

NOAA Data Report ERL PMEL-13



CTD/O₂ MEASUREMENTS DURING 1982 AND 1983 AS PART OF THE EQUATORIAL
PACIFIC OCEAN CLIMATE STUDIES (EPOCS)

L. J. Mangum
S. P. Hayes

Pacific Marine Environmental Laboratory
Seattle, Washington
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noaa

NATIONAL OCEANIC AND
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UNITED STATES
DEPARTMENT OF COMMERCE

Malcolm Baldrige,
Secretary

NATIONAL OCEANIC AND
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Laboratories

Vernon E. Derr,
Director

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Contribution No. 772 from Pacific Marine Environmental Laboratory

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ABSTRACT. During 1982 and 1983, 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 six cruises in 1982 and 1983 are presented. This time period spans the 1982/83 El Niño-Southern Oscillation event, whose effects were seen in the eastern Pacific from August 1982 through June 1983. 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 95°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 caused sea surface temperature (SST) fluctuations on annual and interannual time scales in this area. Summaries of CTD measurements collected on six cruises during 1982 and 1983 as part of PMEL's EPOCS contribution are presented here. This time period is of particular interest since it includes the 1982/83 El Niño-Southern Oscillation (ENSO) event. CTD data from 1979 through 1981 can be found in two previous data reports (Mangum *et al.*, 1980; Mangum and Hayes, 1983).

After concentrating observations along 110°W with several zonal sections along the equator during 1979-1981, the main study area moved eastward in 1982. Figures 1-6 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 (1-6), yy is the year (82 or 83), and zz is the ship code (either DI for the NOAA Ship DISCOVERER or RS for the NOAA Ship RESEARCHER).

Four CTD sections along 95°W were taken in April and November of 1982 and 1983. Additionally, sections along the equator were occupied in May 1982 and October 1983. The April-May 1982 data were taken prior to the start of the 1982/83 ENSO event. Sea level and temperature started to rise in the eastern Pacific near August 1982 (Lukas *et al.*, 1984; Hayes, 1985) and by November 1982 SST was 3-4°C above normal throughout the eastern Pacific. Anomalous conditions persisted in the area until June 1983.

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 (EP4-82-RS and EP2-83-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 using an electronically fired Rosette sampler for calibration purposes.

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. Meridional sections of temperature, salinity, sigma-T, and dissolved oxygen along 95°W are shown in Figures 7-10. Zonal sections along the equator are presented in Figures 11-14. H.P. Freitag supplied the contour plotting program which was used to generate the section plots.

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. 772 from NOAA's Pacific Marine Environmental Laboratory.

5. REFERENCES

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- Hayes, S.P., 1985. Sea level and near surface temperature variability at the Galápagos Islands 1979-1983. In *Galápagos 1982-83: A Chronicle of the effects of El Niño*, edited by G. Robinson and E. del Pino, in press.
- 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.
- Lukas, R., S.P. Hayes, and K. Wyrski, 1984. Equatorial sea level response during the 1982-1983 El Niño. *J. Geophys. Res.*, 89, 10425-10430.
- Mangum, L.J., N.N. Soreide, B.D. Davies, B.D. Spell, S.P. Hayes, 1980. CTD/O₂ measurements during the Equatorial Pacific Ocean Climate Study (EPOCS) in 1979. NOAA Data Report ERL PMEL-1, 645 pp.
- Mangum, L.J., and S.P. Hayes, 1983. CTD/O₂ measurements during 1980 and 1981 as part of the Equatorial Pacific Ocean Climate Studies (EPOCS). NOAA Data Report ERL PMEL-9, 621 pp.

FIGURES AND TABLES

EP2-82-D1
24 MARCH - 27 APRIL 1982
CALLAO - HONOLULU

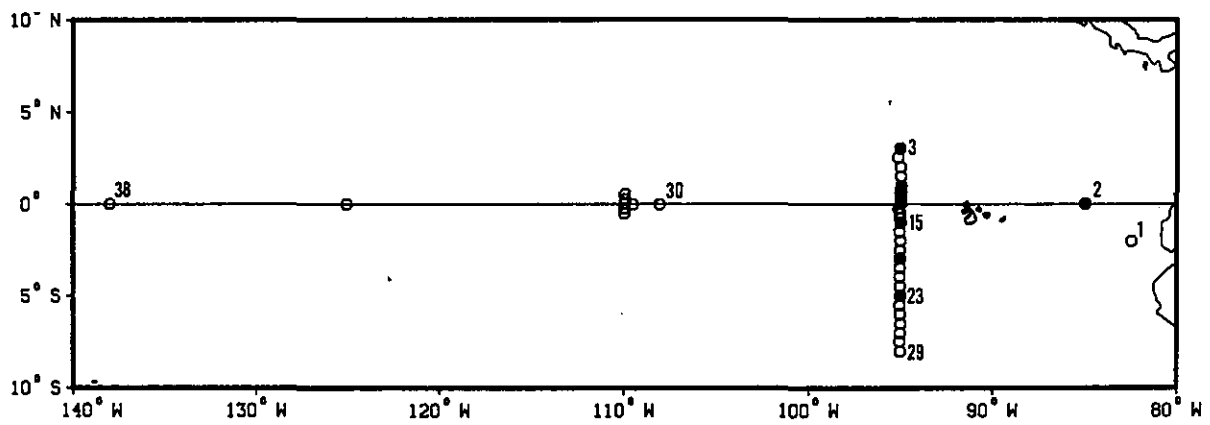
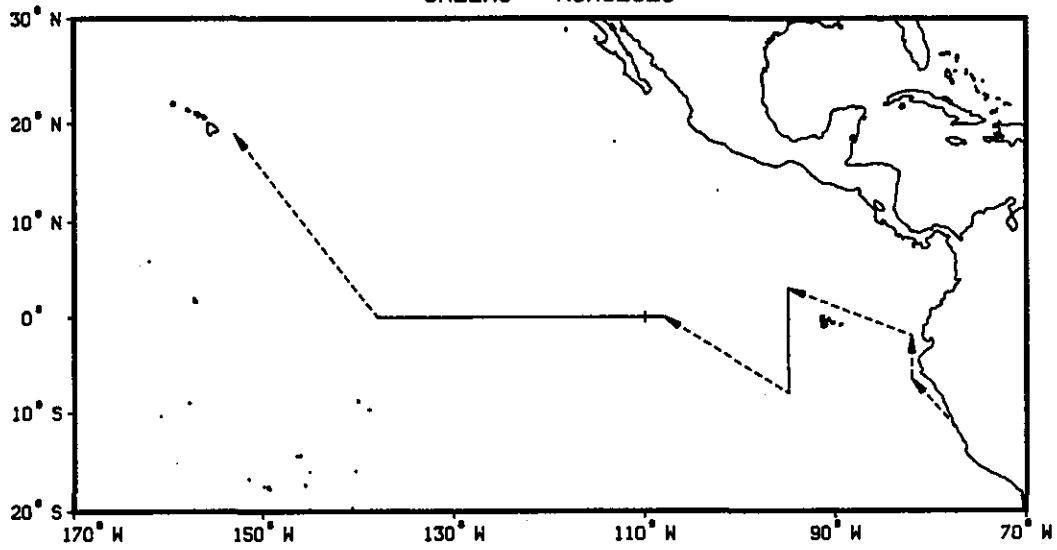


Figure 1.--Cruise track and CTD/O₂ stations occupied during EP2-82-D1.

EP3-82-DI
NB CTD/O2 CASTS
7 - 22 MAY 1982
HONOLULU - KWAJALEIN

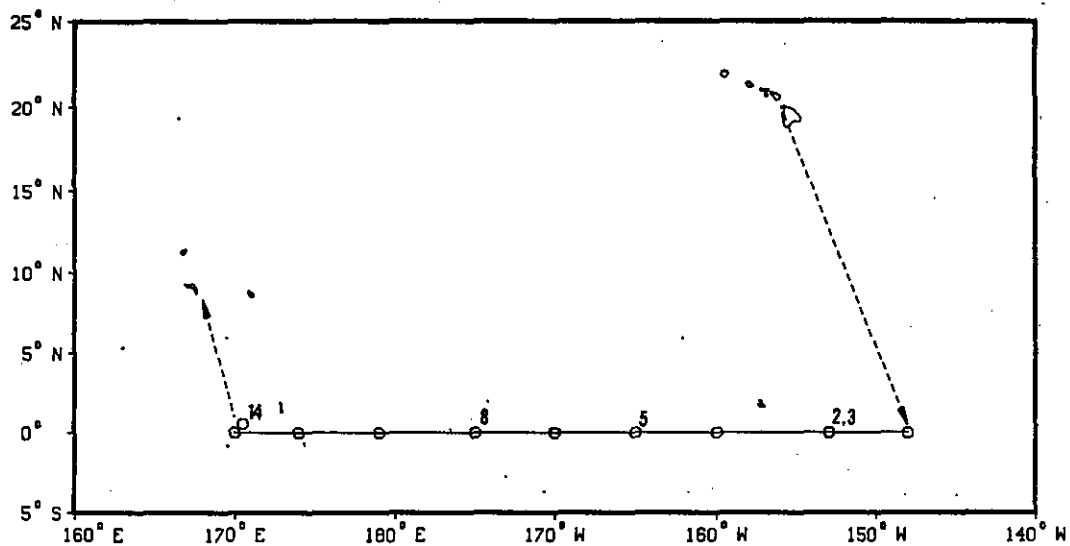
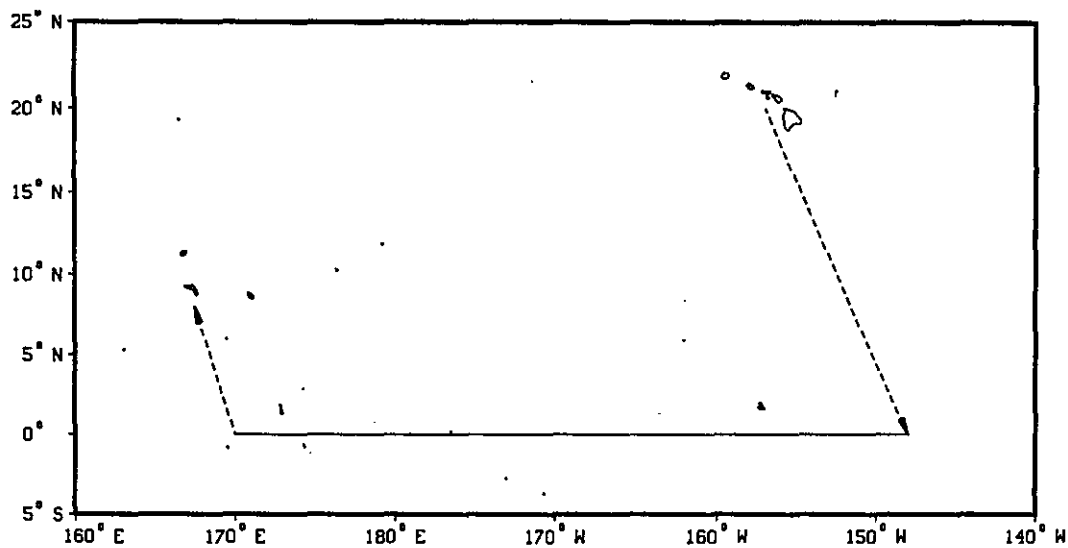


Figure 2.--Cruise track and CTD/O₂ stations occupied during EP3-82-DI.

EP4-82-RS
18 OCTOBER - 16 NOVEMBER 1982
PANAMA - CALLAO

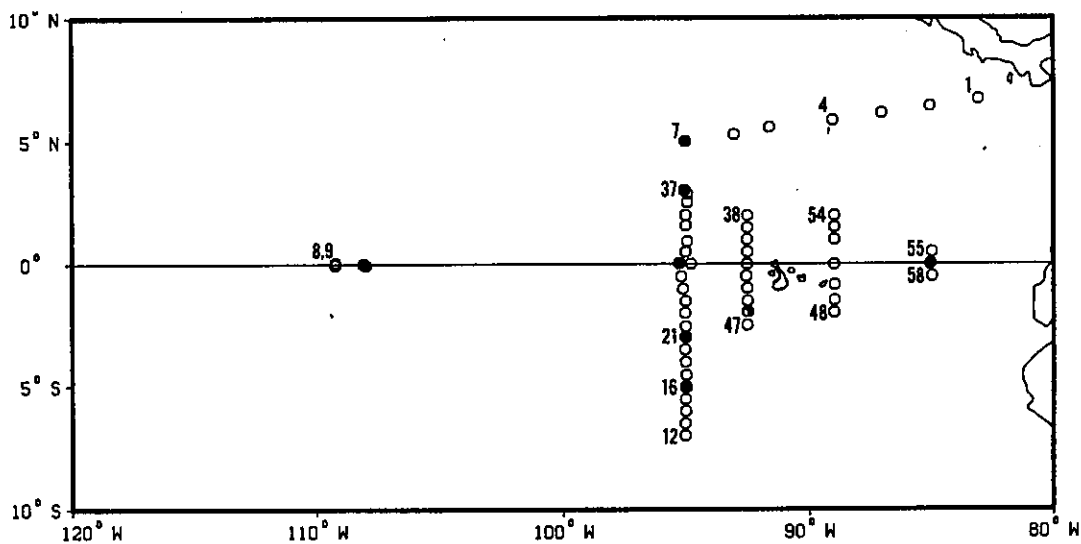
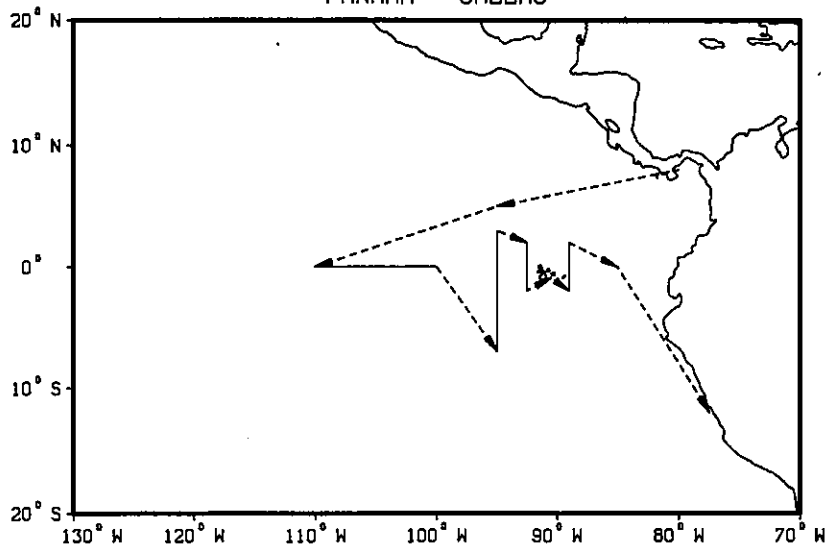


Figure 3.--Cruise track and CTD/O₂ stations occupied during EP4-82-RS.

EP2-83-RS
13 APRIL - 10 MAY 1983
CALLAO - PANAMA

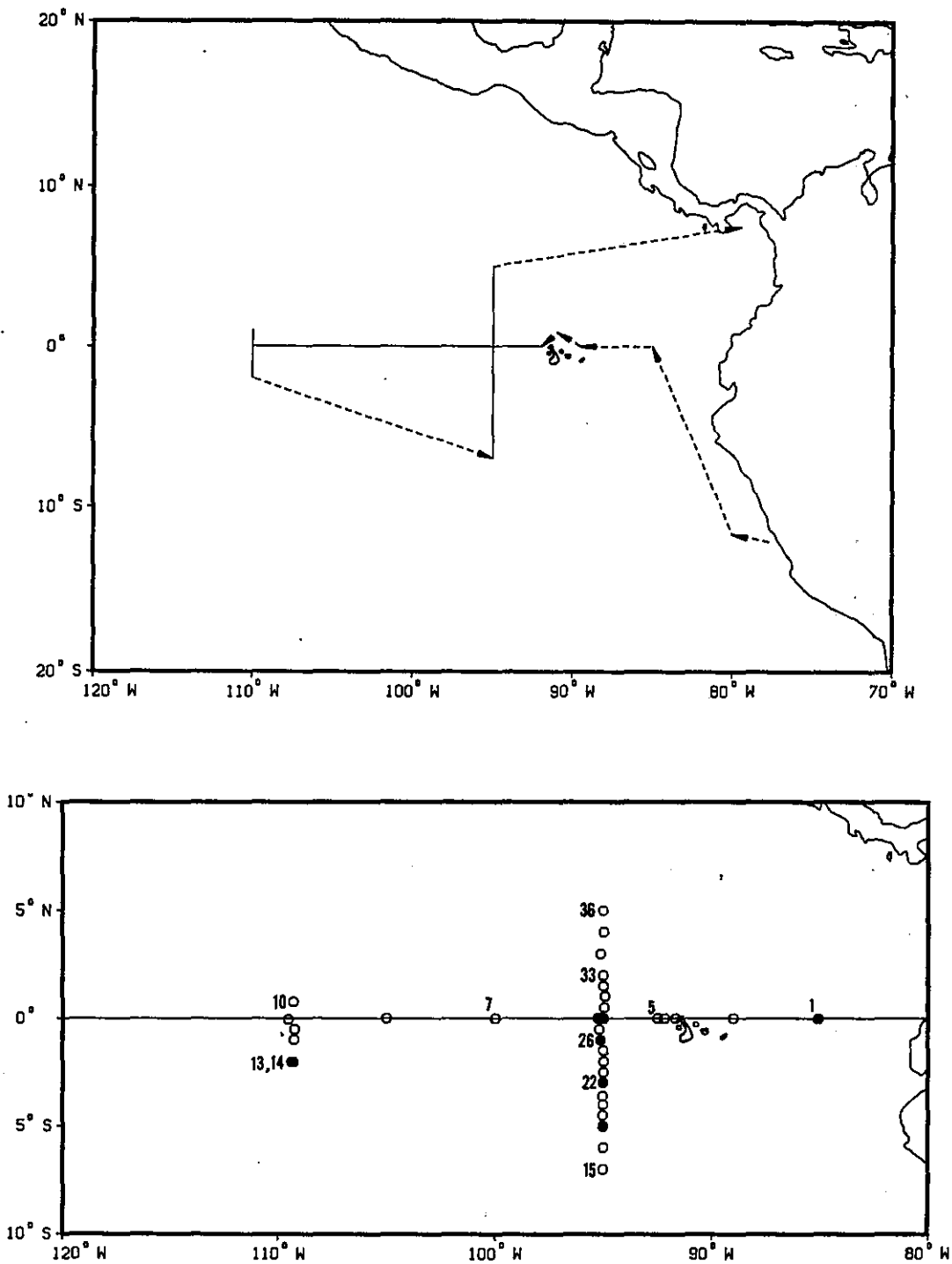


Figure 4.--Cruise track and CTD/O₂ stations occupied during EP2-83-RS.

EP5-83-DI
7 OCTOBER - 6 NOVEMBER 1983
SEATTLE - MANZANILLO

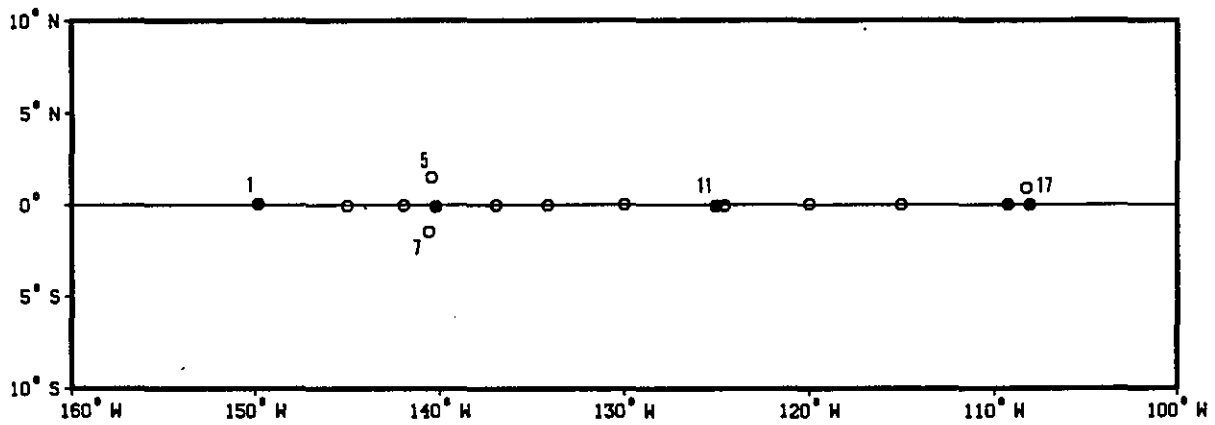
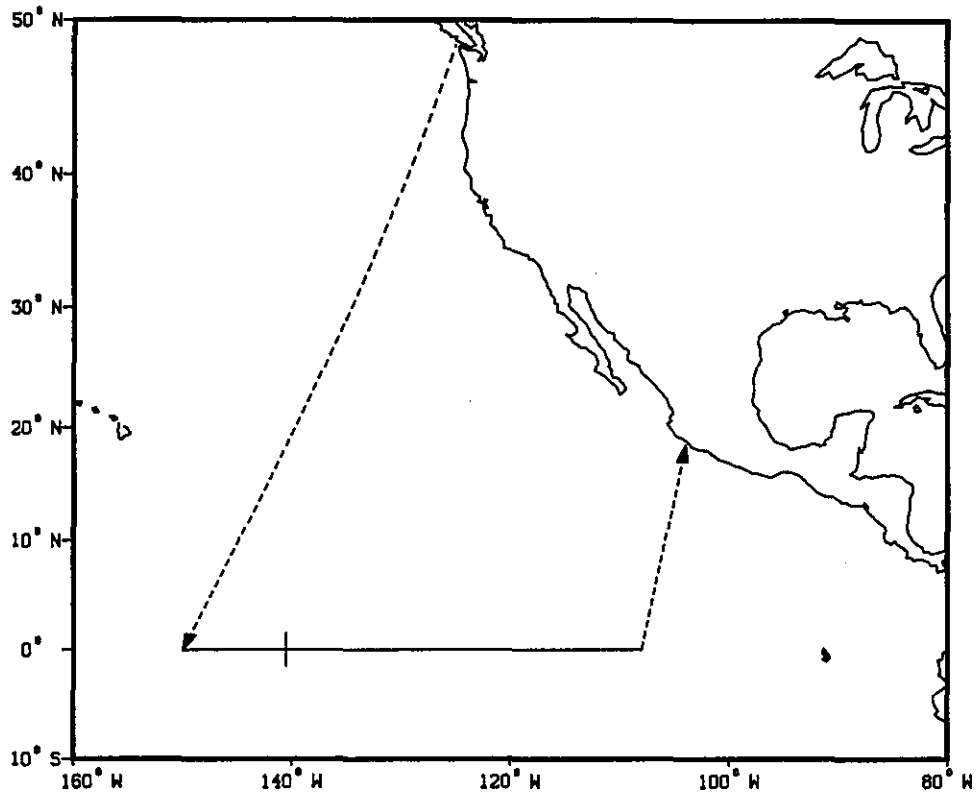


Figure 5.--Cruise track and CTD/O₂ stations occupied during EP5-83-DI.

EP6-83-DI
10 NOVEMBER - 6 DECEMBER 1983
MANZANILLO - SEATTLE

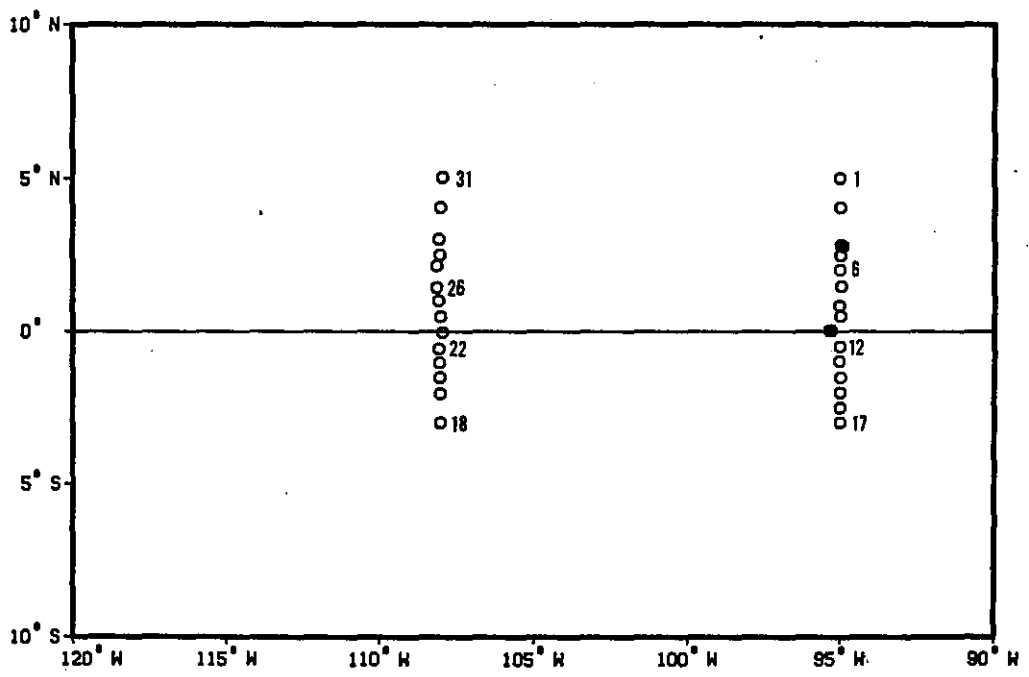
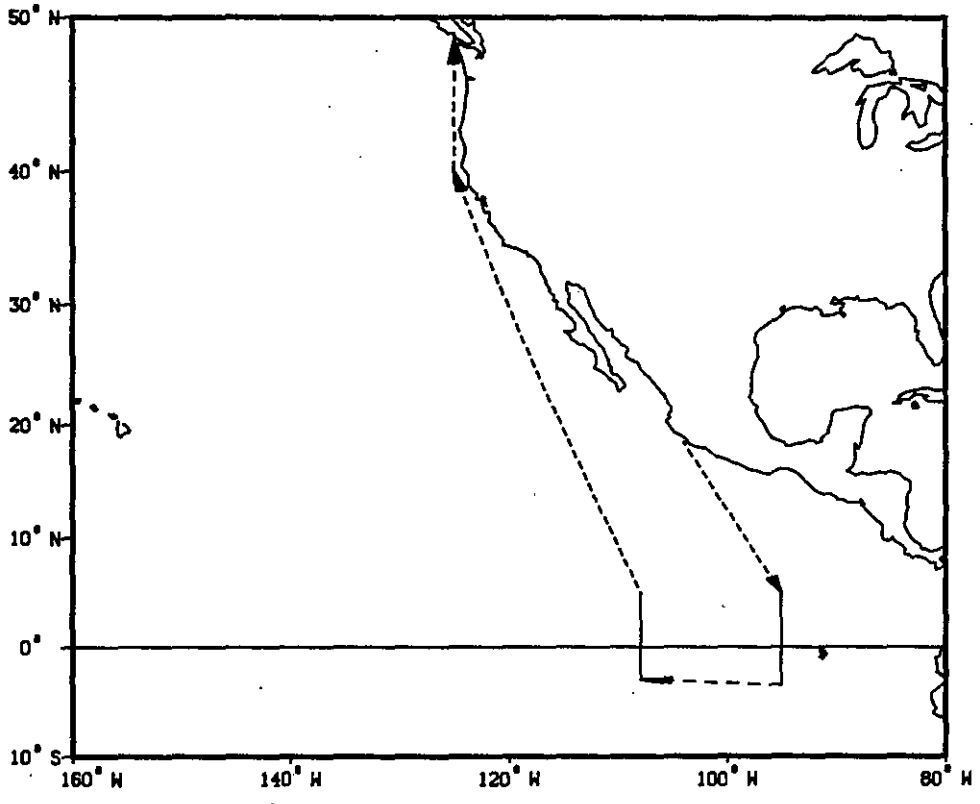


Figure 6.--Cruise track and CTD/O₂ stations occupied during EP6-83-DI.

TEMPERATURE, °C
95°W

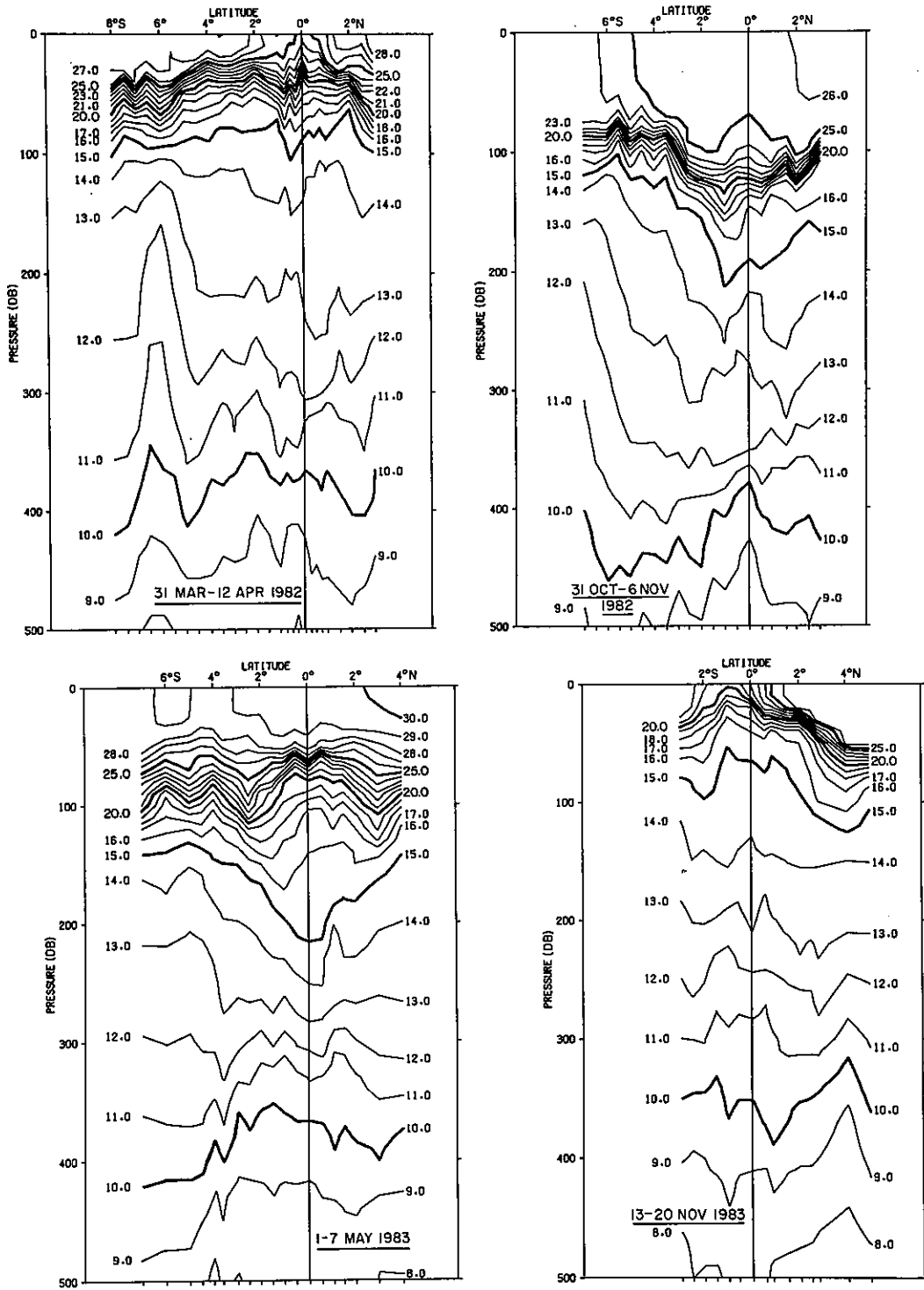


Figure 7.--Temperature (°C) sections along 95°W in 1982 and 1983.

SALINITY, ‰
95°W

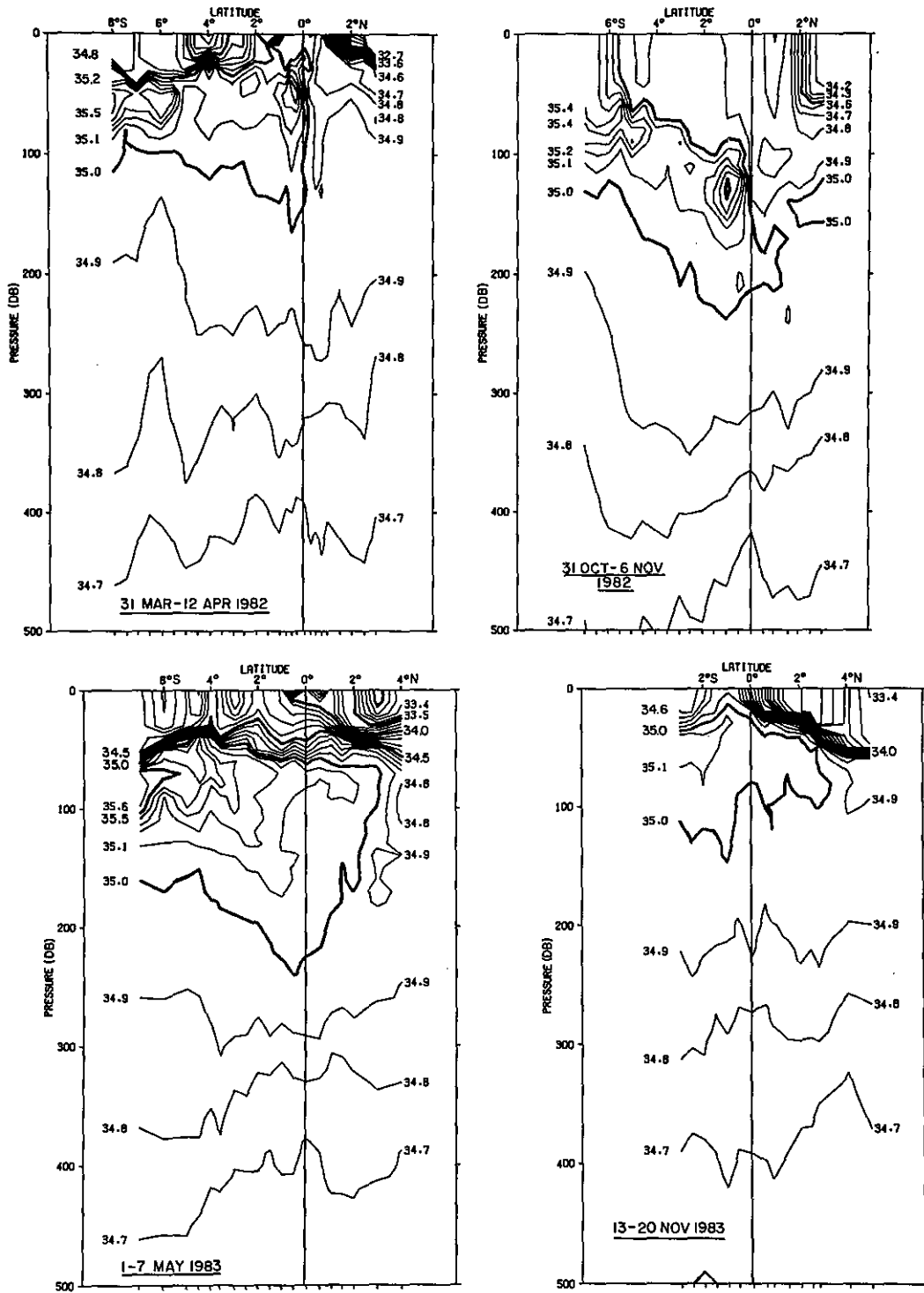


Figure 8.--Salinity (‰) sections along 95°W in 1982 and 1983.

SIGMA-t, kg/m³
95°W

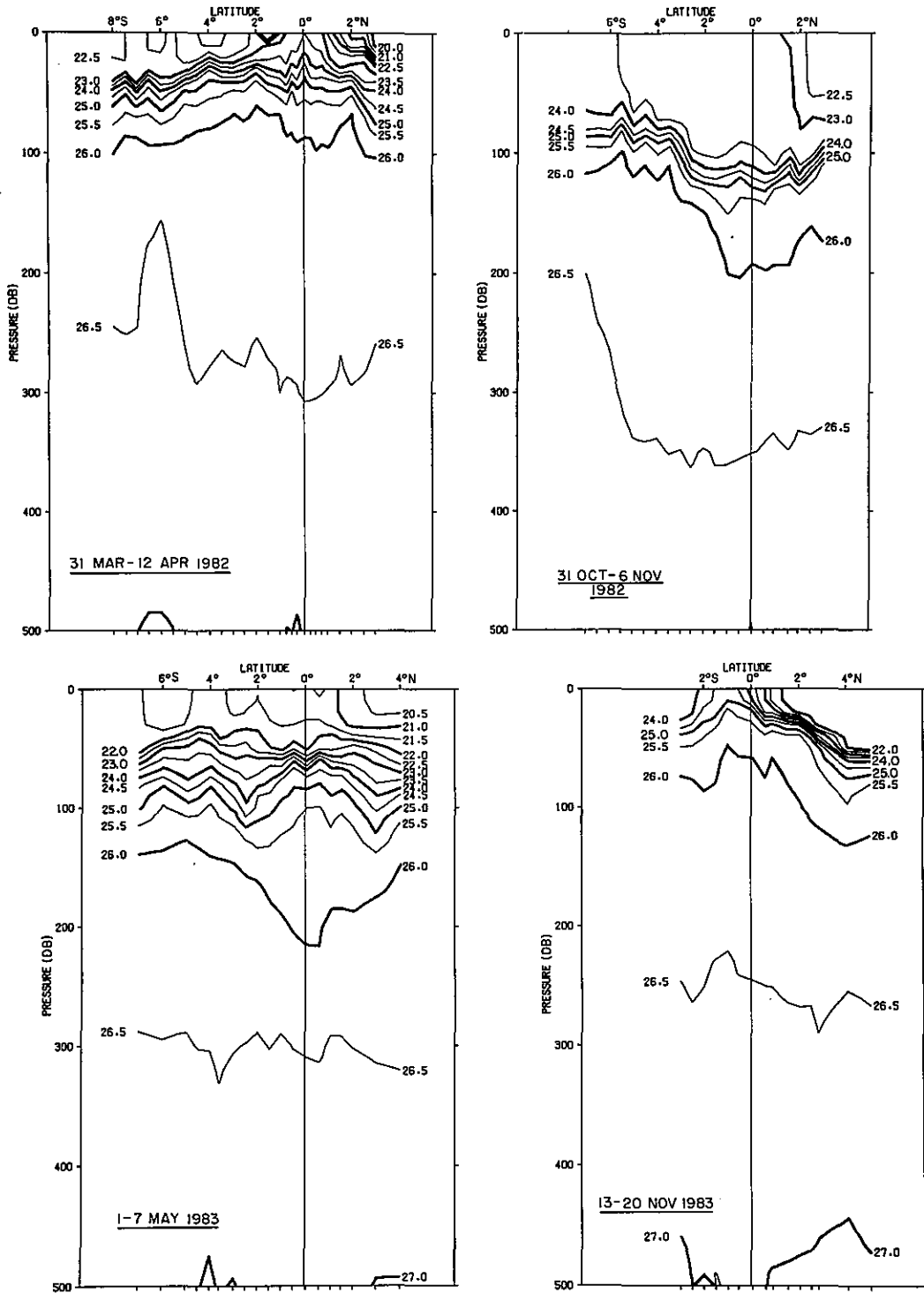


Figure 9.--Sigma-T (Kg/m³) sections along 95°W in 1982 and 1983.

OXYGEN, ml/l
95°W

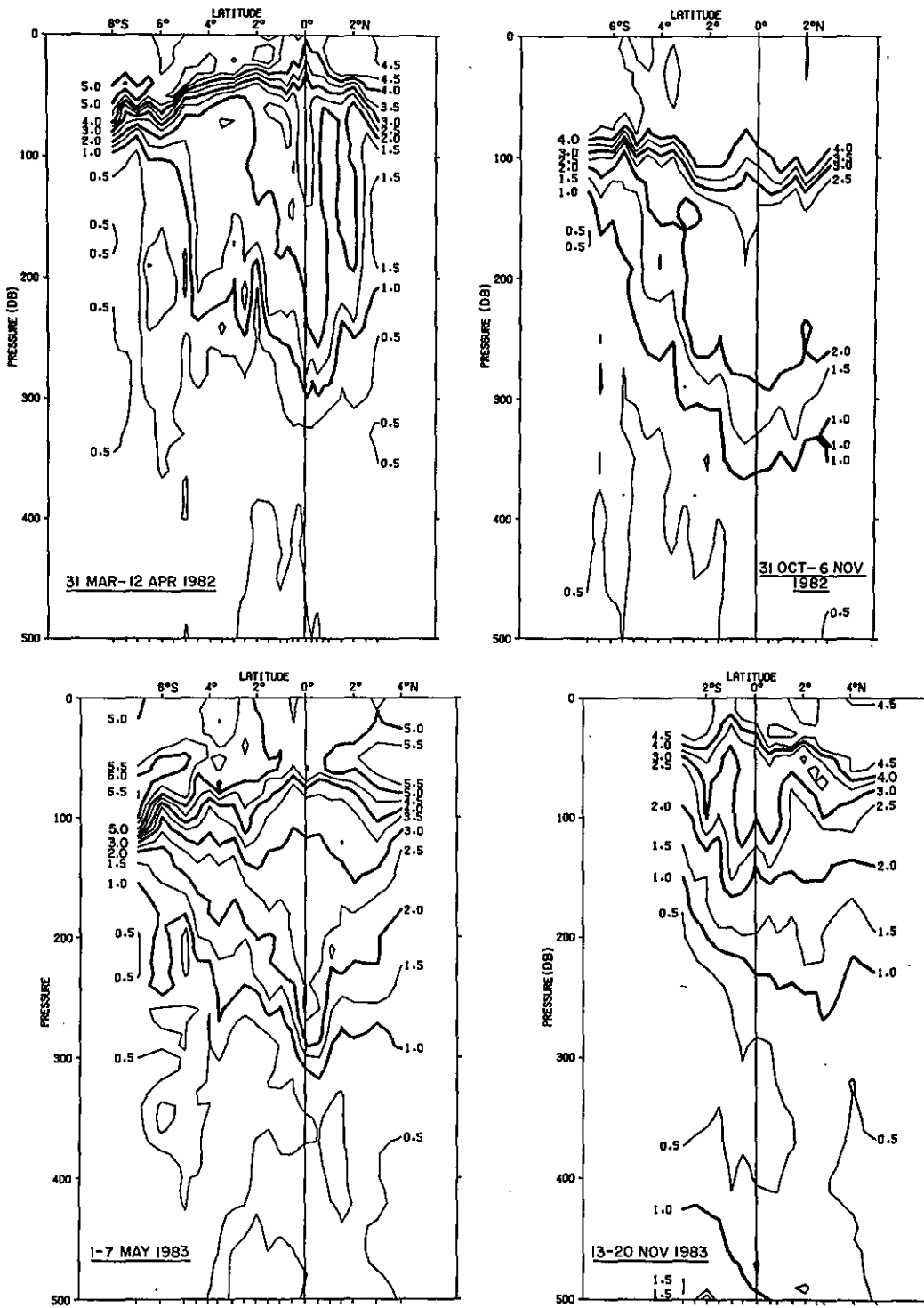


Figure 10.--Oxygen (ml/l) sections along 95°W in 1982 and 1983.

