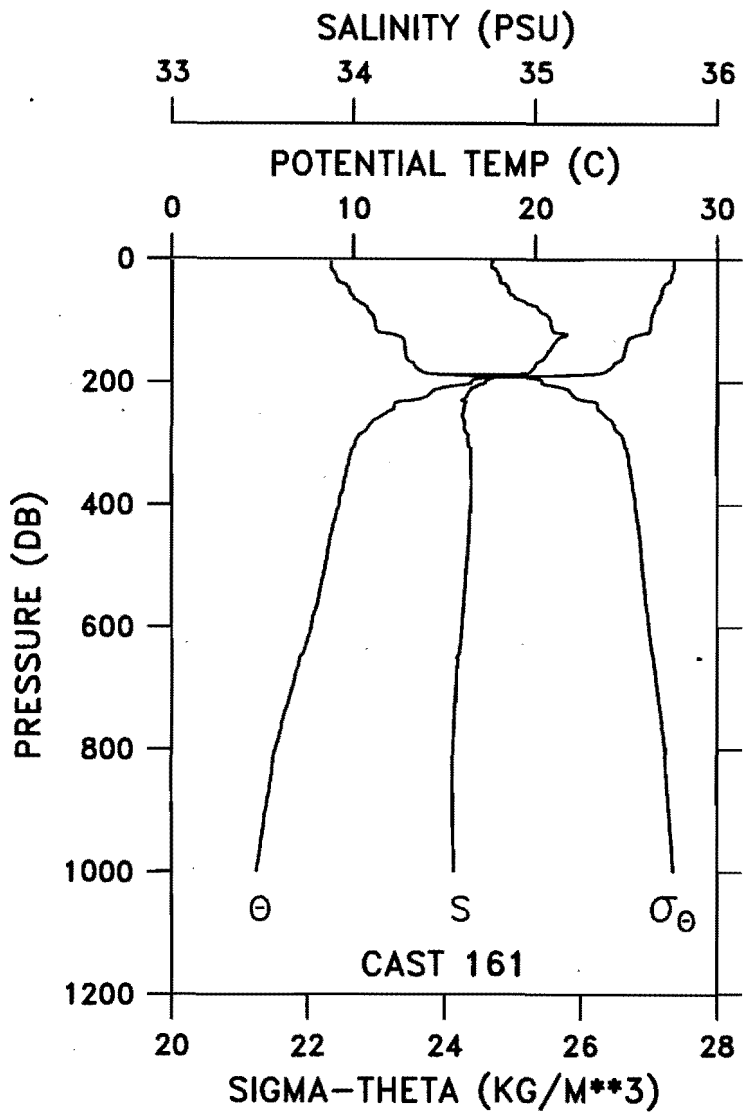
CAST GP8-98-KA-0141 DATE 27 NOV 98 TIME 0310 GMT
LAT 02 59.6N LONG 179 51.2W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 122 T SPD 16 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 26.5 WET 24.0 DEPTH 5663 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.910	34.786	22.265	0.000
10	27.780	34.784	22.306	0.056
20	27.689	34.783	22.335	0.111
30	27.663	34.783	22.343	0.166
40	27.230	34.796	22.493	0.220
50	26.847	34.818	22.631	0.273
60	26.734	34.833	22.678	0.325
70	26.334	34.882	22.842	0.376
80	25.429	34.877	23.120	0.425
90	25.267	34.877	23.169	0.473
100	24.489	35.009	23.504	0.519
110	24.014	35.037	23.667	0.563
120	23.806	35.033	23.726	0.605
130	22.839	34.977	23.964	0.646
140	21.161	34.905	24.379	0.685
150	19.345	34.823	24.799	0.719
160	16.218	34.718	25.481	0.748
170	15.005	34.664	25.713	0.772
180	13.322	34.637	26.047	0.793
190	12.228	34.707	26.318	0.812
200	12.131	34.826	26.430	0.829
250	11.263	34.785	26.561	0.909
300	10.695	34.764	26.647	0.984
350	10.182	34.740	26.718	1.055
400	9.885	34.718	26.752	1.125
450	9.439	34.679	26.796	1.192
500	9.095	34.665	26.841	1.259
550	8.628	34.636	26.892	1.323
600	7.902	34.599	26.974	1.384
650	7.058	34.575	27.076	1.441
700	6.621	34.561	27.125	1.494
750	6.196	34.556	27.177	1.545
800	5.732	34.549	27.230	1.593
900	5.189	34.545	27.293	1.684
1000	4.783	34.549	27.343	1.770
1006	4.713	34.550	27.351	1.775

CAST GP8-98-KA-0151 DATE 27 NOV 98 TIME 1032 GMT
LAT 03 59.8N LONG 179 53.3W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 134 T SPD 18 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 26.2 WET 24.5 DEPTH 5703 M

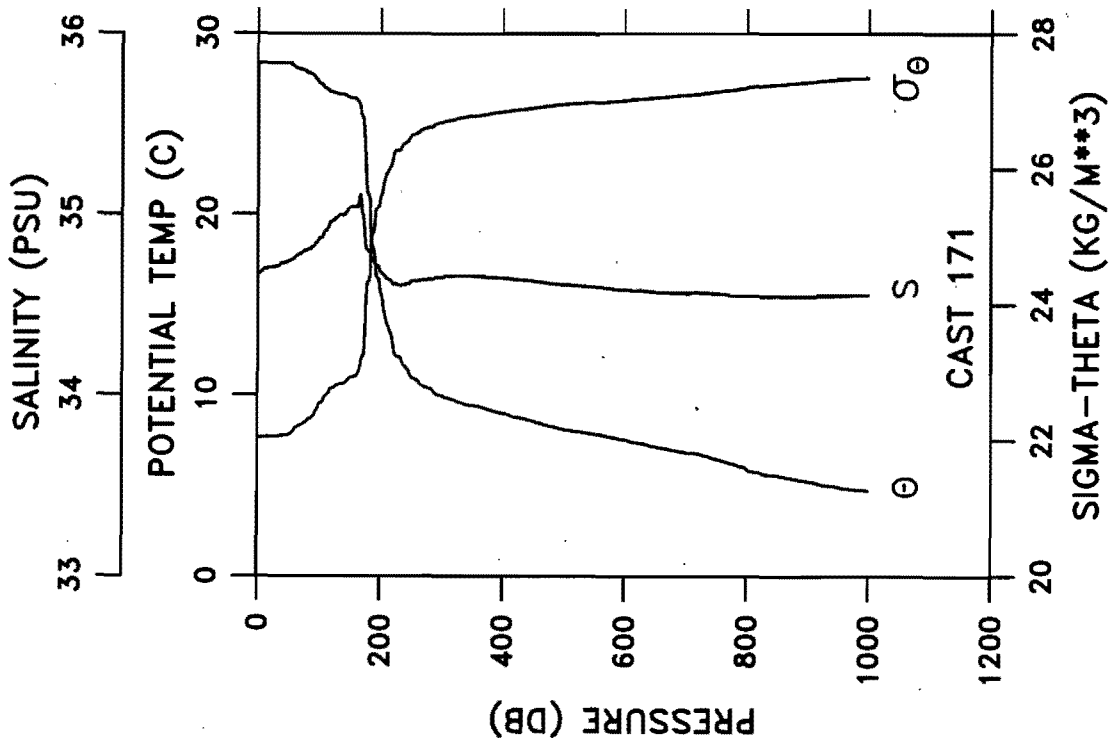
PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.377	34.824	22.466	0.000
10	27.377	34.825	22.467	0.054
20	27.362	34.825	22.472	0.107
30	27.301	34.824	22.491	0.161
40	27.218	34.831	22.523	0.214
50	26.924	34.822	22.610	0.267
60	26.795	34.829	22.656	0.320
70	26.375	34.851	22.806	0.371
80	25.921	34.865	22.958	0.421
90	25.741	34.873	23.020	0.470
100	25.288	34.895	23.176	0.518
110	24.955	34.901	23.282	0.565
120	24.880	34.963	23.351	0.611
130	24.849	35.078	23.448	0.656
140	23.898	35.053	23.713	0.700
150	22.732	34.981	23.998	0.741
160	20.668	34.882	24.496	0.779
170	18.883	34.802	24.901	0.812
180	16.271	34.721	25.471	0.840
190	15.699	34.669	25.562	0.865
200	13.658	34.617	25.963	0.887
250	11.358	34.766	26.528	0.973
300	10.235	34.623	26.617	1.050
350	10.112	34.719	26.714	1.122
400	9.592	34.695	26.783	1.191
450	9.147	34.668	26.835	1.257
500	8.748	34.643	26.879	1.321
550	8.389	34.620	26.917	1.384
600	7.861	34.599	26.980	1.444
650	7.459	34.581	27.025	1.501
700	6.932	34.576	27.094	1.557
750	6.528	34.565	27.140	1.609
800	6.159	34.555	27.181	1.660
900	5.425	34.545	27.265	1.755
1000	4.869	34.547	27.332	1.844
1004	4.862	34.547	27.332	1.847





