

NOAA Data Report ERL PMEL-18



CTD/O₂ MEASUREMENTS DURING 1984 AND 1985 AS PART OF THE EQUATORIAL
PACIFIC OCEAN CLIMATE STUDIES (EPOCS)

L. J. Mangum
J. M. Lynch
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Pacific Marine Environmental Laboratory
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NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

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**UNITED STATES
DEPARTMENT OF COMMERCE**

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ABSTRACT. During 1984 and 1985, CTD data were collected in the eastern equatorial Pacific as part of the Equatorial Pacific Ocean Climate Studies (EPOCS) program, which began its field program in 1979. Summaries of CTD data from four cruises in 1984 and 1985 are presented. Station locations, meteorological conditions and profiles of temperature, salinity, sigma-T, and oxygen are shown for each cast. Additionally, T-S diagrams and section plots along 110°W, 140°W, and the equator are presented.

1. INTRODUCTION

Oceanographic observations in the eastern equatorial Pacific have been collected since 1979 as part of the Equatorial Pacific Ocean Climate Studies (EPOCS) program. One of the objectives of the EPOCS program is to investigate the processes which cause sea surface temperature (SST) fluctuations on annual and interannual time scales in this area. Summaries of CTD measurements collected on four cruises during 1984 and 1985 as part of PMEL's EPOCS contribution are presented here. CTD data from 1979 through 1983 can be found in three previous data reports (Mangum *et al.*, 1980; Mangum and Hayes, 1983; Mangum and Hayes, 1985).

Data collected in 1984 and 1985 included both meridional sections across the equator along 110°W and 140°W and zonal sections along the equator eastward of 140°W. Figures 1-4 show the cruise tracks and CTD cast locations for each cruise. The cruise label notation is EPx-yy-zz, where x is the sequential EPOCS cruise number during each year (1-3), yy is the year (84 or 85), and zz is the ship code (either DI for the NOAA Ship DISCOVERER or RS for the NOAA Ship RESEARCHER).

Neil Brown Instrument Systems (NBIS) Mark III CTD's equipped with Beckman dissolved oxygen probes were used to collect the data. Cruises on the RESEARCHER (EP4-84-RS and EP3-85-RS) used an NBIS CTD system supplied by the Atlantic Oceanographic and Meteorological Laboratory (AOML); the other cruises used the PMEL NBIS system. Pressure, temperature, conductivity and dissolved oxygen are sampled at a rate of 28 hz, as described by Brown (1974) and the data are recorded on an LSI 11/03 online computer system. Typical lowering rates were 45 m/min for the first 200 meters after which the speed was increased to 60 m/min. The CTD data were recorded on the downtrace, and water samples were collected on the upcast for calibration purposes using an electronically fired Rosette sampler.

2. NBIS CTD DATA PROCESSING

The NBIS CTD acquisition, processing and calibration system is described in Mangum et al. (1980). Briefly, the digitized signal from the CTD deck unit is recorded in real time on a 9-track magnetic tape using the LSI 11/03 computer system. The data are edited and one-decibar averages are computed, after corrections for response time differences between the temperature and conductivity probes have been made. No lag correction has been applied to the oxygen data. Laboratory calibration information from pre- and post-cruise calibrations (if available) are compared with bottle calibration information and historical data to determine corrections to pressure, temperature and conductivity. Dissolved oxygen samples were titrated by shipboard personnel and these were used to determine the oxygen calibration for each cruise.

3. DATA PRESENTATION

After calibrations were applied to the 1-decibar averaged data, summary plots with listings and T-S diagrams were produced using computer programs described by Holbrook and Halpern (1974). Tables 1-6 describe the abbreviations and meteorological information contained in the heading for each cast. Salinity, sigma-T, and dynamic height were calculated from WHOI subroutines supplied by R.C. Millard, Jr. Three meridional CTD sections of temperature, salinity, sigma-T and dissolved oxygen along 110°W are shown in Figures 5-8. These were taken in November 1984, June 1985 and September 1985. Figures 9-11 show 140°W sections occupied in April 1985, June 1985 and October 1985. The zonal sections along the equator in November 1984, April 1985, and October 1985 are presented in Figures 12-15.

4. ACKNOWLEDGMENTS

The assistance of the officers and crew of the NOAA Ships DISCOVERER and RESEARCHER are gratefully acknowledged. Much of the preliminary CTD processing was accomplished by the survey departments on each ship. M. Stapp provided excellent technical support. This research was supported in part by the Equatorial Pacific Ocean Climate Studies (EPOCS) Project of NOAA. Contribution No. 968 from NOAA's Pacific Marine Environmental Laboratory.

5. REFERENCES

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- Holbrook, J.R. and D. Halpern, 1974. STD measurements off the Oregon Coast, July/August 1973, CUEA Data Report #12, Ref. M74-17, Department of Oceanography, University of Washington, 397 pp.
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FIGURES AND TABLES

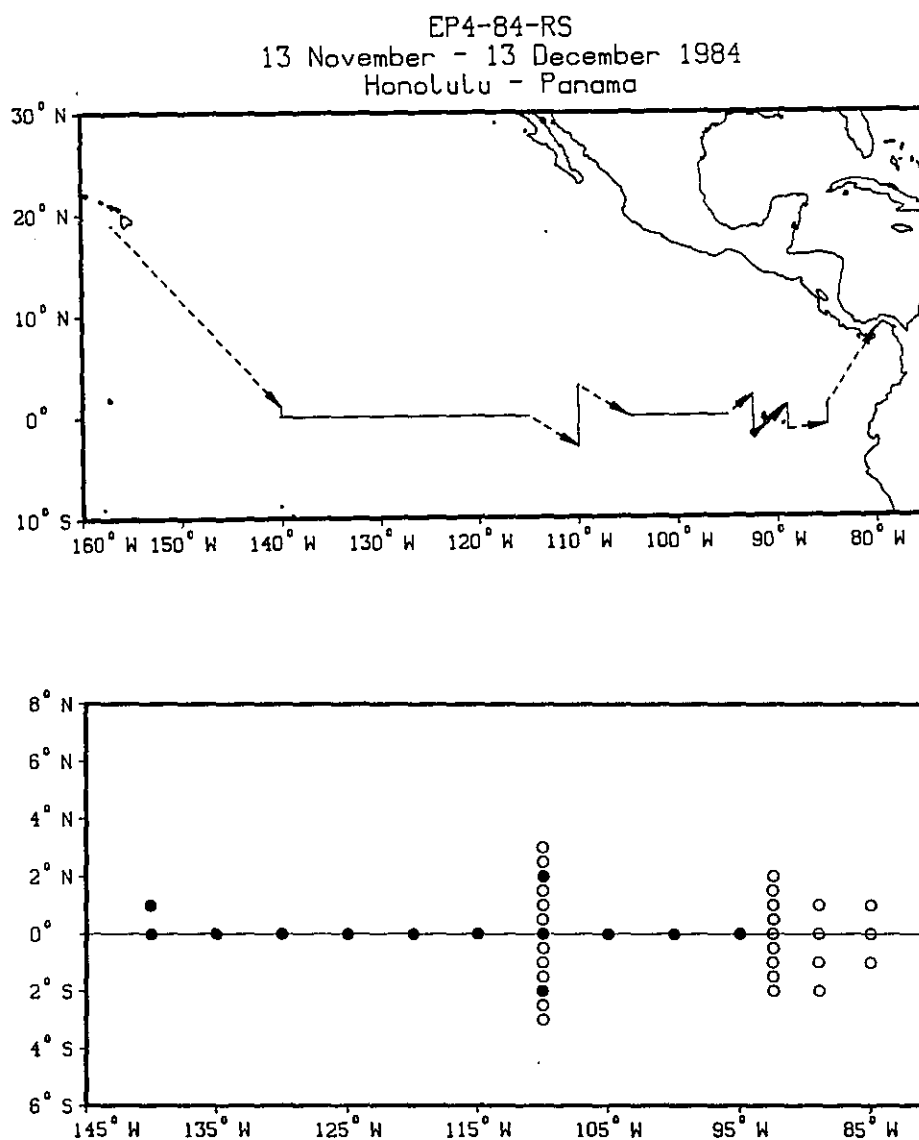


Figure 1.--Cruise track and CTD/O₂ stations occupied during EP4-84-RS.

EP1-85-DI

18 April - 16 May 1985

Seattle - San Diego

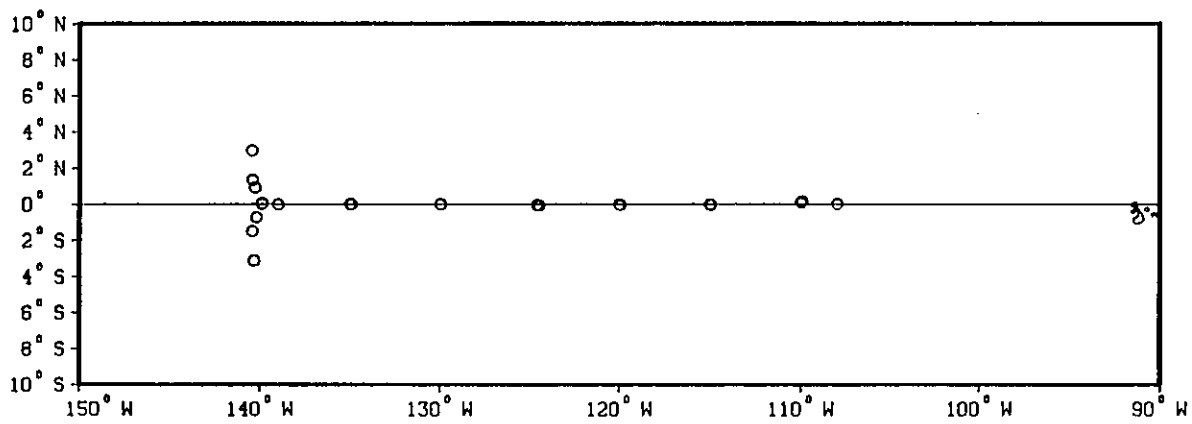
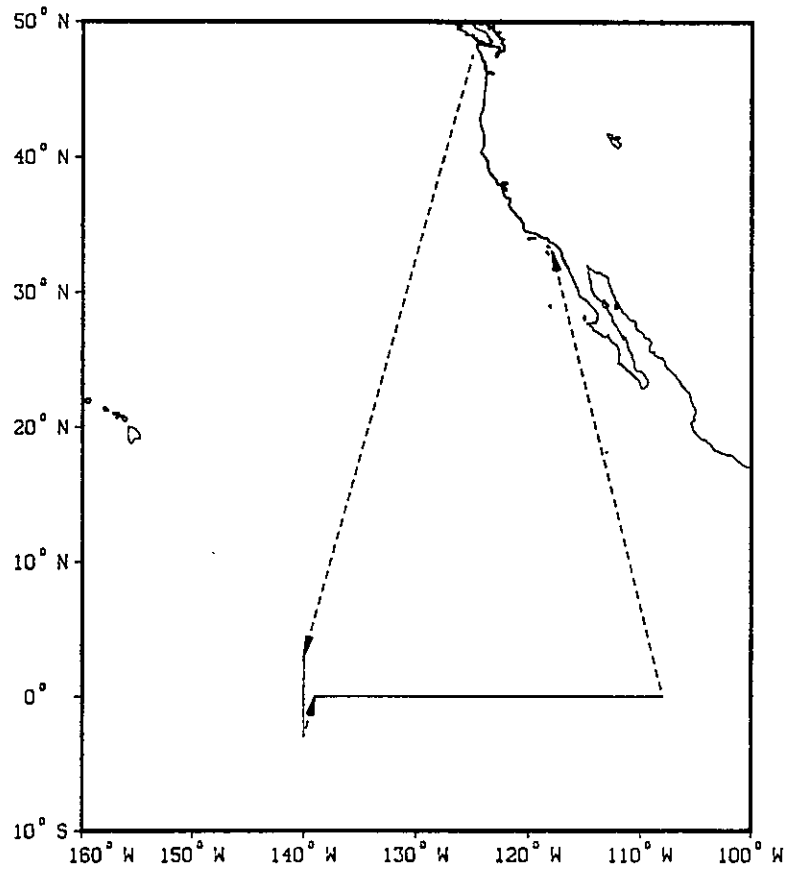


Figure 2.--Cruise track and CTD stations occupied during EP1-85-DI.

EP2-85-DI

23 May - 19 June 1985
San Diego - Honolulu

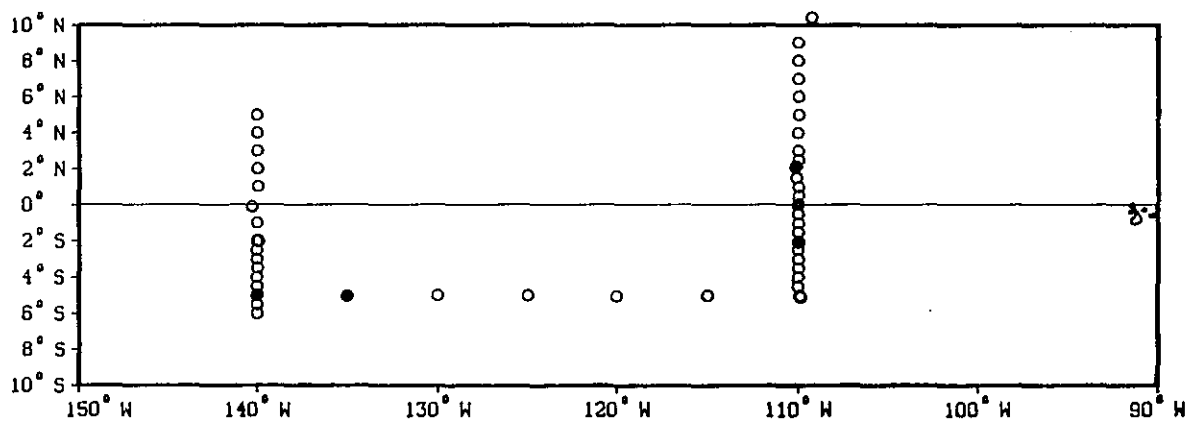
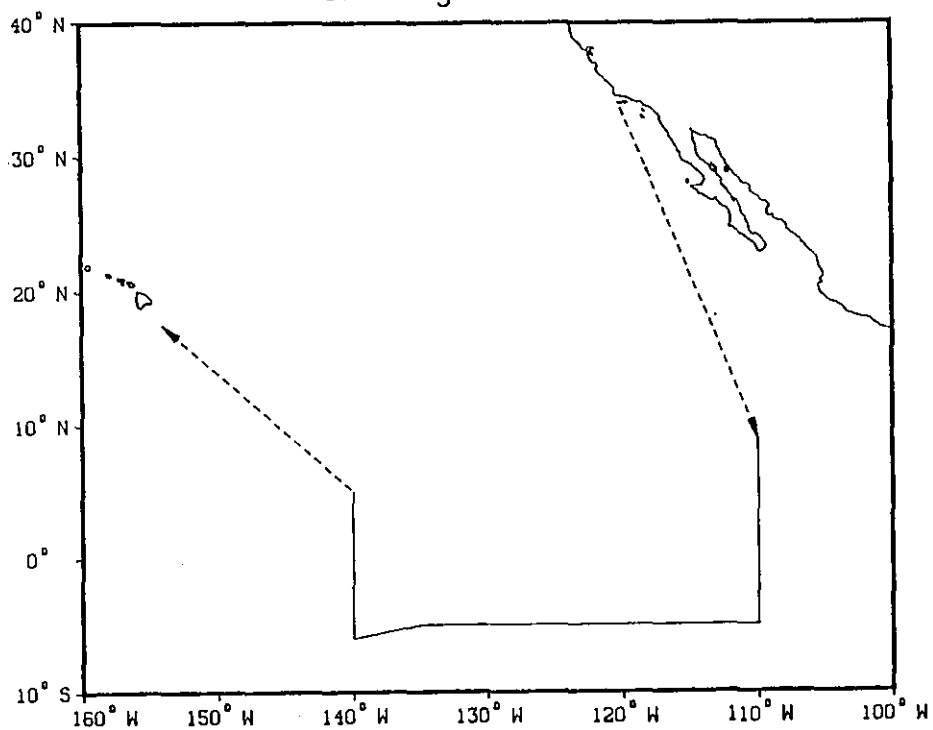


Figure 3.--Cruise track and CTD stations occupied during EP2-85-DI.

EP3-85-RS
22 September - 18 October 1985
Rodman - Honolulu

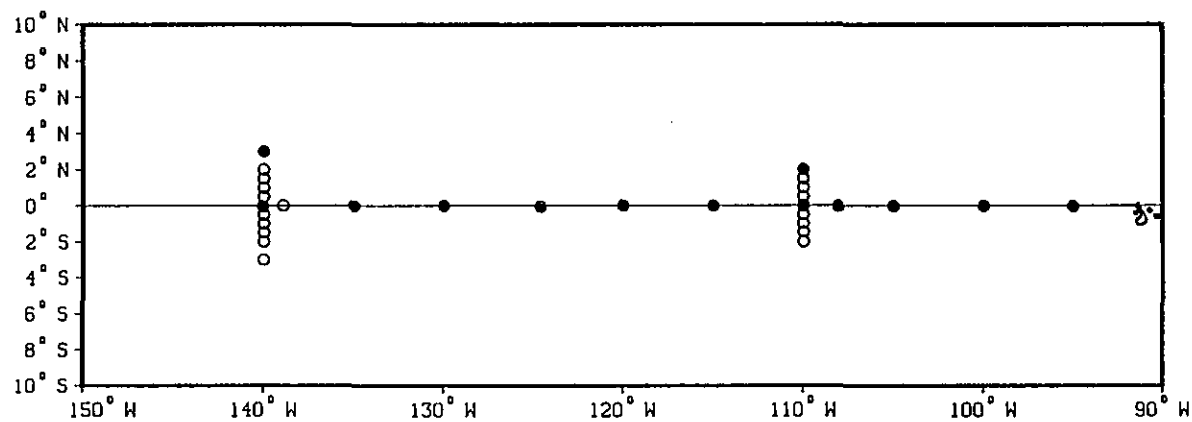
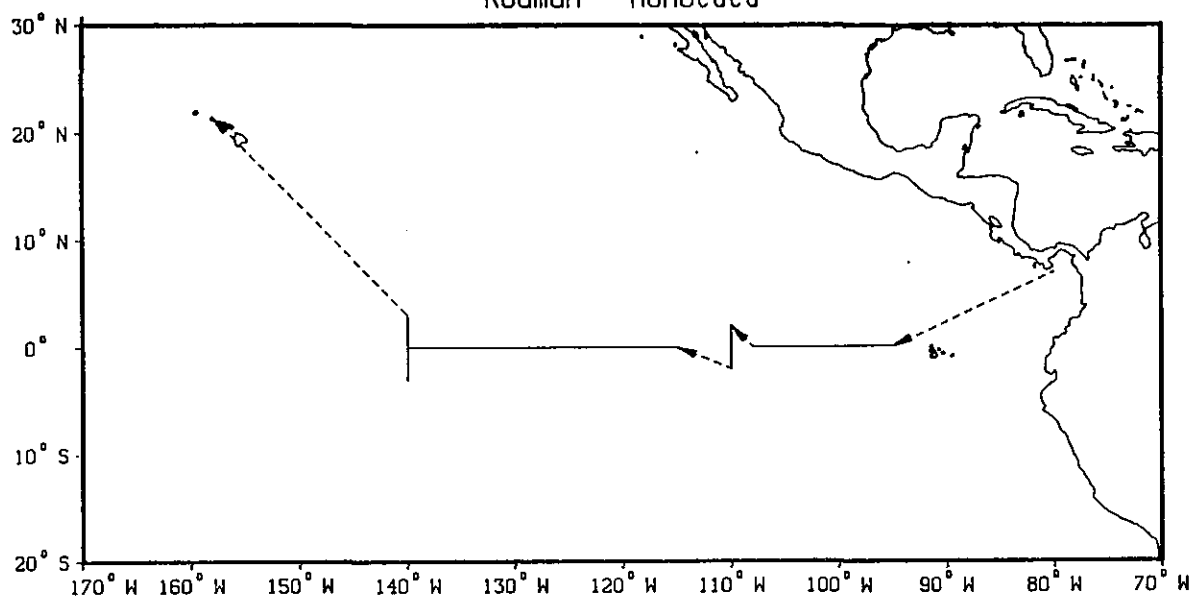


Figure 4.--Cruise track and CTD/O₂ stations occupied during EP3-85-RS.

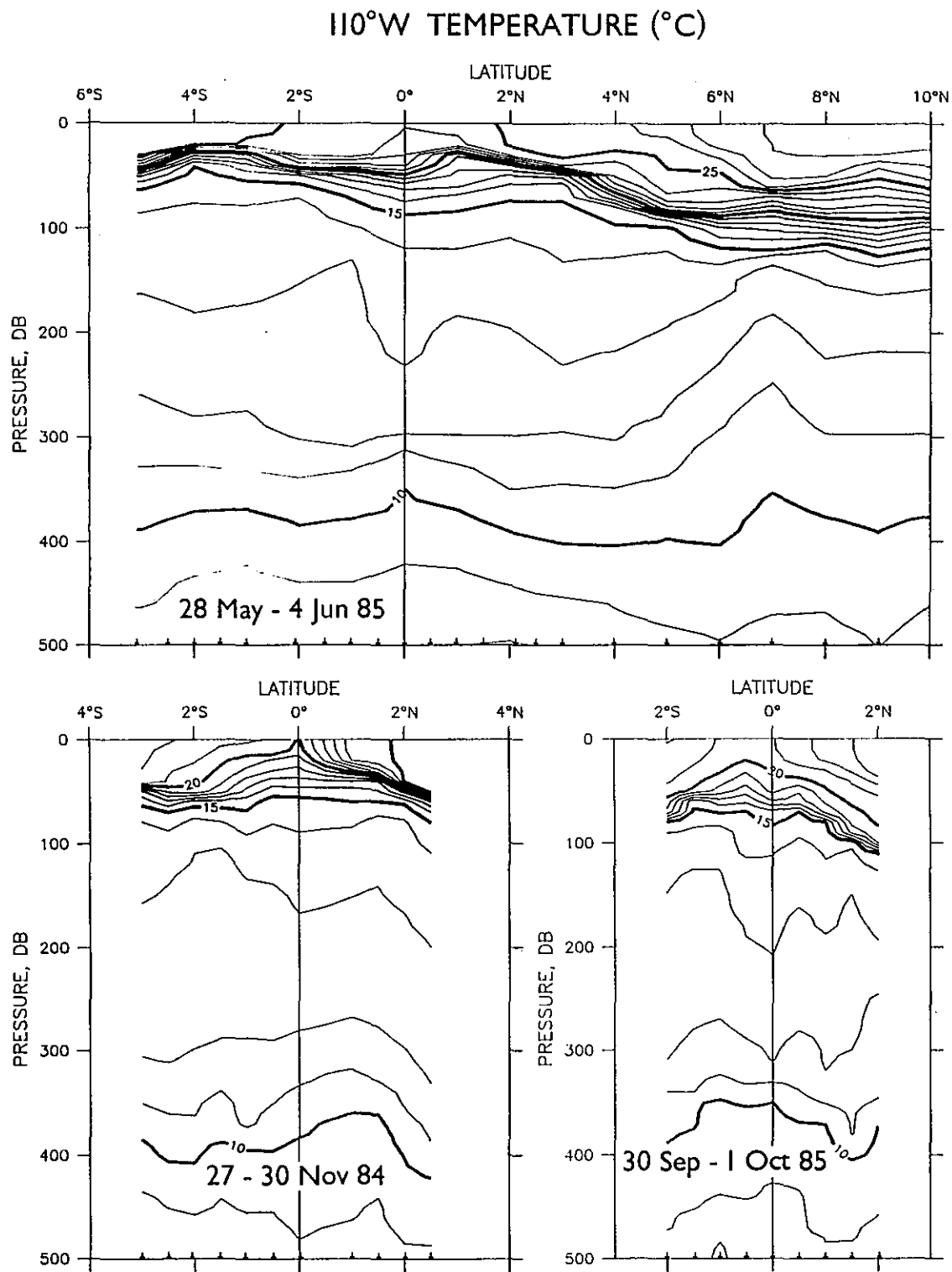


Figure 5.--Temperature (°C) sections along 110°W in 1984 and 1985.

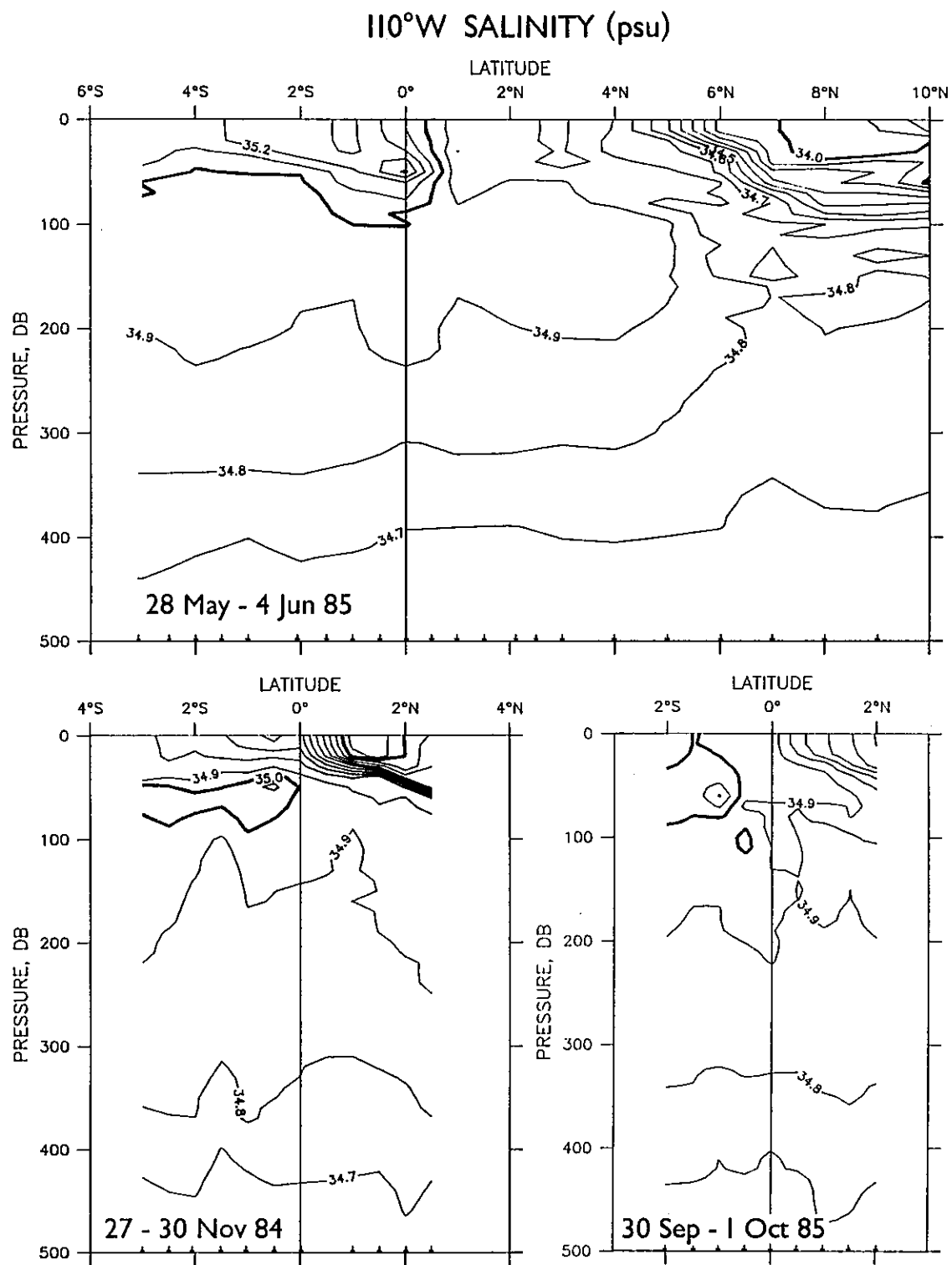


Figure 6.--Salinity (psu) sections along 110°W in 1984 and 1985.

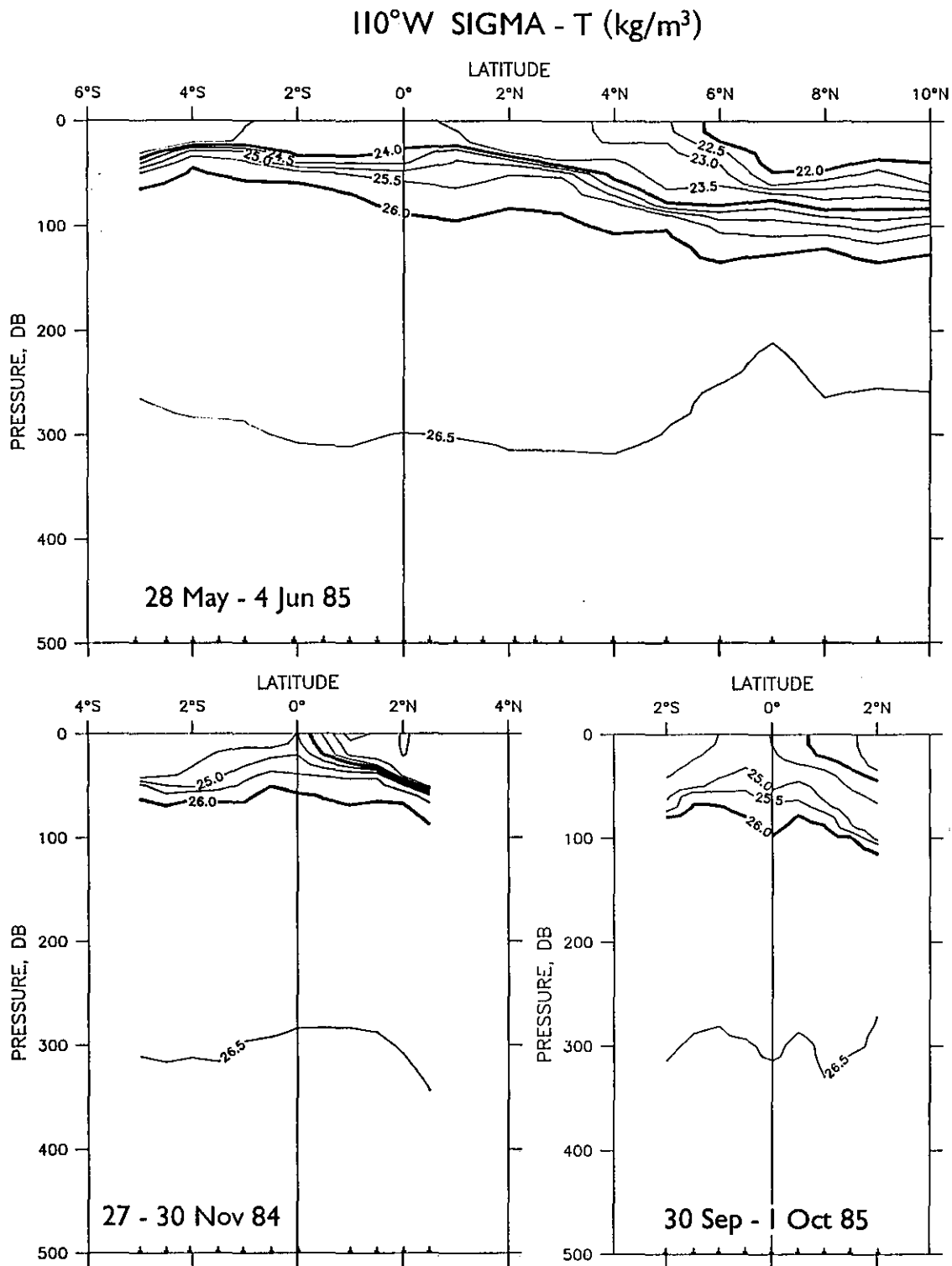


Figure 7.--Sigma-T (Kg/m^3) sections along 110°W in 1984 and 1985.

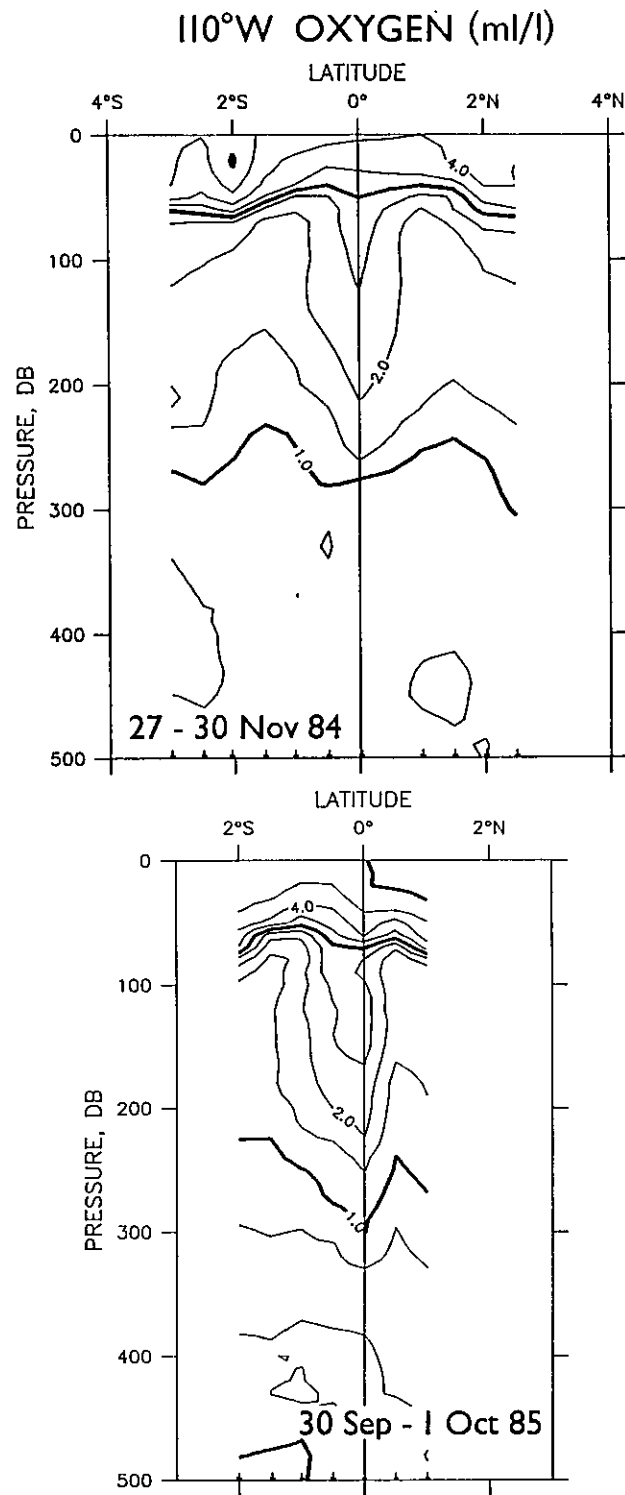


Figure 8.--Oxygen (ml/l) sections along 110°W in 1984 and 1985.

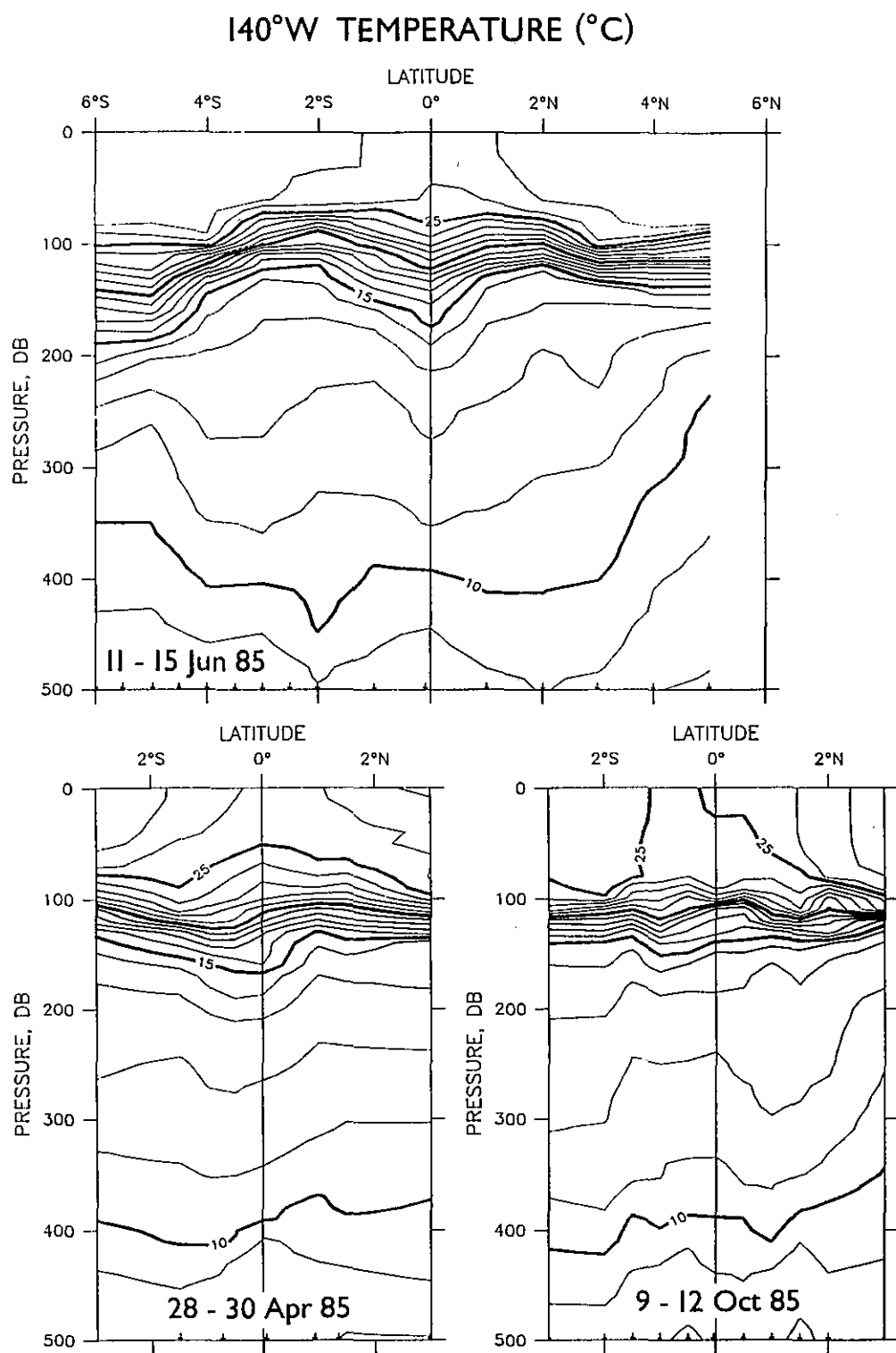


Figure 9.--Temperature (°C) sections along 140°W in 1985.

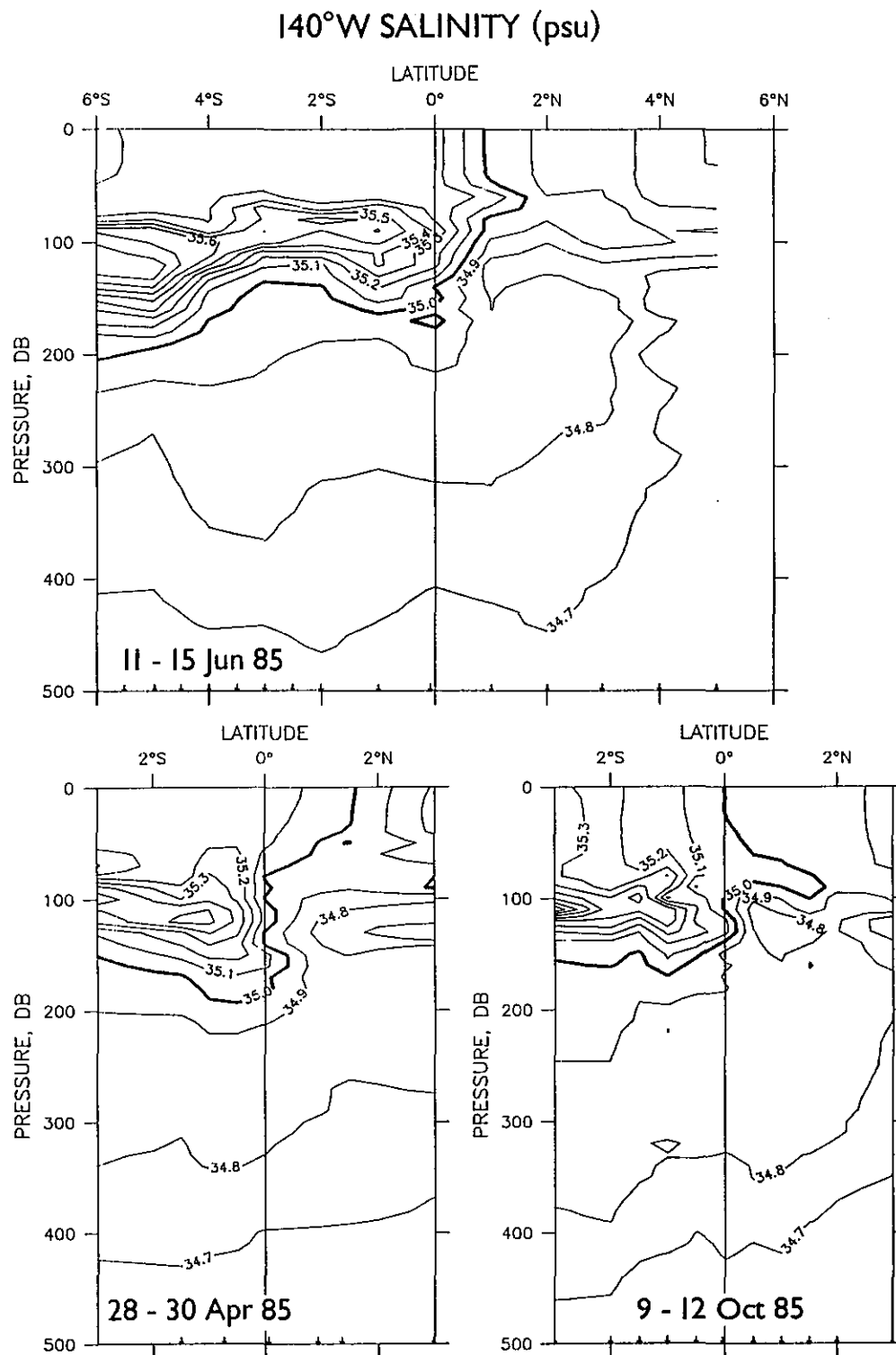


Figure 10.--Salinity (psu) sections along 140°W in 1985.

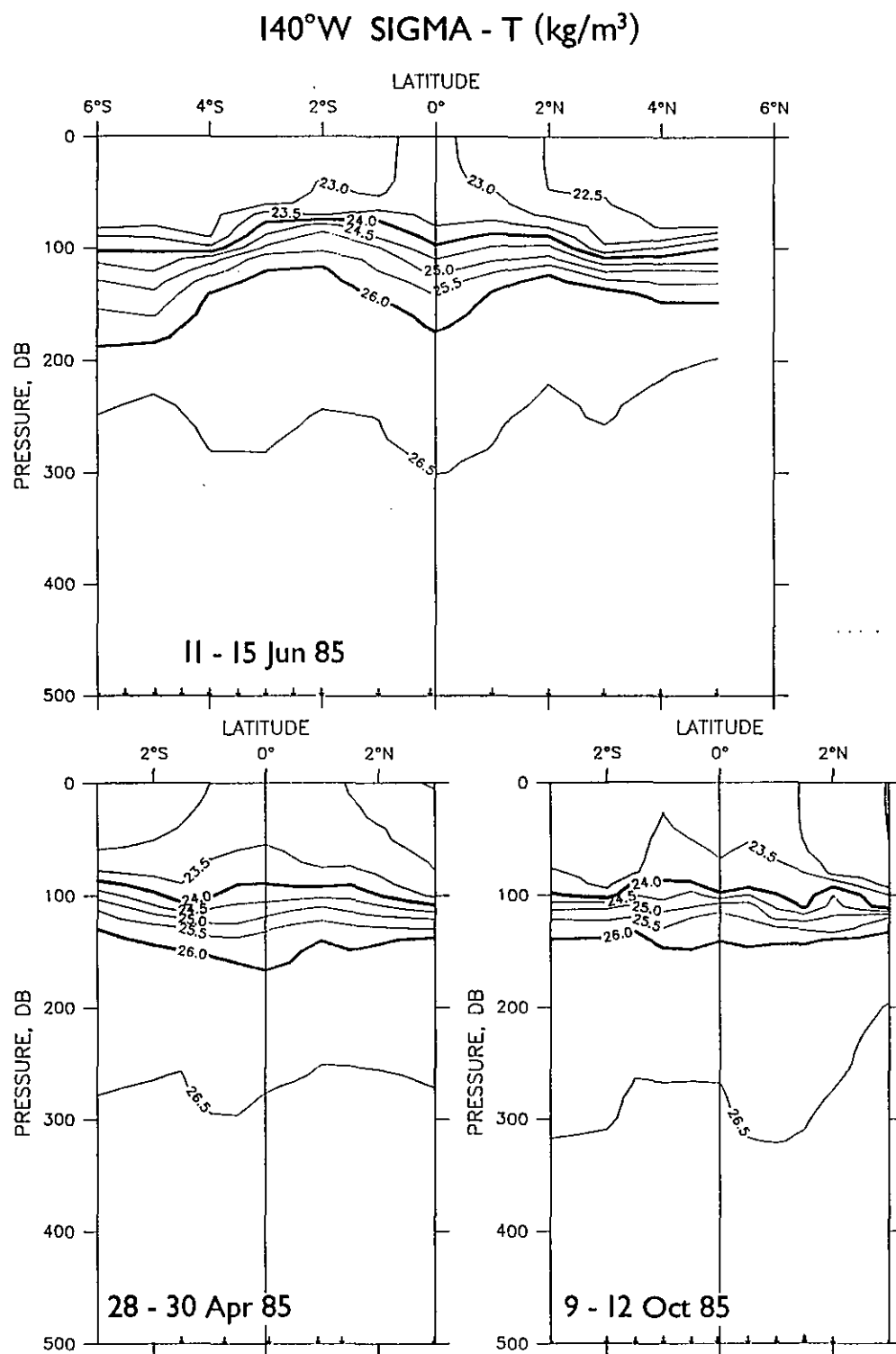


Figure 11.--Sigma-T (Kg/m^3) sections along 140°W in 1985.

EQUATOR TEMPERATURE (°C)

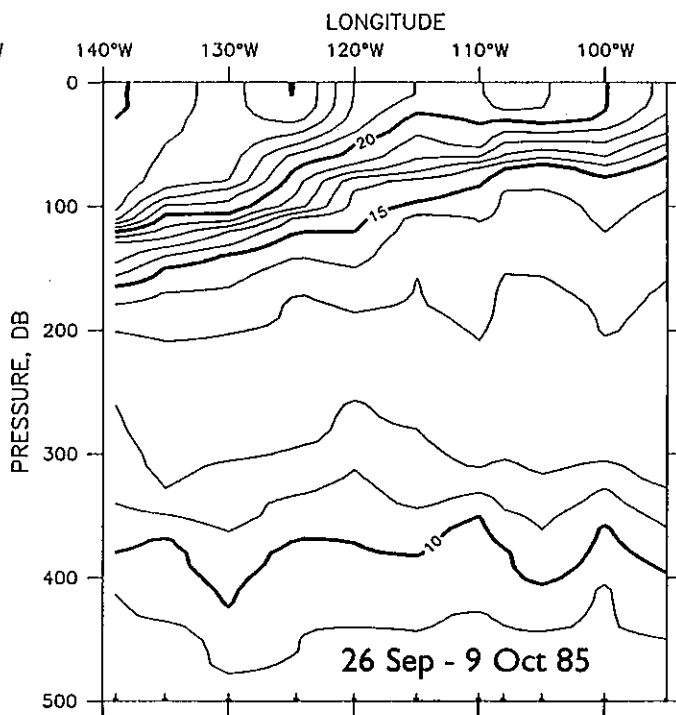
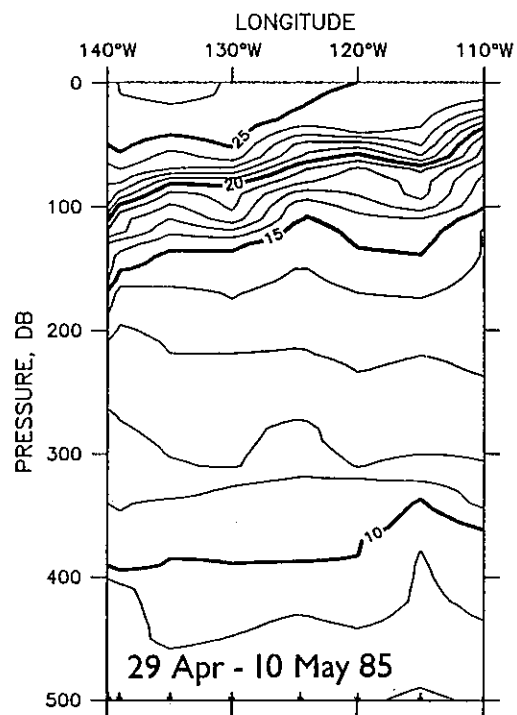
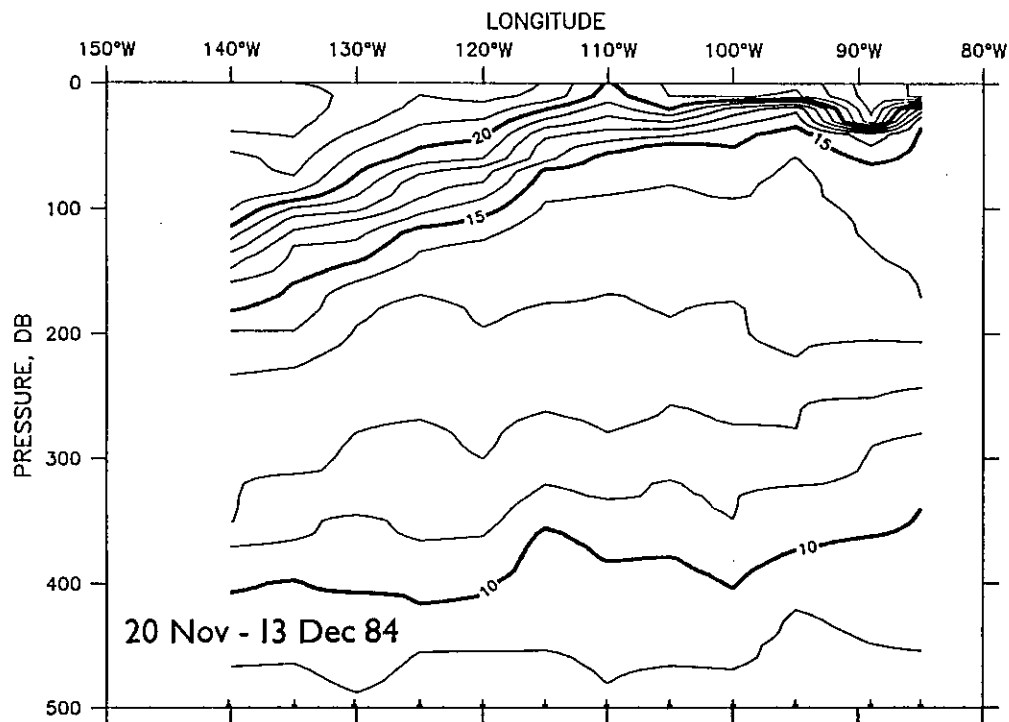


Figure 12.--Temperature (°C) sections along the equator in 1984 and 1985.

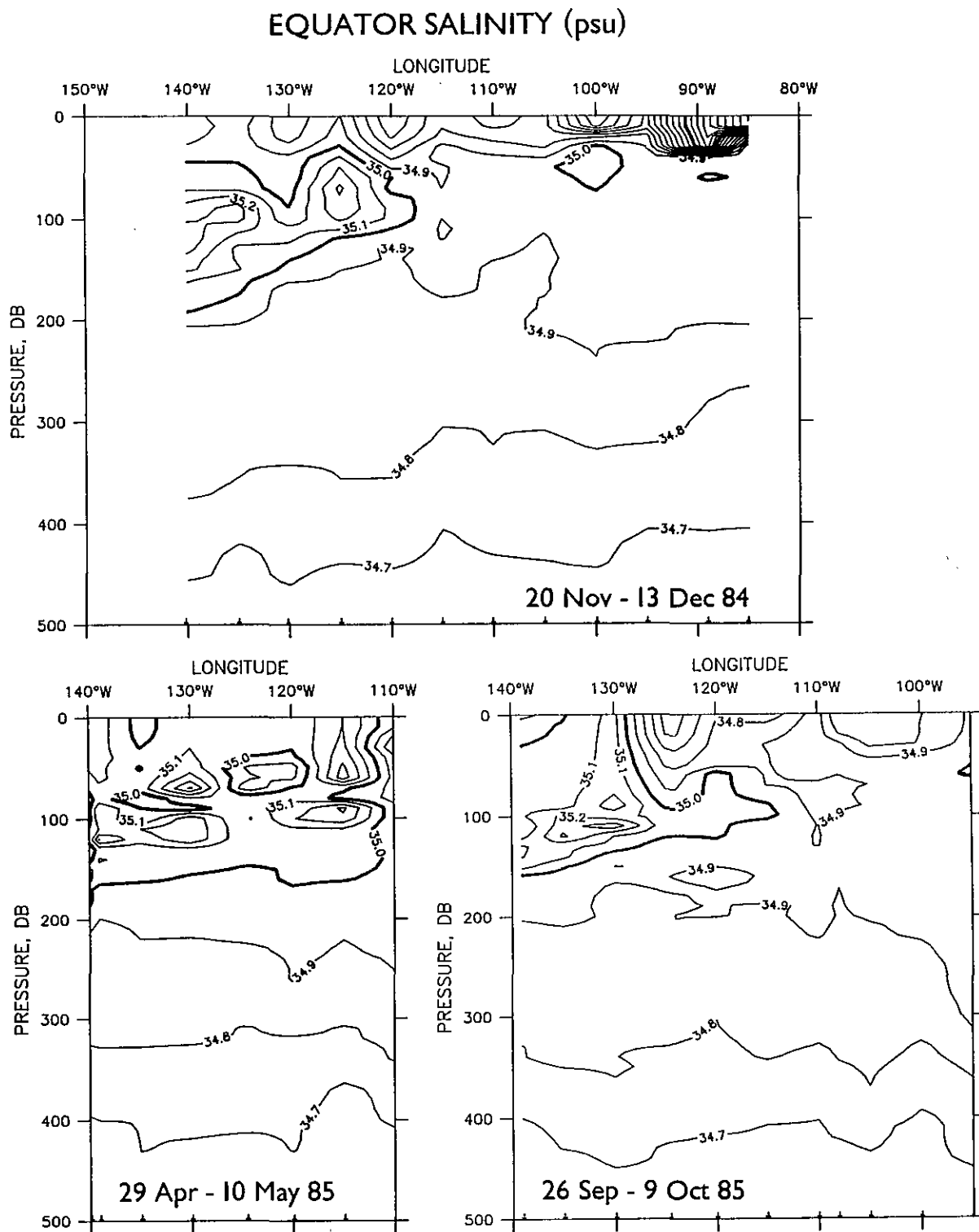


Figure 13.--Salinity (psu) sections along the equator in 1984 and 1985.

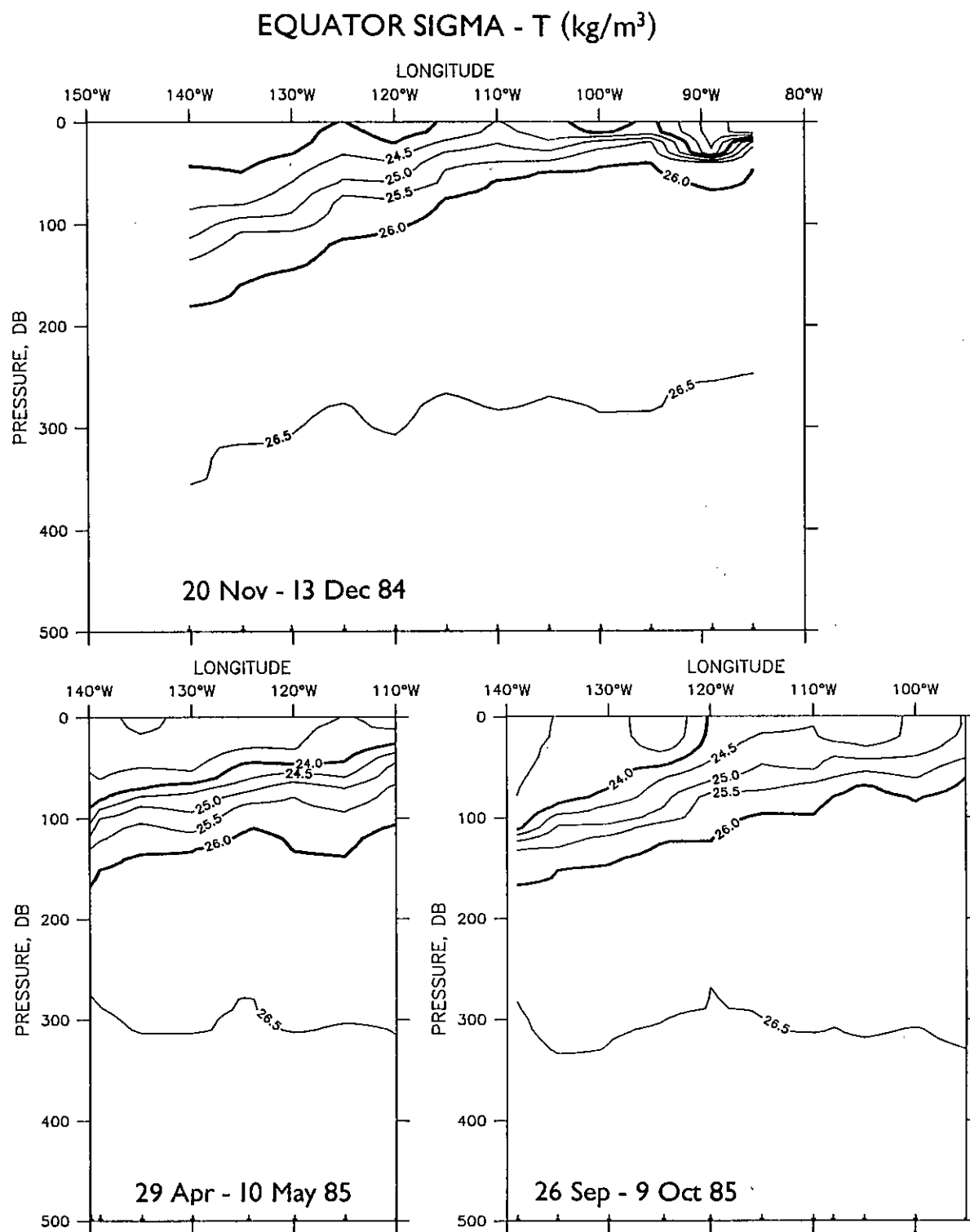


Figure 14.--Sigma-T (Kg/m^3) sections along the equator in 1984 and 1985.

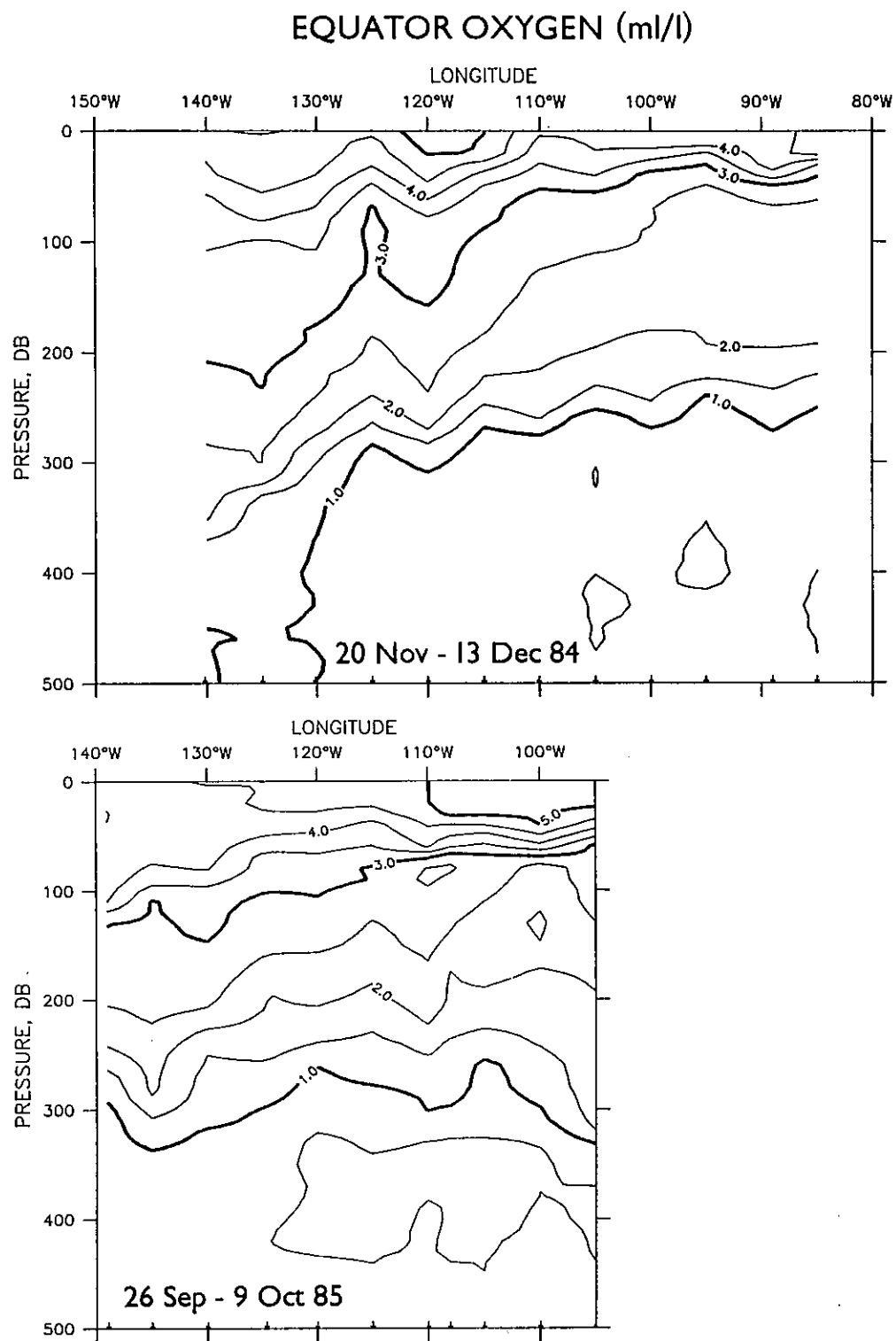


Figure 15. Oxygen (ml/l) sections along the equator in 1984 and 1985.

TABLE 1

Abbreviations and units used to
describe each set of CTD measurements

SALINITY	Salinity, practical salinity units (psu)
TEMPERATURE	Temperature, degrees Celsius (°C)
CAST EP2-82-DI-007	CTD measurement station 007 made from the NOAA research vessel DISCOVERER during 1982
DATE	Day, month, year
TIME	Hours and minutes, Greenwich Mean Time (GMT)
LAT	Latitude, degrees and minutes west
LONG	Longitude, degrees and minutes west
WEATHER	Present weather conditions (see Table 2)
SEA STATE	Present sea state conditions (see Table 3)
BAROMETER	Sea level atmospheric pressure, millibars (mb) over 1000 mb
WIND DIR	Wind direction, degrees True from which the wind blows
SPD	Wind speed, knots
VISIBILITY	Visibility (see Table 4)
CLOUD	Cloud type (see Table 5)
AMOUNT	Amount of cloud cover (see Table 6)
DRY	Dry air temperature, degrees Celsius
WET	Wet bulb temperature, degrees Celsius
DEPTH	Depth to the bottom, meters

TABLE 2

Weather condition code used to
describe each set of CTD measurements

<u>Code</u>	<u>Weather Condition</u>
0	Clear (no cloud)
1	Partly cloudy
2	Continuous layer(s) of cloud(s)
3	Sandstorm, dust storm, or blowing snow
4	Fog, thick dust or haze
5	Drizzle
6	Rain
7	Snow, or rain and snow mixed
8	Shower(s)
9	Thunderstorms

TABLE 3

Sea state code used to describe
each set of CTD measurements

<u>Code</u>	<u>Height (meters)</u>	<u>Description</u>
0	0	Calm-glassy
1	0 - 0.1	Calm-rippled
2	0.1 - 0.5	Smooth-wavelet
3	0.5 - 1.25	Slight
4	1.25 - 2.5	Moderate
5	2.5 - 4	Rough
6	4 - 6	Very rough
7	6 - 9	High
8	9 - 14	Very high
9	> 14	Phenomenal

TABLE 4

Visibility code used to describe
each set of CTD measurements

<u>Code</u>	<u>Visibility</u>
0	< 50 meters
1	50 - 200 meters
2	200 - 500 meters
3	500 - 1,000 meters
4	1 - 2 km
5	2 - 4 km
6	4 - 10 km
7	10 - 20 km
8	20 - 50 km
9	50 km or more

TABLE 5
Cloud Type

<u>Code</u>	<u>Cloud Types</u>
0	Cirrus
1	Cirrocumulus
2	Cirrostratus
3	Alto cumulus
4	Altostratus
5	Nimbostratus
6	Stratocumulus
7	Stratus
8	Cumulus
9	Cumulonimbus
x	Clouds not visible

TABLE 6
Cloud Amount

<u>Code</u>	<u>Cloud Amount</u>
0	0
1	1/10 or less but not zero
2	2/10 - 3/10
3	4/10
4	5/10
5	6/10
6	7/10 - 8/10
7	9/10
8	10/10
9	Sky obscured or not determined

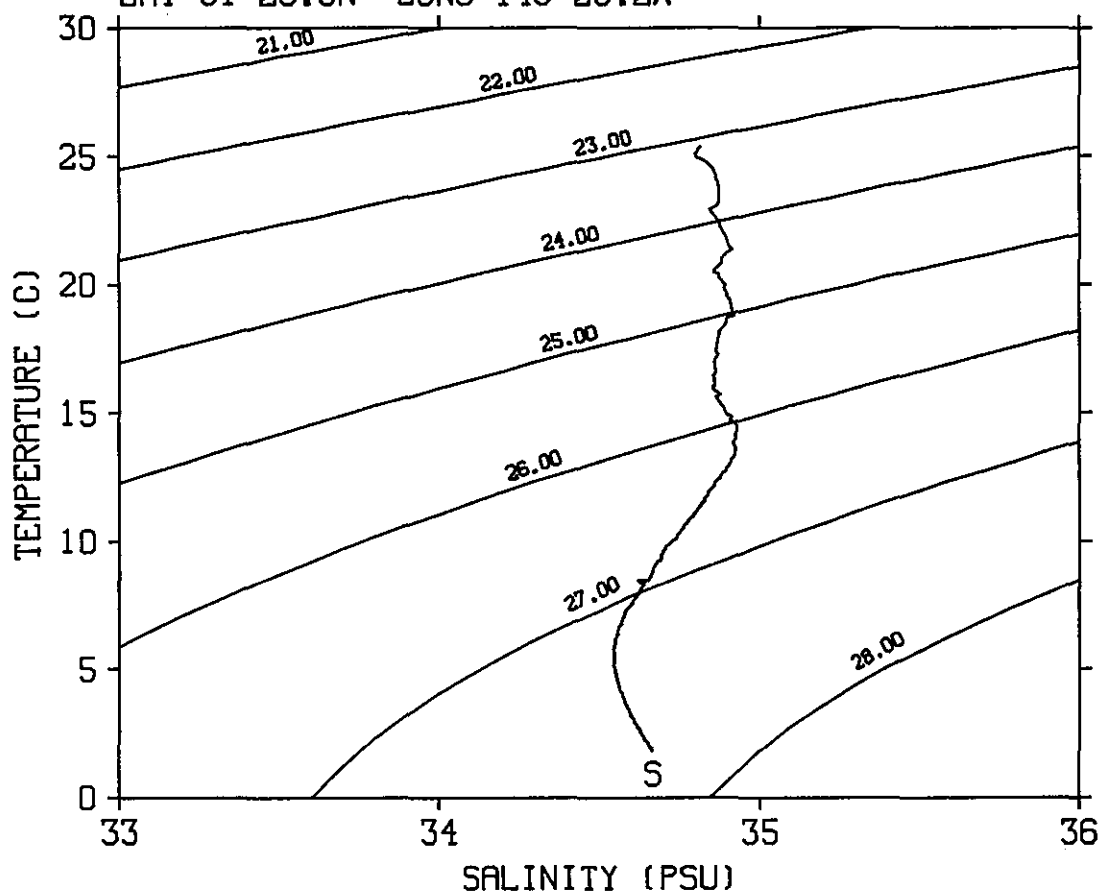
DATA

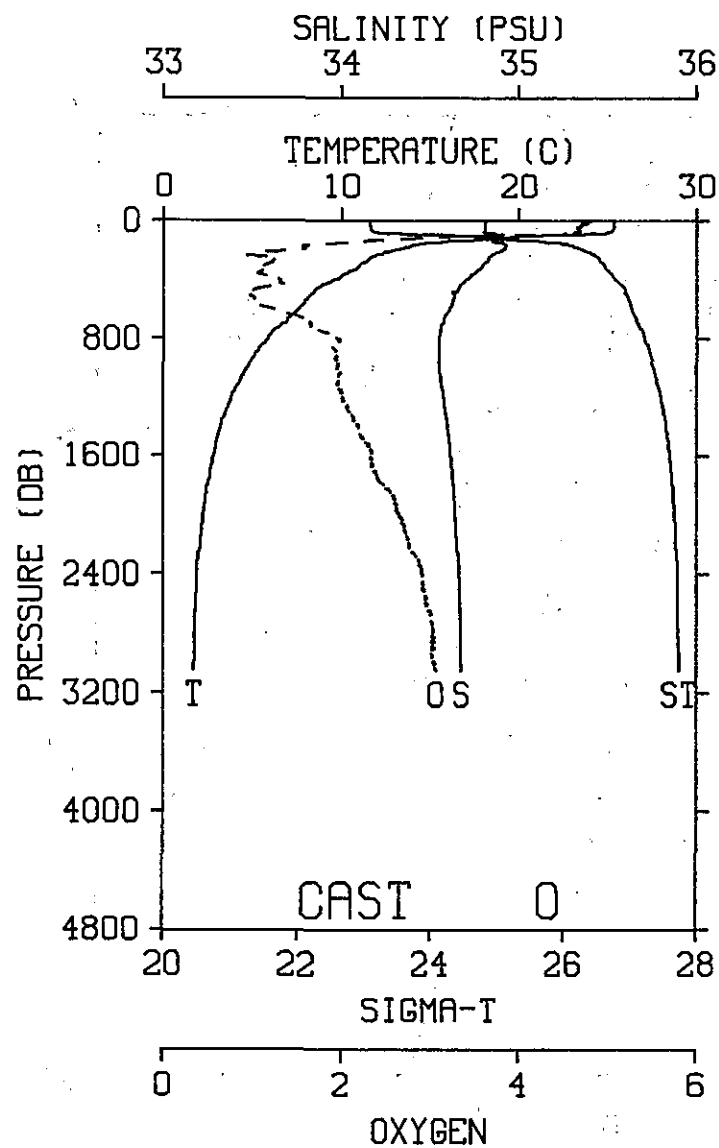
EP4-84-RS

13 November - 13 December 1984

NBIS CTD/O₂ Data Summary

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LAT 01 28.6N LONG 140 26.2W

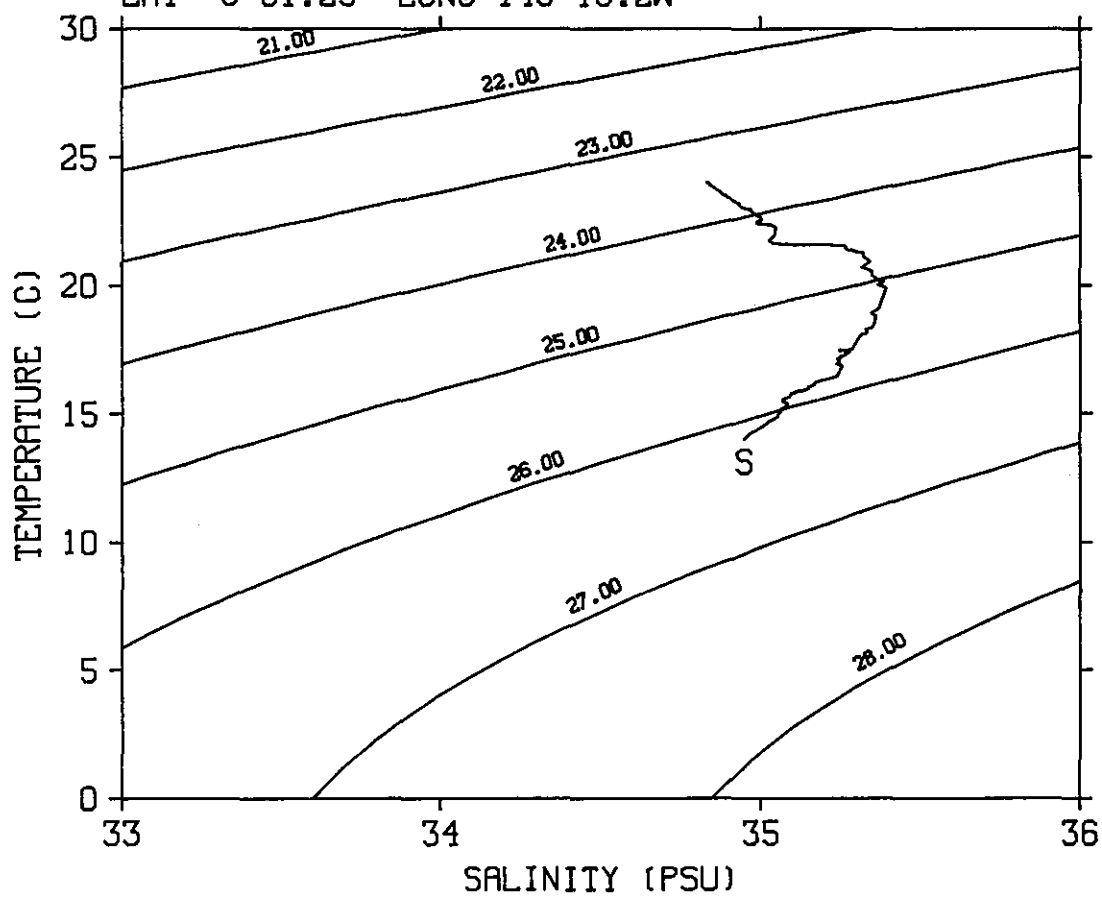




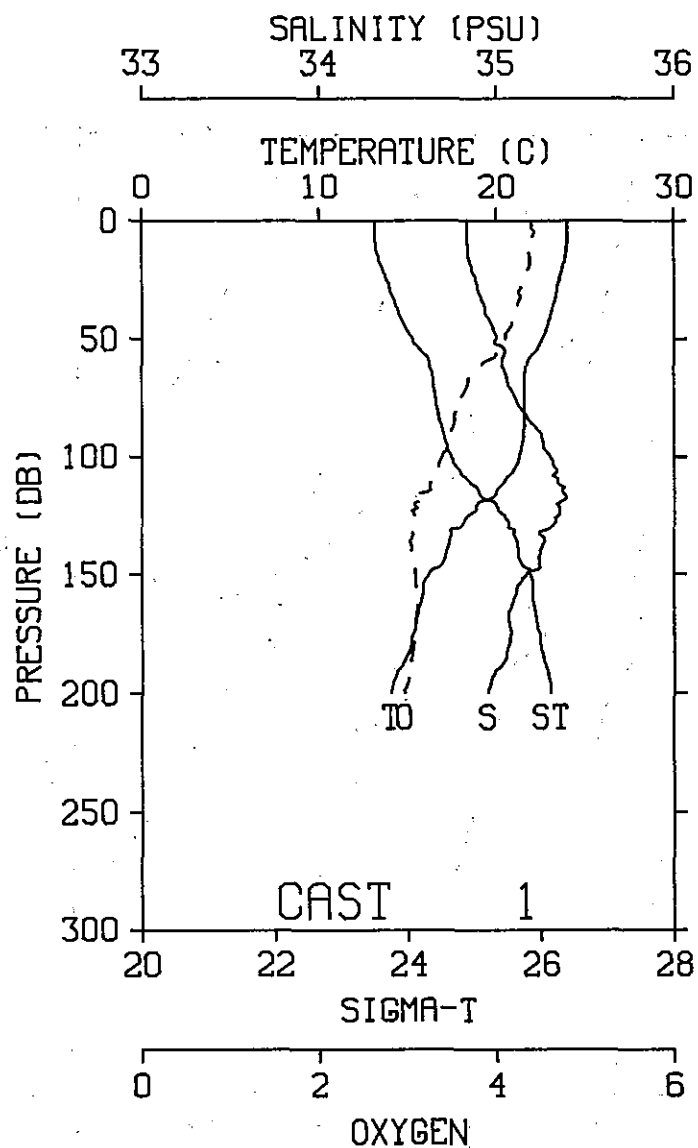
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 LAT 01 28.6N LONG 140 26.2W WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 104 T SPD 15 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 23.1 WET 21.3 DEPTH 6000 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.345	34.813	4.80	23.097	0.000
10.	25.344	34.813	4.79	23.097	0.048
20.	25.342	34.813	4.70	23.097	0.095
30.	25.337	34.813	4.76	23.098	0.143
40.	25.323	34.812	4.67	23.102	0.191
50.	25.310	34.811	4.65	23.105	0.239
60.	25.284	34.810	4.69	23.113	0.286
70.	25.242	34.807	4.70	23.124	0.334
80.	25.013	34.800	4.66	23.188	0.381
90.	23.971	34.868	4.51	23.551	0.427
100.	21.018	34.883	3.81	24.402	0.466
110.	19.849	34.888	3.16	24.717	0.499
120.	18.681	34.900	2.88	25.027	0.531
130.	17.390	34.863	2.64	25.317	0.559
140.	15.985	34.852	2.22	25.638	0.584
150.	14.906	34.894	2.09	25.912	0.607
160.	14.524	34.928	1.81	26.021	0.628
170.	13.982	34.927	1.56	26.136	0.648
180.	13.800	34.917	1.58	26.165	0.667
190.	13.460	34.922	1.55	26.240	0.685
200.	13.006	34.906	1.48	26.320	0.703
250.	11.649	34.830	1.20	26.524	0.785
300.	10.978	34.792	1.15	26.618	0.862
350.	10.389	34.755	1.07	26.694	0.935
400.	9.548	34.697	1.30	26.792	1.003
450.	8.766	34.667	1.17	26.895	1.067
500.	8.304	34.642	0.94	26.947	1.127
550.	7.913	34.623	1.04	26.991	1.186
600.	7.618	34.606	1.24	27.021	1.243
650.	7.179	34.581	1.49	27.064	1.298
700.	6.766	34.571	1.65	27.113	1.351
750.	6.122	34.552	1.75	27.183	1.402
800.	5.870	34.549	1.94	27.213	1.450
850.	5.477	34.549	1.92	27.261	1.497
900.	5.164	34.546	1.95	27.297	1.541
950.	4.922	34.549	1.96	27.327	1.584
1000.	4.711	34.553	1.96	27.354	1.625
1500.	2.980	34.609	2.24	27.575	1.974
2000.	2.229	34.641	2.65	27.666	2.251
2500.	1.860	34.664	2.93	27.714	2.495
3000.	1.710	34.674	3.04	27.733	2.727
3052.	1.698	34.674	3.07	27.734	2.751

CAST EP4-84-RS-001 DATE 20 NOV 84 TIME 0550 GMT
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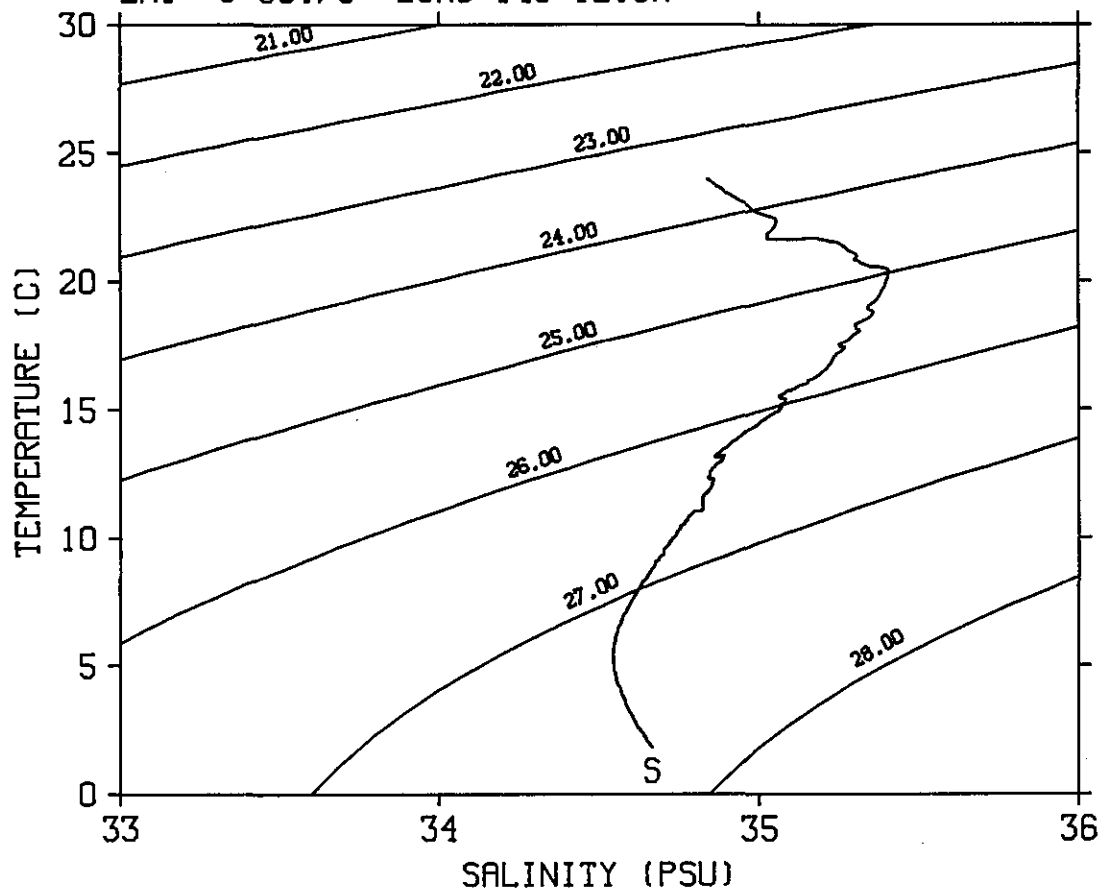


CAST EP4-84-RS-001 DATE 20 NOV 84 TIME 0550 GMT
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 BAROMETER 12 WIND DIR 090 T SPD 14 KT VISIBILITY
 CLOUD X AMOUNT 0 DRY 24.0 WET 22.0 DEPTH 4261 M

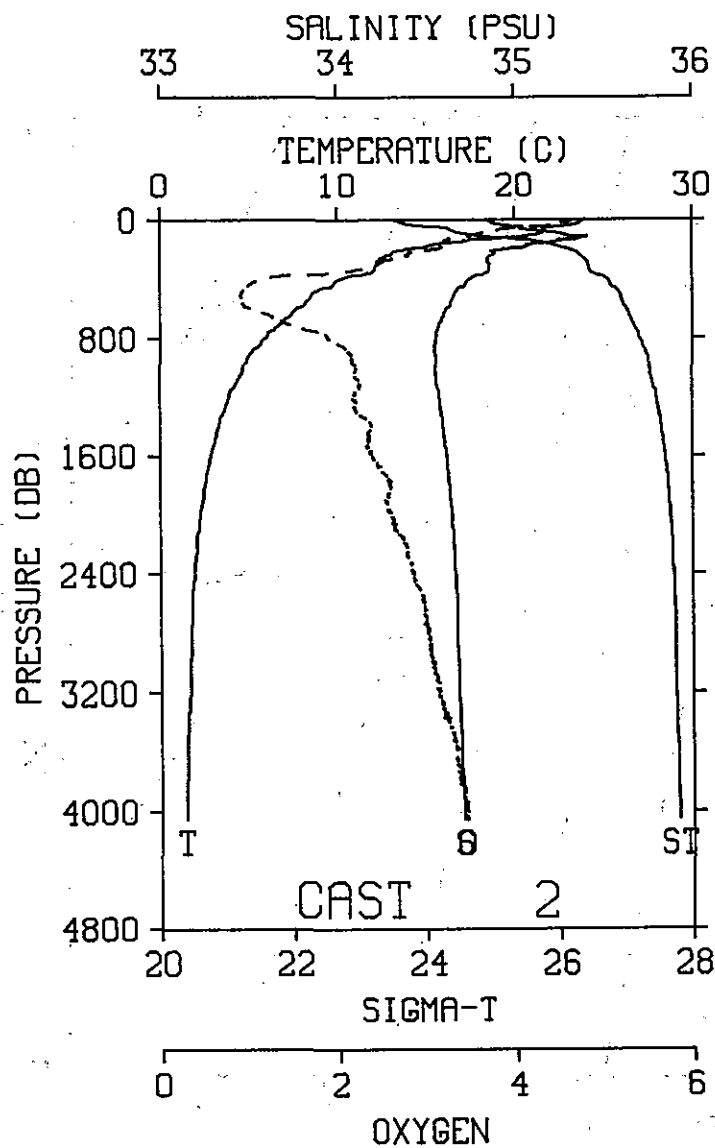


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.010	34.834	4.40	23.515	0.000
10.	23.983	34.838	4.39	23.526	0.044
20.	23.720	34.861	4.37	23.620	0.087
30.	23.411	34.899	4.26	23.739	0.129
40.	23.051	34.940	4.20	23.875	0.170
50.	22.555	35.003	4.08	24.065	0.209
60.	21.731	35.028	3.85	24.315	0.247
70.	21.595	35.069	3.67	24.385	0.283
80.	21.584	35.137	3.56	24.439	0.318
90.	21.539	35.247	3.48	24.536	0.353
100.	21.274	35.301	3.38	24.650	0.386
110.	20.470	35.350	3.27	24.905	0.419
120.	18.902	35.345	3.07	25.311	0.448
130.	17.976	35.308	3.05	25.515	0.474
140.	17.174	35.243	3.04	25.660	0.498
150.	16.168	35.168	3.08	25.839	0.521
160.	15.791	35.101	3.10	25.874	0.542
170.	15.413	35.068	3.10	25.933	0.564
180.	15.137	35.063	3.05	25.991	0.584
190.	14.465	34.999	3.03	26.088	0.605
200.	14.014	34.949	2.96	26.146	0.624

CAST EP4-84-RS-002 DATE 20 NOV 84 TIME 0804 GMT
LAT 0 00.7S LONG 140 12.9W

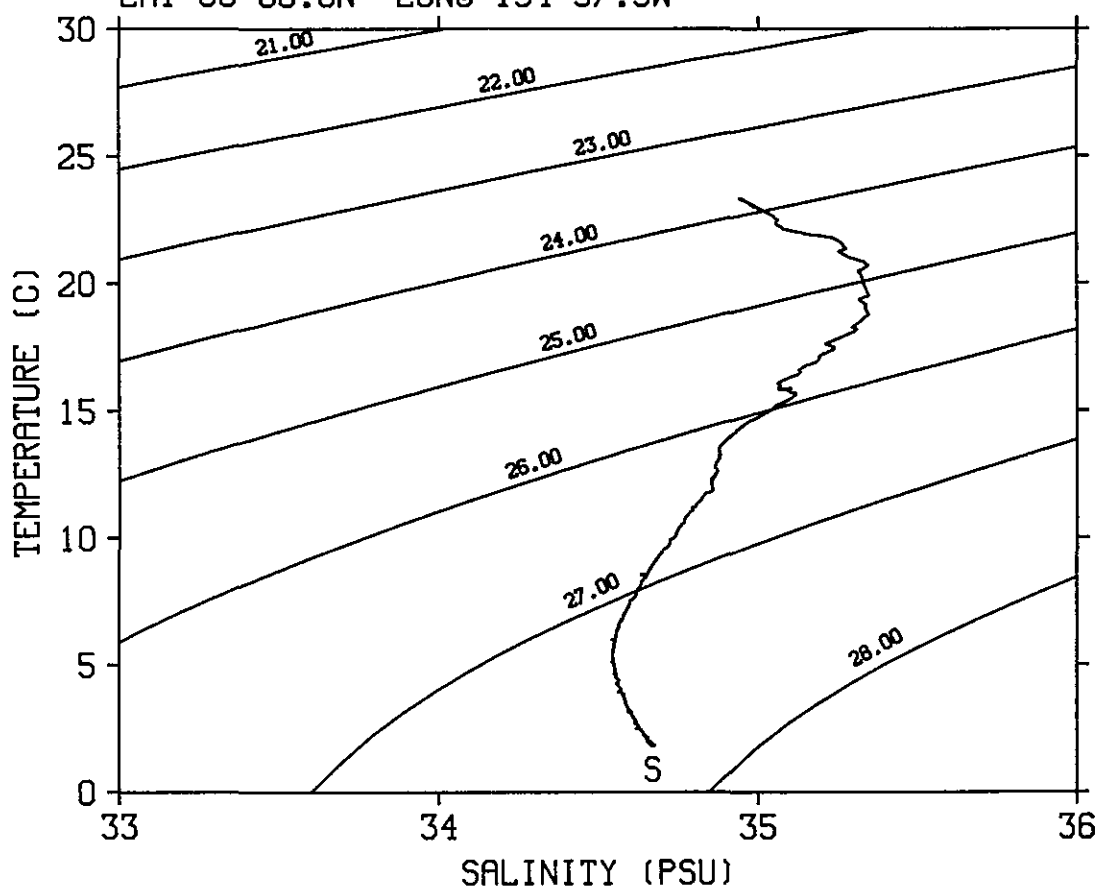


CAST EP4-84-RS-002 DATE 20 NOV 84 TIME 0804 GMT
 LAT 0 00.7S LONG 140 12.9W WEATHER 0 SEA STATE 3
 BAROMETER 12 WIND DIR 080 T SPD 15 KT VISIBILITY
 CLOUD X AMOUNT 0 DRY 23.8 WET 21.5 DEPTH 4264 M

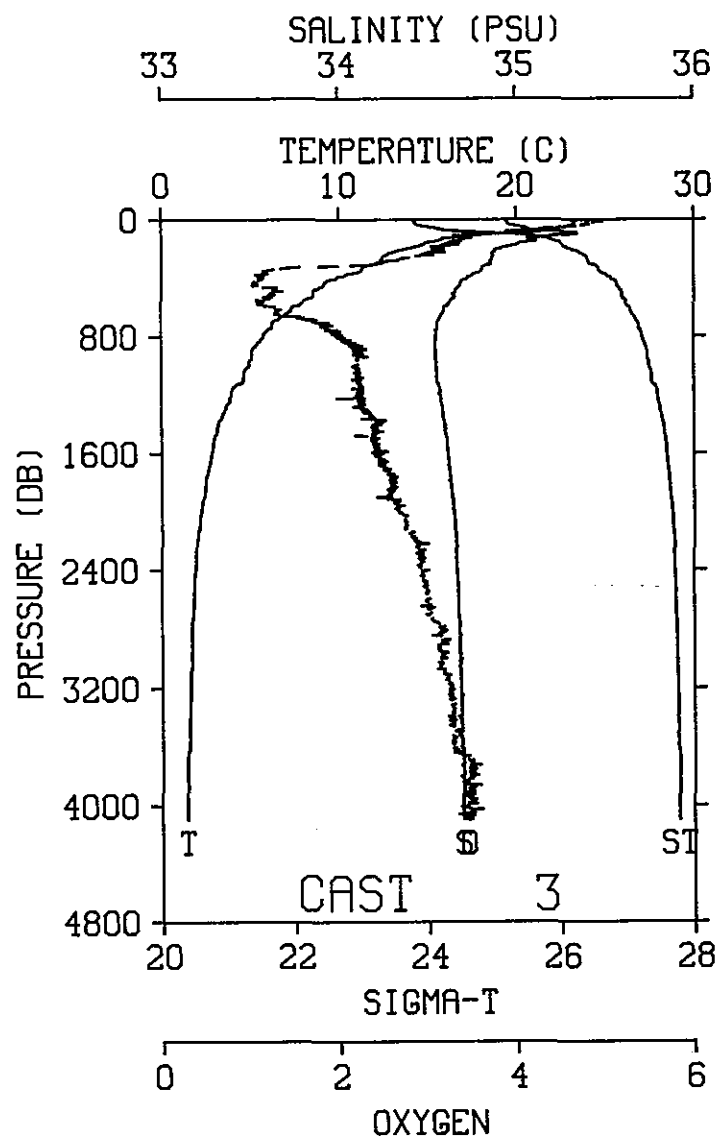


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	23.939	34.843	4.65	23.542	0.000
10.	23.932	34.844	4.61	23.545	0.043
20.	23.659	34.873	4.53	23.647	0.086
30.	23.389	34.906	4.48	23.751	0.128
40.	22.928	34.968	4.42	23.931	0.169
50.	22.340	35.054	4.19	24.165	0.208
60.	21.625	35.030	3.93	24.346	0.244
70.	21.612	35.085	3.82	24.392	0.280
80.	21.646	35.165	3.72	24.443	0.315
90.	21.521	35.233	3.63	24.529	0.350
100.	21.176	35.279	3.57	24.660	0.384
110.	20.559	35.341	3.49	24.874	0.416
120.	19.483	35.378	3.28	25.187	0.445
130.	18.706	35.355	3.27	25.368	0.473
140.	17.431	35.261	3.22	25.612	0.498
150.	16.941	35.228	3.21	25.704	0.521
160.	15.931	35.123	3.24	25.859	0.544
170.	15.454	35.062	3.24	25.920	0.565
180.	15.120	35.061	3.20	25.993	0.586
190.	14.573	35.015	3.17	26.077	0.606
200.	13.877	34.935	3.08	26.163	0.626
250.	12.686	34.855	2.76	26.344	0.715
300.	12.215	34.859	2.45	26.439	0.799
350.	12.056	34.853	2.07	26.465	0.882
400.	10.148	34.742	1.16	26.726	0.957
450.	9.644	34.714	1.00	26.789	1.025
500.	8.628	34.661	0.91	26.912	1.087
550.	8.269	34.642	0.91	26.953	1.148
600.	7.711	34.615	1.02	27.014	1.207
650.	7.328	34.597	1.25	27.056	1.262
700.	6.794	34.576	1.42	27.113	1.316
750.	6.269	34.560	1.70	27.170	1.367
800.	6.006	34.554	1.89	27.200	1.416
850.	5.628	34.549	2.04	27.243	1.462
900.	5.151	34.548	2.12	27.300	1.507
950.	4.895	34.550	2.15	27.331	1.549
1000.	4.667	34.555	2.21	27.360	1.591
1500.	3.127	34.603	2.35	27.556	1.944
2000.	2.234	34.645	2.61	27.669	2.225
2500.	1.839	34.667	2.91	27.717	2.470
3000.	1.689	34.675	3.08	27.736	2.700
3500.	1.503	34.688	3.28	27.760	2.925
4000.	1.399	34.704	3.45	27.780	3.139
4060.	1.401	34.704	3.43	27.780	3.164

CAST EP4-84-RS-003 DATE 21 NOV 84 TIME 1128 GMT
LAT 00 00.6N LONG 134 57.3W

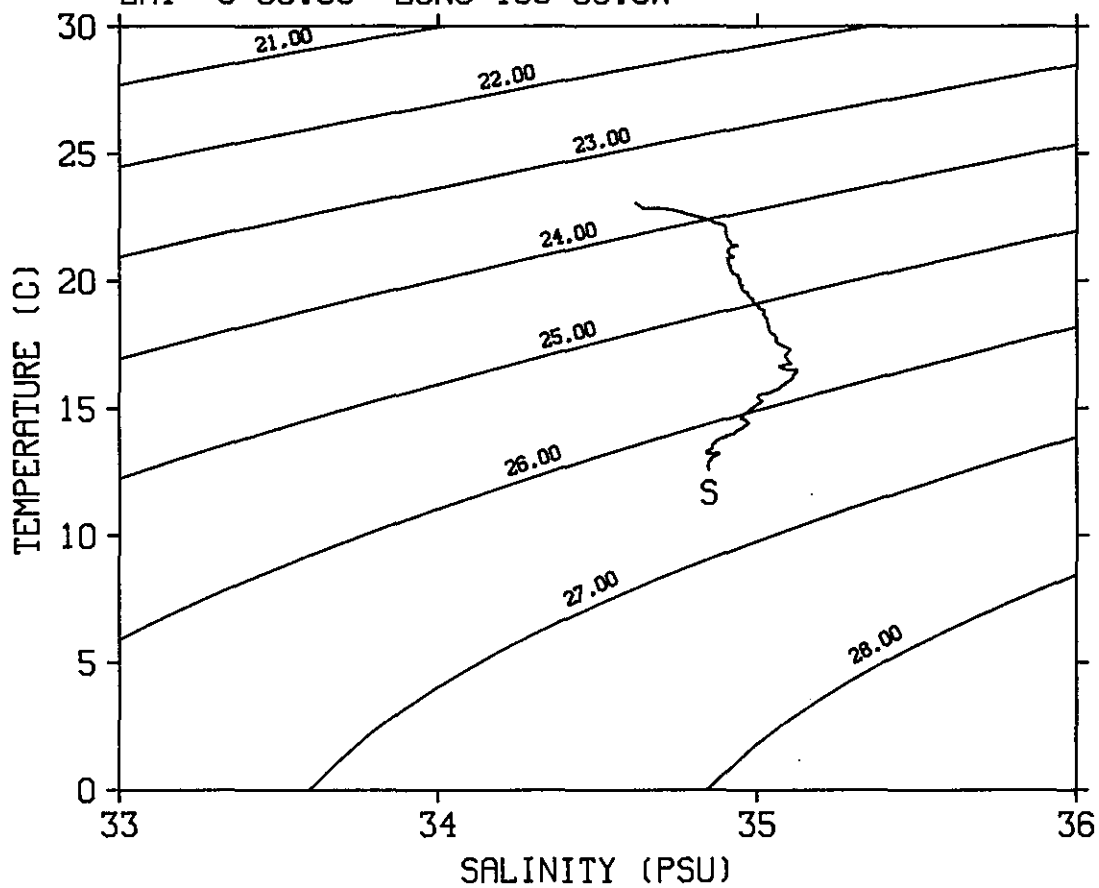


CAST EP4-84-RS-003 DATE 21 NOV 84 TIME 1128 GMT
 LAT 00 00.6N LONG 134 57.3W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 080 T SPD 13 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 23.3 WET 21.4 DEPTH 4283 M

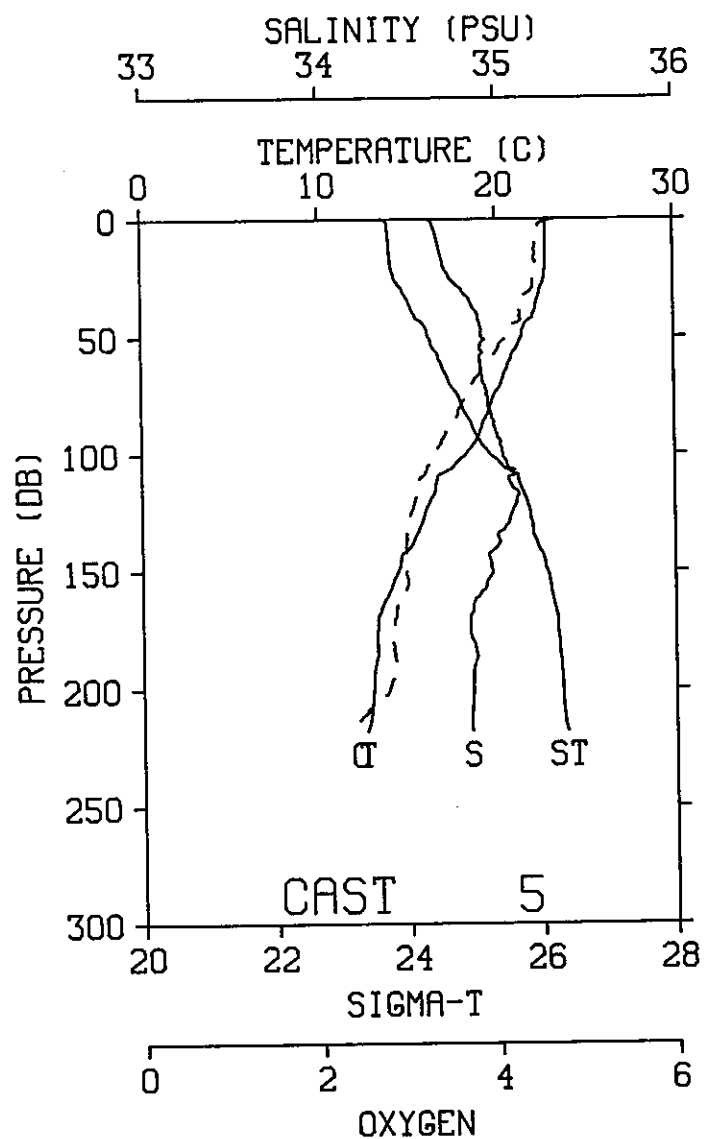


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.988	34.989	4.31	23.930	0.000
10.	23.351	34.944	4.91	23.791	0.041
20.	23.338	34.947	4.87	23.797	0.082
30.	23.295	34.953	4.81	23.814	0.123
40.	23.100	34.982	4.78	23.893	0.163
50.	22.798	35.023	4.63	24.010	0.203
60.	22.432	35.062	4.42	24.145	0.241
70.	22.176	35.075	4.27	24.227	0.279
80.	21.772	35.235	4.06	24.461	0.315
90.	20.703	35.345	3.71	24.839	0.349
100.	18.908	35.341	3.46	25.307	0.378
110.	17.518	35.233	3.39	25.570	0.403
120.	16.779	35.149	3.37	25.682	0.427
130.	15.975	35.071	3.46	25.809	0.450
140.	15.812	35.087	3.36	25.858	0.472
150.	15.543	35.109	3.28	25.936	0.493
160.	14.968	35.033	3.34	26.005	0.514
170.	14.841	35.017	3.22	26.020	0.534
180.	14.627	34.980	3.14	26.039	0.554
190.	14.244	34.934	3.17	26.085	0.574
200.	13.939	34.910	3.16	26.131	0.594
250.	12.586	34.871	2.89	26.376	0.684
300.	12.253	34.856	2.50	26.429	0.768
350.	11.275	34.804	1.19	26.573	0.846
400.	9.899	34.723	1.13	26.754	0.919
450.	9.155	34.684	1.02	26.846	0.985
500.	8.557	34.652	1.26	26.915	1.047
550.	8.107	34.632	1.08	26.969	1.108
600.	7.393	34.597	1.31	27.046	1.166
650.	6.990	34.580	1.33	27.090	1.220
700.	6.330	34.559	1.72	27.162	1.272
750.	6.112	34.555	1.88	27.187	1.321
800.	5.780	34.548	1.97	27.224	1.368
850.	5.427	34.544	2.10	27.264	1.414
900.	5.118	34.547	2.23	27.303	1.458
950.	5.110	34.547	2.22	27.304	1.502
1000.	4.959	34.548	2.17	27.322	1.544
1500.	2.969	34.609	2.39	27.576	1.901
2000.	2.219	34.646	2.68	27.670	2.179
2500.	1.818	34.678	3.01	27.728	2.421
3000.	1.668	34.677	3.15	27.739	2.649
3500.	1.522	34.684	3.32	27.755	2.870
4000.	1.413	34.697	3.44	27.773	3.085
4100.	1.422	34.697	3.45	27.773	3.128

CAST EP4-84-RS-005 DATE 22 NOV 84 TIME 1459 GMT
LAT 0 00.5S LONG 130 00.0W

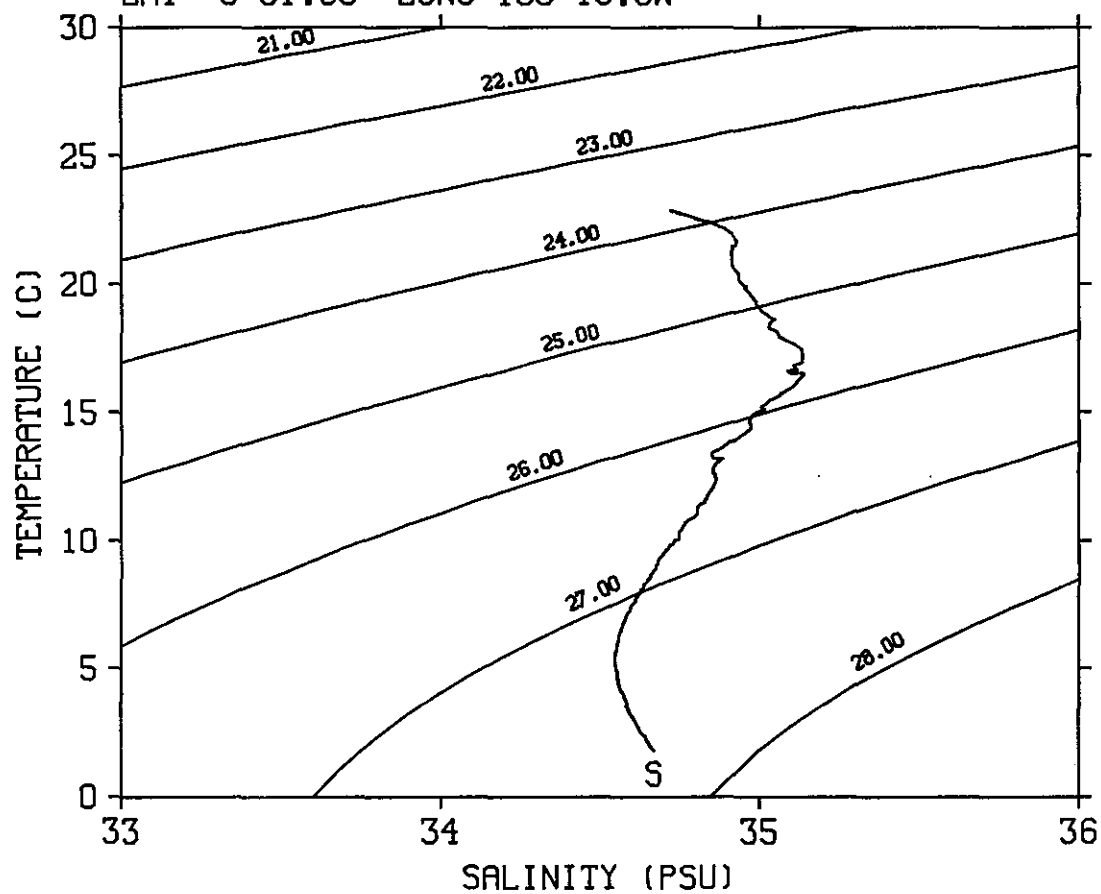


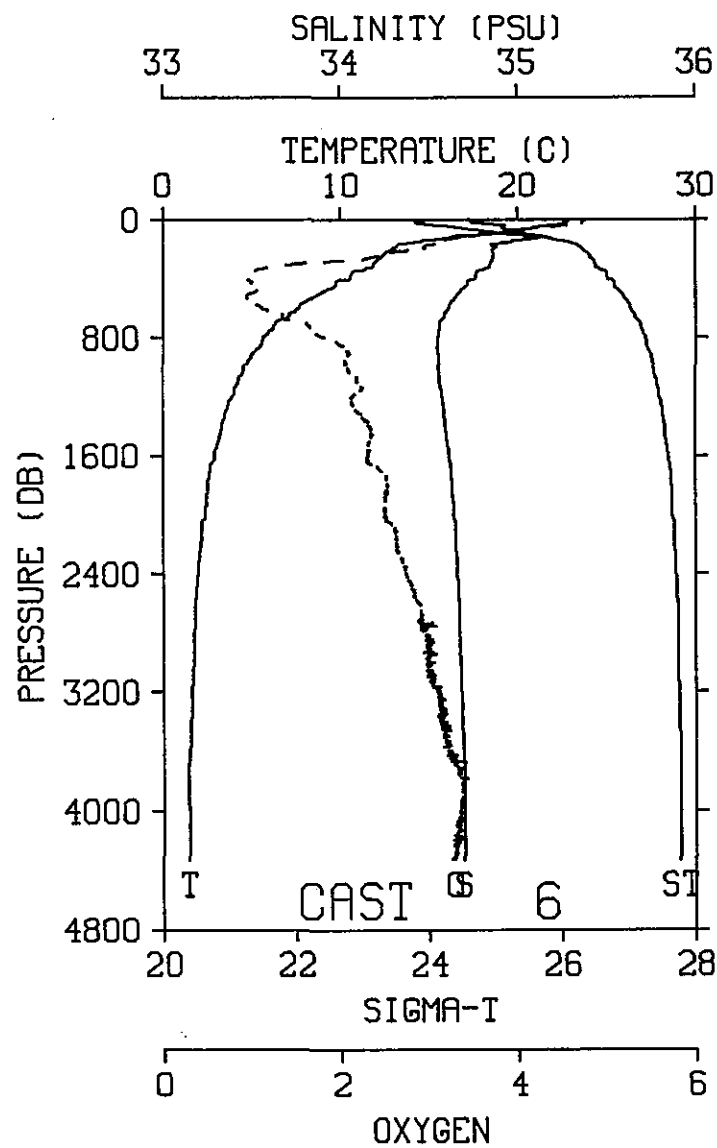
CAST EP4-84-RS-005 DATE 22 NOV 84 TIME 1459 GMT
 LAT 0 00.5S LONG 130 00.0W WEATHER 1 SEA STATE 5
 BAROMETER 14 WIND DIR 090 T SPD 13 KT VISIBILITY 9
 CLOUD 8 AMOUNT 4 DRY 22.5 WET 20.3 DEPTH M



PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	23.034	34.619	4.67	23.637	0.000
10.	22.832	34.678	4.45	23.739	0.042
20.	22.817	34.707	4.45	23.766	0.083
30.	22.488	34.813	4.40	23.940	0.124
40.	22.113	34.898	4.28	24.110	0.163
50.	21.431	34.916	4.11	24.313	0.200
60.	20.805	34.911	3.92	24.481	0.235
70.	20.257	34.927	3.73	24.639	0.269
80.	19.628	34.956	3.60	24.827	0.301
90.	19.071	34.994	3.44	25.000	0.332
100.	18.282	35.034	3.31	25.229	0.360
110.	16.635	35.065	3.15	25.651	0.386
120.	16.239	35.111	3.08	25.779	0.409
130.	15.735	35.064	3.01	25.858	0.431
140.	15.099	34.997	2.97	25.949	0.453
150.	14.401	34.973	2.98	26.082	0.473
160.	13.811	34.901	2.95	26.150	0.492
170.	13.232	34.842	2.85	26.224	0.511
180.	13.186	34.862	2.81	26.249	0.529
190.	13.070	34.865	2.85	26.275	0.547
200.	12.946	34.855	2.77	26.292	0.565
218.	12.571	34.850	2.43	26.362	0.596

CAST EP4-84-RS-006 DATE 22 NOV 84 TIME 1701 GMT
LAT 0 01.9S LONG 130 10.8W

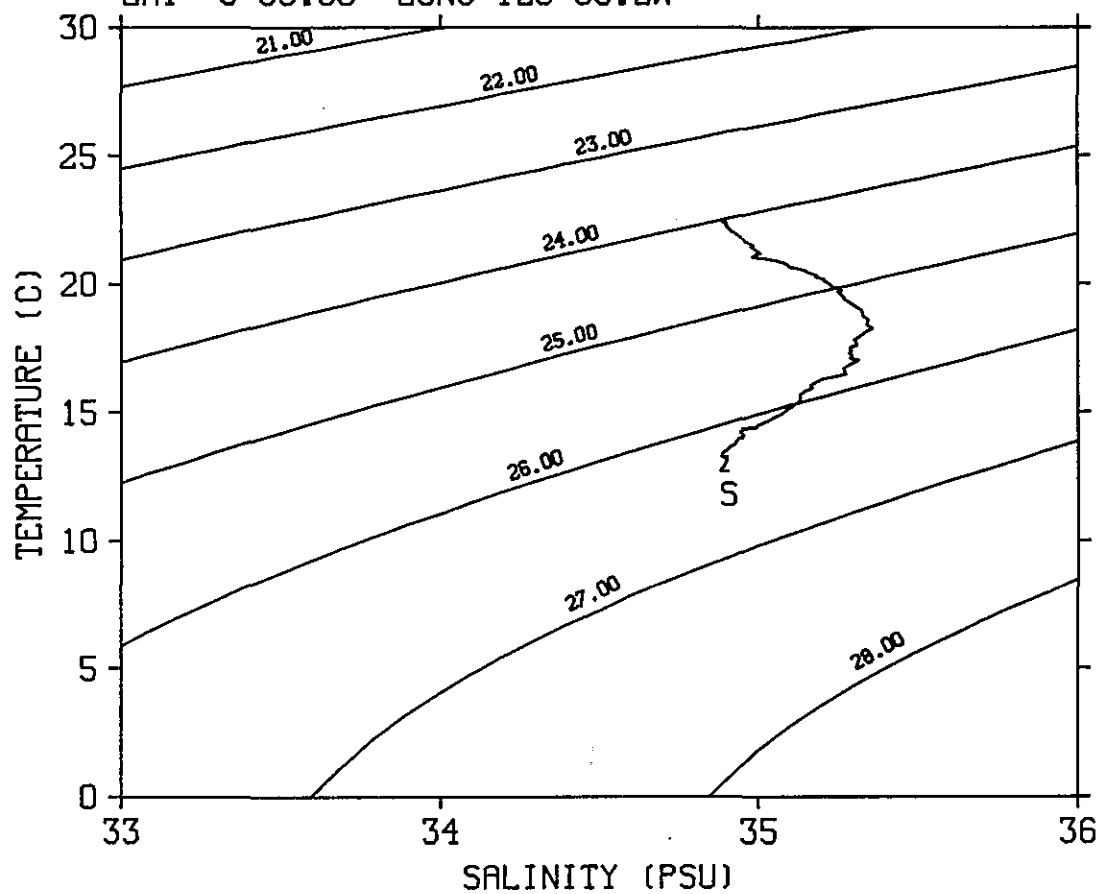




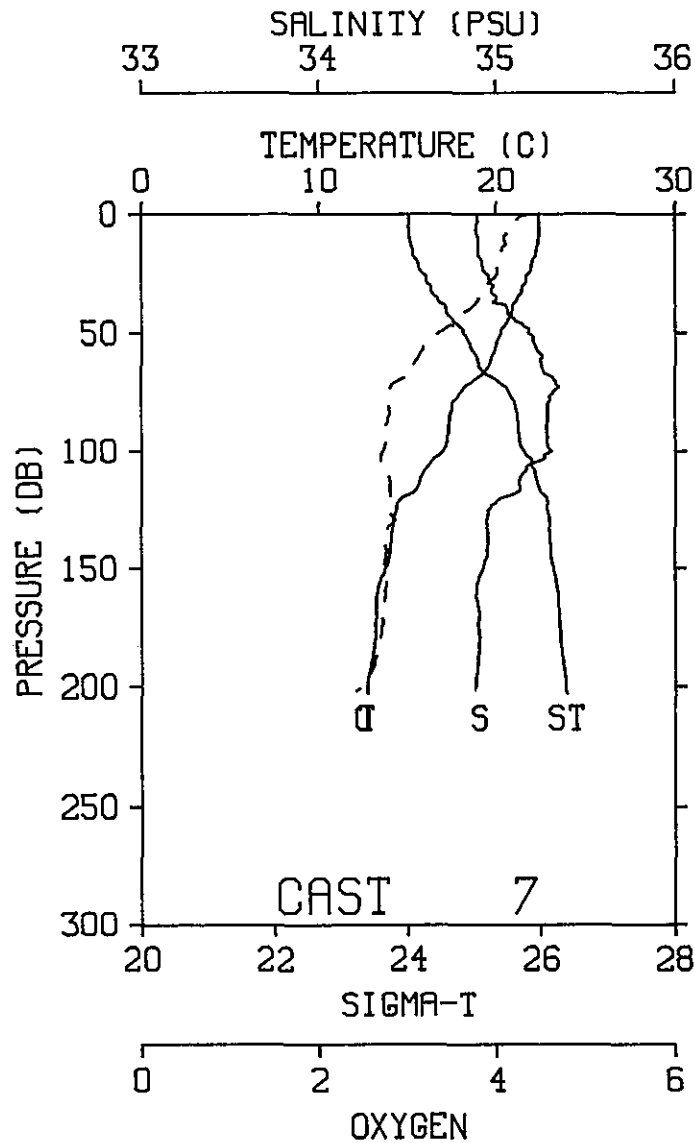
CAST: EP4-84-RS-006 DATE 22 NOV 84 TIME 1701 GMT
 LAT 0 01.9S LONG 130 10.8W WEATHER 1 SEA STATE 5
 BAROMETER 13 WIND DIR 090 T SPD 14 KT VISIBILITY 9
 CLOUD 8 AMOUNT 4 DRY 23.0 WET 21.0 DEPTH 4531 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.847	34.724	4.78	23.770	0.000
10.	22.803	34.734	4.76	23.790	0.041
20.	22.733	34.755	4.72	23.826	0.082
30.	22.454	34.822	4.64	23.956	0.122
40.	21.845	34.918	4.52	24.200	0.161
50.	21.249	34.912	4.33	24.360	0.197
60.	20.751	34.915	4.16	24.498	0.232
70.	20.242	34.936	4.00	24.650	0.266
80.	19.710	34.961	3.72	24.809	0.298
90.	19.077	34.996	3.68	24.999	0.329
100.	18.364	35.027	3.57	25.204	0.358
110.	16.934	35.133	3.50	25.633	0.384
120.	16.367	35.131	3.35	25.765	0.407
130.	15.751	35.070	3.26	25.859	0.429
140.	15.221	35.008	3.18	25.930	0.451
150.	14.474	34.973	3.15	26.066	0.471
160.	13.914	34.919	3.14	26.143	0.490
170.	13.255	34.850	3.06	26.226	0.509
180.	13.168	34.854	2.97	26.246	0.527
190.	13.056	34.876	2.96	26.286	0.545
200.	12.933	34.863	2.89	26.301	0.563
250.	12.342	34.862	2.39	26.417	0.648
300.	11.873	34.846	1.53	26.494	0.729
350.	10.673	34.766	1.04	26.653	0.807
400.	10.507	34.759	0.95	26.677	0.880
450.	9.643	34.710	0.97	26.786	0.947
500.	8.782	34.665	1.00	26.891	1.012
550.	8.075	34.629	0.97	26.972	1.073
600.	7.652	34.609	1.12	27.018	1.130
650.	7.098	34.585	1.34	27.078	1.185
700.	6.325	34.559	1.57	27.162	1.237
750.	6.104	34.556	1.65	27.189	1.286
800.	5.651	34.548	1.79	27.239	1.333
850.	5.515	34.545	1.99	27.254	1.379
900.	5.107	34.547	2.07	27.304	1.424
950.	4.879	34.552	2.05	27.334	1.466
1000.	4.576	34.554	2.07	27.370	1.507
1500.	3.110	34.602	2.35	27.557	1.858
2000.	2.381	34.637	2.50	27.650	2.141
2500.	1.881	34.664	2.81	27.712	2.390
3000.	1.710	34.674	2.97	27.733	2.622
3500.	1.505	34.688	3.17	27.760	2.847
4000.	1.422	34.694	3.37	27.770	3.062
4337.	1.460	34.695	3.29	27.768	3.210

CAST EP4-84-RS-007 DATE 23 NOV 84 TIME 2002 GMT
LAT 0 00.5S LONG 125 00.2W

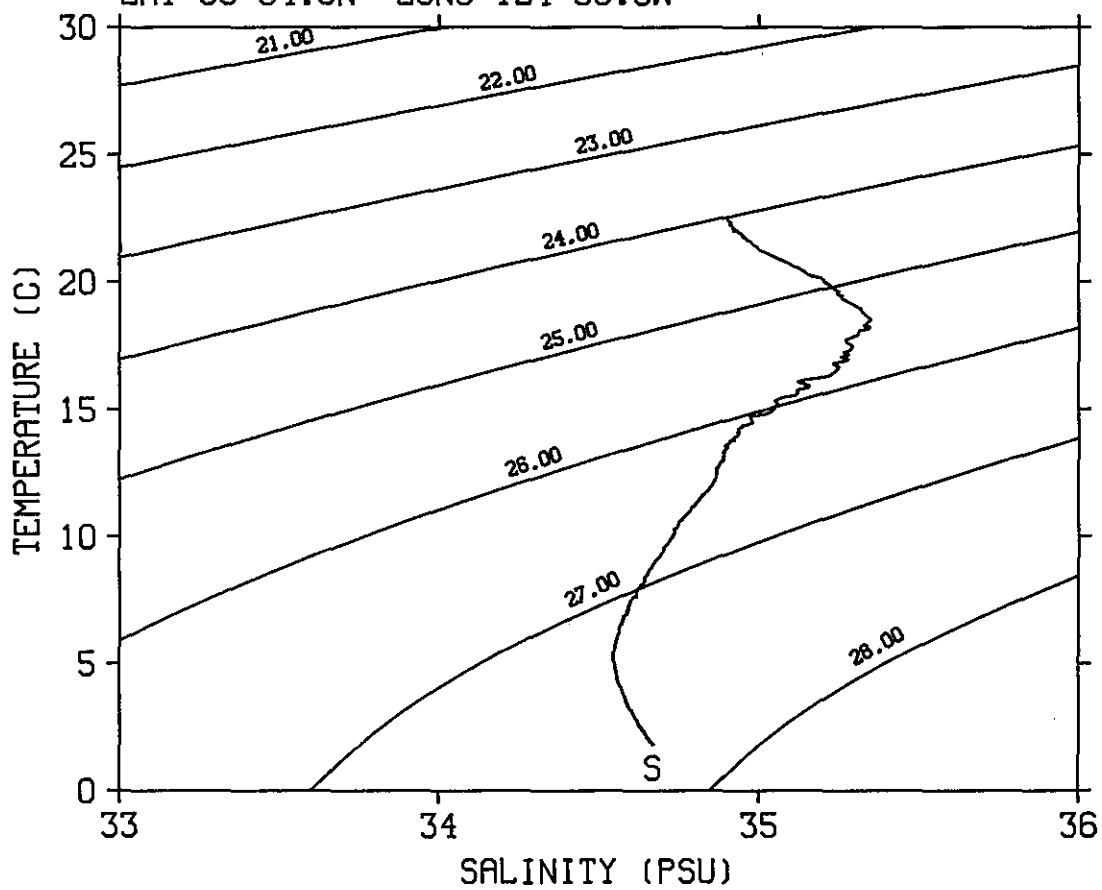


CAST EP4-84-RS-007 DATE 23 NOV 84 TIME 2002 GMT
 LAT 0 00.5S LONG 125 00.2W WEATHER 2 SEA STATE 4
 BAROMETER 13 WIND DIR 100 T SPD 14 KT VISIBILITY 7
 CLOUD 3 AMOUNT 6 DRY 22.2 WET 20.6 DEPTH 4603 M

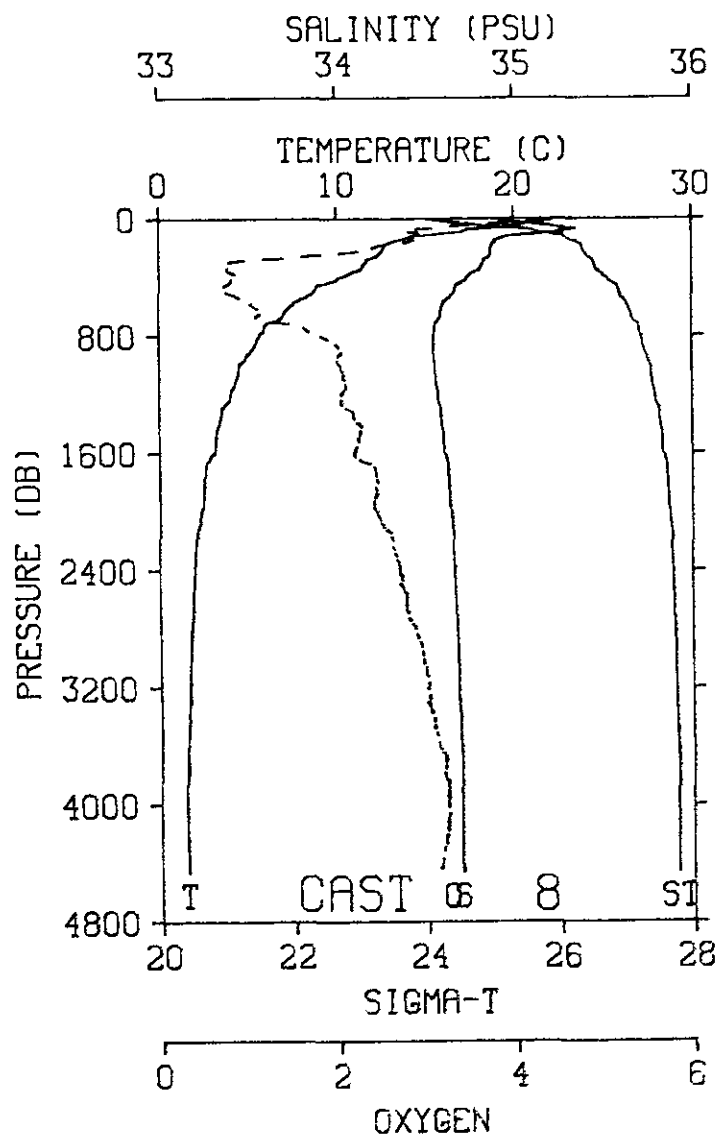


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.420	34.894	4.43	24.021	0.000
10.	22.397	34.896	4.09	24.028	0.039
20.	22.035	34.916	4.06	24.146	0.077
30.	21.479	34.982	3.89	24.351	0.114
40.	20.868	35.061	3.69	24.578	0.149
50.	20.257	35.173	3.34	24.827	0.181
60.	19.721	35.258	3.12	25.033	0.212
70.	18.720	35.325	2.90	25.342	0.240
80.	17.497	35.285	2.80	25.614	0.265
90.	17.298	35.283	2.74	25.661	0.289
100.	16.991	35.309	2.72	25.754	0.312
110.	15.773	35.142	2.78	25.910	0.334
120.	14.587	35.020	2.81	26.078	0.354
130.	14.144	34.940	2.84	26.111	0.374
140.	14.023	34.951	2.76	26.145	0.393
150.	13.731	34.924	2.74	26.185	0.412
160.	13.289	34.885	2.74	26.246	0.430
170.	13.208	34.903	2.72	26.276	0.448
180.	13.126	34.901	2.68	26.292	0.466
190.	12.911	34.891	2.62	26.327	0.483
200.	12.686	34.880	2.46	26.363	0.500
204.	12.178	36.398	2.11	27.641	0.507

CAST EP4-84-RS-008 DATE 23 NOV 84 TIME 2221 GMT
LAT 00 04.3N LONG 124 58.9W

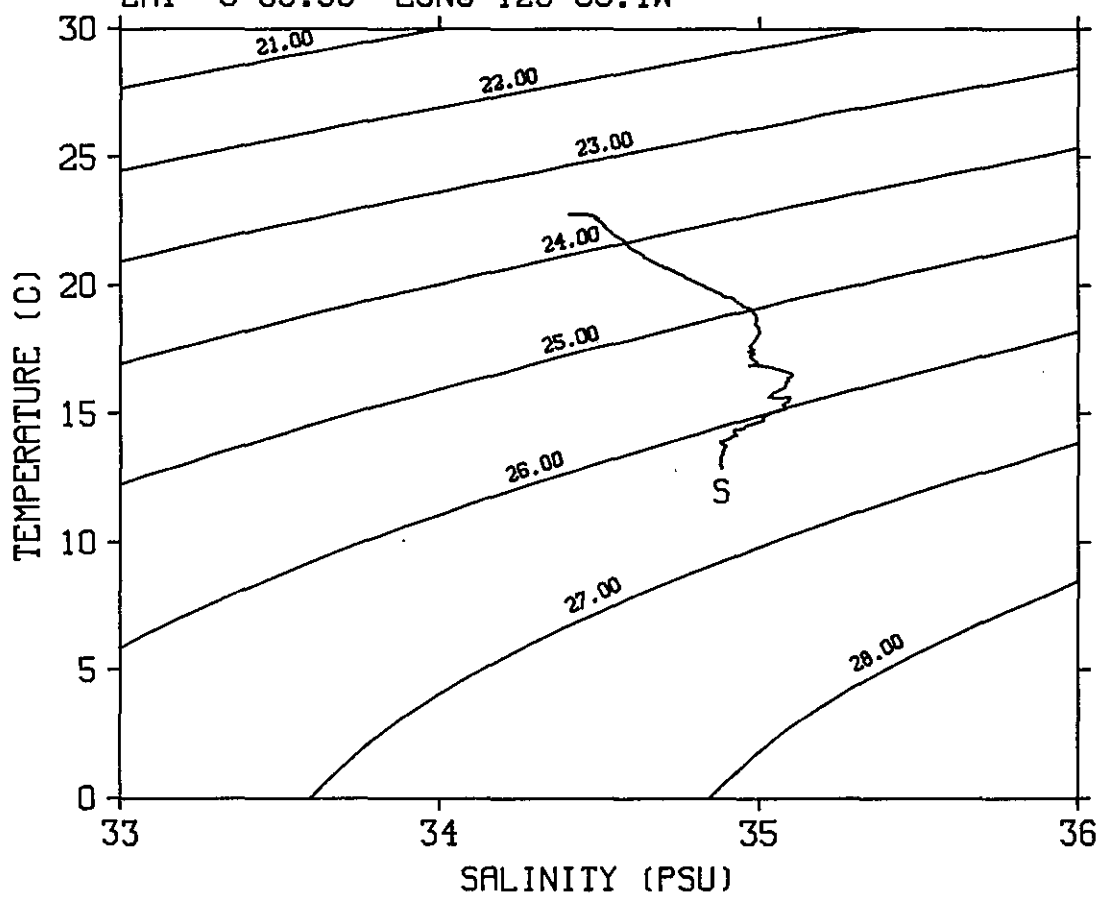


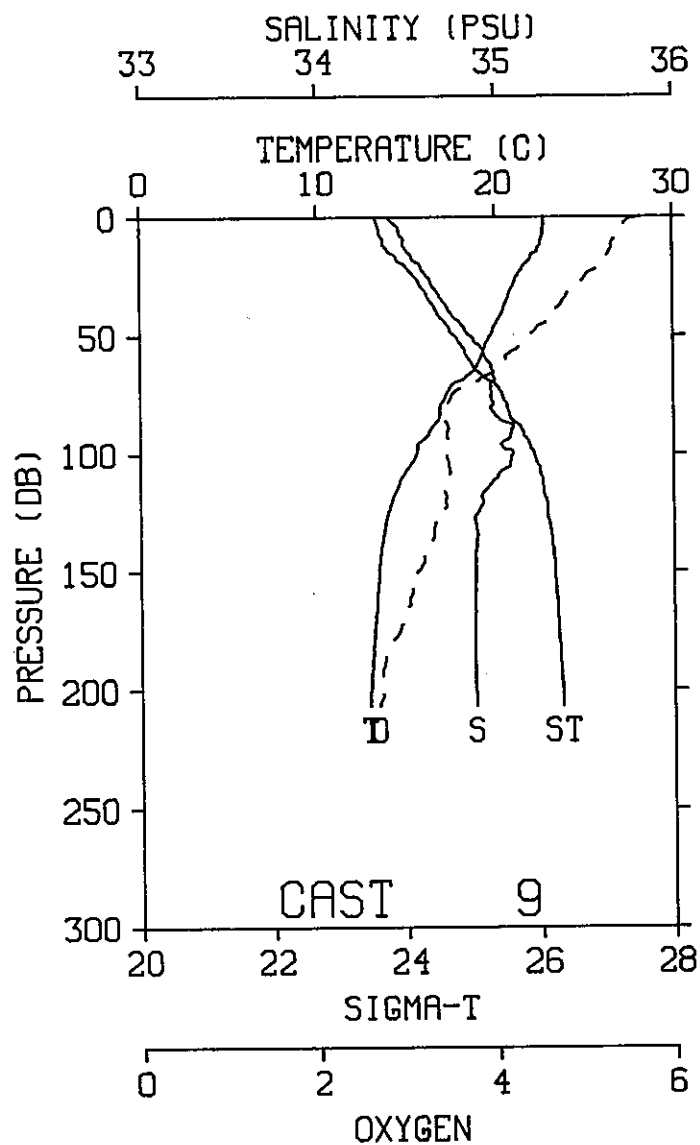
CAS1 EP4-B4-RS-008 DATE 23 NOV 84 TIME 2221 GMT
 LAT 00 04.3N LONG 124 58.9W WEATHER 2 SEA STATE 4
 BAROMETER 15 WIND DIR 100 T SPD 14 KT VISIBILITY 7
 CLOUD 3 AMOUNT 6 DRY 22.2 WET 20.6 DEPTH 4603 M



PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.437	34.903	4.66	24.022	0.000
10.	21.983	34.928	4.35	24.170	0.038
20.	21.713	34.950	4.26	24.262	0.076
30.	21.157	35.013	4.05	24.462	0.111
40.	20.595	35.107	3.76	24.686	0.145
50.	20.060	35.204	3.41	24.903	0.177
60.	19.564	35.244	3.19	25.063	0.207
70.	18.264	35.326	2.95	25.458	0.234
80.	17.332	35.288	2.93	25.657	0.259
90.	17.133	35.280	2.87	25.699	0.282
100.	16.302	35.220	2.91	25.848	0.305
110.	15.594	35.124	2.95	25.936	0.326
120.	14.433	34.978	2.96	26.079	0.347
130.	14.124	34.936	2.96	26.112	0.366
140.	13.824	34.919	2.90	26.162	0.385
150.	13.463	34.901	2.88	26.223	0.404
160.	13.195	34.888	2.80	26.268	0.422
170.	12.976	34.891	2.74	26.314	0.439
180.	12.722	34.876	2.56	26.353	0.457
190.	12.693	34.874	2.45	26.357	0.474
200.	12.645	34.869	2.42	26.363	0.491
250.	12.329	34.867	1.82	26.423	0.575
300.	11.634	34.829	0.78	26.526	0.655
350.	11.328	34.806	0.76	26.565	0.733
400.	10.307	34.742	0.87	26.698	0.807
450.	9.110	34.683	0.77	26.853	0.875
500.	8.692	34.660	0.76	26.901	0.937
550.	8.029	34.627	0.92	26.977	0.998
600.	7.389	34.597	1.06	27.047	1.054
650.	7.040	34.585	1.12	27.087	1.108
700.	6.654	34.572	1.28	27.129	1.161
750.	5.919	34.554	1.64	27.211	1.209
800.	5.656	34.549	1.80	27.239	1.256
850.	5.459	34.546	1.96	27.262	1.302
900.	5.230	34.546	2.01	27.288	1.346
950.	4.896	34.551	2.00	27.332	1.389
1000.	4.505	34.556	2.03	27.379	1.430
1500.	3.168	34.599	2.25	27.550	1.786
2000.	2.307	34.641	2.43	27.659	2.072
2500.	1.909	34.662	2.72	27.708	2.319
3000.	1.679	34.674	2.96	27.735	2.552
3500.	1.512	34.686	3.09	27.758	2.777
4000.	1.428	34.694	3.26	27.770	2.993
4465.	1.480	34.693	3.26	27.765	3.200

CAST EP4-84-RS-009 DATE 25 NOV 84 TIME 0232 GMT
LAT 0 00.5S LONG 120 00.1W

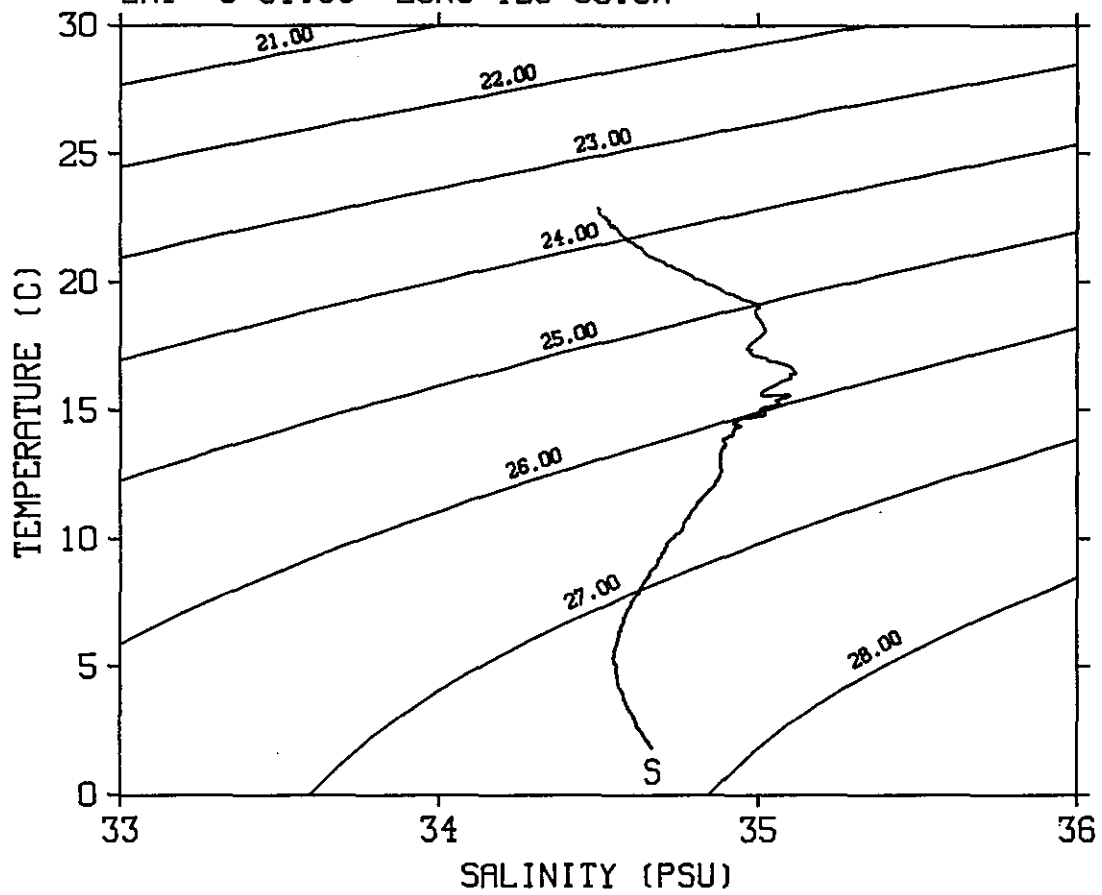


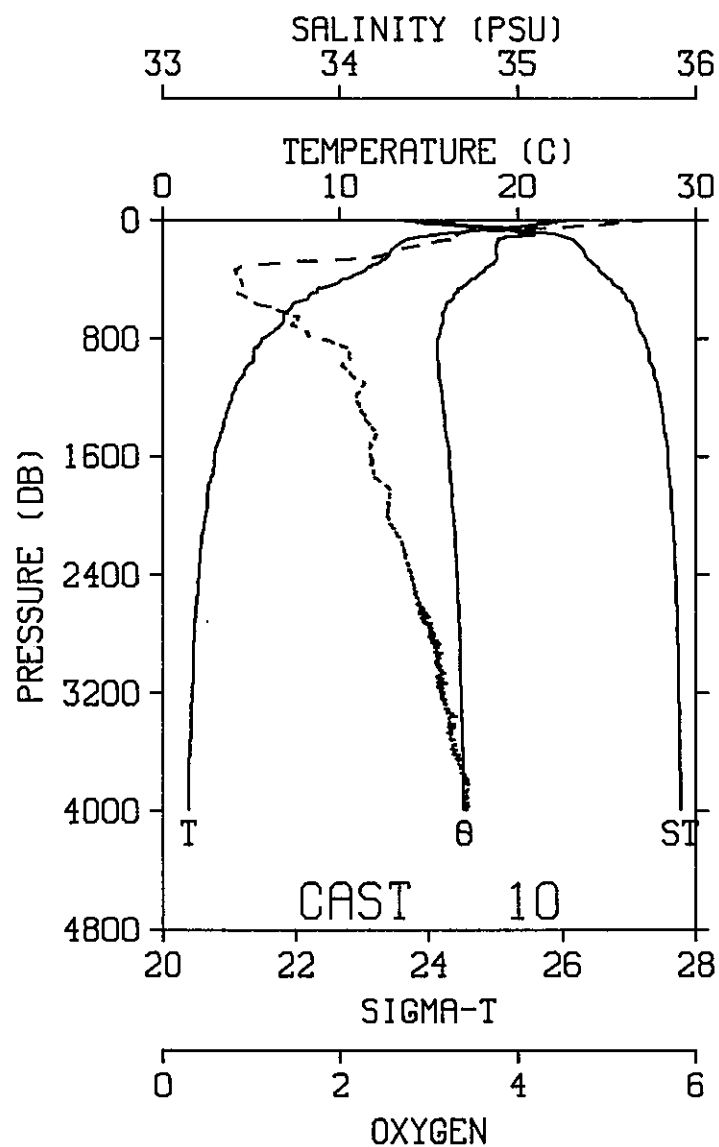


CAST EP4-84-RS-009 DATE 25 NOV 84 TIME 0232 GMT
 LAT 0 00.55 LONG 120 00.1W WEATHER 2 SEA STATE 4
 BAROMETER 12 WIND DIR 130 T SPD 10 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 22.8 WET 21.8 DEPTH 4110 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXV (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.780	34.403	5.65	23.546	0.000
10.	22.592	34.494	5.34	23.668	0.043
20.	21.728	34.581	5.22	23.977	0.084
30.	20.955	34.663	4.90	24.251	0.122
40.	20.428	34.746	4.64	24.456	0.158
50.	19.738	34.860	4.39	24.725	0.191
60.	19.180	34.949	4.12	24.938	0.222
70.	17.753	34.980	3.74	25.318	0.251
80.	16.882	34.975	3.46	25.524	0.277
90.	16.354	35.090	3.47	25.736	0.301
100.	15.581	35.099	3.46	25.920	0.323
110.	14.741	35.015	3.48	26.041	0.343
120.	14.165	34.931	3.43	26.100	0.363
130.	13.758	34.889	3.31	26.153	0.382
140.	13.559	34.890	3.25	26.195	0.401
150.	13.404	34.884	3.12	26.222	0.419
160.	13.290	34.881	3.04	26.242	0.437
170.	13.196	34.880	2.99	26.261	0.455
180.	13.090	34.879	2.83	26.282	0.473
190.	12.977	34.876	2.73	26.302	0.491
200.	12.906	34.881	2.72	26.320	0.508
207.	12.865	34.882	2.68	26.329	0.521

CASI EP4-84-RS-010 DATE 25 NOV 84 TIME 0440 GMT
LAT 0 01.0S LONG 120 00.3W

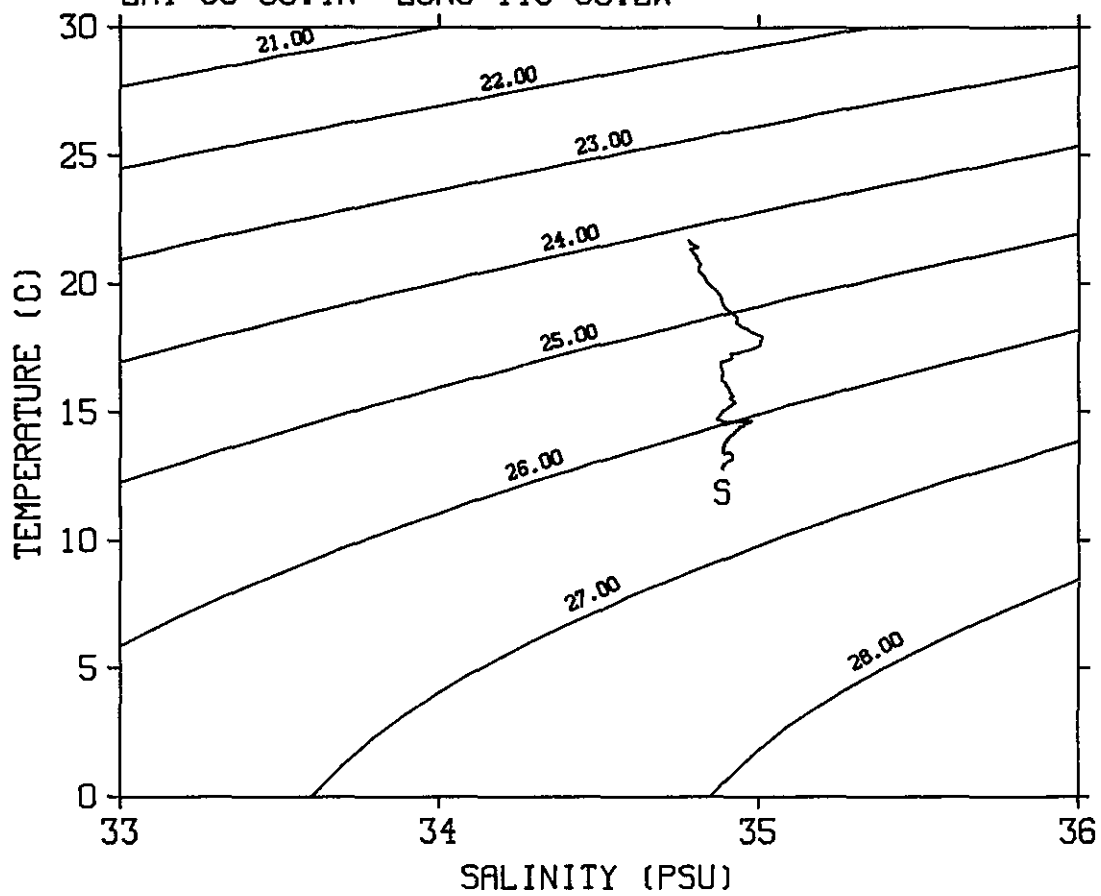




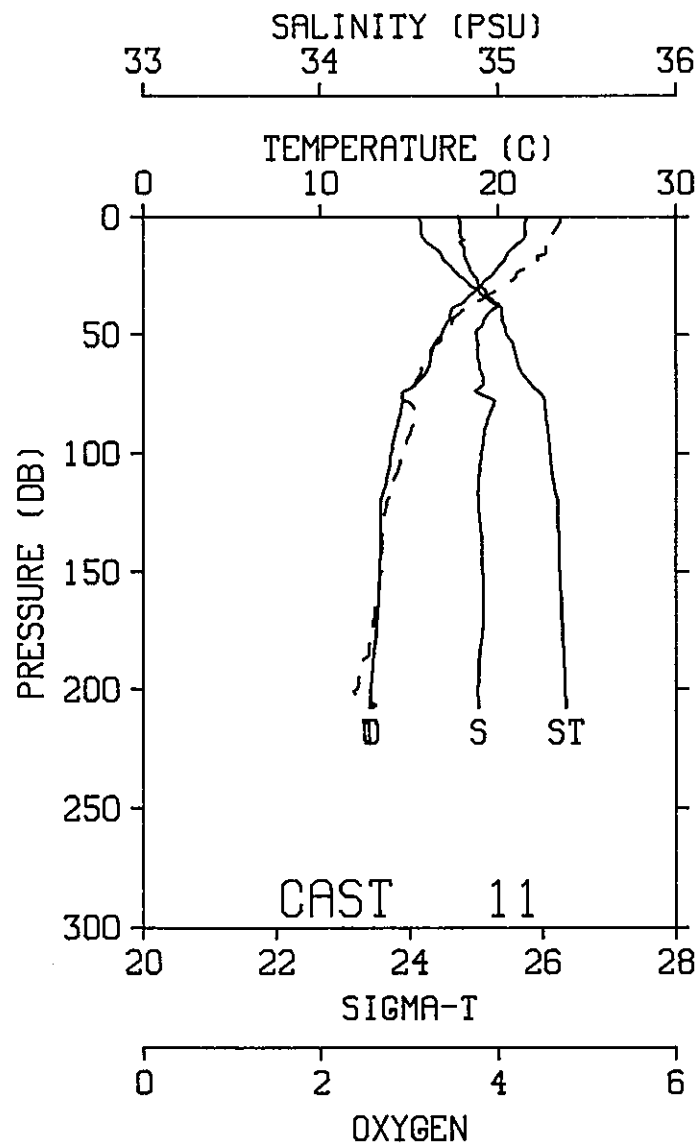
CAST EP4-84-RS-010 DATE 25 NOV 84 TIME 0440 GMT
 LAT 0 01.0S LONG 120 00.3W WEATHER 2 SEA STATE 4
 BAROMETER 12 WIND DIR 130 T SPD 10 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 22.8 WET 21.0 DEPTH 4112 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.836	34.497	5.32	23.601	0.000
10.	22.282	34.529	5.23	23.782	0.042
20.	21.713	34.585	5.03	23.984	0.082
30.	20.878	34.677	4.82	24.283	0.120
40.	20.280	34.777	4.66	24.518	0.156
50.	19.632	34.888	4.39	24.774	0.189
60.	18.990	35.005	4.08	25.029	0.219
70.	17.431	34.966	3.75	25.386	0.247
80.	16.944	35.036	3.43	25.556	0.272
90.	16.145	35.081	3.36	25.777	0.296
100.	15.449	35.081	3.32	25.936	0.317
110.	14.725	34.999	3.31	26.032	0.338
120.	14.194	34.926	3.29	26.090	0.357
130.	13.807	34.888	3.25	26.141	0.377
140.	13.614	34.895	3.16	26.187	0.395
150.	13.439	34.886	3.07	26.216	0.414
160.	13.333	34.882	2.98	26.235	0.432
170.	13.235	34.881	2.91	26.254	0.450
180.	13.114	34.882	2.84	26.279	0.468
190.	13.057	34.882	2.73	26.290	0.486
200.	12.939	34.880	2.64	26.313	0.503
250.	12.681	34.883	2.39	26.366	0.590
300.	12.008	34.860	1.15	26.479	0.673
350.	11.309	34.808	0.82	26.571	0.751
400.	10.136	34.741	0.87	26.727	0.825
450.	9.209	34.694	0.88	26.845	0.893
500.	8.359	34.645	0.87	26.941	0.954
550.	7.726	34.616	0.96	27.013	1.013
600.	7.223	34.593	1.25	27.068	1.067
650.	6.800	34.579	1.47	27.115	1.120
700.	6.736	34.581	1.47	27.125	1.172
750.	6.297	34.563	1.59	27.169	1.222
800.	5.670	34.552	1.74	27.240	1.270
850.	5.371	34.547	2.00	27.273	1.316
900.	5.122	34.549	2.09	27.304	1.359
950.	5.099	34.550	2.09	27.307	1.402
1000.	4.689	34.556	2.04	27.359	1.444
1500.	3.112	34.604	2.35	27.559	1.797
2000.	2.403	34.637	2.54	27.648	2.084
2500.	1.959	34.661	2.83	27.703	2.336
3000.	1.695	34.674	3.16	27.734	2.570
3500.	1.534	34.689	3.26	27.758	2.795
3998.	1.438	34.696	3.40	27.771	3.011

CAST EP4-84-RS-011 DATE 26 NOV 84 TIME 0736 GMT
LAT 00 00.1N LONG 115 00.2W

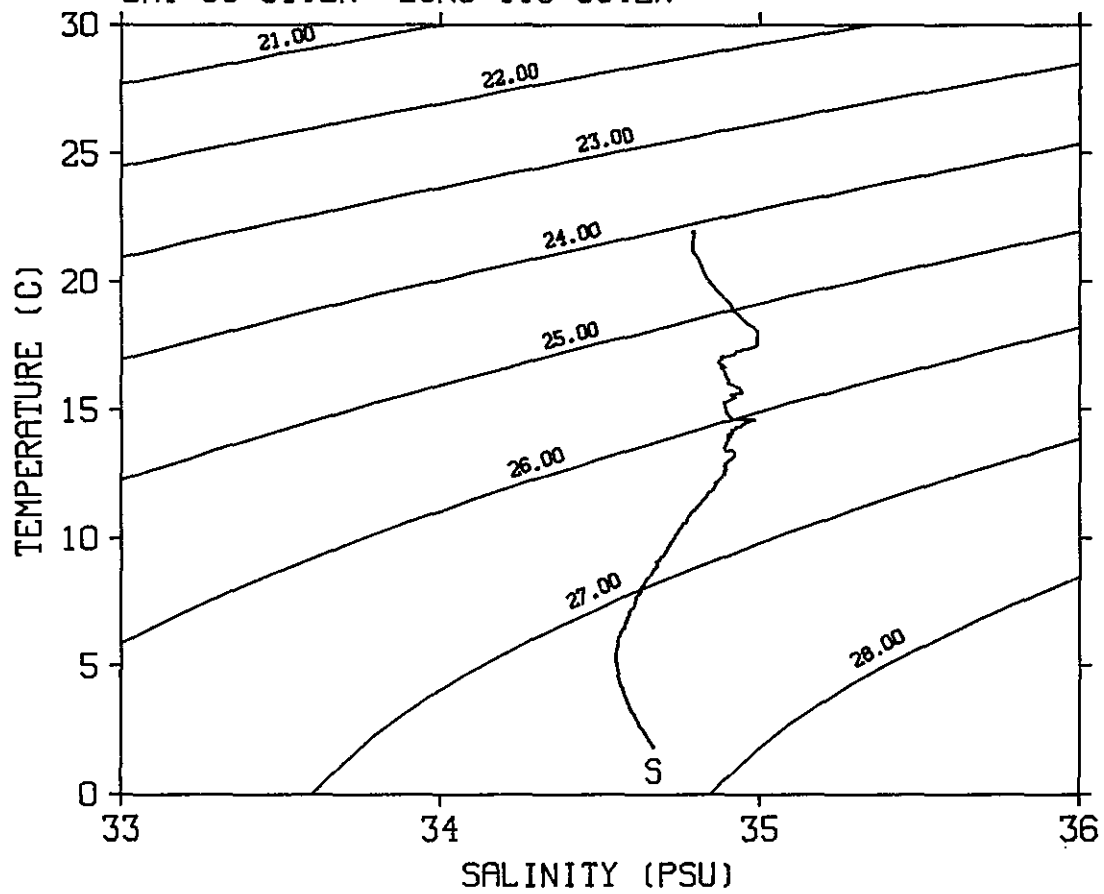


CAST EP4-84-RS-011 DATE 26 NOV 84 TIME 0736 GMT
 LAT 00 00.1N LONG 115 00.2W WEATHER 0 SEA STATE 2
 BAROMETER 14 WIND DIR 090 T SPD 06 KT VISIBILITY 7
 CLOUD X AMOUNT 0 DRY 21.8 WET 20.8 DEPTH 3912 M

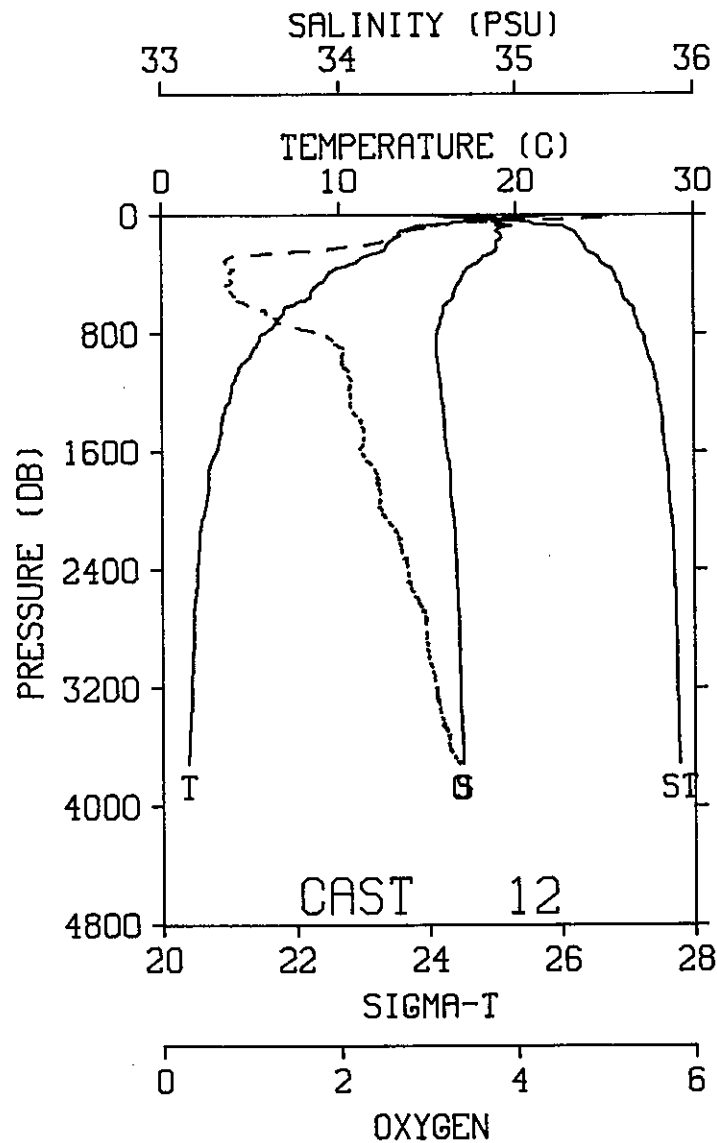


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.660	34.780	4.70	24.147	0.000
10.	21.393	34.812	4.62	24.245	0.037
20.	20.196	34.831	4.37	24.582	0.072
30.	18.900	34.913	4.04	24.981	0.104
40.	17.362	34.961	3.59	25.399	0.132
50.	16.852	34.879	3.39	25.457	0.157
60.	16.210	34.884	3.22	25.611	0.182
70.	15.508	34.909	3.07	25.790	0.205
80.	14.593	34.976	3.03	26.043	0.225
90.	14.260	34.927	3.02	26.076	0.245
100.	13.986	34.905	2.93	26.118	0.264
110.	13.737	34.893	2.84	26.160	0.283
120.	13.367	34.890	2.75	26.234	0.302
130.	13.383	34.900	2.71	26.239	0.320
140.	13.373	34.912	2.69	26.250	0.338
150.	13.334	34.912	2.69	26.258	0.356
160.	13.262	34.918	2.65	26.277	0.374
170.	13.171	34.917	2.60	26.295	0.391
180.	13.043	34.902	2.55	26.309	0.409
190.	12.906	34.892	2.44	26.328	0.426
200.	12.815	34.886	2.41	26.342	0.444
208.	12.760	34.887	2.57	26.354	0.457