TEMPERATURE, °C EQUATOR

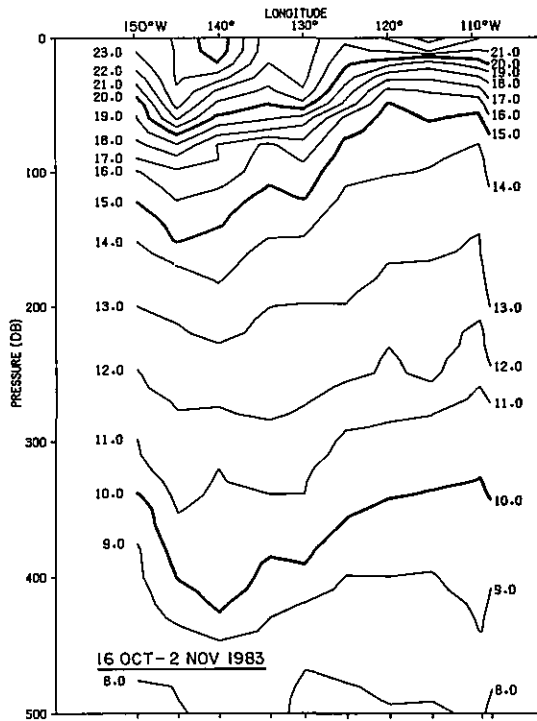
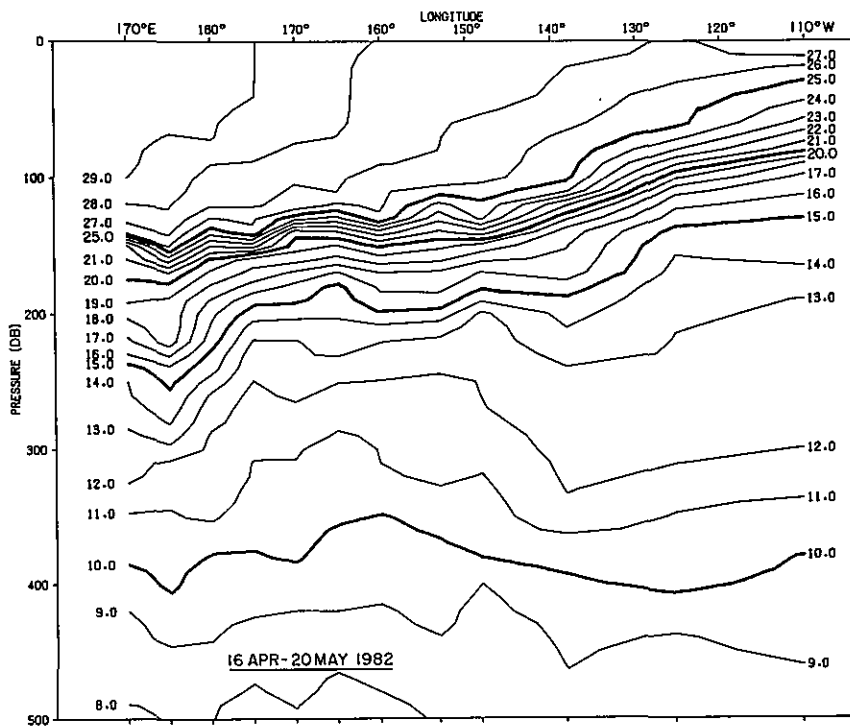


Figure 11.--Temperature (°C) sections along the equator in 1982 and 1983.

SALINITY, ‰
EQUATOR

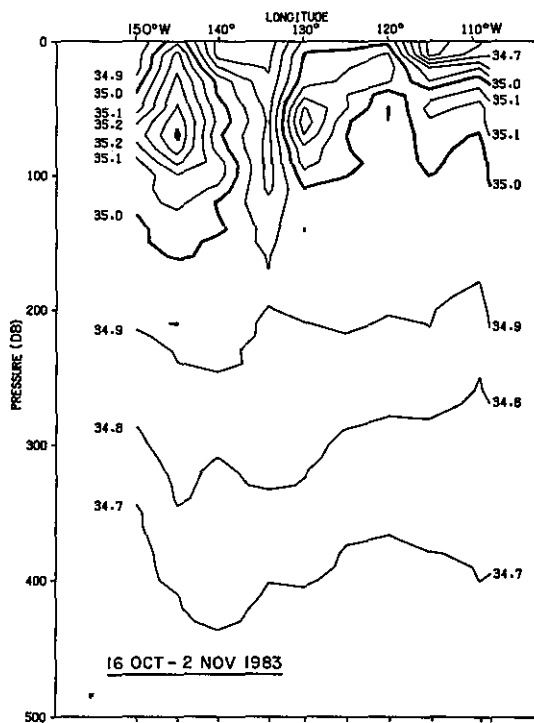
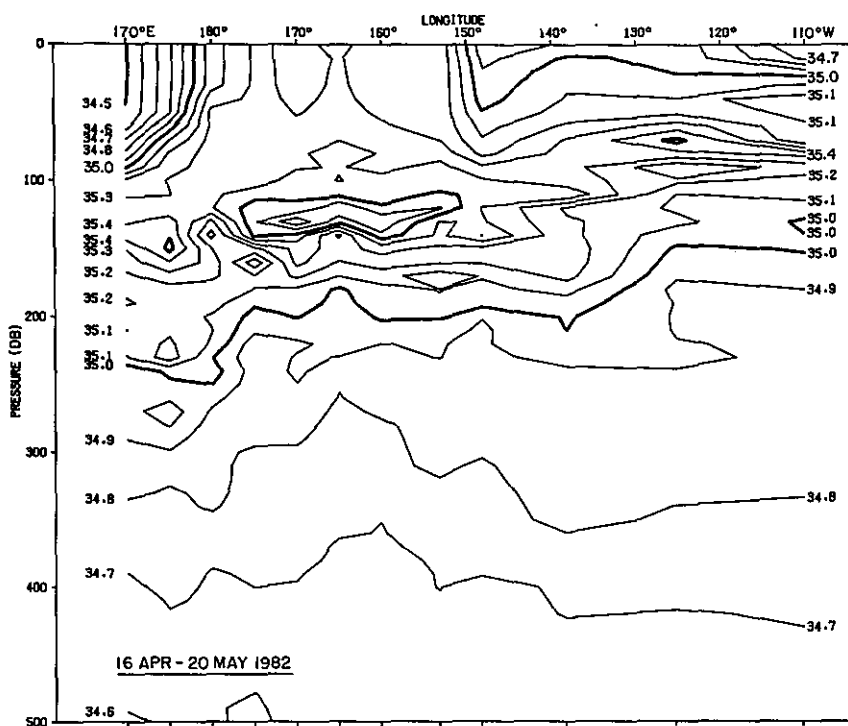


Figure 12.--Salinity (‰) sections along the equator in 1982 and 1983.

SIGMA-t, kg/m³
EQUATOR

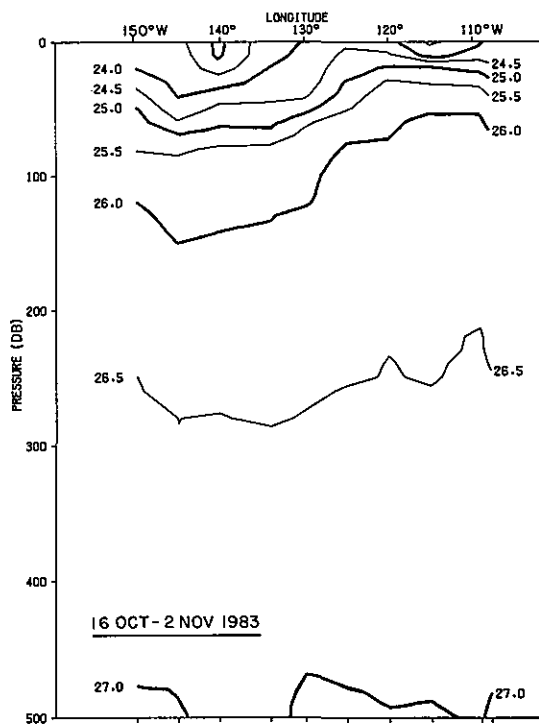
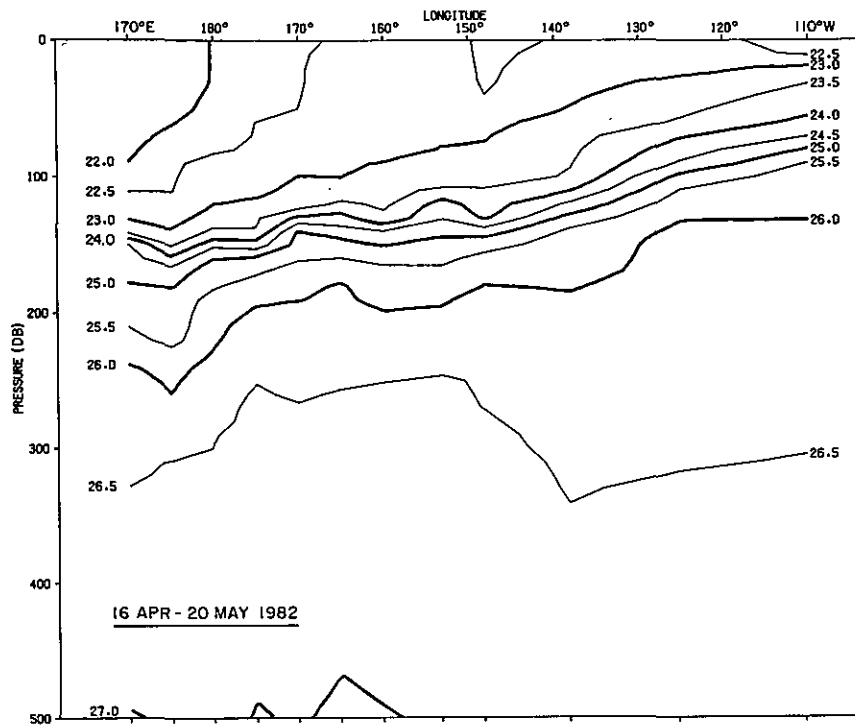


Figure 13.--Sigma-T (Kg/m³) sections along the equator in 1982 and 1983.

OXYGEN, ml/l EQUATOR

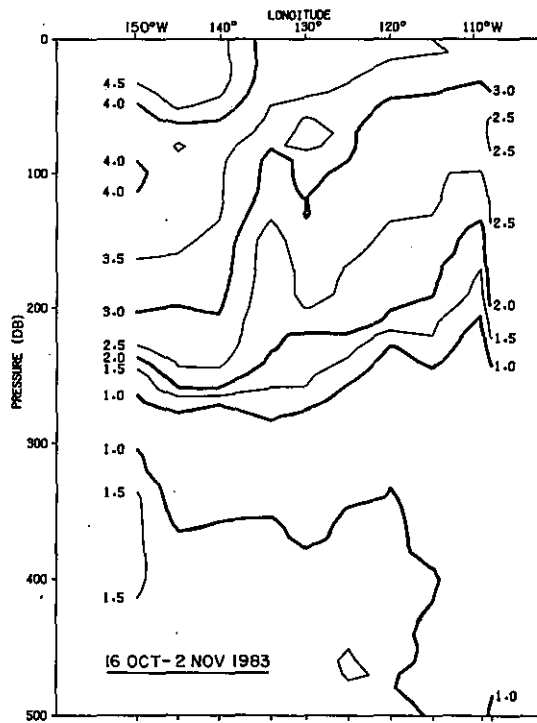
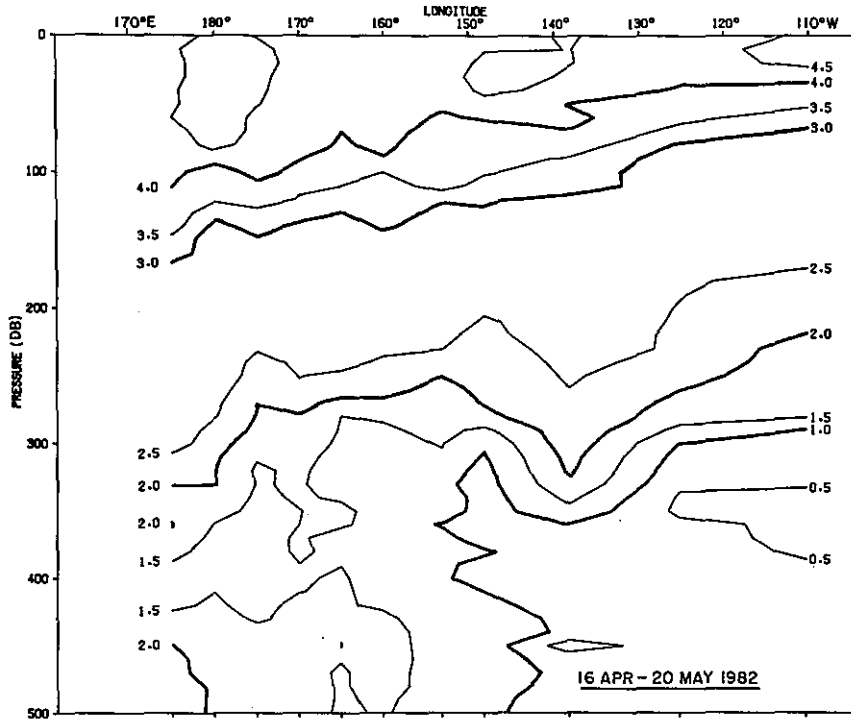


Figure 14.--Oxygen (ml/l) sections along the equator in 1982 and 1983.

TABLE 1

Abbreviations and units used to describe each set of CTD measurements

SALINITY	Salinity, parts per thousand (‰)
TEMPERATURE	Temperature, degrees Celsius (°C)
CAST EP2-82-DI-007	CTD measurement station <u>007</u> 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

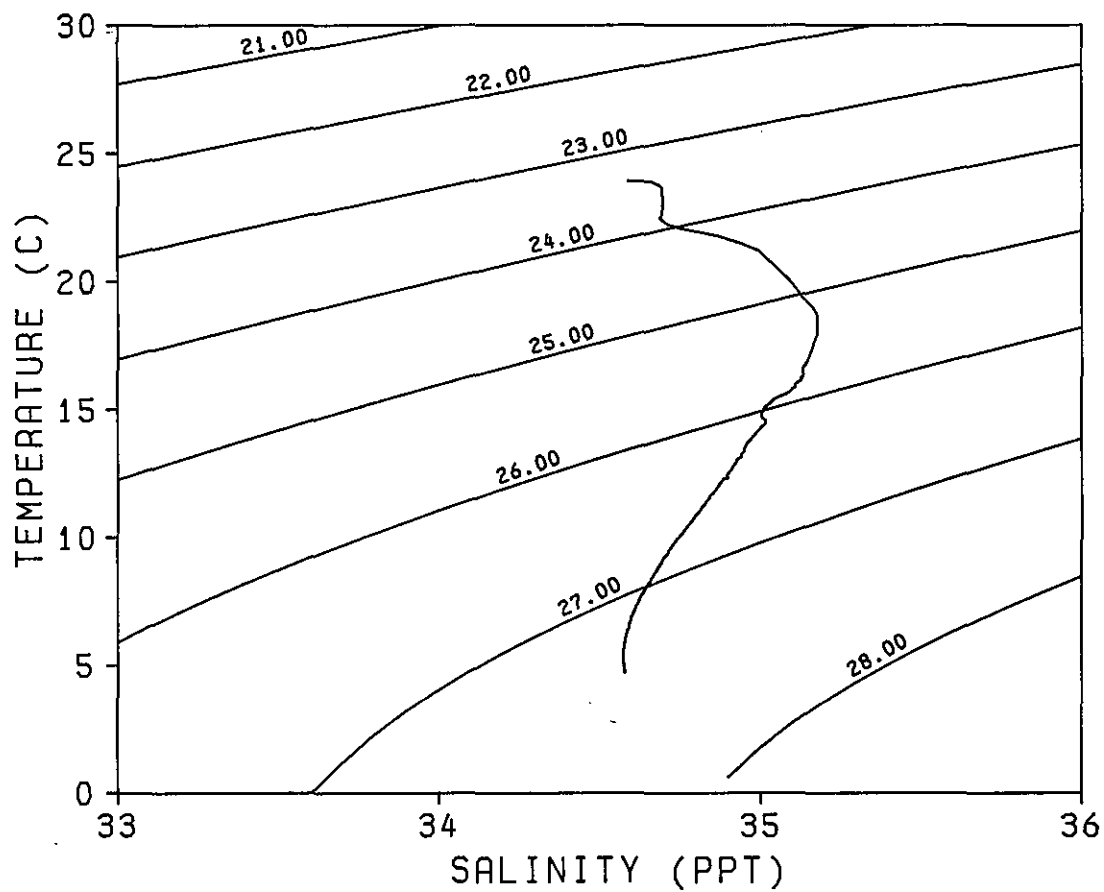


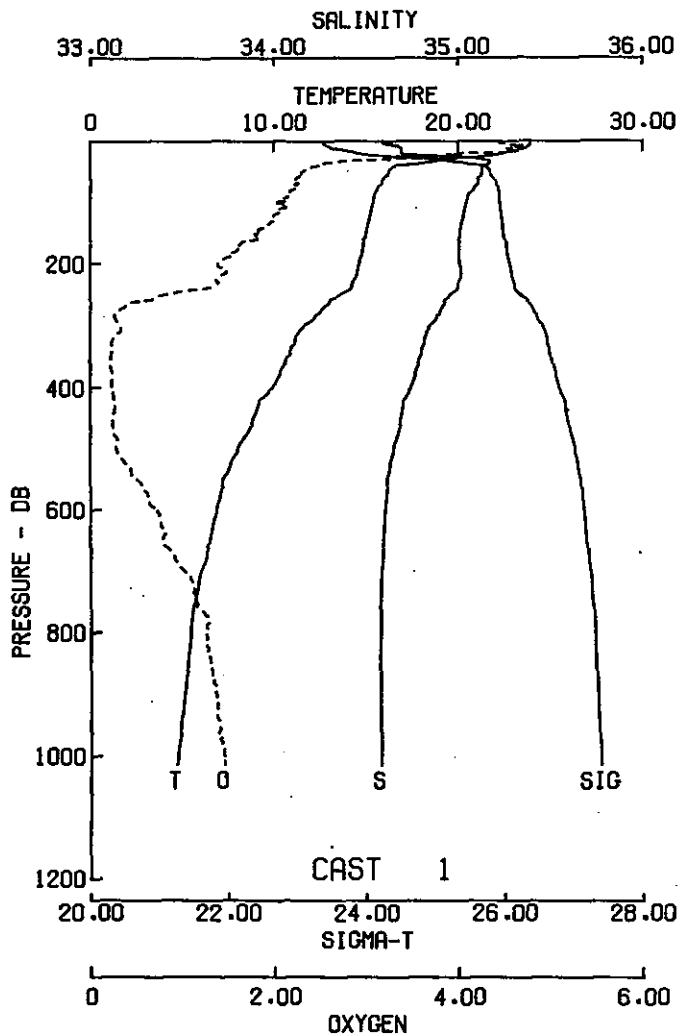
EP2-82-DI

24 March - 27 April 1982

NBIS CTD/O₂ Data Summary

CAST EP2-82-DI-001 DATE 26 MAR 82 TIME 0313 GMT
LAT 2 01.1S LONG 082 28.7W

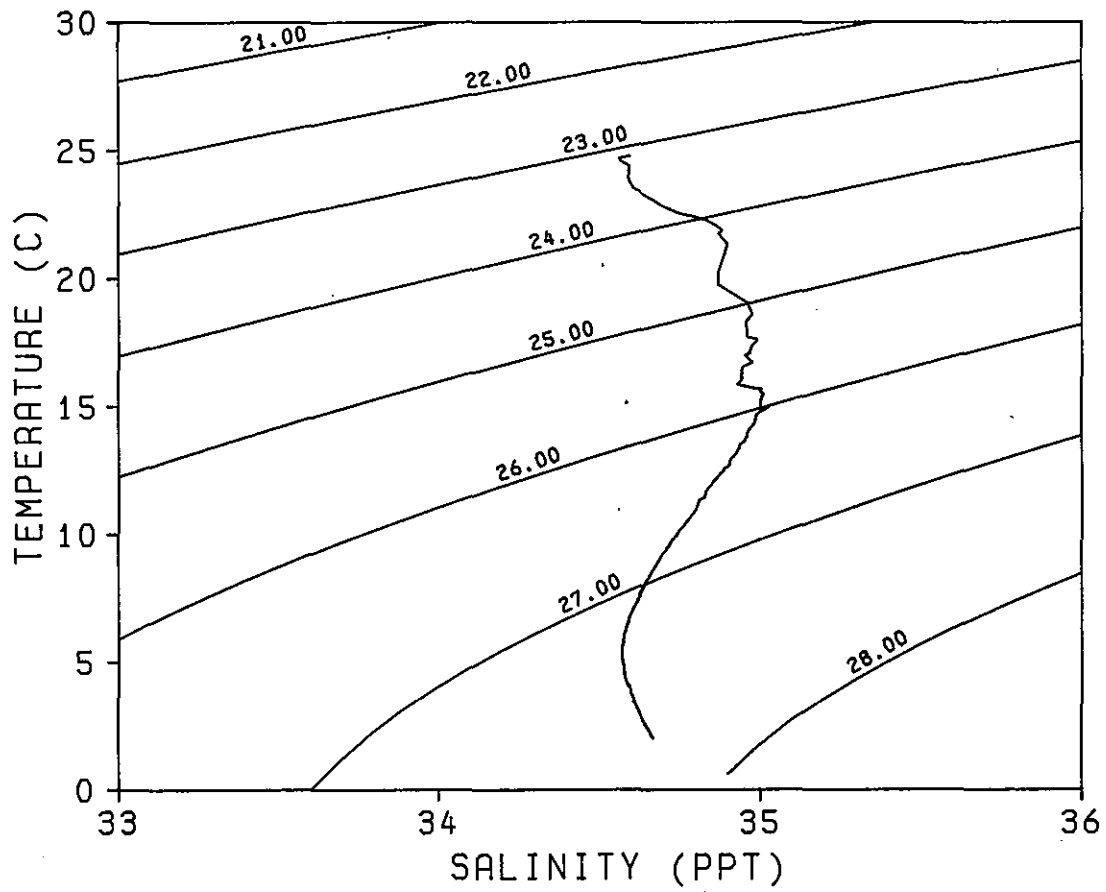


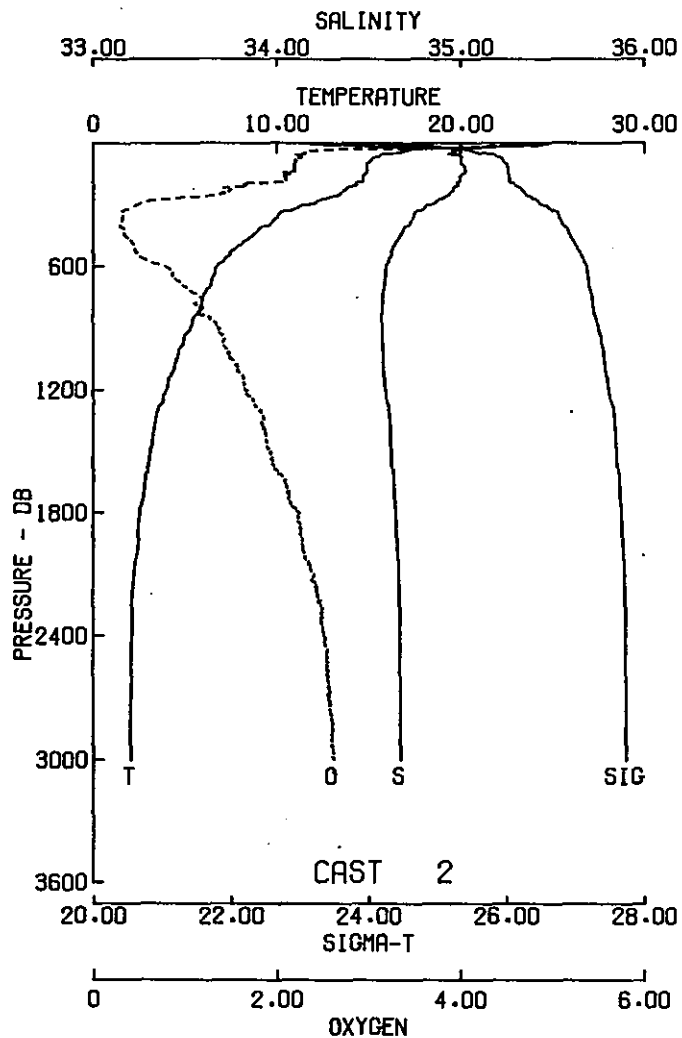


CAST FF-82-DI-001 DATE 26 MAR 82 TIME 0313 GMT
 LAT 2 01.15 LONG 182 28.74 WEATHER C SEA STATE 3
 BAROMETER 11 WIND DIR 180 T SPD 07 KT VISIBILITY 7
 CLOUD X AMOUNT 0 DRY 23.6 WET 22.2 DEPTH 2446 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-CM)
0.	23.907	34.589	4.44	23.376	0.000
10.	23.758	34.581	4.45	23.499	.045
20.	23.448	34.586	4.49	23.872	.087
30.	19.355	34.581	3.49	25.045	.123
40.	16.781	34.581	2.51	25.690	.150
50.	16.260	34.581	2.43	25.806	.172
60.	16.016	34.581	2.32	25.848	.194
70.	15.825	34.581	2.27	25.885	.216
80.	15.601	34.581	2.20	25.918	.237
90.	15.439	34.581	2.14	25.932	.258
100.	15.404	34.581	2.05	25.934	.278
110.	15.302	34.581	2.10	25.950	.300
120.	15.227	34.581	2.03	25.951	.321
130.	15.158	34.581	2.03	25.972	.342
140.	15.081	34.581	1.90	25.984	.363
150.	15.025	34.581	1.87	25.992	.384
160.	14.933	34.581	1.82	26.000	.404
170.	14.836	34.581	1.83	26.027	.424
180.	14.782	34.581	1.85	26.038	.445
190.	14.697	34.581	1.49	26.057	.465
200.	14.619	34.581	1.43	26.077	.485
250.	13.647	34.581	.81	26.244	.583
300.	11.637	34.581	.32	26.554	.667
350.	9.745	34.581	.23	26.677	.742
400.	8.890	34.581	.23	26.787	.813
450.	8.860	34.581	.25	26.915	.877
500.	7.995	34.581	.28	27.015	.936
550.	7.220	34.581	.51	27.103	.991
600.	6.850	34.581	.73	27.145	1.043
650.	6.492	34.581	.74	27.187	1.093
700.	6.598	34.581	.81	27.244	1.141
750.	6.690	34.581	1.15	27.279	1.187
800.	6.418	34.581	1.26	27.310	1.231
850.	6.276	34.581	1.30	27.327	1.274
900.	6.074	34.581	1.36	27.351	1.316
950.	4.903	34.581	1.40	27.372	1.358
1000.	4.727	34.581	1.45	27.394	1.398
1014.	4.678	34.581	1.46	27.400	

CAST EP2-82-DI-002 DATE 27 MAR 82 TIME 2308 GMT
LAT 00 02.0N LONG 084 58.4W

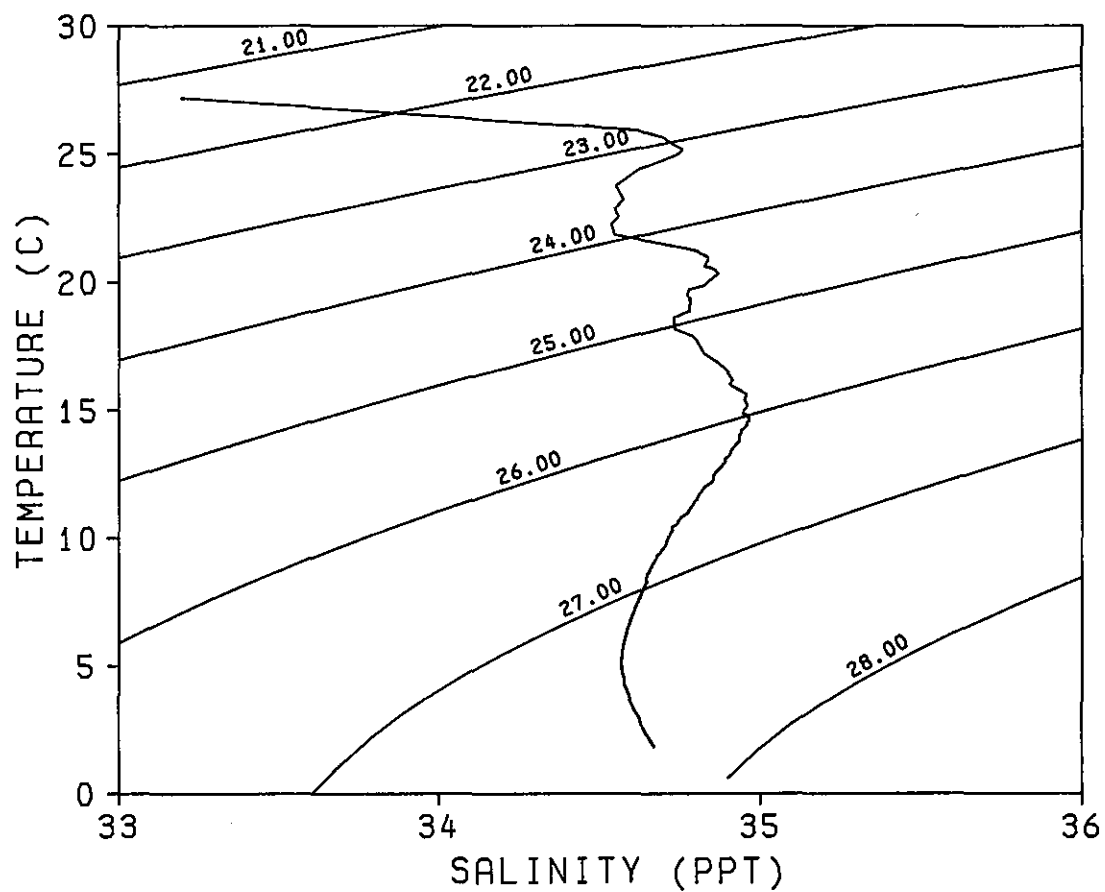


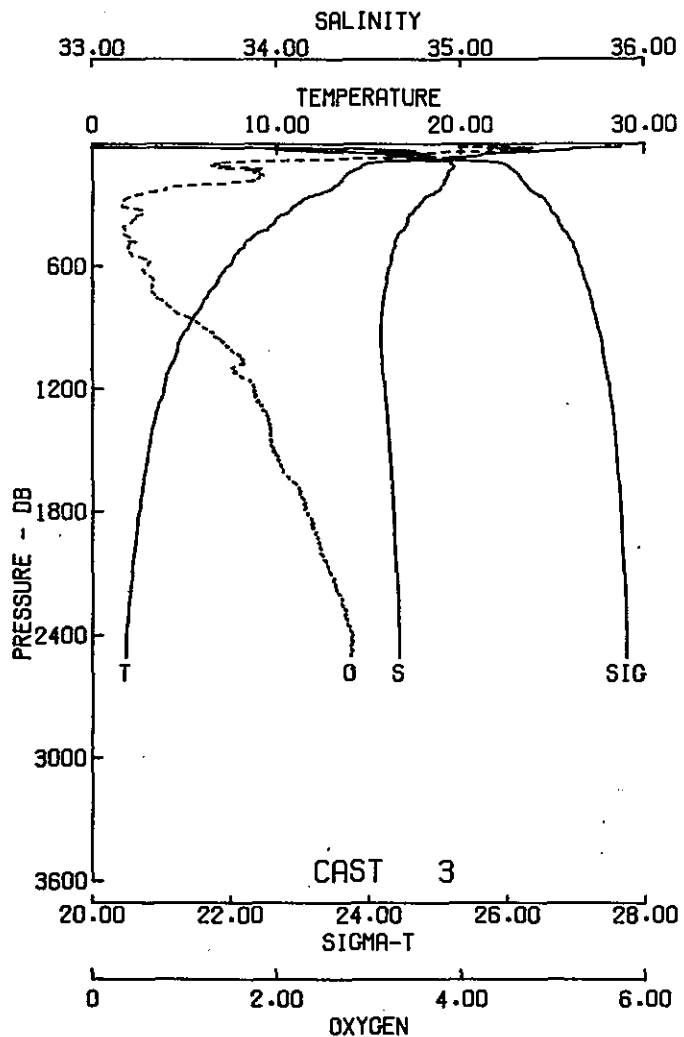


CAST EP2-P2-DI-002 DATE 27 MAR 82 TIME 2300 GMT
 LAT 30 02.0N LONG 084 58.4W WEATHER 1 SEA STATE 2
 BAROMETER 08 WIND DIR 200 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 25.0 WET 23.0 DEPTH 3314 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.767	34.594	4.46	23.124	0.000
10.	24.216	34.590	4.63	23.286	0.047
20.	22.189	34.843	4.10	24.063	0.290
30.	18.295	34.956	3.19	25.182	0.124
40.	17.053	34.970	3.39	25.496	0.150
50.	15.663	34.971	3.50	25.589	0.174
60.	15.657	34.988	3.50	25.833	0.197
70.	15.437	34.012	2.28	25.901	0.219
80.	15.216	34.003	2.24	25.943	0.243
90.	15.132	34.002	2.22	25.962	0.261
100.	14.999	34.002	2.22	25.991	0.282
110.	14.929	34.018	2.19	26.020	0.300
120.	14.930	34.022	2.22	26.021	0.322
130.	14.936	34.022	2.21	26.023	0.344
140.	14.944	34.028	2.21	26.023	0.363
150.	14.884	34.019	2.15	26.029	0.383
160.	14.753	34.002	2.11	26.044	0.404
170.	14.726	34.008	2.11	26.047	0.424
180.	14.724	34.009	2.10	26.048	0.444
190.	14.705	34.005	2.11	26.059	0.464
200.	14.340	34.003	1.53	26.119	0.484
250.	13.406	34.006	1.40	26.278	0.579
300.	11.866	34.044	1.50	26.511	0.664
350.	11.159	34.049	1.30	26.748	0.737
400.	8.753	34.072	1.30	26.814	0.805
450.	8.733	34.055	1.30	26.926	0.868
500.	8.063	34.044	1.40	27.005	0.927
550.	7.425	34.021	1.50	27.081	0.983
600.	6.756	34.005	1.75	27.154	1.033
650.	6.553	34.001	1.86	27.178	1.085
700.	6.378	34.005	1.99	27.197	1.134
750.	6.089	34.044	1.16	27.240	1.180
800.	5.835	34.044	1.18	27.259	1.229
850.	5.516	34.044	1.27	27.296	1.277
900.	5.274	34.044	1.34	27.325	1.315
950.	4.921	34.044	1.41	27.368	1.351
1000.	4.719	34.044	1.45	27.393	1.380
1500.	3.113	34.033	1.44	27.505	1.480
2000.	2.382	34.044	2.23	27.684	2.028
2500.	2.077	34.044	2.53	27.719	2.277
3000.	2.039	34.044	2.61	27.726	2.528
3006.	2.039	34.070	2.61	27.726	

CAST EP2-82-DI-003 DATE 31 MAR 82 TIME 1532 GMT
LAT 03 01.5N LONG 095 01.8W

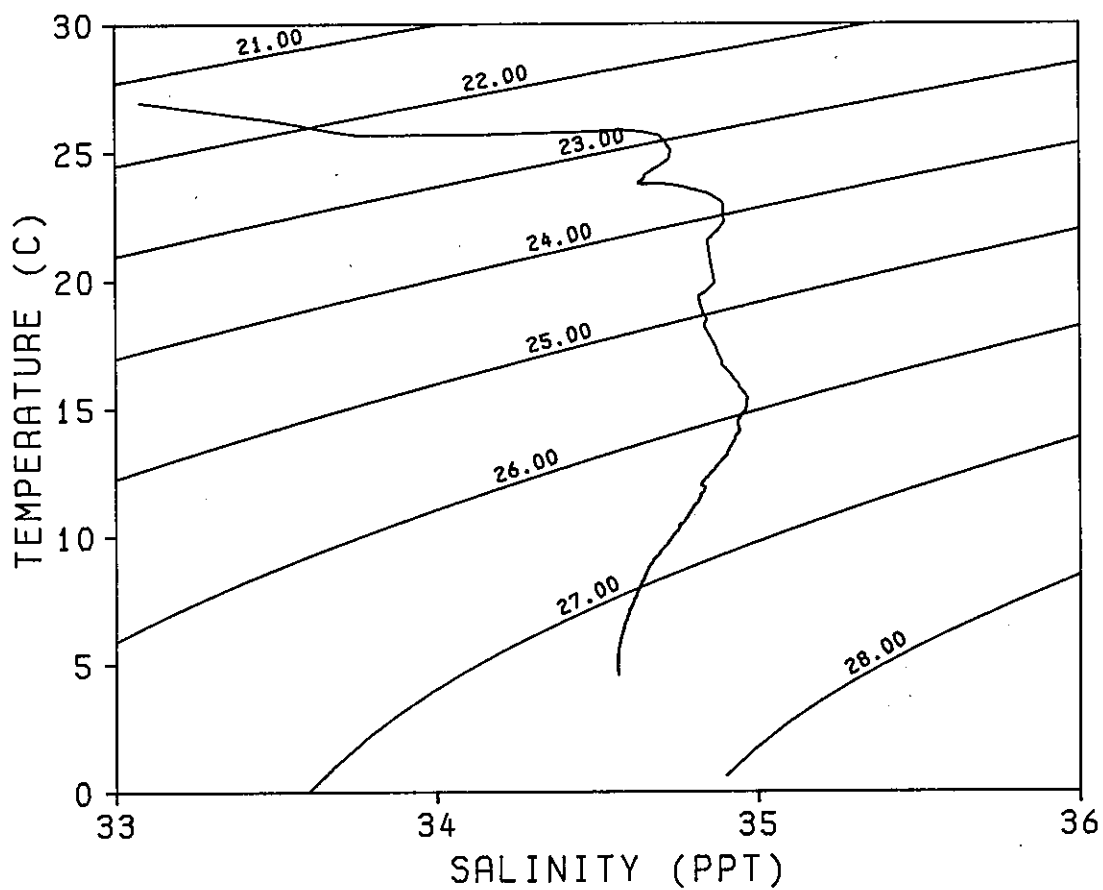


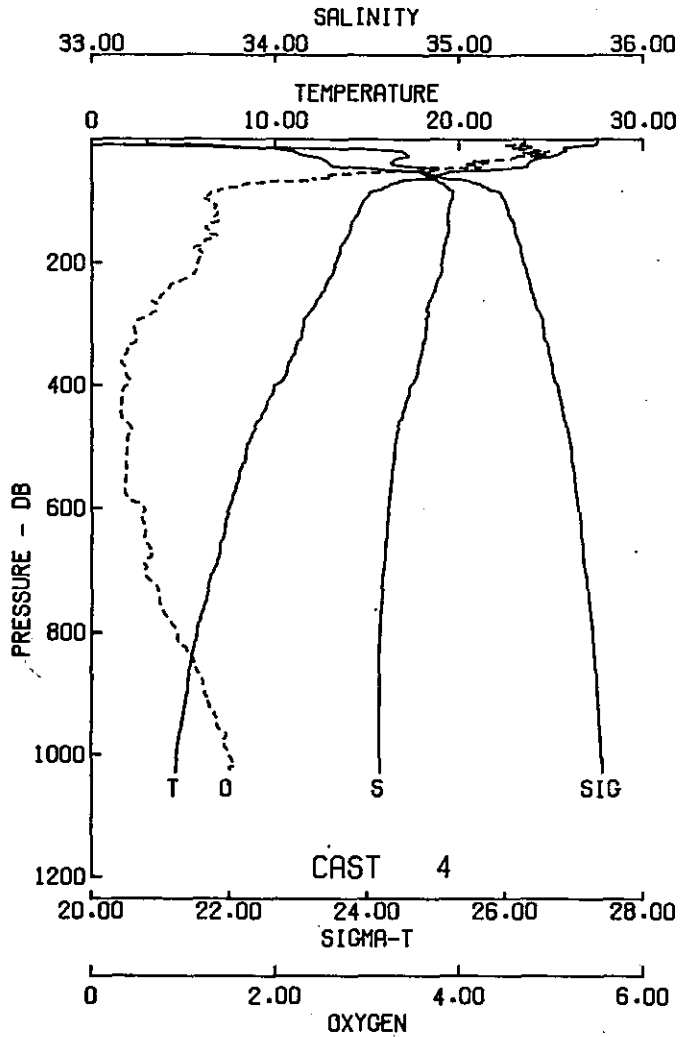


CAST EP2-R2-DI-203 DATE 31 MAR 82 TIME 1532 GMT
 LAT 03 01.5N LONG 095 01.8W WEATHER 1 SEA STATE 7
 BAROMETER 11 WIND DIP 140 T SPD 16 KT VISIBILITY 7
 CLOUD R AMOUNT 3 DRY 28.5 WET 26.2 DEPTH 2992 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	28.739	31.633	4.28	19.646	0.000
10.	28.733	31.758	4.48	19.741	.080
20.	27.197	33.197	4.79	21.318	.157
30.	25.536	34.587	4.78	22.761	.212
40.	23.192	34.569	4.22	23.571	.260
50.	21.282	34.771	3.64	24.261	.300
60.	20.925	34.839	3.58	24.409	.337
70.	19.333	34.781	2.95	24.786	.370
80.	17.552	34.807	2.25	25.058	.401
90.	15.444	34.952	1.51	25.285	.423
100.	14.823	34.943	1.38	25.384	.446
110.	14.636	34.967	1.52	25.443	.466
120.	14.514	34.963	1.49	25.566	.485
130.	14.237	34.944	1.75	25.611	.506
140.	14.011	34.935	1.77	25.651	.525
150.	13.873	34.935	1.82	25.681	.544
160.	13.763	34.932	1.83	25.682	.553
170.	13.644	34.923	1.82	25.681	.558
180.	13.575	34.920	1.79	25.682	.560
190.	13.421	34.909	1.50	25.625	.618
200.	13.342	34.908	1.18	25.627	.637
250.	12.055	34.853	.48	25.646	.723
300.	11.055	34.774	.33	25.607	.802
350.	10.229	34.720	.51	25.671	.875
400.	8.711	34.702	.37	25.678	.944
450.	8.832	34.658	.37	25.697	1.010
500.	8.265	34.643	.40	25.697	1.070
550.	7.792	34.624	.44	25.704	1.120
600.	7.444	34.614	.61	25.707	1.174
650.	5.993	34.601	.62	25.712	1.237
700.	6.632	34.589	.66	25.716	1.289
750.	6.221	34.580	.69	25.721	1.338
800.	5.896	34.574	.85	25.725	1.385
850.	5.511	34.566	1.04	25.729	1.431
900.	5.232	34.566	1.21	25.732	1.477
950.	4.939	34.566	1.35	25.737	1.517
1000.	4.659	34.568	1.47	25.739	1.555
1500.	3.101	34.612	1.97	25.758	1.999
2000.	2.318	34.644	2.49	25.768	2.186
2500.	1.847	34.667	2.81	25.773	2.429
2910.	1.845	34.667	2.81	25.773	2.429