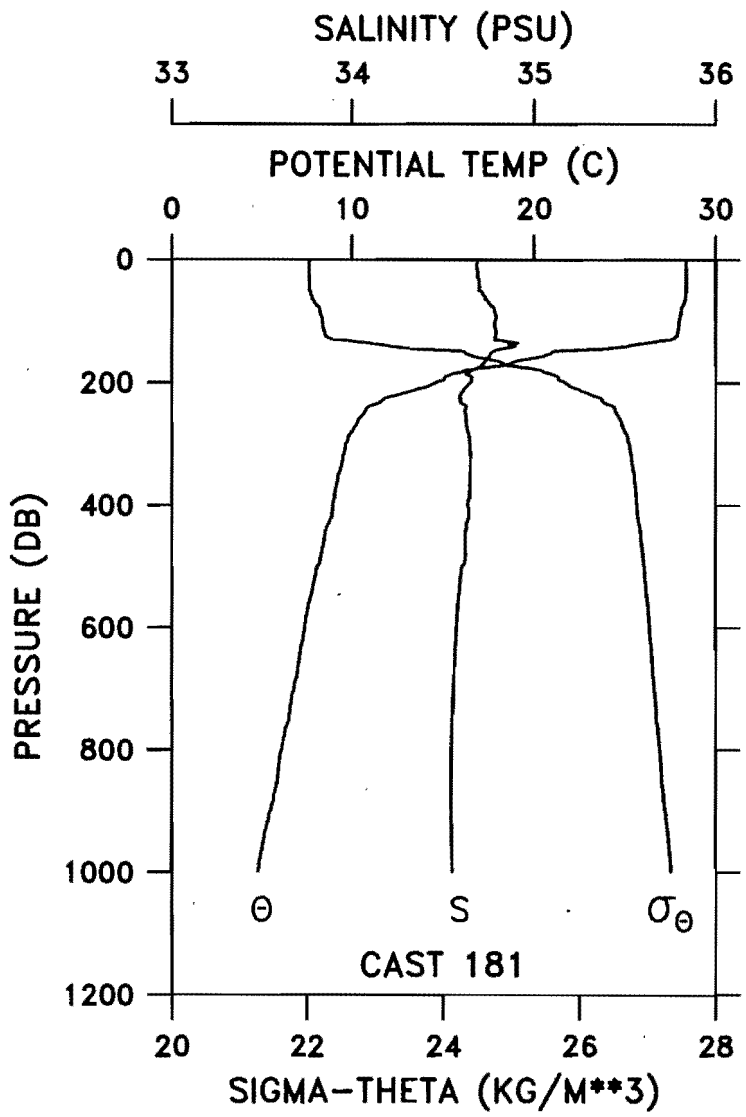
CAST GP8-98-KA-0161 DATE 27 NOV 98 TIME 1747 GMT
LAT 04 57.6N LONG 179 57.3W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 147 T SPD 20 KT VISIBILITY 6
CLOUD 8 AMOUNT 4 DRY 25.5 WET 24.4 DEPTH 5376 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.621	34.764	22.343	0.000
10	27.611	34.757	22.341	0.055
20	27.559	34.792	22.383	0.110
30	27.471	34.805	22.422	0.164
40	27.131	34.830	22.550	0.218
50	26.983	34.852	22.614	0.271
60	26.880	34.885	22.671	0.323
70	26.740	34.946	22.762	0.375
80	26.554	35.014	22.872	0.425
90	26.434	35.061	22.945	0.475
100	26.361	35.084	22.985	0.525
110	26.349	35.085	22.990	0.574
120	26.086	35.136	23.111	0.623
130	25.129	35.122	23.396	0.669
140	24.988	35.094	23.418	0.714
150	24.889	35.067	23.428	0.759
160	24.808	35.049	23.439	0.804
170	24.325	35.002	23.548	0.849
180	23.987	34.978	23.630	0.893
190	20.060	34.736	24.546	0.934
200	16.470	34.725	25.429	0.961
250	11.782	34.601	26.321	1.066
300	10.113	34.633	26.647	1.145
350	9.620	34.648	26.741	1.215
400	9.243	34.646	26.802	1.282
450	8.764	34.636	26.871	1.347
500	8.475	34.622	26.905	1.409
550	8.119	34.610	26.950	1.470
600	7.697	34.598	27.003	1.529
650	7.069	34.571	27.072	1.585
700	6.632	34.566	27.127	1.638
750	6.123	34.554	27.185	1.689
800	5.683	34.549	27.236	1.737
900	5.169	34.547	27.297	1.828
1000	4.675	34.553	27.358	1.913
1005	4.671	34.552	27.358	1.917



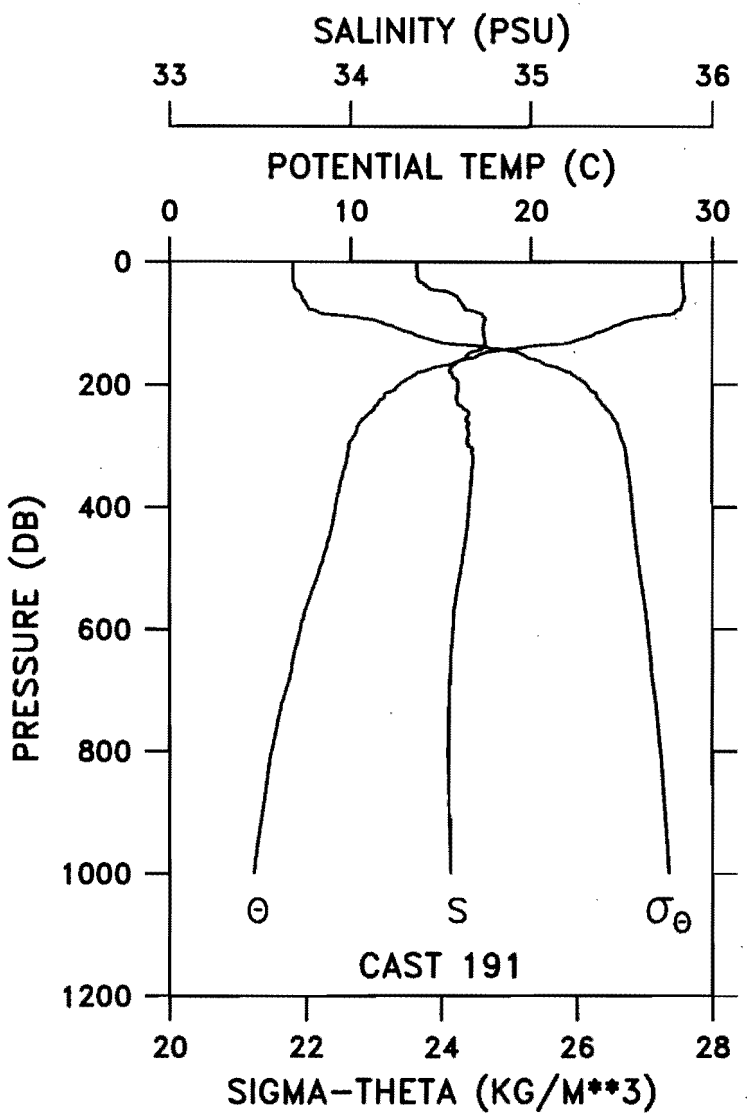
CAST GP8-98-KA-0171 DATE 28 NOV 98 TIME 0225 GMT
LAT 06 00.0N LONG 179 54.4W WEATHER 5 SEA STATE 4
BAROMETER 07 WIND DIR 145 T SPD 19 KT VISIBILITY 7
CLOUD 7 AMOUNT 8 DRY 26.8 WET 24.6 DEPTH 5498 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.357	34.672	22.033	0.000
10	28.373	34.694	22.044	0.058
20	28.383	34.704	22.049	0.116
30	28.384	34.710	22.053	0.173
40	28.387	34.728	22.065	0.231
50	28.380	34.738	22.075	0.289
60	28.171	34.758	22.159	0.346
70	28.028	34.782	22.224	0.403
80	27.881	34.796	22.282	0.459
90	27.708	34.819	22.356	0.514
100	27.253	34.861	22.534	0.569
110	26.987	34.905	22.652	0.622
120	26.757	34.958	22.766	0.673
130	26.668	34.984	22.814	0.725
140	26.628	34.994	22.834	0.775
150	26.446	35.034	22.921	0.826
160	26.383	35.039	22.944	0.876
170	25.445	35.017	23.220	0.924
180	21.035	34.795	24.330	0.966
190	17.824	34.730	25.109	0.999
200	15.592	34.679	25.594	1.025
250	11.016	34.627	26.482	1.121
300	9.977	34.647	26.681	1.196
350	9.428	34.656	26.780	1.264
400	8.985	34.646	26.843	1.330
450	8.556	34.629	26.898	1.392
500	8.085	34.608	26.953	1.453
550	7.818	34.596	26.984	1.512
600	7.538	34.582	27.014	1.569
650	7.173	34.571	27.057	1.625
700	6.828	34.562	27.097	1.680
750	6.461	34.561	27.146	1.732
800	5.919	34.549	27.207	1.782
900	5.246	34.546	27.287	1.875
1000	4.736	34.553	27.351	1.960
1003	4.728	34.553	27.352	1.963