CAST EP4-84-RS-012 DATE 26 NOV 84 TIME 0914 GMT
LAT 00 01.2N LONG 115 00.2W

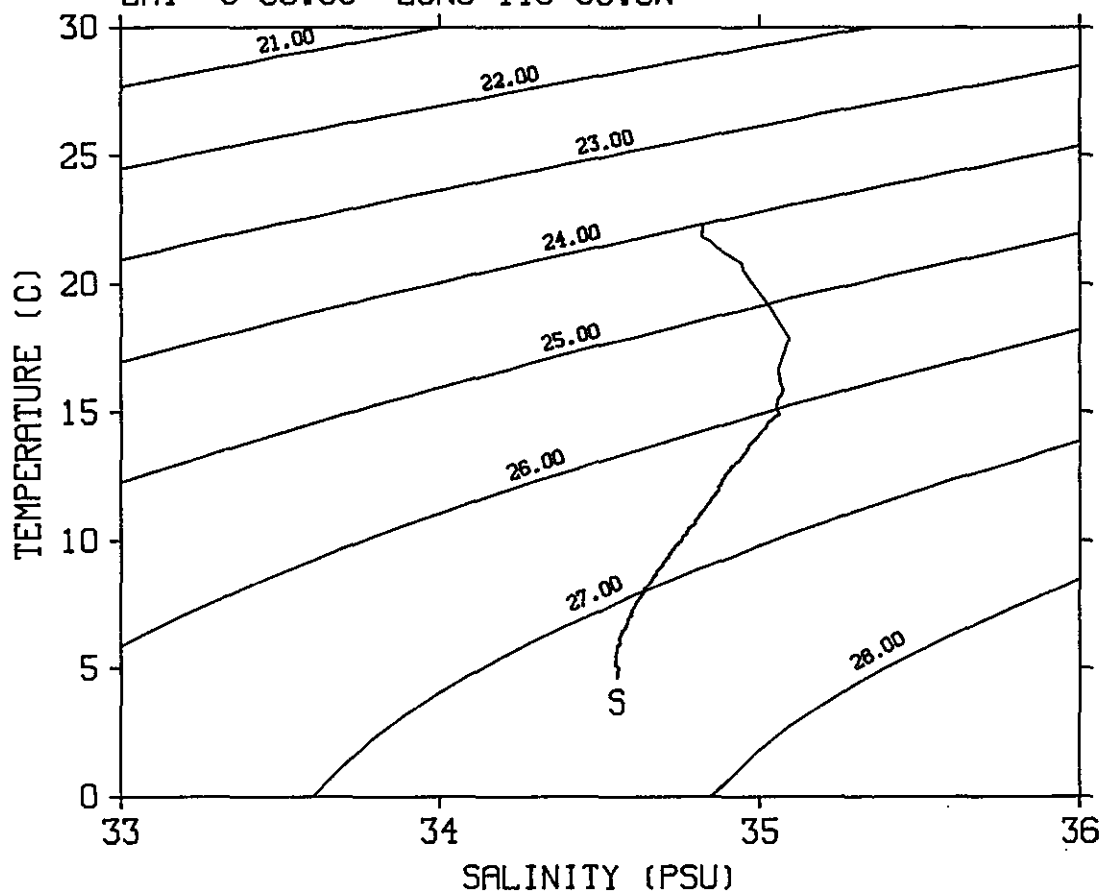


CAST EP4-84-RS-012 DATE 26 NOV 84 TIME 0914 GMT
 LAT 00 01.2N LONG 115 00.2W WEATHER 0 SEA STATE 2
 BAROMETER 14 WIND DIR 095 T SPD 07 KT VISIBILITY 7
 CLOUD X AMOUNT 0 DRY 21.2 WET 20.7 DEPTH 3951 M

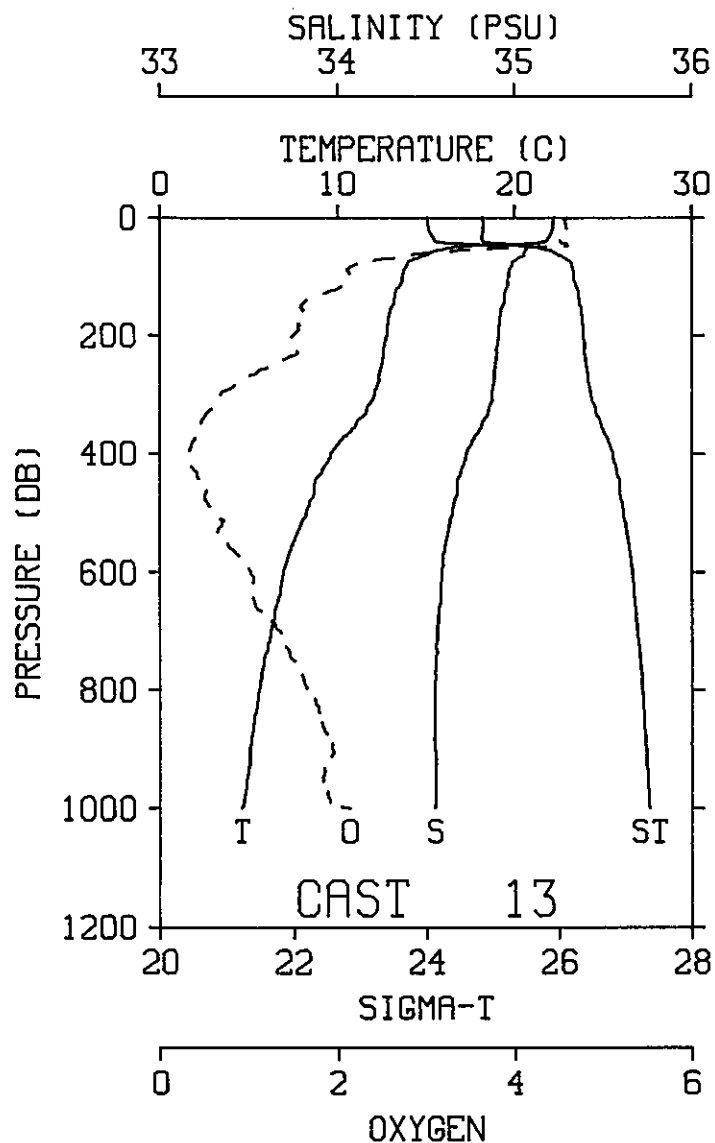


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.910	34.790	5.02	24.085	0.000
10.	21.750	34.792	4.96	24.131	0.038
20.	20.079	34.832	4.98	24.614	0.073
30.	18.751	34.929	4.32	25.031	0.104
40.	17.280	34.940	3.83	25.402	0.131
50.	16.516	34.886	3.48	25.541	0.157
60.	16.296	34.889	3.26	25.595	0.181
70.	14.828	34.899	3.10	25.933	0.204
80.	14.439	34.954	3.09	26.059	0.223
90.	14.106	34.917	2.98	26.101	0.243
100.	13.873	34.900	2.87	26.138	0.262
110.	13.577	34.891	2.76	26.192	0.281
120.	13.373	34.899	2.70	26.240	0.299
130.	13.371	34.915	2.68	26.253	0.317
140.	13.336	34.916	2.69	26.260	0.335
150.	13.277	34.921	2.66	26.276	0.353
160.	13.183	34.921	2.61	26.296	0.370
170.	13.073	34.909	2.56	26.309	0.388
180.	12.937	34.898	2.52	26.327	0.405
190.	12.816	34.890	2.45	26.345	0.422
200.	12.738	34.889	2.36	26.360	0.440
250.	12.343	34.880	1.43	26.431	0.524
300.	11.194	34.806	0.72	26.589	0.602
350.	10.219	34.745	0.80	26.716	0.675
400.	9.382	34.703	0.75	26.824	0.742
450.	9.090	34.685	0.78	26.857	0.806
500.	8.578	34.659	0.73	26.918	0.867
550.	8.376	34.648	0.82	26.941	0.928
600.	7.511	34.609	0.94	27.039	0.986
650.	6.880	34.587	1.18	27.110	1.039
700.	6.581	34.577	1.27	27.143	1.091
750.	6.285	34.565	1.44	27.173	1.141
800.	5.748	34.552	1.74	27.231	1.189
850.	5.484	34.549	1.91	27.261	1.234
900.	5.181	34.549	2.04	27.296	1.279
950.	4.985	34.551	2.04	27.321	1.322
1000.	4.527	34.556	2.03	27.377	1.363
1500.	3.279	34.595	2.28	27.536	1.714
2000.	2.357	34.640	2.46	27.654	2.005
2500.	1.934	34.662	2.79	27.706	2.253
3000.	1.699	34.675	3.01	27.735	2.485
3500.	1.501	34.689	3.21	27.760	2.710
3715.	1.423	34.694	3.35	27.770	2.803

CAST EP4-84-RS-013 DATE 27 NOV 84 TIME 1522 GMT
LAT 3 00.6S LONG 110 00.3W

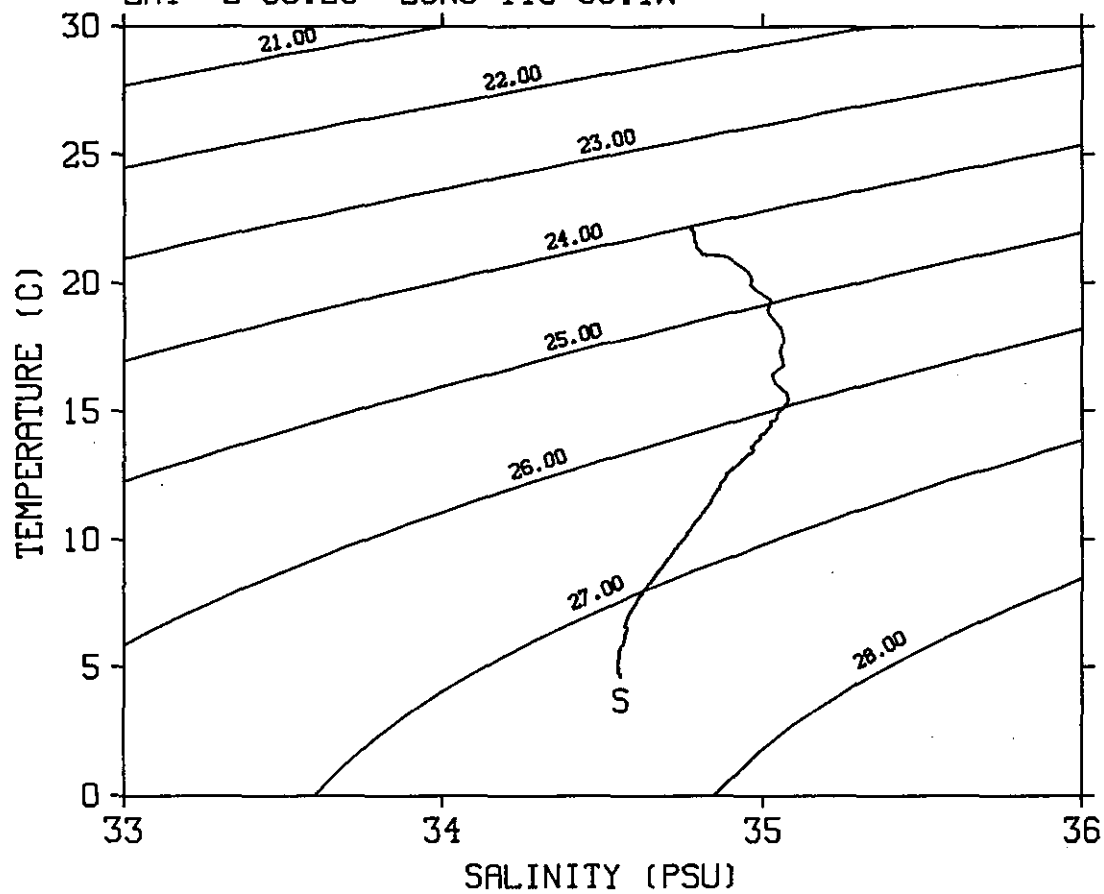


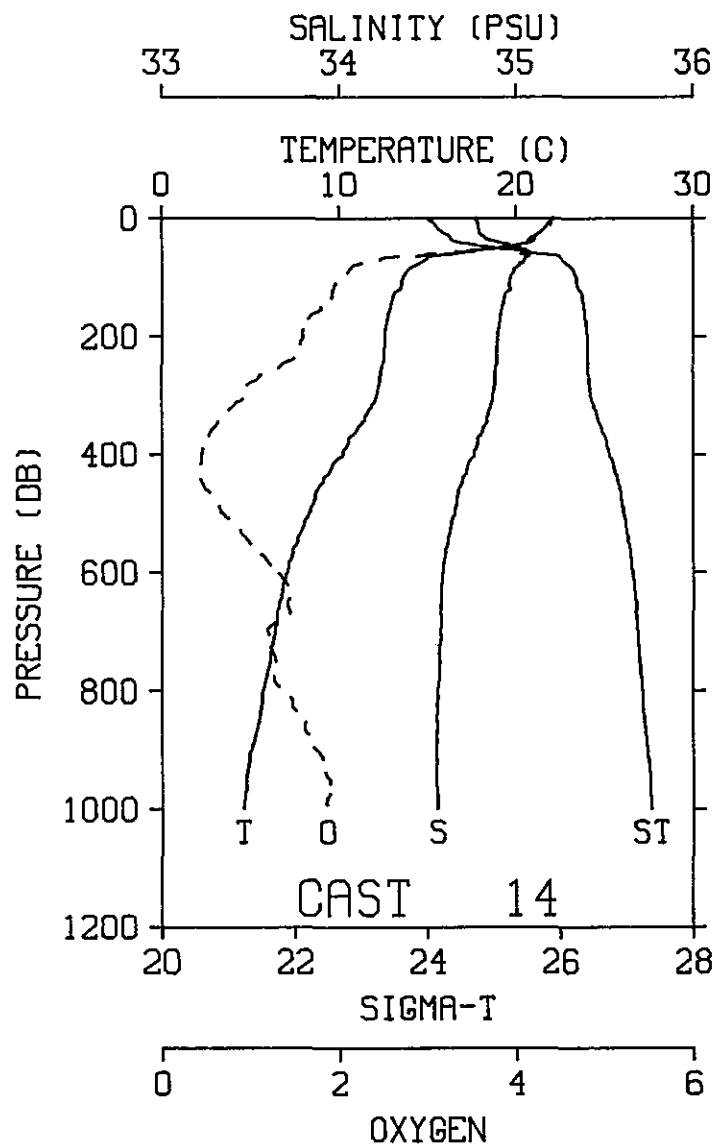
CAST EP4-84-RS-013 DATE 27 NOV 84 TIME 1522 GMT
 LAT 3 00.6S LONG 110 00.3W WEATHER 1 SEA STATE 5
 BAROMETER 13 WIND DIR 140 T SPD 11 KT VISIBILITY 9
 CLOUD 8 AMOUNT 4 DRY 23.0 WET 21.8 DEPTH 3550 M



PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.219	34.820	4.64	24.021	0.000
10.	22.211	34.822	4.58	24.025	0.039
20.	22.147	34.821	4.56	24.042	0.078
30.	21.977	34.820	4.55	24.089	0.116
40.	21.799	34.818	4.52	24.137	0.154
50.	16.640	35.058	4.19	25.645	0.186
60.	15.273	35.053	3.03	25.953	0.208
70.	14.368	35.019	2.54	26.125	0.228
80.	13.945	34.987	2.21	26.189	0.246
90.	13.738	34.969	2.10	26.219	0.265
100.	13.666	34.965	2.14	26.230	0.283
110.	13.613	34.963	2.06	26.240	0.301
120.	13.377	34.954	2.01	26.282	0.319
130.	13.255	34.945	1.82	26.299	0.336
140.	13.185	34.941	1.66	26.311	0.354
150.	13.095	34.936	1.59	26.325	0.371
160.	12.957	34.923	1.60	26.343	0.388
170.	12.867	34.916	1.60	26.355	0.405
180.	12.833	34.913	1.55	26.360	0.422
190.	12.788	34.910	1.56	26.366	0.439
200.	12.759	34.908	1.50	26.370	0.456
250.	12.481	34.891	1.28	26.412	0.540
300.	12.045	34.870	0.68	26.480	0.623
350.	11.015	34.814	0.45	26.628	0.700
400.	9.595	34.726	0.33	26.807	0.770
450.	8.681	34.673	0.51	26.913	0.834
500.	8.200	34.644	0.63	26.965	0.893
550.	7.475	34.609	0.75	27.044	0.950
600.	6.917	34.586	1.02	27.104	1.003
650.	6.599	34.579	1.05	27.142	1.054
700.	6.230	34.562	1.34	27.178	1.104
750.	5.837	34.553	1.51	27.220	1.152
800.	5.559	34.549	1.67	27.251	1.198
850.	5.300	34.547	1.81	27.281	1.242
900.	5.054	34.547	1.92	27.310	1.286
950.	4.872	34.554	1.83	27.336	1.328
1000.	4.584	34.550	2.14	27.366	1.369

CAST EP4-84-RS-014 DATE 27 NOV 84 TIME 1853 GMT
LAT 2 30.2S LONG 110 00.1W

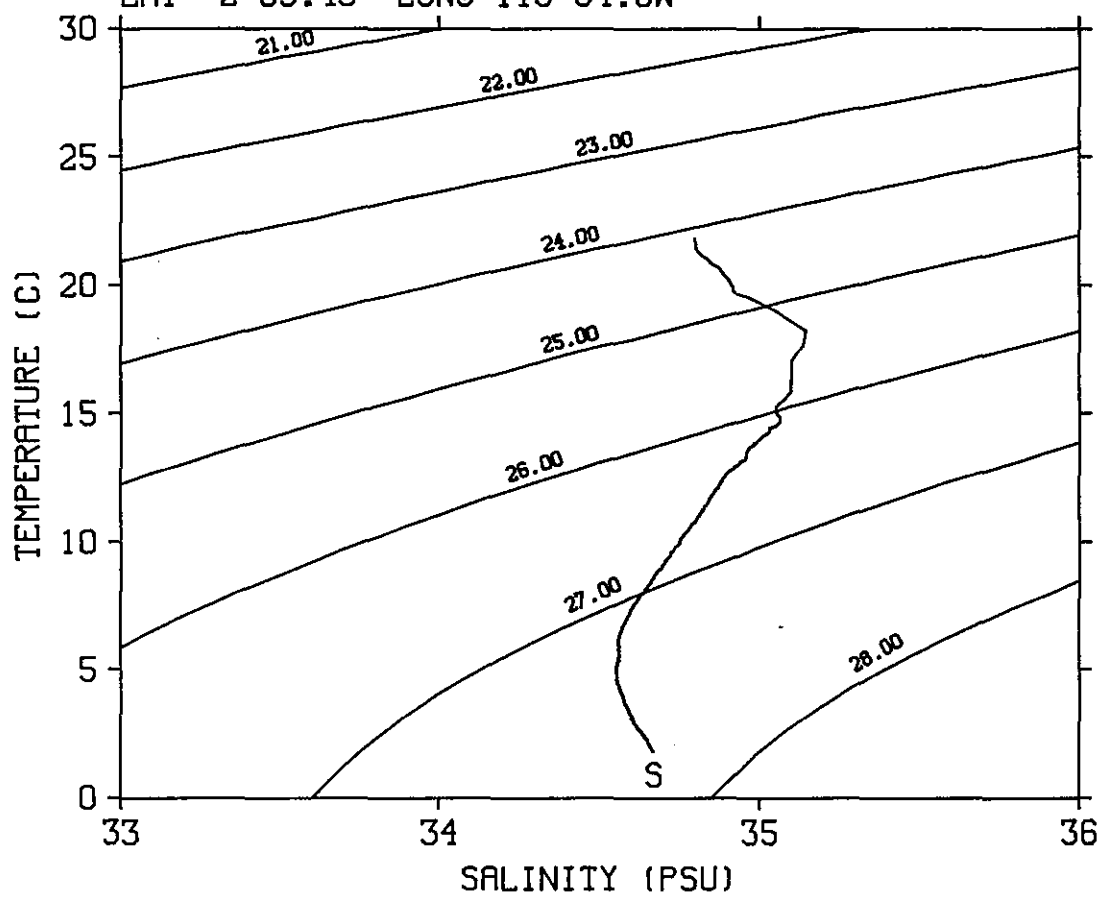


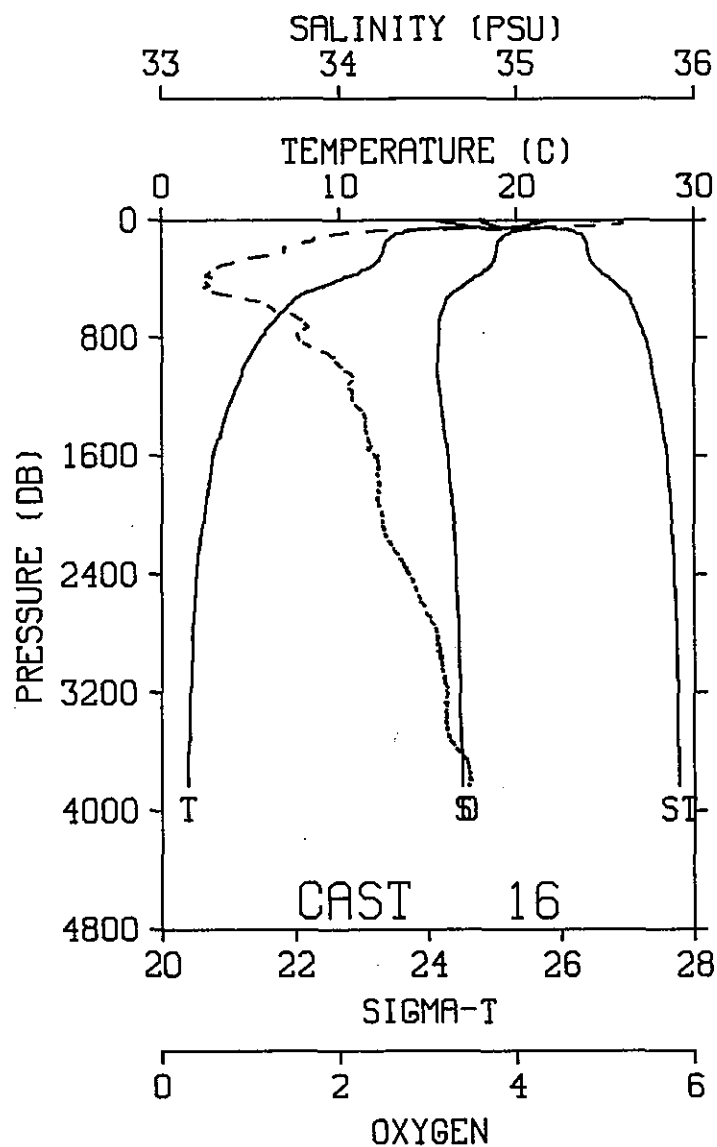


CAST EP4-84-RS-014 DATE 27 NOV 84 TIME 1853 GMT
 LAT 2 30.25 LONG 110 00.1W WEATHER 0 SEA STATE 3
 BAROMETER 15 WIND DIR 135 T SPD 12 KT VISIBILITY 7
 CLOUD 4 AMOUNT 2 DRY 25.8 WET 21.9 DEPTH M

PRES (DB)	TEMP (C)	SAL (PSU)	OXV (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.126	34.780	4.53	24.017	0.000
10.	21.790	34.787	4.39	24.116	0.038
20.	21.565	34.791	4.32	24.181	0.076
30.	21.085	34.811	4.24	24.328	0.113
40.	20.925	34.895	4.14	24.436	0.148
50.	19.146	35.019	3.89	25.000	0.181
60.	16.742	35.066	3.23	25.627	0.208
70.	14.973	35.052	2.47	26.019	0.229
80.	14.407	35.027	2.18	26.123	0.248
90.	13.871	34.989	2.11	26.207	0.267
100.	13.643	34.970	2.03	26.239	0.285
110.	13.569	34.966	1.97	26.251	0.303
120.	13.475	34.970	1.93	26.274	0.321
130.	13.085	34.934	1.92	26.325	0.338
140.	13.000	34.929	1.92	26.338	0.355
150.	12.912	34.922	1.86	26.351	0.372
160.	12.804	34.913	1.75	26.365	0.389
170.	12.742	34.909	1.66	26.374	0.406
180.	12.665	34.905	1.62	26.386	0.423
190.	12.598	34.897	1.59	26.394	0.440
200.	12.559	34.893	1.60	26.399	0.456
250.	12.457	34.889	1.34	26.415	0.540
300.	12.151	34.870	0.94	26.460	0.622
350.	11.229	34.826	0.62	26.599	0.701
400.	10.216	34.764	0.46	26.731	0.773
450.	9.029	34.692	0.47	26.872	0.839
500.	8.323	34.650	0.70	26.950	0.899
550.	7.602	34.612	0.99	27.028	0.956
600.	7.060	34.585	1.29	27.084	1.011
650.	6.628	34.573	1.41	27.133	1.063
700.	6.379	34.573	1.21	27.166	1.113
750.	6.119	34.569	1.29	27.197	1.161
800.	5.718	34.554	1.38	27.236	1.209
850.	5.494	34.552	1.58	27.262	1.254
900.	5.065	34.546	1.75	27.308	1.298
950.	4.765	34.548	1.90	27.344	1.340
1000.	4.598	34.555	1.87	27.368	1.381

CAST EP4-84-RS-016 DATE 28 NOV 84 TIME 0638 GMT
LAT 2 03.4S LONG 110 04.6W

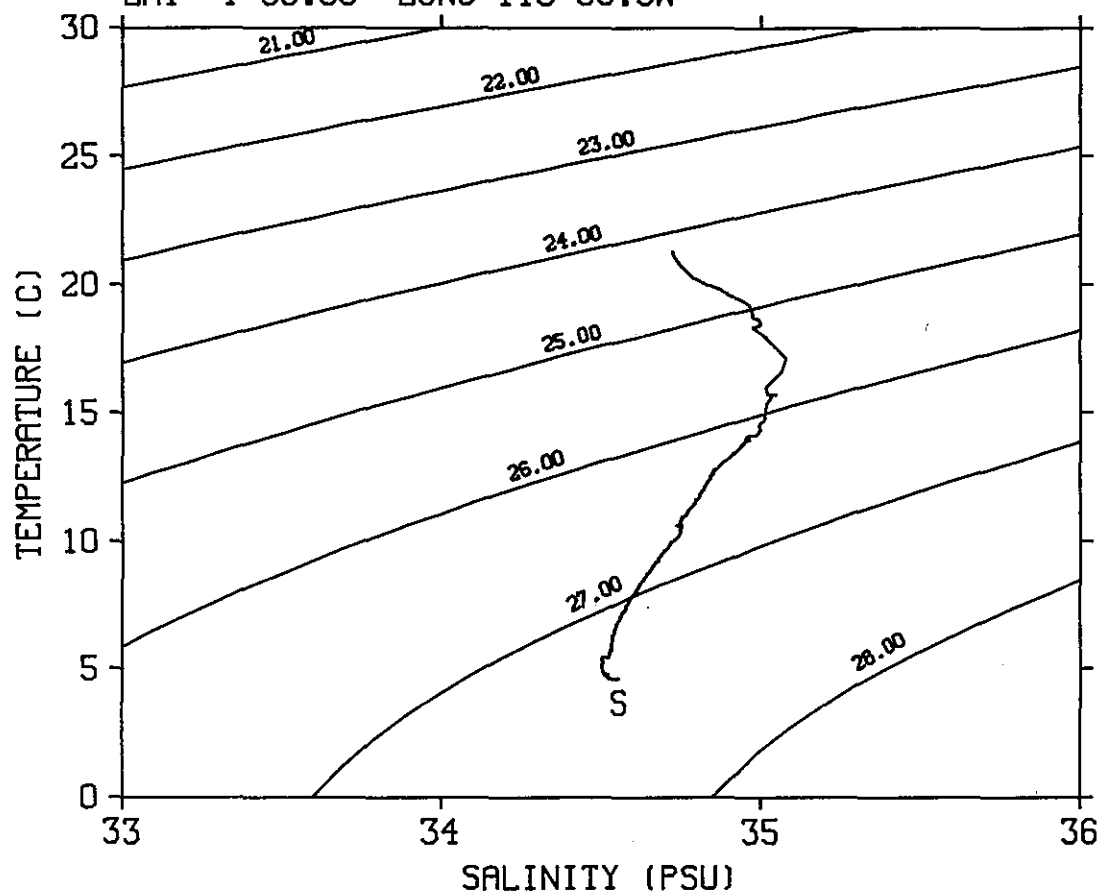


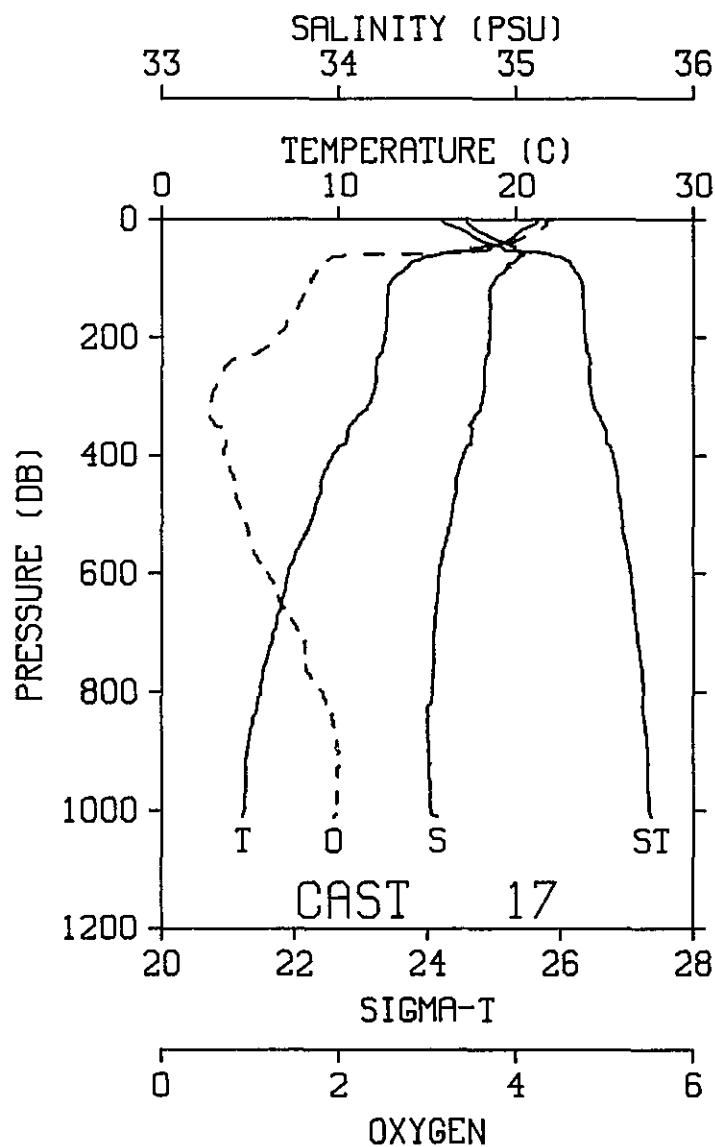


CAST EP4-84-RS-016 DATE 28 NOV 84 TIME 0638 GMT
 LAT 2 03.4S LONG 110 04.6W WEATHER 0 SEA STATE 3
 BAROMETER 16 WIND DIR 110 T SPD 08 KT VISIBILITY 9
 CLOUD 0 AMOUNT 0 DRY 22.2 WET 21.5 DEPTH 4031 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.790	34.794	4.80	24.121	0.000
10.	21.573	34.799	5.00	24.186	0.038
20.	21.222	34.809	5.18	24.289	0.074
30.	20.750	34.855	5.04	24.452	0.110
40.	20.458	34.881	4.77	24.551	0.144
50.	19.719	34.916	4.48	24.773	0.177
60.	15.509	35.075	3.85	25.917	0.205
70.	14.337	35.031	2.58	26.140	0.225
80.	13.702	34.977	2.26	26.232	0.243
90.	13.646	34.967	2.05	26.236	0.261
100.	13.099	34.939	1.93	26.326	0.279
110.	13.008	34.934	1.86	26.341	0.296
120.	12.910	34.920	1.76	26.350	0.313
130.	12.831	34.916	1.71	26.362	0.330
140.	12.736	34.902	1.72	26.370	0.347
150.	12.621	34.895	1.66	26.388	0.363
160.	12.608	34.894	1.57	26.389	0.380
170.	12.576	34.892	1.52	26.394	0.397
180.	12.536	34.890	1.44	26.400	0.413
190.	12.520	34.889	1.40	26.403	0.430
200.	12.499	34.887	1.38	26.406	0.447
250.	12.333	34.878	1.13	26.431	0.530
300.	11.990	34.859	0.76	26.482	0.611
350.	11.217	34.817	0.51	26.594	0.690
400.	10.182	34.758	0.54	26.732	0.763
450.	9.158	34.699	0.53	26.858	0.829
500.	8.102	34.639	0.64	26.976	0.890
550.	7.399	34.600	1.07	27.048	0.945
600.	7.034	34.587	1.22	27.089	0.999
650.	6.596	34.569	1.48	27.134	1.051
700.	6.265	34.558	1.59	27.170	1.101
750.	5.870	34.560	1.58	27.221	1.149
800.	5.608	34.561	1.54	27.255	1.195
850.	5.308	34.556	1.61	27.288	1.239
900.	5.058	34.551	1.83	27.313	1.283
950.	4.853	34.552	1.94	27.337	1.325
1000.	4.643	34.554	2.03	27.362	1.366
1500.	3.166	34.598	2.34	27.549	1.727
2000.	2.398	34.639	2.48	27.650	2.016
2500.	1.925	34.661	2.87	27.706	2.268
3000.	1.686	34.672	3.15	27.733	2.502
3500.	1.575	34.683	3.24	27.751	2.728
3834.	1.465	34.692	3.46	27.766	2.874

CAST EP4-84-RS-017 DATE 28 NOV 84 TIME 1129 GMT
LAT 1 30.9S LONG 110 00.0W

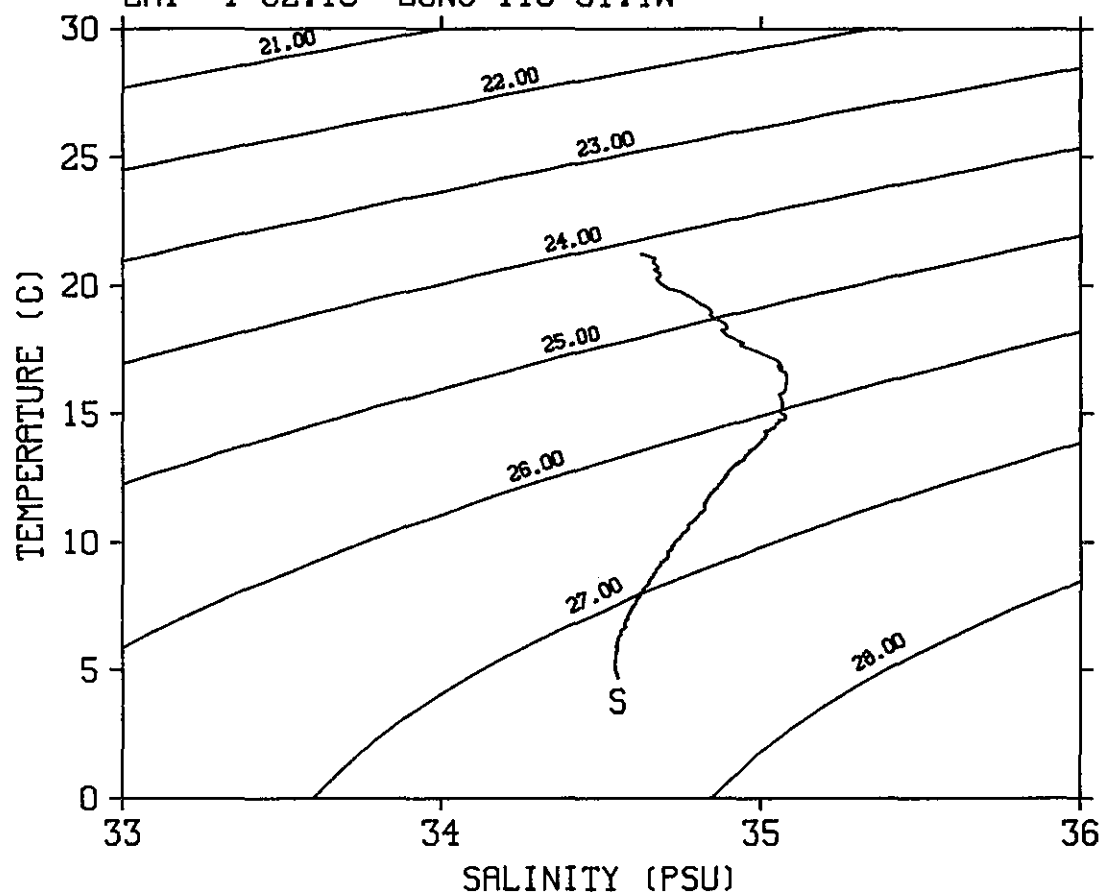




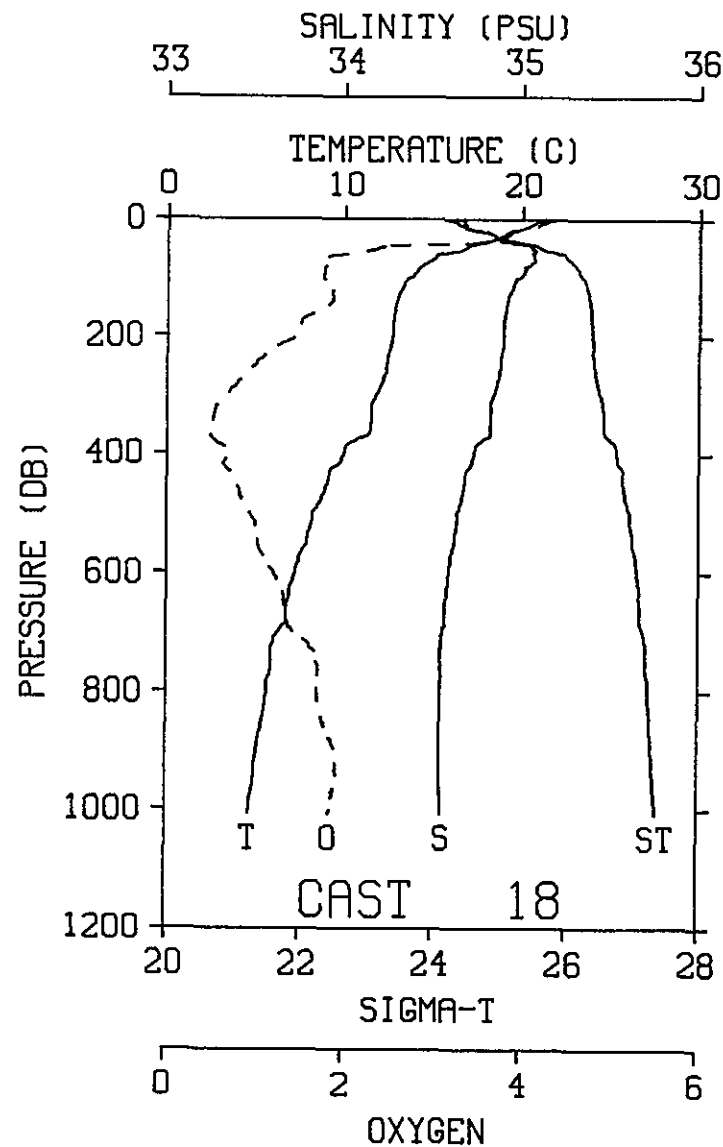
CAST EP4-84-RS-017 DATE 28 NOV 84 TIME 1129 GMT
 LAT 1 30.9S LONG 110 00.0W WEATHER 2 SEA STATE 3
 BAROMETER 14 WIND DIR 125 T SPD 07 KT VISIBILITY 6
 CLOUD 8 AMOUNT 9 DRY 21.5 WET 21.0 DEPTH 3808 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.251	34.720	4.41	24.214	0.000
10.	20.878	34.735	4.34	24.326	0.037
20.	20.218	34.789	4.20	24.544	0.071
30.	19.843	34.856	4.08	24.695	0.105
40.	19.326	34.935	3.93	24.889	0.136
50.	18.507	34.994	3.49	25.142	0.165
60.	15.705	35.045	2.38	25.850	0.190
70.	14.457	34.991	1.87	26.084	0.211
80.	13.920	34.948	1.78	26.164	0.229
90.	13.577	34.930	1.75	26.222	0.248
100.	13.073	34.883	1.71	26.288	0.265
110.	12.858	34.866	1.68	26.318	0.283
120.	12.739	34.851	1.65	26.330	0.300
130.	12.727	34.850	1.60	26.332	0.317
140.	12.716	34.850	1.57	26.334	0.334
150.	12.713	34.853	1.54	26.337	0.351
160.	12.677	34.851	1.46	26.343	0.369
170.	12.657	34.849	1.43	26.345	0.386
180.	12.651	34.848	1.41	26.345	0.403
190.	12.614	34.850	1.36	26.354	0.420
200.	12.576	34.846	1.28	26.359	0.437
250.	12.090	34.822	0.70	26.434	0.521
300.	11.851	34.810	0.56	26.470	0.603
350.	10.585	34.739	0.60	26.647	0.681
400.	9.589	34.696	0.70	26.784	0.752
450.	8.939	34.655	0.85	26.858	0.816
500.	8.528	34.632	0.91	26.904	0.879
550.	7.824	34.596	1.00	26.983	0.939
600.	7.149	34.565	1.19	27.056	0.995
650.	6.774	34.550	1.35	27.095	1.048
700.	6.281	34.533	1.54	27.148	1.100
750.	5.863	34.531	1.60	27.200	1.149
800.	5.551	34.525	1.82	27.234	1.196
850.	5.135	34.501	1.93	27.264	1.242
900.	4.823	34.503	1.98	27.302	1.285
950.	4.729	34.510	1.98	27.318	1.328
1000.	4.659	34.519	1.95	27.333	1.370
1012.	4.571	34.553	1.93	27.369	1.380

CAST EP4-84-RS-018 DATE 28 NOV 84 TIME 2300 GMT
LAT 1 02.1S LONG 110 01.1W

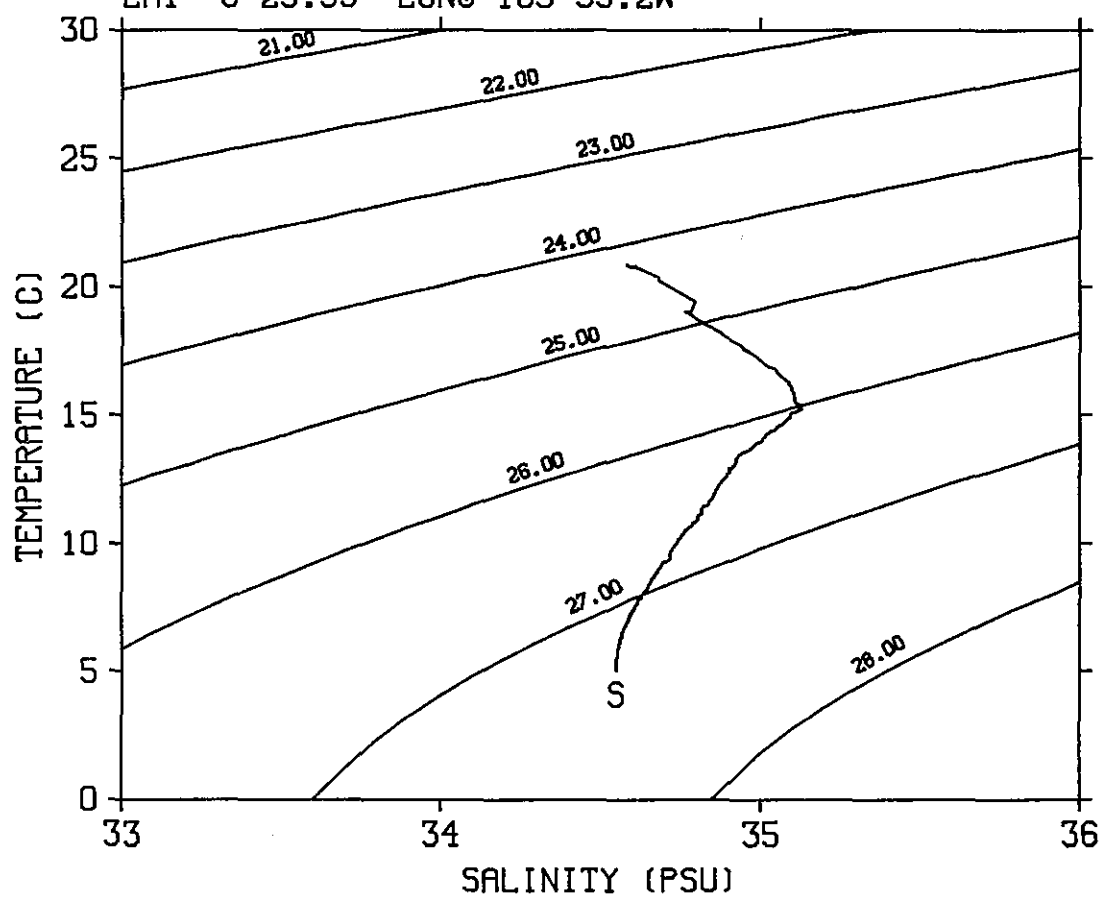


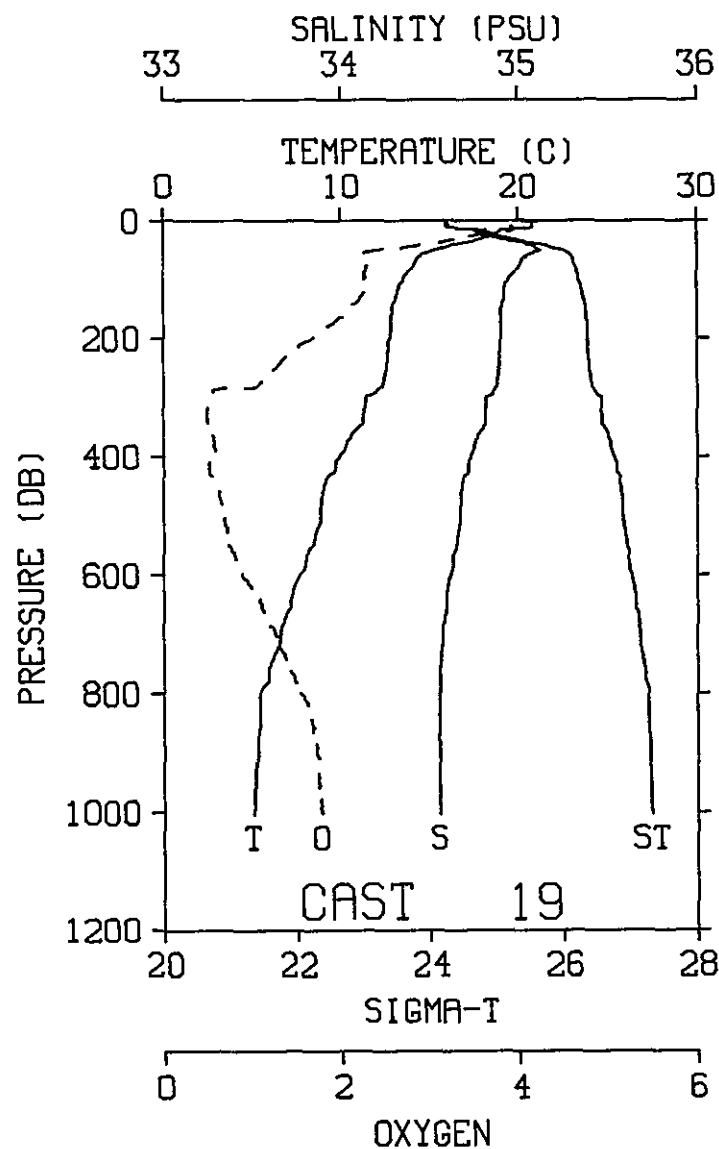
CAST EP4-84-RS-018 DATE 28 NOV 84 TIME 2300 GMT
 LAT 1 02.15 LONG 110 01.1W WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 100 T SPD 08 KT VISIBILITY 7
 CLOUD 3 AMOUNT 3 DRY 21.9 WET 21.0 DEPTH 3850 M



PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.235	34.622	4.36	24.144	0.000
10.	20.415	34.683	4.18	24.411	0.036
20.	19.580	34.770	3.88	24.697	0.070
30.	18.811	34.837	3.79	24.946	0.101
40.	17.644	34.931	3.52	25.308	0.130
50.	16.762	35.064	2.39	25.620	0.155
60.	15.461	35.063	2.05	25.919	0.177
70.	14.933	35.072	1.73	26.043	0.197
80.	14.389	35.037	1.77	26.133	0.217
90.	14.065	35.012	1.77	26.183	0.236
100.	13.620	34.979	1.76	26.250	0.254
110.	13.356	34.953	1.80	26.285	0.271
120.	13.182	34.942	1.84	26.312	0.289
130.	13.032	34.922	1.86	26.327	0.306
140.	12.931	34.914	1.86	26.341	0.323
150.	12.845	34.907	1.81	26.353	0.340
160.	12.796	34.904	1.69	26.360	0.357
170.	12.720	34.897	1.54	26.369	0.374
180.	12.716	34.896	1.50	26.370	0.391
190.	12.712	34.896	1.47	26.370	0.408
200.	12.680	34.895	1.45	26.376	0.425
250.	12.380	34.878	0.99	26.422	0.509
300.	11.786	34.839	0.67	26.505	0.590
350.	11.477	34.822	0.50	26.550	0.668
400.	9.963	34.730	0.70	26.748	0.742
450.	9.058	34.682	0.80	26.860	0.807
500.	8.215	34.636	0.93	26.956	0.869
550.	7.905	34.620	1.03	26.990	0.927
600.	7.221	34.589	1.21	27.065	0.983
650.	6.809	34.574	1.33	27.109	1.036
700.	6.315	34.557	1.46	27.162	1.087
750.	5.891	34.548	1.70	27.209	1.135
800.	5.651	34.547	1.71	27.239	1.182
850.	5.402	34.544	1.78	27.266	1.227
900.	5.151	34.543	1.92	27.296	1.271
950.	4.967	34.546	1.91	27.319	1.314
1000.	4.710	34.552	1.86	27.353	1.356
1009.	4.657	34.553	1.84	27.360	1.363

CAST EP4-84-RS-019 DATE 29 NOV 84 TIME 0257 GMT
LAT 0 29.9S LONG 109 39.2W

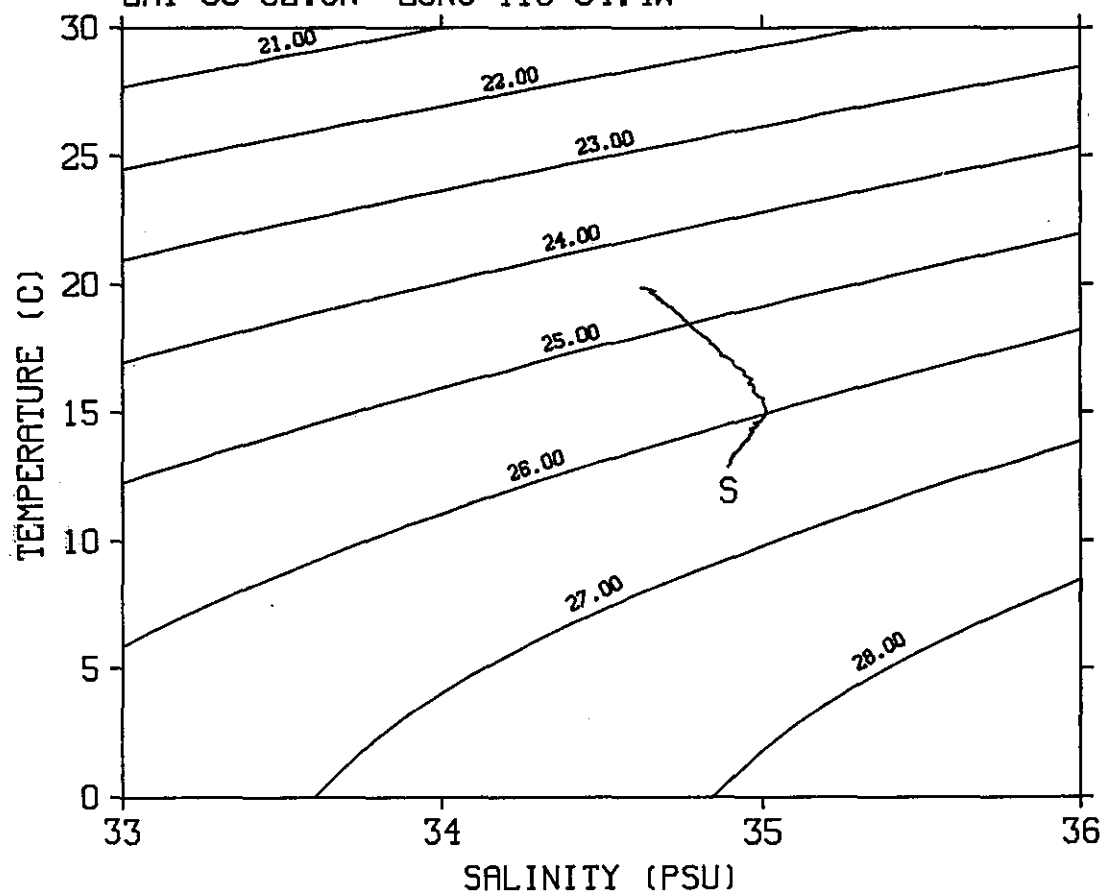




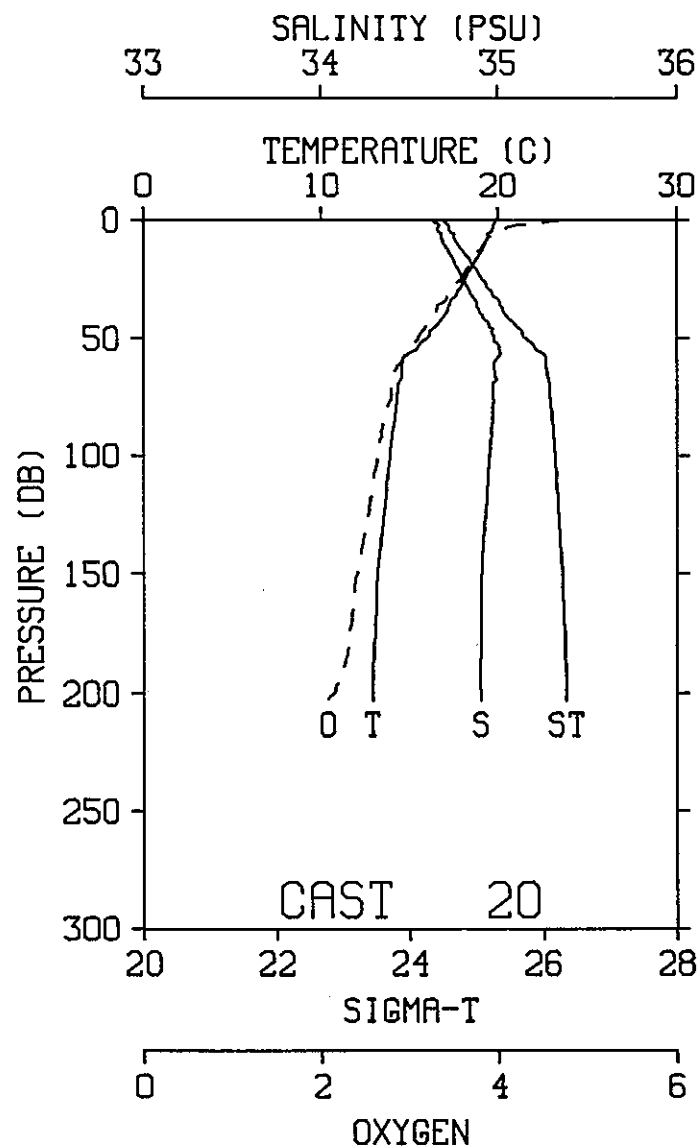
CAST EP4-84-RS-019 DATE 29 NOV 84 TIME 0257 GMT
 LAT 0 29.9S LONG 109 39.2W WEATHER 0 SEA STATE 3
 BAROMETER 14 WIND DIR 110 T SPD 08 KT VISIBILITY 9
 CLOUD X AMOUNT 0 DRY 21.0 WET 20.7 DEPTH 3645 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	20.861	34.583	4.26	24.215	0.000
10.	20.799	34.611	3.94	24.254	0.037
20.	18.852	34.783	3.66	24.894	0.070
30.	17.981	34.894	3.39	25.197	0.099
40.	16.536	35.057	3.01	25.669	0.125
50.	15.350	35.124	2.47	25.991	0.147
60.	14.491	35.045	2.28	26.118	0.166
70.	14.221	35.017	2.31	26.155	0.185
80.	14.028	35.001	2.29	26.183	0.203
90.	13.752	34.975	2.26	26.221	0.222
100.	13.519	34.944	2.25	26.245	0.240
110.	13.325	34.924	2.29	26.269	0.258
120.	13.220	34.920	2.27	26.287	0.275
130.	13.121	34.918	2.22	26.306	0.293
140.	12.981	34.910	2.18	26.328	0.310
150.	12.876	34.900	2.10	26.341	0.327
160.	12.849	34.898	2.03	26.345	0.344
170.	12.817	34.899	1.95	26.352	0.361
180.	12.795	34.899	1.85	26.356	0.378
190.	12.784	34.898	1.77	26.358	0.395
200.	12.751	34.899	1.70	26.365	0.412
250.	12.555	34.889	1.27	26.396	0.497
300.	11.371	34.816	0.54	26.564	0.579
350.	11.015	34.803	0.50	26.619	0.655
400.	9.889	34.729	0.57	26.760	0.726
450.	9.026	34.683	0.63	26.866	0.792
500.	8.789	34.669	0.68	26.893	0.854
550.	8.317	34.644	0.74	26.947	0.915
600.	7.630	34.614	0.88	27.025	0.974
650.	7.099	34.589	1.11	27.081	1.028
700.	6.535	34.570	1.26	27.143	1.080
750.	5.991	34.556	1.41	27.203	1.129
800.	5.415	34.548	1.54	27.268	1.176
850.	5.412	34.548	1.66	27.269	1.220
900.	5.259	34.547	1.71	27.286	1.265
950.	5.115	34.548	1.73	27.304	1.308
1000.	4.997	34.549	1.76	27.318	1.352
1004.	4.992	34.548	1.77	27.318	1.355

CAST EP4-84-RS-020 DATE 29 NOV 84 TIME 0755 GMT
LAT 00 02.6N LONG 110 04.4W

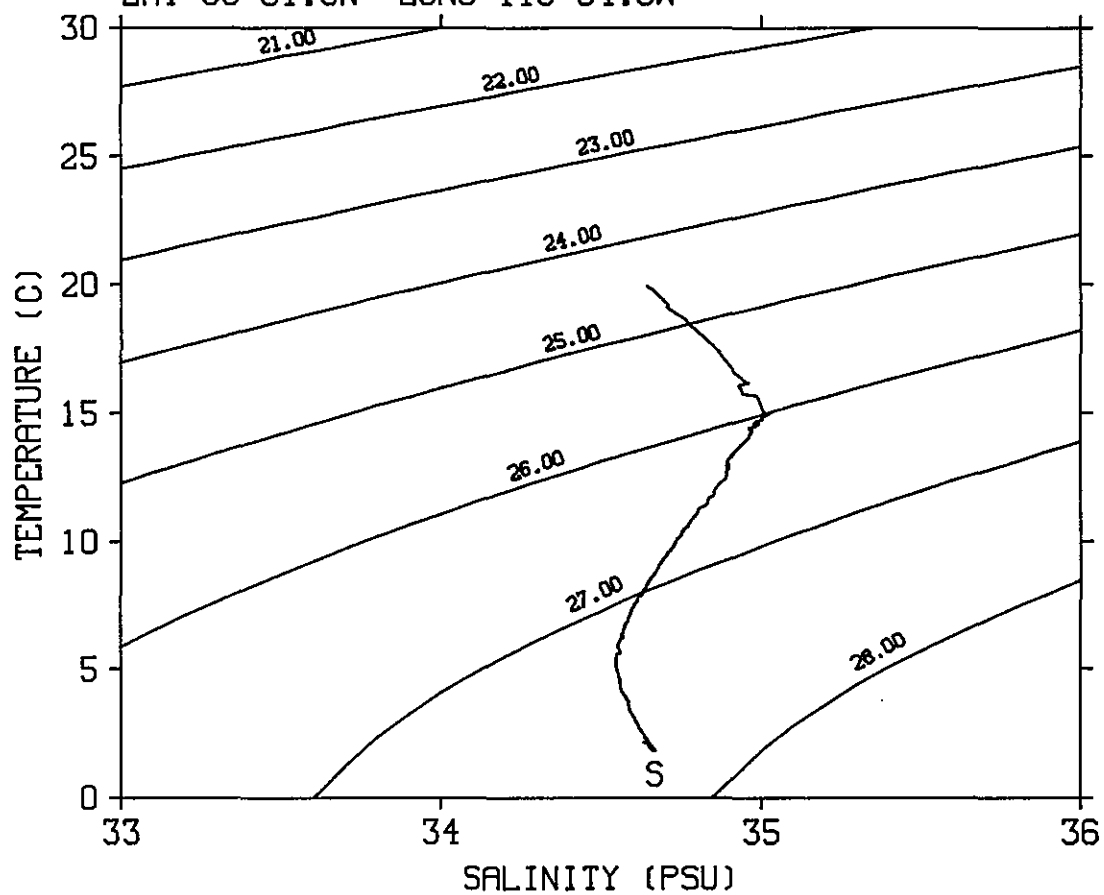


CAST EP4-84-RS-020 DATE 29 NOV 84 TIME 0755 GMT
 LAT 00 02.6N LONG 110 04.4W WEATHER 1 SEA STATE 2
 BAROMETER 15 WIND DIR 130 T SPD 10 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 23.8 WET 20.5 DEPTH M

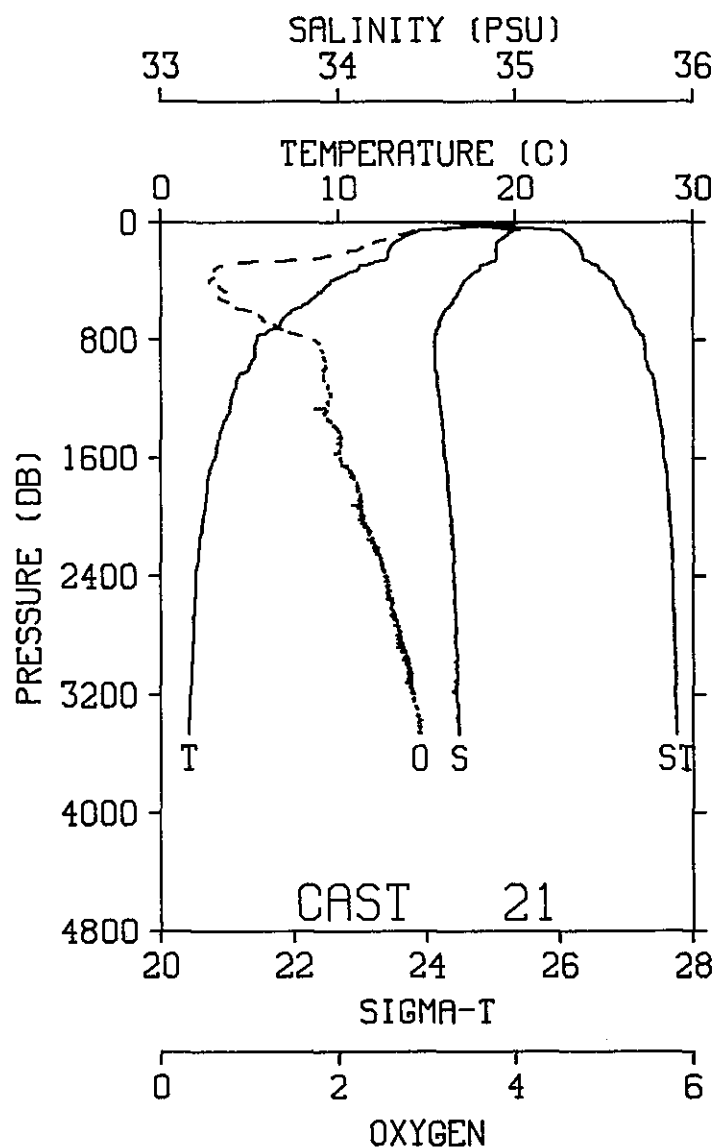


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	19.855	34.626	4.72	24.516	0.000
10.	19.270	34.691	3.84	24.717	0.033
20.	18.499	34.765	3.66	24.969	0.064
30.	17.686	34.842	3.47	25.229	0.093
40.	16.958	34.909	3.26	25.455	0.119
50.	15.962	34.976	3.09	25.739	0.143
60.	14.567	34.975	2.91	26.048	0.164
70.	14.329	34.963	2.80	26.090	0.183
80.	14.190	34.967	2.74	26.122	0.202
90.	14.011	34.958	2.67	26.153	0.221
100.	13.850	34.947	2.63	26.178	0.240
110.	13.712	34.938	2.58	26.200	0.258
120.	13.589	34.930	2.54	26.219	0.277
130.	13.438	34.918	2.51	26.241	0.295
140.	13.290	34.908	2.45	26.264	0.313
150.	13.127	34.902	2.41	26.292	0.331
160.	13.094	34.900	2.35	26.297	0.348
170.	13.014	34.899	2.33	26.313	0.366
180.	12.956	34.899	2.29	26.324	0.383
190.	12.872	34.894	2.22	26.337	0.400
200.	12.843	34.896	2.14	26.344	0.418
203.	12.844	34.896	2.06	26.344	0.423

CAST EP4-84-RS-021 DATE 29 NOV 84 TIME 0934 GMT
LAT 00 01.5N LONG 110 04.3W

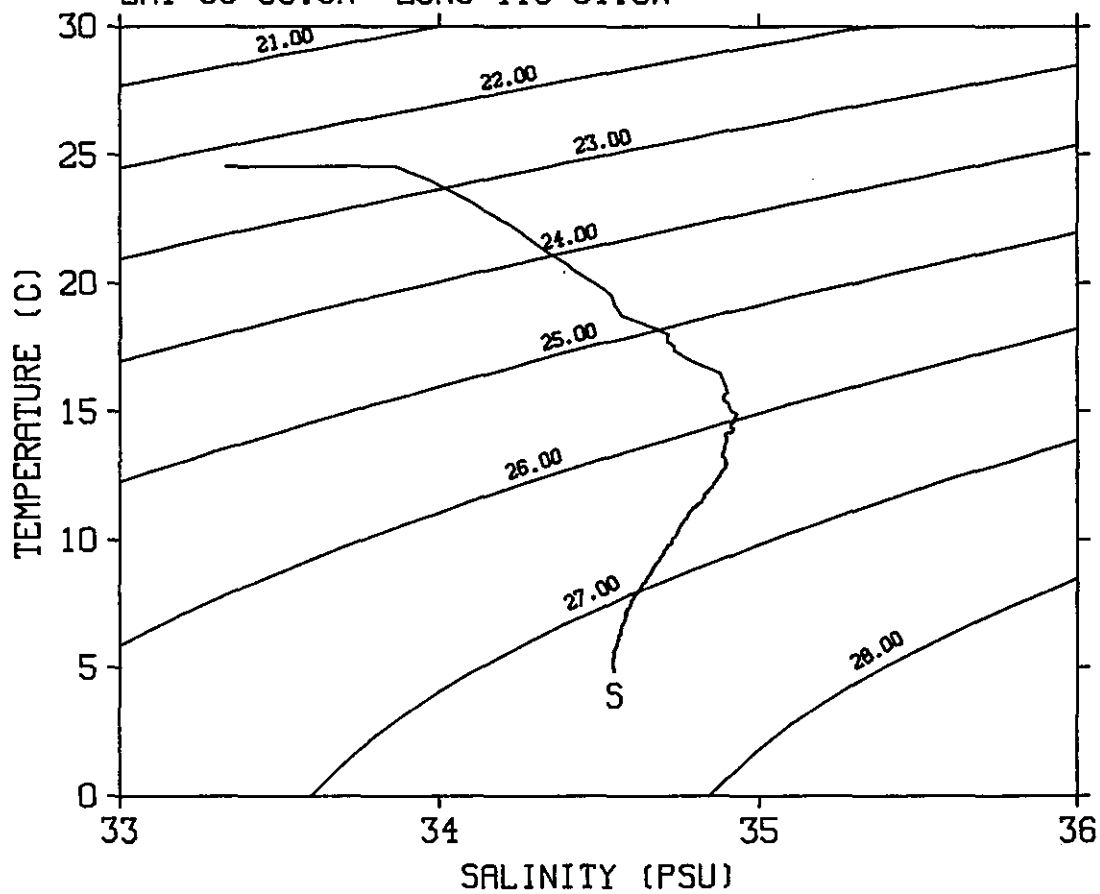


CAST EP4-84-RS-021 DATE 29 NOV 84 TIME 0934 GMT
 LAT 00 01.5N LONG 110 04.3W WEATHER 1 SEA STATE 1
 BAROMETER 13 WIND DIR 100 T SPD 09 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 20.0 WET 20.0 DEPTH 3667 M

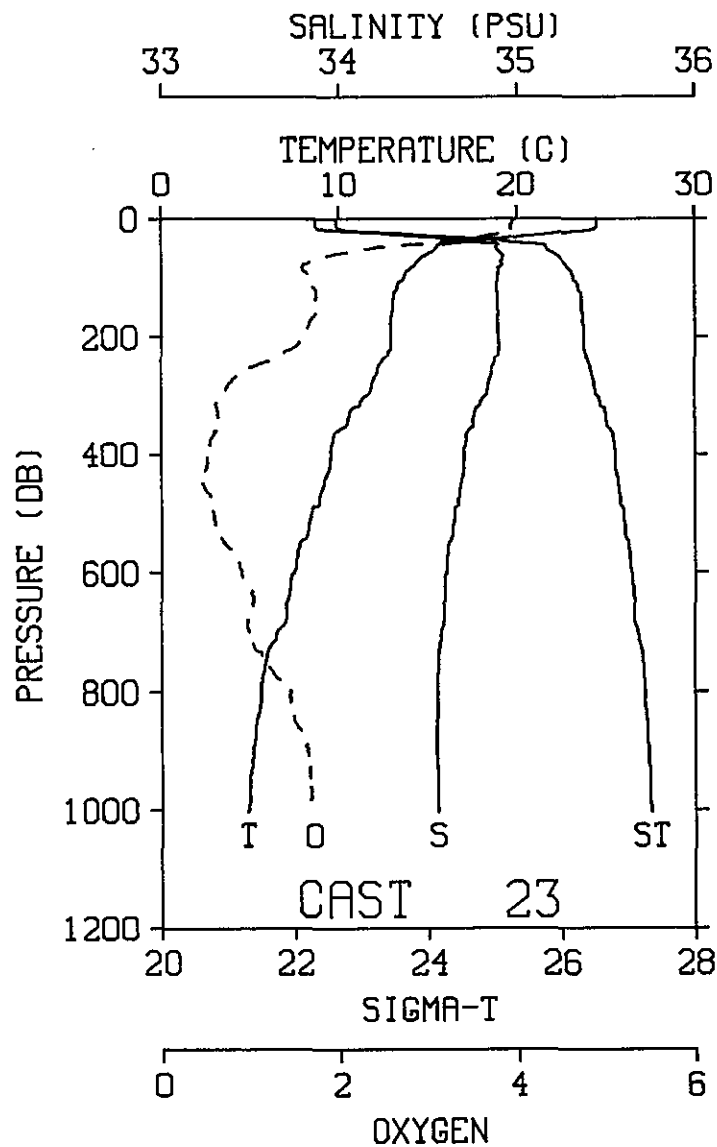


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	19.884	34.643	4.08	24.521	0.000
10.	19.492	34.682	3.90	24.653	0.034
20.	18.452	34.768	3.71	24.983	0.065
30.	17.669	34.839	3.48	25.231	0.093
40.	16.670	34.914	3.30	25.527	0.119
50.	15.546	34.989	3.05	25.843	0.143
60.	14.558	34.977	2.87	26.051	0.163
70.	14.449	34.979	2.82	26.076	0.182
80.	14.182	34.967	2.77	26.124	0.202
90.	13.991	34.959	2.68	26.158	0.221
100.	13.787	34.941	2.63	26.187	0.239
110.	13.652	34.932	2.57	26.208	0.257
120.	13.512	34.920	2.53	26.228	0.276
130.	13.381	34.912	2.47	26.248	0.294
140.	13.222	34.902	2.43	26.273	0.312
150.	13.108	34.894	2.38	26.289	0.329
160.	13.050	34.893	2.33	26.300	0.347
170.	12.988	34.896	2.31	26.315	0.364
180.	12.966	34.896	2.26	26.320	0.382
190.	12.897	34.894	2.21	26.332	0.399
200.	12.855	34.892	2.12	26.339	0.416
250.	12.756	34.895	1.73	26.361	0.503
300.	11.211	34.802	0.67	26.583	0.584
350.	10.509	34.765	0.61	26.681	0.658
400.	9.563	34.710	0.54	26.799	0.727
450.	9.221	34.690	0.66	26.840	0.793
500.	8.835	34.671	0.70	26.887	0.856
550.	8.349	34.644	0.74	26.942	0.917
600.	7.507	34.604	0.94	27.035	0.975
650.	6.939	34.584	1.15	27.099	1.029
700.	6.758	34.576	1.26	27.118	1.081
750.	6.009	34.556	1.40	27.201	1.132
800.	5.420	34.546	1.71	27.266	1.177
850.	5.315	34.546	1.79	27.278	1.222
900.	5.292	34.545	1.83	27.280	1.266
950.	5.109	34.547	1.85	27.304	1.310
1000.	4.945	34.550	1.85	27.325	1.353
1500.	3.211	34.597	2.02	27.544	1.712
2000.	2.359	34.636	2.26	27.651	2.001
2500.	1.954	34.658	2.56	27.701	2.253
3000.	1.705	34.666	2.79	27.727	2.491
3472.	1.556	34.683	2.92	27.751	2.707

CAST EP4-84-RS-023 DATE 29 NOV 84 TIME 1743 GMT
LAT 00 59.9N LONG 110 01.9W

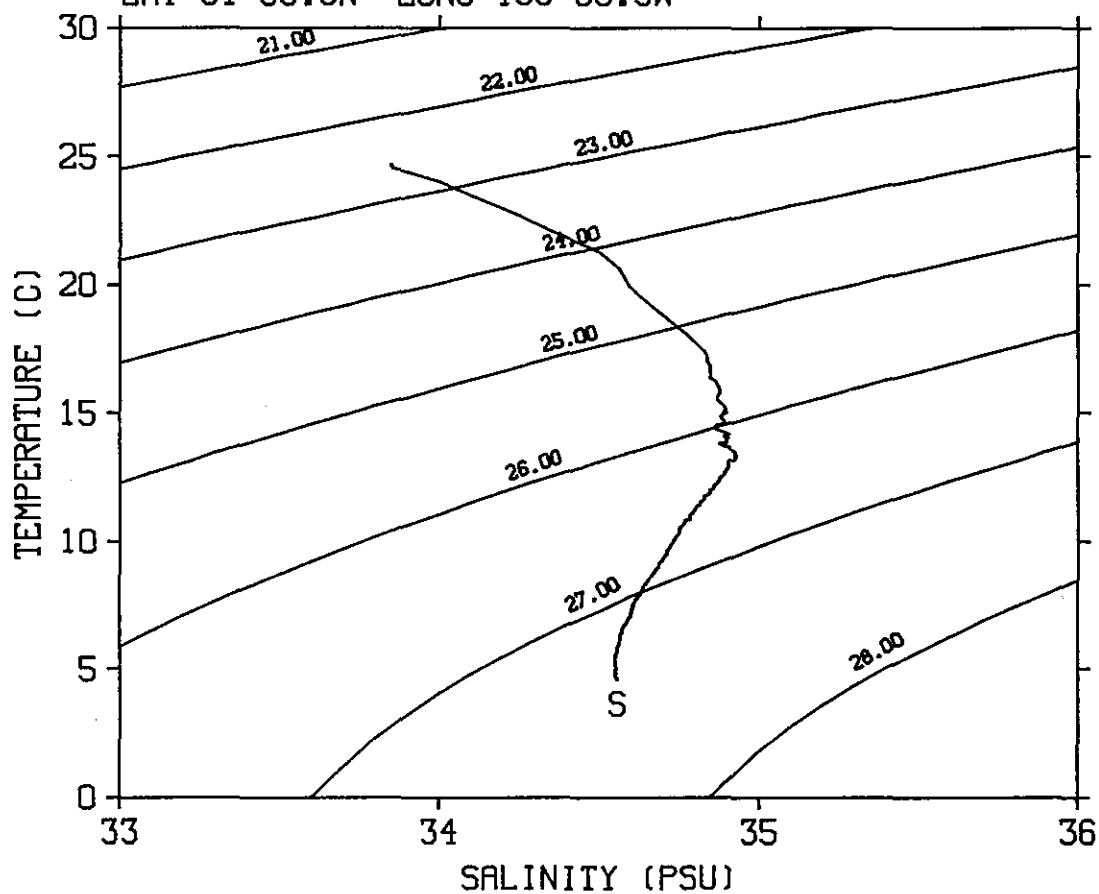


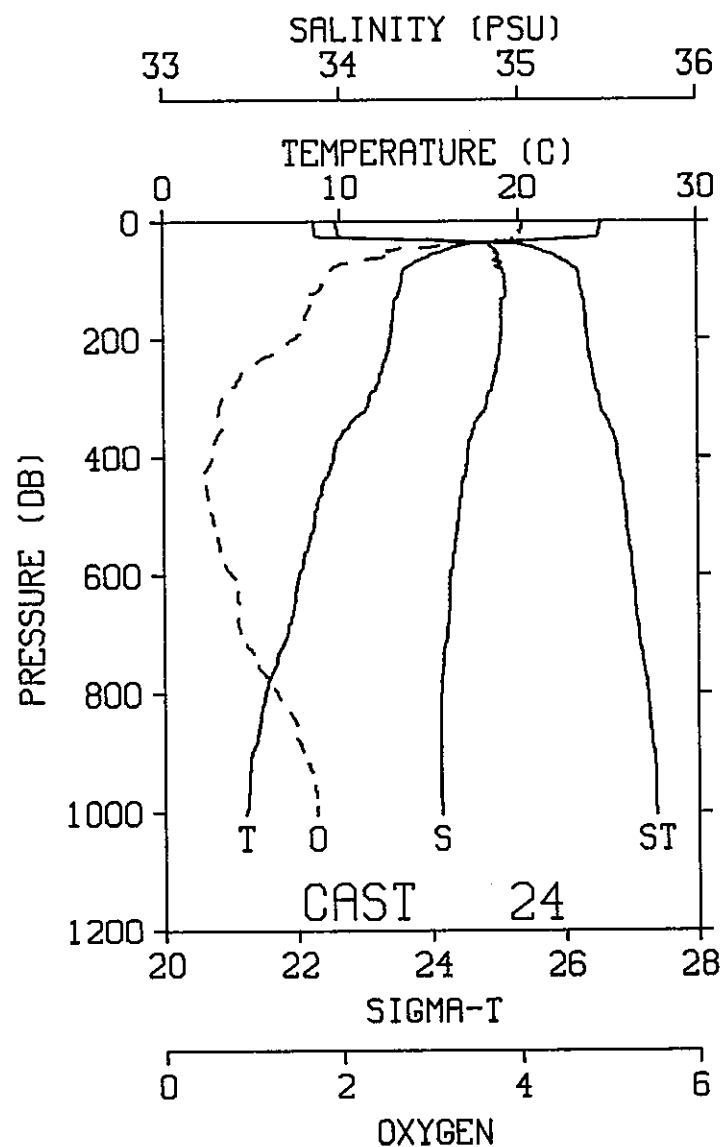
CAST EP4-84-RS-023 DATE 29 NOV 84 TIME 1743 GMT
 LAT 00 59.9N LONG 110 01.9W WEATHER 2 SEA STATE 5
 BAROMETER 15 WIND DIR 170 T SPD 14 KT VISIBILITY 0
 CLOUD 8 AMOUNT 9 DRY 25.0 WET 20.0 DEPTH 3739 M



PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-O (DYN-M)
0.	24.524	33.833	4.00	22.226	0.000
10.	24.520	33.866	3.94	22.631	0.052
20.	23.985	33.967	3.94	22.866	0.104
30.	20.424	34.429	3.62	24.216	0.147
40.	17.027	34.779	3.04	25.339	0.178
50.	15.450	34.890	2.38	25.788	0.201
60.	15.000	34.914	1.97	25.906	0.223
70.	14.509	34.916	1.70	26.014	0.243
80.	14.198	34.916	1.60	26.081	0.263
90.	13.774	34.901	1.62	26.158	0.282
100.	13.630	34.893	1.66	26.182	0.300
110.	13.304	34.885	1.71	26.243	0.319
120.	13.213	34.885	1.74	26.262	0.337
130.	13.041	34.892	1.74	26.302	0.354
140.	13.028	34.893	1.74	26.305	0.372
150.	13.008	34.894	1.75	26.309	0.389
160.	12.948	34.900	1.75	26.326	0.407
170.	12.894	34.893	1.69	26.332	0.424
180.	12.893	34.894	1.66	26.333	0.441
190.	12.873	34.894	1.64	26.337	0.458
200.	12.860	34.895	1.59	26.340	0.476
250.	12.202	34.862	1.05	26.444	0.561
300.	11.559	34.829	0.67	26.540	0.641
350.	10.427	34.752	0.62	26.685	0.715
400.	9.494	34.703	0.52	26.805	0.782
450.	9.114	34.684	0.45	26.853	0.847
500.	8.432	34.648	0.59	26.932	0.909
550.	7.760	34.614	0.71	27.006	0.968
600.	7.410	34.598	0.89	27.045	1.024
650.	7.010	34.585	1.02	27.091	1.078
700.	6.472	34.573	0.97	27.154	1.131
750.	5.844	34.557	1.19	27.222	1.179
800.	5.570	34.549	1.43	27.250	1.225
850.	5.322	34.545	1.50	27.277	1.270
900.	5.118	34.545	1.63	27.301	1.314
950.	4.927	34.548	1.66	27.325	1.356
1000.	4.823	34.549	1.68	27.338	1.398
1004.	4.814	34.549	1.71	27.339	1.402

CAST EP4-84-RS-024 DATE 29 NOV 84 TIME 2128 GMT
LAT 01 30.3N LONG 109 59.9W

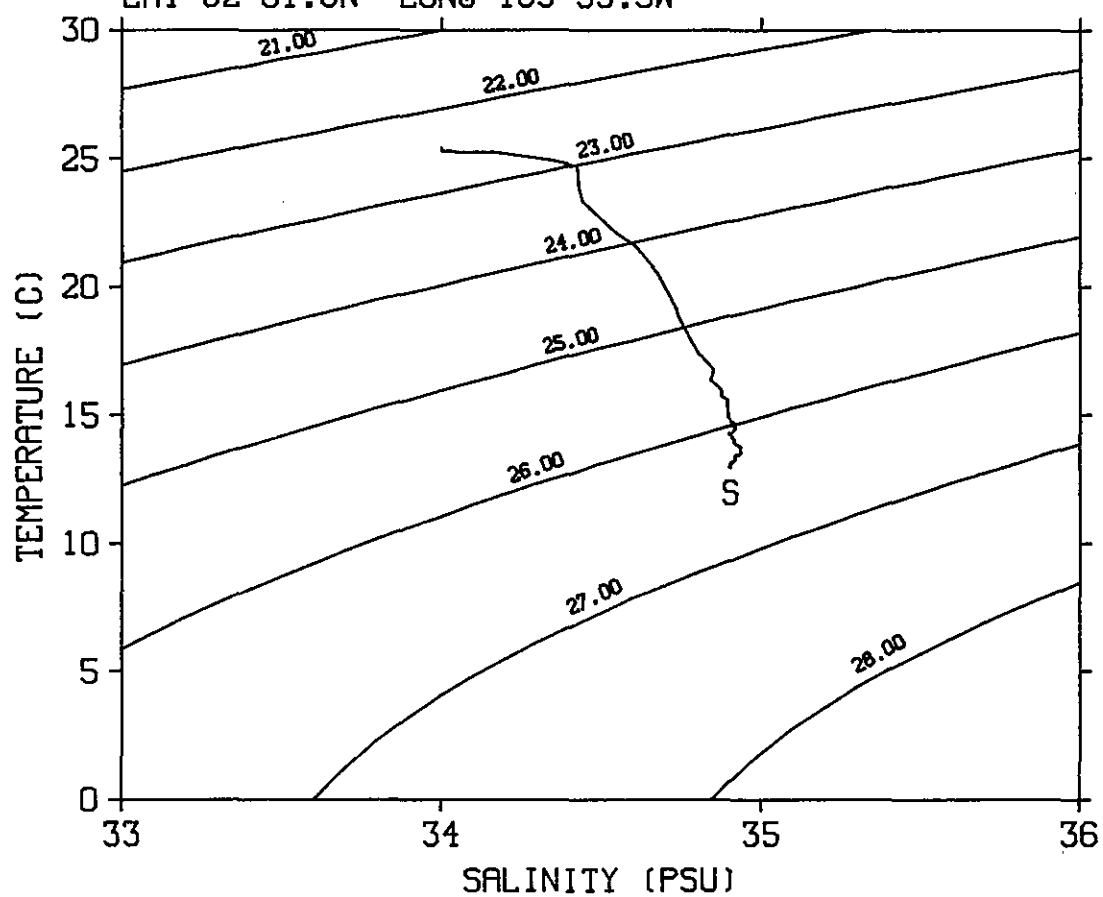




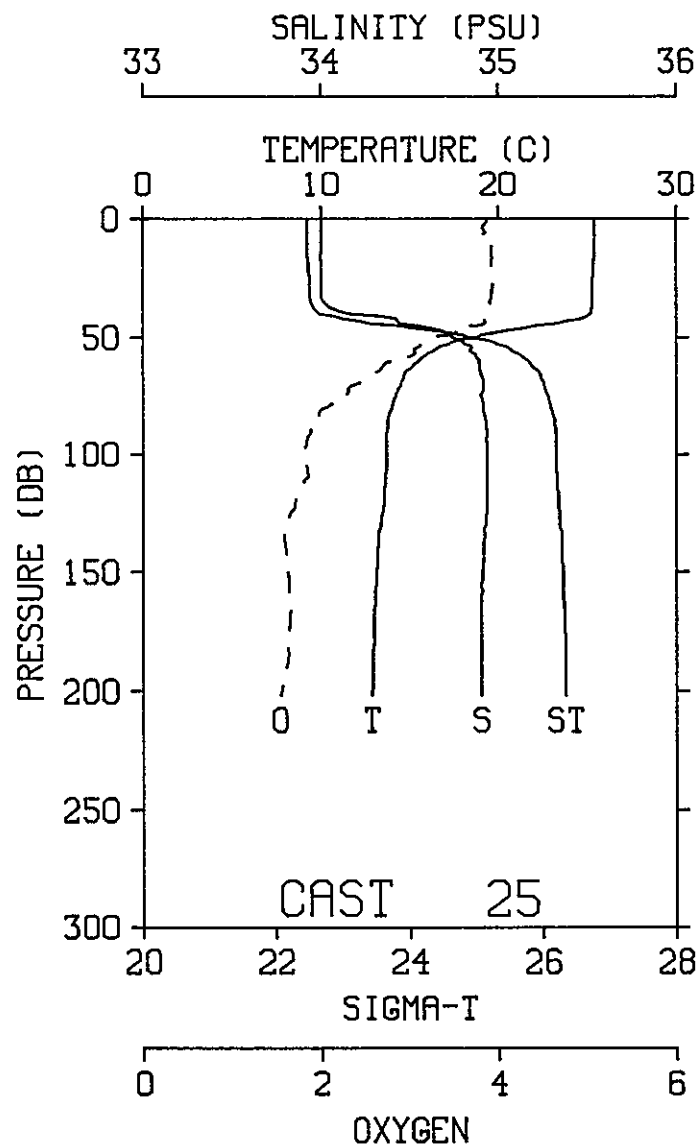
CAST EP4-84-RS-024 DATE 29 NOV 84 TIME 2128 GMT
 LAT 01 30.3N LONG 109 59.9W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 160 T SPD 15 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 24.3 WET 21.0 DEPTH 3675 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.637	33.845	4.05	22.580	0.000
10.	24.609	33.852	4.03	22.594	0.052
20.	24.514	33.850	4.01	22.621	0.105
30.	22.660	34.249	3.93	23.463	0.156
40.	16.977	34.831	3.26	25.391	0.189
50.	15.841	34.874	2.53	25.688	0.213
60.	14.943	34.894	2.49	25.904	0.235
70.	14.148	34.902	2.11	26.081	0.256
80.	13.627	34.906	1.91	26.193	0.275
90.	13.466	34.920	1.85	26.237	0.293
100.	13.434	34.923	1.81	26.246	0.311
110.	13.366	34.922	1.79	26.259	0.329
120.	13.276	34.927	1.72	26.281	0.346
130.	13.189	34.924	1.62	26.296	0.364
140.	13.001	34.902	1.66	26.317	0.381
150.	12.957	34.901	1.64	26.325	0.399
160.	12.909	34.901	1.60	26.335	0.416
170.	12.884	34.902	1.61	26.341	0.433
180.	12.858	34.901	1.58	26.345	0.450
190.	12.815	34.900	1.55	26.353	0.467
200.	12.747	34.897	1.47	26.364	0.484
250.	12.300	34.870	0.93	26.431	0.569
300.	11.564	34.821	0.66	26.533	0.649
350.	10.383	34.747	0.65	26.688	0.724
400.	9.538	34.707	0.53	26.801	0.792
450.	8.883	34.675	0.46	26.883	0.856
500.	8.475	34.653	0.54	26.930	0.917
550.	8.094	34.636	0.61	26.974	0.977
600.	7.550	34.606	0.76	27.031	1.034
650.	7.300	34.603	0.83	27.064	1.089
700.	6.871	34.588	0.85	27.112	1.142
750.	6.268	34.566	1.03	27.175	1.193
800.	5.637	34.552	1.27	27.245	1.240
850.	5.326	34.548	1.48	27.279	1.285
900.	4.839	34.551	1.55	27.338	1.328
950.	4.691	34.552	1.66	27.356	1.369
1000.	4.546	34.555	1.70	27.374	1.409
1005.	4.522	34.556	1.70	27.377	1.413

CAST EP4-84-RS-025 DATE 30 NOV 84 TIME 0055 GMT
LAT 02 01.0N LONG 109 59.9W

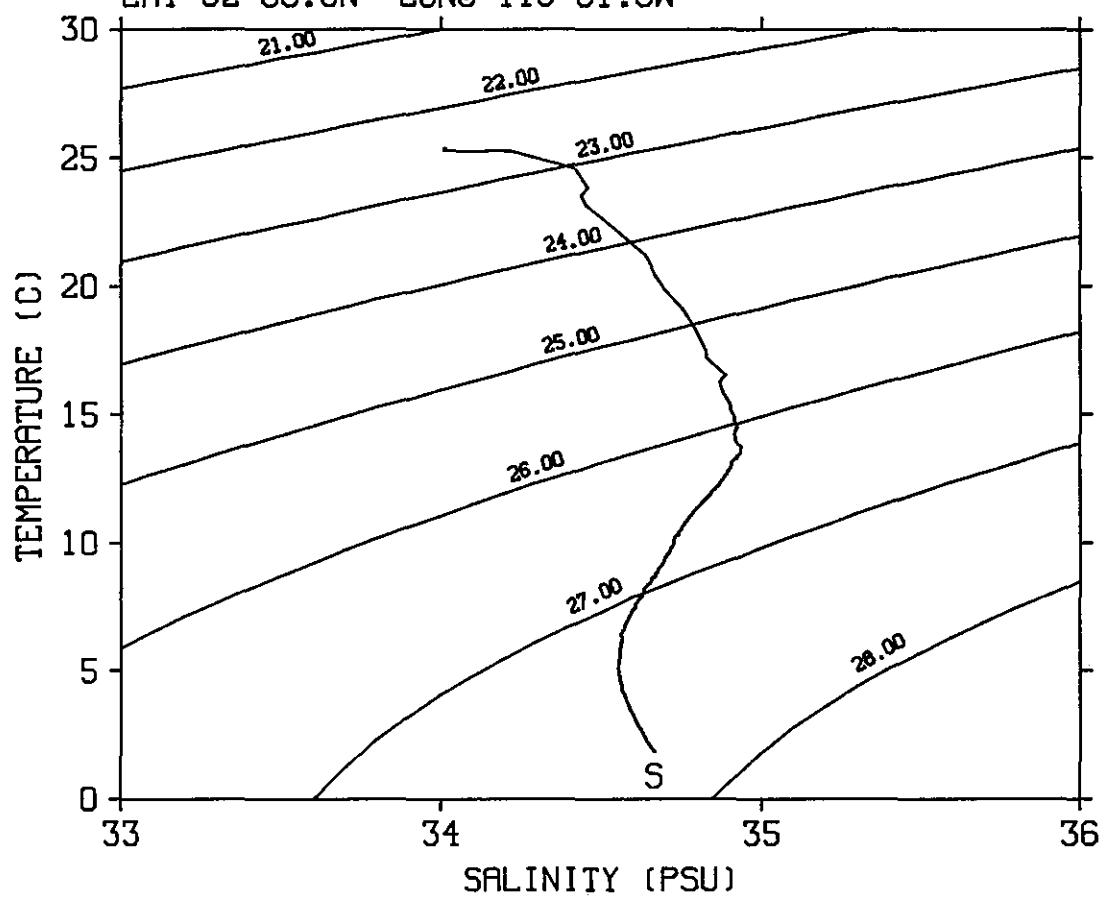


CAST EP4-84-RS-025 DATE 30 NOV 84 TIME 0055 GMT
 LAT 02 01.0N LONG 109 59.9W WEATHER 2 SEA STATE 4
 BAROMETER 11 WIND DIR 150 T SPD 16 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 21.7 WET 23.7 DEPTH 3800 M

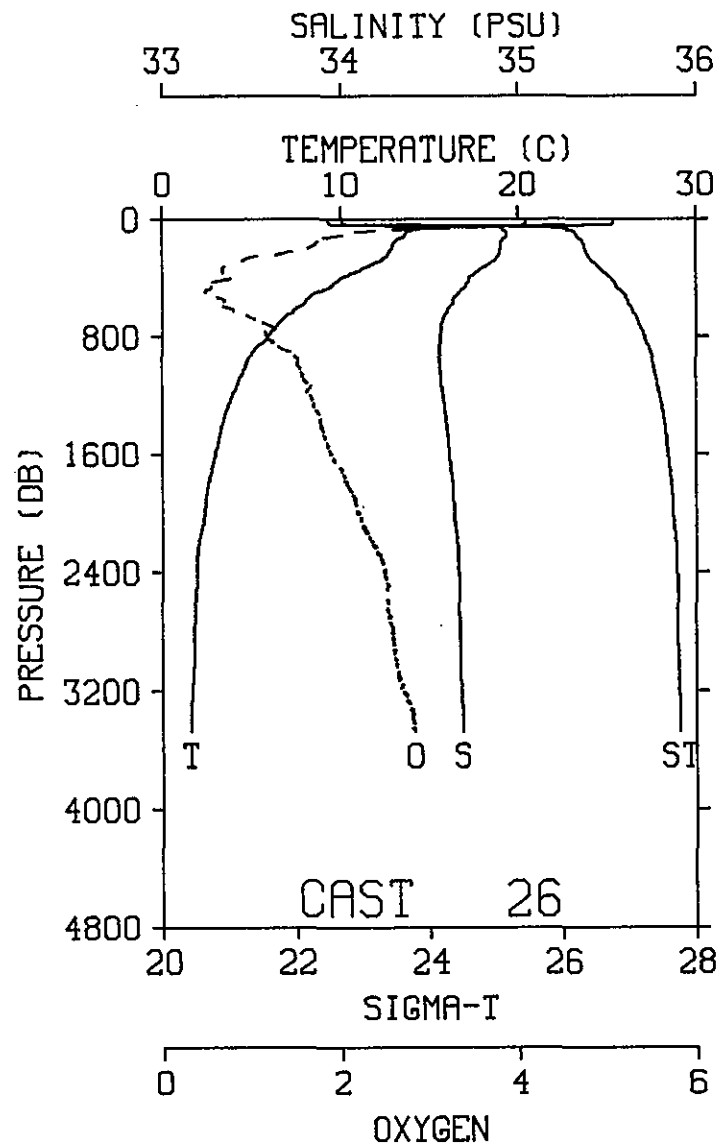


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.399	34.001	3.88	22.467	0.000
10.	25.393	34.001	3.91	22.469	0.054
20.	25.358	34.000	3.92	22.479	0.107
30.	25.288	34.002	3.93	22.502	0.161
40.	25.220	34.163	3.91	22.644	0.214
50.	18.826	34.742	3.28	24.869	0.255
60.	15.536	34.894	2.82	25.772	0.280
70.	14.519	34.918	2.41	26.014	0.301
80.	14.007	34.919	2.07	26.124	0.321
90.	13.747	34.934	1.89	26.190	0.339
100.	13.722	34.937	1.81	26.197	0.358
110.	13.646	34.935	1.85	26.212	0.376
120.	13.571	34.936	1.72	26.227	0.394
130.	13.407	34.930	1.59	26.257	0.412
140.	13.209	34.917	1.60	26.287	0.430
150.	13.140	34.910	1.62	26.295	0.447
160.	13.067	34.906	1.64	26.307	0.465
170.	12.982	34.904	1.66	26.323	0.482
180.	12.958	34.904	1.64	26.328	0.500
190.	12.931	34.903	1.61	26.333	0.517
200.	12.888	34.903	1.55	26.341	0.534
202.	12.887	34.903	1.55	26.341	0.538

CAST EP4-84-RS-026 DATE 30 NOV 84 TIME 0300 GMT
LAT 02 00.8N LONG 110 01.0W

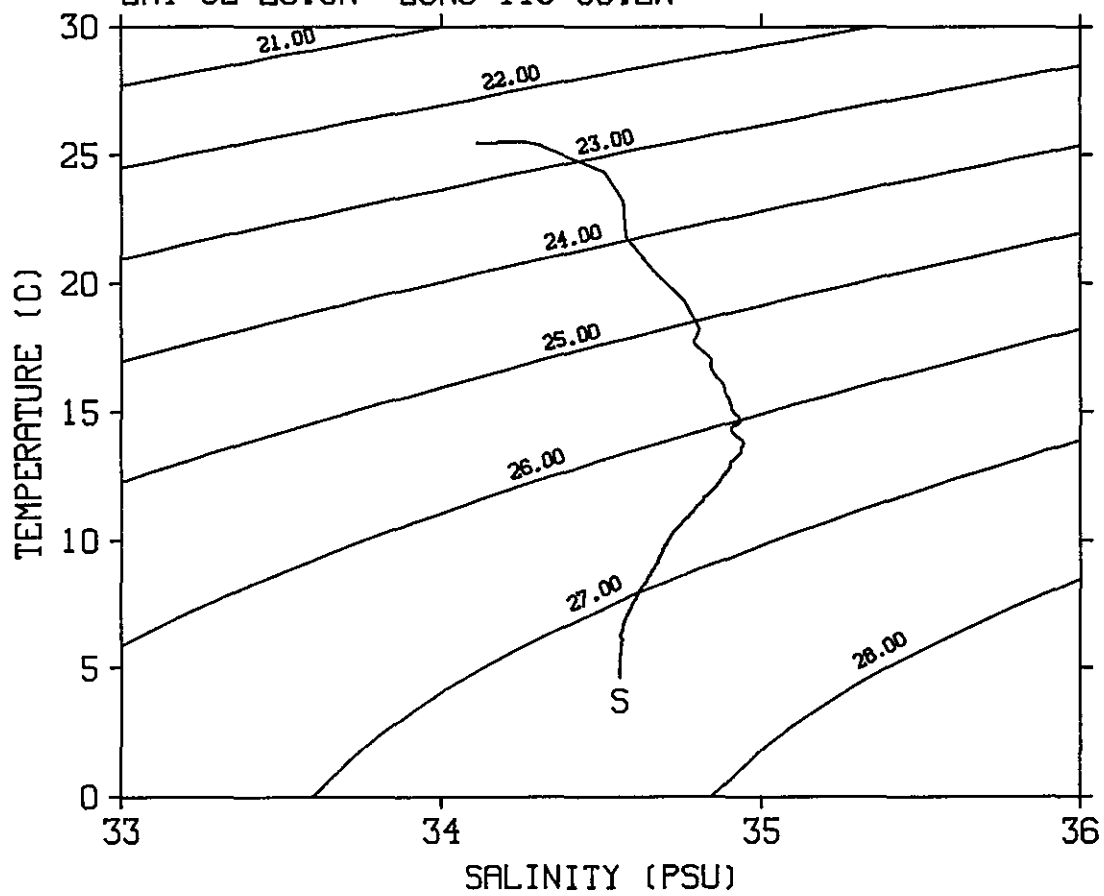


CAST EP4-84-RS-026 DATE 30 NOV 84 TIME 0300 GMT
 LAT 02 00.8N LONG 110 01.0W WEATHER 2 SEA STATE 4
 BAROMETER 12 WIND DIR 150 T SPD 16 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 21.3 WET 20.4 DEPTH 3670 M

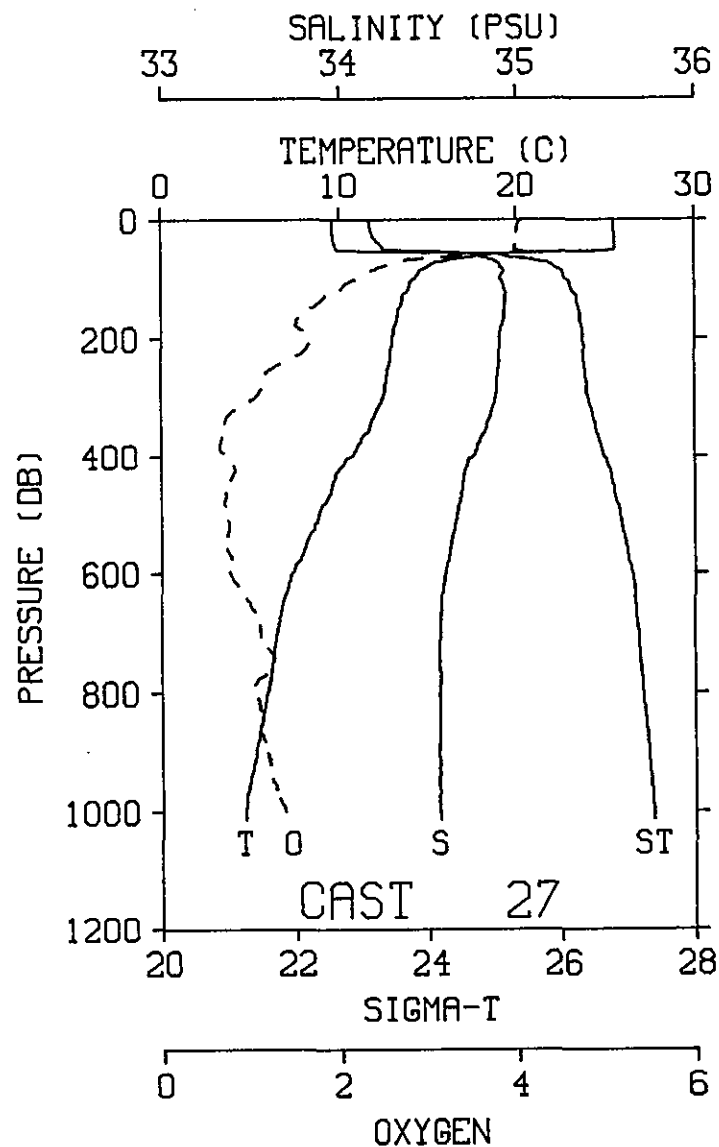


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.365	34.015	4.09	22.488	0.000
10.	25.371	34.007	4.08	22.480	0.054
20.	25.341	34.006	4.09	22.488	0.107
30.	25.289	34.007	4.08	22.505	0.161
40.	25.248	34.223	4.05	22.681	0.213
50.	18.344	34.792	3.81	25.028	0.254
60.	15.205	34.901	3.20	25.851	0.278
70.	14.343	34.915	2.71	26.050	0.299
80.	13.859	34.922	2.41	26.157	0.318
90.	13.736	34.934	2.16	26.192	0.336
100.	13.724	34.938	2.04	26.197	0.355
110.	13.634	34.936	2.00	26.215	0.373
120.	13.582	34.934	1.92	26.224	0.391
130.	13.407	34.930	1.81	26.257	0.409
140.	13.209	34.917	1.73	26.287	0.427
150.	13.144	34.912	1.73	26.296	0.444
160.	13.055	34.905	1.73	26.309	0.462
170.	12.977	34.904	1.72	26.324	0.479
180.	12.951	34.904	1.70	26.329	0.497
190.	12.909	34.904	1.66	26.337	0.514
200.	12.885	34.903	1.63	26.342	0.531
250.	12.636	34.891	1.12	26.382	0.617
300.	11.946	34.846	0.80	26.481	0.700
350.	11.107	34.783	0.67	26.588	0.778
400.	10.032	34.725	0.76	26.733	0.851
450.	9.550	34.709	0.54	26.800	0.918
500.	8.714	34.667	0.49	26.903	0.983
550.	8.101	34.635	0.69	26.972	1.042
600.	7.632	34.614	0.70	27.026	1.100
650.	7.068	34.588	0.89	27.085	1.155
700.	6.641	34.573	1.09	27.131	1.207
750.	6.244	34.568	1.16	27.180	1.257
800.	5.881	34.563	1.16	27.223	1.305
850.	5.556	34.561	1.21	27.261	1.352
900.	5.081	34.554	1.39	27.312	1.395
950.	4.817	34.556	1.51	27.345	1.437
1000.	4.666	34.562	1.51	27.366	1.478
1500.	3.110	34.606	1.84	27.561	1.830
2000.	2.336	34.639	2.19	27.655	2.115
2500.	1.842	34.665	2.52	27.716	2.359
3000.	1.721	34.673	2.61	27.732	2.592
3479.	1.536	34.686	2.83	27.755	2.808

CAST EP4-84-RS-027 DATE 30 NOV 84 TIME 0652 GMT
LAT 02 29.9N LONG 110 00.2W

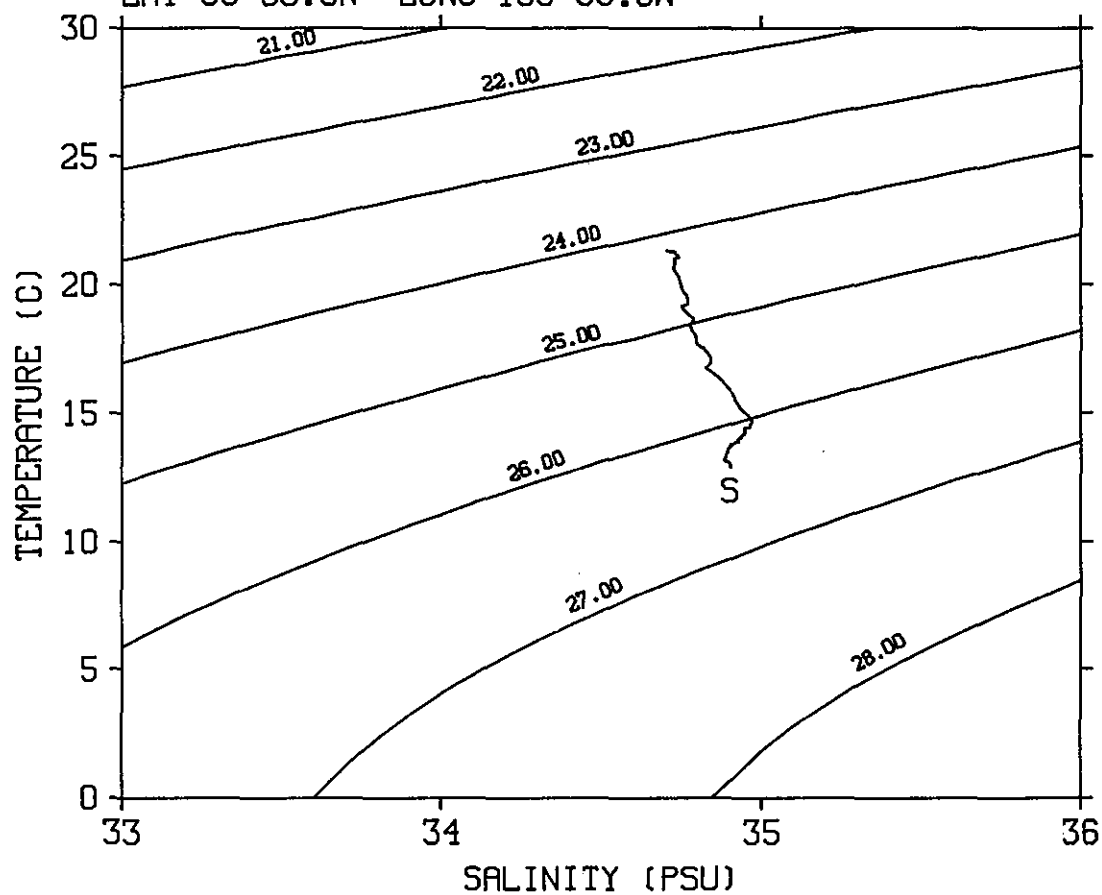


CAST EP4-84-RS-027 DATE 30 NOV 84 TIME 0652 GMT
 LAT 02 29.9N LONG 110 00.2W WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 150 T SPD 20 KT VISIBILITY 7
 CLOUD 3 AMOUNT 6 DRY 24.3 WET 22.0 DEPTH 3672 M

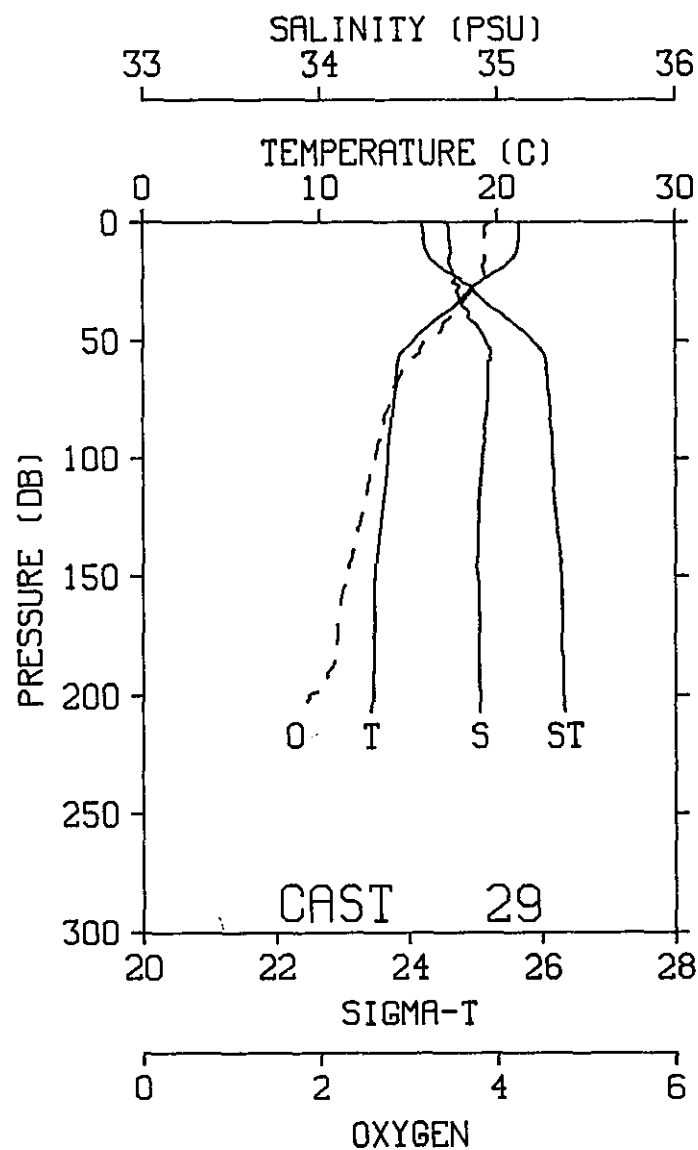


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.460	34.110	4.08	22.531	0.000
10.	25.480	34.175	4.01	22.573	0.053
20.	25.492	34.179	4.00	22.573	0.105
30.	25.506	34.197	4.00	22.582	0.158
40.	25.513	34.233	4.00	22.608	0.211
50.	25.508	34.252	3.98	22.623	0.263
60.	17.865	34.796	3.45	25.150	0.303
70.	15.962	34.883	2.68	25.667	0.329
80.	14.990	34.911	2.48	25.906	0.351
90.	14.475	34.921	2.30	26.026	0.371
100.	14.208	34.907	2.18	26.072	0.391
110.	13.976	34.926	2.05	26.135	0.410
120.	13.868	34.937	2.00	26.167	0.429
130.	13.585	34.937	1.85	26.226	0.447
140.	13.519	34.935	1.77	26.238	0.466
150.	13.358	34.932	1.67	26.269	0.484
160.	13.294	34.927	1.57	26.278	0.501
170.	13.244	34.924	1.51	26.285	0.519
180.	13.117	34.913	1.51	26.303	0.537
190.	13.036	34.905	1.60	26.313	0.554
200.	12.997	34.902	1.65	26.319	0.572
250.	12.786	34.900	1.27	26.359	0.658
300.	12.499	34.882	1.05	26.401	0.744
350.	11.725	34.828	0.70	26.508	0.826
400.	10.705	34.754	0.71	26.637	0.903
450.	9.574	34.692	0.74	26.783	0.972
500.	8.811	34.660	0.75	26.882	1.037
550.	8.051	34.623	0.72	26.971	1.098
600.	7.287	34.592	0.76	27.057	1.155
650.	6.800	34.573	0.99	27.110	1.208
700.	6.447	34.566	1.11	27.152	1.259
750.	6.189	34.560	1.25	27.181	1.309
800.	5.884	34.563	1.05	27.222	1.357
850.	5.574	34.561	1.10	27.259	1.403
900.	5.245	34.557	1.19	27.296	1.447
950.	4.877	34.556	1.23	27.337	1.490
1000.	4.661	34.558	1.37	27.363	1.531
1014.	4.603	34.559	1.46	27.370	1.542

CAST EP4-84-RS-029 DATE 02 DEC 84 TIME 0326 GMT
LAT 00 00.3N LONG 105 00.0W

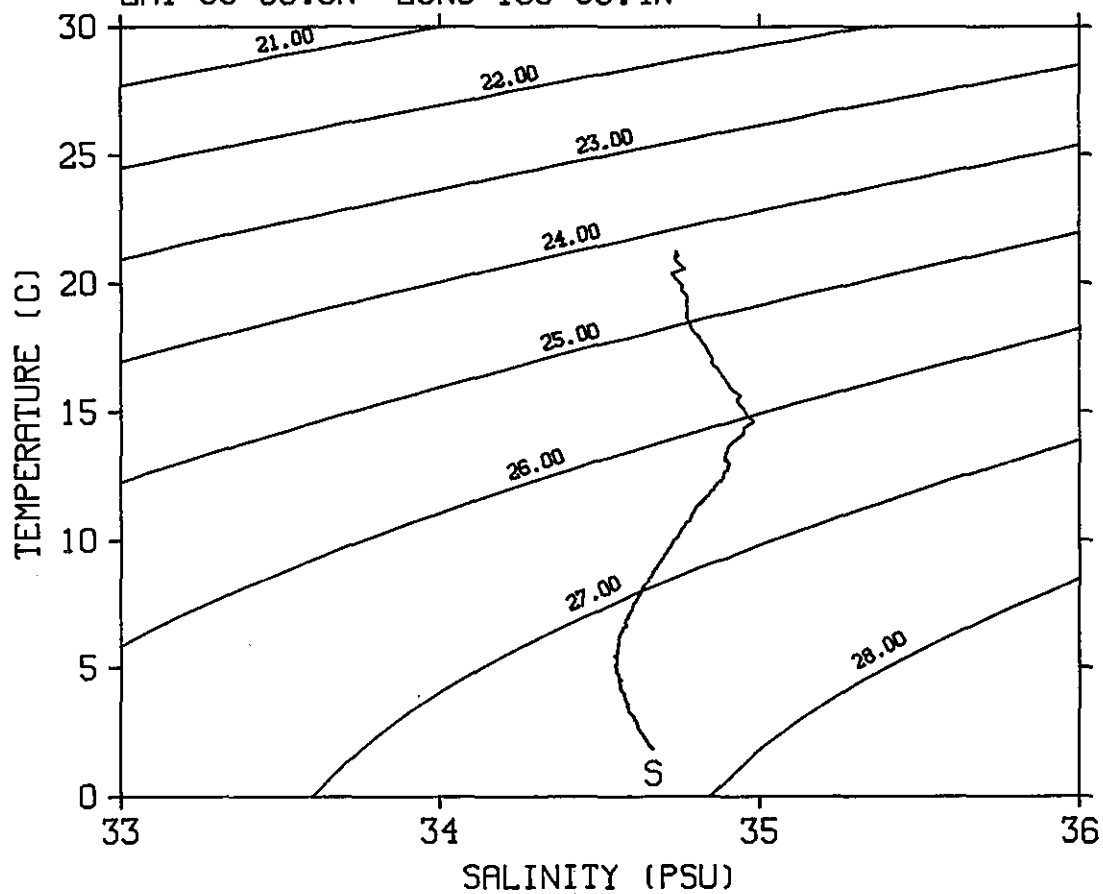


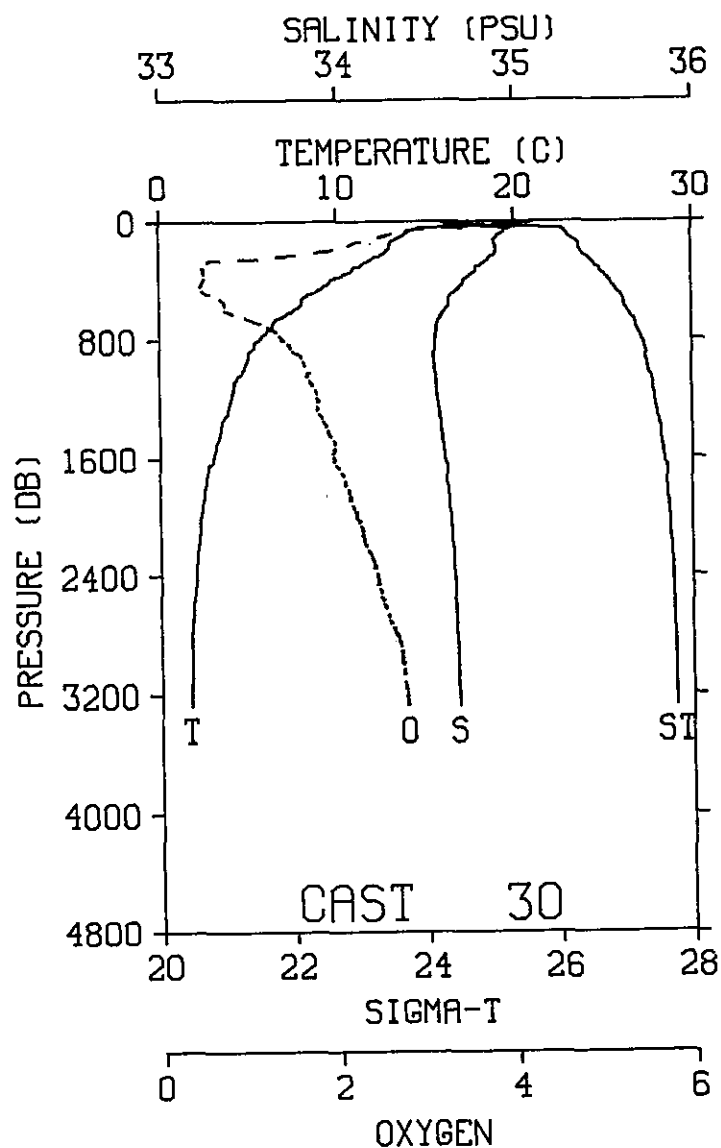
CAST EP4-84-RS-029 DATE 02 DEC 84 TIME 0326 GMT
 LAT 00 00.3N LONG 105 00.0W WEATHER 2 SEA STATE 4
 BAROMETER 12 WIND DIR 135 T SPD 10 KT VISIBILITY 9
 CLOUD 8 AMOUNT 9 DRY 21.5 WET 20.5 DEPTH 3475 M



PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.282	34.708	3.94	24.196	0.000
10.	21.177	34.735	3.86	24.246	0.037
20.	20.208	34.744	3.84	24.513	0.073
30.	18.309	34.780	3.69	25.028	0.104
40.	16.758	34.827	3.48	25.439	0.131
50.	15.258	34.931	3.23	25.863	0.155
60.	14.375	34.948	2.94	26.068	0.175
70.	14.255	34.946	2.83	26.092	0.194
80.	14.098	34.939	2.75	26.120	0.213
90.	13.918	34.926	2.68	26.148	0.232
100.	13.820	34.915	2.62	26.159	0.251
110.	13.702	34.903	2.55	26.175	0.270
120.	13.563	34.895	2.51	26.198	0.288
130.	13.380	34.890	2.42	26.231	0.306
140.	13.205	34.885	2.36	26.263	0.324
150.	13.075	34.890	2.30	26.293	0.342
160.	13.043	34.894	2.23	26.303	0.360
170.	13.042	34.895	2.20	26.304	0.377
180.	13.032	34.894	2.18	26.305	0.395
190.	13.007	34.897	2.09	26.313	0.412
200.	12.976	34.900	1.87	26.321	0.430
207.	12.860	34.901	1.71	26.345	0.442

CAST EP4-84-RS-030 DATE 02 DEC 84 TIME 0501 GMT
LAT 00 00.9N LONG 105 00.4W

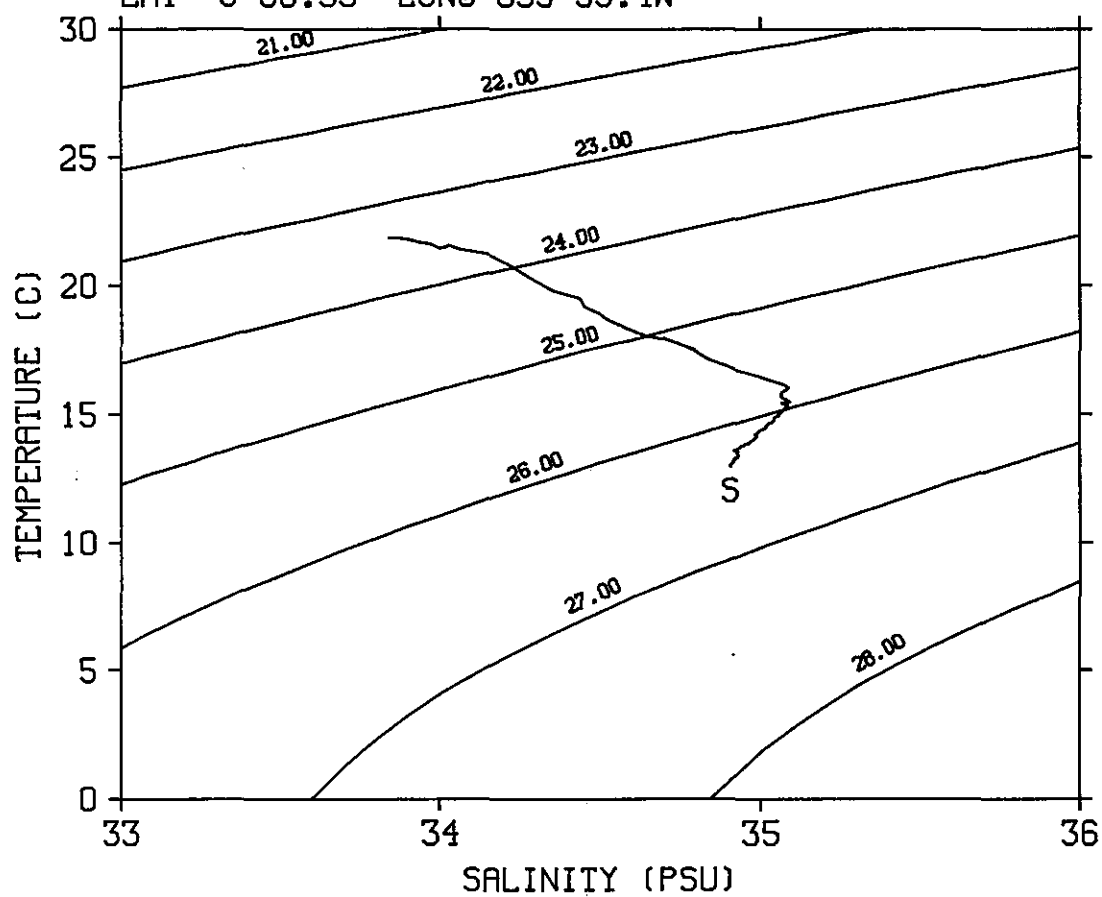




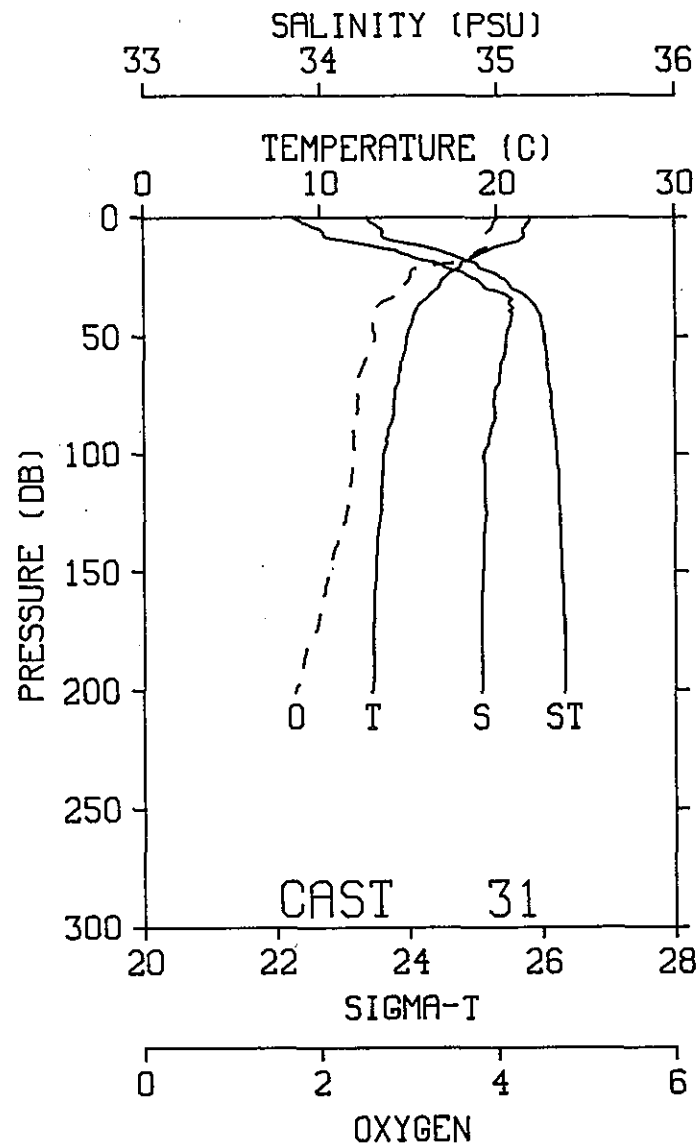
CAST EP4-84-RS-030 DATE 02 DEC 84 TIME 0501 GMT
 LAT 00 00.9N LONG 105 00.4W WEATHER 2 SEA STATE 4
 BAROMETER 12 WIND DIR 135 T SPD 10 KT VISIBILITY 9
 CLOUD 8 AMOUNT 9 DRY 21.5 WET 20.5 DEPTH 3475 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.196	34.741	4.02	24.245	0.000
10.	21.022	34.738	4.04	24.290	0.037
20.	20.065	34.745	3.99	24.551	0.072
30.	18.135	34.788	3.79	25.078	0.104
40.	16.299	34.889	3.52	25.594	0.130
50.	14.622	34.978	3.16	26.038	0.152
60.	14.323	34.950	2.88	26.081	0.171
70.	14.189	34.948	2.78	26.108	0.191
80.	14.018	34.939	2.69	26.137	0.210
90.	13.874	34.927	2.63	26.157	0.228
100.	13.786	34.914	2.56	26.166	0.247
110.	13.650	34.903	2.50	26.186	0.266
120.	13.517	34.897	2.44	26.208	0.284
130.	13.275	34.892	2.36	26.255	0.302
140.	13.146	34.891	2.29	26.280	0.320
150.	13.052	34.896	2.20	26.302	0.337
160.	13.043	34.898	2.16	26.306	0.355
170.	13.033	34.898	2.13	26.308	0.372
180.	13.019	34.901	2.11	26.313	0.390
190.	12.991	34.901	2.05	26.319	0.407
200.	12.869	34.905	1.95	26.346	0.425
250.	12.101	34.864	1.12	26.465	0.509
300.	11.412	34.815	0.51	26.557	0.588
350.	10.670	34.773	0.51	26.659	0.662
400.	9.692	34.717	0.50	26.783	0.731
450.	9.213	34.693	0.49	26.844	0.797
500.	8.384	34.647	0.59	26.939	0.859
550.	8.045	34.631	0.74	26.978	0.918
600.	7.633	34.614	0.73	27.025	0.975
650.	6.908	34.587	0.93	27.106	1.030
700.	6.409	34.566	1.15	27.157	1.081
750.	6.057	34.557	1.34	27.195	1.130
800.	5.642	34.552	1.39	27.244	1.176
850.	5.347	34.550	1.48	27.278	1.221
900.	5.075	34.547	1.58	27.307	1.264
950.	4.945	34.549	1.62	27.324	1.307
1000.	4.778	34.550	1.66	27.344	1.349
1500.	3.227	34.595	1.97	27.540	1.710
2000.	2.316	34.640	2.21	27.657	1.998
2500.	1.954	34.658	2.47	27.701	2.250
3000.	1.710	34.671	2.72	27.730	2.485
3281.	1.650	34.676	2.78	27.739	2.614

CAST EP4-84-RS-031 DATE 03 DEC 84 TIME 0819 GMT
LAT 0 00.3S LONG 099 59.4W

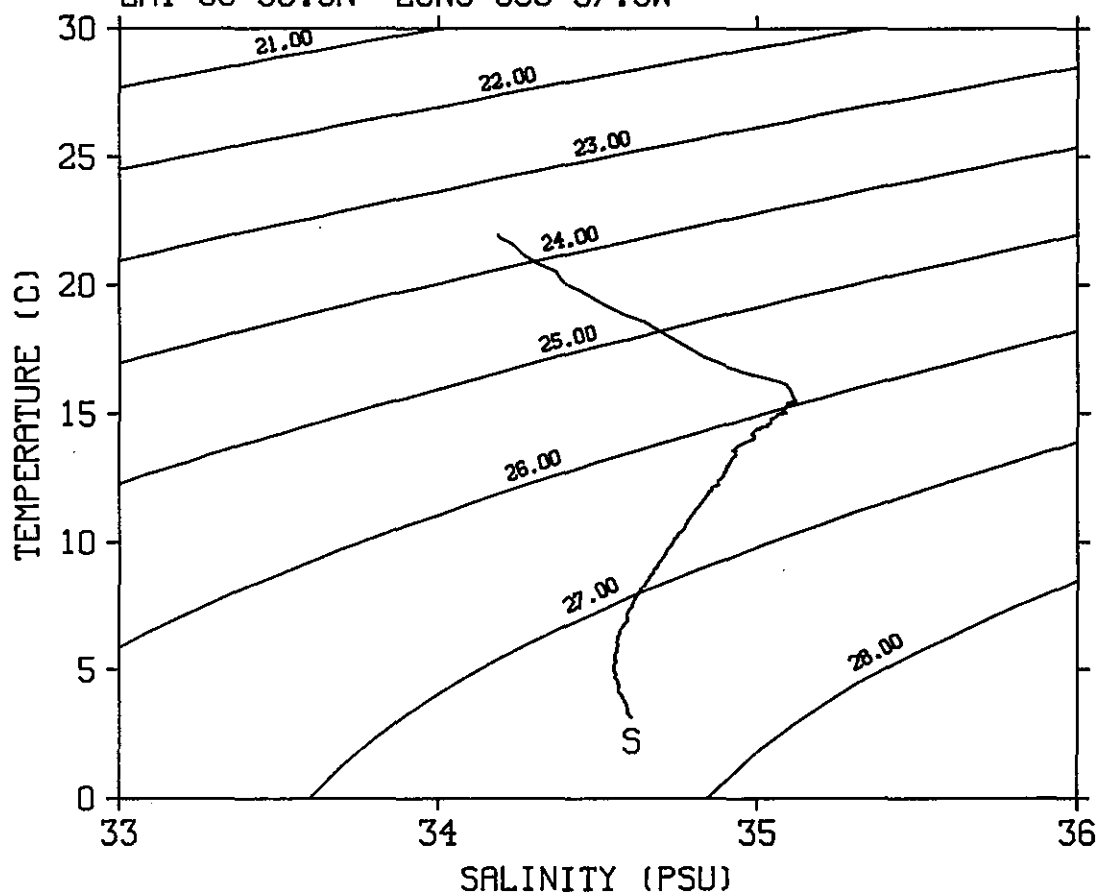


CAST EP4-84-RS-031 DATE 03 DEC 84 TIME 0819 GMT
 LAT 0 00.3S LONG 099 59.4W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 180 T SPD 14 KT VISIBILITY 7
 CLOUD 7 AMOUNT 6 DRY 21.4 WET 20.5 DEPTH 3212 M

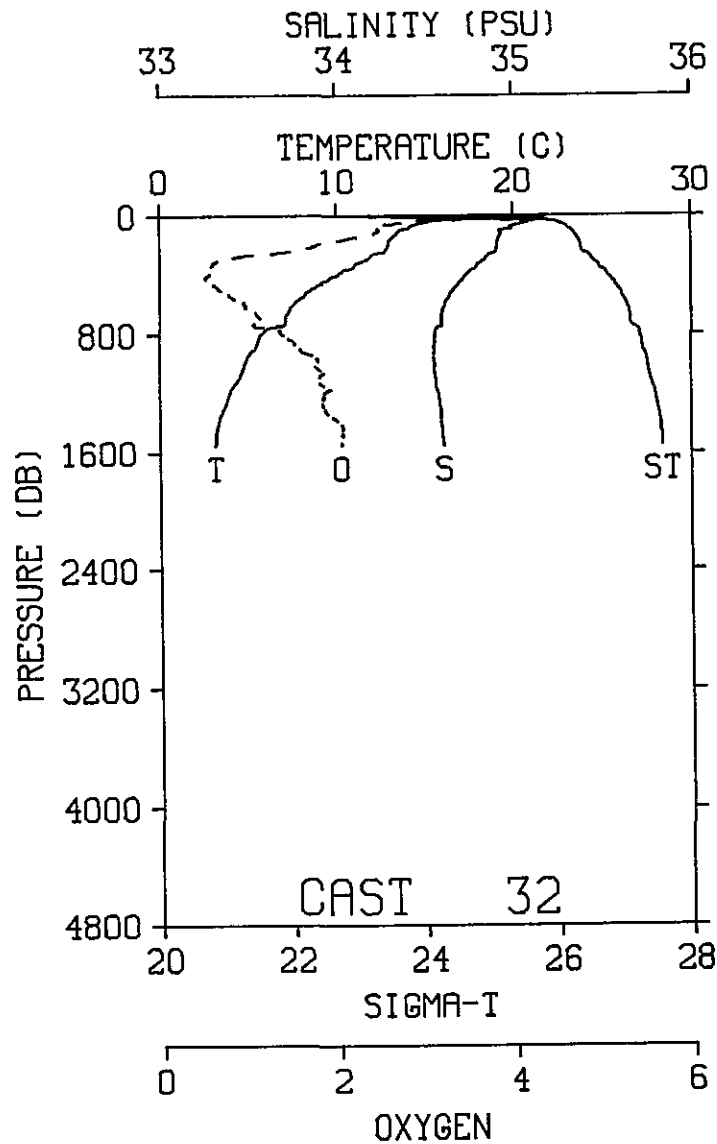


PRES (DB)	TEMP (C)	SAL (PSU)	OXV (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.856	33.841	4.01	23.379	0.000
10.	21.213	34.148	3.86	23.789	0.043
20.	17.929	34.687	3.25	25.051	0.077
30.	16.595	34.950	2.93	25.572	0.104
40.	15.343	35.083	2.59	25.960	0.125
50.	14.878	35.044	2.60	26.034	0.146
60.	14.626	35.025	2.52	26.074	0.165
70.	14.411	35.012	2.42	26.110	0.184
80.	14.165	34.983	2.41	26.139	0.203
90.	13.820	34.959	2.37	26.193	0.222
100.	13.554	34.920	2.39	26.219	0.240
110.	13.468	34.927	2.36	26.242	0.258
120.	13.430	34.927	2.31	26.250	0.276
130.	13.334	34.929	2.25	26.271	0.294
140.	13.225	34.917	2.16	26.284	0.312
150.	13.154	34.917	2.10	26.298	0.329
160.	13.041	34.909	2.03	26.315	0.347
170.	12.988	34.908	1.98	26.325	0.364
180.	12.934	34.906	1.85	26.334	0.382
190.	12.927	34.906	1.80	26.336	0.399
200.	12.918	34.906	1.72	26.337	0.416
201.	12.918	34.907	1.72	26.338	0.418

CAST EP4-84-RS-032 DATE 03 DEC 84 TIME 0947 GMT
LAT 00 00.3N LONG 099 57.5W

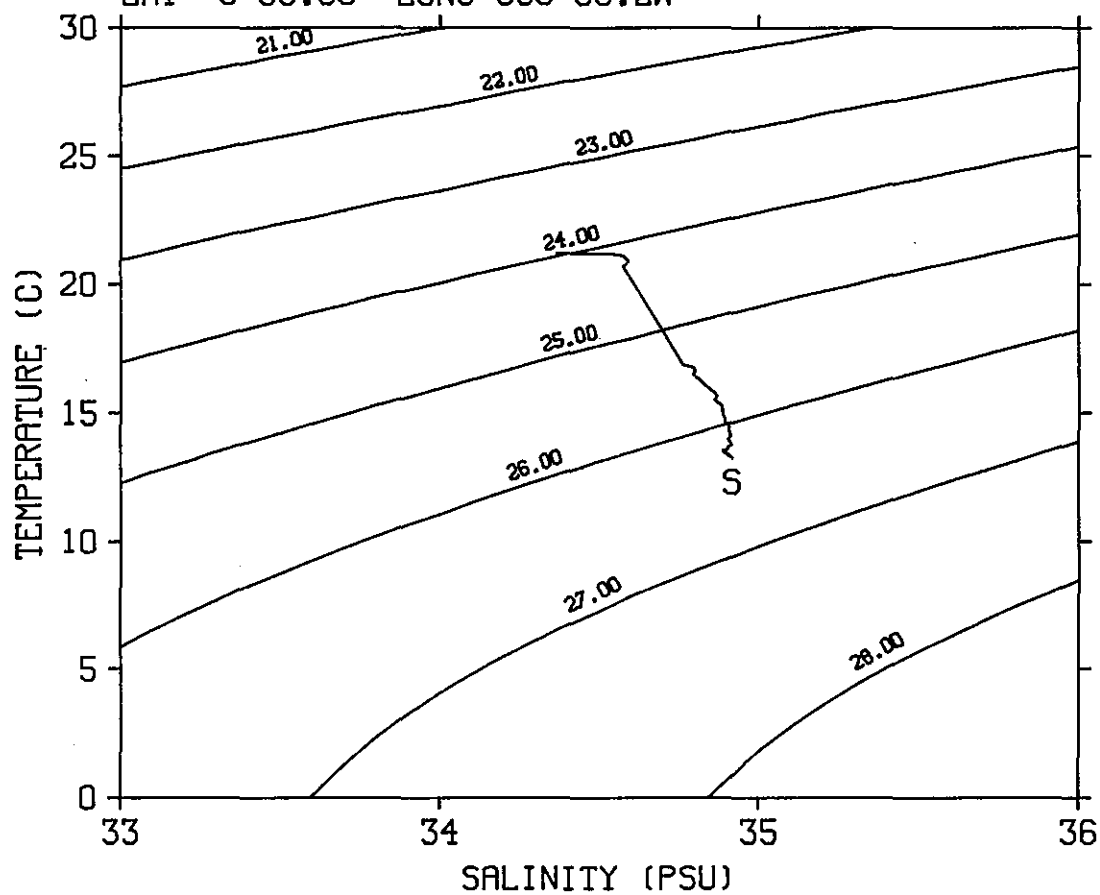


CAST EP4-84-RS-032 DATE 03 DEC 84 TIME 0947 GMT
 LAT 00 00.3N LONG 099 57.5W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 180 T SPD 14 KT VISIBILITY 7
 CLOUD 7 AMOUNT 6 DRY 21.4 WET 20.5 DEPTH 3212 M

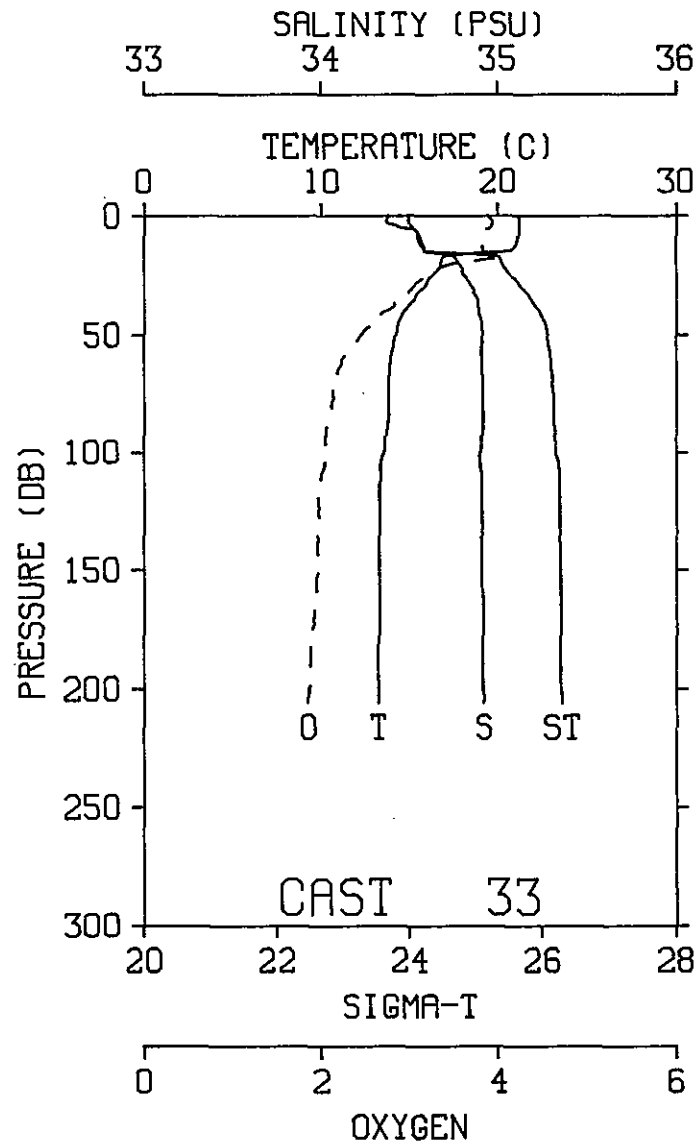


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.898	34.188	4.38	23.631	0.000
10.	21.095	34.267	4.28	23.912	0.042
20.	17.604	34.771	3.78	25.195	0.076
30.	16.372	35.021	3.30	25.679	0.101
40.	15.270	35.085	2.82	25.978	0.122
50.	15.021	35.085	2.78	26.033	0.142
60.	14.613	35.038	2.64	26.086	0.162
70.	14.376	35.010	2.52	26.116	0.181
80.	14.152	34.980	2.54	26.140	0.200
90.	14.082	34.988	2.48	26.162	0.219
100.	13.711	34.942	2.48	26.203	0.237
110.	13.533	34.930	2.46	26.231	0.256
120.	13.447	34.928	2.45	26.247	0.274
130.	13.395	34.933	2.40	26.262	0.292
140.	13.248	34.922	2.28	26.283	0.309
150.	13.197	34.920	2.21	26.292	0.327
160.	13.110	34.916	2.14	26.306	0.344
170.	13.037	34.912	2.06	26.318	0.362
180.	12.945	34.910	2.00	26.335	0.379
190.	12.937	34.908	1.85	26.335	0.396
200.	12.929	34.908	1.80	26.337	0.414
250.	12.673	34.897	1.42	26.379	0.500
300.	11.671	34.835	0.72	26.524	0.580
350.	10.991	34.793	0.58	26.616	0.656
400.	10.053	34.738	0.55	26.738	0.728
450.	9.184	34.692	0.59	26.848	0.794
500.	8.562	34.659	0.66	26.920	0.857
550.	8.159	34.637	0.80	26.966	0.916
600.	7.599	34.611	0.95	27.028	0.973
650.	7.277	34.597	1.07	27.063	1.028
700.	7.113	34.593	1.13	27.083	1.083
750.	6.551	34.570	1.09	27.141	1.136
800.	5.790	34.560	1.38	27.231	1.184
850.	5.549	34.555	1.50	27.258	1.230
900.	5.419	34.553	1.59	27.271	1.275
950.	4.992	34.549	1.73	27.318	1.319
1000.	4.818	34.555	1.80	27.343	1.361
1500.	3.170	34.599	2.06	27.549	1.718
1555.	3.125	34.604	2.05	27.558	1.752

CAST EP4-84-RS-033 DATE 04 DEC 84 TIME 1100 GMT
LAT 0 00.5S LONG 095 00.2W

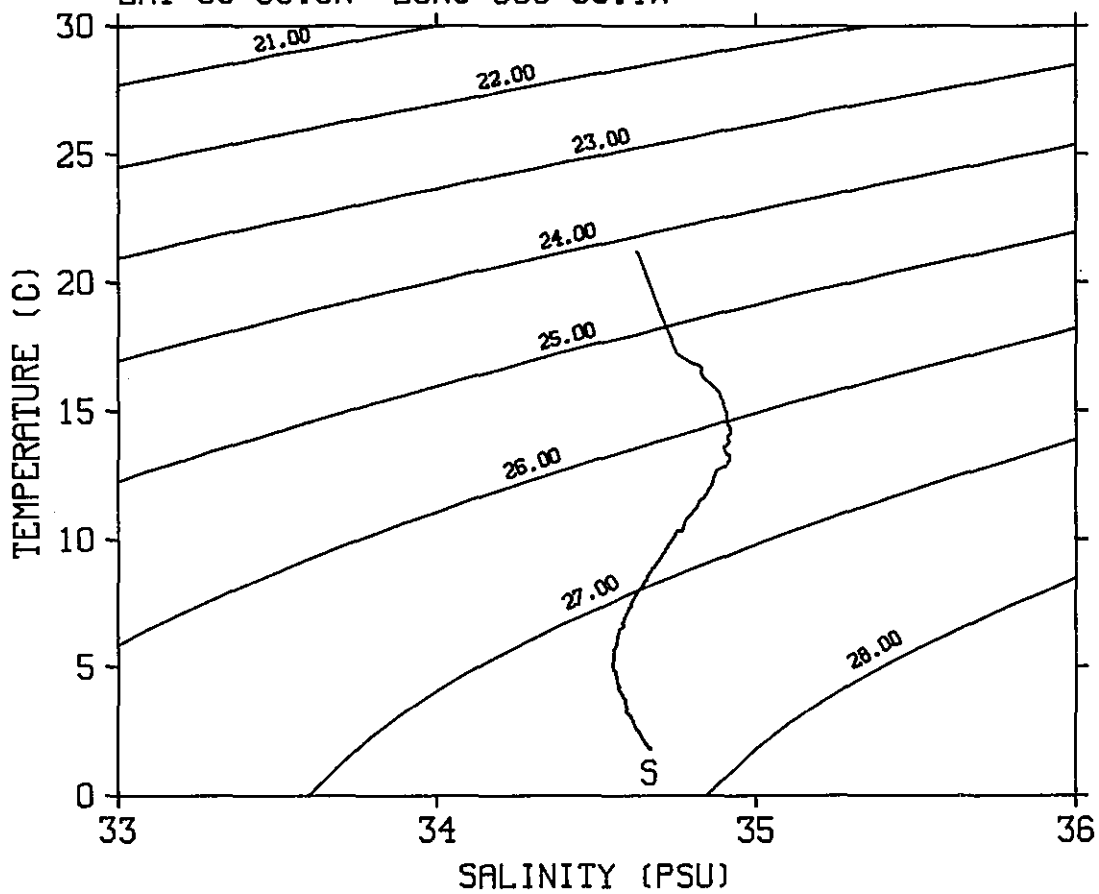


CAST EP4-84-RS-033 DATE 04 DEC 84 TIME 1100 GMT
 LAT 0 00.55 LONG 095 00.2W WEATHER 2 SEA STATE 2
 BAROMETER 11 WIND DIR 160 T SPD 07 KT VISIBILITY 6
 CLOUD 4 AMOUNT 6 DRY 21.0 WET 20.9 DEPTH 3249 M

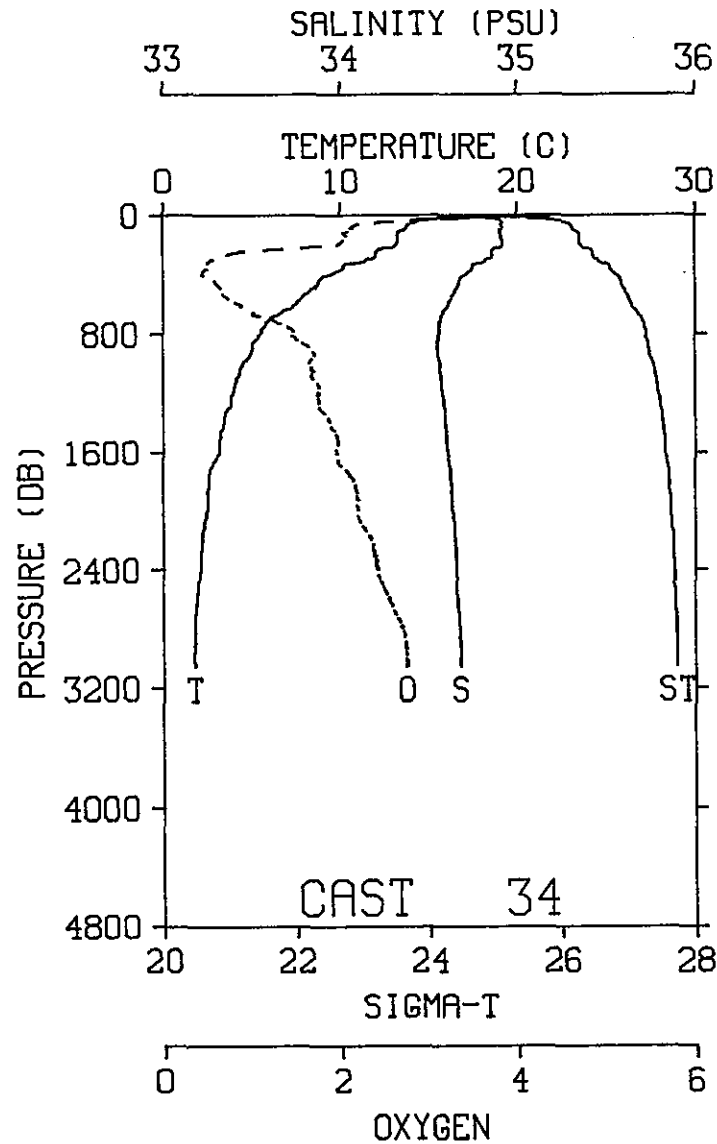


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.162	34.379	3.88	23.978	0.000
10.	21.107	34.567	3.82	24.137	0.039
20.	16.777	34.780	3.50	25.399	0.071
30.	15.761	34.860	3.02	25.695	0.096
40.	14.670	34.893	2.71	25.962	0.117
50.	14.197	34.910	2.45	26.077	0.137
60.	13.935	34.905	2.25	26.128	0.156
70.	13.819	34.911	2.17	26.157	0.175
80.	13.773	34.911	2.10	26.167	0.194
90.	13.722	34.912	2.06	26.178	0.212
100.	13.563	34.903	2.03	26.204	0.230
110.	13.328	34.905	2.00	26.254	0.248
120.	13.287	34.904	1.96	26.262	0.266
130.	13.275	34.905	1.95	26.264	0.284
140.	13.272	34.907	1.95	26.267	0.302
150.	13.271	34.908	1.94	26.268	0.320
160.	13.269	34.910	1.94	26.269	0.338
170.	13.251	34.913	1.90	26.275	0.355
180.	13.247	34.914	1.89	26.277	0.373
190.	13.245	34.915	1.87	26.278	0.391
200.	13.222	34.914	1.85	26.282	0.409
206.	13.213	34.915	1.85	26.285	0.419

CAST EP4-84-RS-034 DATE 04 DEC 84 TIME 1240 GMT
LAT 00 00.8N LONG 095 00.1W

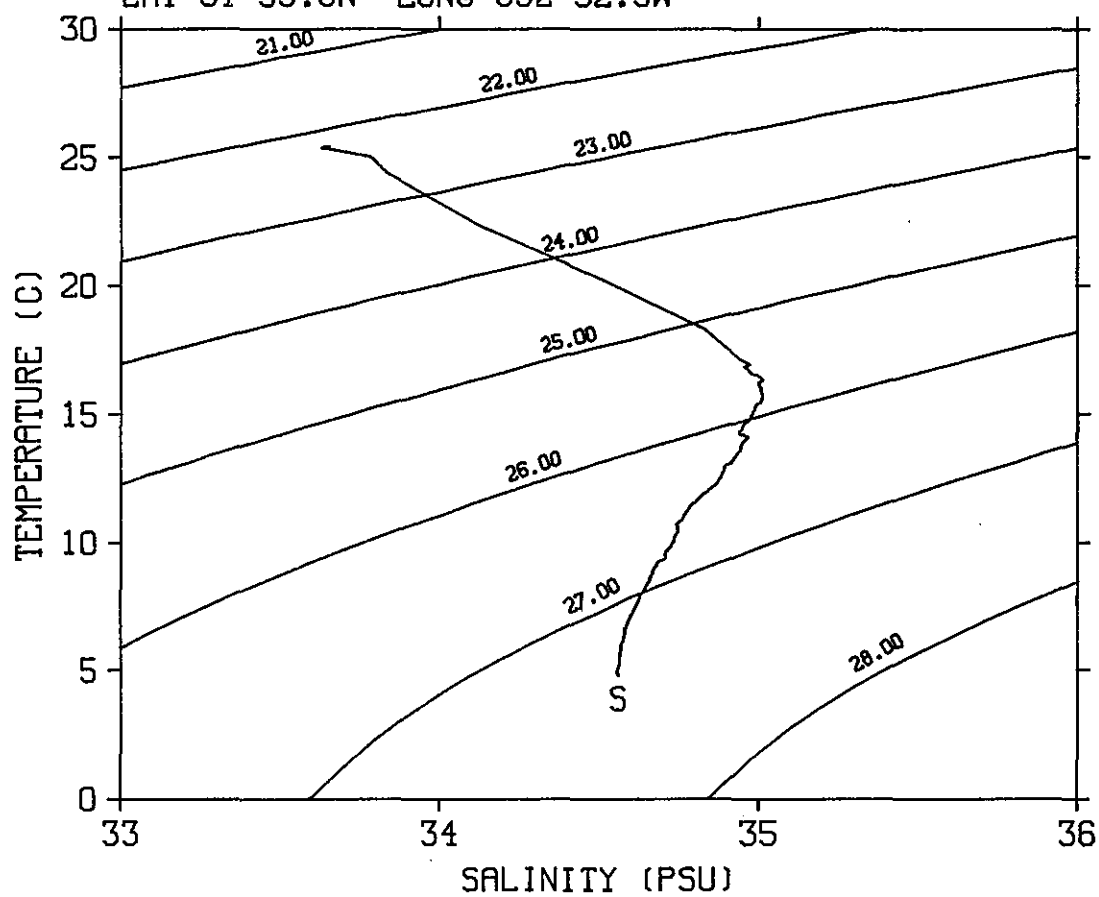


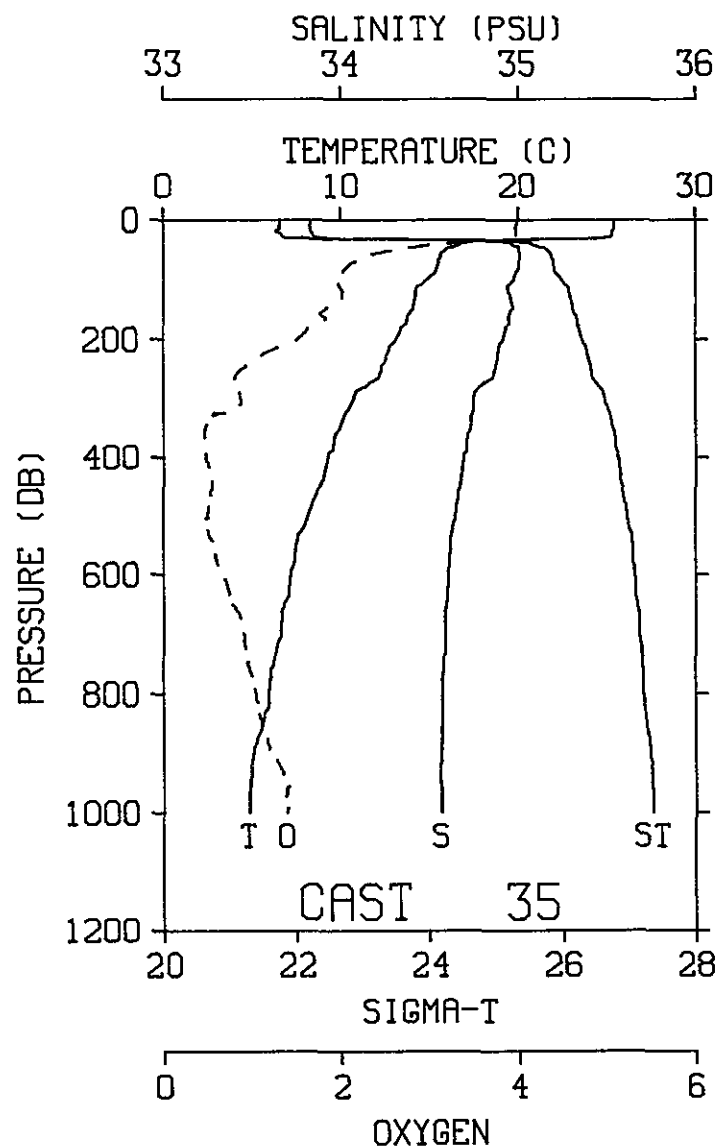
CAST EP4-84-RS-034 DATE 04 DEC 84 TIME 1240 GMT
 LAT 00 00.8N LONG 095 00.1W WEATHER 2 SEA STATE 2
 BAROMETER 11 WIND DIR 170 T SPD 08 KT VISIBILITY 6
 CLOUD 4 AMOUNT 3 DRY 21.5 WET 20.9 DEPTH 3249 M



PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.190	34.627	4.28	24.160	0.000
10.	20.783	34.639	4.26	24.279	0.037
20.	16.245	34.839	3.44	25.568	0.064
30.	15.307	34.896	3.00	25.825	0.087
40.	14.551	34.912	2.70	26.003	0.107
50.	14.305	34.919	2.47	26.061	0.127
60.	13.954	34.912	2.24	26.130	0.146
70.	13.835	34.915	2.17	26.157	0.165
80.	13.781	34.914	2.14	26.167	0.184
90.	13.770	34.917	2.11	26.172	0.202
100.	13.619	34.909	2.11	26.197	0.221
110.	13.353	34.905	2.12	26.249	0.239
120.	13.287	34.908	2.04	26.265	0.257
130.	13.273	34.908	2.06	26.267	0.275
140.	13.270	34.910	2.06	26.269	0.293
150.	13.270	34.911	2.07	26.270	0.310
160.	13.265	34.913	2.07	26.272	0.328
170.	13.250	34.915	2.04	26.277	0.346
180.	13.245	34.916	2.01	26.279	0.364
190.	13.240	34.917	2.01	26.281	0.382
200.	13.215	34.919	1.98	26.287	0.399
250.	12.055	34.860	0.84	26.470	0.484
300.	11.486	34.827	0.56	26.552	0.564
350.	10.203	34.748	0.50	26.721	0.637
400.	9.427	34.709	0.44	26.821	0.704
450.	8.784	34.671	0.59	26.895	0.767
500.	8.323	34.648	0.64	26.948	0.828
550.	7.865	34.627	0.71	27.002	0.886
600.	7.464	34.609	0.85	27.046	0.942
650.	6.727	34.584	0.99	27.128	0.996
700.	6.014	34.563	1.20	27.205	1.045
750.	5.685	34.554	1.38	27.240	1.092
800.	5.504	34.558	1.48	27.265	1.137
850.	5.217	34.553	1.53	27.295	1.181
900.	5.051	34.549	1.66	27.312	1.224
950.	4.920	34.551	1.72	27.328	1.266
1000.	4.522	34.562	1.66	27.382	1.307
1500.	3.204	34.598	1.95	27.545	1.660
2000.	2.469	34.633	2.19	27.639	1.951
2500.	1.995	34.656	2.48	27.696	2.209
3000.	1.741	34.674	2.75	27.730	2.444
3054.	1.746	34.672	2.74	27.729	2.470

CAST EP4-84-RS-035 DATE 05 DEC 84 TIME 0716 GMT
LAT 01 59.6N LONG 092 32.9W

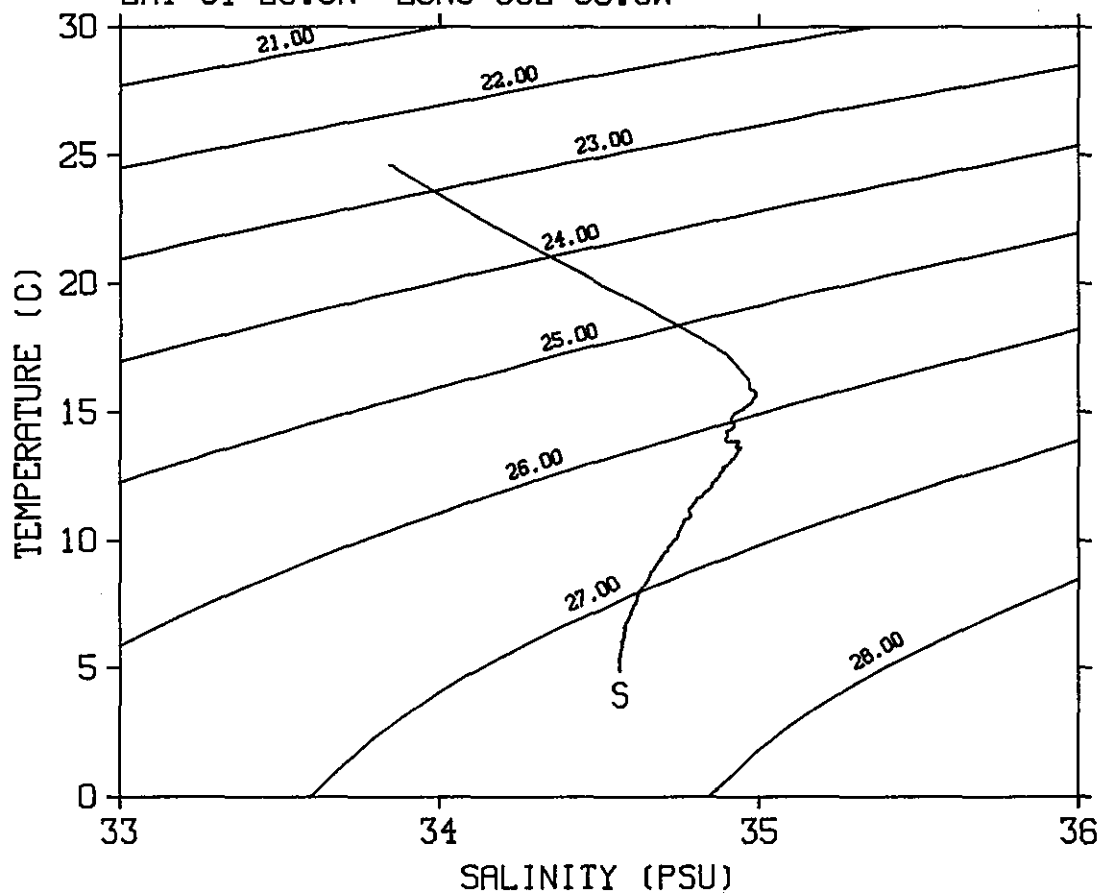




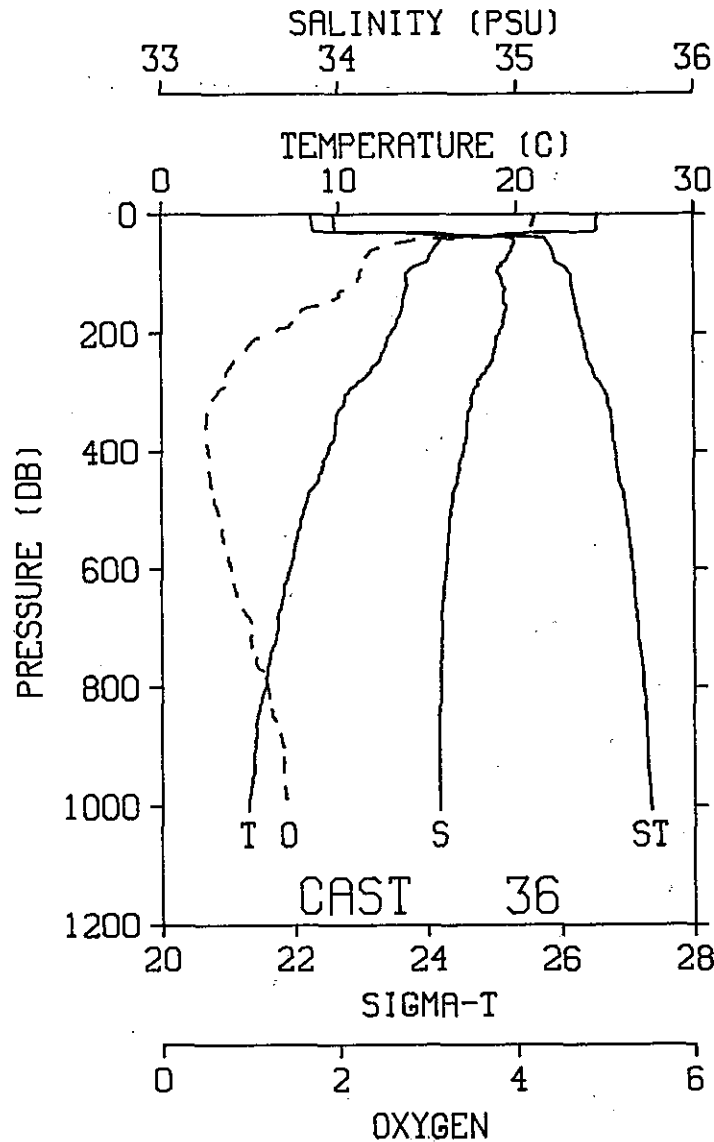
CAST EP4-84-RS-035 DATE 05 DEC 84 TIME 0716 GMT
 LAT 01 59.6N LONG 092 32.9W WEATHER 2 SEA STATE 0
 BAROMETER 11 WIND DIR 200 T SPD 05 KT VISIBILITY 6
 CLOUD 6 AMOUNT 8 DRY 23.0 WET 21.8 DEPTH 2222 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.433	33.658	3.99	22.198	0.000
10.	25.413	33.652	3.98	22.199	0.056
20.	25.304	33.644	3.98	22.226	0.112
30.	25.017	33.786	3.99	22.420	0.168
40.	16.735	34.963	3.14	25.550	0.202
50.	15.898	35.005	2.62	25.776	0.225
60.	15.640	35.010	2.31	25.838	0.247
70.	15.517	35.006	2.15	25.863	0.268
80.	15.412	35.002	2.06	25.883	0.290
90.	15.242	34.985	2.02	25.908	0.311
100.	14.802	34.974	1.96	25.996	0.332
110.	14.365	34.945	1.98	26.068	0.352
120.	14.194	34.944	2.02	26.104	0.371
130.	14.187	34.957	2.01	26.115	0.391
140.	14.097	34.965	1.91	26.140	0.410
150.	14.014	34.962	1.81	26.156	0.429
160.	13.741	34.947	1.78	26.201	0.447
170.	13.669	34.947	1.77	26.216	0.466
180.	13.447	34.934	1.63	26.252	0.484
190.	13.304	34.926	1.59	26.275	0.502
200.	13.152	34.918	1.51	26.300	0.520
250.	12.281	34.869	0.88	26.434	0.605
300.	10.708	34.745	0.87	26.630	0.683
350.	9.908	34.729	0.47	26.757	0.753
400.	9.233	34.690	0.48	26.838	0.819
450.	8.786	34.669	0.53	26.894	0.882
500.	8.111	34.642	0.49	26.976	0.942
550.	7.428	34.614	0.55	27.055	0.998
600.	7.161	34.603	0.67	27.083	1.051
650.	6.761	34.587	0.78	27.127	1.104
700.	6.573	34.584	0.90	27.149	1.154
750.	6.166	34.578	0.95	27.198	1.203
800.	5.927	34.572	1.03	27.224	1.251
850.	5.532	34.567	1.12	27.269	1.297
900.	5.030	34.562	1.23	27.324	1.340
950.	4.858	34.559	1.38	27.343	1.382
1000.	4.774	34.563	1.38	27.355	1.423

CAST EP4-84-RS-036 DATE 05 DEC 84 TIME 1050 GMT
LAT 01 29.9N LONG 092 30.6W

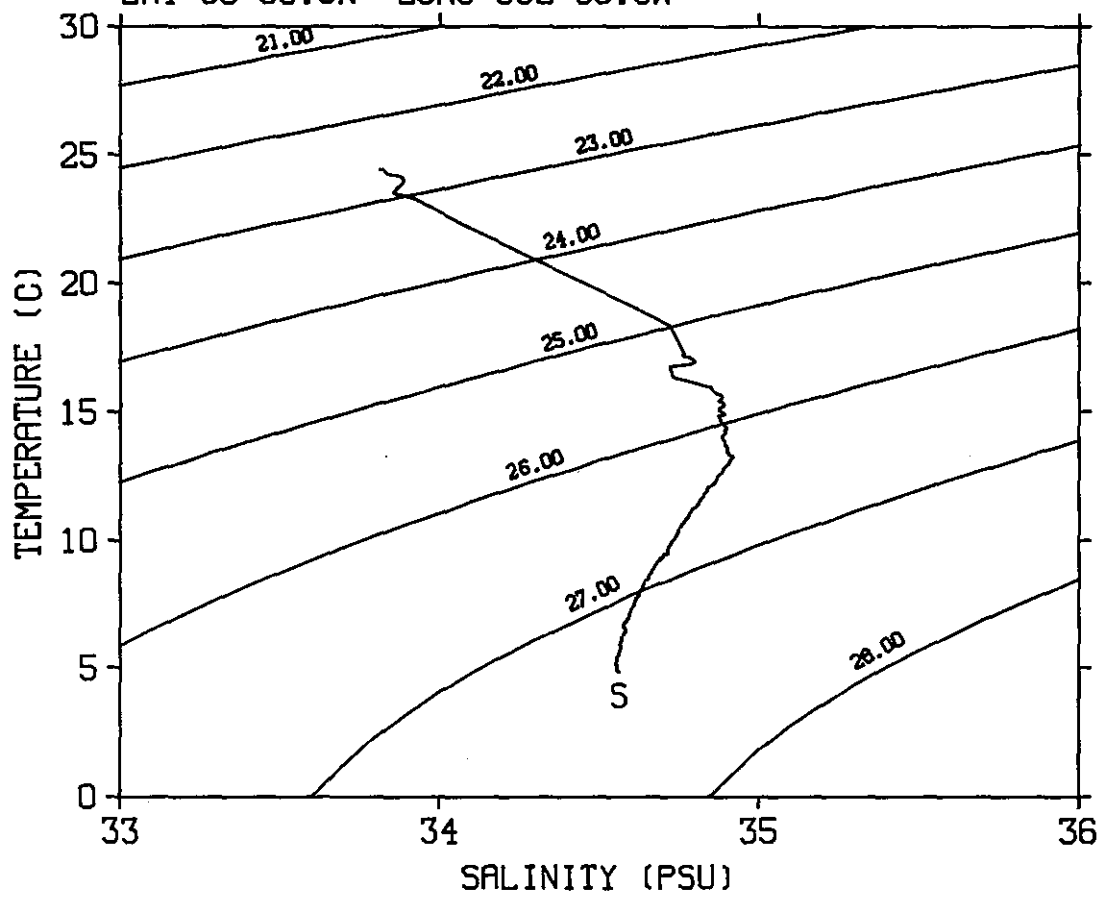


CAST EP4-84-RS-036 DATE 05 DEC 84 TIME 1050 GMT
 LAT 01 29.9N LONG 092 30.6W WEATHER 5 SEA STATE 3
 BAROMETER 10 WIND DIR 205 T SPD 06 KT VISIBILITY 6
 CLOUD X AMOUNT 0 DRY 22.9 WET 22.1 DEPTH 2367 M

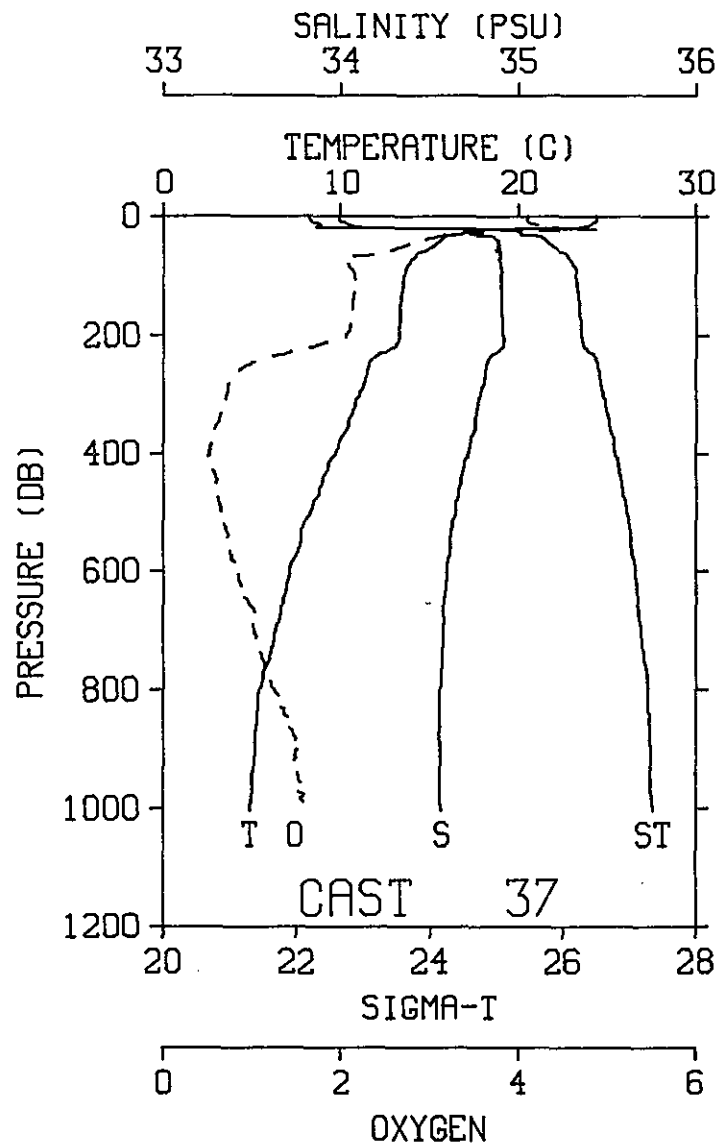


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.588	33.843	4.18	22.592	0.000
10.	24.575	33.850	4.19	22.602	0.052
20.	24.565	33.853	4.17	22.607	0.105
30.	24.460	33.860	4.19	22.644	0.157
40.	15.878	34.971	3.45	25.754	0.191
50.	15.620	34.990	2.61	25.827	0.213
60.	15.368	34.978	2.41	25.874	0.235
70.	15.142	34.955	2.31	25.907	0.256
80.	14.999	34.936	2.29	25.924	0.277
90.	14.220	34.896	2.28	26.061	0.297
100.	13.806	34.906	2.23	26.156	0.317
110.	13.815	34.918	2.20	26.163	0.335
120.	13.827	34.923	2.17	26.165	0.354
130.	13.759	34.932	2.01	26.186	0.373
140.	13.655	34.930	1.99	26.206	0.391
150.	13.588	34.932	1.87	26.222	0.410
160.	13.547	34.942	1.62	26.237	0.428
170.	13.453	34.932	1.55	26.249	0.446
180.	13.271	34.925	1.47	26.281	0.464
190.	13.173	34.920	1.44	26.296	0.481
200.	12.957	34.903	1.20	26.327	0.499
250.	12.230	34.859	0.81	26.436	0.584
300.	10.560	34.758	0.63	26.666	0.661
350.	9.830	34.723	0.50	26.765	0.729
400.	9.383	34.697	0.51	26.819	0.796
450.	8.848	34.669	0.54	26.884	0.859
500.	8.030	34.630	0.63	26.979	0.918
550.	7.576	34.617	0.69	27.035	0.975
600.	7.188	34.600	0.77	27.078	1.029
650.	6.847	34.590	0.85	27.117	1.081
700.	6.532	34.583	0.99	27.154	1.132
750.	6.069	34.574	1.05	27.208	1.181
800.	5.829	34.570	1.17	27.234	1.228
850.	5.393	34.563	1.25	27.283	1.273
900.	5.255	34.563	1.36	27.299	1.317
950.	5.109	34.564	1.37	27.317	1.360
1000.	4.861	34.564	1.40	27.346	1.402
1009.	4.848	34.565	1.42	27.348	1.409

CASI EP4-84-RS-037 DATE 05 DEC 84 TIME 1432 GMT
LAT 00 59.8N LONG 092 30.6W

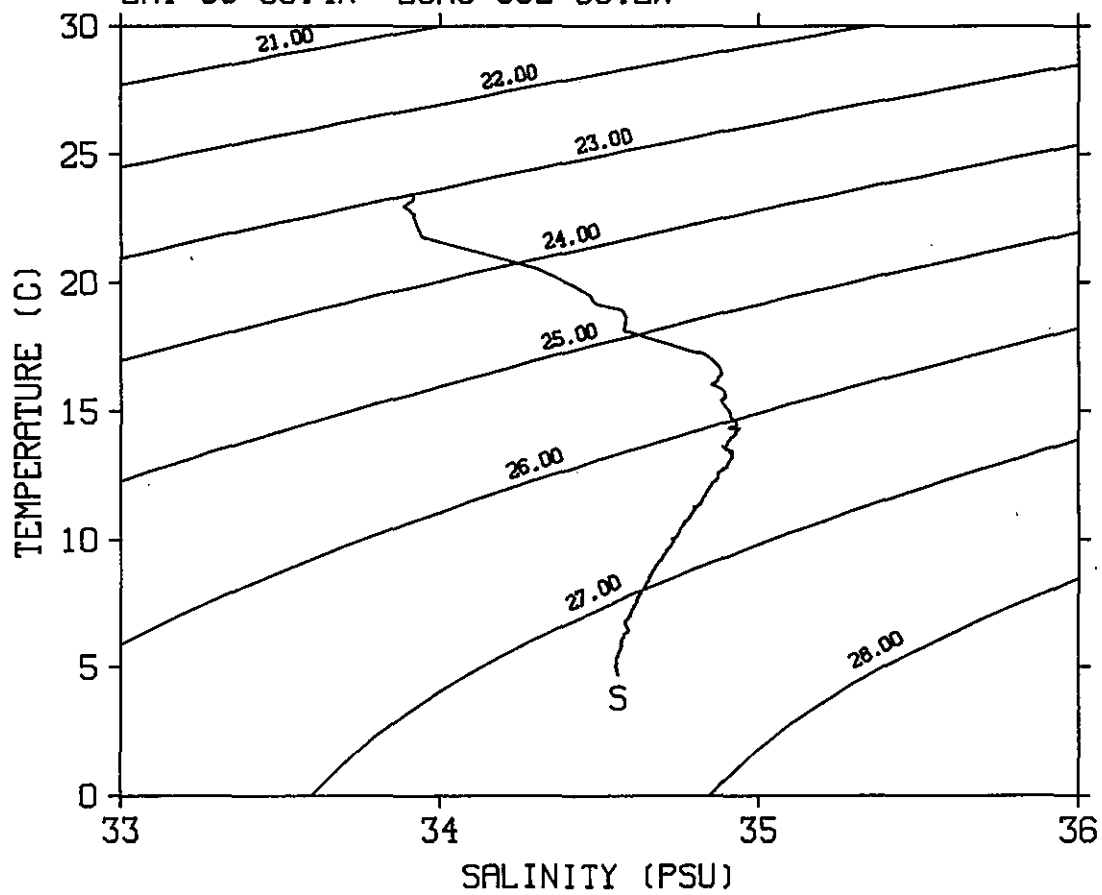


CAST EP4-84-RS-037 DATE 05 DEC 84 TIME 1432 GMT
 LAT 00 59.8N LONG 092 30.6W WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 210 T SPD 12 KT VISIBILITY 9
 CLOUD 7 AMOUNT 8 DRY 23.0 WET 21.2 DEPTH 2560 M

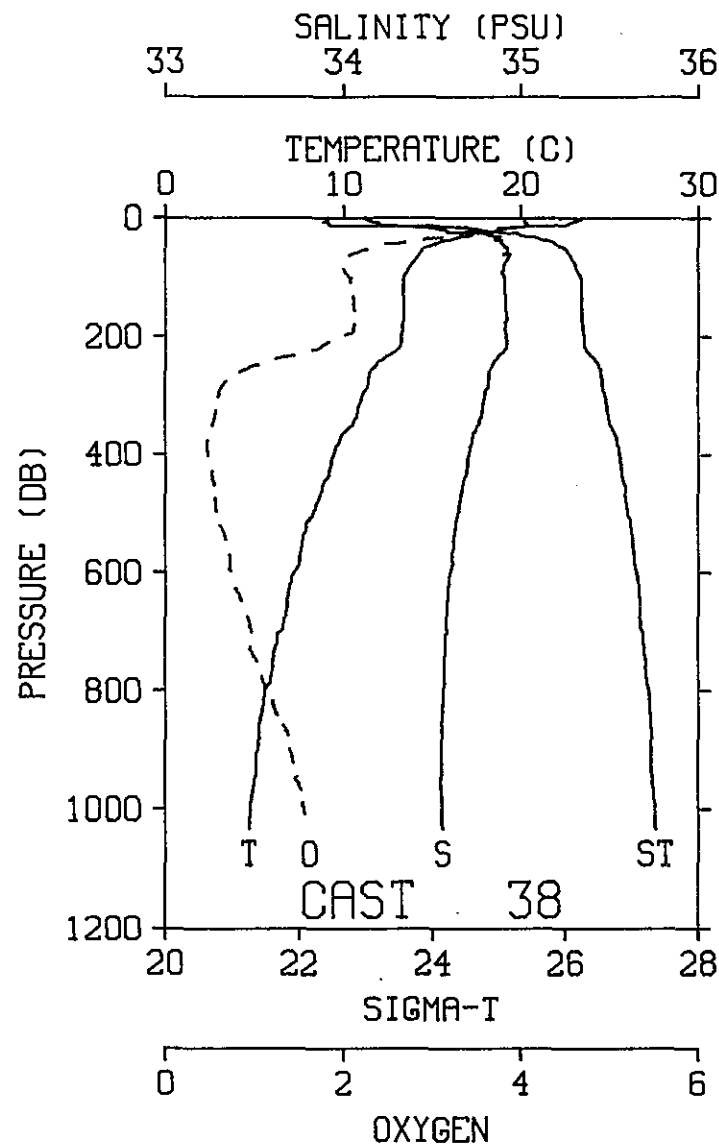


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.392	33.812	4.11	22.628	0.000
10.	24.207	33.839	4.12	22.703	0.052
20.	22.156	34.089	4.48	23.483	0.102
30.	16.818	34.790	3.23	25.397	0.129
40.	15.651	34.879	2.91	25.735	0.153
50.	15.240	34.892	2.72	25.836	0.175
60.	14.561	34.886	2.48	25.980	0.196
70.	14.149	34.898	2.10	26.077	0.216
80.	13.846	34.894	2.08	26.138	0.235
90.	13.614	34.901	2.12	26.191	0.254
100.	13.560	34.901	2.15	26.203	0.272
110.	13.532	34.901	2.15	26.209	0.290
120.	13.485	34.902	2.14	26.219	0.309
130.	13.422	34.903	2.15	26.233	0.327
140.	13.387	34.903	2.13	26.240	0.345
150.	13.349	34.903	2.13	26.248	0.363
160.	13.349	34.905	2.13	26.249	0.381
170.	13.312	34.907	2.12	26.258	0.399
180.	13.291	34.907	2.10	26.262	0.417
190.	13.281	34.910	2.09	26.267	0.435
200.	13.278	34.912	2.05	26.269	0.453
250.	11.534	34.819	0.96	26.537	0.537
300.	11.010	34.783	0.71	26.605	0.613
350.	10.362	34.750	0.60	26.695	0.686
400.	9.673	34.718	0.52	26.788	0.754
450.	8.927	34.672	0.58	26.873	0.819
500.	8.221	34.640	0.65	26.958	0.879
550.	7.712	34.618	0.75	27.017	0.936
600.	7.057	34.594	0.82	27.091	0.991
650.	6.707	34.577	0.95	27.126	1.043
700.	6.293	34.574	1.03	27.178	1.093
750.	5.944	34.568	1.12	27.218	1.141
800.	5.391	34.557	1.25	27.278	1.186
850.	5.228	34.554	1.39	27.295	1.229
900.	5.090	34.557	1.49	27.314	1.272
950.	4.982	34.554	1.50	27.324	1.315
1000.	4.839	34.563	1.56	27.347	1.357
1005.	4.828	34.564	1.47	27.349	1.361

CAST EP4-84-RS-038 DATE 05 DEC 84 TIME 1833 GMT
LAT 00 30.4N LONG 092 30.2W

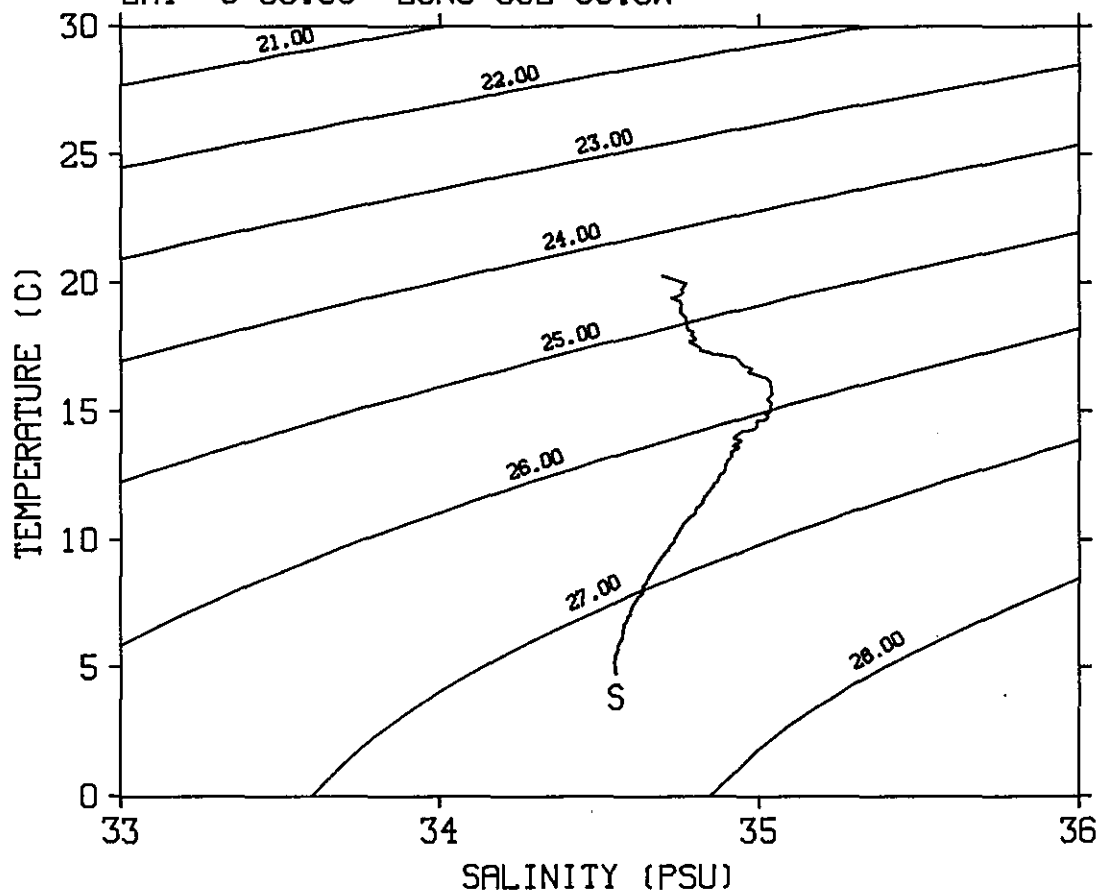


CAST EP4-B4-RS-038 DATE 05 DEC 84 TIME 1833 GMT
 LAT 00 30.4N LONG 092 30.2W WEATHER 2 SEA STATE 2
 BAROMETER 10 WIND DIR 163 T SPD 13 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 22.6 WET 20.5 DEPTH 2437 M

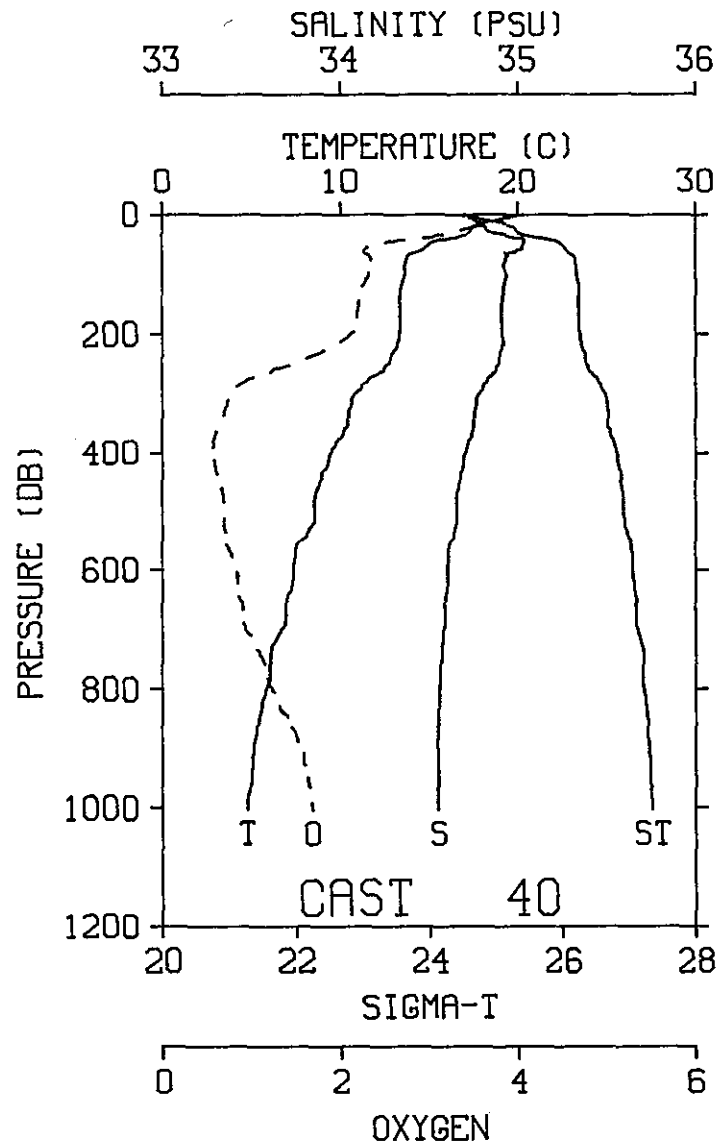


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	23.406	33.914	4.04	22.995	0.000
10.	22.645	33.916	4.06	23.214	0.048
20.	18.866	34.574	3.52	24.731	0.086
30.	17.172	34.831	3.13	25.344	0.115
40.	15.472	34.889	2.86	25.783	0.139
50.	14.710	34.907	2.34	25.965	0.160
60.	14.368	34.924	2.12	26.051	0.180
70.	14.095	34.928	2.03	26.112	0.199
80.	13.810	34.907	2.00	26.156	0.218
90.	13.631	34.902	2.02	26.189	0.237
100.	13.418	34.908	2.07	26.237	0.255
110.	13.398	34.910	2.08	26.244	0.273
120.	13.392	34.912	2.09	26.246	0.291
130.	13.387	34.915	2.11	26.249	0.309
140.	13.392	34.917	2.12	26.249	0.327
150.	13.398	34.917	2.12	26.249	0.345
160.	13.402	34.919	2.12	26.249	0.363
170.	13.391	34.922	2.13	26.254	0.381
180.	13.314	34.913	2.12	26.263	0.399
190.	13.307	34.912	2.11	26.263	0.417
200.	13.249	34.916	2.00	26.278	0.435
250.	11.833	34.838	1.01	26.496	0.521
300.	11.096	34.798	0.60	26.601	0.597
350.	10.533	34.764	0.52	26.676	0.671
400.	9.427	34.705	0.48	26.818	0.738
450.	8.848	34.672	0.53	26.886	0.802
500.	8.303	34.648	0.57	26.952	0.863
550.	7.683	34.620	0.69	27.023	0.920
600.	7.208	34.602	0.73	27.076	0.975
650.	6.811	34.584	0.85	27.117	1.027
700.	6.477	34.591	0.97	27.168	1.078
750.	6.031	34.569	1.02	27.209	1.127
800.	5.552	34.560	1.13	27.261	1.173
850.	5.302	34.553	1.26	27.285	1.218
900.	5.196	34.553	1.40	27.298	1.262
950.	5.004	34.549	1.46	27.318	1.305
1000.	4.763	34.554	1.56	27.349	1.347
1035.	4.688	34.559	1.61	27.361	1.375

CAST EP4-84-RS-040 DATE 06 DEC 84 TIME 0212 GMT
LAT 0 30.3S LONG 092 30.9W

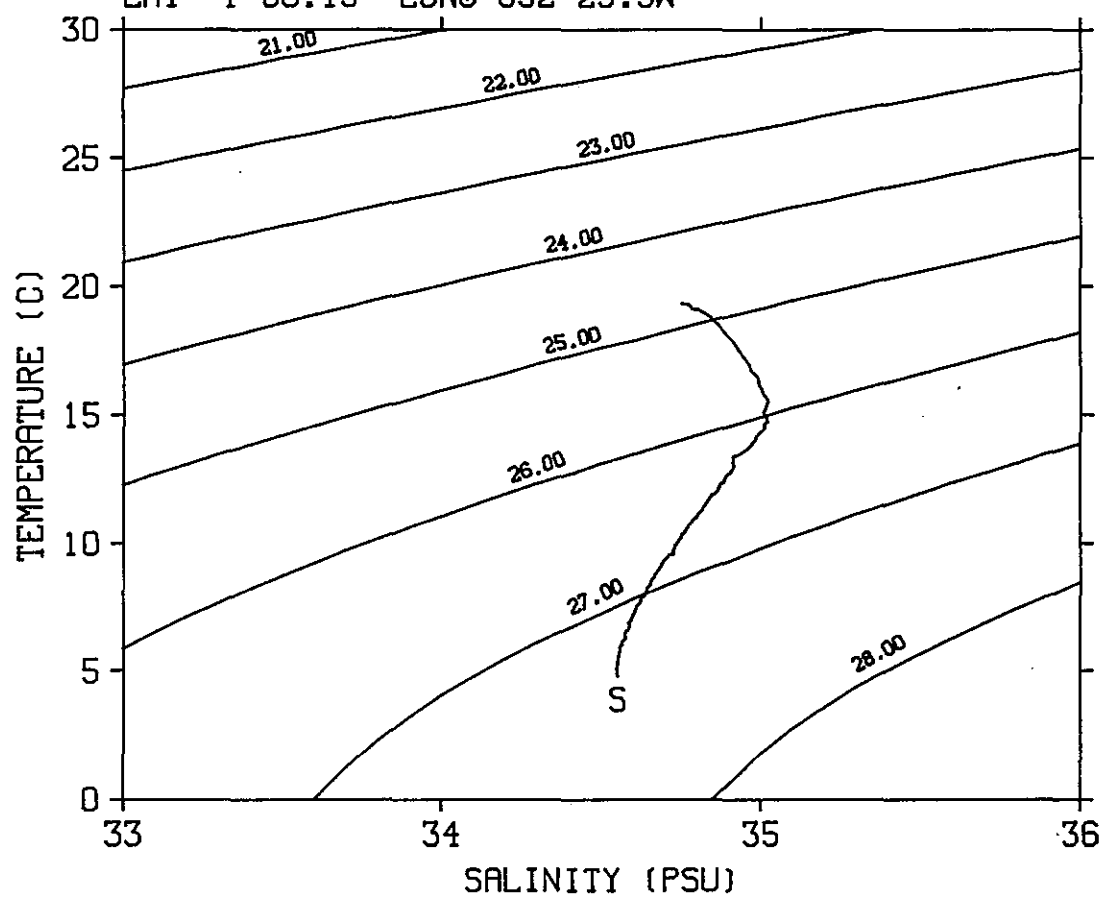


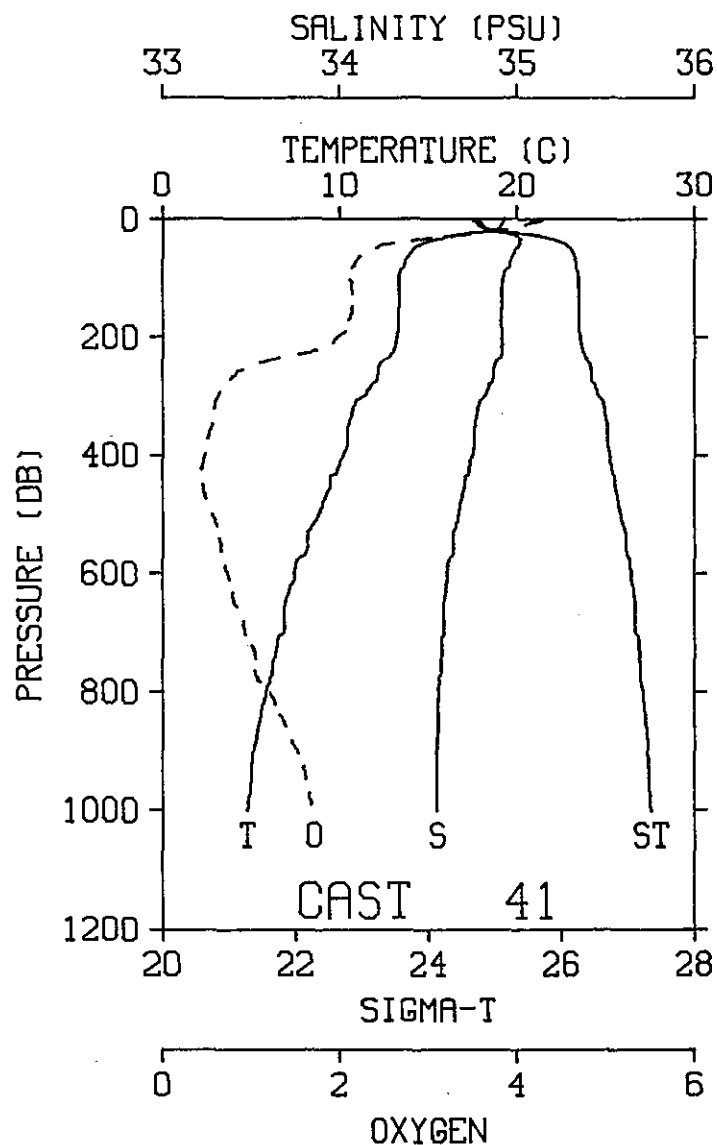
CAST EP4-84-RS-040 DATE 06 DEC 84 TIME 0212 GMT
 LAT 0 30.3S LONG 092 30.9W WEATHER 0 SEA STATE 2
 BAROMETER 11 WIND DIR 190 T SPD 07 KT VISIBILITY 7
 CLOUD X AMOUNT 0 DRY 21.0 WET 20.0 DEPTH 3046 M



PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	20.263	34.697	3.94	24.463	0.000
10.	18.821	34.750	3.80	24.877	0.032
20.	17.433	34.816	3.54	25.270	0.061
30.	17.267	34.841	3.29	25.330	0.088
40.	16.284	35.021	2.94	25.699	0.113
50.	15.044	35.037	2.42	25.991	0.134
60.	14.582	34.993	2.27	26.058	0.154
70.	13.809	34.939	2.33	26.181	0.173
80.	13.715	34.928	2.36	26.192	0.191
90.	13.598	34.918	2.34	26.208	0.210
100.	13.623	34.933	2.32	26.215	0.228
110.	13.531	34.930	2.28	26.232	0.246
120.	13.418	34.918	2.25	26.245	0.264
130.	13.382	34.913	2.24	26.249	0.282
140.	13.380	34.913	2.23	26.249	0.300
150.	13.373	34.912	2.21	26.249	0.318
160.	13.368	34.910	2.20	26.250	0.336
170.	13.360	34.910	2.18	26.251	0.354
180.	13.359	34.909	2.18	26.251	0.372
190.	13.356	34.910	2.16	26.252	0.390
200.	13.329	34.911	2.11	26.258	0.408
250.	12.718	34.895	1.47	26.368	0.496
300.	10.832	34.781	0.76	26.636	0.575
350.	10.387	34.751	0.64	26.691	0.647
400.	9.445	34.703	0.56	26.813	0.715
450.	8.860	34.669	0.64	26.882	0.779
500.	8.522	34.653	0.68	26.922	0.840
550.	7.696	34.618	0.71	27.019	0.899
600.	7.334	34.600	0.82	27.057	0.954
650.	6.956	34.587	0.87	27.100	1.008
700.	6.689	34.577	0.93	27.128	1.060
750.	6.030	34.564	1.12	27.205	1.109
800.	5.830	34.557	1.23	27.225	1.157
850.	5.385	34.547	1.42	27.271	1.203
900.	5.083	34.545	1.57	27.305	1.246
950.	4.972	34.547	1.62	27.319	1.289
1000.	4.748	34.551	1.68	27.348	1.331
1004.	4.747	34.550	1.68	27.347	1.334

CAST EP4-84-RS-041 DATE 06 DEC 84 TIME 0605 GMT
LAT 1 00.1S LONG 092 29.9W

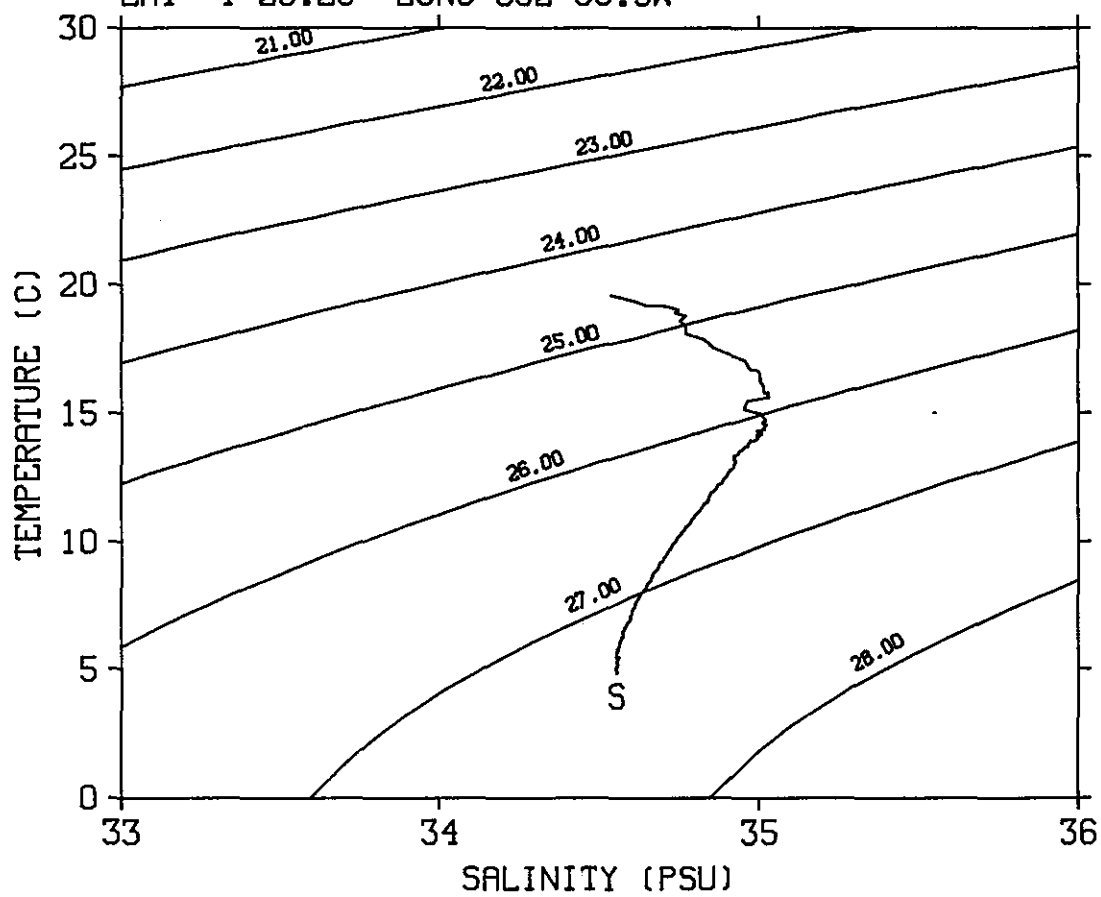


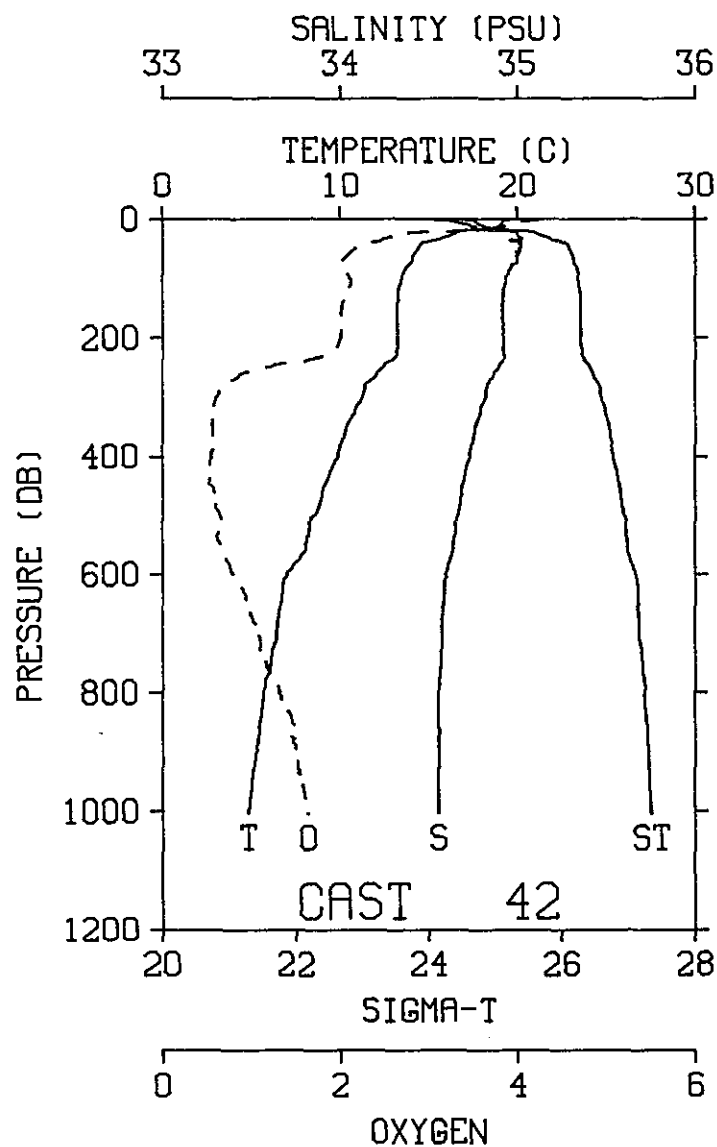


CAST EP4-84-RS-041 DATE 06 DEC 84 TIME 0605 GMT
 LAT 1 00.1S LONG 092 29.9W WEATHER 2 SEA STATE 1
 BAROMETER 12 WIND DIR 140 T SPD 05 KT VISIBILITY 7
 CLOUD 3 AMOUNT 5 DRY 20.2 WET 19.9 DEPTH 3237 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	19.293	34.750	4.28	24.756	0.000
10.	19.091	34.785	4.10	24.834	0.032
20.	18.496	34.862	3.74	25.044	0.062
30.	15.958	35.004	3.21	25.761	0.088
40.	14.804	35.019	2.64	26.030	0.109
50.	14.229	34.996	2.38	26.136	0.128
60.	13.942	34.981	2.26	26.185	0.146
70.	13.738	34.965	2.19	26.215	0.165
80.	13.673	34.961	2.17	26.226	0.183
90.	13.421	34.930	2.16	26.254	0.201
100.	13.382	34.924	2.13	26.257	0.218
110.	13.358	34.919	2.14	26.258	0.236
120.	13.353	34.917	2.15	26.258	0.254
130.	13.352	34.917	2.14	26.258	0.272
140.	13.353	34.917	2.15	26.258	0.290
150.	13.341	34.914	2.14	26.258	0.308
160.	13.306	34.911	2.14	26.262	0.326
170.	13.304	34.911	2.10	26.263	0.344
180.	13.304	34.911	2.09	26.263	0.361
190.	13.290	34.914	2.06	26.268	0.379
200.	13.223	34.914	1.97	26.282	0.397
250.	12.241	34.873	1.00	26.445	0.484
300.	11.450	34.823	0.63	26.555	0.564
350.	10.503	34.762	0.55	26.679	0.637
400.	10.179	34.746	0.48	26.724	0.708
450.	9.479	34.707	0.46	26.811	0.776
500.	8.801	34.670	0.56	26.891	0.840
550.	8.187	34.640	0.66	26.963	0.900
600.	7.459	34.609	0.73	27.046	0.956
650.	6.912	34.587	0.80	27.106	1.010
700.	6.854	34.586	0.93	27.113	1.062
750.	6.238	34.573	1.03	27.185	1.112
800.	5.848	34.557	1.21	27.222	1.161
850.	5.464	34.552	1.36	27.265	1.207
900.	5.124	34.546	1.52	27.301	1.251
950.	5.003	34.546	1.63	27.315	1.294
1000.	4.796	34.549	1.70	27.341	1.336
1003.	4.784	34.550	1.71	27.343	1.338

CAST EP4-84-RS-042 DATE 06 DEC 84 TIME 0947 GMT
LAT 1 29.2S LONG 092 33.9W

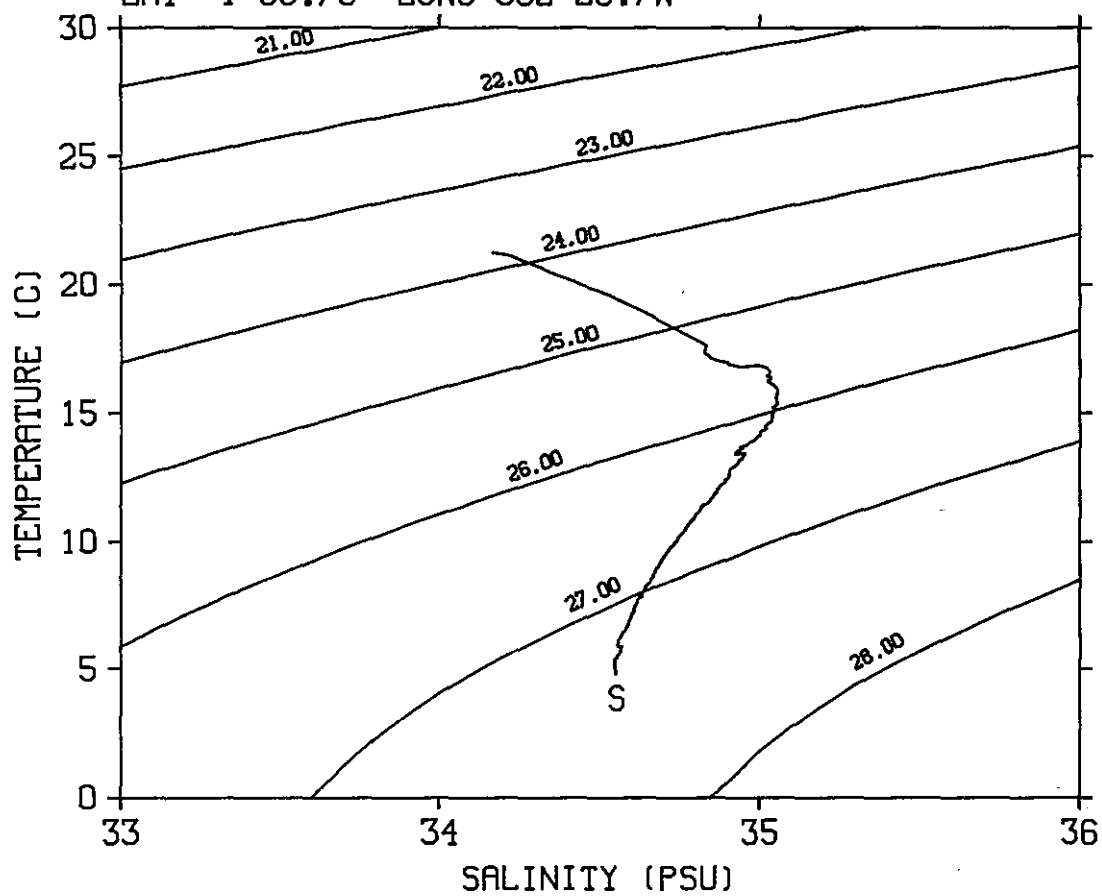


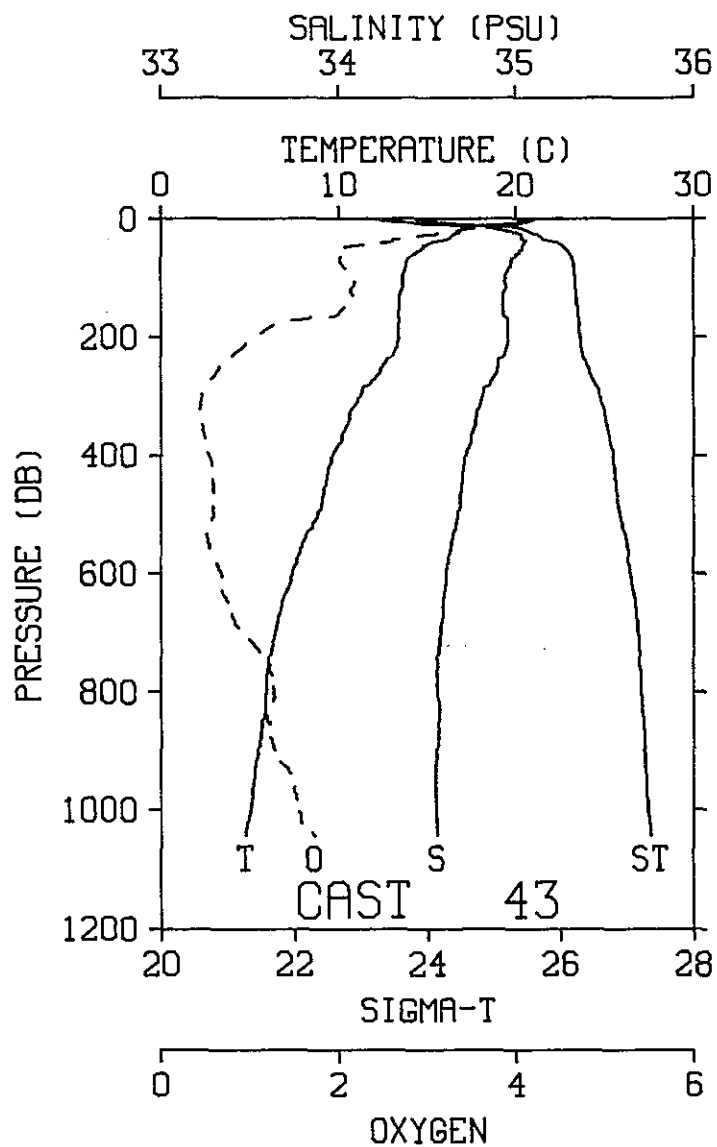


CAST EP4-B4-RS-042 DATE 06 DEC 84 TIME 0947 GMT
 LAT 1 29.2S LONG 092 33.9W WEATHER 1 SEA STATE 1
 BAROMETER 10 WIND DIR 000 T SPD 00 KT VISIBILITY 6
 CLOUD 0 AMOUNT 2 DRY 20.5 WET 20.0 DEPTH 3162 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXV (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	19.583	34.536	4.26	24.518	0.000
10.	19.065	34.726	3.91	24.797	0.032
20.	17.033	34.961	3.51	25.477	0.062
30.	16.011	35.015	2.59	25.758	0.085
40.	14.698	35.023	2.36	26.057	0.107
50.	14.394	35.019	2.17	26.119	0.126
60.	14.155	35.008	2.09	26.161	0.145
70.	14.068	34.999	2.04	26.172	0.163
80.	13.766	34.963	2.03	26.208	0.182
90.	13.575	34.951	2.09	26.238	0.200
100.	13.472	34.936	2.12	26.248	0.218
110.	13.415	34.935	2.13	26.259	0.235
120.	13.305	34.921	2.10	26.271	0.253
130.	13.279	34.920	2.07	26.275	0.271
140.	13.268	34.918	2.03	26.276	0.289
150.	13.264	34.918	2.02	26.277	0.306
160.	13.263	34.918	2.02	26.277	0.324
170.	13.255	34.918	2.01	26.278	0.342
180.	13.248	34.919	2.01	26.280	0.360
190.	13.237	34.919	2.01	26.283	0.377
200.	13.237	34.919	2.01	26.283	0.395
250.	12.440	34.896	1.16	26.423	0.483
300.	11.261	34.819	0.61	26.588	0.561
350.	10.350	34.760	0.56	26.705	0.634
400.	9.871	34.732	0.55	26.765	0.703
450.	9.064	34.687	0.55	26.863	0.768
500.	8.517	34.661	0.64	26.929	0.830
550.	8.058	34.636	0.66	26.979	0.889
600.	7.006	34.595	0.79	27.099	0.945
650.	6.624	34.581	0.94	27.140	0.996
700.	6.416	34.572	1.09	27.161	1.046
750.	6.063	34.565	1.17	27.201	1.094
800.	5.686	34.555	1.33	27.241	1.141
850.	5.463	34.550	1.46	27.264	1.187
900.	5.274	34.554	1.50	27.290	1.231
950.	5.034	34.552	1.57	27.316	1.275
1000.	4.839	34.553	1.62	27.340	1.317
1005.	4.835	34.553	1.64	27.340	1.321

CAST EP4-84-RS-043 DATE 06 DEC 84 TIME 1324 GMT
LAT 1 59.7S LONG 092 29.7W

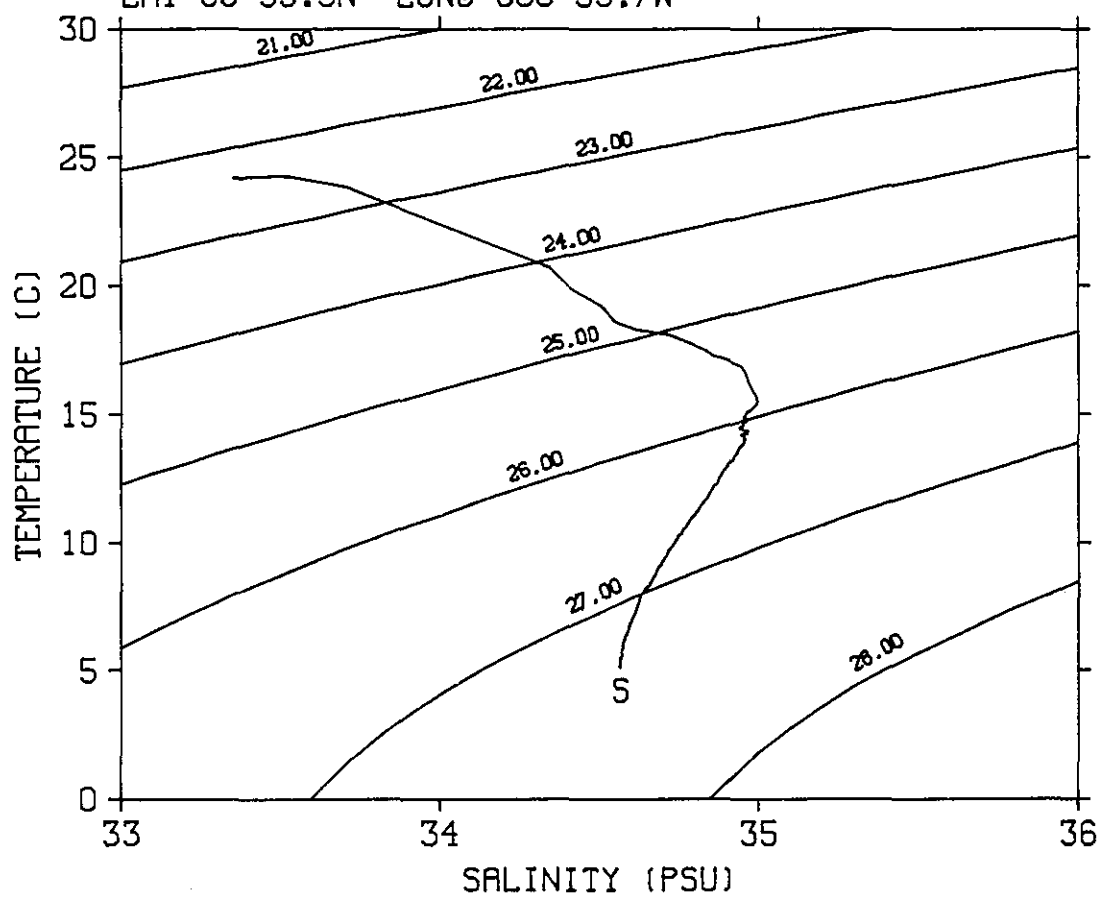




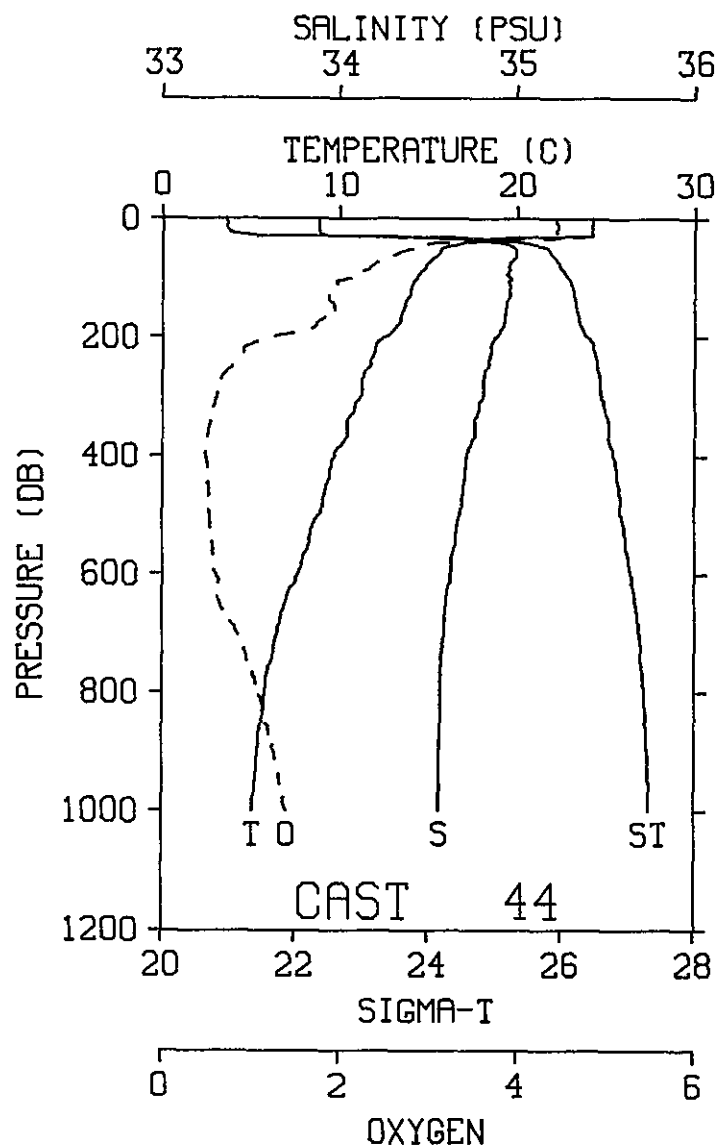
CAST EP4-84-RS-043 DATE 06 DEC 84 TIME 1324 GMT
 LAT 1 59.7S LONG 092 29.7W WEATHER 1 SEA STATE 1
 BAROMETER 13 WIND DIR 125 T SPD 05 KT VISIBILITY 7
 CLOUD 7 AMOUNT 6 DRY 21.2 WET 20.8 DEPTH 3272 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.208	34.166	4.52	23.804	0.000
10.	19.555	34.525	3.97	24.517	0.038
20.	16.811	34.920	3.37	25.498	0.065
30.	16.360	35.036	2.86	25.693	0.089
40.	15.349	35.054	2.59	25.937	0.111
50.	14.779	35.035	2.01	26.048	0.131
60.	14.252	35.002	2.00	26.136	0.150
70.	13.885	34.979	2.03	26.196	0.169
80.	13.827	34.971	2.06	26.202	0.187
90.	13.720	34.956	2.12	26.212	0.205
100.	13.613	34.939	2.17	26.221	0.223
110.	13.603	34.942	2.19	26.225	0.241
120.	13.549	34.940	2.14	26.235	0.259
130.	13.443	34.926	2.16	26.246	0.278
140.	13.442	34.928	2.12	26.248	0.296
150.	13.408	34.926	2.06	26.253	0.313
160.	13.375	34.925	2.00	26.259	0.331
170.	13.417	34.953	1.66	26.272	0.349
180.	13.373	34.950	1.26	26.279	0.367
190.	13.363	34.951	1.15	26.282	0.385
200.	13.330	34.950	1.05	26.288	0.403
250.	12.478	34.900	0.69	26.420	0.490
300.	11.220	34.811	0.46	26.589	0.569
350.	10.454	34.767	0.46	26.692	0.642
400.	9.626	34.713	0.54	26.791	0.710
450.	9.273	34.694	0.59	26.834	0.776
500.	8.813	34.672	0.58	26.891	0.839
550.	7.899	34.630	0.54	26.999	0.899
600.	7.367	34.606	0.68	27.057	0.955
650.	6.802	34.588	0.77	27.122	1.008
700.	6.403	34.569	0.90	27.160	1.059
750.	6.036	34.556	1.21	27.197	1.108
800.	5.909	34.556	1.26	27.213	1.155
850.	5.697	34.561	1.19	27.244	1.202
900.	5.466	34.554	1.27	27.266	1.248
950.	5.231	34.549	1.48	27.291	1.293
1000.	5.040	34.547	1.54	27.312	1.336
1047.	4.746	34.553	2.33	27.350	1.376

CASI EP4-84-RS-044 DATE 09 DEC 84 TIME 1107 GMT
LAT 00 59.5N LONG 088 59.7W

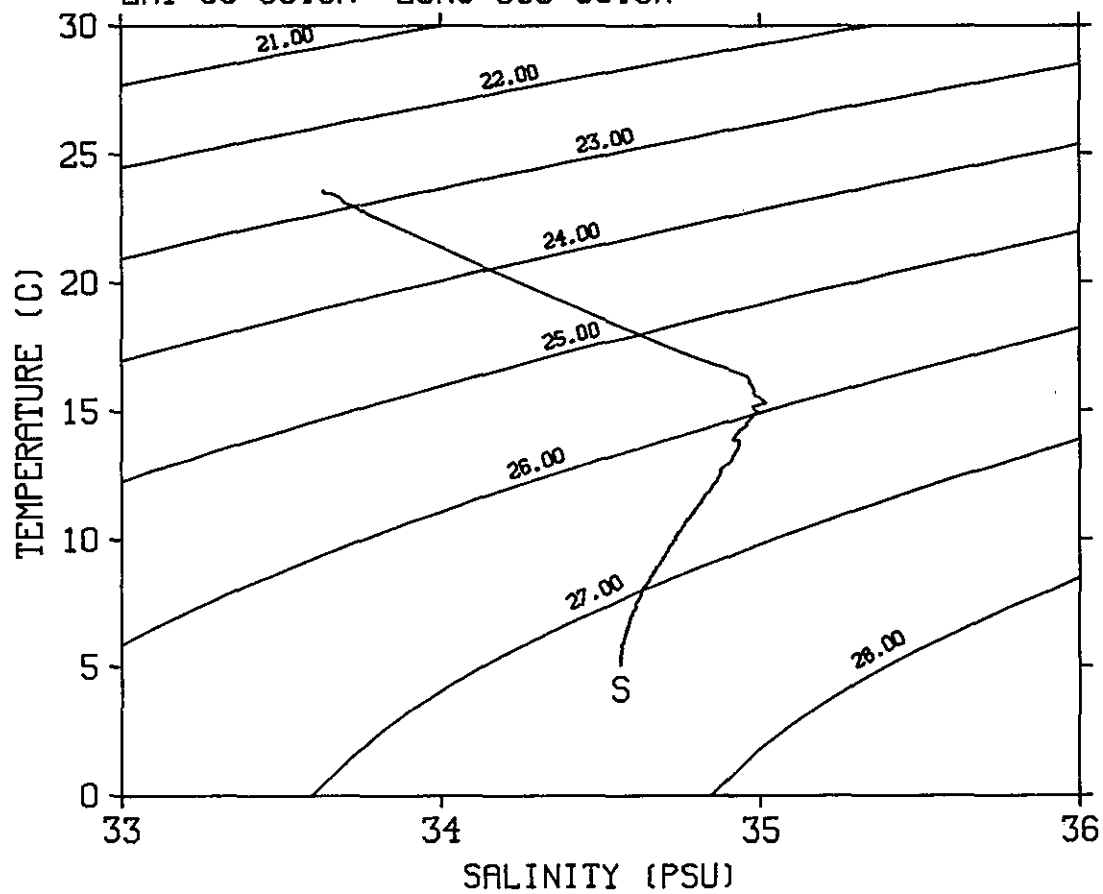


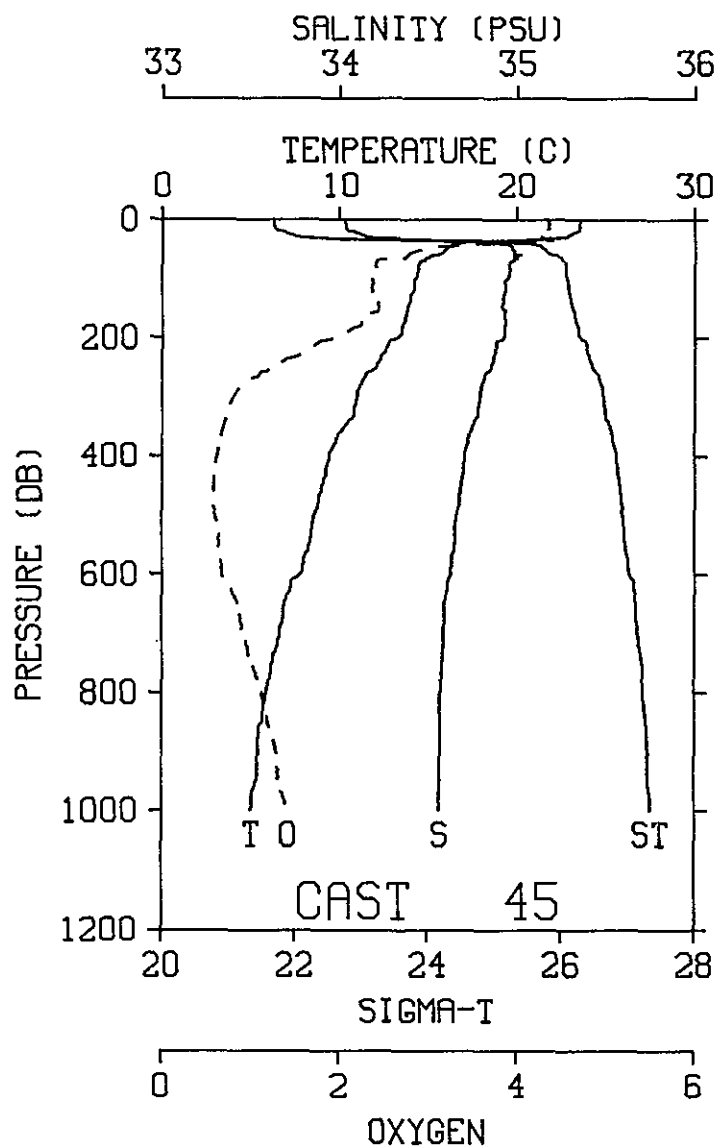
CAST EP4-84-RS-044 DATE 09 DEC 84 TIME 1107 GMT
 LAT 00 59.5N LONG 088 59.7W WEATHER 2 SEA STATE 3
 BAROMETER 11 WIND DIR 170 T SPD 12 KT VISIBILITY 6
 CLOUD 7 AMOUNT 8 DRY 23.2 WET 21.3 DEPTH 2390 M



PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.158	33.353	4.43	22.350	0.000
10.	24.167	33.363	4.45	22.355	0.055
20.	24.177	33.368	4.44	22.356	0.110
30.	23.809	33.709	4.44	22.722	0.164
40.	17.145	34.884	3.37	25.392	0.196
50.	15.769	34.986	2.80	25.790	0.220
60.	15.564	34.991	2.63	25.840	0.242
70.	15.153	34.973	2.51	25.918	0.263
80.	14.868	34.951	2.35	25.964	0.284
90.	14.547	34.944	2.24	26.028	0.304
100.	14.311	34.958	2.13	26.090	0.324
110.	14.065	34.955	1.96	26.139	0.343
120.	13.953	34.955	1.90	26.163	0.362
130.	13.901	34.953	1.88	26.173	0.380
140.	13.711	34.942	1.91	26.203	0.399
150.	13.637	34.937	1.93	26.215	0.417
160.	13.508	34.932	1.83	26.237	0.435
170.	13.406	34.928	1.81	26.255	0.453
180.	13.241	34.920	1.74	26.283	0.471
190.	12.975	34.901	1.62	26.322	0.489
200.	12.618	34.884	1.25	26.379	0.506
250.	11.657	34.833	0.80	26.525	0.586
300.	11.215	34.805	0.62	26.585	0.662
350.	10.398	34.756	0.53	26.693	0.735
400.	9.742	34.717	0.49	26.775	0.804
450.	9.182	34.691	0.52	26.848	0.870
500.	8.821	34.675	0.54	26.892	0.933
550.	8.248	34.648	0.57	26.960	0.993
600.	7.628	34.619	0.60	27.029	1.051
650.	6.936	34.598	0.65	27.111	1.105
700.	6.478	34.583	0.84	27.161	1.155
750.	6.143	34.574	0.97	27.198	1.204
800.	5.780	34.566	1.08	27.238	1.251
850.	5.586	34.565	1.18	27.261	1.297
900.	5.380	34.561	1.26	27.283	1.342
950.	5.245	34.561	1.33	27.298	1.386
1000.	5.104	34.562	1.40	27.316	1.429

CAST EP4-84-RS-045 DATE 09 DEC 84 TIME 1657 GMT
LAT 00 00.0N LONG 089 00.0W

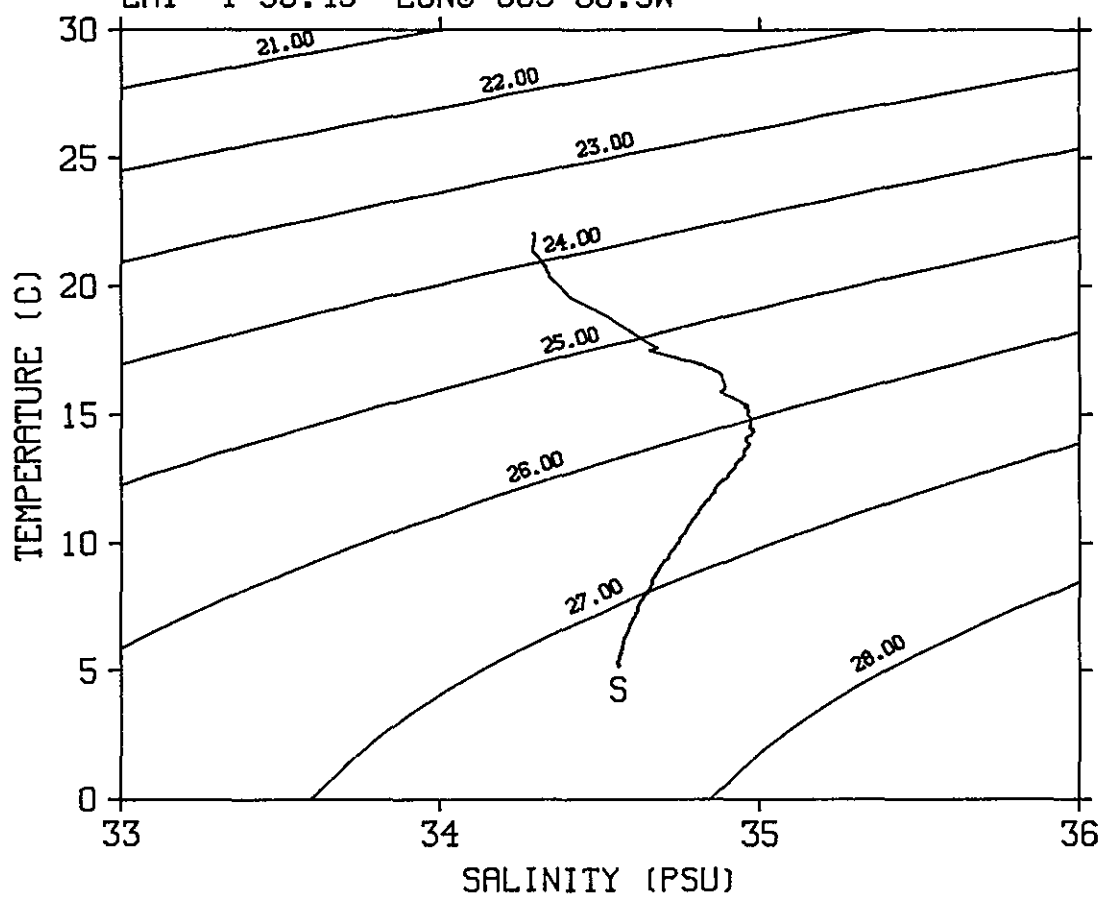




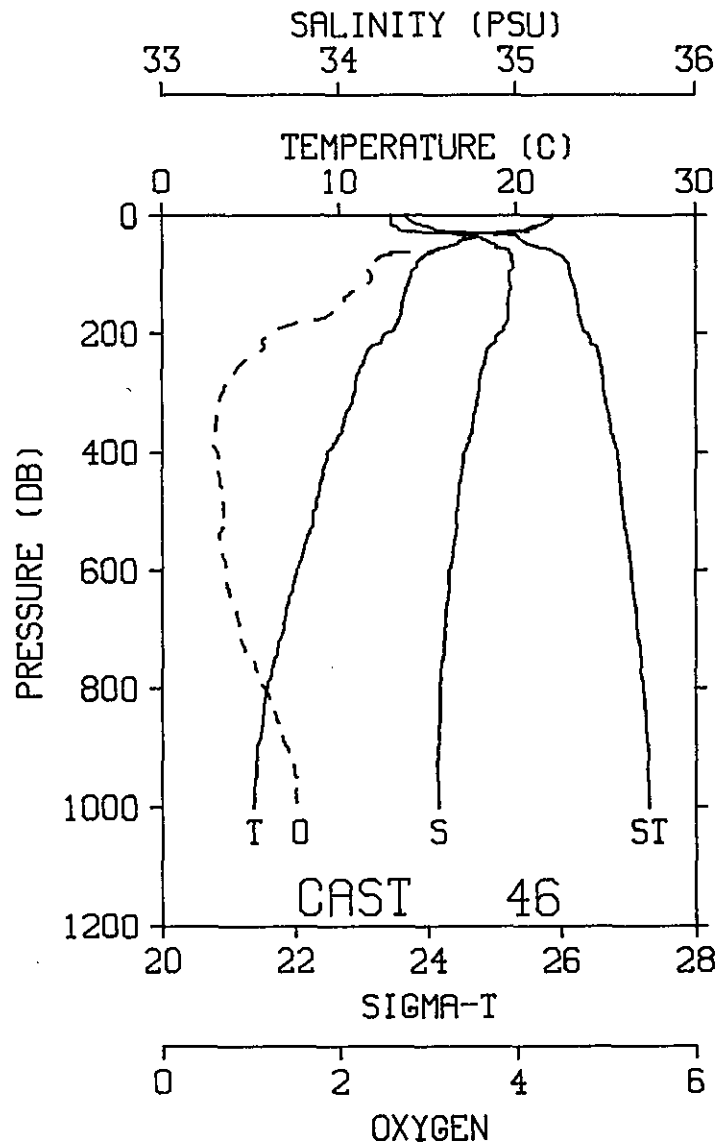
CAST EP4-84-RS-045 DATE 09 DEC 84 TIME 1657 GMT
 LAT 00 00.0N LONG 089 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 180 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 24.5 WET 22.0 DEPTH 2315 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	23.560	33.634	4.31	22.737	0.000
10.	23.486	33.634	4.34	22.760	0.051
20.	23.247	33.688	4.38	22.869	0.102
30.	22.698	33.768	4.27	23.087	0.150
40.	16.645	34.888	3.77	25.513	0.186
50.	15.945	34.973	2.91	25.741	0.210
60.	15.262	35.016	2.76	25.927	0.232
70.	14.610	34.966	2.41	26.032	0.252
80.	14.447	34.956	2.40	26.059	0.272
90.	14.406	34.954	2.37	26.066	0.292
100.	14.260	34.939	2.36	26.086	0.311
110.	14.204	34.932	2.37	26.092	0.330
120.	14.158	34.932	2.38	26.102	0.350
130.	14.004	34.921	2.37	26.126	0.369
140.	13.938	34.920	2.43	26.139	0.388
150.	13.819	34.915	2.44	26.160	0.407
160.	13.723	34.928	2.31	26.190	0.426
170.	13.689	34.929	2.26	26.198	0.444
180.	13.514	34.927	2.23	26.232	0.463
190.	13.482	34.926	2.09	26.238	0.481
200.	13.292	34.918	1.94	26.271	0.499
250.	12.066	34.851	1.26	26.462	0.583
300.	10.953	34.788	0.81	26.619	0.659
350.	10.256	34.745	0.69	26.709	0.732
400.	9.428	34.702	0.61	26.816	0.799
450.	8.990	34.681	0.58	26.870	0.863
500.	8.604	34.659	0.60	26.914	0.925
550.	8.280	34.645	0.64	26.953	0.986
600.	7.755	34.623	0.68	27.014	1.044
650.	6.875	34.592	0.85	27.115	1.097
700.	6.654	34.586	0.93	27.140	1.149
750.	6.152	34.574	1.01	27.197	1.198
800.	5.893	34.567	1.12	27.224	1.246
850.	5.630	34.565	1.19	27.255	1.292
900.	5.383	34.562	1.28	27.283	1.337
950.	5.303	34.562	1.31	27.293	1.381
1000.	5.025	34.560	1.41	27.324	1.424
1001.	5.024	34.561	1.42	27.324	1.425

CAST EP4-84-RS-046 DATE 10 DEC 84 TIME 0118 GMT
LAT 1 30.4S LONG 089 00.5W

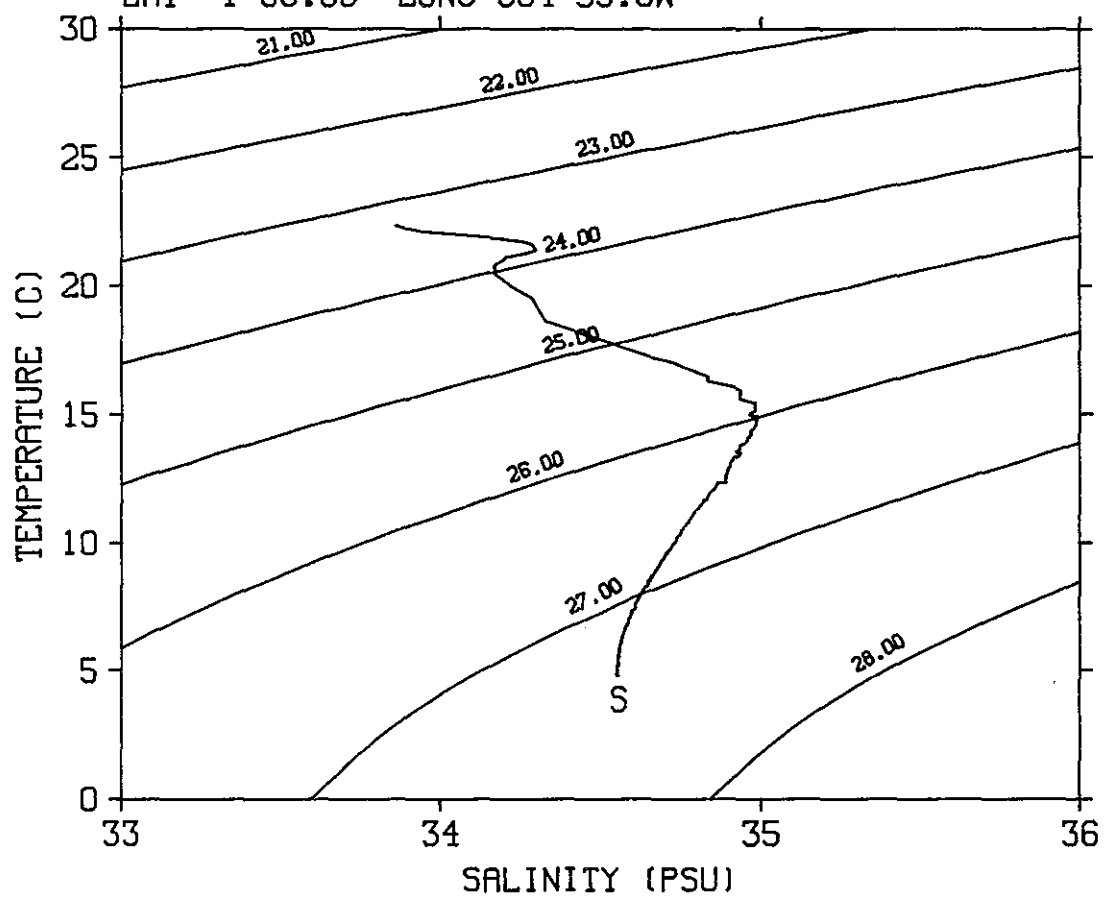


CAST EP4-84-RS-046 DATE 10 DEC 84 TIME 0118 GMT
 LAT 1 30.4S LONG 089 00.5W WEATHER 1 SEA STATE 2
 BAROMETER 10 WIND DIR 160 T SPD 10 KT VISIBILITY 9
 CLOUD 0 AMOUNT 2 DRY 22.3 WET 21.2 DEPTH 1190 M

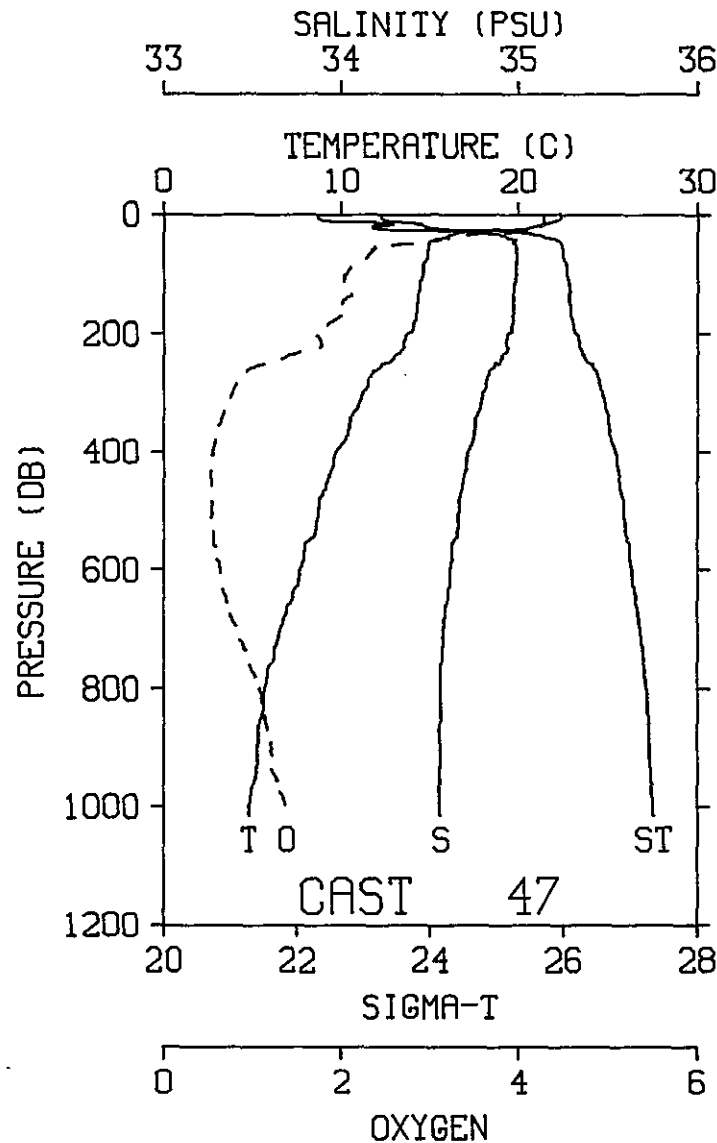


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.039	34.291	4.52	23.670	0.000
10.	21.741	34.293	4.25	23.754	0.042
20.	20.742	34.328	4.21	24.053	0.082
30.	17.968	34.624	4.15	24.993	0.119
40.	16.945	34.802	3.47	25.376	0.146
50.	16.507	34.877	3.27	25.537	0.171
60.	15.326	34.961	3.07	25.870	0.194
70.	14.701	34.966	2.45	26.012	0.215
80.	14.366	34.973	2.37	26.089	0.234
90.	14.299	34.978	2.29	26.108	0.254
100.	14.063	34.956	2.36	26.141	0.273
110.	13.942	34.957	2.35	26.167	0.291
120.	13.831	34.967	2.29	26.198	0.310
130.	13.724	34.958	2.12	26.213	0.328
140.	13.616	34.951	2.05	26.230	0.347
150.	13.525	34.947	2.05	26.246	0.365
160.	13.501	34.950	1.98	26.253	0.383
170.	13.445	34.949	1.87	26.264	0.401
180.	13.292	34.943	1.61	26.291	0.418
190.	13.109	34.927	1.36	26.315	0.436
200.	12.682	34.900	1.23	26.380	0.453
250.	11.322	34.814	0.90	26.572	0.532
300.	10.829	34.784	0.68	26.639	0.606
350.	10.224	34.752	0.60	26.720	0.677
400.	9.276	34.698	0.61	26.837	0.745
450.	8.942	34.678	0.66	26.876	0.808
500.	8.533	34.658	0.70	26.924	0.870
550.	8.096	34.644	0.64	26.980	0.929
600.	7.559	34.618	0.72	27.039	0.986
650.	7.159	34.607	0.78	27.087	1.041
700.	6.812	34.593	0.87	27.124	1.093
750.	6.271	34.576	1.04	27.183	1.143
800.	5.888	34.567	1.15	27.225	1.192
850.	5.655	34.562	1.27	27.250	1.238
900.	5.332	34.553	1.40	27.282	1.283
950.	5.302	34.554	1.52	27.286	1.328
1000.	5.157	34.556	1.53	27.305	1.371
1002.	5.157	34.556	1.55	27.305	1.373

CAST EP4-84-RS-047 DATE 10 DEC 84 TIME 2207 GMT
LAT 1 00.6S LONG 084 59.8W

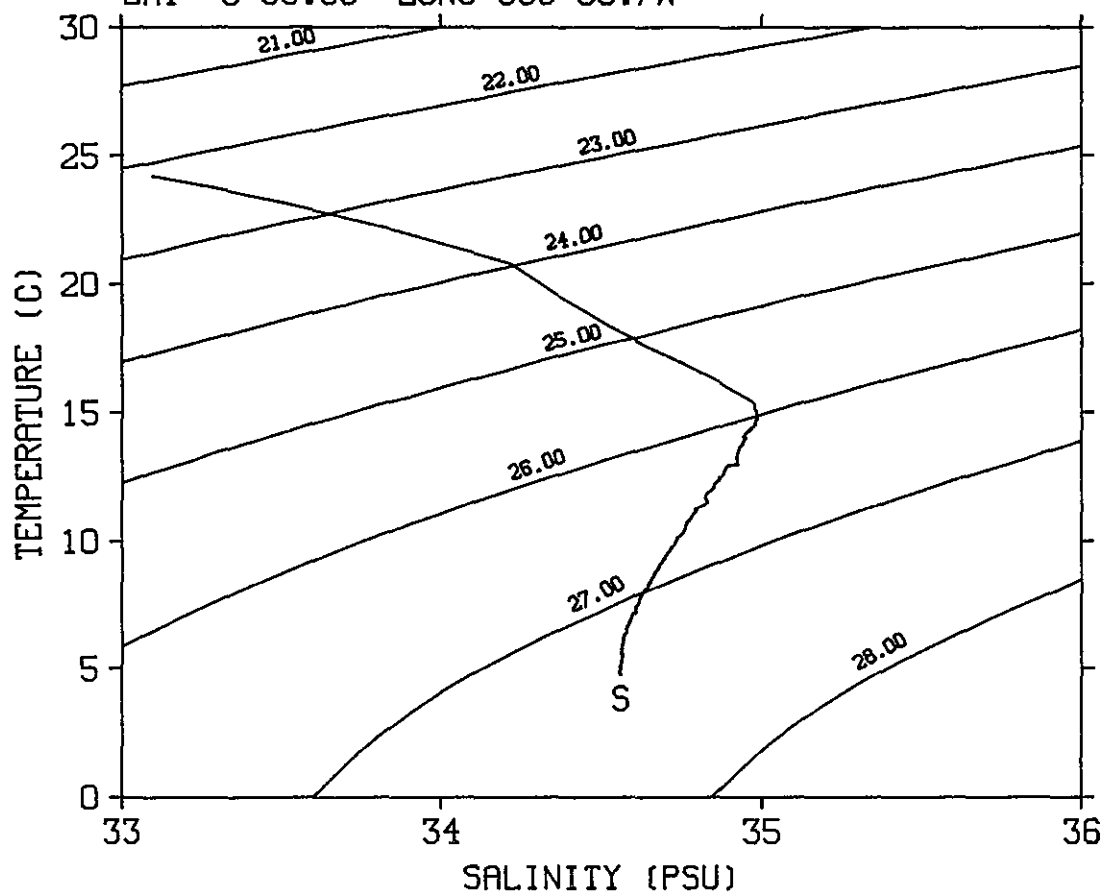


CAST EP4-84-RS-047 DATE 10 DEC 84 TIME 2207 GMT
 LAT 1 00.6S LONG 084 59.8W WEATHER 2 SEA STATE 2
 BAROMETER 09 WIND DIR 150 T SPD 09 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 DRY 21.9 WET 20.2 DEPTH 2462 M

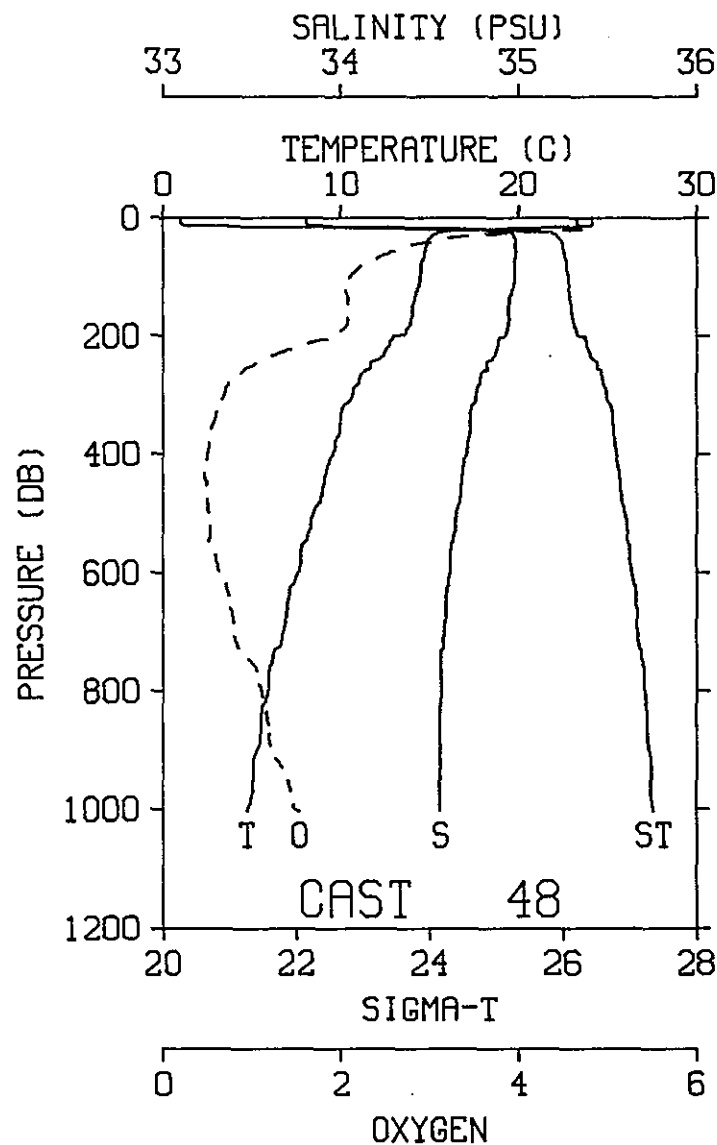


PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.318	33.863	4.29	23.267	0.000
10.	22.171	33.908	4.28	23.342	0.046
20.	20.829	34.178	4.20	23.916	0.088
30.	16.614	34.801	3.83	25.453	0.121
40.	15.611	34.933	3.14	25.785	0.145
50.	14.903	34.981	2.67	25.980	0.166
60.	14.873	34.986	2.34	25.990	0.186
70.	14.847	34.990	2.30	25.998	0.206
80.	14.681	34.984	2.24	26.030	0.226
90.	14.602	34.983	2.10	26.047	0.246
100.	14.583	34.982	2.05	26.050	0.266
110.	14.462	34.978	2.02	26.072	0.286
120.	14.363	34.970	2.08	26.088	0.305
130.	14.347	34.971	2.10	26.092	0.325
140.	14.304	34.970	2.06	26.100	0.344
150.	14.281	34.970	2.01	26.105	0.363
160.	14.264	34.969	2.00	26.108	0.383
170.	14.199	34.968	1.99	26.121	0.402
180.	14.122	34.967	1.91	26.137	0.421
190.	14.027	34.959	1.81	26.151	0.440
200.	13.754	34.937	1.75	26.191	0.459
250.	12.541	34.888	1.14	26.398	0.550
300.	11.172	34.795	0.77	26.585	0.628
350.	10.487	34.756	0.64	26.677	0.702
400.	9.665	34.711	0.55	26.783	0.772
450.	9.215	34.686	0.53	26.838	0.838
500.	8.692	34.660	0.54	26.901	0.900
550.	8.163	34.634	0.54	26.962	0.961
600.	7.628	34.610	0.63	27.023	1.019
650.	7.191	34.594	0.70	27.073	1.074
700.	6.530	34.572	0.83	27.146	1.126
750.	6.136	34.562	0.95	27.190	1.176
800.	5.669	34.555	1.08	27.243	1.223
850.	5.419	34.553	1.14	27.272	1.268
900.	5.277	34.554	1.21	27.289	1.312
950.	5.129	34.551	1.25	27.304	1.356
1000.	4.824	34.552	1.37	27.340	1.398
1017.	4.772	34.557	1.38	27.350	1.413

CAST EP4-84-RS-048 DATE 13 DEC 84 TIME 0349 GMT
LAT 0 00.3S LONG 085 00.7W

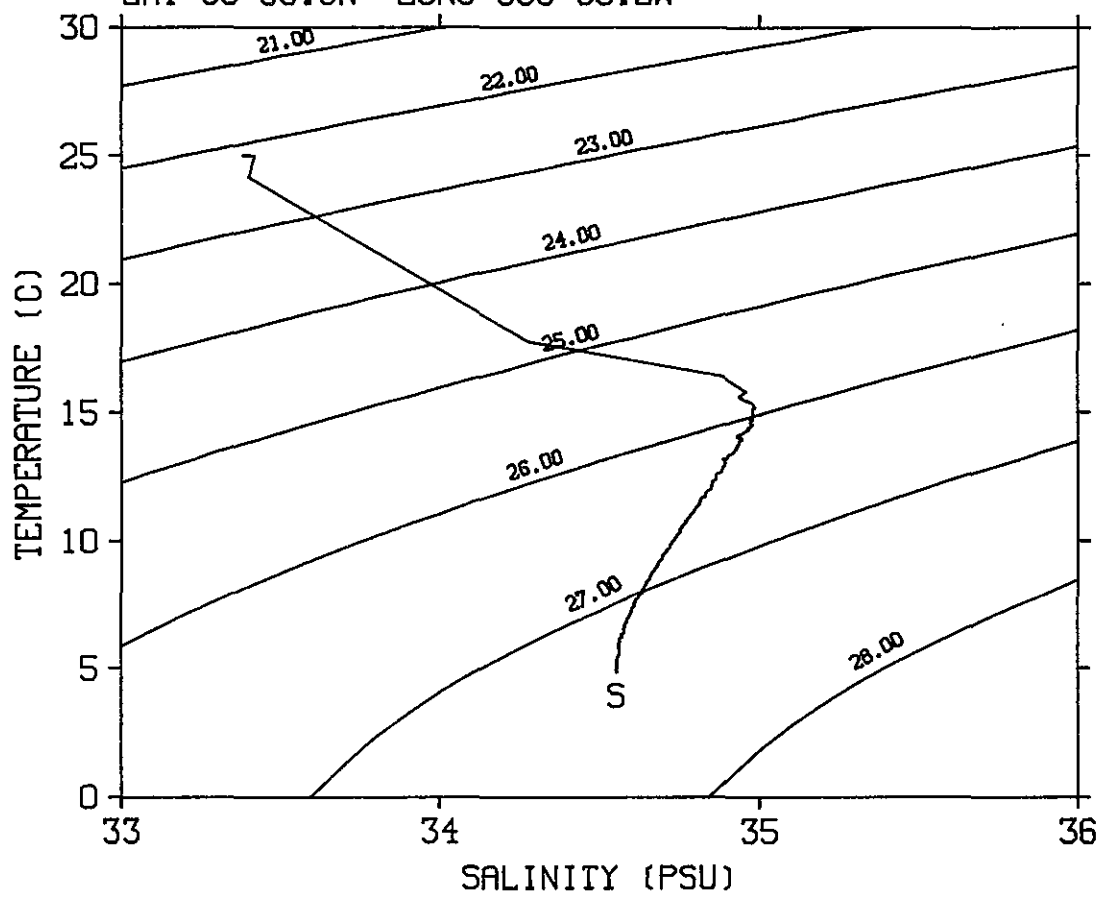


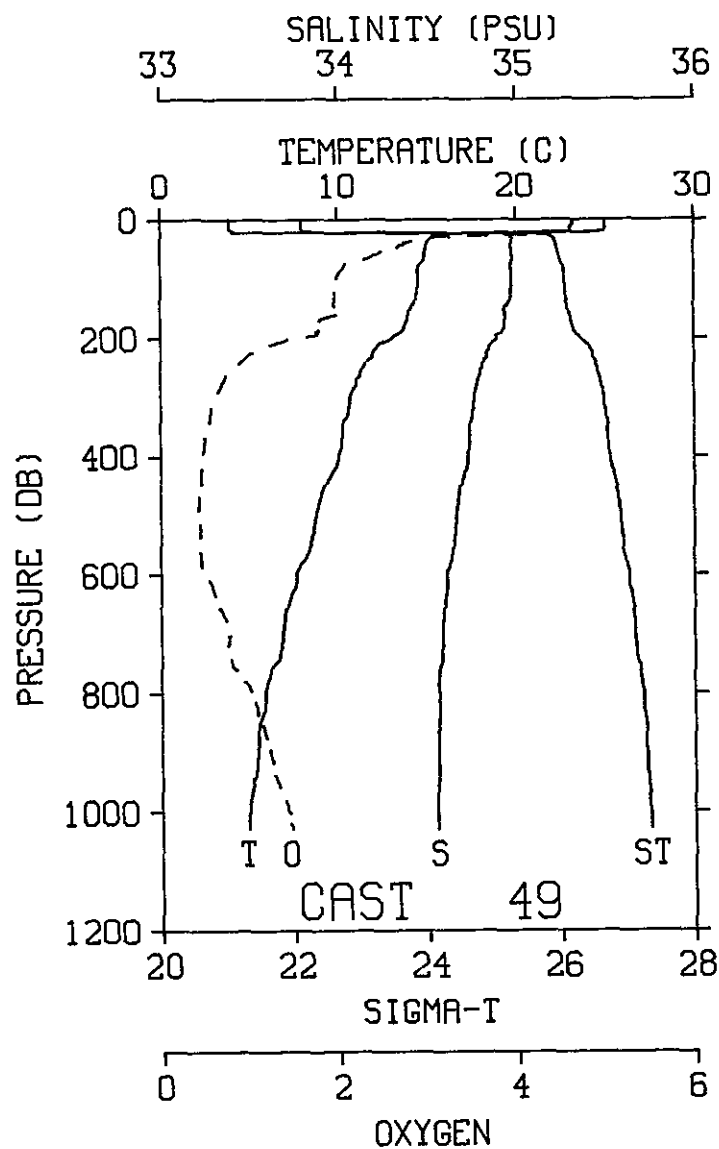
CAST EP4-84-RS-048 DATE 13 DEC 84 TIME 0349 GMT
 LAT 0 00.3S LONG 085 00.7W WEATHER 2 SEA STATE 2
 BAROMETER 12 WIND DIR 170 T SPD 08 KT VISIBILITY 9
 CLOUD X AMOUNT 8 DRY 22.8 WET 20.8 DEPTH 3292 M



PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.174	33.099	4.66	22.153	0.000
10.	24.179	33.101	4.67	22.154	0.057
20.	17.630	34.620	4.68	25.072	0.104
30.	15.144	34.975	3.53	25.922	0.126
40.	14.881	34.984	3.03	25.987	0.147
50.	14.790	34.986	2.73	26.008	0.167
60.	14.724	34.985	2.54	26.022	0.187
70.	14.622	34.979	2.40	26.039	0.207
80.	14.521	34.978	2.24	26.060	0.226
90.	14.490	34.977	2.17	26.066	0.246
100.	14.465	34.977	2.09	26.071	0.266
110.	14.410	34.974	2.06	26.081	0.285
120.	14.330	34.968	2.05	26.094	0.305
130.	14.238	34.960	2.07	26.107	0.324
140.	14.165	34.952	2.08	26.116	0.343
150.	14.063	34.947	2.07	26.133	0.362
160.	14.024	34.944	2.07	26.140	0.381
170.	14.001	34.953	2.07	26.151	0.401
180.	13.908	34.946	2.07	26.166	0.419
190.	13.696	34.937	2.02	26.203	0.438
200.	13.514	34.927	1.94	26.232	0.457
250.	11.638	34.818	1.01	26.517	0.541
300.	10.672	34.763	0.69	26.650	0.615
350.	9.944	34.727	0.56	26.749	0.685
400.	9.526	34.705	0.50	26.801	0.752
450.	9.050	34.678	0.48	26.859	0.816
500.	8.430	34.649	0.51	26.933	0.878
550.	7.879	34.623	0.52	26.996	0.937
600.	7.582	34.613	0.63	27.031	0.994
650.	6.984	34.589	0.74	27.098	1.048
700.	6.766	34.581	0.80	27.121	1.100
750.	6.116	34.563	0.99	27.192	1.150
800.	5.868	34.562	1.11	27.223	1.197
850.	5.526	34.559	1.16	27.264	1.243
900.	5.300	34.559	1.20	27.290	1.288
950.	5.021	34.553	1.40	27.318	1.331
1000.	4.761	34.556	1.48	27.350	1.373
1005.	4.710	34.558	1.53	27.358	1.377

CAST EP4-84-RS-049 DATE 11 DEC 84 TIME 0941 GMT
LAT 00 59.6N LONG 085 00.2W





CAST EP4-84-RS-049 DATE 11 DEC 84 TIME 0941 GMT
 LAT 00 59.6N LONG 085 00.2W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 170 T SPD 14 KT VISIBILITY 7
 CLOUD 2 AMOUNT 2 DRY 23.3 WET 21.5 DEPTH 3043 M

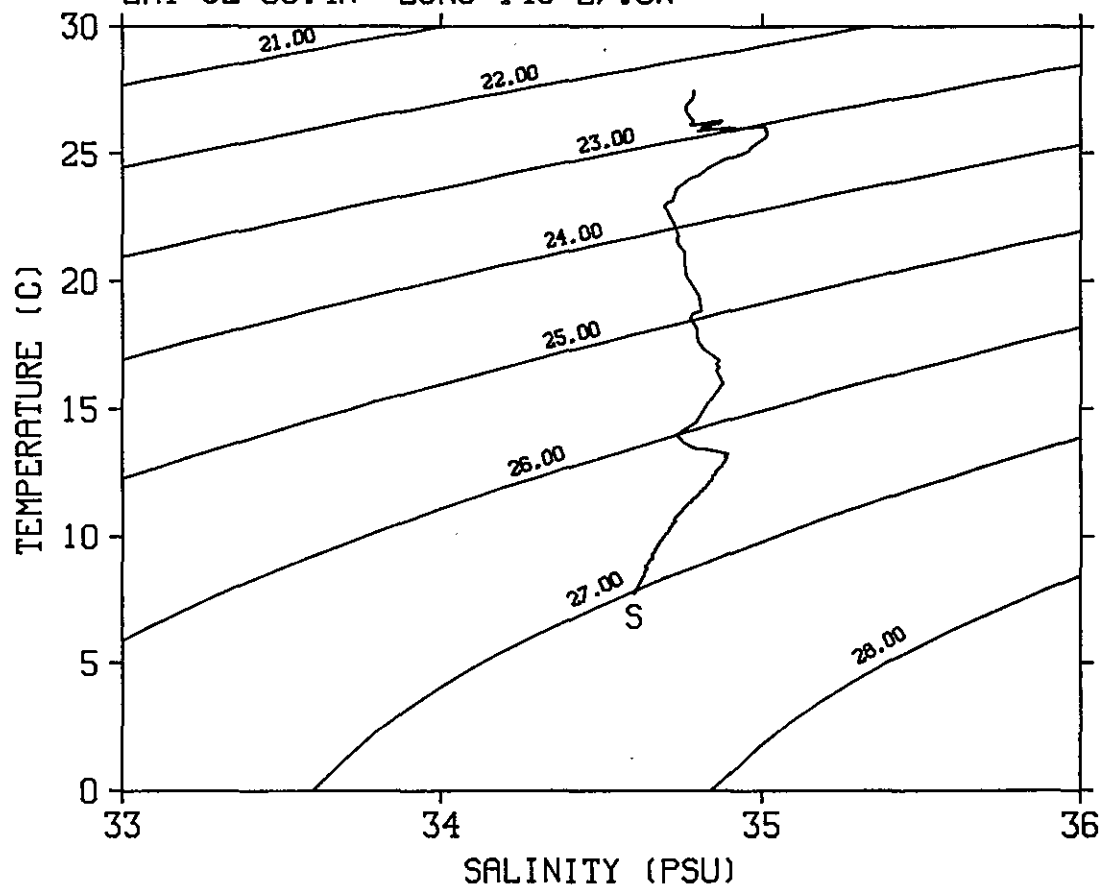
PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.011	33.384	4.65	22.119	0.000
10.	25.014	33.384	4.62	22.118	0.057
20.	24.935	33.421	4.63	22.170	0.114
30.	15.307	34.977	3.11	25.887	0.144
40.	15.038	34.980	2.75	25.949	0.165
50.	14.974	34.978	2.61	25.961	0.185
60.	14.889	34.980	2.41	25.982	0.206
70.	14.816	34.983	2.21	26.000	0.226
80.	14.535	34.970	2.08	26.051	0.246
90.	14.507	34.980	2.01	26.064	0.266
100.	14.503	34.978	1.98	26.064	0.285
110.	14.476	34.975	1.99	26.068	0.305
120.	14.437	34.971	1.97	26.073	0.324
130.	14.381	34.969	1.96	26.083	0.344
140.	14.300	34.965	1.96	26.097	0.364
150.	14.116	34.941	2.01	26.117	0.383
160.	13.973	34.943	2.01	26.150	0.402
170.	13.893	34.943	1.79	26.166	0.421
180.	13.748	34.934	1.84	26.189	0.440
190.	13.564	34.925	1.78	26.221	0.458
200.	13.021	34.893	1.51	26.306	0.476
250.	11.381	34.809	0.83	26.557	0.557
300.	10.653	34.764	0.61	26.655	0.631
350.	10.232	34.741	0.52	26.710	0.703
400.	9.998	34.728	0.46	26.740	0.772
450.	9.195	34.686	0.45	26.841	0.839
500.	8.705	34.661	0.43	26.900	0.902
550.	8.389	34.646	0.44	26.937	0.963
600.	7.617	34.611	0.49	27.025	1.022
650.	7.142	34.594	0.64	27.079	1.077
700.	6.829	34.582	0.76	27.113	1.130
750.	6.352	34.569	0.79	27.167	1.181
800.	5.830	34.560	1.01	27.227	1.229
850.	5.447	34.556	1.09	27.270	1.275
900.	5.378	34.554	1.21	27.277	1.320
950.	5.099	34.552	1.29	27.309	1.364
1000.	4.911	34.551	1.42	27.330	1.407
1030.	4.832	34.552	1.45	27.339	1.432

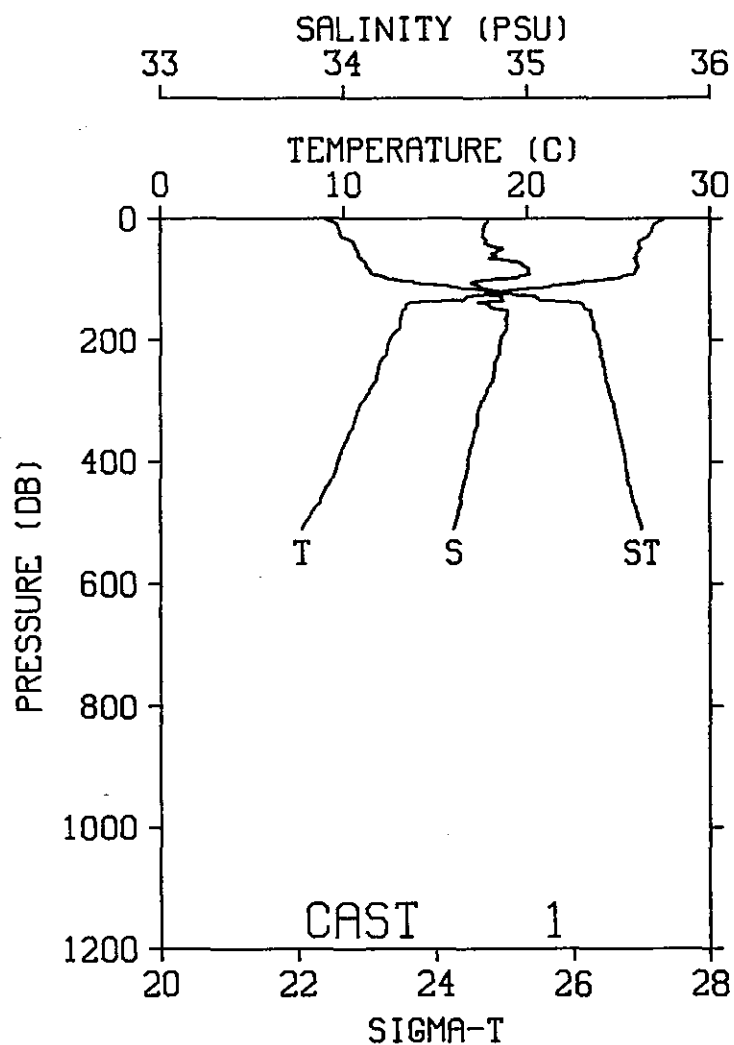
EP1-85-DI

18 April - 16 May 1985

NBIS CTD/O₂ Data Summary

CAST EP1-85-DI-001 DATE 28 APR 85 TIME 0010 GMT
LAT 02 58.4N LONG 140 27.5W

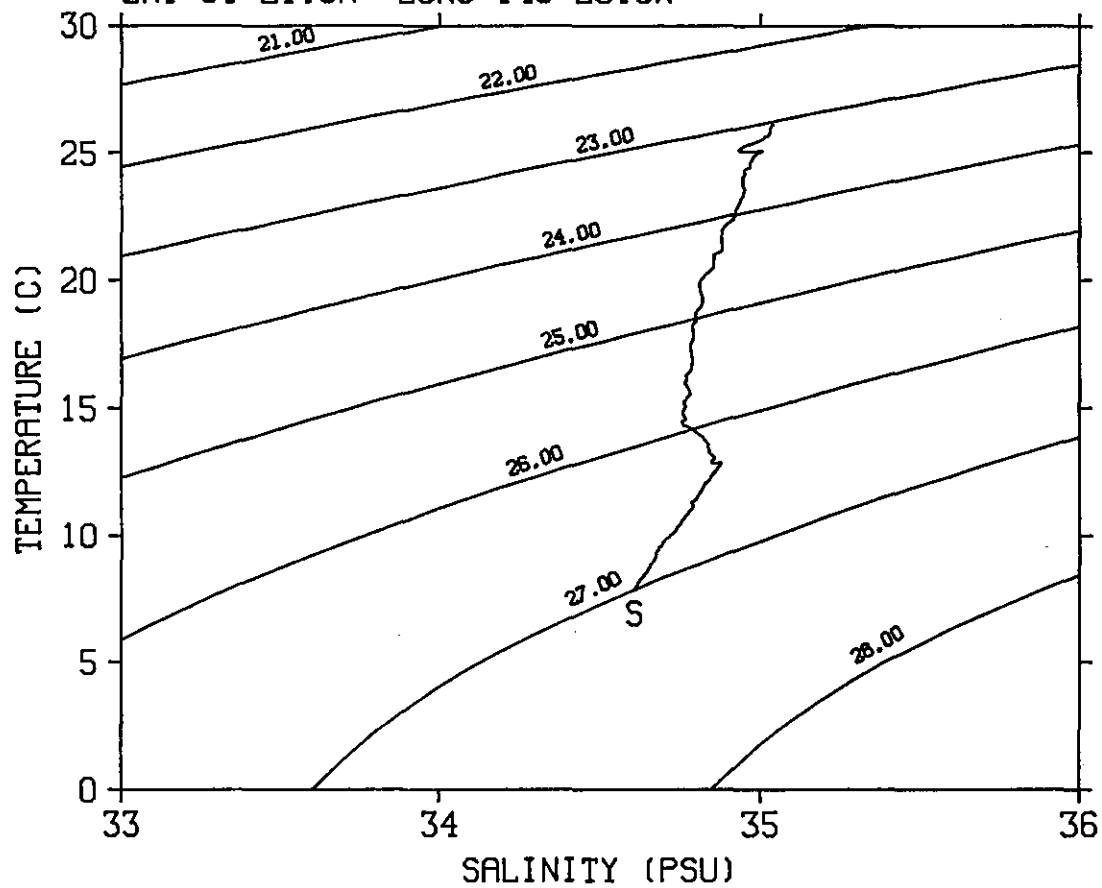




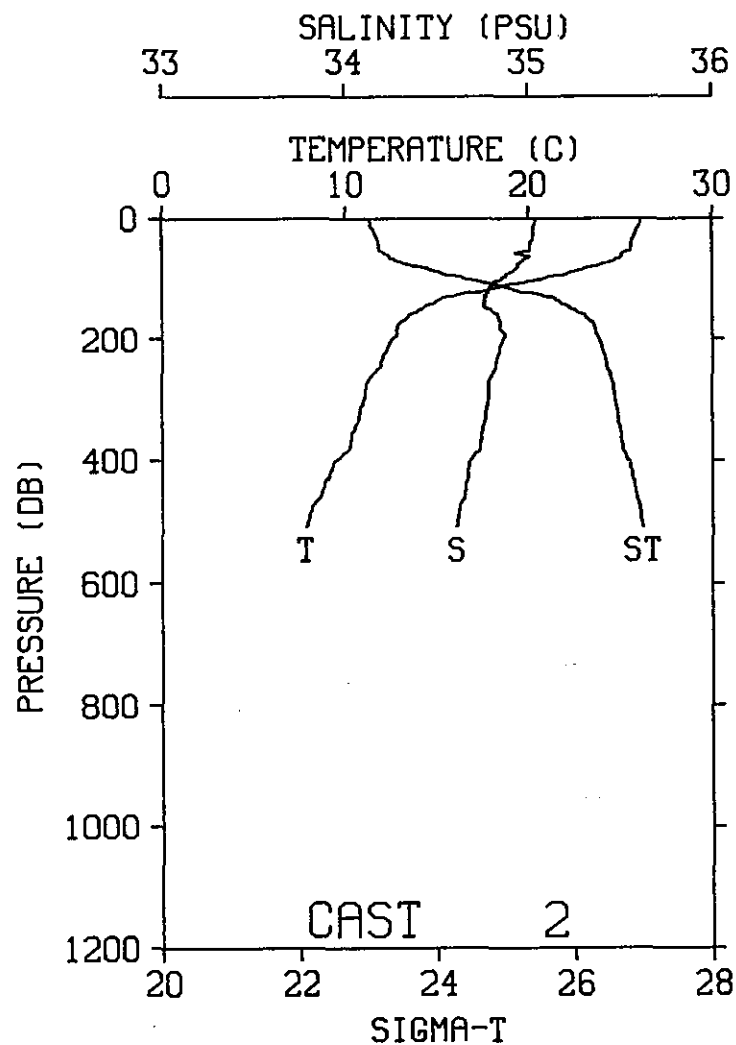
CAST EP1-85-DI-001 DATE 28 APR 85 TIME 0010 GMT
 LAT 02 58.4N LONG 140 27.5W WEATHER 1 SEA STATE 3
 BAROMETER 07 WIND DIR 140 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 5 DRY 26.8 WET 24.2 DEPTH 4298 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.443	34.787	22.417	0.000
10.	26.931	34.771	22.569	0.054
20.	26.788	34.764	22.609	0.106
30.	26.645	34.766	22.656	0.158
40.	26.127	34.776	22.827	0.209
50.	26.277	34.875	22.854	0.260
60.	26.005	34.818	22.897	0.310
70.	25.999	34.906	22.964	0.359
80.	26.083	34.999	23.008	0.408
90.	25.882	35.012	23.081	0.456
100.	24.421	34.834	23.392	0.503
110.	21.752	34.738	24.089	0.546
120.	18.703	34.783	24.932	0.580
130.	16.667	34.860	25.486	0.608
140.	13.492	34.781	26.124	0.631
150.	13.244	34.885	26.255	0.650
160.	13.162	34.892	26.277	0.667
170.	13.070	34.891	26.295	0.685
180.	13.065	34.892	26.297	0.703
190.	12.711	34.873	26.353	0.720
200.	12.501	34.857	26.382	0.737
250.	11.906	34.825	26.472	0.819
300.	11.081	34.758	26.573	0.898
350.	10.334	34.717	26.674	0.972
400.	9.655	34.678	26.759	1.042
450.	8.913	34.644	26.853	1.108
500.	7.915	34.610	26.981	1.169
511.	7.715	34.601	27.003	1.181

CAST EP1-85-DI-002 DATE 28 APR 85 TIME 0446 GMT
LAT 01 21.0N LONG 140 25.3W

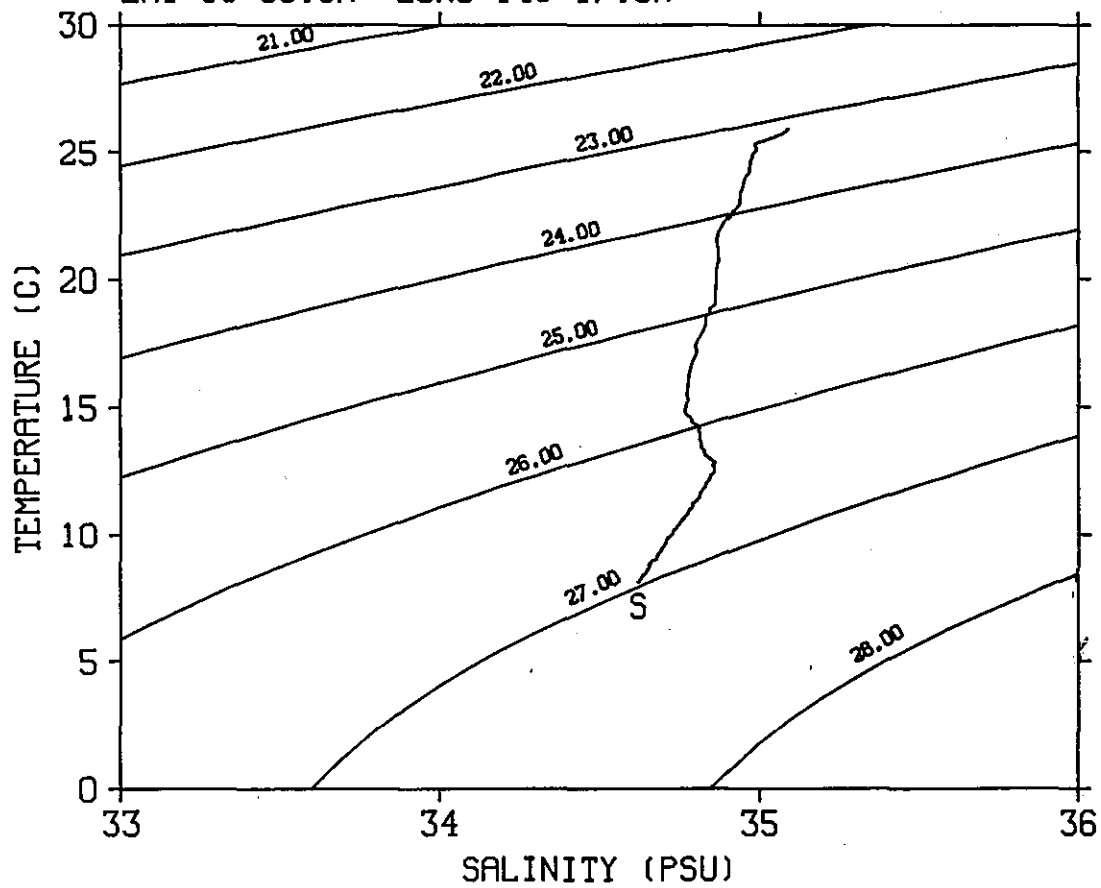


CAST EP1-85-DI-002 DATE 28 APR 85 TIME 0446 GMT
 LAT 01 21.0N LONG 140 25.3W WEATHER 1 SEA STATE 2
 BAROMETER 09 WIND DIR 120 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 4 DRY 25.0 WET 23.9 DEPTH 4353 M

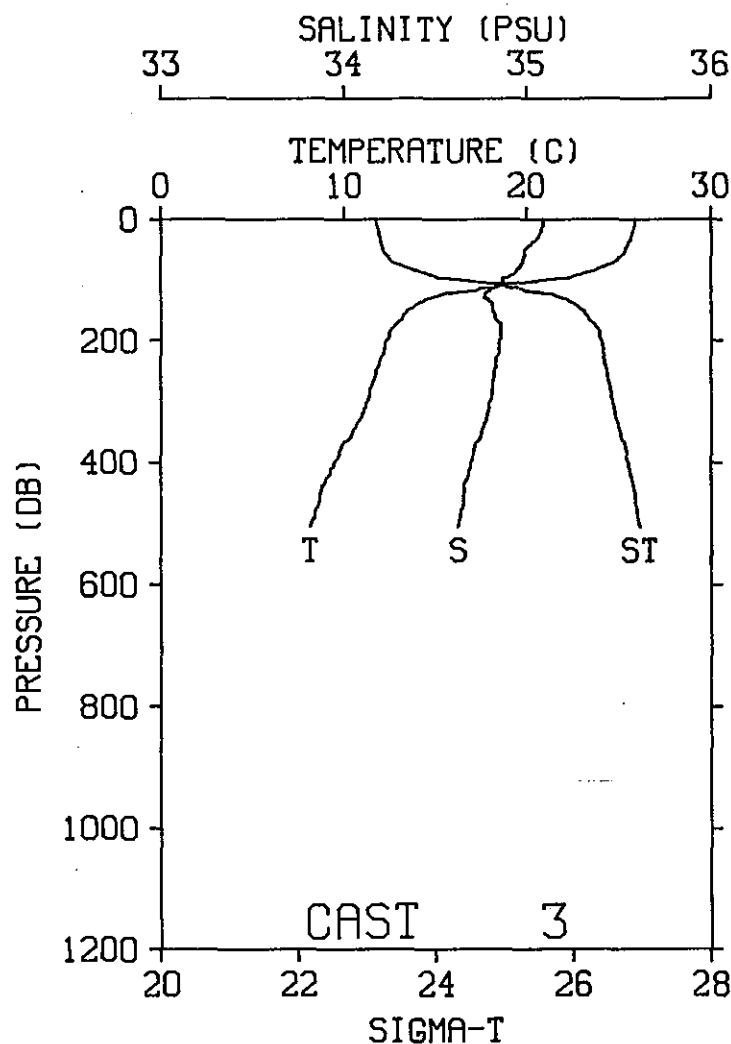


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.107	35.040	23.032	0.000
10.	26.085	35.037	23.037	0.048
20.	25.891	35.032	23.094	0.096
30.	25.763	35.029	23.131	0.144
40.	25.631	35.012	23.159	0.191
50.	25.596	35.015	23.172	0.238
60.	25.058	34.961	23.296	0.285
70.	24.667	34.970	23.421	0.330
80.	23.467	34.948	23.760	0.374
90.	22.271	34.900	24.067	0.414
100.	20.849	34.856	24.426	0.451
110.	18.815	34.803	24.919	0.484
120.	17.626	34.788	25.202	0.513
130.	15.508	34.781	25.691	0.539
140.	14.876	34.760	25.815	0.561
150.	14.164	34.788	25.989	0.583
160.	13.506	34.836	26.163	0.602
170.	13.159	34.847	26.243	0.621
180.	12.852	34.847	26.305	0.638
190.	12.850	34.870	26.323	0.656
200.	12.582	34.862	26.370	0.673
250.	11.759	34.816	26.493	0.755
300.	11.026	34.786	26.604	0.831
350.	10.514	34.754	26.671	0.904
400.	9.505	34.681	26.786	0.974
450.	8.730	34.654	26.891	1.038
500.	7.922	34.611	26.980	1.097
507.	7.827	34.606	26.990	1.106

CAST EP1-85-DI-003 DATE 28 APR 85 TIME 1410 GMT
LAT 00 55.6N LONG 140 17.6W

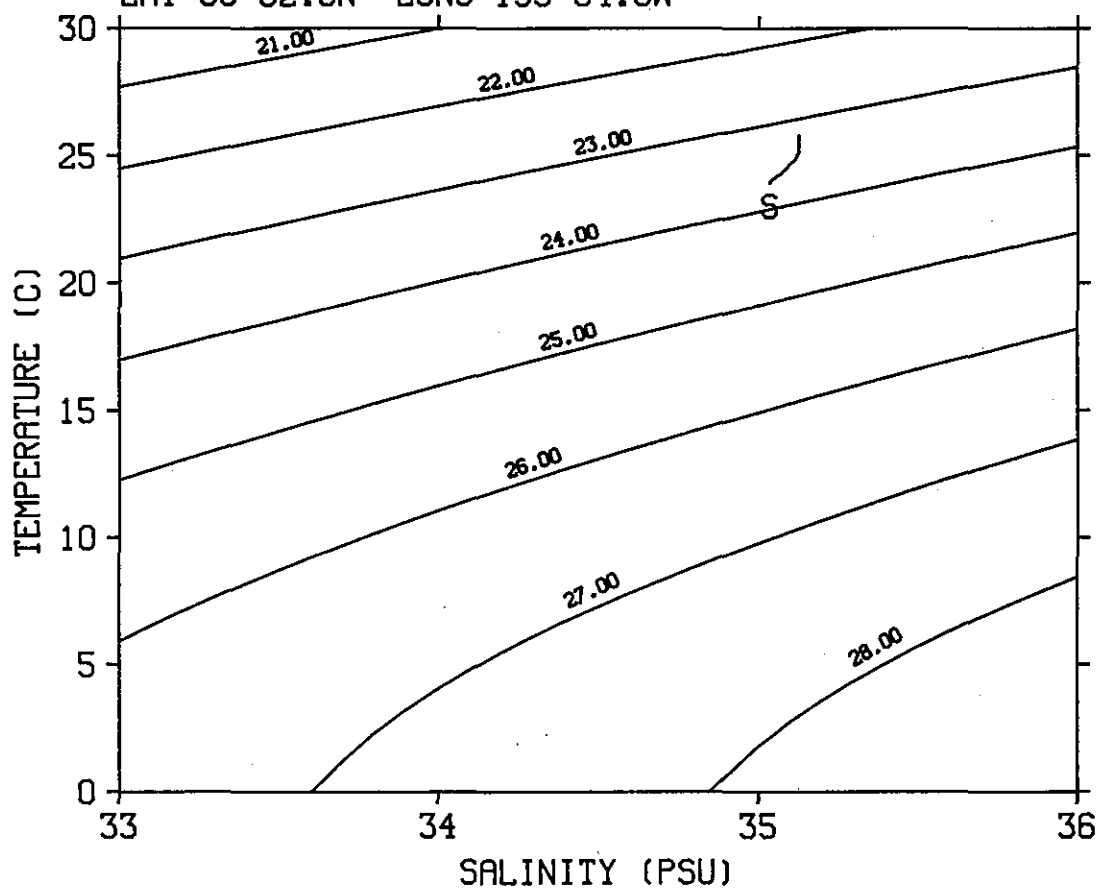


CAST EP1-85-DI-003 DATE 28 APR 85 TIME 1410 GMT
 LAT 00 55.6N LONG 140 17.6W WEATHER 1 SEA STATE 2
 BAROMETER 09 WIND DIR 045 T SPD 08 KT VISIBILITY 8
 CLOUD 6 AMOUNT 6 DRY 25.3 WET 24.3 DEPTH 4037 M

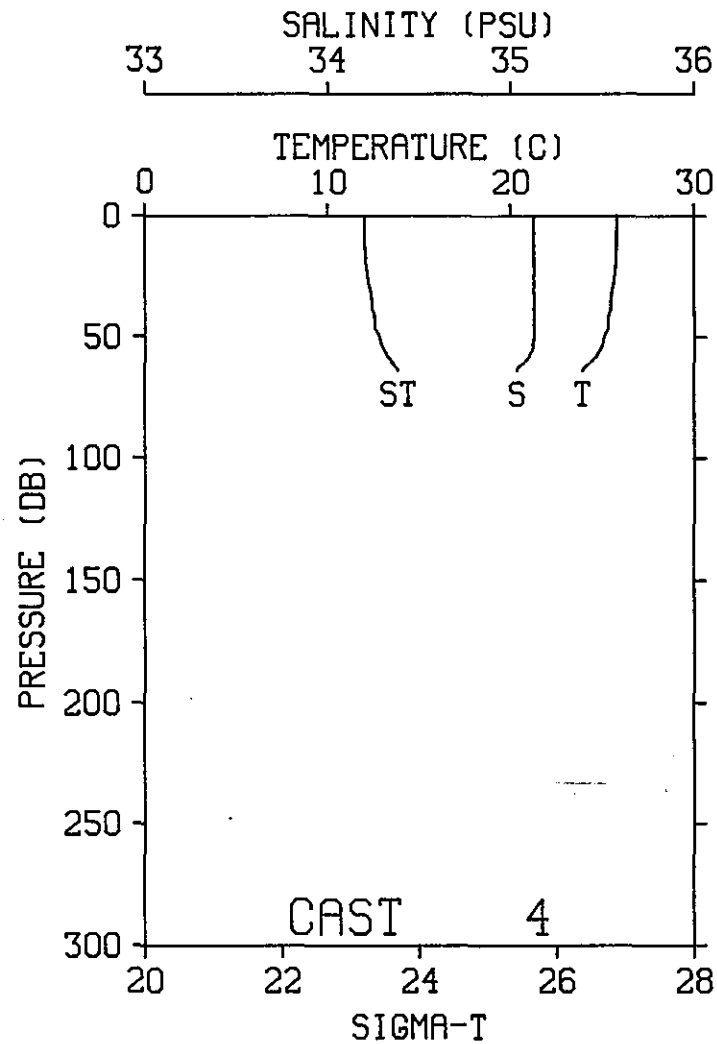


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.899	35.091	23.135	0.000
10.	25.869	35.087	23.142	0.047
20.	25.743	35.075	23.172	0.094
30.	25.657	35.059	23.186	0.141
40.	25.488	35.023	23.211	0.188
50.	25.321	34.986	23.235	0.235
60.	25.181	34.990	23.280	0.281
70.	24.851	34.976	23.370	0.327
80.	24.060	34.958	23.594	0.371
90.	23.112	34.938	23.856	0.413
100.	21.166	34.871	24.352	0.452
110.	18.542	34.831	25.009	0.485
120.	16.620	34.782	25.437	0.513
130.	14.779	34.763	25.838	0.536
140.	14.045	34.806	26.029	0.557
150.	13.483	34.817	26.153	0.576
160.	13.233	34.827	26.212	0.595
170.	12.938	34.842	26.284	0.613
180.	12.637	34.855	26.354	0.630
190.	12.437	34.858	26.395	0.647
200.	12.297	34.847	26.414	0.664
250.	11.733	34.821	26.501	0.745
300.	11.231	34.795	26.574	0.822
350.	10.414	34.747	26.684	0.896
400.	9.450	34.694	26.806	0.965
450.	8.689	34.654	26.897	1.028
500.	8.153	34.624	26.956	1.089
505.	8.087	34.619	26.962	1.094

CAST EP1-85-DI-004 DATE 29 APR 85 TIME 1050 GMT
LAT 00 02.0N LONG 139 54.0W

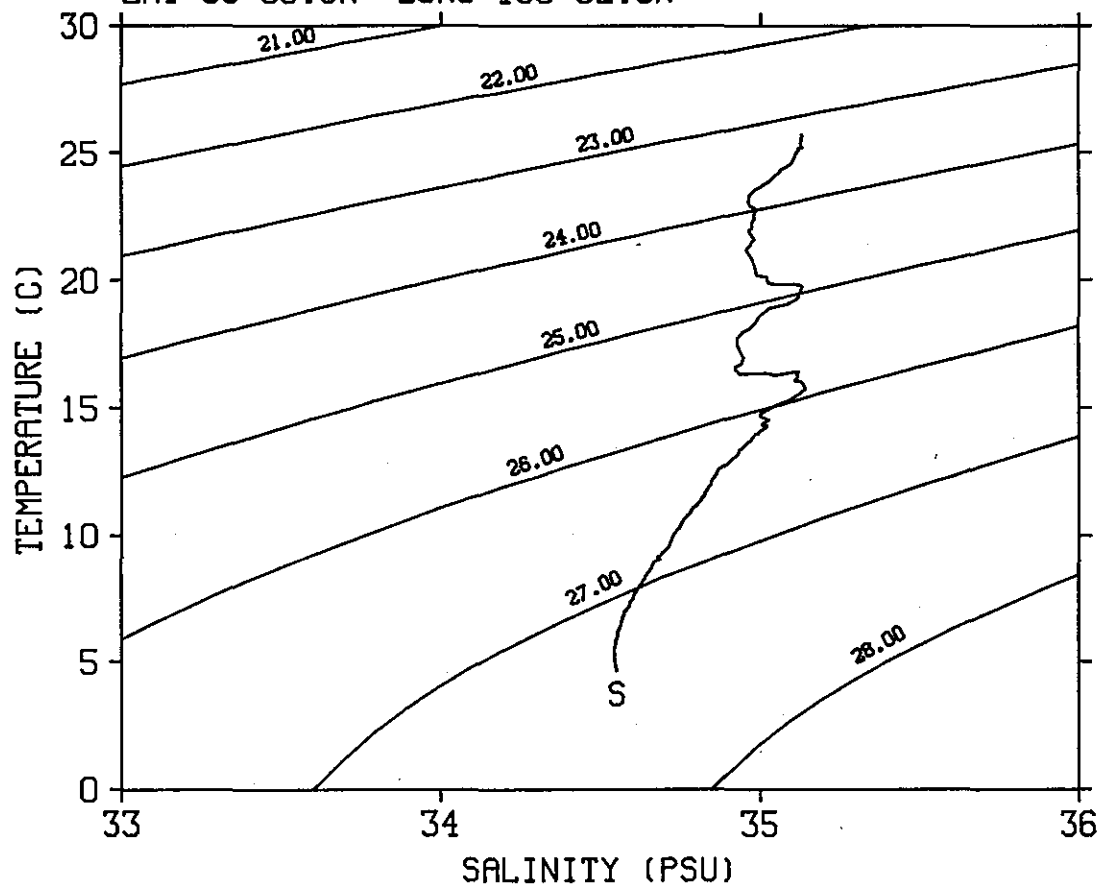


CAST EP1-85-DI-004 DATE 29 APR 85 TIME 1050 GMT
 LAT 00 02.0N LONG 139 54.0W WEATHER 1 SEA STATE 2
 BAROMETER 08 WIND DIR 075 T SPD 14 KT VISIBILITY 5
 CLOUD 8 AMOUNT 5 DRY 26.5 WET 24.5 DEPTH 4243 M

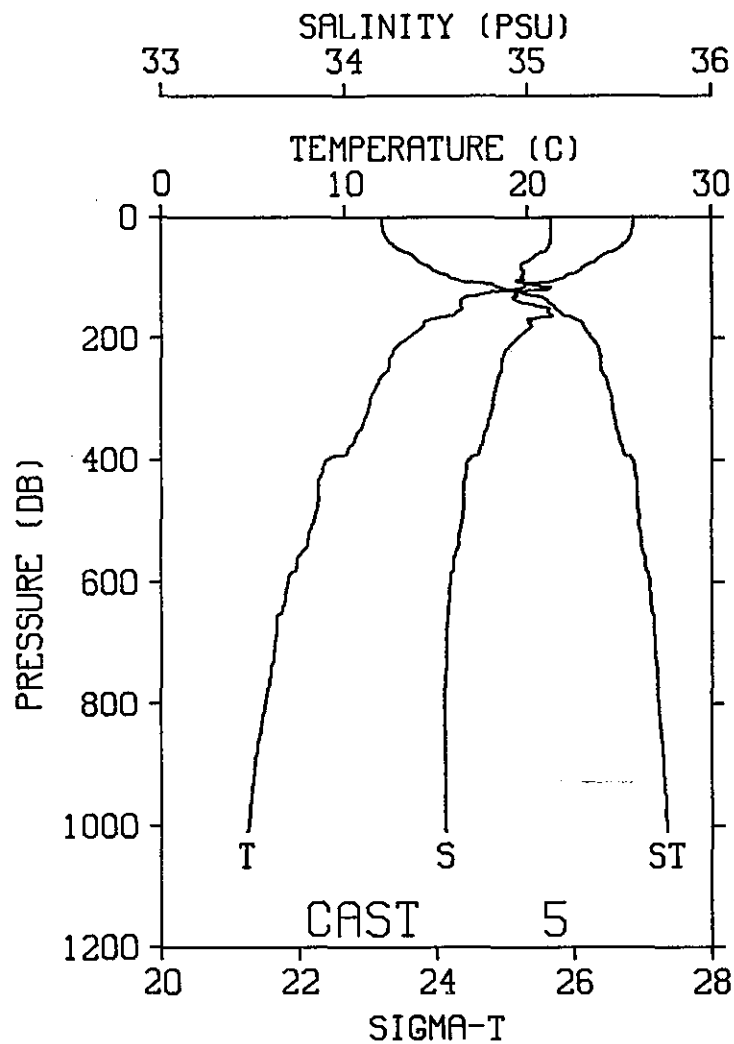


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.780	35.127	23.200	0.000
10.	25.758	35.126	23.206	0.047
20.	25.699	35.125	23.223	0.093
30.	25.534	35.125	23.274	0.139
40.	25.354	35.130	23.333	0.185
50.	25.081	35.126	23.413	0.231
60.	24.387	35.077	23.586	0.275
64.	23.911	35.033	23.694	0.292

CAST EP1-85-DI-005 DATE 29 APR 85 TIME 1303 GMT
LAT 00 03.6N LONG 139 52.9W

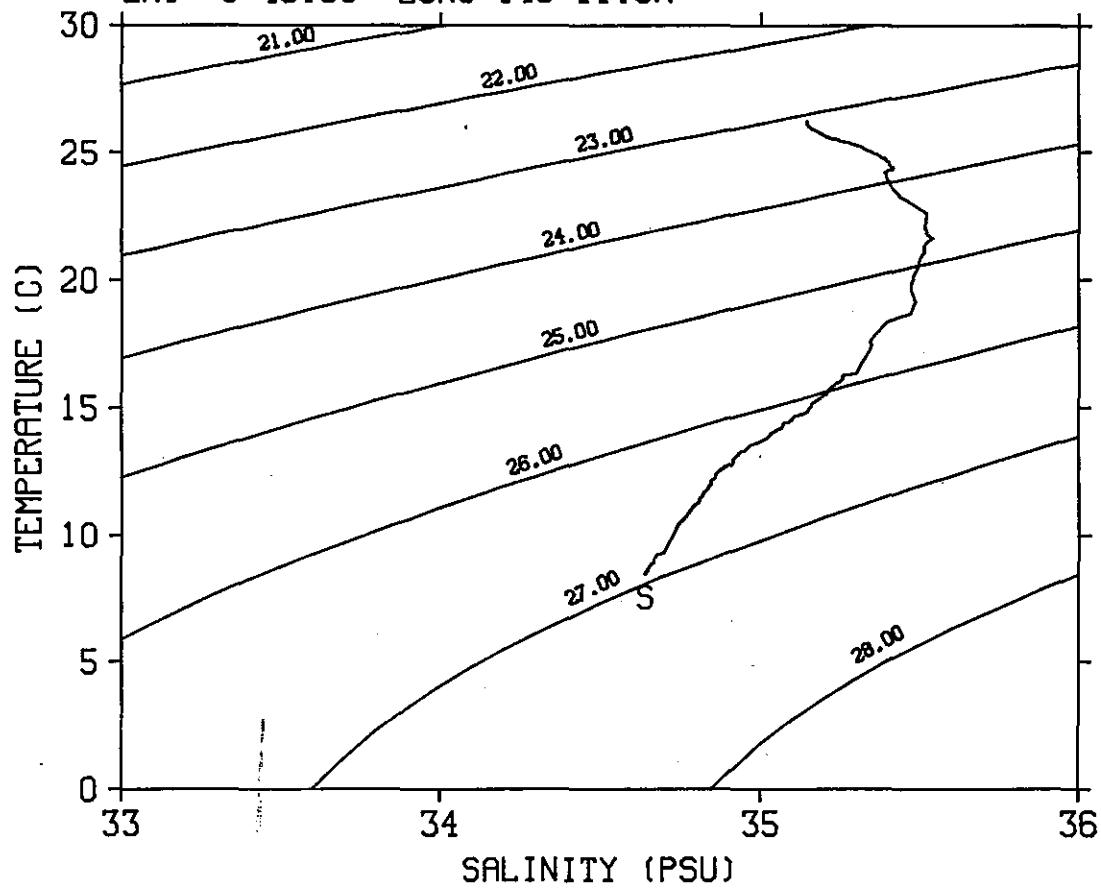


CAST EP1-85-DI-005 DATE 29 APR 85 TIME 1303 GMT
 LAT 00 03.6N LONG 139 52.9W WEATHER 1 SEA STATE 2
 BAROMETER 07 WIND DIR 069 T SPD 14 KT VISIBILITY 8
 CLOUD 7 AMOUNT 2 DRY 26.1 WET 24.0 DEPTH 4197 M

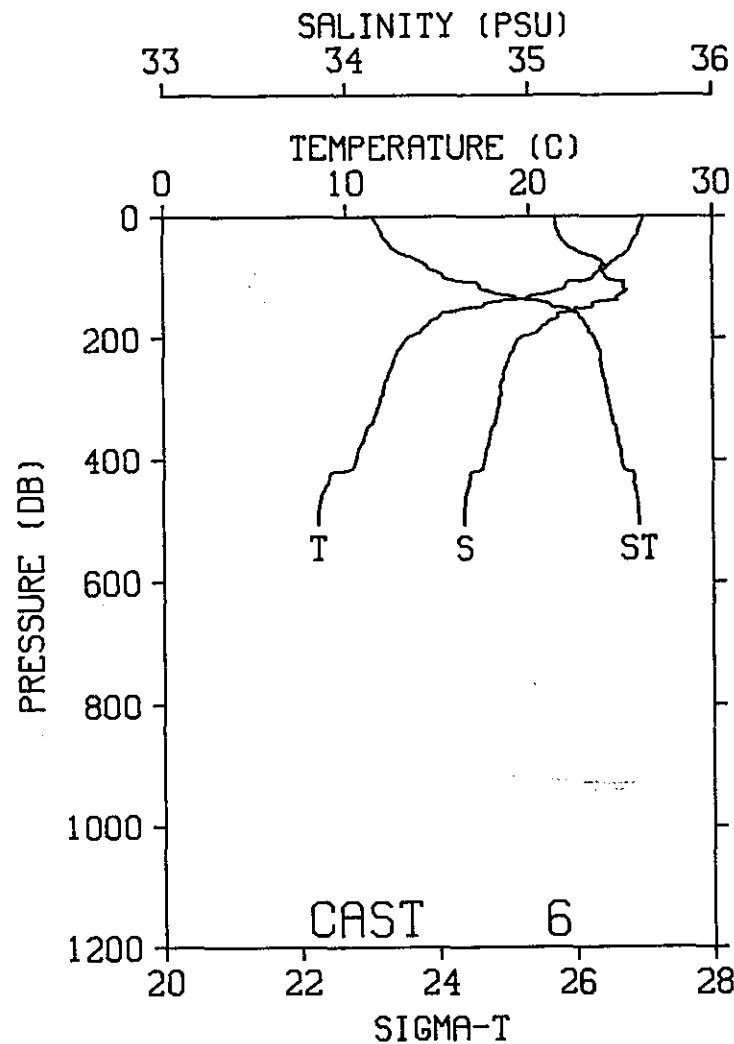


Pressure (DB)	Temperature (C)	Salinity (PSU)	Sigma-T	Delta-D (DYN M)
0.	25.739	35.128	23.213	0.000
10.	25.740	35.127	23.212	0.047
20.	25.687	35.128	23.229	0.093
30.	25.595	35.129	23.258	0.139
40.	25.408	35.125	23.313	0.185
50.	25.006	35.113	23.427	0.231
60.	24.291	35.063	23.604	0.275
70.	23.777	35.013	23.718	0.317
80.	23.085	34.961	23.881	0.358
90.	22.682	34.982	24.013	0.398
100.	21.941	34.961	24.206	0.436
110.	20.146	35.016	24.737	0.472
120.	18.873	35.024	25.073	0.502
130.	16.963	34.947	25.483	0.530
140.	16.329	34.957	25.639	0.554
150.	16.426	35.120	25.742	0.577
160.	16.033	35.121	25.834	0.600
170.	14.598	35.009	26.068	0.620
180.	14.254	35.022	26.151	0.640
190.	13.878	34.981	26.199	0.658
200.	13.445	34.945	26.261	0.677
250.	12.389	34.860	26.406	0.762
300.	11.399	34.813	26.558	0.842
350.	10.864	34.777	26.627	0.918
400.	9.040	34.681	26.862	0.988
450.	8.523	34.647	26.918	1.049
500.	8.303	34.637	26.944	1.109
550.	7.676	34.607	27.013	1.167
600.	6.878	34.572	27.098	1.222
650.	6.503	34.564	27.143	1.273
700.	6.169	34.553	27.178	1.322
750.	5.906	34.548	27.208	1.370
800.	5.650	34.544	27.236	1.417
850.	5.353	34.543	27.271	1.463
900.	5.069	34.544	27.306	1.506
950.	4.877	34.546	27.330	1.549
1000.	4.726	34.547	27.348	1.590
1010.	4.639	34.549	27.359	1.599