CAST EP2-82-DI-004 DATE 01 APR 82 TIME 0800 GMT
LAT 02 32.6N LONG 095 09.0W

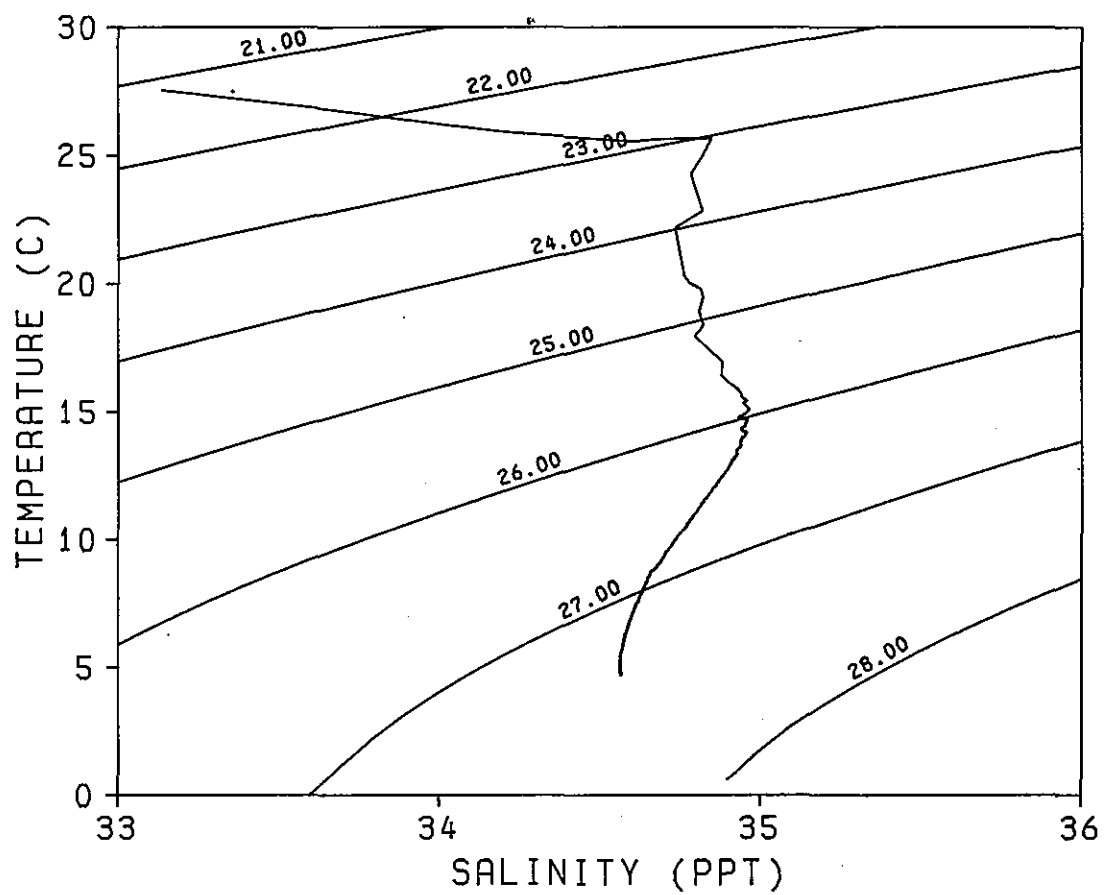


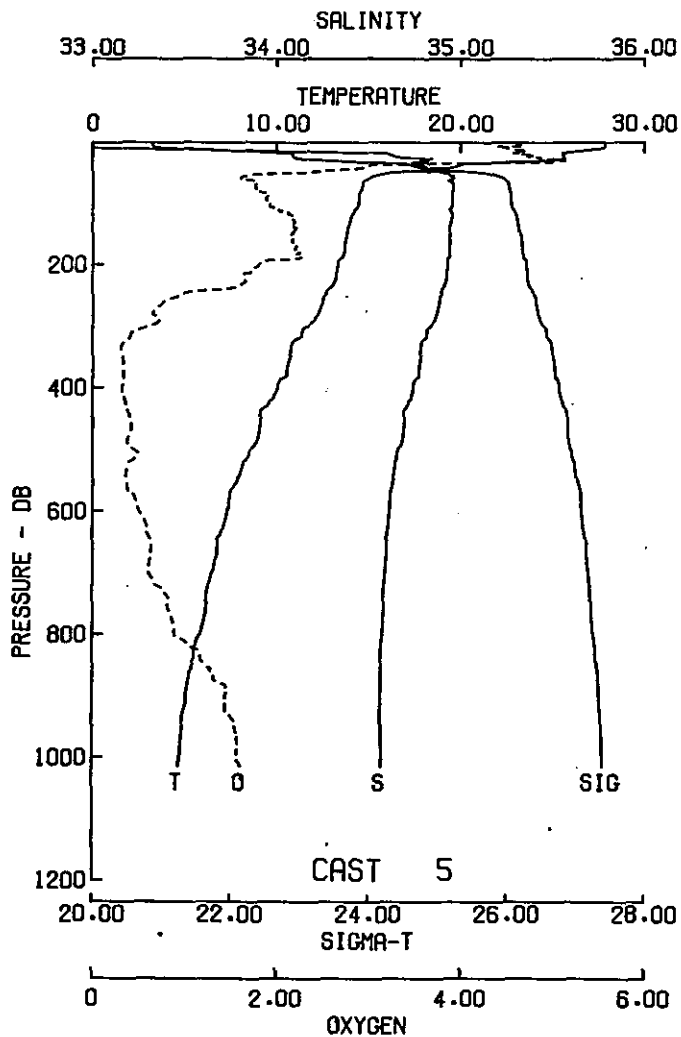


CAST EFF-02-DI-004 DATE 01 APR 82 TIME 0800 GMT
 LAT 02 32.6N LONG 095 09.0W WEATHER 1 SEA STATE 3
 BAROMETR 05 WIND DIR 130 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 GRY 27.1 WET 24.8 DEPTH 2614 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.540	32.667	4.71	20.611	0.000
10.	26.555	33.079	4.64	21.307	.069
20.	25.535	34.697	4.99	22.037	.124
30.	24.419	34.693	4.58	23.303	.173
40.	23.331	34.633	4.08	23.459	.212
50.	21.527	34.843	3.68	24.248	.262
60.	18.592	34.829	2.62	24.985	.292
70.	16.679	34.884	1.87	25.518	.319
80.	15.220	34.942	1.49	25.761	.342
90.	15.078	34.963	1.38	25.945	.364
100.	14.786	34.954	1.27	26.000	.384
110.	14.530	34.943	1.35	26.026	.403
120.	14.510	34.944	1.37	26.049	.422
130.	14.282	34.933	1.37	26.097	.445
140.	14.122	34.944	1.26	26.135	.464
150.	14.053	34.942	1.26	26.148	.484
160.	13.888	34.931	1.31	26.175	.503
170.	13.722	34.934	1.20	26.214	.521
180.	13.531	34.915	1.19	26.238	.540
190.	13.437	34.912	1.22	26.254	.558
200.	13.336	34.908	1.16	26.271	.576
250.	12.517	34.860	.79	26.398	.644
300.	11.560	34.823	.47	26.553	.746
400.	11.015	34.793	.37	26.628	.823
450.	10.655	34.734	.40	26.756	.895
500.	8.270	34.633	.33	26.853	.962
550.	8.424	34.647	.39	26.952	1.025
600.	8.039	34.633	.38	27.004	1.084
650.	7.495	34.615	.58	27.066	1.141
700.	7.127	34.608	.57	27.109	1.195
750.	6.663	34.604	.58	27.162	1.247
800.	6.204	34.578	.74	27.214	1.296
850.	5.736	34.569	.92	27.266	1.343
900.	5.422	34.565	1.12	27.302	1.388
950.	5.192	34.564	1.23	27.328	1.432
1000.	4.894	34.563	1.37	27.363	1.474
1050.	4.649	34.563	1.51	27.392	1.515
1100.	4.560	34.565	1.48	27.403	1.515

CAST EP2-82-DI-005 DATE 01 APR 82 TIME 1217 GMT
LAT 02 00.6N LONG 095 00.5W

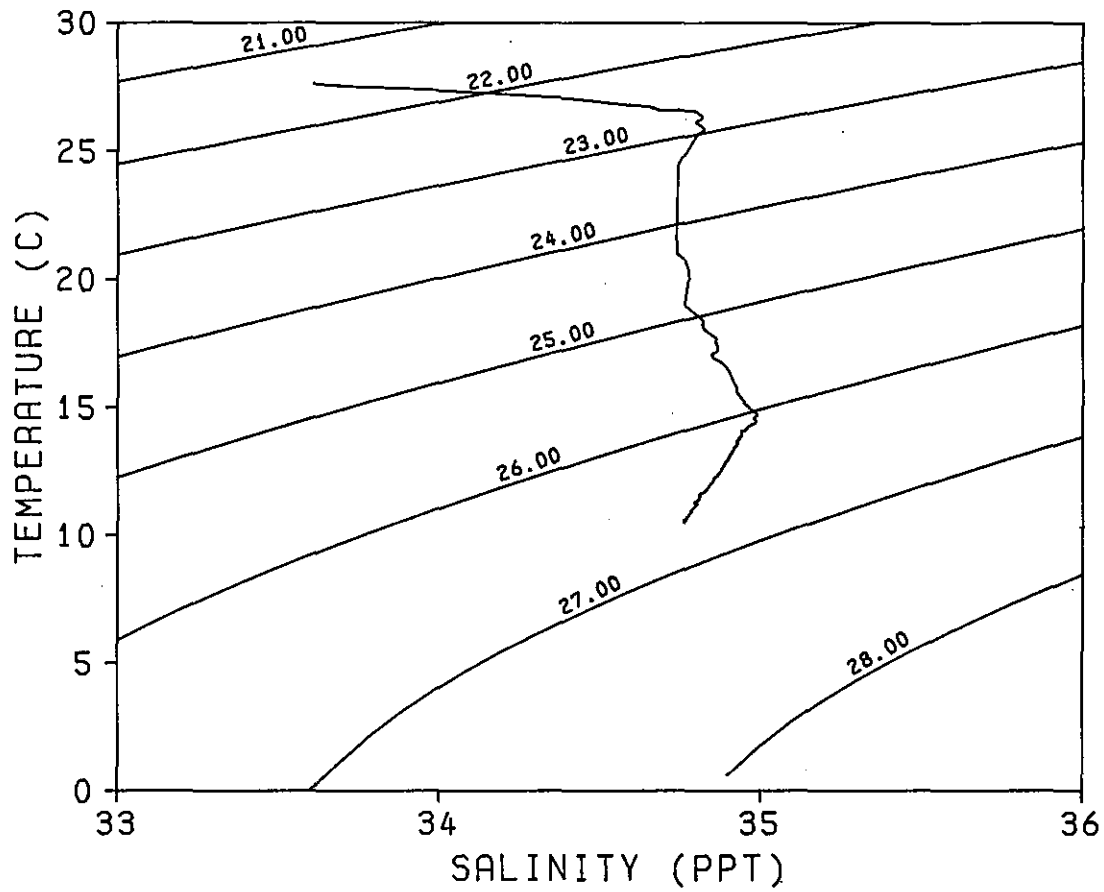


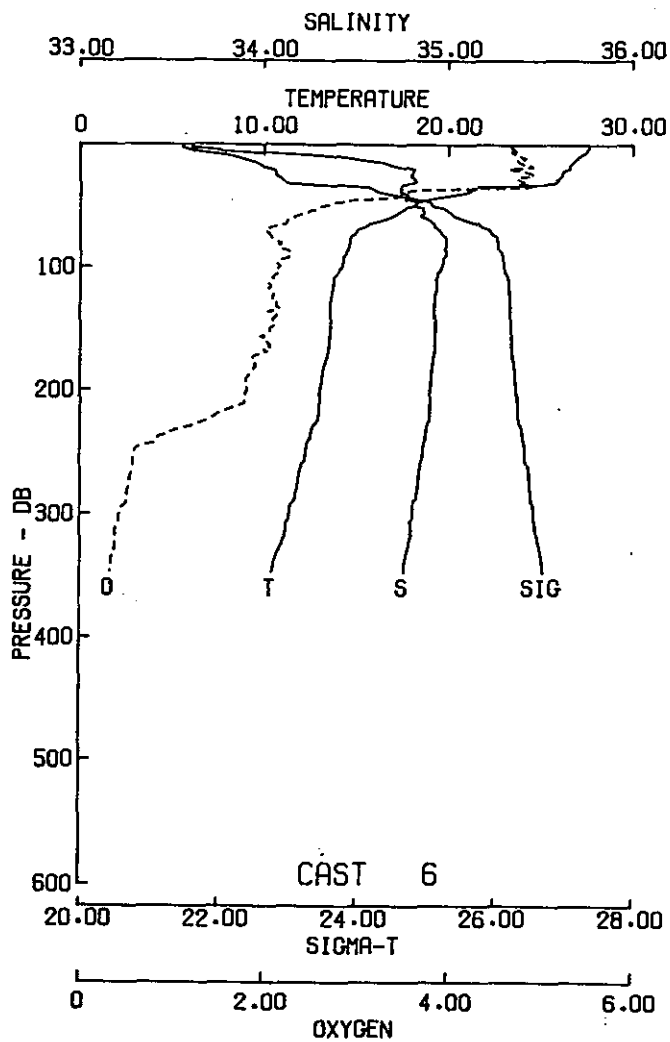


CAST EP2-82-DI-005 DATE 01 APR 82 TIME 1217 GMT
 LAT 02 09.6A LONG 095 00.5W WEATHER 1 SEA STATE 3
 BAROMETER 28 WIND DIR 140 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 26.5 WET 25.0 DEPTH 3124 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.855	32.866	4.66	20.855	0.000
10.	27.755	32.897	4.52	20.989	.069
20.	25.547	34.612	4.72	22.900	.127
30.	24.959	34.819	5.11	23.236	.176
40.	19.836	34.805	3.01	24.673	.214
50.	16.361	34.879	2.39	25.588	.244
60.	14.992	34.964	1.80	25.963	.266
70.	14.672	34.960	1.77	26.629	.286
80.	14.566	34.955	1.81	26.849	.306
90.	14.482	34.954	1.91	26.065	.325
100.	14.451	34.953	1.93	26.072	.346
110.	14.334	34.939	2.01	26.086	.365
120.	14.106	34.952	2.17	26.145	.385
130.	14.001	34.948	2.18	26.164	.404
140.	13.889	34.941	2.18	26.182	.423
150.	13.791	34.939	2.19	26.201	.441
160.	13.713	34.938	2.17	26.216	.460
170.	13.680	34.937	2.20	26.222	.479
180.	13.657	34.938	2.23	26.228	.497
190.	13.542	34.929	2.25	26.245	.515
200.	13.320	34.928	2.82	26.296	.534
250.	12.749	34.893	1.82	26.497	.622
300.	11.739	34.839	.83	26.531	.705
350.	10.705	34.778	.32	26.674	.779
400.	10.039	34.741	.33	26.762	.851
450.	9.116	34.692	.41	26.877	.917
500.	8.660	34.661	.43	26.926	.980
550.	7.857	34.631	.36	27.025	1.039
600.	7.313	34.611	.50	27.089	1.094
650.	6.761	34.594	.64	27.153	1.147
700.	6.512	34.588	.61	27.181	1.198
750.	6.177	34.580	.81	27.219	1.246
800.	5.874	34.574	.89	27.253	1.294
850.	5.418	34.565	1.23	27.303	1.335
900.	5.103	34.565	1.45	27.340	1.382
950.	4.860	34.566	1.54	27.369	1.424
1000.	4.740	34.570	1.59	27.386	1.465
1016.	4.677	34.568	1.62	27.391	

CAST EP2-82-DI-006 DATE 01 APR 82 TIME 1912 GMT
LAT 01 30.8N LONG 095 00.0W

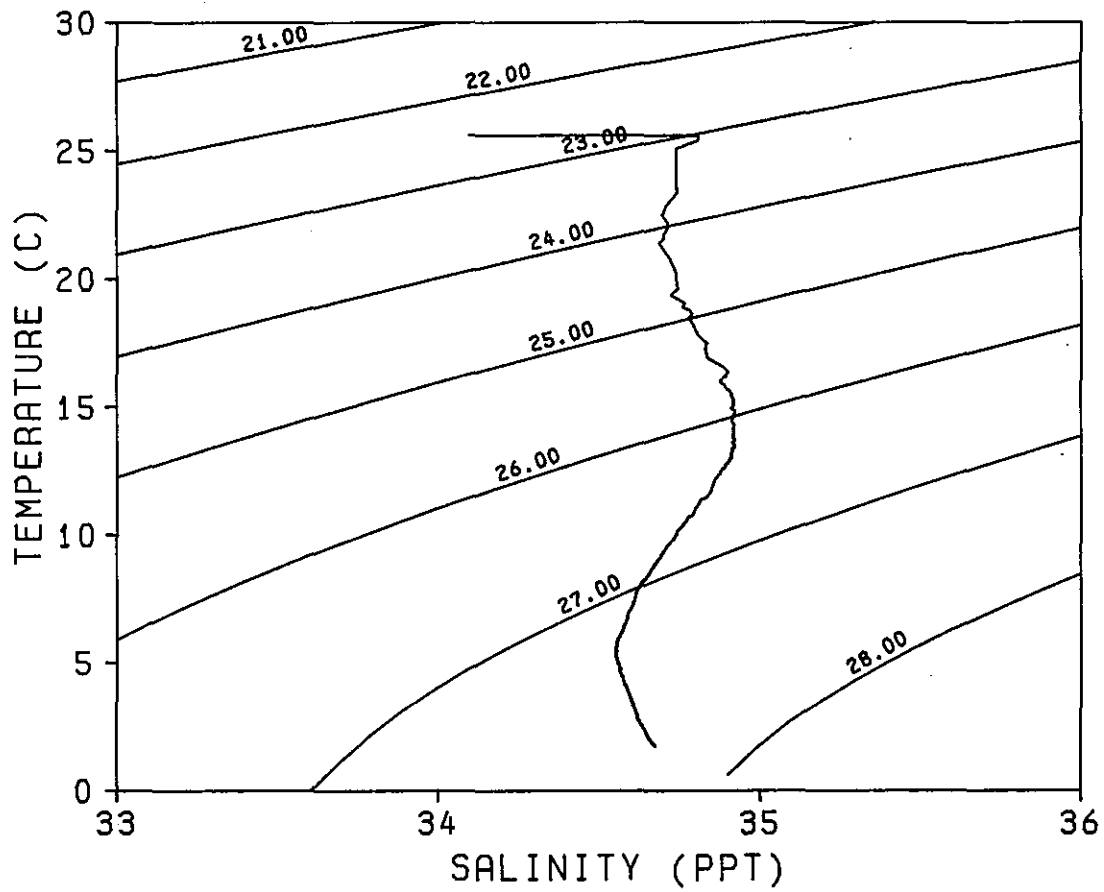


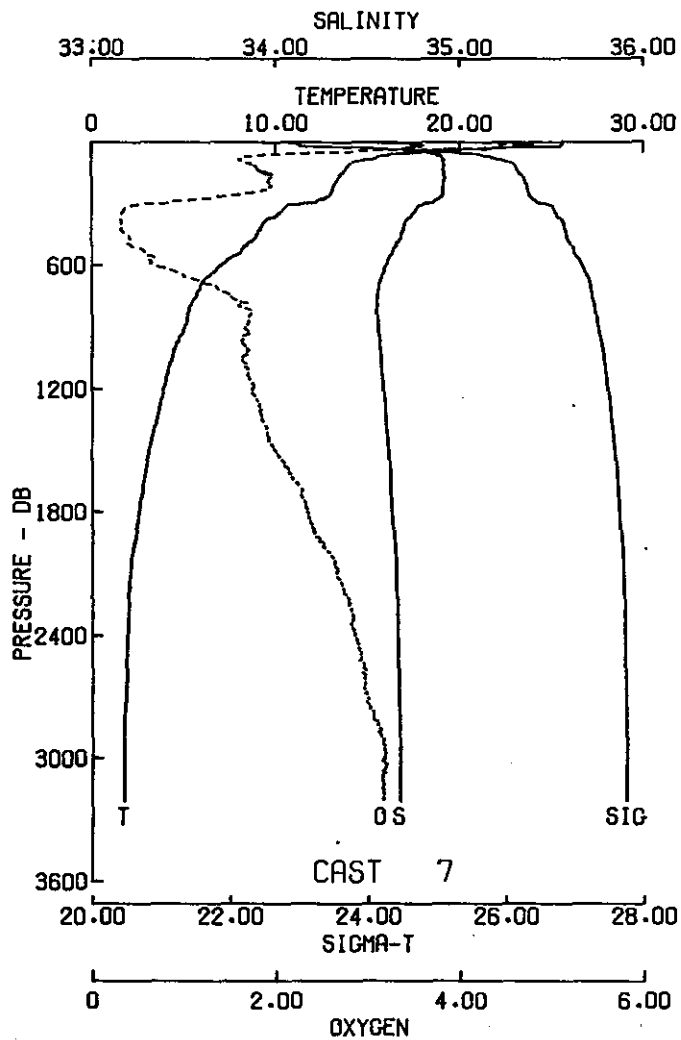


CAST EF2-P2-DI-006 DATE 01 APR 82 TIME 1912 GMT
 LAT 01 30.0N LONG 095 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 150 T SPD 15 KT VISIBILITY 7
 CLOUD 8 AMOUNT 1 DRY 26.8 WET 24.2 DEPTH 3000 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.627	33.610	4.68	21.491	0.000
10.	27.075	34.362	4.80	22.233	.061
20.	26.543	34.797	4.66	22.729	.114
30.	25.852	34.823	4.81	22.865	.165
40.	25.714	34.765	3.50	24.411	.207
50.	18.210	34.817	2.66	25.098	.237
60.	16.768	34.875	2.30	25.490	.264
70.	15.072	34.954	2.02	25.938	.287
80.	14.668	34.989	2.18	26.053	.307
90.	14.404	34.986	2.25	26.107	.327
100.	14.220	34.961	2.17	26.127	.346
110.	14.765	34.932	2.09	26.201	.365
120.	13.704	34.933	2.06	26.215	.383
130.	13.605	34.925	2.15	26.229	.402
140.	13.593	34.926	2.14	26.232	.420
150.	13.585	34.928	2.07	26.235	.438
160.	13.540	34.927	2.04	26.244	.457
170.	13.487	34.924	2.01	26.250	.475
180.	13.292	34.914	1.99	26.285	.493
190.	13.174	34.909	1.82	26.304	.511
200.	13.070	34.903	1.83	26.321	.529
250.	12.283	34.864	.60	26.447	.613
300.	11.379	34.808	.43	26.575	.695
347.	10.445	34.760	.33	26.706	

CAST EP2-82-DI-007 DATE 02 APR 82 TIME 1108 GMT
LAT 00 58.9N LONG 94 58.8W

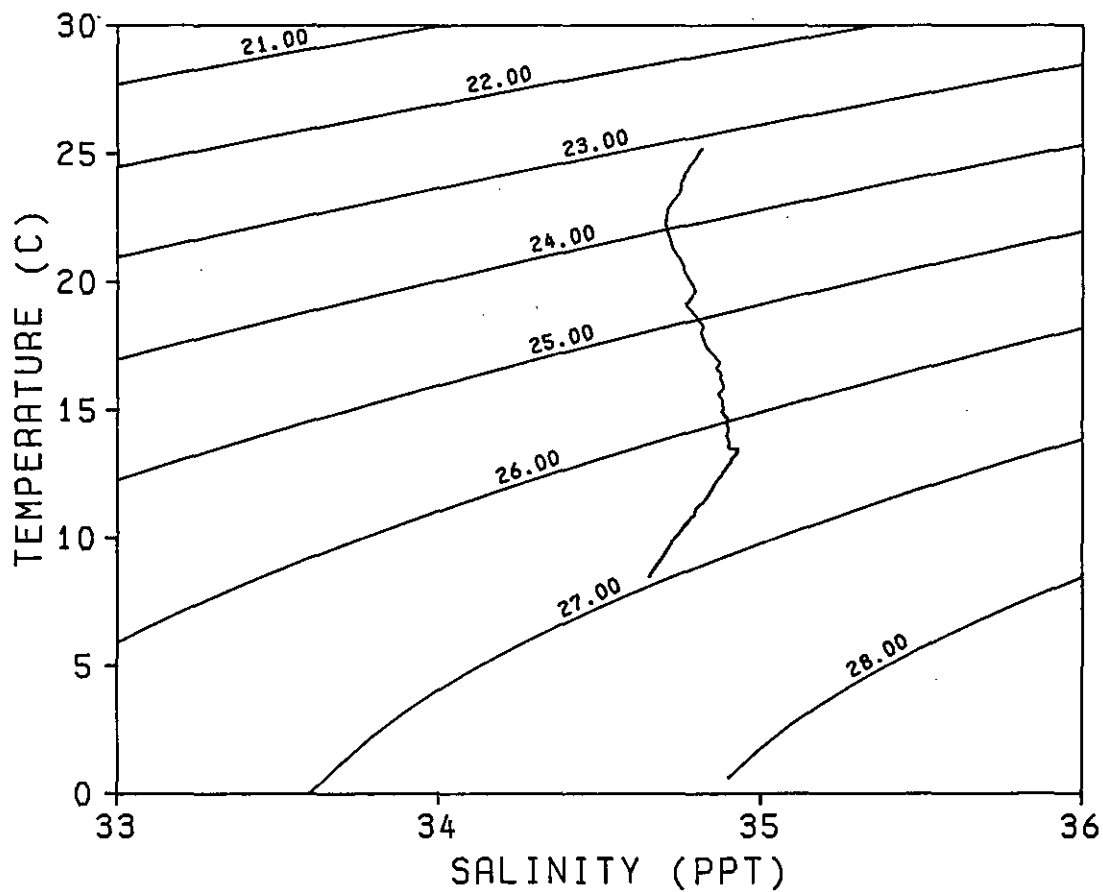




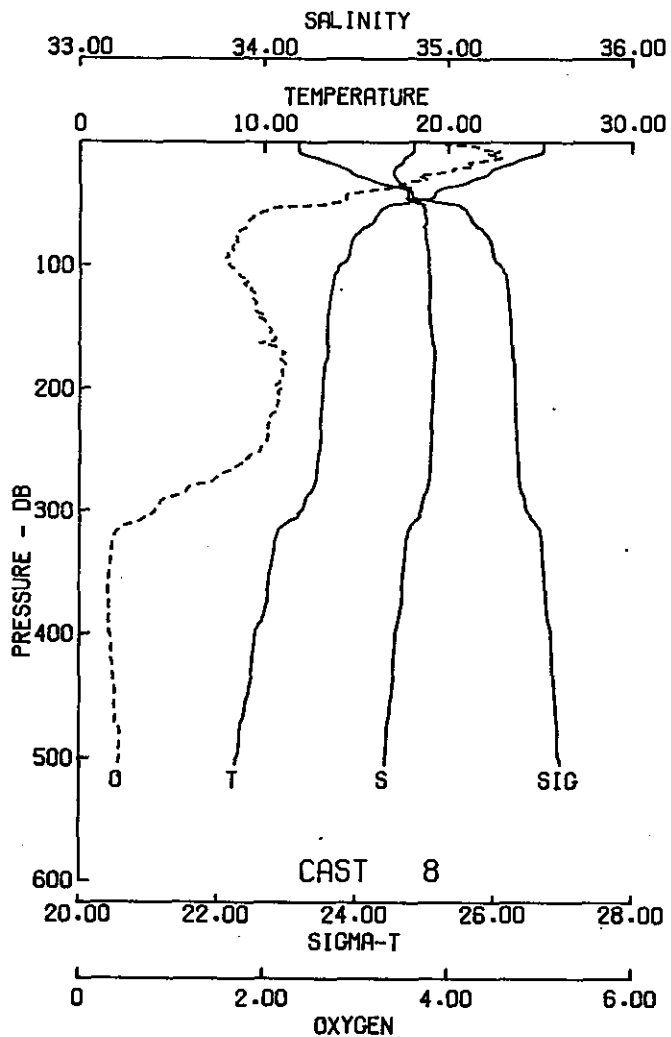
CAST EP2-82-DI-907 DATE 02 APR 82 TIME 1102 GMT
 LAT 09 52.9N LONG 94 52.8W WEATHER 1 SEA STATE 3
 BAROMETER 39 WIND DIR 180 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 24.8 WET 23.9 DEPTH 3515 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.600	34.098	4.46	22.497	0.000
10.	25.601	34.738	4.39	22.978	.051
20.	25.562	34.806	4.62	23.041	.100
30.	22.142	34.714	4.19	23.979	.144
40.	19.339	34.721	3.23	24.739	.180
50.	18.199	34.789	2.80	25.079	.211
60.	16.243	34.890	2.11	25.624	.237
70.	15.640	34.896	1.75	25.767	.261
80.	15.450	34.910	1.63	25.820	.283
90.	14.830	34.919	1.62	25.964	.305
100.	14.329	34.912	1.67	26.067	.325
110.	14.018	34.915	1.73	26.135	.344
120.	13.933	34.916	1.78	26.153	.363
130.	13.847	34.913	1.81	26.169	.382
140.	13.792	34.914	1.85	26.181	.401
150.	13.706	34.917	1.88	26.201	.420
160.	13.508	34.918	1.97	26.244	.439
170.	13.477	34.918	1.96	26.250	.457
180.	13.375	34.915	1.95	26.268	.475
190.	13.338	34.913	1.94	26.274	.493
200.	13.243	34.910	1.94	26.291	.511
250.	13.004	34.907	1.68	26.338	.600
300.	11.612	34.842	.83	26.358	.685
350.	10.179	34.746	.33	26.741	.757
400.	9.343	34.702	.33	26.848	.824
450.	9.038	34.685	.39	26.888	.888
500.	8.494	34.656	.43	26.944	.950
550.	7.972	34.628	.62	27.006	1.009
600.	7.093	34.600	.66	27.111	1.064
650.	6.449	34.579	1.01	27.183	1.115
700.	5.922	34.561	1.32	27.237	1.163
750.	5.720	34.555	1.51	27.257	1.209
800.	5.359	34.554	1.60	27.281	1.254
850.	5.184	34.554	1.72	27.321	1.298
900.	5.032	34.558	1.70	27.343	1.341
950.	4.737	34.564	1.65	27.381	1.382
1000.	4.518	34.569	1.68	27.416	1.422
1500.	3.114	34.615	2.00	27.589	1.770
2000.	2.194	34.650	2.57	27.697	2.051
2500.	1.895	34.664	2.94	27.732	2.293
3000.	1.752	34.675	3.19	27.752	2.527
3207.	1.769	34.676	3.15	27.752	

CAST EP2-82-DI-008 DATE 02 APR 82 TIME 1520 GMT
LAT 00 44.5N LONG 095 00.6W

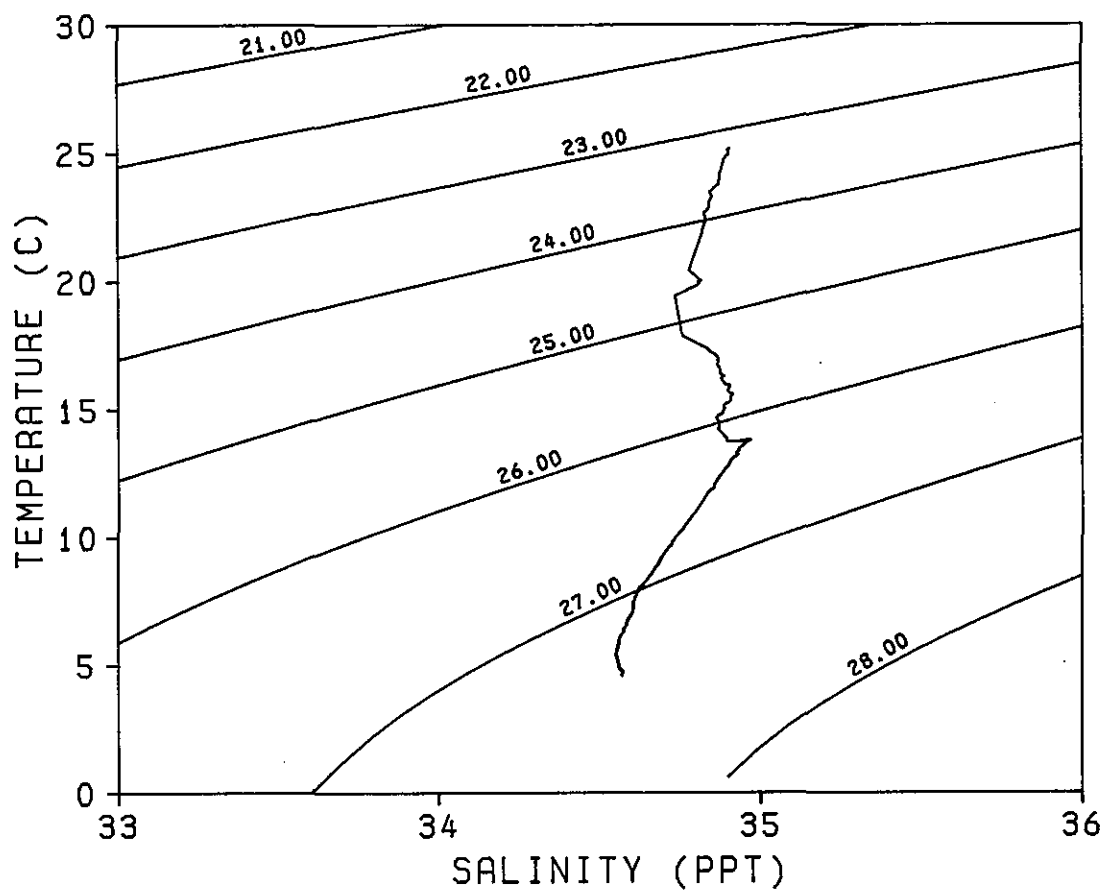


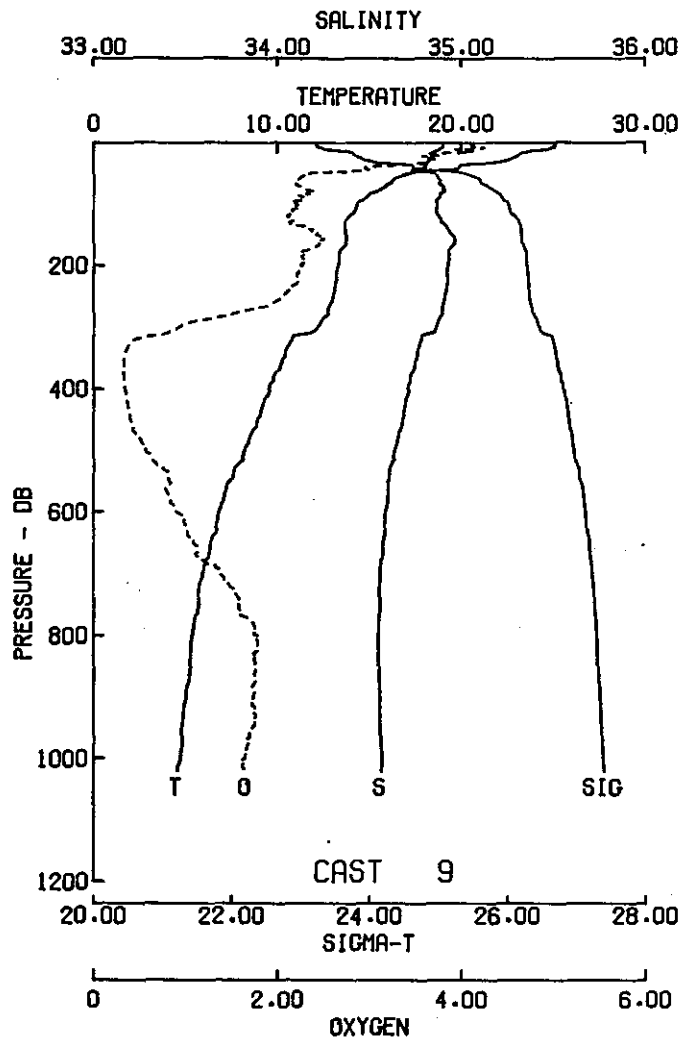
CAST EF2-P2-D1-008 DATE 02 APR 82 TIME 1520 GMT
 LAT 50 44.51 LONG 095 00.6W WFAZTHR 1 SEA STATE
 BAROMETER 11 WIND DIR 170 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT ? DRY 25.5 WET 24.4 DEPTH 3537 M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.171	34.815	3.97	23.168	0.000
10.	24.955	34.803	4.43	23.225	.047
20.	22.941	34.720	4.27	23.757	.091
30.	21.484	34.723	3.77	24.169	.131
40.	19.393	34.787	3.11	24.775	.166
50.	17.405	34.831	2.74	25.305	.196
60.	16.114	34.876	1.89	25.743	.221
70.	15.377	34.877	1.79	25.811	.244
80.	14.783	34.883	1.70	25.946	.266
90.	14.642	34.895	1.61	25.987	.286
100.	14.146	34.901	1.63	26.097	.307
110.	13.764	34.899	1.78	26.175	.326
120.	13.652	34.902	1.85	26.202	.344
130.	13.561	34.896	1.92	26.216	.363
140.	13.483	34.901	1.99	26.235	.381
150.	13.447	34.909	2.05	26.249	.400
160.	13.447	34.918	2.13	26.256	.418
170.	13.446	34.925	2.19	26.262	.436
180.	13.288	34.923	2.23	26.292	.454
190.	13.231	34.920	2.20	26.302	.472
200.	13.196	34.919	2.19	26.308	.490
250.	13.025	34.906	1.96	26.333	.578
300.	12.055	34.854	.82	26.483	.664
350.	10.714	34.755	.34	26.725	.737
400.	9.529	34.712	.34	26.826	.806
450.	9.125	34.691	.39	26.875	.871
500.	8.540	34.666	.43	26.944	.933
565.	8.434	34.653	.43	26.956	.953