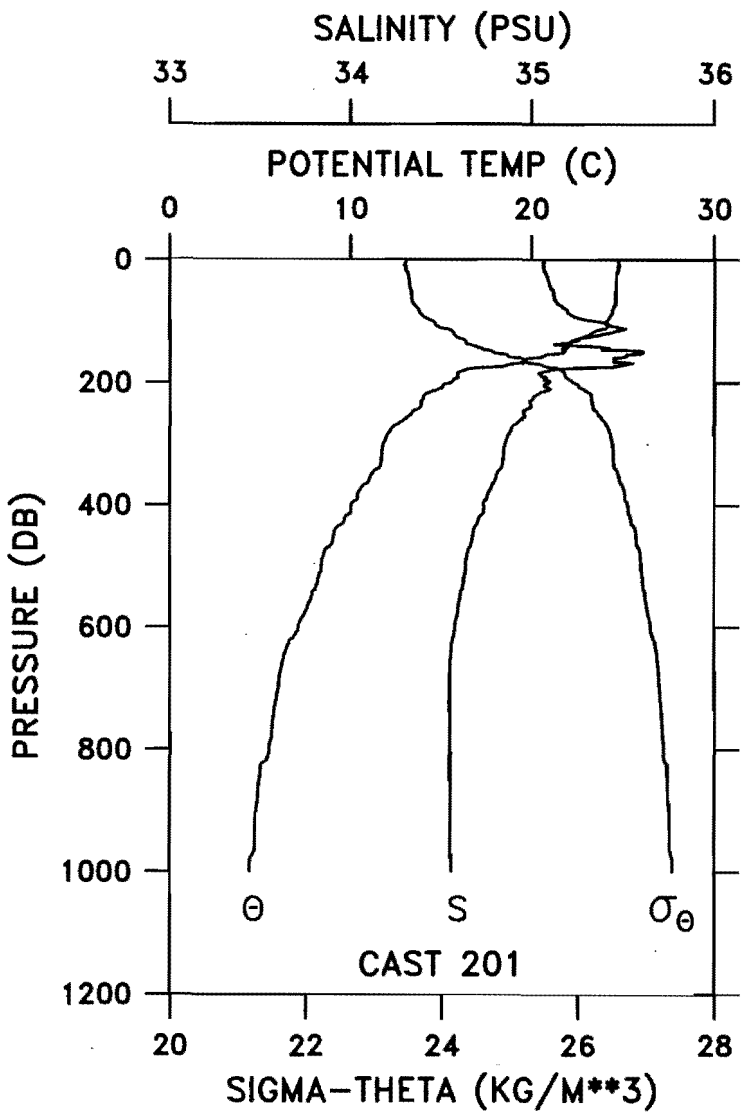
CAST GP8-98-KA-0181 DATE 28 NOV 98 TIME 0933 GMT
LAT 07 00.0N LONG 179 53.4W WEATHER 1 SEA STATE 4
BAROMETER 10 WIND DIR 131 T SPD 18 KT VISIBILITY 7
CLOUD AMOUNT 9 DRY 27.0 WET 24.2 DEPTH 5824 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.383	34.688	22.037	0.000
10	28.377	34.684	22.036	0.058
20	28.389	34.691	22.037	0.116
30	28.386	34.691	22.038	0.174
40	28.387	34.698	22.043	0.231
50	28.389	34.696	22.040	0.289
60	28.338	34.734	22.086	0.347
70	28.277	34.752	22.120	0.405
80	28.117	34.783	22.196	0.462
90	28.079	34.791	22.214	0.518
100	28.005	34.786	22.234	0.574
110	27.976	34.787	22.244	0.631
120	27.905	34.791	22.271	0.687
130	27.434	34.786	22.419	0.743
140	25.184	34.899	23.211	0.793
150	21.002	34.771	24.320	0.835
160	19.932	34.743	24.585	0.871
170	18.572	34.720	24.917	0.903
180	16.166	34.658	25.447	0.932
190	15.118	34.659	25.684	0.956
200	14.583	34.647	25.791	0.980
250	10.651	34.624	26.546	1.071
300	9.660	34.649	26.736	1.143
350	9.241	34.651	26.806	1.210
400	8.945	34.636	26.842	1.275
450	8.510	34.623	26.900	1.338
500	8.085	34.604	26.951	1.399
550	7.712	34.585	26.991	1.457
600	7.383	34.572	27.028	1.514
650	7.076	34.565	27.066	1.570
700	6.774	34.556	27.100	1.624
750	6.500	34.550	27.132	1.676
800	6.093	34.545	27.181	1.727
900	5.456	34.544	27.260	1.823
1000	4.783	34.550	27.343	1.910
1003	4.768	34.550	27.345	1.913



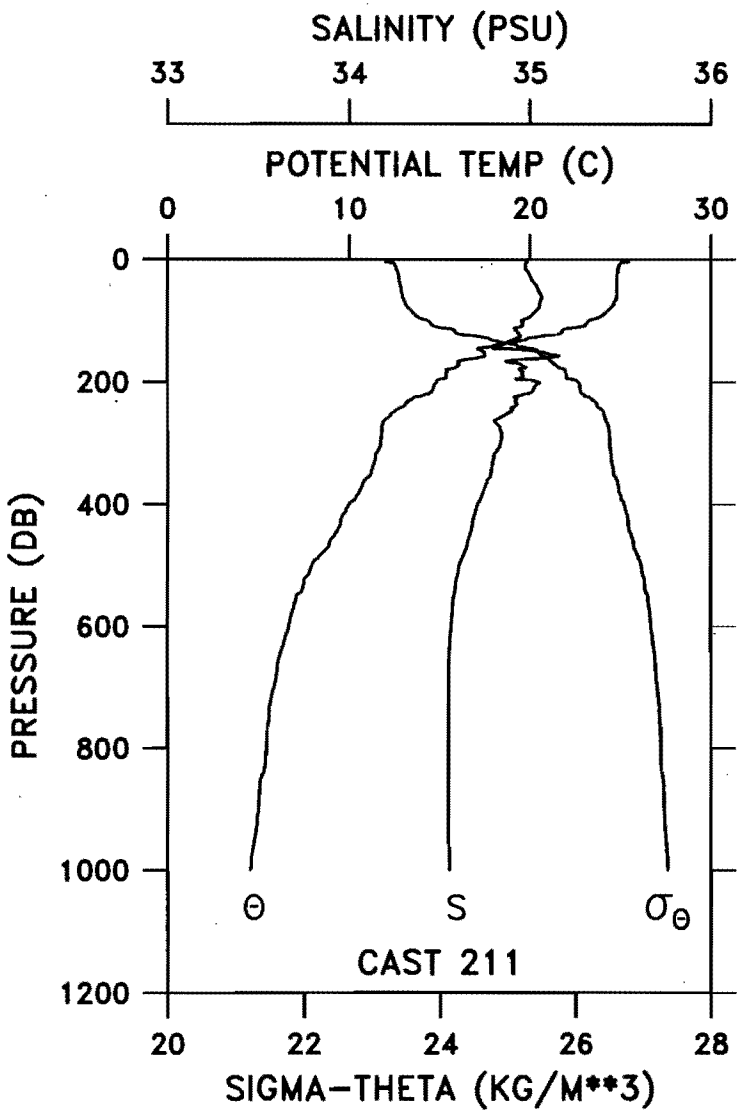
CAST GP8-98-KA-0191 DATE 28 NOV 98 TIME 1755 GMT
LAT 08 02.1N LONG 179 52.6W WEATHER 1 SEA STATE 4
BAROMETER 09 WIND DIR 141 T SPD 16 KT VISIBILITY 7
CLOUD 6 AMOUNT 7 DRY 27.1 WET 24.8 DEPTH 5906 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.337	34.363	21.808	0.000
10	28.333	34.365	21.810	0.060
20	28.344	34.370	21.811	0.120
30	28.344	34.374	21.814	0.180
40	28.384	34.416	21.832	0.240
50	28.425	34.547	21.917	0.300
60	28.436	34.597	21.951	0.359
70	28.316	34.618	22.006	0.417
80	27.961	34.680	22.169	0.475
90	26.225	34.744	22.772	0.530
100	24.970	34.736	23.153	0.579
110	24.117	34.733	23.406	0.625
120	23.317	34.738	23.645	0.669
130	22.226	34.743	23.960	0.711
140	19.371	34.723	24.715	0.747
150	17.243	34.648	25.187	0.777
160	16.156	34.611	25.413	0.804
170	14.914	34.563	25.655	0.829
180	13.656	34.560	25.919	0.852
190	13.155	34.580	26.037	0.873
200	12.668	34.591	26.143	0.892
250	10.896	34.650	26.522	0.979
300	9.891	34.654	26.701	1.053
350	9.557	34.670	26.769	1.121
400	9.156	34.653	26.822	1.187
450	8.801	34.637	26.866	1.252
500	8.279	34.610	26.926	1.314
550	7.686	34.582	26.992	1.373
600	7.200	34.567	27.050	1.429
650	6.792	34.555	27.097	1.483
700	6.389	34.547	27.144	1.536
750	5.961	34.542	27.196	1.585
800	5.609	34.541	27.239	1.633
900	5.091	34.547	27.306	1.723
1000	4.644	34.554	27.362	1.807
1002	4.628	34.555	27.365	1.809