CAST EP1-85-DI-006 DATE 29 APR 85 TIME 2031 GMT
LAT 0 43.9S LONG 140 11.9W

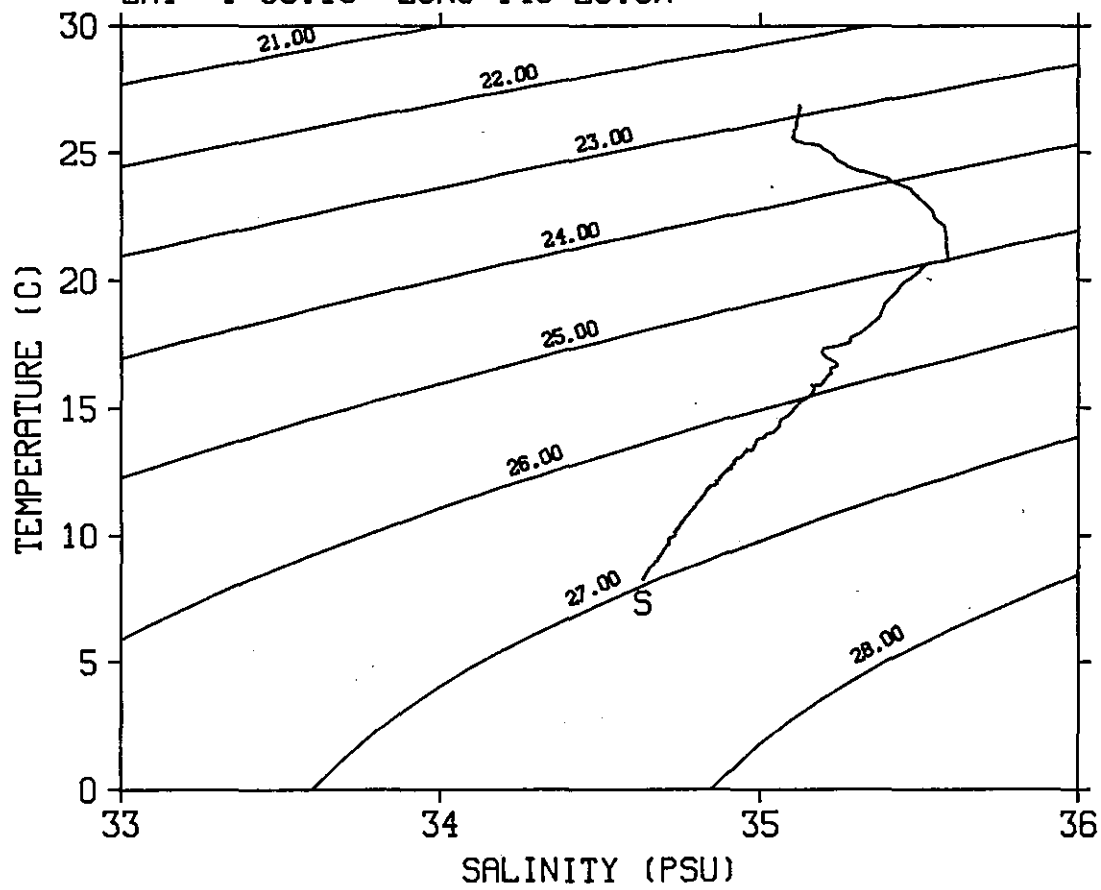


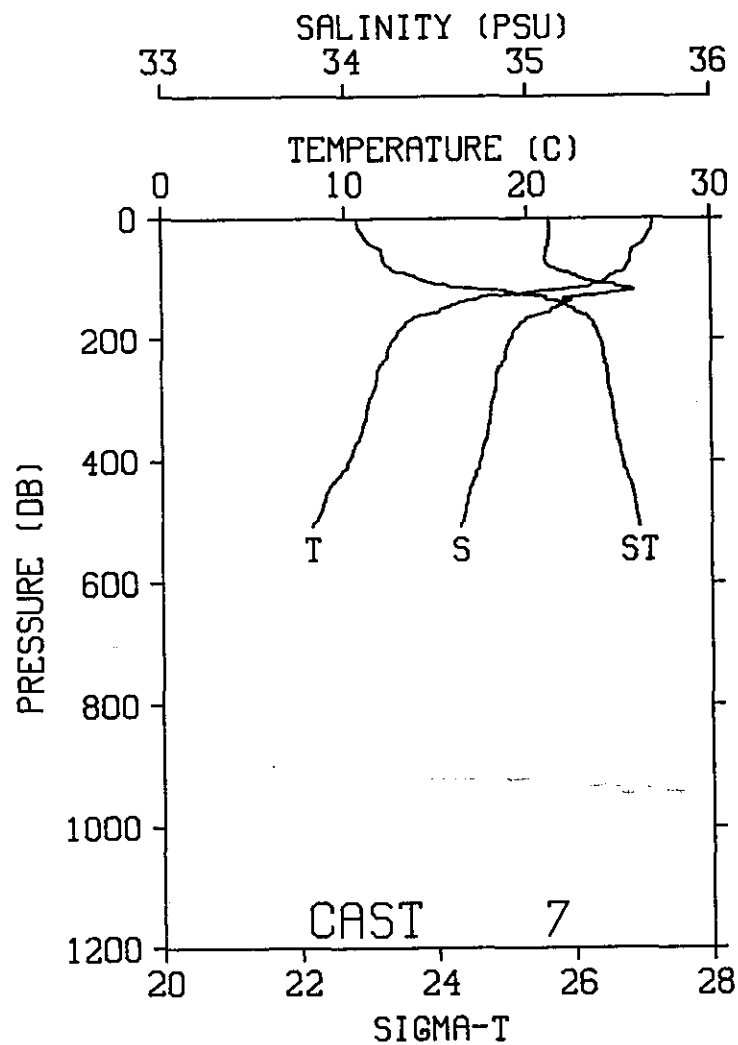
CAST EP1-85-DI-006 DATE 29 APR 85 TIME 2031 GMT
 LAT 0 43.9S LONG 140 11.9W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 085 T SPD 16 KT VISIBILITY 8
 CLOUD 8 AMOUNT 4 DRY 27.3 WET 24.9 DEPTH 4224 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.249	35.143	23.065	0.000
10.	26.123	35.143	23.104	0.048
20.	25.994	35.149	23.150	0.095
30.	25.860	35.168	23.206	0.142
40.	25.714	35.190	23.267	0.189
50.	25.549	35.219	23.340	0.234
60.	25.311	35.289	23.466	0.279
70.	24.777	35.382	23.700	0.323
80.	24.319	35.405	23.855	0.364
90.	23.844	35.402	23.993	0.404
100.	23.541	35.419	24.095	0.443
110.	22.060	35.515	24.594	0.479
120.	21.753	35.528	24.690	0.513
130.	20.121	35.480	25.097	0.544
140.	17.886	35.361	25.578	0.571
150.	16.326	35.296	25.901	0.594
160.	15.135	35.158	26.065	0.615
170.	14.707	35.122	26.131	0.635
180.	14.353	35.068	26.165	0.654
190.	14.051	35.042	26.210	0.672
200.	13.298	34.948	26.293	0.691
250.	12.457	34.867	26.398	0.776
300.	11.853	34.835	26.489	0.858
350.	11.075	34.790	26.599	0.937
400.	10.491	34.751	26.673	1.011
450.	8.795	34.661	26.886	1.077
500.	8.454	34.644	26.925	1.138
507.	8.437	34.643	26.927	1.146

CAST EP1-85-DI-007 DATE 30 APR 85 TIME 0231 GMT
LAT 1 30.1S LONG 140 25.5W

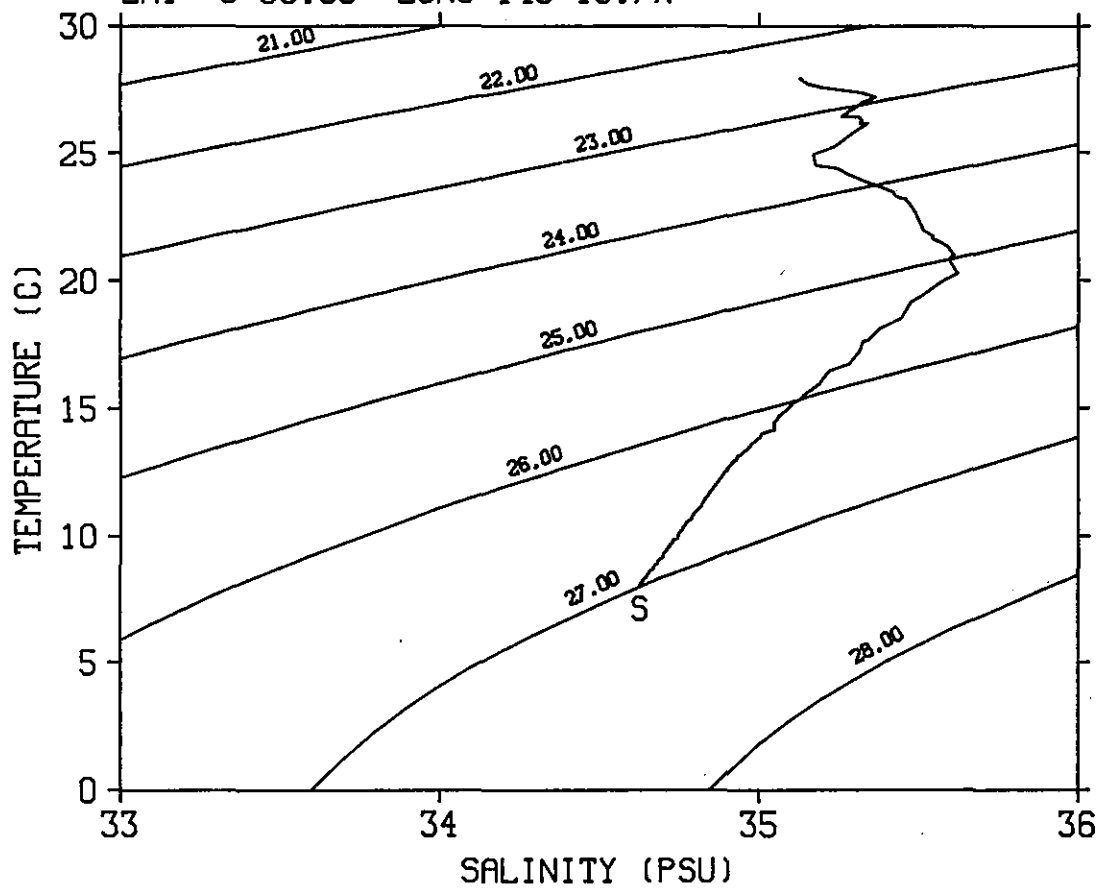




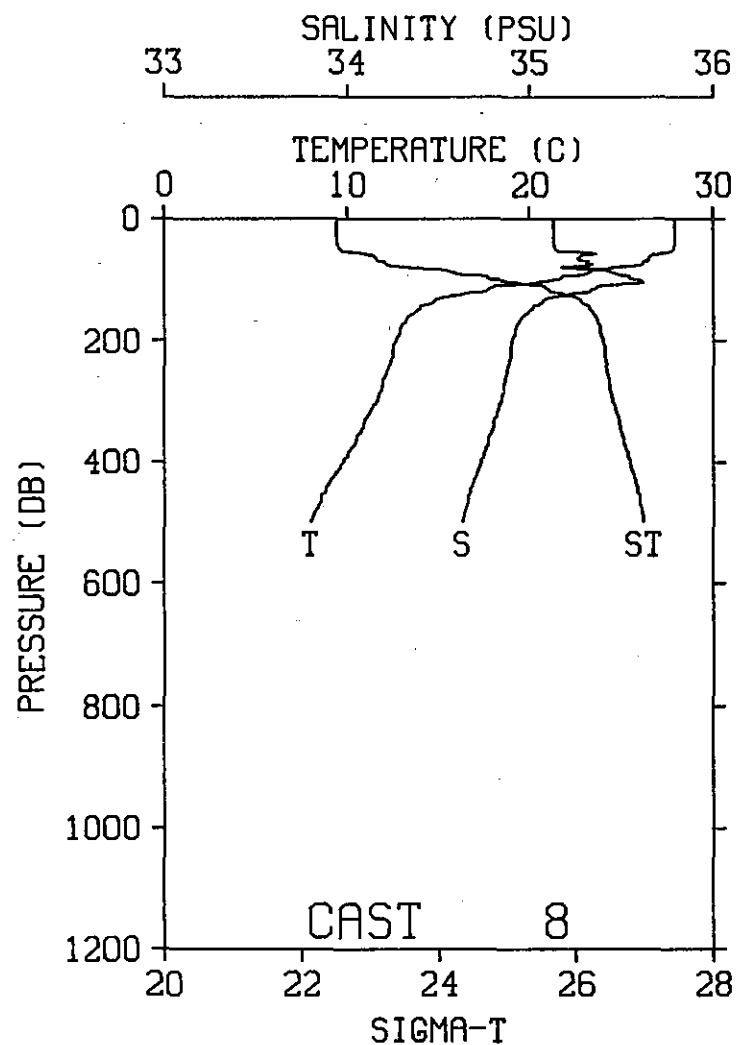
CAST EP1-85-DI-007 DATE 30 APR 85 TIME 0231 GMT
 LAT 1 30.1S LONG 140 25.5W WEATHER 1 SEA STATE 4
 BAROMETER 07 WIND DIR 060 T SPD 17 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 28.8 WET 25.0 DEPTH 4371 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.862	35.123	22.856	0.000
10.	26.851	35.123	22.860	0.050
20.	26.726	35.123	22.900	0.100
30.	26.541	35.120	22.956	0.149
40.	26.330	35.117	23.020	0.198
50.	25.797	35.105	23.177	0.246
60.	25.638	35.101	23.224	0.292
70.	25.595	35.101	23.237	0.339
80.	25.415	35.122	23.308	0.385
90.	24.970	35.223	23.521	0.431
100.	24.347	35.299	23.766	0.473
110.	23.480	35.476	24.156	0.514
120.	20.656	35.532	24.994	0.548
130.	17.517	35.281	25.606	0.576
140.	16.246	35.210	25.853	0.599
150.	15.238	35.125	26.017	0.620
160.	14.216	35.058	26.187	0.640
170.	13.481	34.980	26.281	0.658
180.	13.234	34.947	26.306	0.676
190.	12.882	34.917	26.353	0.693
200.	12.678	34.907	26.385	0.710
250.	11.856	34.839	26.492	0.792
300.	11.335	34.809	26.566	0.870
350.	10.930	34.781	26.618	0.946
400.	10.196	34.735	26.712	1.018
450.	9.049	34.679	26.859	1.085
500.	8.328	34.640	26.942	1.147
507.	8.230	34.634	26.952	1.155

CAST EP1-85-DI-008 DATE 30 APR 85 TIME 1347 GMT
LAT 3 06.3S LONG 140 19.7W

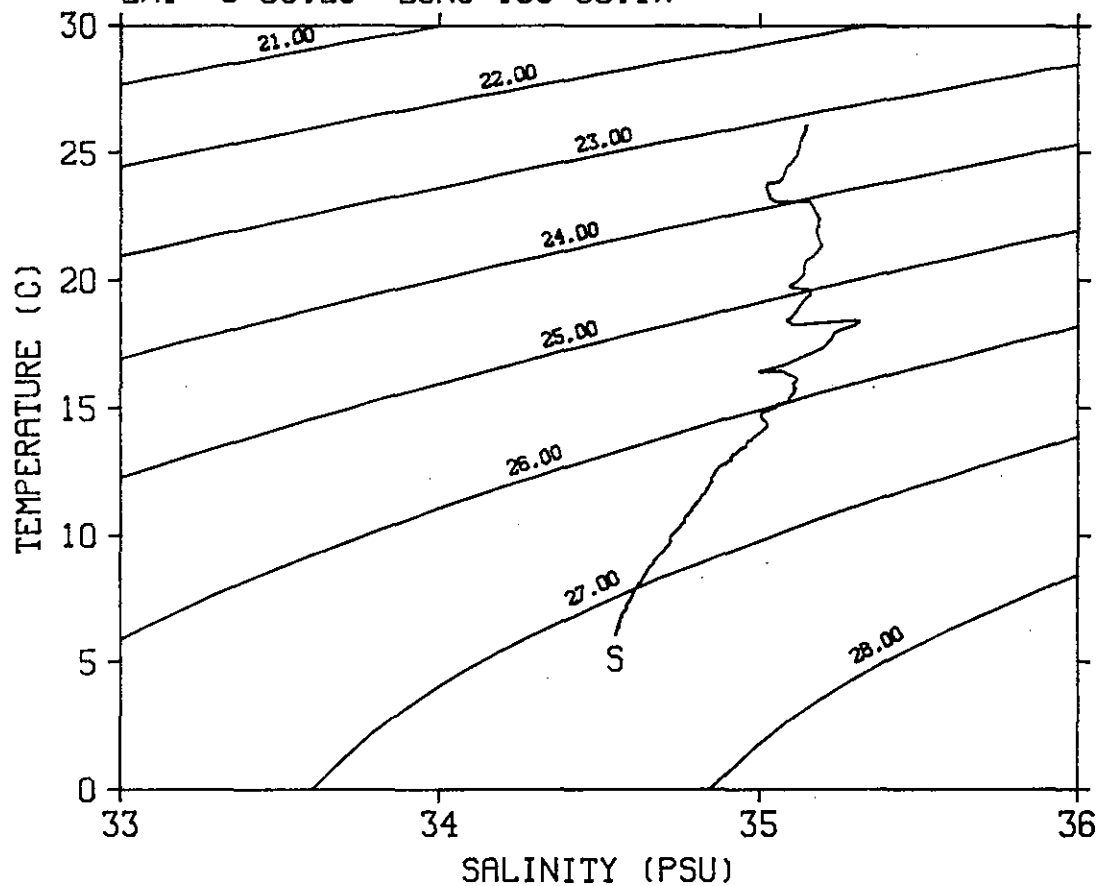


CAST EP1-85-DI-008 DATE 30 APR 85 TIME 1347 GMT
 LAT 3 06.3S LONG 140 19.7W WEATHER 1 SEA STATE 3
 BAROMETER 08 WIND DIR 046 T SPD 20 KT VISIBILITY 7
 CLOUD 9 AMOUNT 5 DRY 27.2 WET 24.5 DEPTH 4222 M

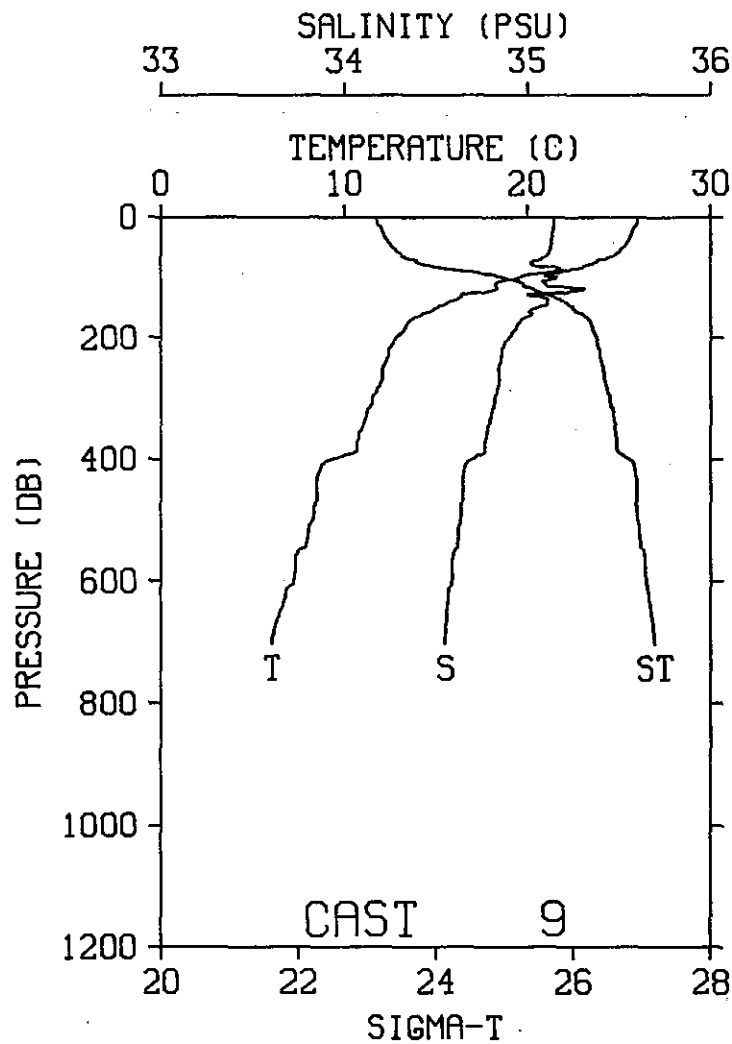


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.920	35.130	22.521	0.000
10.	27.920	35.130	22.521	0.053
20.	27.922	35.130	22.520	0.106
30.	27.921	35.130	22.520	0.160
40.	27.903	35.131	22.527	0.213
50.	27.819	35.139	22.560	0.266
60.	26.697	35.288	23.033	0.317
70.	26.240	35.324	23.205	0.365
80.	24.536	35.176	23.617	0.411
90.	23.105	35.465	24.257	0.450
100.	21.283	35.594	24.870	0.483
110.	18.188	35.390	25.525	0.511
120.	17.199	35.311	25.707	0.536
130.	15.080	35.098	26.031	0.557
140.	14.422	35.044	26.132	0.576
150.	13.796	34.995	26.227	0.595
160.	13.307	34.957	26.298	0.613
170.	13.130	34.937	26.319	0.630
180.	12.892	34.919	26.352	0.648
190.	12.803	34.912	26.365	0.665
200.	12.619	34.900	26.392	0.681
250.	12.176	34.876	26.460	0.764
300.	11.637	34.844	26.537	0.843
350.	10.748	34.789	26.657	0.918
400.	9.775	34.731	26.781	0.988
450.	8.790	34.672	26.895	1.052
498.	8.007	34.628	26.981	1.109

CAST EP1-85-D1-009 DATE 02 MAY 85 TIME 0423 GMT
LAT 0 00.2S LONG 139 00.1W

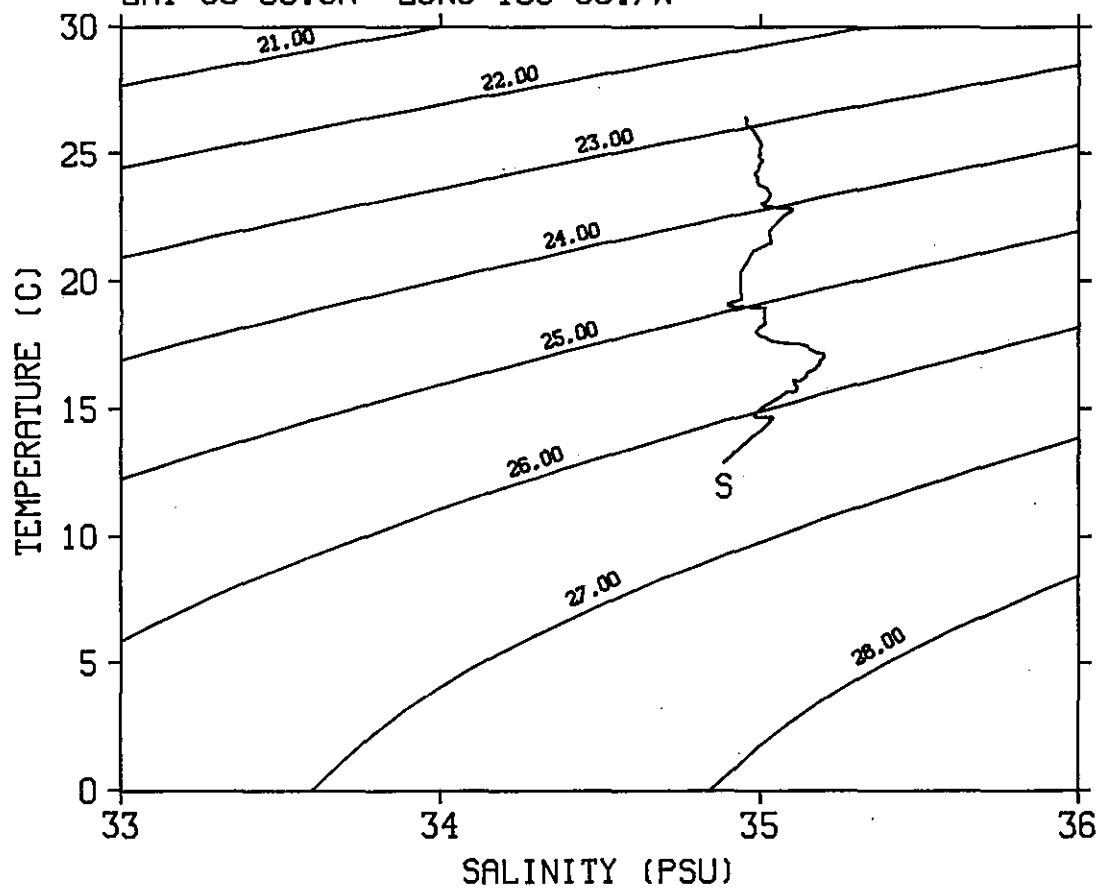


CAST EP1-85-DI-009 DATE 02 MAY 85 TIME 0423 GMT
 LAT 0 00.2S LONG 139 00.1W WEATHER 1 SEA STATE 4
 BAROMETER 10 WIND DIR 090 T SPD 16 KT VISIBILITY 8
 CLOUD 8 AMOUNT 1 DRY 25.8 WET 24.3 DEPTH 4224 M

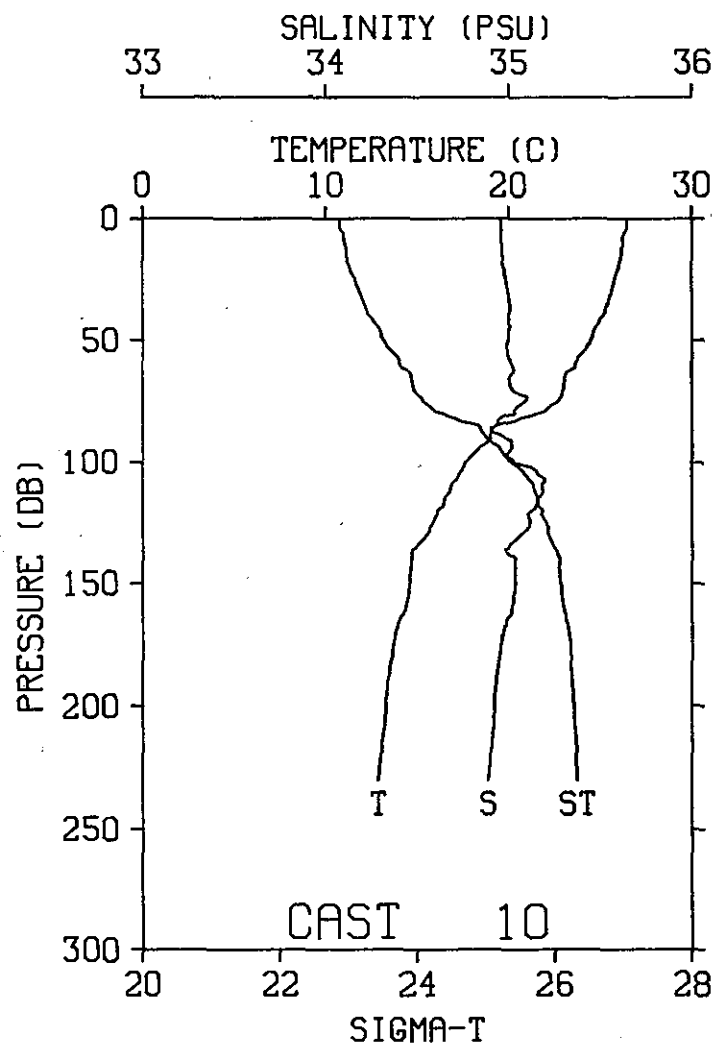


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.056	35.149	23.130	0.000
10.	25.989	35.145	23.149	0.047
20.	25.758	35.141	23.217	0.094
30.	25.643	35.137	23.249	0.141
40.	25.461	35.131	23.301	0.187
50.	25.225	35.124	23.368	0.232
60.	24.853	35.118	23.477	0.277
70.	24.007	35.077	23.699	0.320
80.	23.160	35.042	23.921	0.362
90.	21.658	35.188	24.457	0.400
100.	19.607	35.165	24.992	0.431
110.	18.298	35.102	25.277	0.460
120.	18.242	35.302	25.444	0.486
130.	16.425	35.032	25.675	0.511
140.	15.760	35.113	25.890	0.533
150.	15.104	35.057	25.994	0.554
160.	14.306	35.029	26.145	0.574
170.	13.640	34.965	26.236	0.593
180.	13.369	34.944	26.275	0.611
190.	13.161	34.921	26.300	0.629
200.	12.873	34.898	26.340	0.646
250.	12.140	34.847	26.444	0.730
300.	11.536	34.822	26.539	0.810
350.	10.972	34.788	26.616	0.886
400.	9.335	34.701	26.830	0.959
450.	8.493	34.646	26.921	1.020
500.	8.272	34.637	26.948	1.080
550.	7.490	34.598	27.033	1.138
600.	7.234	34.587	27.061	1.192
650.	6.508	34.563	27.141	1.244
700.	6.043	34.550	27.192	1.293
704.	6.038	34.551	27.193	1.297

CAST EP1-85-DI-010 DATE 02 MAY 85 TIME 2351 GMT
LAT 00 00.3N LONG 135 00.7W

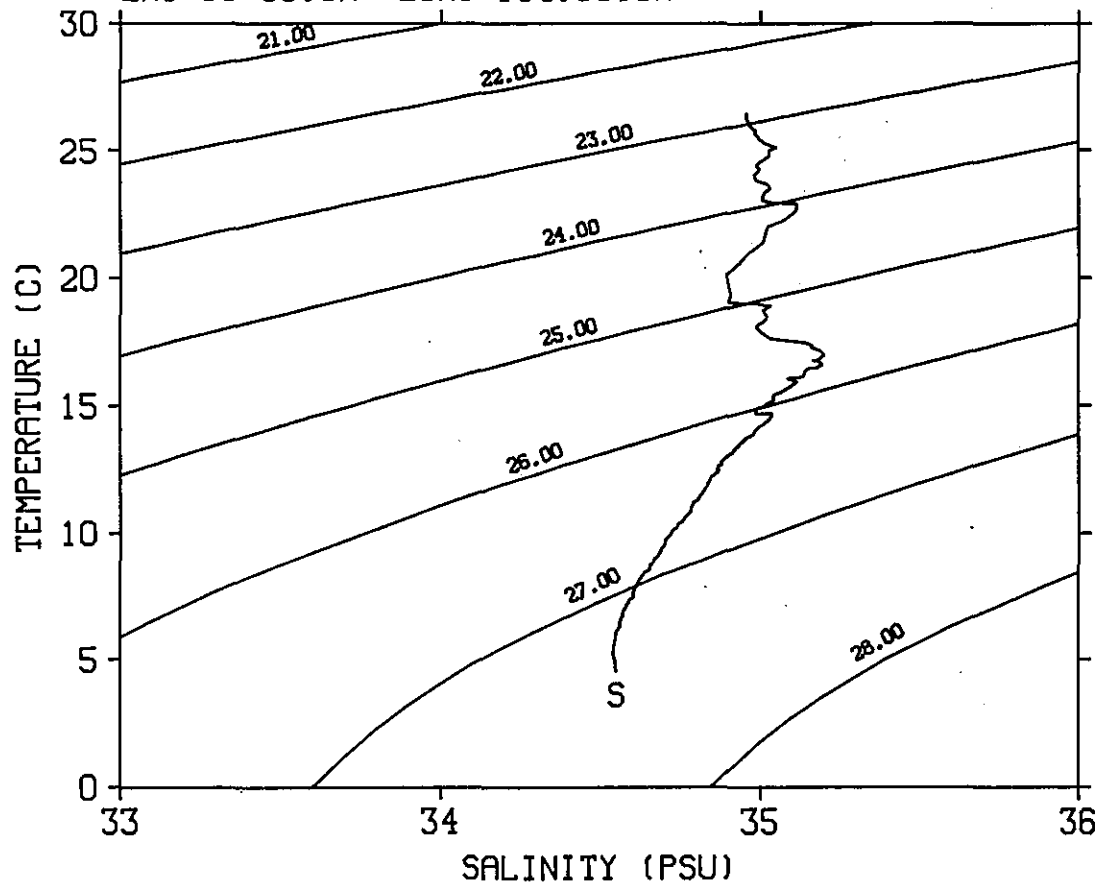


CAST EP1-85-DI-010 DATE 02 MAY 85 TIME 2351 GMT
 LAT 00 00.3N LONG 135 00.7W WEATHER 1 SEA STATE 4
 BAROMETER 07 WIND DIR 090 T SPD 18 KT VISIBILITY 8
 CLOUD 7 AMOUNT 2 DRY 27.0 WET 25.2 DEPTH 4278 M

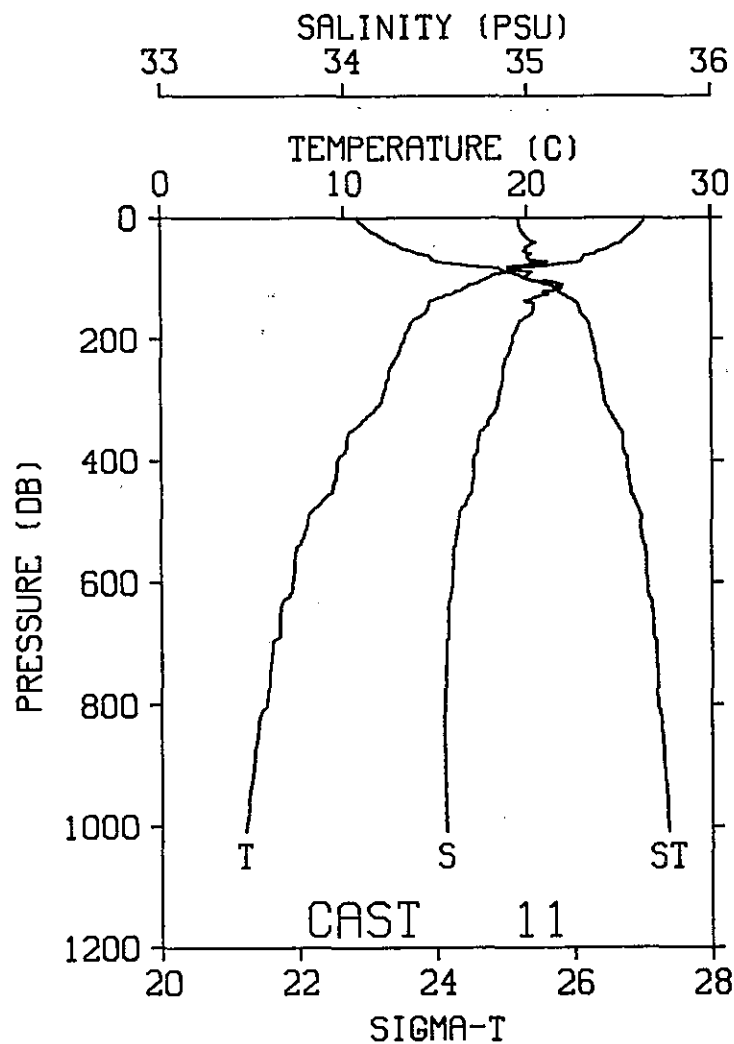


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.436	34.956	22.865	0.000
10.	26.185	34.958	22.945	0.050
20.	25.992	34.973	23.018	0.098
30.	25.576	34.995	23.163	0.146
40.	25.115	34.999	23.307	0.193
50.	24.451	34.995	23.505	0.237
60.	23.652	35.020	23.761	0.280
70.	22.965	35.022	23.962	0.320
80.	21.492	35.035	24.387	0.358
90.	18.952	34.976	25.016	0.390
100.	17.644	35.034	25.386	0.418
110.	16.811	35.184	25.701	0.442
120.	16.062	35.123	25.829	0.465
130.	15.460	35.061	25.918	0.487
140.	14.665	35.035	26.073	0.507
150.	14.579	35.037	26.093	0.527
160.	14.341	35.015	26.127	0.546
170.	13.809	34.969	26.204	0.565
180.	13.589	34.946	26.232	0.583
190.	13.406	34.932	26.259	0.601
200.	13.265	34.918	26.277	0.619
230.	12.872	34.887	26.331	0.672

CAST EP1-85-DI-011 DATE 03 MAY 85 TIME 0139 GMT
LAT 00 00.6N LONG 134.56.5W

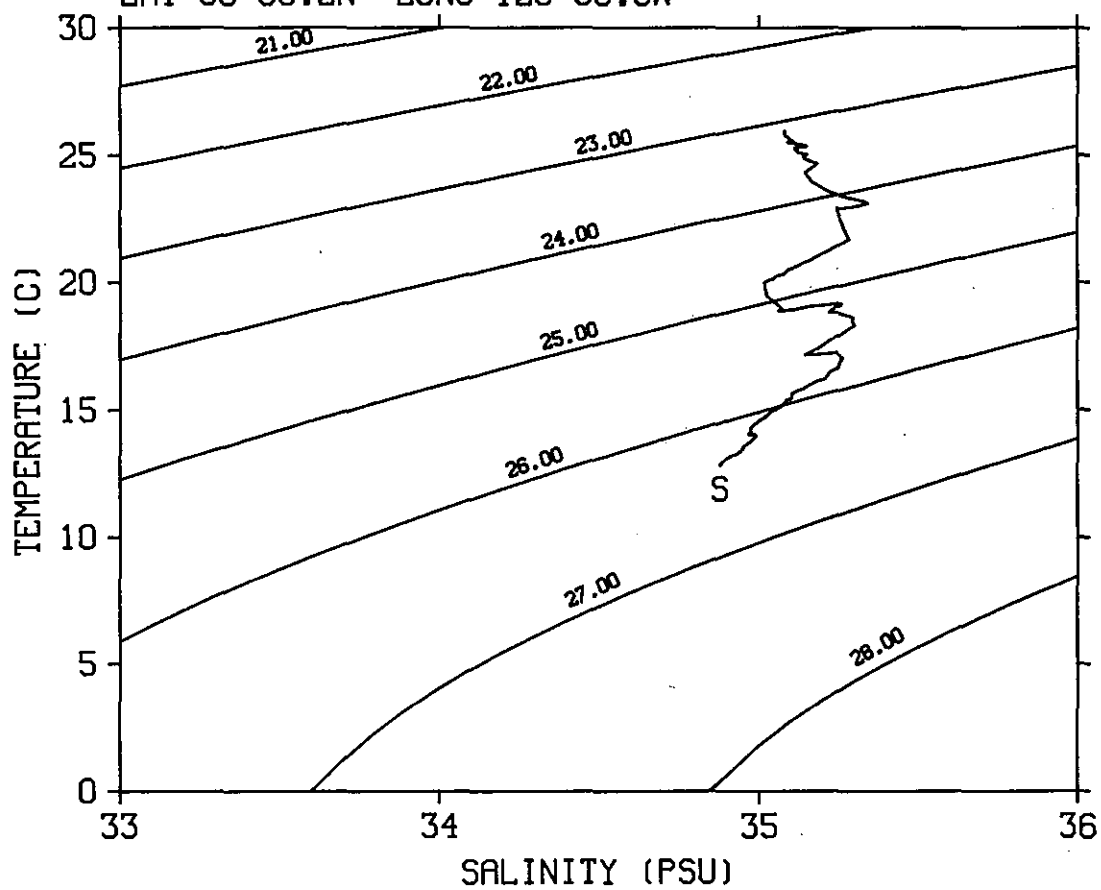


CAST EP1-85-DI-011 DATE 03 MAY 85 TIME 0139 GMT
 LAT 00 00.6N LONG 134.56.5W WEATHER 1 SEA STATE 4
 BAROMETER 07 WIND DIR 090 T SPD 14 KT VISIBILITY 8
 CLOUD 7 AMOUNT 2 DRY 27.0 WET 24.9 DEPTH 3926 M

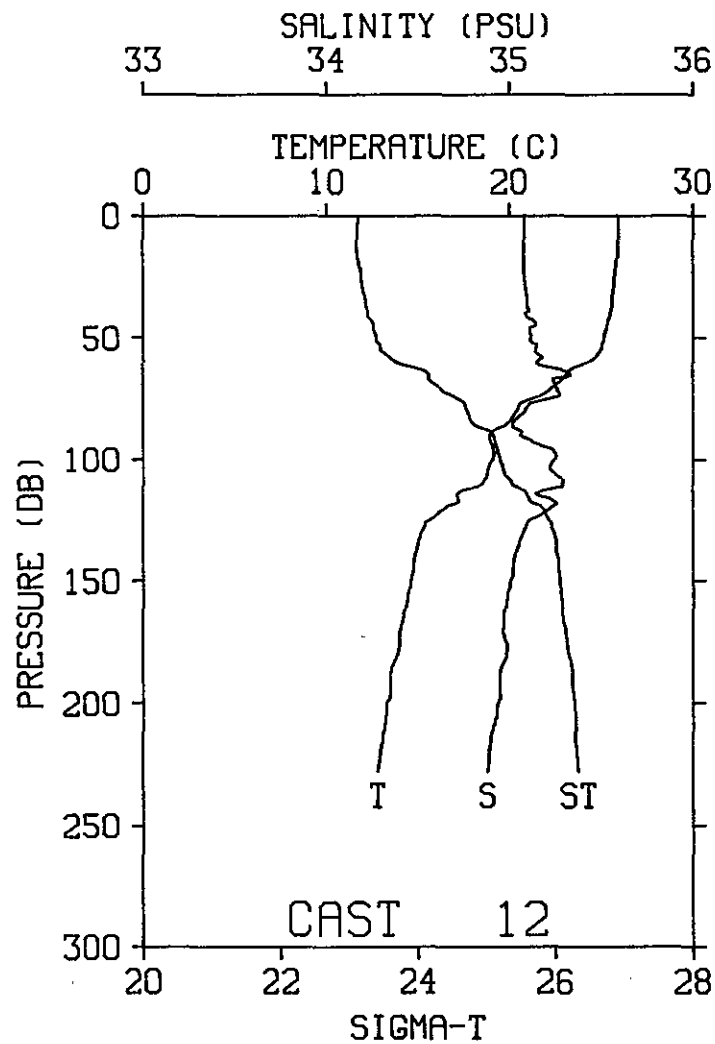


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.421	34.957	22.871	0.000
10.	26.238	34.957	22.929	0.050
20.	25.926	34.972	23.038	0.098
30.	25.478	34.997	23.195	0.146
40.	25.156	35.041	23.327	0.192
50.	24.407	34.989	23.513	0.237
60.	23.527	35.030	23.805	0.280
70.	22.941	35.040	23.982	0.320
80.	20.223	34.905	24.632	0.356
90.	18.688	35.009	25.108	0.387
100.	17.775	35.014	25.339	0.414
110.	16.954	35.201	25.680	0.439
120.	16.138	35.136	25.822	0.462
130.	15.373	35.042	25.922	0.484
140.	14.671	35.036	26.072	0.504
150.	14.547	35.033	26.097	0.523
160.	14.265	35.014	26.143	0.543
170.	13.700	34.956	26.217	0.561
180.	13.543	34.944	26.239	0.580
190.	13.360	34.932	26.268	0.598
200.	13.267	34.920	26.278	0.616
250.	12.480	34.865	26.392	0.703
300.	12.056	34.843	26.457	0.786
350.	10.439	34.756	26.686	0.863
400.	9.619	34.703	26.785	0.932
450.	9.324	34.690	26.824	0.998
500.	8.012	34.622	26.976	1.058
550.	7.338	34.593	27.051	1.115
600.	7.174	34.586	27.069	1.169
650.	6.476	34.564	27.146	1.221
700.	6.050	34.551	27.192	1.271
750.	5.883	34.550	27.212	1.318
800.	5.724	34.547	27.229	1.365
850.	5.229	34.544	27.287	1.410
900.	5.005	34.546	27.315	1.453
950.	4.731	34.550	27.349	1.495
1000.	4.564	34.550	27.368	1.535
1010.	4.511	34.552	27.376	1.543

CAST EP1-85-DI-012 DATE 04 MAY 85 TIME 0111 GMT
LAT 00 00.2N LONG 129 58.9W

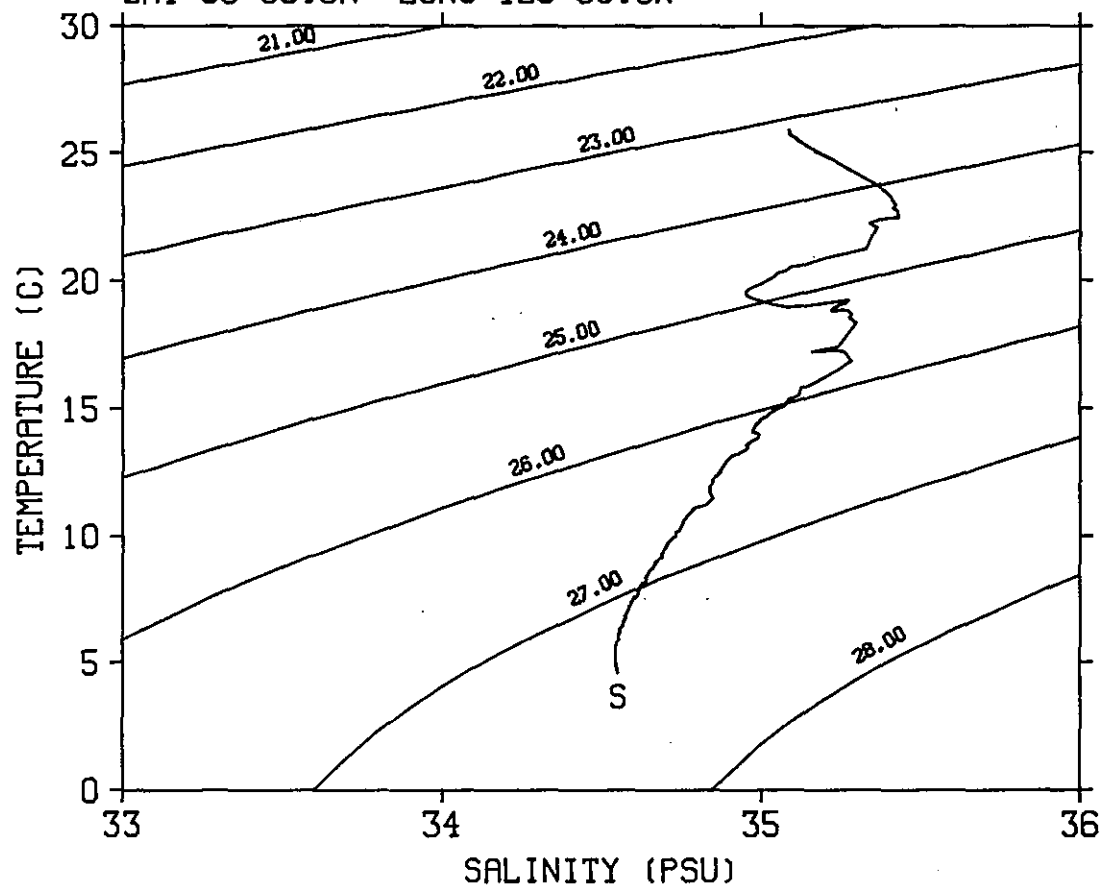


CAST EP1-85-DI-012 DATE 04 MAY 85 TIME 0111 GMT
 LAT 00 00.2N LONG 129 58.9W WEATHER 1 SEA STATE 4
 BAROMETER 07 WIND DIR 068 T SPD 16 KT VISIBILITY 8
 CLOUD 9 AMOUNT 4 DRY 27.5 WET 24.9 DEPTH 4298 M

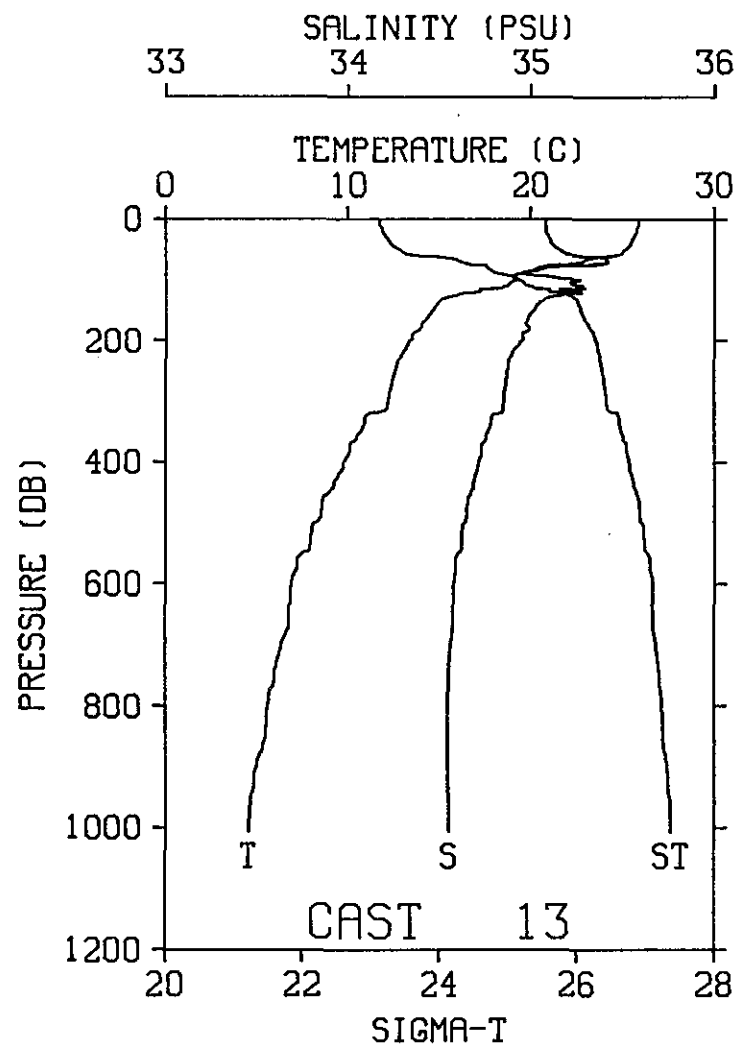


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.907	35.079	23.124	0.000
10.	25.937	35.081	23.116	0.047
20.	25.818	35.080	23.152	0.095
30.	25.664	35.091	23.208	0.142
40.	25.490	35.090	23.261	0.188
50.	25.138	35.119	23.391	0.234
60.	24.289	35.143	23.665	0.278
70.	22.420	35.256	24.295	0.316
80.	20.394	35.086	24.724	0.350
90.	18.865	35.060	25.102	0.381
100.	19.049	35.246	25.198	0.410
110.	18.501	35.288	25.369	0.437
120.	16.482	35.224	25.810	0.461
130.	15.195	35.076	25.988	0.482
140.	14.806	35.029	26.037	0.502
150.	14.596	35.006	26.066	0.522
160.	14.346	34.981	26.099	0.542
170.	14.037	34.967	26.155	0.561
180.	13.892	34.985	26.199	0.580
190.	13.474	34.946	26.256	0.598
200.	13.271	34.935	26.288	0.616
228.	12.804	34.879	26.339	0.665

CAST EP1-85-DI-013 DATE 04 MAY 85 TIME 0310 GMT
LAT 00 00.6N LONG 129 58.3W

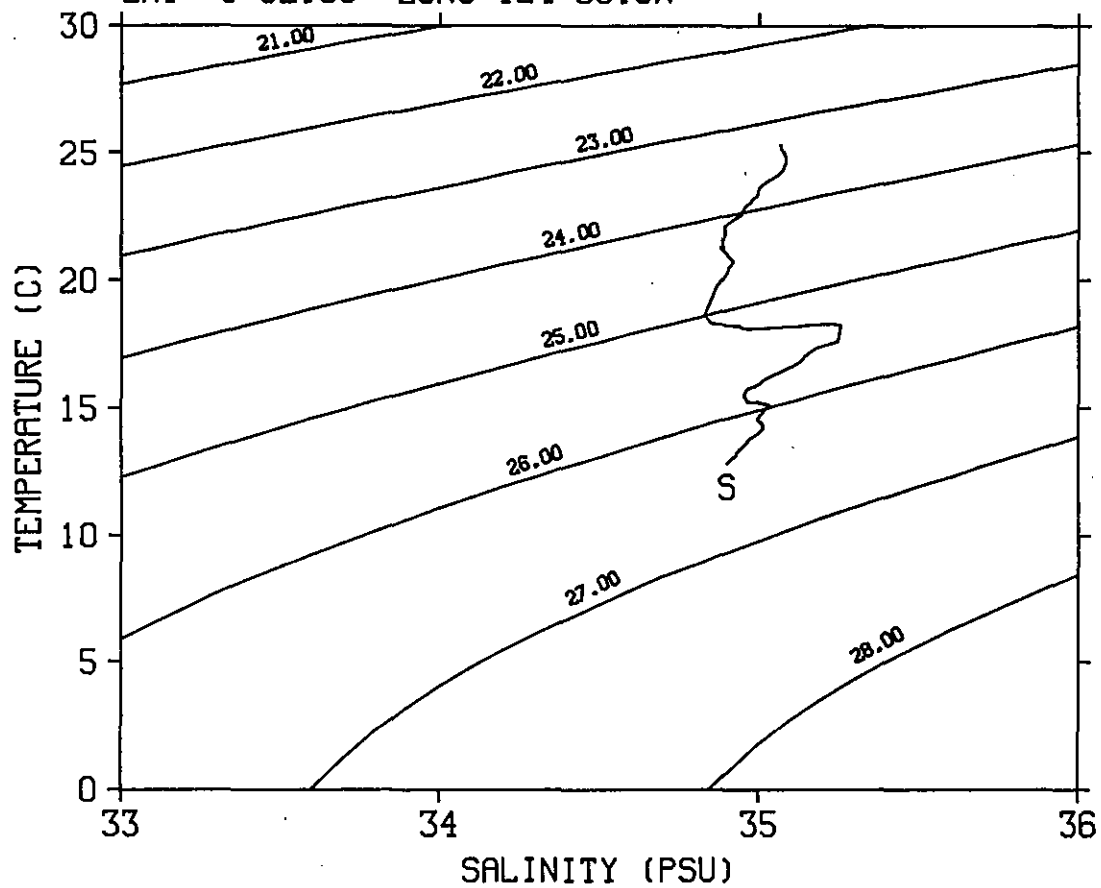


CAST EP1-85-DI-013 DATE 04 MAY 85 TIME 0310 GMT
 LAT 00 00.6N LONG 129 58.3W WEATHER 1 SEA STATE 3
 BAROMETER 08 WIND DIR 060 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 26.2 WET 24.1 DEPTH 4021 M

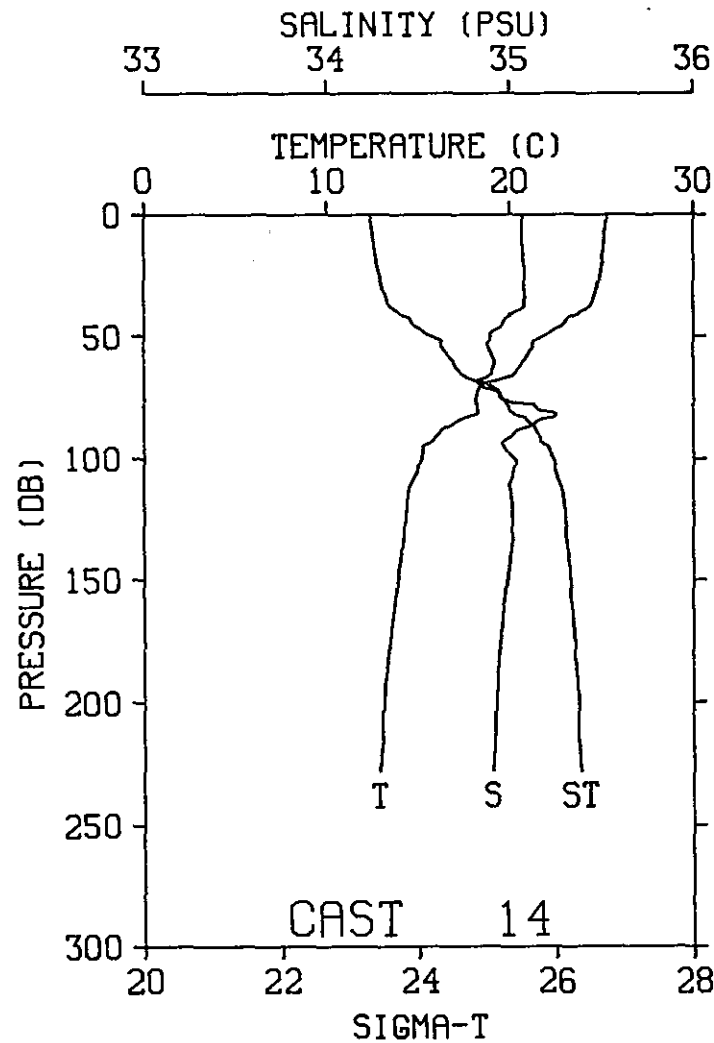


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.898	35.084	23.130	0.000
10.	25.896	35.082	23.130	0.047
20.	25.747	35.085	23.178	0.094
30.	25.605	35.100	23.233	0.141
40.	25.458	35.115	23.290	0.187
50.	25.132	35.159	23.423	0.233
60.	24.576	35.245	23.656	0.277
70.	22.783	35.420	24.316	0.315
80.	20.435	35.083	24.711	0.349
90.	19.397	34.954	24.885	0.381
100.	19.199	35.271	25.179	0.410
110.	18.606	35.282	25.338	0.437
120.	16.831	35.280	25.771	0.462
130.	15.217	35.081	25.987	0.484
140.	14.839	35.035	26.035	0.504
150.	14.608	35.012	26.068	0.524
160.	14.367	34.988	26.101	0.543
170.	14.067	34.972	26.152	0.563
180.	13.929	34.993	26.197	0.581
190.	13.501	34.952	26.255	0.600
200.	13.377	34.952	26.280	0.618
250.	12.583	34.873	26.378	0.705
300.	12.200	34.852	26.436	0.789
350.	10.691	34.767	26.650	0.866
400.	9.789	34.716	26.766	0.935
450.	8.941	34.674	26.873	1.001
500.	8.217	34.645	26.963	1.062
550.	7.527	34.601	27.030	1.119
600.	6.876	34.576	27.102	1.173
650.	6.770	34.573	27.114	1.225
700.	6.364	34.561	27.159	1.276
750.	5.956	34.552	27.204	1.324
800.	5.626	34.547	27.241	1.371
850.	5.491	34.545	27.256	1.417
900.	4.998	34.546	27.316	1.461
950.	4.671	34.551	27.357	1.502
1000.	4.563	34.551	27.369	1.542
1008.	4.561	34.552	27.370	1.549

CAST EP1-85-DI-014 DATE 05 MAY 85 TIME 2025 GMT
LAT 0 02.9S LONG 124 35.3W

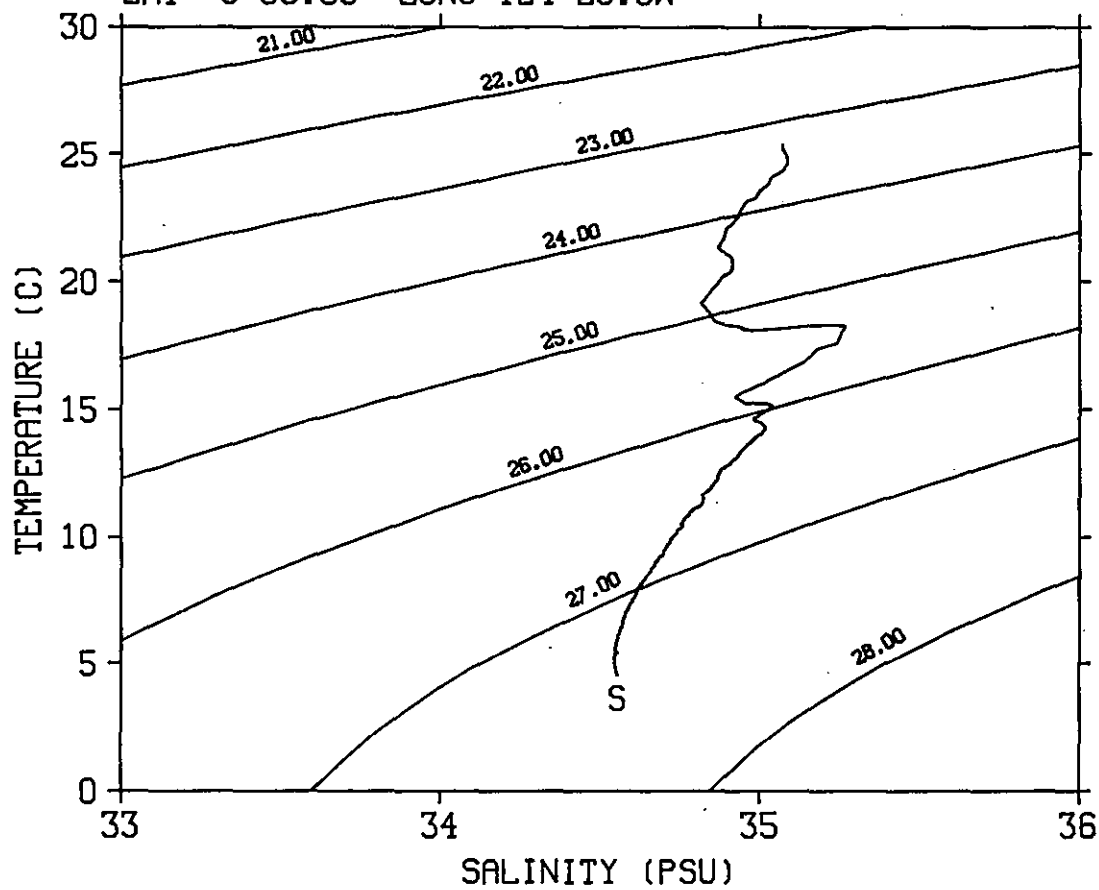


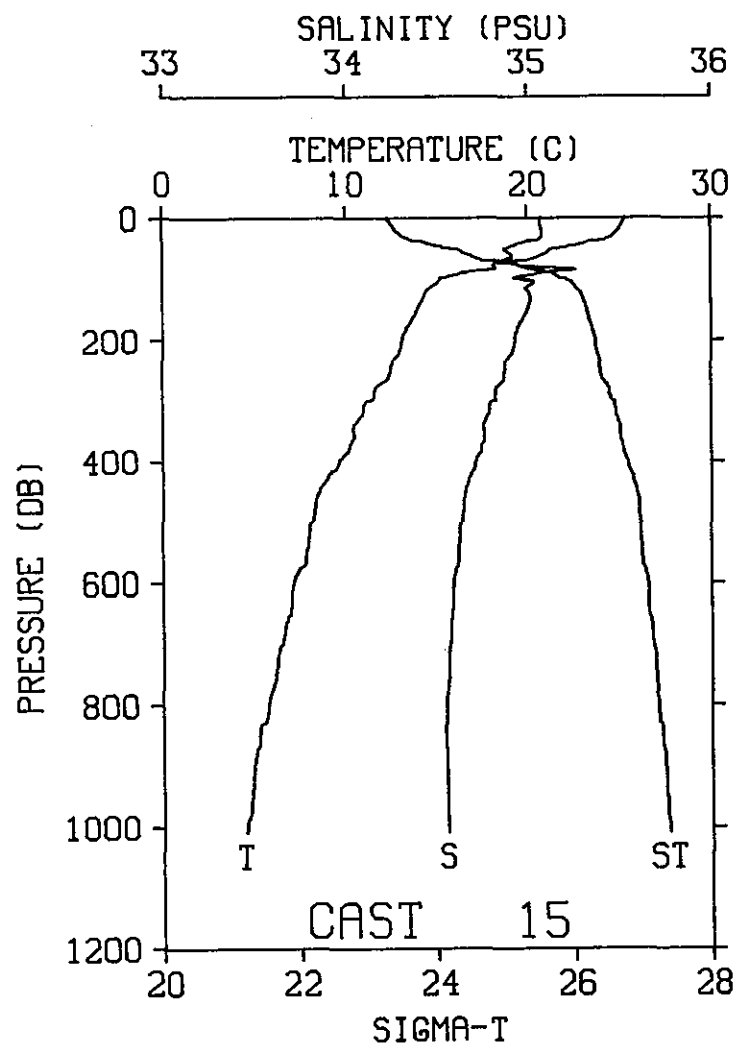
CAST EP1-85-DI-014 DATE 05 MAY 85 TIME 2025 GMT
 LAT 0 02.9S LONG 124 35.3W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 080 T SPD 14 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 25.6 WET 23.4 DEPTH 4745 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.311	35.067	23.299	0.000
10.	25.157	35.068	23.347	0.045
20.	25.025	35.076	23.393	0.091
30.	24.759	35.082	23.478	0.135
40.	23.874	35.027	23.701	0.178
50.	21.852	34.892	24.178	0.218
60.	20.725	34.917	24.507	0.254
70.	18.447	34.838	25.038	0.287
80.	18.265	35.157	25.328	0.314
90.	16.066	35.014	25.744	0.338
100.	15.137	35.027	25.964	0.360
110.	14.590	34.998	26.060	0.380
120.	14.320	35.009	26.127	0.400
130.	14.213	35.012	26.152	0.419
140.	14.027	35.001	26.183	0.437
150.	13.849	34.983	26.207	0.456
160.	13.682	34.965	26.227	0.474
170.	13.485	34.950	26.256	0.492
180.	13.330	34.938	26.279	0.510
190.	13.180	34.929	26.302	0.528
200.	13.067	34.922	26.320	0.545
228.	12.812	34.898	26.352	0.594

CAST EP1-85-DI-015 DATE 05 MAY 85 TIME 2210 GMT
LAT 0 03.8S LONG 124 29.0W

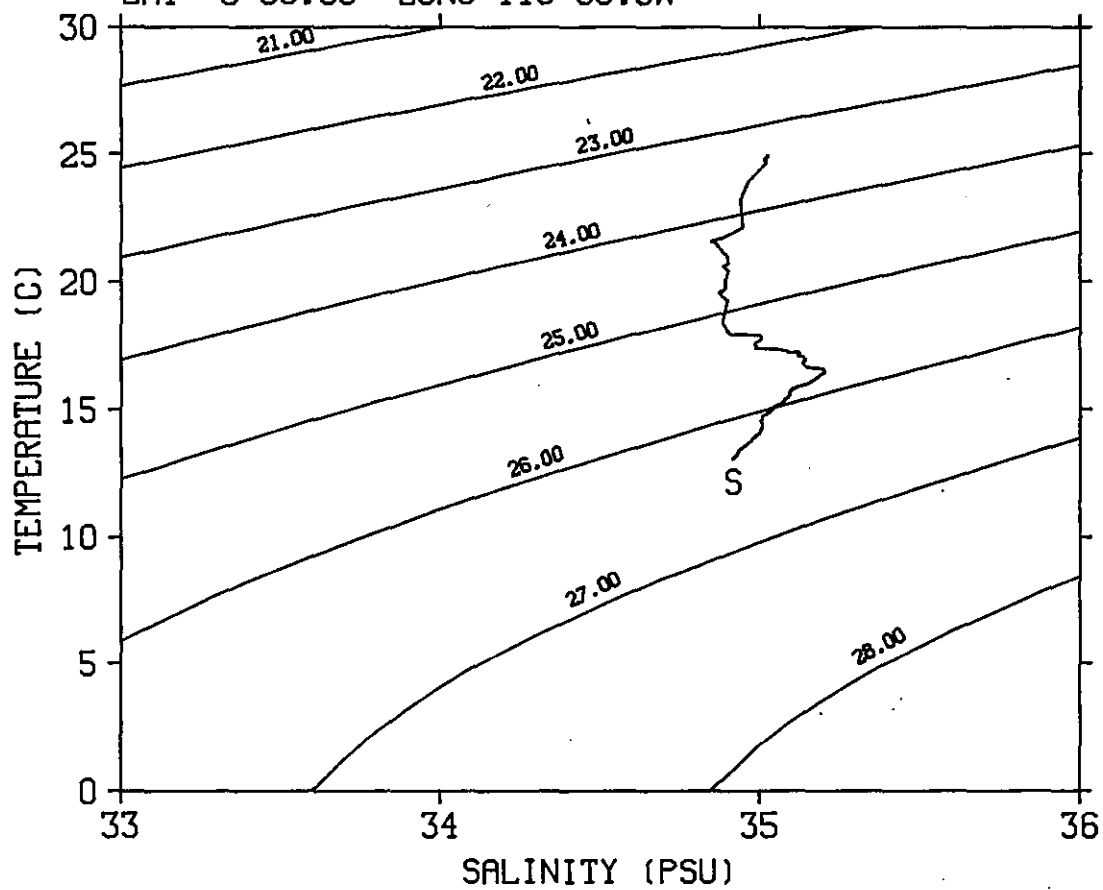




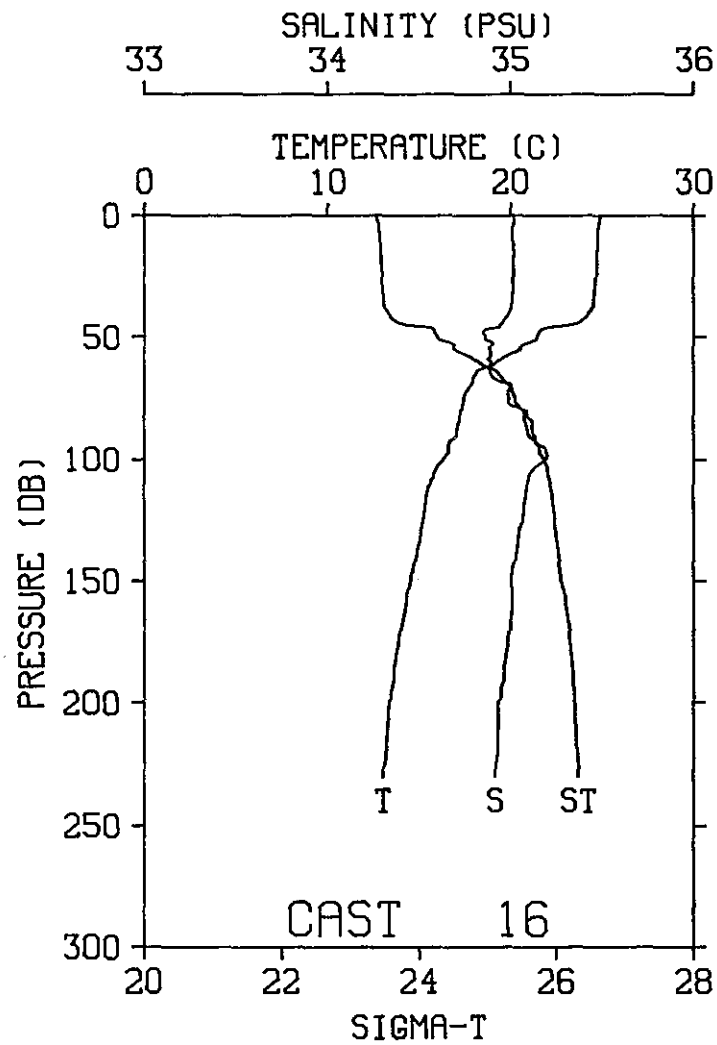
CAST EP1-85-DI-015 DATE 05 MAY 85 TIME 2210 GMT
 LAT 0 03.8S LONG 124 29.0W WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 090 T SPD 15 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 25.6 WET 24.0 DEPTH 4352 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.344	35.070	23.291	0.000
10.	25.157	35.068	23.347	0.046
20.	24.984	35.078	23.407	0.091
30.	24.677	35.082	23.503	0.135
40.	23.262	34.984	23.847	0.178
50.	21.659	34.885	24.227	0.217
60.	20.860	34.916	24.469	0.252
70.	19.140	34.816	24.846	0.286
80.	18.179	35.077	25.287	0.315
90.	16.452	35.077	25.703	0.340
100.	15.223	34.976	25.905	0.362
110.	14.836	35.010	26.017	0.382
120.	14.401	35.008	26.109	0.402
130.	14.282	35.017	26.141	0.421
140.	14.082	35.009	26.177	0.440
150.	13.939	34.994	26.196	0.459
160.	13.779	34.978	26.217	0.477
170.	13.556	34.957	26.247	0.495
180.	13.363	34.943	26.276	0.513
190.	13.194	34.931	26.301	0.531
200.	13.108	34.928	26.316	0.548
250.	12.502	34.874	26.395	0.634
300.	11.308	34.821	26.580	0.715
350.	10.457	34.758	26.684	0.788
400.	9.661	34.711	26.784	0.858
450.	8.563	34.654	26.917	0.921
500.	8.172	34.633	26.960	0.981
550.	7.871	34.619	26.994	1.039
600.	7.158	34.590	27.074	1.094
650.	6.993	34.582	27.090	1.148
700.	6.519	34.569	27.144	1.199
750.	6.144	34.559	27.186	1.248
800.	5.791	34.550	27.224	1.296
850.	5.261	34.546	27.285	1.342
900.	4.978	34.548	27.320	1.385
950.	4.826	34.550	27.339	1.427
1000.	4.523	34.554	27.376	1.468
1010.	4.520	34.554	27.376	1.475

CAST EP1-85-DI-016 DATE 06 MAY 85 TIME 1947 GMT
LAT 0 00.8S LONG 119 59.9W

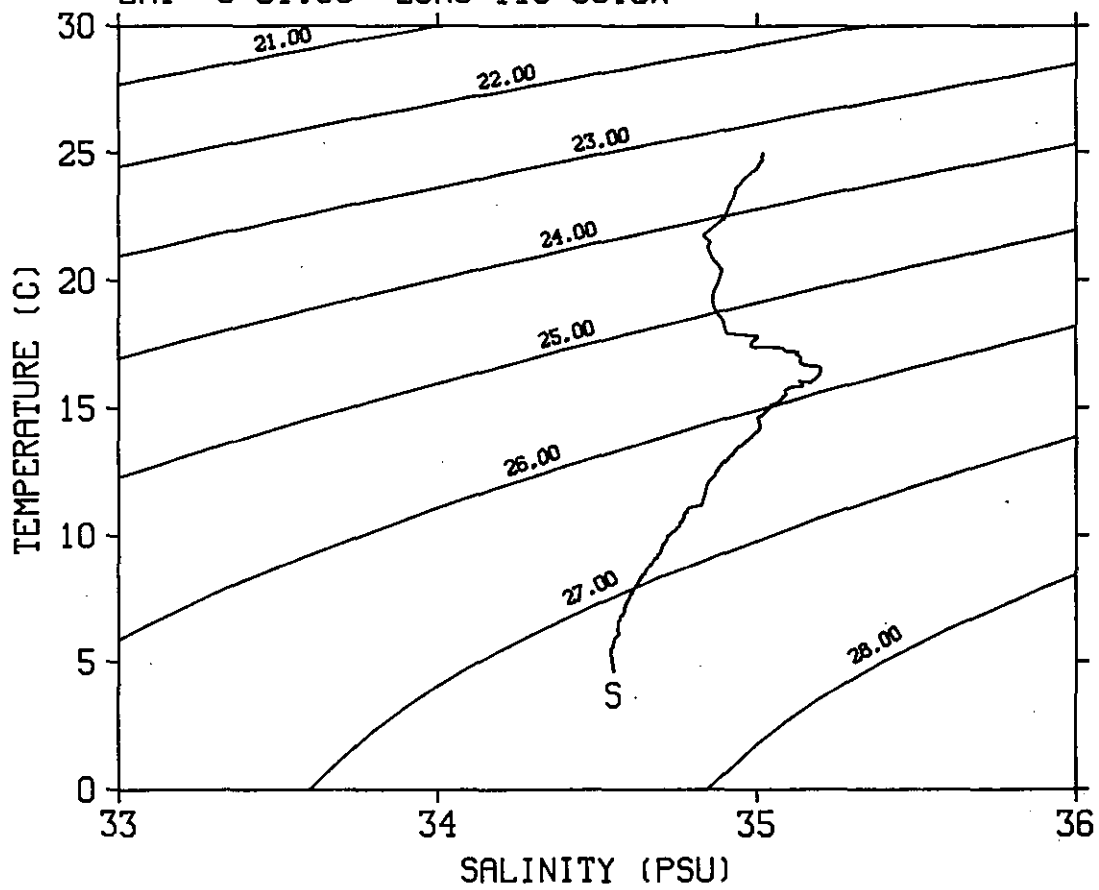


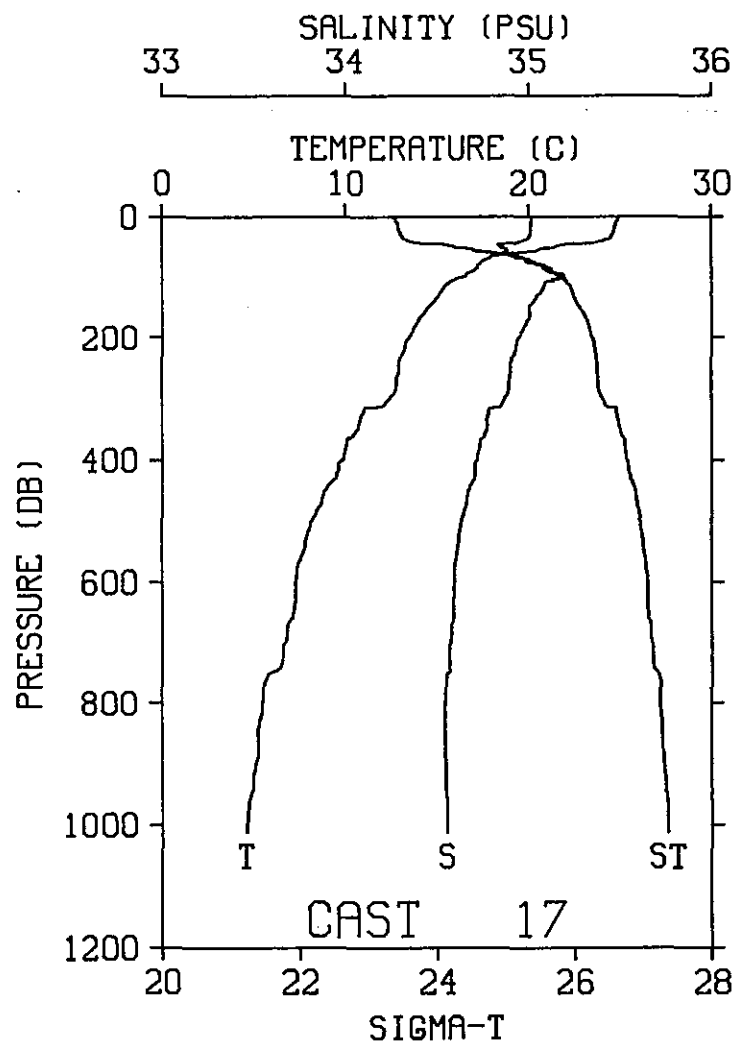
CAST EP1-B5-DI-016 DATE 06 MAY 85 TIME 1947 GMT
 LAT 0 00.8S LONG 119 59.9W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 080 T SPD 14 KT VISIBILITY 8
 CLOUD 8 AMOUNT 4 DRY 26.0 WET 23.6 DEPTH 4042 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	24.913	35.021	23.385	0.000
10.	24.724	35.011	23.435	0.045
20.	24.690	35.017	23.450	0.089
30.	24.600	35.013	23.474	0.133
40.	24.260	34.991	23.559	0.177
50.	21.449	34.860	24.266	0.217
60.	19.270	34.897	24.875	0.251
70.	17.794	35.010	25.331	0.279
80.	17.253	35.088	25.522	0.305
90.	17.040	35.130	25.606	0.330
100.	16.326	35.187	25.817	0.352
110.	15.589	35.091	25.911	0.374
120.	15.312	35.074	25.960	0.395
130.	15.064	35.043	25.991	0.415
140.	14.830	35.024	26.029	0.436
150.	14.526	35.001	26.077	0.456
160.	14.262	35.008	26.139	0.475
170.	13.980	34.995	26.188	0.494
180.	13.762	34.976	26.219	0.512
190.	13.626	34.961	26.236	0.531
200.	13.378	34.935	26.267	0.549
230.	13.049	34.915	26.318	0.602

CAST EP1-85-DI-017 DATE 06 MAY 85 TIME 2149 GMT
LAT 0 01.8S LONG 119 56.3W

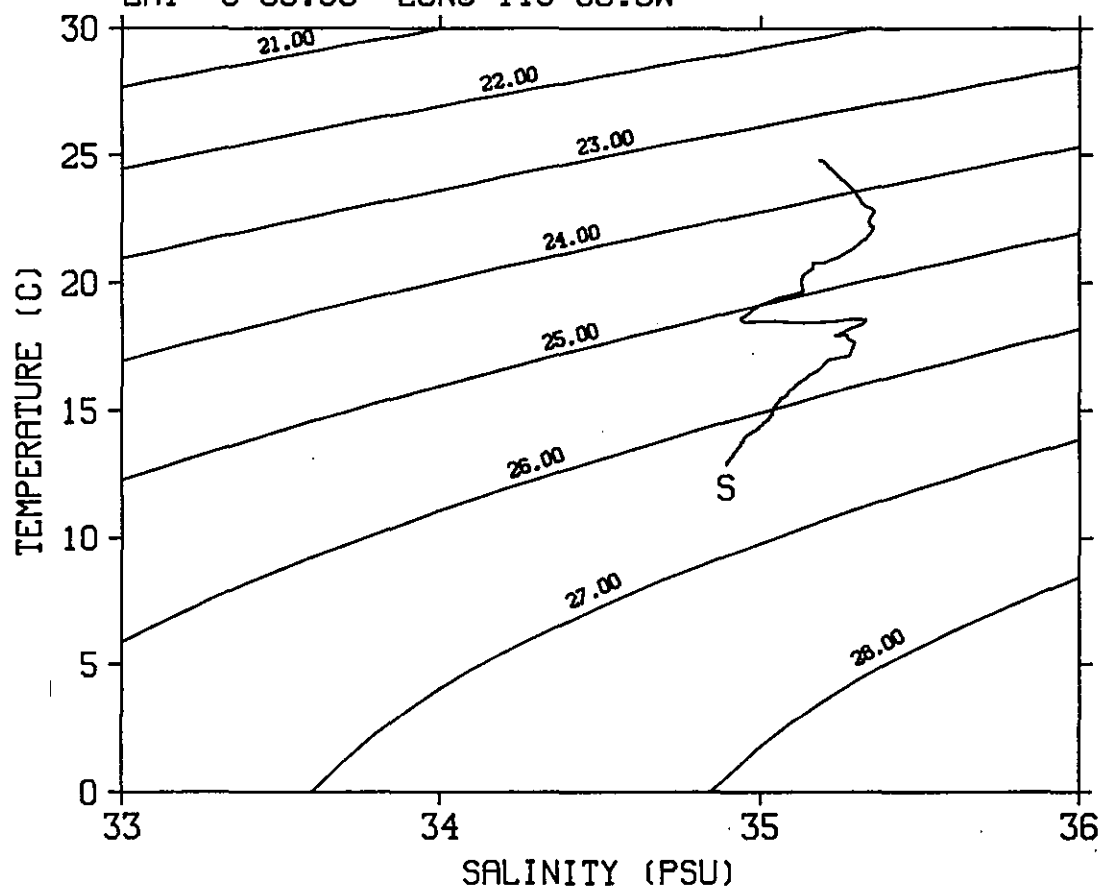


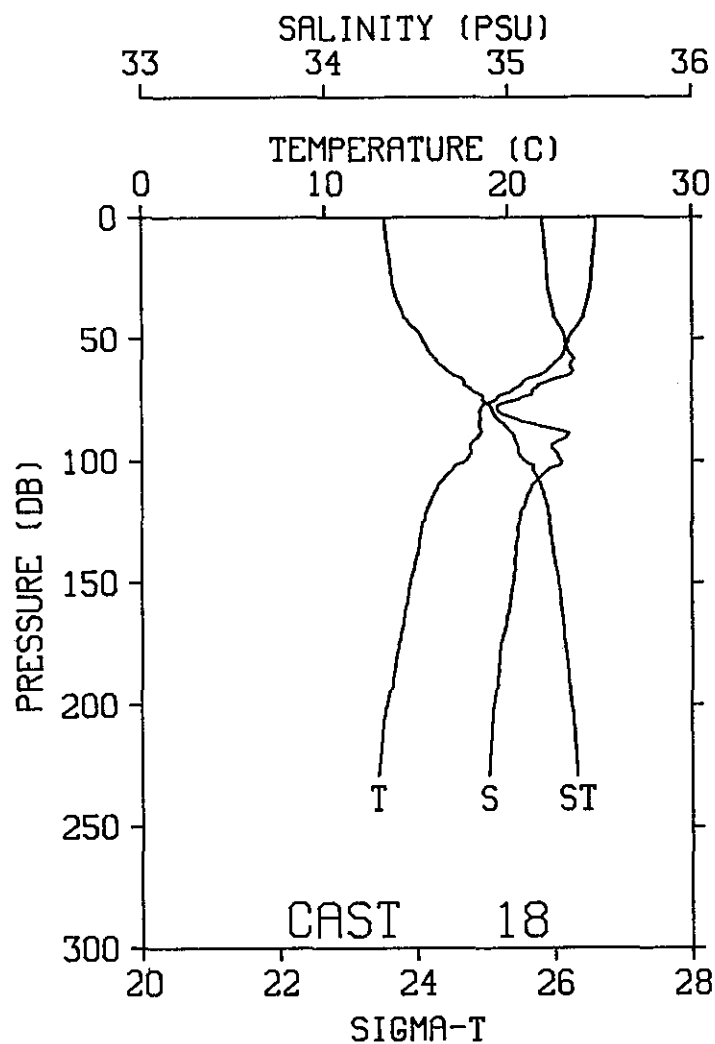


CAST EP1-85-DI-017 DATE 06 MAY 85 TIME 2149 GMT
 LAT 0 01.8S LONG 119 56.3W WEATHER 1 SEA STATE 3
 BAROMETER 08 WIND DIR 080 T SPD 14 KT VISIBILITY 8
 CLOUD 8 AMOUNT 4 DRY 25.3 WET 22.3 DEPTH 4042 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T (DB)	DELTA-D (DYN M)
0.	24.986	35.016	23.360	0.000
10.	24.731	35.016	23.437	0.045
20.	24.693	35.017	23.449	0.089
30.	24.571	35.009	23.479	0.133
40.	24.111	34.971	23.589	0.177
50.	21.478	34.850	24.251	0.217
60.	19.559	34.865	24.776	0.252
70.	17.798	35.005	25.327	0.280
80.	17.266	35.087	25.518	0.306
90.	17.066	35.130	25.599	0.331
100.	16.423	35.197	25.803	0.354
110.	15.627	35.086	25.900	0.375
120.	15.309	35.076	25.963	0.396
130.	15.076	35.044	25.990	0.417
140.	14.851	35.027	26.026	0.437
150.	14.528	35.003	26.078	0.457
160.	14.289	35.010	26.134	0.476
170.	14.001	34.995	26.184	0.495
180.	13.825	34.980	26.209	0.513
190.	13.656	34.964	26.232	0.532
200.	13.473	34.946	26.256	0.550
250.	12.897	34.903	26.339	0.638
300.	12.404	34.870	26.411	0.725
350.	10.673	34.773	26.658	0.801
400.	9.844	34.719	26.760	0.870
450.	8.830	34.667	26.885	0.936
500.	8.148	34.633	26.964	0.996
550.	7.666	34.609	27.016	1.053
600.	7.285	34.593	27.058	1.108
650.	7.134	34.587	27.075	1.163
700.	6.697	34.573	27.124	1.215
750.	5.930	34.558	27.212	1.266
800.	5.490	34.545	27.257	1.311
850.	5.253	34.545	27.285	1.356
900.	5.088	34.546	27.306	1.399
950.	4.823	34.549	27.338	1.442
1000.	4.620	34.553	27.364	1.482
1013.	4.618	34.554	27.365	1.493

CAST EP1-85-DI-018 DATE 07 MAY 85 TIME 2026 GMT
LAT 0 00.6S LONG 115 00.6W

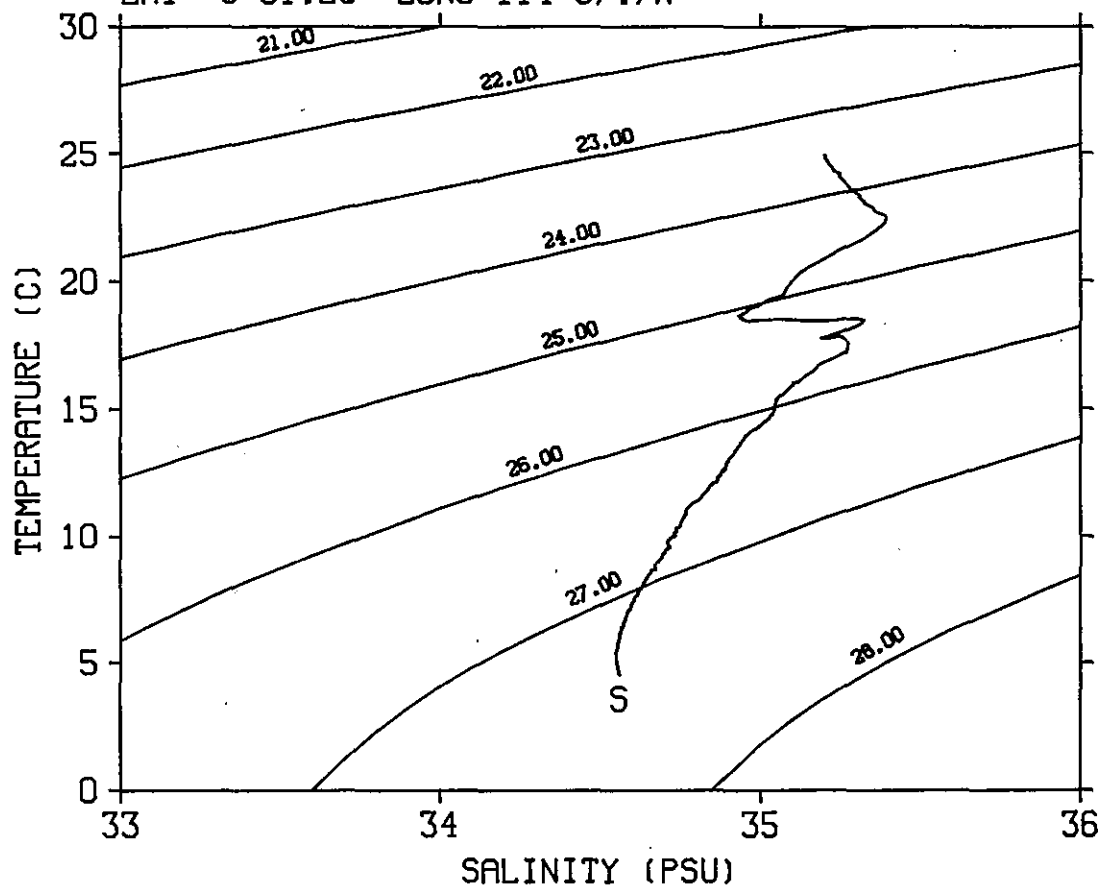


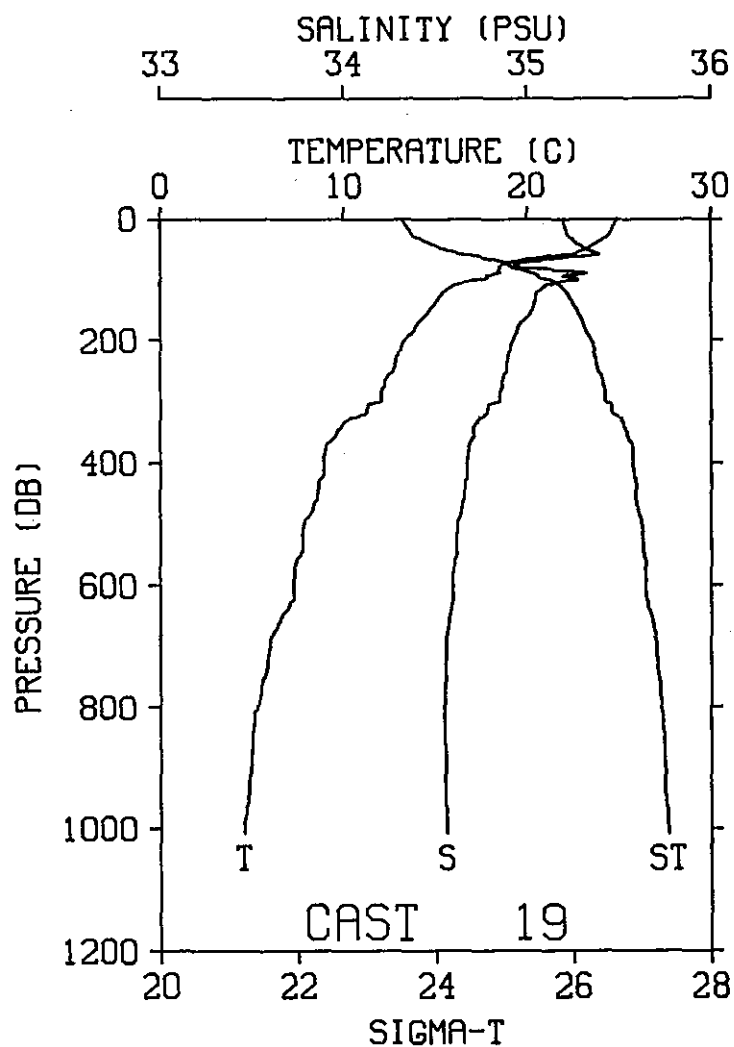


CAST EP1-85-DI-018 DATE 07 MAY 85 TIME 2026 GMT
 LAT 0 00.6S LONG 115 00.6W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 105 T SPD 16 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 25.8 WET 24.0 DEPTH 3968 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	24.811	35.186	23.541	0.000
10.	24.732	35.200	23.575	0.043
20.	24.587	35.211	23.627	0.086
30.	24.458	35.221	23.674	0.129
40.	24.084	35.252	23.809	0.170
50.	23.285	35.310	24.088	0.210
60.	22.575	35.345	24.319	0.247
70.	20.556	35.164	24.740	0.281
80.	18.454	34.949	25.121	0.311
90.	18.376	35.323	25.427	0.339
100.	17.674	35.294	25.579	0.364
110.	16.111	35.125	25.819	0.387
120.	15.513	35.074	25.916	0.408
130.	15.223	35.051	25.963	0.429
140.	14.965	35.039	26.010	0.450
150.	14.635	35.024	26.071	0.470
160.	14.392	35.004	26.108	0.489
170.	14.135	34.975	26.140	0.509
180.	13.867	34.948	26.175	0.528
190.	13.681	34.938	26.207	0.546
200.	13.349	34.921	26.261	0.564
229.	12.879	34.893	26.335	0.616

CAST EP1-85-DI-019 DATE 07 MAY 85 TIME 2239 GMT
LAT 0 01.2S LONG 114 57.7W

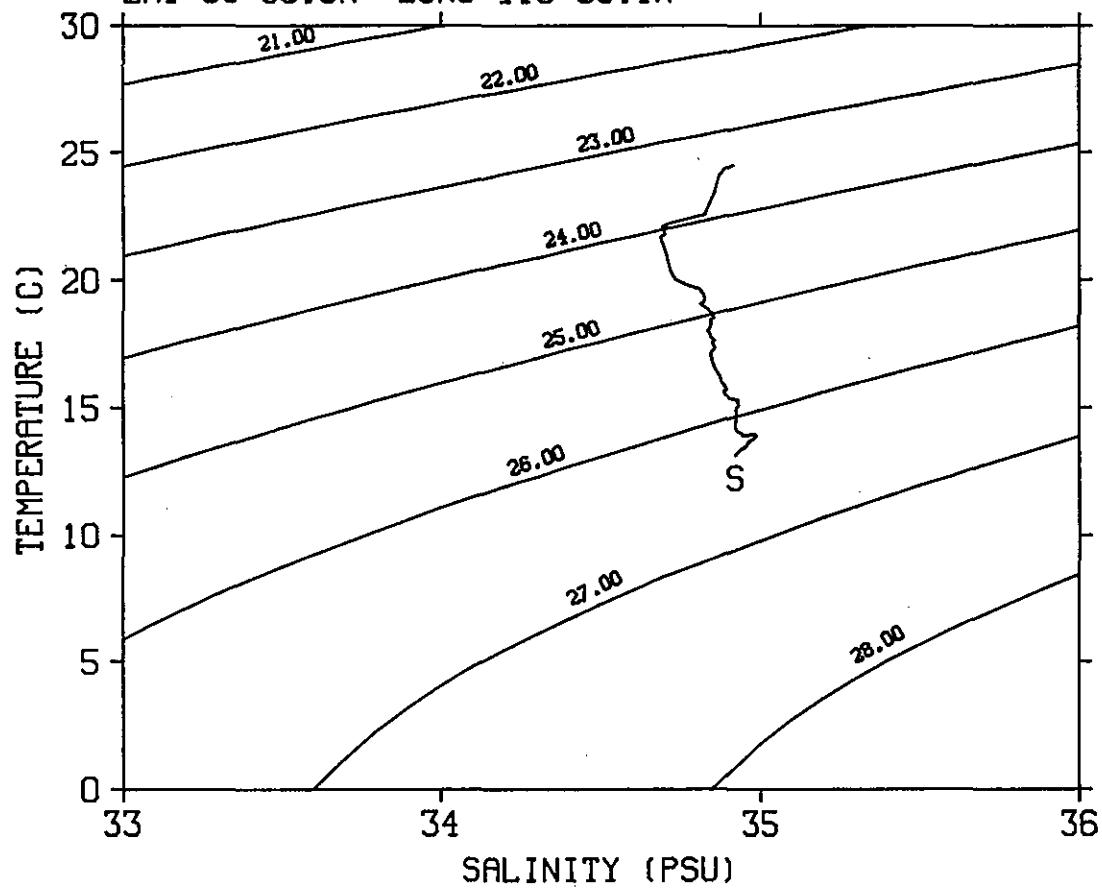




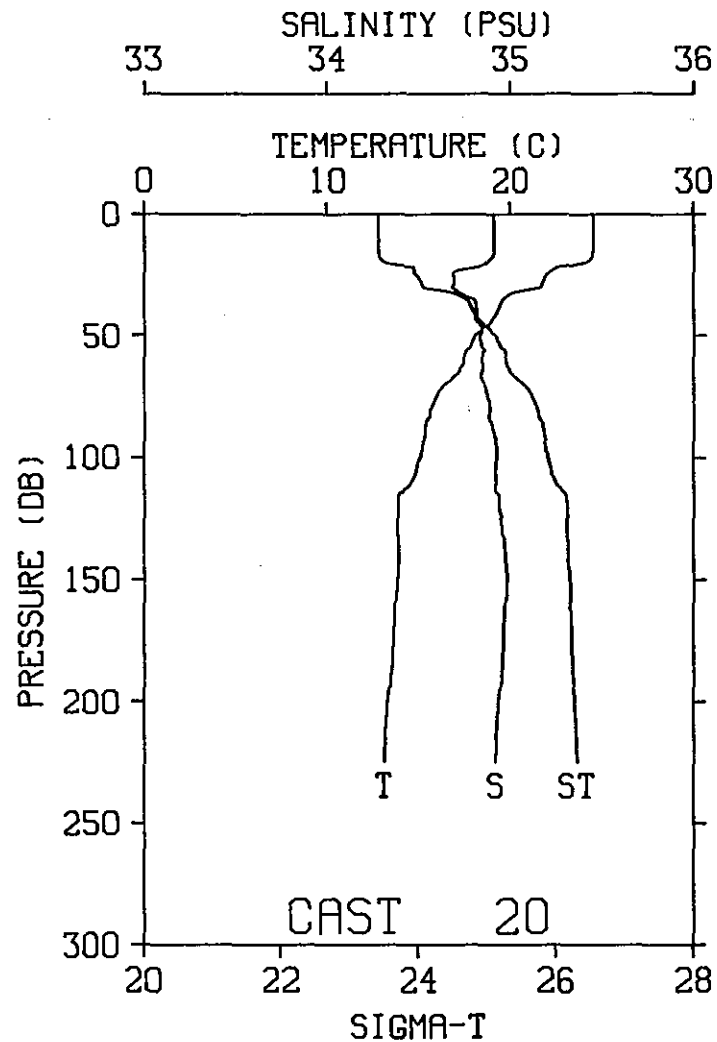
CAST EP1-85-DI-019 DATE 07 MAY 85 TIME 2239 GMT
 LAT 0 01.2S LONG 114 57.7W WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 100 T SPD 16 KT VISIBILITY 8
 CLOUD 8 AMOUNT 5 DRY 25.0 WET 23.9 DEPTH 3968 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	24.943	35.202	23.513	0.000
10.	24.761	35.204	23.570	0.043
20.	24.576	35.215	23.634	0.086
30.	24.306	35.235	23.730	0.129
40.	23.772	35.271	23.915	0.169
50.	23.133	35.329	24.147	0.208
60.	21.941	35.359	24.509	0.245
70.	19.256	35.025	24.976	0.277
80.	18.425	34.964	25.140	0.306
90.	18.341	35.322	25.435	0.333
100.	17.546	35.278	25.597	0.358
110.	15.989	35.102	25.829	0.380
120.	15.490	35.059	25.909	0.402
130.	15.192	35.047	25.967	0.423
140.	14.972	35.039	26.009	0.443
150.	14.666	35.026	26.066	0.463
160.	14.401	35.008	26.109	0.483
170.	14.092	34.969	26.144	0.502
180.	13.860	34.948	26.177	0.521
190.	13.655	34.938	26.212	0.540
200.	13.314	34.923	26.270	0.558
250.	12.687	34.888	26.369	0.645
300.	12.007	34.847	26.469	0.727
350.	9.664	34.706	26.780	0.800
400.	8.889	34.672	26.879	0.863
450.	8.575	34.657	26.917	0.924
500.	7.813	34.617	27.001	0.983
550.	7.595	34.608	27.026	1.039
600.	7.270	34.595	27.062	1.094
650.	6.608	34.573	27.136	1.147
700.	5.952	34.558	27.210	1.196
750.	5.658	34.554	27.243	1.242
800.	5.288	34.547	27.282	1.287
850.	4.993	34.550	27.319	1.329
900.	4.884	34.552	27.333	1.371
950.	4.756	34.553	27.349	1.412
1000.	4.517	34.558	27.379	1.452
1010.	4.503	34.558	27.381	1.460

CAST EP1-85-DI-020 DATE 09 MAY 85 TIME 0650 GMT
LAT 00 05.6N LONG 110 00.1W

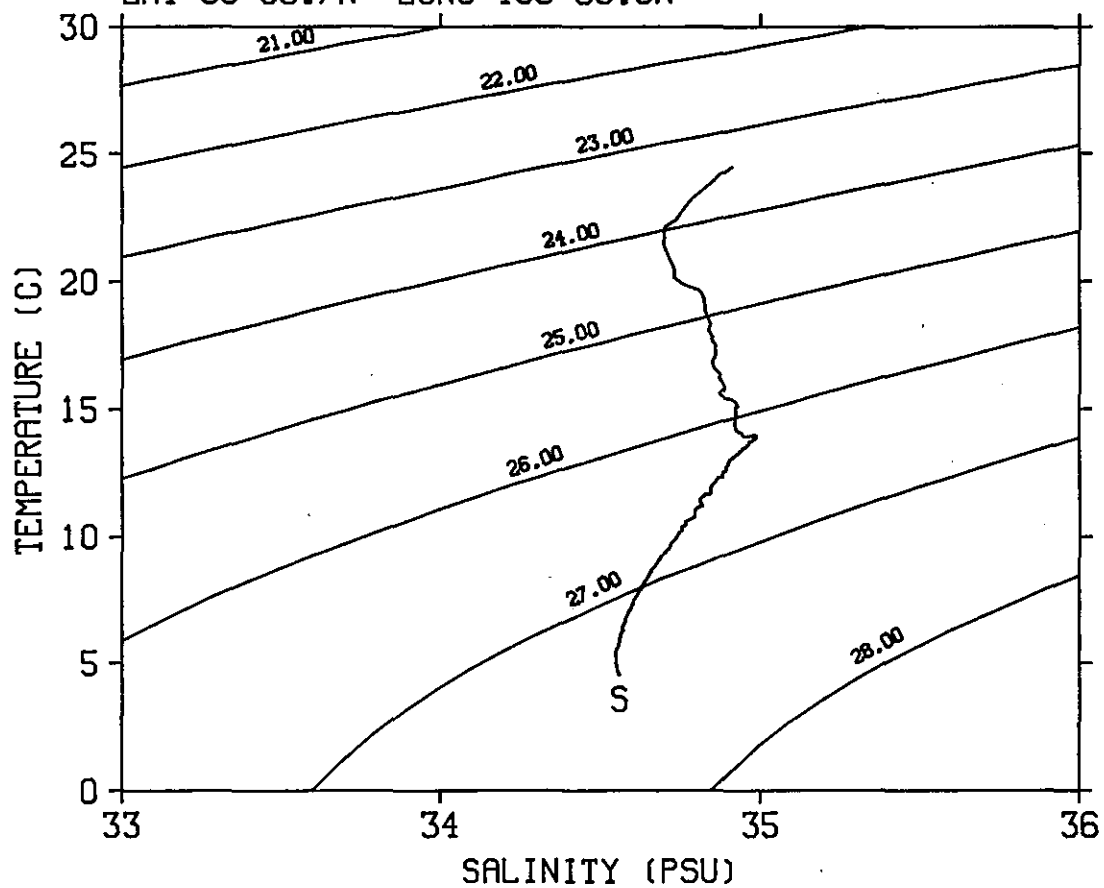


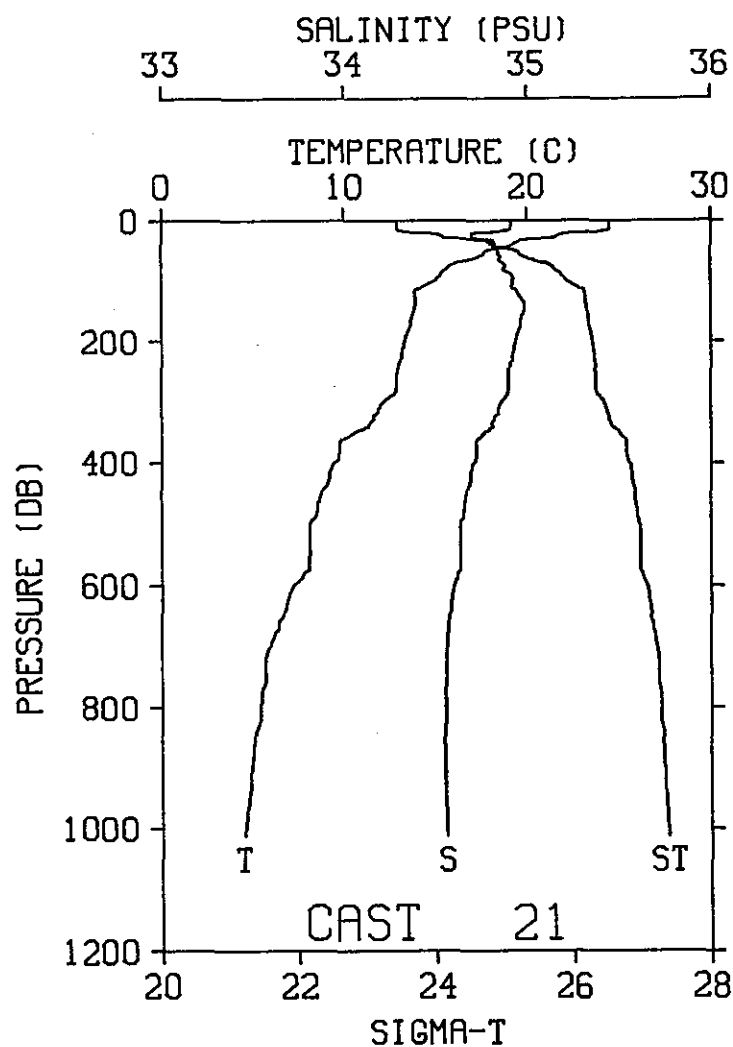
CAST EP1-85-DI-020 DATE 09 MAY 85 TIME 0650 GMT
 LAT 00 05.6N LONG 110 00.1W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 100 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 1 DRY 24.2 WET 23.0 DEPTH 3667 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T (DB)	DELTA-D (DYN M)
0.	24.519	34.912	23.422	0.000
10.	24.512	34.912	23.424	0.045
20.	24.080	34.869	23.520	0.089
30.	21.663	34.686	24.075	0.129
40.	19.299	34.822	24.810	0.162
50.	18.076	34.839	25.131	0.192
60.	17.488	34.849	25.283	0.220
70.	16.466	34.861	25.534	0.246
80.	15.697	34.893	25.735	0.269
90.	15.331	34.914	25.833	0.292
100.	15.116	34.929	25.892	0.313
110.	14.595	34.924	26.002	0.334
120.	13.885	34.943	26.168	0.353
130.	13.914	34.961	26.176	0.372
140.	13.942	34.976	26.182	0.390
150.	13.849	34.986	26.208	0.409
160.	13.738	34.975	26.223	0.427
170.	13.677	34.966	26.229	0.446
180.	13.606	34.961	26.240	0.464
190.	13.501	34.954	26.256	0.482
200.	13.328	34.937	26.278	0.500
225.	13.122	34.918	26.306	0.544

CAST EP1-85-DI-021 DATE 09 MAY 85 TIME 0849 GMT
LAT 00 09.7N LONG 109 56.8W

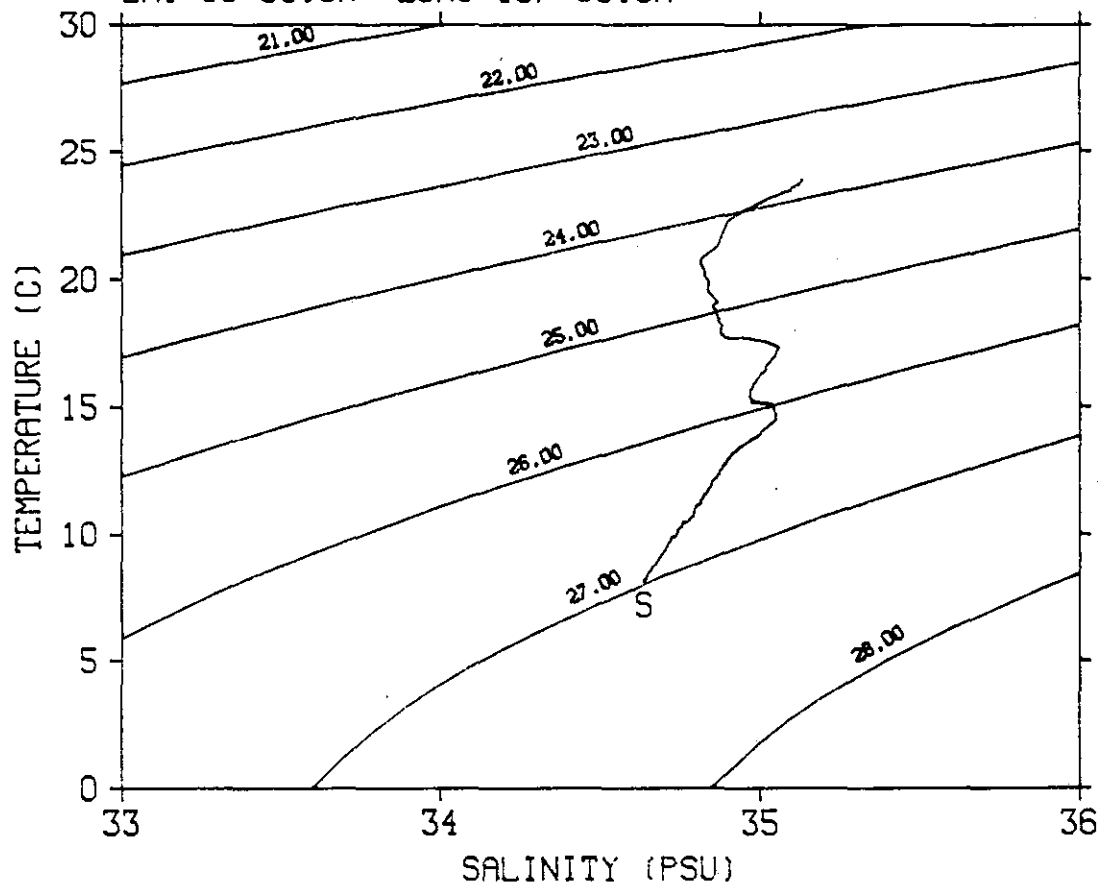


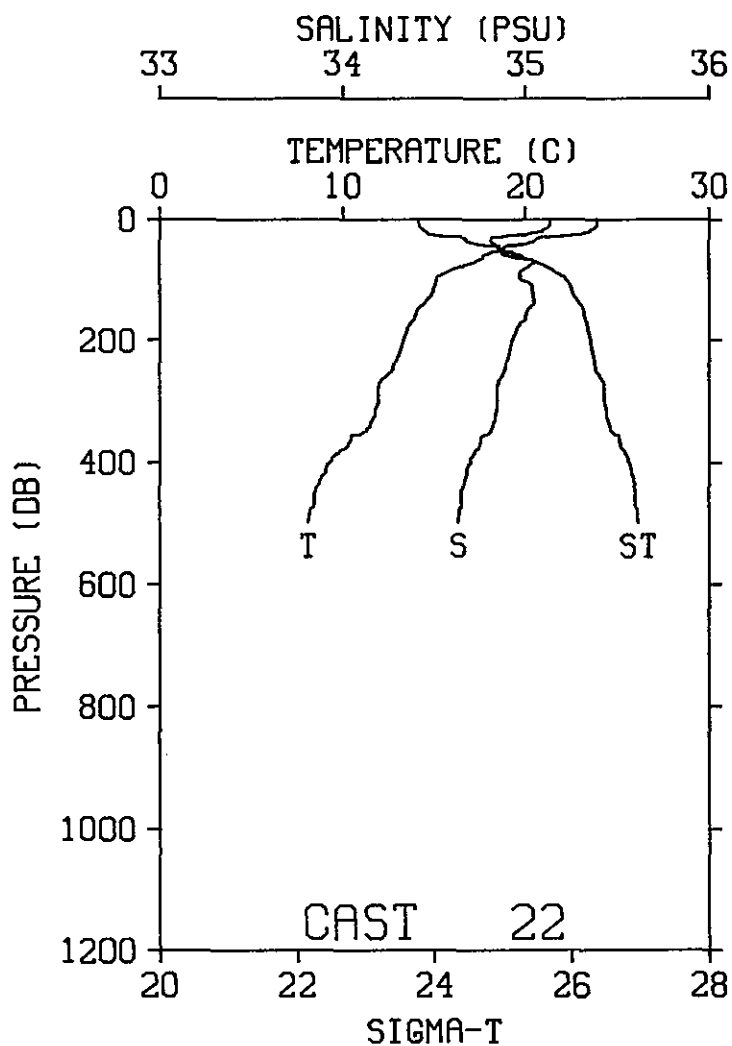


CAST EP1-85-DI-021 DATE 09 MAY 85 TIME 0849 GMT
 LAT 00 09.7N LONG 109 56.8W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 095 T SPD 14 KT VISIBILITY 8
 CLOUD 8 AMOUNT 1 DRY 24.0 WET 22.8 DEPTH 3667 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	24.482	34.911	23.432	0.000
10.	24.480	34.913	23.434	0.044
20.	23.216	34.782	23.708	0.089
30.	21.330	34.697	24.175	0.127
40.	19.257	34.822	24.820	0.160
50.	17.903	34.842	25.176	0.190
60.	17.410	34.858	25.308	0.217
70.	16.186	34.869	25.605	0.243
80.	15.650	34.877	25.733	0.266
90.	15.299	34.916	25.842	0.288
100.	15.041	34.921	25.902	0.310
110.	14.313	34.920	26.060	0.330
120.	13.886	34.952	26.175	0.349
130.	13.926	34.972	26.182	0.368
140.	13.912	34.988	26.197	0.386
150.	13.822	34.983	26.212	0.405
160.	13.711	34.970	26.225	0.423
170.	13.644	34.964	26.234	0.441
180.	13.547	34.959	26.250	0.459
190.	13.389	34.944	26.271	0.477
200.	13.307	34.936	26.282	0.495
250.	12.923	34.901	26.332	0.583
300.	12.167	34.861	26.449	0.670
350.	10.555	34.767	26.674	0.748
400.	9.476	34.712	26.815	0.816
450.	8.742	34.666	26.898	0.879
500.	8.136	34.635	26.967	0.939
550.	8.086	34.633	26.973	0.998
600.	7.205	34.598	27.073	1.055
650.	6.670	34.575	27.129	1.107
700.	5.915	34.559	27.215	1.156
750.	5.655	34.555	27.244	1.201
800.	5.388	34.548	27.272	1.246
850.	5.057	34.547	27.310	1.290
900.	4.912	34.550	27.329	1.332
950.	4.745	34.553	27.350	1.374
1000.	4.573	34.556	27.372	1.414
1013.	4.495	34.559	27.382	1.424

CAST EP1-85-D1-022 DATE 10 MAY 85 TIME 0706 GMT
LAT 00 00.9N LONG 107 58.8W





CAST EP1-85-DI-022 DATE 10 MAY 85 TIME 0706 GMT
 LAT 00 00.9N LONG 107 58.8W WEATHER 0 SEA STATE 3
 BAROMETER 14 WIND DIR 060 T SPD 10 KT VISIBILITY 8
 CLOUD X AMOUNT 0 DRY 23.8 WET 22.8 DEPTH 3630 M

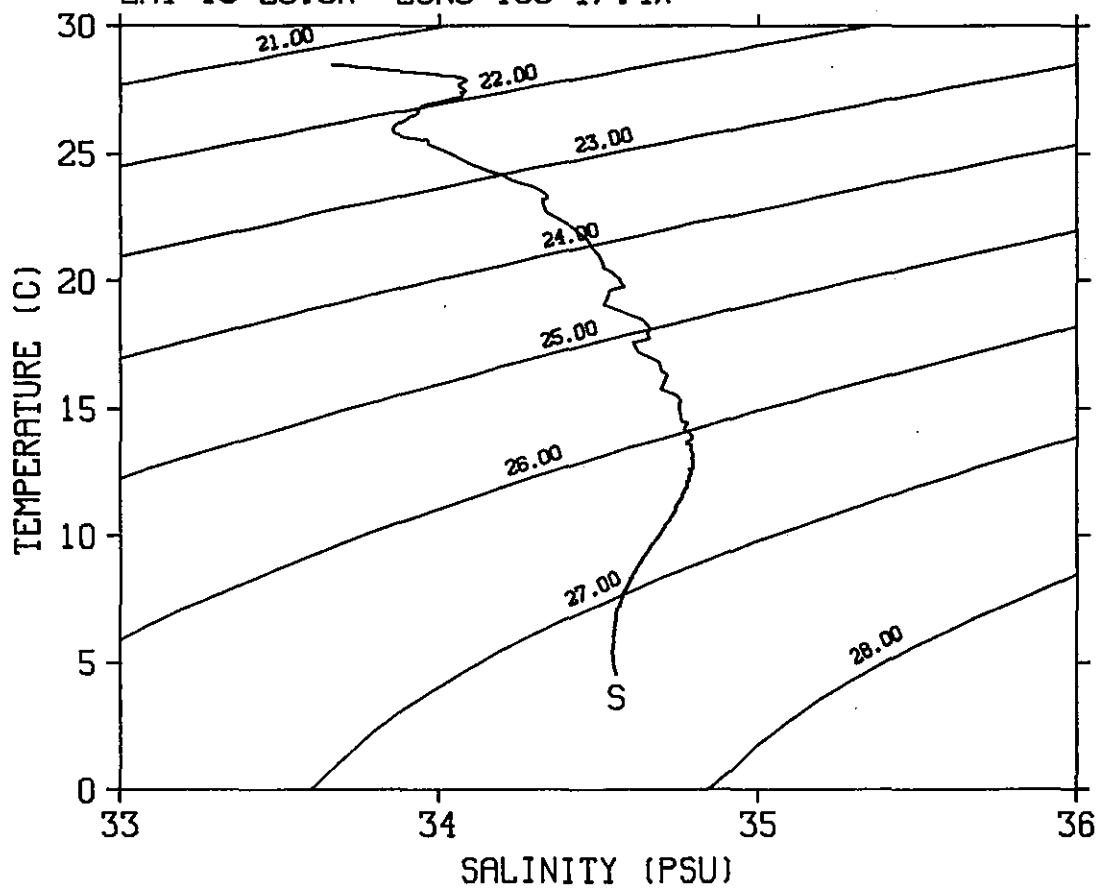
PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	23.895	35.129	23.772	0.000
10.	23.879	35.130	23.777	0.041
20.	23.455	35.096	23.876	0.082
30.	20.834	34.819	24.403	0.121
40.	20.129	34.825	24.596	0.156
50.	18.732	34.859	24.982	0.187
60.	17.686	34.908	25.279	0.215
70.	17.256	35.057	25.498	0.241
80.	16.368	35.012	25.673	0.265
90.	15.592	34.970	25.818	0.288
100.	15.153	34.977	25.921	0.309
110.	15.046	35.037	25.991	0.330
120.	14.947	35.042	26.017	0.350
130.	14.752	35.047	26.063	0.370
140.	14.476	35.051	26.126	0.390
150.	14.087	35.011	26.178	0.408
160.	13.986	35.001	26.191	0.427
170.	13.777	34.982	26.220	0.446
180.	13.545	34.954	26.247	0.464
190.	13.440	34.943	26.260	0.482
200.	13.304	34.928	26.276	0.500
250.	12.685	34.887	26.369	0.587
300.	11.925	34.846	26.484	0.669
350.	11.192	34.811	26.594	0.748
400.	9.320	34.701	26.832	0.817
450.	8.479	34.651	26.928	0.879
499.	8.117	34.634	26.969	0.937

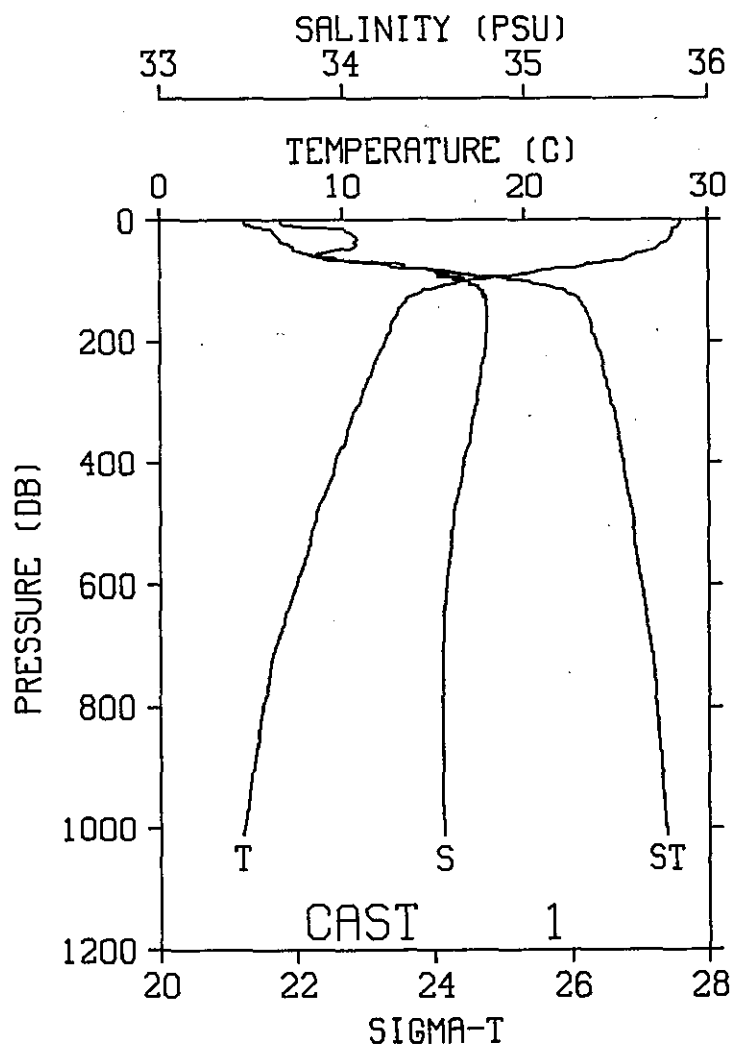
EP2-85-DI

23 May - 19 June 1985

NBIS CTD/O₂ Data Summary

CAST EP2-85-DI-001 DATE 28 MAY 85 TIME 0634 GMT
LAT 10 26.0N LONG 109 17.4W

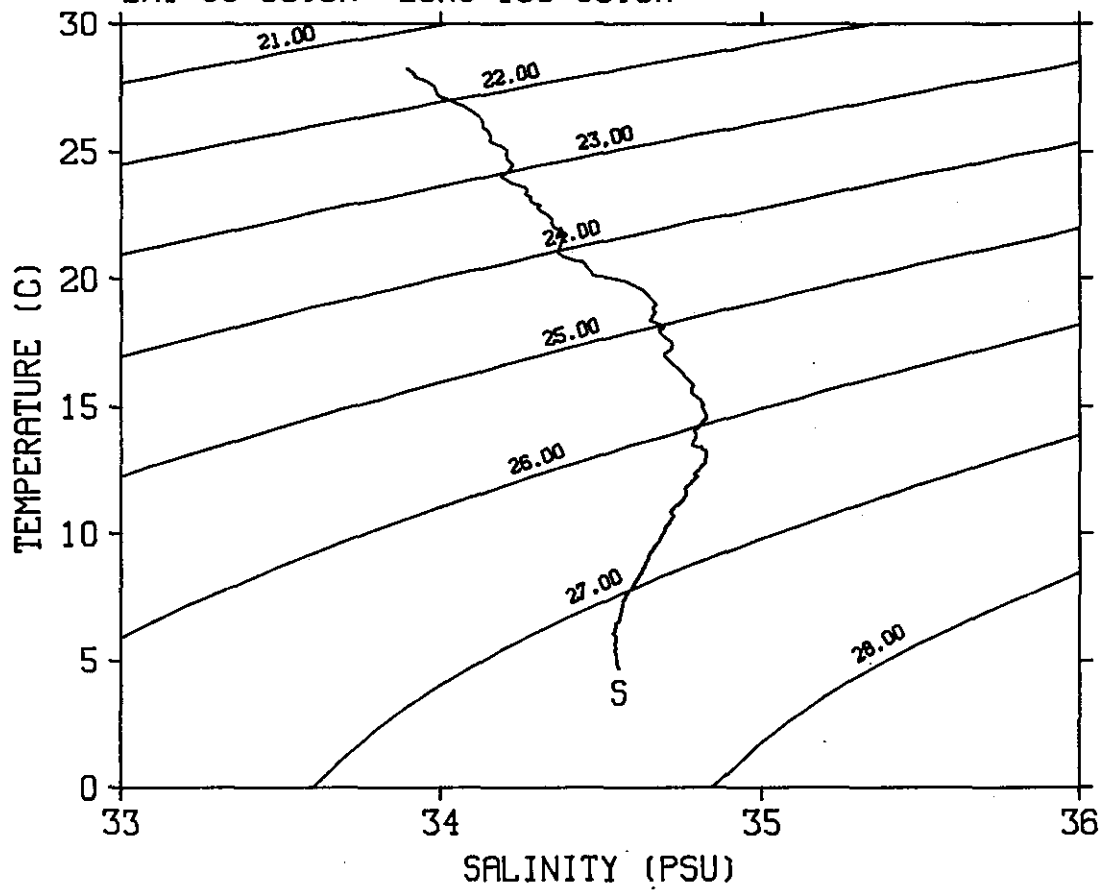




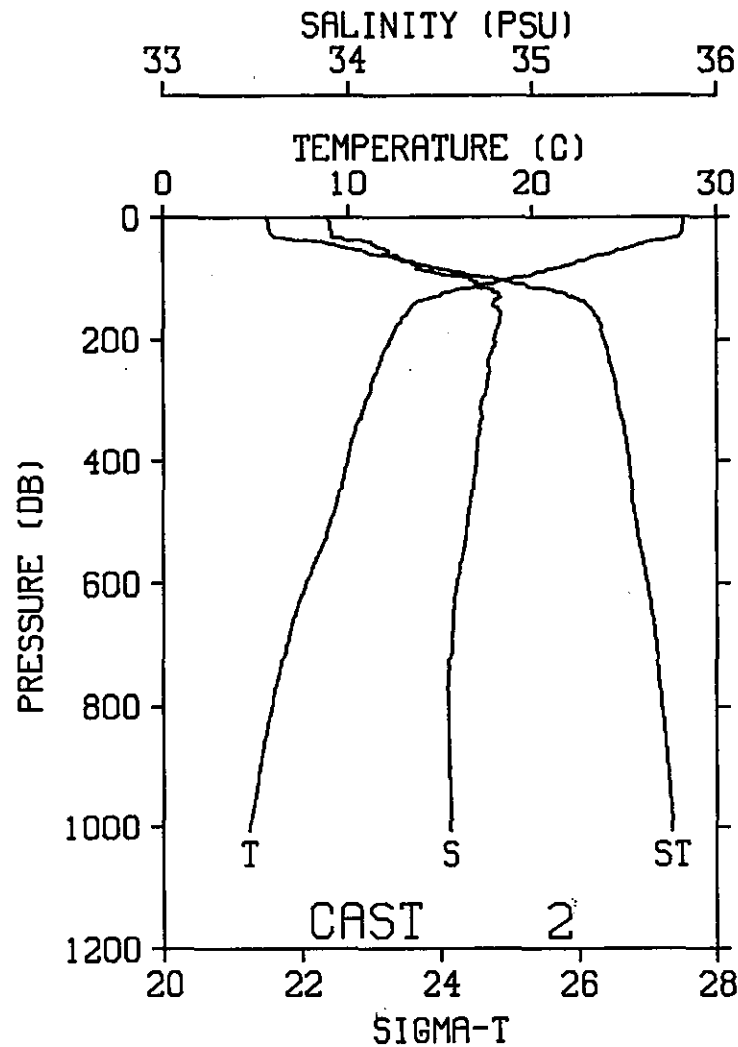
CAST EP2-85-DI-001 DATE 28 MAY 85 TIME 0634 GMT
 LAT 10 26.0N LONG 109 17.4W WEATHER 0 SEA STATE 0
 BAROMETER 00 WIND DIR 0x9 T SPD 12 KT VISIBILITY 0
 CLOUD 3 AMOUNT 8 DRY 26.9 WET 1017 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	28.470	33.666	21.240	0.000
10.	28.359	33.743	21.335	0.065
20.	28.027	34.034	21.662	0.128
30.	27.897	34.080	21.738	0.189
40.	27.426	34.084	21.894	0.249
50.	26.917	33.958	21.961	0.308
60.	25.741	33.874	22.266	0.365
70.	24.117	34.204	23.006	0.419
80.	22.138	34.411	23.733	0.464
90.	19.705	34.558	24.503	0.502
100.	16.791	34.686	25.323	0.532
110.	15.363	34.750	25.700	0.557
120.	14.355	34.772	25.936	0.579
130.	13.534	34.788	26.121	0.599
140.	13.289	34.787	26.170	0.618
150.	13.041	34.791	26.223	0.636
160.	12.901	34.795	26.254	0.654
170.	12.683	34.791	26.295	0.672
180.	12.632	34.792	26.306	0.690
190.	12.411	34.783	26.342	0.707
200.	12.325	34.783	26.359	0.724
250.	11.615	34.762	26.477	0.807
300.	10.969	34.736	26.576	0.884
350.	10.244	34.699	26.675	0.958
400.	9.614	34.662	26.754	1.027
450.	9.037	34.633	26.825	1.094
500.	8.471	34.605	26.893	1.157
550.	8.047	34.588	26.943	1.218
600.	7.457	34.567	27.013	1.276
650.	6.882	34.555	27.085	1.331
700.	6.354	34.548	27.150	1.383
750.	5.930	34.544	27.202	1.432
800.	5.623	34.543	27.239	1.479
850.	5.382	34.541	27.267	1.524
900.	5.076	34.544	27.305	1.568
950.	4.839	34.546	27.334	1.610
1000.	4.557	34.553	27.371	1.651
1011.	4.507	34.554	27.377	1.660

CAST EP2-85-DI-002 DATE 28 MAY 85 TIME 2354 GMT
LAT 09 00.9N LONG 109 59.6W

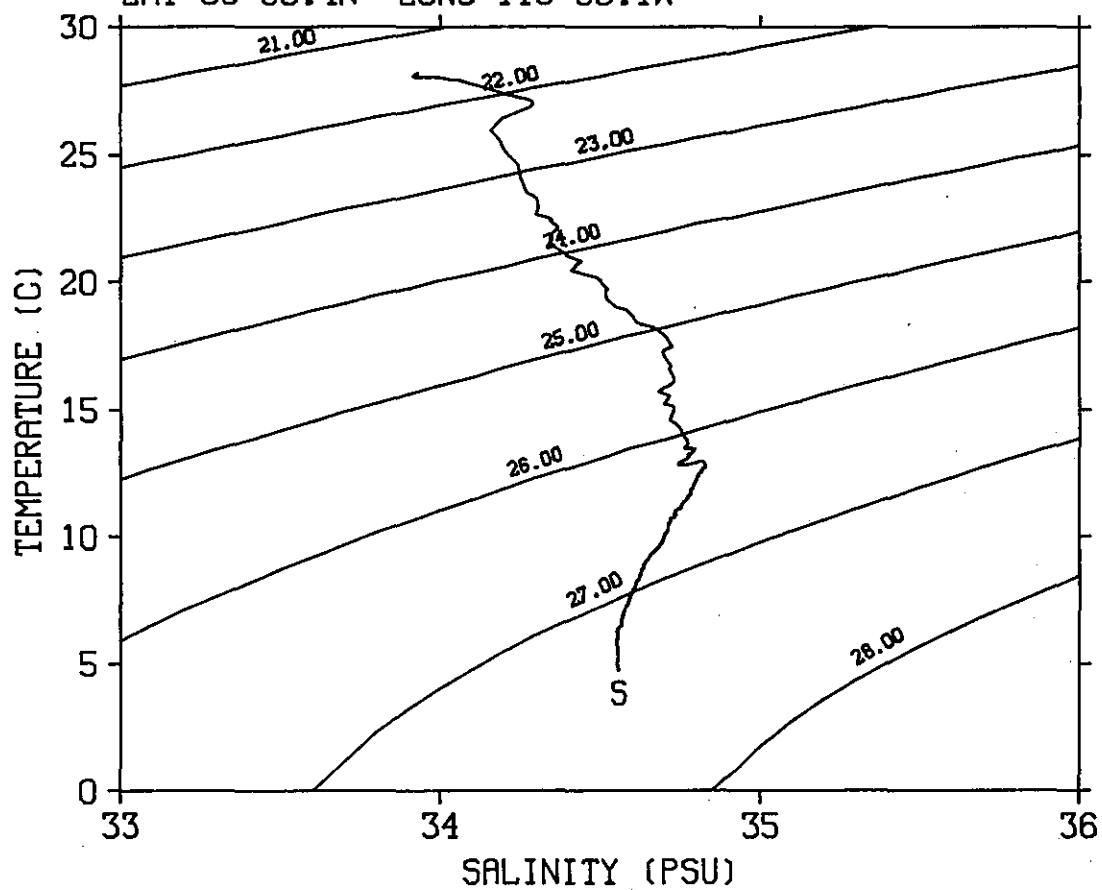


CAST EP2-85-DI-002 DATE 28 MAY 85 TIME 2354 GMT
 LAT 09 00.9N LONG 109 59.6W WEATHER 2 SEA STATE 1
 BAROMETER 08 WIND DIR 210 T SPD 06 KT VISIBILITY 8
 CLOUD 8 AMOUNT 8 DRY 26.2 WET 24.9 DEPTH 3858 M

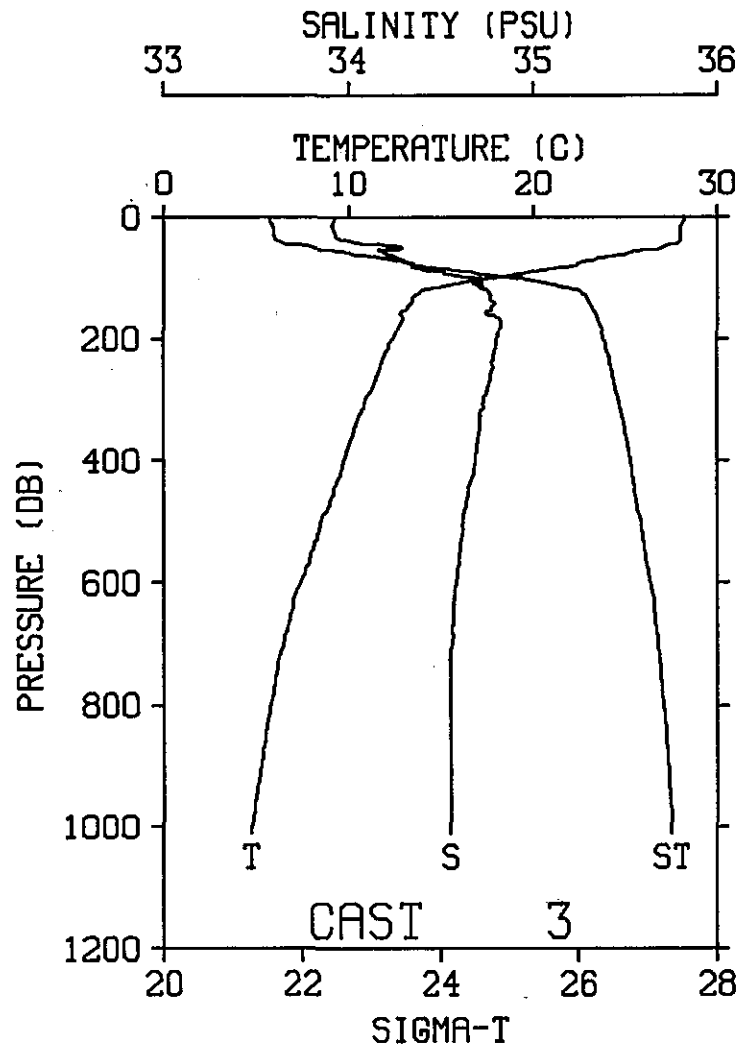


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	28.230	33.893	21.490	0.000
10.	28.174	33.903	21.515	0.063
20.	28.128	33.904	21.531	0.126
30.	27.998	33.915	21.582	0.188
40.	26.249	34.126	22.299	0.248
50.	25.213	34.193	22.668	0.302
60.	24.009	34.185	23.024	0.352
70.	22.841	34.300	23.450	0.398
80.	21.635	34.388	23.855	0.440
90.	20.282	34.468	24.283	0.479
100.	18.930	34.676	24.792	0.513
110.	17.341	34.722	25.220	0.543
120.	15.744	34.785	25.641	0.569
130.	14.676	34.830	25.912	0.592
140.	13.642	34.788	26.099	0.612
150.	13.321	34.815	26.185	0.631
160.	13.120	34.827	26.235	0.649
170.	12.825	34.824	26.292	0.667
180.	12.582	34.810	26.329	0.684
190.	12.490	34.805	26.344	0.701
200.	12.321	34.792	26.366	0.719
250.	11.594	34.767	26.485	0.801
300.	10.958	34.728	26.572	0.878
350.	10.370	34.716	26.667	0.953
400.	9.971	34.695	26.719	1.023
450.	9.526	34.673	26.777	1.092
500.	9.035	34.649	26.838	1.158
550.	8.432	34.628	26.916	1.222
600.	7.695	34.588	26.996	1.281
650.	7.130	34.570	27.062	1.337
700.	6.639	34.561	27.122	1.390
750.	6.232	34.545	27.164	1.441
800.	5.888	34.548	27.210	1.489
850.	5.521	34.547	27.254	1.536
900.	5.207	34.550	27.294	1.580
950.	4.972	34.552	27.324	1.623
1000.	4.672	34.557	27.361	1.664
1006.	4.649	34.557	27.364	1.669

CAST EP2-85-DI-003 DATE 29 MAY 85 TIME 0514 GMT
LAT 08 00.4N LONG 110 00.1W

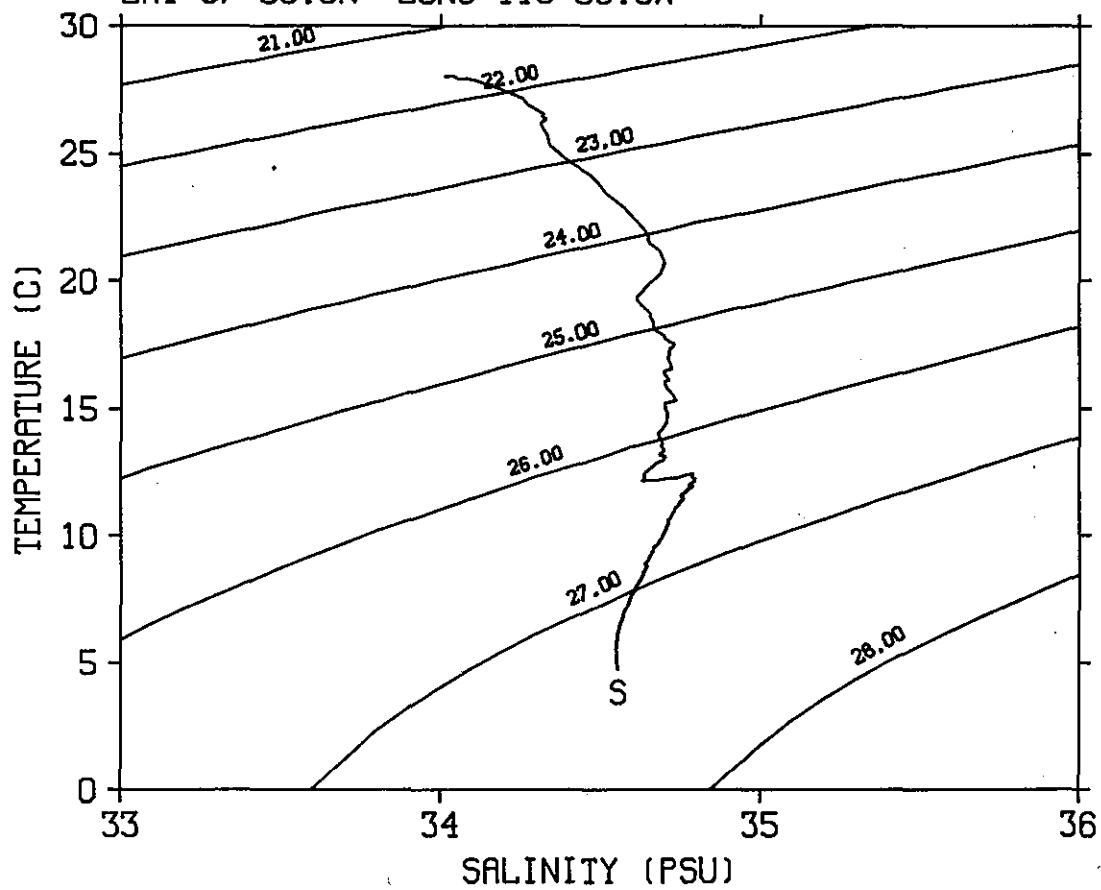


CAST EP2-85-DI-003 DATE 29 MAY 85 TIME 0514 GMT
 LAT 08 00.4N LONG 110 00.1W WEATHER 1 SEA STATE 2
 BAROMETER 10 WIND DIR 235 T SPD 04 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 26.1 WET 24.9 DEPTH 3548 M

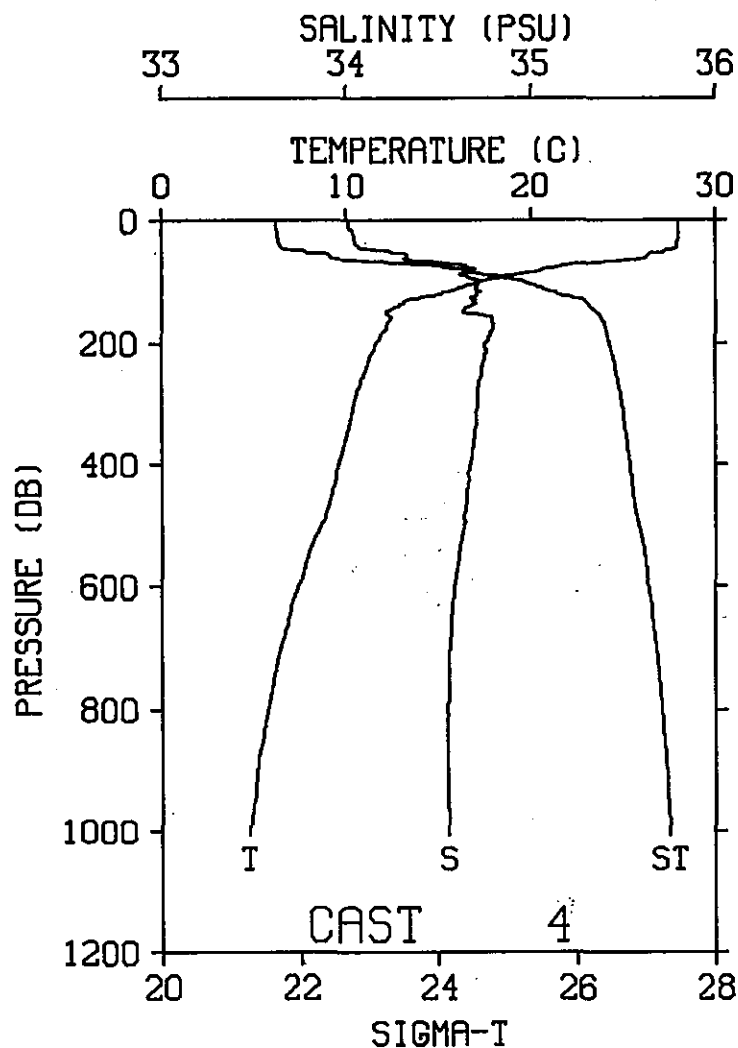


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	28.199	33.925	21.524	0.000
10.	28.092	33.914	21.550	0.063
20.	28.013	33.918	21.579	0.125
30.	28.002	33.927	21.589	0.187
40.	27.933	34.028	21.688	0.249
50.	26.997	34.291	22.187	0.308
60.	25.063	34.206	22.724	0.362
70.	23.279	34.303	23.326	0.410
80.	22.226	34.361	23.670	0.454
90.	19.896	34.508	24.415	0.493
100.	17.854	34.700	25.079	0.525
110.	15.698	34.678	25.569	0.551
120.	14.041	34.751	25.986	0.574
130.	13.540	34.767	26.103	0.594
140.	13.435	34.789	26.142	0.613
150.	13.133	34.774	26.191	0.632
160.	12.808	34.760	26.245	0.650
170.	12.902	34.822	26.275	0.668
180.	12.747	34.824	26.307	0.685
190.	12.581	34.816	26.334	0.703
200.	12.408	34.803	26.358	0.720
250.	11.713	34.781	26.474	0.802
300.	10.932	34.731	26.579	0.881
350.	10.345	34.708	26.665	0.955
400.	9.747	34.688	26.752	1.025
450.	9.214	34.651	26.811	1.092
500.	8.485	34.626	26.906	1.156
550.	8.001	34.606	26.965	1.216
600.	7.420	34.584	27.032	1.274
650.	6.880	34.571	27.098	1.327
700.	6.473	34.562	27.146	1.379
750.	6.079	34.554	27.191	1.428
800.	5.756	34.551	27.229	1.476
850.	5.515	34.555	27.261	1.522
900.	5.243	34.555	27.294	1.566
950.	4.982	34.553	27.323	1.609
1000.	4.764	34.557	27.351	1.651
1011.	4.750	34.557	27.353	1.660

CAST EP2-85-DI-004 DATE 29 MAY 85 TIME 1119 GMT
LAT 07 00.0N LONG 110 00.5W



CAST EP2-85-DI-004 DATE 29 MAY 85 TIME 1119 GMT
 LAT 07 00.0N LONG 110 00.5W WEATHER 1 SEA STATE 2
 BAROMETER 08 WIND DIR 190 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 7 DRY 25.5 WET 24.6 DEPTH 3657 M

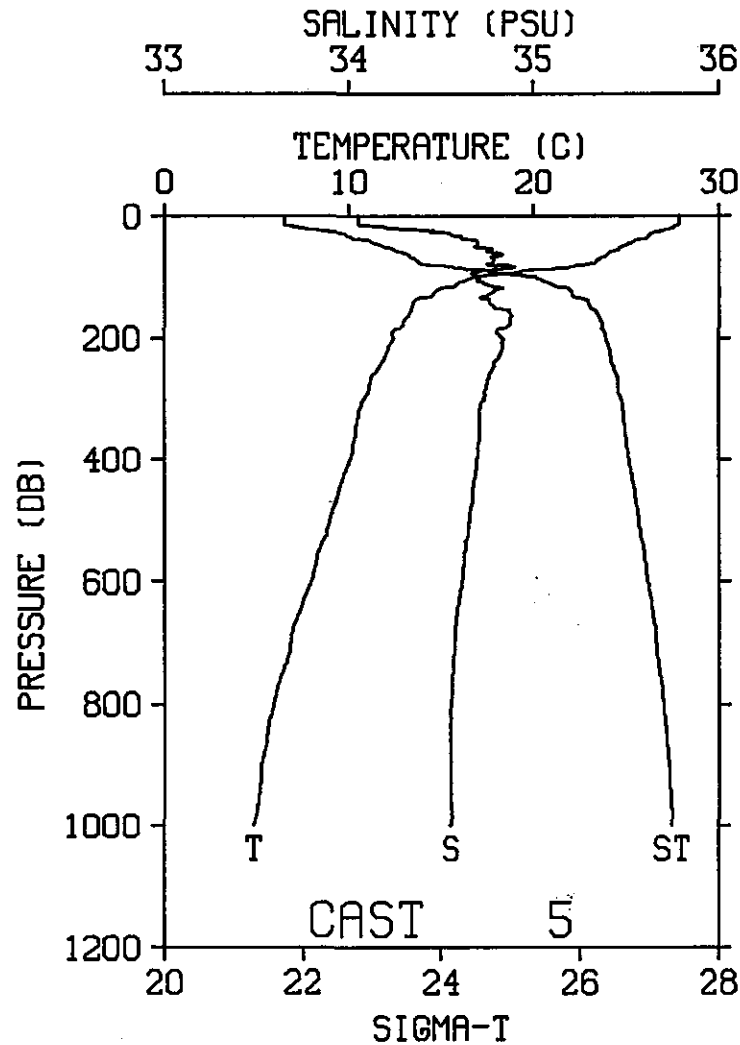


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	28.036	34.012	21.642	0.000
10.	28.038	34.013	21.642	0.062
20.	28.006	34.036	21.670	0.123
30.	27.999	34.043	21.678	0.184
40.	27.939	34.060	21.710	0.246
50.	27.229	34.239	22.074	0.306
60.	26.275	34.328	22.443	0.361
70.	22.885	34.574	23.646	0.411
80.	20.606	34.693	24.368	0.450
90.	18.684	34.657	24.840	0.484
100.	17.222	34.715	25.243	0.513
110.	16.070	34.704	25.504	0.539
120.	15.110	34.702	25.719	0.563
130.	13.247	34.692	26.105	0.584
140.	12.785	34.671	26.182	0.603
150.	12.146	34.633	26.277	0.621
160.	12.402	34.791	26.350	0.639
170.	12.213	34.797	26.391	0.655
180.	12.067	34.785	26.410	0.672
190.	11.815	34.773	26.448	0.688
200.	11.589	34.754	26.476	0.704
250.	10.978	34.732	26.571	0.782
300.	10.421	34.710	26.653	0.855
350.	10.044	34.697	26.709	0.926
400.	9.574	34.674	26.769	0.995
450.	9.196	34.655	26.817	1.061
500.	8.622	34.639	26.896	1.126
550.	7.911	34.610	26.981	1.185
600.	7.377	34.589	27.042	1.242
650.	6.893	34.573	27.098	1.296
700.	6.422	34.561	27.152	1.347
750.	6.028	34.553	27.196	1.396
800.	5.735	34.551	27.231	1.444
850.	5.466	34.550	27.263	1.489
900.	5.162	34.551	27.301	1.533
950.	4.976	34.552	27.323	1.576
1000.	4.775	34.556	27.349	1.618
1007.	4.736	34.556	27.354	1.624

LONG 110 00.2W

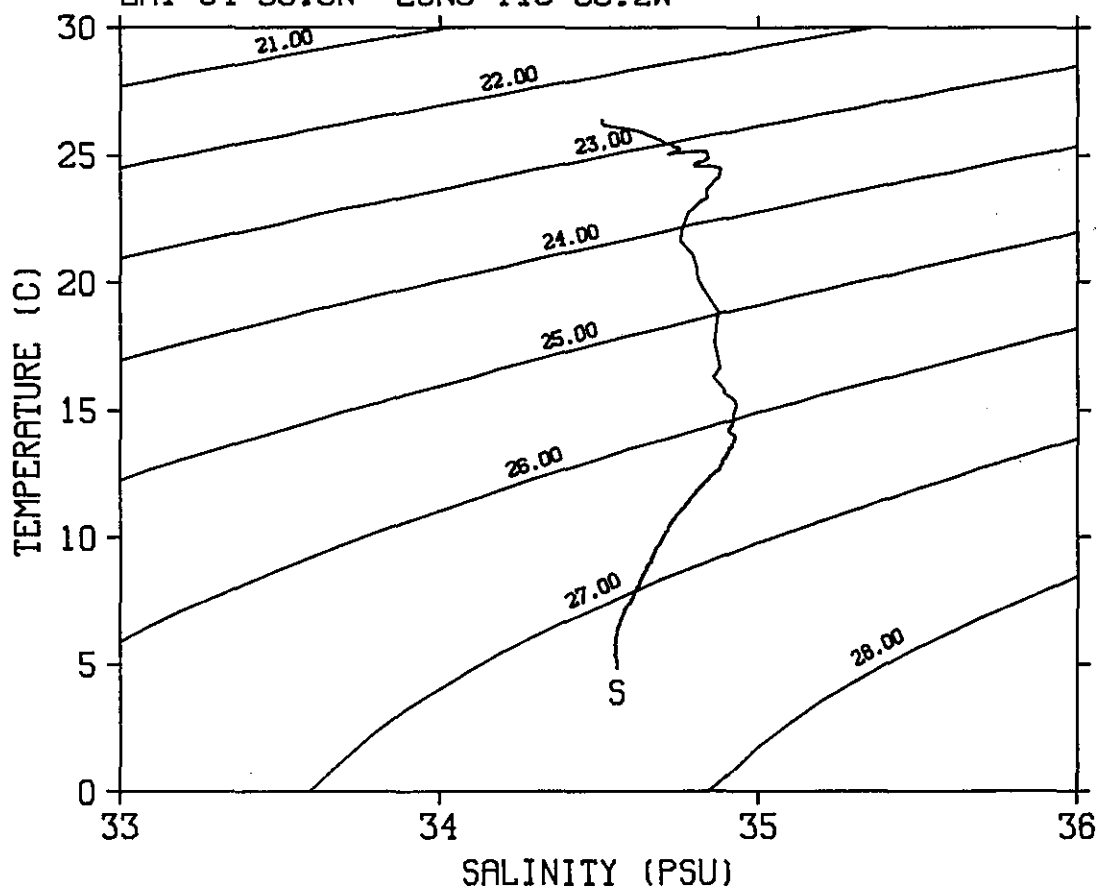


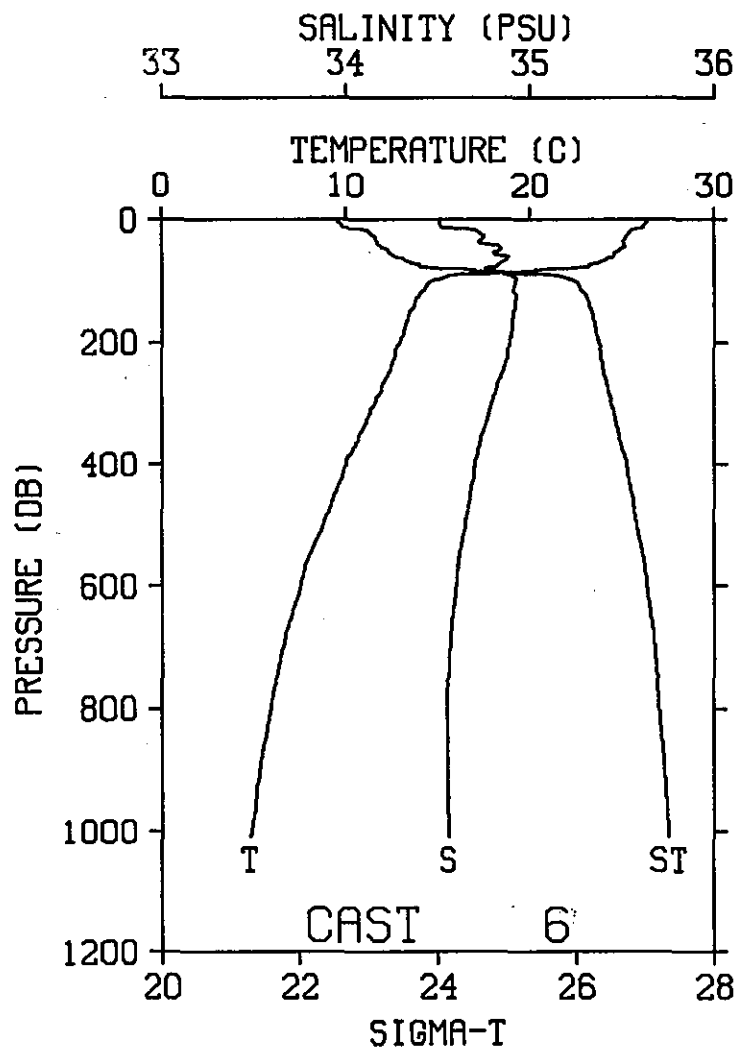
CAST EP2-85-DI-005 DATE 29 MAY 85 TIME 1700 GMT
 LAT 06 01.0N LONG 110 00.2W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 190 T SPD 15 KT VISIBILITY 8
 CLOUD 8 AMOUNT 5 DRY 28.0 WET 24.5 DEPTH 3621 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.846	34.054	21.736	0.000
10.	27.843	34.054	21.737	0.061
20.	27.454	34.244	22.005	0.121
30.	26.265	34.551	22.614	0.175
40.	25.455	34.690	22.969	0.227
50.	24.730	34.680	23.183	0.275
60.	24.053	34.806	23.480	0.320
70.	23.521	34.784	23.620	0.364
80.	22.411	34.820	23.967	0.406
90.	19.370	34.729	24.721	0.442
100.	16.678	34.697	25.359	0.472
110.	15.906	34.730	25.562	0.497
120.	14.863	34.799	25.848	0.520
130.	14.474	34.750	25.894	0.542
140.	13.464	34.762	26.115	0.562
150.	13.370	34.782	26.150	0.581
160.	13.231	34.874	26.249	0.599
170.	12.980	34.867	26.295	0.617
180.	12.871	34.864	26.314	0.635
190.	12.363	34.801	26.365	0.652
200.	12.427	34.835	26.379	0.669
250.	11.597	34.780	26.495	0.751
300.	10.842	34.730	26.594	0.827
350.	10.365	34.707	26.661	0.901
400.	10.045	34.695	26.707	0.972
450.	9.452	34.673	26.789	1.041
500.	8.964	34.652	26.852	1.107
550.	8.353	34.629	26.929	1.169
600.	7.946	34.612	26.978	1.229
650.	7.329	34.588	27.048	1.286
700.	6.842	34.572	27.103	1.339
750.	6.379	34.561	27.157	1.391
800.	5.902	34.554	27.213	1.440
850.	5.560	34.550	27.252	1.486
900.	5.244	34.552	27.292	1.531
950.	5.116	34.553	27.308	1.575
1000.	4.858	34.554	27.338	1.618