CAST EP2-82-DI-009 DATE 02 APR 82 TIME 1848 GMT
LAT 00 29.7N LONG 94 56.5W

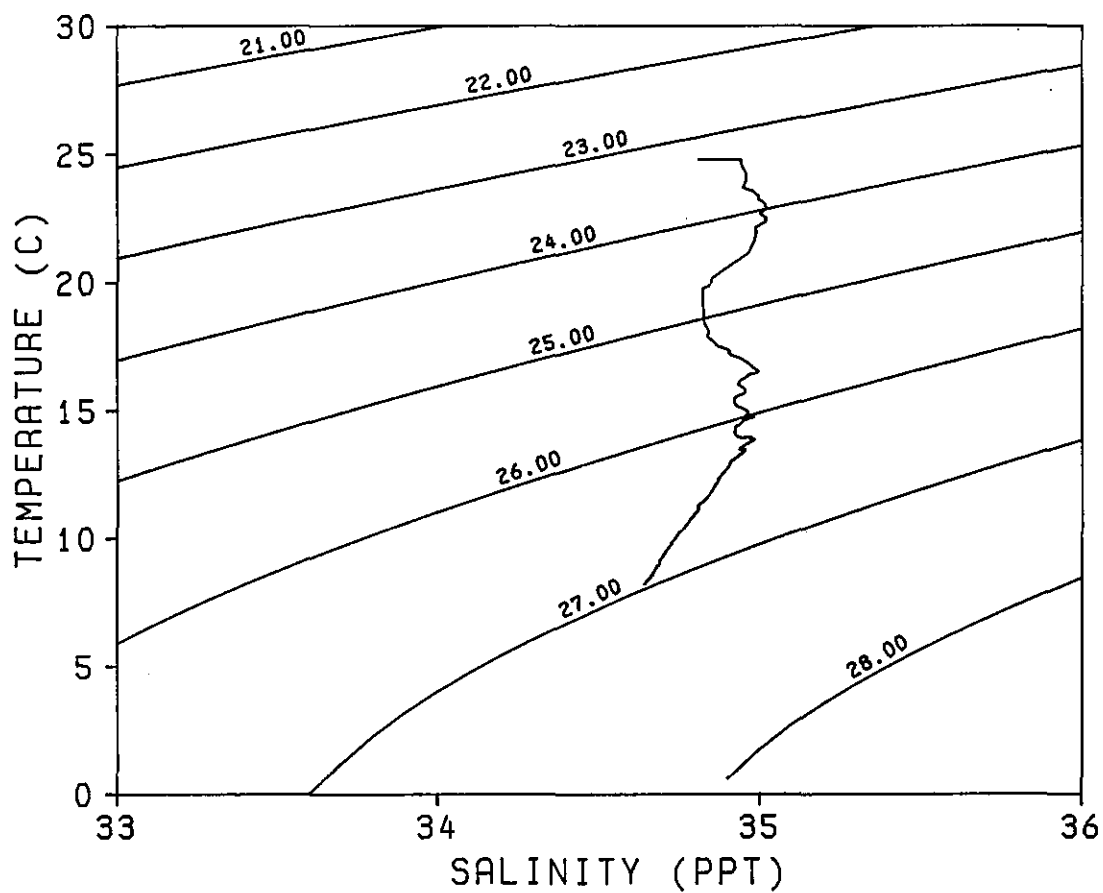


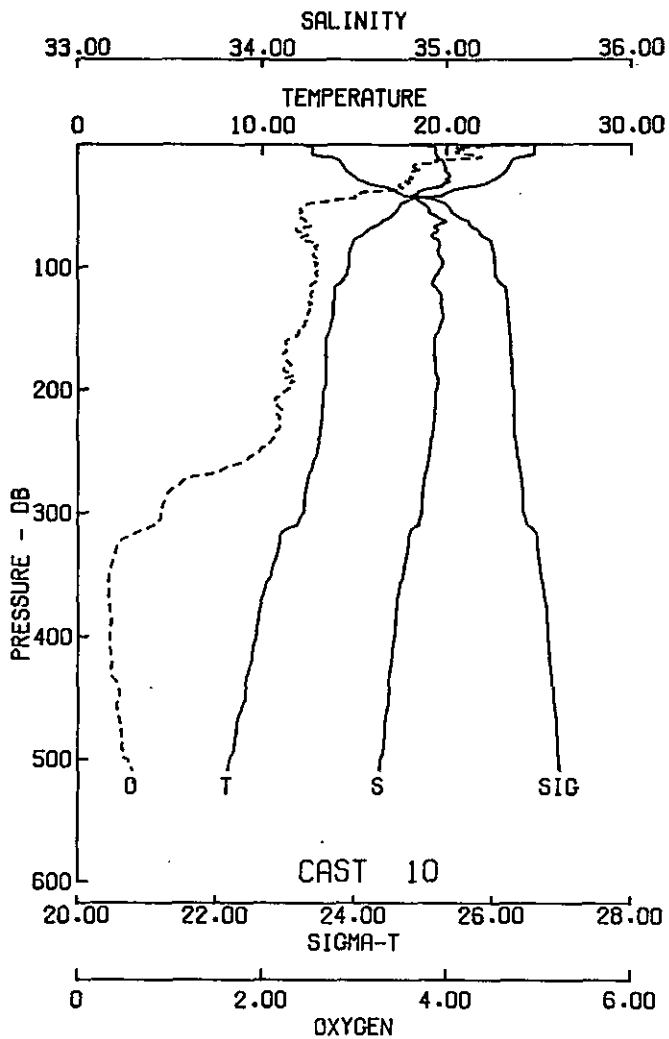


CAST FF2-82-DI-009 DATE 02 APR 82 TIME 1848 GMT
 LAT 00 26.7N LONG 94 56.5W WFAZTHR 0 SEA STATE 0
 BAROMETER 11 WIND DIR 000 T SPD 00 KT VISIBILITY 8
 CLOUD 0 AMOUNT 0 CPY 26.2 WET 24.6 DEPTH 3331 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.149	34.805	4.11	23.243	0.000
10.	24.836	34.894	4.12	23.330	.046
20.	23.154	34.845	3.73	23.791	.085
30.	22.325	34.828	3.63	24.114	.130
40.	19.808	34.811	3.99	24.659	.165
50.	17.882	34.866	3.34	25.406	.190
60.	15.290	34.883	2.55	25.608	.220
70.	13.869	34.904	2.23	25.714	.244
80.	15.341	34.910	2.32	25.844	.266
90.	14.811	34.882	2.33	25.939	.288
100.	14.363	34.871	2.32	26.028	.308
110.	14.255	34.869	2.16	26.050	.322
120.	13.737	34.883	2.10	26.128	.342
130.	13.711	34.899	2.13	26.186	.367
140.	13.712	34.931	2.34	26.211	.385
150.	13.761	34.952	2.43	26.218	.404
160.	13.783	34.969	2.49	26.226	.422
170.	13.586	34.948	2.40	26.250	.441
180.	13.380	34.933	2.34	26.281	.459
190.	13.371	34.933	2.29	26.283	.477
200.	13.317	34.929	2.26	26.291	.495
250.	12.047	34.912	2.06	26.333	.584
300.	11.182	34.863	.94	26.466	.670
350.	9.762	34.759	.34	26.720	.744
400.	8.566	34.714	.34	26.821	.812
450.	8.920	34.681	.41	26.901	.876
500.	8.245	34.641	.58	26.975	.937
550.	7.445	34.603	.82	27.063	.994
600.	6.847	34.580	.90	27.137	1.047
650.	6.360	34.572	1.09	27.189	1.097
700.	5.948	34.559	1.40	27.232	1.146
750.	5.716	34.557	1.58	27.259	1.192
800.	5.383	34.549	1.77	27.294	1.237
850.	5.266	34.552	1.75	27.311	1.281
900.	5.137	34.550	1.74	27.342	1.324
950.	4.822	34.561	1.73	27.370	1.365
1000.	4.738	34.570	1.64	27.386	1.406
1021.	4.565	34.567	1.67	27.403	

CAST EP2-82-DI-010 DATE 03 APR 82 TIME 1015 GMT
LAT 00 16.8N LONG 94 58.7W

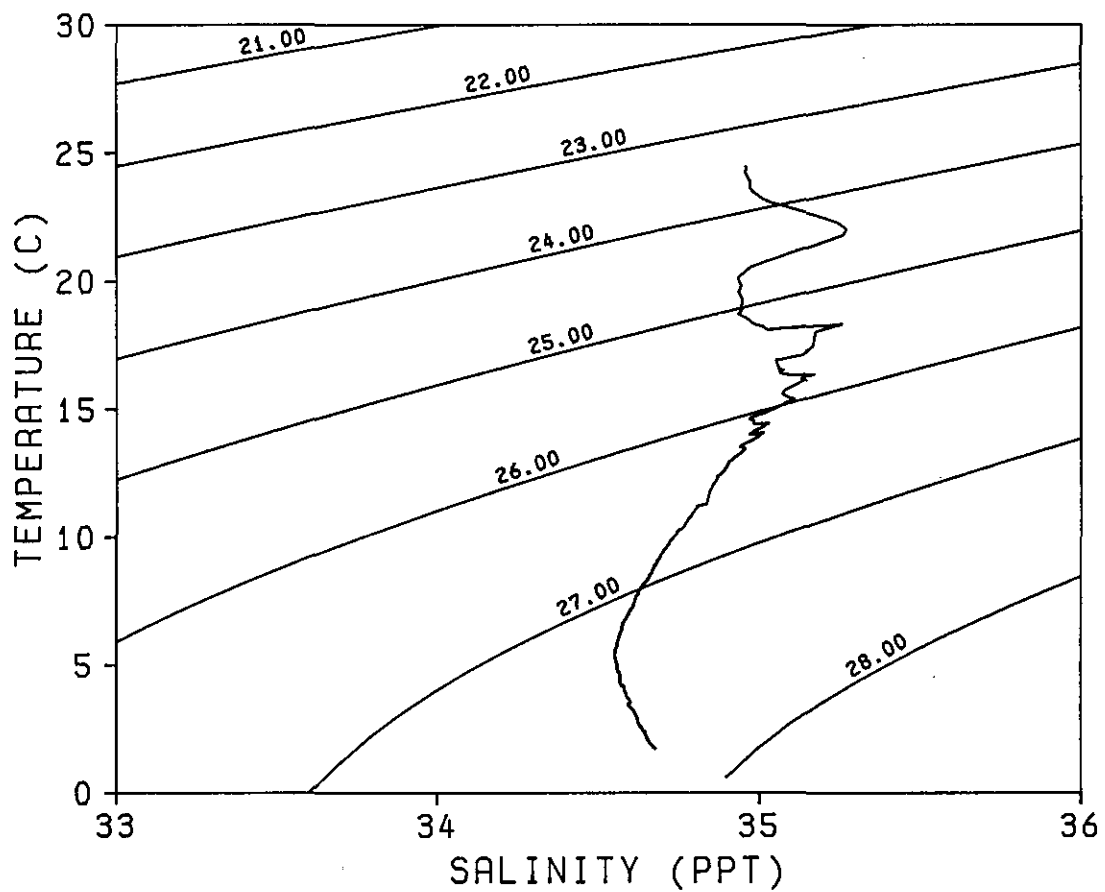




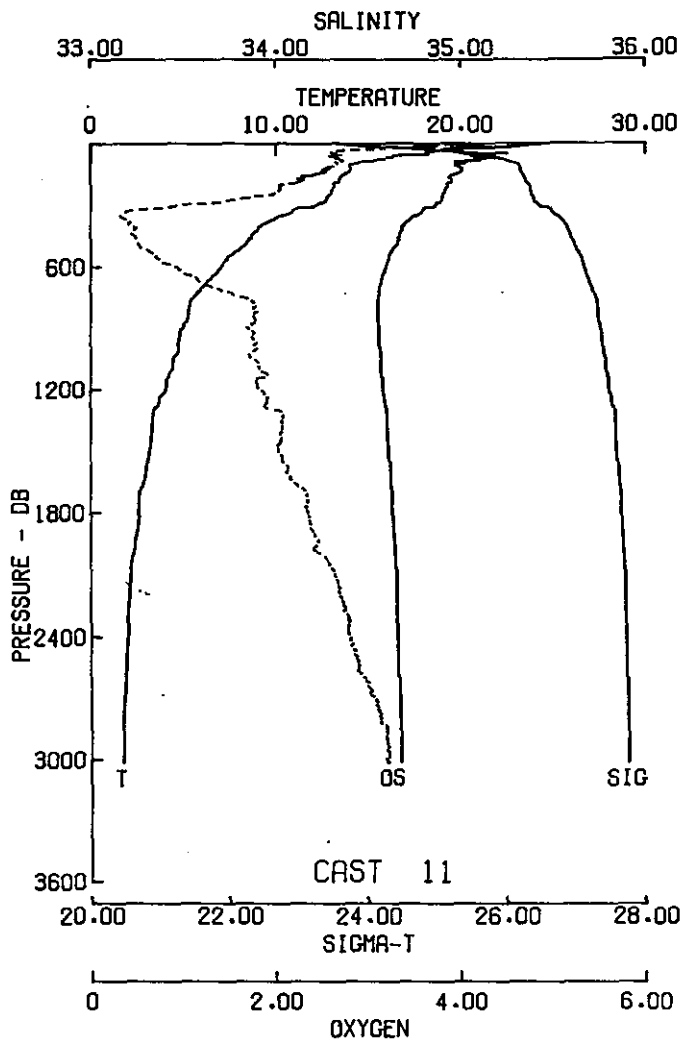
CAST EP2-R2-DI-G10 DATE 03 APR 82 TIME 1015 GMT
 LAT 00 16.8N LONG 94 58.7W WEATHER 0 SEA STATE 1
 BAROMETER 09 WIND DIR 00 T SPD 00 KT VISIBILITY 7
 CLOUD X AMOUNT 0 DRY 24.4 WET 24.2 DEPTH 3373 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-S (DYN-M)
0.	24.766	34.861	4.62	23.326	0.000
1.	24.787	34.808	4.88	23.279	
10.	24.235	34.955	4.38	23.556	.045
20.	23.288	34.997	3.65	23.866	.084
30.	22.495	35.018	3.55	24.110	.126
40.	19.957	34.844	3.05	24.672	.161
50.	17.429	34.844	3.45	25.339	.191
60.	16.898	34.953	3.42	25.519	.217
70.	15.718	34.955	3.37	25.794	.240
80.	14.518	34.929	3.60	25.978	.260
90.	14.685	34.959	3.55	26.026	.282
100.	14.697	34.976	3.58	26.037	.302
110.	14.436	34.937	3.57	26.063	.322
120.	13.979	34.954	3.55	26.188	.341
130.	13.835	34.968	3.54	26.214	.360
140.	13.850	34.983	3.48	26.222	.379
150.	13.690	34.963	3.40	26.249	.397
160.	13.467	34.935	3.28	26.266	.415
170.	13.457	34.935	3.26	26.267	.433
180.	13.442	34.938	3.31	26.273	.451
190.	13.459	34.952	3.30	26.280	.469
200.	13.441	34.946	3.28	26.299	.487
250.	12.550	34.907	3.91	26.348	.505
300.	12.259	34.867	3.91	26.454	.523
350.	10.481	34.767	3.34	26.705	.541
400.	9.687	34.720	3.35	26.806	.559
450.	9.665	34.687	3.45	26.882	.577
500.	8.295	34.646	3.51	26.971	.595
510.	8.176	34.639	3.66	26.984	.613

CAST EP2-82-DI-011 DATE 03 APR 82 TIME 1321 GMT
LAT 00 02.3N LONG 094 57.1W

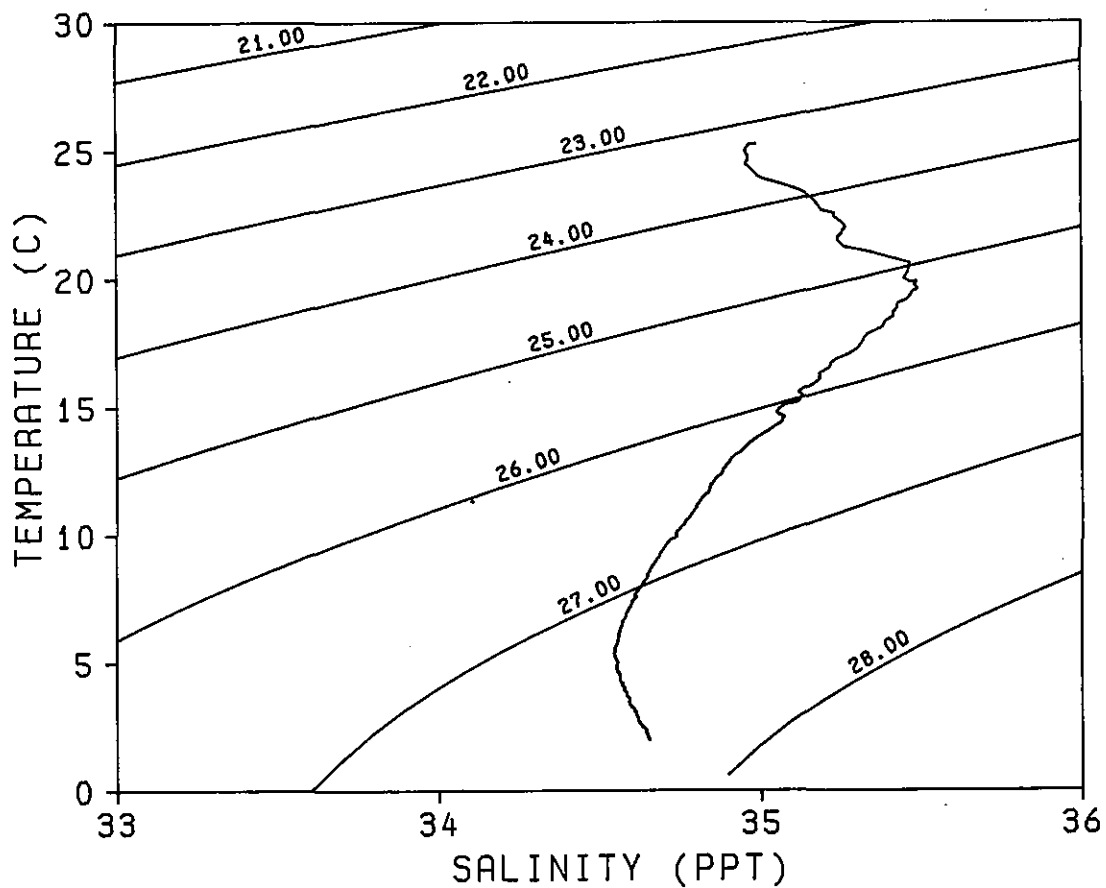


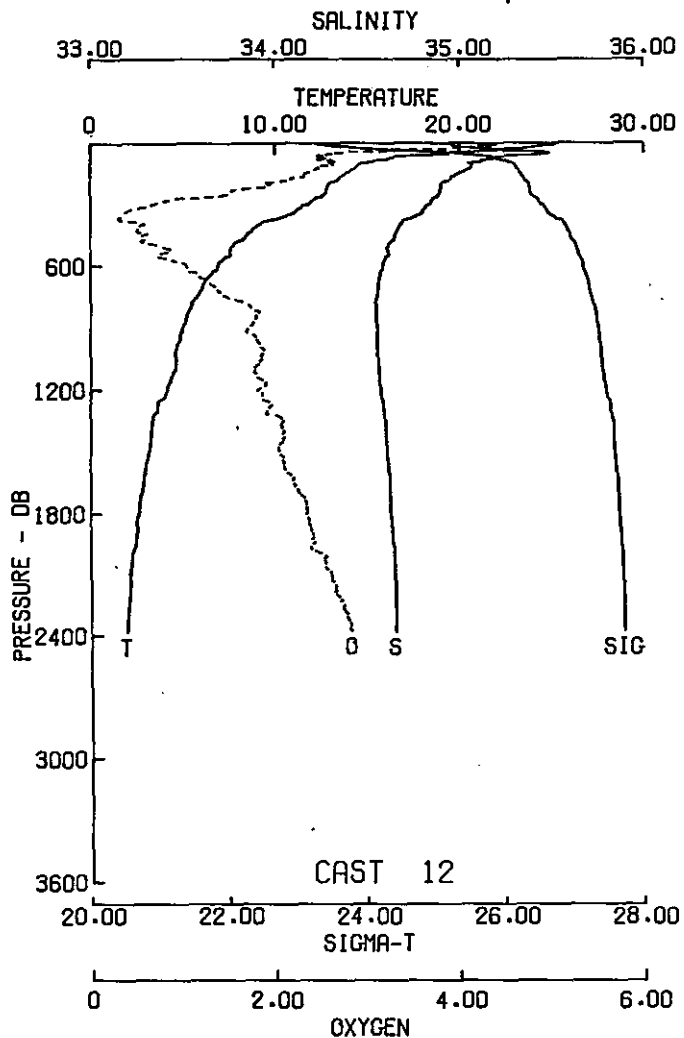
CAST EP2-22-DI-011 DATE 03 APR 82 TIME 1321 GMT
 LAT 00 02.3N LONG 094 57.1W WEATHER 1 SEA STATE 1
 BAROMETER 10 WIND DTR 000 T SPD 00 KT VISIRILITY 7
 CLOUD 3 AMOUNT 2 DRY 24.7 WFT 24.2 DPTH 3362 M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYA-M)
0.	24.461	34.958	4.09	23.491	0.000
10.	23.555	34.974	4.05	23.759	0.043
20.	22.493	35.188	3.95	24.239	0.083
30.	19.548	34.935	2.97	24.848	0.117
40.	18.379	34.976	2.69	25.177	0.146
50.	18.182	35.117	2.59	25.333	0.174
60.	16.524	35.060	2.67	25.690	0.199
70.	16.309	35.143	2.63	25.803	0.221
80.	15.464	35.085	2.70	25.951	0.243
90.	14.681	35.4.981	2.71	26.044	0.263
100.	14.257	35.007	2.66	26.155	0.283
110.	14.001	34.976	2.61	26.186	0.301
120.	14.053	35.003	2.53	26.195	0.320
130.	14.055	35.010	2.51	26.201	0.336
140.	13.937	35.4.988	2.49	26.216	0.357
150.	13.782	34.981	2.44	26.235	0.376
160.	13.597	34.948	2.34	26.249	0.394
170.	13.489	34.940	2.23	26.264	0.412
180.	13.472	34.955	2.30	26.279	0.430
190.	13.426	34.955	2.25	26.289	0.448
200.	13.143	34.930	2.11	26.327	0.466
250.	12.908	34.904	1.91	26.355	0.534
300.	12.204	34.866	0.97	26.464	0.639
350.	10.552	34.772	0.34	26.696	0.715
400.	9.249	34.694	0.42	26.858	0.782
450.	8.724	34.671	0.48	26.924	0.844
500.	8.264	34.652	0.53	26.981	0.904
550.	7.826	34.616	0.71	27.062	0.961
600.	7.067	34.598	0.90	27.113	1.015
650.	6.567	34.575	1.15	27.164	1.067
700.	6.033	34.565	1.33	27.226	1.116
750.	5.543	34.552	1.63	27.277	1.162
800.	5.304	34.552	1.76	27.306	1.206
850.	5.249	34.553	1.77	27.313	1.229
900.	5.011	34.561	1.58	27.347	1.252
950.	4.804	34.561	1.76	27.371	1.274
1000.	4.707	34.562	1.79	27.383	1.297
1500.	3.178	34.611	2.03	27.588	1.724
2000.	2.309	34.647	2.47	27.686	2.067
2500.	1.533	34.662	2.87	27.728	2.253
3000.	1.749	34.678	3.13	27.755	2.253
3017.	1.749	34.678	3.22	27.755	2.486

CAST EP2-82-DI-012 DATE 04 APR 82 TIME 1432 GMT
LAT 0 15.8S LONG 095 05.4W

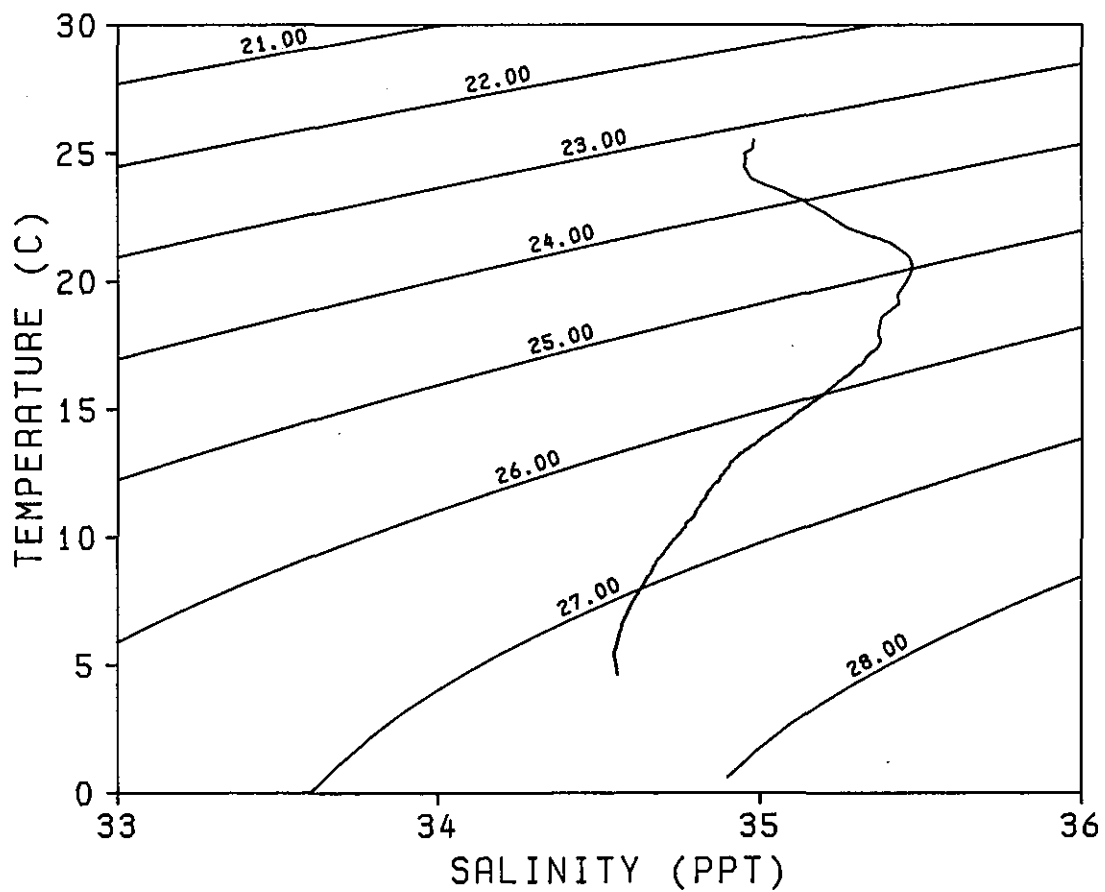




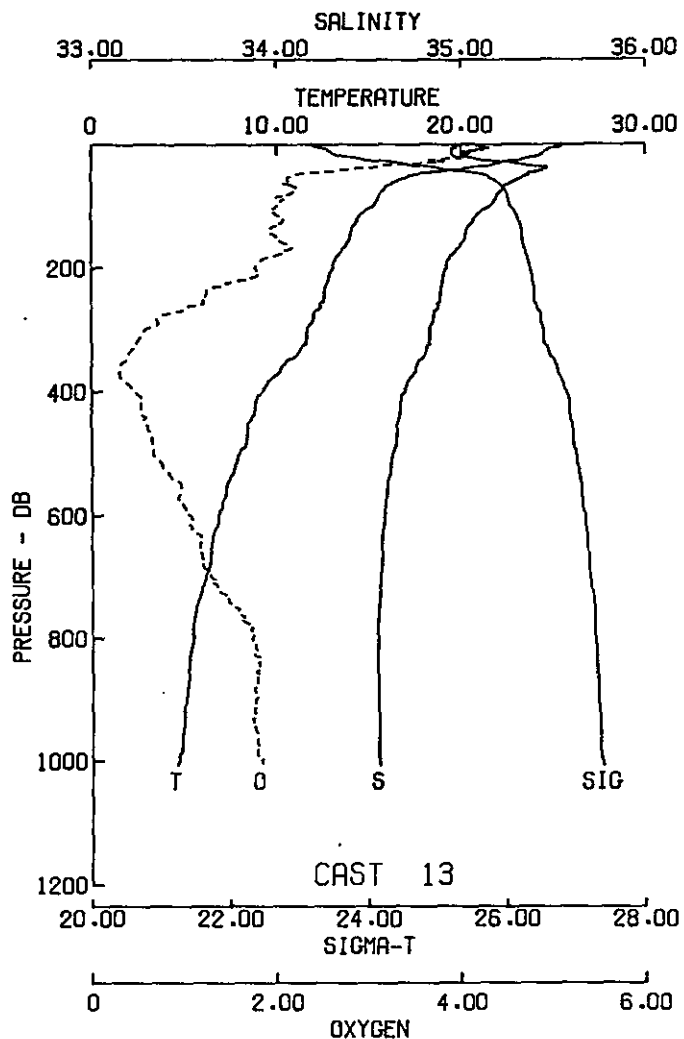
CAST EP2-82-DI-012 DATE 04 APR 82 TIME 1432 GMT
 LAT 0 15.8S LONG 095 05.4W WEATHER 1 SEA STATE 1
 BAROMETER 12 WIND DIR 145 T SPD 10 KT VISIBILITY 8
 CLOUD 0 AMOUNT 1 DRY 25.8 WET 24.8 DEPTH 3396 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-K)
0.	25.241	34.985	3.36	27.5	0.000
10.	24.868	34.957	4.36	27.67	0.046
20.	24.087	34.986	4.26	27.624	0.090
30.	23.051	35.165	3.94	27.662	0.131
40.	21.601	35.238	3.23	27.528	0.167
50.	19.686	35.477	2.65	27.555	0.198
60.	18.311	35.385	2.54	27.505	0.224
70.	16.473	35.209	2.51	27.515	0.247
80.	16.130	35.178	2.52	27.671	0.258
90.	15.387	35.131	2.64	27.604	0.290
100.	14.732	35.048	2.60	27.685	0.310
110.	14.543	35.067	2.60	27.614	0.330
120.	14.415	35.065	2.50	27.516	0.347
130.	14.319	35.058	2.45	27.518	0.357
140.	14.187	35.031	2.41	27.620	0.386
150.	13.856	35.001	2.34	27.235	0.403
160.	13.786	34.988	2.35	27.240	0.423
170.	13.553	34.963	2.33	27.269	0.441
180.	13.455	34.956	2.15	27.283	0.458
190.	13.199	34.937	2.06	27.321	0.477
200.	12.850	34.907	1.93	27.347	0.493
250.	12.740	34.896	1.51	27.382	0.581
300.	11.836	34.841	0.67	27.515	0.664
350.	10.936	34.792	0.37	27.645	0.740
400.	9.238	34.691	0.57	27.857	0.800
450.	8.584	34.658	0.57	27.941	0.877
500.	7.794	34.620	0.73	27.926	0.920
550.	7.558	34.617	0.72	27.258	0.985
600.	6.528	34.586	1.04	27.123	1.038
650.	6.485	34.571	1.19	27.172	1.088
700.	6.610	34.562	1.35	27.215	1.138
750.	5.815	34.557	1.47	27.247	1.185
800.	5.444	34.549	1.73	27.287	1.231
850.	5.384	34.550	1.79	27.316	1.275
900.	5.015	34.557	1.72	27.343	1.319
950.	4.857	34.555	1.80	27.360	1.350
1000.	4.679	34.556	1.86	27.382	1.400
1500.	3.174	34.608	2.95	27.578	1.775
2000.	2.255	34.646	2.51	27.689	1.955
2381.	1.581	34.657	2.84	27.720	2.043

CAST EP2-82-DI-013 DATE 04 APR 82 TIME 1700 GMT
LAT 0 30.4S LONG 095 00.4W

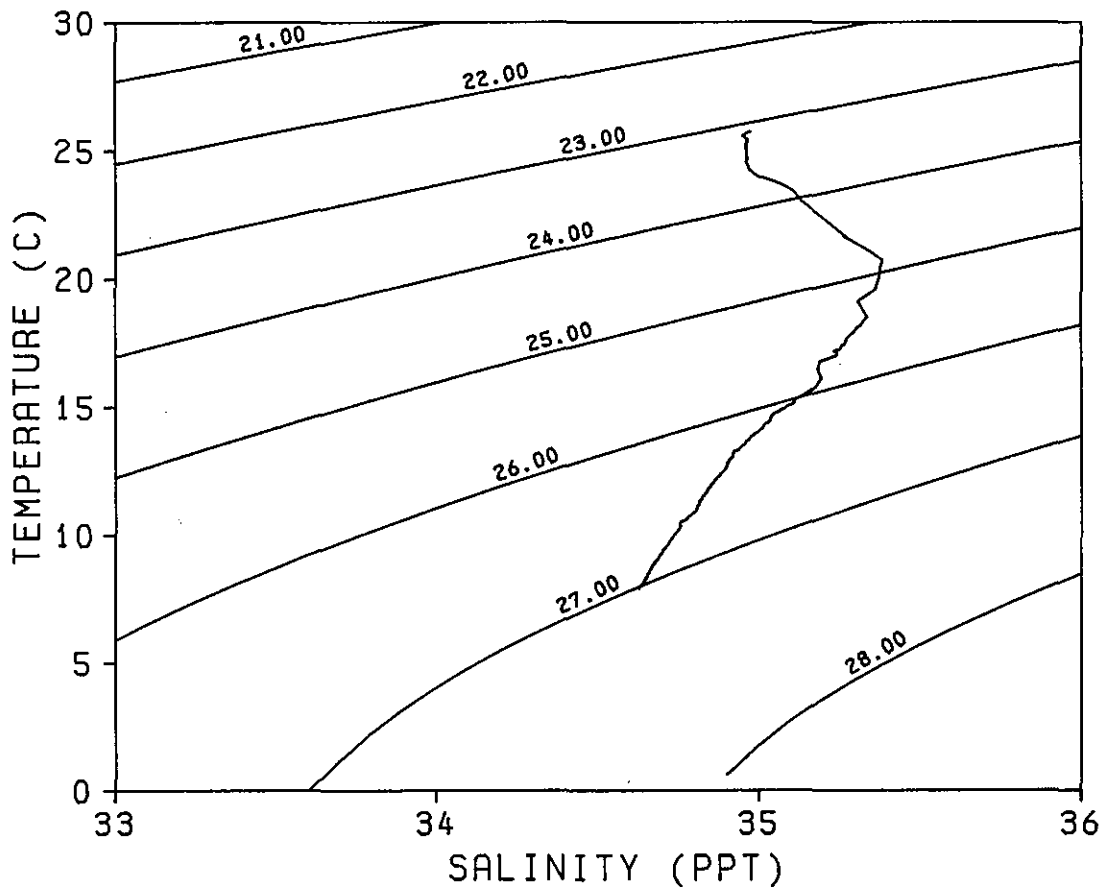


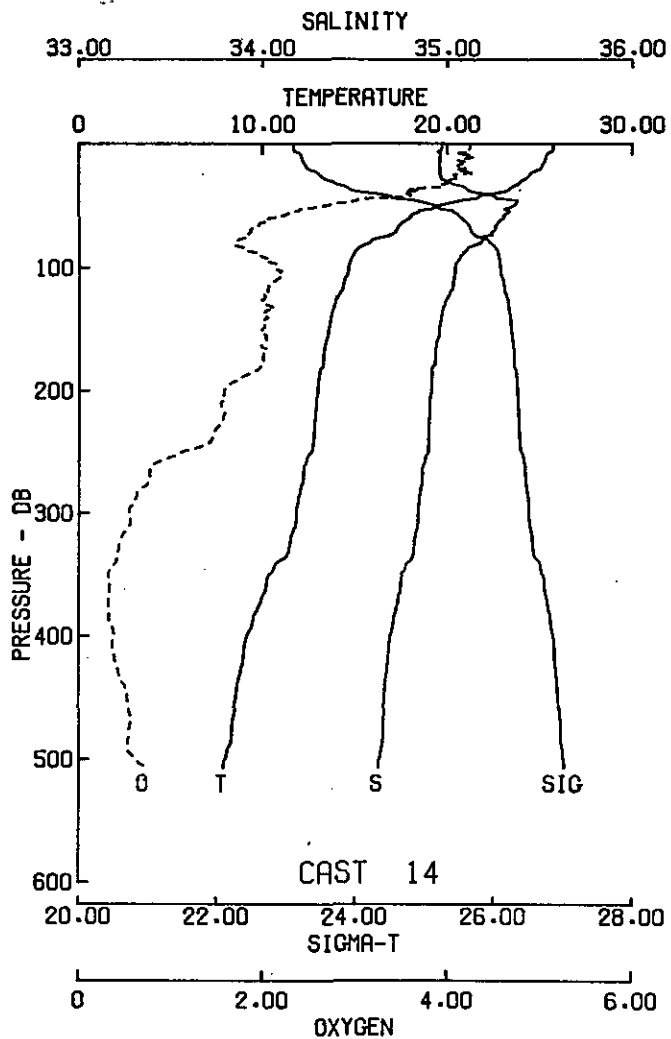
CAST EP2-B2-DI-313 DATE 04 APR 82 TIME 1700 GMT
 LAT 030.48 LONG 195 00.4W WEATHER 0 SEA STATE 0
 BAROMETER 12 WIND DTR 150 T SPD 05 KT VISIBILITY P
 CLOUD 0 AMOUNT 0 DRY 26.5 WET 24.0 DPTH 3370 M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.500	34.979	4.03	23.191	0.600
10.	24.703	34.955	4.25	23.415	.046
20.	24.091	34.966	4.03	23.607	.090
30.	22.157	35.258	3.79	24.387	.130
40.	20.411	35.469	2.85	25.627	.164
50.	17.510	35.368	2.24	26.690	.199
60.	16.606	35.296	2.13	26.851	.211
70.	15.916	35.228	2.22	26.959	.233
80.	15.622	35.201	2.16	26.005	.257
90.	15.498	35.186	2.09	26.021	.274
100.	15.280	35.162	2.02	26.051	.294
110.	14.779	35.110	1.95	26.122	.313
120.	14.469	35.079	2.06	26.167	.332
130.	14.271	35.057	2.03	26.193	.351
140.	14.074	35.029	1.94	26.211	.370
150.	14.018	35.023	2.00	26.220	.389
160.	13.899	35.010	2.07	26.233	.407
170.	13.659	34.987	2.16	26.266	.425
180.	13.416	34.960	2.03	26.294	.443
190.	13.193	34.930	1.84	26.317	.461
200.	13.980	34.924	1.77	26.335	.478
250.	12.619	34.892	1.24	26.402	.564
300.	11.697	34.834	.61	26.536	.646
350.	10.669	34.784	.39	26.685	.724
400.	9.289	34.698	.47	26.854	.792
450.	8.579	34.663	.57	26.941	.854
500.	8.060	34.637	.67	27.000	.913
550.	7.352	34.603	.97	27.077	.970
600.	6.860	34.584	1.05	27.131	1.023
650.	6.498	34.573	1.19	27.171	1.074
700.	6.177	34.565	1.29	27.207	1.123
750.	5.829	34.554	1.55	27.268	1.170
800.	5.476	34.550	1.73	27.283	1.215
850.	5.270	34.550	1.78	27.309	1.258
900.	5.122	34.553	1.77	27.328	1.300
950.	4.927	34.556	1.77	27.353	1.346
1000.	4.713	34.558	1.82	27.379	1.386
1050.	4.603	34.550	1.84	27.393	1.426

CAST EP2-82-DI-014 DATE 04 APR 82 TIME 2139 GMT
LAT 0 44.8S LONG 094 59.7W

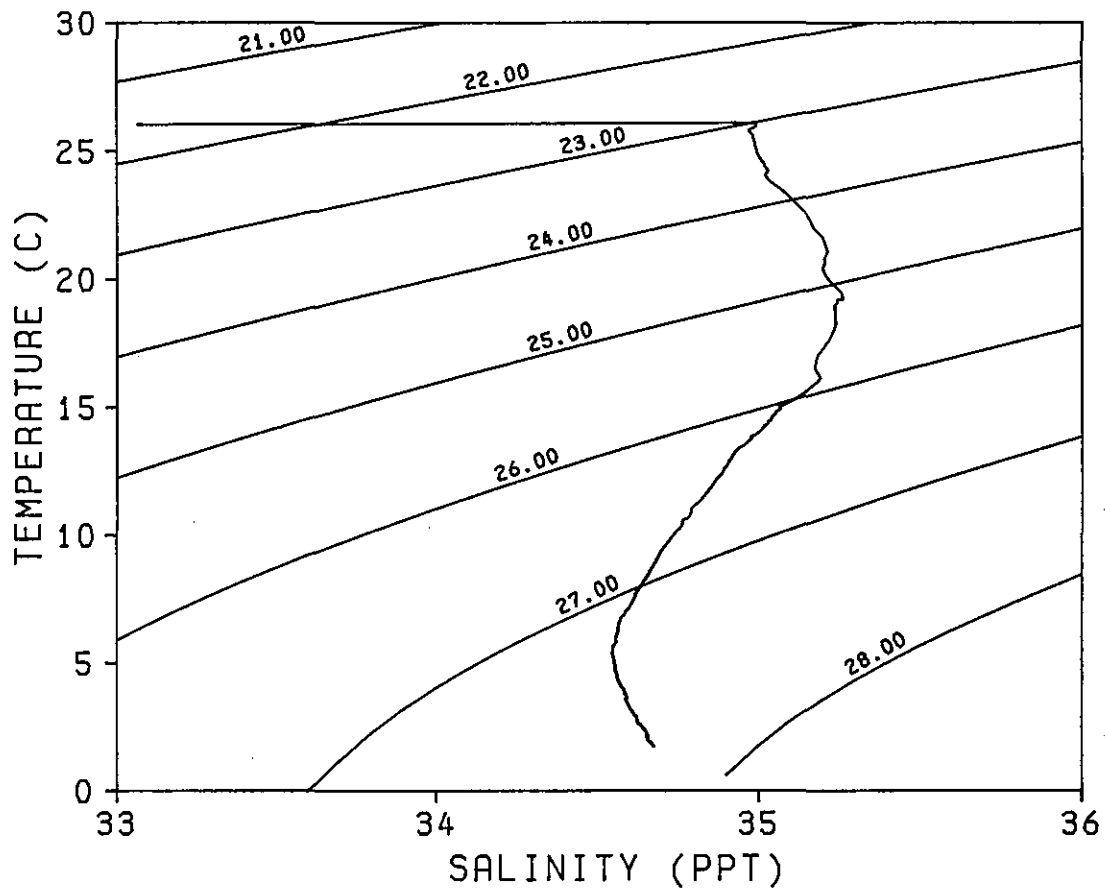




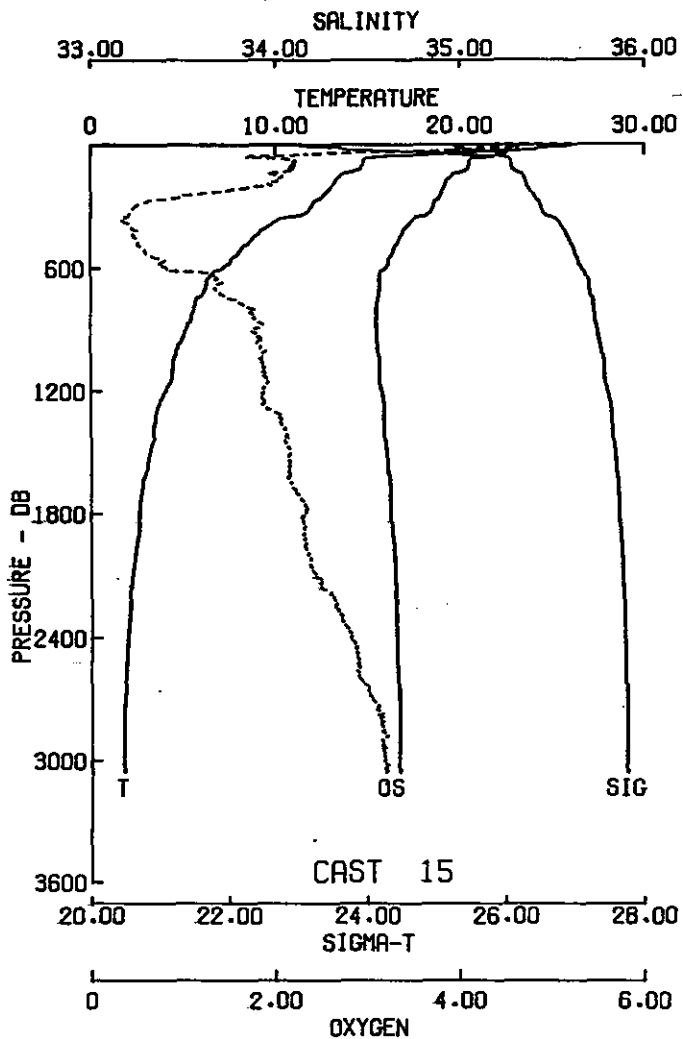
CAST EP2-82-DI-014 DATE 04 APR 82 TIME 2139 GMT
 LAT 0 44.8S LONG 094 59.7W WEATHER 1 SEA STATE 1
 BAROMETER 10 WIND DIR 130 T SPD 03 KT VISIBILITY 7
 CLUD 8 AMOUNT 5 DRY 25.9 WET 24.0 DEPTH 3510 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.725	34.972	4.25	23.116	0.000
10.	25.340	34.963	4.28	23.228	.047
20.	25.048	34.960	4.20	23.315	.094
30.	24.013	34.991	4.01	23.649	.138
40.	22.541	35.179	3.53	24.219	.179
50.	19.533	35.359	2.68	25.175	.211
60.	17.950	35.299	2.07	25.530	.237
70.	17.212	35.252	1.86	25.673	.261
80.	15.809	35.182	1.70	25.948	.284
90.	14.991	35.079	1.98	26.072	.304
100.	14.642	35.041	2.15	26.098	.323
110.	14.429	35.035	2.14	26.143	.342
120.	14.248	35.015	2.07	26.163	.362
130.	13.912	34.986	2.03	26.211	.380
140.	13.696	34.967	2.04	26.242	.399
150.	13.562	34.957	1.99	26.262	.417
160.	13.420	34.944	2.02	26.282	.435
170.	13.306	34.935	2.01	26.298	.453
180.	13.257	34.929	1.98	26.303	.471
190.	13.037	34.917	1.76	26.339	.488
200.	12.973	34.914	1.58	26.349	.506
250.	12.656	34.897	1.13	26.399	.592
300.	11.828	34.842	.54	26.517	.678
350.	10.387	34.752	.33	26.710	.757
400.	9.155	34.693	.39	26.872	.817
450.	8.578	34.662	.53	26.940	.879
500.	7.964	34.620	.61	27.008	.938
507.	7.865	34.628	.72	27.021	