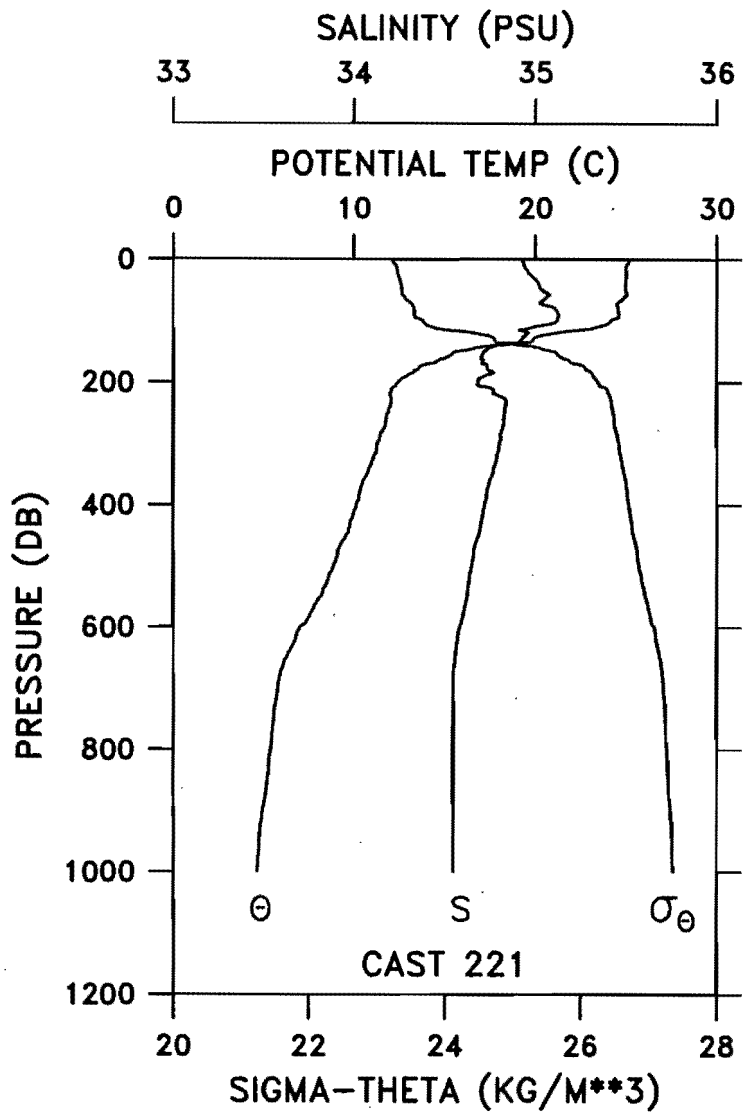
CAST GP8-98-KA-0201 DATE 02 DEC 98 TIME 2330 GMT
LAT 00 00.3S LONG 170 01.0W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 047 T SPD 04 KT VISIBILITY 7
CLOUD 2 AMOUNT 7 DRY 24.6 WET 22.2 DEPTH 5550 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.709	35.070	23.484	0.000
10	24.792	35.062	23.453	0.044
20	24.629	35.075	23.512	0.088
30	24.617	35.085	23.523	0.132
40	24.606	35.097	23.535	0.175
50	24.575	35.120	23.562	0.219
60	24.570	35.124	23.567	0.262
70	24.539	35.139	23.588	0.306
80	24.409	35.185	23.662	0.349
90	24.319	35.212	23.709	0.391
100	24.081	35.348	23.883	0.433
110	24.107	35.473	23.969	0.473
120	23.217	35.407	24.181	0.511
130	22.304	35.255	24.328	0.549
140	21.798	35.256	24.470	0.585
150	21.745	35.611	24.755	0.618
160	19.861	35.444	25.139	0.649
170	18.891	35.518	25.446	0.677
180	16.245	35.097	25.767	0.701
190	15.886	35.056	25.818	0.724
200	15.492	35.095	25.937	0.745
250	13.347	34.951	26.285	0.841
300	11.799	34.853	26.514	0.924
350	11.151	34.805	26.596	1.003
400	10.030	34.734	26.740	1.076
450	9.062	34.673	26.853	1.143
500	8.390	34.635	26.928	1.205
550	7.829	34.604	26.988	1.265
600	7.100	34.574	27.070	1.321
650	6.280	34.551	27.162	1.372
700	5.999	34.544	27.193	1.421
750	5.702	34.542	27.229	1.468
800	5.481	34.547	27.259	1.515
900	4.784	34.549	27.343	1.600
1000	4.421	34.555	27.387	1.682
1002	4.394	34.556	27.391	1.683



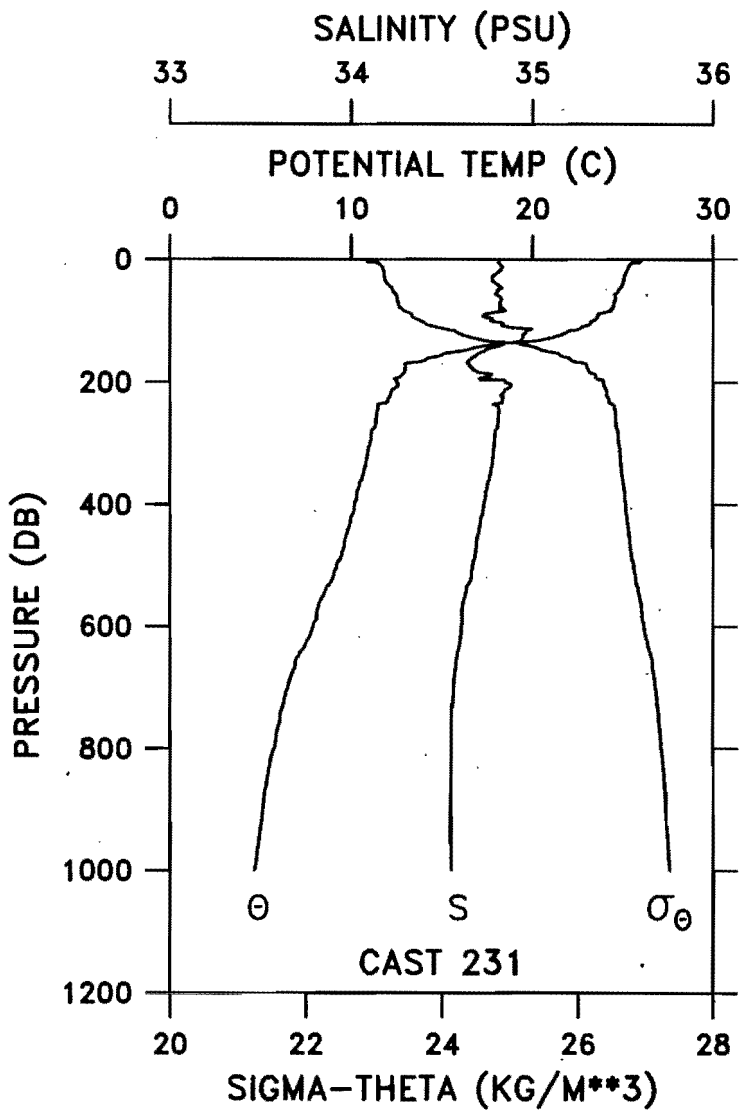
CAST GP8-98-KA-0211 DATE 03 DEC 98 TIME 0733 GMT
LAT 01 00.7N LONG 170 01.2W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 201 T SPD 09 KT VISIBILITY 7
CLOUD AMOUNT 7 DRY 24.4 WET 22.5 DEPTH 5463 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.438	34.987	23.199	0.000
10	24.940	34.975	23.343	0.046
20	24.847	34.990	23.382	0.091
30	24.836	35.005	23.397	0.136
40	24.837	35.029	23.414	0.181
50	24.830	35.047	23.430	0.226
60	24.809	35.064	23.449	0.270
70	24.660	35.055	23.488	0.315
80	24.416	35.046	23.554	0.359
90	24.071	35.014	23.633	0.402
100	23.248	34.949	23.825	0.444
110	22.796	34.946	23.953	0.485
120	21.767	34.937	24.236	0.523
130	19.814	34.913	24.745	0.557
140	18.043	34.839	25.139	0.588
150	17.371	35.034	25.453	0.615
160	17.120	35.102	25.565	0.640
170	16.059	34.935	25.685	0.664
180	15.357	34.948	25.854	0.687
190	15.353	34.961	25.865	0.709
200	14.812	35.050	26.052	0.730
250	12.379	34.881	26.424	0.823
300	11.728	34.836	26.514	0.904
350	11.206	34.784	26.570	0.982
400	9.989	34.708	26.727	1.056
450	9.192	34.666	26.826	1.124
500	7.943	34.606	26.973	1.186
550	7.074	34.576	27.074	1.242
600	6.660	34.561	27.120	1.294
650	6.150	34.550	27.178	1.344
700	5.863	34.545	27.211	1.393
750	5.585	34.546	27.246	1.439
800	5.445	34.547	27.264	1.484
900	5.015	34.547	27.314	1.572
1000	4.546	34.553	27.372	1.655
1002	4.539	34.553	27.373	1.657