CAST EP2-85-DI-006 DATE 29 MAY 85 TIME 2247 GMT
LAT 04 59.9N LONG 110 00.2W

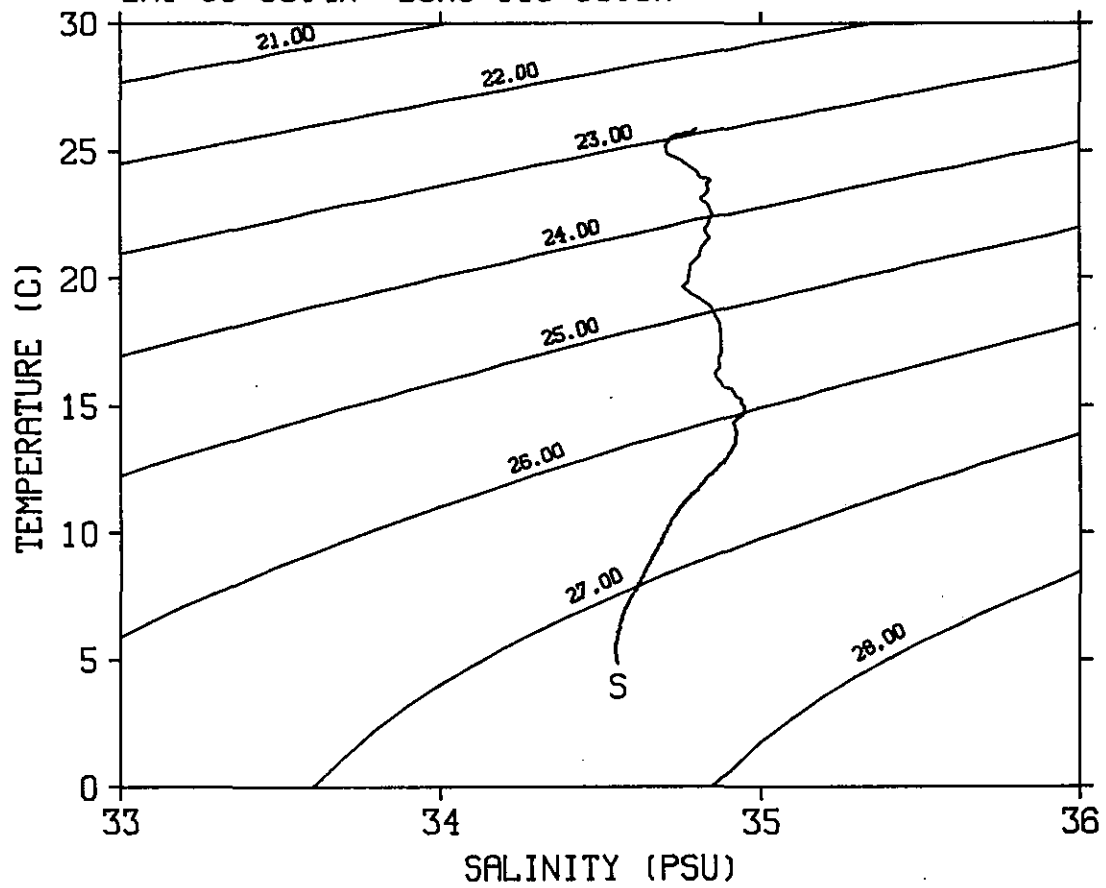


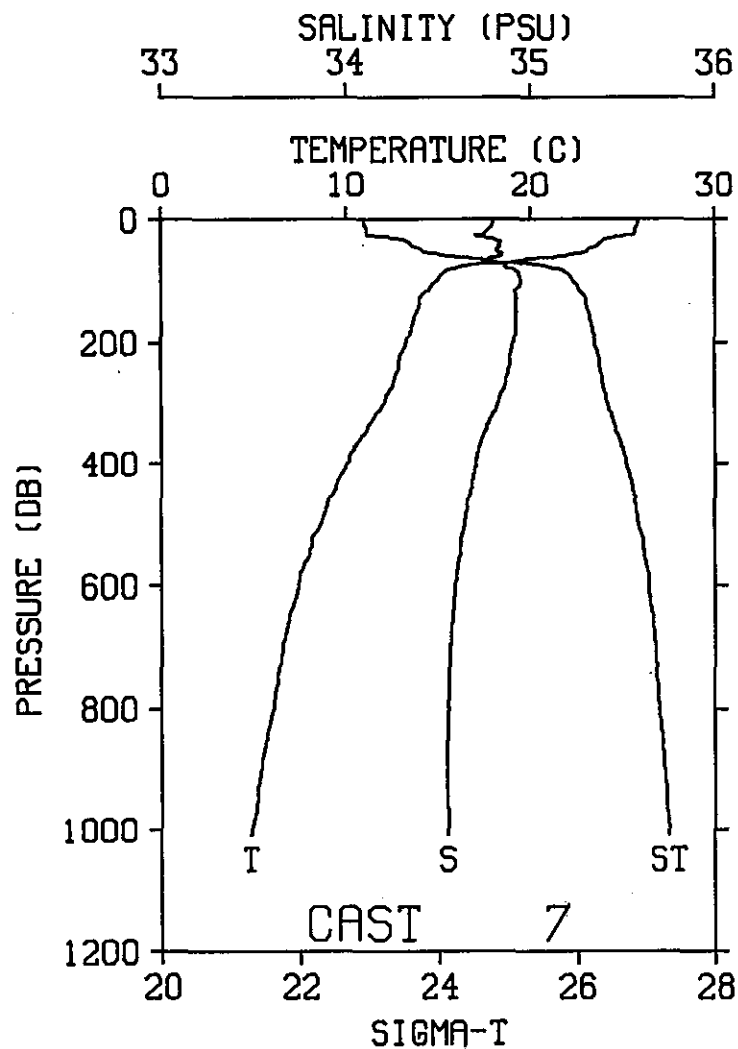


CAST EP2-85-DI-006 DATE 29 MAY 85 TIME 2247 GMT
 LAT 04 59.9N LONG 110 00.2W WEATHER 1 SEA STATE 3
 BAROMETER 07 WIND DIR 195 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 26.0 WET 23.5 DEPTH 3803 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.346	34.512	22.559	0.000
10.	26.187	34.514	22.610	0.053
20.	25.423	34.713	22.997	0.103
30.	25.163	34.748	23.103	0.151
40.	25.081	34.745	23.126	0.199
50.	24.797	34.836	23.281	0.246
60.	24.513	34.872	23.393	0.291
70.	23.698	34.845	23.614	0.335
80.	21.608	34.753	24.141	0.377
90.	16.263	34.857	25.578	0.408
100.	14.731	34.923	25.972	0.430
110.	14.337	34.910	26.047	0.450
120.	14.031	34.916	26.116	0.470
130.	13.788	34.921	26.171	0.489
140.	13.723	34.919	26.183	0.507
150.	13.461	34.905	26.226	0.526
160.	13.356	34.906	26.249	0.544
170.	13.258	34.902	26.265	0.562
180.	13.170	34.899	26.281	0.580
190.	13.069	34.894	26.297	0.597
200.	12.913	34.885	26.322	0.615
250.	12.360	34.850	26.404	0.700
300.	11.577	34.792	26.508	0.782
350.	10.773	34.739	26.614	0.858
400.	9.979	34.700	26.722	0.931
450.	9.331	34.672	26.808	0.999
500.	8.772	34.648	26.879	1.063
550.	8.014	34.617	26.971	1.124
600.	7.537	34.600	27.028	1.181
650.	7.057	34.580	27.080	1.236
700.	6.595	34.565	27.132	1.288
750.	6.237	34.556	27.172	1.338
800.	5.959	34.552	27.204	1.387
850.	5.642	34.552	27.244	1.434
900.	5.331	34.551	27.281	1.479
950.	5.092	34.555	27.312	1.523
1000.	4.880	34.556	27.337	1.565
1009.	4.819	34.556	27.344	1.573

CAST EP2-85-DI-007 DATE 30 MAY 85 TIME 0446 GMT
LAT 03 59.4N LONG 110 00.8W

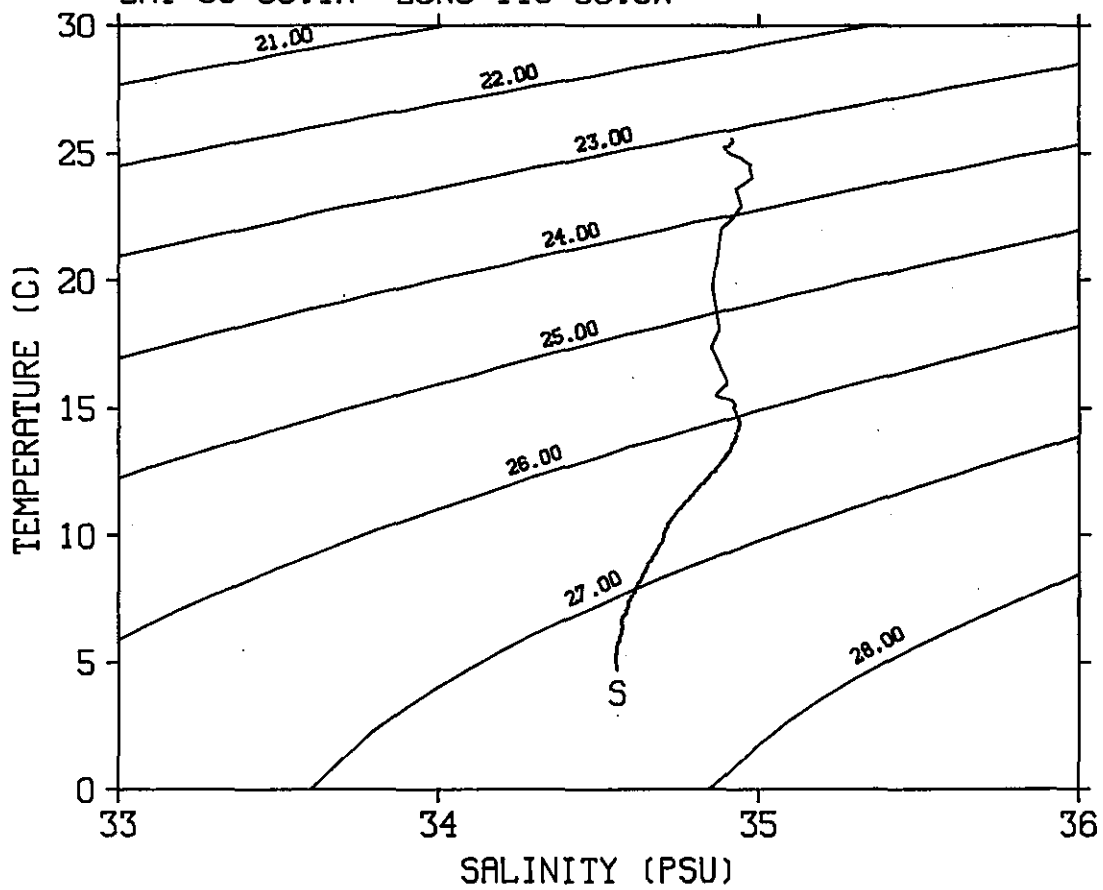




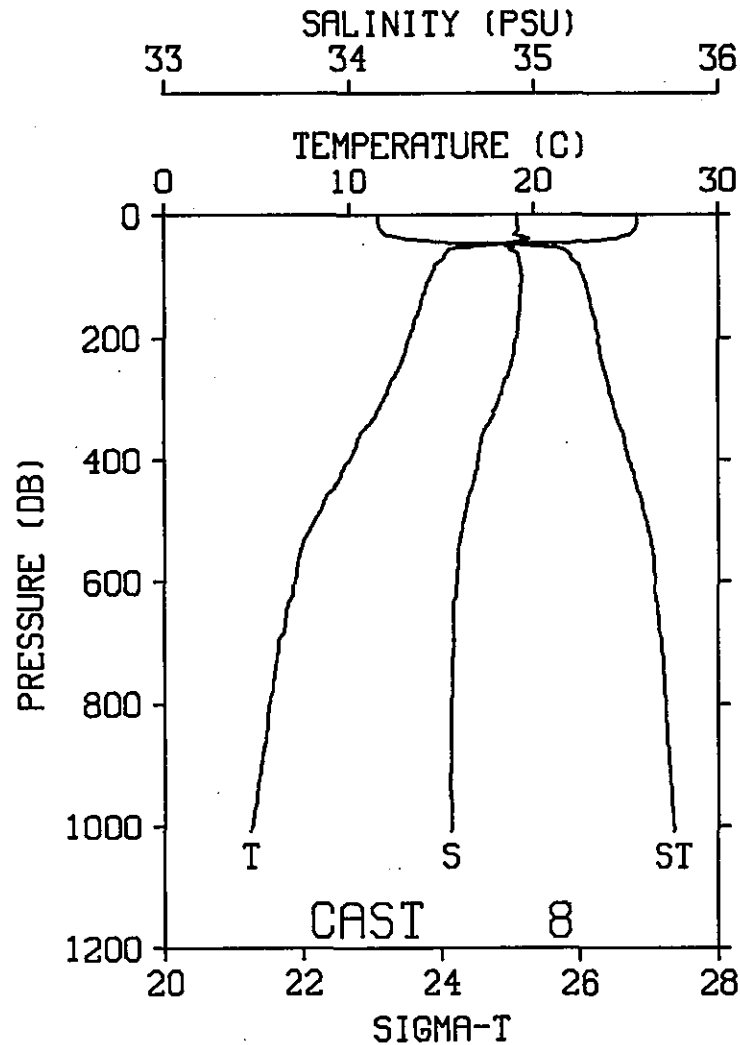
CAST EP2-85-DI-007 DATE 30 MAY 85 TIME 0446 GMT
 LAT 03 59.4N LONG 110 00.8W WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 195 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 24.8 WET 22.8 DEPTH 3749 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.854	34.798	22.928	0.000
10.	25.811	34.792	22.937	0.049
20.	25.647	34.760	22.964	0.098
30.	24.501	34.764	23.315	0.146
40.	23.686	34.831	23.608	0.190
50.	23.078	34.817	23.774	0.233
60.	21.545	34.842	24.225	0.272
70.	18.860	34.840	24.935	0.306
80.	15.727	34.880	25.718	0.331
90.	15.150	34.940	25.893	0.353
100.	14.915	34.947	25.951	0.374
110.	14.569	34.937	26.018	0.395
120.	14.168	34.918	26.089	0.414
130.	13.964	34.922	26.136	0.434
140.	13.938	34.921	26.139	0.453
150.	13.823	34.922	26.165	0.472
160.	13.686	34.921	26.192	0.490
170.	13.587	34.916	26.209	0.509
180.	13.509	34.916	26.225	0.527
190.	13.405	34.914	26.245	0.545
200.	13.269	34.908	26.268	0.563
250.	12.756	34.882	26.351	0.651
300.	12.069	34.825	26.441	0.736
350.	10.984	34.748	26.583	0.815
400.	10.095	34.704	26.705	0.888
450.	9.255	34.671	26.820	0.955
500.	8.613	34.643	26.900	1.019
550.	7.983	34.617	26.976	1.078
600.	7.423	34.594	27.039	1.135
650.	6.890	34.574	27.098	1.189
700.	6.526	34.564	27.140	1.241
750.	6.301	34.560	27.167	1.291
800.	6.048	34.558	27.197	1.340
850.	5.677	34.551	27.239	1.387
900.	5.377	34.547	27.271	1.433
950.	5.155	34.549	27.300	1.477
1000.	4.881	34.551	27.333	1.520
1010.	4.842	34.553	27.340	1.528

CAST EP2-85-DI-008 DATE 30 MAY 85 TIME 1043 GMT
LAT 03 00.1N LONG 110 00.0W

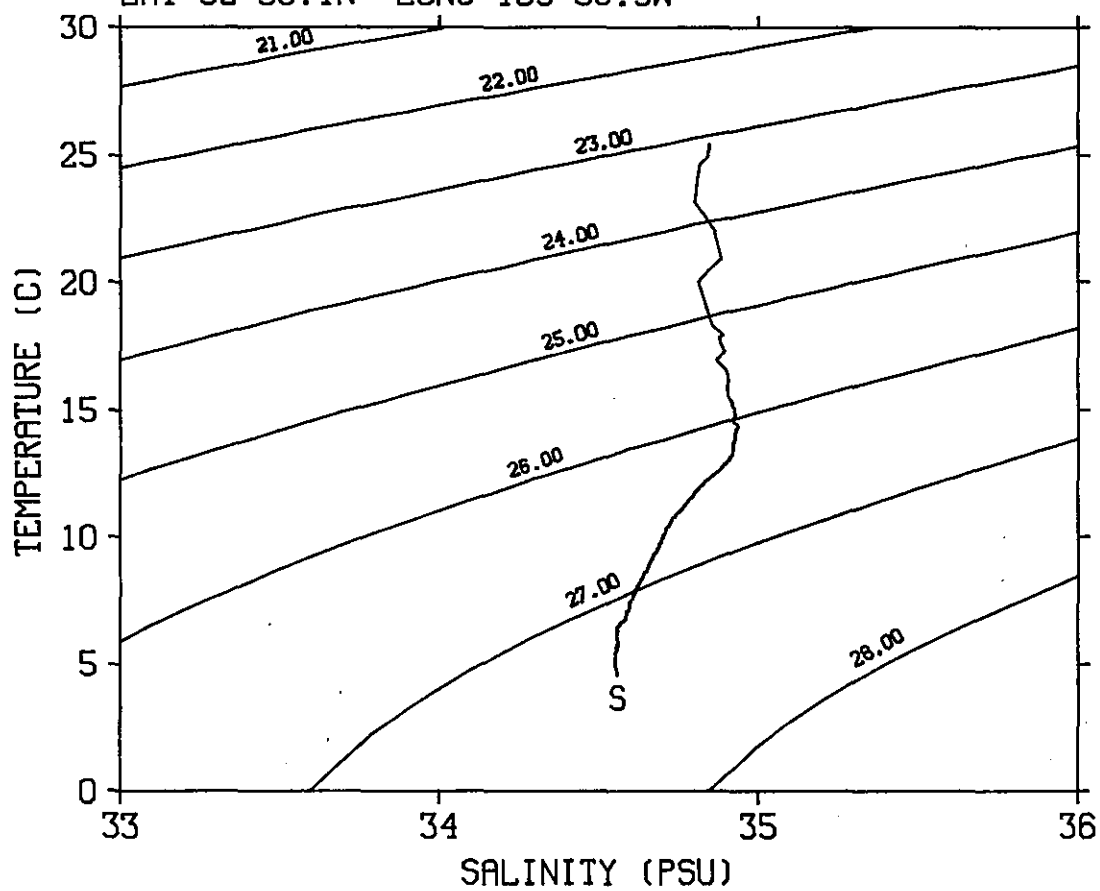


CAST EP2-85-DI-008 DATE 30 MAY 85 TIME 1043 GMT
 LAT 03 00.1N LONG 110 00.0W WEATHER 1 SEA STATE 2
 BAROMETER 10 WIND DIR 160 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 24.0 WET 21.8 DEPTH 3890 M

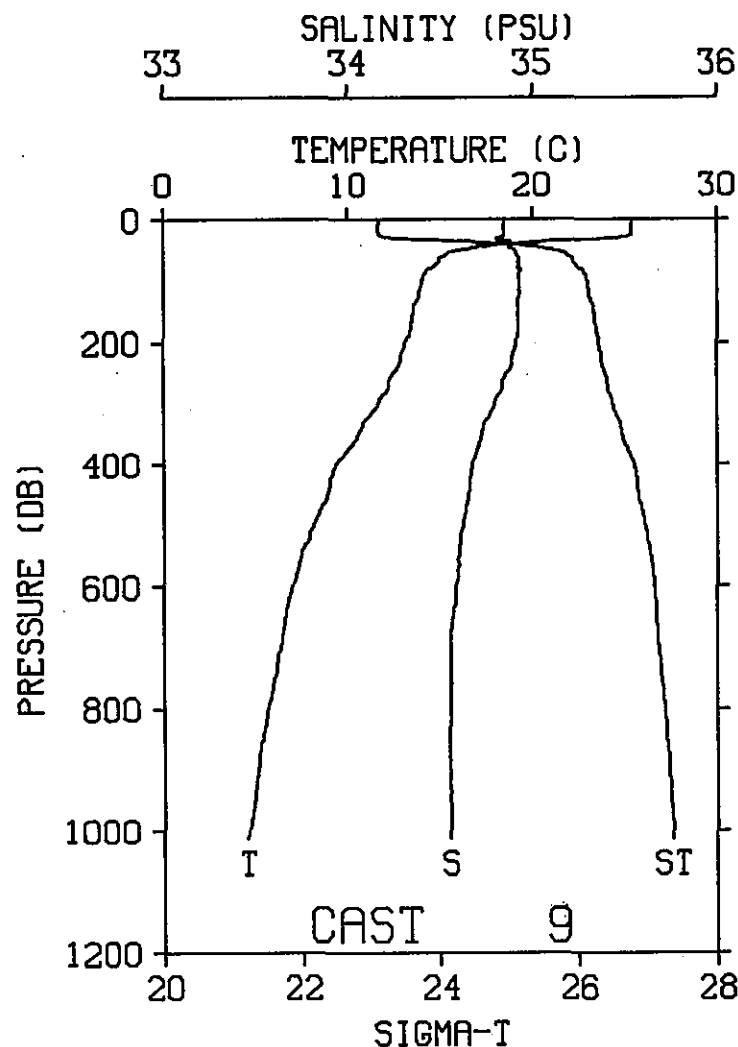


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.587	34.914	23.098	0.000
10.	25.587	34.913	23.098	0.048
20.	25.546	34.916	23.113	0.095
30.	25.328	34.908	23.173	0.143
40.	24.039	34.978	23.615	0.188
50.	17.339	34.849	25.318	0.224
60.	15.345	34.907	25.825	0.247
70.	15.170	34.921	25.874	0.269
80.	14.743	34.926	25.972	0.290
90.	14.612	34.933	26.006	0.310
100.	14.405	34.939	26.055	0.330
110.	14.244	34.935	26.086	0.350
120.	14.144	34.931	26.104	0.369
130.	14.021	34.931	26.130	0.388
140.	13.939	34.929	26.146	0.407
150.	13.860	34.927	26.161	0.426
160.	13.719	34.923	26.187	0.445
170.	13.547	34.916	26.217	0.464
180.	13.469	34.915	26.233	0.482
190.	13.380	34.910	26.247	0.500
200.	13.268	34.909	26.269	0.518
250.	12.722	34.875	26.352	0.606
300.	11.916	34.815	26.462	0.690
350.	10.816	34.739	26.606	0.769
400.	10.065	34.701	26.708	0.842
450.	9.117	34.663	26.836	0.909
500.	8.113	34.621	26.960	0.970
550.	7.353	34.591	27.047	1.026
600.	7.037	34.584	27.087	1.080
650.	6.628	34.570	27.131	1.132
700.	6.190	34.567	27.186	1.182
750.	5.957	34.563	27.213	1.230
800.	5.673	34.556	27.243	1.276
850.	5.507	34.555	27.263	1.322
900.	5.232	34.552	27.293	1.366
950.	4.973	34.550	27.322	1.409
1000.	4.706	34.556	27.356	1.451
1010.	4.681	34.556	27.359	1.459

CAST EP2-85-DI-009 DATE 30 MAY 85 TIME 1422 GMT
LAT 02 30.1N LONG 109 59.3W

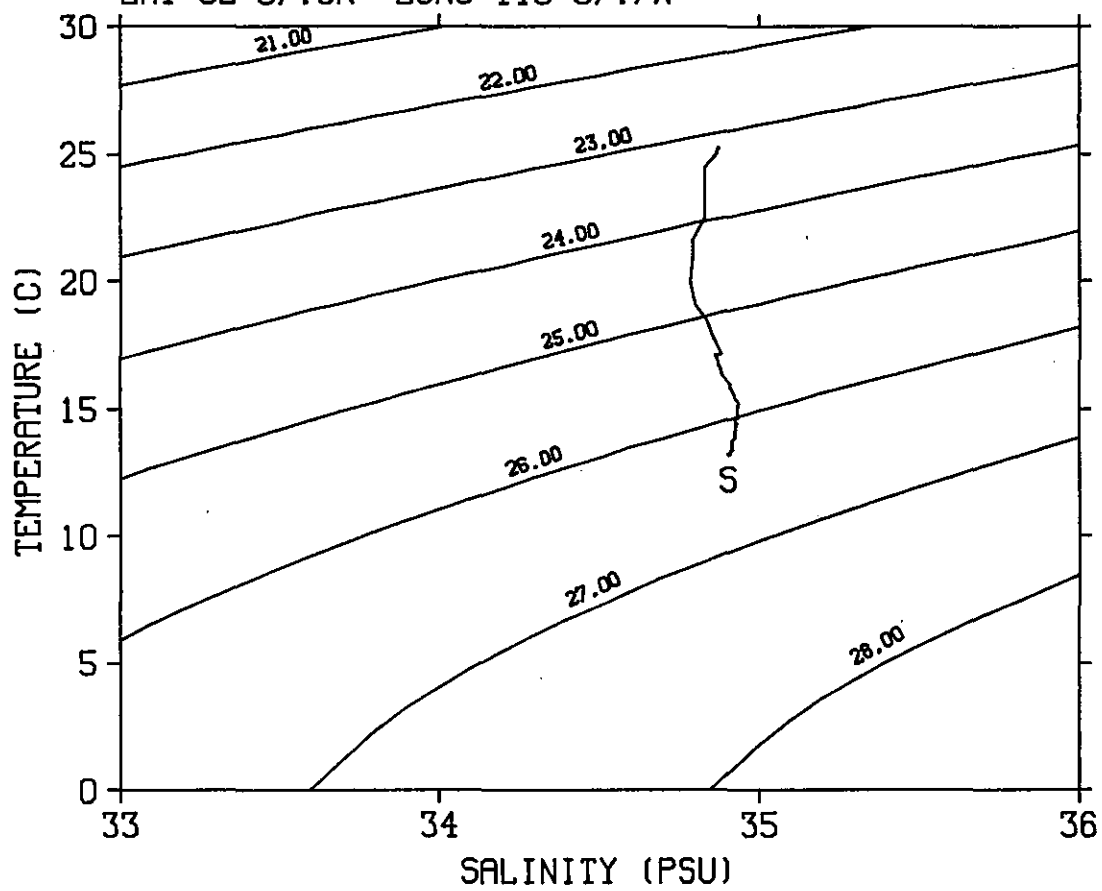


CAST EP2-85-DI-009 DATE 30 MAY 85 TIME 1422 GMT
 LAT 02 30.1N LONG 109 59.3W WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 175 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 22.0 WET 24.8 DEPTH 3859 M

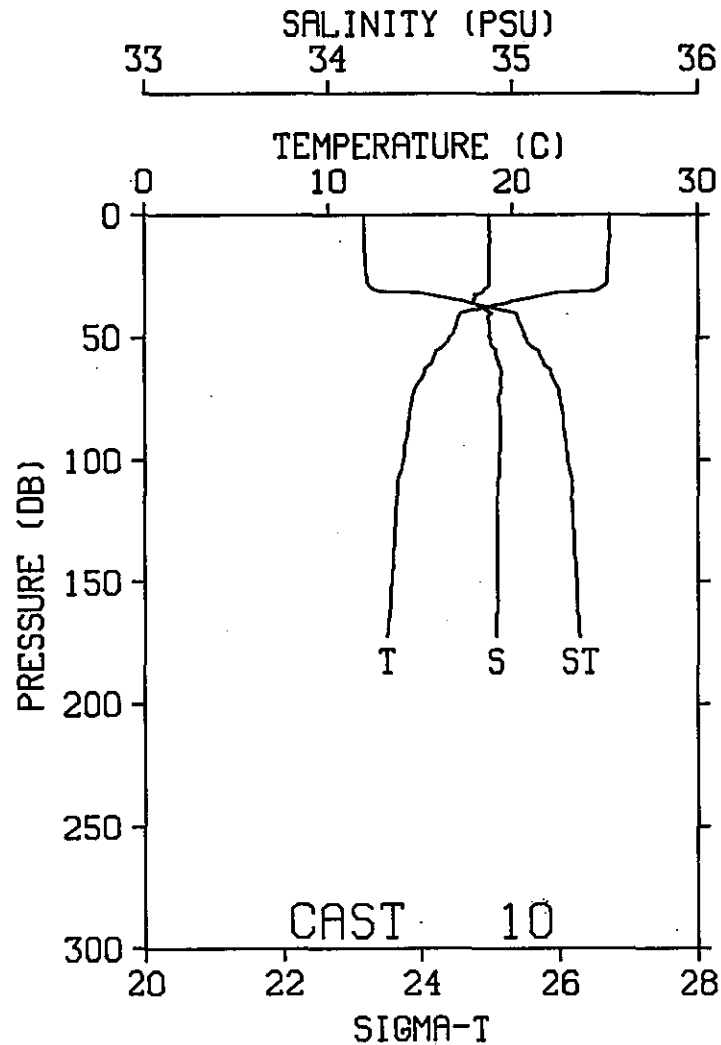


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.394	34.846	23.107	0.000
10.	25.395	34.846	23.106	0.048
20.	25.394	34.846	23.106	0.095
30.	24.657	34.815	23.307	0.142
40.	18.320	34.854	25.082	0.180
50.	16.051	34.905	25.664	0.206
60.	15.157	34.921	25.877	0.228
70.	14.930	34.924	25.930	0.249
80.	14.433	34.931	26.043	0.269
90.	14.109	34.929	26.110	0.289
100.	14.012	34.925	26.127	0.308
110.	13.950	34.927	26.142	0.327
120.	13.868	34.927	26.159	0.346
130.	13.768	34.924	26.178	0.364
140.	13.580	34.918	26.212	0.383
150.	13.530	34.919	26.223	0.401
160.	13.454	34.920	26.239	0.419
170.	13.430	34.920	26.244	0.437
180.	13.377	34.919	26.254	0.456
190.	13.267	34.918	26.276	0.473
200.	13.134	34.912	26.298	0.491
250.	12.452	34.861	26.394	0.578
300.	11.632	34.797	26.502	0.660
350.	10.549	34.725	26.642	0.736
400.	9.352	34.675	26.807	0.806
450.	8.853	34.655	26.872	0.870
500.	8.095	34.621	26.962	0.931
550.	7.445	34.598	27.040	0.988
600.	6.966	34.587	27.098	1.041
650.	6.596	34.568	27.133	1.092
700.	6.315	34.559	27.164	1.143
750.	5.993	34.555	27.202	1.191
800.	5.624	34.554	27.247	1.238
850.	5.351	34.550	27.277	1.283
900.	5.073	34.553	27.312	1.326
950.	4.881	34.553	27.334	1.368
1000.	4.584	34.557	27.371	1.409
1014.	4.568	34.558	27.374	1.420

CAST EP2-85-DI-010 DATE 31 MAY 85 TIME 0931 GMT
LAT 02 07.3N LONG 110 07.7W

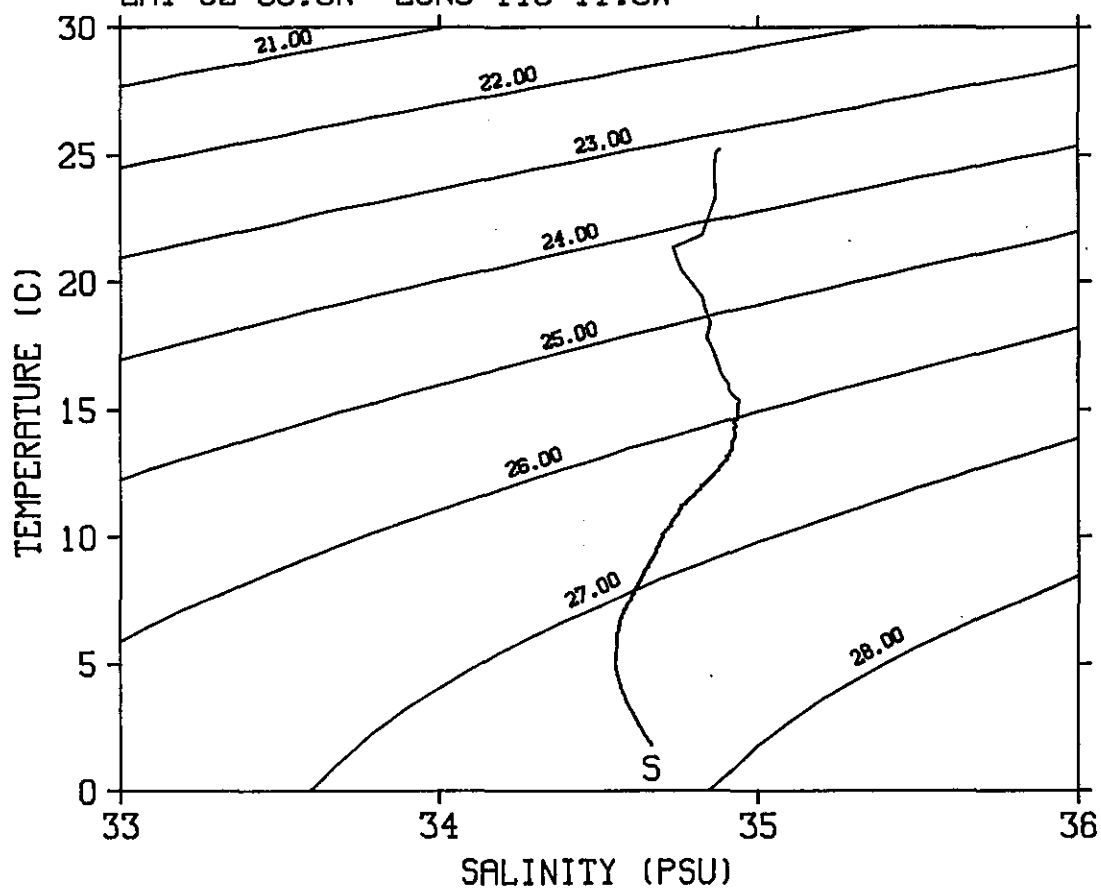


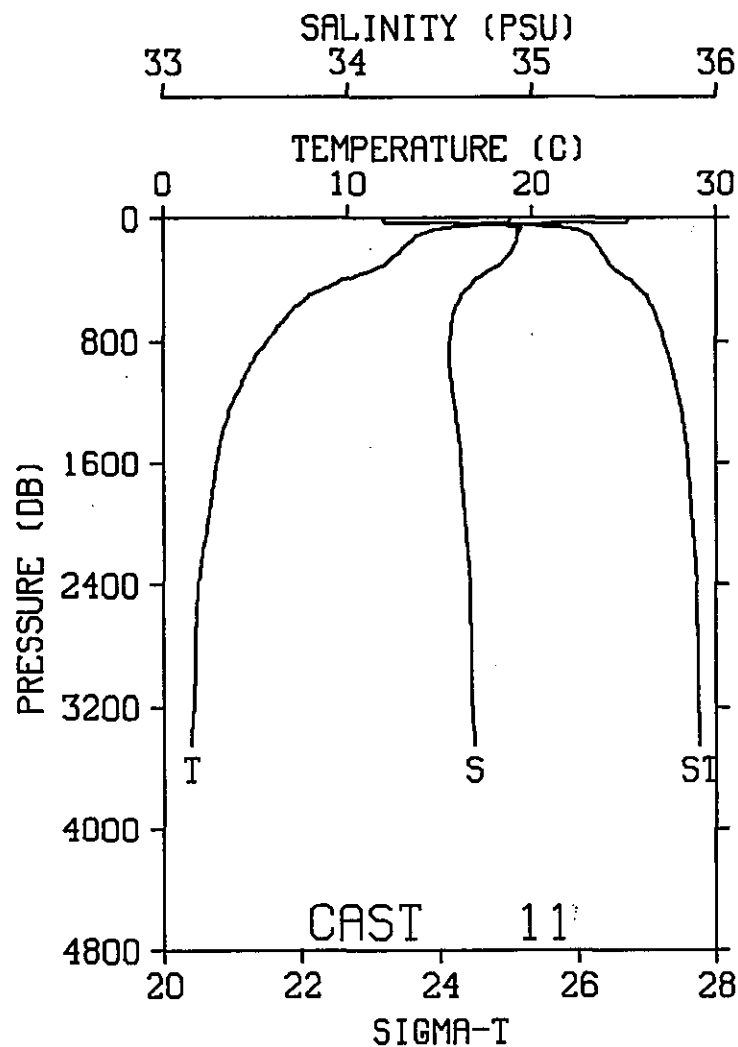
CAST EP2-85-DI-010 DATE 31 MAY 85 TIME 0931 GMT
 LAT 02 07.3N LONG 110 07.7W WEATHER 1 SEA STATE 2
 BAROMETER 12 WIND DIR 175 T SPD 12 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 24.1 WET 22.8 DEPTH 3640 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.237	34.873	23.175	0.000
10.	25.236	34.876	23.177	0.047
20.	25.145	34.871	23.201	0.094
30.	24.731	34.848	23.309	0.140
40.	17.143	34.882	25.391	0.175
50.	16.577	34.880	25.523	0.200
60.	15.622	34.921	25.774	0.224
70.	14.774	34.935	25.972	0.245
80.	14.406	34.931	26.048	0.265
90.	14.256	34.927	26.078	0.285
100.	14.033	34.926	26.123	0.304
110.	13.713	34.916	26.183	0.323
120.	13.664	34.917	26.194	0.341
130.	13.580	34.916	26.211	0.359
140.	13.505	34.917	26.226	0.378
150.	13.382	34.915	26.251	0.396
160.	13.315	34.913	26.263	0.414
170.	13.182	34.906	26.284	0.432
173.	13.137	34.904	26.292	0.437

CAST EP2-85-DI-011 DATE 31 MAY 85 TIME 1214 GMT
LAT 02 06.8N LONG 110 11.0W

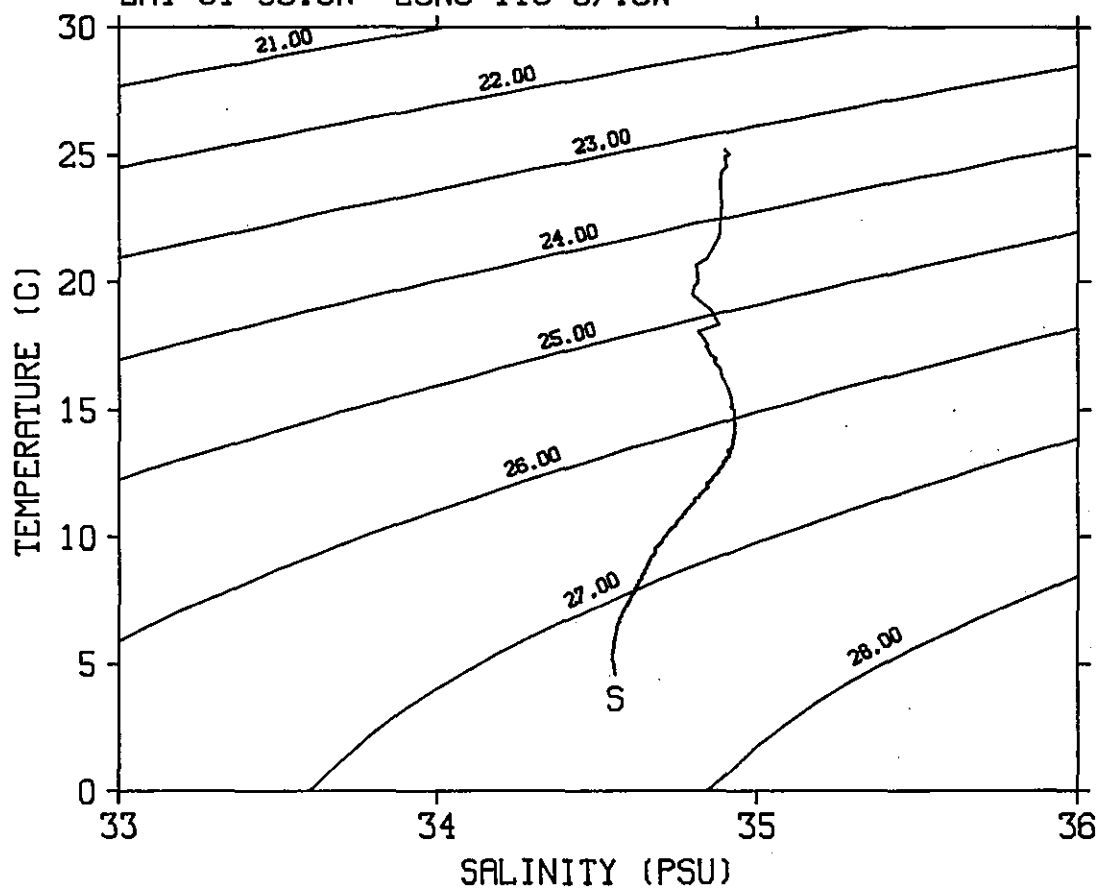


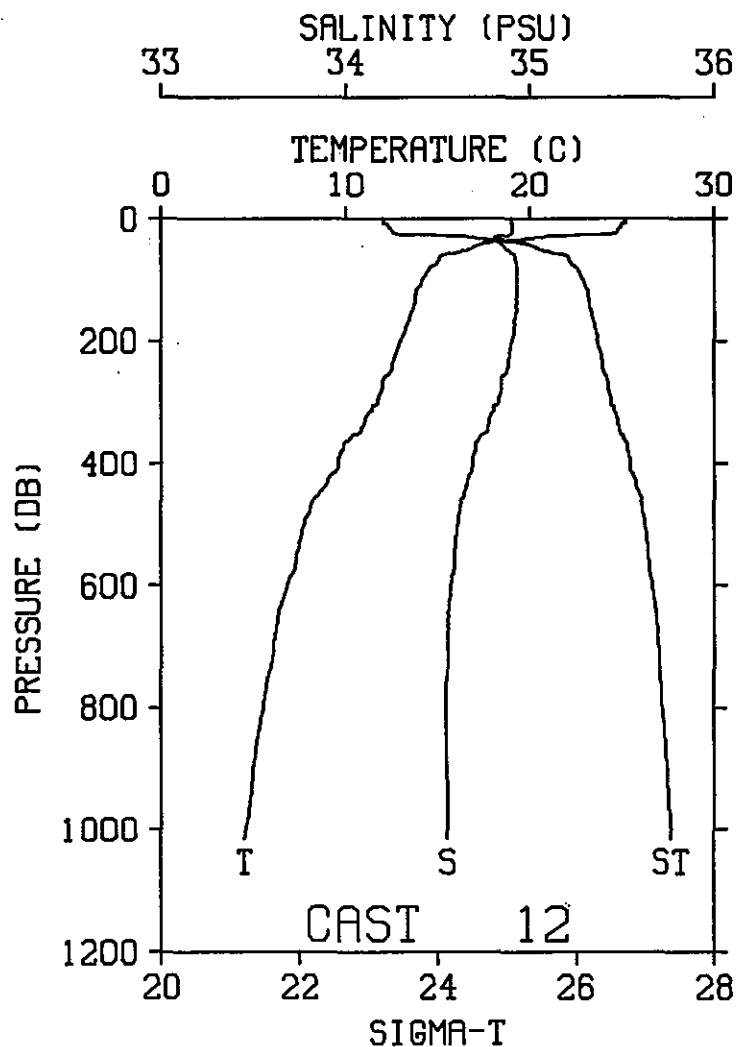


CAST EP2-85-DI-011 DATE 31 MAY 85 TIME 1214 GMT
 LAT 02 06.8N LONG 110 11.0W WEATHER 1 SEA STATE 1
 BAROMETER 11 WIND DIR 185 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 24.0 WET 22.7 DEPTH 3640 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T (DYN M)	DELTA-D (DYN M)
0.	25.218	34.879	23.185	0.000
10.	25.215	34.878	23.185	0.047
20.	25.208	34.876	23.186	0.094
30.	25.120	34.873	23.210	0.140
40.	19.404	34.824	24.784	0.182
50.	16.899	34.870	25.439	0.210
60.	15.938	34.907	25.691	0.234
70.	15.196	34.935	25.879	0.257
80.	14.788	34.933	25.968	0.277
90.	14.409	34.928	26.046	0.298
100.	14.186	34.926	26.091	0.317
110.	13.979	34.926	26.135	0.336
120.	13.720	34.918	26.183	0.355
130.	13.655	34.917	26.196	0.374
140.	13.580	34.916	26.211	0.392
150.	13.476	34.917	26.232	0.410
160.	13.331	34.913	26.259	0.428
170.	13.257	34.910	26.271	0.446
180.	13.139	34.903	26.291	0.464
190.	13.063	34.903	26.306	0.482
200.	12.943	34.896	26.325	0.499
250.	12.468	34.864	26.393	0.585
300.	12.049	34.830	26.448	0.669
350.	11.068	34.754	26.572	0.748
400.	9.794	34.692	26.747	0.821
450.	8.967	34.660	26.857	0.887
500.	7.968	34.615	26.977	0.947
550.	7.470	34.596	27.034	1.004
600.	6.952	34.576	27.091	1.058
650.	6.635	34.567	27.128	1.109
700.	6.269	34.560	27.171	1.159
750.	5.931	34.558	27.213	1.208
800.	5.659	34.557	27.246	1.254
850.	5.328	34.555	27.284	1.299
900.	4.963	34.553	27.325	1.342
950.	4.733	34.555	27.353	1.383
1000.	4.531	34.559	27.379	1.424
1500.	3.026	34.608	27.570	1.768
2000.	2.373	34.636	27.650	2.054
2500.	1.850	34.663	27.714	2.303
3000.	1.703	34.671	27.731	2.536
3457.	1.503	34.686	27.758	2.743

CAST EP2-85-DI-012 DATE 31 MAY 85 TIME 2218 GMT
LAT 01 30.3N LONG 110 07.0W

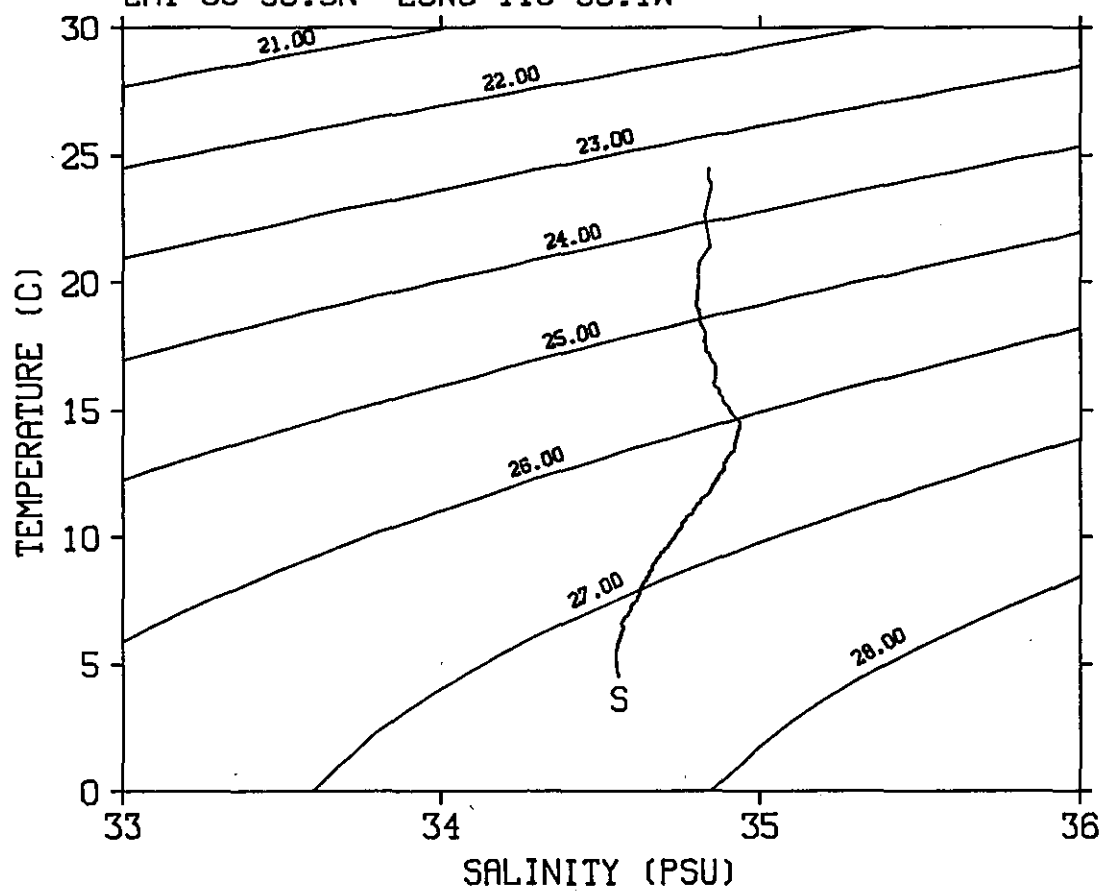


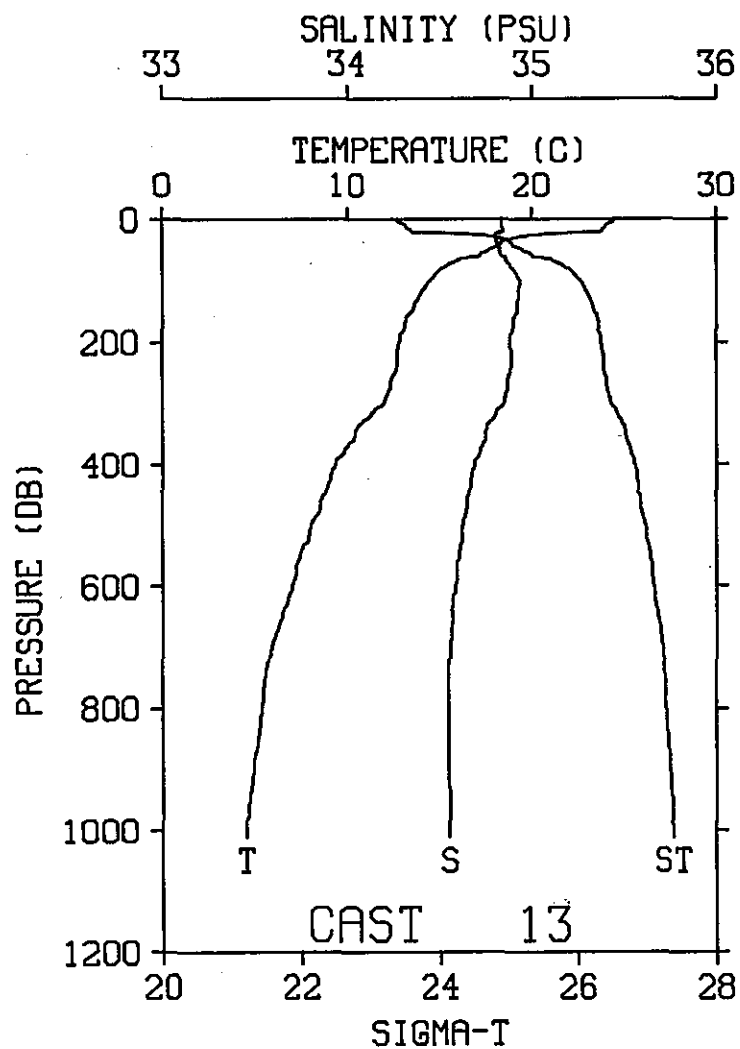


CAST EP2-85-DI-012 DATE 31 MAY 85 TIME 2218 GMT
 LAT 01 30.3N LONG 110 07.0W WEATHER 1 SEA STATE 2
 BAROMETER 09 WIND DIR 160 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 4 DRY 24.5 WET 23.0 DEPTH 3658 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.166	34.899	23.216	0.000
10.	24.941	34.900	23.285	0.046
20.	24.744	34.900	23.345	0.092
30.	20.654	34.809	24.443	0.134
40.	17.493	34.844	25.277	0.165
50.	16.760	34.869	25.472	0.191
60.	15.235	34.919	25.859	0.215
70.	15.001	34.922	25.912	0.236
80.	14.611	34.925	26.000	0.257
90.	14.369	34.926	26.053	0.277
100.	14.164	34.926	26.096	0.296
110.	14.026	34.925	26.124	0.315
120.	13.807	34.923	26.169	0.334
130.	13.758	34.922	26.178	0.353
140.	13.714	34.922	26.188	0.372
150.	13.606	34.922	26.210	0.390
160.	13.479	34.918	26.233	0.408
170.	13.334	34.910	26.256	0.426
180.	13.250	34.913	26.275	0.444
190.	13.110	34.907	26.300	0.462
200.	12.999	34.901	26.317	0.480
250.	12.461	34.874	26.403	0.565
300.	11.743	34.829	26.506	0.646
350.	10.734	34.760	26.637	0.722
400.	9.577	34.684	26.777	0.791
450.	8.517	34.636	26.910	0.855
500.	7.751	34.608	27.003	0.913
550.	7.367	34.591	27.045	0.969
600.	6.822	34.571	27.105	1.022
650.	6.313	34.559	27.164	1.073
700.	6.082	34.556	27.191	1.121
750.	5.794	34.552	27.225	1.169
800.	5.548	34.548	27.252	1.215
850.	5.223	34.546	27.290	1.259
900.	4.970	34.549	27.321	1.302
950.	4.833	34.551	27.338	1.344
1000.	4.574	34.552	27.369	1.385
1015.	4.538	34.554	27.374	1.397

CAST EP2-85-DI-013 DATE 01 JUN 85 TIME 0203 GMT
LAT 00 59.3N LONG 110 00.1W

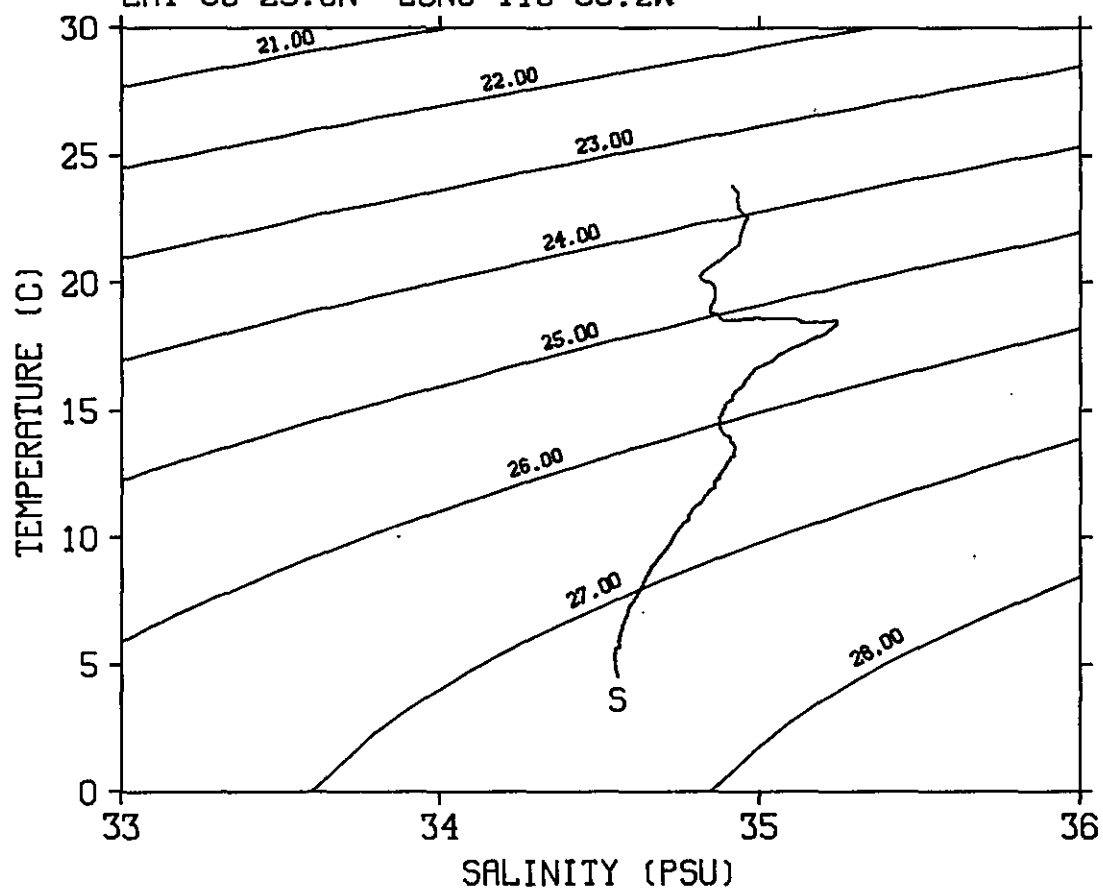




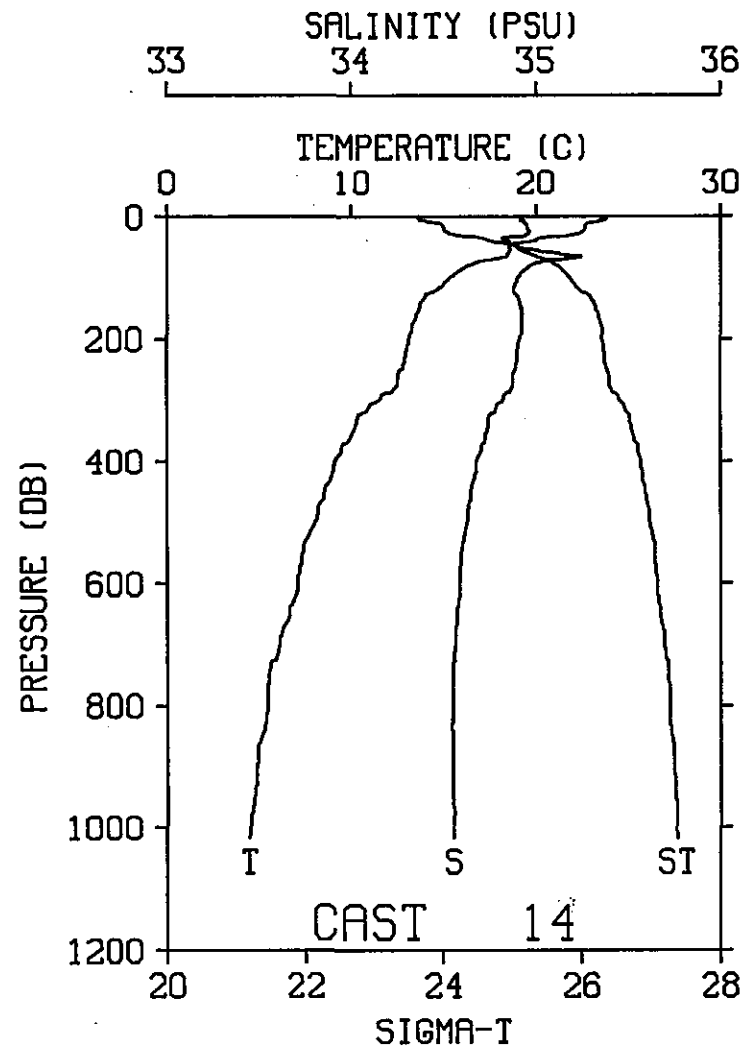
CAST EP2-85-DI-013 DATE 01 JUN 85 TIME 0203 GMT
 LAT 00 59.3N LONG 110 00.1W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 165 T SPD 12 KT VISIBILITY 7
 CLOUD 7 AMOUNT 3 DRY 23.0 WET 24.0 DEPTH 3657 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	24.455	34.838	23.385	0.000
10.	24.023	34.837	23.512	0.044
20.	23.767	34.847	23.596	0.088
30.	19.109	34.798	24.840	0.123
40.	18.318	34.815	25.053	0.153
50.	17.704	34.828	25.214	0.182
60.	17.169	34.839	25.352	0.209
70.	15.773	34.870	25.701	0.233
80.	15.158	34.897	25.859	0.256
90.	14.768	34.914	25.957	0.277
100.	14.481	34.935	26.036	0.297
110.	14.220	34.932	26.088	0.317
120.	14.000	34.925	26.130	0.336
130.	13.797	34.924	26.171	0.355
140.	13.612	34.920	26.207	0.373
150.	13.493	34.919	26.231	0.392
160.	13.181	34.902	26.281	0.409
170.	13.118	34.900	26.292	0.427
180.	13.067	34.896	26.299	0.445
190.	12.887	34.886	26.328	0.462
200.	12.837	34.884	26.336	0.480
250.	12.590	34.882	26.384	0.565
300.	11.982	34.850	26.477	0.648
350.	10.399	34.751	26.689	0.723
400.	9.347	34.686	26.816	0.791
450.	8.715	34.661	26.898	0.854
500.	8.018	34.625	26.977	0.914
550.	7.424	34.605	27.048	0.971
600.	6.987	34.586	27.095	1.024
650.	6.477	34.570	27.151	1.075
700.	5.837	34.554	27.221	1.123
750.	5.524	34.548	27.255	1.169
800.	5.352	34.546	27.274	1.213
850.	5.119	34.547	27.303	1.257
900.	4.883	34.548	27.331	1.299
950.	4.650	34.552	27.360	1.340
1000.	4.522	34.555	27.377	1.380
1011.	4.519	34.556	27.378	1.389

CAST EP2-85-DI-014 DATE 01 JUN 85 TIME 0608 GMT
LAT 00 29.8N LONG 110 00.2W

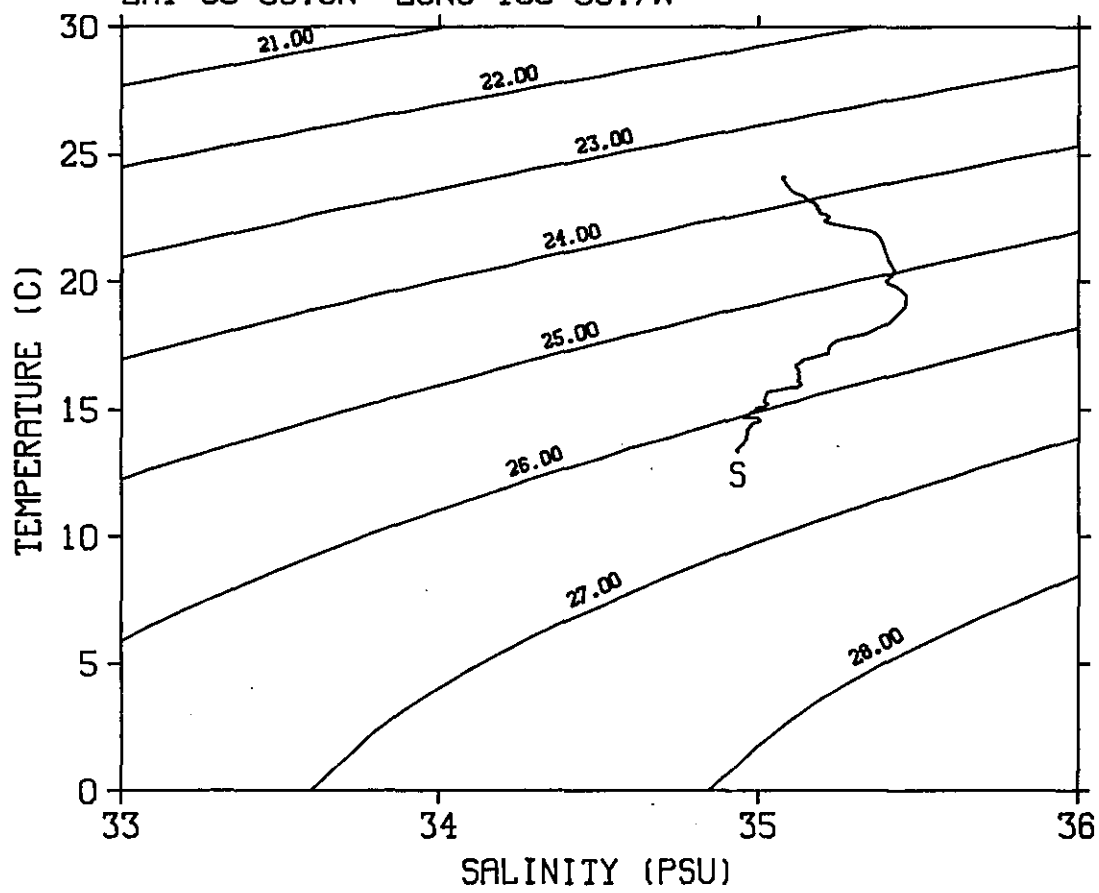


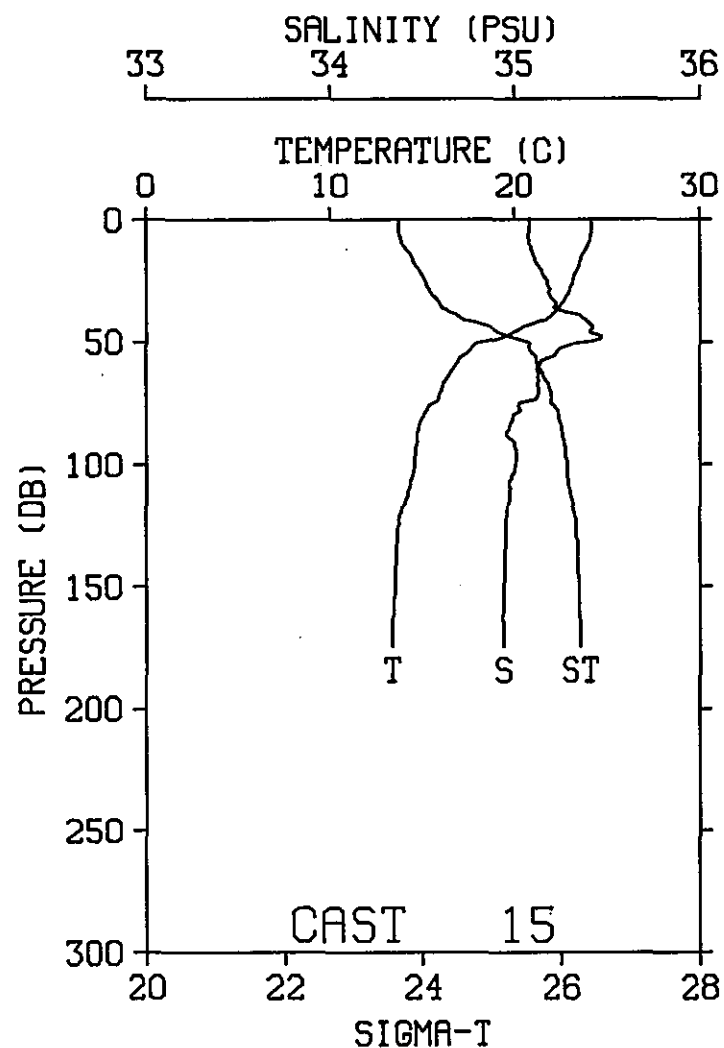
CAST EP2-85-DI-014 DATE 01 JUN 85 TIME 0608 GMT
 LAT 00 29.8N LONG 110 00.2W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 135 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 23.9 WET 23.2 DEPTH 3676 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	23.823	34.914	23.630	0.000
10.	22.875	34.938	23.924	0.042
20.	22.618	34.959	24.014	0.081
30.	22.012	34.946	24.175	0.120
40.	19.903	34.853	24.677	0.154
50.	18.523	34.910	25.074	0.185
60.	18.482	35.133	25.255	0.213
70.	17.545	35.131	25.485	0.239
80.	16.355	34.968	25.642	0.264
90.	15.765	34.927	25.746	0.287
100.	15.315	34.900	25.826	0.309
110.	15.003	34.887	25.885	0.331
120.	14.634	34.877	25.958	0.352
130.	13.981	34.897	26.112	0.372
140.	13.781	34.912	26.165	0.391
150.	13.654	34.917	26.196	0.409
160.	13.509	34.925	26.232	0.428
170.	13.407	34.922	26.251	0.446
180.	13.246	34.921	26.283	0.464
190.	13.213	34.923	26.291	0.481
200.	13.136	34.914	26.299	0.499
250.	12.729	34.891	26.363	0.586
300.	11.523	34.822	26.541	0.669
350.	10.130	34.737	26.725	0.741
400.	9.100	34.678	26.850	0.807
450.	8.528	34.647	26.916	0.869
500.	7.994	34.626	26.982	0.928
550.	7.335	34.595	27.053	0.984
600.	7.085	34.587	27.082	1.037
650.	6.609	34.572	27.135	1.089
700.	6.089	34.561	27.195	1.138
750.	5.542	34.548	27.252	1.185
800.	5.405	34.546	27.268	1.229
850.	5.139	34.546	27.299	1.273
900.	4.862	34.549	27.333	1.315
950.	4.719	34.550	27.351	1.357
1000.	4.536	34.554	27.374	1.397
1017.	4.498	34.555	27.379	1.410

CAST EP2-85-DI-015 DATE 01 JUN 85 TIME 0949 GMT
LAT 00 00.5N LONG 109 59.7W

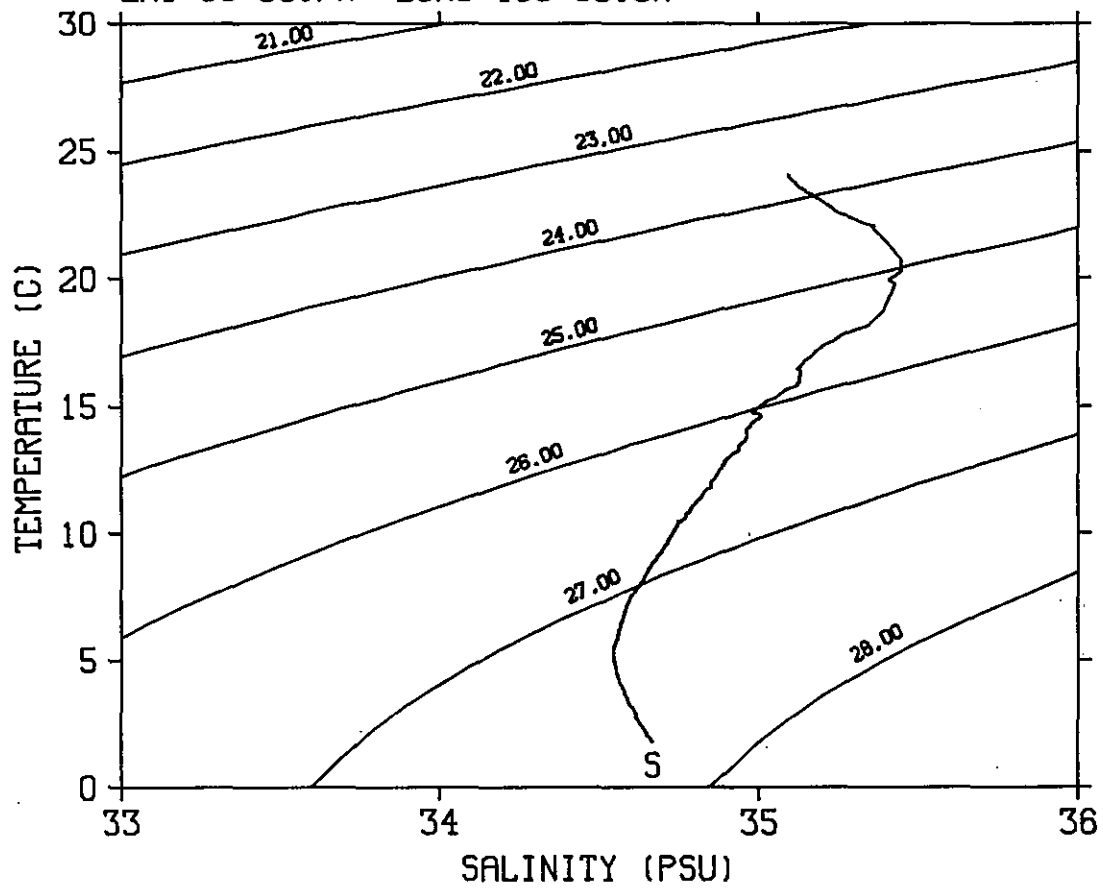




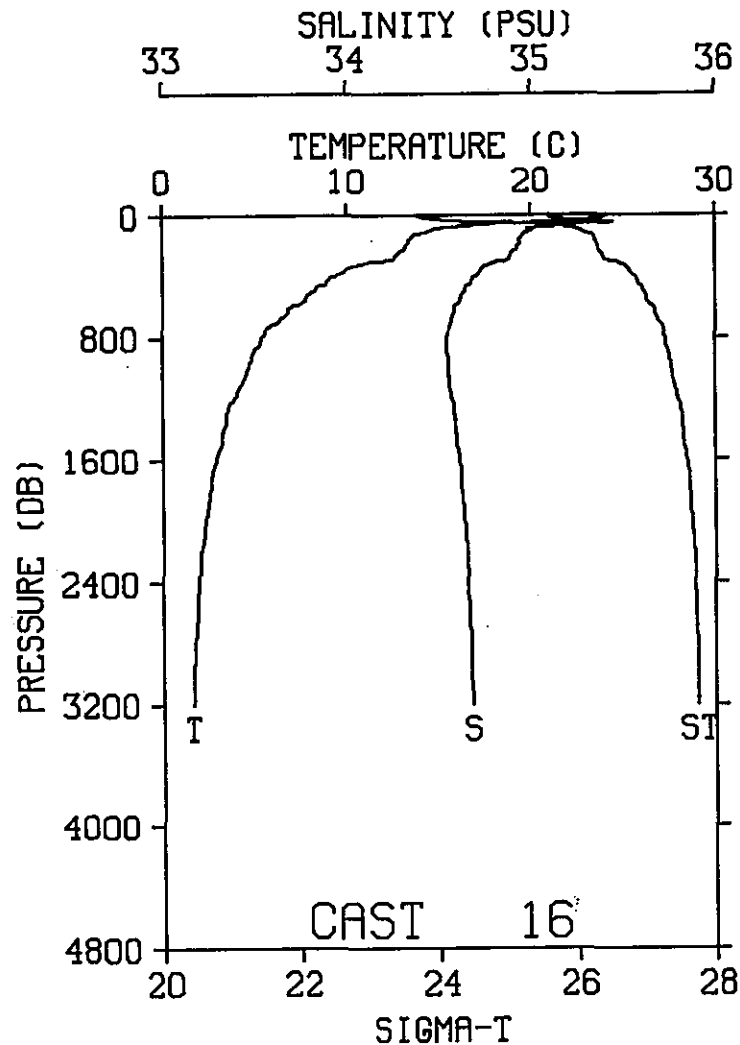
CAST EP2-85-DI-015 DATE 01 JUN 85 TIME 0949 GMT
 LAT 00 00.5N LONG 109 59.7W WEATHER 0 SEA STATE 3
 BAROMETER 14 WIND DIR 145 T SPD 14 KT VISIBILITY 8
 CLOUD 1 AMOUNT 1 DRY 25.1 WET 23.1 DEPTH 3658 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	24.134	35.081	23.665	0.000
10.	24.012	35.074	23.695	0.042
20.	23.383	35.138	23.929	0.083
30.	22.864	35.179	24.110	0.122
40.	21.855	35.364	24.537	0.158
50.	18.354	35.410	25.499	0.188
60.	16.783	35.128	25.665	0.212
70.	16.022	35.134	25.847	0.234
80.	15.035	34.992	25.959	0.255
90.	14.663	34.983	26.034	0.276
100.	14.524	35.005	26.080	0.295
110.	14.243	34.973	26.116	0.315
120.	13.807	34.962	26.199	0.333
130.	13.635	34.953	26.228	0.352
140.	13.540	34.945	26.241	0.370
150.	13.470	34.940	26.252	0.388
160.	13.415	34.935	26.259	0.406
170.	13.344	34.936	26.274	0.424
175.	13.341	34.936	26.275	0.433

CAST EP2-85-DI-016 DATE 01 JUN 85 TIME 1241 GMT
LAT 00 00.7N LONG 109 58.8W

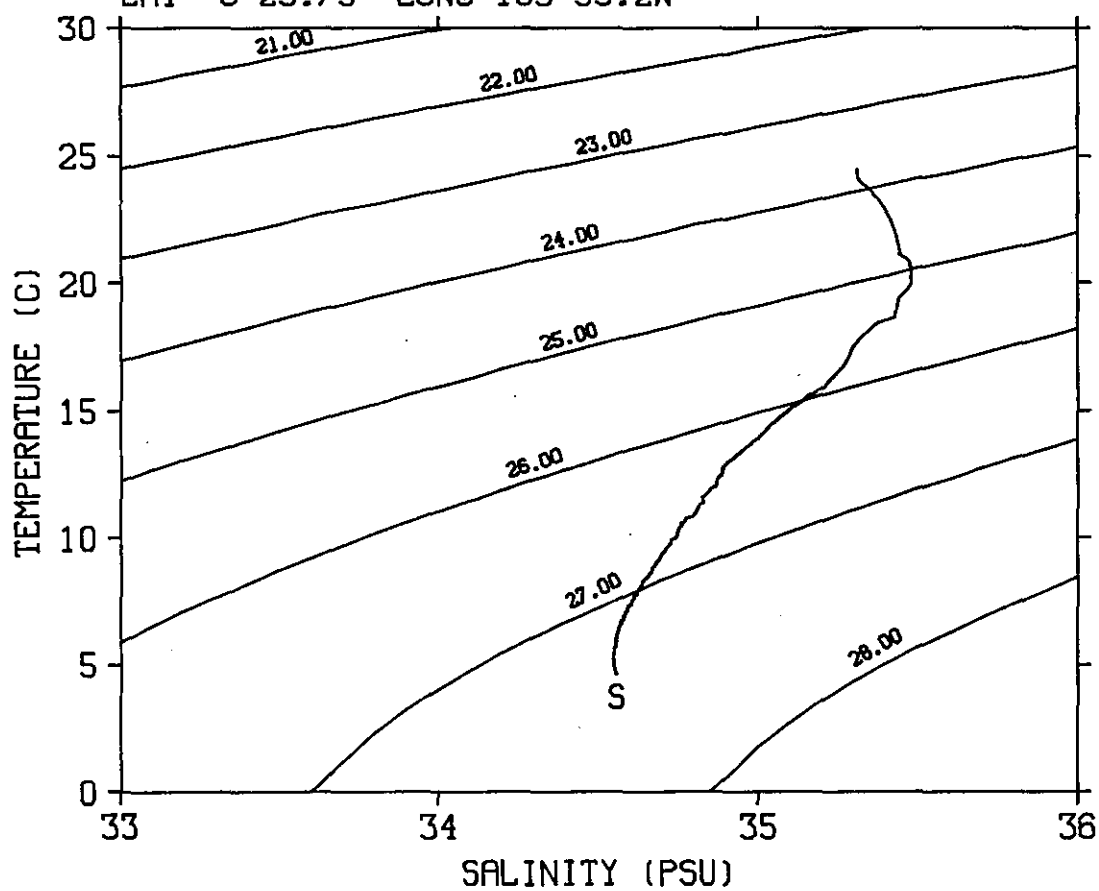


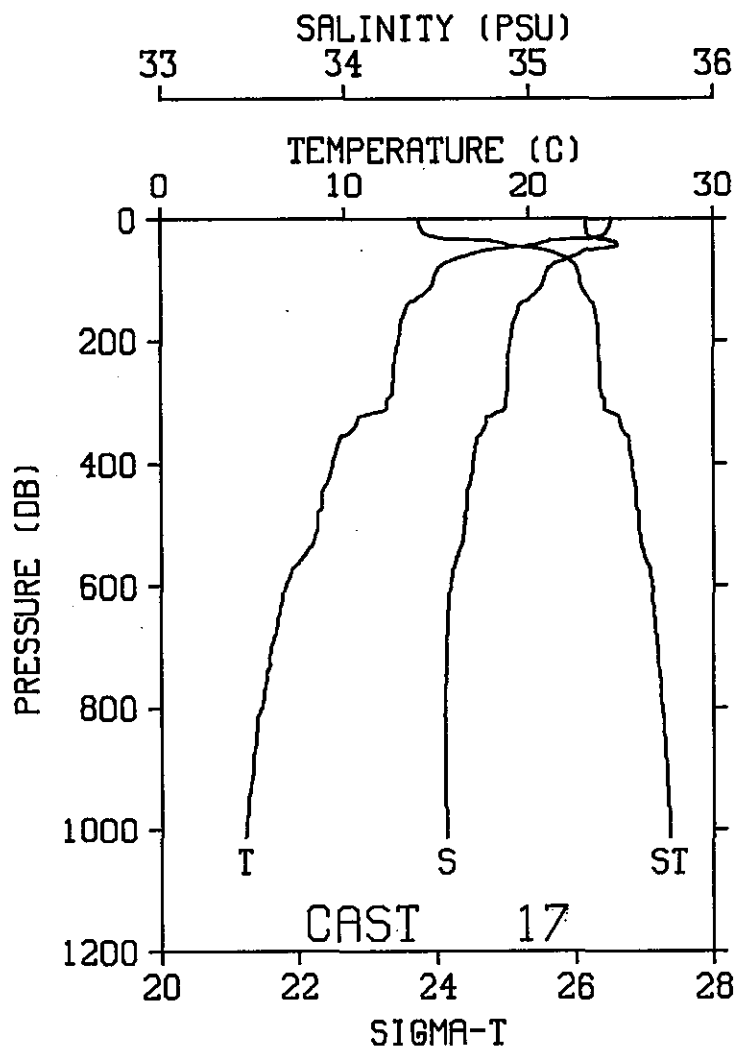
CAST EP2-85-DI-016 DATE 01 JUN 85 TIME 1241 GMT
 LAT 00 00.7N LONG 109 58.8W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 150 T SPD 14 KT VISIBILITY 8
 CLOUD 3 AMOUNT 5 DRY 24.0 WET 23.0 DEPTH 3712 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	24.055	35.093	23.697	0.000
10.	23.900	35.097	23.746	0.042
20.	23.530	35.131	23.880	0.083
30.	23.023	35.198	24.079	0.122
40.	22.149	35.330	24.428	0.159
50.	19.793	35.424	25.141	0.190
60.	17.329	35.200	25.590	0.216
70.	16.354	35.129	25.766	0.239
80.	15.626	35.084	25.898	0.261
90.	14.765	34.977	26.006	0.281
100.	14.577	35.004	26.068	0.301
110.	14.314	34.981	26.107	0.320
120.	13.964	34.960	26.165	0.340
130.	13.621	34.955	26.232	0.358
140.	13.547	34.948	26.242	0.376
150.	13.492	34.943	26.249	0.394
160.	13.375	34.932	26.265	0.412
170.	13.357	34.936	26.272	0.430
180.	13.334	34.938	26.278	0.448
190.	13.322	34.940	26.282	0.465
200.	13.184	34.927	26.300	0.483
250.	12.777	34.891	26.353	0.571
300.	11.782	34.853	26.517	0.656
350.	9.986	34.729	26.743	0.728
400.	9.268	34.694	26.835	0.795
450.	8.870	34.669	26.880	0.857
500.	8.118	34.633	26.968	0.917
550.	7.775	34.613	27.004	0.974
600.	6.979	34.582	27.093	1.029
650.	6.693	34.576	27.127	1.081
700.	6.289	34.564	27.171	1.131
750.	5.618	34.549	27.244	1.178
800.	5.391	34.545	27.269	1.223
850.	5.291	34.545	27.280	1.267
900.	4.957	34.547	27.321	1.310
950.	4.826	34.549	27.338	1.352
1000.	4.670	34.552	27.358	1.393
1500.	3.203	34.596	27.544	1.747
2000.	2.321	34.637	27.655	2.033
2500.	1.910	34.660	27.706	2.284
3000.	1.682	34.673	27.735	2.518
3206.	1.622	34.676	27.742	2.612

CAST EP2-85-DI-017 DATE 01 JUN 85 TIME 1751 GMT
LAT 0 29.7S LONG 109 59.2W

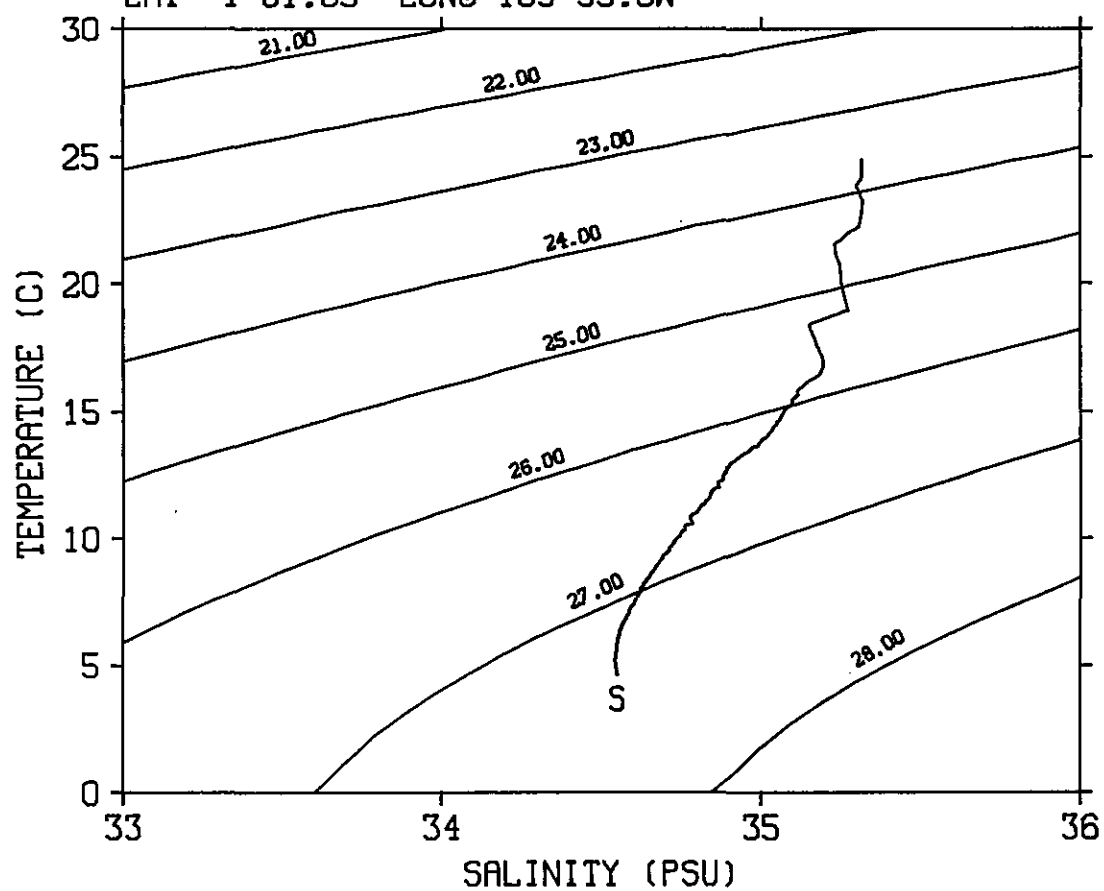




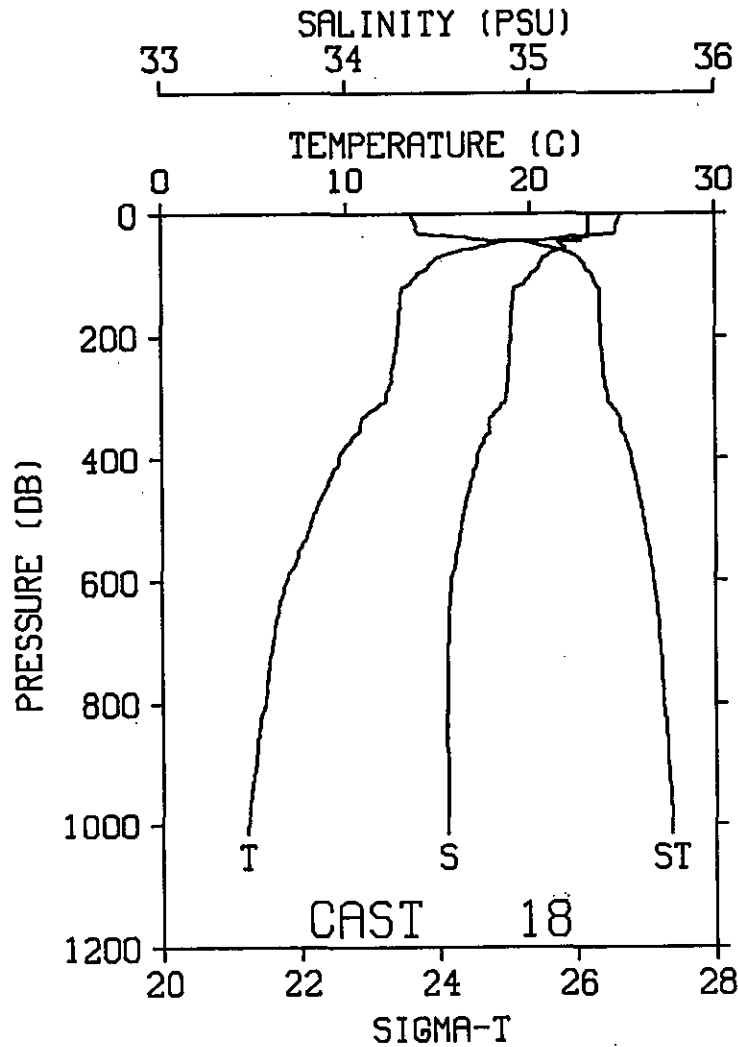
CAST EP2-85-DI-017 DATE 01 JUN 85 TIME 1751 GMT
 LAT 0 29.7S LONG 109 59.2W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 145 T SPD 14 KT VISIBILITY 7
 CLOUD 3 AMOUNT 2 DRY 24.1 WET 23.1 DEPTH 3914 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	24.458	35.311	23.742	0.000
10.	24.381	35.310	23.764	0.041
20.	24.246	35.311	23.805	0.083
30.	23.588	35.357	24.035	0.123
40.	20.657	35.474	24.949	0.157
50.	18.007	35.340	25.532	0.185
60.	16.652	35.259	25.797	0.208
70.	15.649	35.167	25.957	0.229
80.	15.125	35.112	26.031	0.250
90.	14.956	35.091	26.053	0.269
100.	14.861	35.082	26.066	0.289
110.	14.731	35.068	26.084	0.309
120.	14.449	35.041	26.124	0.328
130.	13.978	35.004	26.196	0.347
140.	13.448	34.952	26.266	0.365
150.	13.311	34.938	26.283	0.383
160.	13.181	34.928	26.301	0.400
170.	13.054	34.915	26.317	0.418
180.	12.997	34.907	26.322	0.435
190.	12.982	34.905	26.323	0.452
200.	12.915	34.898	26.332	0.470
250.	12.697	34.885	26.365	0.556
300.	12.332	34.873	26.427	0.641
350.	10.208	34.745	26.718	0.717
400.	9.362	34.697	26.823	0.783
450.	8.783	34.665	26.891	0.847
500.	8.542	34.653	26.919	0.908
550.	7.833	34.613	26.995	0.968
600.	6.823	34.575	27.108	1.021
650.	6.434	34.562	27.151	1.072
700.	6.011	34.555	27.200	1.121
750.	5.756	34.551	27.229	1.168
800.	5.519	34.546	27.254	1.214
850.	5.191	34.544	27.291	1.258
900.	5.024	34.546	27.312	1.301
950.	4.754	34.549	27.346	1.343
1000.	4.652	34.551	27.359	1.384
1014.	4.614	34.552	27.364	1.395

CAST EP2-85-DI-018 DATE 01 JUN 85 TIME 2132 GMT
LAT 1 01.0S LONG 109 59.0W

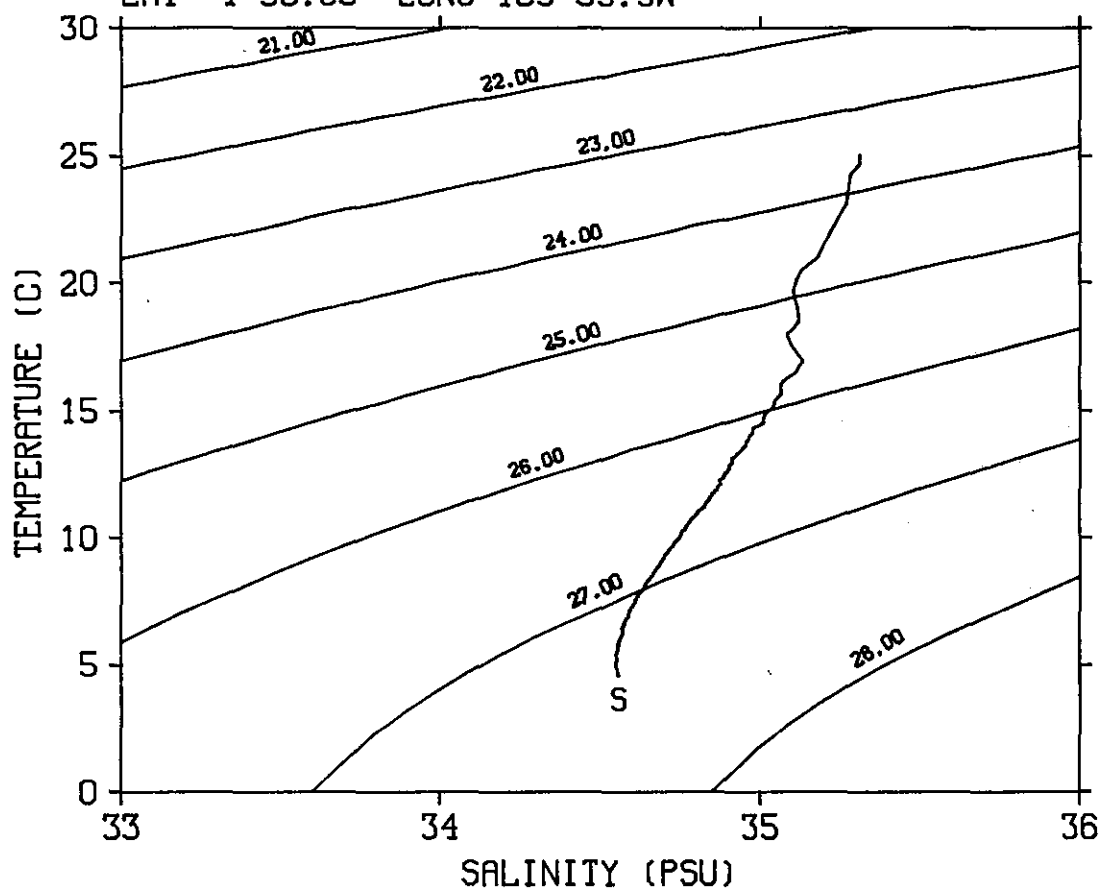


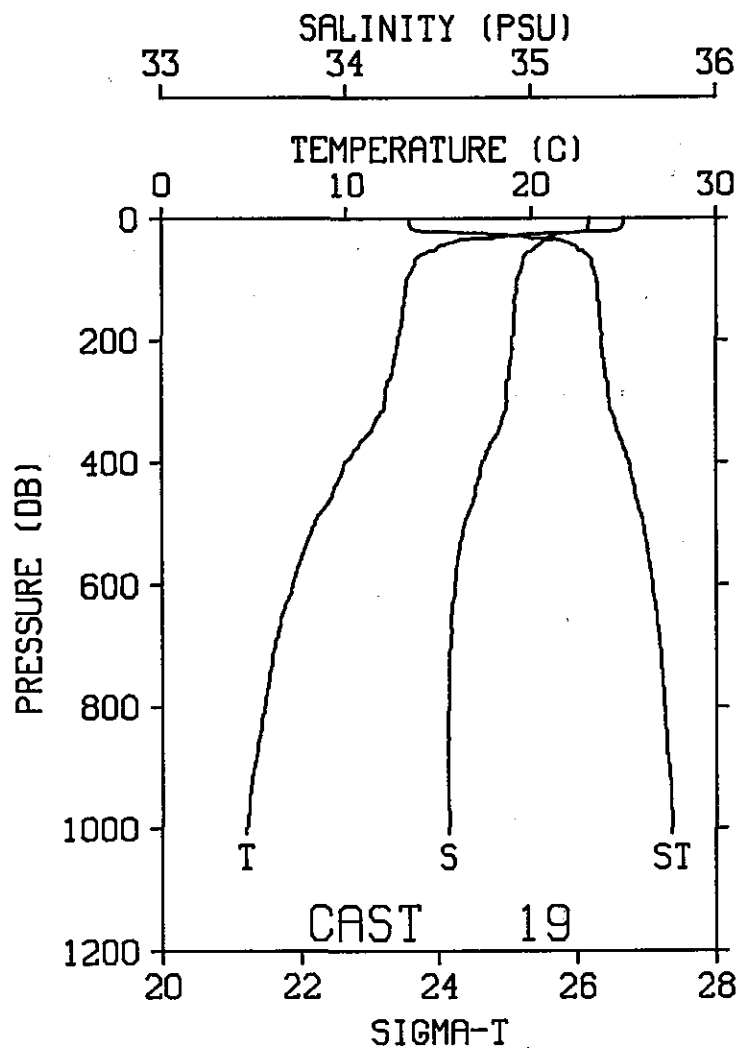
CAST EP2-85-DI-018 DATE 01 JUN 85 TIME 2132 GMT
 LAT 1 01.0S LONG 109 59.0W WEATHER 0 SEA STATE 4
 BAROMETER 11 WIND DIR 150 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 25.0 WET 22.9 DEPTH 3841 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	24.881	35.315	23.617	0.000
10.	24.783	35.316	23.648	0.043
20.	24.663	35.316	23.684	0.085
30.	24.599	35.315	23.703	0.127
40.	21.718	35.250	24.488	0.166
50.	17.804	35.170	25.452	0.195
60.	16.162	35.146	25.824	0.218
70.	15.099	35.077	26.010	0.239
80.	14.658	35.057	26.092	0.259
90.	14.408	35.041	26.133	0.278
100.	13.838	34.999	26.221	0.297
110.	13.565	34.974	26.258	0.315
120.	13.087	34.922	26.315	0.332
130.	12.969	34.906	26.327	0.349
140.	12.931	34.903	26.332	0.367
150.	12.913	34.901	26.334	0.384
160.	12.901	34.901	26.336	0.401
170.	12.887	34.900	26.338	0.418
180.	12.874	34.899	26.340	0.435
190.	12.856	34.897	26.342	0.453
200.	12.838	34.896	26.346	0.470
250.	12.550	34.885	26.394	0.555
300.	12.183	34.867	26.451	0.639
350.	10.790	34.775	26.639	0.715
400.	9.604	34.710	26.793	0.785
450.	8.873	34.668	26.879	0.849
500.	8.105	34.627	26.965	0.910
550.	7.370	34.596	27.049	0.966
600.	6.761	34.571	27.114	1.019
650.	6.317	34.557	27.162	1.070
700.	6.005	34.552	27.198	1.118
750.	5.740	34.547	27.227	1.165
800.	5.566	34.545	27.247	1.211
850.	5.189	34.543	27.291	1.255
900.	5.021	34.544	27.311	1.298
950.	4.763	34.546	27.342	1.340
1000.	4.643	34.549	27.358	1.381
1015.	4.586	34.550	27.365	1.393

CAST EP2-85-DI-019 DATE 02 JUN 85 TIME 0109 GMT
LAT 1 30.6S LONG 109 59.9W

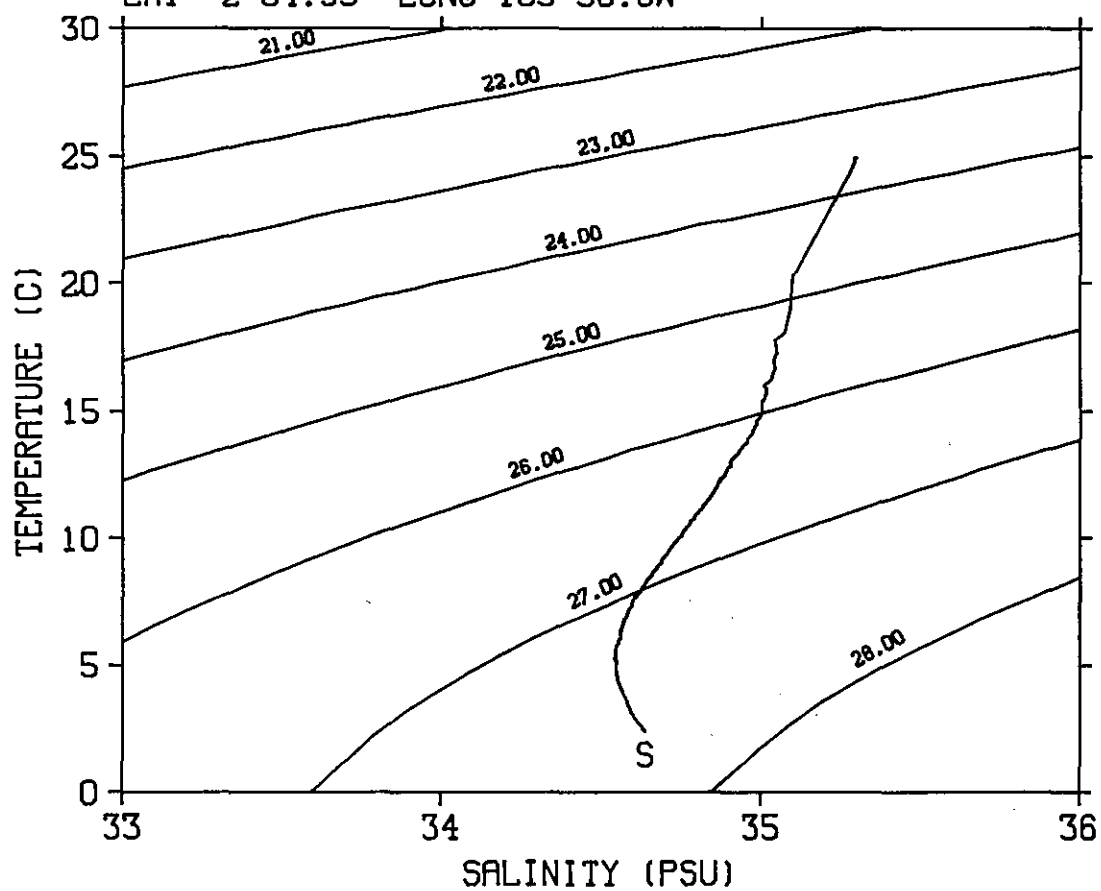


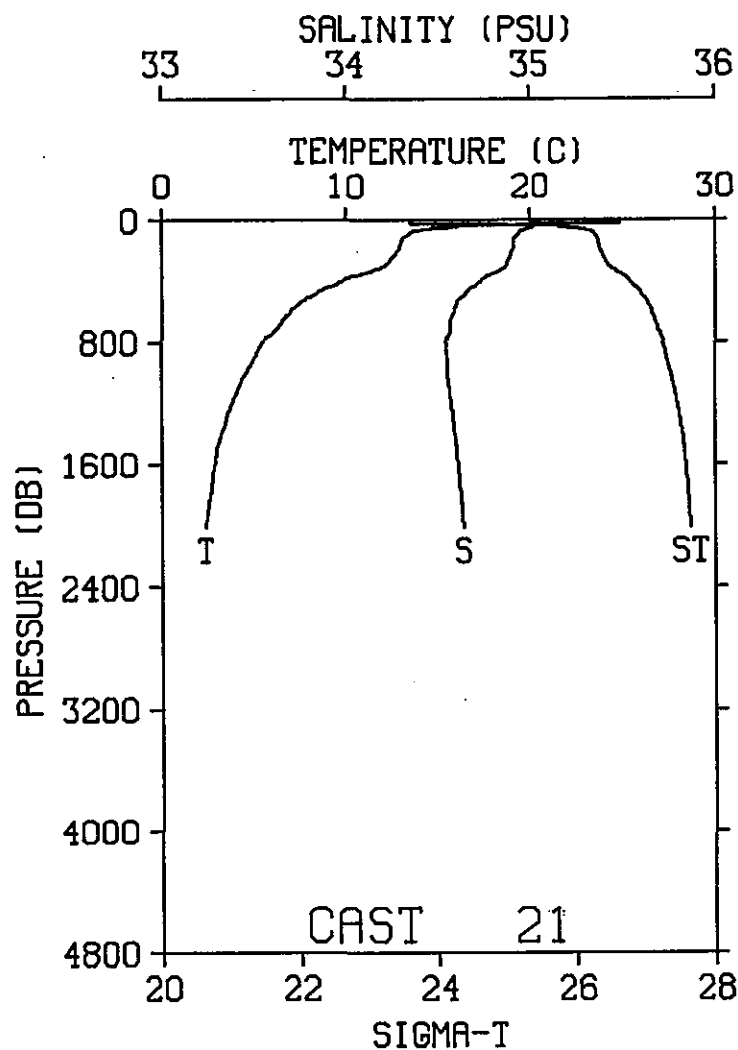


CAST EP2-85-DI-019 DATE 02 JUN 85 TIME 0109 GMT
 LAT 1 30.6S LONG 109 59.9W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 140 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 4 DRY 24.5 WET 22.1 DEPTH 3767 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.005	35.313	23.578	0.000
10.	24.991	35.312	23.581	0.043
20.	24.575	35.307	23.704	0.086
30.	18.435	35.122	25.258	0.119
40.	15.632	35.064	25.882	0.143
50.	14.884	35.018	26.012	0.163
60.	14.026	34.970	26.159	0.182
70.	13.711	34.955	26.213	0.201
80.	13.625	34.953	26.229	0.219
90.	13.444	34.939	26.256	0.237
100.	13.278	34.925	26.279	0.254
110.	13.226	34.921	26.287	0.272
120.	13.191	34.920	26.293	0.289
130.	13.128	34.914	26.301	0.307
140.	13.084	34.910	26.307	0.324
150.	13.054	34.911	26.314	0.342
160.	13.005	34.908	26.321	0.359
170.	12.972	34.908	26.328	0.376
180.	12.915	34.907	26.339	0.394
190.	12.880	34.906	26.345	0.411
200.	12.800	34.899	26.355	0.428
250.	12.489	34.886	26.406	0.513
300.	12.112	34.870	26.468	0.595
350.	11.313	34.827	26.584	0.674
400.	9.923	34.734	26.758	0.746
450.	9.246	34.697	26.841	0.812
500.	8.246	34.641	26.955	0.874
550.	7.576	34.606	27.027	0.931
600.	7.034	34.585	27.087	0.985
650.	6.460	34.566	27.150	1.037
700.	6.085	34.561	27.195	1.086
750.	5.795	34.553	27.225	1.133
800.	5.542	34.552	27.256	1.179
850.	5.240	34.549	27.289	1.223
900.	4.961	34.547	27.320	1.266
950.	4.706	34.550	27.352	1.307
1000.	4.573	34.554	27.370	1.348
1008.	4.555	34.554	27.372	1.354

CAST EP2-85-DI-021 DATE 02 JUN 85 TIME 1125 GMT
LAT 2 04.3S LONG 109 58.8W

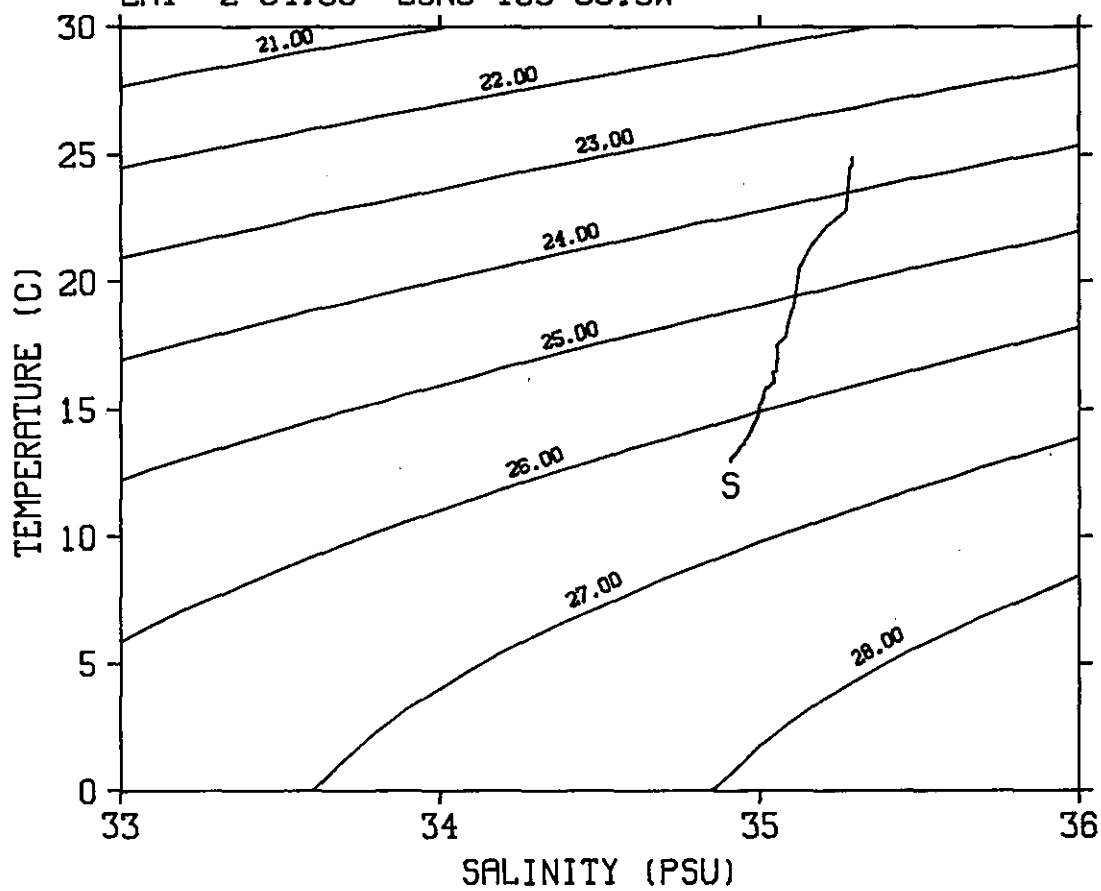




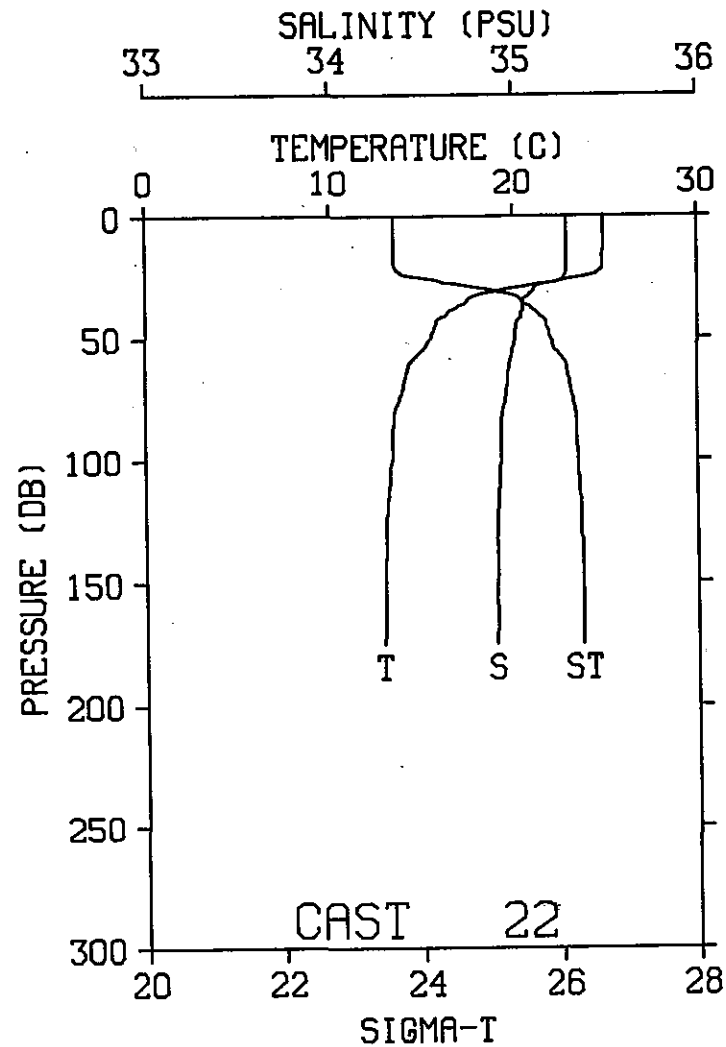
CAST EP2-85-DI-021 DATE 02 JUN 85 TIME 1125 GMT
 LAT 2 04.3S LONG 109 58.8W WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 130 T SPD 13 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 24.5 WET 21.8 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	24.908	35.294	23.593	0.000
10.	24.910	35.294	23.593	0.043
20.	24.874	35.293	23.603	0.086
30.	18.015	35.072	25.325	0.124
40.	15.975	35.004	25.757	0.148
50.	15.344	35.003	25.899	0.170
60.	14.304	34.977	26.106	0.190
70.	13.827	34.960	26.193	0.208
80.	13.485	34.937	26.247	0.226
90.	13.428	34.934	26.256	0.244
100.	13.309	34.929	26.276	0.262
110.	13.170	34.919	26.296	0.279
120.	13.072	34.911	26.310	0.297
130.	13.036	34.908	26.315	0.314
140.	13.012	34.908	26.320	0.332
150.	12.984	34.906	26.324	0.349
160.	12.964	34.906	26.328	0.366
170.	12.922	34.904	26.335	0.383
180.	12.908	34.905	26.338	0.401
190.	12.882	34.906	26.344	0.418
200.	12.780	34.902	26.362	0.435
250.	12.502	34.892	26.408	0.520
300.	12.112	34.867	26.465	0.602
350.	10.814	34.792	26.648	0.680
400.	9.786	34.732	26.779	0.749
450.	8.798	34.671	26.893	0.814
500.	8.113	34.632	26.968	0.874
550.	7.447	34.599	27.040	0.930
600.	6.973	34.584	27.095	0.984
650.	6.548	34.569	27.141	1.035
700.	6.305	34.561	27.166	1.085
750.	5.933	34.555	27.210	1.134
800.	5.495	34.545	27.256	1.180
850.	5.271	34.546	27.284	1.224
900.	5.030	34.549	27.314	1.267
950.	4.830	34.548	27.336	1.309
1000.	4.584	34.550	27.365	1.350
1500.	3.015	34.601	27.565	1.699
2000.	2.372	34.637	27.651	1.986
2009.	2.371	34.637	27.651	1.991

CAST EP2-85-DI-022 DATE 02 JUN 85 TIME 1318 GMT
LAT 2 04.6S LONG 109 58.3W

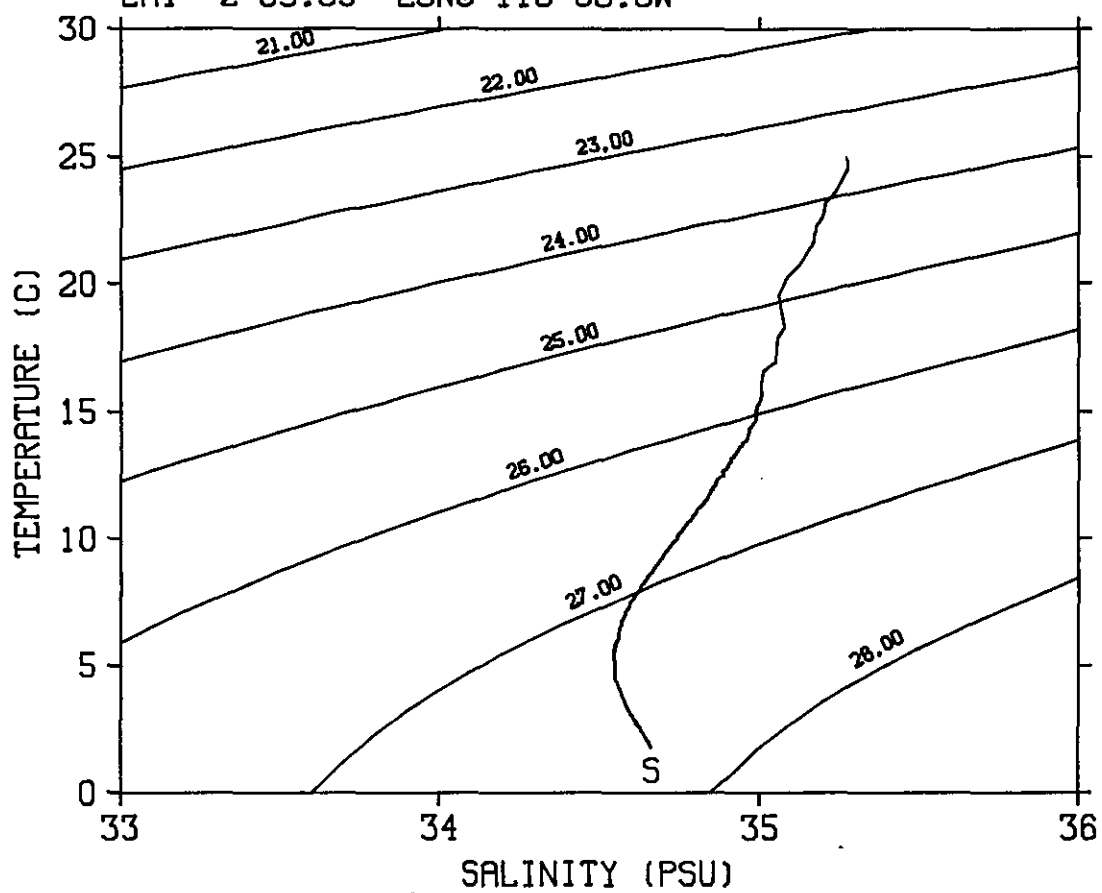


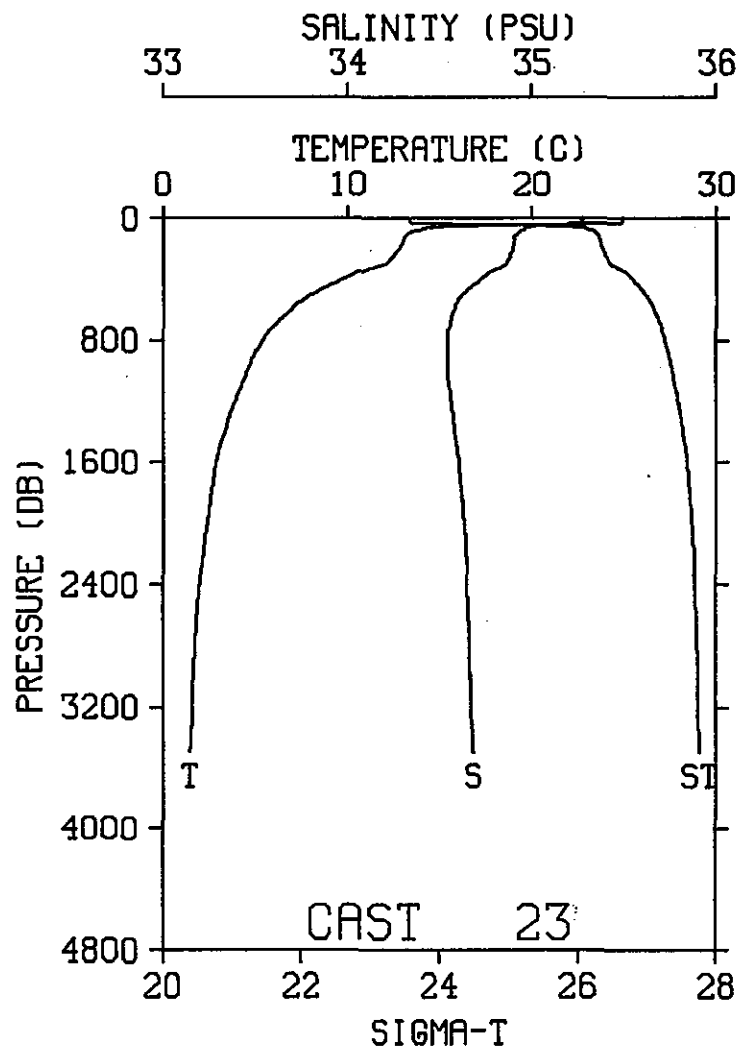
CAST EP2-85-DI-022 DATE 02 JUN 85 TIME 1318 GMT
 LAT 2 04.6S LONG 109 58.3W WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 140 T SPD 16 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 24.3 WET 22.6 DEPTH M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	24.868	35.287	23.600	0.000
10.	24.867	35.287	23.601	0.043
20.	24.836	35.287	23.610	0.086
30.	19.525	35.110	24.971	0.124
40.	16.418	35.036	25.680	0.150
50.	15.486	35.006	25.870	0.172
60.	14.451	34.981	26.077	0.192
70.	14.022	34.965	26.156	0.211
80.	13.571	34.941	26.232	0.230
90.	13.439	34.931	26.251	0.247
100.	13.405	34.930	26.257	0.265
110.	13.244	34.921	26.283	0.283
120.	13.111	34.911	26.302	0.300
130.	13.053	34.906	26.310	0.318
140.	13.020	34.907	26.317	0.335
150.	12.997	34.905	26.321	0.352
160.	12.973	34.906	26.326	0.370
170.	12.958	34.905	26.328	0.387
175.	12.934	34.903	26.332	0.396

CAST EP2-85-DI-023 DATE 03 JUN 85 TIME 0918 GMT
LAT 2 03.6S LONG 110 00.0W

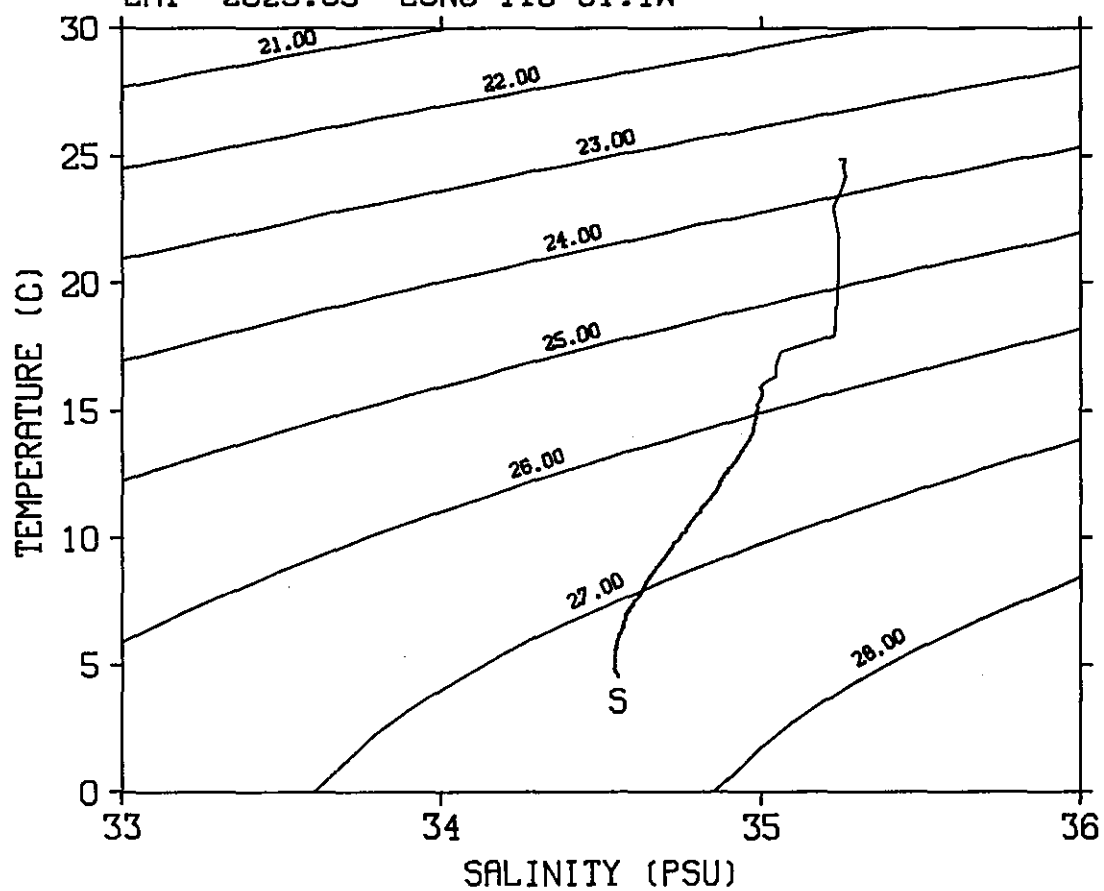


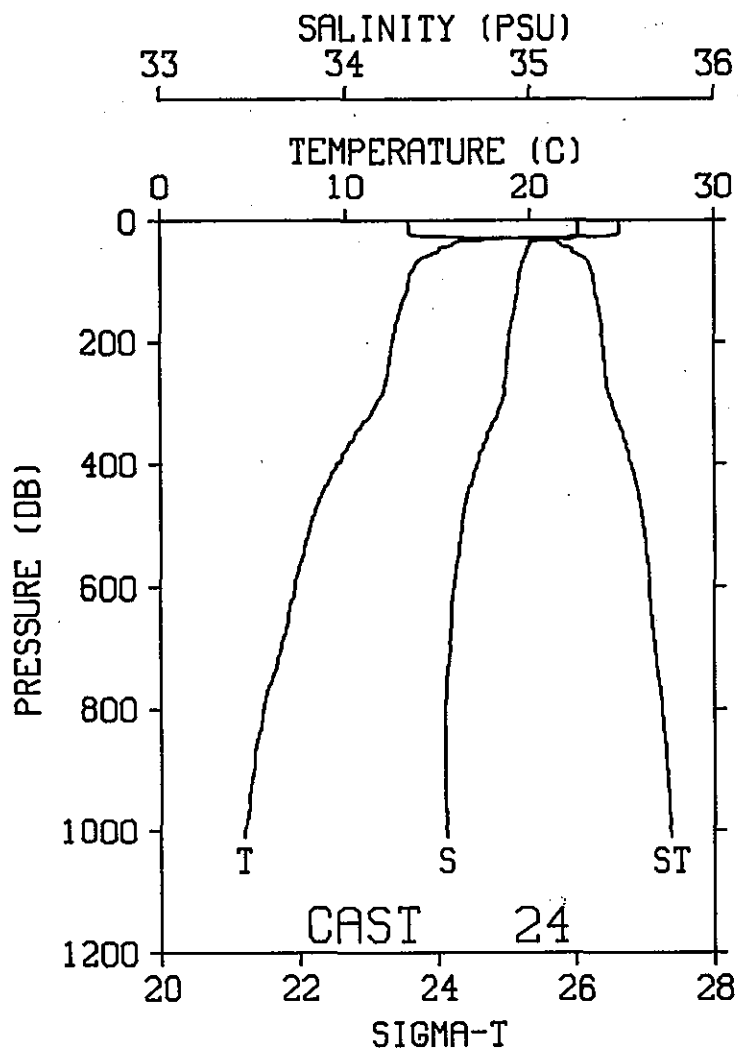


CAST EP2-85-DI-023 DATE 03 JUN 85 TIME 0918 GMT
 LAT 2 03.65 LONG 110 00.0W WEATHER 1 SEA STATE 2
 BAROMETER 12 WIND DIR 135 T SPD 16 KT VISIBILITY 8
 CLOUD X AMOUNT 9 DRY 24.2 WET 22.0 DEPTH 3777 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	24.924	35.273	23.572	0.000
10.	24.925	35.272	23.572	0.043
20.	24.917	35.271	23.573	0.086
30.	24.830	35.274	23.602	0.129
40.	22.240	35.175	24.285	0.170
50.	15.998	35.004	25.752	0.198
60.	14.842	34.990	26.000	0.219
70.	14.097	34.961	26.137	0.239
80.	13.698	34.946	26.209	0.257
90.	13.485	34.931	26.241	0.275
100.	13.301	34.922	26.272	0.293
110.	13.242	34.918	26.281	0.311
120.	13.104	34.905	26.299	0.328
130.	13.069	34.903	26.305	0.346
140.	13.050	34.906	26.311	0.363
150.	13.004	34.906	26.320	0.380
160.	12.980	34.904	26.323	0.398
170.	12.931	34.902	26.331	0.415
180.	12.913	34.900	26.333	0.432
190.	12.862	34.898	26.342	0.449
200.	12.823	34.898	26.350	0.467
250.	12.513	34.880	26.397	0.551
300.	12.051	34.860	26.471	0.634
350.	10.580	34.774	26.676	0.711
400.	9.690	34.720	26.786	0.780
450.	8.844	34.670	26.885	0.844
500.	8.020	34.625	26.976	0.904
550.	7.436	34.596	27.039	0.961
600.	6.964	34.579	27.092	1.014
650.	6.449	34.563	27.149	1.065
700.	6.084	34.559	27.194	1.114
750.	5.701	34.548	27.233	1.161
800.	5.435	34.543	27.262	1.207
850.	5.195	34.545	27.292	1.251
900.	4.959	34.545	27.319	1.294
950.	4.772	34.544	27.340	1.335
1000.	4.580	34.546	27.363	1.376
1500.	3.075	34.594	27.554	1.733
2000.	2.390	34.634	27.646	2.022
2500.	1.935	34.655	27.700	2.278
3000.	1.642	34.669	27.734	2.513
3500.	1.475	34.684	27.758	2.738
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CAST EP2-85-DI-024 DATE 03 JUN 85 TIME 1621 GMT
LAT 2029.8S LONG 110 01.1W

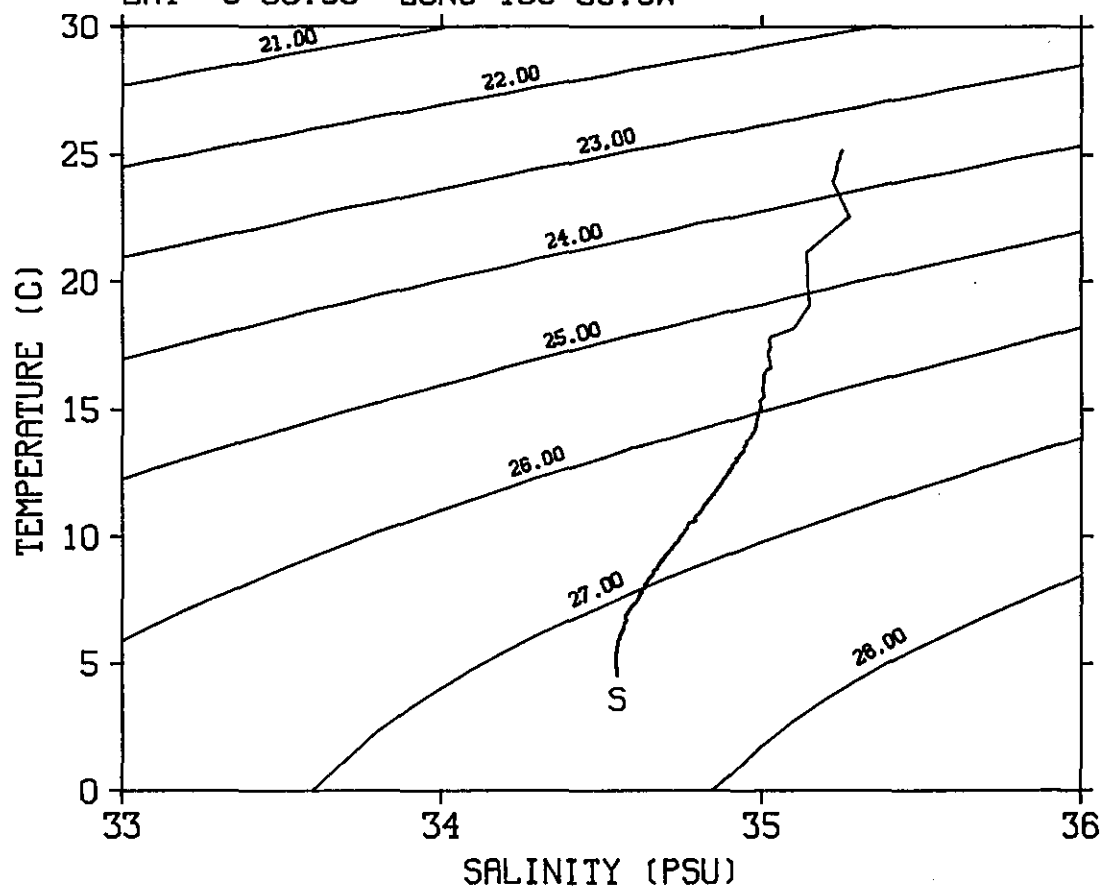


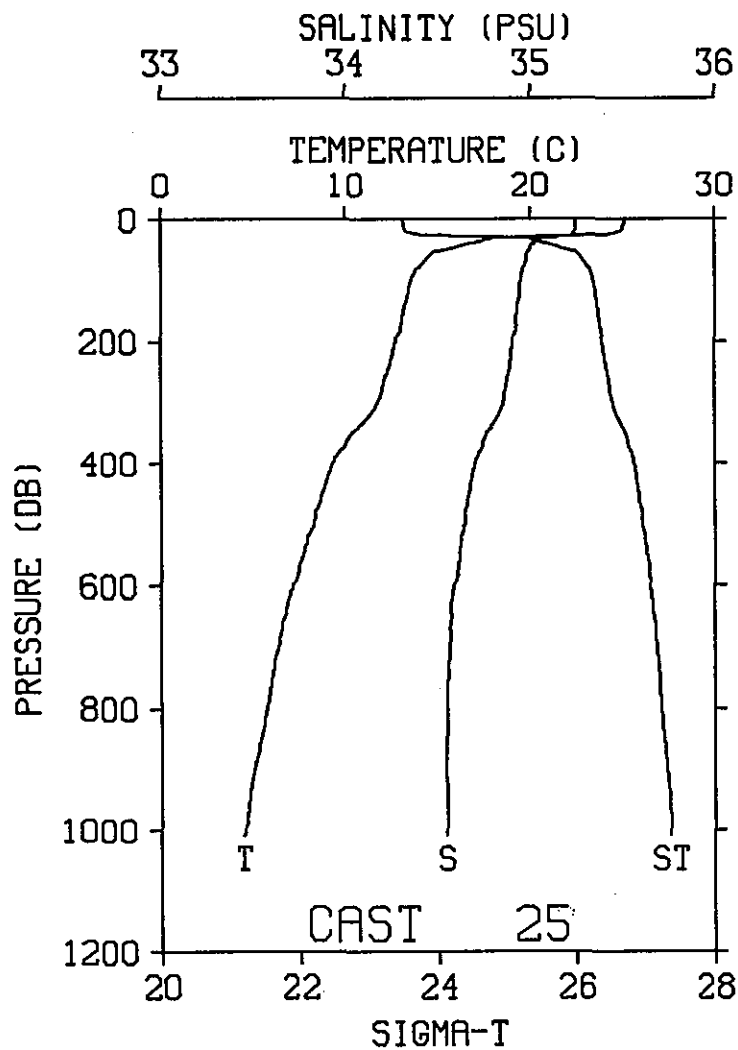


CAST EP2-85-DI-024 DATE 03 JUN 85 TIME 1621 GMT
 LAT 2029.8S LONG 110 01.1W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 130 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 1 DRY 26.1 WET 22.4 DEPTH 3804 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	24.881	35.249	23.567	0.000
10.	24.881	35.263	23.578	0.043
20.	24.835	35.261	23.591	0.086
30.	17.921	35.232	25.470	0.125
40.	15.803	35.000	25.793	0.148
50.	15.062	34.987	25.949	0.169
60.	14.306	34.972	26.102	0.189
70.	13.836	34.959	26.191	0.208
80.	13.686	34.950	26.215	0.226
90.	13.500	34.941	26.246	0.244
100.	13.446	34.938	26.255	0.262
110.	13.385	34.934	26.265	0.280
120.	13.309	34.933	26.279	0.298
130.	13.148	34.925	26.306	0.315
140.	13.038	34.917	26.321	0.332
150.	12.953	34.913	26.336	0.350
160.	12.858	34.906	26.349	0.367
170.	12.728	34.896	26.367	0.384
180.	12.694	34.893	26.372	0.401
190.	12.649	34.892	26.380	0.417
200.	12.582	34.889	26.391	0.434
250.	12.351	34.877	26.426	0.517
300.	11.752	34.851	26.521	0.599
350.	10.542	34.773	26.681	0.674
400.	9.587	34.717	26.801	0.743
450.	8.699	34.661	26.901	0.806
500.	8.069	34.629	26.972	0.866
550.	7.659	34.610	27.018	0.923
600.	7.268	34.589	27.058	0.978
650.	6.885	34.575	27.100	1.031
700.	6.501	34.566	27.144	1.083
750.	6.033	34.550	27.193	1.132
800.	5.537	34.543	27.249	1.179
850.	5.235	34.540	27.283	1.224
900.	5.009	34.539	27.309	1.267
950.	4.739	34.541	27.341	1.308
1000.	4.538	34.550	27.371	1.349
1011.	4.484	34.552	27.378	1.358

CASI EP2-85-DI-025 DATE 03 JUN 85 TIME 1945 GMT
LAT 3 00.3S LONG 109 59.8W

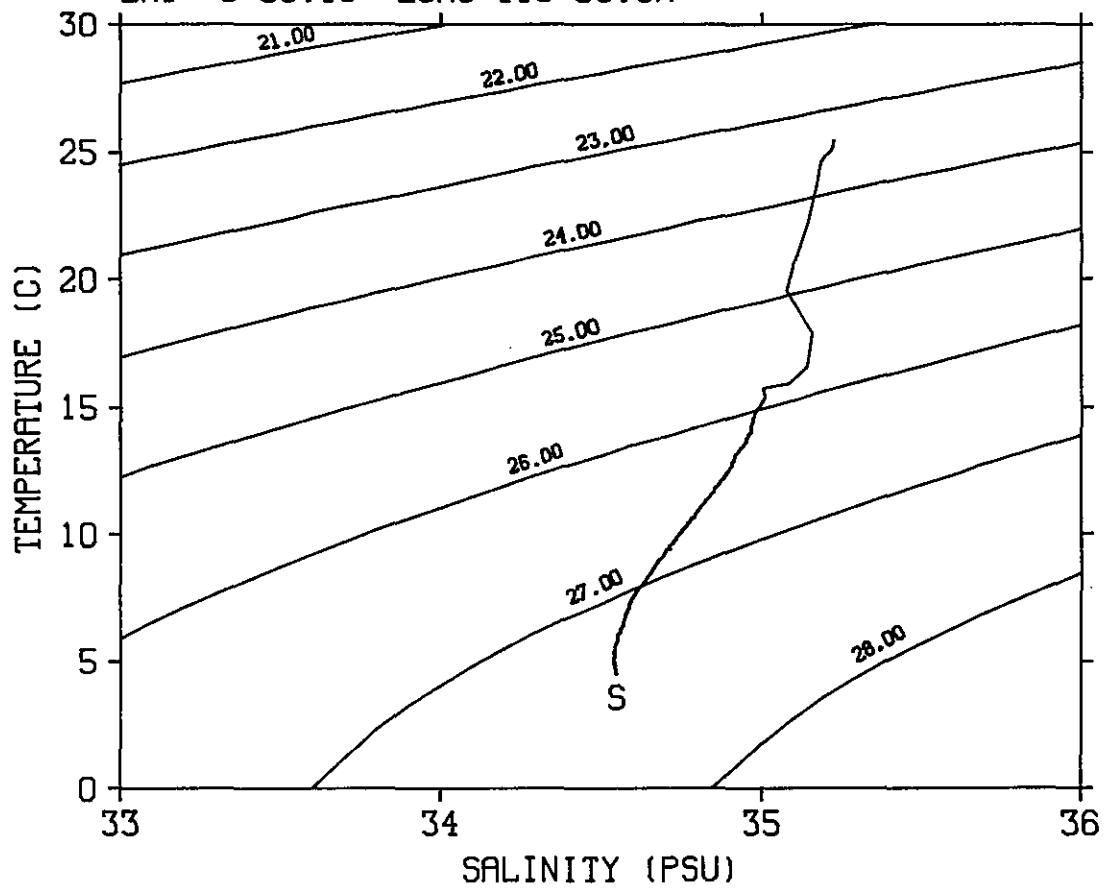


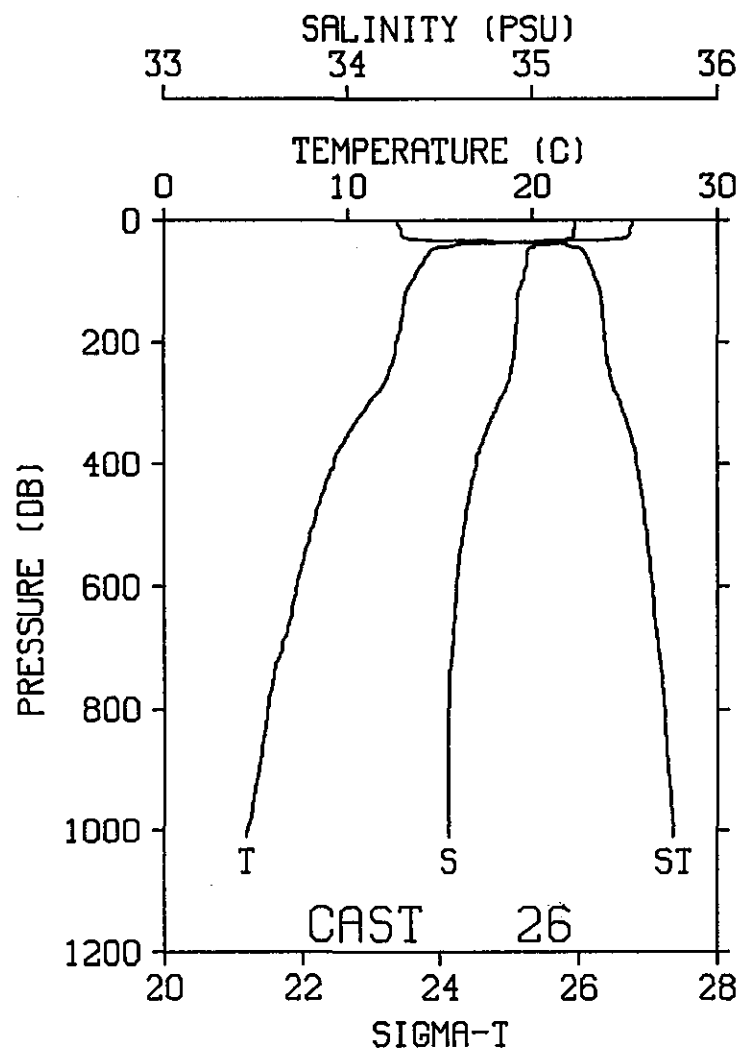


CAST EP2-85-DI-025 DATE 03 JUN 85 TIME 1945 GMT
 LAT 3 00.3S LONG 109 59.8W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 125 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 25.6 WET 22.4 DEPTH 3713 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.162	35.251	23.483	0.000
10.	25.064	35.249	23.512	0.044
20.	24.903	35.244	23.557	0.087
30.	19.065	35.150	25.120	0.127
40.	16.777	35.028	25.589	0.153
50.	15.471	35.005	25.872	0.176
60.	14.546	34.982	26.058	0.196
70.	14.232	34.977	26.121	0.215
80.	13.984	34.968	26.166	0.234
90.	13.709	34.954	26.213	0.252
100.	13.548	34.949	26.242	0.270
110.	13.444	34.944	26.260	0.288
120.	13.397	34.946	26.271	0.306
130.	13.306	34.940	26.285	0.323
140.	13.199	34.932	26.300	0.341
150.	13.127	34.927	26.311	0.358
160.	13.054	34.922	26.323	0.376
170.	13.024	34.922	26.328	0.393
180.	12.945	34.922	26.344	0.410
190.	12.802	34.909	26.362	0.427
200.	12.711	34.907	26.379	0.444
250.	12.281	34.885	26.446	0.528
300.	11.729	34.854	26.528	0.608
350.	10.348	34.765	26.709	0.682
400.	9.296	34.701	26.836	0.749
450.	8.686	34.665	26.906	0.812
500.	8.264	34.642	26.953	0.872
550.	7.667	34.614	27.020	0.929
600.	7.147	34.587	27.073	0.984
650.	6.715	34.576	27.124	1.036
700.	6.331	34.567	27.168	1.086
750.	5.976	34.555	27.204	1.135
800.	5.698	34.548	27.234	1.182
850.	5.374	34.544	27.270	1.228
900.	5.003	34.543	27.313	1.271
950.	4.732	34.546	27.346	1.313
1000.	4.526	34.549	27.371	1.353
1009.	4.497	34.549	27.374	1.361

CAST EP2-85-DI-026 DATE 03 JUN 85 TIME 2309 GMT
LAT 3 30.1S LONG 110 00.3W

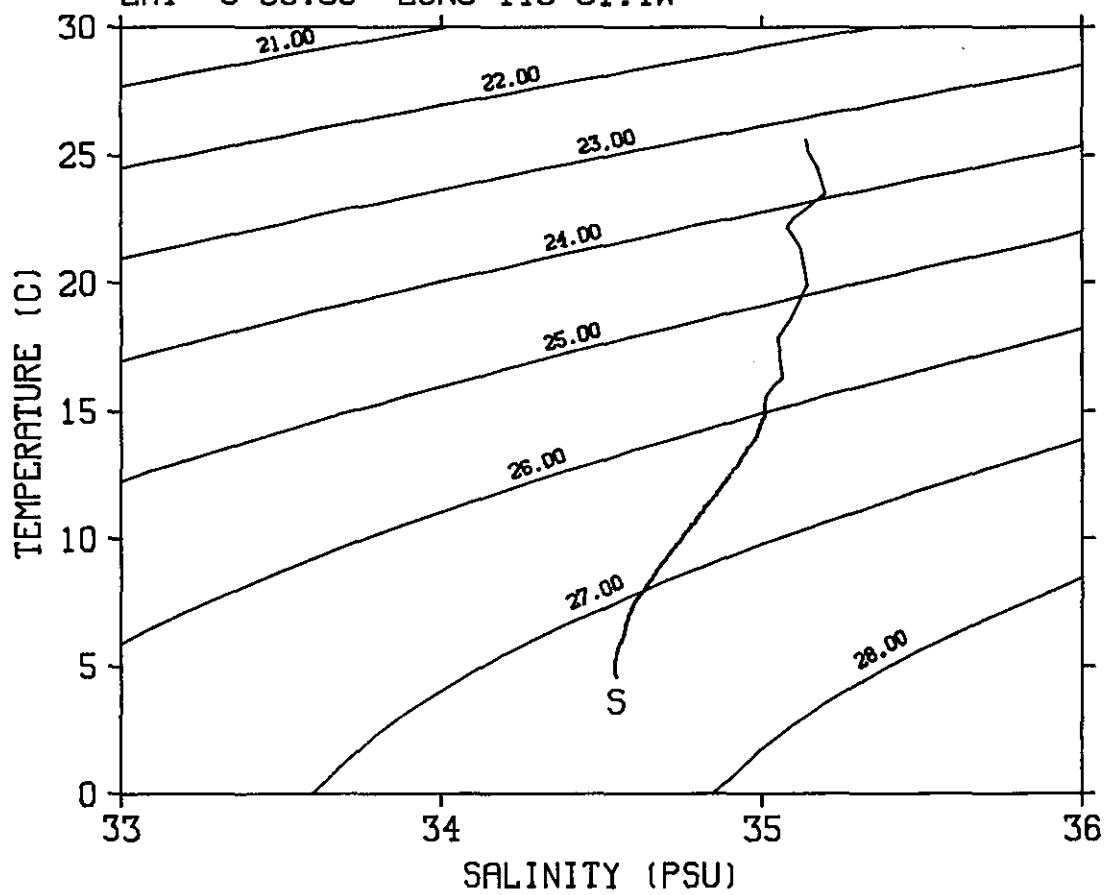




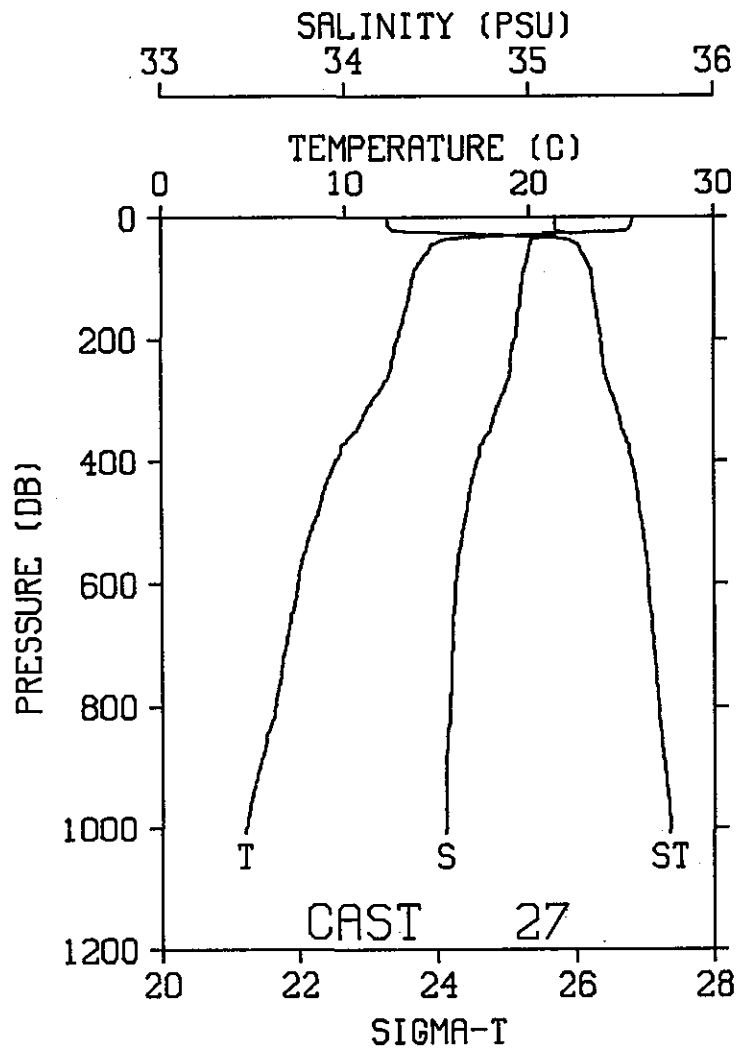
CAST EP2-85-DI-026 DATE 03 JUN 85 TIME 2309 GMT
 LAT 3 30.1S LONG 110 00.3W WEATHER 0 SEA STATE 3
 BAROMETER 09 WIND DIR 125 T SPD 14 KT VISIBILITY 9
 CLOUD X AMOUNT 0 DRY 24.5 WET 22.5 DEPTH 3840 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.428	35.226	23.383	0.000
10.	25.344	35.226	23.408	0.045
20.	25.240	35.223	23.439	0.089
30.	24.844	35.198	23.540	0.134
40.	15.759	35.015	25.815	0.165
50.	14.454	34.968	26.067	0.186
60.	14.192	34.967	26.122	0.205
70.	14.070	34.966	26.147	0.224
80.	13.796	34.958	26.198	0.242
90.	13.650	34.953	26.224	0.261
100.	13.426	34.942	26.262	0.278
110.	13.247	34.929	26.289	0.296
120.	13.103	34.918	26.309	0.314
130.	13.042	34.917	26.321	0.331
140.	12.992	34.916	26.330	0.348
150.	12.960	34.917	26.337	0.365
160.	12.907	34.916	26.347	0.382
170.	12.841	34.911	26.357	0.399
180.	12.794	34.909	26.365	0.416
190.	12.741	34.908	26.374	0.433
200.	12.644	34.907	26.392	0.450
250.	12.237	34.884	26.454	0.533
300.	11.156	34.817	26.605	0.612
350.	10.017	34.748	26.753	0.683
400.	9.248	34.698	26.842	0.749
450.	8.607	34.660	26.914	0.811
500.	8.120	34.634	26.968	0.870
550.	7.600	34.604	27.022	0.927
600.	7.195	34.588	27.067	0.982
650.	6.907	34.581	27.102	1.035
700.	6.405	34.568	27.159	1.086
750.	5.955	34.553	27.205	1.135
800.	5.619	34.546	27.242	1.181
850.	5.386	34.543	27.267	1.227
900.	5.144	34.542	27.295	1.271
950.	4.833	34.541	27.331	1.313
1000.	4.515	34.546	27.370	1.354
1012.	4.462	34.548	27.378	1.364

CAST EP2-85-DI-027 DATE 04 JUN 85 TIME 0229 GMT
LAT 3 59.8S LONG 110 01.1W

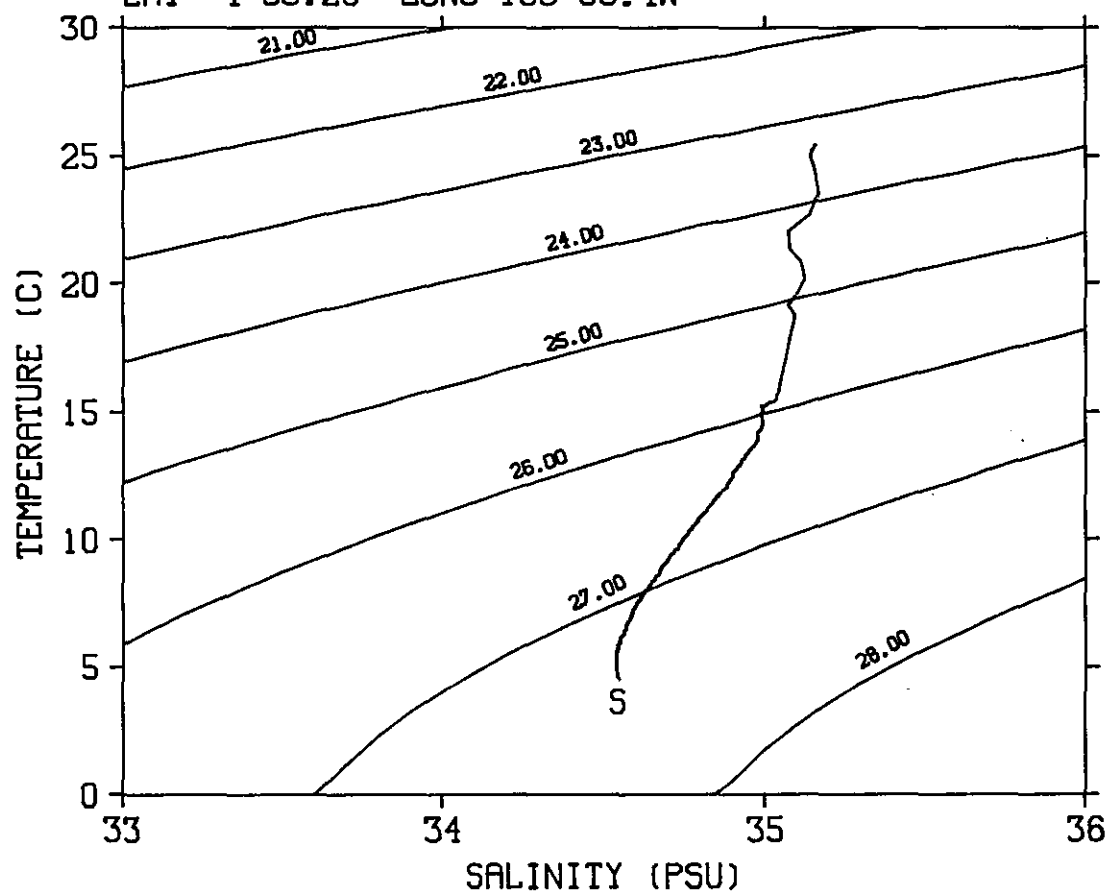


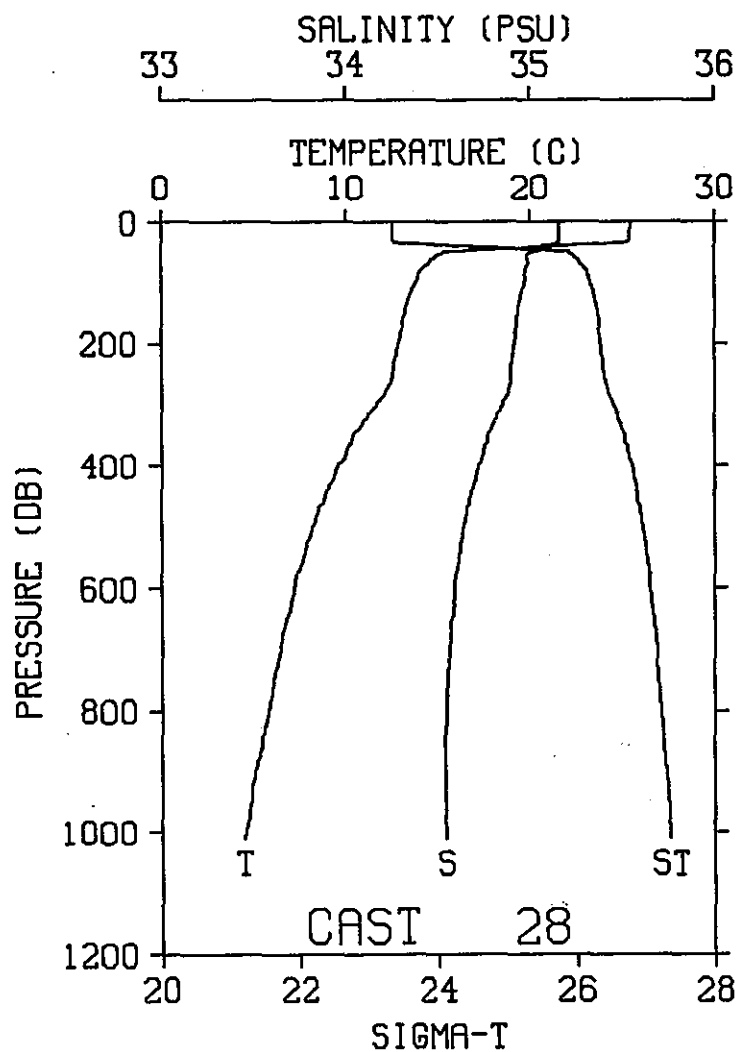
CAST EP2-85-DI-027 DATE 04 JUN 85 TIME 0229 GMT
 LAT 3 59.8S LONG 110 01.1W WEATHER 0 SEA STATE 3
 BAROMETER 10 WIND DIR 120 T SPD 12 KT VISIBILITY 7
 CLOUD X AMOUNT 0 DRY 24.8 WET 22.4 DEPTH 3566 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.542	35.136	23.280	0.000
10.	25.521	35.136	23.286	0.046
20.	25.333	35.139	23.346	0.092
30.	18.501	35.083	25.212	0.130
40.	15.083	35.007	25.960	0.152
50.	14.613	34.996	26.054	0.172
60.	14.394	34.992	26.098	0.192
70.	14.149	34.983	26.144	0.211
80.	13.932	34.977	26.184	0.229
90.	13.727	34.965	26.218	0.248
100.	13.645	34.961	26.232	0.266
110.	13.585	34.957	26.241	0.284
120.	13.528	34.953	26.250	0.302
130.	13.463	34.949	26.260	0.319
140.	13.352	34.947	26.281	0.337
150.	13.285	34.942	26.291	0.355
160.	13.173	34.933	26.307	0.372
170.	13.129	34.931	26.314	0.390
180.	13.015	34.928	26.335	0.407
190.	12.930	34.924	26.349	0.424
200.	12.849	34.920	26.362	0.441
250.	12.488	34.899	26.417	0.526
300.	11.498	34.840	26.560	0.606
350.	10.654	34.790	26.674	0.680
400.	9.475	34.714	26.817	0.748
450.	8.822	34.675	26.893	0.811
500.	8.315	34.647	26.950	0.872
550.	7.744	34.616	27.010	0.930
600.	7.415	34.599	27.045	0.985
650.	7.022	34.584	27.088	1.040
700.	6.763	34.578	27.119	1.092
750.	6.501	34.575	27.152	1.143
800.	6.163	34.567	27.189	1.193
850.	5.706	34.550	27.234	1.241
900.	5.307	34.542	27.277	1.287
950.	4.878	34.542	27.326	1.330
1000.	4.597	34.543	27.359	1.371
1009.	4.547	34.544	27.365	1.379