CAST EP2-82-DI-015 DATE 05 APR 82 TIME 0556 GMT
LAT 1 01.2S LONG 094 58.1W



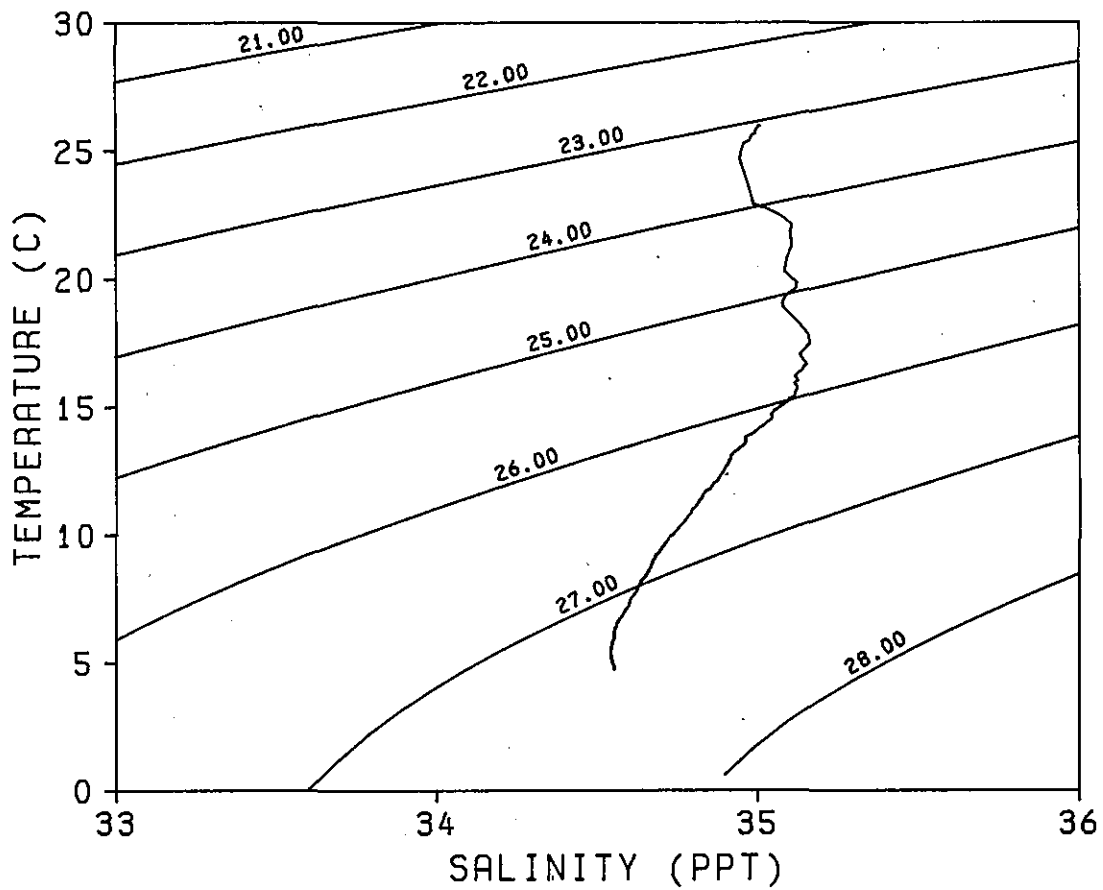
CAST FP2-82-DI-015 DATE 05 APR 82 TIME 0556 GMT
 LAT 1 01.25 LONG 094 58.1W WEATHER 1 SEA STATE 0
 BAROMETER 12 WIND DIR 100 T SPD 09 KT VISIBLITY 8
 CLOUD 6 AMOUNT 2 CRY 26.1 WET 24.2 DEPTH 3322 M

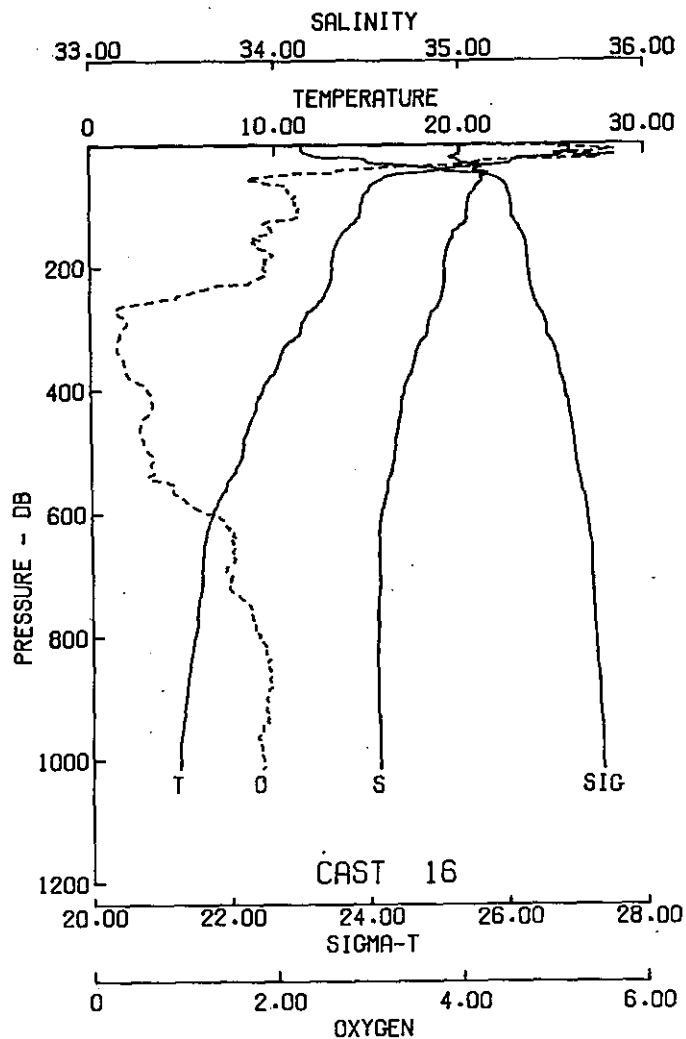


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-S (OYN-M)
0.	26.045	33.066	5.21	21.583	0.000
10.	25.777	34.967	4.63	23.097	.051
20.	24.274	35.022	4.49	23.595	.096
30.	23.494	35.068	3.85	23.860	.138
40.	20.526	35.203	3.96	24.794	.174
50.	18.705	35.237	3.32	25.293	.203
60.	15.915	35.317	1.78	25.920	.228
70.	14.902	35.367	2.01	26.062	.248
80.	14.787	35.353	2.22	26.076	.268
90.	14.758	35.350	2.27	26.081	.287
100.	14.740	35.349	2.18	26.084	.307
110.	14.676	35.348	2.16	26.096	.327
120.	14.639	35.347	2.20	26.102	.346
130.	14.422	35.346	2.15	26.138	.366
140.	14.077	35.345	1.98	26.192	.385
150.	13.615	35.344	1.85	26.255	.403
160.	13.527	35.344	1.88	26.269	.421
170.	13.427	35.344	1.85	26.280	.438
180.	13.328	35.344	1.88	26.295	.457
190.	13.244	35.344	1.94	26.304	.475
200.	13.175	35.344	1.95	26.313	.493
250.	12.595	35.344	1.98	26.407	.576
300.	11.972	35.344	1.80	26.500	.662
350.	11.355	35.344	1.40	26.588	.741
400.	9.655	35.344	1.16	26.807	.811
450.	8.953	35.344	1.17	26.895	.876
500.	8.390	35.344	1.57	26.974	.937
550.	7.851	35.344	1.64	27.024	.995
600.	7.273	35.344	1.83	27.090	1.050
650.	6.395	35.344	1.39	27.178	1.102
700.	6.226	35.344	1.34	27.200	1.151
750.	5.750	35.344	1.53	27.256	1.198
800.	5.590	35.344	1.75	27.267	1.245
850.	5.447	35.344	1.77	27.285	1.290
900.	5.179	35.344	1.79	27.319	1.334
950.	4.565	35.344	1.85	27.346	1.377
1000.	4.700	35.344	1.85	27.379	1.416
1500.	3.198	35.344	1.46	27.572	1.777
2000.	2.798	35.344	1.55	27.677	2.064
2500.	1.916	35.344	2.90	27.729	2.314
3000.	1.757	35.344	3.20	27.752	2.547
3063.	1.755	35.344	3.20	27.751	

55

CAST EP2-82-DI-016. DATE 05 APR 82 TIME 1156 GMT
LAT 1 31.1S LONG 095 02.2W

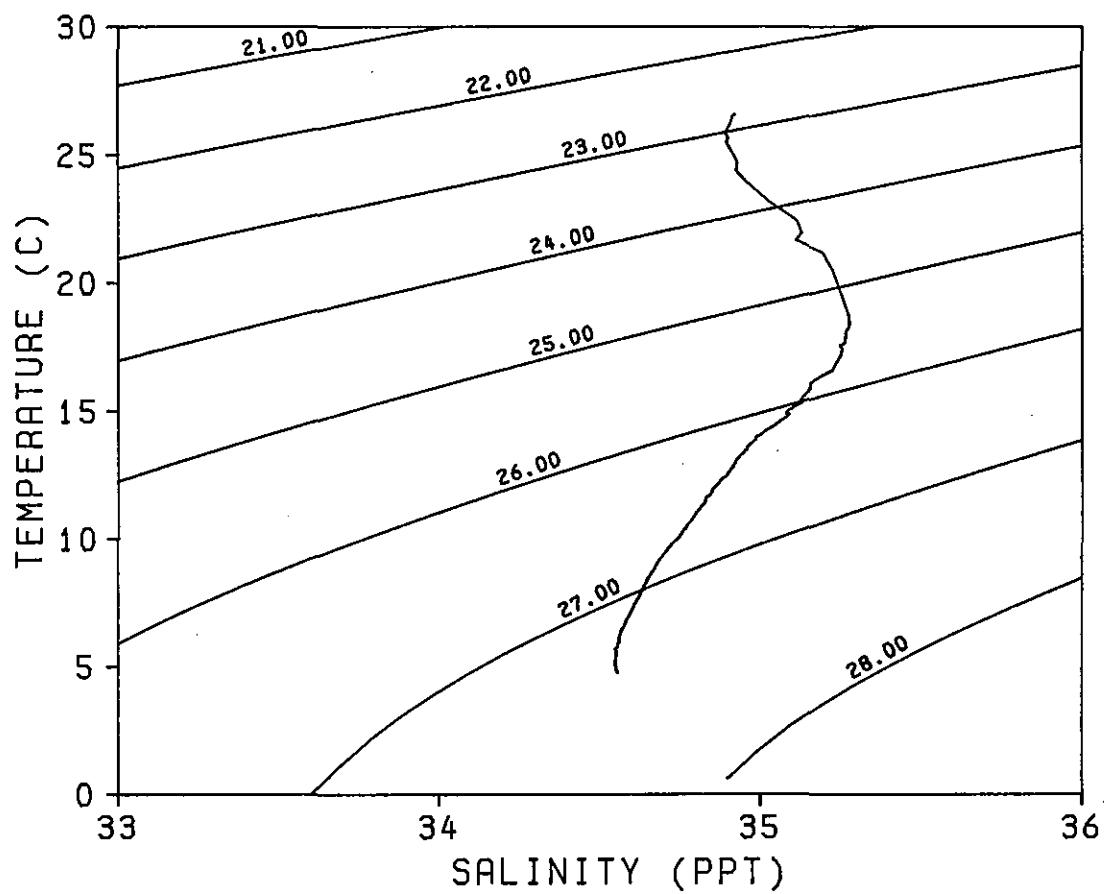




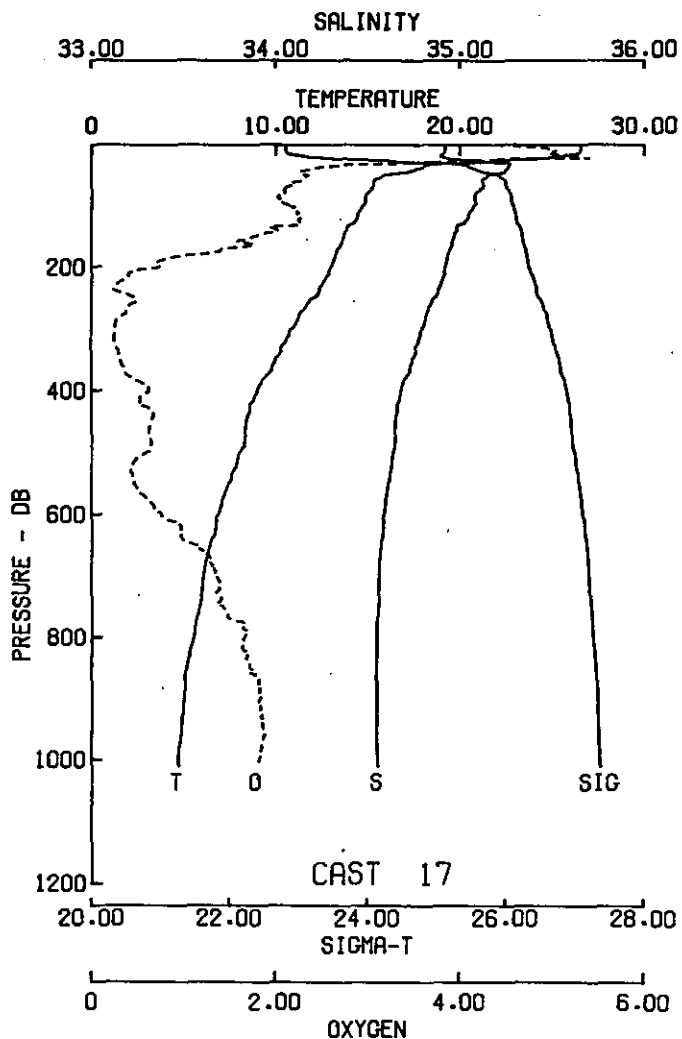
CAST EP2-82-01-016 DATE 05 APR 82 TIME 1156 GMT
 LAT 1 31.15 LONG 095 02.2W WEATHER 1 SEA STATE 1
 BAROMETER 10 WIND DIR 090 T SPD 10 KT VISIRILITY 7
 CLOUD 8 AMOUNT 3 DRY 25.1 WET 23.6 DEPTH 3349 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.675	34.9102	2.40	22.889	0.000
10.	25.081	34.9007	5.63	23.063	.068
20.	25.267	34.9509	5.52	23.247	.116
30.	22.762	34.9183	4.20	24.634	.157
40.	19.377	34.9509	2.97	25.011	.191
50.	16.538	34.9514	2.07	25.749	.218
60.	15.551	34.9511	1.77	25.958	.230
70.	15.141	34.9508	2.13	26.025	.260
80.	14.608	34.9506	2.20	26.057	.280
90.	14.788	34.9505	2.23	26.074	.300
100.	14.697	34.9503	2.23	26.088	.315
110.	14.665	34.9504	2.25	26.093	.330
120.	14.605	34.9505	2.22	26.110	.350
130.	14.502	34.9502	1.88	26.159	.370
140.	13.533	34.9505	1.95	26.207	.390
150.	13.600	34.9504	1.81	26.260	.415
160.	13.594	34.9504	1.77	26.289	.430
170.	13.262	34.9504	1.93	26.306	.450
180.	13.218	34.9502	1.98	26.311	.460
190.	13.128	34.9502	1.90	26.323	.480
200.	13.196	34.9518	1.87	26.328	.500
250.	12.634	34.9001	.94	26.406	.590
300.	11.397	34.8809	.36	26.584	.670
350.	10.229	34.8752	.35	26.738	.740
400.	9.325	34.8398	.62	26.848	.810
450.	8.649	34.8668	.55	26.933	.870
500.	8.178	34.8644	.62	26.986	.930
550.	7.790	34.8605	.83	27.073	.990
600.	6.576	34.8567	1.27	27.156	1.040
650.	6.075	34.8506	1.52	27.213	1.090
700.	5.946	34.8504	1.50	27.231	1.130
750.	5.743	34.8500	1.72	27.250	1.180
800.	5.546	34.8547	1.81	27.272	1.230
850.	5.266	34.8546	1.90	27.306	1.270
900.	5.070	34.8544	1.90	27.331	1.310
950.	4.857	34.8555	1.84	27.350	1.360
1000.	4.746	34.8555	1.84	27.374	1.400
1015.	4.708	34.8556	1.83	27.378	

CAST EP2-82-DI-017 DATE 05 APR 82 TIME 1521 GMT
LAT 2 00.3S LONG 094 59.2W

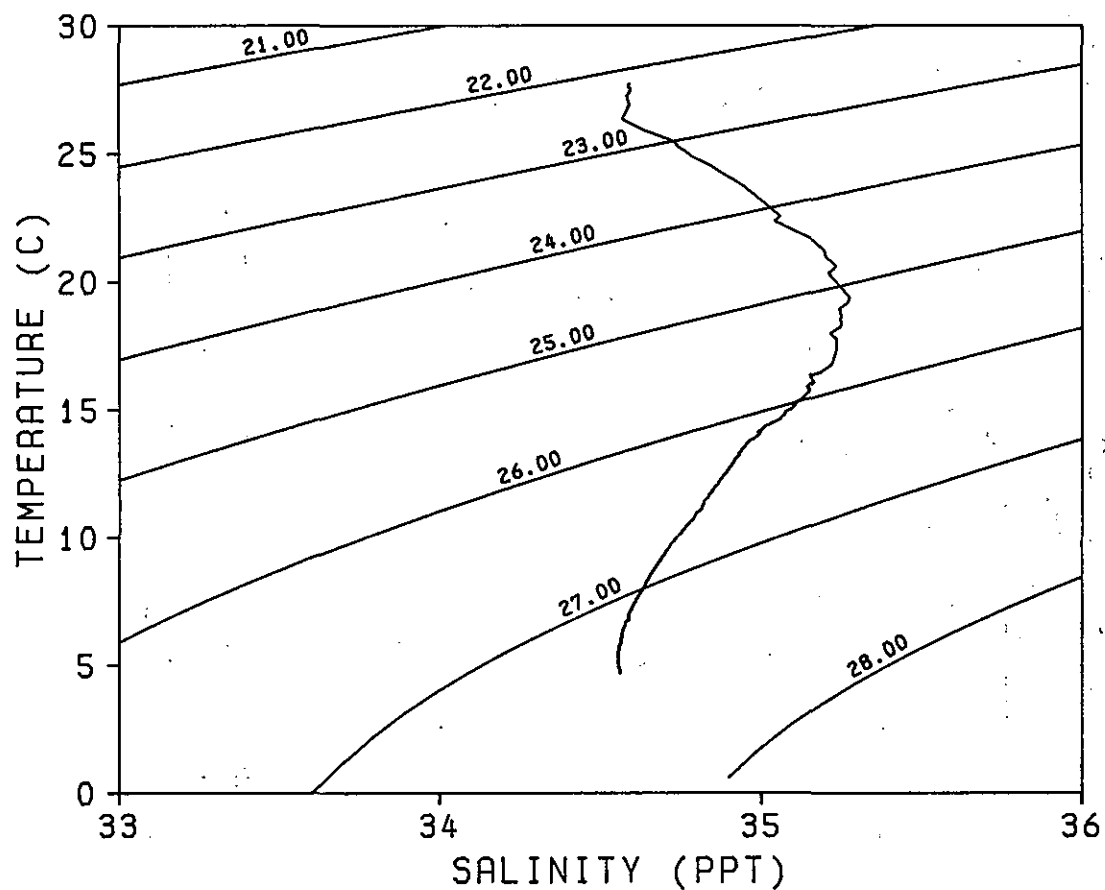


CAST EP2-82-CI-017 DATE 05 APR 82 TIME 1521 GMT
 LAT 2 00.3S LONG 094 59.2W WEATHER 1 SEA STATE 2
 BAROMETER 12 WIND DIR 095 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT ? DRY 27.2 WET 24.8 DEPTH 3249 M

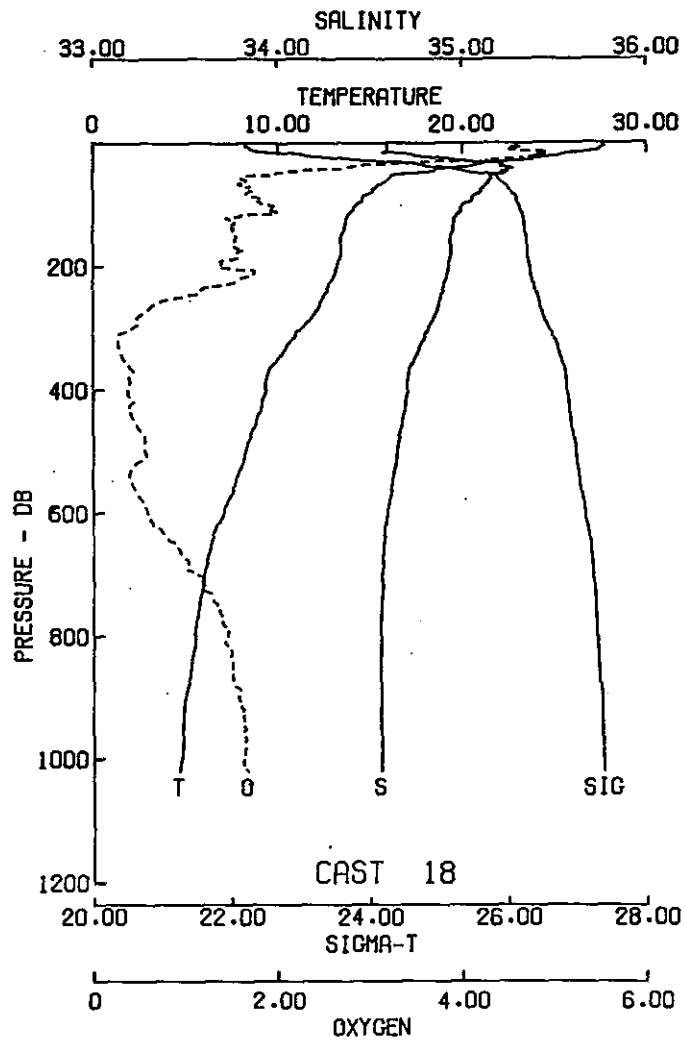


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.575	34.923	4.59	22.813	0.000
10.	26.549	34.920	5.04	22.820	.051
20.	25.484	34.897	5.26	23.134	.170
30.	20.440	35.226	3.44	24.834	.140
40.	17.668	35.263	2.41	25.572	.166
50.	15.998	35.156	2.36	25.908	.186
60.	15.345	35.123	2.25	26.007	.210
70.	15.274	35.128	2.12	26.027	.230
80.	14.856	35.085	2.07	26.062	.250
90.	14.856	35.081	2.06	26.083	.270
100.	14.714	35.078	2.15	26.112	.289
110.	14.535	35.057	2.23	26.134	.308
120.	14.428	35.045	2.27	26.149	.328
130.	14.175	35.013	2.23	26.177	.347
140.	13.846	34.985	2.03	26.225	.365
150.	13.698	34.970	1.76	26.245	.384
160.	13.586	34.961	1.66	26.260	.403
170.	13.400	34.950	1.45	26.290	.422
180.	13.253	34.938	1.15	26.311	.441
190.	13.151	34.932	.75	26.327	.459
200.	13.016	34.925	.75	26.349	.477
250.	12.124	34.868	.48	26.480	.557
300.	10.972	34.799	.27	26.643	.634
350.	9.976	34.741	.31	26.772	.704
400.	9.020	34.683	.63	26.886	.770
450.	8.444	34.655	.66	26.955	.831
500.	8.065	34.639	.60	27.001	.890
550.	7.463	34.615	.47	27.070	.948
600.	6.929	34.593	.77	27.129	.999
650.	6.445	34.574	1.15	27.179	1.050
700.	6.096	34.564	1.36	27.217	1.099
750.	5.866	34.555	1.43	27.243	1.146
800.	5.655	34.555	1.67	27.276	1.192
850.	5.200	34.552	1.73	27.318	1.237
900.	5.026	34.552	1.85	27.338	1.279
950.	4.915	34.552	1.87	27.353	1.321
1000.	4.751	34.559	1.83	27.376	1.365
1011.	4.729	34.560	1.80	27.379	

CAST EP2-82-DI-018 DATE 05 APR 82 TIME 2107 GMT
LAT 2 31.1S LONG 095 01.2W

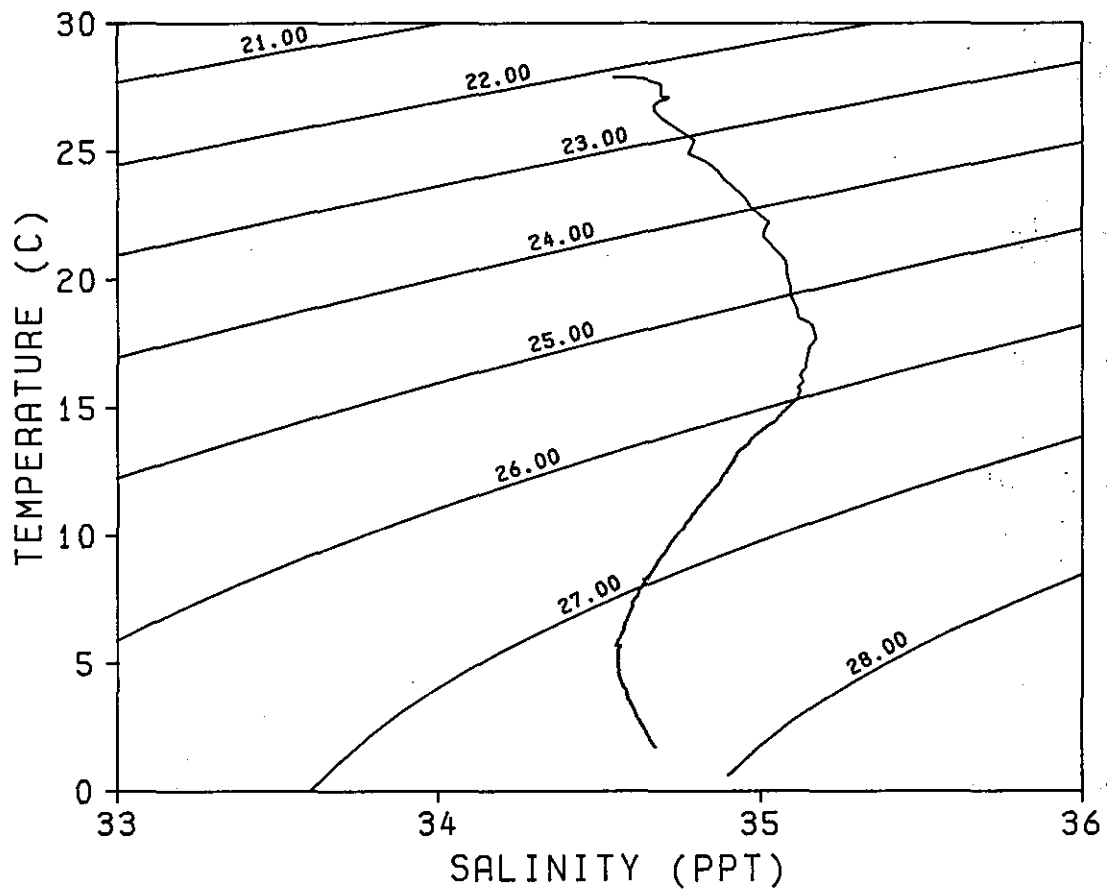


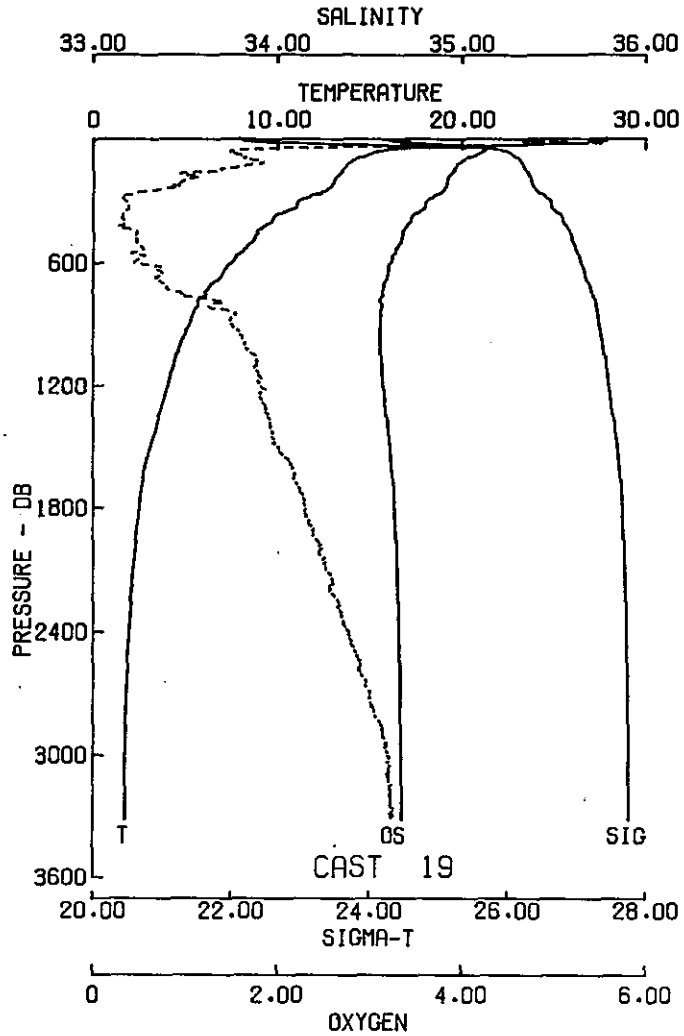
CAST EF2-82-DI-C18 DATE 05 APR 82 TIME 2107 GMT
 LAT 231.15 LONG 095 01.2W WEATHER 1 SEA STATE 1
 BAROMETER OR WIND DIR 080 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 PRY 27.5 WET 24.8 DEPTH 2914 M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.712	34.597	4.59	22.201	0.000
10	27.487	34.598	4.53	22.277	.056
20	25.364	34.741	4.88	23.053	.109
30	22.537	35.058	4.29	24.128	.153
40	19.613	35.246	2.79	25.015	.187
50	17.297	35.233	1.98	25.639	.213
60	16.036	35.163	1.64	25.882	.235
70	15.384	35.127	1.69	26.001	.256
80	15.080	35.098	1.67	26.047	.276
90	14.580	35.053	1.81	26.121	.296
100	14.243	35.006	1.89	26.187	.315
110	14.082	34.998	1.96	26.185	.334
120	13.793	34.964	1.53	26.220	.352
130	13.672	34.954	1.52	26.237	.371
140	13.627	34.951	1.52	26.245	.389
150	13.492	34.942	1.55	26.265	.407
160	13.419	34.937	1.54	26.276	.425
170	13.415	34.937	1.55	26.277	.443
180	13.415	34.937	1.56	26.277	.461
190	13.316	34.930	1.45	26.292	.479
200	13.197	34.927	1.37	26.314	.497
250	12.434	34.881	.96	26.430	.583
300	11.341	34.818	.42	26.590	.664
350	10.004	34.740	.33	26.767	.736
400	9.337	34.702	.38	26.850	.801
450	8.860	34.675	.44	26.906	.864
500	8.267	34.646	.56	26.976	.925
550	7.724	34.622	.41	27.038	.983
600	7.065	34.595	.59	27.111	1.037
650	6.366	34.573	.88	27.189	1.086
700	6.009	34.566	1.11	27.229	1.136
750	5.739	34.562	1.34	27.260	1.183
800	5.504	34.559	1.46	27.287	1.228
850	5.301	34.558	1.51	27.311	1.272
900	4.986	34.560	1.59	27.349	1.315
950	4.858	34.561	1.65	27.365	1.356
1000	4.775	34.564	1.62	27.377	1.398
1021	4.673	34.563	1.68	27.387	

CAST EP2-82-DI-019 DATE 09 APR 82 TIME 1113 GMT
LAT 2 58.6S LONG 095 01.0W

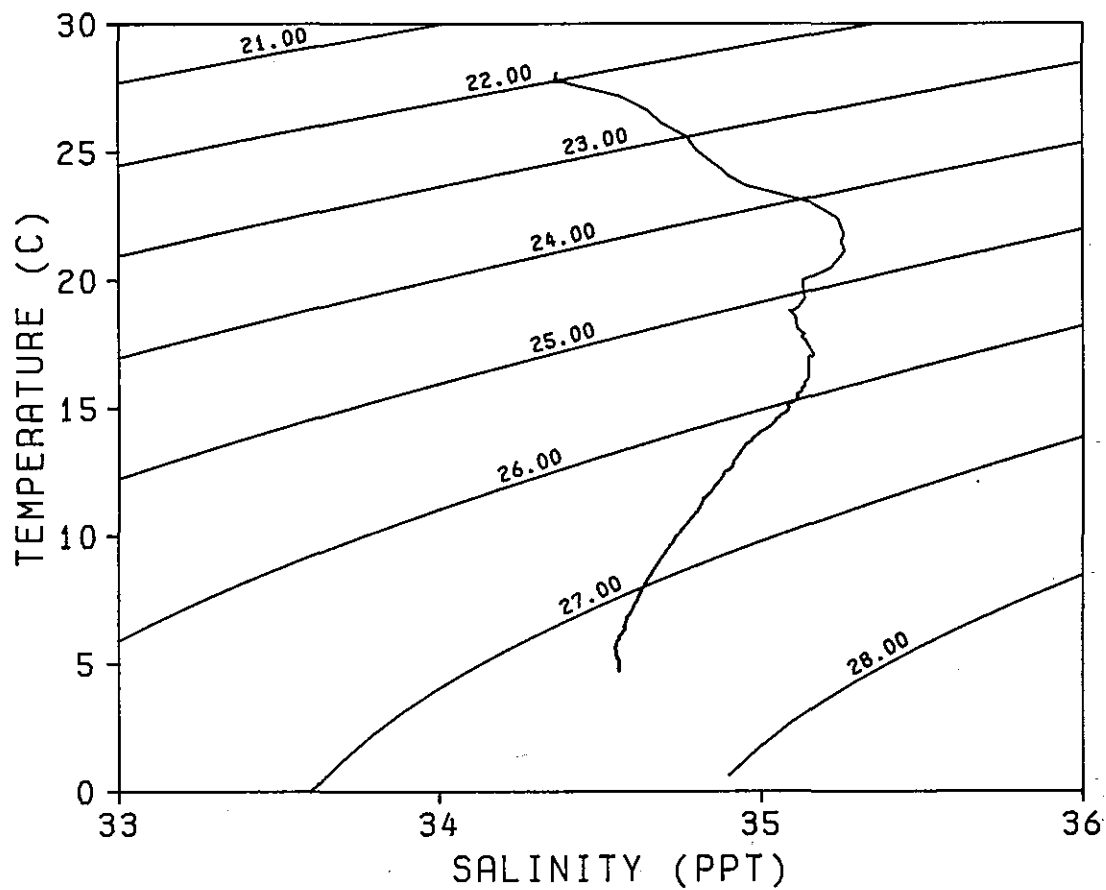




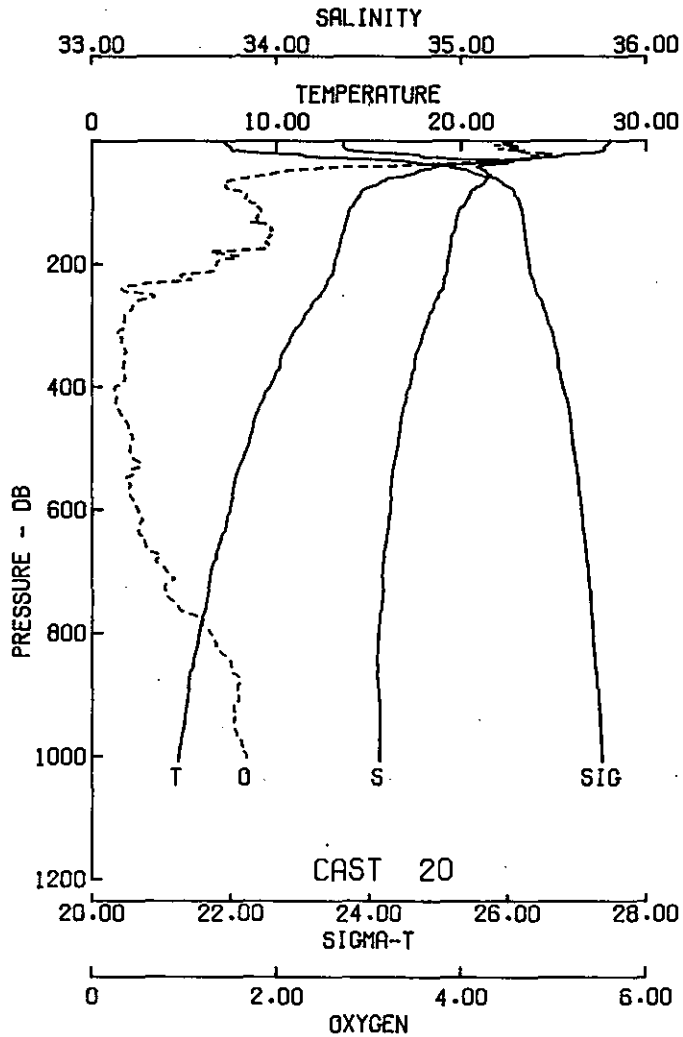
CAST FF2-82-DI-019 DATE 09 APR 82 TIME 1113 GMT
 LAT 2 52.65 S LONG 095 01.0W WEATHER 1 SEA STATE 0
 BAROMETER 09 WIND DIR 125 T SPD 07 KT VISIBILITY 6
 CLOUD 8 AMOUNT 5 DRY 26.2 WET 24.2 DEPTH 3537 M

PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.872	34.547	4.75	22.114	0.000
10.	27.868	34.568	4.71	22.162	.057
20.	26.952	34.588	4.96	22.517	.112
30.	23.854	34.587	4.78	23.617	.150
40.	19.375	34.592	3.27	25.012	.166
50.	16.345	34.628	1.91	25.783	.223
60.	15.611	34.626	1.54	25.950	.247
70.	15.173	34.604	1.50	26.030	.264
80.	14.905	34.581	1.50	26.071	.283
90.	14.634	34.560	1.50	26.115	.300
100.	14.236	34.520	1.69	26.169	.322
110.	14.046	34.501	1.82	26.195	.344
120.	13.901	34.498	1.84	26.214	.356
130.	13.779	34.497	1.89	26.230	.378
140.	13.725	34.497	1.88	26.238	.396
150.	13.678	34.495	1.84	26.261	.414
160.	13.475	34.492	1.73	26.276	.432
170.	13.387	34.494	1.69	26.289	.450
180.	13.230	34.492	1.69	26.308	.468
190.	13.198	34.492	1.11	26.328	.486
200.	13.072	34.492	1.99	26.335	.503
250.	12.658	34.490	.70	26.400	.590
300.	11.215	34.481	.34	26.409	.670
350.	10.617	34.477	.37	26.490	.744
400.	9.710	34.472	.34	26.803	.813
450.	8.912	34.468	.46	26.901	.877
500.	8.605	34.466	.48	26.938	.939
550.	8.279	34.463	.48	26.999	.998
600.	7.833	34.461	.44	27.061	1.055
650.	7.046	34.459	.74	27.117	1.109
700.	6.504	34.458	.75	27.176	1.161
750.	6.095	34.456	.94	27.220	1.210
800.	5.679	34.456	1.31	27.270	1.257
850.	5.437	34.455	1.11	27.296	1.302
900.	5.233	34.455	1.50	27.319	1.346
950.	5.014	34.455	1.61	27.344	1.389
1000.	4.755	34.456	1.64	27.375	1.433
1500.	3.122	34.461	2.01	27.585	1.789
2000.	2.285	34.447	2.22	27.688	2.067
2500.	1.500	34.465	2.85	27.732	2.313
3000.	1.174	34.474	3.21	27.752	2.548
3537.	1.759	34.467	3.22	27.754	