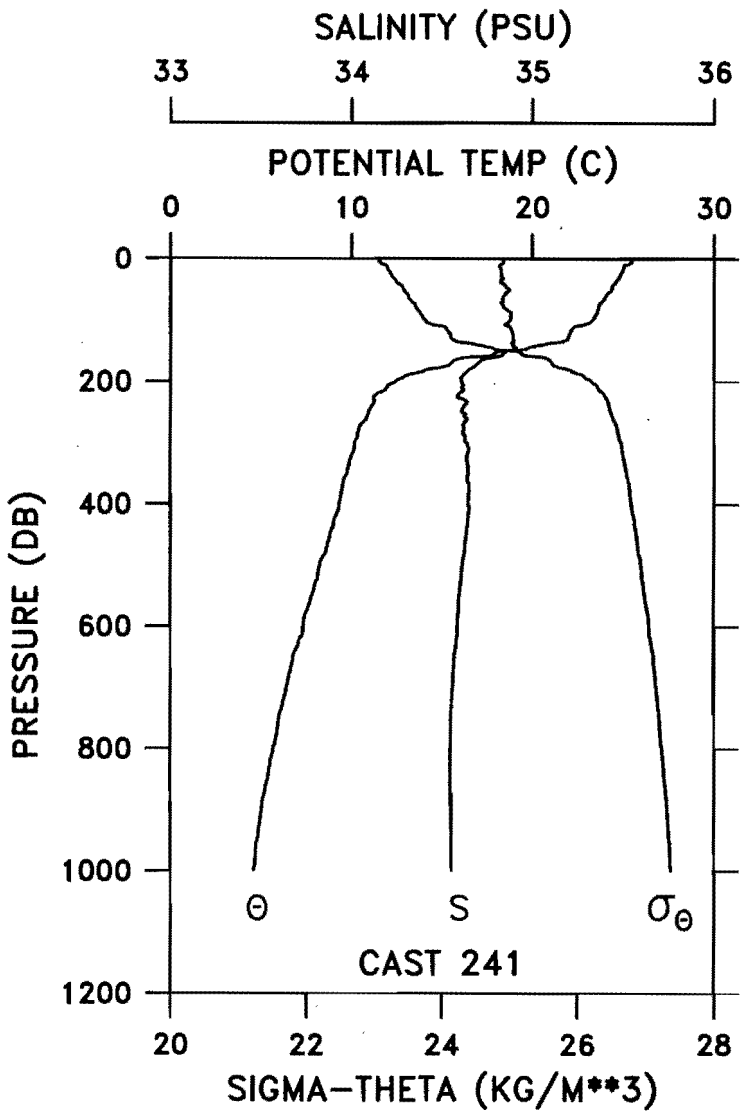
CAST GP8-98-KA-0221 DATE 03 DEC 98 TIME 1631 GMT
LAT 01 55.2N LONG 169 58.7W WEATHER 1 SEA STATE 4
BAROMETER 07 WIND DIR 054 T SPD 04 KT VISIBILITY 7
CLOUD 7 AMOUNT 1 DRY 24.0 WET 22.5 DEPTH 5397 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.153	34.929	23.243	0.000
10	25.021	34.938	23.290	0.046
20	25.000	34.958	23.312	0.092
30	25.000	34.992	23.337	0.137
40	24.975	35.018	23.364	0.183
50	24.984	35.039	23.378	0.228
60	24.952	35.067	23.408	0.273
70	24.564	35.027	23.495	0.318
80	24.568	35.109	23.556	0.361
90	24.610	35.128	23.558	0.405
100	24.158	35.120	23.687	0.448
110	23.361	34.986	23.820	0.490
120	21.021	34.960	24.459	0.529
130	19.884	34.925	24.737	0.562
140	17.680	34.780	25.183	0.593
150	15.632	34.718	25.615	0.619
160	15.060	34.702	25.730	0.643
170	14.082	34.723	25.956	0.665
180	13.419	34.740	26.107	0.685
190	12.908	34.716	26.192	0.704
200	12.437	34.684	26.260	0.722
250	11.896	34.832	26.479	0.806
300	11.311	34.802	26.565	0.884
350	10.725	34.765	26.643	0.960
400	10.142	34.719	26.709	1.032
450	9.548	34.685	26.783	1.101
500	8.882	34.649	26.862	1.167
550	8.171	34.625	26.954	1.229
600	7.012	34.584	27.090	1.286
650	6.270	34.559	27.169	1.337
700	5.790	34.548	27.222	1.385
750	5.573	34.548	27.249	1.431
800	5.389	34.547	27.271	1.477
900	4.946	34.546	27.322	1.564
1000	4.652	34.550	27.358	1.648
1004	4.642	34.550	27.359	1.651



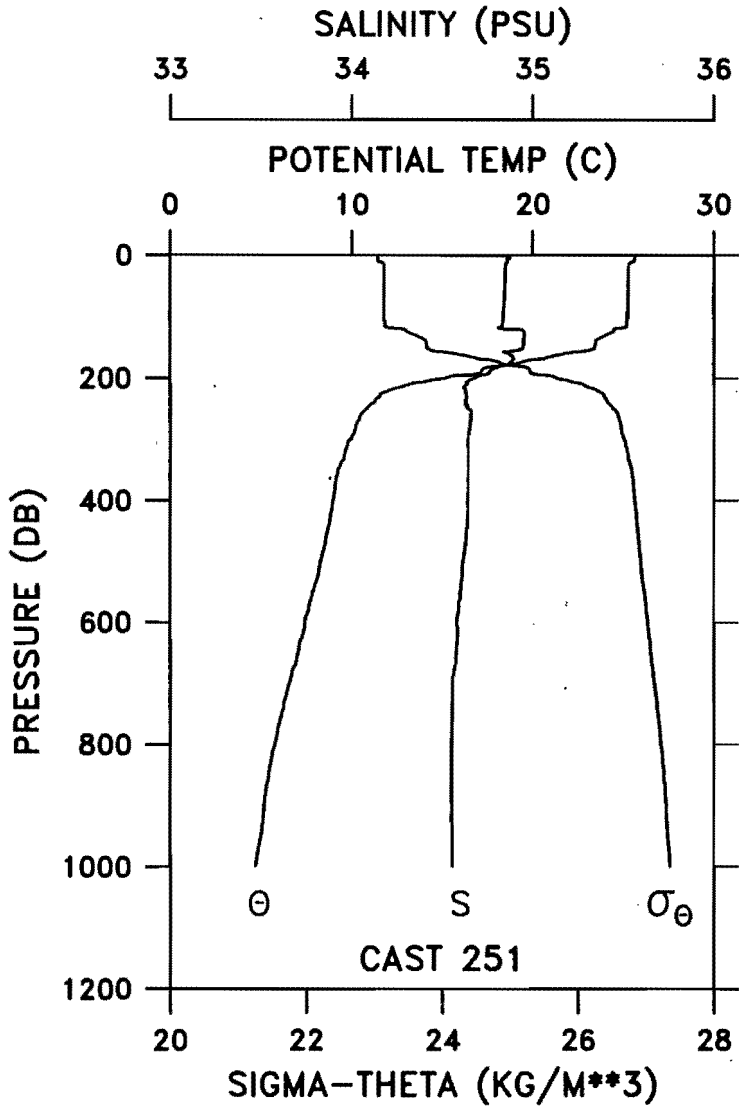
CAST GP8-98-KA-0231 DATE 04 DEC 98 TIME 0257 GMT
LAT 03 00.0N LONG 170 00.2W WEATHER 1 SEA STATE 3
BAROMETER 06 WIND DIR 272 T SPD 23 KT VISIBILITY 7
CLOUD 7 AMOUNT 5 DRY 25.5 WET 23.5 DEPTH 5482 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.980	34.817	22.903	0.000
10	25.337	34.830	23.112	0.049
20	25.174	34.813	23.149	0.096
30	25.053	34.777	23.159	0.143
40	24.973	34.806	23.204	0.190
50	24.741	34.807	23.275	0.237
60	24.561	34.819	23.339	0.282
70	24.507	34.823	23.358	0.328
80	24.327	34.821	23.410	0.373
90	23.598	34.733	23.559	0.418
100	23.282	34.770	23.679	0.461
110	22.713	34.867	23.916	0.502
120	21.791	34.956	24.245	0.541
130	20.550	34.939	24.570	0.577
140	17.447	34.821	25.271	0.607
150	15.897	34.732	25.566	0.633
160	14.280	34.666	25.871	0.656
170	12.977	34.649	26.126	0.677
180	12.967	34.679	26.151	0.696
190	12.759	34.764	26.259	0.715
200	12.508	34.850	26.375	0.732
250	11.417	34.815	26.555	0.813
300	11.031	34.791	26.607	0.889
350	10.678	34.768	26.653	0.963
400	10.199	34.732	26.709	1.035
450	9.747	34.699	26.761	1.105
500	9.215	34.672	26.827	1.173
550	8.464	34.629	26.912	1.237
600	7.905	34.608	26.981	1.297
650	7.023	34.582	27.086	1.354
700	6.485	34.565	27.146	1.406
750	6.053	34.555	27.195	1.456
800	5.730	34.550	27.232	1.504
900	5.109	34.547	27.304	1.593
1000	4.653	34.553	27.360	1.678
1008	4.644	34.552	27.361	1.685



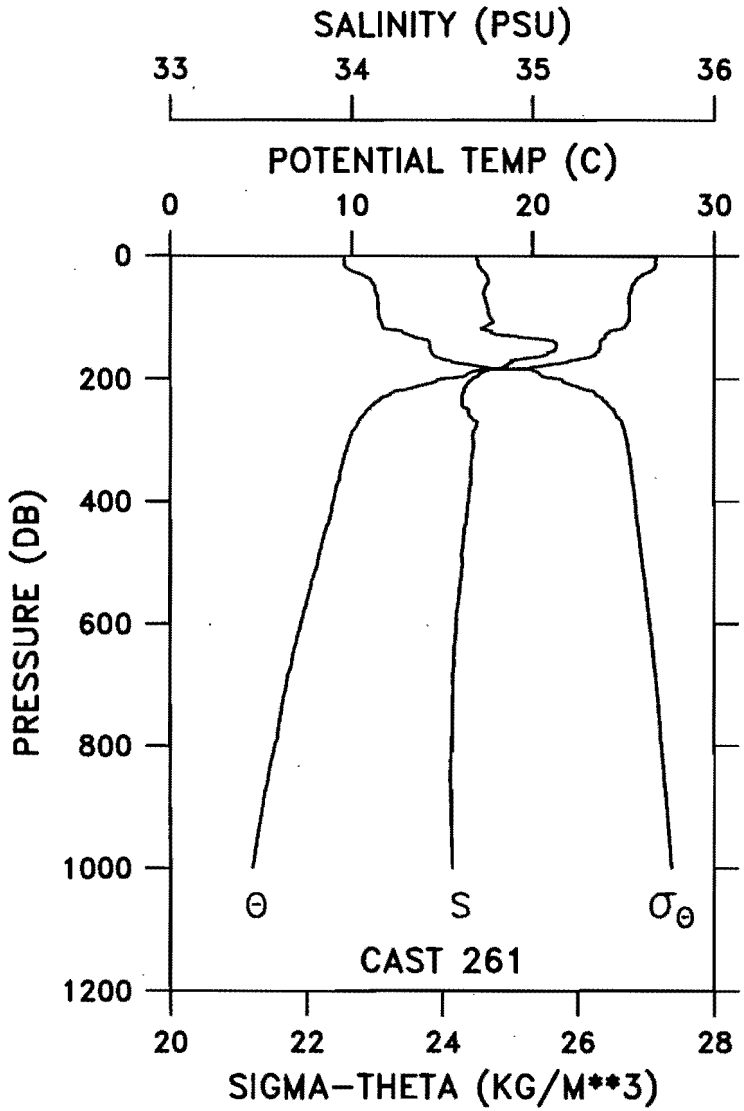
CAST GP8-98-KA-0241 DATE 04 DEC 98 TIME 1025 GMT
LAT 04 00.4N LONG 169 59.7W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 056 T SPD 07 KT VISIBILITY 7
CLOUD 7 AMOUNT 5 DRY 25.0 WET 24.2 DEPTH 5673 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.495	34.841	23.072	0.000
10	25.092	34.822	23.181	0.048
20	24.964	34.829	23.225	0.094
30	24.795	34.830	23.277	0.141
40	24.555	34.828	23.348	0.186
50	24.376	34.875	23.436	0.231
60	24.061	34.843	23.506	0.275
70	23.858	34.837	23.562	0.319
80	23.650	34.846	23.630	0.362
90	23.531	34.884	23.693	0.405
100	23.297	34.879	23.758	0.447
110	22.356	34.876	24.025	0.488
120	22.098	34.891	24.109	0.527
130	21.974	34.895	24.147	0.565
140	20.609	34.890	24.517	0.602
150	18.449	34.839	25.038	0.634
160	16.580	34.800	25.460	0.662
170	15.517	34.703	25.629	0.687
180	14.243	34.654	25.869	0.710
190	13.058	34.619	26.086	0.731
200	12.427	34.610	26.205	0.750
250	10.955	34.614	26.483	0.835
300	10.153	34.640	26.645	0.911
350	9.753	34.649	26.720	0.982
400	9.322	34.648	26.790	1.050
450	8.826	34.639	26.863	1.115
500	8.284	34.617	26.930	1.177
550	7.813	34.600	26.987	1.236
600	7.329	34.590	27.049	1.293
650	6.768	34.572	27.114	1.347
700	6.404	34.563	27.155	1.398
750	5.994	34.554	27.201	1.448
800	5.681	34.551	27.238	1.495
900	5.029	34.552	27.317	1.585
1000	4.596	34.559	27.372	1.668
1003	4.591	34.559	27.372	1.670