CAST EP2-85-DI-028 DATE 04 JUN 85 TIME 0607 GMT
LAT 4 30.2S LONG 109 59.4W

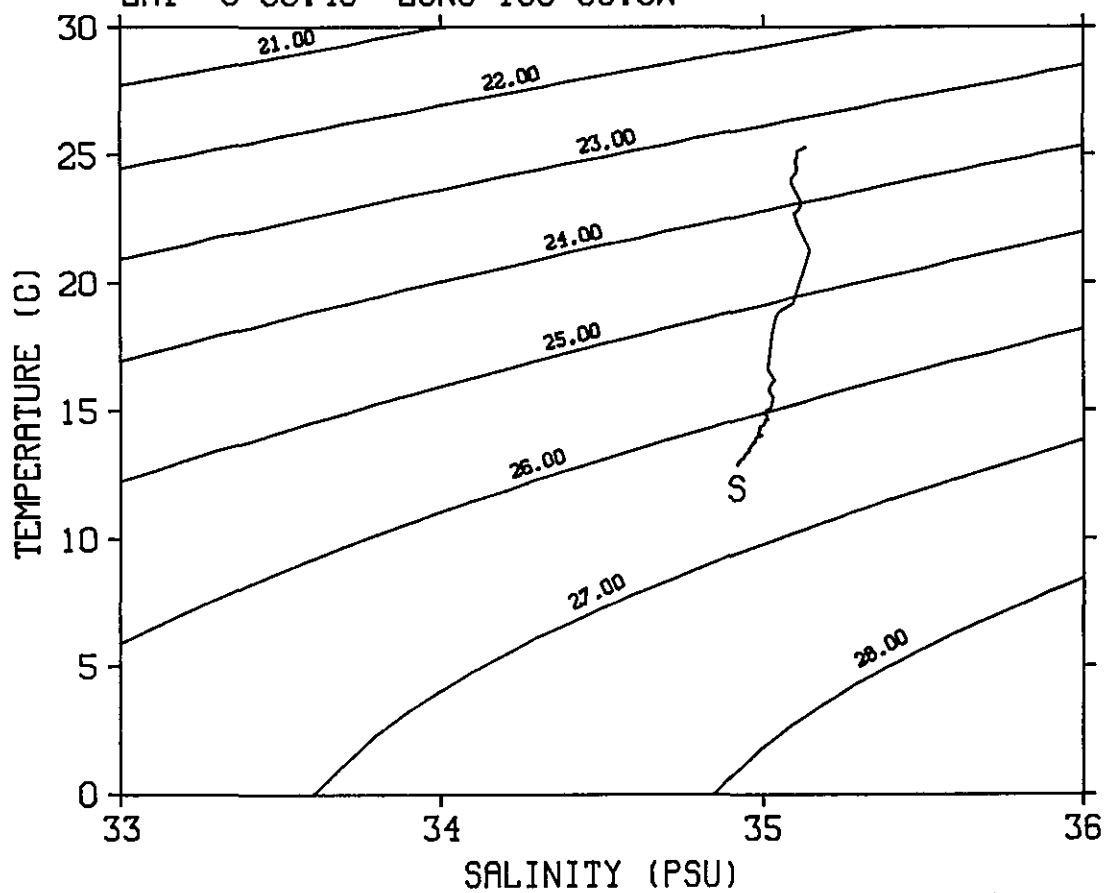


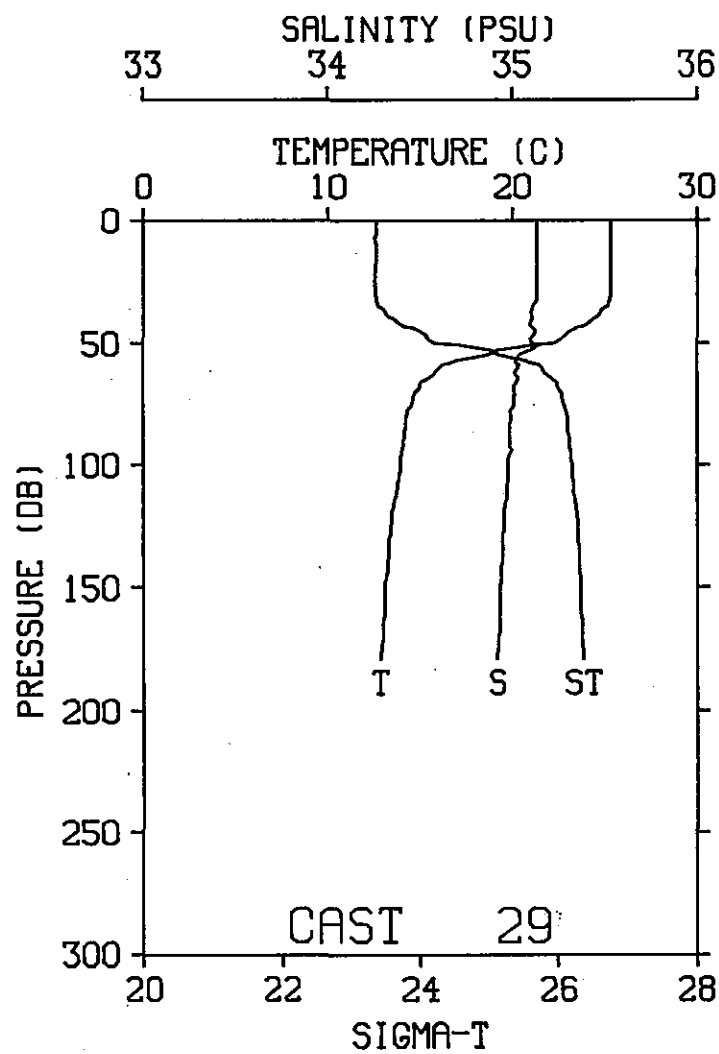


CAST EP2-85-DI-028 DATE 04 JUN 85 TIME 0607 GMT
 LAT 4 30.2S LONG 109 59.4W WEATHER 0 SEA STATE 3
 BAROMETER 13 WIND DIR 100 T SPD 14 KT VISIBILITY 7
 CLOUD X AMOUNT 0 DRY 24.5 WET 21.8 DEPTH 3420 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T (DB)	DELTA-D (DYN M)
0.	25.412	35.157	23.336	0.000
10.	25.406	35.157	23.337	0.045
20.	25.372	35.155	23.346	0.091
30.	25.333	35.153	23.357	0.136
40.	21.351	35.077	24.458	0.178
50.	15.339	35.015	25.909	0.206
60.	14.825	34.988	26.002	0.226
70.	14.530	34.992	26.069	0.246
80.	14.070	34.973	26.152	0.265
90.	13.954	34.974	26.177	0.283
100.	13.818	34.970	26.203	0.302
110.	13.633	34.961	26.234	0.320
120.	13.507	34.951	26.253	0.338
130.	13.387	34.943	26.271	0.356
140.	13.266	34.936	26.291	0.374
150.	13.218	34.935	26.299	0.391
160.	13.092	34.926	26.318	0.409
170.	13.074	34.925	26.321	0.426
180.	13.046	34.923	26.325	0.443
190.	12.973	34.922	26.339	0.461
200.	12.883	34.916	26.352	0.478
250.	12.554	34.894	26.400	0.562
300.	11.689	34.852	26.533	0.644
350.	10.420	34.772	26.702	0.718
400.	9.573	34.718	26.805	0.787
450.	8.879	34.677	26.885	0.851
500.	8.176	34.642	26.966	0.911
550.	7.675	34.613	27.018	0.968
600.	7.214	34.590	27.066	1.023
650.	6.768	34.575	27.116	1.076
700.	6.412	34.563	27.154	1.127
750.	6.076	34.550	27.188	1.176
800.	5.798	34.544	27.218	1.224
850.	5.474	34.538	27.253	1.271
900.	5.060	34.538	27.302	1.315
950.	4.842	34.539	27.328	1.357
1000.	4.583	34.543	27.360	1.399
1012.	4.526	34.544	27.367	1.408

CAST EP2-85-D1-029 DATE 04 JUN 85 TIME 1512 GMT
LAT 5 00.4S LONG 109 53.5W

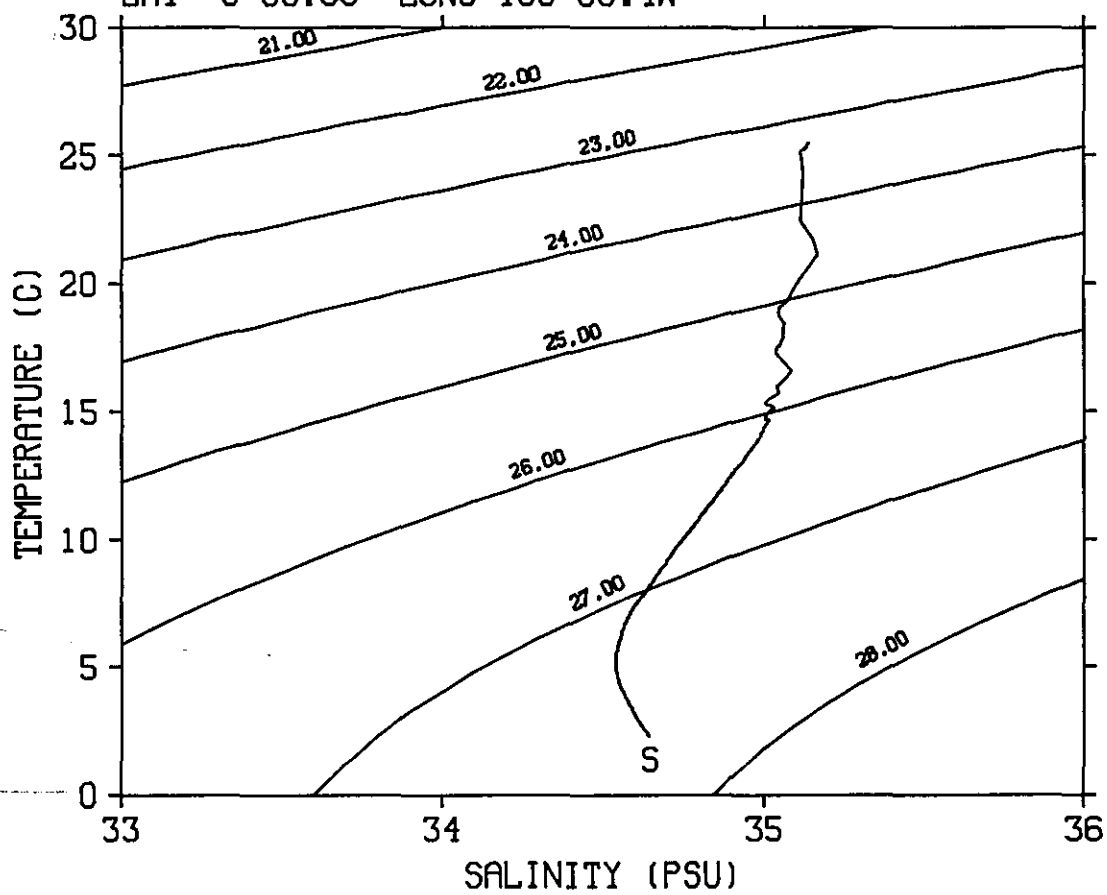




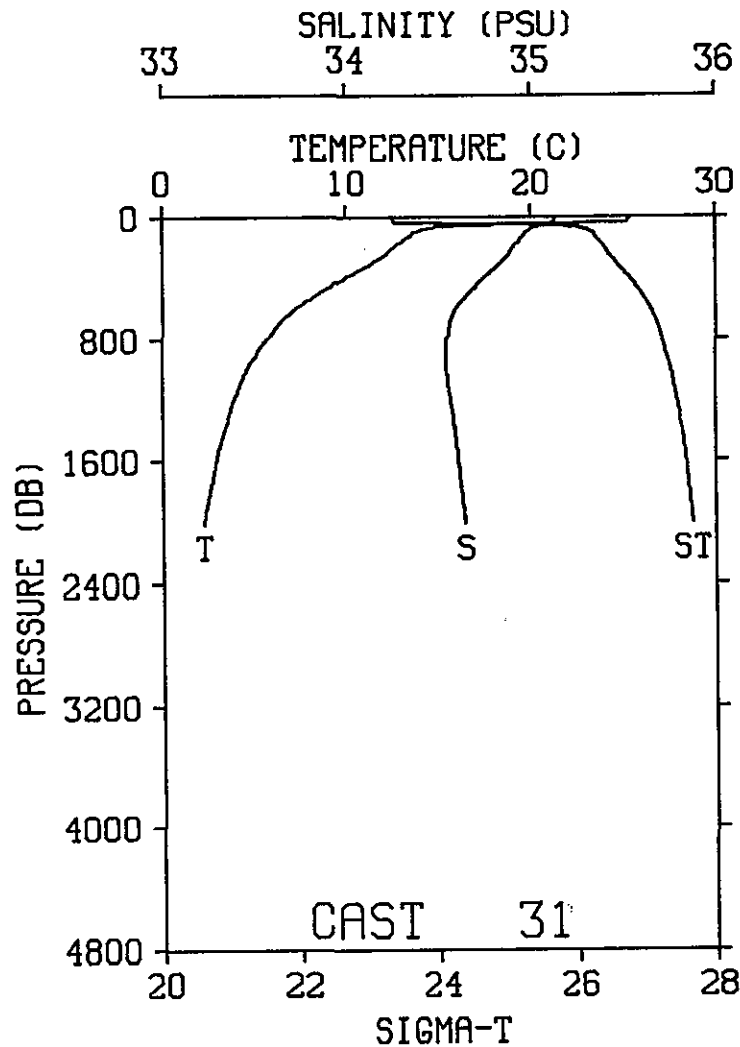
CAST EP2-85-DI-029 DATE 04 JUN 85 TIME 1512 GMT
 LAT 5 00.4S LONG 109 53.5W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 090 T SPD 10 KT VISIBILITY 8
 CLOUD 6 AMOUNT 1 DRY 24.9 WET 22.2 DEPTH 3391 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.298	35.133	23.353	0.000
10.	25.297	35.132	23.353	0.045
20.	25.298	35.132	23.352	0.090
30.	25.298	35.132	23.352	0.136
40.	24.449	35.109	23.592	0.180
50.	22.294	35.107	24.218	0.220
60.	16.047	35.028	25.760	0.248
70.	14.804	35.010	26.024	0.269
80.	14.245	34.990	26.128	0.289
90.	14.098	34.986	26.157	0.308
100.	13.920	34.977	26.187	0.326
110.	13.721	34.970	26.223	0.344
120.	13.449	34.955	26.268	0.362
130.	13.333	34.949	26.286	0.380
140.	13.236	34.945	26.303	0.398
150.	13.092	34.934	26.324	0.415
160.	13.054	34.931	26.330	0.432
170.	12.965	34.927	26.344	0.449
179.	12.842	34.918	26.362	0.465

CAST EP2-85-DI-031 DATE 04 JUN 85 TIME 2213 GMT
LAT 5 05.6S LONG 109 50.4W

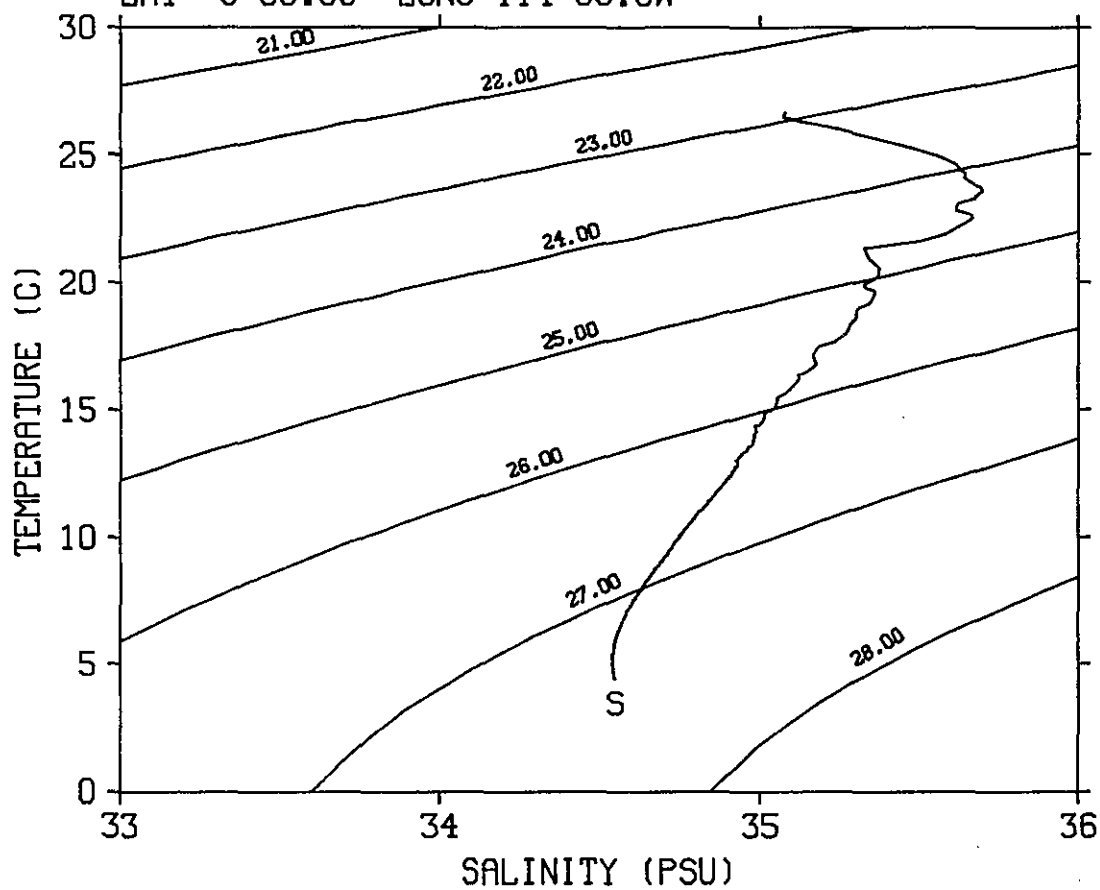


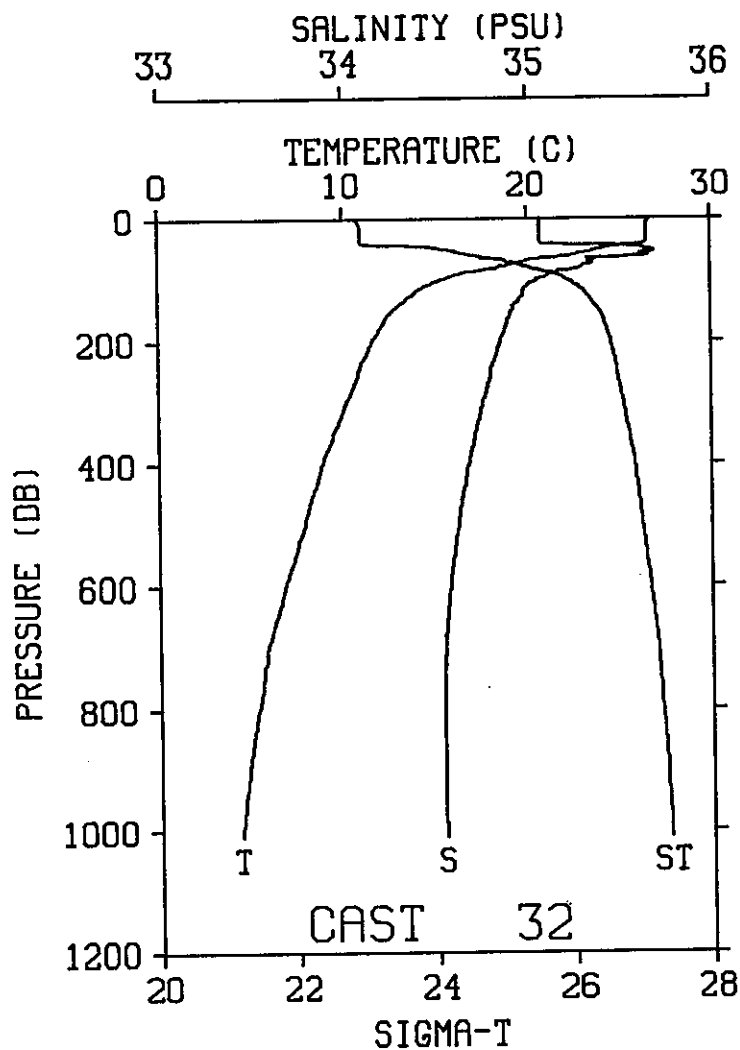
CAST EP2-85-DI-031 DATE 04 JUN 85 TIME 2213 GMT
 LAT 5 05.6S LONG 109 50.4W WEATHER 0 SEA STATE 1
 BAROMETER 11 WIND DIR 090 T SPD 13 KT VISIBILITY 7
 CLOUD 8 AMOUNT 1 DRY 27.1 WET 22.0 DEPTH 3428 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.451	35.136	23.308	0.000
10.	25.315	35.131	23.346	0.045
20.	25.298	35.130	23.351	0.091
30.	25.235	35.124	23.365	0.136
40.	21.723	35.149	24.410	0.179
50.	17.525	35.043	25.422	0.208
60.	15.314	34.999	25.903	0.231
70.	14.576	35.008	26.071	0.251
80.	14.113	34.990	26.156	0.270
90.	13.915	34.986	26.194	0.289
100.	13.655	34.971	26.237	0.307
110.	13.595	34.966	26.246	0.325
120.	13.509	34.961	26.259	0.343
130.	13.378	34.953	26.281	0.361
140.	13.237	34.944	26.302	0.378
150.	13.155	34.940	26.316	0.396
160.	13.033	34.933	26.335	0.413
170.	12.879	34.924	26.359	0.430
180.	12.723	34.912	26.381	0.447
190.	12.605	34.905	26.399	0.464
200.	12.511	34.900	26.413	0.480
250.	12.026	34.875	26.487	0.562
300.	11.421	34.837	26.572	0.640
350.	10.599	34.786	26.682	0.714
400.	9.890	34.741	26.769	0.783
450.	9.214	34.701	26.850	0.849
500.	8.522	34.662	26.929	0.911
550.	7.820	34.623	27.005	0.970
600.	7.243	34.592	27.063	1.025
650.	6.740	34.572	27.118	1.078
700.	6.341	34.560	27.161	1.129
750.	6.017	34.551	27.196	1.177
800.	5.693	34.544	27.231	1.225
850.	5.322	34.540	27.273	1.271
900.	5.150	34.540	27.293	1.315
950.	4.855	34.542	27.329	1.358
1000.	4.588	34.544	27.361	1.399
1500.	3.143	34.598	27.551	1.756
2000.	2.273	34.643	27.663	2.042
2012.	2.260	34.643	27.665	2.048

CAST EP2-85-DI-032 DATE 05 JUN 85 TIME 2121 GMT
LAT 5 00.8S LONG 114 59.8W

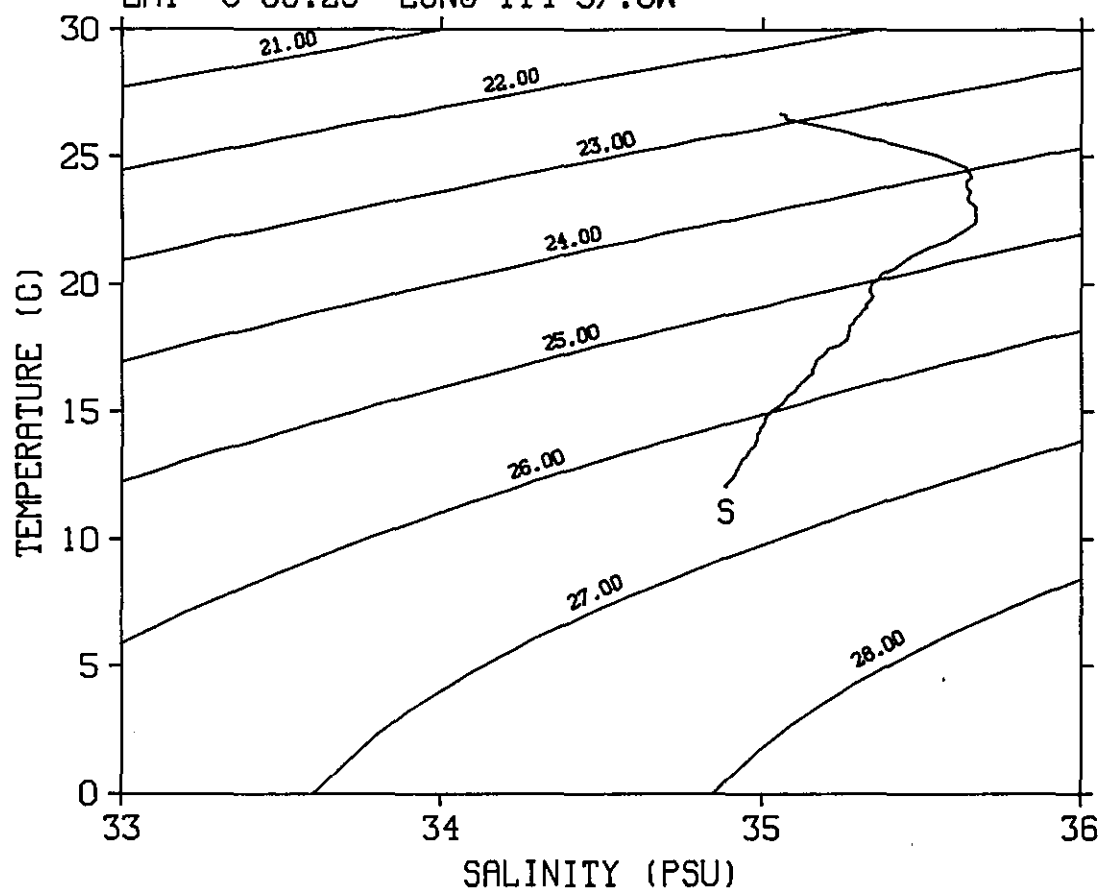




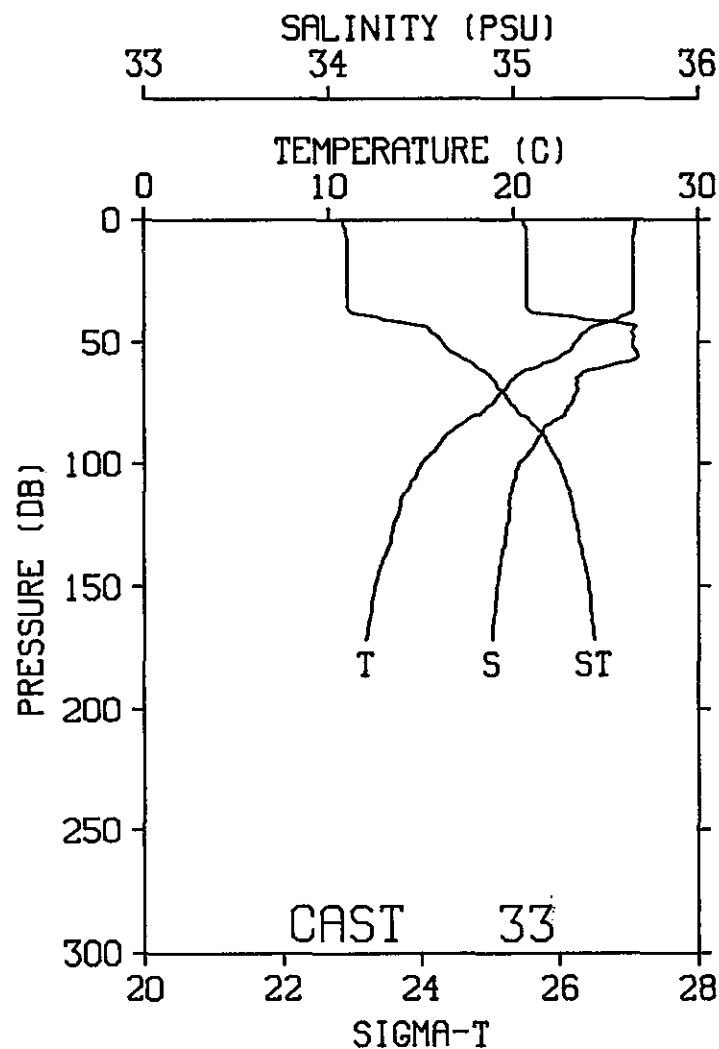
CAST EP2-85-DI-032 DATE 05 JUN 85 TIME 2121 GMT
 LAT 5 00.8S LONG 114 59.8W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 080 T SPD 10 KT VISIBILITY 7
 CLOUD 7 AMOUNT 7 DRY 26.6 WET 23.4 DEPTH 4200 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.646	35.074	22.888	0.000
10.	26.517	35.070	22.926	0.049
20.	26.499	35.070	22.932	0.099
30.	26.488	35.071	22.936	0.148
40.	26.459	35.079	22.951	0.197
50.	23.910	35.661	24.170	0.240
60.	22.481	35.665	24.589	0.276
70.	19.886	35.326	25.042	0.307
80.	18.472	35.297	25.383	0.335
90.	16.419	35.138	25.758	0.359
100.	15.408	35.052	25.922	0.381
110.	14.557	35.007	26.074	0.401
120.	13.942	34.977	26.183	0.420
130.	13.514	34.961	26.259	0.438
140.	13.118	34.933	26.317	0.456
150.	12.732	34.919	26.385	0.473
160.	12.430	34.908	26.435	0.489
170.	12.267	34.896	26.457	0.505
180.	12.039	34.882	26.490	0.521
190.	11.859	34.872	26.517	0.537
200.	11.602	34.856	26.553	0.552
250.	10.897	34.804	26.642	0.626
300.	10.162	34.758	26.736	0.697
350.	9.496	34.720	26.818	0.763
400.	8.868	34.682	26.891	0.826
450.	8.364	34.649	26.944	0.887
500.	7.916	34.627	26.994	0.945
550.	7.368	34.599	27.051	1.000
600.	6.811	34.577	27.112	1.053
650.	6.366	34.561	27.159	1.104
700.	5.852	34.547	27.213	1.152
750.	5.599	34.543	27.242	1.198
800.	5.327	34.541	27.273	1.243
850.	5.036	34.541	27.307	1.287
900.	4.789	34.541	27.336	1.329
950.	4.569	34.543	27.362	1.369
1000.	4.420	34.547	27.382	1.409
1010.	4.379	34.548	27.386	1.417

CAST EP2-85-DI-033 DATE 05 JUN 85 TIME 2231 GMT
LAT 5 00.2S LONG 114 57.8W

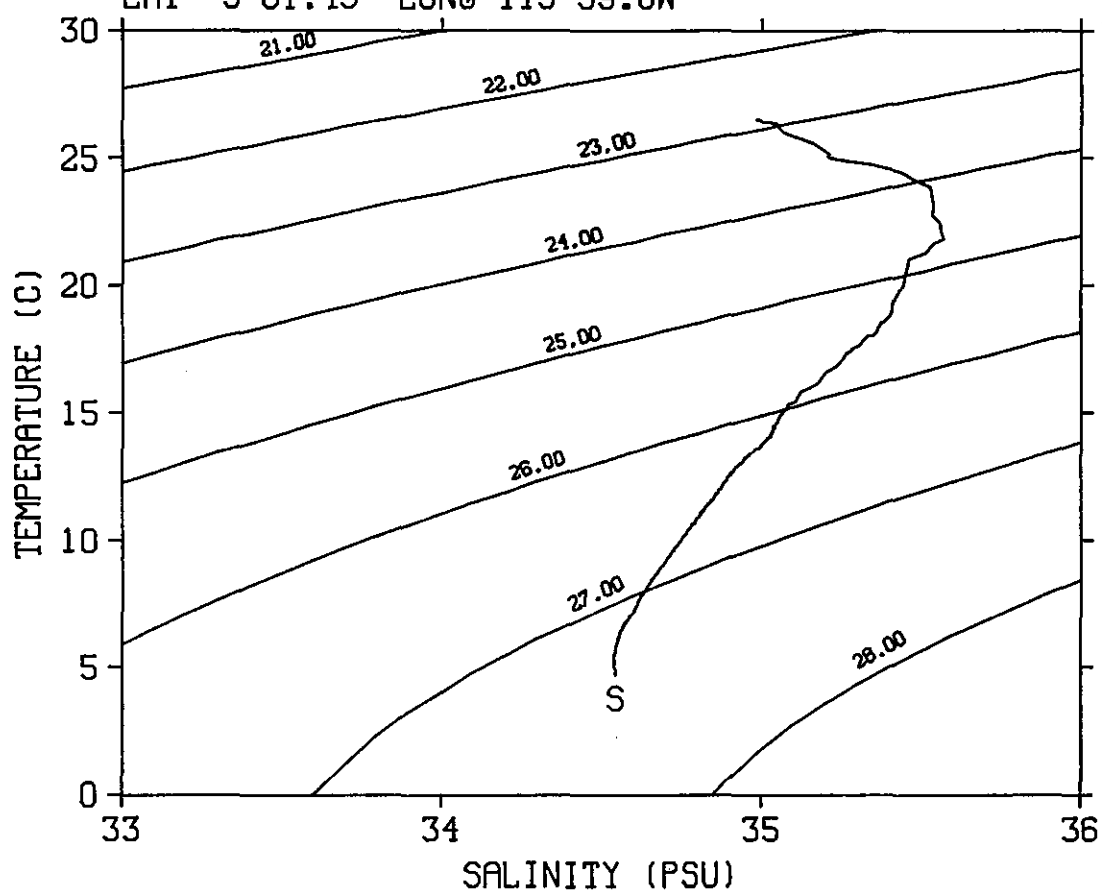


CAST EP2-85-DI-033 DATE 05 JUN 85 TIME 2231 GMT
 LAT 5 00.2S LONG 114 57.8W WEATHER 6 SEA STATE 3
 BAROMETER 10 WIND DIR 120 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 5 DRY 25.0 WET 23.0 DEPTH 4200 M

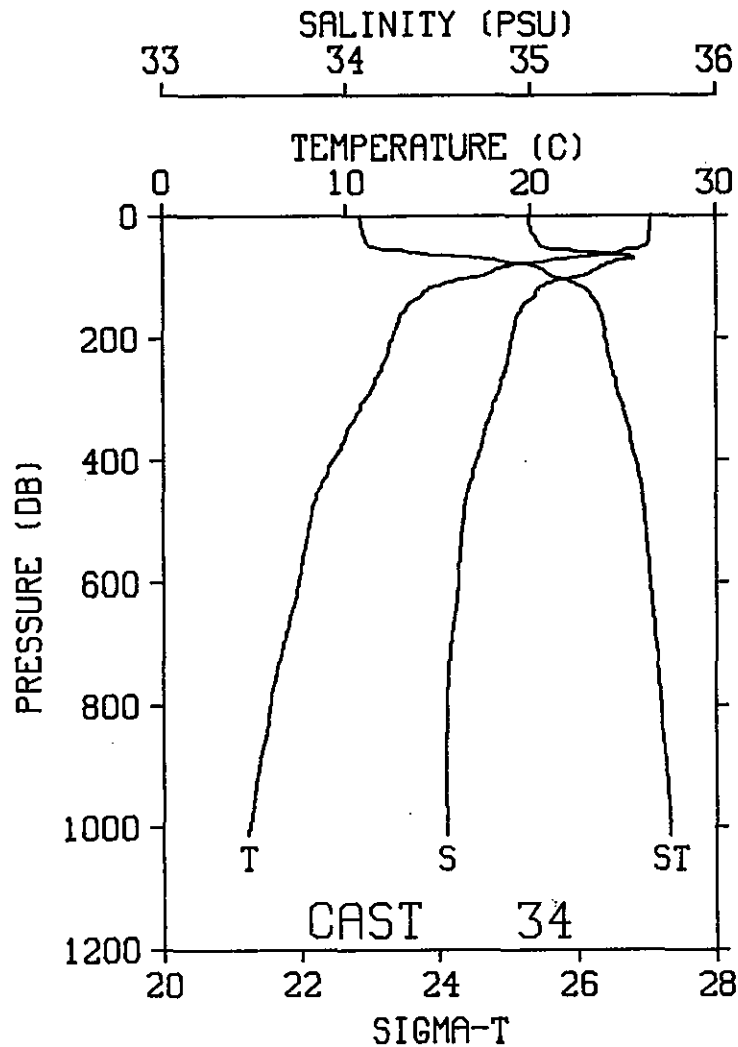


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.664	35.053	22.867	0.000
10.	26.510	35.071	22.928	0.049
20.	26.492	35.071	22.934	0.099
30.	26.480	35.071	22.938	0.148
40.	25.764	35.327	23.356	0.197
50.	23.430	35.649	24.303	0.236
60.	21.448	35.524	24.772	0.270
70.	19.514	35.352	25.159	0.300
80.	18.148	35.278	25.450	0.327
90.	16.194	35.129	25.803	0.350
100.	15.002	35.028	25.994	0.372
110.	14.309	34.989	26.114	0.391
120.	13.787	34.980	26.217	0.410
130.	13.405	34.959	26.280	0.428
140.	12.922	34.929	26.354	0.445
150.	12.496	34.912	26.425	0.462
160.	12.287	34.900	26.457	0.478
170.	12.048	34.886	26.492	0.494
172.	12.005	34.884	26.499	0.497

CAST EP2-85-D1-034 DATE 06 JUN 85 TIME 2013 GMT
LAT 5 01.4S LONG 119 59.8W

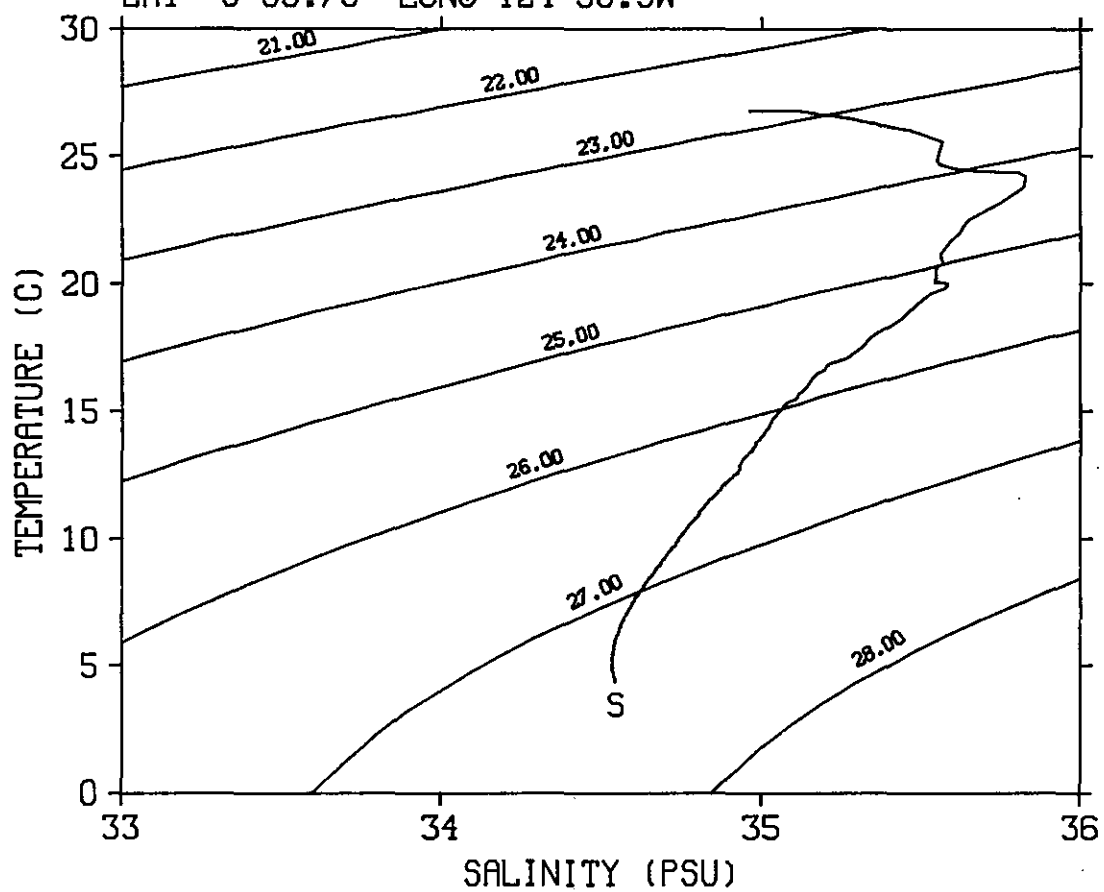


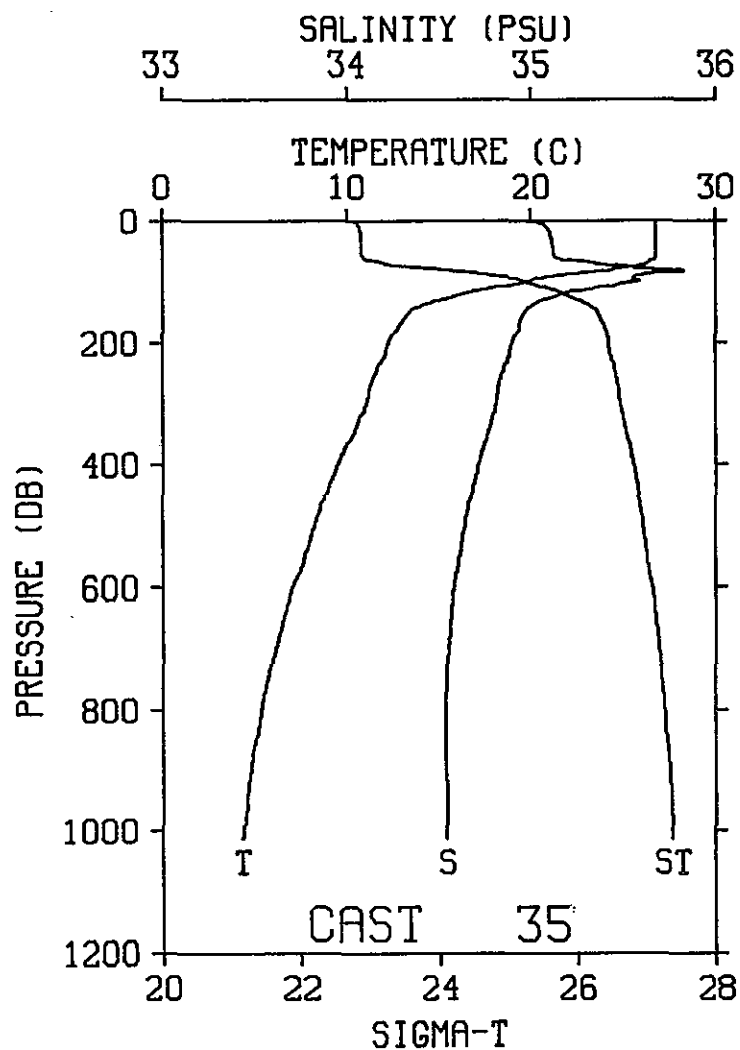
CAST EP2-85-DI-034 DATE 06 JUN 85 TIME 2013 GMT
 LAT 5 01.4S LONG 119 59.8W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 145 T SPD 14 KT VISIBILITY 8
 CLOUD 6 AMOUNT 3 DRY 27.9 WET 23.4 DEPTH 4116 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.531	34.984	22.856	0.000
10.	26.467	34.992	22.883	0.050
20.	26.434	34.997	22.897	0.099
30.	26.406	35.011	22.917	0.149
40.	26.362	35.035	22.948	0.198
50.	26.184	35.055	23.019	0.247
60.	24.730	35.339	23.681	0.293
70.	21.824	35.565	24.698	0.331
80.	19.098	35.409	25.310	0.361
90.	17.990	35.333	25.531	0.386
100.	17.290	35.264	25.648	0.411
110.	15.394	35.104	25.966	0.432
120.	14.425	35.033	26.123	0.452
130.	14.078	35.026	26.192	0.471
140.	13.562	34.978	26.262	0.489
150.	13.219	34.949	26.309	0.507
160.	12.996	34.932	26.342	0.524
170.	12.812	34.916	26.366	0.541
180.	12.725	34.911	26.379	0.558
190.	12.626	34.905	26.394	0.575
200.	12.528	34.898	26.408	0.591
250.	11.915	34.864	26.500	0.672
300.	11.013	34.808	26.624	0.749
350.	10.028	34.748	26.751	0.820
400.	9.236	34.702	26.847	0.886
450.	8.423	34.654	26.938	0.947
500.	8.030	34.633	26.981	1.006
550.	7.670	34.614	27.020	1.062
600.	7.360	34.604	27.057	1.118
650.	6.982	34.587	27.096	1.172
700.	6.504	34.562	27.141	1.223
750.	6.167	34.552	27.177	1.273
800.	5.849	34.545	27.212	1.321
850.	5.613	34.539	27.237	1.368
900.	5.217	34.538	27.284	1.414
950.	4.957	34.538	27.314	1.457
1000.	4.722	34.541	27.343	1.499
1012.	4.668	34.542	27.350	1.509

CAST EP2-85-DI-035 DATE 07 JUN 85 TIME 1816 GMT
LAT 5 00.7S LONG 124 58.3W

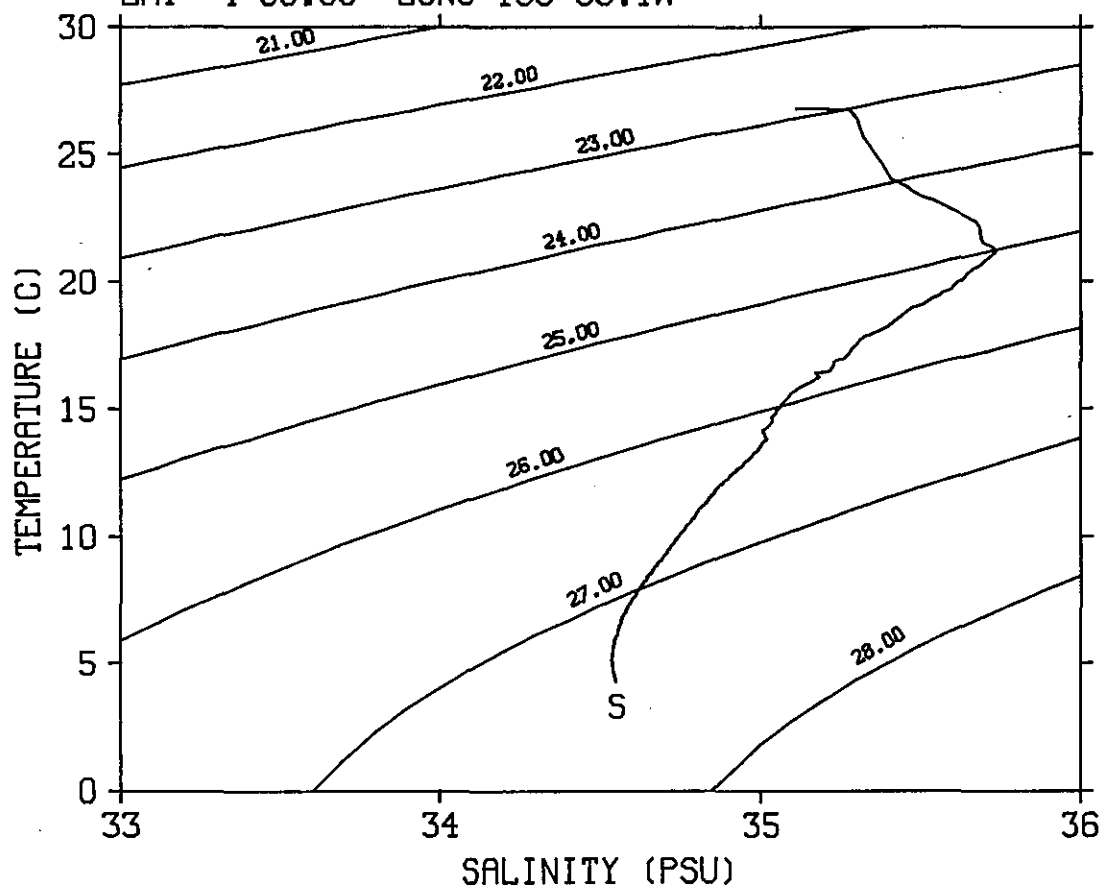


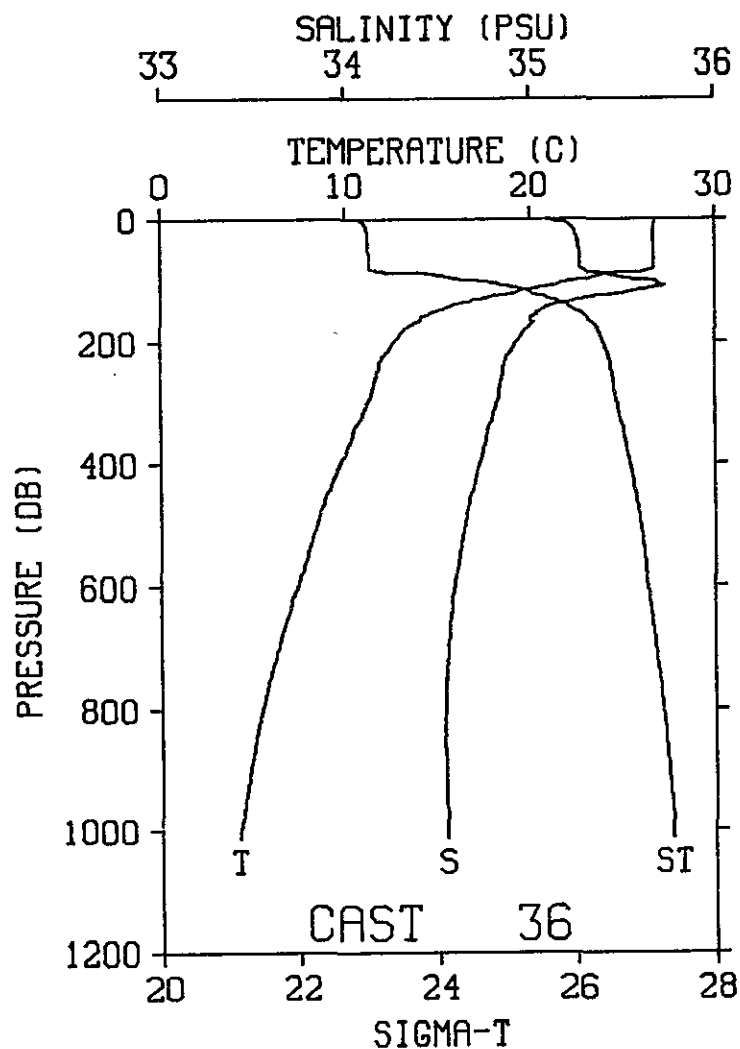


CAST EP2-85-DI-035 DATE 07 JUN 85 TIME 1816 GMT
 LAT 5 00.7S LONG 124 58.3W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 145 T SPD 14 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 27.5 WET 22.9 DEPTH 4371 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.777	34.960	22.761	0.000
10.	26.770	35.083	22.856	0.050
20.	26.771	35.104	22.871	0.100
30.	26.769	35.112	22.878	0.150
40.	26.768	35.116	22.881	0.200
50.	26.768	35.119	22.884	0.250
60.	26.746	35.134	22.901	0.299
70.	26.262	35.351	23.218	0.348
80.	24.412	35.682	24.037	0.391
90.	21.422	35.578	24.820	0.426
100.	19.875	35.584	25.242	0.455
110.	17.949	35.354	25.557	0.481
120.	16.294	35.157	25.802	0.504
130.	14.968	35.054	26.022	0.525
140.	13.999	35.000	26.188	0.545
150.	13.371	34.962	26.289	0.563
160.	13.075	34.942	26.333	0.580
170.	12.854	34.931	26.369	0.597
180.	12.677	34.931	26.404	0.614
190.	12.413	34.911	26.441	0.630
200.	12.262	34.897	26.459	0.647
250.	11.561	34.846	26.553	0.725
300.	11.052	34.811	26.619	0.801
350.	10.404	34.768	26.701	0.872
400.	9.494	34.713	26.813	0.940
450.	8.820	34.672	26.890	1.003
500.	8.252	34.639	26.953	1.064
550.	7.710	34.608	27.009	1.121
600.	7.027	34.578	27.083	1.176
650.	6.557	34.563	27.135	1.228
700.	6.124	34.550	27.181	1.278
750.	5.709	34.541	27.226	1.325
800.	5.358	34.536	27.266	1.371
850.	5.053	34.535	27.301	1.414
900.	4.762	34.537	27.335	1.456
950.	4.569	34.540	27.360	1.497
1000.	4.407	34.544	27.380	1.537
1013.	4.359	34.546	27.387	1.547

CAST EP2-85-DI-036 DATE 08 JUN 85 TIME 1906 GMT
LAT 4 59.6S LONG 130 00.1W

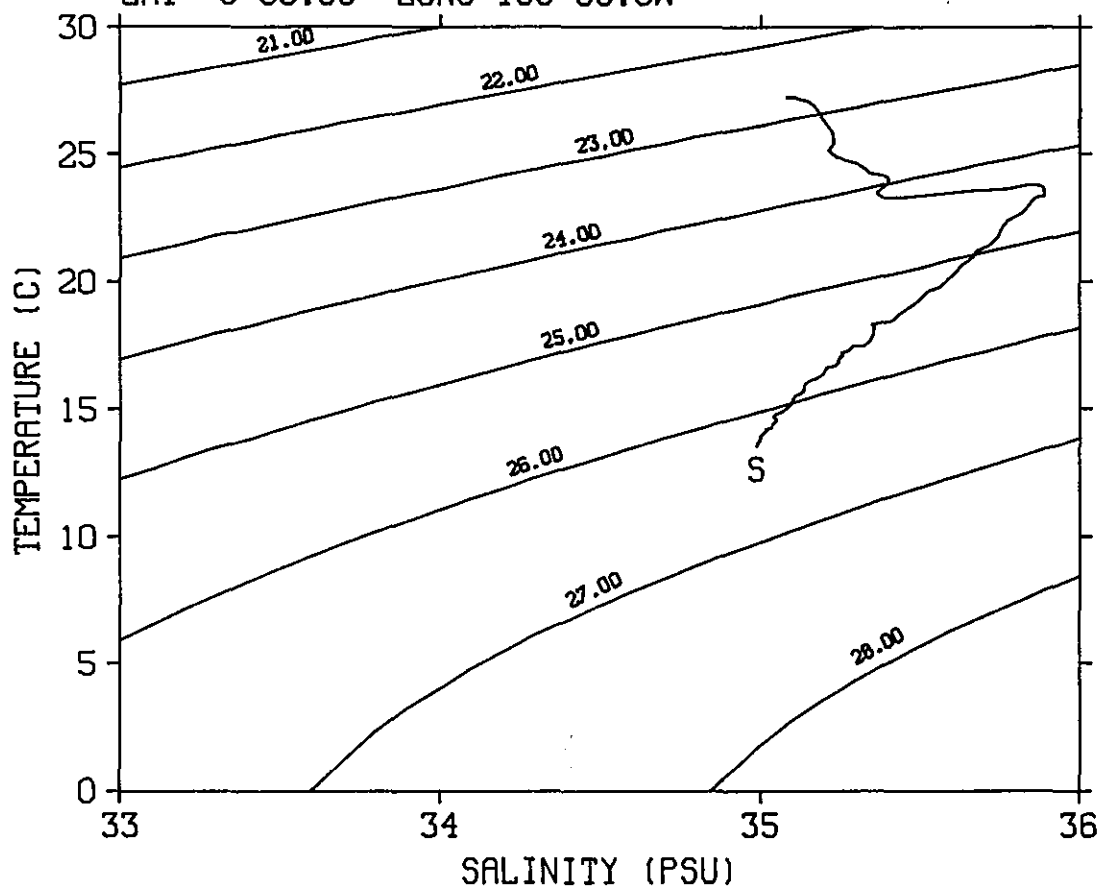


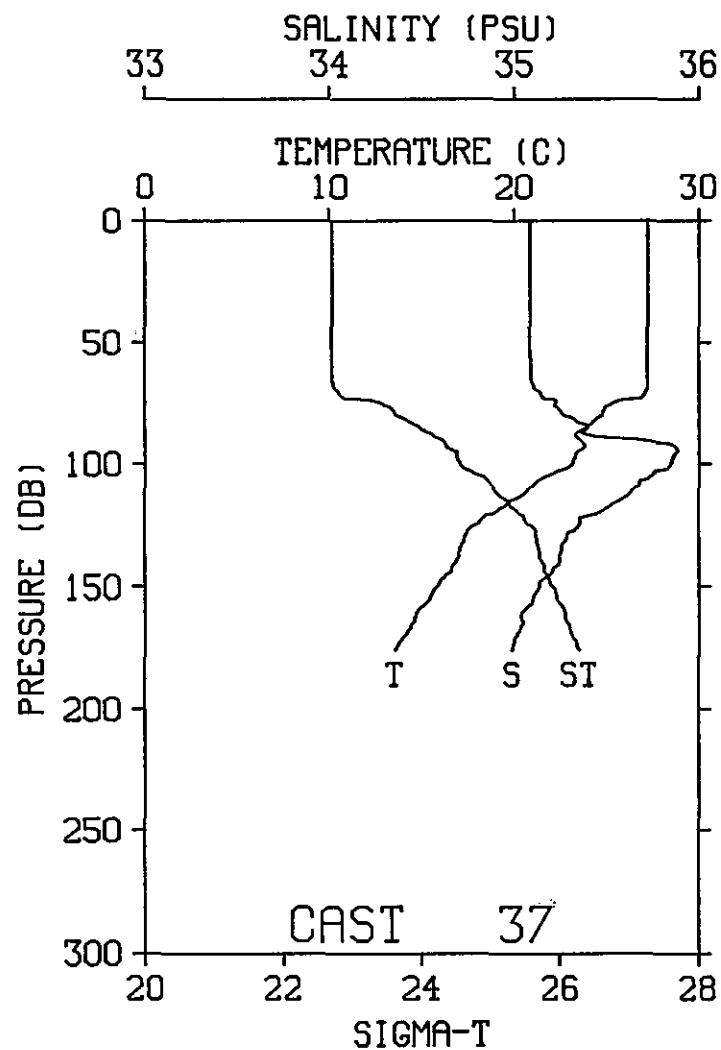


CAST EP2-85-DI-036 DATE 08 JUN 85 TIME 1906 GMT
 LAT 4 59.6S LONG 130 00.1W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 100 T SPD 14 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 27.0 WET 23.1 DEPTH 4462 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.789	35.110	22.870	0.000
10.	26.755	35.221	22.964	0.049
20.	26.741	35.245	22.987	0.098
30.	26.738	35.257	22.997	0.147
40.	26.737	35.265	23.003	0.196
50.	26.739	35.269	23.006	0.244
60.	26.739	35.272	23.008	0.293
70.	26.740	35.273	23.008	0.342
80.	26.727	35.274	23.013	0.390
90.	23.986	35.414	23.961	0.436
100.	22.655	35.632	24.514	0.474
110.	20.908	35.716	25.065	0.505
120.	19.231	35.523	25.363	0.533
130.	17.399	35.285	25.639	0.558
140.	15.821	35.124	25.885	0.580
150.	14.919	35.047	26.027	0.601
160.	14.113	35.005	26.168	0.620
170.	13.723	35.008	26.252	0.639
180.	13.236	34.978	26.329	0.657
190.	12.968	34.957	26.366	0.674
200.	12.694	34.930	26.401	0.691
250.	11.742	34.855	26.526	0.771
300.	11.193	34.821	26.601	0.847
350.	10.418	34.769	26.700	0.920
400.	9.733	34.727	26.785	0.989
450.	8.959	34.679	26.874	1.054
500.	8.432	34.647	26.931	1.115
550.	7.924	34.617	26.985	1.174
600.	7.414	34.592	27.039	1.230
650.	6.865	34.570	27.099	1.284
700.	6.364	34.556	27.155	1.335
750.	5.847	34.543	27.211	1.384
800.	5.451	34.537	27.255	1.430
850.	5.076	34.536	27.299	1.474
900.	4.763	34.537	27.336	1.516
950.	4.477	34.543	27.372	1.557
1000.	4.256	34.548	27.400	1.596
1012.	4.212	34.548	27.405	1.605

CAST EP2-85-D1-037 DATE 09 JUN 85 TIME 1559 GMT
LAT 5 00.9S LONG 135 00.6W

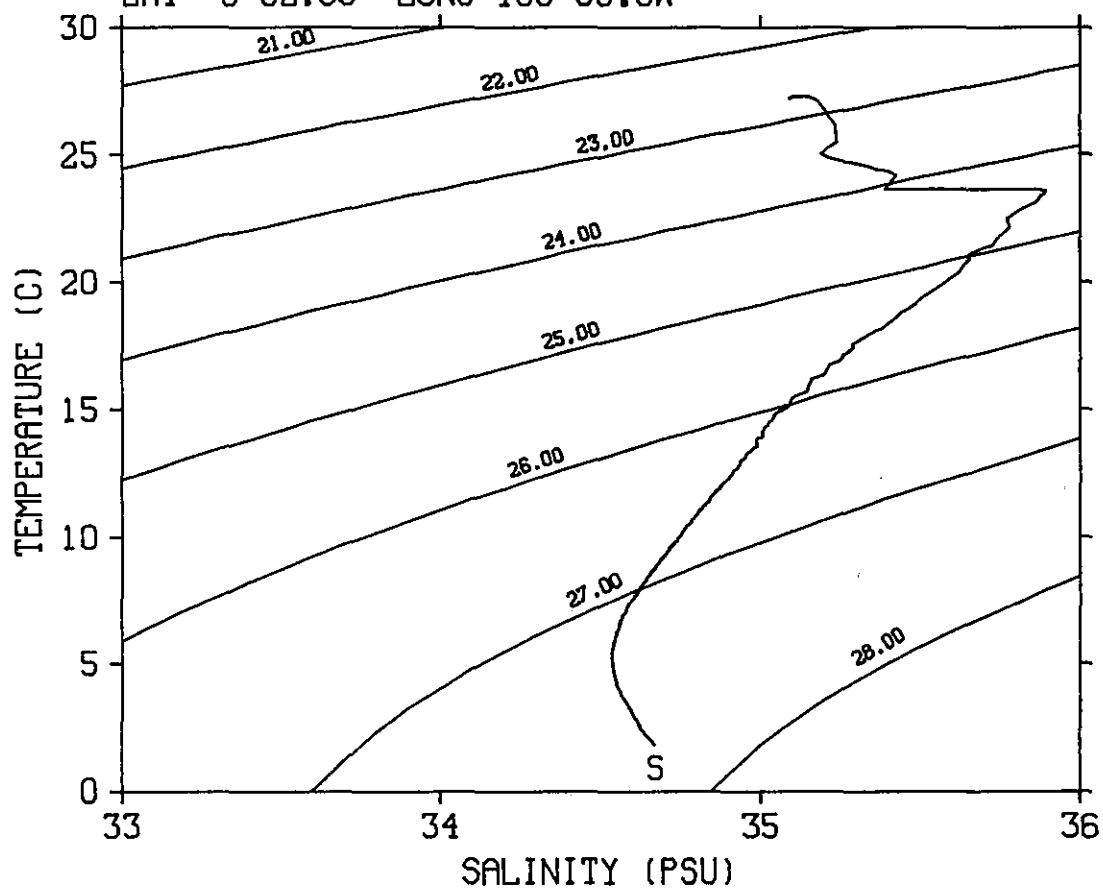


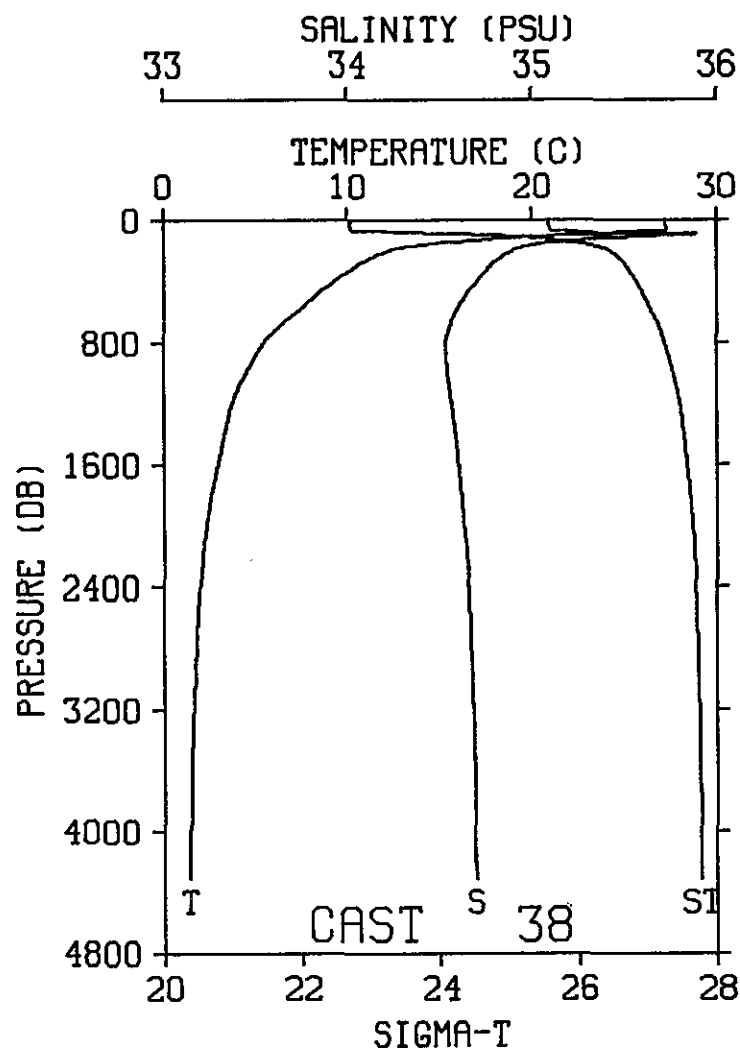


CAST EP2-85-DI-037 DATE 09 JUN 85 TIME 1559 GMT
 LAT 5 00.9S LONG 135 00.6W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 090 T SPD 06 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 26.3 WET 22.4 DEPTH 4535 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.239	35.083	22.706	0.000
10.	27.246	35.083	22.703	0.051
20.	27.246	35.083	22.703	0.103
30.	27.246	35.085	22.705	0.154
40.	27.249	35.084	22.703	0.206
50.	27.253	35.083	22.701	0.257
60.	27.250	35.091	22.708	0.309
70.	27.136	35.125	22.771	0.361
80.	24.741	35.268	23.624	0.407
90.	23.555	35.670	24.282	0.447
100.	23.118	35.851	24.547	0.482
110.	20.777	35.645	25.047	0.513
120.	18.796	35.446	25.415	0.541
130.	17.329	35.284	25.654	0.566
140.	16.807	35.244	25.749	0.589
150.	15.834	35.136	25.891	0.611
160.	14.726	35.043	26.066	0.632
170.	14.084	35.016	26.182	0.651
176.	13.538	34.988	26.275	0.662

CAST EP2-85-DI-038 DATE 09 JUN 85 TIME 1846 GMT
LAT 5 02.3S LONG 135 00.0W

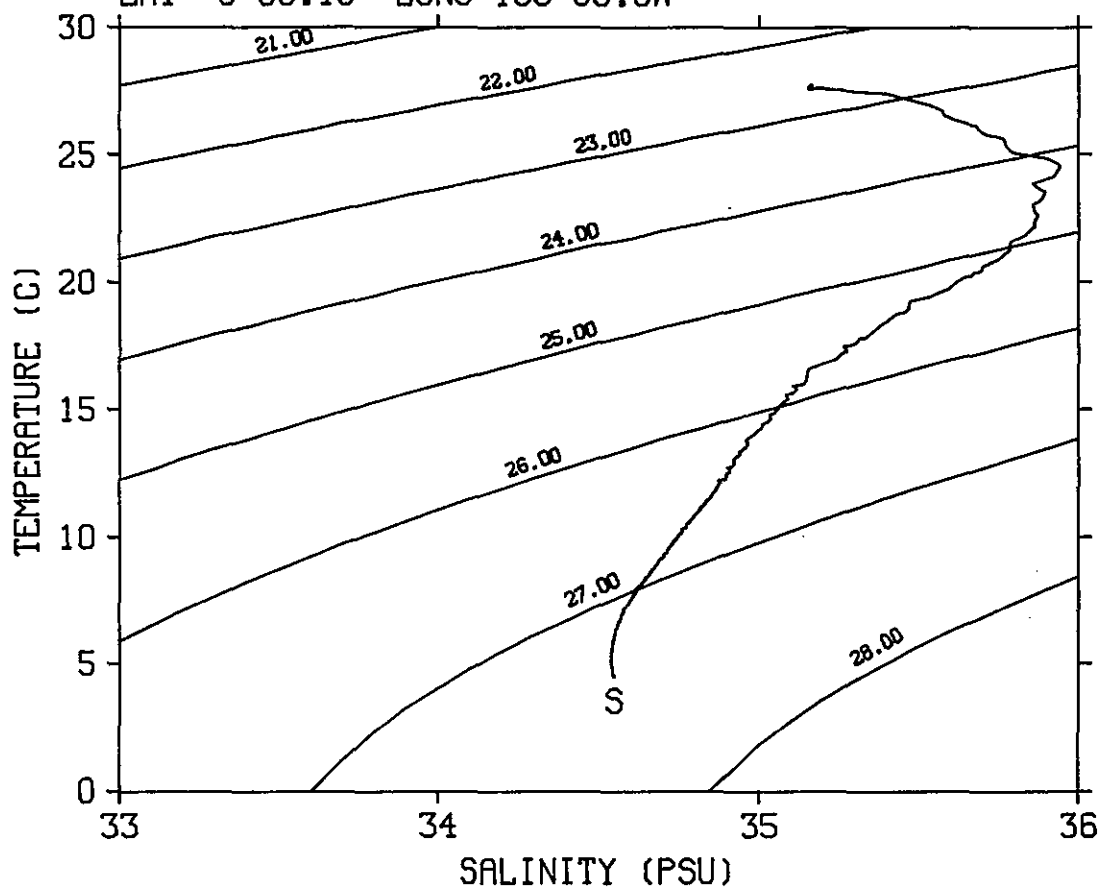


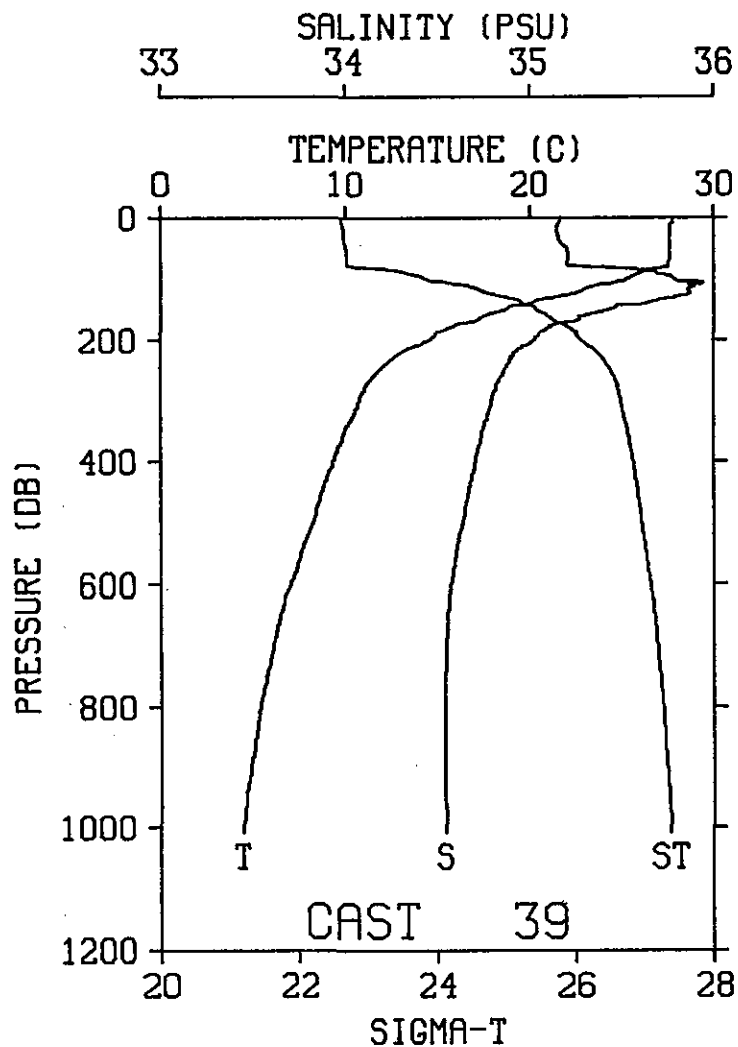


CAST EP2-85-DI-038 DATE 09 JUN 85 TIME 1846 GMT
 LAT 5 02.35 LONG 135 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 060 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 27.5 WET 23.4 DEPTH 4535 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.250	35.090	22.708	0.000
10.	27.247	35.090	22.708	0.051
20.	27.249	35.090	22.708	0.103
30.	27.250	35.090	22.708	0.154
40.	27.251	35.090	22.707	0.206
50.	27.257	35.094	22.709	0.257
60.	27.261	35.101	22.712	0.309
70.	27.264	35.106	22.715	0.360
80.	24.858	35.217	23.550	0.409
90.	23.644	35.545	24.161	0.450
100.	22.133	35.779	24.774	0.485
110.	19.924	35.573	25.220	0.515
120.	18.357	35.401	25.491	0.541
130.	17.329	35.282	25.653	0.565
140.	16.341	35.199	25.823	0.589
150.	15.058	35.084	26.025	0.610
160.	14.330	35.018	26.132	0.629
170.	13.528	34.989	26.278	0.648
180.	13.027	34.944	26.345	0.665
190.	12.498	34.912	26.425	0.682
200.	12.254	34.896	26.460	0.698
250.	11.251	34.828	26.596	0.776
300.	10.497	34.776	26.691	0.848
350.	9.908	34.740	26.765	0.916
400.	9.271	34.702	26.841	0.982
450.	8.635	34.661	26.910	1.044
500.	8.217	34.636	26.955	1.104
550.	7.683	34.606	27.012	1.162
600.	7.266	34.587	27.056	1.218
650.	6.661	34.564	27.122	1.271
700.	6.219	34.553	27.171	1.321
750.	5.824	34.542	27.213	1.369
800.	5.438	34.538	27.257	1.415
850.	5.191	34.537	27.286	1.459
900.	4.933	34.538	27.317	1.502
950.	4.706	34.540	27.344	1.544
1000.	4.501	34.544	27.370	1.584
1500.	3.118	34.594	27.550	1.933
2000.	2.335	34.632	27.649	2.222
2500.	1.920	34.660	27.705	2.474
3000.	1.702	34.675	27.734	2.708
3500.	1.517	34.686	27.757	2.933
4000.	1.445	34.691	27.766	3.152
4310.	1.412	34.695	27.772	3.288

CAST EP2-85-DI-039 DATE 11 JUN 85 TIME 0218 GMT
LAT 6 00.1S LONG 139 59.3W

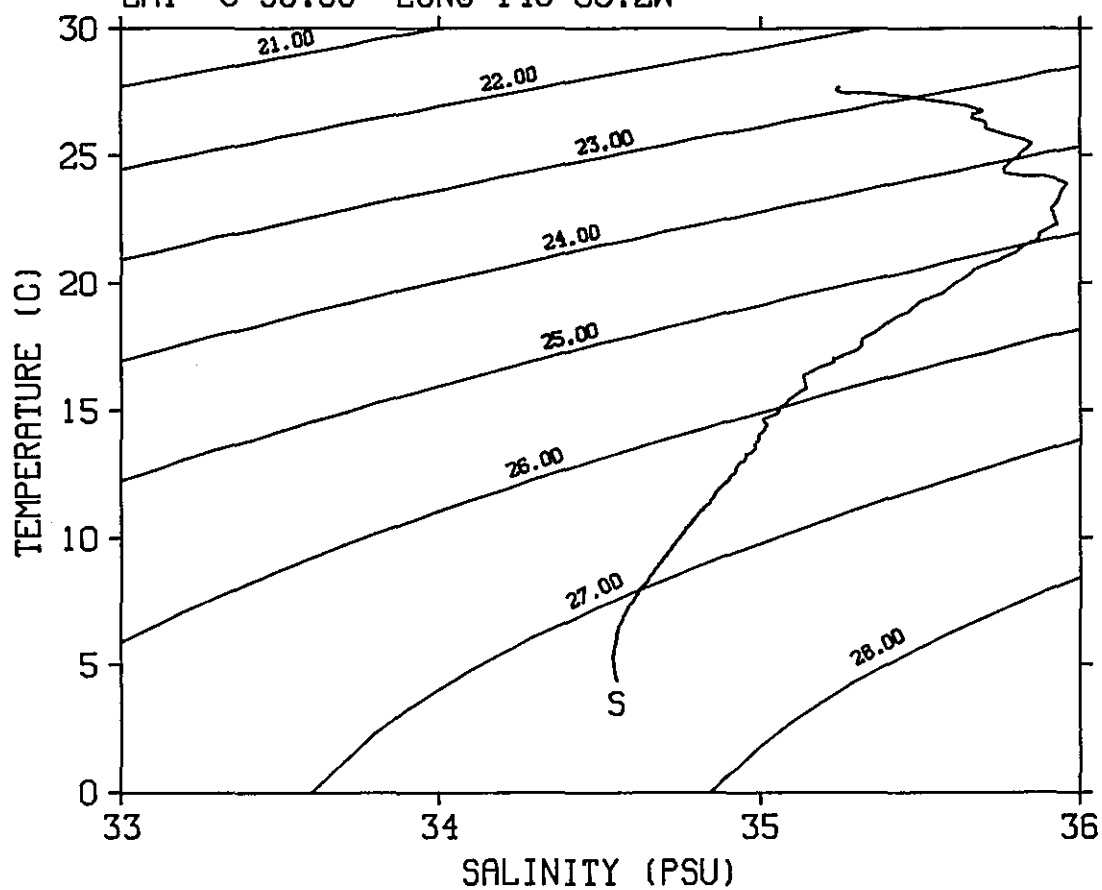




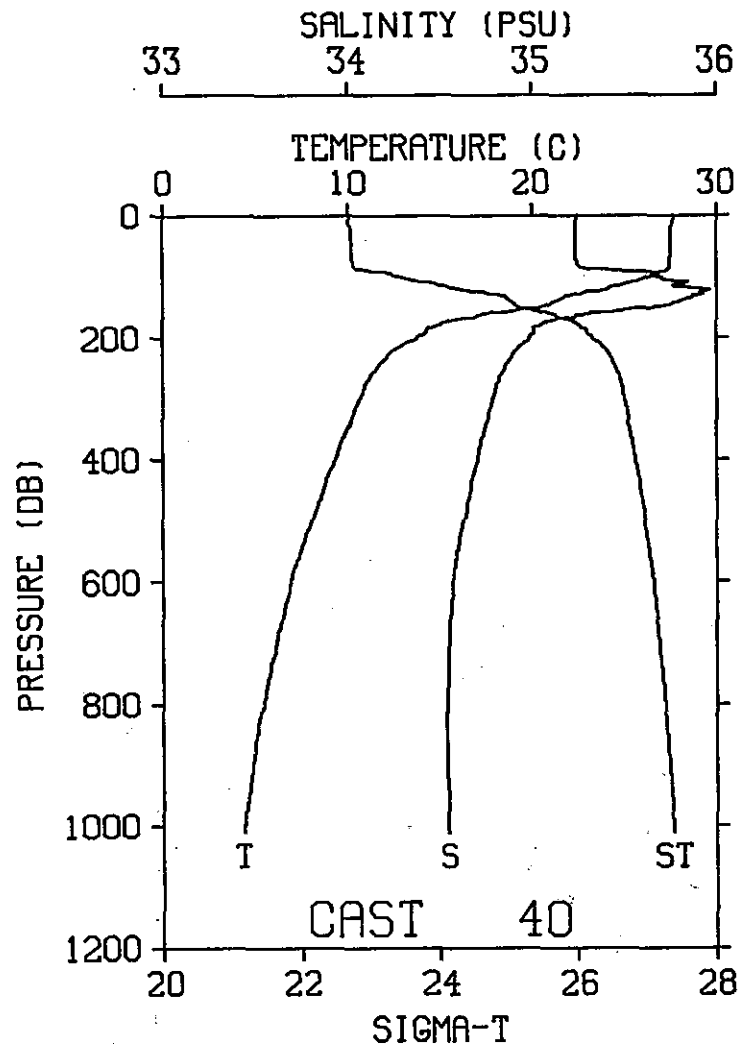
CAST EP2-85-DI-039 DATE 11 JUN 85 TIME 0218 GMT
 LAT 6 00.1S LONG 139 59.3W WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 060 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 27.0 WET 24.0 DEPTH 4149 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.745	35.164	22.604	0.000
10.	27.623	35.152	22.634	0.052
20.	27.595	35.153	22.643	0.104
30.	27.587	35.155	22.648	0.156
40.	27.589	35.170	22.658	0.208
50.	27.592	35.204	22.683	0.260
60.	27.560	35.209	22.697	0.312
70.	27.549	35.207	22.699	0.364
80.	27.477	35.336	22.820	0.415
90.	25.995	35.688	23.556	0.461
100.	25.270	35.782	23.852	0.503
110.	23.629	35.878	24.417	0.542
120.	22.728	35.864	24.669	0.576
130.	21.247	35.791	25.030	0.607
140.	20.097	35.636	25.222	0.636
150.	18.716	35.433	25.425	0.662
160.	17.637	35.304	25.595	0.688
170.	16.973	35.243	25.708	0.711
180.	15.699	35.111	25.903	0.734
190.	14.949	35.054	26.026	0.754
200.	14.637	35.033	26.077	0.774
250.	11.891	34.867	26.507	0.862
300.	10.774	34.796	26.658	0.936
350.	9.978	34.745	26.757	1.006
400.	9.336	34.710	26.837	1.072
450.	8.708	34.669	26.906	1.135
500.	8.231	34.640	26.956	1.195
550.	7.569	34.602	27.025	1.252
600.	7.005	34.575	27.084	1.307
650.	6.472	34.558	27.142	1.358
700.	6.096	34.550	27.185	1.408
750.	5.736	34.544	27.225	1.455
800.	5.380	34.540	27.266	1.501
850.	5.157	34.540	27.292	1.545
900.	4.883	34.541	27.325	1.587
950.	4.637	34.544	27.355	1.629
1000.	4.474	34.547	27.375	1.669
1009.	4.444	34.548	27.379	1.676

CAST EP2-85-DI-040 DATE 11 JUN 85 TIME 0556 GMT
LAT 5 30.6S LONG 140 00.2W

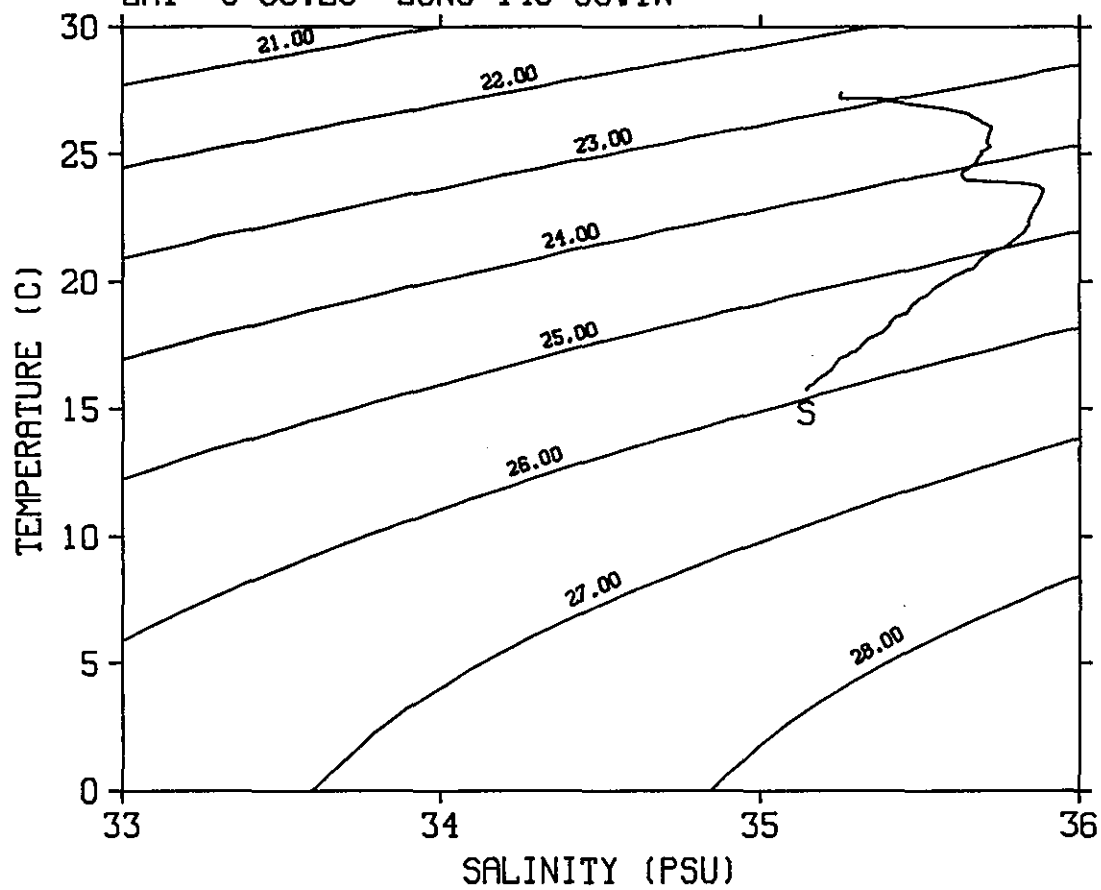


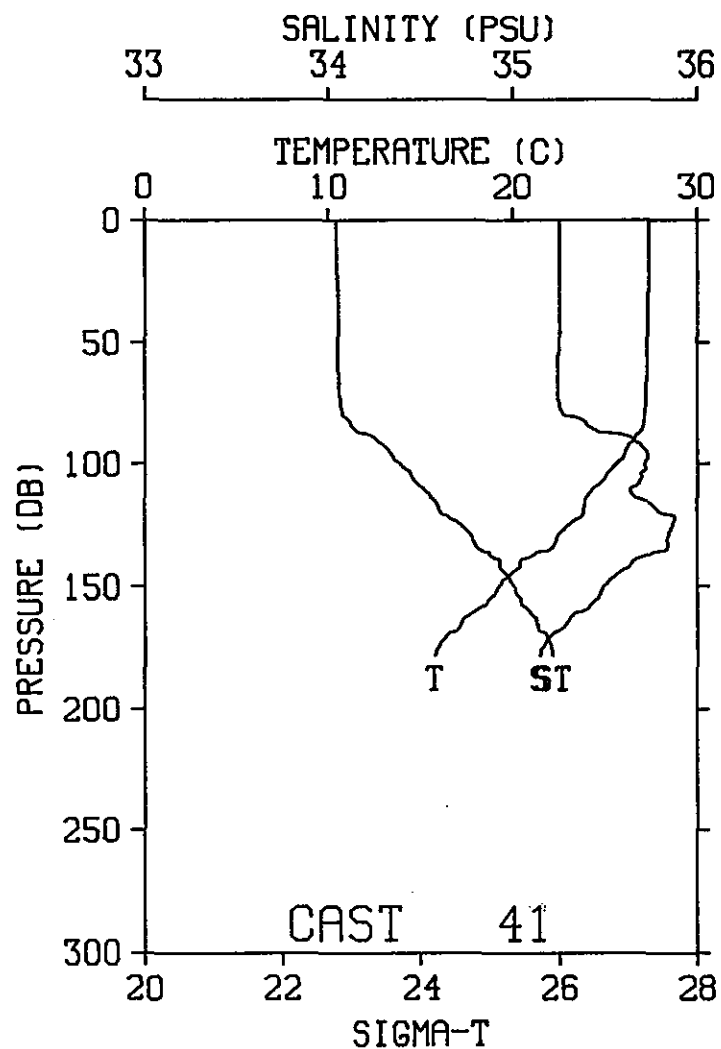
CAST EP2-85-DI-040 DATE 11 JUN 85 TIME 0556 GMT
 LAT 5 30.6S LONG 140 00.2W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 065 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 1 DRY 26.4 WET 23.6 DEPTH 4170 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.673	35.244	22.687	0.000
10.	27.670	35.243	22.687	0.052
20.	27.565	35.240	22.719	0.103
30.	27.542	35.239	22.726	0.154
40.	27.534	35.239	22.728	0.206
50.	27.531	35.240	22.730	0.257
60.	27.526	35.240	22.731	0.308
70.	27.516	35.242	22.736	0.360
80.	27.491	35.250	22.750	0.411
90.	27.291	35.475	22.985	0.462
100.	26.450	35.666	23.396	0.508
110.	25.317	35.838	23.879	0.551
120.	24.142	35.914	24.293	0.590
130.	22.038	35.893	24.887	0.624
140.	21.309	35.811	25.028	0.654
150.	20.515	35.663	25.132	0.683
160.	17.803	35.319	25.566	0.710
170.	15.853	35.141	25.891	0.733
180.	14.993	35.057	26.018	0.754
190.	14.301	35.016	26.137	0.774
200.	13.773	34.990	26.227	0.793
250.	11.577	34.854	26.556	0.875
300.	10.655	34.790	26.674	0.949
350.	9.997	34.748	26.756	1.018
400.	9.320	34.706	26.837	1.084
450.	8.674	34.666	26.909	1.146
500.	8.049	34.630	26.976	1.205
550.	7.433	34.595	27.039	1.262
600.	6.910	34.573	27.095	1.315
650.	6.524	34.560	27.137	1.367
700.	6.166	34.552	27.177	1.416
750.	5.772	34.546	27.223	1.464
800.	5.437	34.541	27.260	1.510
850.	5.098	34.541	27.300	1.553
900.	4.859	34.541	27.328	1.596
950.	4.607	34.545	27.359	1.637
1000.	4.390	34.549	27.386	1.676
1011.	4.349	34.550	27.392	1.685

CAST EP2-85-DI-041 DATE 11 JUN 85 TIME 0911 GMT
LAT 5 00.2S LONG 140 00.1W

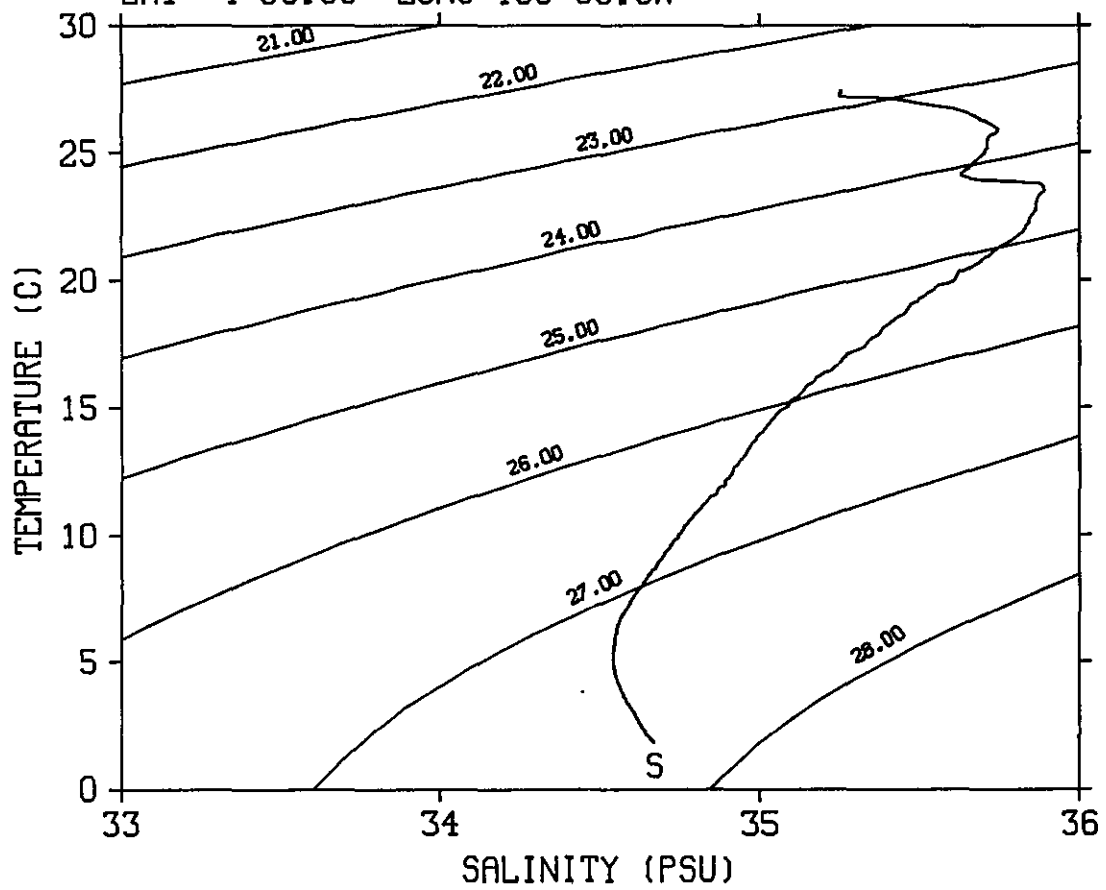


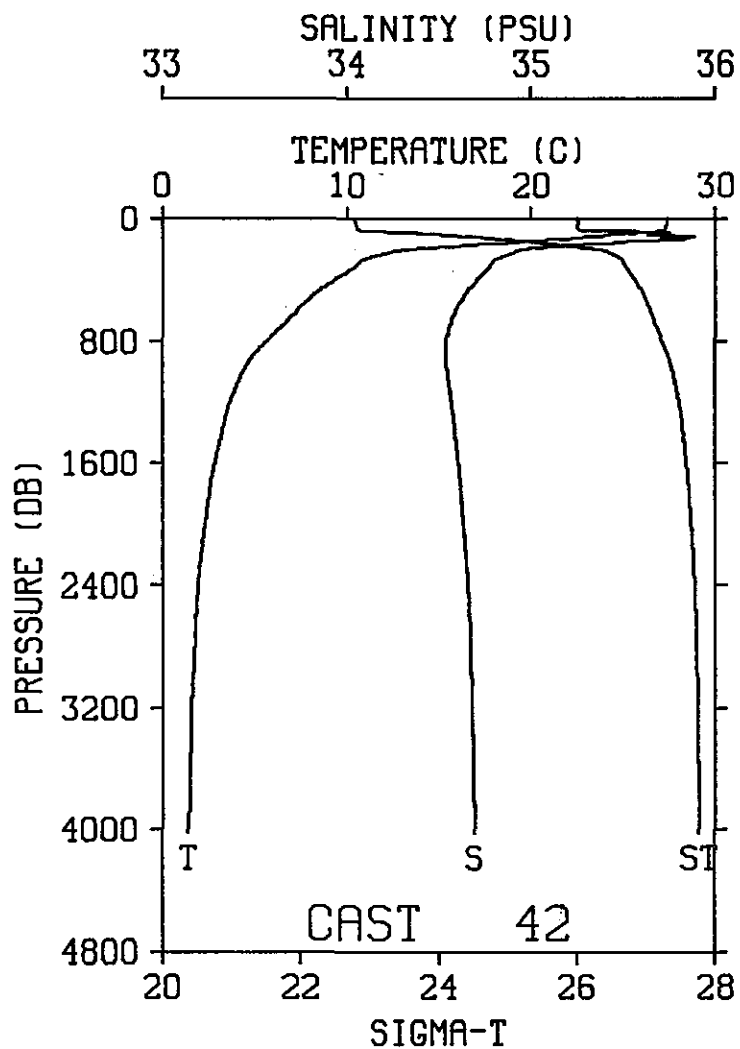


CAST EP2-85-DI-041 DATE 11 JUN 85 TIME 0911 GMT
 LAT 5 00.2S LONG 140 00.1W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 065 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 26.2 WET 23.8 DEPTH 4151 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.390	35.254	22.786	0.000
10.	27.393	35.254	22.784	0.051
20.	27.381	35.252	22.787	0.101
30.	27.350	35.252	22.797	0.152
40.	27.333	35.251	22.802	0.203
50.	27.322	35.251	22.805	0.253
60.	27.292	35.248	22.813	0.304
70.	27.251	35.247	22.825	0.354
80.	27.182	35.273	22.867	0.405
90.	26.552	35.658	23.358	0.453
100.	25.588	35.718	23.705	0.497
110.	24.299	35.638	24.037	0.537
120.	23.859	35.814	24.301	0.575
130.	22.379	35.842	24.752	0.609
140.	20.404	35.647	25.149	0.640
150.	19.200	35.495	25.349	0.667
160.	17.934	35.380	25.580	0.693
170.	16.341	35.204	25.827	0.717
178.	15.759	35.142	25.913	0.734

CAST EP2-85-DI-042 DATE 11 JUN 85 TIME 1116 GMT
LAT 4 58.3S LONG 139 59.0W

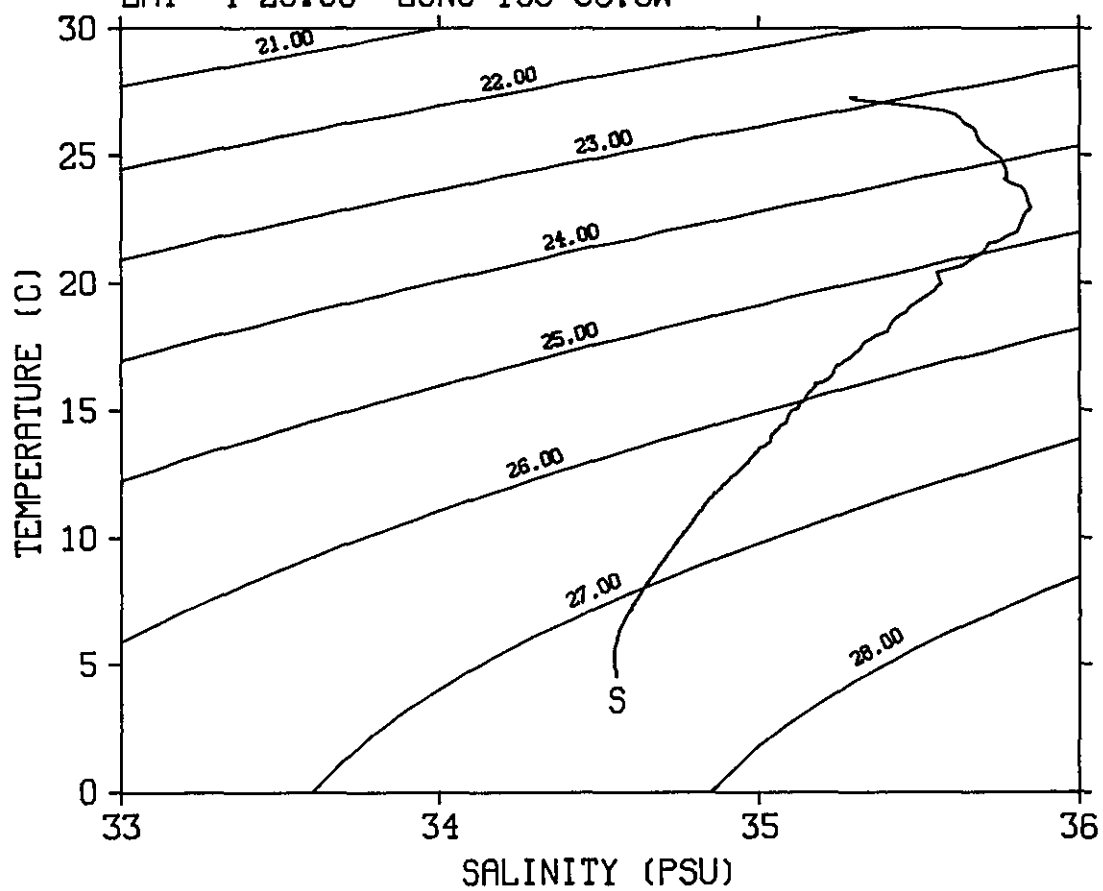


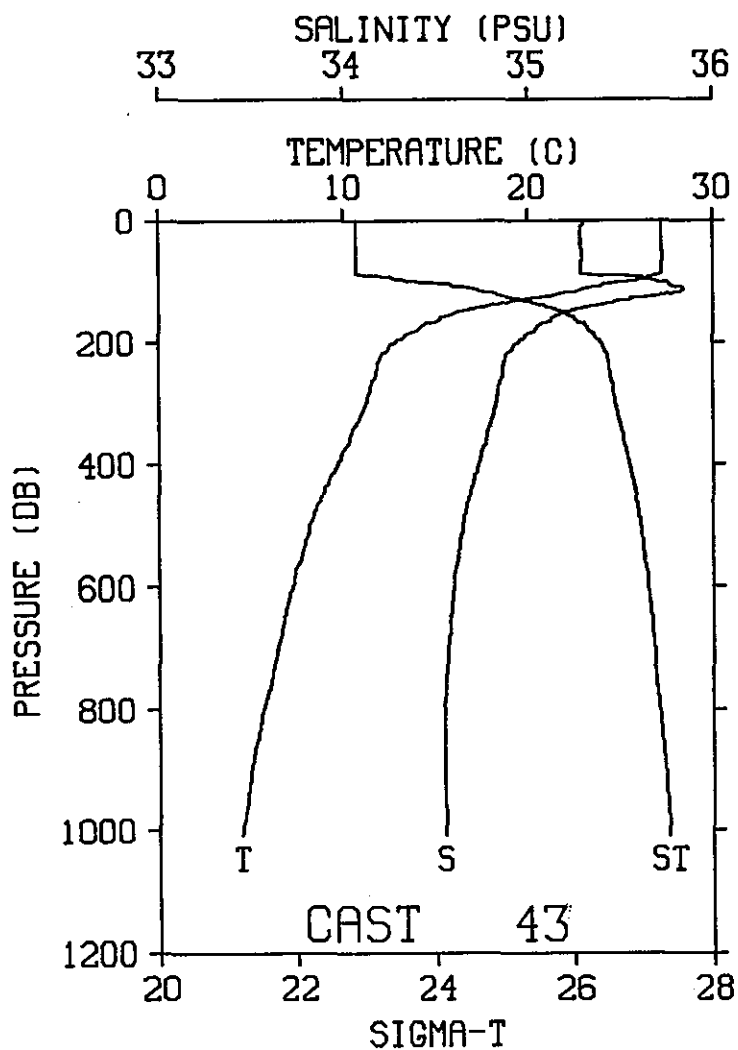


CAST EP2-85-DI-042 DATE 11 JUN 85 TIME 1116 GMT
 LAT 4 58.3S LONG 139 59.0W WEATHER 1 SEA STATE 1
 BAROMETER 11 WIND DIR 075 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 26.0 WET 23.4 DEPTH 4150 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.387	35.253	22.786	0.000
10.	27.396	35.254	22.784	0.051
20.	27.385	35.254	22.788	0.101
30.	27.366	35.254	22.793	0.152
40.	27.331	35.253	22.804	0.203
50.	27.309	35.251	22.809	0.253
60.	27.279	35.249	22.818	0.304
70.	27.227	35.249	22.835	0.354
80.	27.105	35.412	22.996	0.404
90.	26.240	35.700	23.488	0.451
100.	24.892	35.694	23.901	0.493
110.	23.886	35.733	24.232	0.532
120.	23.475	35.887	24.470	0.568
130.	22.255	35.841	24.787	0.601
140.	20.880	35.701	25.061	0.632
150.	19.459	35.521	25.302	0.660
160.	18.549	35.433	25.468	0.686
170.	16.896	35.259	25.739	0.710
180.	15.977	35.167	25.882	0.732
190.	14.441	35.033	26.120	0.753
200.	13.175	34.957	26.325	0.771
250.	11.351	34.839	26.586	0.851
300.	10.527	34.779	26.688	0.923
350.	9.991	34.745	26.755	0.992
400.	9.311	34.704	26.836	1.058
450.	8.747	34.673	26.903	1.121
500.	8.167	34.637	26.964	1.181
550.	7.735	34.609	27.006	1.238
600.	7.295	34.588	27.053	1.294
650.	6.851	34.569	27.100	1.347
700.	6.468	34.554	27.140	1.399
750.	6.084	34.547	27.184	1.449
800.	5.682	34.542	27.231	1.496
850.	5.259	34.539	27.279	1.542
900.	4.883	34.539	27.323	1.585
950.	4.640	34.543	27.354	1.626
1000.	4.369	34.549	27.388	1.665
1500.	3.030	34.599	27.562	2.008
2000.	2.317	34.634	27.653	2.293
2500.	1.882	34.664	27.712	2.542
3000.	1.646	34.678	27.741	2.773
3500.	1.510	34.687	27.758	2.994
4000.	1.412	34.695	27.772	3.212
4031.	1.412	34.695	27.772	3.225

CAST EP2-85-DI-043 DATE 11 JUN 85 TIME 1540 GMT
LAT 4 29.9S LONG 139 58.9W

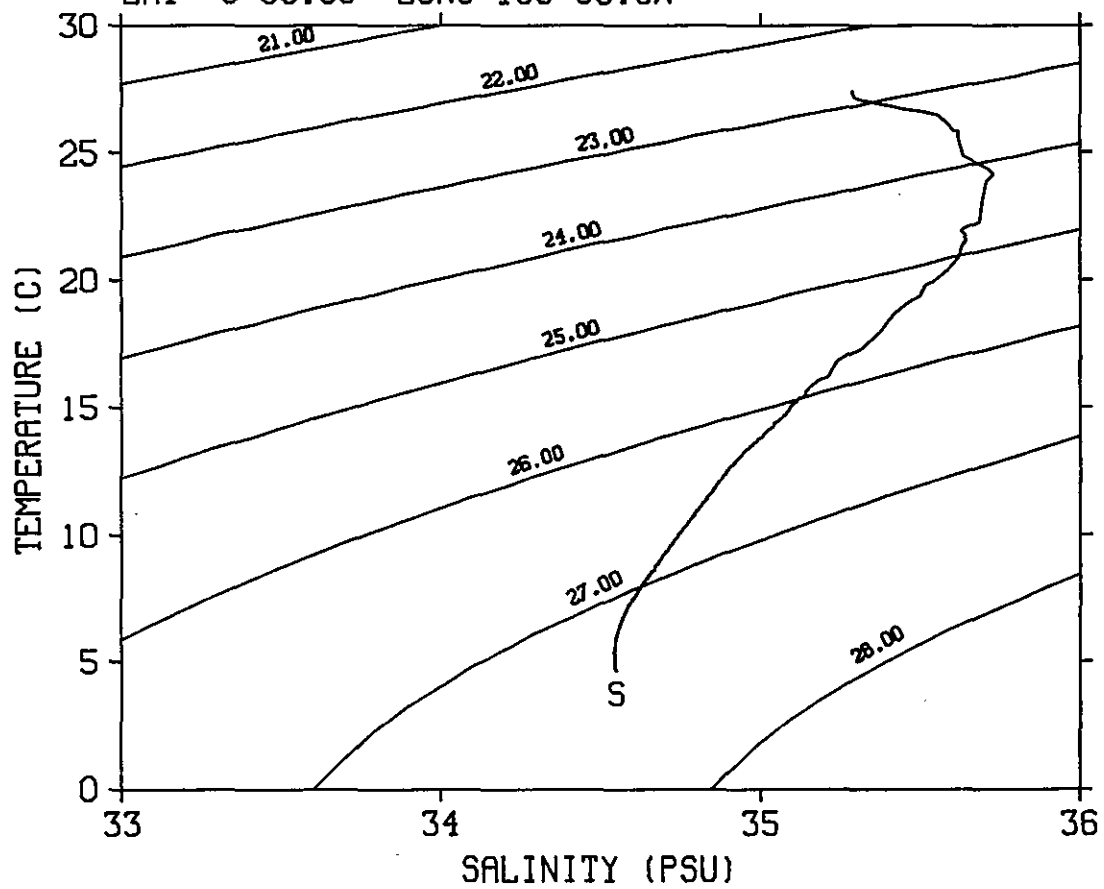




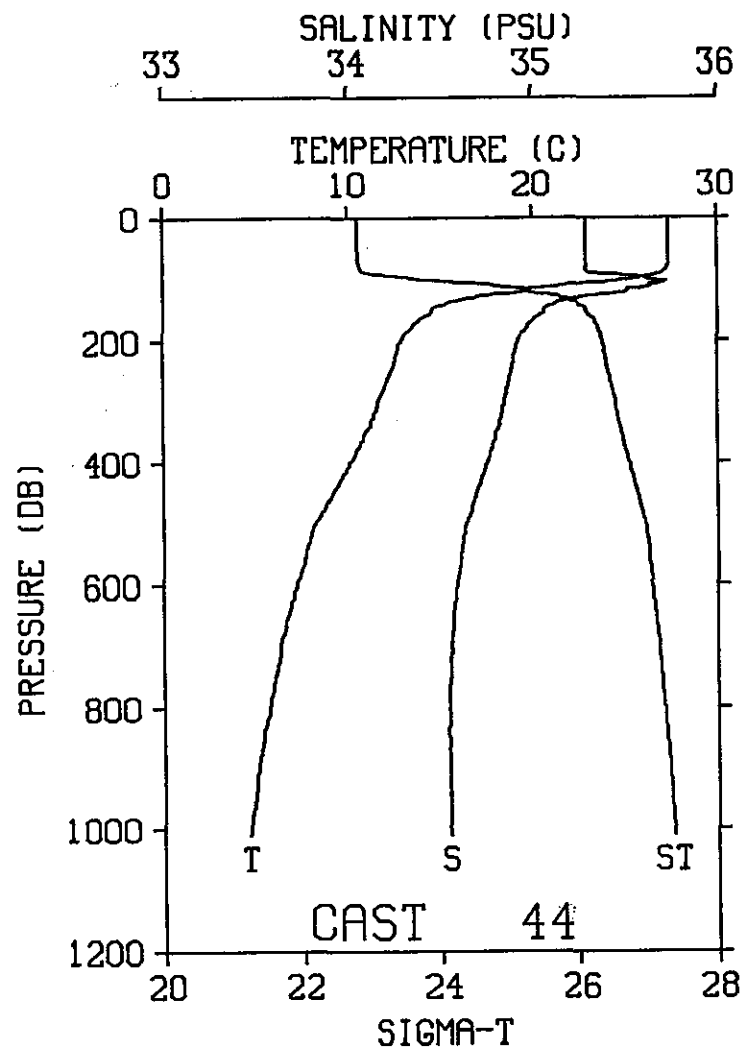
CAST EP2-85-DI-043 DATE 11 JUN 85 TIME 1540 GMT
 LAT 4 29.9S LONG 139 58.9W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 080 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 26.2 WET 23.0 DEPTH 4206 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.285	35.305	22.858	0.000
10.	27.285	35.287	22.845	0.050
20.	27.286	35.290	22.846	0.100
30.	27.292	35.290	22.845	0.150
40.	27.295	35.290	22.844	0.200
50.	27.300	35.291	22.843	0.251
60.	27.301	35.292	22.843	0.301
70.	27.275	35.288	22.848	0.351
80.	27.256	35.288	22.854	0.401
90.	26.845	35.520	23.161	0.451
100.	25.573	35.693	23.691	0.496
110.	23.249	35.842	24.502	0.534
120.	21.654	35.755	24.890	0.567
130.	19.670	35.549	25.268	0.597
140.	17.864	35.365	25.586	0.623
150.	16.179	35.213	25.871	0.646
160.	15.266	35.130	26.014	0.667
170.	14.387	35.070	26.160	0.687
180.	14.054	35.040	26.208	0.705
190.	13.354	34.991	26.314	0.723
200.	12.853	34.954	26.388	0.741
250.	11.801	34.866	26.523	0.820
300.	11.246	34.829	26.598	0.897
350.	10.433	34.782	26.707	0.969
400.	9.675	34.735	26.800	1.038
450.	8.864	34.686	26.894	1.101
500.	8.156	34.646	26.973	1.161
550.	7.721	34.623	27.019	1.218
600.	7.242	34.601	27.070	1.273
650.	6.791	34.581	27.118	1.325
700.	6.381	34.563	27.159	1.376
750.	6.097	34.558	27.191	1.425
800.	5.643	34.548	27.241	1.472
850.	5.329	34.546	27.277	1.517
900.	4.984	34.546	27.317	1.561
950.	4.777	34.550	27.344	1.602
1000.	4.511	34.553	27.376	1.642
1008.	4.500	34.554	27.378	1.649

CAST EP2-85-DI-044 DATE 11 JUN 85 TIME 1900 GMT
LAT 3 59.9S LONG 139 59.5W

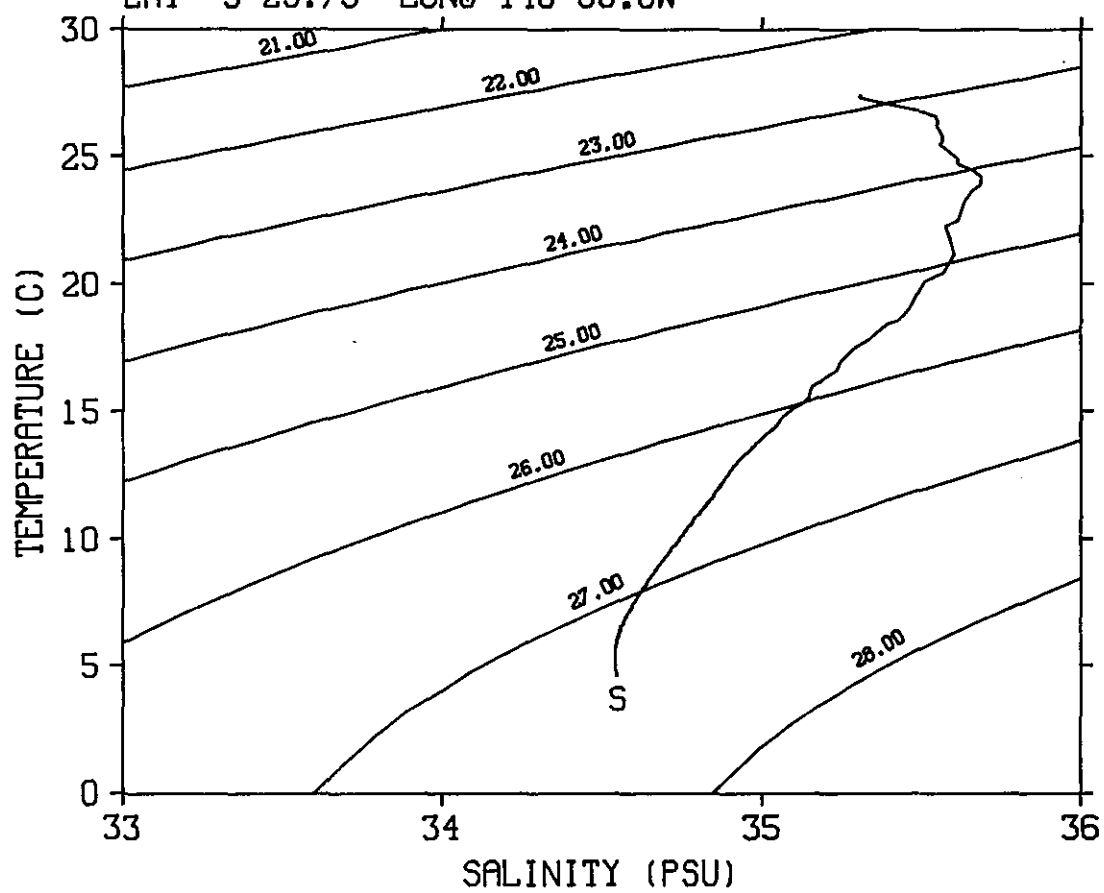


CAST EP2-85-DI-044 DATE 11 JUN 85 TIME 1900 GMT
 LAT 3 59.9S LONG 139 59.5W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 090 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 27.4 WET 23.5 DEPTH 4371 M

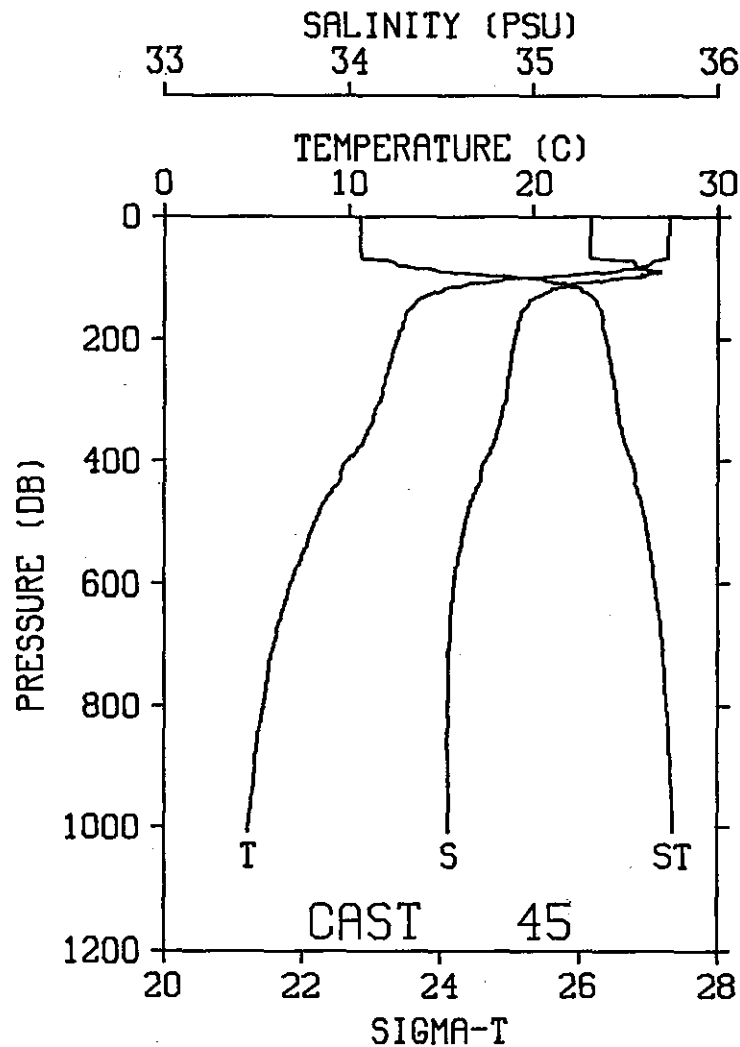


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.391	35.289	22.812	0.000
10.	27.386	35.291	22.815	0.050
20.	27.386	35.291	22.815	0.101
30.	27.383	35.290	22.816	0.151
40.	27.385	35.291	22.815	0.202
50.	27.383	35.291	22.816	0.252
60.	27.378	35.290	22.817	0.303
70.	27.377	35.290	22.817	0.353
80.	27.316	35.289	22.836	0.404
90.	27.009	35.335	22.969	0.454
100.	25.685	35.619	23.601	0.500
110.	21.779	35.644	24.770	0.536
120.	19.543	35.511	25.273	0.565
130.	16.841	35.250	25.745	0.590
140.	15.321	35.123	25.996	0.611
150.	14.529	35.059	26.121	0.631
160.	14.198	35.036	26.174	0.650
170.	13.736	34.994	26.238	0.669
180.	13.449	34.969	26.278	0.687
190.	13.097	34.938	26.326	0.704
200.	12.913	34.926	26.353	0.721
250.	12.340	34.886	26.435	0.805
300.	11.631	34.846	26.540	0.885
350.	10.945	34.803	26.633	0.962
400.	10.087	34.751	26.743	1.033
450.	9.144	34.692	26.854	1.100
500.	8.148	34.635	26.965	1.161
550.	7.653	34.610	27.019	1.218
600.	7.204	34.588	27.066	1.273
650.	6.721	34.571	27.119	1.326
700.	6.312	34.557	27.163	1.376
750.	5.974	34.550	27.200	1.425
800.	5.696	34.547	27.233	1.472
850.	5.344	34.541	27.271	1.518
900.	5.035	34.544	27.310	1.562
950.	4.884	34.543	27.326	1.604
1000.	4.640	34.549	27.359	1.645
1011.	4.619	34.549	27.361	1.654

CAST EP2-85-DI-045 DATE 11 JUN 85 TIME 2241 GMT
LAT 3 29.7S LONG 140 00.0W

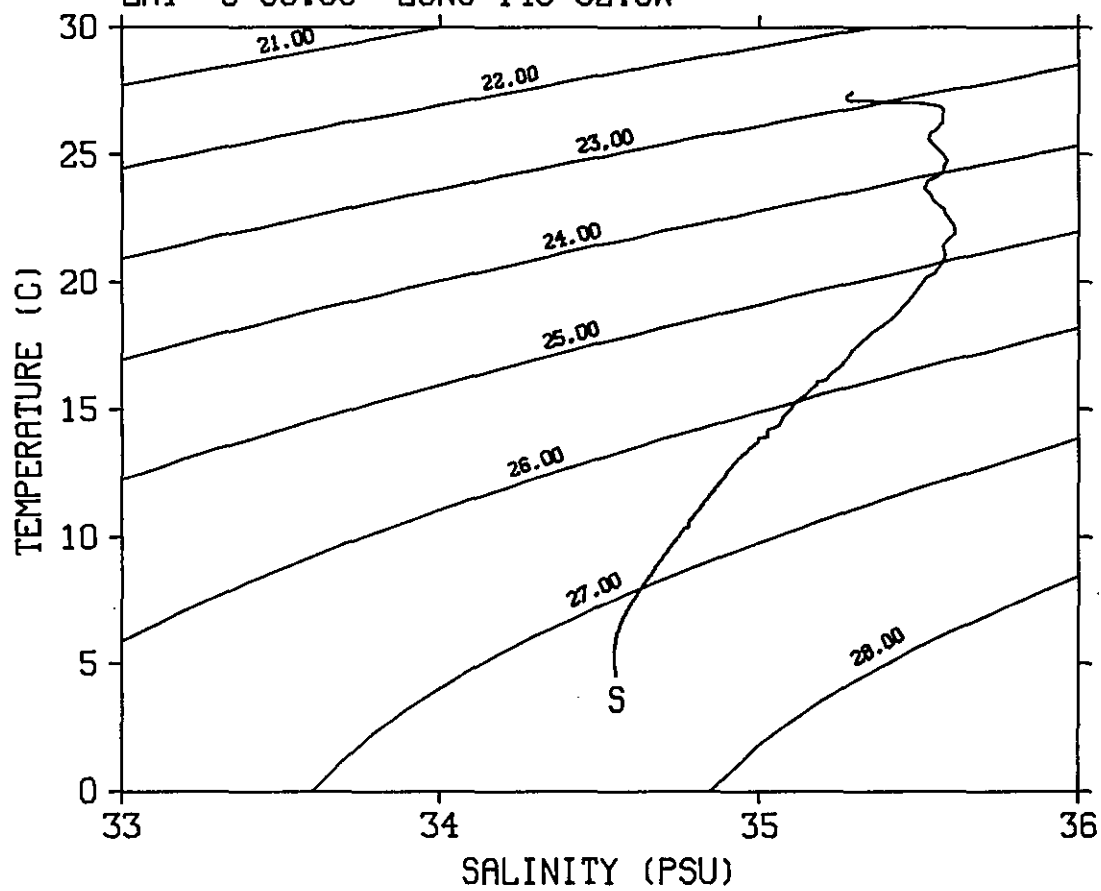


CAST EP2-85-DI-045 DATE 11 JUN 85 TIME 2241 GMT
 LAT 3 29.7S LONG 140 00.0W WEATHER 1 SEA STATE 2
 BAROMETER 10 WIND DIR 085 T SPD 12 KT VISIBILITY 8
 CLOUD 9 AMOUNT 1 DRY 28.5 WET 23.8 DEPTH 4224 M

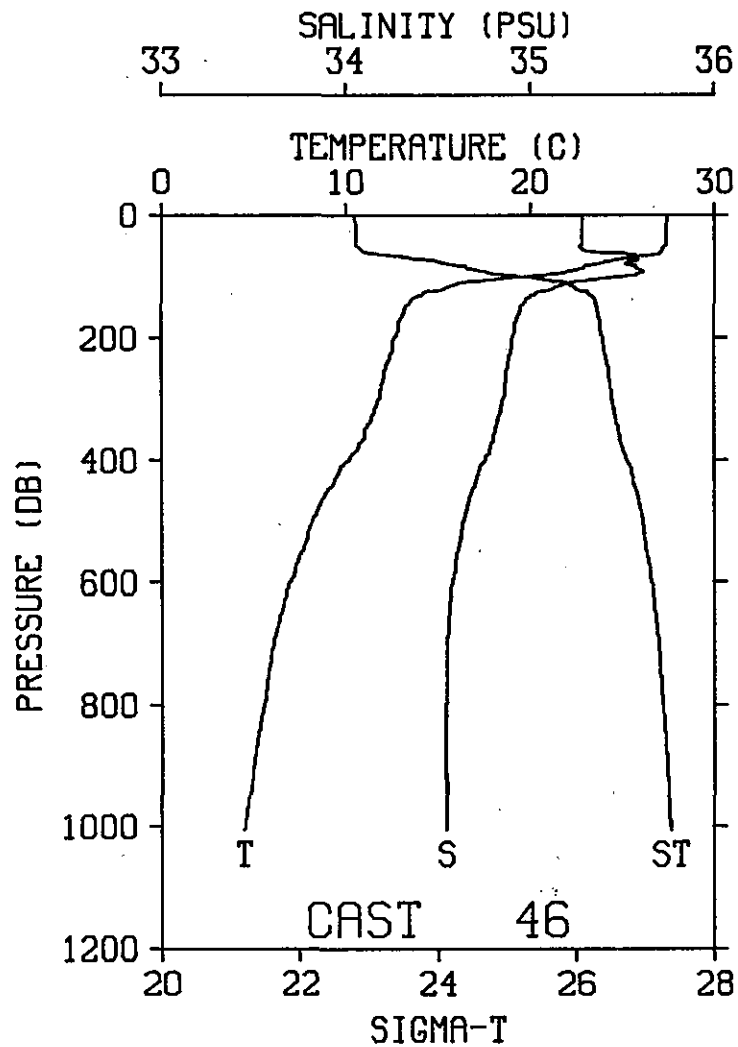


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.386	35.309	22.828	0.000
10.	27.355	35.307	22.837	0.050
20.	27.337	35.307	22.843	0.100
30.	27.330	35.306	22.845	0.150
40.	27.324	35.307	22.847	0.201
50.	27.320	35.307	22.848	0.251
60.	27.313	35.306	22.850	0.301
70.	26.864	35.475	23.121	0.351
80.	26.177	35.553	23.397	0.397
90.	24.173	35.691	24.115	0.439
100.	19.544	35.486	25.253	0.472
110.	16.472	35.218	25.807	0.496
120.	15.068	35.091	26.028	0.517
130.	14.145	35.018	26.171	0.537
140.	13.639	34.977	26.245	0.555
150.	13.326	34.948	26.287	0.573
160.	13.072	34.927	26.323	0.590
170.	13.010	34.923	26.332	0.608
180.	12.956	34.919	26.340	0.625
190.	12.754	34.906	26.370	0.642
200.	12.652	34.900	26.385	0.659
250.	12.149	34.871	26.461	0.741
300.	11.739	34.851	26.523	0.821
350.	11.072	34.807	26.612	0.898
400.	9.903	34.738	26.764	0.970
450.	9.108	34.688	26.857	1.035
500.	8.092	34.635	26.974	1.096
550.	7.511	34.599	27.031	1.153
600.	6.865	34.571	27.100	1.207
650.	6.350	34.556	27.157	1.258
700.	5.973	34.546	27.198	1.306
750.	5.655	34.541	27.234	1.353
800.	5.425	34.539	27.260	1.399
850.	5.123	34.540	27.296	1.442
900.	4.955	34.540	27.316	1.485
950.	4.743	34.543	27.342	1.527
1000.	4.593	34.545	27.360	1.568
1008.	4.584	34.546	27.362	1.574

CAST EP2-85-DI-046 DATE 12 JUN 85 TIME 0201 GMT
LAT 3 00.0S LONG 140 02.0W

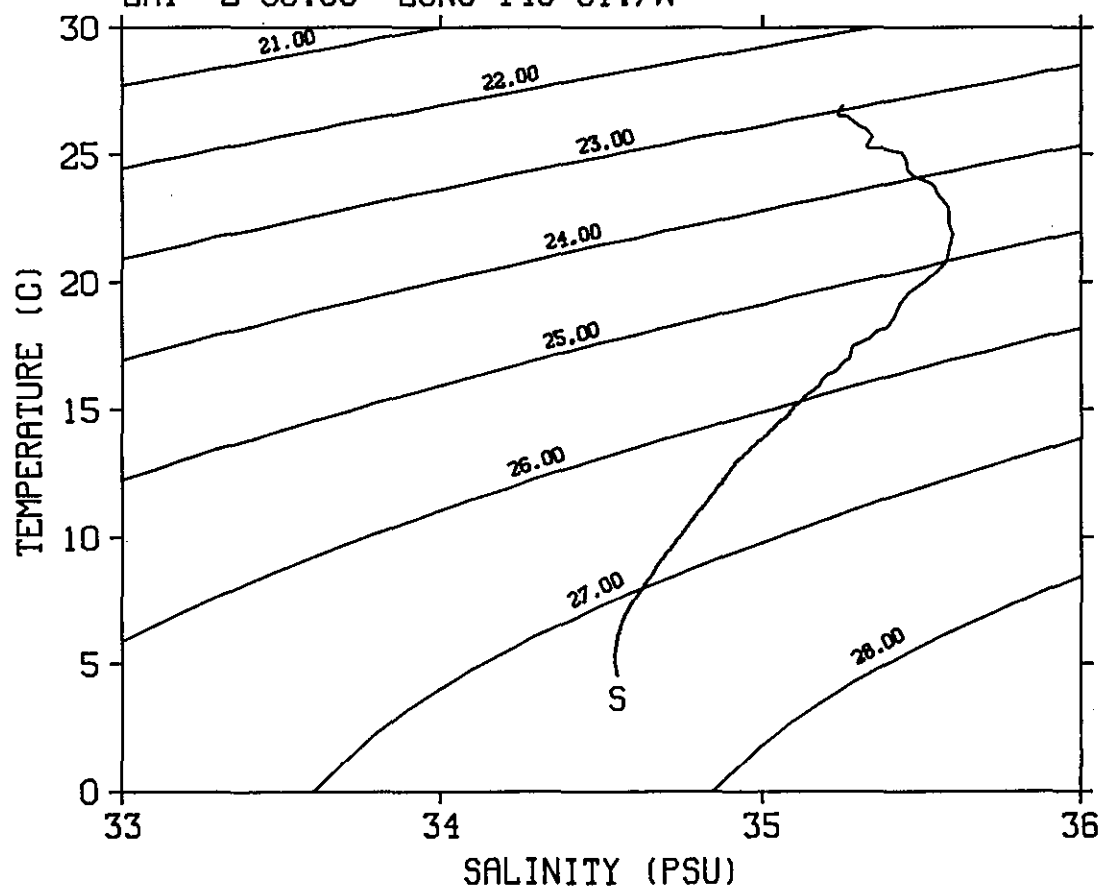


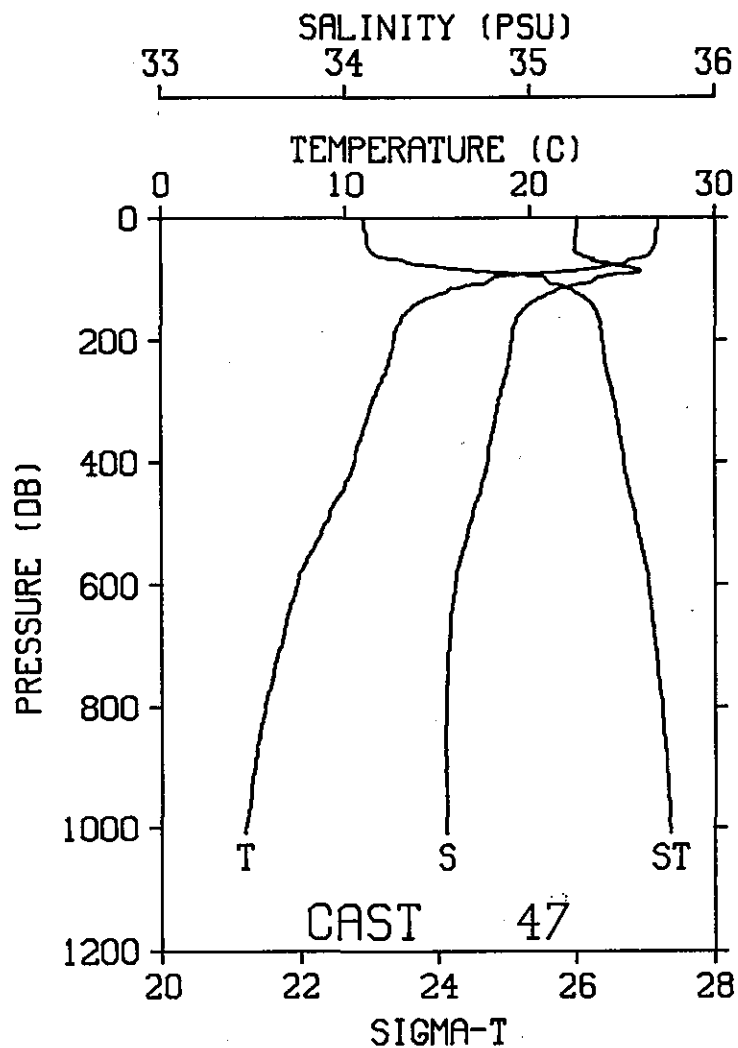
CAST EP2-85-DI-046 DATE 12 JUN 85 TIME 0201 GMT
 LAT 3 00.0S LONG 140 02.0W WEATHER 1 SEA STATE 3
 BAROMETER 08 WIND DIR 045 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 28.1 WET 24.4 DEPTH 4279 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.461	35.284	22.786	0.000
10.	27.398	35.284	22.806	0.051
20.	27.376	35.283	22.812	0.101
30.	27.365	35.282	22.815	0.151
40.	27.358	35.282	22.818	0.202
50.	27.312	35.274	22.826	0.252
60.	27.107	35.329	22.934	0.302
70.	25.317	35.549	23.661	0.348
80.	23.670	35.512	24.128	0.388
90.	22.338	35.601	24.581	0.424
100.	20.157	35.519	25.117	0.455
110.	16.410	35.226	25.828	0.480
120.	15.351	35.123	25.990	0.501
130.	14.097	35.023	26.185	0.521
140.	13.502	34.973	26.271	0.539
150.	13.253	34.951	26.305	0.556
160.	13.154	34.943	26.318	0.574
170.	12.964	34.927	26.344	0.591
180.	12.868	34.919	26.357	0.608
190.	12.854	34.918	26.359	0.625
200.	12.668	34.906	26.387	0.642
250.	12.157	34.877	26.464	0.725
300.	11.762	34.859	26.525	0.805
350.	11.051	34.810	26.619	0.882
400.	10.177	34.756	26.731	0.954
450.	8.987	34.684	26.874	1.020
500.	8.182	34.639	26.963	1.080
550.	7.570	34.608	27.029	1.138
600.	6.985	34.580	27.090	1.192
650.	6.493	34.563	27.144	1.243
700.	6.064	34.551	27.190	1.292
750.	5.804	34.547	27.219	1.340
800.	5.547	34.544	27.249	1.386
850.	5.219	34.542	27.287	1.430
900.	4.972	34.544	27.317	1.473
950.	4.771	34.546	27.342	1.515
1000.	4.533	34.549	27.371	1.556
1007.	4.497	34.550	27.375	1.561

CAST EP2-85-DI-047 DATE 12 JUN 85 TIME 0522 GMT
LAT 2 30.6S LONG 140 01.7W

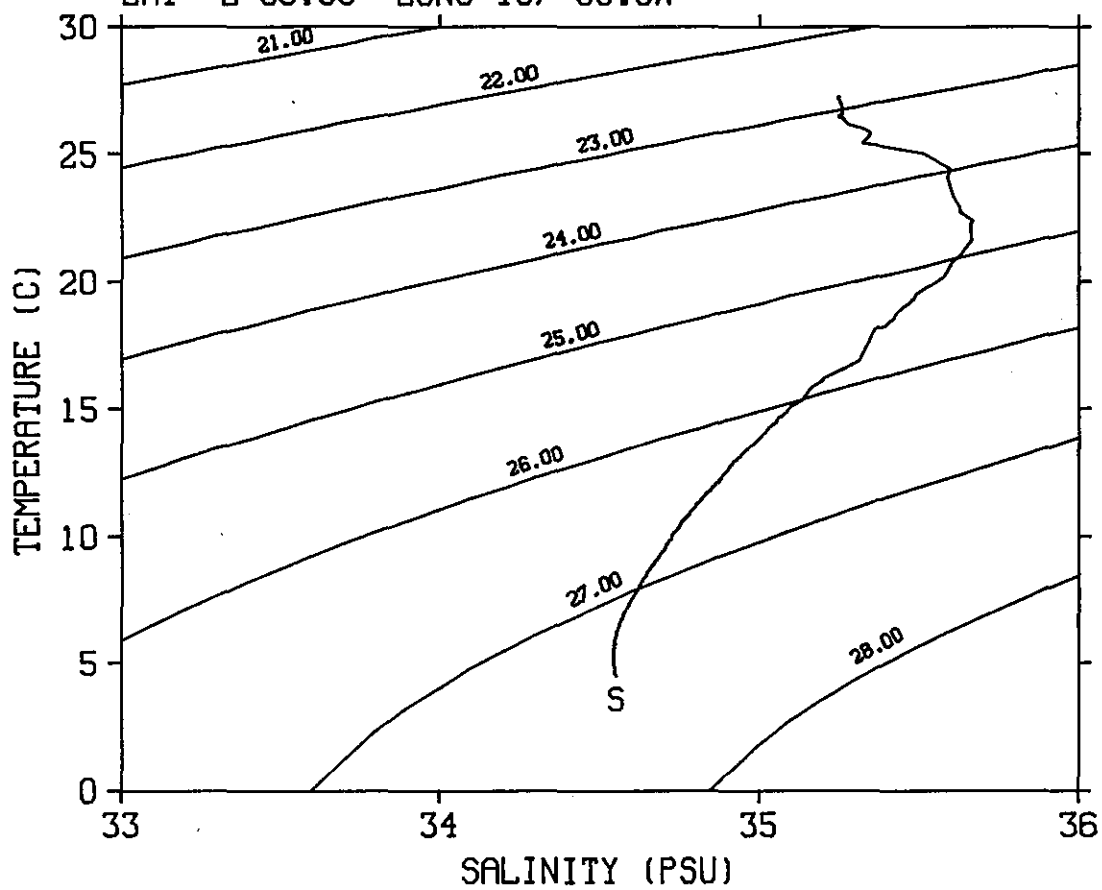


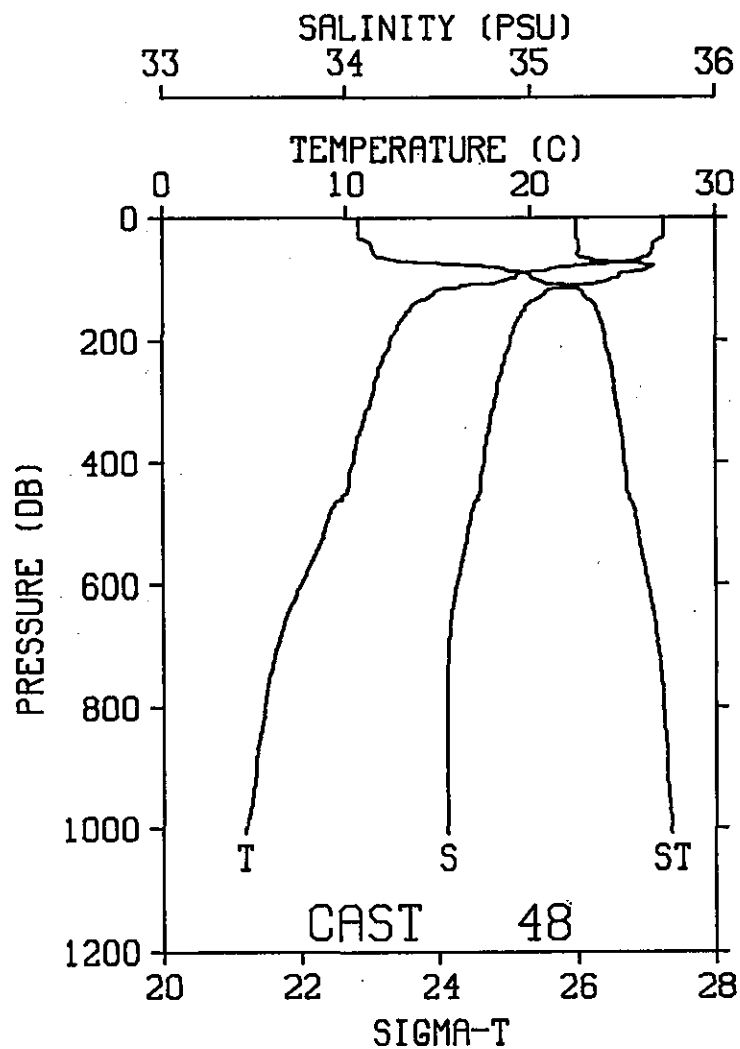


CAST EP2-85-DI-047 DATE 12 JUN 85 TIME 0522 GMT
 LAT 2 30.6S LONG 140 01.7W WEATHER 1 SEA STATE 4
 BAROMETER 11 WIND DIR 120 T SPD 06 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 25.8 WET 23.2 DEPTH 4225 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T (DB)	DELTA-D (DYN M)
0.	26.921	35.255	22.937	0.000
10.	26.919	35.254	22.937	0.049
20.	26.875	35.251	22.949	0.098
30.	26.799	35.248	22.970	0.147
40.	26.770	35.247	22.979	0.196
50.	26.666	35.243	23.009	0.245
60.	26.448	35.278	23.104	0.293
70.	25.270	35.340	23.518	0.340
80.	24.042	35.507	24.014	0.382
90.	20.791	35.580	24.994	0.417
100.	17.951	35.358	25.560	0.443
110.	16.735	35.250	25.770	0.467
120.	15.511	35.135	25.963	0.488
130.	14.568	35.060	26.113	0.508
140.	13.890	35.004	26.214	0.527
150.	13.453	34.966	26.275	0.545
160.	13.071	34.938	26.332	0.562
170.	12.971	34.924	26.341	0.579
180.	12.839	34.914	26.359	0.596
190.	12.711	34.908	26.380	0.613
200.	12.670	34.905	26.386	0.630
250.	12.234	34.879	26.451	0.713
300.	11.474	34.833	26.559	0.792
350.	10.929	34.797	26.631	0.868
400.	10.459	34.771	26.694	0.940
450.	9.783	34.730	26.778	1.009
500.	8.868	34.674	26.884	1.074
550.	8.085	34.632	26.972	1.135
600.	7.356	34.595	27.050	1.191
650.	6.830	34.571	27.105	1.245
700.	6.486	34.563	27.144	1.296
750.	6.038	34.550	27.193	1.345
800.	5.608	34.544	27.242	1.392
850.	5.292	34.541	27.277	1.437
900.	5.040	34.542	27.308	1.481
950.	4.806	34.545	27.337	1.522
1000.	4.562	34.549	27.367	1.563
1009.	4.532	34.550	27.371	1.571

CAST EP2-85-DI-048 DATE 12 JUN 85 TIME 1408 GMT
LAT 2 00.6S LONG 137 55.3W

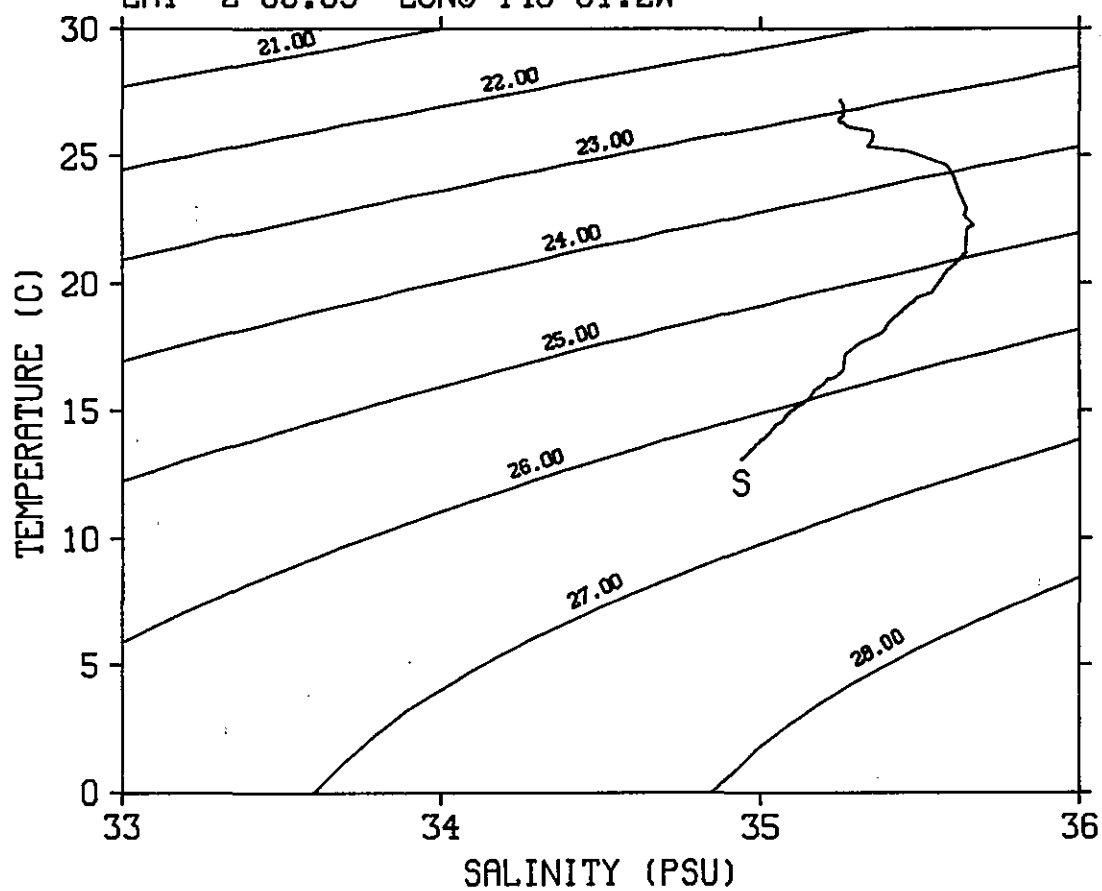




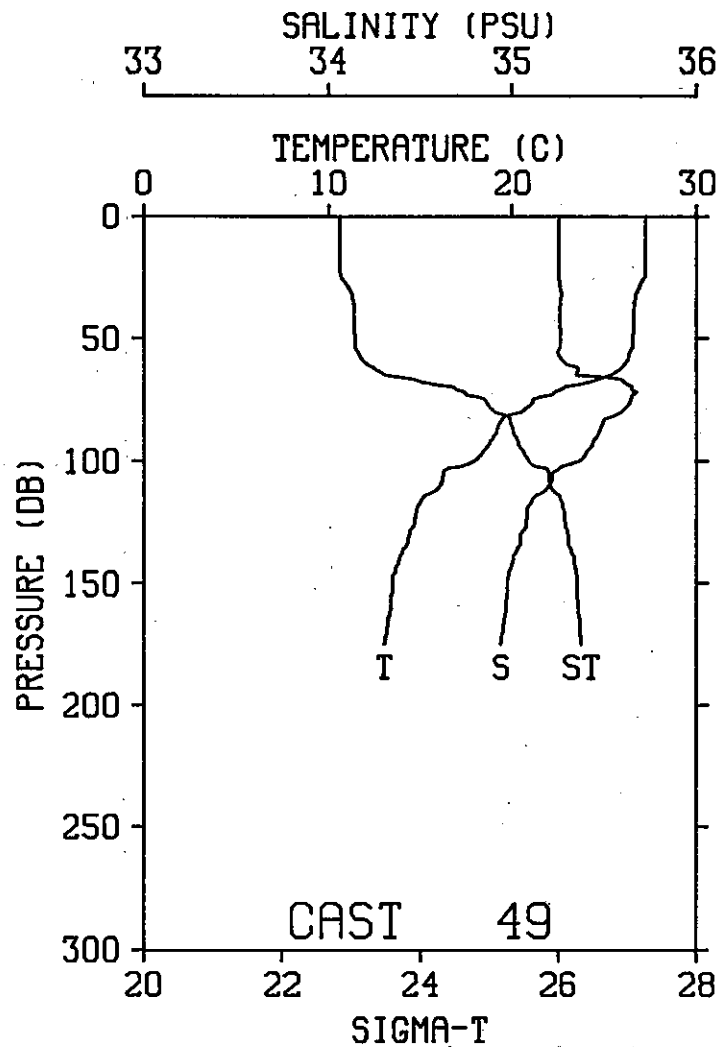
CAST EP2-85-DI-048 DATE 12 JUN 85 TIME 1408 GMT
 LAT 2 00.6S LONG 137 55.3W WEATHER 2 SEA STATE 3
 BAROMETER 09 WIND DIR 100 T SPD 14 KT VISIBILITY 8
 CLOUD 8 AMOUNT 4 DRY 25.8 WET 23.4 DEPTH 4133 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.214	35.248	22.838	0.000
10.	27.208	35.246	22.839	0.050
20.	27.208	35.245	22.838	0.100
30.	27.204	35.245	22.839	0.150
40.	26.677	35.258	23.017	0.200
50.	26.601	35.258	23.041	0.248
60.	26.468	35.244	23.072	0.297
70.	25.604	35.340	23.415	0.343
80.	22.190	35.659	24.666	0.382
90.	19.492	35.490	25.270	0.412
100.	18.938	35.449	25.381	0.438
110.	16.502	35.256	25.829	0.463
120.	14.820	35.081	26.075	0.484
130.	14.410	35.047	26.137	0.503
140.	13.663	34.988	26.249	0.522
150.	13.449	34.966	26.276	0.540
160.	13.164	34.943	26.317	0.557
170.	12.892	34.918	26.352	0.574
180.	12.739	34.910	26.376	0.591
190.	12.556	34.898	26.403	0.608
200.	12.415	34.889	26.424	0.625
250.	11.782	34.845	26.511	0.705
300.	11.299	34.809	26.572	0.782
350.	10.771	34.773	26.640	0.857
400.	10.389	34.750	26.690	0.929
450.	9.987	34.722	26.738	0.999
500.	8.920	34.667	26.871	1.065
550.	8.294	34.634	26.942	1.127
600.	7.484	34.596	27.033	1.184
650.	6.742	34.566	27.113	1.238
700.	6.230	34.552	27.169	1.289
750.	5.784	34.544	27.220	1.337
800.	5.523	34.542	27.251	1.383
850.	5.239	34.541	27.283	1.427
900.	5.042	34.540	27.306	1.471
950.	4.832	34.543	27.332	1.513
1000.	4.532	34.547	27.369	1.554
1009.	4.473	34.548	27.376	1.561

CAST EP2-85-DI-049 DATE 12 JUN 85 TIME 1519 GMT
LAT 2 00.0S LONG 140 01.2W

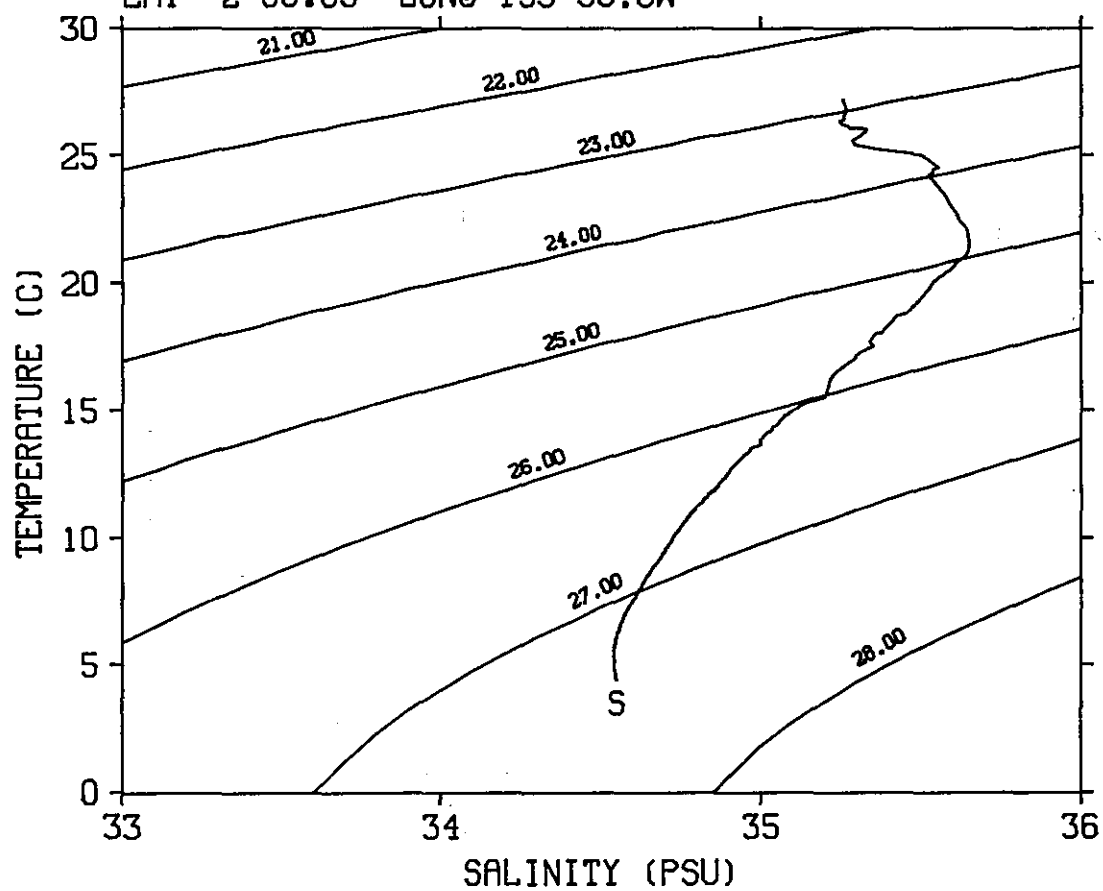


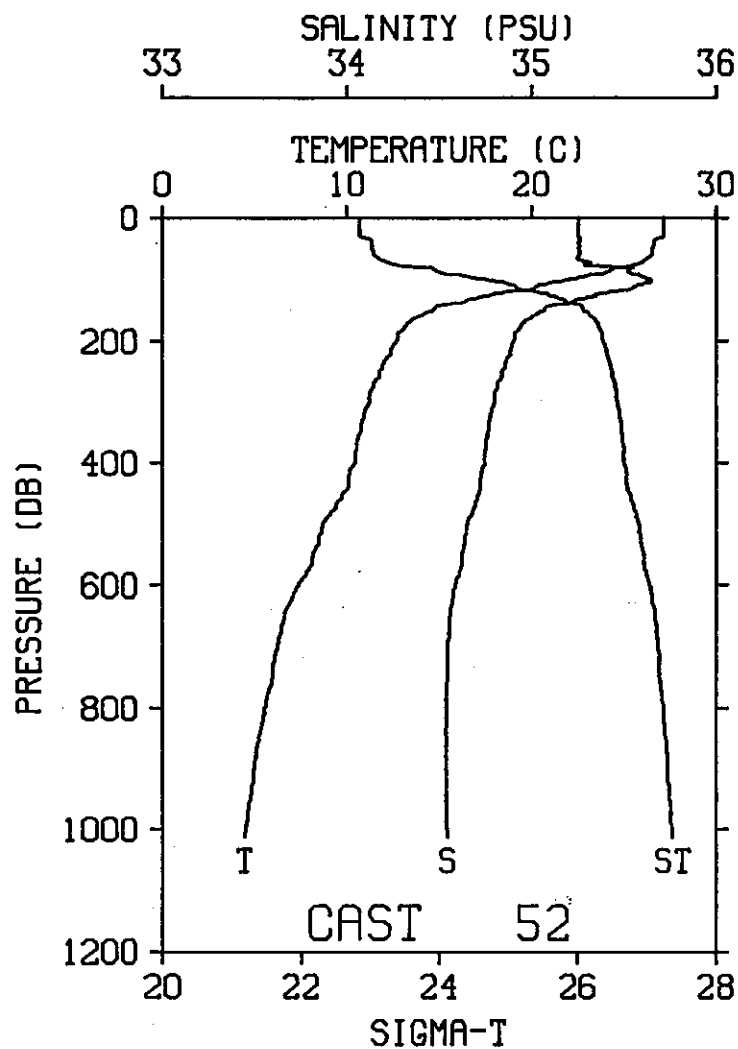
CAST EP2-85-DI-049 DATE 12 JUN 85 TIME 1519 GMT
 LAT 2 00.0S LONG 140 01.2W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 110 T SPD 16 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 26.0 WET 23.0 DEPTH 4133 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.191	35.251	22.847	0.000
10.	27.195	35.250	22.845	0.050
20.	27.198	35.250	22.845	0.100
30.	26.826	35.260	22.971	0.150
40.	26.607	35.262	23.042	0.198
50.	26.518	35.259	23.068	0.247
60.	26.148	35.280	23.200	0.294
70.	22.897	35.649	24.458	0.337
80.	20.503	35.588	25.078	0.368
90.	18.982	35.457	25.376	0.395
100.	17.967	35.369	25.564	0.421
110.	16.075	35.198	25.883	0.443
120.	14.804	35.082	26.079	0.463
130.	14.385	35.043	26.140	0.482
140.	13.855	35.004	26.221	0.501
150.	13.489	34.972	26.273	0.519
160.	13.404	34.966	26.285	0.537
170.	13.159	34.946	26.320	0.554
175.	13.062	34.938	26.333	0.563