CAST EP2-82-DI-020 DATE 09 APR 82 TIME 2000 GMT
LAT 3 28.3S LONG 095 01.8W

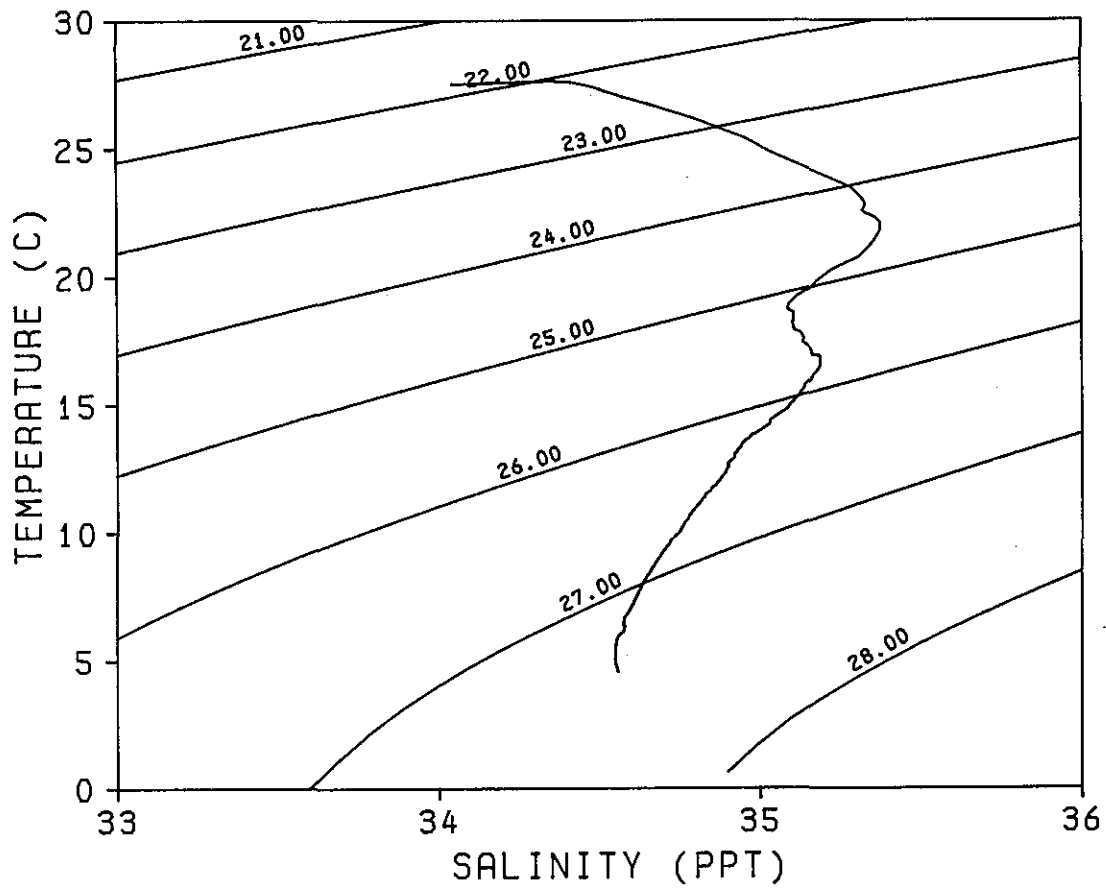


CAST FP2-92-DI-020 DATE 09 APR 82 TIME 2000 GMT
 LAT 3 28.7S LONG 096 01.8W WEATHFR 8 SEA STATE 3
 BAROMETER 10 WIND DIR 095 T SPD 10 KT VISIBILITY 7
 CLOUD 9 AMOUNT 7 DRY 28.1 WET 24.9 DEPTH 3155 M

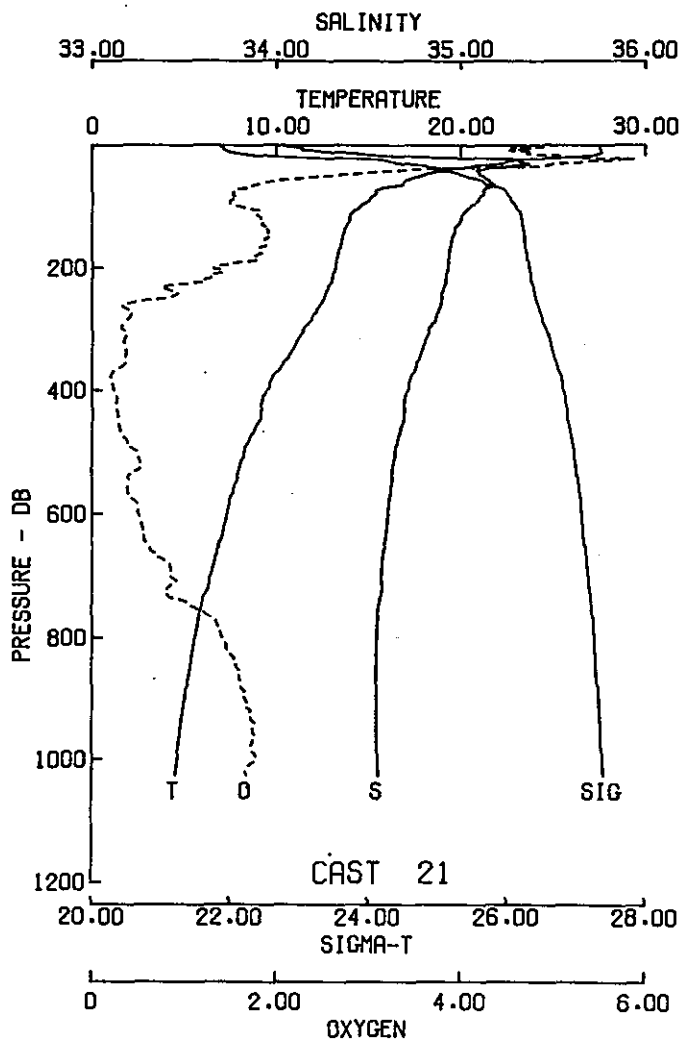


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	28.073	34.365	4.50	21.913	0.000
10.	27.749	34.360	4.56	22.014	.059
20.	27.157	34.563	4.72	22.458	.116
30.	23.656	34.952	4.50	23.725	.164
40.	19.231	35.136	3.37	25.083	.198
50.	17.706	35.126	2.10	25.488	.226
60.	16.446	35.147	1.72	25.774	.250
70.	15.596	35.127	1.43	25.954	.271
80.	14.737	35.069	1.50	26.100	.291
90.	14.534	35.048	1.68	26.127	.311
100.	14.244	35.026	1.71	26.173	.330
110.	13.693	34.993	1.82	26.200	.348
120.	13.870	34.981	1.82	26.217	.367
130.	13.787	34.973	1.78	26.222	.385
140.	13.690	34.968	1.93	26.245	.404
150.	13.613	34.961	1.94	26.253	.422
160.	13.495	34.947	1.92	26.269	.440
170.	13.423	34.943	1.92	26.280	.458
180.	13.351	34.941	1.32	26.293	.476
190.	13.234	34.933	1.37	26.311	.494
200.	13.156	34.929	1.35	26.324	.511
250.	12.413	34.883	.64	26.437	.597
300.	11.230	34.812	.35	26.606	.678
350.	10.253	34.754	.35	26.736	.748
400.	9.670	34.726	.26	26.812	.817
450.	8.829	34.675	.35	26.891	.881
500.	8.416	34.655	.43	26.959	.942
550.	7.777	34.625	.37	27.033	1.000
600.	7.484	34.615	.51	27.067	1.056
650.	6.987	34.595	.57	27.122	1.110
700.	6.486	34.577	.82	27.176	1.161
750.	6.195	34.571	.80	27.209	1.210
800.	5.824	34.553	1.29	27.243	1.258
850.	5.507	34.549	1.51	27.279	1.304
900.	5.199	34.553	1.58	27.319	1.349
950.	5.012	34.560	1.54	27.346	1.391
1000.	4.729	34.558	1.69	27.377	1.433
1000.	4.624	34.560	1.68	27.384	

CAST EP2-82-DI-021 DATE 09 APR 82 TIME 2238 GMT
LAT 3 57.4S LONG 095 02.1W

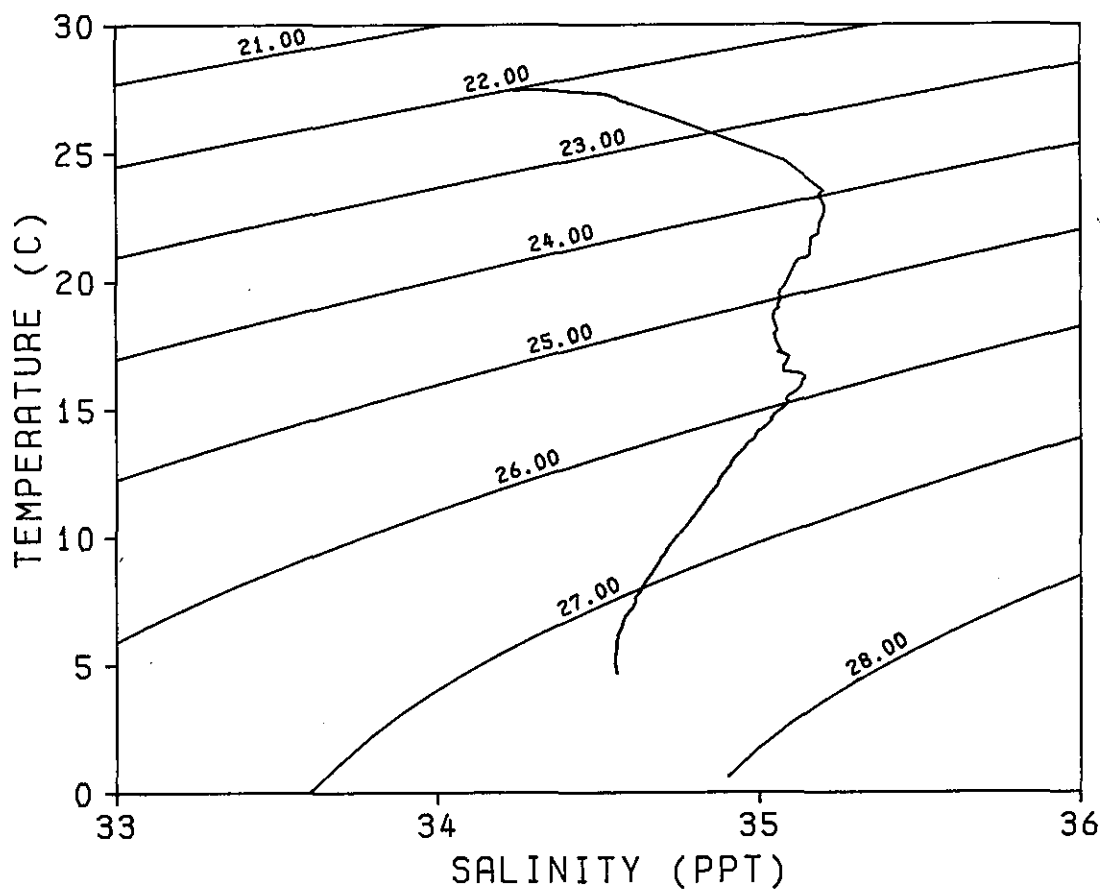


CAST FF2-82-CI-021 DATE 09 APR 82 TIME 2238 GMT
 LAT 3 57.4S LONG 095 02.1W WEATHER 6 SEA STATE 2
 BAROMETER 10 WIND DIR 085 T SPD 17 KT VISIBILITY 6
 CLOUD 6 AMOUNT 8 PRY 23.8 WET 23.6 DEPTH 3687 M

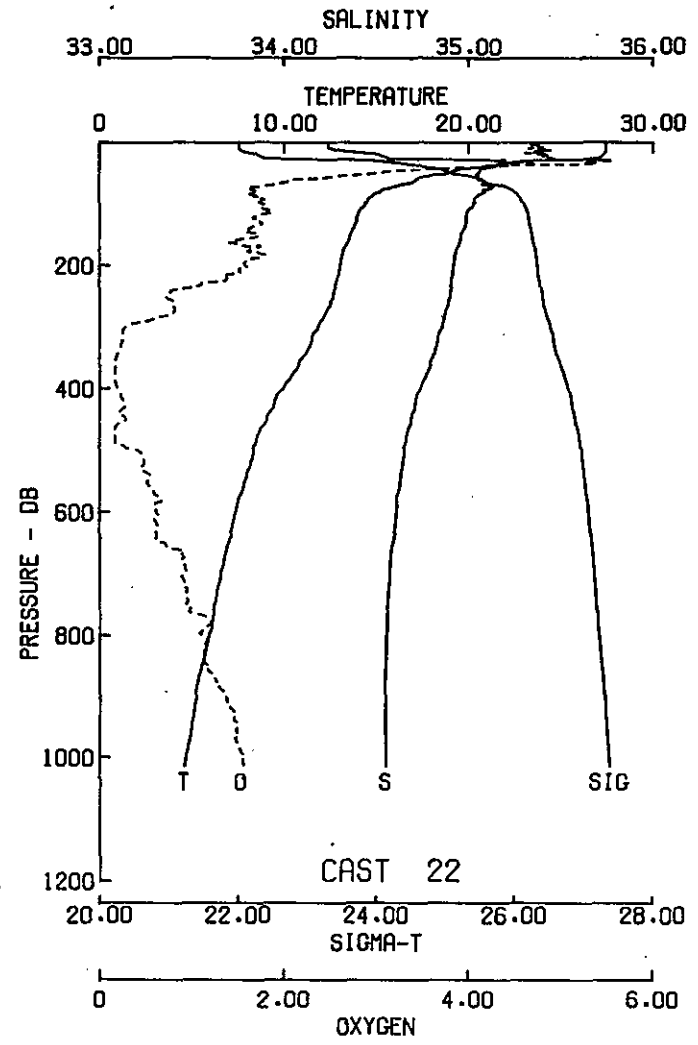


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.526	34.044	5.94	21.849	0.000
10.	27.602	34.225	4.69	21.960	.056
20.	26.168	34.795	5.24	22.845	.116
30.	22.284	35.355	5.09	24.425	.155
40.	19.324	35.131	5.51	25.355	.184
50.	17.888	35.106	5.58	25.398	.214
60.	16.940	35.158	5.94	25.666	.238
70.	15.753	35.138	1.67	25.927	.261
80.	15.336	35.122	1.52	26.008	.282
90.	15.009	35.095	1.50	26.063	.302
100.	14.526	35.050	1.62	26.131	.321
110.	14.117	35.018	1.75	26.193	.340
120.	13.970	35.001	1.84	26.211	.359
130.	13.822	34.982	1.85	26.229	.377
140.	13.697	34.969	1.91	26.249	.395
150.	13.580	34.955	1.91	26.257	.413
160.	13.530	34.949	1.87	26.263	.432
170.	13.431	34.942	1.83	26.268	.450
180.	13.358	34.940	1.79	26.271	.468
190.	13.245	34.932	1.65	26.308	.485
200.	13.172	34.929	1.32	26.329	.503
250.	12.566	34.900	.80	26.420	.589
300.	11.489	34.829	.32	26.571	.670
350.	10.579	34.775	.15	26.694	.745
400.	9.549	34.719	.24	26.829	.817
450.	9.095	34.691	.29	26.880	.877
500.	8.273	34.648	.50	26.976	.939
550.	7.794	34.627	.39	27.032	.995
600.	7.323	34.609	.50	27.086	1.051
650.	6.881	34.589	.51	27.132	1.104
700.	6.422	34.573	.55	27.182	1.155
750.	5.939	34.560	1.10	27.233	1.203
800.	5.569	34.549	1.41	27.272	1.249
850.	5.238	34.549	1.58	27.305	1.294
900.	5.029	34.548	1.58	27.335	1.335
950.	4.920	34.550	1.75	27.361	1.390
1000.	4.836	34.555	1.79	27.386	1.420
1026.	4.523	34.558	1.69	27.400	

CAST EP2-82-DI-022 DATE 10 APR 82 TIME 0536 GMT
LAT 4 29.7S LONG 95 00.7W

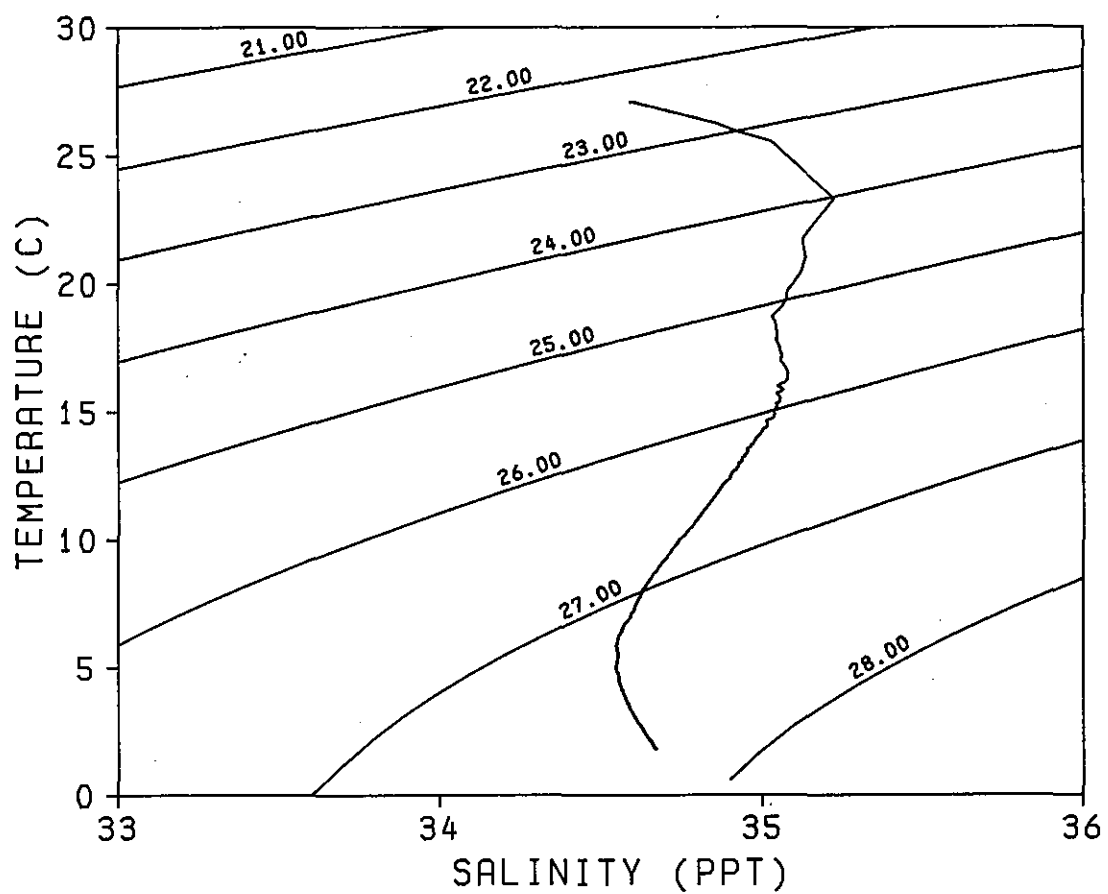


CAST EP2-82-DI-022 DATE 10 APR 82 TIME 0536 GMT
 LAT 4 29.7S LONG 95 00.7W WEATHER 1 SEA STATE 2
 BAROMETER 12 WIND DIR 080 T SPD 08 KT VISIBILITY 8
 CLOUD 7 AMOUNT 8 ERY 25.1 WET 24.0 DEPTH 3848 M

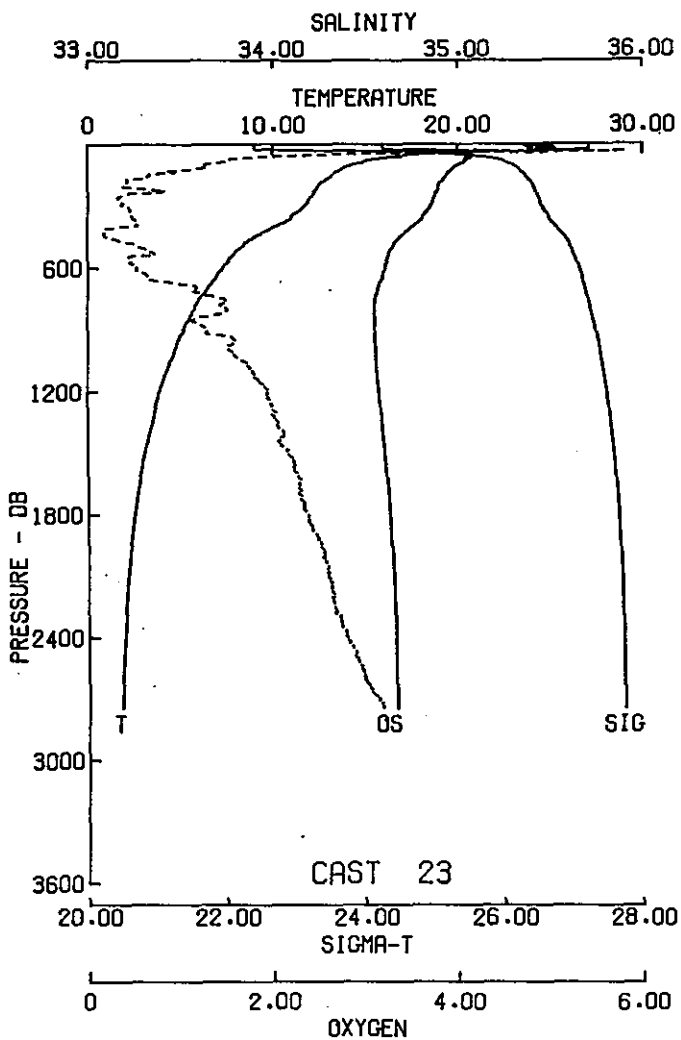


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.452	34.242	4.75	22.021	0.000
10.	27.458	34.245	4.65	22.022	.058
20.	27.307	34.512	4.58	22.271	.115
30.	23.490	35.199	5.55	23.960	.168
40.	20.826	35.120	4.18	24.657	.204
50.	19.002	35.058	3.02	25.082	.235
60.	17.190	35.049	2.34	25.538	.262
70.	16.351	35.124	1.89	25.779	.286
80.	15.261	35.088	1.58	25.999	.307
90.	14.698	35.040	1.37	26.086	.327
100.	14.392	35.025	1.25	26.149	.346
110.	14.114	34.996	1.20	26.177	.365
120.	13.975	34.985	1.17	26.198	.384
130.	13.920	34.988	1.15	26.212	.402
140.	13.784	34.979	1.13	26.233	.421
150.	13.692	34.959	1.11	26.255	.439
160.	13.519	34.955	1.08	26.269	.457
170.	13.375	34.945	1.06	26.292	.475
180.	13.219	34.932	1.04	26.313	.493
190.	13.135	34.926	1.02	26.336	.510
200.	13.078	34.922	1.01	26.358	.528
250.	12.656	34.901	.97	26.402	.614
300.	11.858	34.859	.89	26.524	.697
350.	11.042	34.809	.81	26.634	.774
400.	9.969	34.742	.70	26.775	.846
450.	9.087	34.692	.59	26.883	.911
500.	8.346	34.652	.53	26.968	.972
550.	7.888	34.632	.52	27.022	1.031
600.	7.411	34.615	.51	27.072	1.087
650.	7.013	34.593	.51	27.117	1.140
700.	6.589	34.575	.54	27.161	1.192
750.	6.263	34.565	.56	27.196	1.242
800.	5.940	34.557	.57	27.231	1.291
850.	5.563	34.555	.58	27.277	1.339
900.	5.235	34.553	.57	27.314	1.382
950.	4.953	34.552	.56	27.343	1.425
1000.	4.689	34.557	.57	27.381	1.467
1015.	4.634	34.558	.55	27.388	

CAST EP2-82-DI-023 DATE 10 APR 82 TIME 1139 GMT
LAT 5 00.1S LONG 095 00.1W

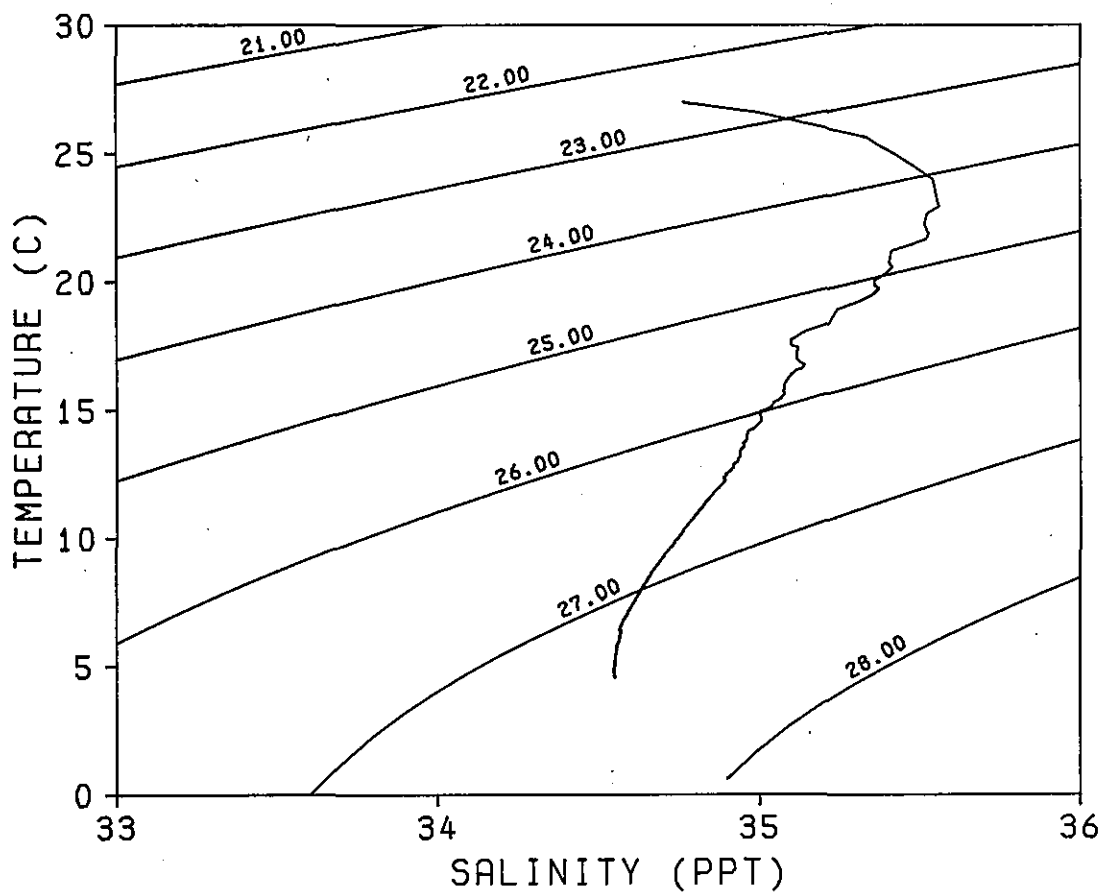


CAST EP2-R2-CI-023 DATE 10 APR 82 TIME 1139 GMT
 LAT 5 00.1S LONG 195 00.1W WEATHER 1 SEA STATE 2
 BAROMETER 10 WIND DTR 150 T SPD 16 KT VISIBILITY 7
 CLOUD 6 AMOUNT 4 DRY 25.7 WET 23.8 DEPTH 3938 M

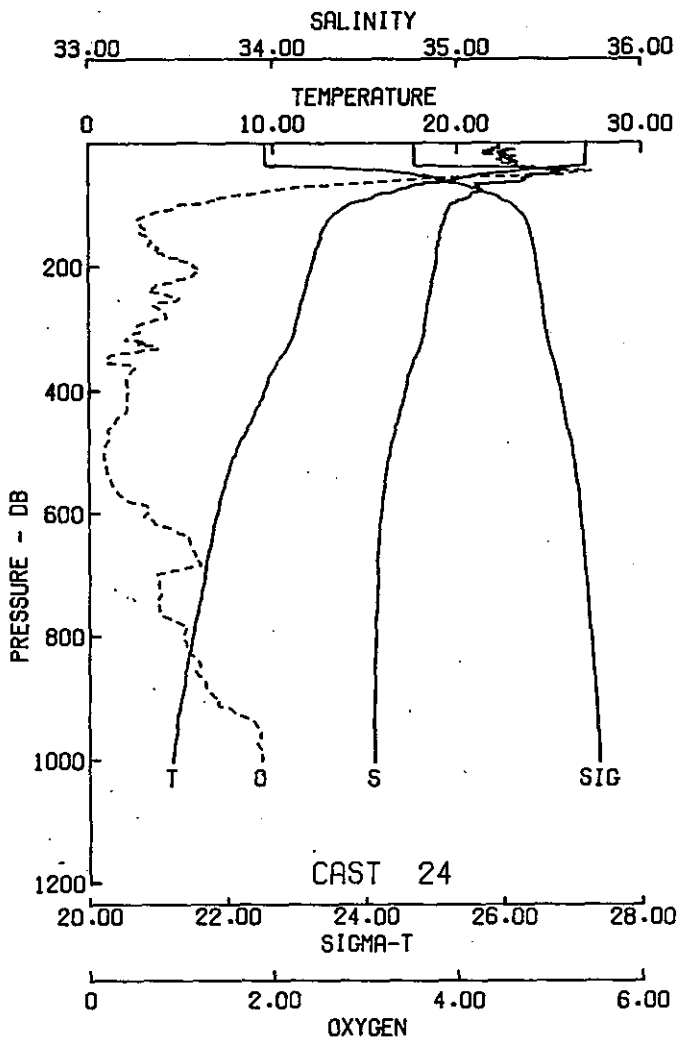


PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-M)
0.	27.085	34.595	4.45	22.405	0.000
10.	27.093	34.595	4.77	22.402	.054
20.	27.089	34.598	4.97	22.405	.109
30.	27.028	34.619	5.60	22.441	.167
40.	22.209	35.151	5.37	24.292	.206
50.	18.495	35.039	2.93	25.519	.249
60.	17.152	35.061	2.22	25.541	.267
70.	16.107	35.070	1.79	25.794	.290
80.	15.325	35.051	1.54	25.956	.312
90.	14.933	35.034	1.49	26.029	.332
100.	14.619	35.011	1.31	26.102	.352
110.	14.169	34.996	1.29	26.165	.371
120.	13.877	34.977	1.25	26.212	.390
130.	13.723	34.971	1.02	26.239	.409
140.	13.544	34.954	.95	26.264	.427
150.	13.309	34.946	.68	26.306	.444
160.	13.178	34.938	.65	26.326	.462
170.	13.032	34.934	.62	26.353	.479
180.	12.866	34.924	.43	26.379	.497
190.	12.667	34.911	.45	26.408	.517
200.	12.512	34.901	.40	26.426	.535
250.	12.151	34.878	.38	26.483	.612
300.	11.758	34.856	.37	26.542	.692
350.	11.058	34.813	.47	26.638	.769
400.	10.291	34.766	.55	26.738	.843
450.	9.111	34.695	.19	26.881	.909
500.	8.422	34.654	.55	26.958	.971
550.	7.811	34.626	.47	27.029	1.028
600.	7.329	34.605	.53	27.082	1.084
650.	6.939	34.594	.65	27.128	1.137
700.	6.497	34.569	1.18	27.168	1.186
750.	6.059	34.554	1.45	27.215	1.233
800.	5.787	34.550	1.51	27.244	1.278
850.	5.525	34.555	1.16	27.282	1.323
900.	5.199	34.553	1.39	27.320	1.375
950.	4.886	34.551	1.59	27.354	1.418
1000.	4.695	34.556	1.52	27.379	1.459
1500.	3.090	34.605	2.16	27.584	1.819
2000.	2.266	34.647	2.55	27.759	2.092
2500.	1.903	34.666	2.91	27.733	2.092
2749.	1.800	34.672	3.20	27.746	2.337

CAST EP2-82-DI-024 DATE 10 APR 82 TIME 1911 GMT
LAT 5 30.4S LONG 095 02.2W

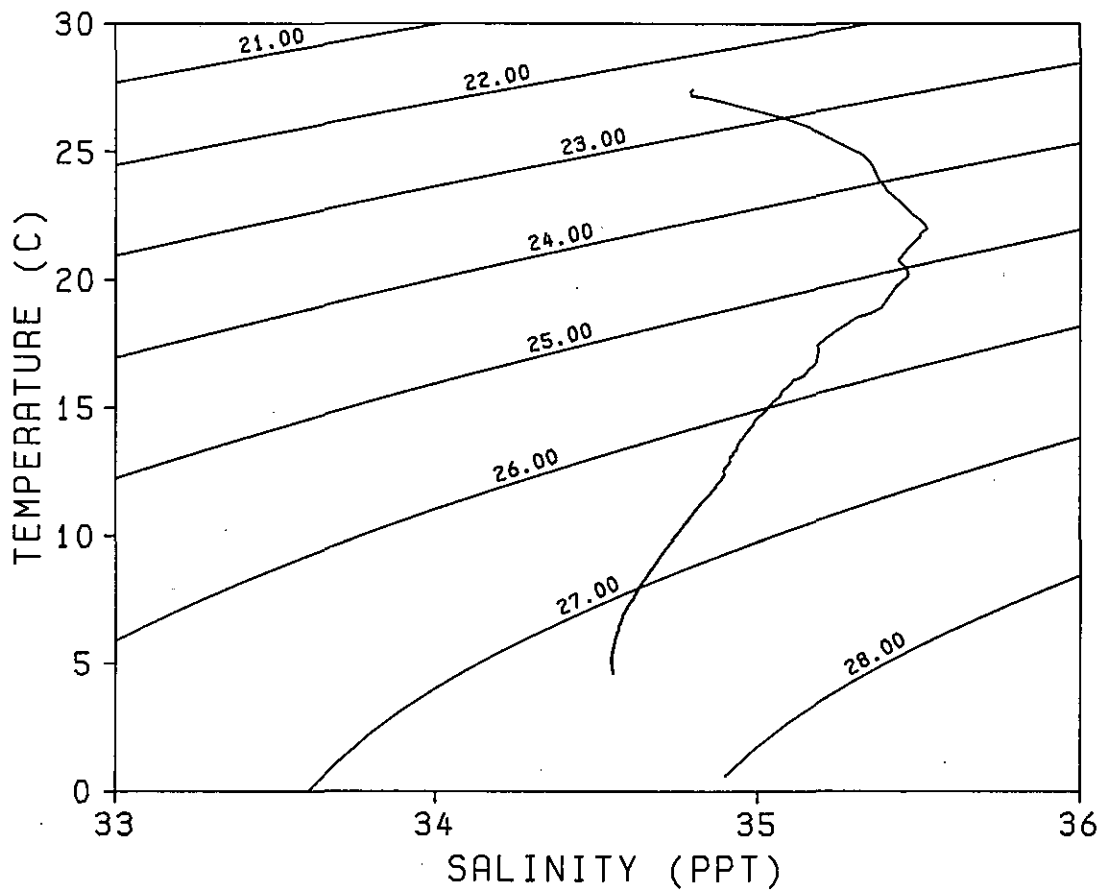


CAST EP2-82-DI-024 DATE 10 APR 82 TIME 1911 GMT
 LAT 5 30.4S LONG 095 02.2W WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 145 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 DRY 26.8 WET 24.0 DEPTH 3762 M

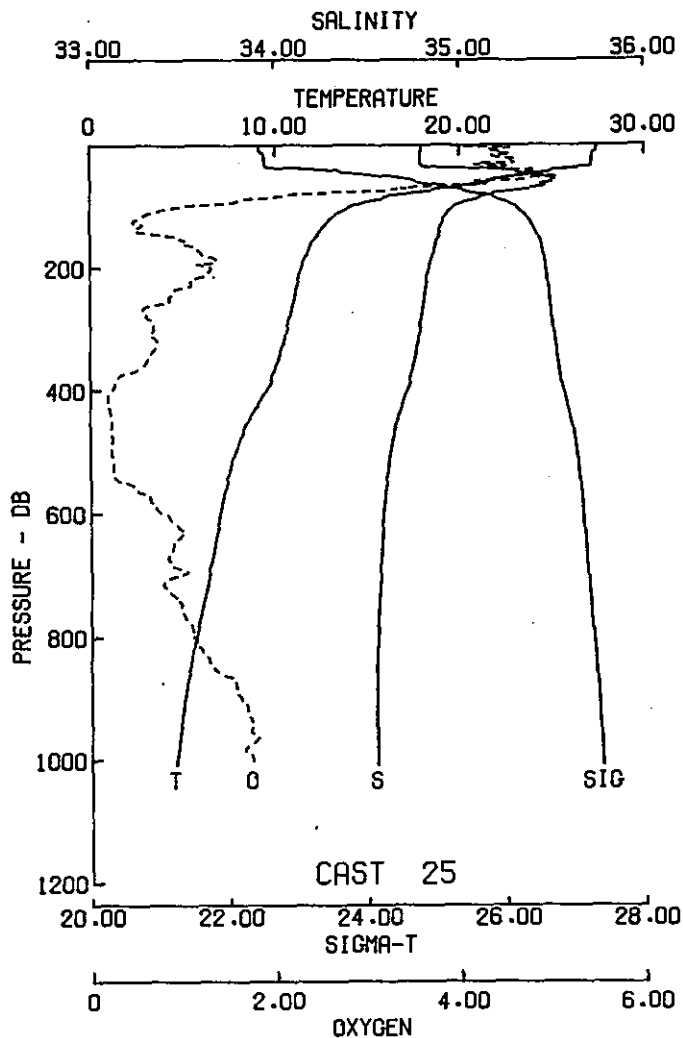


PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.027	34.767	4.46	22.553	0.000
10.	27.005	34.771	4.52	22.562	.053
20.	26.987	34.772	4.51	22.569	.106
30.	26.975	34.771	4.70	22.571	.159
40.	25.637	33.334	4.84	23.417	.211
50.	21.850	33.229	5.24	24.679	.245
60.	19.851	33.599	3.41	25.091	.280
70.	17.494	33.099	2.48	25.488	.307
80.	16.595	33.131	1.89	25.727	.331
90.	15.343	33.055	1.41	25.955	.353
100.	14.174	33.965	1.12	26.140	.373
110.	13.704	33.950	.81	26.228	.392
120.	13.284	33.937	.62	26.304	.410
130.	12.977	33.930	.58	26.361	.427
140.	12.785	33.918	.62	26.390	.444
150.	12.632	33.909	.60	26.414	.461
160.	12.537	33.900	.64	26.425	.477
170.	12.410	33.894	.76	26.445	.494
180.	12.298	33.890	.83	26.464	.510
190.	12.230	33.892	1.00	26.479	.526
200.	12.134	33.886	1.14	26.493	.542
250.	11.643	33.850	.98	26.558	.621
300.	11.214	33.822	.54	26.617	.697
350.	10.365	33.764	.20	26.723	.770
400.	9.535	33.720	.44	26.830	.838
450.	8.856	33.678	.30	26.909	.902
500.	8.029	33.635	.17	27.003	.961
550.	7.411	33.606	.25	27.071	1.017
600.	7.024	33.590	.64	27.113	1.071
650.	6.630	33.572	1.10	27.153	1.122
700.	5.299	33.569	.76	27.194	1.172
750.	5.998	33.564	.76	27.229	1.221
800.	5.631	33.557	1.03	27.270	1.267
850.	5.324	33.553	1.21	27.304	1.312
900.	5.022	33.550	1.38	27.338	1.356
950.	4.769	33.547	1.84	27.364	1.397
1000.	4.567	33.550	1.88	27.389	1.438
1004.	4.557	33.552	1.87	27.391	