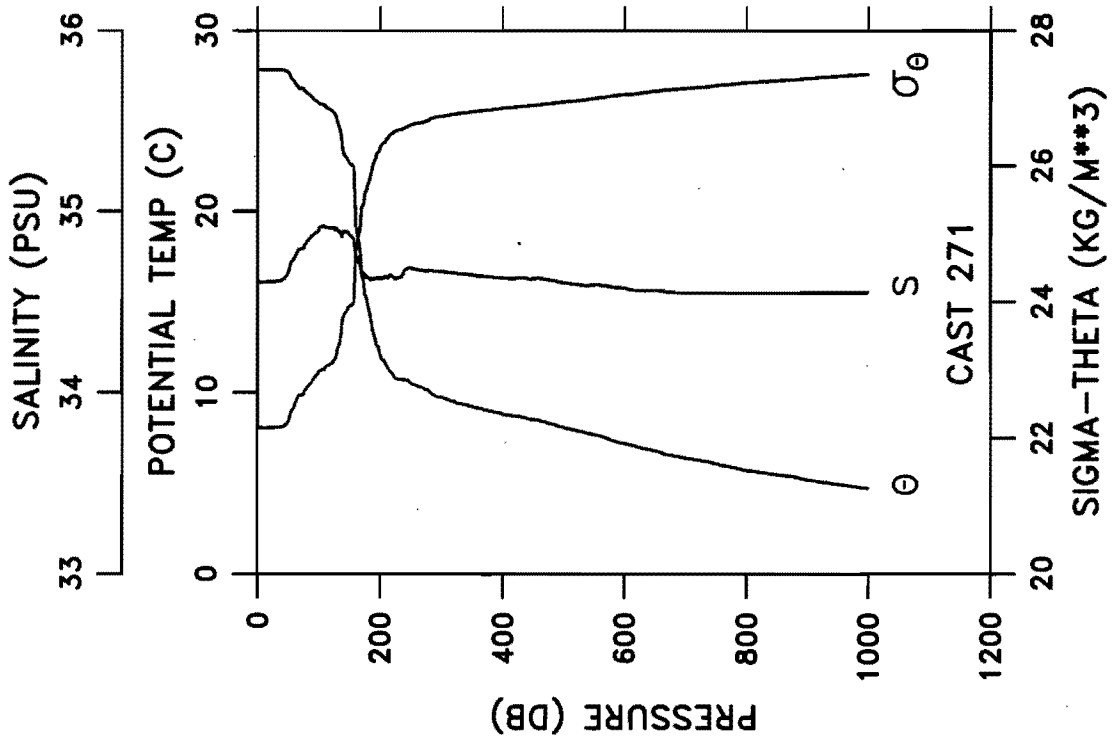
CAST GP8-98-KA-0251 DATE 04 DEC 98 TIME 1737 GMT
LAT 05 00.8N LONG 169 59.2W WEATHER 1 SEA STATE 3
BAROMETER 07 WIND DIR 073 T SPD 14 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 25.5 WET 25.3 DEPTH 5749 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.645	34.876	23.052	0.000
10	25.576	34.861	23.061	0.048
20	25.308	34.850	23.136	0.096
30	25.293	34.849	23.139	0.143
40	25.290	34.849	23.140	0.190
50	25.280	34.845	23.141	0.238
60	25.279	34.845	23.141	0.285
70	25.278	34.844	23.141	0.333
80	25.271	34.842	23.141	0.380
90	25.258	34.839	23.143	0.428
100	25.228	34.837	23.150	0.475
110	25.196	34.833	23.157	0.523
120	24.462	34.891	23.423	0.570
130	24.002	34.956	23.609	0.614
140	23.468	34.949	23.761	0.657
150	23.439	34.947	23.768	0.699
160	21.740	34.869	24.192	0.739
170	19.938	34.896	24.700	0.775
180	18.222	34.834	25.091	0.806
190	17.165	34.765	25.295	0.834
200	15.144	34.682	25.696	0.859
250	10.855	34.642	26.524	0.950
300	9.933	34.644	26.686	1.023
350	9.264	34.648	26.800	1.091
400	8.979	34.641	26.841	1.156
450	8.670	34.635	26.885	1.219
500	8.288	34.615	26.928	1.281
550	7.843	34.598	26.982	1.341
600	7.416	34.579	27.029	1.398
650	7.050	34.577	27.079	1.453
700	6.556	34.559	27.132	1.506
750	6.136	34.554	27.183	1.556
800	5.770	34.552	27.228	1.604
900	5.146	34.552	27.303	1.695
1000	4.694	34.557	27.359	1.780
1005	4.683	34.558	27.361	1.784



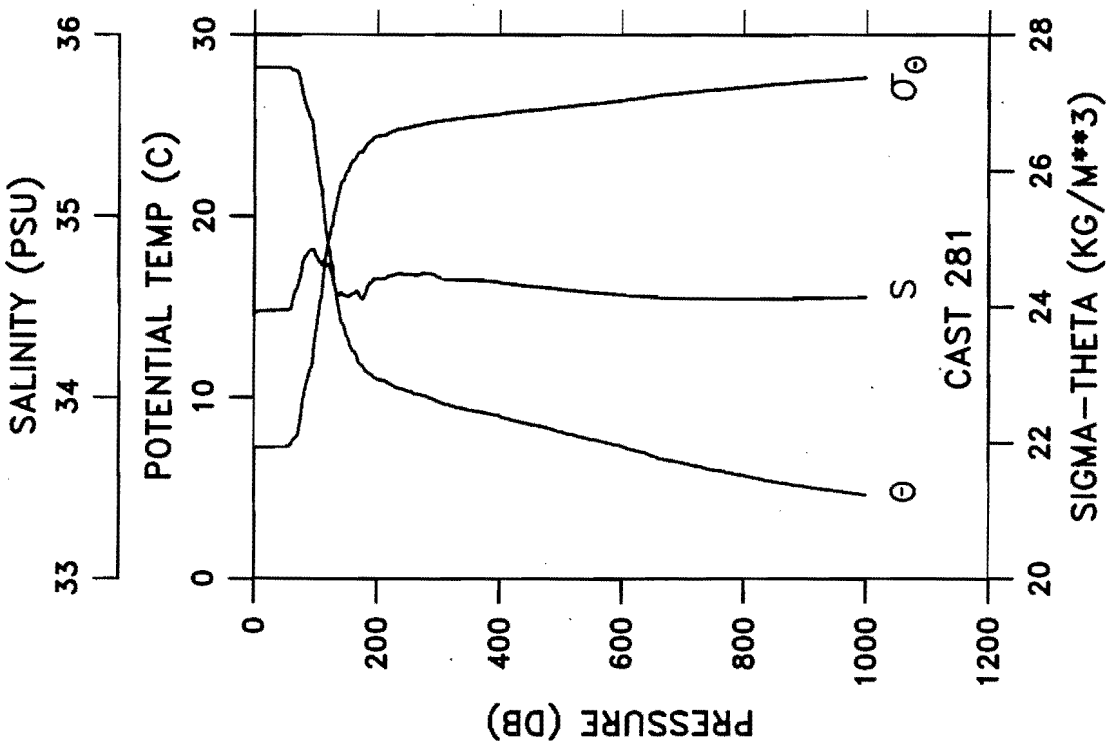
CAST GP8-98-KA-0261 DATE 05 DEC 98 TIME 0133 GMT
LAT 05 59.7N LONG 169 59.9W WEATHER 1 SEA STATE 3
BAROMETER 05 WIND DIR 075 T SPD 09 KT VISIBILITY 7
CLOUD 7 AMOUNT 2 DRY 25.4 WET 23.4 DEPTH 5425 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.794	34.689	22.551	0.000
10	26.773	34.699	22.565	0.053
20	26.687	34.712	22.602	0.106
30	26.100	34.741	22.809	0.157
40	25.685	34.754	22.947	0.207
50	25.471	34.738	23.002	0.256
60	25.386	34.728	23.019	0.305
70	25.316	34.738	23.049	0.353
80	25.336	34.748	23.050	0.402
90	25.343	34.754	23.052	0.450
100	25.335	34.765	23.063	0.498
110	25.205	34.769	23.106	0.547
120	24.597	34.731	23.261	0.594
130	24.022	34.895	23.557	0.639
140	23.759	35.123	23.808	0.682
150	23.745	35.131	23.817	0.723
160	23.460	35.080	23.862	0.765
170	22.086	34.878	24.102	0.805
180	20.296	34.847	24.568	0.842
190	16.484	34.711	25.415	0.871
200	14.902	34.664	25.735	0.897
250	10.855	34.647	26.527	0.990
300	9.854	34.667	26.717	1.063
350	9.376	34.655	26.788	1.130
400	8.985	34.644	26.842	1.195
450	8.521	34.621	26.897	1.258
500	8.135	34.611	26.948	1.319
550	7.636	34.593	27.008	1.377
600	7.194	34.576	27.058	1.433
650	6.737	34.564	27.112	1.487
700	6.375	34.559	27.156	1.538
750	6.057	34.556	27.195	1.588
800	5.751	34.552	27.230	1.636
900	5.073	34.549	27.310	1.726
1000	4.517	34.557	27.379	1.809
1003	4.501	34.558	27.381	1.812