CAST EP2-85-DI-052 DATE 13 JUN 85 TIME 0808 GMT
LAT 2 00.8S LONG 139 58.0W

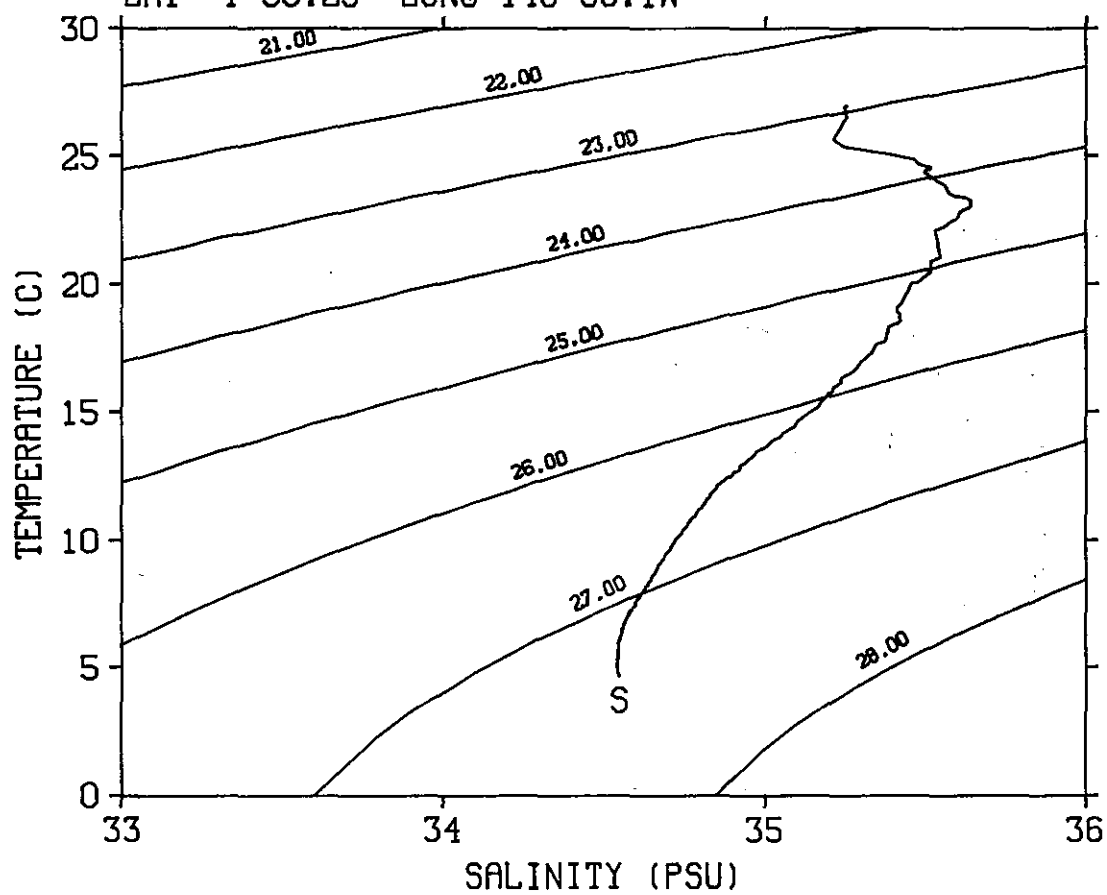


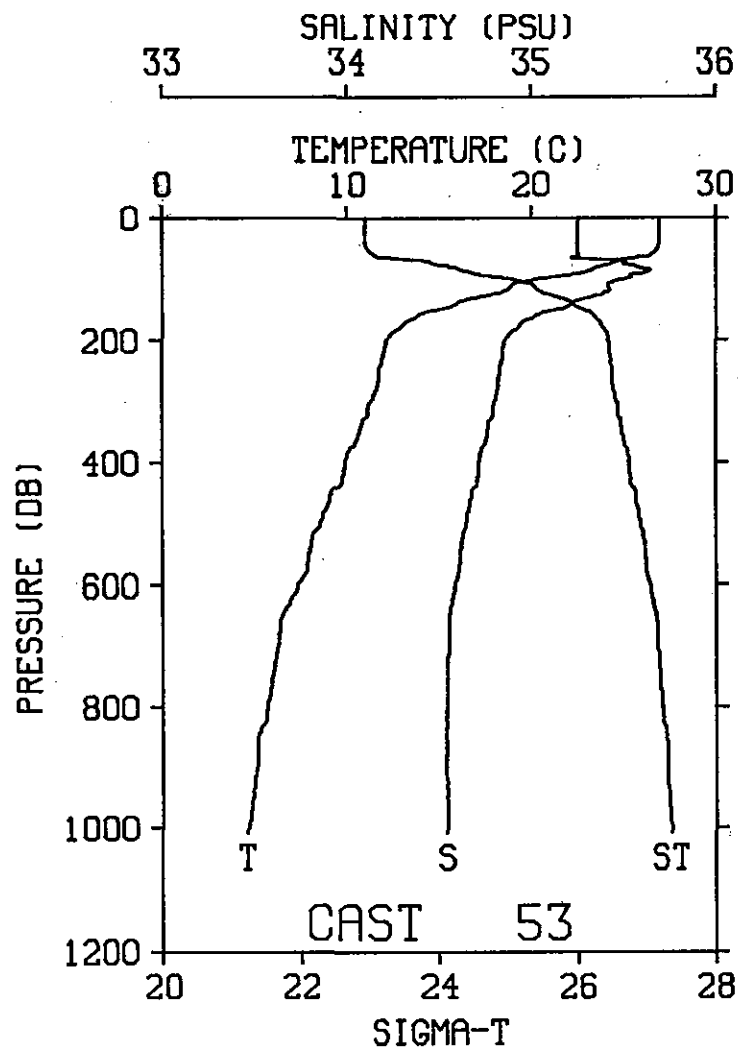


CAST EP2-85-DI-052 DATE 13 JUN 85 TIME 0808 GMT
 LAT 2 00.8S LONG 139 58.0W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 070 T SPD 18 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 26.3 WET 23.2 DEPTH 4207 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.201	35.254	22.847	0.000
10.	27.206	35.253	22.845	0.050
20.	27.209	35.253	22.844	0.100
30.	27.197	35.253	22.848	0.150
40.	26.628	35.258	23.033	0.199
50.	26.589	35.258	23.045	0.248
60.	26.513	35.259	23.070	0.296
70.	26.076	35.277	23.221	0.343
80.	25.036	35.502	23.711	0.389
90.	23.952	35.543	24.068	0.428
100.	22.084	35.642	24.684	0.464
110.	20.373	35.573	25.101	0.495
120.	18.663	35.423	25.431	0.523
130.	17.010	35.296	25.740	0.547
140.	15.487	35.197	26.016	0.569
150.	14.682	35.069	26.095	0.588
160.	13.950	35.007	26.204	0.607
170.	13.382	34.961	26.286	0.625
180.	13.090	34.934	26.325	0.643
190.	12.760	34.908	26.371	0.660
200.	12.703	34.905	26.379	0.677
250.	11.780	34.843	26.510	0.758
300.	11.207	34.800	26.582	0.835
350.	10.736	34.768	26.643	0.910
400.	10.428	34.748	26.682	0.982
450.	9.776	34.714	26.767	1.052
500.	8.710	34.653	26.893	1.117
550.	8.144	34.625	26.958	1.178
600.	7.378	34.589	27.042	1.236
650.	6.621	34.559	27.124	1.288
700.	6.236	34.549	27.166	1.339
750.	5.970	34.545	27.197	1.387
800.	5.566	34.539	27.243	1.434
850.	5.225	34.537	27.282	1.479
900.	4.965	34.536	27.312	1.522
950.	4.748	34.540	27.339	1.564
1000.	4.503	34.543	27.369	1.605
1013.	4.422	34.545	27.380	1.615

CAST EP2-85-DI-053 DATE 13 JUN 85 TIME 1341 GMT
LAT 1 00.2S LONG 140 00.1W

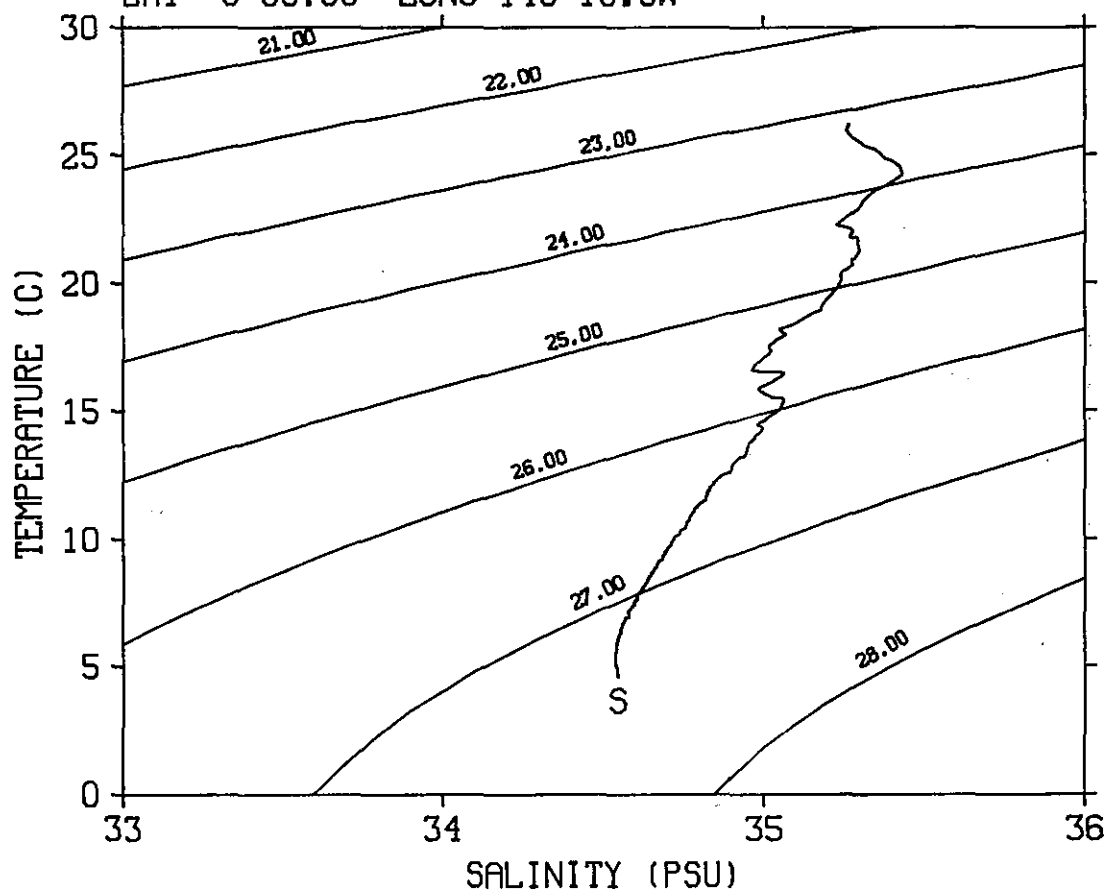


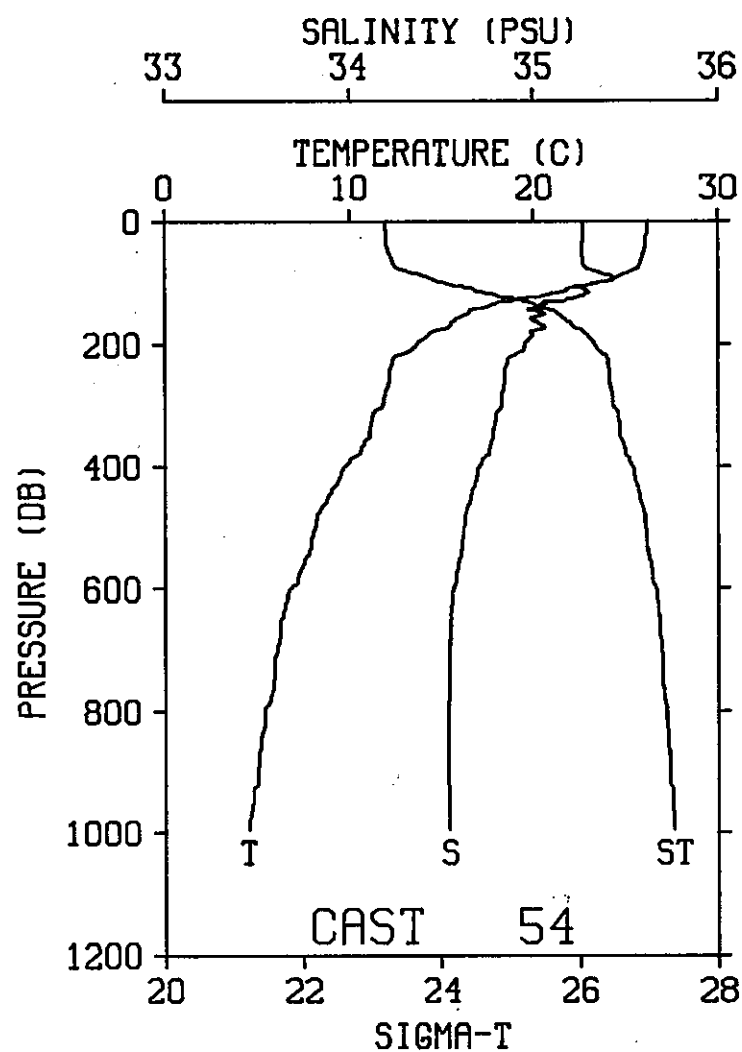


CAST EP2-85-DI-053 DATE 13 JUN 85 TIME 1341 GMT
 LAT 1 00.2S LONG 140 00.1W WEATHER 1 SEA STATE 3
 BAROMETER 08 WIND DIR 070 T SPD 18 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 25.8 WET 23.0 DEPTH 4189 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.942	35.252	22.928	0.000
10.	26.938	35.249	22.927	0.049
20.	26.932	35.249	22.929	0.099
30.	26.932	35.249	22.930	0.148
40.	26.926	35.249	22.931	0.197
50.	26.817	35.247	22.964	0.247
60.	26.494	35.256	23.073	0.295
70.	24.691	35.481	23.800	0.341
80.	23.738	35.569	24.151	0.381
90.	22.782	35.609	24.460	0.417
100.	20.467	35.518	25.034	0.449
110.	18.936	35.414	25.355	0.477
120.	18.431	35.419	25.487	0.503
130.	17.007	35.308	25.750	0.527
140.	15.955	35.212	25.922	0.549
150.	15.024	35.144	26.079	0.570
160.	13.847	35.025	26.240	0.588
170.	13.193	34.957	26.321	0.606
180.	12.891	34.927	26.359	0.623
190.	12.404	34.881	26.419	0.640
200.	12.171	34.859	26.447	0.656
250.	11.776	34.828	26.499	0.737
300.	11.290	34.802	26.569	0.815
350.	10.660	34.762	26.652	0.889
400.	9.902	34.717	26.748	0.960
450.	9.103	34.674	26.847	1.027
500.	8.532	34.647	26.916	1.090
550.	7.926	34.615	26.983	1.149
600.	7.315	34.586	27.049	1.206
650.	6.472	34.557	27.141	1.259
700.	6.245	34.552	27.167	1.308
750.	5.932	34.543	27.201	1.357
800.	5.670	34.542	27.232	1.404
850.	5.164	34.541	27.292	1.449
900.	5.083	34.539	27.300	1.492
950.	4.865	34.540	27.327	1.535
1000.	4.634	34.546	27.357	1.576
1009.	4.603	34.546	27.361	1.584

CAST EP2-85-DI-054 DATE 13 JUN 85 TIME 2212 GMT
LAT 0 05.3S LONG 140 16.3W

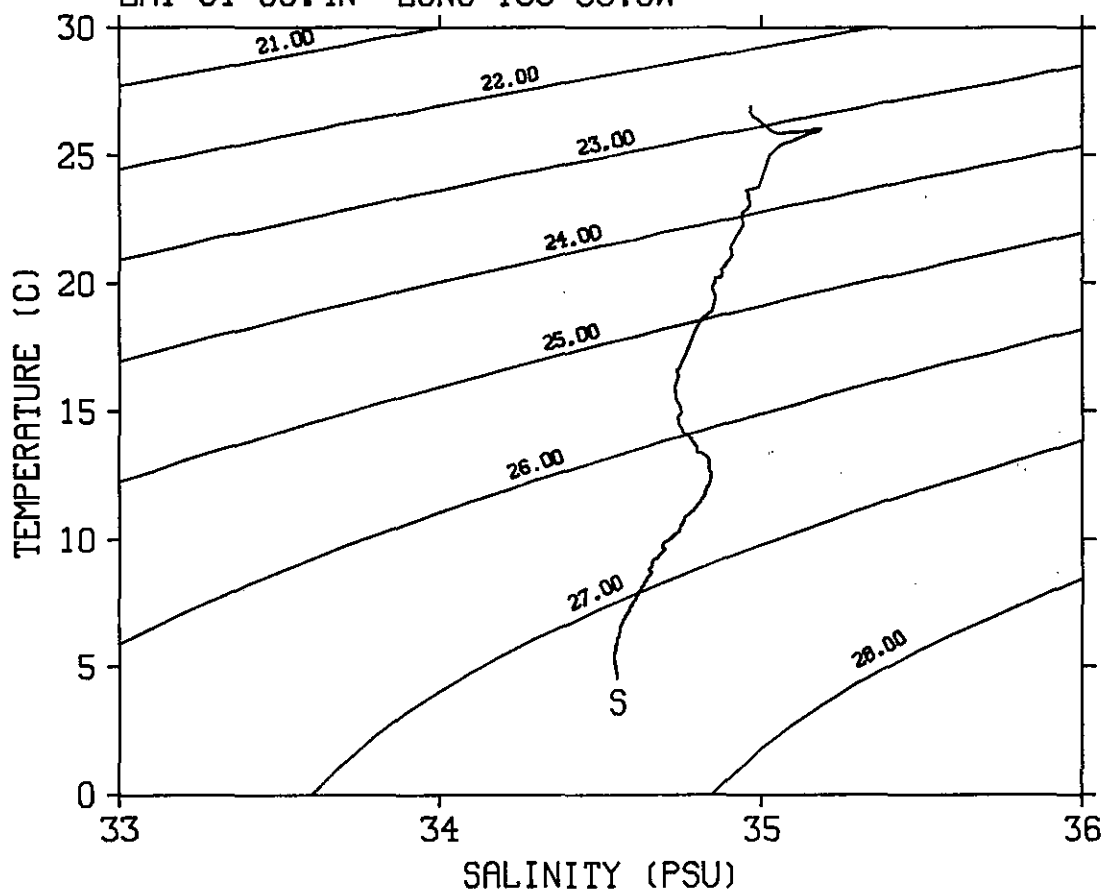


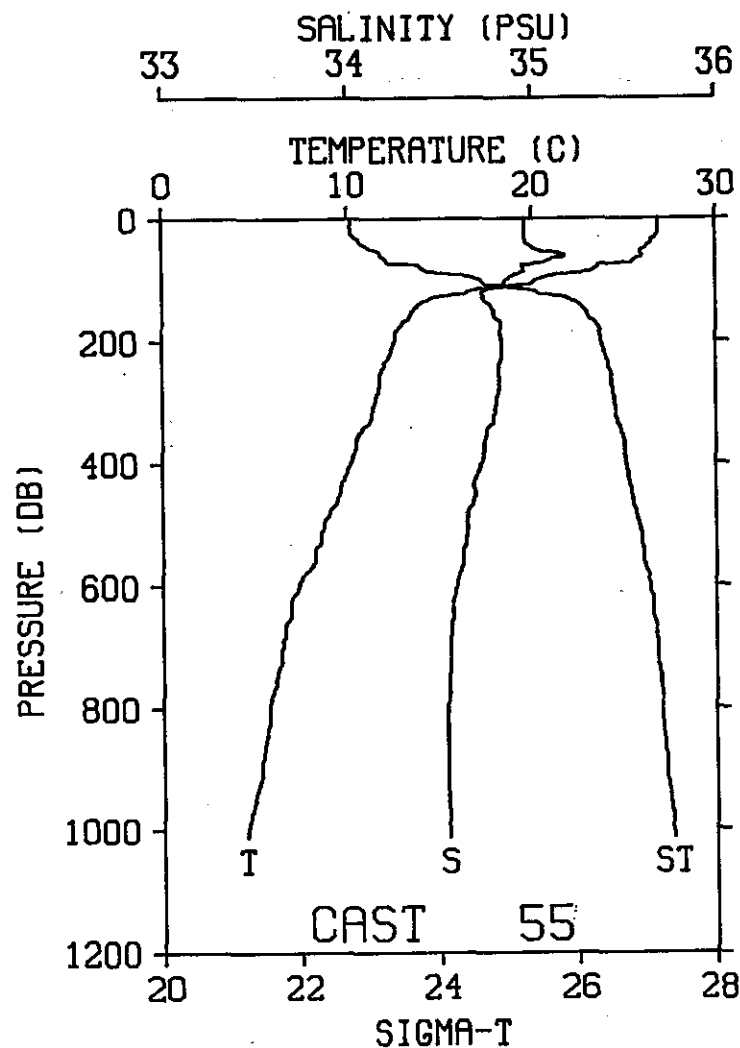


CAST EP2-85-DI-054 DATE 13 JUN 85 TIME 2212 GMT
 LAT 0 05.3S LONG 140 16.3W WEATHER 1 SEA STATE 4
 BAROMETER 09 WIND DIR 080 T SPD 22 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 27.8 WET 23.8 DEPTH 4120 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.181	35.267	23.180	0.000
10.	26.135	35.267	23.195	0.047
20.	26.101	35.266	23.204	0.093
30.	26.078	35.266	23.211	0.140
40.	26.036	35.260	23.220	0.187
50.	25.943	35.260	23.249	0.233
60.	25.848	35.265	23.282	0.280
70.	25.747	35.270	23.318	0.325
80.	25.374	35.318	23.469	0.371
90.	24.569	35.425	23.795	0.414
100.	23.614	35.348	24.021	0.454
110.	21.852	35.270	24.466	0.491
120.	20.711	35.278	24.785	0.525
130.	18.812	35.158	25.191	0.555
140.	17.485	35.012	25.408	0.582
150.	16.500	35.053	25.674	0.606
160.	15.770	34.988	25.791	0.629
170.	15.526	35.051	25.895	0.651
180.	14.578	34.995	26.061	0.672
190.	14.147	34.986	26.146	0.691
200.	13.687	34.952	26.216	0.710
250.	12.168	34.841	26.434	0.795
300.	11.828	34.826	26.488	0.877
350.	11.095	34.781	26.588	0.953
400.	9.722	34.708	26.771	1.026
450.	8.836	34.657	26.876	1.091
500.	8.145	34.623	26.957	1.151
550.	7.614	34.598	27.016	1.209
600.	6.838	34.567	27.100	1.263
650.	6.321	34.555	27.160	1.314
700.	6.105	34.545	27.180	1.363
750.	5.906	34.541	27.202	1.411
800.	5.383	34.537	27.263	1.458
850.	5.210	34.536	27.283	1.502
900.	5.042	34.538	27.304	1.546
950.	4.774	34.541	27.338	1.588
995.	4.551	34.545	27.365	1.624

CAST EP2-85-DI-055 DATE 14 JUN 85 TIME 0749 GMT
LAT 01 00.4N LONG 139 58.9W

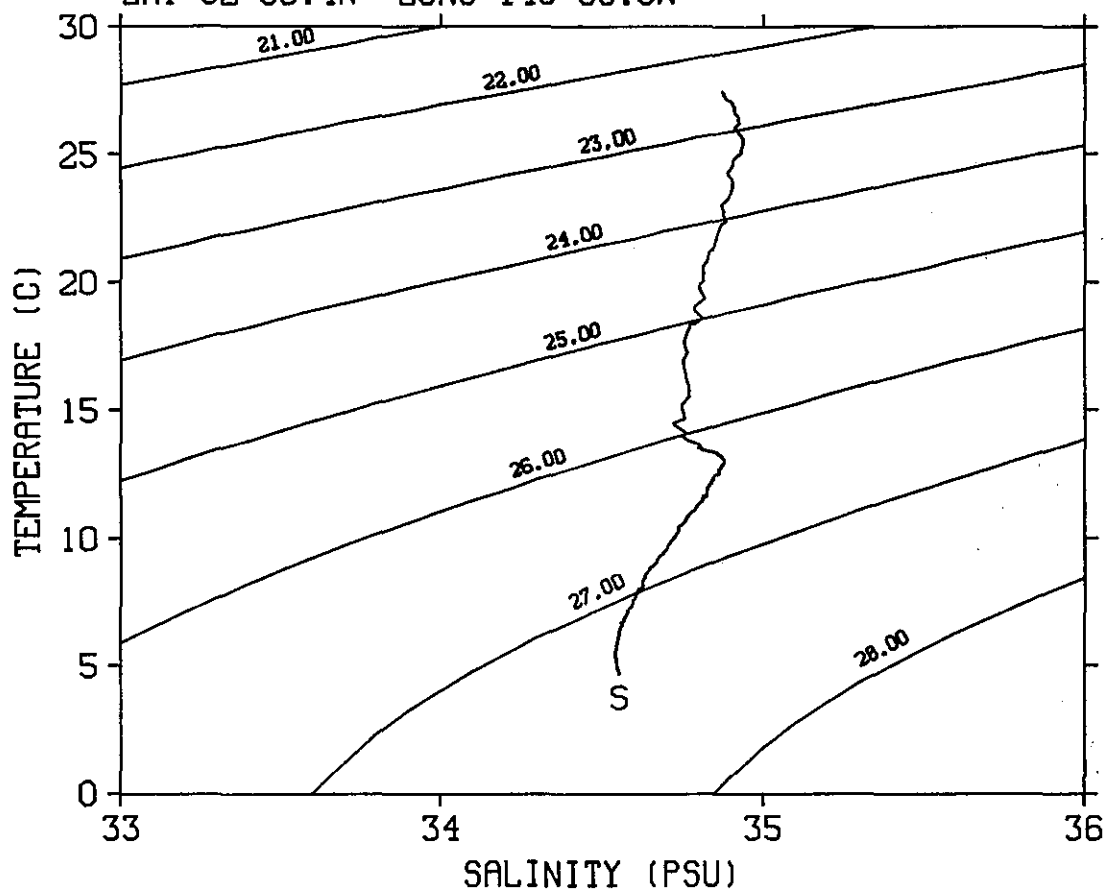


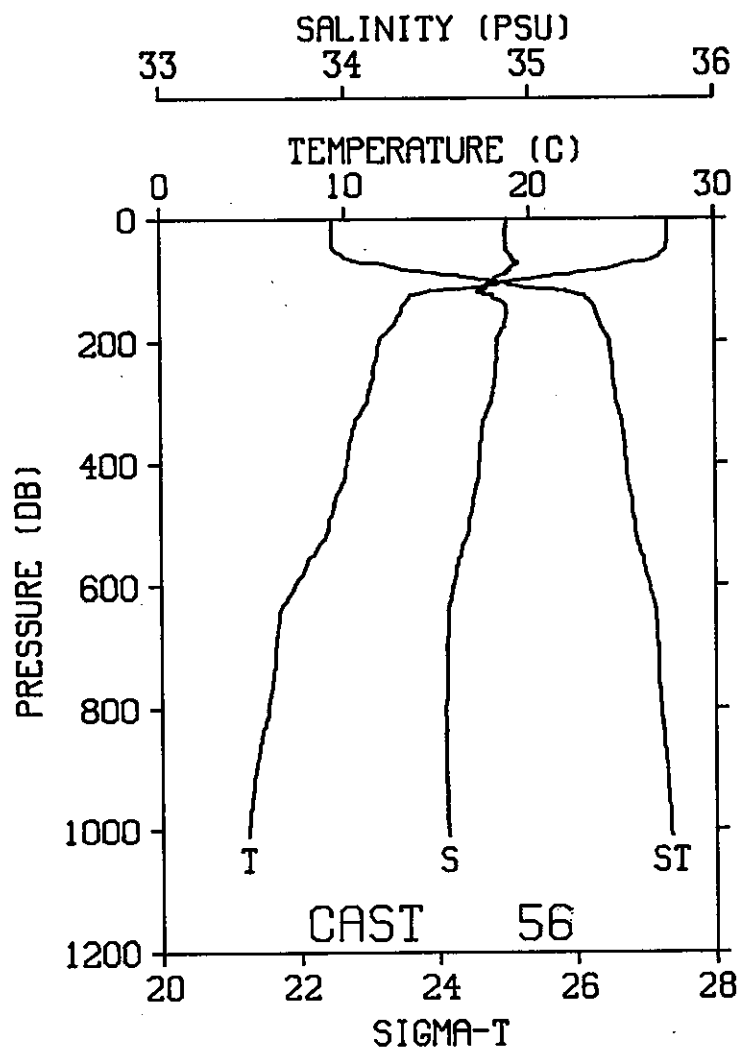


CAST EP2-85-DI-055 DATE 14 JUN 85 TIME 0749 GMT
 LAT 01 00.4N LONG 139 58.9W WEATHER 1 SEA STATE 4
 BAROMETER 09 WIND DIR 090 T SPD 22 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 26.4 WET 23.6 DEPTH 4224 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.906	34.963	22.722	0.000
10.	26.904	34.963	22.722	0.051
20.	26.887	34.963	22.728	0.102
30.	26.723	34.965	22.782	0.154
40.	26.513	34.976	22.856	0.204
50.	26.039	35.024	23.041	0.253
60.	26.010	35.176	23.165	0.301
70.	25.502	35.081	23.250	0.347
80.	23.571	34.957	23.737	0.391
90.	22.283	34.942	24.096	0.432
100.	20.384	34.874	24.565	0.468
110.	18.873	34.842	24.934	0.501
120.	16.559	34.730	25.412	0.529
130.	14.593	34.738	25.859	0.553
140.	13.946	34.772	26.023	0.574
150.	13.619	34.794	26.108	0.593
160.	13.398	34.797	26.156	0.612
170.	13.020	34.834	26.261	0.631
180.	12.806	34.834	26.304	0.649
190.	12.653	34.836	26.336	0.666
200.	12.592	34.841	26.351	0.683
250.	11.851	34.824	26.482	0.766
300.	11.525	34.811	26.533	0.845
350.	10.708	34.757	26.639	0.922
400.	10.195	34.729	26.708	0.994
450.	9.590	34.697	26.785	1.063
500.	8.718	34.651	26.890	1.127
550.	8.232	34.628	26.947	1.188
600.	7.377	34.590	27.043	1.246
650.	6.900	34.571	27.095	1.299
700.	6.445	34.557	27.145	1.351
750.	6.118	34.551	27.183	1.401
800.	5.807	34.544	27.217	1.449
850.	5.611	34.543	27.240	1.495
900.	5.345	34.540	27.270	1.541
950.	4.941	34.543	27.319	1.585
1000.	4.563	34.548	27.367	1.626
1012.	4.504	34.549	27.374	1.635

CAST EP2-85-DI-056 DATE 14 JUN 85 TIME 1358 GMT
LAT 02 00.4N LONG 140 00.0W

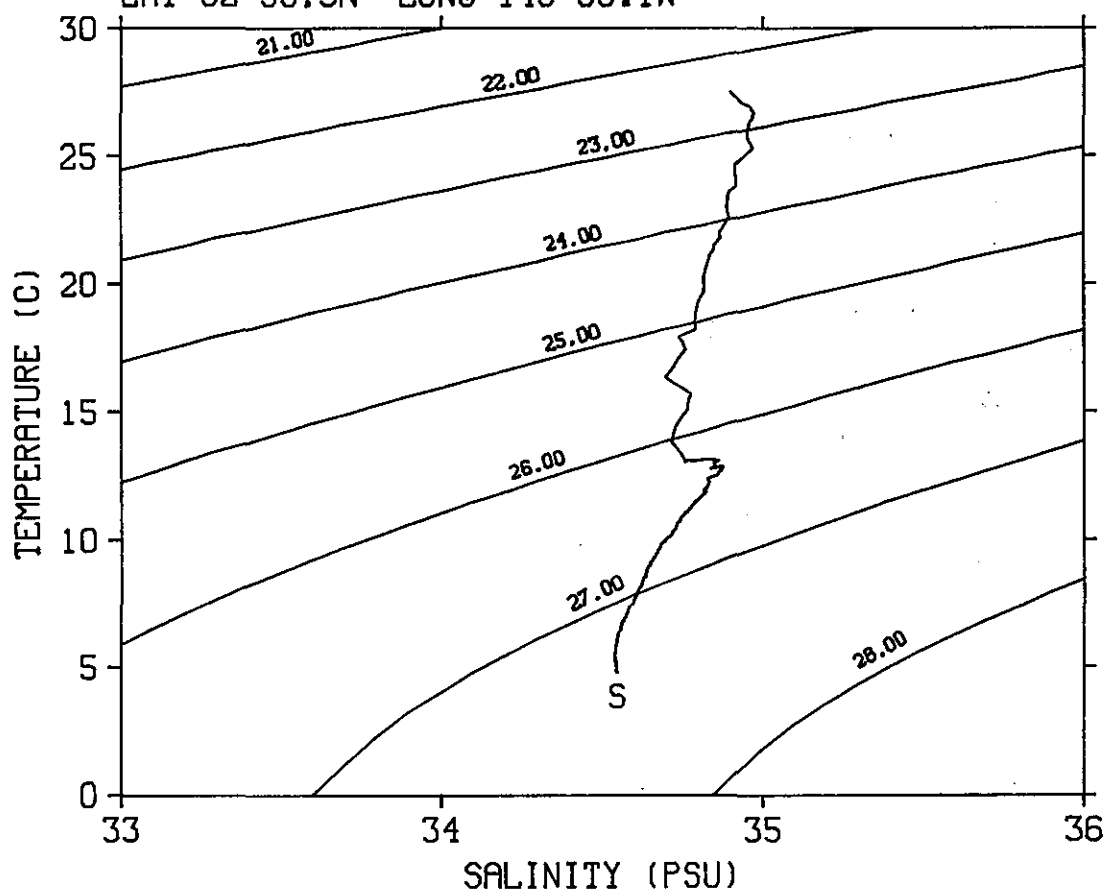




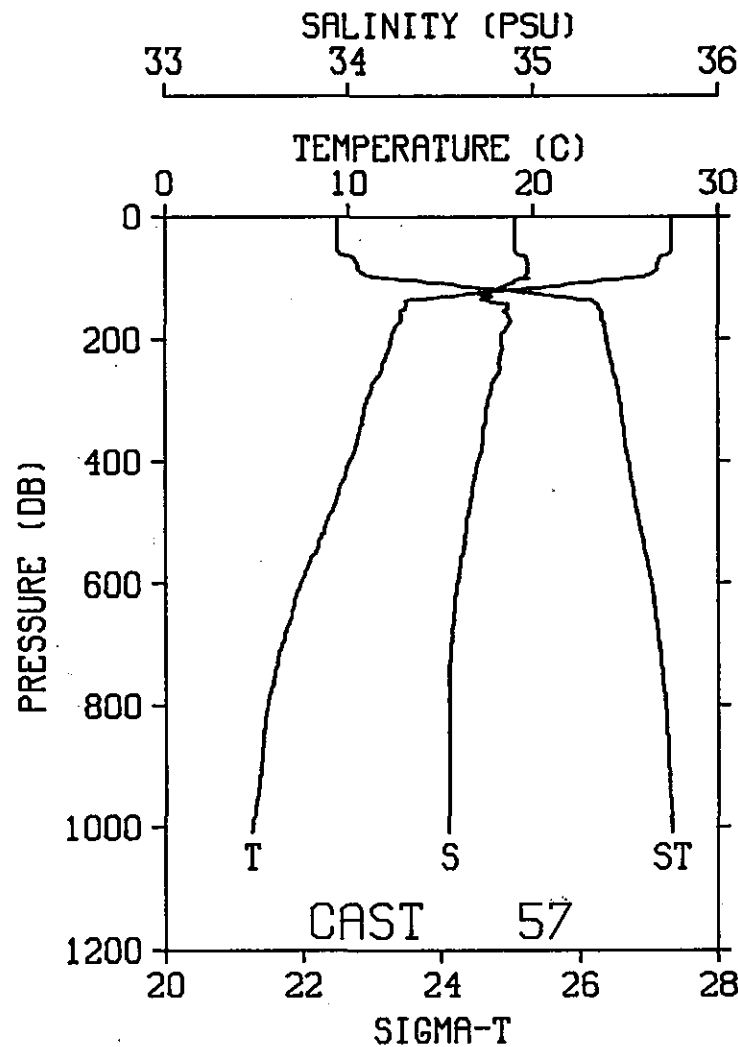
CAST EP2-85-DI-056 DATE 14 JUN 85 TIME 1358 GMT
 LAT 02 00.4N LONG 140 00.0W WEATHER 1 SEA STATE 4
 BAROMETER 08 WIND DIR 095 T SPD 20 KT VISIBILITY 8
 CLOUD 8 AMOUNT 4 DRY 26.3 WET 23.8 DEPTH 4224 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.461	34.875	22.477	0.000
10.	27.467	34.874	22.475	0.054
20.	27.473	34.874	22.473	0.107
30.	27.475	34.874	22.472	0.161
40.	27.448	34.874	22.481	0.215
50.	27.387	34.877	22.503	0.268
60.	27.028	34.902	22.637	0.321
70.	26.202	34.926	22.917	0.372
80.	24.525	34.903	23.413	0.419
90.	22.270	34.869	24.044	0.461
100.	19.702	34.803	24.691	0.496
110.	17.669	34.754	25.166	0.526
120.	14.348	34.729	25.905	0.551
130.	13.420	34.810	26.161	0.570
140.	13.196	34.873	26.256	0.589
150.	13.050	34.881	26.291	0.606
160.	12.859	34.874	26.324	0.624
170.	12.671	34.866	26.355	0.641
180.	12.411	34.848	26.393	0.658
190.	12.098	34.839	26.446	0.675
200.	11.845	34.826	26.484	0.691
250.	11.514	34.813	26.536	0.769
300.	11.171	34.790	26.581	0.845
350.	10.366	34.737	26.684	0.918
400.	10.061	34.726	26.728	0.989
450.	9.540	34.696	26.793	1.057
500.	9.044	34.670	26.853	1.123
550.	8.202	34.621	26.946	1.185
600.	7.207	34.580	27.059	1.242
650.	6.380	34.552	27.150	1.294
700.	6.172	34.548	27.174	1.343
750.	6.040	34.547	27.190	1.392
800.	5.770	34.542	27.220	1.440
850.	5.380	34.540	27.266	1.486
900.	5.081	34.542	27.303	1.530
950.	4.855	34.545	27.332	1.572
1000.	4.681	34.550	27.355	1.614
1010.	4.640	34.551	27.360	1.622

CAST EP2-85-DI-057 DATE 14 JUN 85 TIME 1950 GMT
LAT 02 59.3N LONG 140 00.1W

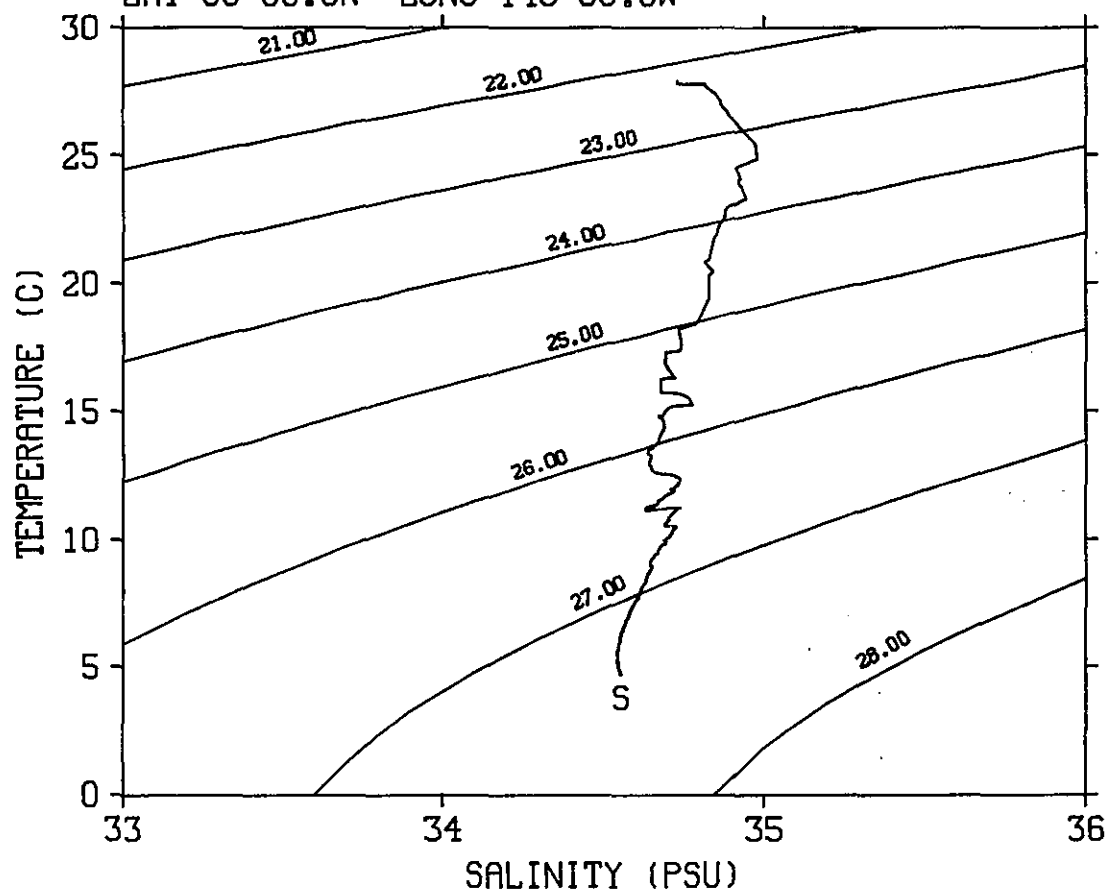


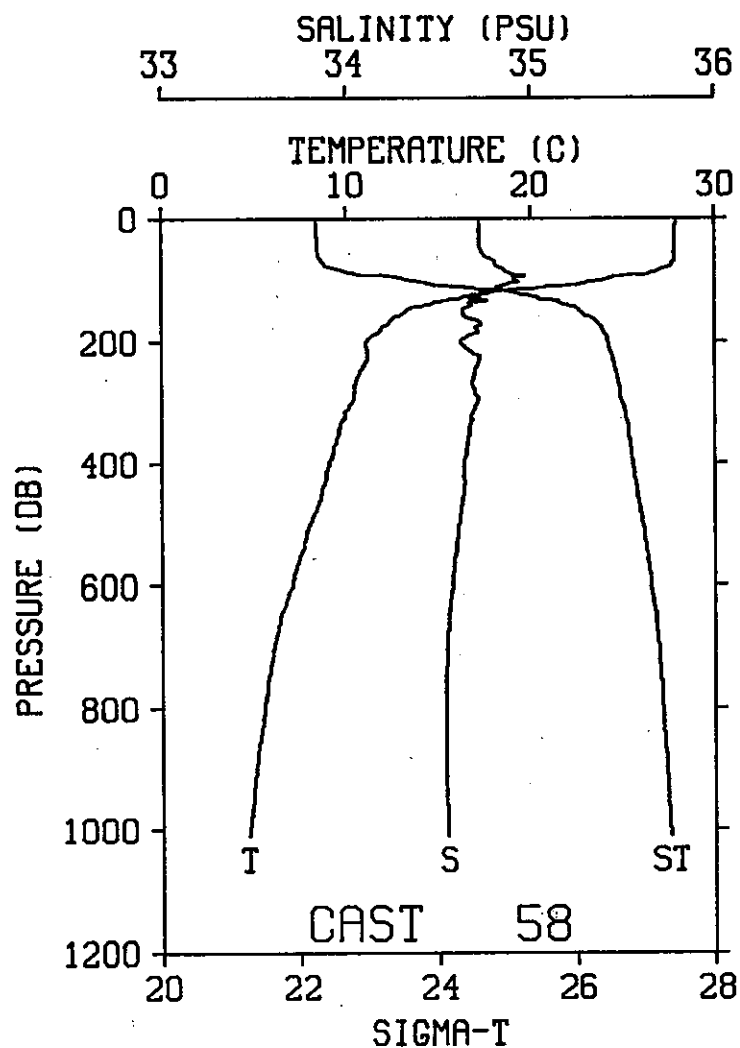
CAST EP2-85-DI-057 DATE 14 JUN 85 TIME 1950 GMT
 LAT 02 59.3N LONG 140 00.1W WEATHER 1 SEA STATE 4
 BAROMETER 10 WIND DIR 085 T SPD 24 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 27.8 WET 23.9 DEPTH 4188 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.493	34.899	22.486	0.000
10.	27.489	34.899	22.487	0.053
20.	27.493	34.899	22.485	0.107
30.	27.496	34.899	22.485	0.161
40.	27.493	34.898	22.485	0.214
50.	27.482	34.899	22.489	0.268
60.	27.368	34.908	22.532	0.321
70.	26.767	34.962	22.765	0.373
80.	26.667	34.970	22.803	0.424
90.	26.550	34.969	22.839	0.475
100.	25.720	34.953	23.086	0.525
110.	21.951	34.863	24.129	0.568
120.	18.758	34.790	24.923	0.603
130.	15.659	34.774	25.652	0.630
140.	13.092	34.776	26.202	0.651
150.	13.069	34.863	26.273	0.669
160.	12.819	34.859	26.320	0.686
170.	12.859	34.874	26.324	0.703
180.	12.580	34.860	26.369	0.720
190.	12.405	34.837	26.385	0.737
200.	12.315	34.826	26.394	0.754
250.	11.843	34.821	26.481	0.836
300.	10.973	34.753	26.588	0.913
350.	10.580	34.730	26.641	0.987
400.	10.023	34.702	26.715	1.059
450.	9.401	34.666	26.792	1.128
500.	8.758	34.635	26.871	1.193
550.	8.149	34.619	26.952	1.255
600.	7.335	34.585	27.045	1.312
650.	6.872	34.569	27.097	1.366
700.	6.348	34.554	27.155	1.417
750.	5.930	34.545	27.202	1.466
800.	5.588	34.542	27.242	1.512
850.	5.341	34.542	27.272	1.558
900.	5.211	34.543	27.288	1.602
950.	5.018	34.544	27.312	1.645
1000.	4.801	34.546	27.338	1.688
1009.	4.761	34.548	27.344	1.695

CAST EP2-85-DI-058 DATE 15 JUN 85 TIME 0145 GMT
LAT 03 59.6N LONG 140 00.0W

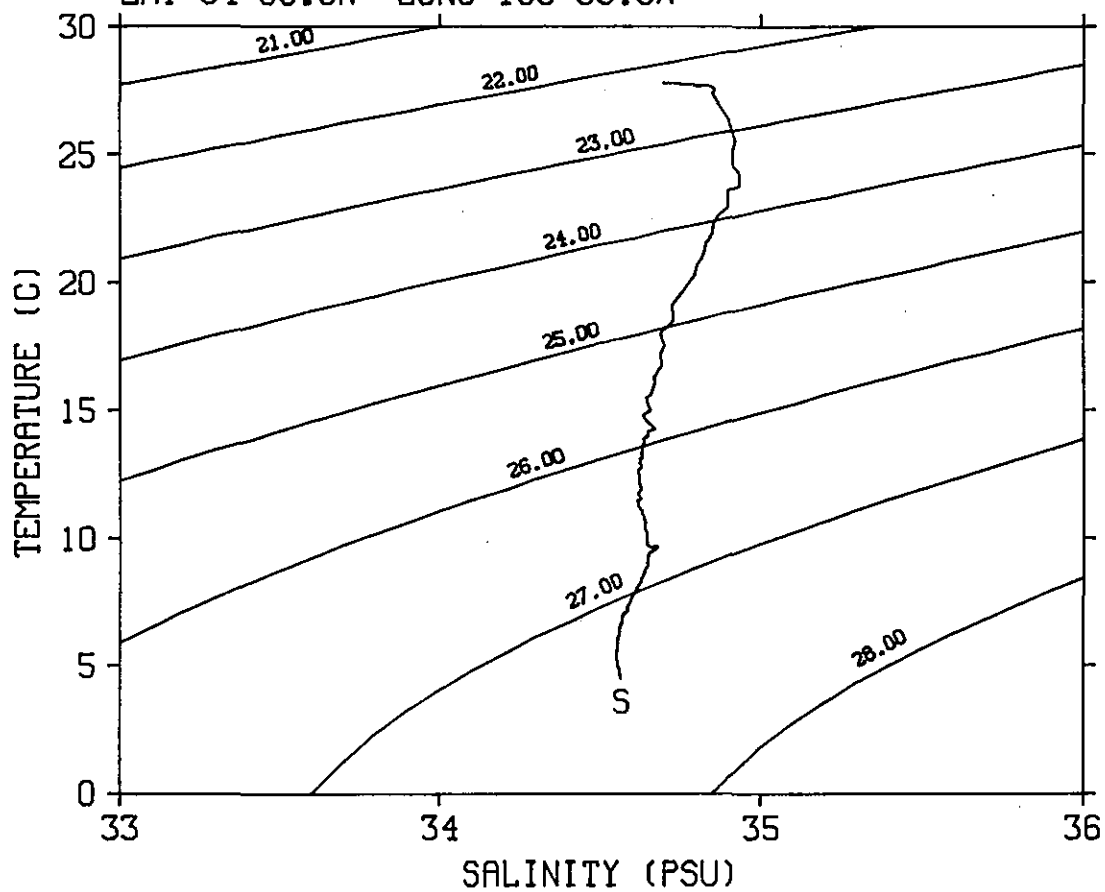


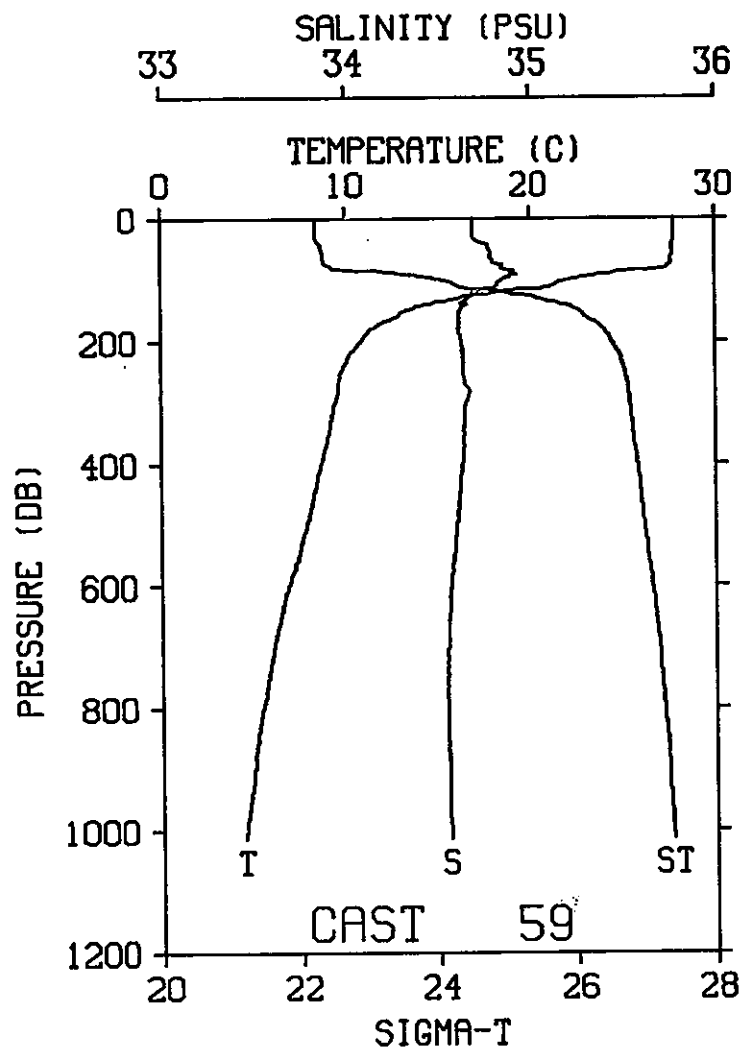


CAST EP2-85-DI-058 DATE 15 JUN 85 TIME 0145 GMT
 LAT 03 59.6N LONG 140 00.0W WEATHER 1 SEA STATE 4
 BAROMETER 07 WIND DIR 095 T SPD 20 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 28.6 WET 24.2 DEPTH 4225 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.876	34.726	22.232	0.000
10.	27.867	34.727	22.235	0.056
20.	27.845	34.725	22.241	0.112
30.	27.816	34.727	22.251	0.168
40.	27.793	34.726	22.258	0.223
50.	27.795	34.735	22.264	0.279
60.	27.799	34.755	22.278	0.335
70.	27.789	34.813	22.325	0.391
80.	27.429	34.839	22.461	0.445
90.	26.469	34.896	22.809	0.498
100.	24.006	34.917	23.579	0.544
110.	21.588	34.842	24.214	0.584
120.	17.929	34.733	25.086	0.617
130.	16.210	34.675	25.451	0.644
140.	14.571	34.683	25.822	0.667
150.	13.310	34.637	26.050	0.688
160.	12.703	34.648	26.180	0.707
170.	12.367	34.734	26.313	0.725
180.	11.934	34.713	26.379	0.742
190.	11.512	34.676	26.430	0.759
200.	11.151	34.627	26.458	0.775
250.	10.803	34.701	26.578	0.853
300.	10.358	34.717	26.670	0.926
350.	9.612	34.672	26.762	0.995
400.	9.080	34.642	26.826	1.061
450.	8.678	34.639	26.887	1.124
500.	8.036	34.613	26.965	1.184
550.	7.519	34.593	27.025	1.241
600.	7.099	34.580	27.074	1.296
650.	6.431	34.560	27.149	1.348
700.	6.080	34.549	27.186	1.397
750.	5.769	34.544	27.221	1.444
800.	5.560	34.541	27.245	1.491
850.	5.320	34.541	27.274	1.536
900.	5.101	34.542	27.301	1.580
950.	4.923	34.545	27.324	1.622
1000.	4.722	34.549	27.350	1.664
1010.	4.682	34.551	27.356	1.672

CAST EP2-85-DI-059 DATE 15 JUN 85 TIME 0730 GMT
LAT 04 59.5N LONG 139 59.9W





CAST EP2-85-DI-059 DATE 15 JUN 85 TIME 0730 GMT
 LAT 04 59.5N LONG 139 59.9W WEATHER 1 SEA STATE 4
 BAROMETER 11 WIND DIR 095 T SPD 18 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 26.9 WET 24.8 DEPTH 4316 M

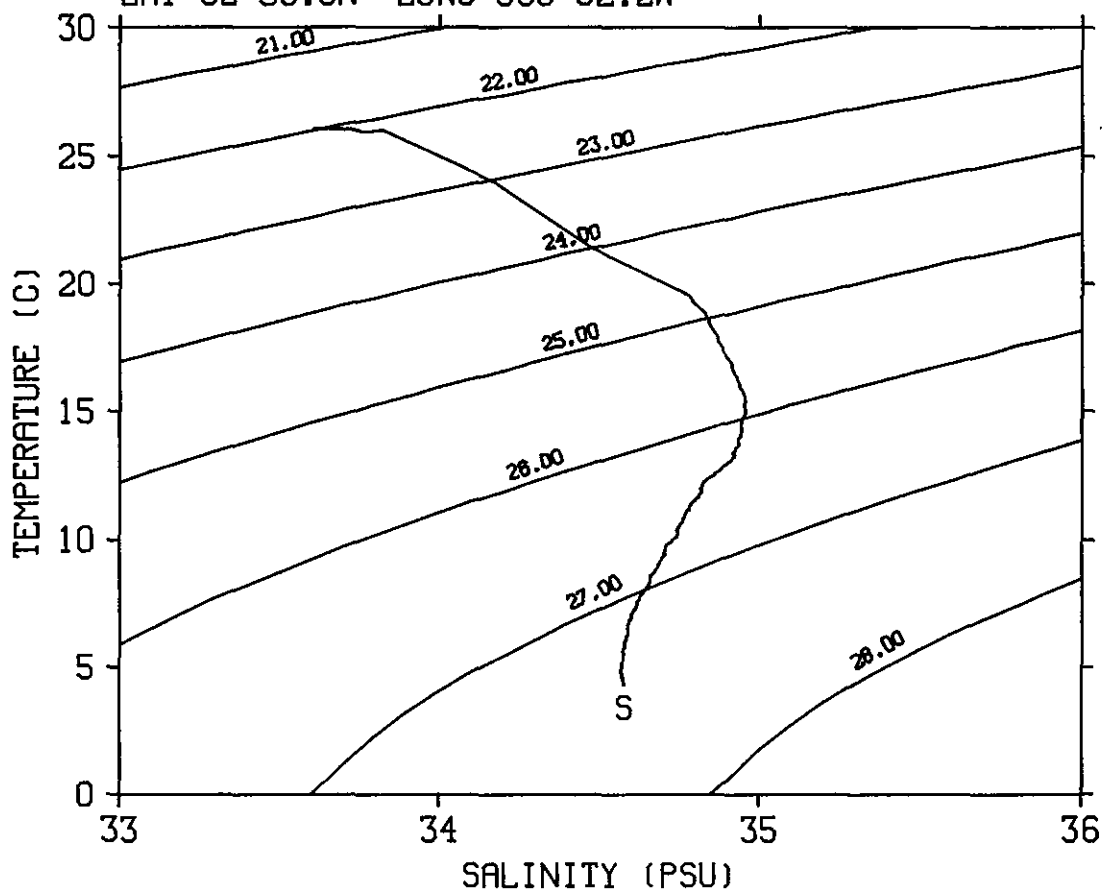
PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.768	34.692	22.241	0.000
10.	27.768	34.693	22.242	0.056
20.	27.769	34.693	22.241	0.112
30.	27.770	34.693	22.241	0.168
40.	27.752	34.748	22.288	0.223
50.	27.719	34.779	22.322	0.279
60.	27.694	34.791	22.339	0.334
70.	27.667	34.799	22.354	0.389
80.	27.427	34.848	22.468	0.443
90.	24.554	34.910	23.410	0.493
100.	22.298	34.853	24.024	0.534
110.	21.256	34.822	24.290	0.572
120.	18.209	34.706	24.996	0.605
130.	16.126	34.667	25.464	0.633
140.	14.552	34.641	25.793	0.657
150.	13.295	34.622	26.041	0.678
160.	12.887	34.619	26.121	0.697
170.	11.976	34.621	26.300	0.716
180.	11.458	34.622	26.397	0.733
190.	11.095	34.624	26.466	0.749
200.	10.876	34.628	26.509	0.765
250.	9.739	34.641	26.716	0.837
300.	9.413	34.655	26.781	0.904
350.	9.078	34.645	26.828	0.969
400.	8.632	34.634	26.890	1.032
450.	8.239	34.619	26.939	1.092
500.	7.842	34.603	26.986	1.150
550.	7.421	34.588	27.035	1.207
600.	6.878	34.568	27.095	1.260
650.	6.444	34.558	27.146	1.311
700.	6.046	34.551	27.192	1.360
750.	5.732	34.550	27.231	1.407
800.	5.439	34.548	27.265	1.453
850.	5.125	34.550	27.304	1.497
900.	4.946	34.554	27.328	1.539
950.	4.728	34.556	27.355	1.581
1000.	4.518	34.560	27.381	1.621
1013.	4.470	34.561	27.387	1.631

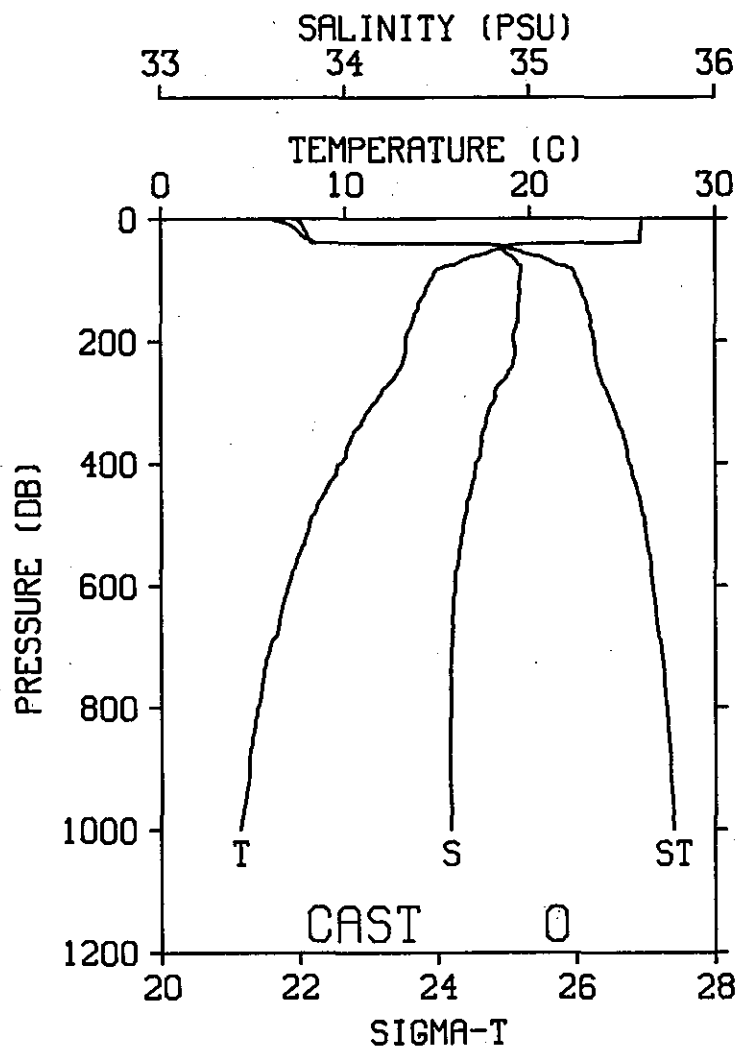
EP3-85-RS

22 September - 18 October 1985

NBIS CTD/O₂ Data Summary

CAST EP3-85-RS-000 DATE 24 SEP 85 TIME 1837 GMT
LAT 02 59.9N LONG 088 32.2W

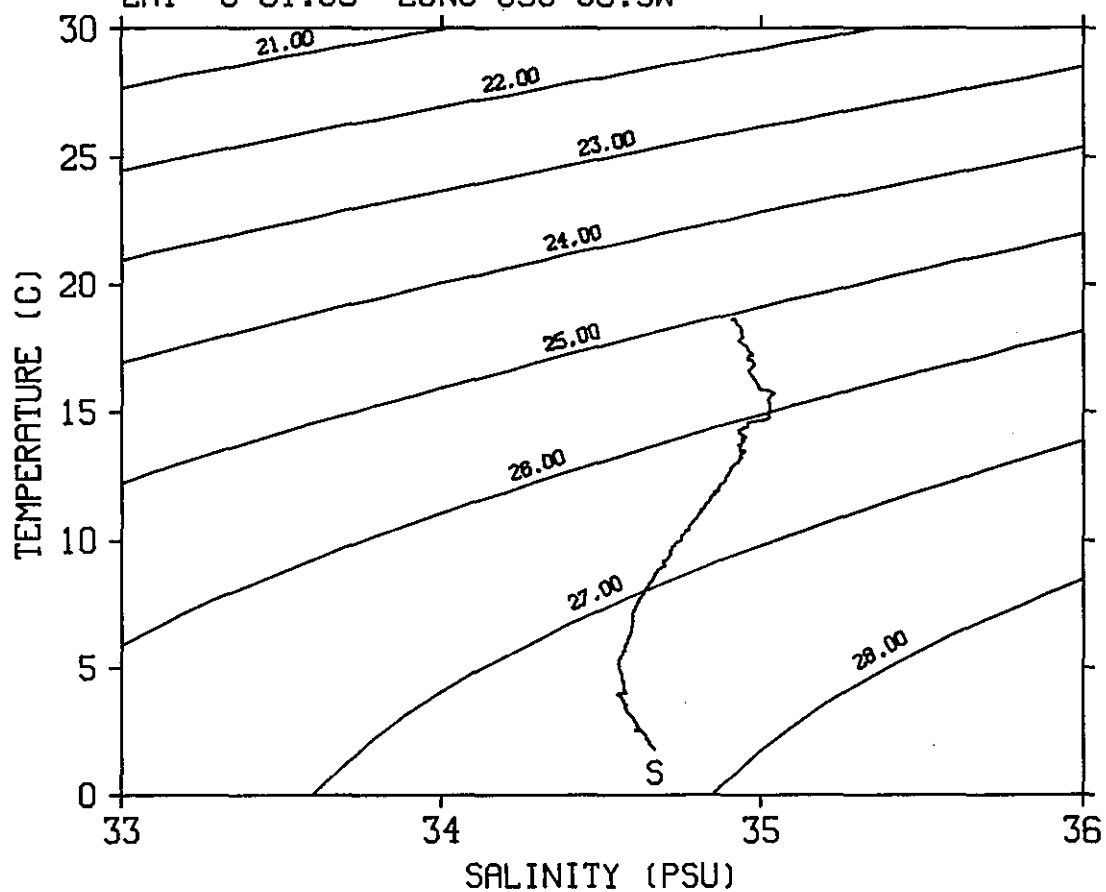


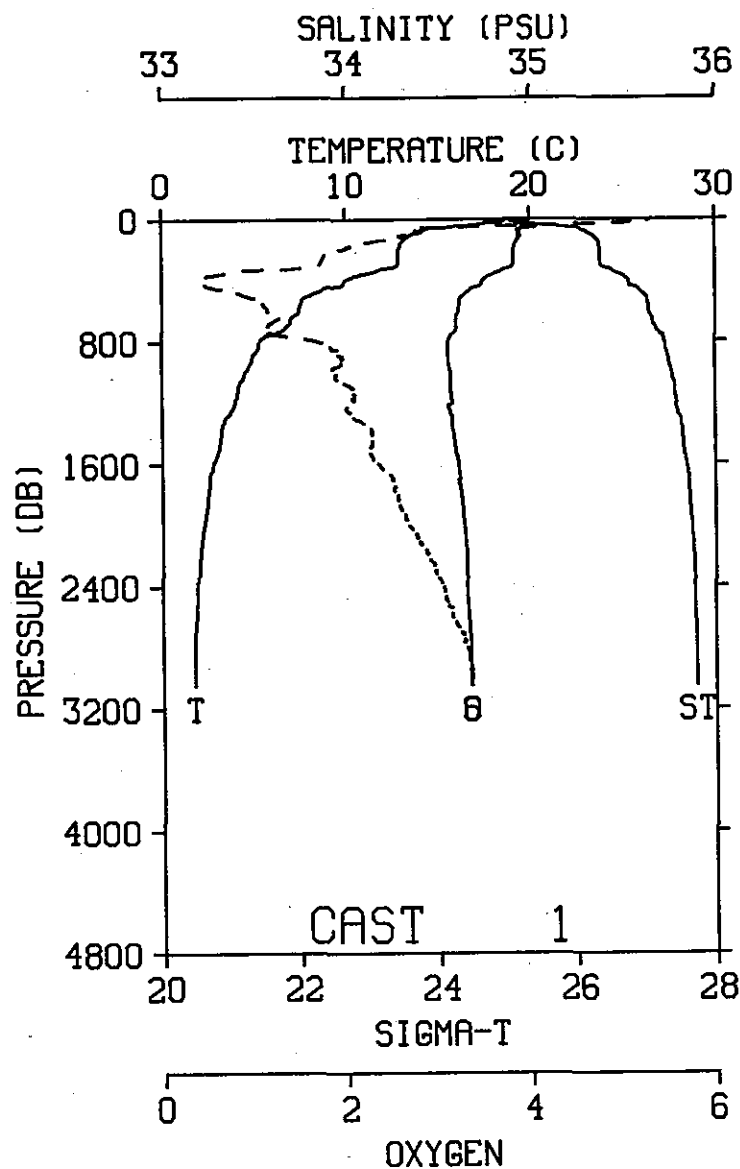


CAST EP3-85-RS-000 DATE 24 SEP 85 TIME 1837 GMT
 LAT 02 59.9N LONG 088 32.2W WEATHER SEA STATE
 BAROMETER 12 WIND DIR 170 T SPD 12 KT VISIBILITY 7
 CLOUD AMOUNT DRY WET DEPTH 1717 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.025	33.606	21.977	0.000
10.	26.023	33.697	22.045	0.058
20.	26.008	33.742	22.084	0.116
30.	25.945	33.773	22.127	0.173
40.	23.962	34.171	23.027	0.229
50.	18.282	34.849	25.087	0.261
60.	17.314	34.887	25.354	0.289
70.	16.254	34.928	25.634	0.313
80.	15.262	34.949	25.876	0.336
90.	14.795	34.950	25.979	0.357
100.	14.618	34.945	26.013	0.377
110.	14.441	34.941	26.048	0.397
120.	14.318	34.944	26.077	0.417
130.	14.101	34.939	26.120	0.436
140.	13.921	34.934	26.154	0.455
150.	13.852	34.933	26.167	0.474
160.	13.702	34.933	26.199	0.493
170.	13.622	34.931	26.213	0.511
180.	13.543	34.924	26.224	0.530
190.	13.359	34.916	26.255	0.548
200.	13.289	34.915	26.269	0.566
250.	12.849	34.886	26.335	0.655
300.	11.632	34.804	26.507	0.738
350.	10.432	34.742	26.676	0.814
400.	9.697	34.703	26.772	0.883
450.	8.840	34.675	26.890	0.948
500.	8.016	34.640	26.989	1.007
550.	7.419	34.614	27.056	1.063
600.	6.921	34.594	27.110	1.116
650.	6.489	34.583	27.160	1.167
700.	5.921	34.577	27.228	1.215
750.	5.549	34.571	27.270	1.260
800.	5.245	34.572	27.308	1.303
850.	4.935	34.568	27.340	1.345
900.	4.771	34.564	27.356	1.386
950.	4.552	34.572	27.387	1.425
1000.	4.320	34.575	27.415	1.464

CAST EP3-85-RS-001 DATE 26 SEP 85 TIME 0630 GMT
LAT 0 01.0S LONG 095 00.5W

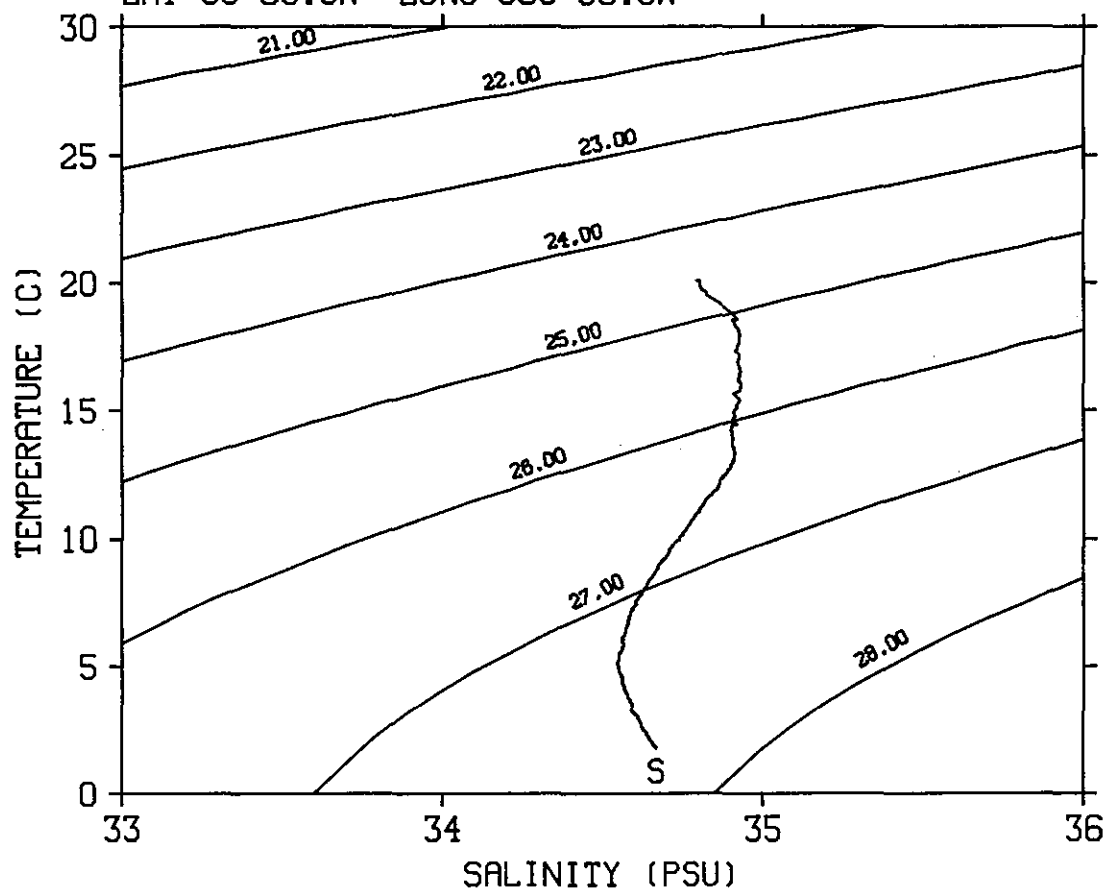


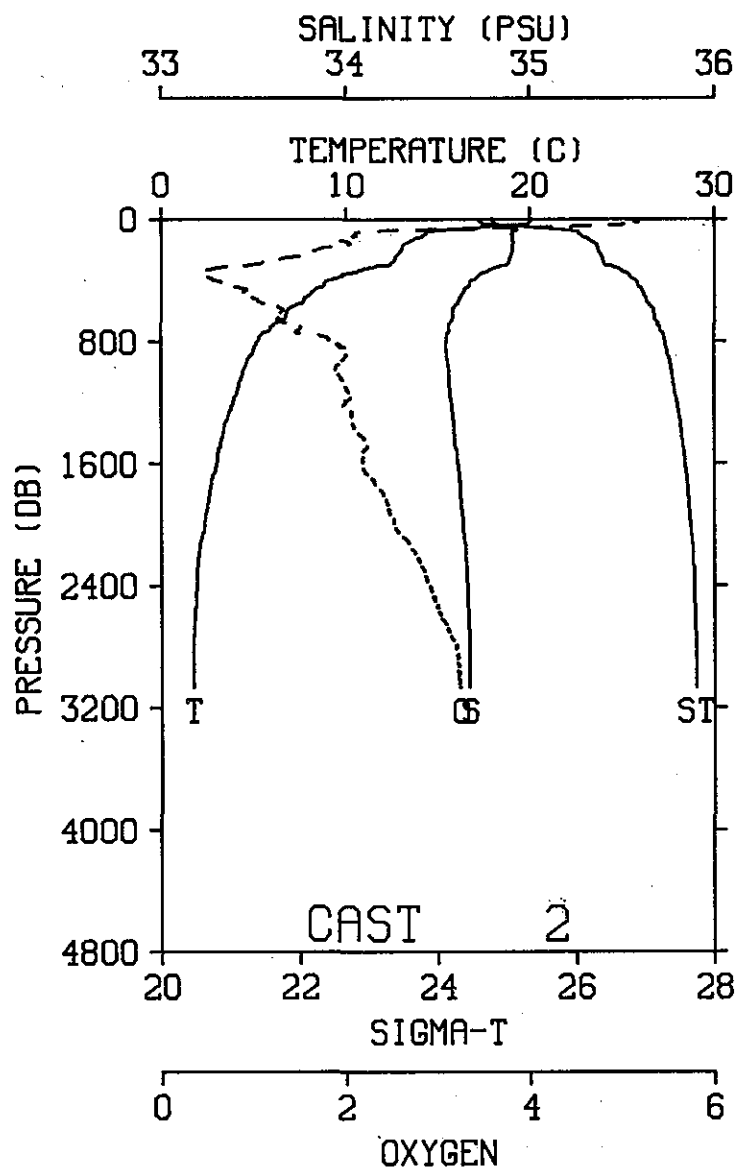


CAST EP3-85-RS-001 DATE 26 SEP 85 TIME 0630 GMT
 LAT 0 01.05 LONG 095 00.5W WEATHER 2 SEA STATE 4
 BAROMETER 15 WIND DIR 160 T SPD 14 KT VISIBILITY 7
 CLOUD X AMOUNT 8 DRY 18.5 WET 18.0 DEPTH 3298 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	18.667	34.914	5.87	25.041	0.000
10.	18.674	34.914	5.28	25.039	0.029
20.	18.461	34.921	5.16	25.098	0.058
30.	17.618	34.946	4.75	25.325	0.086
40.	17.142	34.960	4.26	25.451	0.112
50.	15.971	34.995	3.59	25.751	0.136
60.	15.021	35.023	2.91	25.986	0.158
70.	14.365	34.945	2.88	26.068	0.177
80.	14.076	34.944	2.76	26.129	0.197
90.	13.950	34.935	2.84	26.148	0.215
100.	13.702	34.930	2.70	26.196	0.234
110.	13.466	34.938	2.66	26.251	0.252
120.	13.374	34.943	2.60	26.273	0.270
130.	13.241	34.934	2.49	26.294	0.287
140.	13.178	34.934	2.42	26.306	0.305
150.	13.051	34.929	2.28	26.328	0.322
160.	12.998	34.924	2.20	26.335	0.340
170.	12.952	34.918	2.14	26.340	0.357
180.	12.941	34.917	2.06	26.341	0.374
190.	12.927	34.916	2.02	26.343	0.391
200.	12.885	34.912	1.95	26.348	0.408
250.	12.856	34.909	1.76	26.352	0.494
300.	12.815	34.907	1.71	26.359	0.581
350.	11.321	34.821	0.75	26.578	0.663
400.	9.910	34.739	0.43	26.764	0.735
450.	8.984	34.700	0.57	26.886	0.802
500.	8.056	34.638	0.91	26.981	0.861
550.	7.565	34.615	1.09	27.036	0.917
600.	7.438	34.609	1.16	27.049	0.972
650.	7.016	34.595	1.27	27.097	1.026
700.	6.764	34.596	1.14	27.133	1.079
750.	6.051	34.582	1.21	27.216	1.128
800.	5.335	34.558	1.70	27.285	1.173
850.	5.233	34.556	1.84	27.296	1.216
900.	4.935	34.557	1.97	27.332	1.259
950.	4.790	34.562	1.95	27.352	1.300
1000.	4.526	34.566	1.87	27.385	1.340
1500.	3.097	34.593	2.28	27.552	1.690
2000.	2.272	34.640	2.67	27.661	1.971
2500.	1.890	34.658	3.09	27.707	2.217
3000.	1.735	34.672	3.35	27.730	2.450
3050.	1.739	34.671	3.36	27.729	2.474

CAST EP3-85-RS-002 DATE 27 SEP 85 TIME 0729 GMT
LAT 00 00.3N LONG 099 59.0W

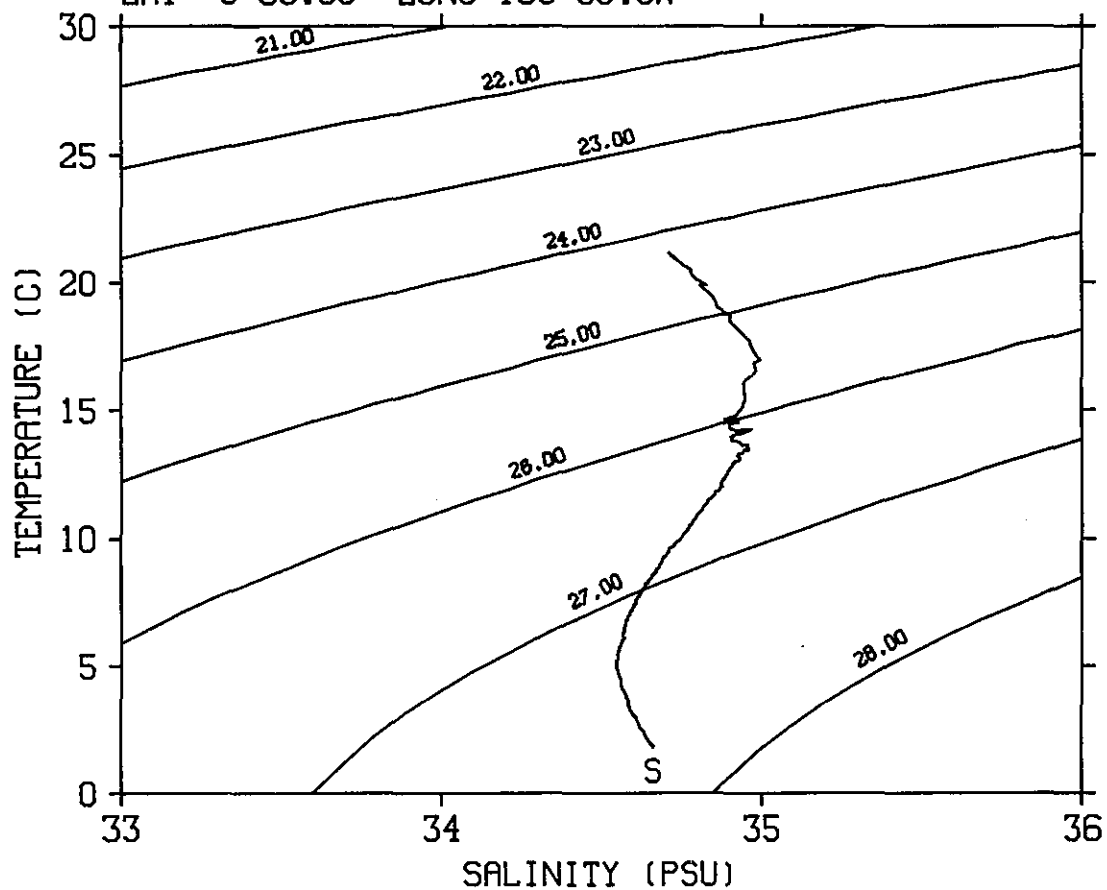


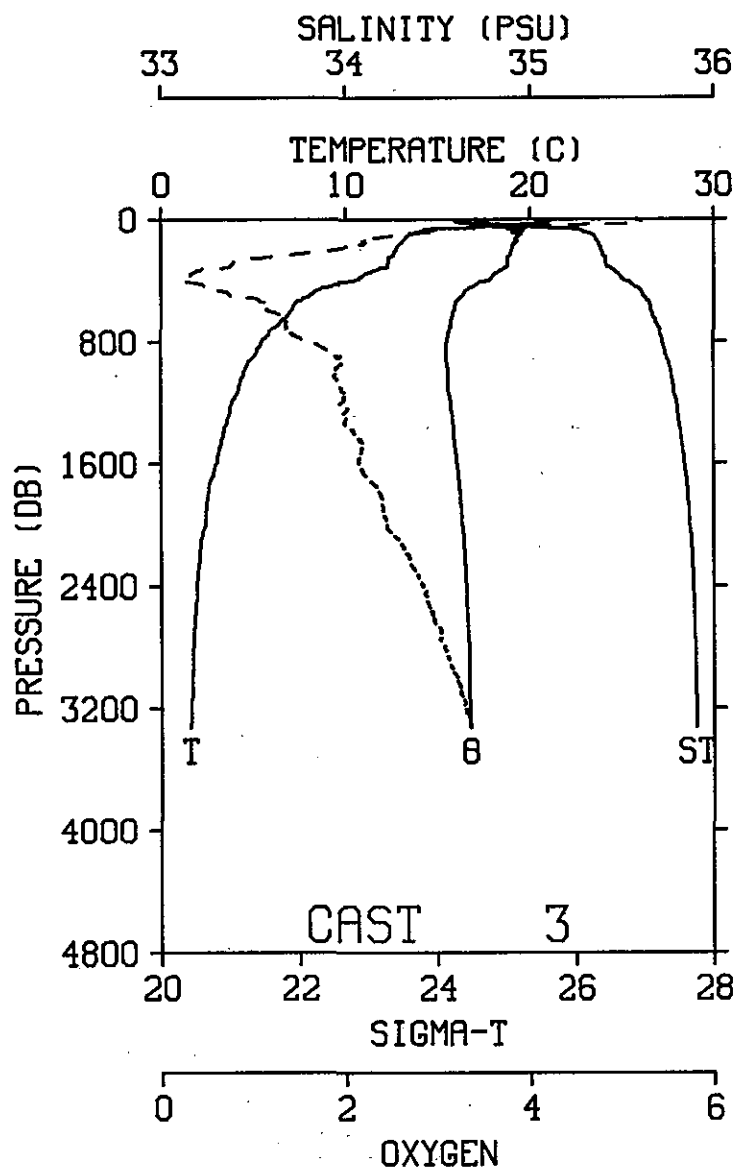


CAST EP3-85-RS-002 DATE 27 SEP 85 TIME 0729 GMT
 LAT 00 00.3N LONG 099 59.0W WEATHER 2 SEA STATE 2
 BAROMETER 15 WIND DIR 155 T SPD 10 KT VISIBILITY 6
 CLOUD X AMOUNT 9 DRY 19.5 WET 18.9 DEPTH 3279 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	20.065	34.792	5.40	24.587	0.000
10.	20.049	34.800	5.15	24.597	0.033
20.	20.042	34.800	5.16	24.600	0.067
30.	19.876	34.802	5.09	24.645	0.100
40.	18.765	34.911	5.00	25.014	0.132
50.	17.878	34.925	4.47	25.245	0.161
60.	17.029	34.925	3.85	25.450	0.187
70.	15.632	34.910	2.92	25.763	0.211
80.	14.669	34.908	2.25	25.974	0.232
90.	14.396	34.905	2.11	26.030	0.252
100.	14.332	34.902	2.09	26.042	0.272
110.	14.184	34.901	2.12	26.073	0.291
120.	14.012	34.903	1.99	26.110	0.311
130.	13.753	34.902	1.94	26.164	0.330
140.	13.615	34.904	1.98	26.194	0.348
150.	13.423	34.910	2.01	26.238	0.367
160.	13.255	34.909	2.06	26.272	0.385
170.	13.125	34.906	2.03	26.296	0.402
180.	13.075	34.906	1.89	26.306	0.420
190.	13.043	34.905	1.75	26.311	0.437
200.	13.029	34.905	1.71	26.314	0.455
250.	12.675	34.892	1.43	26.375	0.541
300.	12.398	34.874	0.98	26.415	0.626
350.	10.349	34.757	0.43	26.703	0.702
400.	9.135	34.686	0.59	26.851	0.769
450.	8.496	34.654	0.84	26.927	0.831
500.	7.997	34.628	0.92	26.982	0.889
550.	7.556	34.609	1.10	27.032	0.946
600.	6.799	34.579	1.31	27.115	0.999
650.	6.669	34.579	1.25	27.132	1.050
700.	5.974	34.563	1.48	27.211	1.099
750.	5.456	34.551	1.58	27.266	1.145
800.	5.207	34.547	1.84	27.292	1.189
850.	5.007	34.547	1.98	27.315	1.232
900.	4.784	34.551	1.99	27.344	1.274
950.	4.596	34.558	1.91	27.371	1.314
1000.	4.422	34.560	1.89	27.391	1.353
1500.	3.125	34.601	2.22	27.555	1.704
2000.	2.323	34.638	2.52	27.656	1.991
2500.	1.884	34.660	2.96	27.709	2.238
3000.	1.733	34.673	3.24	27.731	2.470
3070.	1.735	34.673	3.25	27.730	2.503

CAST EP3-85-RS-003 DATE 28 SEP 85 TIME 0604 GMT
LAT 0 00.8S LONG 105 00.0W

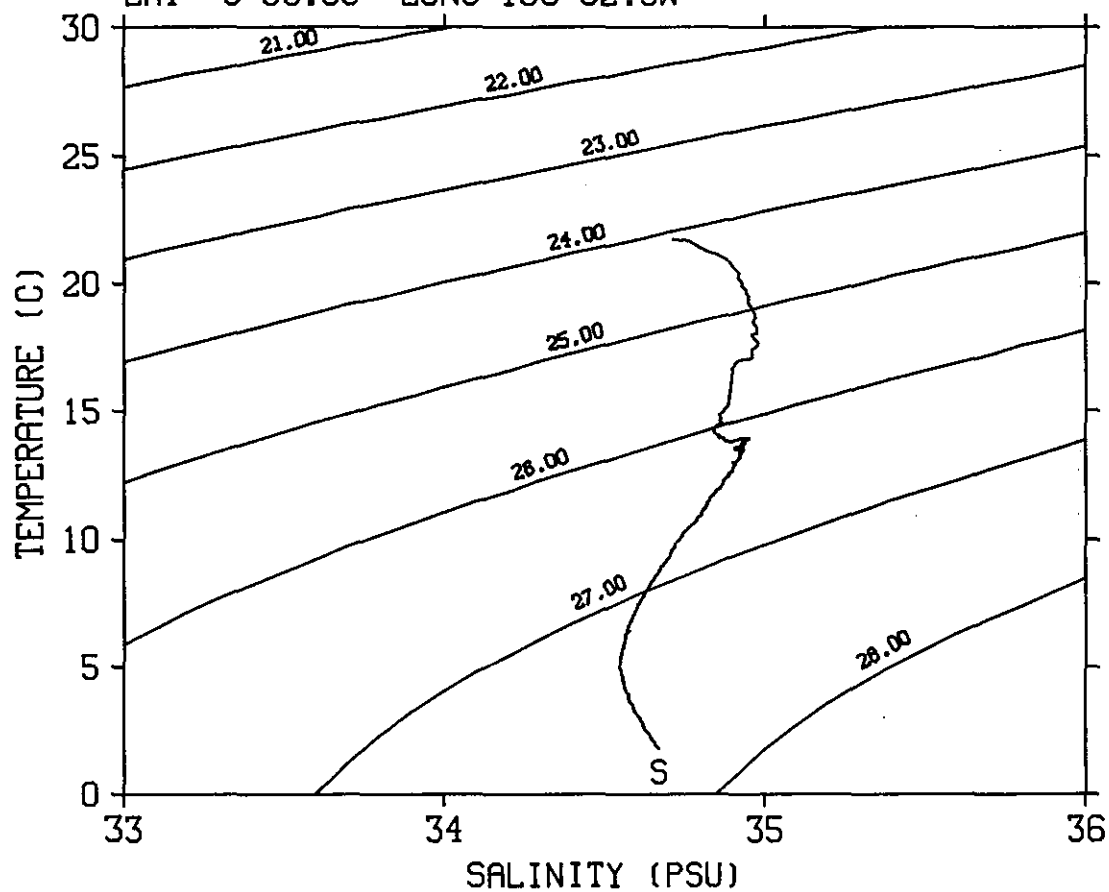


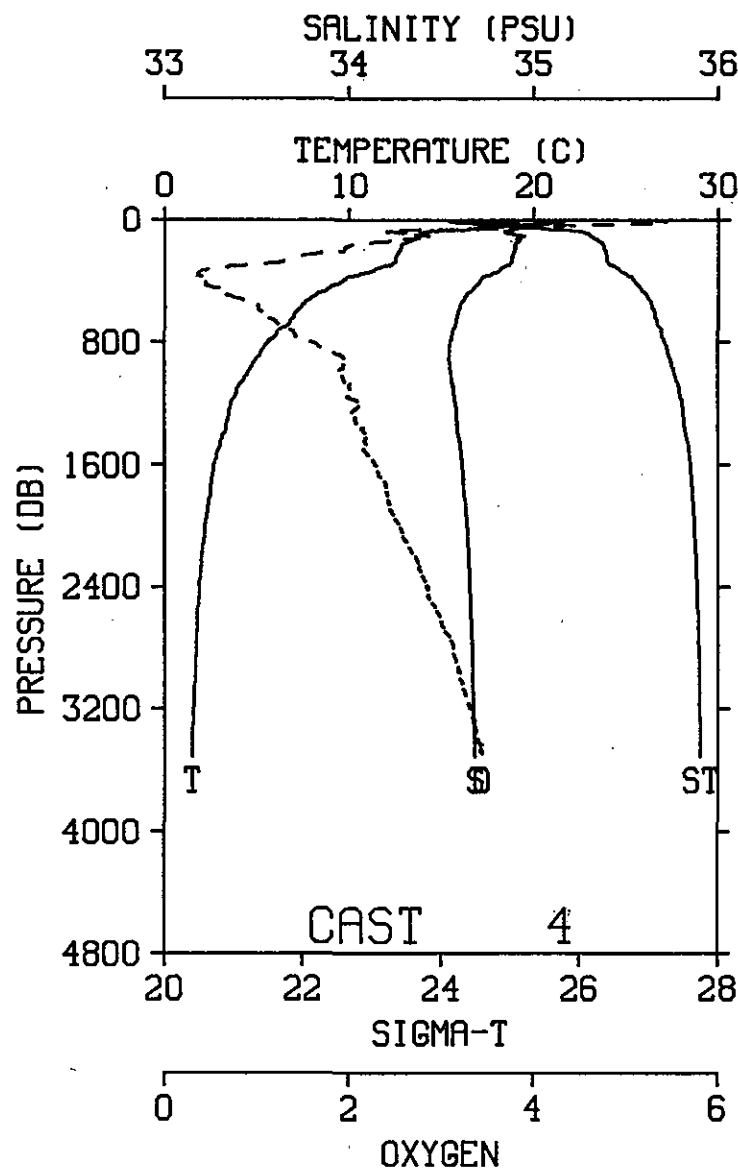


CAST EP3-85-RS-003 DATE 28 SEP 85 TIME 0604 GMT
 LAT 0 00.8S LONG 105 00.0W WEATHER 2 SEA STATE 4
 BAROMETER 16 WIND DIR 135 T SPD 10 KT VISIBILITY 7
 CLOUD 7 AMOUNT 8 DRY 20.8 WET 19.4 DEPTH 3534 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.127	34.710	5.18	24.240	0.000
10.	21.121	34.711	5.19	24.243	0.037
20.	21.016	34.720	5.20	24.278	0.073
30.	20.371	34.777	5.07	24.495	0.109
40.	19.143	34.858	4.54	24.878	0.141
50.	17.655	34.962	3.85	25.328	0.170
60.	16.163	34.948	3.38	25.671	0.195
70.	14.268	34.902	2.88	26.055	0.216
80.	14.224	34.966	2.95	26.114	0.235
90.	13.870	34.911	2.84	26.146	0.254
100.	13.472	34.958	2.66	26.265	0.272
110.	13.402	34.945	2.51	26.269	0.290
120.	13.262	34.925	2.36	26.283	0.307
130.	13.217	34.924	2.20	26.291	0.325
140.	13.143	34.929	2.20	26.309	0.343
150.	13.080	34.931	2.18	26.324	0.360
160.	12.957	34.915	2.18	26.336	0.377
170.	12.895	34.909	2.16	26.344	0.394
180.	12.809	34.908	2.13	26.360	0.411
190.	12.762	34.904	1.99	26.367	0.428
200.	12.738	34.902	1.89	26.370	0.445
250.	12.316	34.880	1.12	26.435	0.530
300.	12.291	34.878	0.76	26.439	0.612
350.	11.208	34.818	0.34	26.597	0.691
400.	10.365	34.771	0.28	26.711	0.765
450.	8.701	34.673	0.50	26.910	0.830
500.	8.036	34.634	0.77	26.981	0.889
550.	7.220	34.596	1.13	27.070	0.945
600.	6.955	34.585	1.16	27.098	0.998
650.	6.643	34.575	1.33	27.133	1.050
700.	6.202	34.565	1.36	27.183	1.099
750.	5.844	34.561	1.45	27.226	1.146
800.	5.466	34.551	1.64	27.264	1.192
850.	5.208	34.548	1.79	27.293	1.236
900.	5.016	34.544	1.93	27.312	1.279
950.	4.675	34.553	1.93	27.358	1.320
1000.	4.474	34.558	1.88	27.384	1.360
1500.	3.149	34.597	2.18	27.549	1.712
2000.	2.387	34.633	2.45	27.646	1.999
2500.	1.887	34.658	2.89	27.707	2.248
3000.	1.658	34.671	3.21	27.734	2.481
3326.	1.561	34.678	3.36	27.748	2.628

CAST EP3-85-RS-004 DATE 29 SEP 85 TIME 0525 GMT
LAT 0 00.9S LONG 108 02.9W

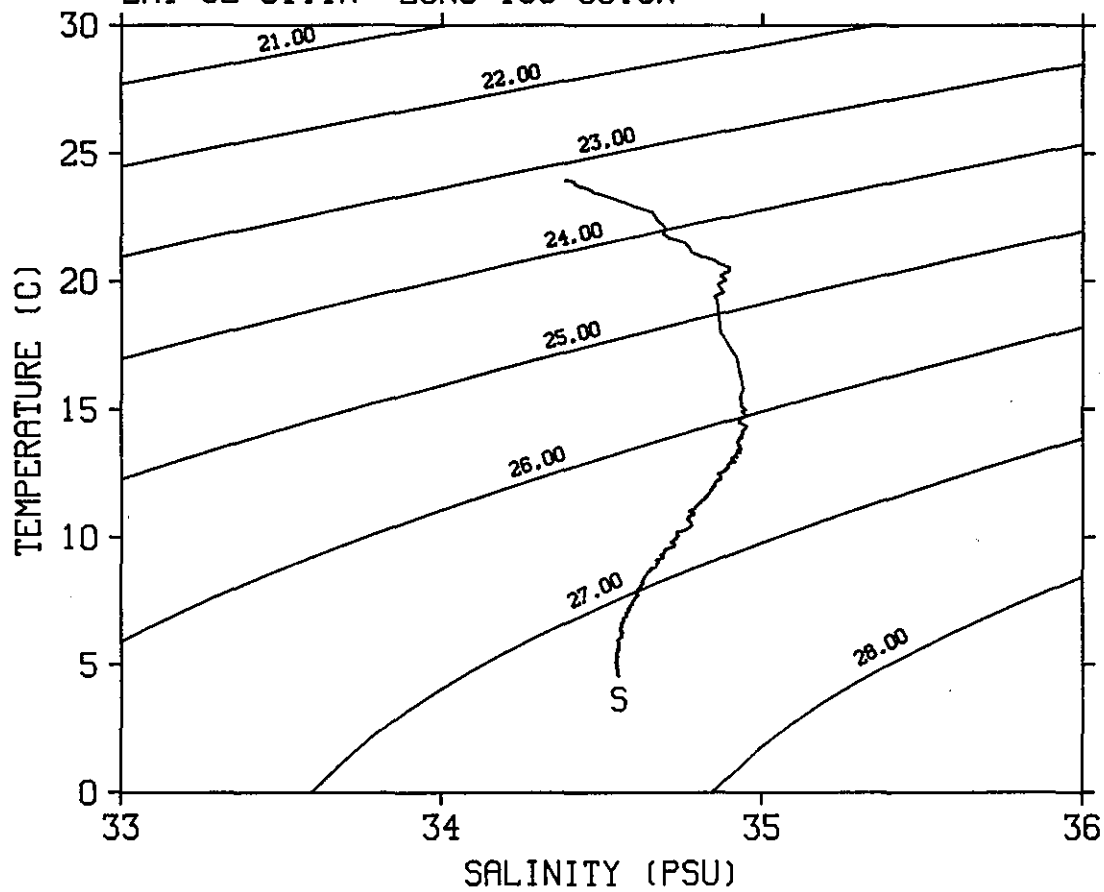


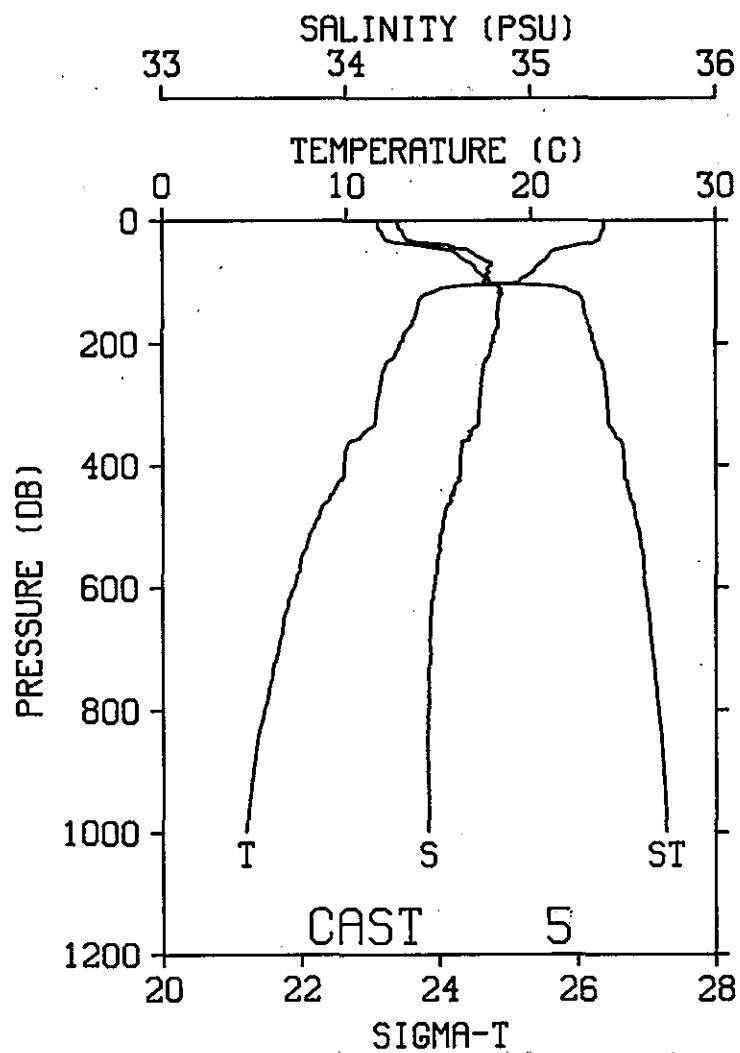


CAST EP3-85-RS-004 DATE 29 SEP 85 TIME 0525 GMT
 LAT 0 00.9S LONG 108 02.9W WEATHER 1 SEA STATE 4
 BAROMETER 14 WIND DIR 140 T SPD 08 KT VISIBILITY 7
 CLOUD 4 AMOUNT 1 DRY 20.8 WET 19.7 DEPTH 3726 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.684	34.712	5.32	24.088	0.000
10.	21.667	34.750	5.39	24.122	0.038
20.	21.308	34.805	5.39	24.263	0.076
30.	20.050	34.924	5.09	24.691	0.110
40.	18.970	34.958	4.50	24.998	0.141
50.	17.819	34.968	4.03	25.293	0.169
60.	16.847	34.902	3.55	25.476	0.195
70.	15.026	34.868	2.72	25.865	0.219
80.	14.273	34.840	2.39	26.007	0.239
90.	13.911	34.867	2.63	26.104	0.259
100.	13.894	34.913	2.77	26.143	0.278
110.	13.908	34.949	2.87	26.168	0.297
120.	13.670	34.930	2.73	26.202	0.315
130.	13.494	34.933	2.58	26.241	0.334
140.	13.311	34.924	2.48	26.272	0.351
150.	13.066	34.914	2.27	26.314	0.369
160.	12.919	34.905	2.07	26.336	0.386
170.	12.815	34.900	2.02	26.353	0.403
180.	12.795	34.899	1.97	26.356	0.420
190.	12.789	34.899	1.95	26.357	0.438
200.	12.773	34.898	1.95	26.360	0.455
250.	12.544	34.884	1.39	26.394	0.539
300.	12.194	34.866	0.95	26.448	0.623
350.	10.794	34.785	0.37	26.646	0.701
400.	9.618	34.711	0.48	26.791	0.770
450.	8.901	34.675	0.60	26.880	0.834
500.	8.118	34.634	0.72	26.969	0.894
550.	7.530	34.607	0.96	27.035	0.951
600.	7.138	34.593	1.05	27.079	1.005
650.	6.857	34.582	1.15	27.109	1.058
700.	6.532	34.570	1.29	27.144	1.110
750.	6.071	34.562	1.43	27.198	1.158
800.	5.633	34.550	1.59	27.244	1.205
850.	5.283	34.547	1.76	27.283	1.250
900.	5.012	34.546	1.94	27.314	1.294
950.	4.766	34.550	1.94	27.346	1.336
1000.	4.528	34.556	1.91	27.377	1.376
1500.	2.965	34.608	2.17	27.575	1.716
2000.	2.205	34.643	2.55	27.669	1.990
2500.	1.849	34.663	2.90	27.713	2.235
3000.	1.670	34.674	3.23	27.736	2.466
3500.	1.506	34.685	3.45	27.757	2.689
3514.	1.500	34.686	3.45	27.758	2.695

CAST EP3-85-RS-005 DATE 30 SEP 85 TIME 0224 GMT
LAT 02 01.1N LONG 109 59.6W

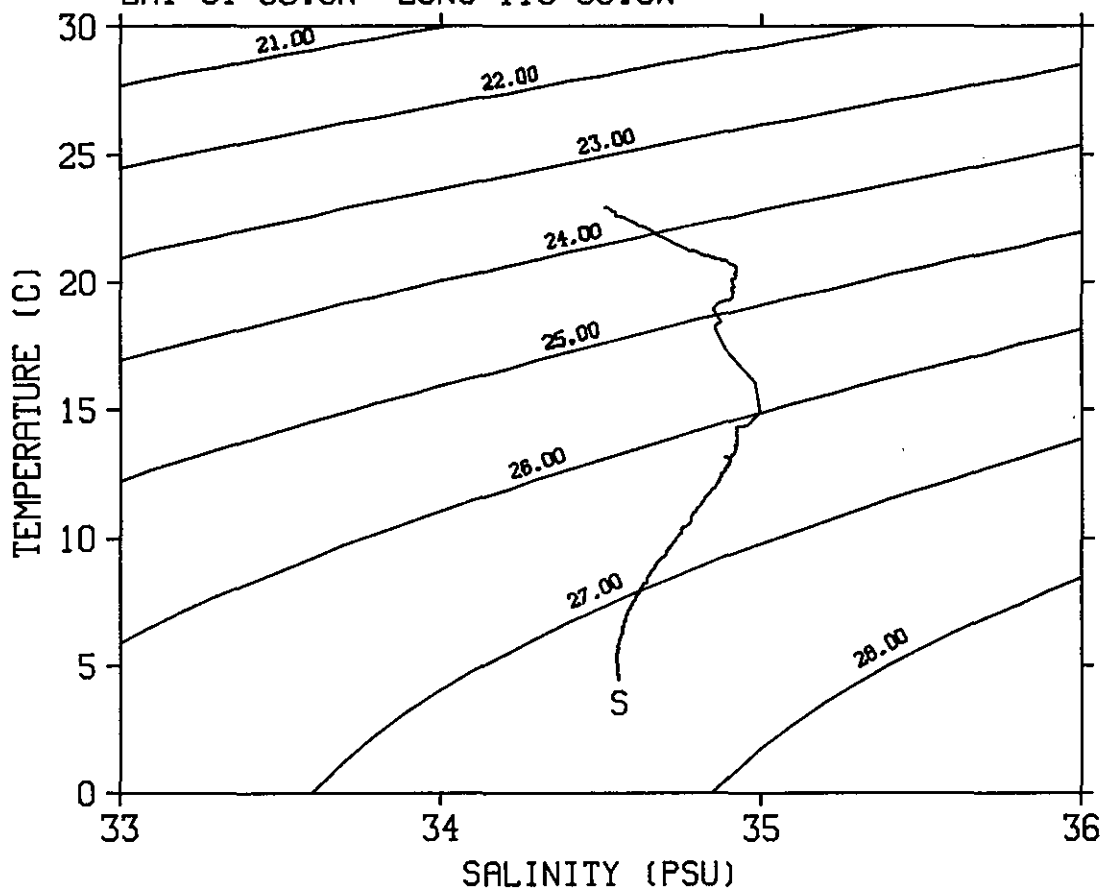




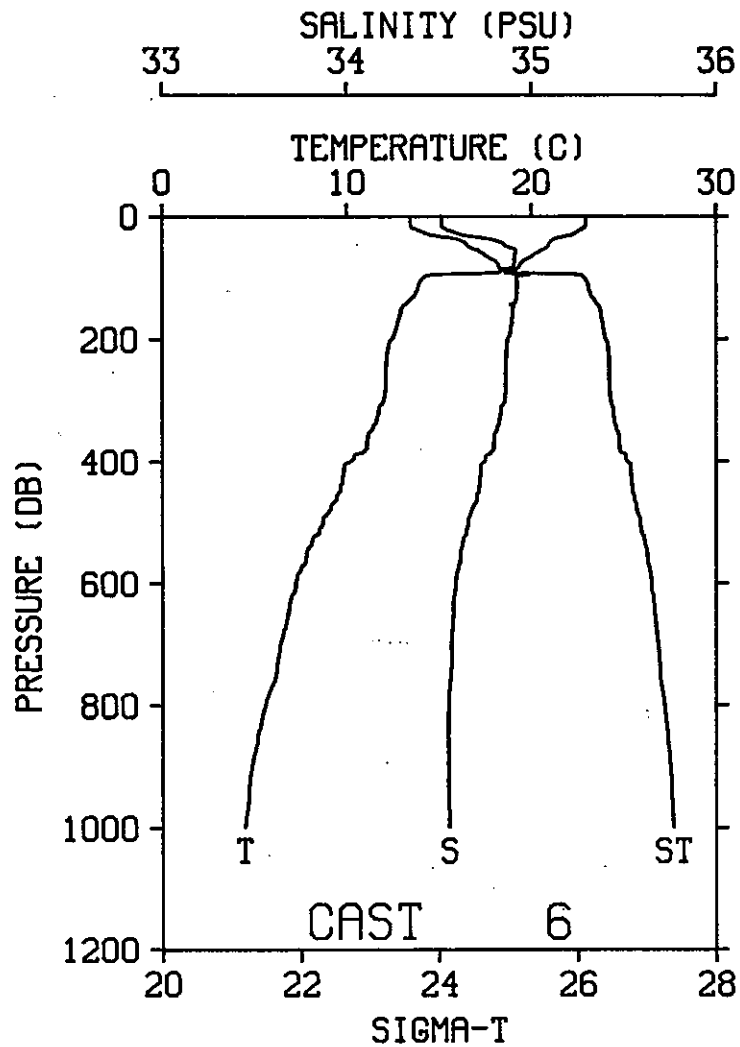
CAST EP3-85-RS-005 DATE 30 SEP 85 TIME 0224 GMT
 LAT 02 01.1N LONG 109 59.6W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 142 T SPD 09 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 21.1 WET 18.1 DEPTH 3743 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	23.933	34.399	23.208	0.000
10.	23.938	34.393	23.202	0.047
20.	23.795	34.414	23.260	0.093
30.	23.695	34.428	23.300	0.139
40.	22.673	34.656	23.768	0.184
50.	21.161	34.778	24.282	0.222
60.	20.872	34.832	24.402	0.258
70.	20.478	34.897	24.558	0.293
80.	20.180	34.869	24.616	0.327
90.	19.799	34.861	24.710	0.359
100.	19.366	34.850	24.814	0.391
110.	15.128	34.935	25.895	0.418
120.	14.233	34.950	26.100	0.438
130.	13.914	34.932	26.154	0.457
140.	13.823	34.927	26.169	0.476
150.	13.739	34.925	26.184	0.495
160.	13.625	34.925	26.208	0.513
170.	13.478	34.929	26.241	0.531
180.	13.244	34.921	26.283	0.549
190.	13.085	34.907	26.304	0.567
200.	12.887	34.898	26.337	0.584
250.	11.929	34.848	26.485	0.668
300.	11.662	34.832	26.523	0.747
350.	10.843	34.787	26.639	0.824
400.	9.849	34.725	26.763	0.893
450.	9.091	34.675	26.850	0.960
500.	8.204	34.625	26.949	1.021
550.	7.506	34.605	27.036	1.078
600.	7.154	34.582	27.069	1.133
650.	6.572	34.562	27.132	1.185
700.	6.275	34.559	27.169	1.235
750.	5.903	34.552	27.211	1.283
800.	5.490	34.549	27.260	1.329
850.	5.102	34.546	27.304	1.373
900.	4.880	34.544	27.328	1.416
950.	4.672	34.549	27.355	1.457
998.	4.513	34.553	27.376	1.495

CAST EP3-85-RS-006 DATE 30 SEP 85 TIME 0742 GMT
LAT 01 30.0N LONG 110 00.0W

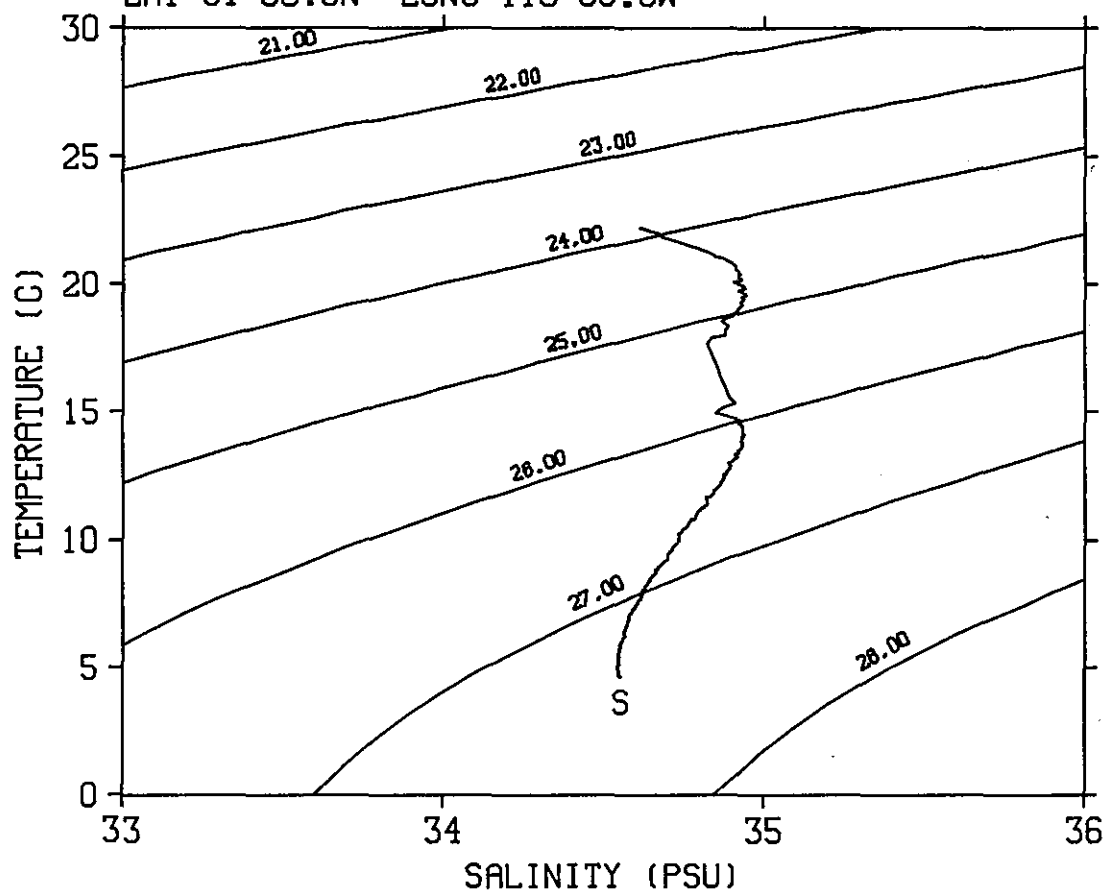


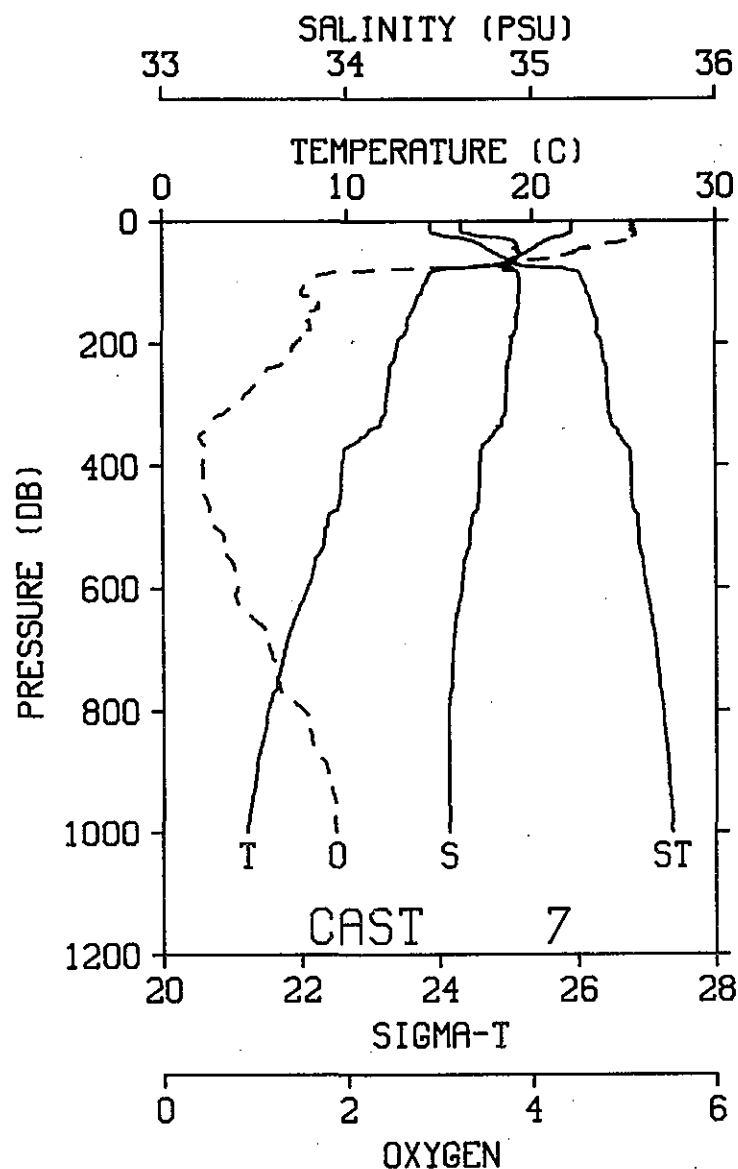
CAST EP3-85-RS-006 DATE 30 SEP 85 TIME 0742 GMT
 LAT 01 30.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 150 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 22.0 WET 18.0 DEPTH 3765 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	22.912	34.509	23.588	0.000
10.	22.919	34.515	23.591	0.043
20.	22.785	34.532	23.642	0.086
30.	22.224	34.613	23.862	0.127
40.	21.075	34.810	24.330	0.165
50.	20.837	34.875	24.444	0.200
60.	20.233	34.919	24.639	0.234
70.	19.685	34.902	24.771	0.267
80.	19.339	34.902	24.861	0.298
90.	18.331	34.861	25.085	0.329
100.	14.157	34.924	26.096	0.352
110.	13.899	34.925	26.151	0.371
120.	13.830	34.920	26.162	0.390
130.	13.641	34.922	26.202	0.408
140.	13.315	34.916	26.264	0.426
150.	12.984	34.900	26.319	0.444
160.	12.889	34.899	26.338	0.461
170.	12.787	34.889	26.350	0.478
180.	12.693	34.886	26.367	0.495
190.	12.603	34.887	26.385	0.512
200.	12.465	34.866	26.396	0.529
250.	12.125	34.860	26.457	0.610
300.	11.994	34.855	26.478	0.692
350.	11.323	34.810	26.569	0.771
400.	10.160	34.748	26.728	0.845
450.	9.601	34.713	26.796	0.912
500.	8.684	34.657	26.900	0.977
550.	7.785	34.614	27.003	1.036
600.	7.208	34.588	27.065	1.091
650.	6.815	34.577	27.111	1.144
700.	6.370	34.565	27.162	1.195
750.	6.129	34.562	27.190	1.244
800.	5.569	34.552	27.253	1.291
850.	5.148	34.548	27.300	1.335
900.	4.829	34.550	27.338	1.377
950.	4.641	34.551	27.360	1.418
999.	4.447	34.555	27.385	1.457

CAST EP3-85-RS-007 DATE 30 SEP 85 TIME 1122 GMT
LAT 01 00.0N LONG 110 00.0W

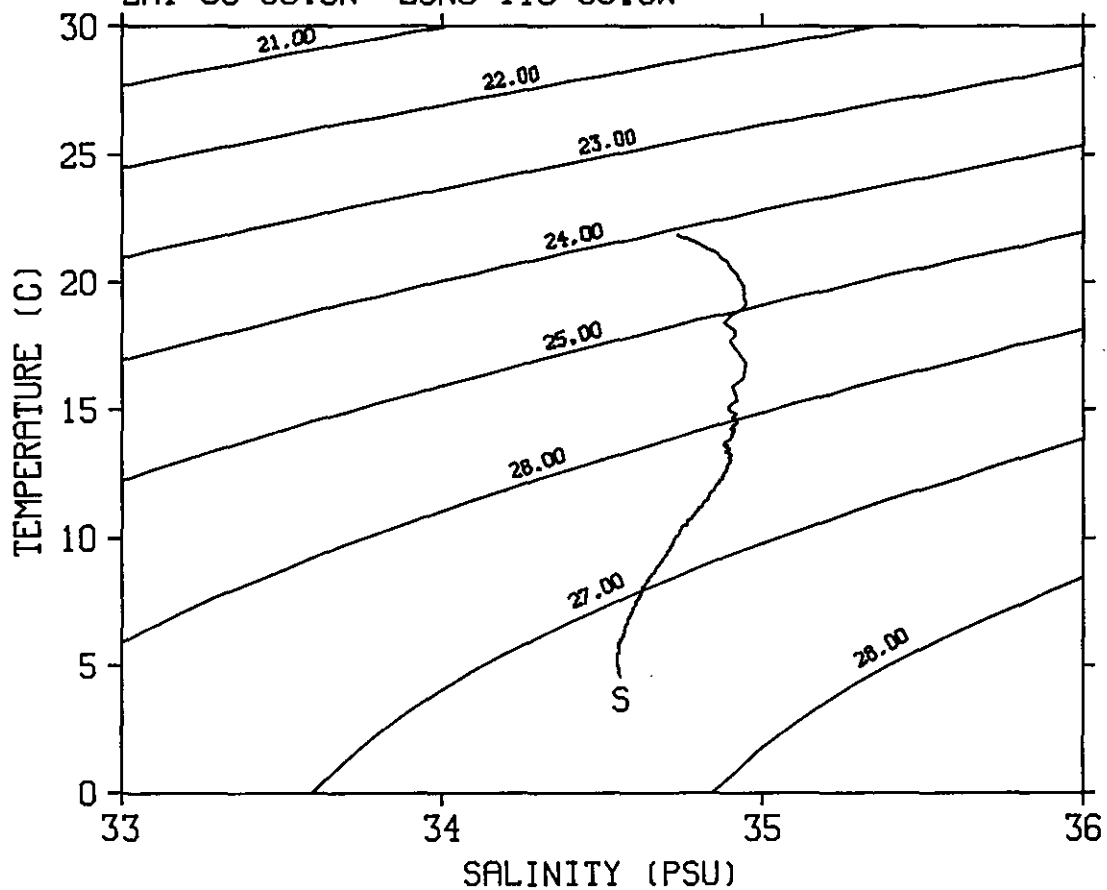


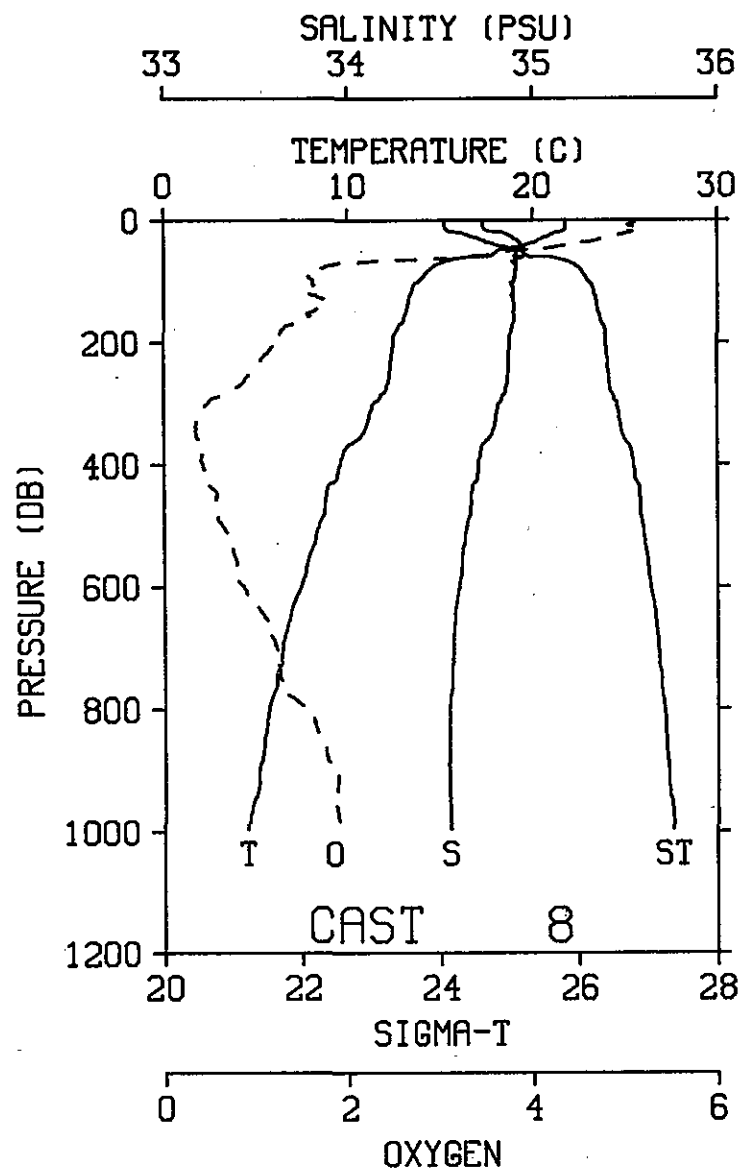


CAST EP3-85-RS-007 DATE 30 SEP 85 TIME 1122 GMT
 LAT 01 00.0N LONG 110 00.0W WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 128 T SPD 10 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 21.0 WET 18.0 DEPTH 3763 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXV (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.191	34.619	5.16	23.876	0.000
10.	22.191	34.619	5.01	23.876	0.040
20.	22.142	34.631	5.13	23.899	0.080
30.	20.980	34.870	5.03	24.401	0.118
40.	20.298	34.917	4.80	24.621	0.152
50.	19.833	34.937	4.47	24.759	0.185
60.	19.146	34.932	4.26	24.933	0.216
70.	18.345	34.887	3.72	25.101	0.246
80.	14.929	34.848	2.28	25.871	0.271
90.	14.434	34.932	1.69	26.043	0.291
100.	14.253	34.934	1.58	26.084	0.311
110.	14.090	34.938	1.52	26.121	0.330
120.	13.932	34.933	1.51	26.150	0.349
130.	13.762	34.930	1.69	26.183	0.368
140.	13.638	34.930	1.67	26.209	0.386
150.	13.465	34.920	1.64	26.237	0.405
160.	13.267	34.918	1.61	26.276	0.423
170.	13.258	34.917	1.60	26.277	0.440
180.	13.225	34.912	1.54	26.280	0.458
190.	12.917	34.895	1.50	26.329	0.476
200.	12.779	34.895	1.46	26.356	0.493
250.	12.304	34.870	1.09	26.430	0.577
300.	12.125	34.862	0.80	26.458	0.659
350.	11.036	34.792	0.40	26.608	0.739
400.	9.716	34.720	0.44	26.782	0.808
450.	9.641	34.716	0.46	26.791	0.875
500.	8.891	34.671	0.57	26.878	0.940
550.	8.315	34.642	0.71	26.946	1.002
600.	7.835	34.621	0.81	27.001	1.061
650.	7.148	34.590	0.98	27.075	1.117
700.	6.616	34.573	1.16	27.135	1.169
750.	6.189	34.565	1.25	27.185	1.219
800.	5.669	34.550	1.54	27.239	1.267
850.	5.378	34.548	1.62	27.273	1.312
900.	5.050	34.548	1.78	27.312	1.355
950.	4.770	34.551	1.87	27.346	1.397
1000.	4.580	34.555	1.88	27.370	1.438

CAST EP3-85-RS-008 DATE 30 SEP 85 TIME 1453 GMT
LAT 00 30.0N LONG 110 00.0W

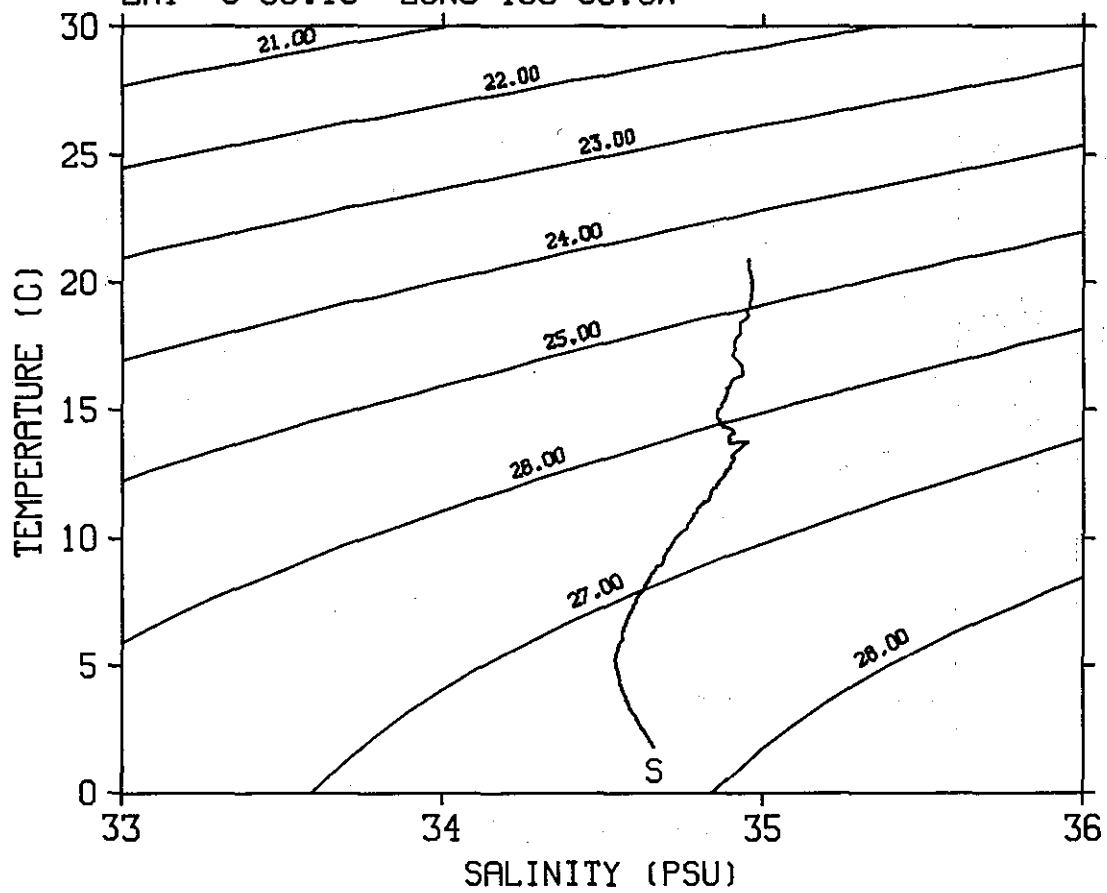


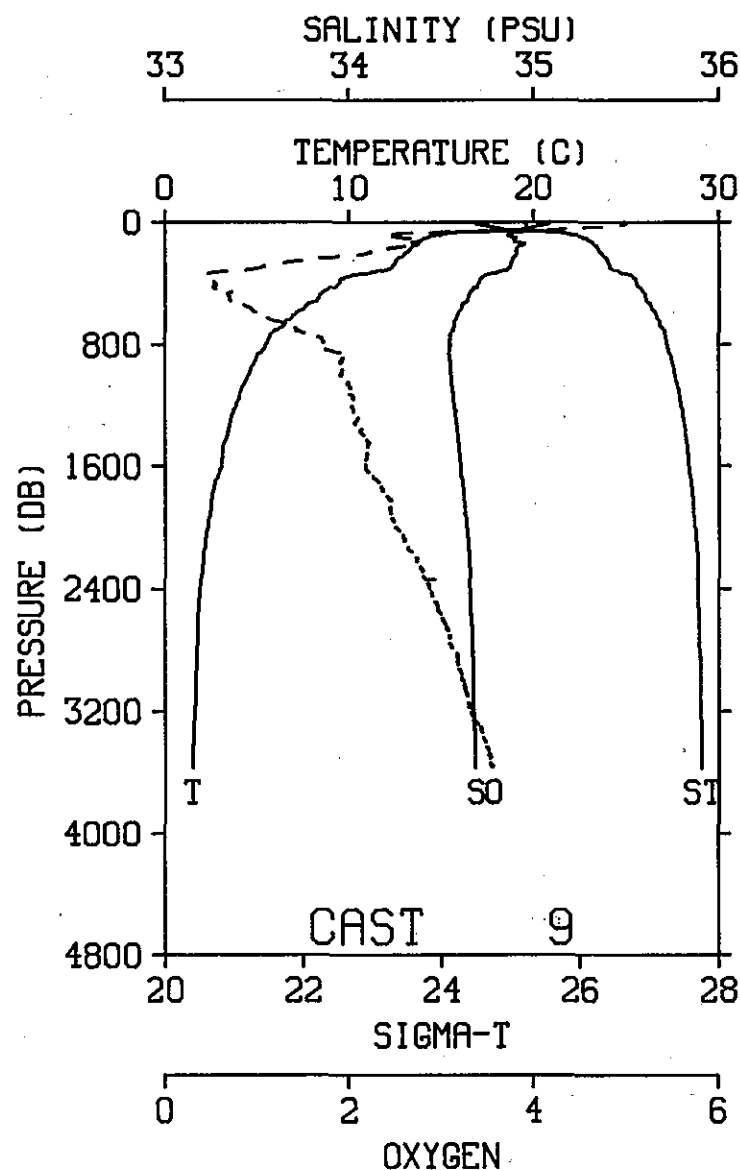


CAST EP3-85-RS-008 DATE 30 SEP 85 TIME 1453 GMT
 LAT 00 30.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 110 T SPD 10 KT VISIBILITY 7
 CLOUD 6 AMOUNT 4 DRY 22.0 WET 18.0 DEPTH 3777 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.795	34.733	5.12	24.074	0.000
10.	21.798	34.733	5.04	24.073	0.038
20.	21.481	34.799	5.08	24.211	0.076
30.	20.528	34.903	4.80	24.548	0.112
40.	19.730	34.937	4.50	24.786	0.144
50.	18.111	34.916	3.82	25.181	0.174
60.	17.559	34.909	3.30	25.311	0.202
70.	15.004	34.895	2.06	25.891	0.225
80.	14.456	34.917	1.70	26.027	0.245
90.	14.145	34.909	1.63	26.087	0.265
100.	13.841	34.900	1.63	26.144	0.284
110.	13.500	34.895	1.65	26.211	0.302
120.	13.420	34.893	1.58	26.225	0.321
130.	13.299	34.897	1.75	26.254	0.339
140.	13.252	34.901	1.70	26.266	0.356
150.	13.149	34.896	1.60	26.283	0.374
160.	13.041	34.900	1.53	26.307	0.392
170.	12.797	34.888	1.42	26.347	0.409
180.	12.634	34.887	1.27	26.379	0.426
190.	12.510	34.880	1.29	26.397	0.443
200.	12.478	34.878	1.22	26.403	0.459
250.	12.280	34.870	0.95	26.435	0.542
300.	11.384	34.816	0.48	26.562	0.623
350.	10.791	34.778	0.36	26.640	0.698
400.	9.571	34.710	0.43	26.799	0.766
450.	8.816	34.670	0.58	26.889	0.831
500.	8.453	34.646	0.64	26.927	0.892
550.	7.883	34.620	0.78	26.993	0.951
600.	7.461	34.602	0.86	27.041	1.007
650.	6.846	34.580	1.10	27.109	1.061
700.	6.455	34.568	1.22	27.152	1.112
750.	6.110	34.563	1.27	27.194	1.161
800.	5.660	34.549	1.57	27.239	1.208
850.	5.409	34.547	1.71	27.268	1.254
900.	5.121	34.545	1.87	27.301	1.298
950.	4.816	34.549	1.88	27.339	1.341
997.	4.563	34.556	1.85	27.373	1.379

CAST EP3-85-RS-009 DATE 01 OCT 85 TIME 0612 GMT
LAT 0 00.1S LONG 109 59.8W

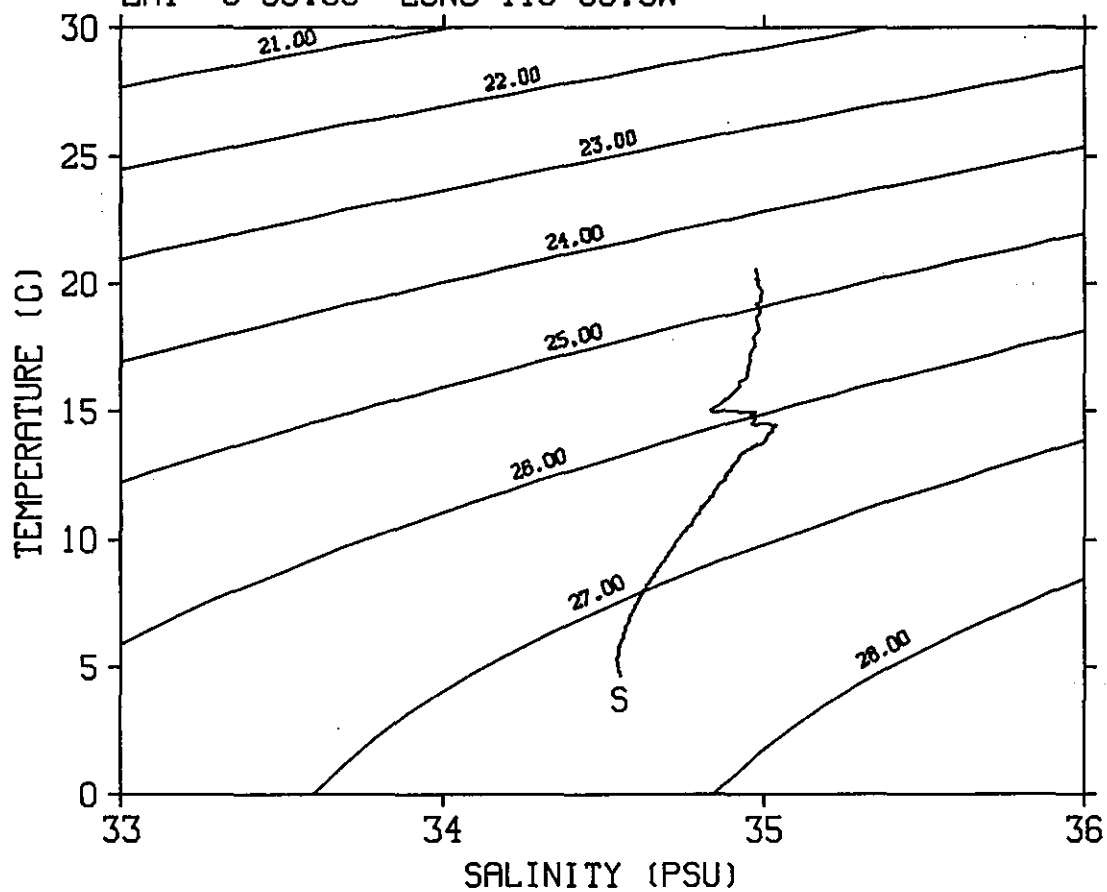


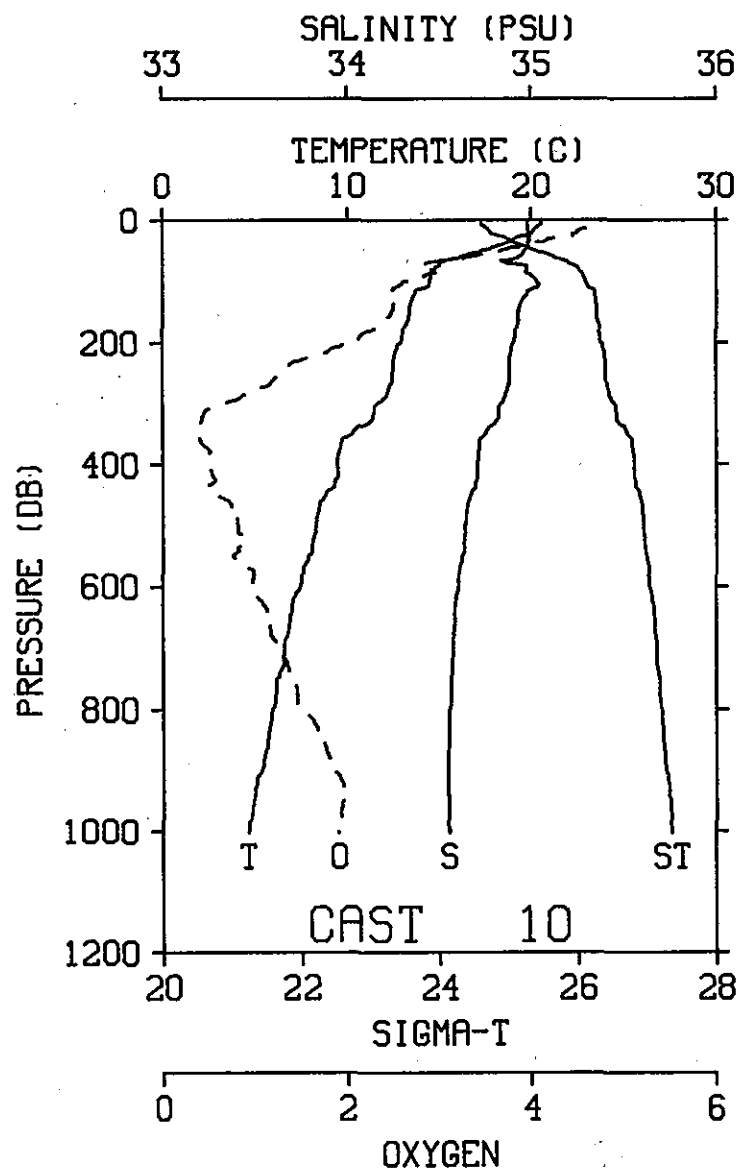


CAST EP3-85-RS-009 DATE 01 OCT 85 TIME 0612 GMT
 LAT. 0 00.1S LONG 109 59.8W WEATHER 1 SEA STATE 4
 BAROMETER 15 WIND DIR 090 T SPD 09 KT VISIBILITY 7
 CLOUD 6 AMOUNT 1 DRY 20.7 WET 18.0 DEPTH 3789 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	20.890	34.953	4.98	24.489	0.000
10.	20.857	34.953	4.98	24.499	0.034
20.	20.567	34.955	4.97	24.578	0.068
30.	20.131	34.964	4.79	24.701	0.101
40.	19.754	34.967	4.55	24.802	0.133
50.	19.375	34.964	4.30	24.898	0.164
60.	17.980	34.930	4.05	25.224	0.194
70.	15.815	34.887	3.05	25.703	0.219
80.	15.211	34.872	2.48	25.827	0.241
90.	14.648	34.859	2.37	25.941	0.263
100.	14.328	34.876	2.57	26.023	0.283
110.	14.034	34.899	2.76	26.103	0.302
120.	13.899	34.894	2.76	26.127	0.322
130.	13.713	34.897	2.74	26.168	0.340
140.	13.755	34.937	2.70	26.190	0.359
150.	13.710	34.949	2.72	26.209	0.378
160.	13.399	34.918	2.55	26.249	0.396
170.	13.352	34.912	2.45	26.254	0.414
180.	13.298	34.908	2.35	26.262	0.432
190.	13.205	34.902	2.23	26.277	0.450
200.	13.078	34.909	2.23	26.307	0.467
250.	12.534	34.883	1.52	26.395	0.553
300.	12.219	34.867	1.01	26.444	0.637
350.	10.002	34.733	0.44	26.743	0.713
400.	9.393	34.701	0.54	26.821	0.779
450.	8.646	34.659	0.72	26.908	0.842
500.	8.286	34.641	0.70	26.949	0.902
550.	7.614	34.609	0.89	27.024	0.959
600.	7.051	34.588	1.01	27.087	1.013
650.	6.503	34.569	1.24	27.147	1.065
700.	6.161	34.562	1.43	27.186	1.115
750.	5.682	34.548	1.66	27.236	1.161
800.	5.467	34.548	1.76	27.262	1.207
850.	5.236	34.543	1.88	27.286	1.251
900.	4.931	34.548	1.92	27.325	1.293
950.	4.693	34.551	1.94	27.354	1.335
1000.	4.552	34.554	1.90	27.372	1.375
1500.	3.156	34.597	2.20	27.549	1.726
2000.	2.319	34.637	2.51	27.655	2.014
2500.	1.862	34.660	2.96	27.710	2.261
3000.	1.692	34.671	3.22	27.732	2.493
3500.	1.515	34.684	3.53	27.755	2.719
3576.	1.496	34.686	3.57	27.758	2.752

CAST EP3-85-RS-010 DATE 01 OCT 85 TIME 1042 GMT
LAT 0 30.0S LONG 110 00.0W

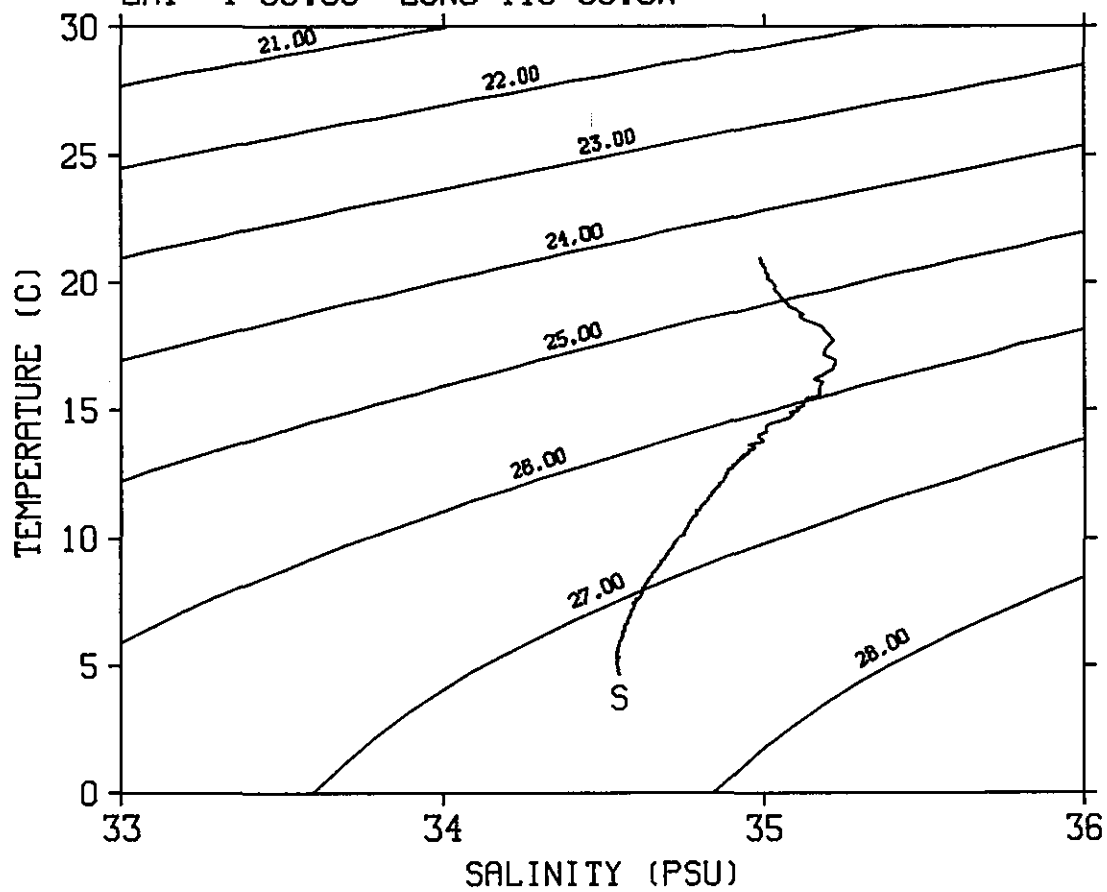




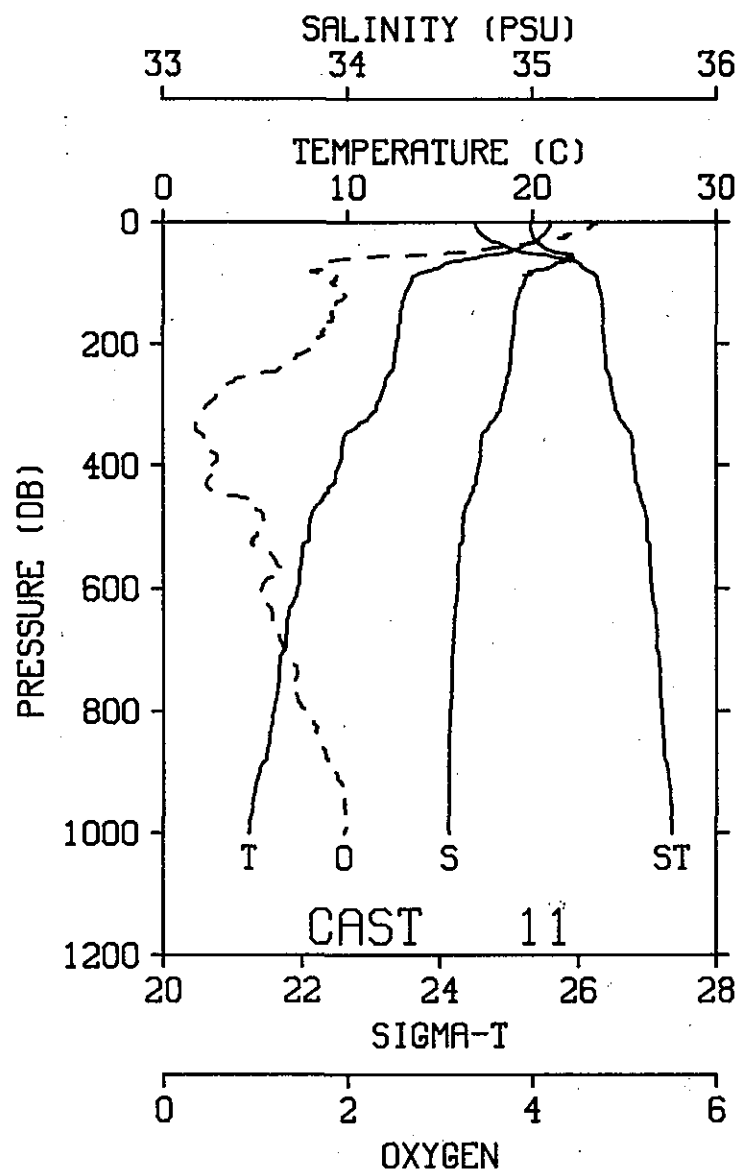
CAST EP3-85-RS-010 DATE 01 OCT 85 TIME 1042 GMT
 LAT 0 30.0S LONG 110 00.0W WEATHER 2 SEA STATE 2
 BAROMETER 13 WIND DIR 090 T SPD 08 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 20.5 WET 18.0 DEPTH 3810 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	20.533	34.975	4.94	24.602	0.000
10.	20.424	34.978	4.63	24.633	0.033
20.	20.047	34.986	4.49	24.740	0.066
30.	19.173	34.978	4.28	24.961	0.097
40.	18.460	34.979	3.95	25.142	0.126
50.	17.452	34.965	3.69	25.380	0.153
60.	16.199	34.937	3.34	25.654	0.178
70.	14.975	34.859	2.87	25.869	0.200
80.	14.732	34.974	2.96	26.011	0.221
90.	14.498	34.995	2.85	26.078	0.241
100.	14.444	35.026	2.61	26.114	0.260
110.	14.294	35.028	2.52	26.147	0.279
120.	13.644	34.973	2.46	26.241	0.297
130.	13.495	34.950	2.47	26.254	0.315
140.	13.369	34.933	2.50	26.267	0.333
150.	13.327	34.927	2.46	26.271	0.351
160.	13.288	34.923	2.42	26.276	0.369
170.	13.163	34.922	2.35	26.300	0.386
180.	13.030	34.913	2.26	26.320	0.404
190.	13.002	34.911	2.13	26.324	0.421
200.	12.888	34.902	2.01	26.340	0.438
250.	12.462	34.879	1.26	26.406	0.523
300.	11.602	34.833	0.67	26.535	0.605
350.	10.247	34.748	0.39	26.713	0.680
400.	9.456	34.706	0.51	26.814	0.746
450.	8.779	34.668	0.57	26.894	0.810
500.	8.266	34.640	0.81	26.951	0.870
550.	7.857	34.621	0.76	26.998	0.929
600.	7.441	34.602	0.97	27.044	0.985
650.	6.858	34.581	1.16	27.108	1.038
700.	6.587	34.572	1.27	27.138	1.090
750.	6.153	34.561	1.40	27.186	1.140
800.	5.896	34.552	1.49	27.212	1.189
850.	5.669	34.547	1.73	27.236	1.236
900.	5.332	34.543	1.86	27.274	1.281
950.	4.877	34.547	1.94	27.331	1.324
1000.	4.655	34.553	1.90	27.360	1.365
1003.	4.633	34.553	1.90	27.363	1.368

CAST EP3-85-RS-011 DATE 01 OCT 85 TIME 1401 GMT
LAT 1 00.0S LONG 110 00.0W

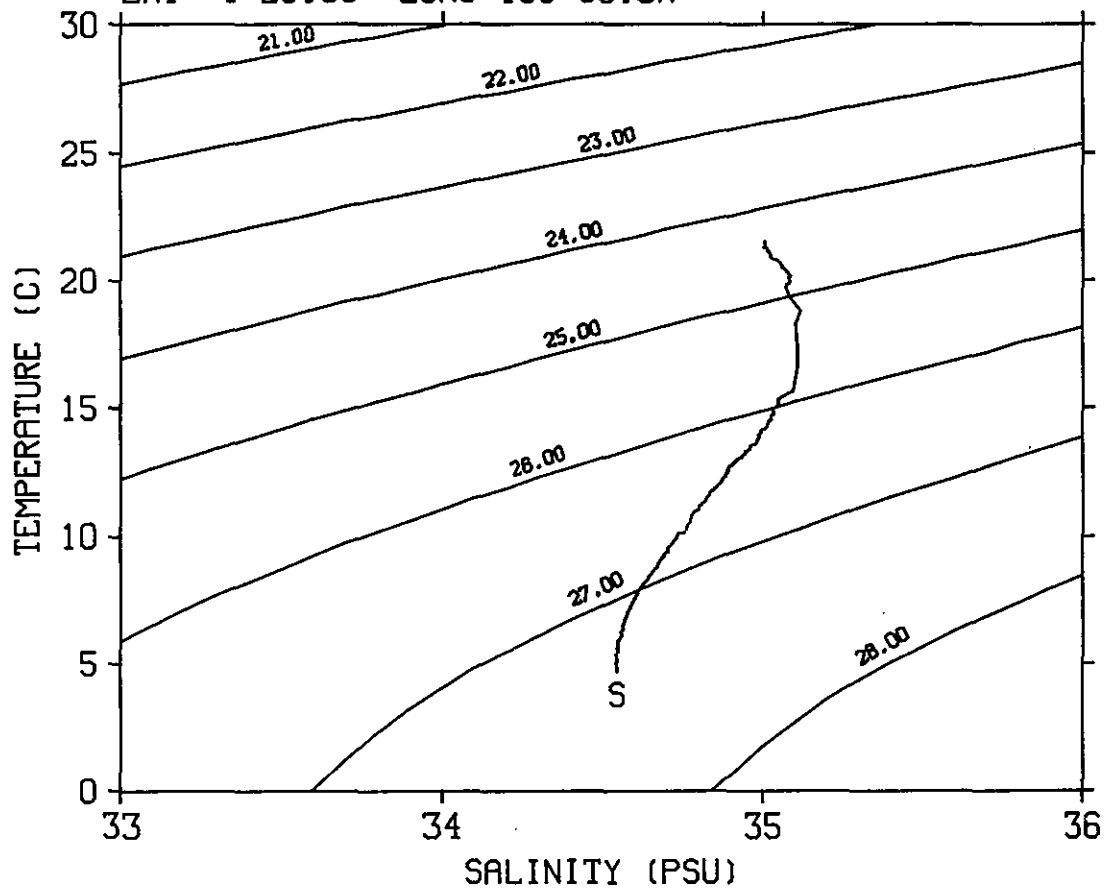


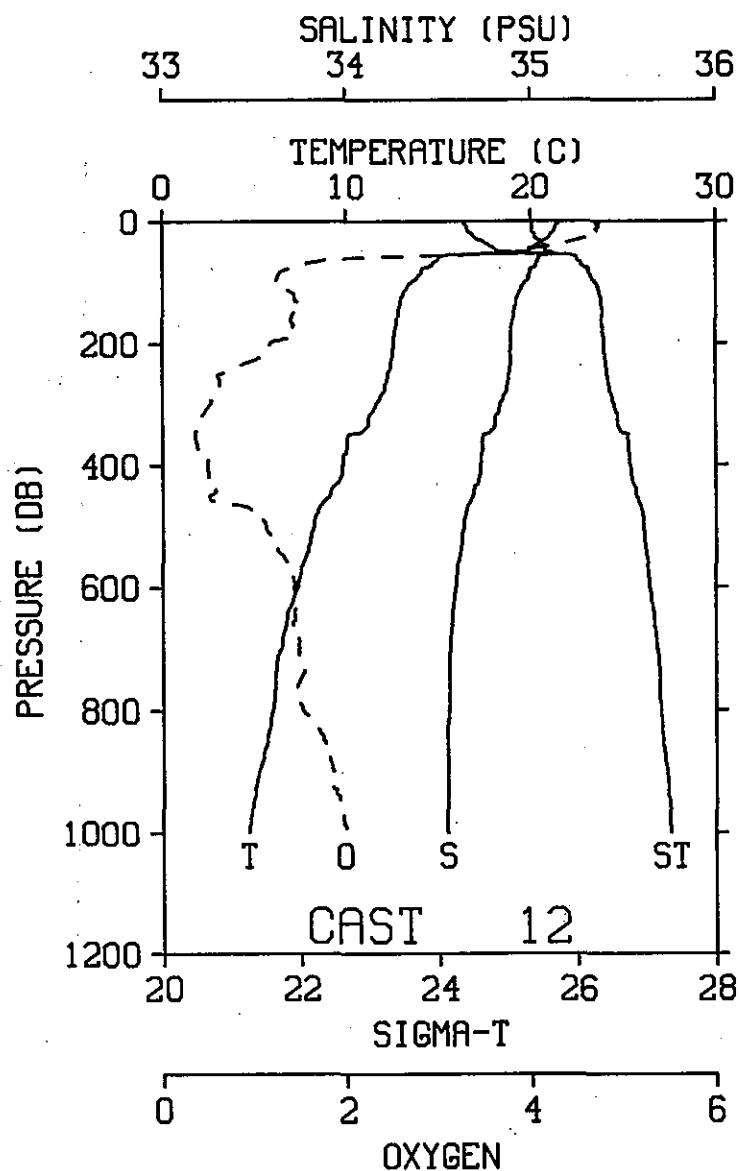
CAST EP3-85-RS-011 DATE 01 OCT 85 TIME 1401 GMT
 LAT 1 00.0S LONG 110 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 080 T SPD 07 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 20.7 WET 18.1 DEPTH 3917 M



PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	20.939	34.990	4.70	24.504	0.000
10.	20.880	34.988	4.62	24.518	0.034
20.	20.651	34.998	4.46	24.588	0.068
30.	20.205	35.012	4.23	24.718	0.101
40.	19.437	35.052	3.72	24.950	0.132
50.	18.662	35.114	3.24	25.195	0.161
60.	16.612	35.212	2.10	25.770	0.186
70.	15.124	35.115	1.81	26.034	0.206
80.	14.305	35.005	1.62	26.127	0.226
90.	13.498	34.968	1.87	26.267	0.244
100.	13.375	34.954	1.83	26.282	0.262
110.	13.217	34.929	1.94	26.295	0.279
120.	13.070	34.924	1.97	26.320	0.296
130.	12.948	34.915	1.88	26.338	0.314
140.	12.903	34.910	1.82	26.343	0.331
150.	12.817	34.903	1.81	26.355	0.348
160.	12.805	34.902	1.83	26.357	0.365
170.	12.772	34.899	1.77	26.361	0.382
180.	12.767	34.899	1.73	26.362	0.399
190.	12.730	34.898	1.68	26.368	0.416
200.	12.650	34.891	1.63	26.379	0.433
250.	12.251	34.873	0.96	26.443	0.516
300.	11.573	34.830	0.48	26.538	0.596
350.	9.853	34.728	0.43	26.765	0.670
400.	9.504	34.711	0.51	26.810	0.736
450.	8.691	34.661	0.79	26.902	0.800
500.	7.899	34.621	1.04	26.992	0.858
550.	7.479	34.600	1.19	27.036	0.915
600.	7.256	34.596	1.06	27.065	0.969
650.	6.707	34.577	1.18	27.126	1.022
700.	6.512	34.568	1.31	27.145	1.073
750.	6.223	34.564	1.42	27.179	1.122
800.	5.942	34.554	1.52	27.208	1.171
850.	5.708	34.549	1.69	27.233	1.218
900.	5.181	34.545	1.87	27.294	1.264
950.	4.820	34.548	1.96	27.338	1.306
1000.	4.636	34.551	1.97	27.361	1.347
1002.	4.634	34.551	1.96	27.361	1.349

CAST EP3-85-RS-012 DATE 01 OCT 85 TIME 1747 GMT
LAT 1 28.5S LONG 109 59.5W

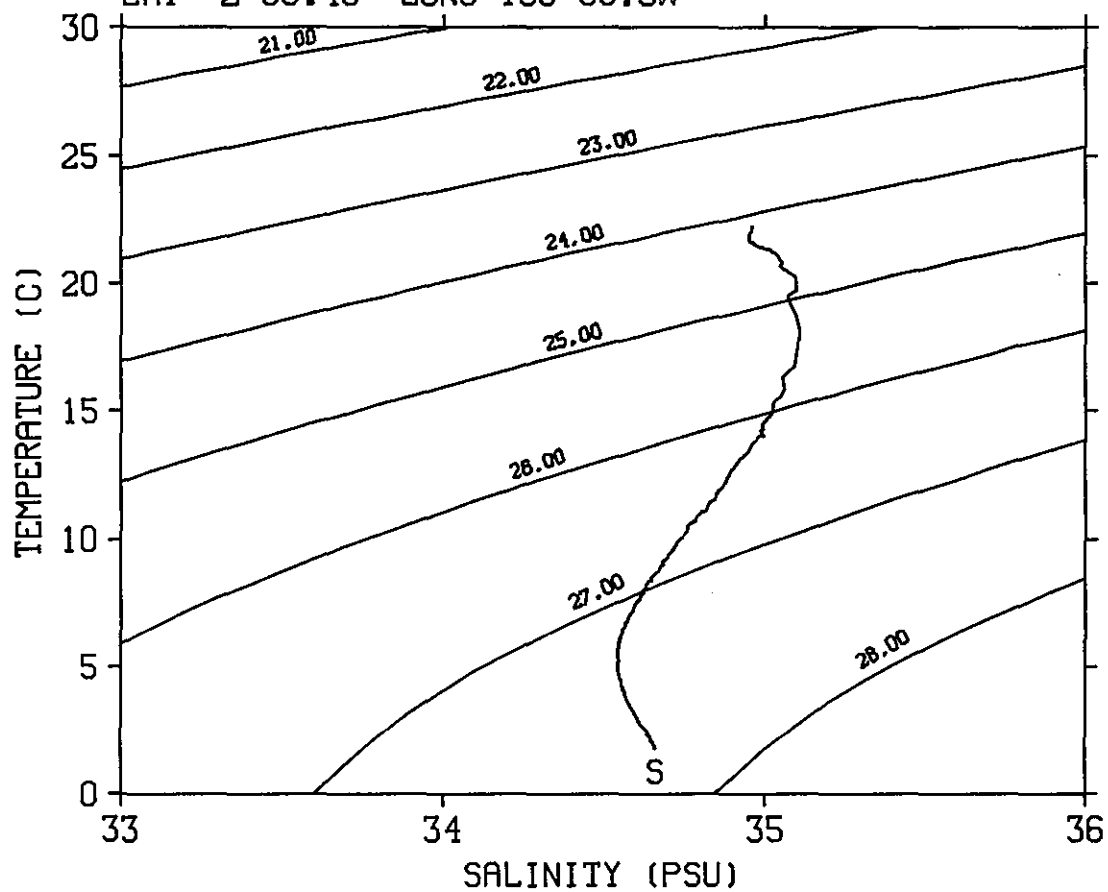


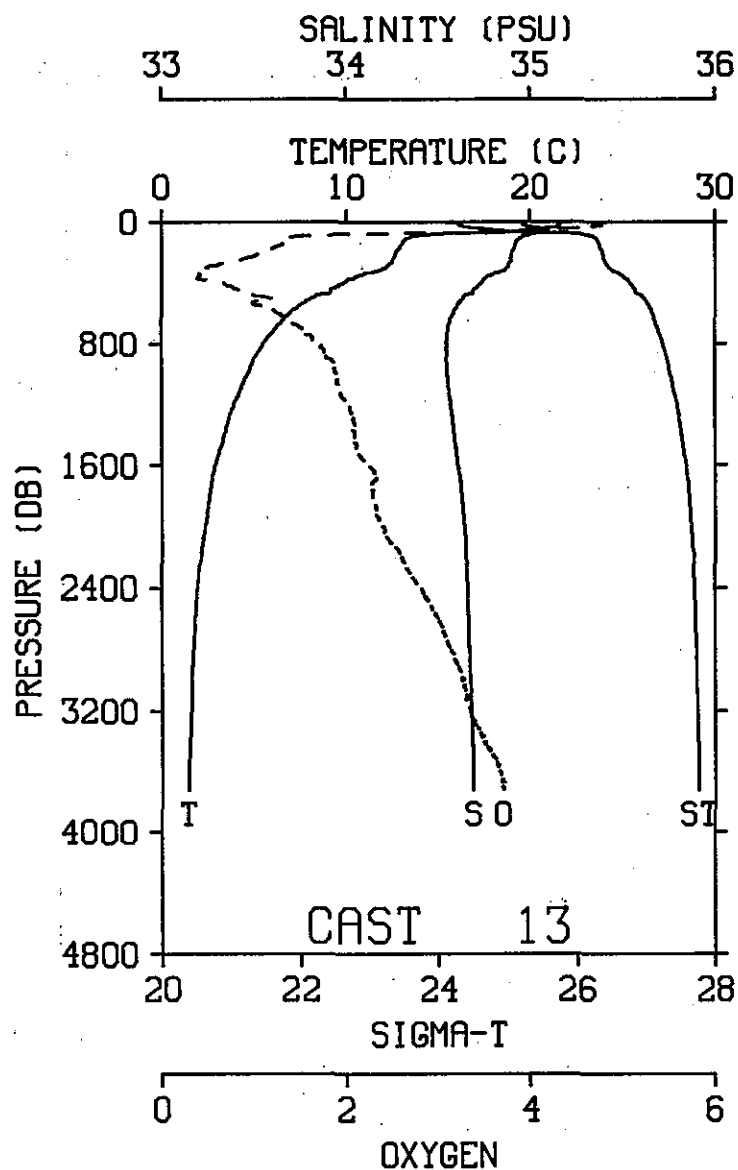


CAST EP3-85-RS-012 DATE 01 OCT 85 TIME 1747 GMT
 LAT 1 28.5S LONG 109 59.5W WEATHER 2 SEA STATE 2
 BAROMETER 14 WIND DIR 075 T SPD 06 KT VISIBILITY 7
 CLOUD 6 AMOUNT 7 DRY 21.5 WET 19.5 DEPTH 3896 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.478	35.004	4.74	24.368	0.000
10.	21.311	35.004	4.73	24.413	0.035
20.	21.150	35.012	4.69	24.463	0.070
30.	20.821	35.032	4.53	24.568	0.105
40.	20.300	35.074	4.21	24.740	0.137
50.	19.784	35.071	3.87	24.874	0.169
60.	15.032	35.040	2.14	25.996	0.193
70.	14.692	35.028	1.55	26.061	0.213
80.	14.078	34.997	1.33	26.169	0.232
90.	13.877	34.989	1.25	26.205	0.250
100.	13.549	34.969	1.26	26.258	0.268
110.	13.259	34.947	1.37	26.300	0.286
120.	13.057	34.930	1.44	26.328	0.303
130.	12.929	34.918	1.44	26.344	0.320
140.	12.849	34.912	1.44	26.356	0.337
150.	12.782	34.905	1.44	26.363	0.354
160.	12.756	34.903	1.40	26.367	0.371
170.	12.717	34.897	1.43	26.370	0.388
180.	12.659	34.893	1.45	26.379	0.405
190.	12.590	34.892	1.40	26.392	0.422
200.	12.582	34.893	1.18	26.394	0.438
250.	12.268	34.879	0.61	26.444	0.521
300.	11.583	34.834	0.52	26.539	0.602
350.	10.074	34.741	0.36	26.738	0.677
400.	9.781	34.725	0.49	26.775	0.745
450.	9.067	34.684	0.51	26.861	0.811
500.	8.197	34.633	1.13	26.956	0.871
550.	7.742	34.609	1.32	27.005	0.929
600.	7.357	34.593	1.42	27.048	0.985
650.	6.746	34.572	1.44	27.117	1.038
700.	6.464	34.564	1.49	27.148	1.089
750.	6.090	34.559	1.49	27.193	1.138
800.	5.938	34.553	1.52	27.207	1.186
850.	5.640	34.546	1.77	27.239	1.233
900.	5.198	34.546	1.85	27.292	1.278
950.	4.884	34.546	1.92	27.328	1.321
1000.	4.674	34.549	1.98	27.355	1.362

CAST EP3-85-RS-013 DATE 01 OCT 85 TIME 2154 GMT
LAT 2 00.4S LONG 109 59.5W

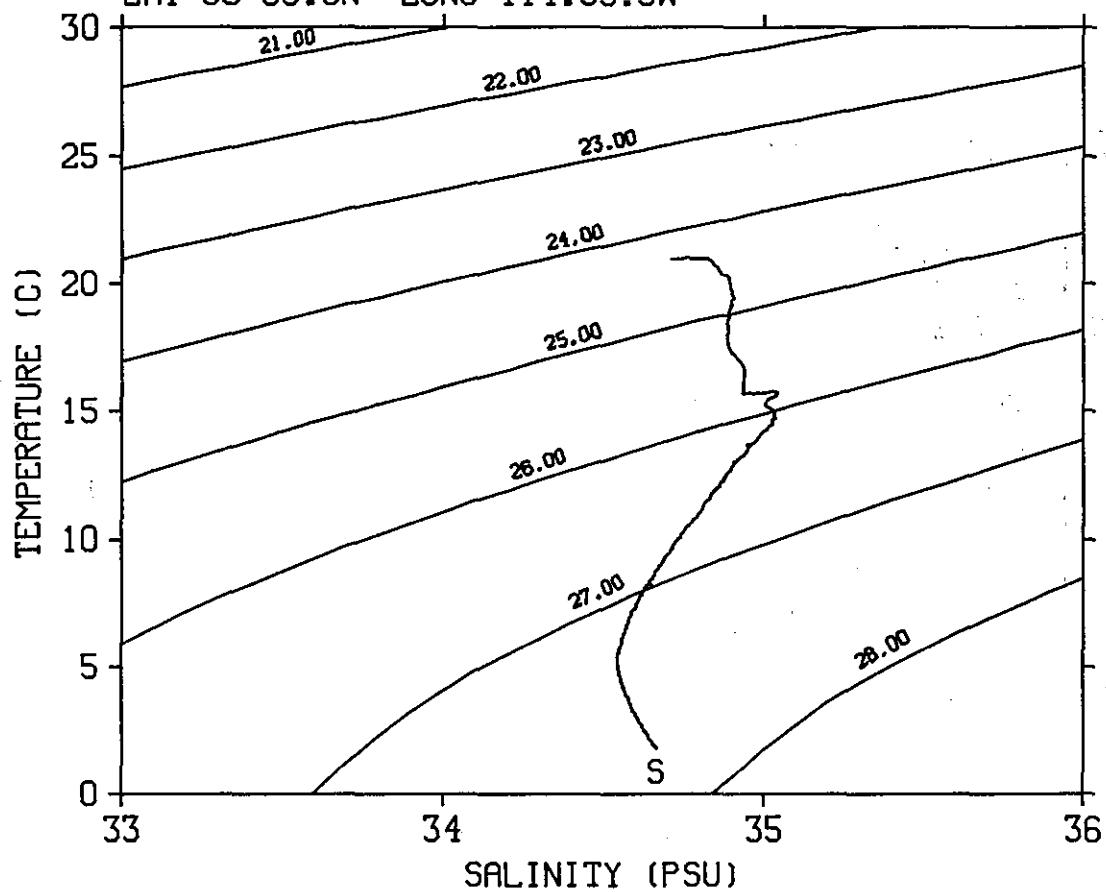


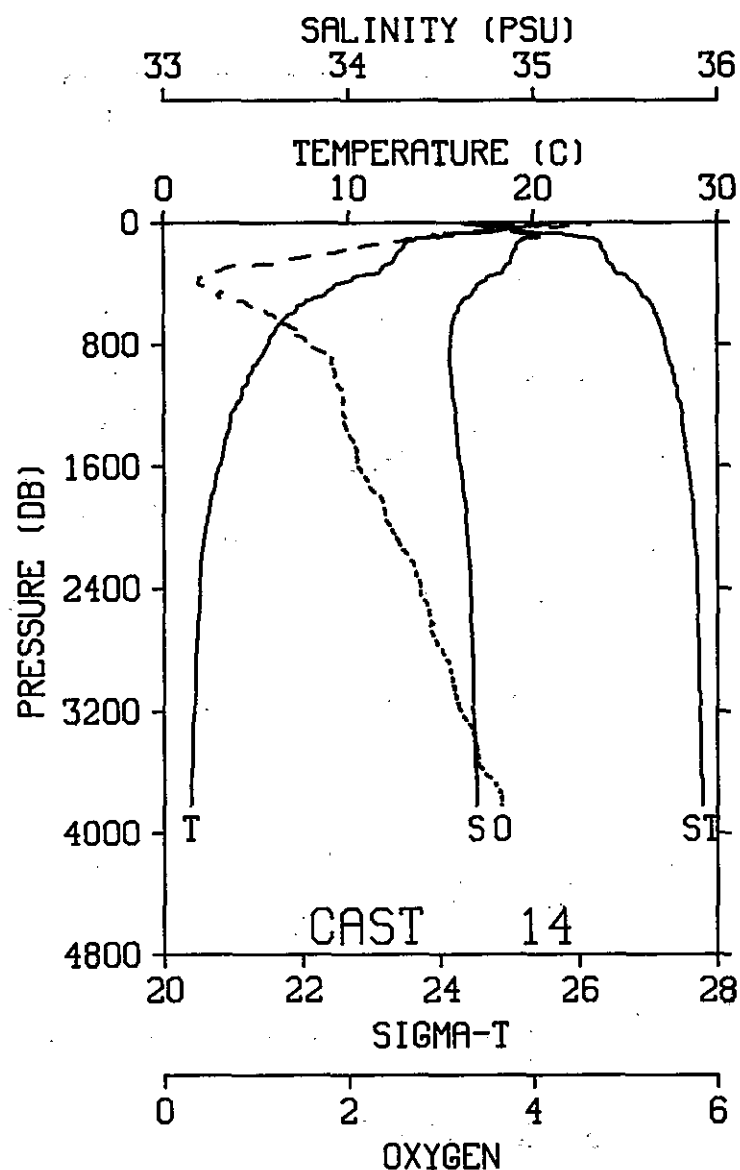


CAST EP3-85-RS-013 DATE 01 OCT 85 TIME 2154 GMT
 LAT 2 00.45 LONG 109 59.5W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 120 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 22.5 WET 19.5 DEPTH 3940 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.220	34.960	4.94	24.127	0.000
10.	21.653	34.952	4.79	24.280	0.037
20.	21.601	34.958	4.73	24.298	0.074
30.	21.428	34.982	4.67	24.364	0.110
40.	21.169	35.031	4.53	24.473	0.145
50.	20.512	35.062	4.22	24.674	0.178
60.	19.679	35.098	3.85	24.922	0.210
70.	18.740	35.096	3.47	25.161	0.240
80.	14.866	35.023	2.27	26.020	0.263
90.	14.017	34.994	1.66	26.179	0.282
100.	13.534	34.955	1.42	26.250	0.300
110.	13.281	34.941	1.36	26.291	0.318
120.	13.194	34.933	1.34	26.303	0.336
130.	13.097	34.923	1.36	26.314	0.353
140.	13.045	34.920	1.32	26.322	0.370
150.	12.987	34.917	1.30	26.332	0.388
160.	12.951	34.915	1.27	26.337	0.405
170.	12.920	34.913	1.22	26.342	0.422
180.	12.848	34.910	1.19	26.354	0.439
190.	12.758	34.902	1.14	26.366	0.456
200.	12.701	34.899	1.12	26.375	0.473
250.	12.538	34.892	0.86	26.402	0.557
300.	12.165	34.876	0.47	26.462	0.640
350.	10.662	34.788	0.42	26.672	0.718
400.	9.830	34.732	0.67	26.772	0.788
450.	9.148	34.691	0.85	26.852	0.853
500.	8.112	34.633	1.19	26.969	0.915
550.	7.436	34.601	1.08	27.043	0.971
600.	6.972	34.580	1.25	27.092	1.024
650.	6.557	34.567	1.38	27.138	1.076
700.	6.180	34.556	1.53	27.179	1.125
750.	5.816	34.549	1.63	27.220	1.173
800.	5.512	34.546	1.71	27.255	1.219
850.	5.286	34.547	1.76	27.283	1.264
900.	4.977	34.545	1.81	27.318	1.307
950.	4.821	34.548	1.83	27.338	1.349
1000.	4.666	34.550	1.90	27.357	1.390
1500.	3.124	34.598	2.11	27.553	1.747
2000.	2.321	34.641	2.40	27.658	2.032
2500.	1.844	34.663	2.91	27.714	2.280
3000.	1.613	34.674	3.26	27.740	2.509
3500.	1.475	34.688	3.60	27.761	2.730
3728.	1.449	34.690	3.70	27.765	2.829

CAST EP3-85-RS-014 DATE 03 OCT 85 TIME 0552 GMT
LAT 00 00.0N LONG 114.59.9W

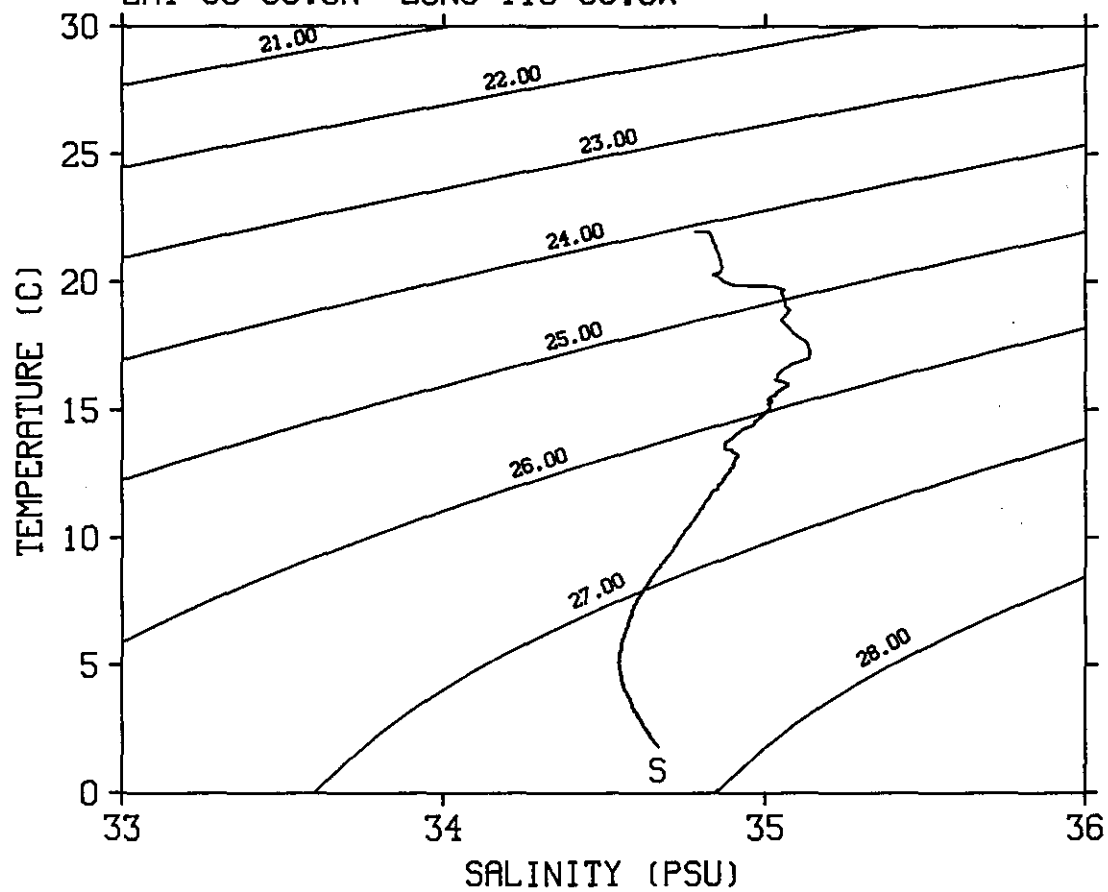


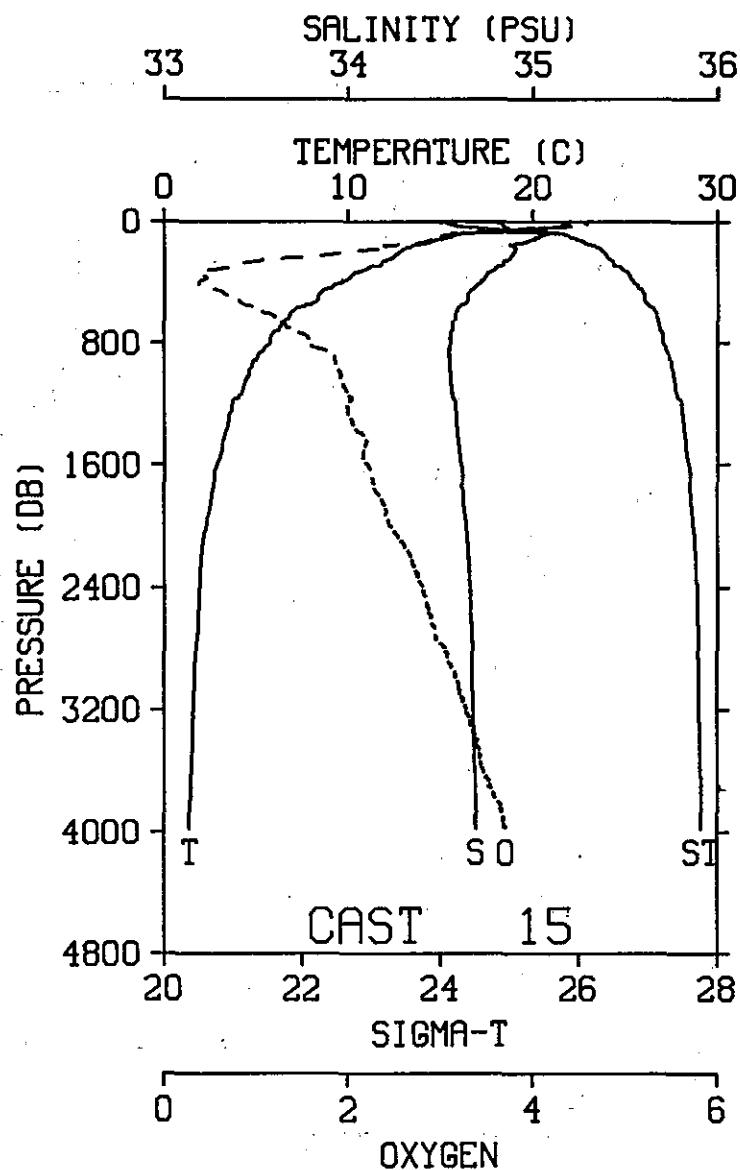


CAST EP3-85-RS-014 DATE 03 OCT 85 TIME 0552 GMT
 LAT 00 00.0N LONG 114.59.9W WEATHER 0 SEA STATE 4
 BAROMETER 15 WIND DIR 110 T SPD 12 KT VISIBILITY 7
 CLOUD X AMOUNT 0 DRY 20.5 WET 19.0 DEPTH 4040 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	20.959	34.714	5.00	24.288	0.000
10.	20.957	34.816	4.61	24.367	0.036
20.	20.382	34.864	4.58	24.558	0.071
30.	19.613	34.905	4.32	24.791	0.104
40.	19.124	34.896	3.82	24.911	0.135
50.	18.653	34.893	3.64	25.029	0.165
60.	18.139	34.891	3.48	25.155	0.194
70.	17.321	34.898	3.24	25.360	0.221
80.	15.687	34.944	2.94	25.776	0.245
90.	15.432	35.010	2.99	25.884	0.267
100.	14.725	35.038	2.88	26.062	0.287
110.	13.658	34.953	2.72	26.223	0.306
120.	13.494	34.951	2.60	26.255	0.325
130.	13.201	34.931	2.47	26.300	0.342
140.	13.106	34.919	2.38	26.310	0.360
150.	13.036	34.915	2.26	26.320	0.377
160.	12.990	34.909	2.16	26.325	0.394
170.	12.972	34.907	2.09	26.327	0.412
180.	12.938	34.911	2.07	26.337	0.429
190.	12.785	34.898	1.95	26.357	0.446
200.	12.690	34.895	1.89	26.374	0.463
250.	12.461	34.881	1.32	26.408	0.547
300.	11.825	34.843	0.66	26.501	0.629
350.	10.503	34.768	0.42	26.684	0.706
400.	9.426	34.709	0.36	26.821	0.775
450.	8.901	34.677	0.58	26.881	0.839
500.	8.004	34.628	0.71	26.981	0.900
550.	7.204	34.594	0.95	27.071	0.955
600.	6.744	34.578	1.17	27.122	1.008
650.	6.378	34.568	1.25	27.163	1.058
700.	6.073	34.562	1.44	27.197	1.106
750.	5.762	34.554	1.50	27.230	1.154
800.	5.650	34.554	1.56	27.244	1.200
850.	5.405	34.548	1.72	27.269	1.245
900.	5.153	34.548	1.83	27.299	1.289
950.	4.810	34.552	1.85	27.342	1.331
1000.	4.602	34.556	1.86	27.368	1.372
1500.	3.224	34.597	2.09	27.542	1.727
2000.	2.273	34.642	2.45	27.663	2.014
2500.	1.862	34.664	2.83	27.713	2.259
3000.	1.688	34.675	3.13	27.735	2.491
3500.	1.531	34.686	3.41	27.756	2.715
3819.	1.430	34.693	3.66	27.769	2.853

CAST EP3-85-RS-015 DATE 04 OCT 85 TIME 0551 GMT
LAT 00 00.5N LONG 119 59.6W

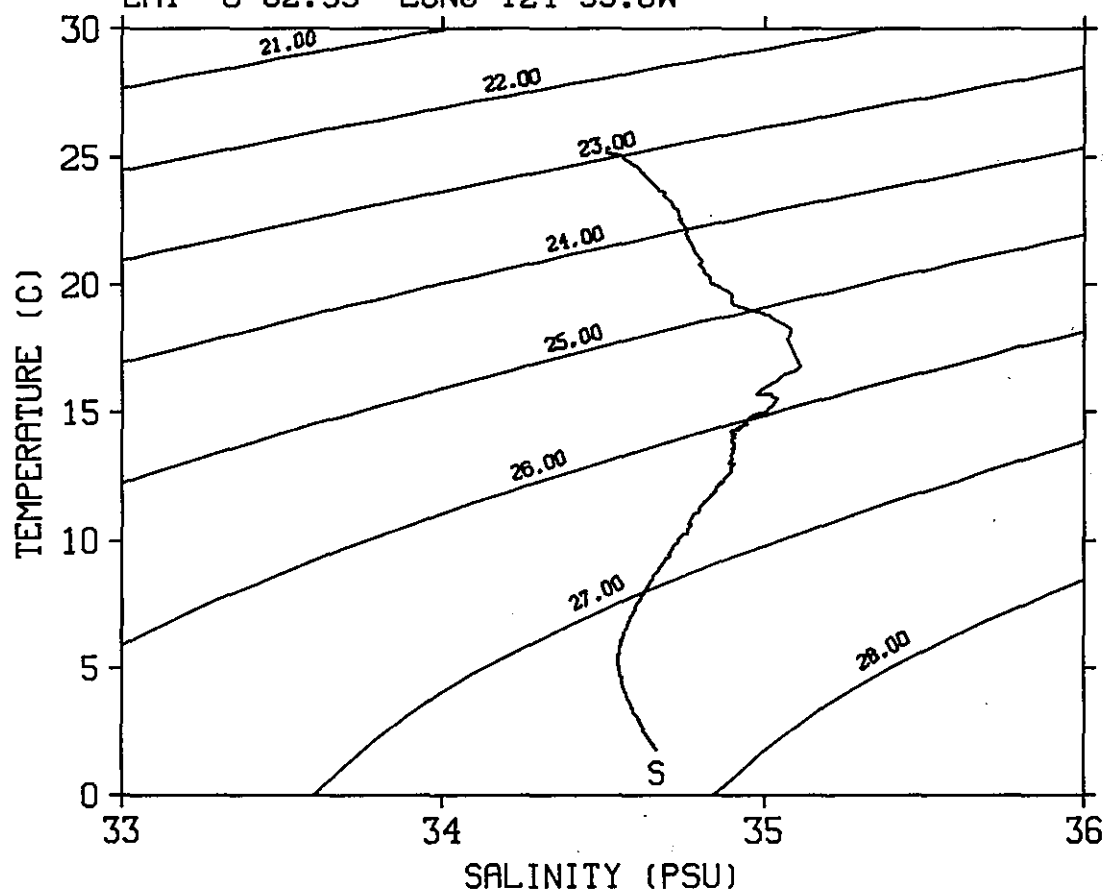


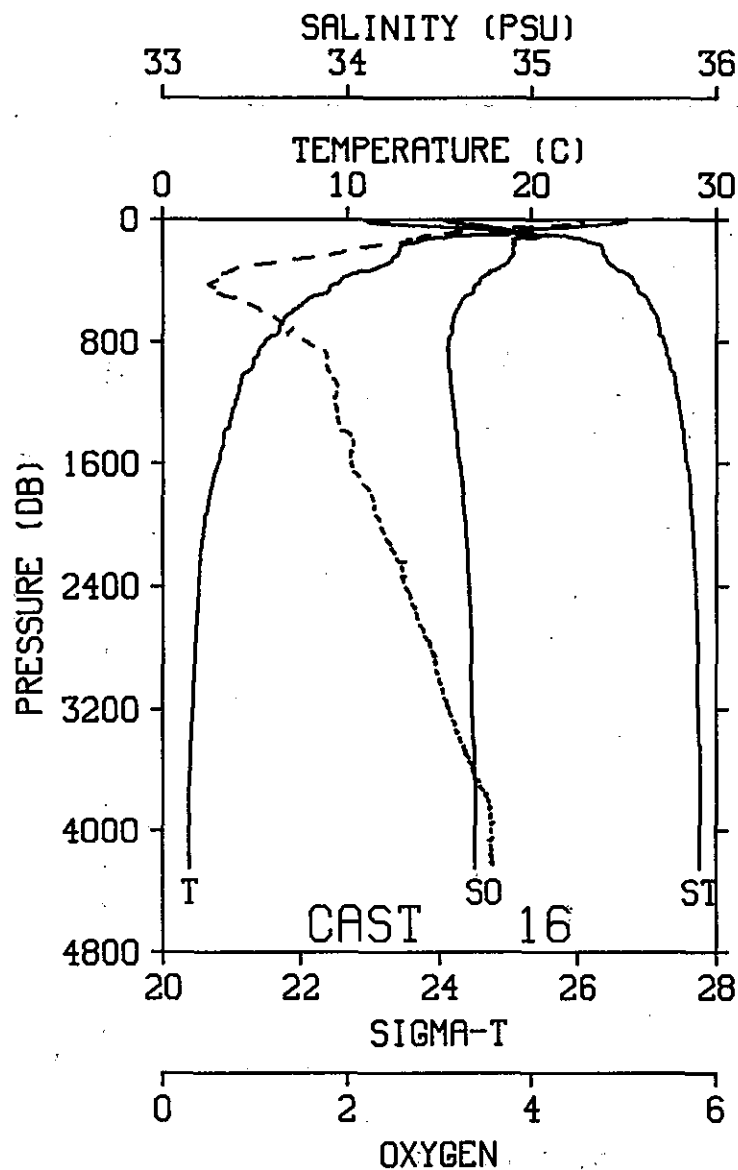


CAST EP3-85-RS-015 DATE 04 OCT 85 TIME 0551 GMT
 LAT 00 00.5N LONG 119 59.6W WEATHER 1 SEA STATE 4
 BAROMETER 15 WIND DIR 105 T SPD 09 KT VISIBILITY 7
 CLOUD 6 AMOUNT 1 DRY 21.4 WET 20.0 DEPTH 4182 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.962	34.785	4.56	24.066	0.000
10.	21.951	34.807	4.59	24.087	0.038
20.	21.826	34.829	4.58	24.138	0.076
30.	21.563	34.837	4.48	24.217	0.114
40.	21.033	34.855	4.28	24.376	0.150
50.	20.023	34.870	3.87	24.658	0.184
60.	19.718	35.048	3.62	24.873	0.216
70.	18.488	35.049	3.44	25.189	0.245
80.	16.369	35.039	3.22	25.694	0.271
90.	15.858	35.058	3.11	25.825	0.293
100.	15.671	35.032	3.03	25.848	0.315
110.	15.360	35.018	2.97	25.907	0.336
120.	15.001	35.010	2.89	25.980	0.357
130.	14.639	34.980	2.90	26.036	0.377
140.	14.384	34.959	2.82	26.075	0.397
150.	13.976	34.903	2.69	26.118	0.417
160.	13.468	34.873	2.42	26.200	0.436
170.	13.343	34.897	2.44	26.244	0.454
180.	13.096	34.905	2.37	26.301	0.472
190.	12.925	34.901	2.21	26.332	0.489
200.	12.800	34.902	2.07	26.357	0.506
250.	12.220	34.869	1.18	26.445	0.590
300.	11.111	34.801	0.76	26.601	0.669
350.	10.204	34.749	0.40	26.722	0.741
400.	9.677	34.720	0.38	26.788	0.809
450.	8.657	34.662	0.56	26.908	0.873
500.	8.330	34.646	0.74	26.946	0.933
550.	7.634	34.609	0.87	27.021	0.992
600.	6.846	34.582	1.08	27.111	1.046
650.	6.607	34.575	1.23	27.138	1.097
700.	6.257	34.566	1.35	27.177	1.146
750.	5.856	34.555	1.53	27.220	1.194
800.	5.785	34.556	1.57	27.229	1.241
850.	5.418	34.548	1.75	27.268	1.286
900.	5.079	34.549	1.85	27.309	1.330
950.	4.778	34.553	1.85	27.346	1.372
1000.	4.596	34.555	1.92	27.369	1.412
1500.	3.145	34.600	2.16	27.553	1.762
2000.	2.314	34.640	2.45	27.658	2.048
2500.	1.894	34.663	2.83	27.710	2.294
3000.	1.658	34.676	3.17	27.738	2.527
3500.	1.539	34.685	3.42	27.754	2.751
3975.	1.429	34.693	3.69	27.769	2.957

CAST EP3-85-RS-016 DATE 05 OCT 85 TIME 0603 GMT
LAT 0 02.3S LONG 124 35.0W

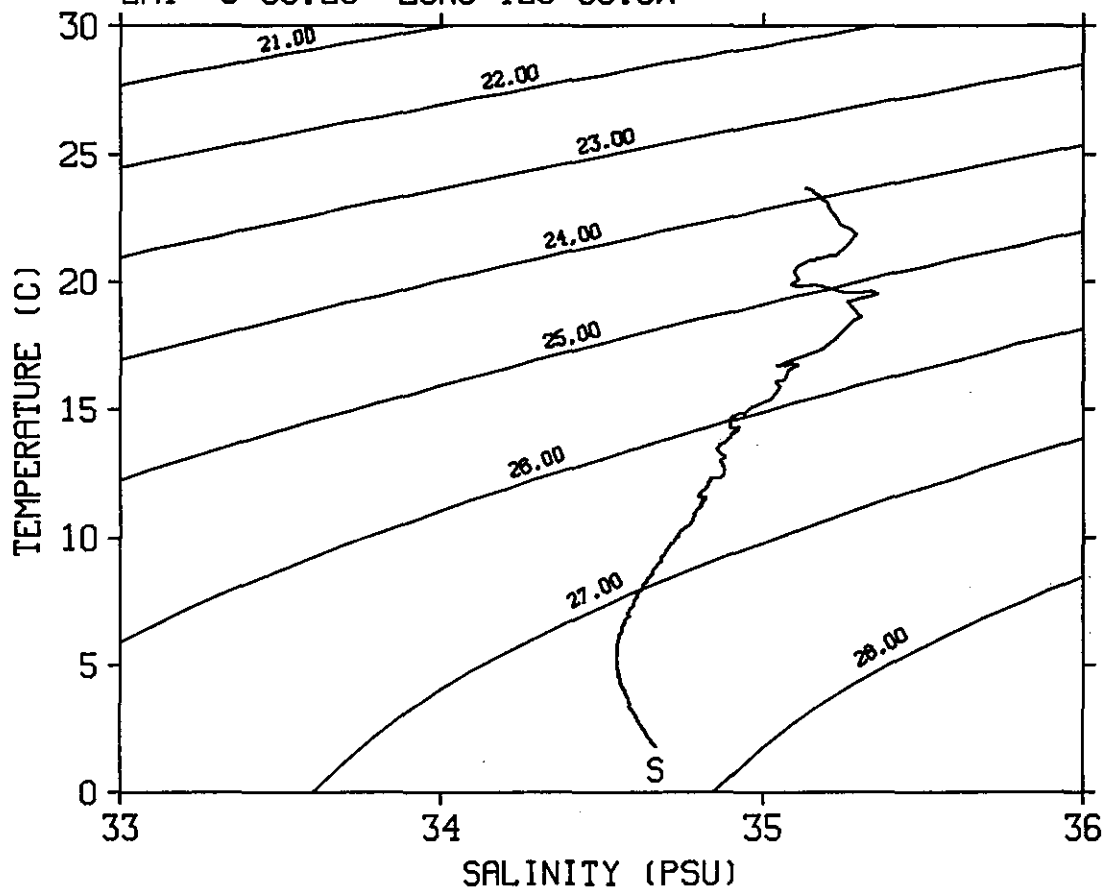


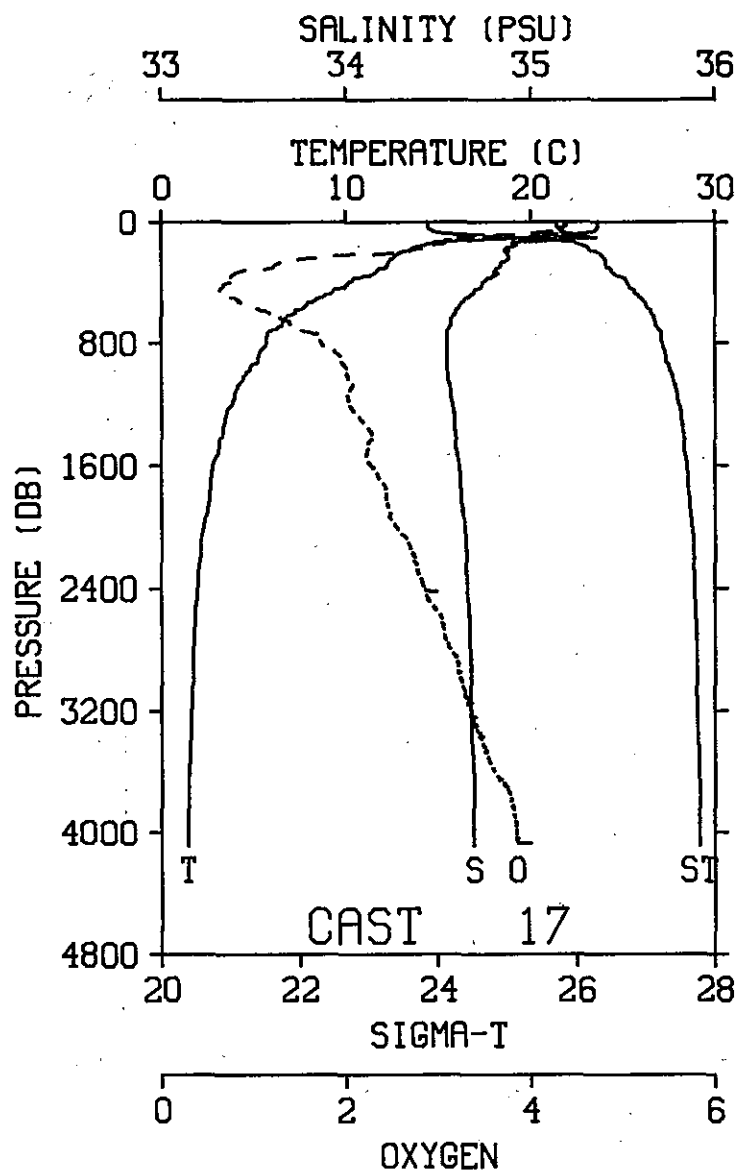


CAST EP3-85-RS-016 DATE 05 OCT 85 TIME 0603 GMT
 LAT 0 02.3S LONG 124 35.0W WEATHER 1 SEA STATE 5
 BAROMETER 14 WIND DIR 120 T SPD 17 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 DRY 23.0 WET 20.2 DEPTH 4735 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.146	34.513	4.49	22.931	0.000
10.	25.117	34.532	4.53	22.954	0.049
20.	25.041	34.554	4.55	22.993	0.098
30.	24.343	34.626	4.48	23.258	0.146
40.	23.211	34.713	4.27	23.657	0.190
50.	22.029	34.758	3.98	24.027	0.231
60.	20.574	34.815	3.67	24.469	0.268
70.	19.900	34.860	3.30	24.682	0.301
80.	19.324	34.900	3.26	24.863	0.334
90.	19.009	34.953	3.13	24.984	0.364
100.	18.390	35.062	3.02	25.224	0.393
110.	15.695	35.006	2.85	25.822	0.417
120.	15.043	35.005	2.77	25.967	0.438
130.	14.331	34.919	2.66	26.055	0.459
140.	14.002	34.908	2.63	26.117	0.478
150.	13.656	34.910	2.60	26.190	0.497
160.	13.193	34.900	2.48	26.277	0.515
170.	12.978	34.910	2.32	26.329	0.533
180.	12.840	34.897	2.18	26.346	0.550
190.	12.823	34.898	2.00	26.350	0.567
200.	12.815	34.900	1.97	26.353	0.584
250.	12.464	34.882	1.62	26.408	0.669
300.	11.887	34.848	0.96	26.493	0.752
350.	10.505	34.769	0.65	26.685	0.828
400.	9.616	34.716	0.58	26.795	0.896
450.	9.024	34.683	0.58	26.866	0.960
500.	8.085	34.634	0.71	26.974	1.022
550.	7.552	34.608	0.93	27.032	1.079
600.	6.990	34.586	1.08	27.094	1.132
650.	6.525	34.571	1.24	27.146	1.184
700.	6.314	34.564	1.40	27.168	1.233
750.	6.234	34.566	1.35	27.180	1.283
800.	5.559	34.551	1.57	27.253	1.329
850.	5.248	34.548	1.74	27.288	1.374
900.	5.134	34.549	1.78	27.302	1.417
950.	4.912	34.551	1.78	27.330	1.459
1000.	4.506	34.558	1.82	27.381	1.501
1500.	3.192	34.599	2.08	27.547	1.854
2000.	2.255	34.643	2.37	27.666	2.141
2500.	1.907	34.663	2.70	27.709	2.387
3000.	1.691	34.674	3.00	27.735	2.619
3500.	1.497	34.688	3.30	27.760	2.844
4000.	1.427	34.694	3.57	27.770	3.059
4250.	1.454	34.694	3.58	27.768	3.168

CAST EP3-85-RS-017 DATE 06 OCT 85 TIME 1905 GMT
LAT 0 00.2S LONG 129 58.8W

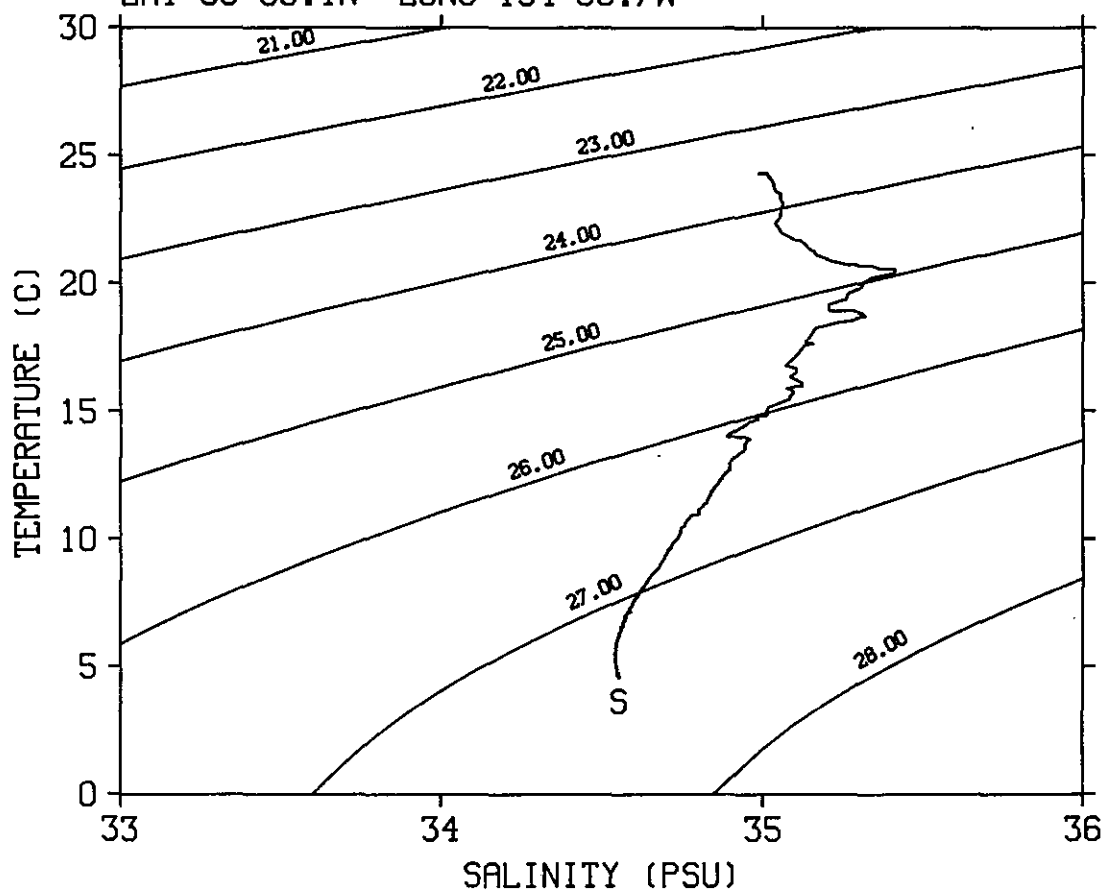


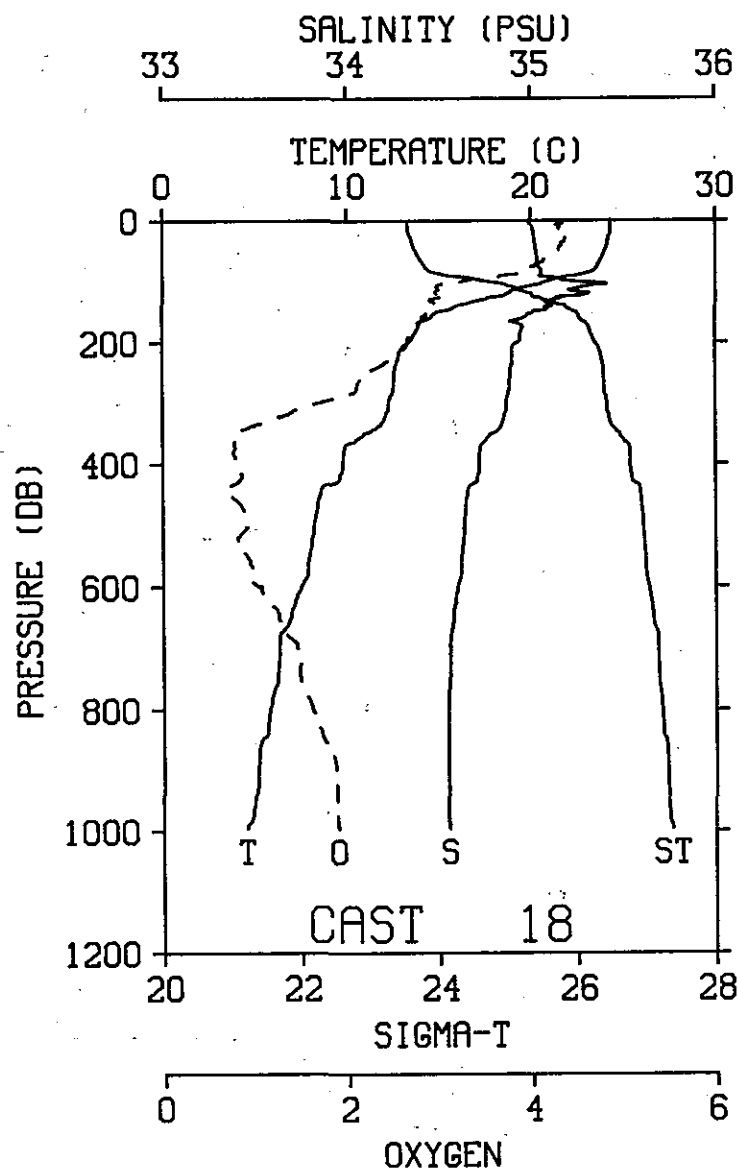


CAST EP3-B5-RS-017 DATE 06 OCT 85 TIME 1905 GMT
 LAT 0 00.2S LONG 129 58.8W WEATHER 1 SEA STATE 3
 BAROMETER 15 WIND DIR 100 T SPD 14 KT VISIBILITY 7
 CLOUD 4 AMOUNT 1 DRY 23.5 WET 21.0 DEPTH 4304 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	23.682	35.135	4.56	23.839	0.000
10.	23.670	35.139	4.38	23.846	0.041
20.	23.638	35.141	4.40	23.857	0.081
30.	23.632	35.143	4.36	23.860	0.121
40.	23.625	35.144	4.36	23.863	0.162
50.	23.578	35.149	4.33	23.881	0.202
60.	23.492	35.159	4.22	23.913	0.242
70.	23.291	35.179	4.18	23.987	0.282
80.	22.938	35.205	4.03	24.108	0.321
90.	21.342	35.261	3.71	24.601	0.358
100.	20.716	35.128	3.36	24.670	0.391
110.	19.476	35.359	3.22	25.174	0.422
120.	16.992	35.097	3.14	25.592	0.448
130.	16.122	35.066	3.15	25.771	0.472
140.	14.844	34.931	3.06	25.954	0.493
150.	14.409	34.898	2.97	26.022	0.514
160.	14.173	34.919	2.93	26.089	0.534
170.	13.834	34.890	2.90	26.138	0.553
180.	13.604	34.868	2.79	26.168	0.572
190.	13.475	34.859	2.72	26.188	0.591
200.	13.066	34.879	2.60	26.287	0.609
250.	12.410	34.875	1.50	26.414	0.695
300.	12.196	34.838	1.21	26.426	0.778
350.	11.419	34.815	0.78	26.555	0.858
400.	10.163	34.739	0.75	26.721	0.931
450.	9.324	34.699	0.63	26.830	0.999
500.	8.726	34.665	0.76	26.899	1.063
550.	7.857	34.618	0.97	26.995	1.122
600.	7.231	34.592	1.16	27.066	1.178
650.	6.695	34.571	1.35	27.123	1.230
700.	6.311	34.562	1.42	27.166	1.280
750.	5.722	34.549	1.69	27.232	1.328
800.	5.679	34.550	1.73	27.238	1.374
850.	5.416	34.546	1.86	27.267	1.420
900.	5.253	34.546	1.94	27.286	1.464
950.	4.862	34.549	1.99	27.334	1.507
1000.	4.569	34.555	2.01	27.371	1.548
1500.	3.110	34.601	2.24	27.557	1.893
2000.	2.261	34.642	2.54	27.664	2.176
2500.	1.852	34.665	2.91	27.715	2.421
3000.	1.686	34.674	3.25	27.734	2.652
3500.	1.519	34.686	3.52	27.757	2.877
4000.	1.425	34.693	3.85	27.769	3.092
4094.	1.431	34.693	3.86	27.769	3.133

CAST EP3-85-RS-018 DATE 07 OCT 85 TIME 2048 GMT.
LAT 00 00.1N LONG 134 59.7W

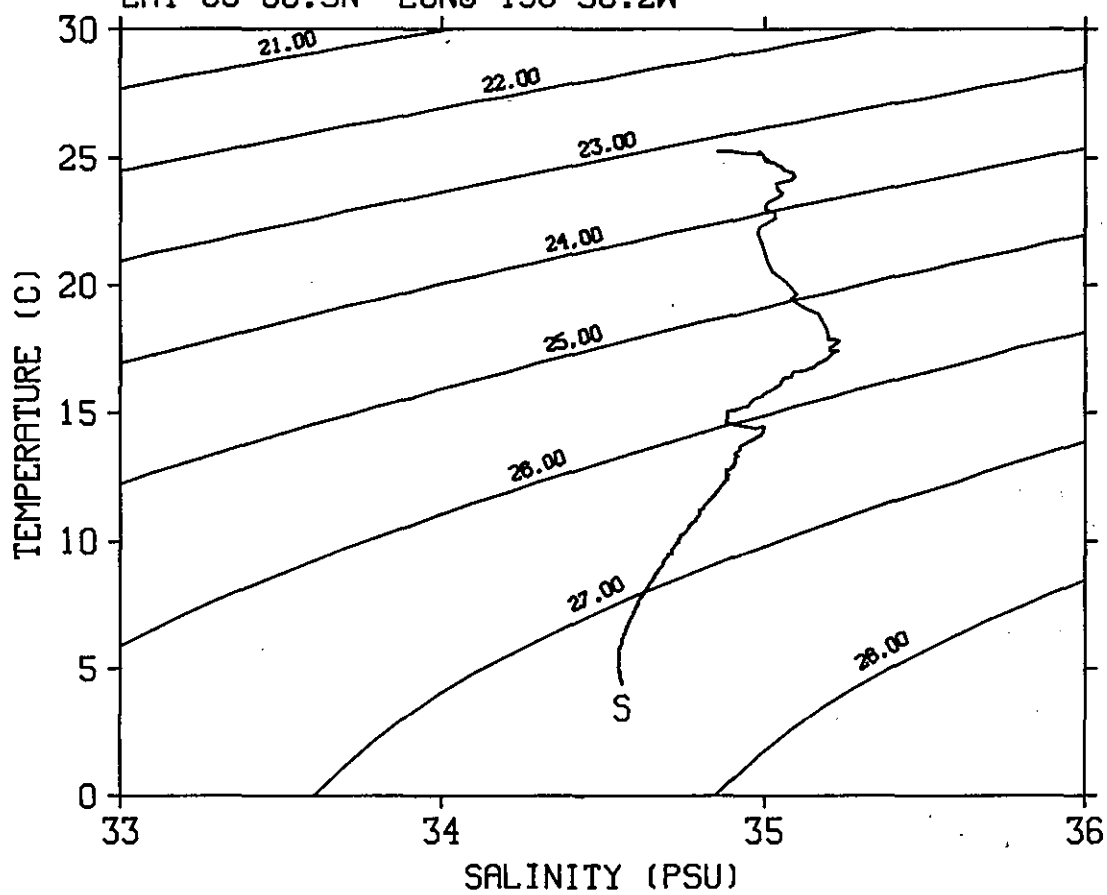




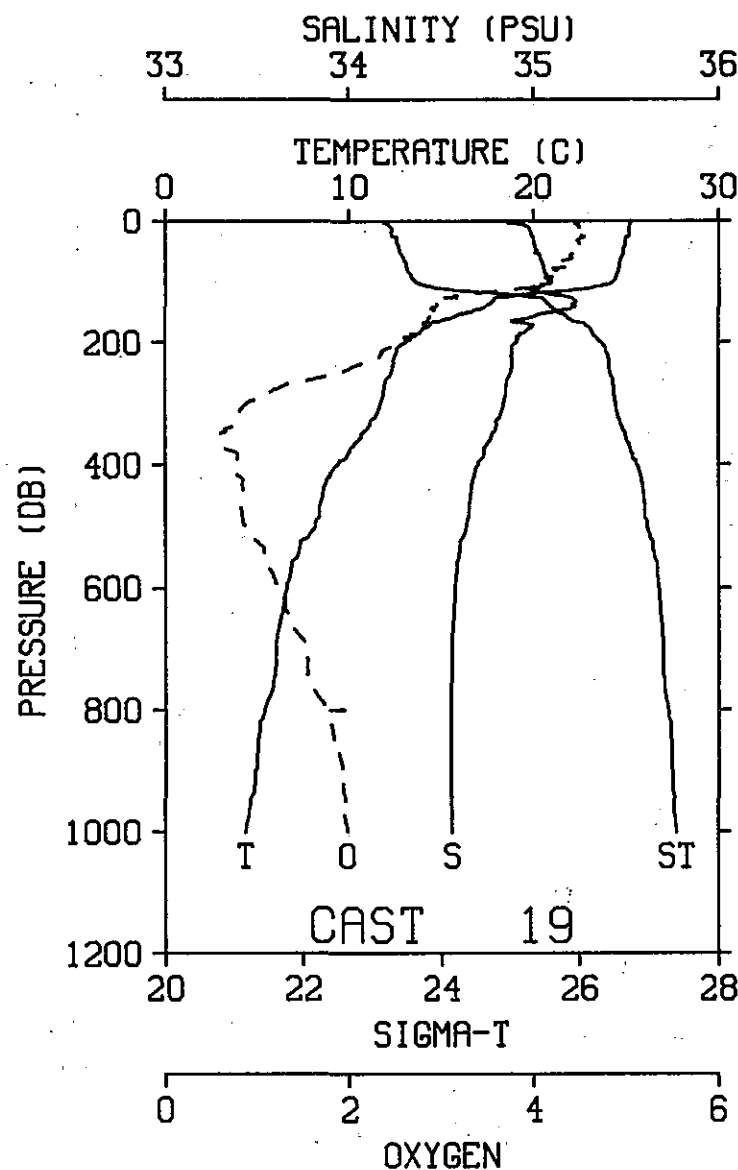
CAST EP3-85-RS-018 DATE 07 OCT 85 TIME 2048 GMT
 LAT 00 00.1N LONG 134 59.7W WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 095 T SPD 15 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 DRY 24.5 WET 21.5 DEPTH 4375 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.309	34.988	4.35	23.542	0.000
10.	24.327	35.006	4.32	23.550	0.043
20.	24.305	35.011	4.32	23.561	0.087
30.	24.183	35.019	4.37	23.603	0.130
40.	24.126	35.022	4.33	23.623	0.173
50.	23.993	35.029	4.29	23.667	0.215
60.	23.856	35.032	4.21	23.710	0.257
70.	23.666	35.037	4.07	23.769	0.299
80.	23.493	35.057	3.93	23.836	0.340
90.	22.552	35.056	3.74	24.106	0.380
100.	20.838	35.220	3.25	24.707	0.415
110.	19.578	35.264	2.97	25.075	0.446
120.	18.704	35.319	2.97	25.341	0.474
130.	17.411	35.122	2.90	25.510	0.500
140.	15.985	35.122	2.91	25.846	0.523
150.	14.954	35.009	2.88	25.990	0.545
160.	14.555	34.957	2.84	26.037	0.565
170.	13.967	34.941	2.76	26.149	0.585
180.	13.807	34.948	2.73	26.188	0.603
190.	13.600	34.945	2.69	26.229	0.622
200.	13.384	34.932	2.66	26.263	0.640
250.	12.582	34.888	2.19	26.390	0.726
300.	12.270	34.868	1.67	26.435	0.810
350.	10.942	34.802	0.79	26.632	0.891
400.	9.774	34.719	0.82	26.771	0.960
450.	8.543	34.654	0.73	26.919	1.025
500.	8.200	34.637	0.91	26.959	1.084
550.	7.927	34.622	0.92	26.988	1.143
600.	7.480	34.600	1.07	27.036	1.200
650.	6.933	34.577	1.26	27.095	1.254
700.	6.278	34.558	1.45	27.168	1.304
750.	6.183	34.557	1.49	27.179	1.353
800.	5.760	34.548	1.62	27.226	1.401
850.	5.322	34.545	1.75	27.277	1.447
900.	5.109	34.546	1.86	27.303	1.491
950.	4.965	34.548	1.88	27.321	1.534
996.	4.540	34.554	1.90	27.374	1.572

CAST EP3-85-RS-019 DATE 09 OCT 85 TIME 0244 GMT
LAT 00 00.5N LONG 138 56.2W

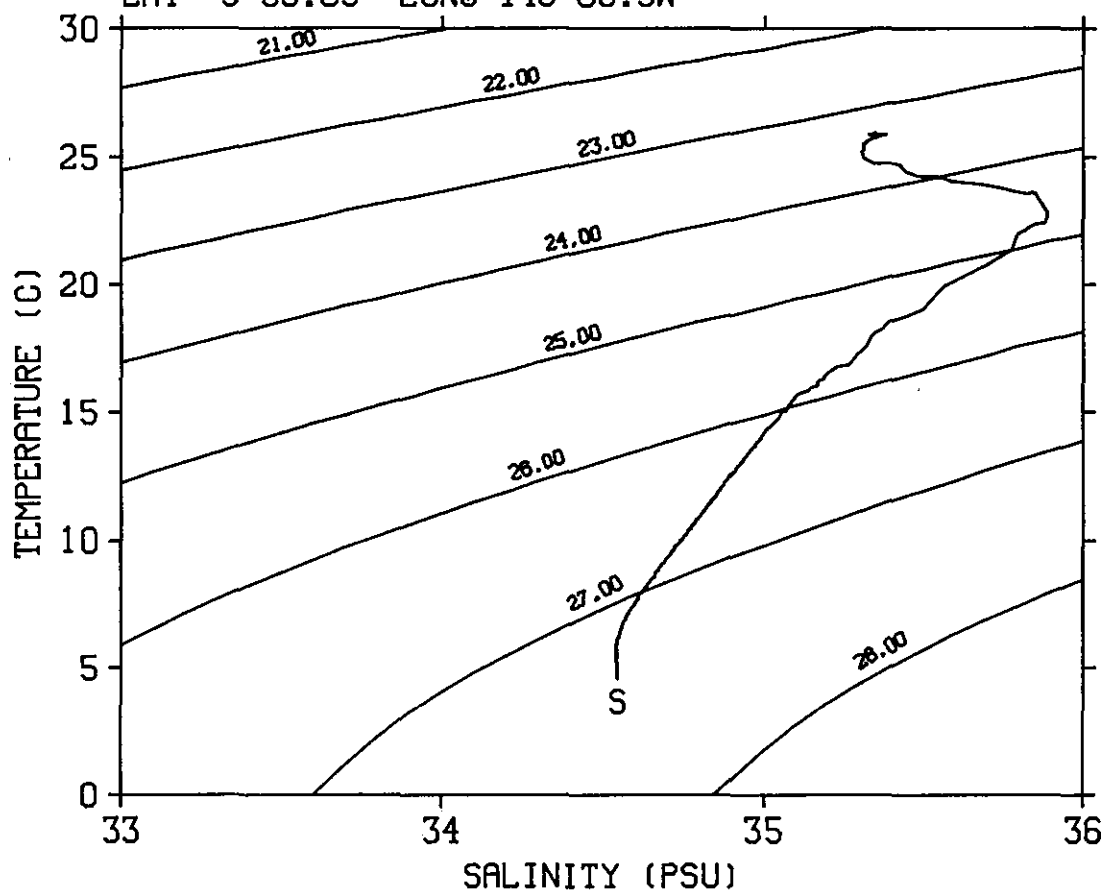


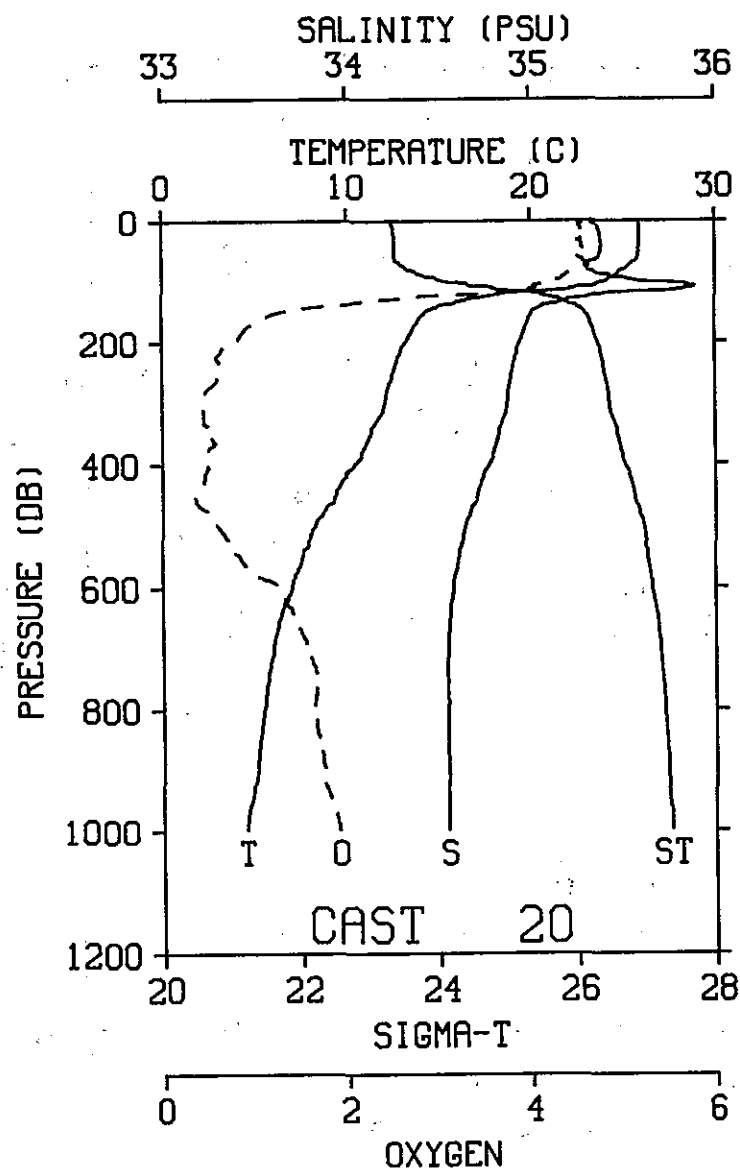
CAST EP3-85-RS-019 DATE 09 OCT 85 TIME 0244 GMT
 LAT 00 00.5N LONG 138 56.2W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 120 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 1 DRY 23.9 WET 21.6 DEPTH 4380 M



PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.219	34.856	4.50	23.168	0.000
10.	25.177	34.972	4.49	23.268	0.047
20.	25.214	34.982	4.48	23.264	0.093
30.	24.975	34.999	4.51	23.350	0.138
40.	24.934	35.006	4.50	23.368	0.184
50.	24.847	35.018	4.44	23.403	0.229
60.	24.753	35.037	4.41	23.446	0.273
70.	24.660	35.047	4.37	23.482	0.318
80.	24.607	35.057	4.20	23.505	0.362
90.	24.462	35.073	4.22	23.561	0.406
100.	24.327	35.089	4.16	23.613	0.449
110.	23.245	35.007	3.99	23.869	0.491
120.	20.138	35.067	3.41	24.778	0.528
130.	17.844	35.214	3.01	25.476	0.556
140.	17.422	35.204	2.95	25.571	0.581
150.	16.651	35.128	2.92	25.696	0.605
160.	15.554	34.977	2.85	25.832	0.628
170.	14.418	34.970	2.80	26.076	0.649
180.	13.956	34.969	2.76	26.173	0.668
190.	13.527	34.920	2.67	26.225	0.687
200.	13.066	34.911	2.61	26.311	0.705
250.	12.268	34.876	1.88	26.441	0.788
300.	11.699	34.838	0.88	26.521	0.868
350.	10.658	34.777	0.60	26.664	0.944
400.	9.354	34.700	0.75	26.827	1.013
450.	8.529	34.658	0.83	26.925	1.075
500.	8.139	34.636	0.88	26.967	1.134
550.	7.129	34.593	1.07	27.081	1.189
600.	6.584	34.574	1.22	27.140	1.240
650.	6.249	34.565	1.36	27.177	1.290
700.	5.984	34.556	1.53	27.204	1.338
750.	5.872	34.555	1.54	27.217	1.385
800.	5.384	34.549	1.95	27.272	1.431
850.	4.981	34.549	1.82	27.320	1.474
900.	4.859	34.552	1.92	27.336	1.516
950.	4.589	34.554	1.95	27.368	1.557
1000.	4.354	34.559	1.98	27.398	1.596
1001.	4.353	34.559	1.98	27.398	1.597

CAST EP3-85-RS-020 DATE 09 OCT 85 TIME 1740 GMT
LAT 3 00.0S LONG 140 00.3W

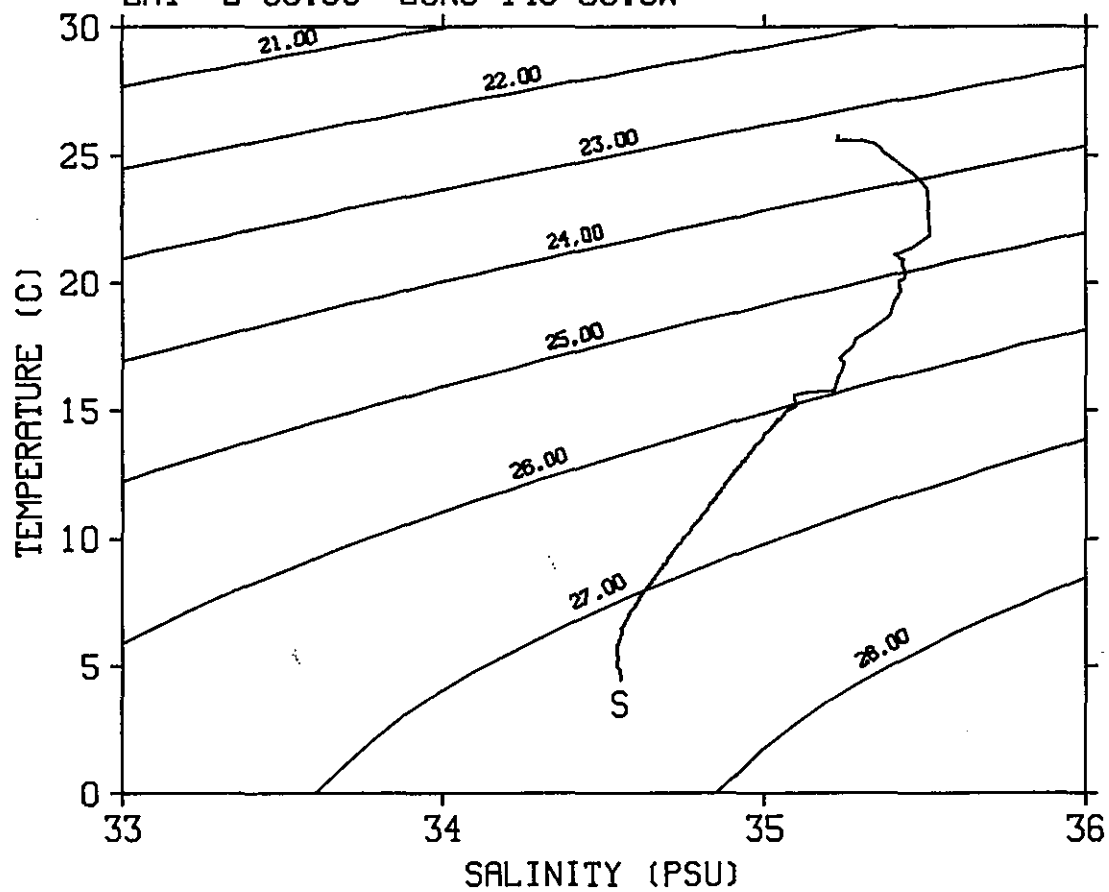


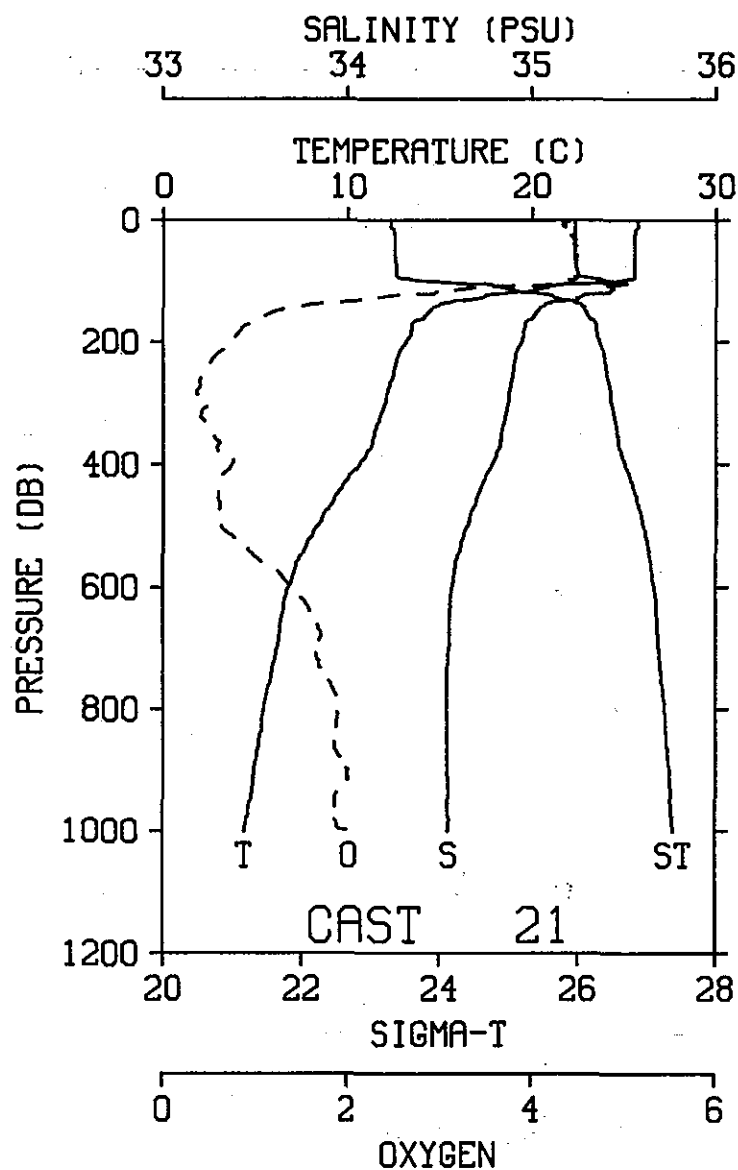


CAST EP3-85-RS-020 DATE 09 OCT 85 TIME 1740 GMT
 LAT 3 00.0S LONG 140 00.3W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 090 T SPD 18 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 DRY 25.5 WET 21.5 DEPTH 4418 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.889	35.332	4.52	23.321	0.000
10.	25.883	35.361	4.55	23.344	0.045
20.	25.880	35.373	4.52	23.354	0.091
30.	25.872	35.380	4.56	23.362	0.136
40.	25.880	35.385	4.57	23.363	0.181
50.	25.867	35.382	4.58	23.365	0.226
60.	25.838	35.373	4.52	23.367	0.272
70.	25.464	35.311	4.61	23.436	0.317
80.	25.098	35.309	4.54	23.547	0.361
90.	24.639	35.429	4.39	23.777	0.403
100.	24.060	35.587	4.21	24.070	0.444
110.	22.404	35.884	4.06	24.777	0.479
120.	18.516	35.396	3.57	25.447	0.509
130.	16.541	35.200	2.46	25.777	0.532
140.	15.046	35.067	1.77	26.014	0.554
150.	14.322	35.010	1.28	26.127	0.574
160.	13.998	34.991	1.09	26.182	0.593
170.	13.819	34.982	0.97	26.212	0.611
180.	13.601	34.967	0.90	26.245	0.629
190.	13.406	34.955	0.84	26.276	0.647
200.	13.201	34.942	0.81	26.308	0.665
250.	12.542	34.897	0.63	26.405	0.751
300.	12.082	34.871	0.43	26.474	0.833
350.	11.316	34.826	0.55	26.583	0.912
400.	10.421	34.775	0.50	26.704	0.985
450.	9.380	34.708	0.36	26.828	1.053
500.	8.229	34.641	0.60	26.958	1.115
550.	7.597	34.608	0.85	27.025	1.172
600.	7.013	34.578	1.28	27.084	1.226
650.	6.362	34.557	1.44	27.156	1.277
700.	5.974	34.547	1.60	27.199	1.326
750.	5.683	34.545	1.69	27.233	1.373
800.	5.447	34.546	1.64	27.263	1.418
850.	5.218	34.546	1.69	27.290	1.462
900.	5.062	34.546	1.76	27.308	1.505
950.	4.800	34.548	1.82	27.340	1.548
998.	4.541	34.550	1.92	27.370	1.586

CAST EP3-85-RS-021 DATE 09 OCT 85 TIME 2317 GMT
LAT 2 00.0S LONG 140 00.0W

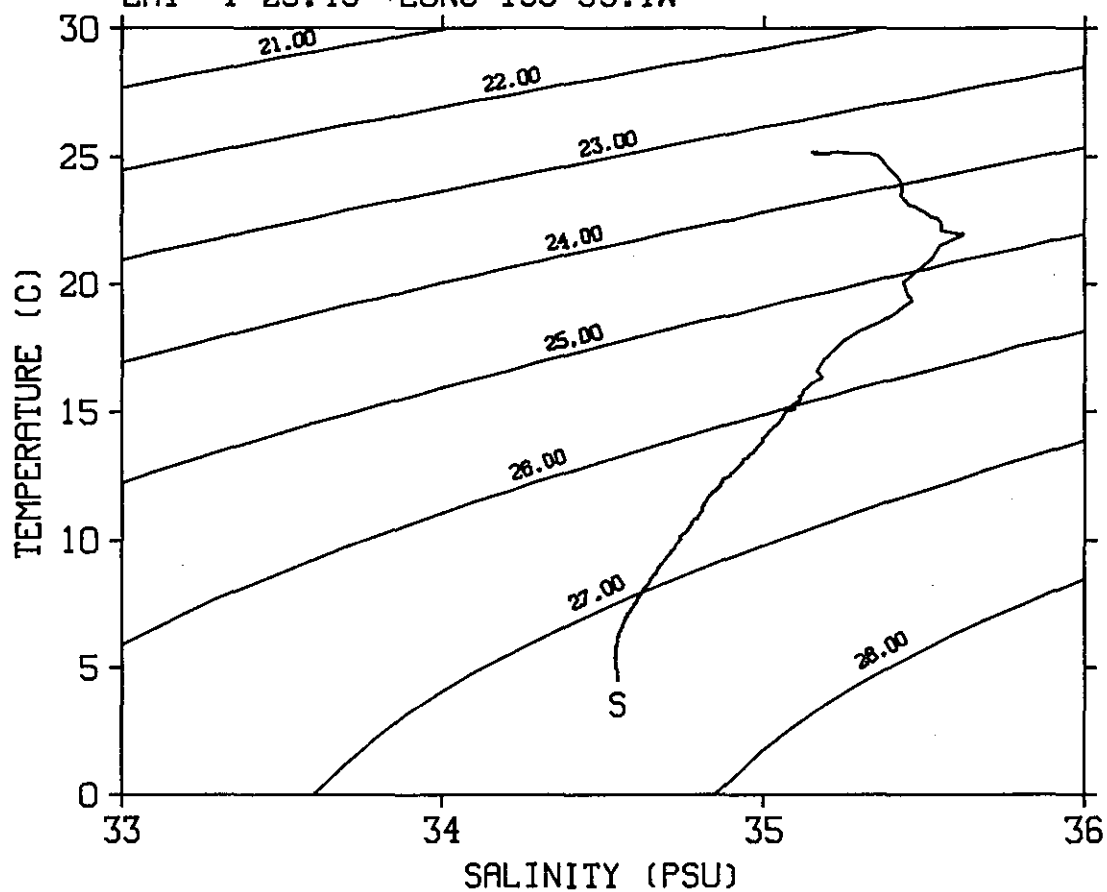


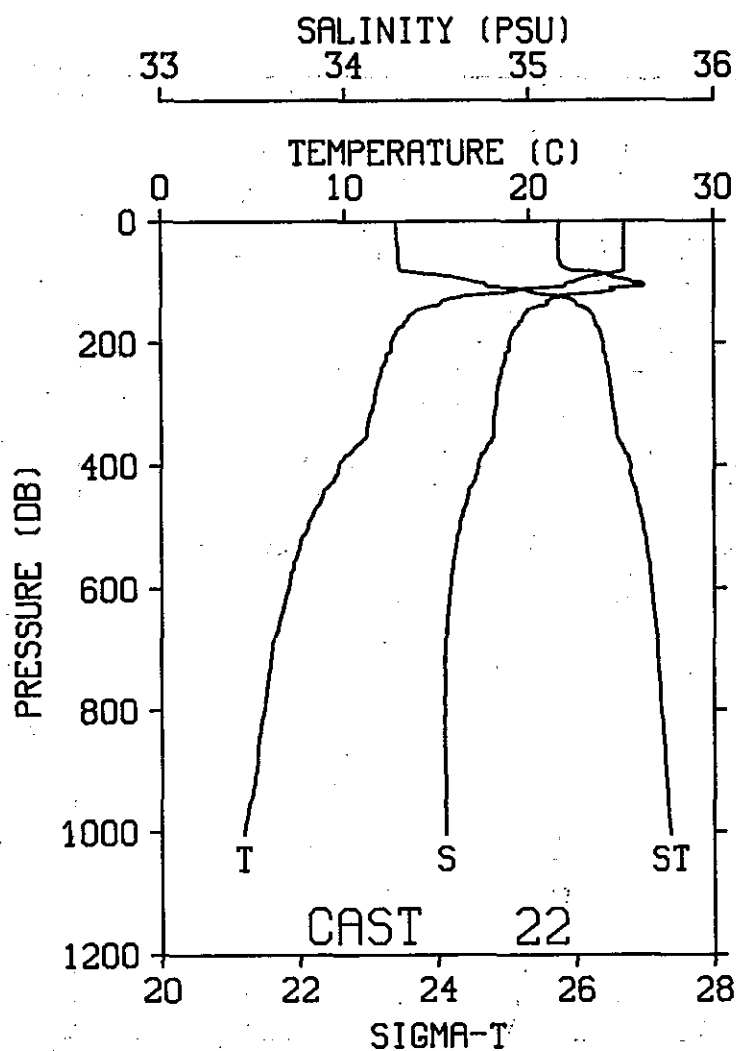


CAST EP3-85-RS-021 DATE 09 OCT 85 TIME 2317 GMT
 LAT 2 00.05 LONG 140 00.0W WEATHER 1 SEA STATE 4
 BAROMETER 10 WIND DIR 090 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 27.0 WET 23.0 DEPTH 4332 M

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.734	35.231	4.40	23.292	0.000
10.	25.747	35.232	4.32	23.289	0.046
20.	25.593	35.229	4.39	23.334	0.091
30.	25.557	35.228	4.44	23.345	0.137
40.	25.553	35.227	4.45	23.345	0.182
50.	25.549	35.229	4.46	23.348	0.228
60.	25.545	35.231	4.48	23.350	0.273
70.	25.550	35.235	4.46	23.352	0.318
80.	25.557	35.240	4.48	23.353	0.364
90.	25.568	35.250	4.47	23.358	0.409
100.	24.781	35.404	4.40	23.715	0.454
110.	20.861	35.435	3.46	24.864	0.490
120.	18.677	35.389	2.94	25.402	0.519
130.	16.864	35.249	2.16	25.739	0.543
140.	14.902	35.064	1.55	26.044	0.564
150.	14.440	35.031	1.21	26.119	0.583
160.	14.144	35.006	1.07	26.162	0.603
170.	13.504	34.965	0.95	26.264	0.621
180.	13.471	34.959	0.84	26.266	0.639
190.	13.393	34.958	0.79	26.281	0.657
200.	13.172	34.945	0.73	26.316	0.674
250.	12.503	34.898	0.44	26.413	0.759
300.	12.054	34.872	0.49	26.480	0.841
350.	11.443	34.835	0.54	26.566	0.920
400.	10.620	34.784	0.74	26.676	0.995
450.	9.319	34.707	0.60	26.837	1.063
500.	8.330	34.648	0.62	26.948	1.125
550.	7.396	34.596	1.00	27.045	1.182
600.	6.798	34.569	1.38	27.107	1.236
650.	6.415	34.554	1.64	27.147	1.286
700.	6.189	34.551	1.66	27.173	1.336
750.	5.829	34.542	1.79	27.212	1.384
800.	5.445	34.539	1.89	27.257	1.430
850.	5.203	34.542	1.85	27.289	1.474
900.	4.905	34.542	1.99	27.323	1.517
950.	4.724	34.549	1.86	27.350	1.558
1000.	4.406	34.550	2.02	27.386	1.598
1001.	4.401	34.550	2.02	27.386	1.599

CAST EP3-85-RS-022 DATE 10 OCT 85 TIME 0826 GMT
LAT 1 29.4S LONG 139 59.1W

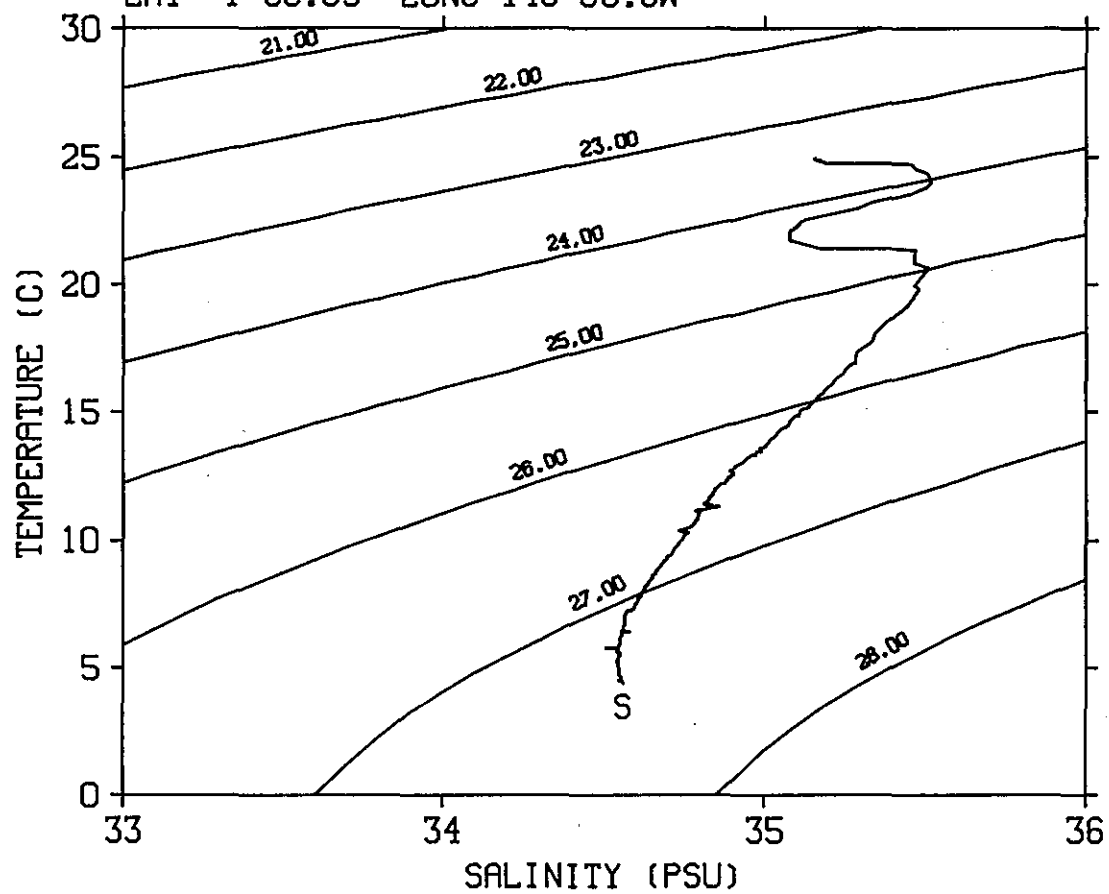


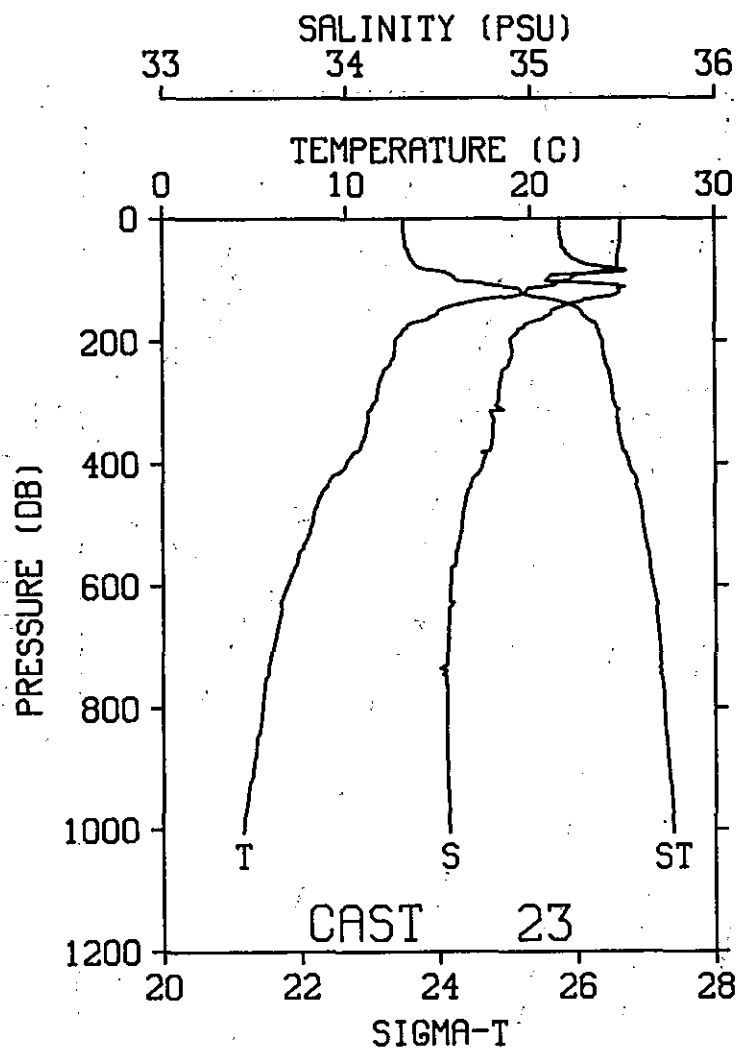


CAST EP3-85-RS-022 DATE 10 OCT 85 TIME 0826 GMT
 LAT 1 29.4S LONG 139 59.1W WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 080 T SPD 15 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 DRY 24.9 WET 22.4 DEPTH 4323 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T (DYN M)	DELTA-D (DYN M)
0.	25.179	35.163	23.412	0.000
10.	25.176	35.161	23.411	0.045
20.	25.161	35.159	23.414	0.089
30.	25.149	35.147	23.409	0.134
40.	25.103	35.156	23.430	0.179
50.	25.089	35.158	23.436	0.223
60.	25.090	35.162	23.438	0.268
70.	25.096	35.169	23.442	0.312
80.	25.152	35.232	23.472	0.357
90.	23.452	35.425	24.126	0.398
100.	22.355	35.557	24.542	0.434
110.	20.042	35.437	25.085	0.466
120.	17.772	35.250	25.521	0.493
130.	15.358	35.099	25.970	0.515
140.	14.543	35.044	26.107	0.535
150.	13.720	34.983	26.234	0.554
160.	13.431	34.966	26.279	0.572
170.	13.208	34.947	26.310	0.589
180.	12.842	34.917	26.361	0.607
190.	12.663	34.902	26.385	0.624
200.	12.527	34.893	26.404	0.640
250.	11.950	34.849	26.482	0.722
300.	11.536	34.819	26.537	0.801
350.	11.157	34.805	26.595	0.877
400.	9.665	34.722	26.792	0.948
450.	8.783	34.668	26.893	1.012
500.	7.975	34.624	26.982	1.072
550.	7.320	34.591	27.052	1.127
600.	6.883	34.571	27.097	1.181
650.	6.427	34.554	27.145	1.232
700.	6.020	34.543	27.189	1.281
750.	5.805	34.540	27.214	1.328
800.	5.576	34.540	27.242	1.375
850.	5.271	34.538	27.277	1.420
900.	5.138	34.539	27.293	1.464
950.	4.816	34.544	27.335	1.506
1000.	4.482	34.546	27.374	1.547
1005.	4.458	34.545	27.375	1.551

CAST EP3-85-RS-023 DATE 10 OCT 85 TIME 1155 GMT
LAT 1 00.0S LONG 140 00.0W

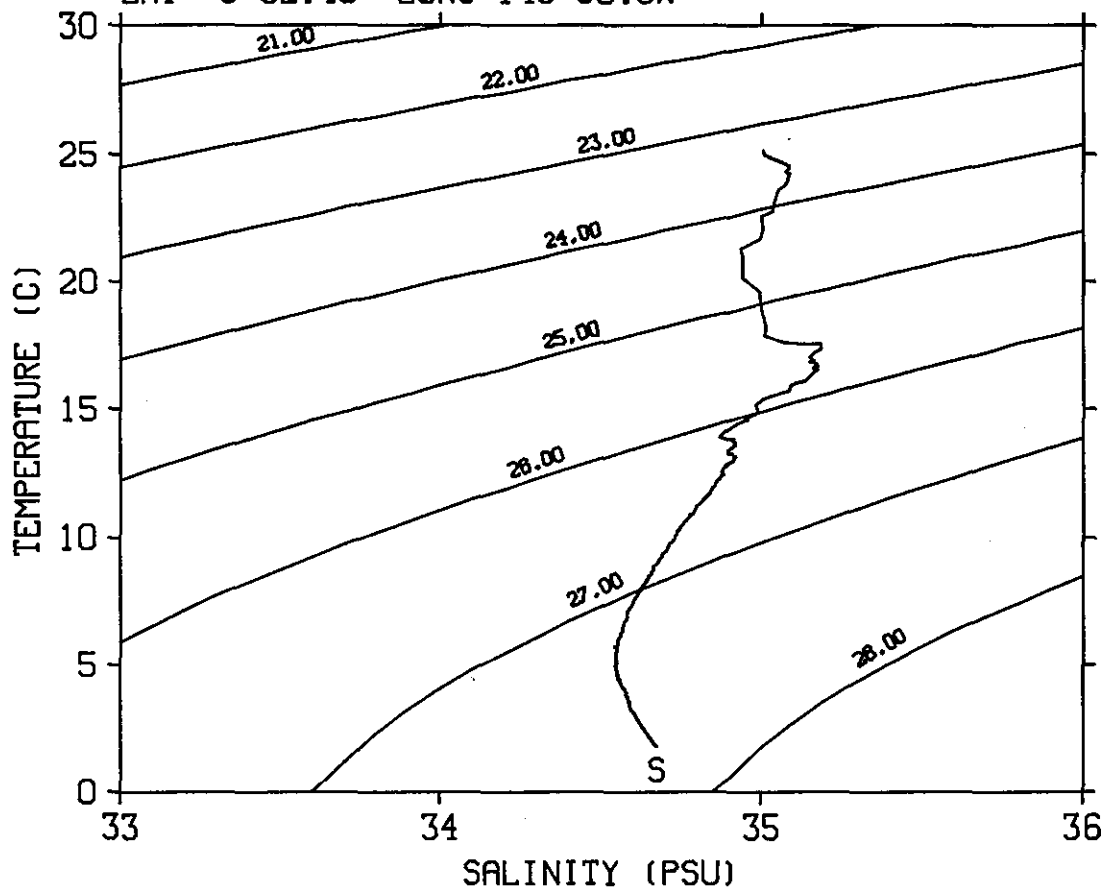


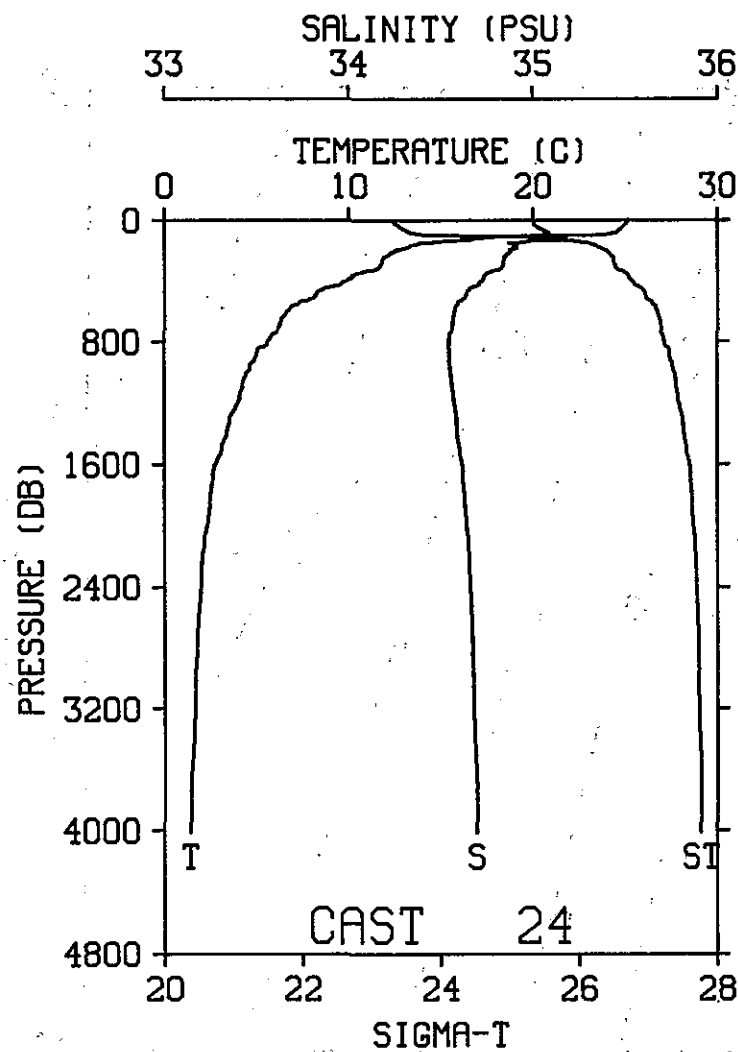


CAST EP3-85-RS-023 DATE 10 OCT 85 TIME 1155 GMT
 LAT 1 00.0S LONG 140 00.0W WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 080 T SPD 14 KT VISIBILITY 6
 CLOUD X AMOUNT 6 DRY 24.5 WET 22.0 DEPTH 4239 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	24.895	35.156	23.492	0.000
10.	24.893	35.157	23.494	0.044
20.	24.896	35.157	23.493	0.088
30.	24.873	35.162	23.504	0.132
40.	24.832	35.170	23.522	0.175
50.	24.770	35.182	23.550	0.219
60.	24.724	35.209	23.585	0.262
70.	24.698	35.260	23.631	0.306
80.	24.726	35.406	23.733	0.348
90.	23.234	35.334	24.121	0.388
100.	22.131	35.093	24.253	0.425
110.	21.077	35.470	24.832	0.459
120.	19.750	35.483	25.197	0.488
130.	18.027	35.339	25.526	0.515
140.	16.098	35.208	25.886	0.538
150.	15.073	35.116	26.046	0.559
160.	14.630	35.079	26.114	0.579
170.	13.636	34.996	26.261	0.597
180.	13.200	34.944	26.310	0.615
190.	12.951	34.917	26.339	0.632
200.	12.660	34.889	26.375	0.649
250.	12.005	34.847	26.470	0.733
300.	11.513	34.822	26.543	0.812
350.	11.030	34.793	26.609	0.887
400.	9.956	34.738	26.755	0.959
450.	8.654	34.656	26.904	1.024
500.	8.111	34.627	26.964	1.083
550.	7.381	34.593	27.045	1.140
600.	6.764	34.563	27.107	1.193
650.	6.357	34.554	27.154	1.244
700.	5.992	34.548	27.197	1.292
750.	5.632	34.541	27.236	1.339
800.	5.405	34.545	27.267	1.384
850.	5.096	34.542	27.301	1.428
900.	4.882	34.545	27.329	1.471
950.	4.571	34.550	27.367	1.512
1000.	4.390	34.557	27.393	1.551
1006.	4.370	34.558	27.396	1.555

CAST EP3-85-RS-024 DATE 11 OCT 85 TIME 0315 GMT
LAT 0 02.4S LONG 140 03.5W

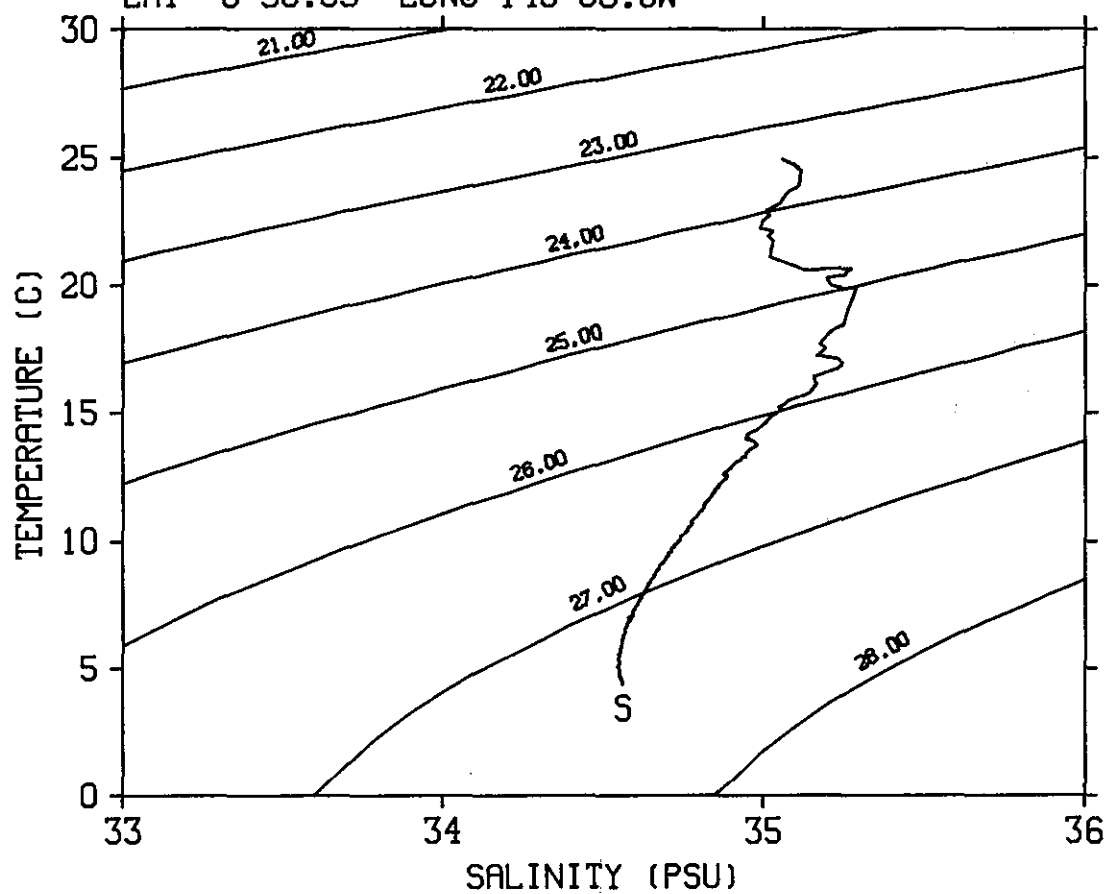


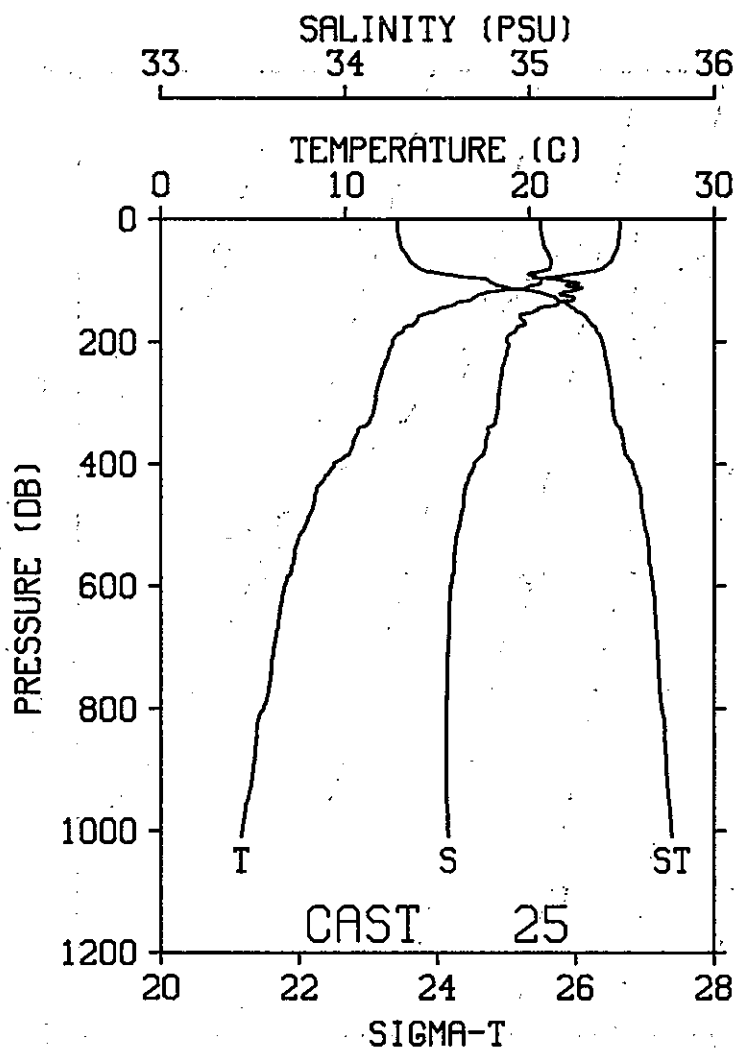


CAST EP3-85-RS-024 DATE 11 OCT 85 TIME 0315 GMT
 LAT 0 02.4S LONG 140 03.5W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 095 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 24.0 WET 22.0 DEPTH 4215 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.135	35.002	23.303	0.000
10.	25.088	35.004	23.319	0.046
20.	25.066	35.002	23.324	0.091
30.	24.959	35.007	23.361	0.136
40.	24.896	35.017	23.388	0.182
50.	24.818	35.027	23.419	0.226
60.	24.731	35.044	23.458	0.271
70.	24.612	35.064	23.509	0.315
80.	24.543	35.080	23.542	0.359
90.	24.216	35.087	23.645	0.402
100.	22.546	35.000	24.065	0.443
110.	17.825	35.009	25.323	0.476
120.	16.868	35.155	25.666	0.501
130.	16.461	35.167	25.770	0.524
140.	14.861	34.985	25.992	0.545
150.	13.862	34.868	26.114	0.566
160.	13.575	34.916	26.211	0.584
170.	13.278	34.892	26.253	0.603
180.	13.201	34.910	26.283	0.621
190.	12.823	34.891	26.345	0.638
200.	12.502	34.872	26.393	0.655
250.	11.844	34.841	26.496	0.736
300.	11.687	34.834	26.520	0.815
350.	10.363	34.742	26.688	0.891
400.	9.869	34.724	26.759	0.961
450.	8.604	34.656	26.912	1.026
500.	8.155	34.634	26.963	1.085
550.	7.235	34.592	27.065	1.141
600.	6.603	34.570	27.134	1.193
650.	6.332	34.564	27.166	1.243
700.	6.194	34.559	27.179	1.292
750.	5.952	34.552	27.205	1.340
800.	5.609	34.548	27.244	1.387
850.	5.070	34.548	27.309	1.431
900.	4.966	34.545	27.319	1.474
950.	4.669	34.550	27.356	1.515
1000.	4.504	34.554	27.378	1.555
1500.	3.091	34.603	27.560	1.907
2000.	2.307	34.641	27.659	2.186
2500.	1.901	34.663	27.710	2.433
3000.	1.688	34.676	27.736	2.665
3500.	1.518	34.687	27.758	2.891
4000.	1.406	34.697	27.774	3.104
4016.	1.406	34.697	27.774	3.111

CAST EP3-85-RS-025 DATE 11 OCT 85 TIME 0942 GMT
LAT 0 30.0S LONG 140 00.0W

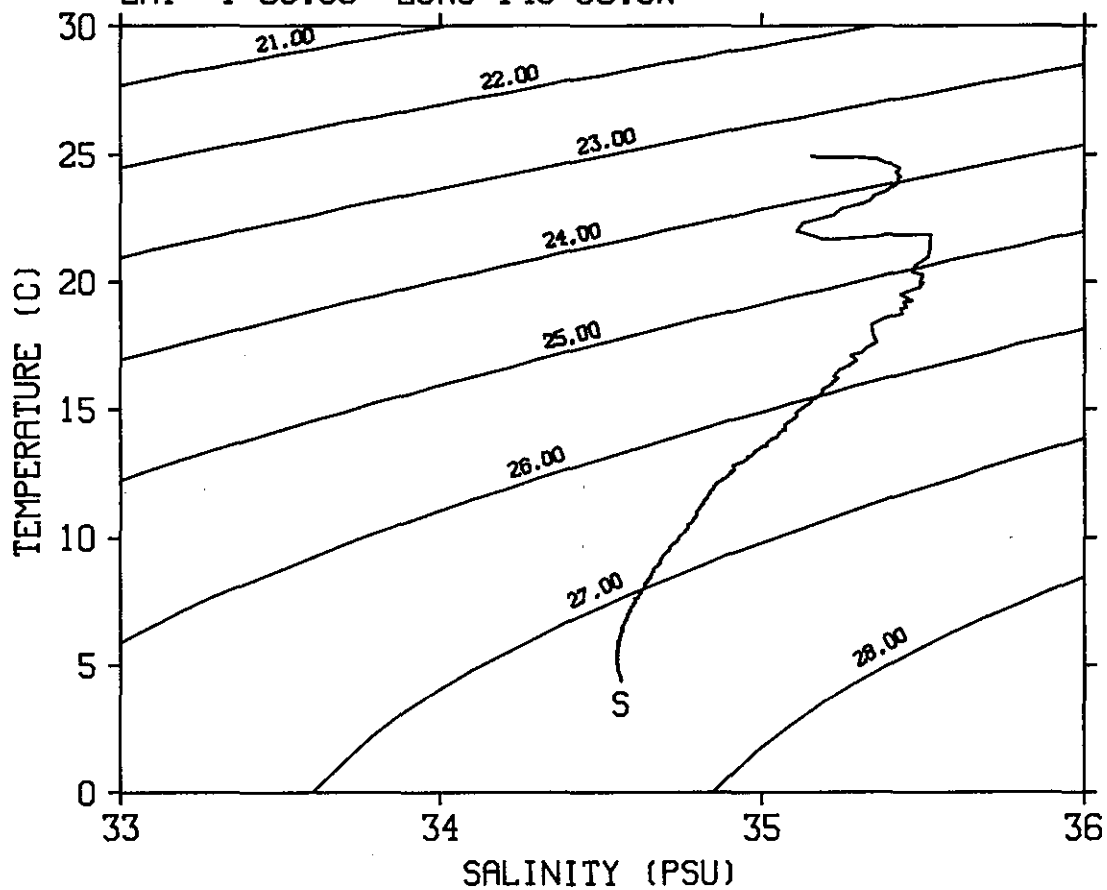




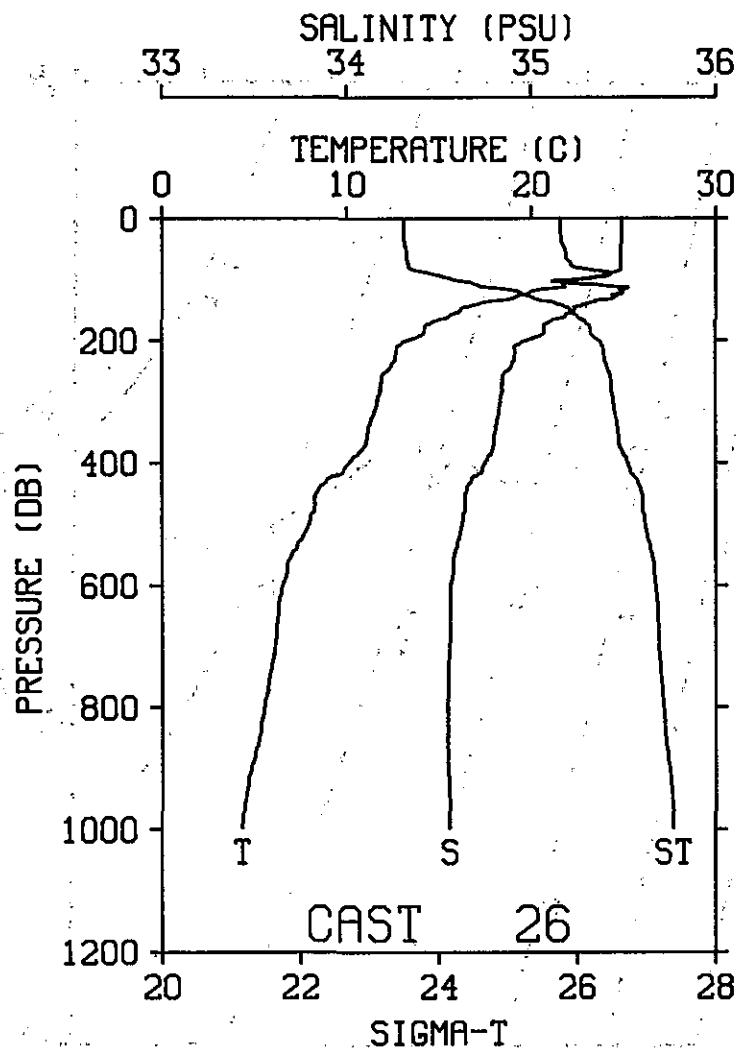
CAST EP3-85-RS-025 DATE 11 OCT 85 TIME 0942 GMT
 LAT: 0 30.0S LONG 140 00.0W WEATHER 0 SEA STATE 4
 BAROMETER 12 WIND DIR 075 T SPD 16 KT VISIBILITY 7
 CLOUD X AMOUNT 1 DRY 24.0 WET 21.5 DEPTH 4295 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	24.898	35.058	23.418	0.000
10.	24.888	35.059	23.422	0.045
20.	24.884	35.061	23.424	0.089
30.	24.843	35.069	23.443	0.134
40.	24.799	35.077	23.462	0.178
50.	24.715	35.090	23.498	0.222
60.	24.554	35.107	23.559	0.266
70.	24.409	35.117	23.610	0.309
80.	23.988	35.110	23.730	0.352
90.	22.543	34.998	24.065	0.392
100.	20.587	35.167	24.734	0.427
110.	19.918	35.214	24.948	0.459
120.	17.640	35.177	25.497	0.487
130.	16.907	35.243	25.724	0.511
140.	15.840	35.145	25.897	0.533
150.	14.906	35.030	26.016	0.554
160.	13.926	34.948	26.163	0.573
170.	13.766	34.976	26.219	0.592
180.	13.175	34.928	26.302	0.610
190.	12.758	34.886	26.353	0.627
200.	12.538	34.875	26.388	0.644
250.	11.969	34.848	26.478	0.726
300.	11.618	34.830	26.530	0.805
350.	10.645	34.775	26.665	0.881
400.	9.350	34.699	26.826	0.950
450.	8.351	34.644	26.941	1.012
500.	7.817	34.618	27.002	1.070
550.	7.248	34.592	27.063	1.125
600.	6.691	34.571	27.124	1.178
650.	6.387	34.563	27.158	1.228
700.	6.107	34.558	27.190	1.277
750.	5.925	34.553	27.209	1.325
800.	5.557	34.549	27.252	1.371
850.	5.162	34.548	27.298	1.415
900.	4.990	34.548	27.318	1.458
950.	4.684	34.552	27.356	1.499
1000.	4.424	34.557	27.389	1.539
1010.	4.352	34.561	27.400	1.546

CAST EP3-85-RS-026 DATE 11 OCT 85 TIME 1010 GMT
LAT 1 00.0S LONG 140 00.0W

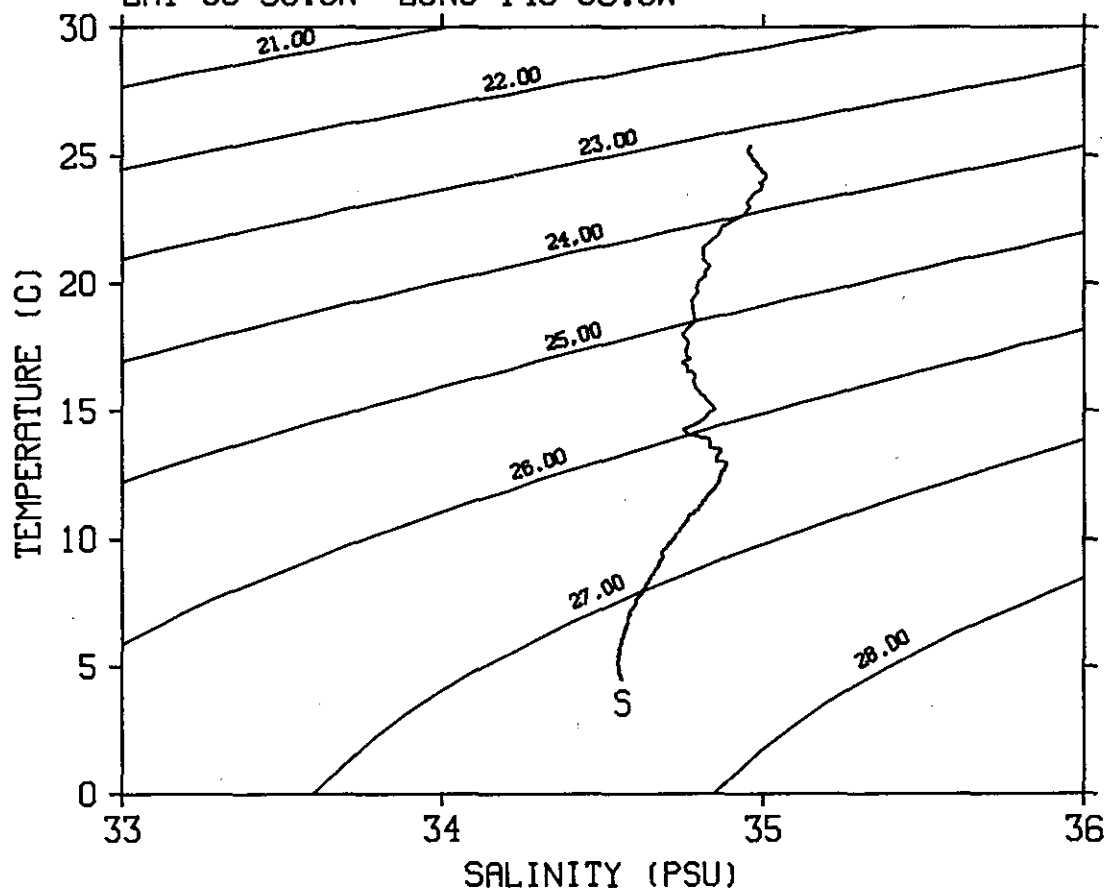


CAST EP3-85-RS-026 DATE 11 OCT 85 TIME 1010 GMT
 LAT 1 00.05 LONG 140 00.0W WEATHER 1 SEA STATE 1
 BAROMETER 11 WIND DIR 060 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 23.0 WET 22.0 DEPTH 4169 M

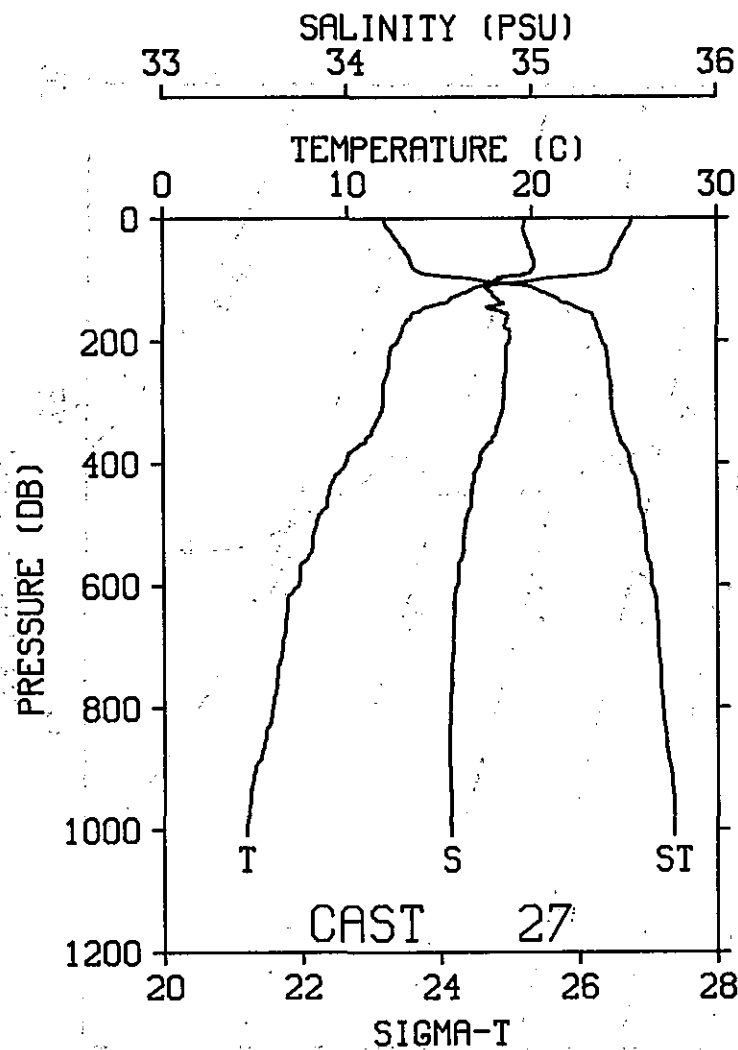


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	24.906	35.154	23.488	0.000
10.	24.898	35.156	23.492	0.044
20.	24.899	35.157	23.492	0.088
30.	24.900	35.158	23.493	0.132
40.	24.890	35.164	23.501	0.176
50.	24.860	35.185	23.525	0.220
60.	24.853	35.190	23.531	0.263
70.	24.838	35.210	23.551	0.307
80.	24.852	35.241	23.570	0.351
90.	24.404	35.431	23.849	0.393
100.	22.826	35.252	24.177	0.432
110.	21.809	35.386	24.566	0.468
120.	19.935	35.501	25.162	0.499
130.	19.000	35.451	25.367	0.526
140.	17.107	35.275	25.701	0.551
150.	16.128	35.234	25.899	0.573
160.	15.514	35.182	25.999	0.594
170.	14.655	35.102	26.127	0.614
180.	14.229	35.071	26.194	0.633
190.	14.165	35.066	26.204	0.651
200.	13.306	34.973	26.311	0.669
250.	12.160	34.870	26.458	0.753
300.	11.659	34.833	26.524	0.833
350.	11.153	34.806	26.597	0.910
400.	10.128	34.751	26.736	0.983
450.	8.330	34.642	26.943	1.047
500.	7.940	34.627	26.990	1.105
550.	7.045	34.585	27.086	1.160
600.	6.524	34.565	27.141	1.211
650.	6.277	34.562	27.171	1.260
700.	6.124	34.558	27.188	1.309
750.	5.807	34.551	27.222	1.356
800.	5.537	34.549	27.254	1.402
850.	5.249	34.547	27.287	1.447
900.	4.826	34.550	27.338	1.490
950.	4.519	34.558	27.379	1.530
998.	4.355	34.562	27.400	1.567

CAST EP3-85-RS-027 DATE 12 OCT 85 TIME 0310 GMT
LAT 00 30.0N LONG 140 00.0W

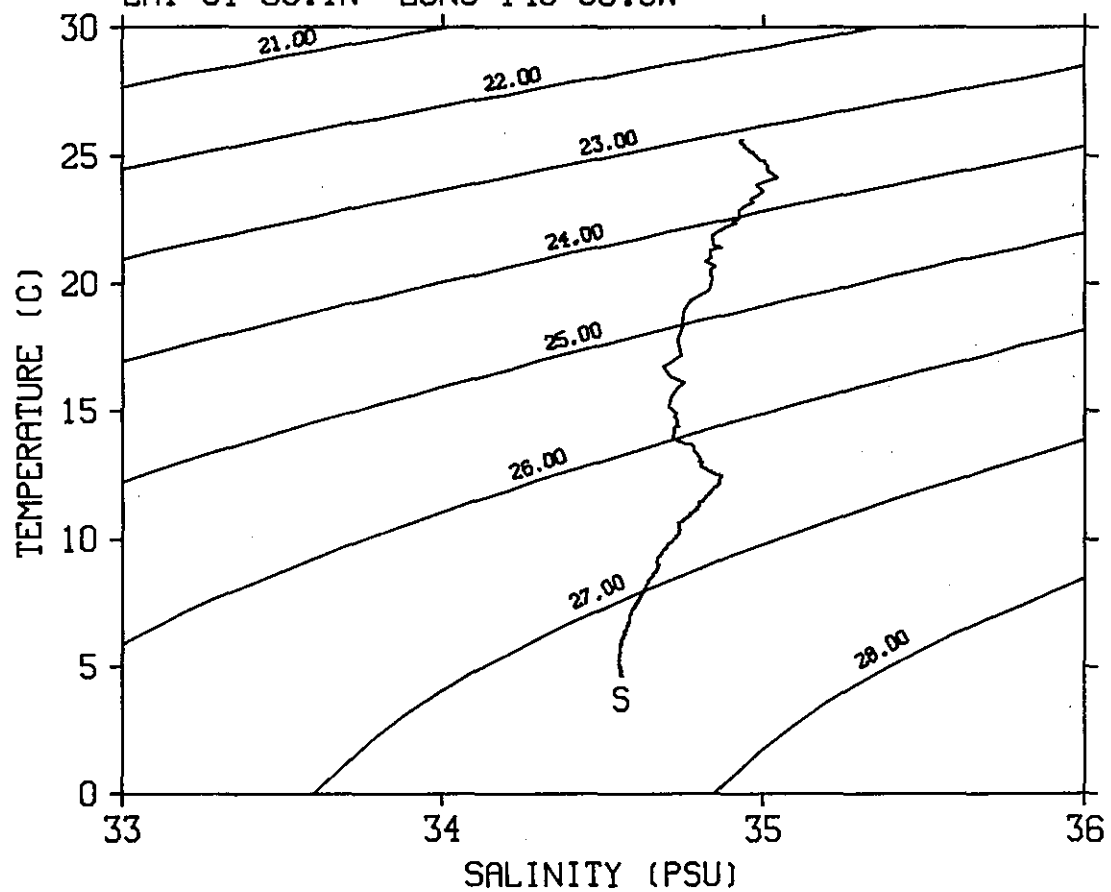


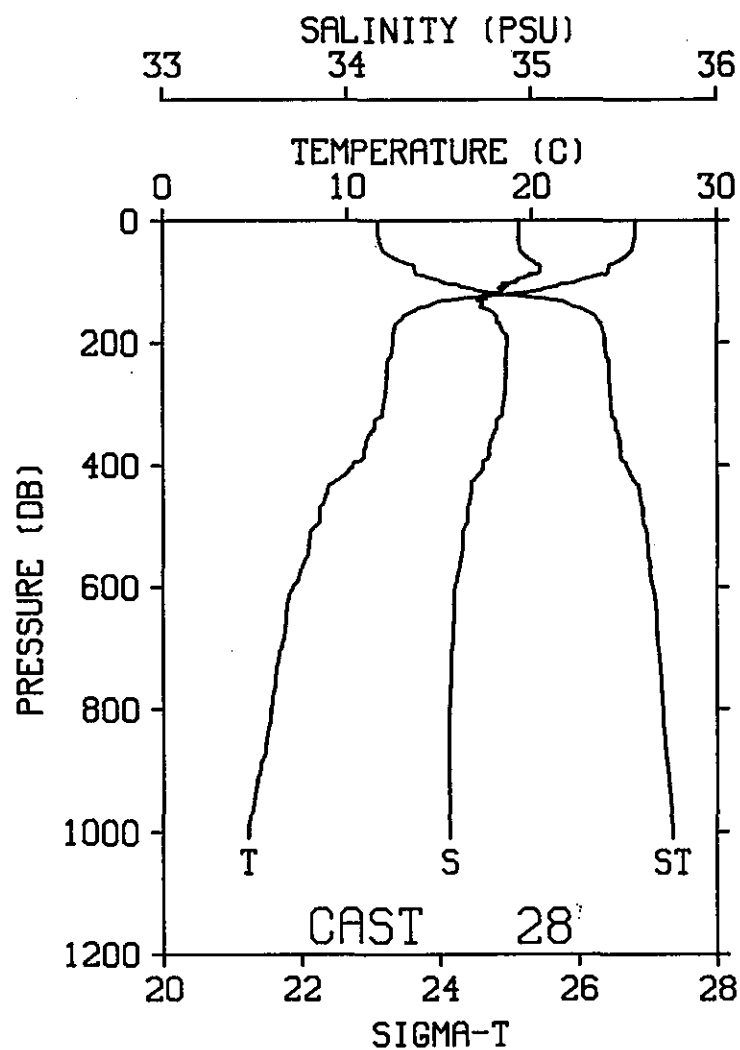
CAST EP3-85-RS-027 DATE 12 OCT 85 TIME 0310 GMT
 LAT 00 30.0N LONG 140 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 110 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 1 DRY 24.0 WET 21.7 DEPTH 4200 M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.355	34.960	23.204	0.000
10.	25.305	34.953	23.215	0.047
20.	25.081	34.952	23.282	0.093
30.	24.922	34.962	23.338	0.139
40.	24.715	34.977	23.412	0.184
50.	24.517	34.988	23.480	0.228
60.	24.334	34.999	23.543	0.272
70.	24.247	35.010	23.577	0.316
80.	24.128	35.009	23.612	0.359
90.	23.638	34.991	23.743	0.401
100.	20.412	34.818	24.515	0.440
110.	17.324	34.757	25.251	0.471
120.	16.513	34.776	25.458	0.497
130.	15.587	34.805	25.692	0.522
140.	14.800	34.827	25.883	0.544
150.	13.940	34.816	26.058	0.565
160.	13.415	34.864	26.204	0.584
170.	13.129	34.853	26.254	0.602
180.	13.014	34.855	26.279	0.620
190.	12.898	34.882	26.322	0.637
200.	12.750	34.879	26.350	0.655
250.	12.196	34.859	26.443	0.737
300.	11.929	34.846	26.483	0.818
350.	11.290	34.805	26.571	0.897
400.	9.882	34.715	26.750	0.969
450.	8.982	34.673	26.865	1.035
500.	8.280	34.638	26.947	1.096
550.	7.878	34.619	26.993	1.154
600.	7.299	34.595	27.058	1.210
650.	6.656	34.574	27.130	1.262
700.	6.437	34.567	27.154	1.312
750.	6.141	34.560	27.187	1.361
800.	5.883	34.553	27.215	1.409
850.	5.508	34.548	27.257	1.456
900.	4.930	34.550	27.327	1.500
950.	4.637	34.554	27.363	1.540
1000.	4.478	34.558	27.384	1.580
1010.	4.476	34.559	27.385	1.588

CAST EP3-85-RS-028 DATE 12 OCT 85 TIME 0719 GMT
LAT 01 00.1N LONG 140 00.0W

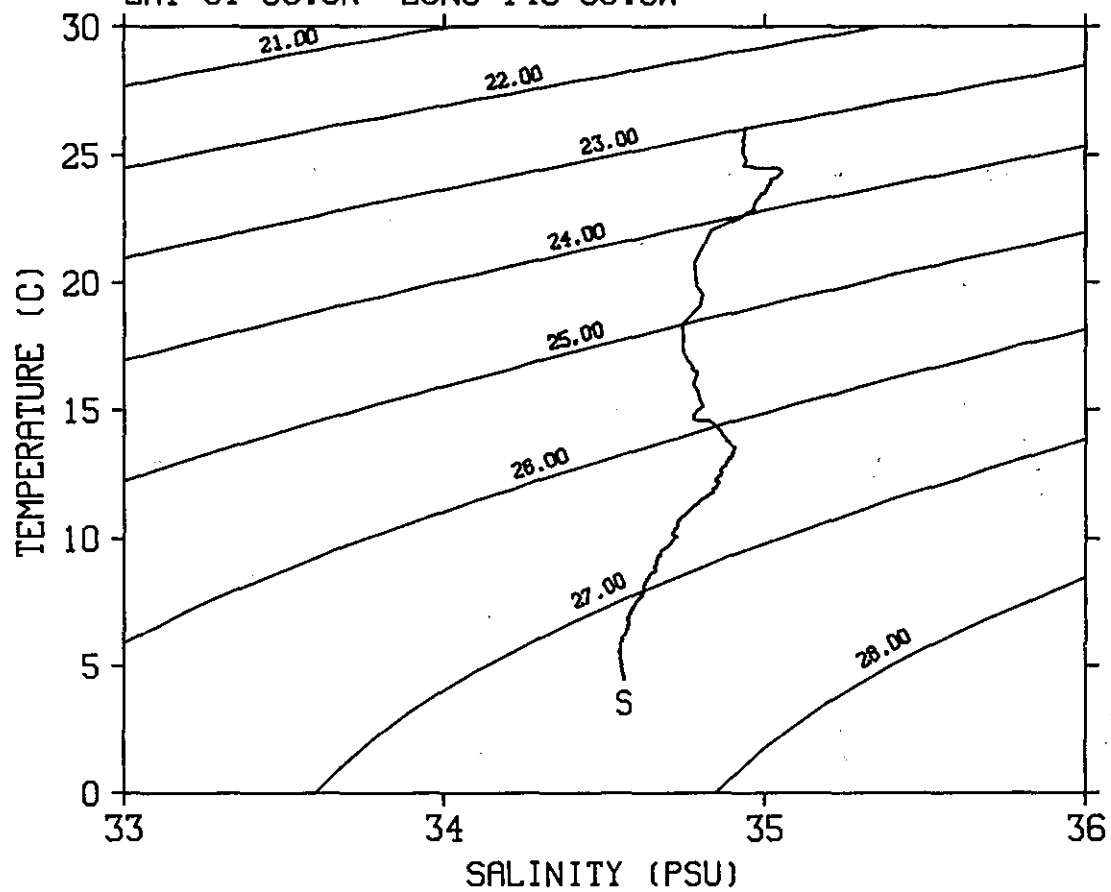


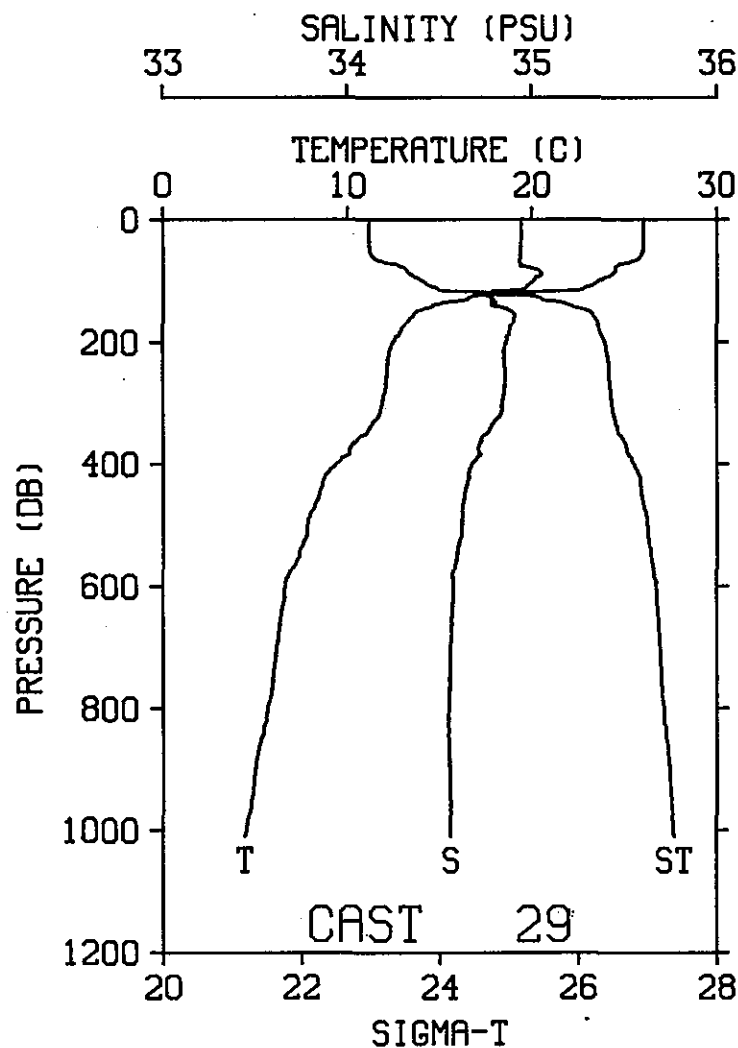


CAST EP3-85-RS-028 DATE 12 OCT 85 TIME 0719 GMT
 LAT 01 00.1N LONG 140 00.0W WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 105 T SPD 13 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 DRY 24.3 WET 21.5 DEPTH 4304 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	25.607	34.932	23.106	0.000
10.	25.592	34.929	23.108	0.048
20.	25.582	34.929	23.111	0.095
30.	25.525	34.929	23.129	0.143
40.	25.455	34.931	23.152	0.190
50.	25.378	34.938	23.181	0.237
60.	24.994	34.974	23.325	0.284
70.	24.430	35.016	23.527	0.329
80.	24.116	35.045	23.643	0.371
90.	23.620	34.999	23.754	0.414
100.	22.486	34.912	24.015	0.454
110.	20.969	34.834	24.377	0.492
120.	18.907	34.750	24.855	0.526
130.	15.606	34.709	25.614	0.553
140.	14.325	34.720	25.903	0.575
150.	13.403	34.788	26.147	0.595
160.	12.940	34.806	26.255	0.614
170.	12.637	34.830	26.334	0.631
180.	12.580	34.840	26.353	0.648
190.	12.506	34.865	26.387	0.665
200.	12.498	34.867	26.390	0.682
250.	12.150	34.860	26.452	0.765
300.	11.985	34.847	26.474	0.846
350.	11.212	34.794	26.577	0.925
400.	10.293	34.735	26.695	1.000
450.	8.792	34.666	26.890	1.066
500.	8.202	34.635	26.957	1.126
550.	7.794	34.615	27.002	1.183
600.	7.052	34.584	27.084	1.238
650.	6.656	34.576	27.132	1.290
700.	6.406	34.569	27.159	1.341
750.	6.084	34.560	27.194	1.389
800.	5.821	34.553	27.222	1.437
850.	5.576	34.550	27.250	1.484
900.	5.233	34.550	27.292	1.529
950.	4.899	34.553	27.332	1.571
1000.	4.633	34.557	27.366	1.612
1010.	4.611	34.557	27.368	1.620

CAST EP3-85-RS-029 DATE 12 OCT 85 TIME 1045 GMT
LAT 01 30.0N LONG 140 00.0W

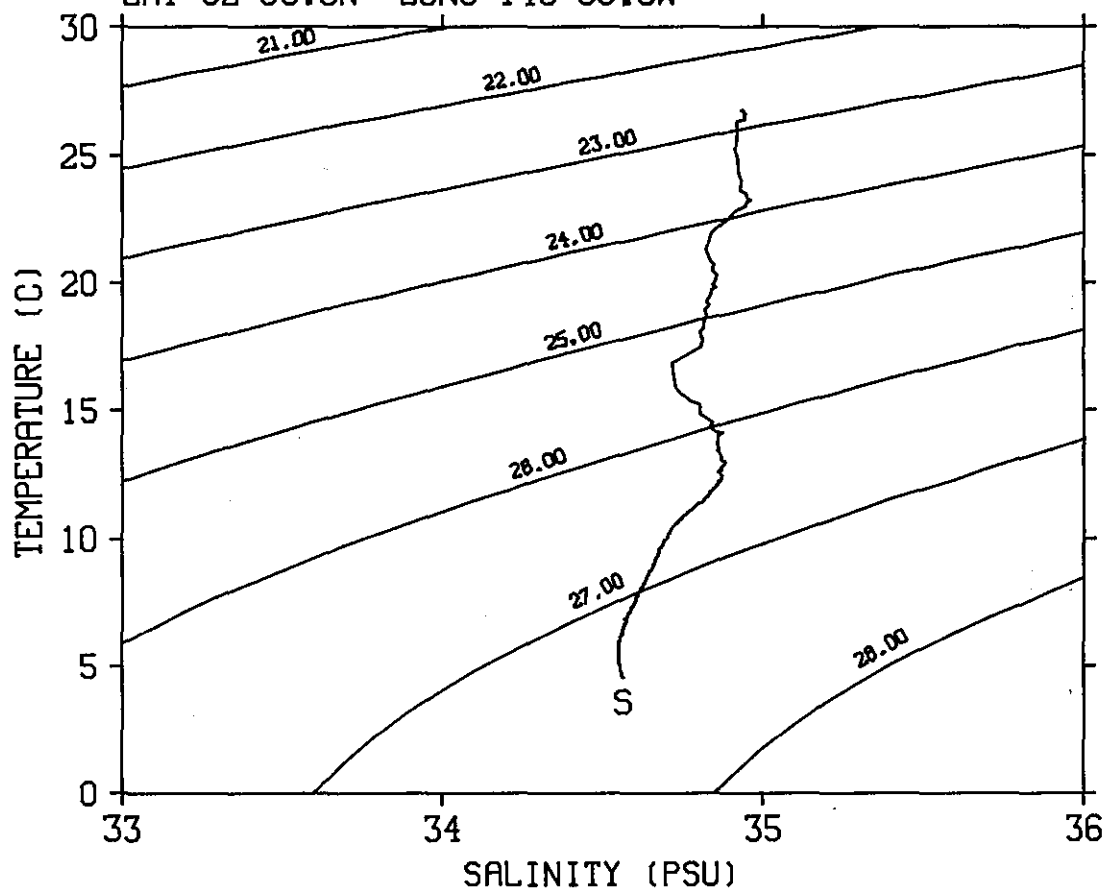


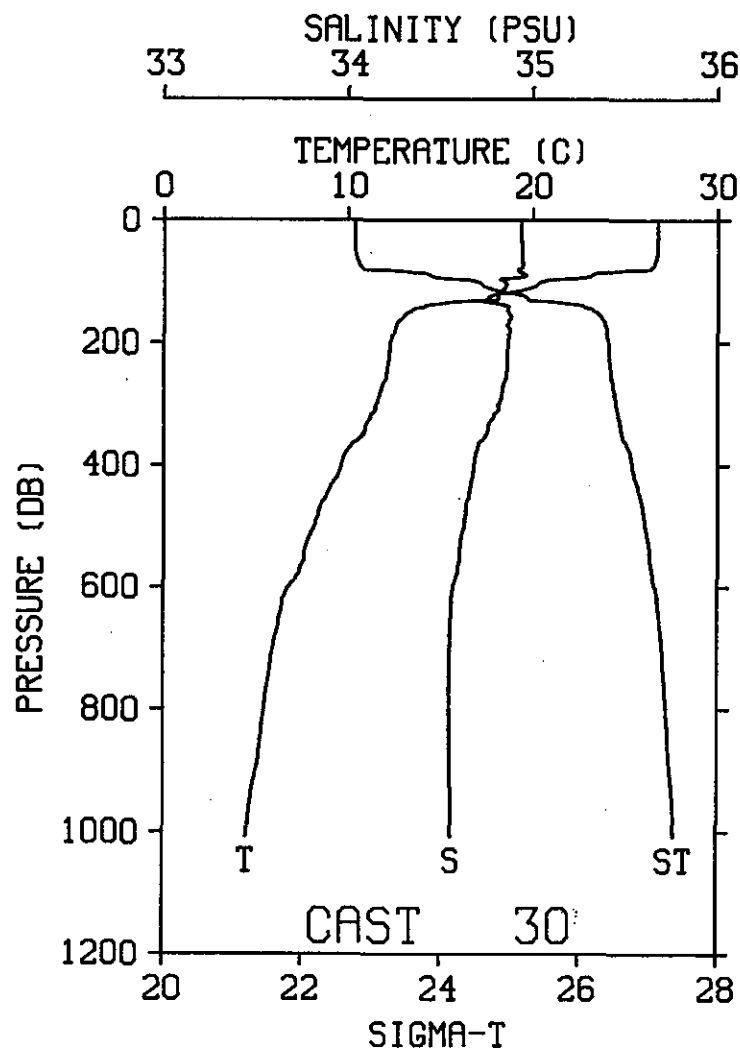


CAST EP3-85-RS-029 DATE 12 OCT 85 TIME 1045 GMT
 LAT 01 30.0N LONG 140 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 090 T SPD 15 KT VISIBILITY 7
 CLOUD X AMOUNT 3 DRY 24.5 WET 21.5 DEPTH 4452 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.037	34.941	22.979	0.000
10.	26.050	34.940	22.975	0.049
20.	26.051	34.941	22.974	0.098
30.	26.052	34.940	22.973	0.147
40.	26.054	34.940	22.973	0.195
50.	26.002	34.938	22.988	0.244
60.	25.858	34.936	23.031	0.293
70.	25.229	34.935	23.224	0.341
80.	24.497	35.015	23.506	0.386
90.	24.314	35.056	23.592	0.430
100.	23.636	35.004	23.753	0.472
110.	22.917	34.966	23.933	0.513
120.	19.339	34.805	24.786	0.551
130.	16.494	34.792	25.474	0.578
140.	14.588	34.793	25.903	0.601
150.	13.687	34.893	26.170	0.621
160.	13.392	34.902	26.238	0.639
170.	13.151	34.893	26.280	0.657
180.	12.954	34.882	26.311	0.675
190.	12.732	34.870	26.346	0.692
200.	12.474	34.863	26.392	0.709
250.	12.147	34.857	26.451	0.791
300.	11.873	34.840	26.489	0.872
350.	11.035	34.760	26.582	0.951
400.	9.368	34.674	26.804	1.021
450.	8.446	34.636	26.920	1.083
500.	7.818	34.620	27.003	1.142
550.	7.362	34.594	27.048	1.197
600.	6.645	34.576	27.133	1.250
650.	6.394	34.569	27.162	1.300
700.	6.163	34.559	27.183	1.348
750.	5.949	34.555	27.208	1.396
800.	5.655	34.551	27.241	1.443
850.	5.316	34.550	27.282	1.489
900.	4.986	34.553	27.323	1.532
950.	4.763	34.556	27.351	1.573
1000.	4.541	34.561	27.379	1.613
1011.	4.446	34.561	27.390	1.622

CAST EP3-85-RS-030 DATE 12 OCT 85 TIME 1402 GMT
LAT 02 00.0N LONG 140 00.0W

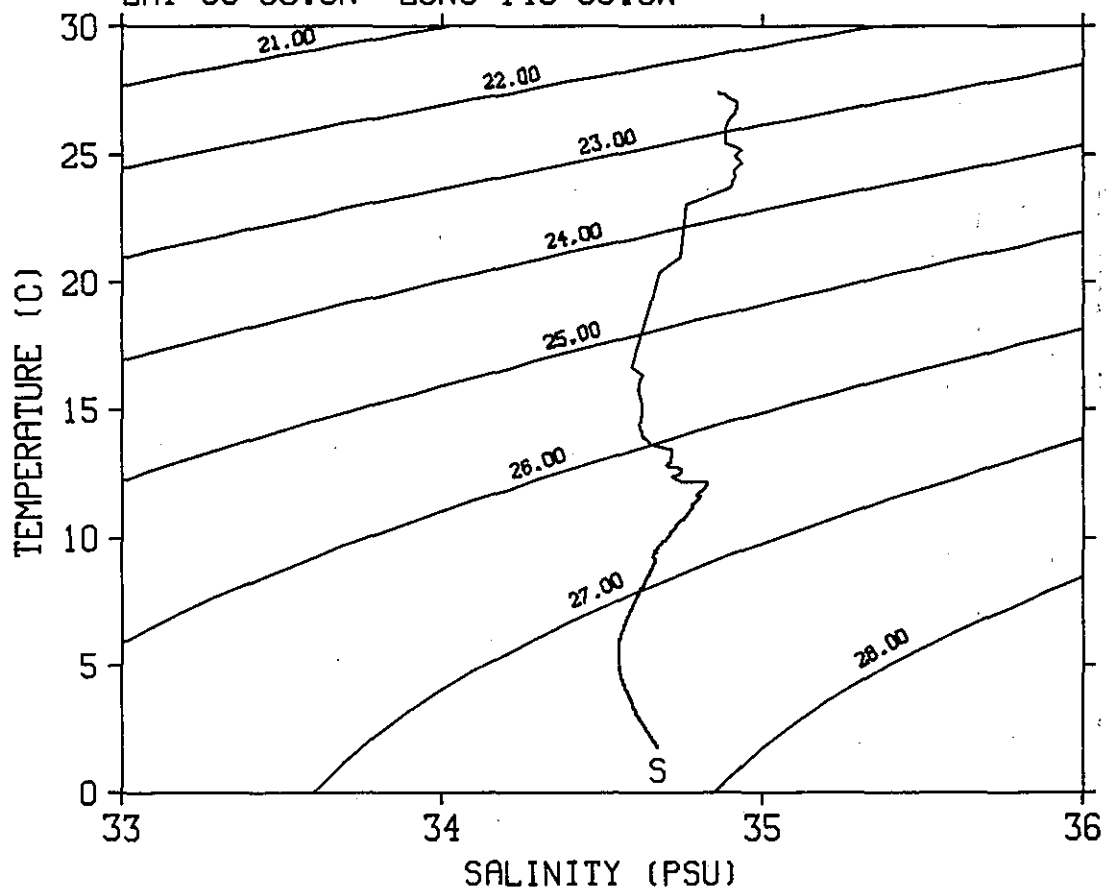


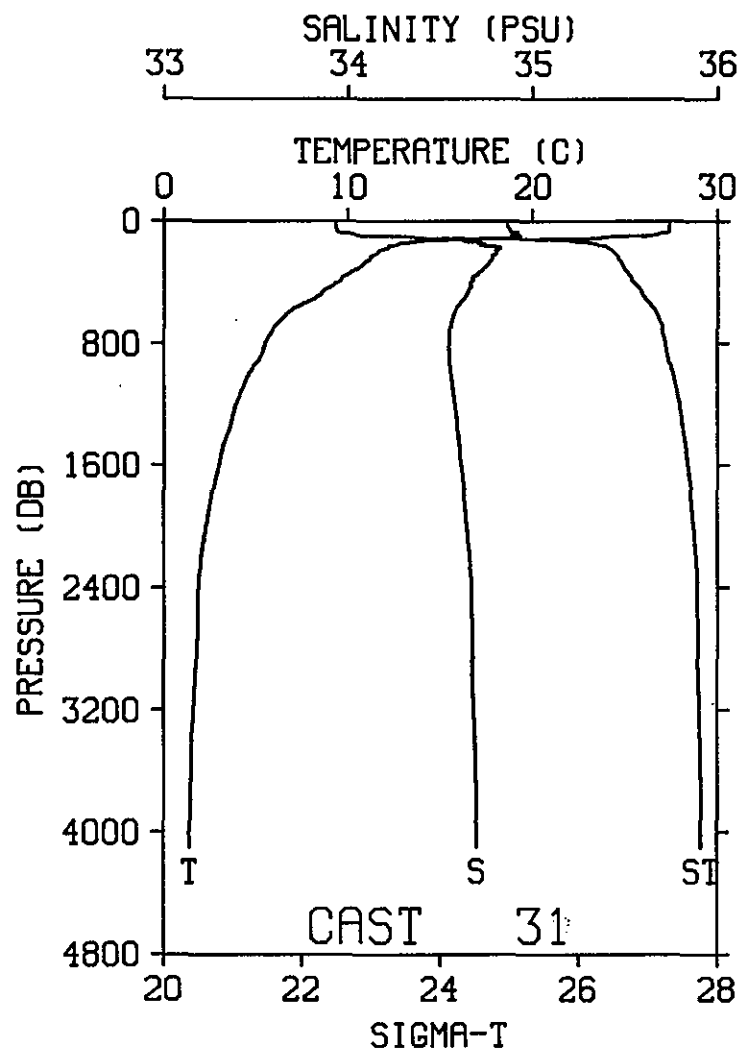


CAST EP3-85-RS-030 DATE 12 OCT 85 TIME 1402 GMT
 LAT 02 00.0N LONG 140 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 120 T SPD 13 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 24.2 WET 21.0 DEPTH 4360 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	26.729	34.936	22.758	0.000
10.	26.738	34.935	22.754	0.051
20.	26.736	34.936	22.756	0.102
30.	26.737	34.936	22.755	0.153
40.	26.735	34.937	22.756	0.204
50.	26.721	34.938	22.761	0.255
60.	26.671	34.940	22.779	0.306
70.	26.574	34.942	22.812	0.357
80.	26.301	34.919	22.880	0.407
90.	23.210	34.960	23.844	0.451
100.	20.546	34.844	24.499	0.489
110.	19.850	34.843	24.682	0.523
120.	18.222	34.814	25.076	0.554
130.	17.468	34.806	25.254	0.582
140.	14.122	34.862	26.056	0.605
150.	13.153	34.871	26.263	0.624
160.	12.896	34.880	26.321	0.641
170.	12.576	34.860	26.370	0.658
180.	12.506	34.873	26.393	0.675
190.	12.374	34.871	26.417	0.692
200.	12.289	34.866	26.430	0.708
250.	12.088	34.858	26.462	0.790
300.	11.473	34.812	26.543	0.869
350.	10.779	34.746	26.618	0.945
400.	9.620	34.682	26.768	1.015
450.	8.809	34.654	26.878	1.081
500.	8.168	34.627	26.956	1.141
550.	7.595	34.603	27.022	1.198
600.	6.768	34.574	27.115	1.252
650.	6.303	34.559	27.165	1.302
700.	5.961	34.555	27.206	1.350
750.	5.700	34.551	27.236	1.397
800.	5.465	34.551	27.264	1.442
850.	5.256	34.552	27.290	1.486
900.	5.016	34.555	27.320	1.529
950.	4.693	34.559	27.360	1.571
1000.	4.544	34.562	27.380	1.610
1008.	4.521	34.564	27.383	1.617

CAST EP3-85-RS-031 DATE 12 OCT 85 TIME 2038 GMT
LAT 03 00.6N LONG 140 00.0W





CAST EP3-85-RS-031 DATE 12 OCT 85 TIME 2038 GMT
 LAT 03 00.6N LONG 140 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 140 T SPD 14 KT VISIBILITY 7
 CLOUD 6 AMOUNT 1 DRY 25.6 WET 21.7 DEPTH 4306 M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PSU)	SIGMA-T	DELTA-D (DYN M)
0.	27.423	34.864	22.482	0.000
10.	27.424	34.862	22.480	0.054
20.	27.424	34.862	22.480	0.107
30.	27.413	34.864	22.485	0.161
40.	27.407	34.866	22.489	0.214
50.	27.398	34.873	22.496	0.268
60.	27.385	34.878	22.504	0.321
70.	27.375	34.880	22.509	0.375
80.	26.982	34.924	22.668	0.428
90.	26.666	34.916	22.763	0.480
100.	24.345	34.910	23.472	0.528
110.	23.593	34.884	23.675	0.571
120.	15.788	34.611	25.498	0.604
130.	13.875	34.627	25.926	0.627
140.	12.947	34.715	26.183	0.647
150.	12.701	34.737	26.249	0.665
160.	12.168	34.770	26.379	0.682
170.	12.193	34.821	26.414	0.699
180.	12.037	34.822	26.444	0.715
190.	11.748	34.802	26.484	0.731
200.	11.607	34.803	26.511	0.747
250.	11.142	34.779	26.578	0.823
300.	10.573	34.739	26.649	0.897
350.	9.908	34.698	26.732	0.967
400.	9.322	34.660	26.800	1.035
450.	8.659	34.649	26.898	1.098
500.	8.179	34.630	26.957	1.159
550.	7.343	34.595	27.052	1.215
600.	6.679	34.572	27.125	1.268
650.	6.292	34.561	27.168	1.317
700.	5.923	34.552	27.209	1.365
750.	5.746	34.551	27.230	1.412
800.	5.520	34.549	27.256	1.458
850.	5.387	34.550	27.273	1.503
900.	5.186	34.550	27.297	1.547
950.	4.854	34.553	27.338	1.589
1000.	4.603	34.560	27.371	1.630
1500.	3.158	34.606	27.556	1.984
2000.	2.297	34.645	27.663	2.269
2500.	1.841	34.669	27.719	2.511
3000.	1.719	34.677	27.735	2.743
3500.	1.479	34.692	27.764	2.965
4000.	1.395	34.698	27.776	3.180
4101.	1.397	34.698	27.776	3.223