CAST EP2-82-DI-025 DATE 10 APR 82 TIME 2231 GMT
LAT 5 59.5S LONG 095 01.4W

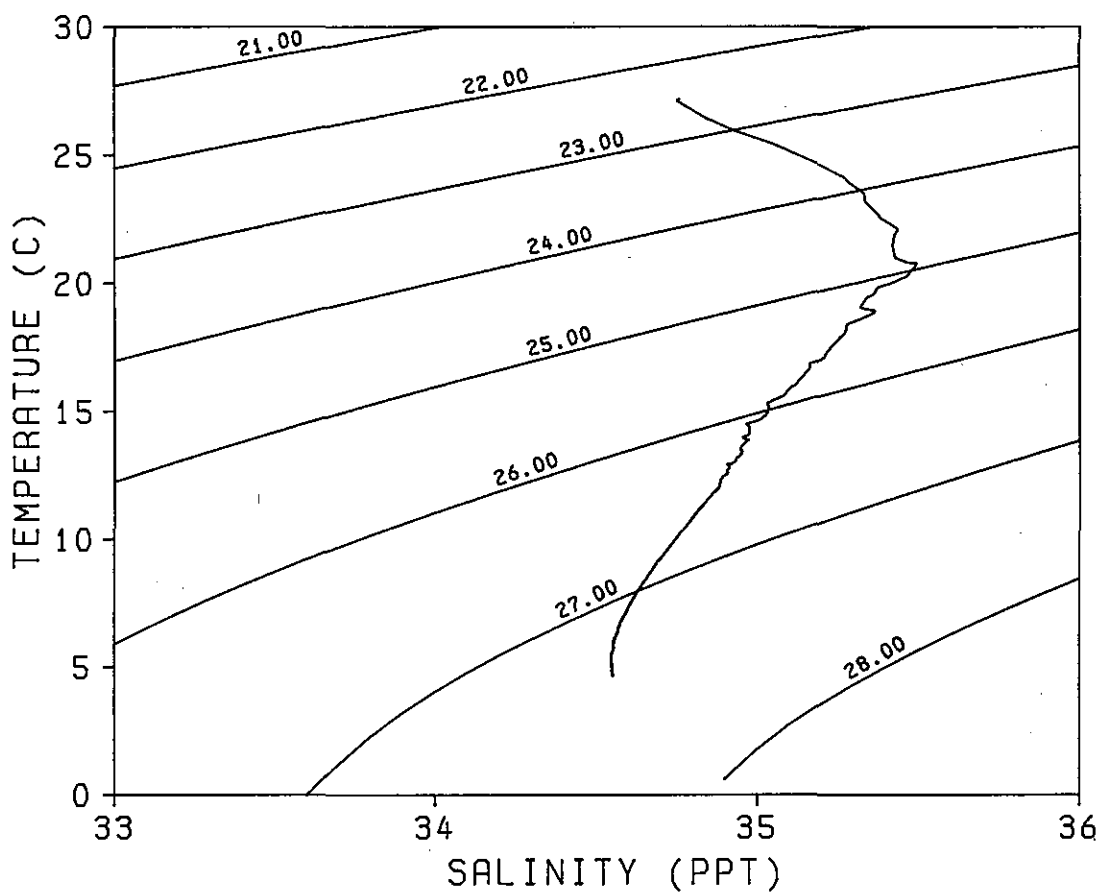


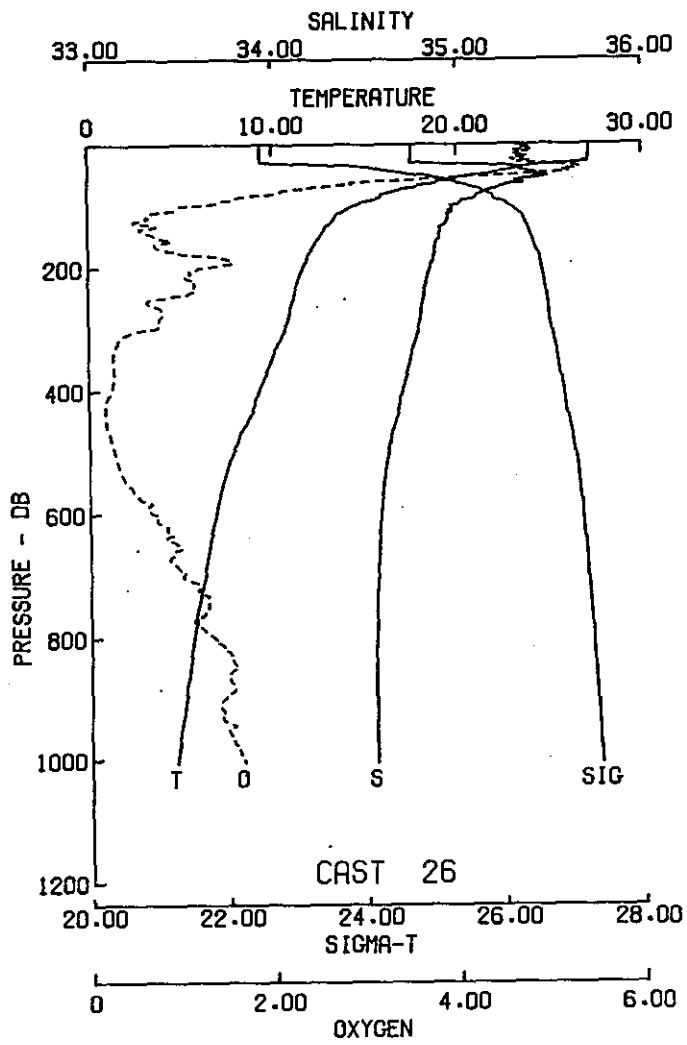
CAST EP2-R2-DJ-225 DATE 10 APR 82 TIME 2231 GMT
 LAT 5 59.5S LONG 095 01.4W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 150 T SPD 14 KT VISIBILITY 7
 CLOUD 3 AMOUNT 6 DRY 26.9 WET 24.2 DEPTH 3848 M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.433	34.795	3.92	22.443	0.000
10.	27.401	34.794	4.38	22.453	.054
20.	27.182	34.791	4.39	22.520	.102
30.	27.165	34.793	4.55	22.527	.161
40.	25.727	35.187	4.58	22.527	.213
50.	23.458	35.400	4.86	24.121	.255
60.	21.663	35.503	4.17	24.711	.289
70.	19.343	35.408	3.37	25.261	.310
80.	17.062	35.185	2.20	25.657	.345
90.	15.349	35.066	1.61	25.951	.367
100.	14.121	34.971	.99	26.157	.387
110.	13.557	34.938	.68	26.249	.405
120.	13.055	34.911	.52	26.330	.423
130.	12.761	34.906	.57	26.386	.440
140.	12.469	34.893	.49	26.433	.456
150.	12.216	34.887	.95	26.478	.473
160.	11.938	34.870	1.00	26.518	.488
170.	11.829	34.863	1.17	26.535	.504
180.	11.715	34.855	1.24	26.548	.519
190.	11.536	34.843	1.36	26.573	.535
200.	11.450	34.837	1.31	26.584	.550
250.	11.068	34.810	.85	26.533	.624
300.	10.656	34.786	.69	26.689	.697
350.	10.178	34.757	.63	26.750	.767
400.	9.525	34.714	.23	26.827	.834
450.	8.524	34.662	.24	26.943	.897
500.	7.844	34.624	.23	27.022	.955
550.	7.364	34.601	.41	27.074	1.016
600.	6.985	34.583	.77	27.113	1.064
650.	6.694	34.575	.90	27.146	1.111
700.	6.382	34.568	.96	27.183	1.166
750.	6.037	34.558	.97	27.220	1.215
800.	5.684	34.551	1.11	27.259	1.262
850.	5.322	34.546	1.33	27.309	1.307
900.	5.022	34.545	1.63	27.332	1.351
950.	4.714	34.547	1.72	27.359	1.390
1000.	4.415	34.550	1.75	27.384	1.434
1008.	4.581	34.551	1.75	27.388	

CAST EP2-82-DI-026 DATE 11 APR 82 TIME 0559 GMT
LAT 6 31.3S LONG 094 59.5W



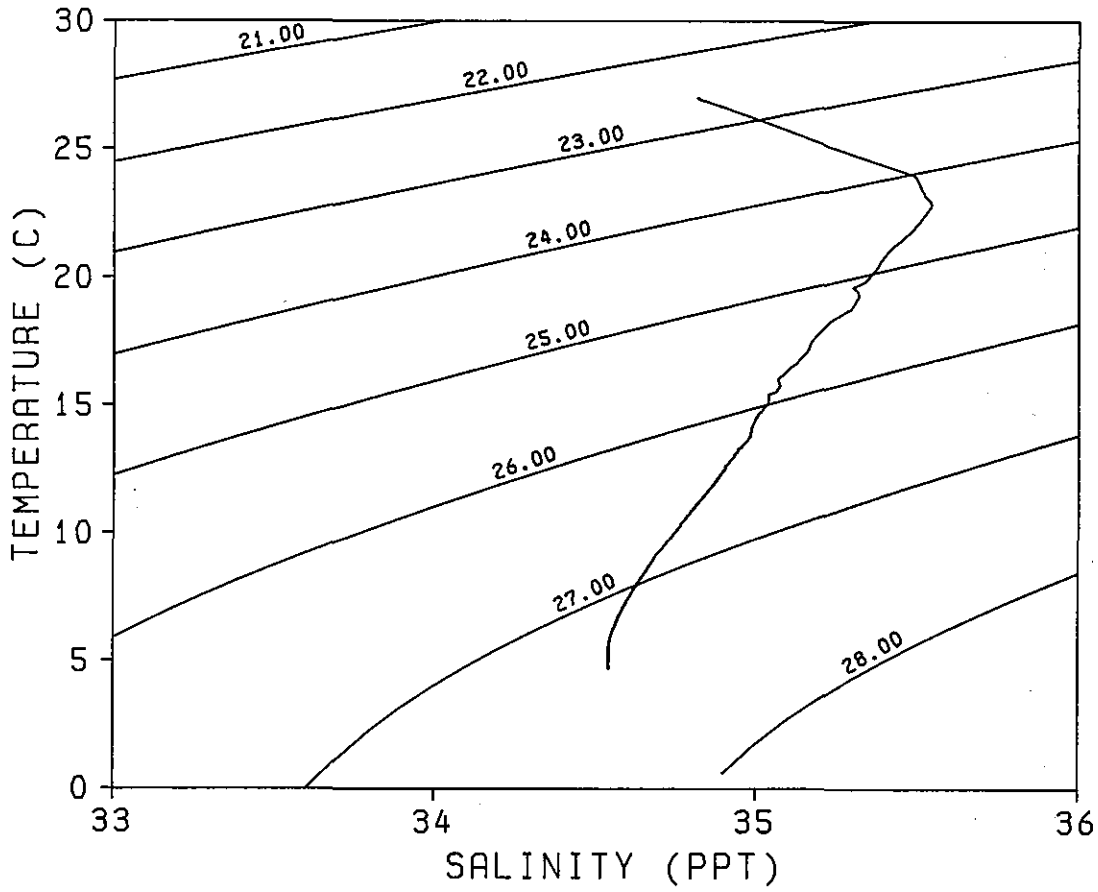


CAST EP2-82-DI-026 DATE 11 APR 82 TIME 0559 GMT
 LAT 6 31.3S LONG 094 59.5W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 155 T SPD 19 KT VISIBILITY 7
 CLOUD 3 AMOUNT 7 DRY 26.7 WET 24.1 DEPTH 3919 M

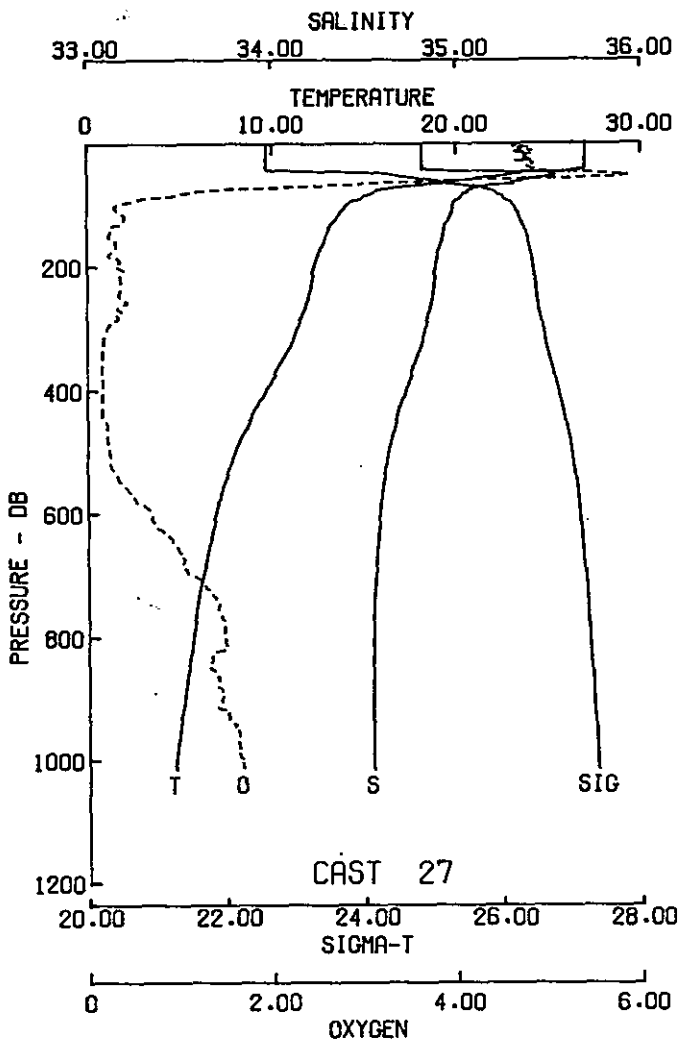
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.171	34.758	4.65	22.500	0.000
10	27.175	34.758	4.71	22.498	.054
20	27.154	34.759	4.79	22.506	.107
30	27.097	34.752	4.68	22.519	.161
40	23.159	35.331	5.24	24.157	.204
50	20.562	35.425	4.67	24.645	.239
60	18.966	35.339	3.06	25.365	.268
70	17.574	35.233	2.43	25.571	.294
80	16.210	35.131	2.02	25.816	.317
90	15.577	35.082	1.59	25.923	.338
100	14.466	34.966	1.02	26.078	.359
110	13.851	34.974	.72	26.216	.378
120	13.391	34.951	.66	26.293	.396
130	13.104	34.933	.68	26.337	.413
140	12.813	34.913	.59	26.381	.430
150	12.592	34.906	.74	26.419	.447
160	12.364	34.889	.79	26.451	.463
170	12.167	34.884	.81	26.485	.480
180	11.940	34.874	1.23	26.521	.497
190	11.848	34.870	1.56	26.535	.511
200	11.674	34.855	1.22	26.556	.526
250	11.128	34.816	1.75	26.628	.601
300	10.611	34.786	.69	26.697	.674
350	9.930	34.744	.27	26.783	.740
400	9.246	34.702	.24	26.864	.800
450	8.577	34.662	.18	26.940	.871
500	7.816	34.623	.27	27.025	.929
550	7.247	34.597	.43	27.087	.984
600	6.839	34.580	.69	27.130	1.037
650	6.477	34.567	.96	27.170	1.088
700	6.206	34.562	1.01	27.201	1.135
750	5.850	34.553	1.28	27.240	1.185
800	5.570	34.550	1.35	27.272	1.231
850	5.338	34.547	1.58	27.298	1.276
900	5.117	34.549	1.45	27.326	1.320
950	4.871	34.550	1.50	27.355	1.362
1000	4.660	34.552	1.57	27.380	1.403
1050	4.632	34.552	1.66	27.383	

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CAST EP2-82-DI-027 DATE 11 APR 82 TIME 1351 GMT
LAT 7 01.2S LONG 095 01.0W

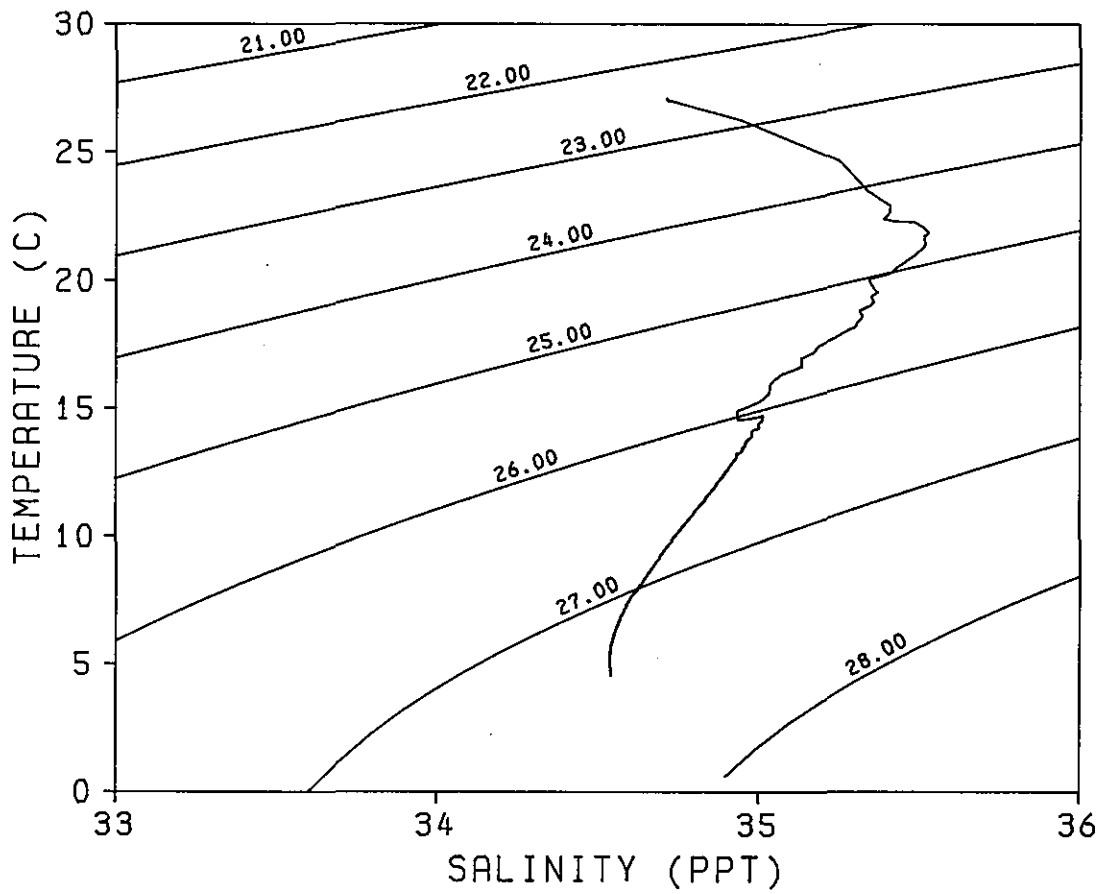


CAST EP2-R2-DI-C27 DATE 11 APR 82 TIME 1351 GMT
 LAT 7 01.2S LONG 095 01.0W WFATHER 1 SEA STATE 4
 BAROMETER 15 WIND DIR 140 T SPD 19 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 DRY 26.9 WET 24.1 DEPTH 3920 M

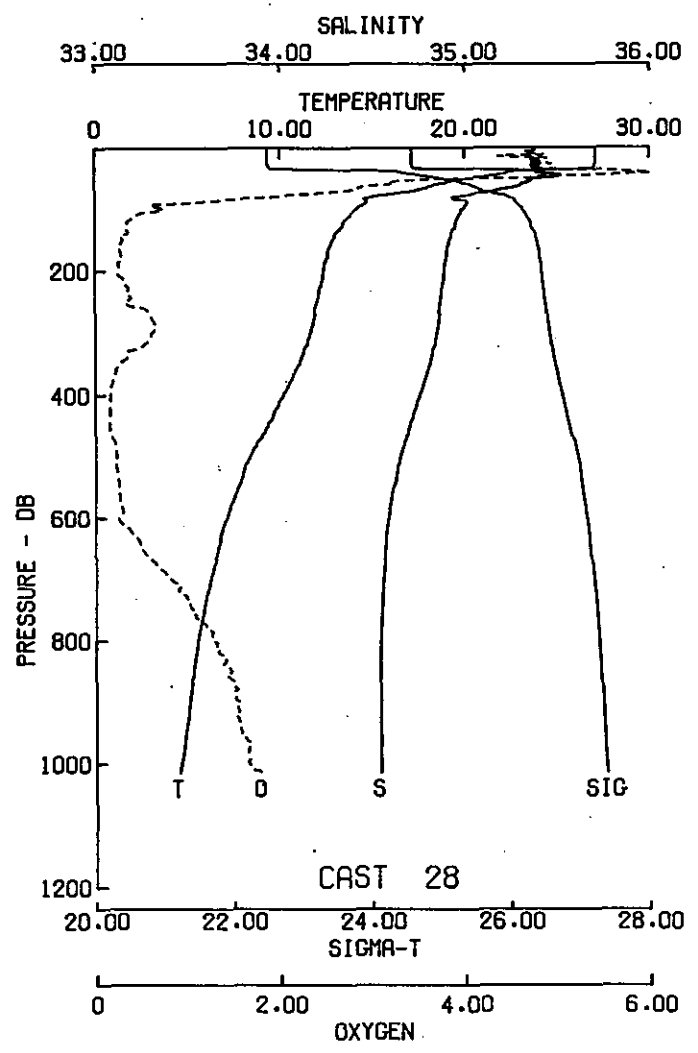


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.004	34.819	4.66	22.599	0.000
10.	27.004	34.818	4.67	22.598	0.053
20.	27.006	34.819	4.73	22.598	0.117
30.	27.012	34.820	4.66	22.597	0.158
40.	27.012	34.821	4.80	22.598	0.211
50.	23.154	34.824	5.66	24.304	0.258
60.	20.667	34.835	4.13	24.896	0.292
70.	17.457	34.868	2.46	25.550	0.327
80.	15.575	34.902	1.13	25.909	0.342
90.	14.915	34.922	0.92	26.025	0.357
100.	14.139	34.986	0.32	26.164	0.382
110.	13.893	34.981	0.36	26.212	0.401
120.	13.633	34.973	0.42	26.260	0.419
130.	13.352	34.953	0.38	26.303	0.437
140.	13.123	34.939	0.25	26.338	0.455
150.	12.963	34.929	0.24	26.363	0.472
160.	12.865	34.923	0.22	26.378	0.489
170.	12.708	34.913	0.22	26.401	0.506
180.	12.552	34.903	0.25	26.425	0.523
190.	12.443	34.899	0.36	26.443	0.540
200.	12.340	34.892	0.32	26.457	0.558
250.	12.014	34.873	0.38	26.505	0.575
300.	11.396	34.834	0.21	26.592	0.714
350.	10.619	34.785	0.17	26.695	0.789
400.	9.685	34.728	0.17	26.812	0.858
450.	8.807	34.676	0.20	26.915	0.922
500.	8.025	34.634	0.24	27.003	0.981
550.	7.433	34.586	0.36	27.068	1.038
600.	6.969	34.536	0.70	27.118	1.091
650.	6.617	34.572	0.95	27.154	1.143
700.	6.213	34.559	1.09	27.197	1.192
750.	5.824	34.551	1.42	27.220	1.241
800.	5.709	34.547	1.48	27.253	1.288
850.	5.430	34.545	1.31	27.285	1.333
900.	5.215	34.544	1.44	27.311	1.378
950.	4.936	34.543	1.50	27.343	1.421
1000.	4.741	34.546	1.54	27.366	1.463
1016.	4.696	34.547	1.68	27.372	

CAST EP2-82-DI-028 DATE 12 APR 82 TIME 0101 GMT
LAT 7 28.9S LONG 095 02.3W



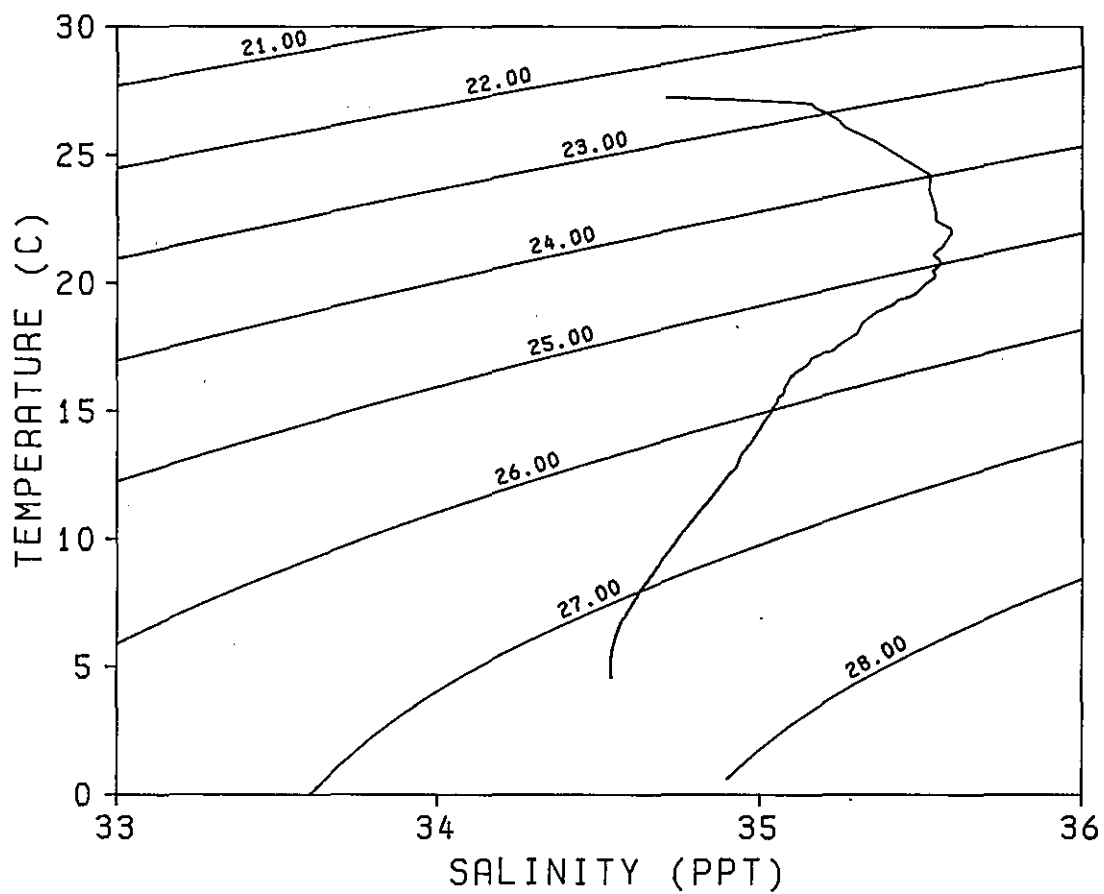
CAST EP2-P2-DI-028 DATE 12 APR 82 TIME 0101 GMT
 LAT 7 28.9S LONG 095 02.3W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 125 T SPD 17 KT VISIBILITY 7
 CLOUD 3 AMOUNT 2 DRY 26.8 WET 22.8 DEPTH 4763 M



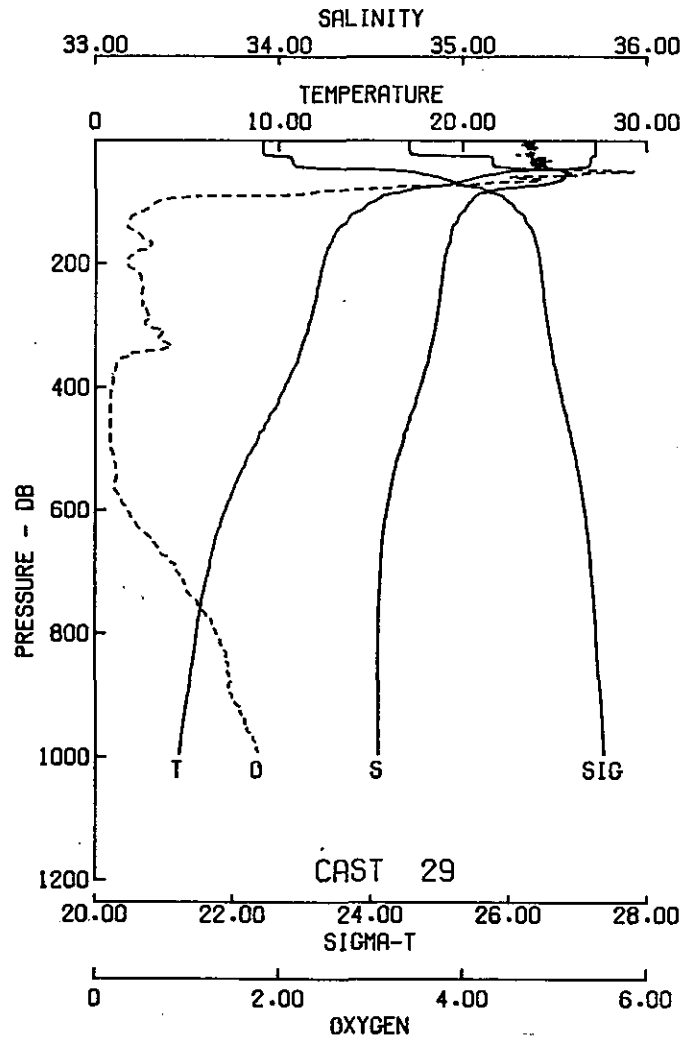
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-R (OYN-M)
0.	27.085	34.716	4.75	22.496	0.000
10.	27.081	34.715	4.70	22.496	.054
20.	27.091	34.715	4.68	22.493	.107
30.	27.016	34.719	4.74	22.520	.161
40.	22.593	35.402	5.86	24.373	.200
50.	20.474	35.425	4.75	24.976	.242
60.	18.566	35.320	3.21	25.393	.278
70.	17.439	35.183	2.74	25.568	.295
80.	15.108	34.976	1.98	25.947	.312
90.	14.683	35.015	1.01	26.070	.332
100.	14.176	34.995	.73	26.163	.357
110.	13.835	34.972	.46	26.217	.376
120.	13.496	34.955	.36	26.274	.394
130.	13.371	34.949	.35	26.295	.412
140.	13.012	34.927	.35	26.351	.429
150.	12.883	34.922	.31	26.373	.447
160.	12.740	34.912	.25	26.394	.463
170.	12.617	34.905	.28	26.413	.480
180.	12.573	34.903	.29	26.420	.497
190.	12.436	34.894	.25	26.440	.513
200.	12.383	34.891	.26	26.448	.530
250.	12.043	34.870	.34	26.498	.611
300.	11.646	34.848	.62	26.556	.690
350.	11.073	34.813	.28	26.635	.767
400.	10.196	34.757	.17	26.747	.839
450.	9.362	34.704	.17	26.847	.906
500.	8.565	34.649	.23	26.963	.966
550.	7.738	34.613	.26	27.029	1.027
600.	7.126	34.587	.25	27.096	1.082
650.	6.759	34.569	.51	27.147	1.134
700.	6.203	34.555	.81	27.196	1.184
750.	5.839	34.549	1.05	27.238	1.233
800.	5.516	34.542	1.27	27.273	1.278
850.	5.299	34.542	1.48	27.299	1.322
900.	5.045	34.540	1.55	27.327	1.366
950.	4.856	34.543	1.57	27.351	1.409
1000.	4.619	34.546	1.66	27.380	1.450
1015.	4.537	34.545	1.80	27.388	

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CAST EP2-82-DI-029 DATE 12 APR 82 TIME 0428 GMT
LAT 8 00.8S LONG 095 00.5W

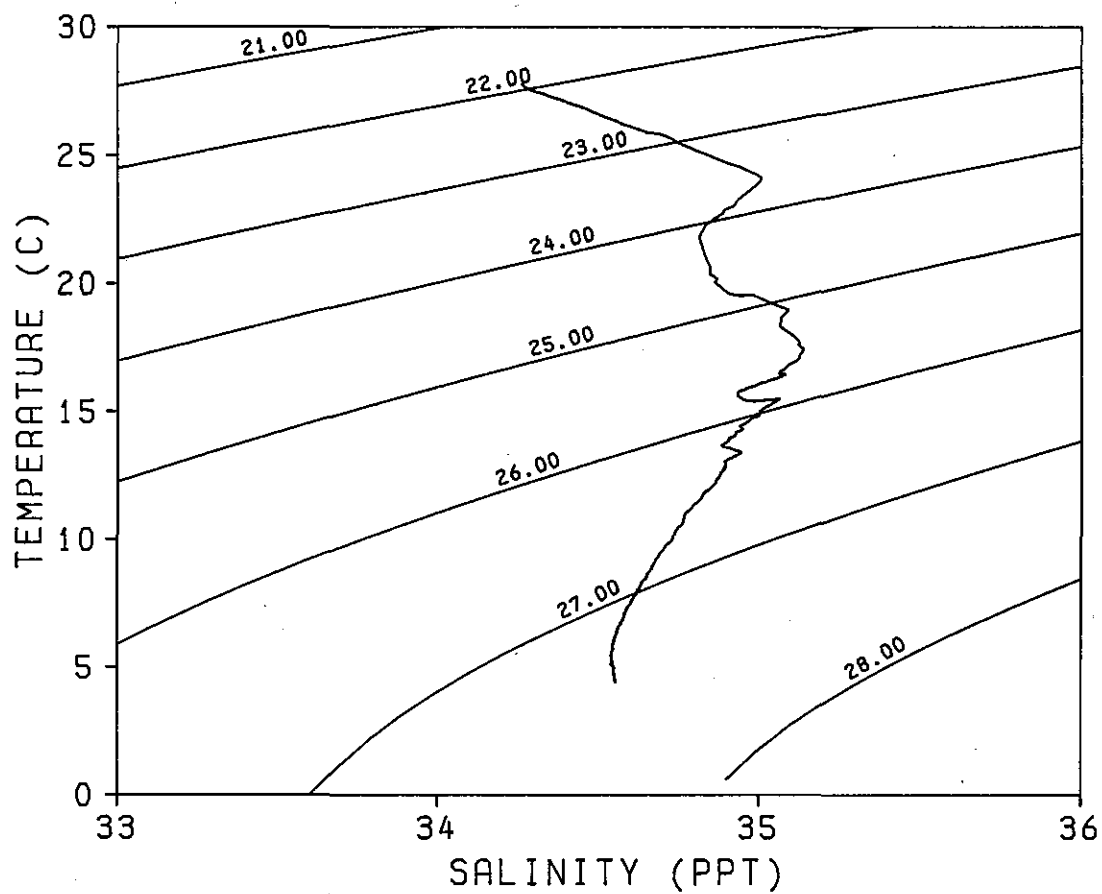


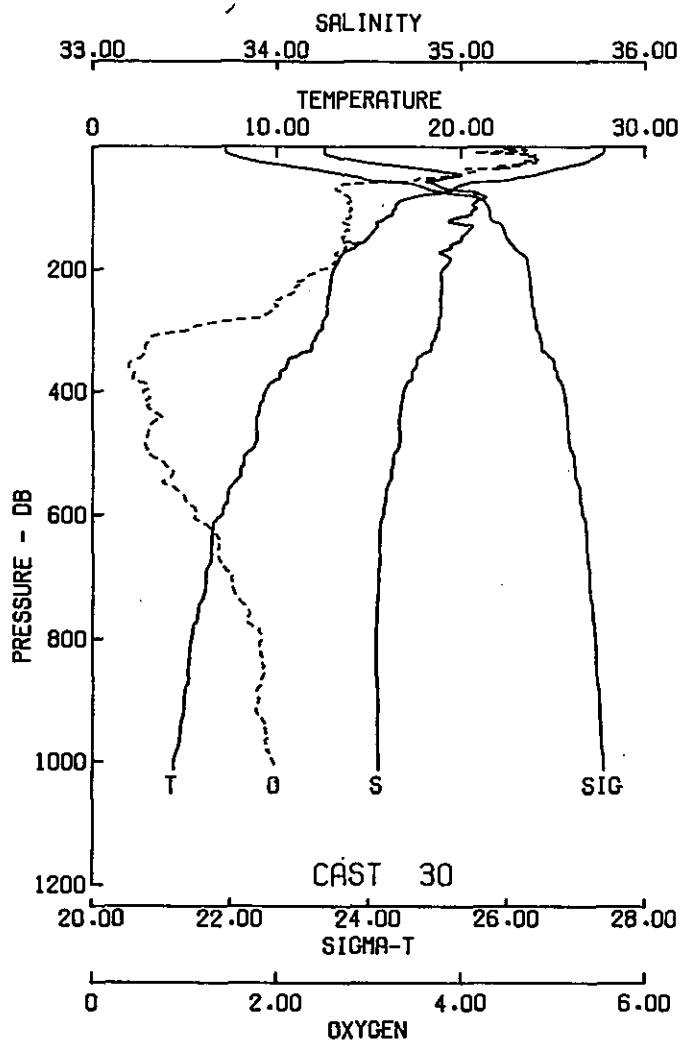
CAST EP2-R2-DI-029 DATE 12 APR 82 TIME 0428 GMT
 LAT 8 CO.2S LONG 095 00.5W WEATHER R SEA STATF 4
 BAROMETER 14 WIND DTR 140 T SPD 20 KT VISIBILITY 7
 CLOUD 9 AMOUNT 7 DRY 26.2 WET 23.8 DEPTH 3848 M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.227	34.711	4.66	22.446	0.000
10	27.232	34.710	4.69	22.444	.054
20	27.230	34.718	4.73	22.451	.108
30	26.978	35.164	4.74	22.866	.160
40	26.880	35.169	4.76	22.900	.210
50	22.412	35.545	5.86	24.532	.255
60	20.789	35.560	4.53	24.995	.287
70	19.521	35.477	4.24	25.267	.315
80	17.173	35.183	2.82	25.630	.341
90	15.608	35.068	1.77	25.906	.364
100	15.131	35.038	.68	25.990	.385
110	14.615	35.014	.59	26.084	.405
120	13.565	34.983	.46	26.198	.424
130	13.707	34.969	.37	26.241	.442
140	13.327	34.942	.36	26.399	.460
150	13.026	34.934	.46	26.454	.478
160	12.873	34.929	.52	26.381	.495
170	12.736	34.921	.61	26.402	.512
180	12.577	34.908	.47	26.424	.528
190	12.453	34.900	.37	26.441	.545
200	12.387	34.895	.35	26.451	.561
250	12.036	34.874	.51	26.503	.642
300	11.596	34.848	.56	26.565	.721
350	11.055	34.813	.35	26.638	.797
400	10.307	34.767	.19	26.735	.870
450	9.429	34.710	.17	26.841	.938
500	8.555	34.661	.18	26.943	1.001
550	7.731	34.616	.23	27.032	1.060
600	7.085	34.585	.36	27.101	1.114
650	6.522	34.562	.61	27.156	1.166
700	6.163	34.551	.89	27.198	1.216
750	5.793	34.544	1.12	27.239	1.264
800	5.524	34.540	1.33	27.270	1.310
850	5.313	34.539	1.46	27.294	1.355
900	5.006	34.538	1.48	27.330	1.398
950	4.753	34.538	1.67	27.359	1.441
995	4.570	34.540	1.77	27.381	

CAST EP2-82-DI-030 DATE 15 APR 82 TIME 0244 GMT
LAT 0 01.0S LONG 108 01.2W

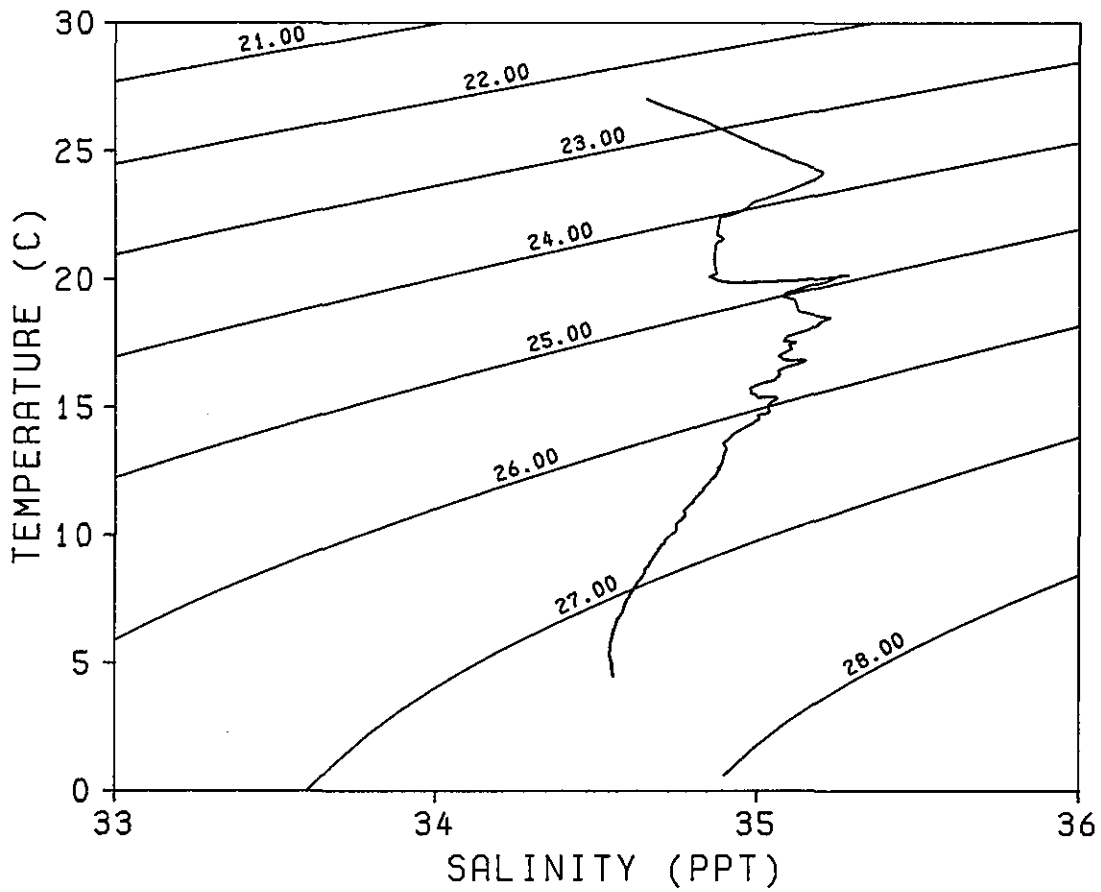




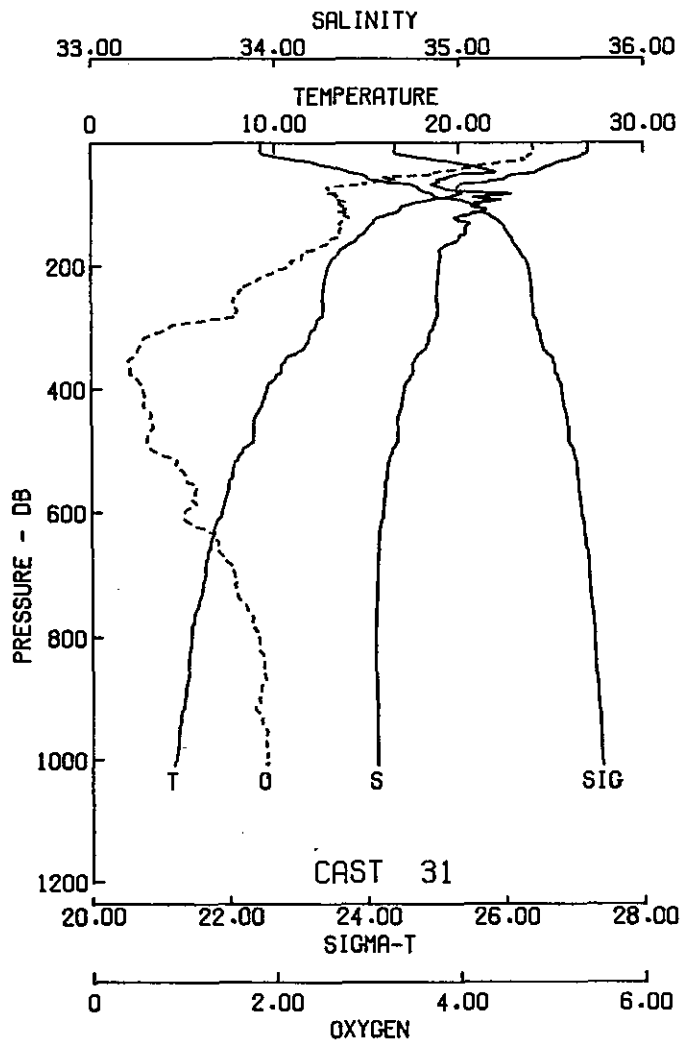
CAST EP7-82-DI-030 DATE 15 APR 82 TIME 0244 GMT
 LAT 0 31.05 LONG 108 01.2W WEATHER 5 SEA STATE 2
 BAROMETER 99 WIND DIR 085 T SPD 05 KT VISIBILITY 6
 CLOUD 5 AMOUNT 5 DRY 24.5 WET 24.0 DEPTH 3697 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.780	34.260	4.52	21.929	0.000
10.	27.773	34.260	4.15	21.932	.059
20.	27.261	34.351	4.81	22.165	.117
30.	26.197	34.573	4.68	22.669	.172
40.	24.761	34.885	4.12	23.345	.220
50.	23.230	34.931	3.78	23.833	.264
60.	20.325	34.845	3.94	24.575	.302
70.	19.497	34.939	2.64	24.864	.334
80.	17.799	34.5118	2.73	25.429	.363
90.	16.666	34.5082	2.80	25.673	.388
100.	16.415	34.5082	2.80	25.731	.411
110.	16.263	34.5055	2.80	25.747	.434
120.	15.772	34.943	2.73	25.772	.457
130.	15.478	34.5065	2.77	25.933	.479
140.	15.199	34.5031	2.73	25.969	.500
150.	14.936	34.5001	2.73	26.004	.520
160.	14.455	34.948	2.81	26.067	.541
170.	13.906	34.902	2.69	26.149	.560
180.	13.424	34.935	2.66	26.274	.579
190.	13.281	34.930	2.60	26.299	.597
200.	13.112	34.902	2.51	26.312	.615
250.	12.781	34.889	2.05	26.368	.702
300.	12.419	34.872	1.05	26.426	.788
350.	10.618	34.760	.45	26.475	.868
400.	9.392	34.689	.55	26.530	.937
450.	8.522	34.666	.67	26.589	1.001
500.	8.394	34.640	.60	26.651	1.064
550.	7.644	34.607	.78	27.038	1.122
600.	7.016	34.580	1.14	27.106	1.177
650.	6.473	34.560	1.38	27.164	1.228
700.	6.126	34.550	1.51	27.202	1.277
750.	5.742	34.544	1.69	27.246	1.325
800.	5.368	34.541	1.84	27.289	1.371
850.	5.212	34.541	1.85	27.307	1.415
900.	4.963	34.547	1.81	27.342	1.458
950.	4.758	34.548	1.88	27.366	1.499
1000.	4.404	34.553	1.95	27.409	1.540
1014.	4.398	34.553	1.99	27.410	