CAST GP8-98-KA-0271 DATE 05 DEC 98 TIME 0916 GMT
LAT 07 00.5N LONG 170 01.3W WEATHER 1 SEA STATE 5
BAROMETER 08 WIND DIR 067 T SPD 20 KT VISIBILITY 7
CLOUD 7 AMOUNT 2 DRY 26.5 WET 25.0 DEPTH 5986 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.836	34.613	22.159	0.000
10	27.841	34.610	22.155	0.057
20	27.839	34.611	22.157	0.113
30	27.836	34.613	22.159	0.170
40	27.820	34.621	22.170	0.227
50	27.685	34.665	22.247	0.283
60	27.147	34.743	22.479	0.338
70	26.786	34.792	22.631	0.391
80	26.540	34.832	22.739	0.443
90	26.262	34.868	22.854	0.494
100	25.947	34.904	22.979	0.544
110	25.841	34.912	23.018	0.593
120	25.578	34.909	23.097	0.641
130	24.904	34.893	23.291	0.689
140	23.219	34.887	23.786	0.733
150	22.635	34.869	23.941	0.774
160	19.262	34.753	24.766	0.812
170	16.423	34.670	25.397	0.842
180	14.764	34.634	25.742	0.867
190	13.157	34.626	26.072	0.888
200	12.080	34.635	26.291	0.907
250	10.568	34.688	26.610	0.986
300	9.766	34.668	26.733	1.057
350	9.272	34.649	26.800	1.124
400	8.833	34.632	26.857	1.189
450	8.550	34.630	26.899	1.251
500	8.111	34.606	26.948	1.312
550	7.707	34.594	26.999	1.371
600	7.223	34.578	27.055	1.427
650	6.806	34.568	27.105	1.481
700	6.397	34.552	27.148	1.532
750	6.084	34.551	27.187	1.582
800	5.715	34.547	27.230	1.630
900	5.187	34.549	27.296	1.722
1000	4.724	34.554	27.353	1.807
1002	4.710	34.555	27.355	1.809



CAST GP8-98-KA-0281 DATE 06 DEC 98 TIME 0227 GMT
LAT 08 00.6N LONG 170 00.9W WEATHER 1 SEA STATE 5
BAROMETER 07 WIND DIR 089 T SPD 13 KT VISIBILITY 7
CLOUD 3 AMOUNT 8 DRY 27.5 WET 24.8 DEPTH 5518 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	28.196	34.470	21.934	0.000
10	28.194	34.478	21.941	0.059
20	28.197	34.479	21.941	0.117
30	28.197	34.480	21.941	0.176
40	28.193	34.481	21.943	0.235
50	28.185	34.482	21.947	0.294
60	28.075	34.495	21.992	0.353
70	27.959	34.610	22.117	0.411
80	26.579	34.759	22.672	0.465
90	25.470	34.813	23.058	0.516
100	23.458	34.784	23.638	0.562
110	21.227	34.728	24.227	0.602
120	18.378	34.734	24.976	0.635
130	16.259	34.616	25.393	0.663
140	14.273	34.574	25.801	0.688
150	13.365	34.562	25.981	0.709
160	12.580	34.577	26.149	0.729
170	11.910	34.570	26.273	0.748
180	11.520	34.566	26.343	0.765
190	11.262	34.637	26.446	0.782
200	10.985	34.655	26.510	0.798
250	10.359	34.682	26.642	0.873
300	9.773	34.666	26.730	0.943
350	9.306	34.649	26.794	1.010
400	9.010	34.638	26.833	1.076
450	8.527	34.614	26.891	1.139
500	8.119	34.598	26.941	1.200
550	7.705	34.582	26.989	1.259
600	7.326	34.570	27.034	1.316
650	6.767	34.557	27.102	1.370
700	6.377	34.549	27.148	1.422
750	5.982	34.545	27.196	1.472
800	5.683	34.544	27.232	1.519
900	5.045	34.549	27.313	1.609
1000	4.594	34.556	27.369	1.693
1002	4.586	34.556	27.370	1.695

CAST GP8-98-KA-0011 LAT 07 59.1S LONG 179 50.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.549	34.703	29.548	21.659
10.	29.285	34.688	29.282	21.736
25.	29.186	34.694	29.180	21.776
40.	29.133	34.690	29.123	21.792
60.	29.122	34.695	29.107	21.801
101.	28.048	35.511	28.024	22.775
150.	23.309	36.021	23.278	24.624
200.	19.425	35.683	19.388	25.447
400.	8.811	34.660	8.768	26.888
600.	6.649	34.546	6.593	27.115
801.	5.348	34.524	5.280	27.265
1004.	4.483	34.529	4.403	27.369

CAST GP8-98-KA-0021 LAT 07 00.4S LONG 179 52.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	29.404	34.953	29.404	21.897
11.	29.401	34.939	29.398	21.898
100.	28.035	35.375	28.012	22.663
431.	8.634	34.703	8.588	26.907

CAST GP8-98-KA-0031 LAT 05 59.9S LONG 179 53.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	29.218	34.892	29.217	21.913
11.	29.120	34.927	29.117	21.976
25.	29.058	34.927	29.052	21.995
41.	28.996	35.009	28.986	22.080
60.	28.915	35.152	28.900	22.213
100.	27.988	35.429	27.964	22.732
150.	25.090	36.101	25.058	24.157
200.	18.898	35.627	18.862	25.538
400.	9.664	34.721	9.618	26.799
600.	7.526	34.589	7.466	27.031
800.	5.757	34.525	5.687	27.216
1003.	4.537	34.540	4.457	27.372

CAST GP8-98-KA-0041 LAT 04 59.1S LONG 179 53.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	28.941	34.716	28.941	21.881
10.	28.979	34.797	28.977	21.925
26.	29.049	34.970	29.043	22.028
40.	28.989	35.065	28.980	22.126
59.	28.832	35.066	28.818	22.222
100.	27.911	35.463	27.887	22.782
149.	26.498	35.665	26.465	23.390
201.	19.229	35.619	19.193	25.438
400.	9.786	34.730	9.739	26.787
601.	7.413	34.577	7.353	27.035
799.	5.700	34.528	5.630	27.226
1003.	4.541	34.541	4.461	27.372

CAST GP8-98-KA-0051 LAT 04 00.4S LONG 179 54.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	27.727	35.411	27.727	22.796
10.	27.731	35.411	27.729	22.795
25.	27.644	35.414	27.638	22.825
40.	27.370	35.395	27.361	22.901
60.	27.056	35.359	27.043	22.975
100.	26.893	35.349	26.870	23.025
151.	26.529	35.375	26.495	23.162
201.	17.063	35.447	17.029	25.826
401.	8.841	34.661	8.797	26.886
601.	7.275	34.593	7.216	27.070
800.	5.678	34.546	5.608	27.243
1004.	4.559	34.539	4.479	27.369

CAST GP8-98-KA-0061 LAT 03 00.1S LONG 179 55.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.212	35.419	28.211	22.642
10.	28.147	35.415	28.145	22.662
25.	28.044	35.406	28.038	22.690
40.	27.382	35.397	27.372	22.900
61.	27.138	35.419	27.124	22.991
101.	26.825	35.426	26.802	23.104
150.	25.794	35.613	25.761	23.570
201.	16.258	35.326	16.226	25.942
400.	9.115	34.671	9.070	26.850
600.	7.011	34.571	6.954	27.088
801.	5.511	34.544	5.443	27.262
1004.	4.649	34.544	4.568	27.363

CAST GP8-98-KA-0071 LAT 02 02.1S LONG 179 58.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1001.	4.485	34.553	4.405	27.388
1501.	3.161	34.595	3.052	27.558
1749.	2.632	34.617	2.507	27.623
2250.	2.050	34.649	1.891	27.699
2500.	1.906	34.658	1.728	27.718
2699.	1.819	34.663	1.623	27.730
3000.	1.695	34.668	1.474	27.747
3250.	1.597	34.675	1.353	27.760
3500.	1.535	34.680	1.268	27.771
3751.	1.475	34.689	1.183	27.782
4005.	1.407	34.692	1.090	27.793

CAST GP8-98-KA-0081 LAT 01 30.0S LONG 179 54.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	28.025	35.476	28.024	22.747
10.	27.747	35.471	27.744	22.834
24.	27.347	35.500	27.341	22.993
40.	26.984	35.500	26.975	23.104
60.	26.524	35.443	26.510	23.206
101.	25.740	35.402	25.718	23.440
199.	14.286	35.113	14.257	26.216
400.	9.627	34.704	9.581	26.792
599.	6.778	34.557	6.721	27.110
799.	5.639	34.538	5.569	27.242
1005.	4.603	34.549	4.522	27.372

CAST GP8-98-KA-0091 LAT 00 59.8S LONG 179 54.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	27.036	35.407	27.036	23.016
10.	26.958	35.387	26.955	23.024
25.	26.381	35.273	26.375	23.132
40.	25.965	35.222	25.956	23.215
60.	25.699	35.211	25.686	23.293
100.	25.605	35.310	25.583	23.395
150.	17.705	35.355	17.680	25.623
200.	15.087	35.134	15.057	26.061
400.	10.286	34.736	10.238	26.707
600.	7.002	34.566	6.944	27.085
800.	5.807	34.539	5.736	27.222
1006.	4.727	34.546	4.645	27.356

CAST GP8-98-KA-0101 LAT 00 30.0S LONG 179 53.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	25.838	35.155	25.838	23.203
10.	25.816	35.155	25.813	23.210
26.	25.686	35.161	25.680	23.256
40.	25.641	35.173	25.632	23.278
60.	25.623	35.186	25.610	23.297
101.	24.798	35.298	24.776	23.632
150.	19.467	35.353	19.440	25.176
200.	16.529	35.162	16.496	25.753
399.	10.150	34.723	10.103	26.716
600.	7.152	34.570	7.094	27.066
801.	5.701	34.540	5.631	27.235
1004.	4.741	34.547	4.659	27.354

CAST GP8-98-KA-0111 LAT 00 02.0S LONG 179 53.8W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	25.764	35.110	25.763	23.193
10.	25.765	35.111	25.763	23.193
26.	25.755	35.113	25.750	23.198
151.	20.668	35.299	20.640	24.805
400.	10.491	34.743	10.443	26.676
600.	7.068	34.567	7.010	27.076
801.	5.375	34.544	5.307	27.278
1004.	4.669	34.549	4.588	27.365

CAST GP8-98-KA-0121 LAT 01 00.2N LONG 179 51.3W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	26.061	35.110	26.061	23.099
10.	26.045	35.122	26.043	23.115
24.	26.024	35.129	26.019	23.127
40.	25.873	35.180	25.864	23.212
61.	25.392	35.173	25.379	23.358
101.	25.276	35.157	25.254	23.383
151.	19.418	35.043	19.391	24.973
200.	14.878	34.887	14.848	25.919
400.	10.033	34.709	9.986	26.729
600.	6.843	34.568	6.786	27.107

CAST GP8-98-KA-0131 LAT 02 00.2N LONG 179 49.5W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
150.	17.247	34.779	17.222	25.294
201.	12.606	34.775	12.579	26.312
400.	10.361	34.732	10.314	26.691
600.	7.345	34.587	7.286	27.046

CAST GP8-98-KA-0181 LAT 07 00.0N LONG 179 53.4W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	28.379	34.684	28.378	22.036
10.	28.385	34.685	28.382	22.036
25.	28.392	34.687	28.386	22.035
40.	28.396	34.695	28.387	22.040
61.	28.354	34.725	28.339	22.080
102.	28.008	34.781	27.984	22.237
151.	20.683	34.741	20.654	24.390
201.	13.816	34.610	13.787	25.927
399.	9.001	34.633	8.957	26.838
600.	7.472	34.571	7.412	27.023
800.	6.093	34.543	6.021	27.189

CAST GP8-98-KA-0191 LAT 08 02.1N LONG 179 52.6W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
1.	28.312	34.357	28.312	21.812
11.	28.330	34.357	28.327	21.807
26.	28.327	34.357	28.321	21.808
40.	28.396	34.421	28.386	21.835
60.	28.477	34.575	28.463	21.925
100.	25.332	34.727	25.310	23.041
150.	17.331	34.633	17.306	25.159
200.	12.533	34.584	12.506	26.168
401.	9.182	34.648	9.138	26.822
600.	7.262	34.563	7.203	27.047
801.	5.662	34.538	5.593	27.239

CAST GP8-98-KA-0201 LAT 00 00.3S LONG 170 01.0W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	24.967	35.063	24.966	23.402
10.	24.653	35.068	24.651	23.501
24.	24.634	35.081	24.629	23.517
40.	24.631	35.094	24.623	23.528
61.	24.610	35.120	24.597	23.556
101.	24.188	35.302	24.167	23.827
151.	21.591	35.351	21.561	24.677
200.	15.681	35.062	15.650	25.872
400.	10.064	34.729	10.018	26.738
599.	7.151	34.572	7.093	27.068
1000.	4.492	34.556	4.412	27.388

CAST GP8-98-KA-0211 LAT 01 00.7N LONG 170 01.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	25.445	34.988	25.444	23.197
10.	24.920	34.973	24.918	23.348
25.	24.840	34.994	24.834	23.389
40.	24.833	35.029	24.824	23.420
60.	24.814	35.060	24.801	23.448
101.	23.145	34.942	23.125	23.857
150.	17.246	34.952	17.221	25.427
200.	14.823	35.052	14.793	26.058
399.	9.936	34.701	9.889	26.735
599.	6.716	34.560	6.660	27.118
800.	5.514	34.548	5.445	27.263

CAST GP8-98-KA-0221 LAT 01 55.2N LONG 169 58.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	25.132	34.934	25.131	23.254
11.	25.105	34.934	25.102	23.262
26.	25.002	34.968	24.996	23.318
41.	24.981	35.017	24.972	23.365
61.	24.878	35.061	24.864	23.425
102.	23.860	35.041	23.839	23.730
152.	15.489	34.698	15.465	25.636
400.	10.198	34.716	10.150	26.706
801.	5.437	34.547	5.369	27.272
1003.	4.727	34.551	4.645	27.359

CAST GP8-98-KA-0231 LAT 03 00.0N LONG 170 00.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
11.	25.264	34.810	25.261	23.132
25.	25.044	34.773	25.038	23.161
40.	24.833	34.820	24.824	23.259
60.	24.590	34.825	24.577	23.339
100.	23.245	34.823	23.224	23.730
151.	15.141	34.686	15.118	25.699
201.	12.572	34.844	12.545	26.371
401.	10.237	34.727	10.189	26.707
604.	7.895	34.605	7.833	26.988
802.	5.726	34.550	5.656	27.238
1005.	4.729	34.553	4.648	27.360
1005.	4.729	34.553	4.647	27.361

CAST GP8-98-KA-0241 LAT 04 00.4N LONG 169 59.7W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	25.531	34.842	25.531	23.063
10.	25.051	34.814	25.049	23.186
25.	24.874	34.824	24.869	23.250
39.	24.576	34.819	24.568	23.337
60.	24.066	34.834	24.054	23.502
101.	23.329	34.874	23.308	23.750
149.	18.400	34.855	18.374	25.060
201.	12.164	34.609	12.138	26.259
400.	9.373	34.649	9.328	26.793
600.	7.376	34.586	7.317	27.049
800.	5.747	34.549	5.677	27.237
1002.	4.674	34.559	4.593	27.372

CAST GP8-98-KA-0251 LAT 05 00.8N LONG 169 59.2W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
3.	25.672	34.691	25.671	23.017
10.	25.592	34.692	25.590	23.048
25.	25.307	34.722	25.301	23.132
40.	25.296	34.746	25.287	23.135
60.	25.297	34.725	25.284	23.136
101.	25.248	34.757	25.226	23.148
151.	23.436	35.126	23.405	23.767
401.	9.012	34.638	8.968	26.840
602.	7.453	34.574	7.393	27.037
801.	5.724	34.550	5.654	27.240
1002.	4.766	34.557	4.684	27.360

CAST GP8-98-KA-0261 LAT 05 59.7N LONG 169 59.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
2.	26.808	34.603	26.808	22.549
10.	26.800	34.603	26.798	22.552
25.	26.445	34.605	26.439	22.688
41.	25.611	34.618	25.602	22.968
61.	25.330	34.722	25.317	23.040
100.	25.361	34.877	25.339	23.056
151.	23.818	34.849	23.786	23.803
402.	9.024	34.626	8.980	26.839
600.	7.314	34.564	7.255	27.050
800.	5.839	34.545	5.769	27.227
1002.	4.584	34.552	4.504	27.381

CAST GP8-98-KA-0281 LAT 08 00.6N LONG 170 00.9W

PRES (DB)	TEMP (C)	SAL (PSS-78)	POT TEMP (C)	SIG-TH (KG/M3)
4.	28.198	34.477	28.197	21.939
10.	28.197	34.478	28.194	21.940
25.	28.200	34.477	28.194	21.940
39.	28.204	34.477	28.195	21.940
60.	28.061	34.512	28.047	22.014
100.	23.950	34.789	23.929	23.500
151.	13.328	34.550	13.307	25.978
400.	8.934	34.626	8.891	26.844
599.	7.347	34.565	7.288	27.037
800.	5.677	34.543	5.607	27.241
1000.	4.669	34.556	4.588	27.370