CAST EP2-82-DI-031 DATE 15 APR 82 TIME 1026 GMT
LAT 0 01.2S LONG 109 29.0W

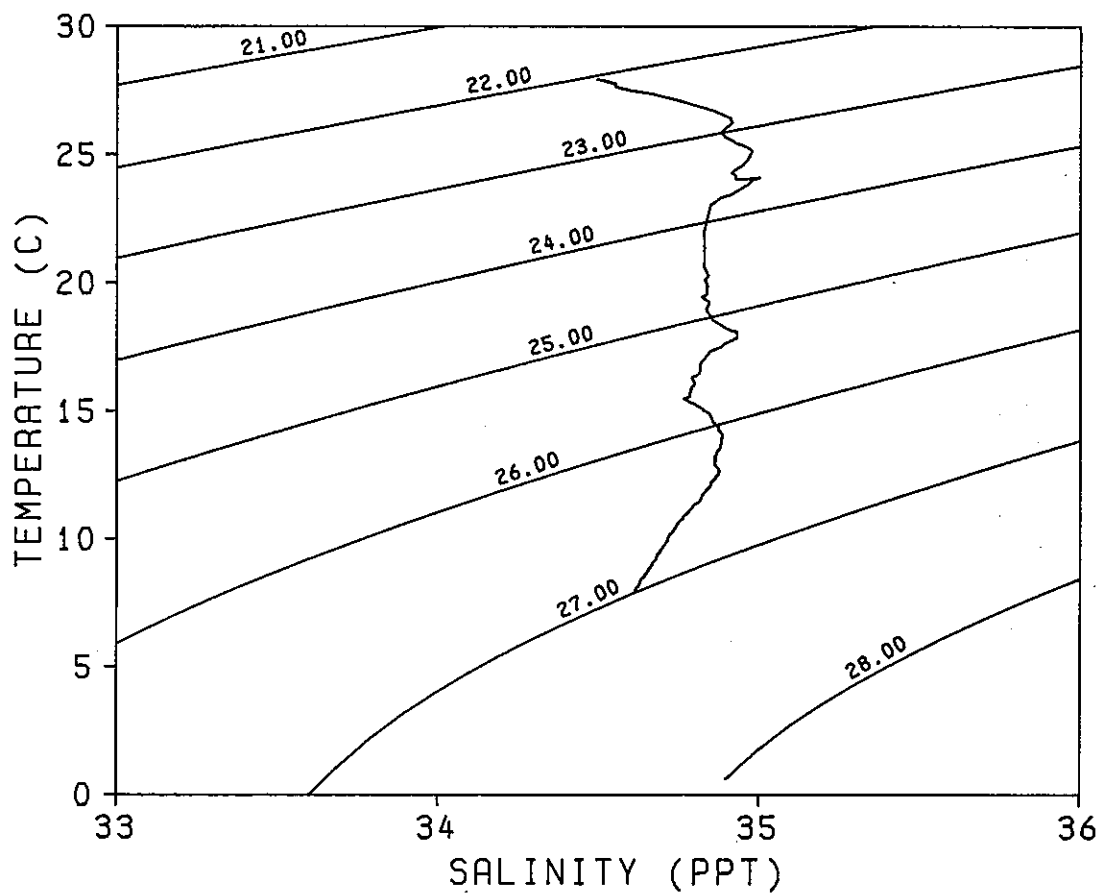


CAST EP2-R2-DI-031 DATE 15 APR 82 TIME 1026 GMT
 LAT 01.2S LONG 109 29.0W WEATHER 1 SEA STATE 2
 BAROMETER 28 WIND DIR 000 T SPD 00 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 PRY 26.2 NET 24.2 DEPTH 3770 M

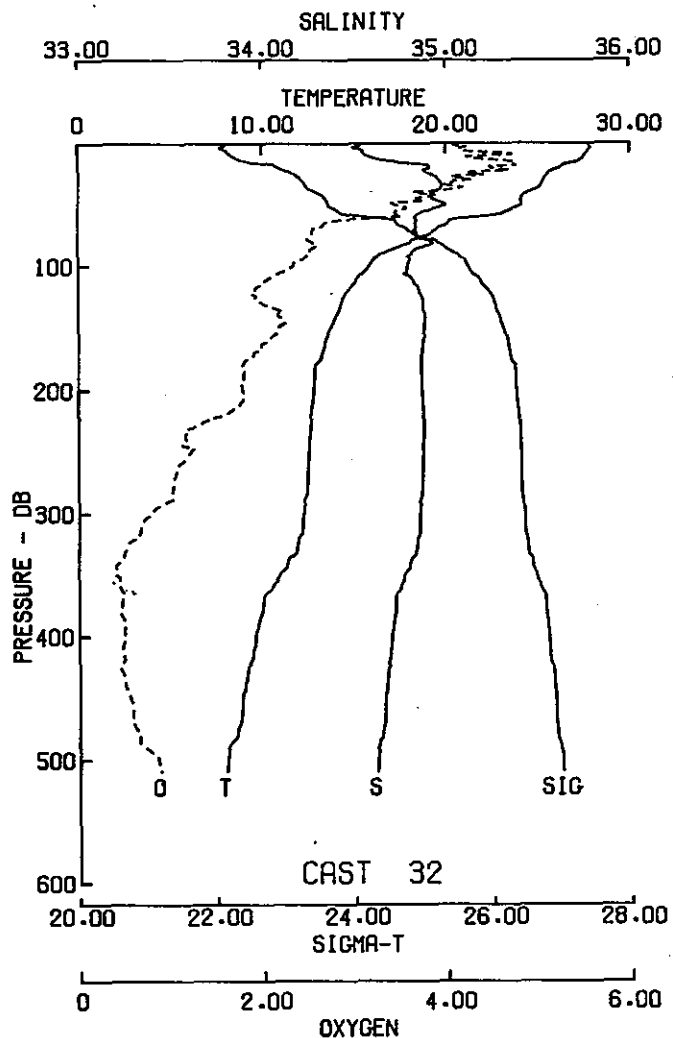


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-P (DYN-M)
0	27.015	34.658	4.80	22.474	0.000
10	27.015	34.655	4.81	22.472	.754
20	26.853	34.685	4.76	22.546	.108
30	26.610	34.731	4.64	23.121	.156
40	26.587	34.699	4.18	23.529	.204
50	26.798	34.677	3.69	23.846	.246
60	26.387	34.882	3.21	24.037	.286
70	19.970	34.869	2.77	24.687	.322
80	19.900	34.840	2.66	24.836	.354
90	19.174	34.811	2.55	25.083	.384
100	17.420	34.897	2.70	25.505	.411
110	16.772	34.846	2.76	25.697	.435
120	15.912	34.813	2.78	25.794	.458
130	15.399	34.849	2.73	25.938	.479
140	15.049	34.833	2.72	26.084	.500
150	14.774	34.835	2.67	26.066	.520
160	14.421	34.991	2.60	26.107	.540
170	14.882	34.918	2.48	26.166	.558
180	13.492	34.897	2.39	26.230	.578
190	13.125	34.896	2.27	26.304	.596
200	12.947	34.892	2.17	26.337	.614
250	12.627	34.873	1.58	26.387	.700
300	12.173	34.853	.83	26.459	.785
350	11.582	34.764	.44	26.485	.864
400	11.573	34.701	.58	26.510	.933
450	11.885	34.666	.64	26.594	.998
500	11.217	34.533	.67	26.973	1.060
550	7.481	34.598	1.04	27.054	1.117
600	7.100	34.585	1.01	27.099	1.172
650	6.487	34.561	1.11	27.163	1.223
700	5.155	34.535	1.11	27.200	1.277
750	5.785	34.545	1.11	27.241	1.320
800	5.427	34.542	1.11	27.283	1.366
850	5.266	34.542	1.11	27.303	1.410
900	5.231	34.547	1.11	27.334	1.454
950	4.717	34.550	1.11	27.372	1.495
1000	4.573	34.552	1.11	27.398	1.536
1019	4.461	34.554	1.90	27.404	

CAST EP2-82-DI-032 DATE 16 APR 82 TIME 0231 GMT
LAT 00 31.8N LONG 109 55.5W

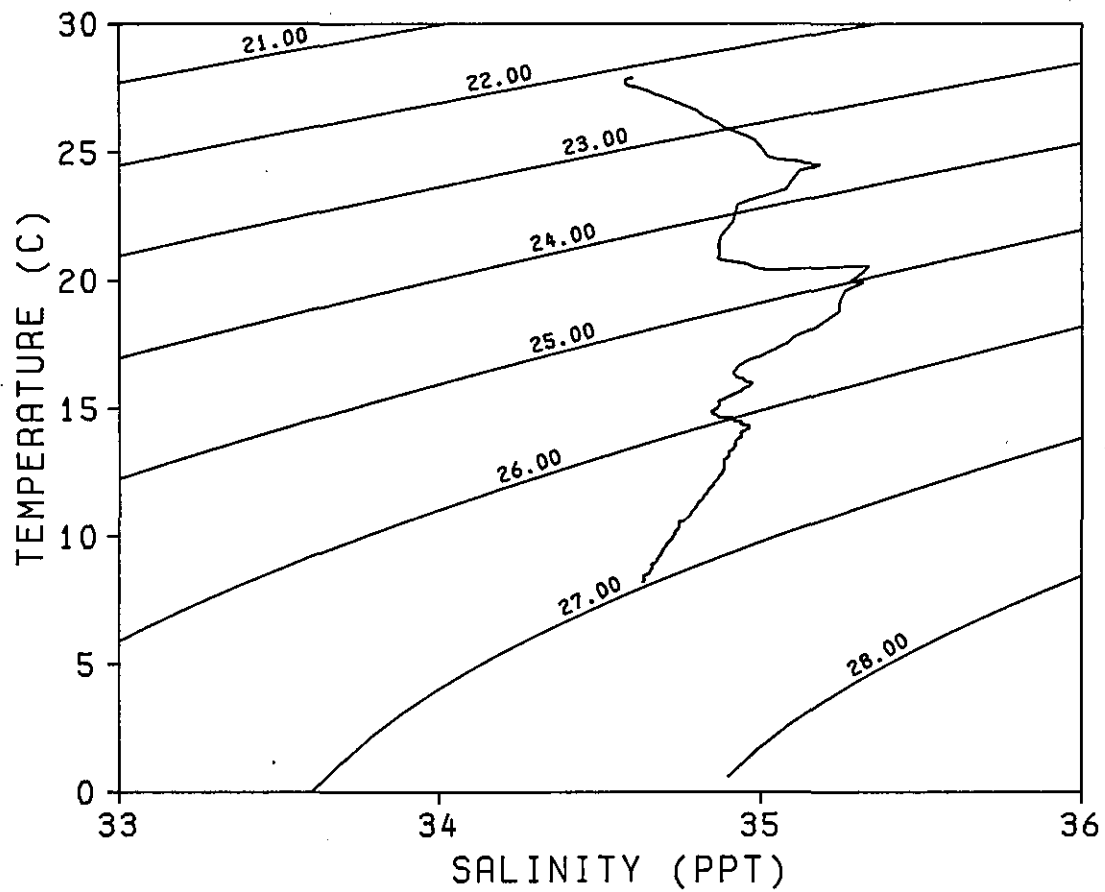


CAST EF2-P2-DI-332 DATE 16 APR 82 TIME 0231 GMT
 LAT 00 31.8N LONG 109 55.5W WEATHER 1 SEA STATE 1
 BAROMETER 85 WIND DIR 140 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 27.0 WET 25.0 DEPTH 3765 M

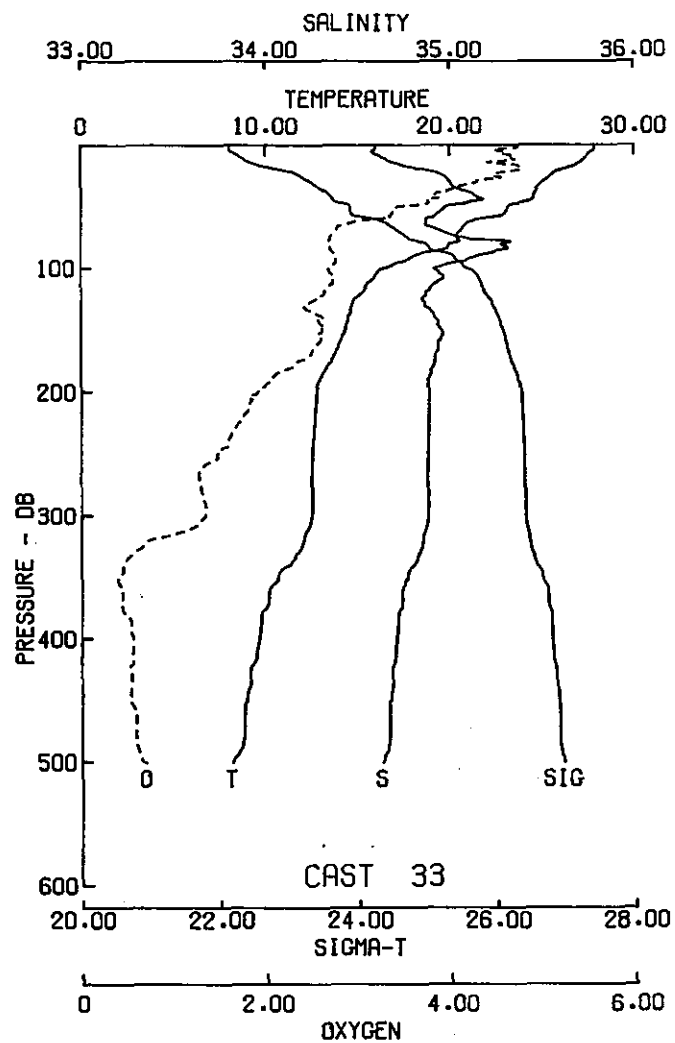


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.804	34.539	4.08	22.131	0.600
10.	27.565	34.572	4.49	22.233	.057
20.	26.239	34.916	4.47	22.914	.118
30.	25.309	34.955	4.27	23.232	.158
40.	24.545	34.944	3.65	23.456	.204
50.	24.097	34.997	3.43	23.629	.247
60.	22.832	34.830	3.52	24.097	.285
70.	19.541	34.840	2.55	24.777	.324
80.	18.893	34.915	2.51	25.201	.354
90.	16.648	34.818	2.52	25.475	.380
100.	15.812	34.792	2.34	25.647	.405
110.	15.157	34.810	2.07	25.808	.428
120.	14.689	34.855	1.92	25.945	.448
130.	14.312	34.875	1.99	26.042	.470
140.	14.060	34.887	2.17	26.105	.490
150.	13.754	34.885	2.19	26.167	.508
160.	13.432	34.871	2.09	26.223	.522
170.	13.254	34.866	1.91	26.255	.534
180.	12.867	34.863	1.79	26.331	.545
190.	12.837	34.866	1.80	26.339	.552
200.	12.798	34.868	1.79	26.340	.558
250.	12.513	34.872	1.22	26.408	.568
300.	12.186	34.851	.79	26.456	.576
350.	10.911	34.769	.41	26.630	.584
400.	9.575	34.597	.50	26.806	.591
450.	8.828	34.660	.55	26.899	.598
500.	8.018	34.619	.85	26.992	1.044
510.	7.955	34.615	.88	26.998	

CAST EP2-82-DI-033 DATE 16 APR 82 TIME 0517 GMT
LAT 00 15.4N LONG 109 54.7W

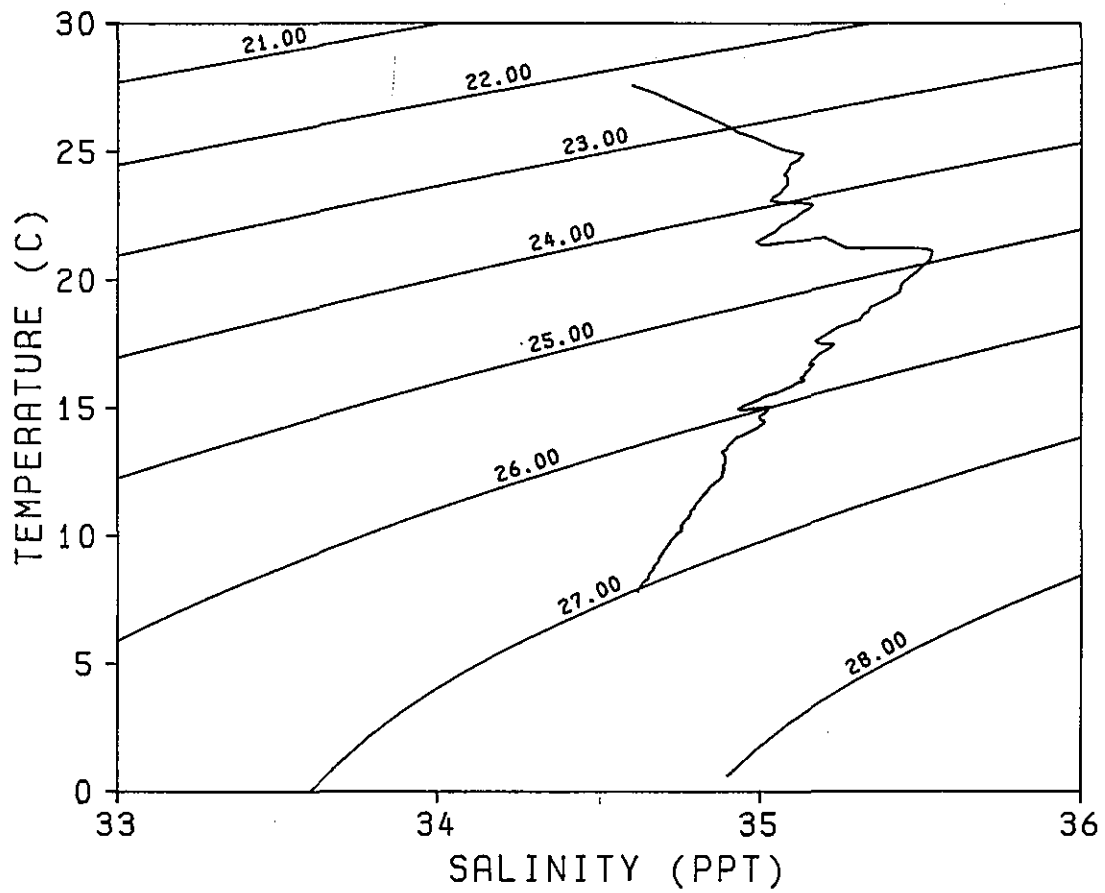


CAST FP2-82-DI-033 DATE 16 APR 82 TIME 0517 GMT
 LAT 09 15.4N LONG 109 54.7W WEATHER 1 SEA STATE 1
 BAROMETER 09 WIND DIR 170 T SPD 08 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 26.2 WET 24.5 DEPTH 3821 M

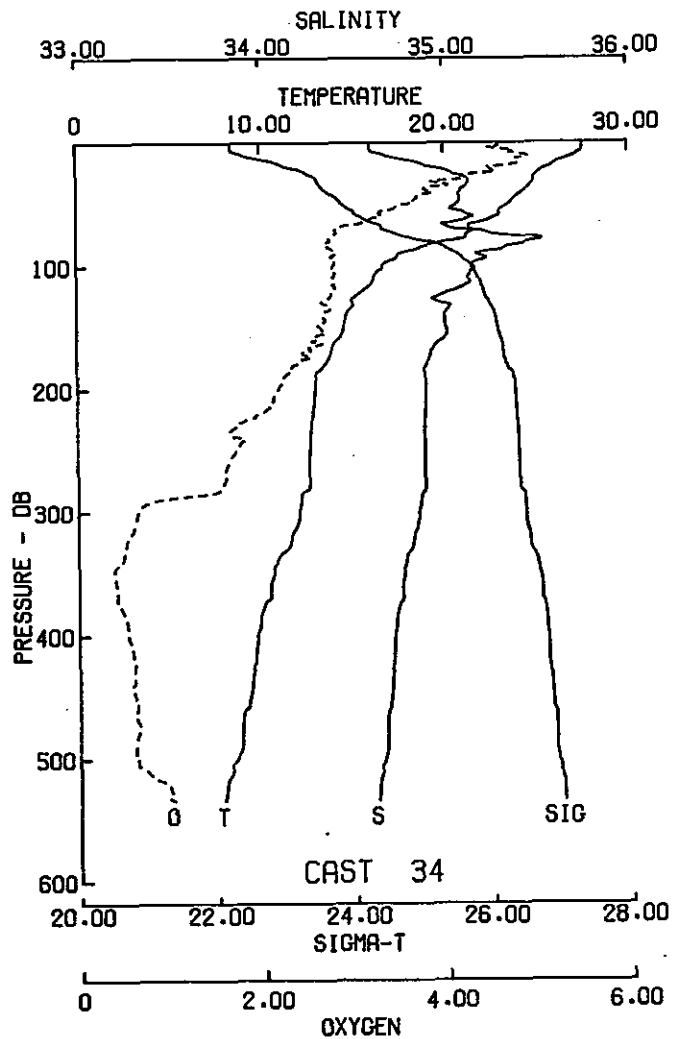


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-P (DYN-M)
0.	27.882	34.599	4.75	22.150	0.000
10.	27.423	34.635	4.67	22.326	0.056
20.	26.161	34.862	4.78	22.898	0.110
30.	25.071	35.002	4.30	23.344	0.157
40.	24.585	35.129	3.85	23.583	0.201
50.	23.155	34.978	3.43	23.890	0.233
60.	21.710	34.874	3.24	24.221	0.283
70.	20.600	34.958	3.76	24.588	0.319
80.	20.257	35.313	2.70	24.949	0.351
90.	19.124	35.166	2.76	25.385	0.380
100.	18.640	34.930	2.70	25.563	0.405
110.	15.799	34.955	2.74	25.776	0.428
120.	15.262	34.866	2.64	25.828	0.431
130.	14.680	34.863	2.44	25.953	0.473
140.	14.451	34.915	2.63	25.843	0.492
150.	14.312	34.954	2.61	26.103	0.513
160.	14.135	34.934	2.59	26.146	0.533
170.	13.728	34.920	2.50	26.199	0.551
180.	13.348	34.909	2.30	26.269	0.569
190.	12.969	34.883	2.06	26.326	0.587
200.	12.760	34.883	1.91	26.368	0.605
250.	12.544	34.880	1.47	26.408	0.699
300.	12.473	34.878	1.34	26.429	0.774
350.	12.667	34.768	.40	26.673	0.855
400.	9.618	34.705	.56	26.806	0.923
450.	8.528	34.672	.53	26.892	0.988
500.	8.197	34.634	.68	26.977	1.050
501.	8.163	34.629	.71	26.978	1.050

CAST EP2-82-DI-034 DATE 16 APR 82 TIME 1252 GMT
LAT 00 02.1N LONG 109 55.0W

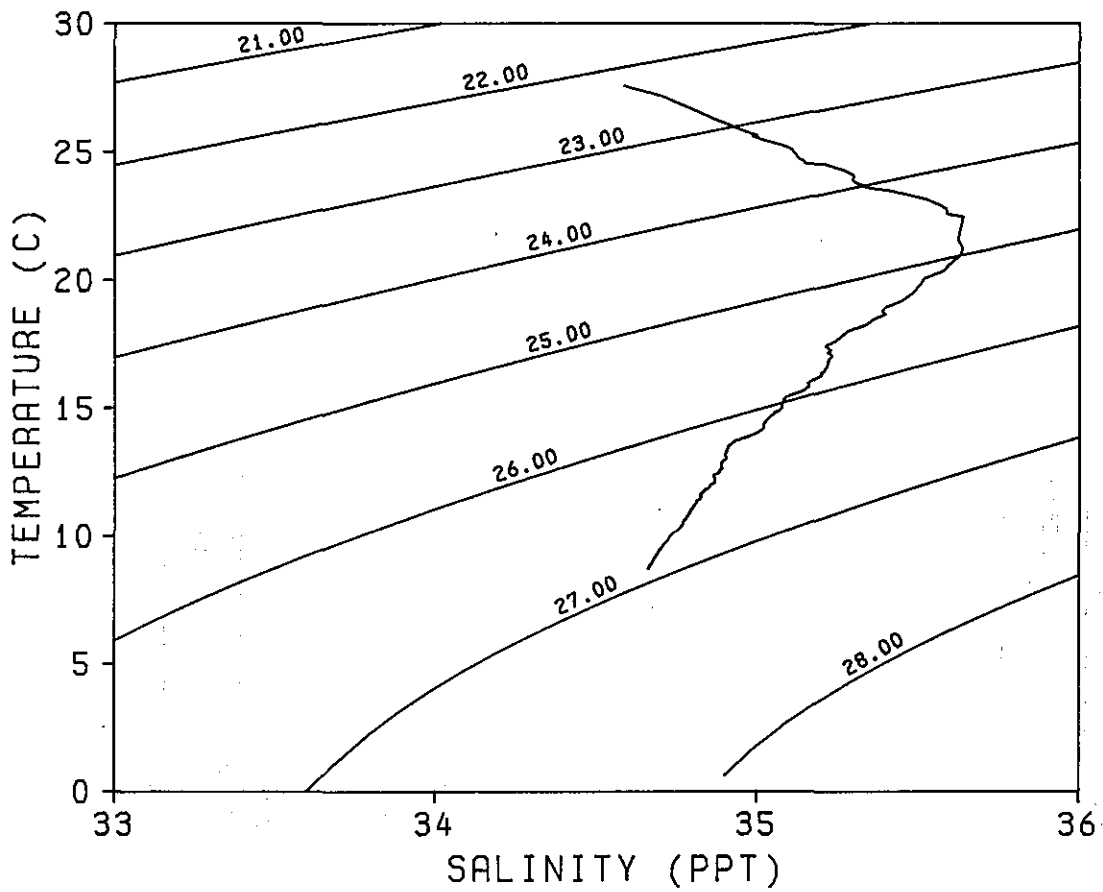


CAST EP2-82-DI-074 DATE 16 APR 82 TIME 1252 GMT
 LAT 00 02.1N LONG 109 55.0W WEATHER 1 SEA STATE 3
 BAROMETER GP WIND DIR 300 T SPD 30 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 26.5 WET 24.5 DEPTH 3780 M

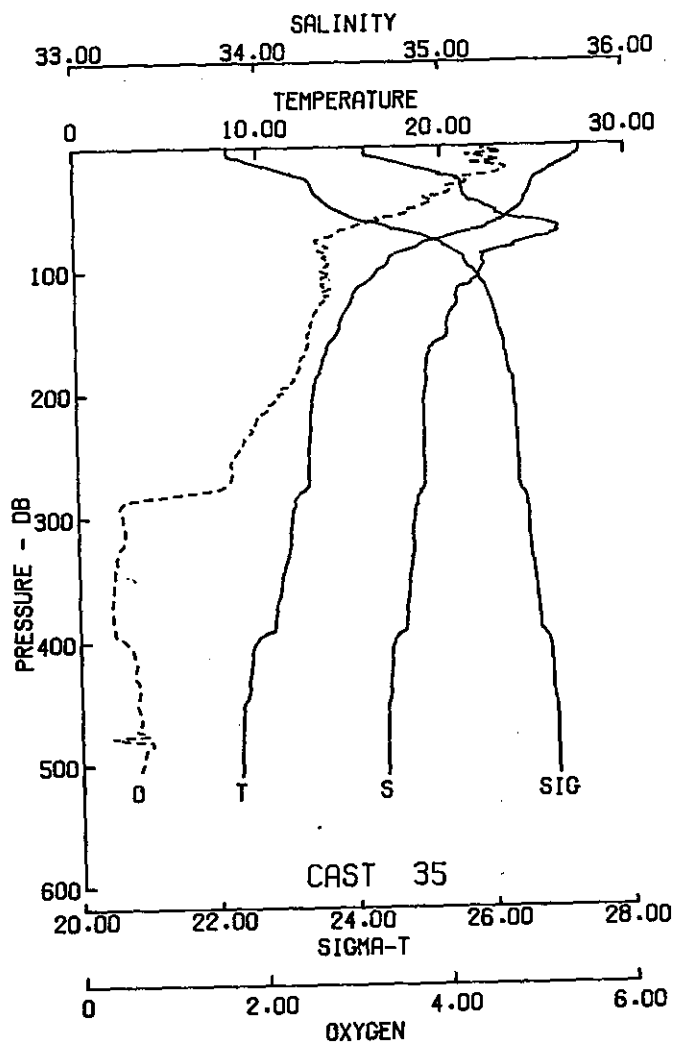


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-P (DYN-M)
0	27.578	34.603	4.60	22.252	0.000
10	27.228	34.679	4.90	22.423	.056
20	25.756	34.928	4.49	23.073	.107
30	24.998	35.137	4.13	23.494	.152
40	24.288	35.084	3.88	23.638	.156
50	23.503	35.068	3.55	23.857	.237
60	22.843	35.165	3.31	24.121	.277
70	21.431	35.062	3.07	24.441	.313
80	20.202	35.479	2.76	25.090	.346
90	17.571	35.172	2.80	25.526	.373
100	16.653	35.162	2.80	25.737	.397
110	16.135	35.124	3.79	25.829	.419
120	15.559	35.052	2.78	25.904	.441
130	14.962	35.978	2.65	25.981	.462
140	14.613	35.998	2.69	26.071	.492
150	14.489	35.907	2.64	26.105	.502
160	14.156	35.987	2.60	26.161	.521
170	13.787	35.923	2.46	26.190	.540
180	13.467	35.898	2.38	26.237	.559
190	12.937	35.892	2.24	26.339	.577
200	12.882	35.892	2.18	26.351	.594
250	12.605	35.887	1.73	26.401	.680
300	11.978	35.850	1.65	26.499	.764
350	11.565	35.766	1.19	26.689	.841
400	9.660	35.714	1.54	26.805	.910
450	9.216	35.690	1.60	26.860	.976
500	8.532	35.657	1.52	26.943	1.038
534	7.812	35.619	1.02	27.022	

CAST EP2-82-DI-035 DATE 16 APR 82 TIME 1447 GMT
LAT 00 15.5S LONG 109 55.4W

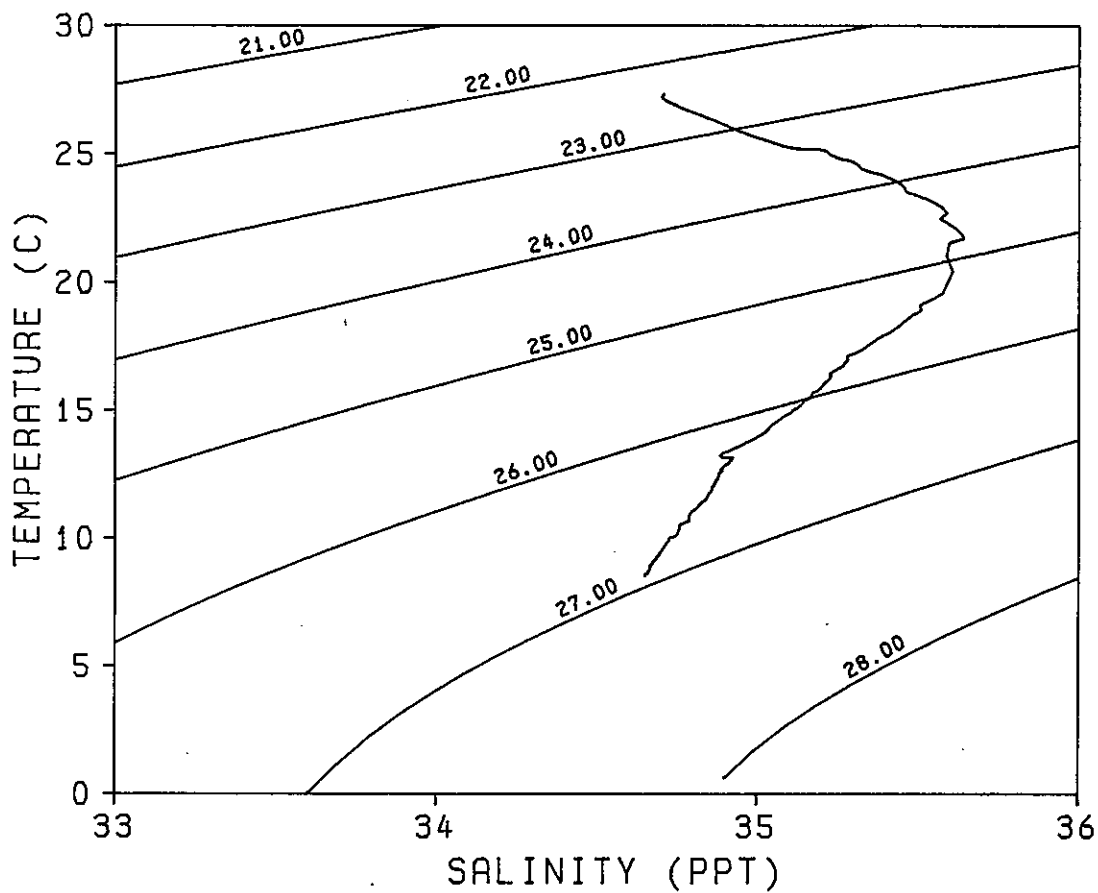


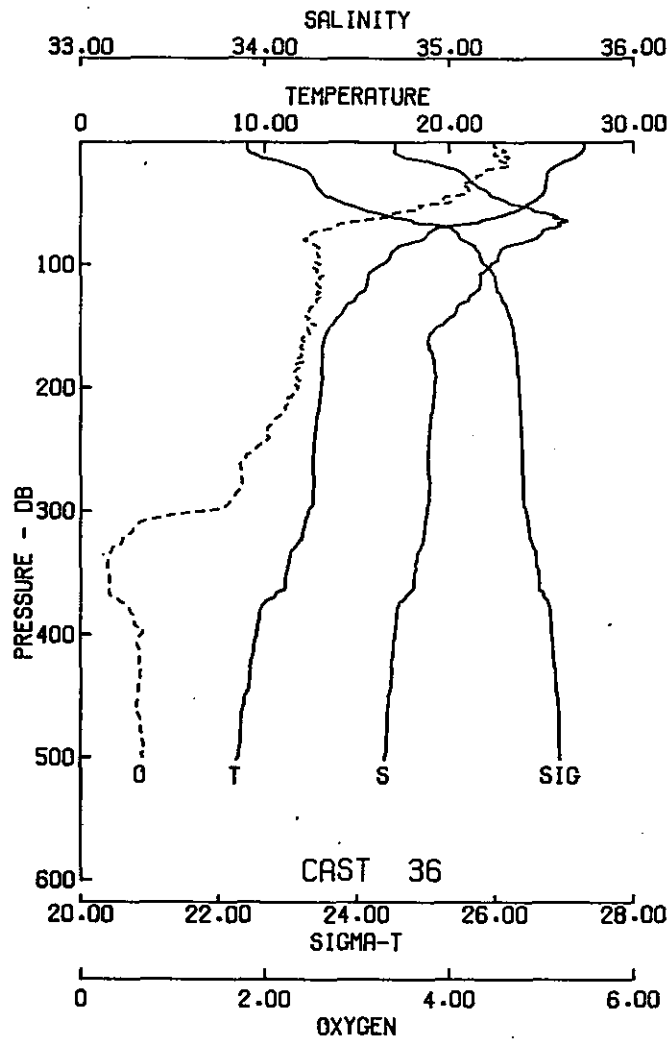
CAST EP2-82-DI-035 DATE 16 APR 82 TIME 1447 FMT
 LAT 00 15.55 LONG 109 55.4W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 155 T SPD 07 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 27.8 WET 25.1 DEPTH 3762 M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.558	34.5889	4.48	22.248	0.000
10.	27.180	34.692	4.52	22.447	.056
20.	25.875	34.941	4.67	23.046	.107
30.	24.970	35.112	4.28	23.453	.153
40.	24.722	35.128	3.97	23.541	.197
50.	24.255	35.279	3.70	23.788	.240
60.	23.345	35.452	3.33	24.194	.279
70.	21.222	35.640	2.84	24.937	.314
80.	18.503	35.397	2.69	25.366	.347
90.	17.173	35.226	2.71	25.663	.367
100.	16.540	35.217	2.70	25.794	.390
110.	15.502	35.155	2.73	25.906	.412
120.	15.166	35.076	2.71	26.011	.430
130.	14.891	35.072	2.68	26.068	.447
140.	14.493	35.028	2.58	26.121	.474
150.	14.294	35.019	2.54	26.156	.492
160.	13.784	34.957	2.53	26.217	.511
170.	13.511	34.914	2.48	26.240	.530
180.	13.337	34.907	2.44	26.270	.547
190.	13.006	34.905	2.37	26.336	.565
200.	12.900	34.896	2.25	26.350	.582
250.	12.612	34.886	1.72	26.400	.658
300.	11.653	34.829	.49	26.540	.751
350.	11.053	34.799	.40	26.627	.829
400.	9.648	34.710	.50	26.804	.901
450.	8.506	34.674	.61	26.898	.966
500.	8.718	34.664	.66	26.920	1.028
510.	8.658	34.660	.62	26.926	

CAST EP2-82-DI-036 DATE 16 APR 82 TIME 1641 GMT
LAT 00 30.6S LONG 109 56.2W

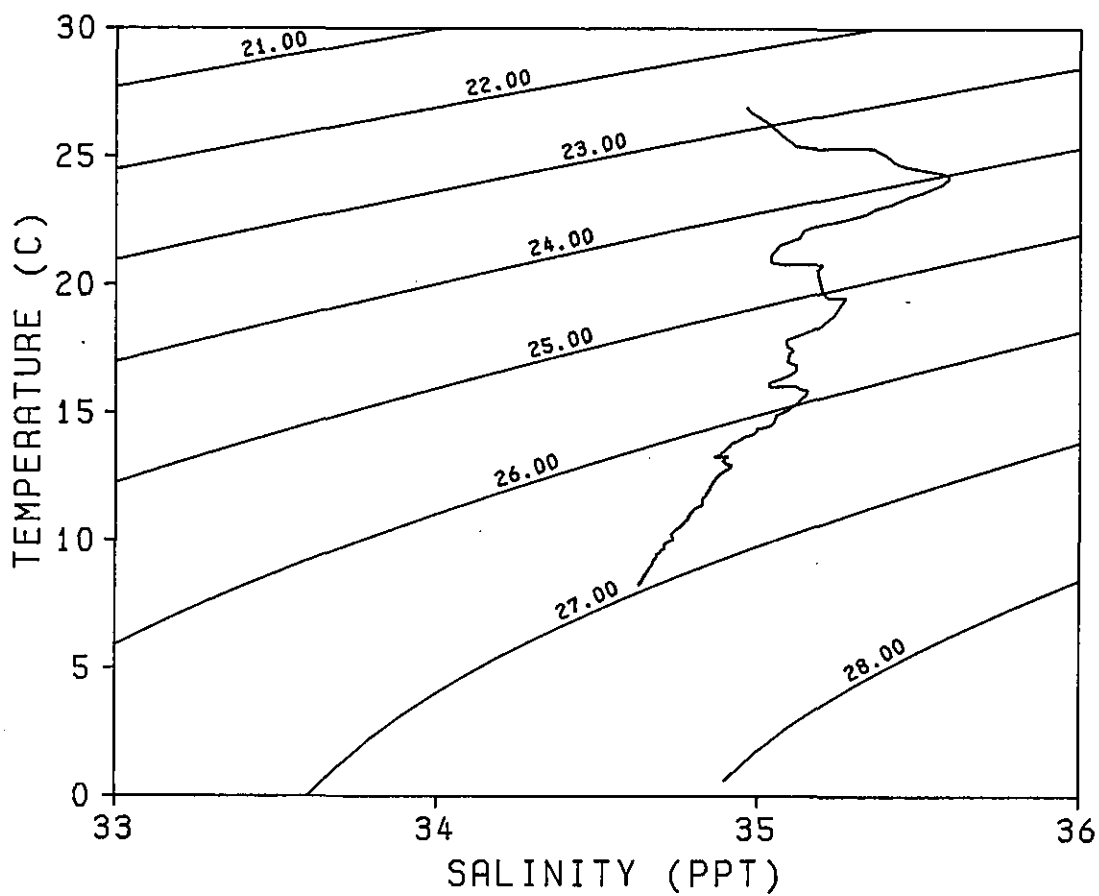


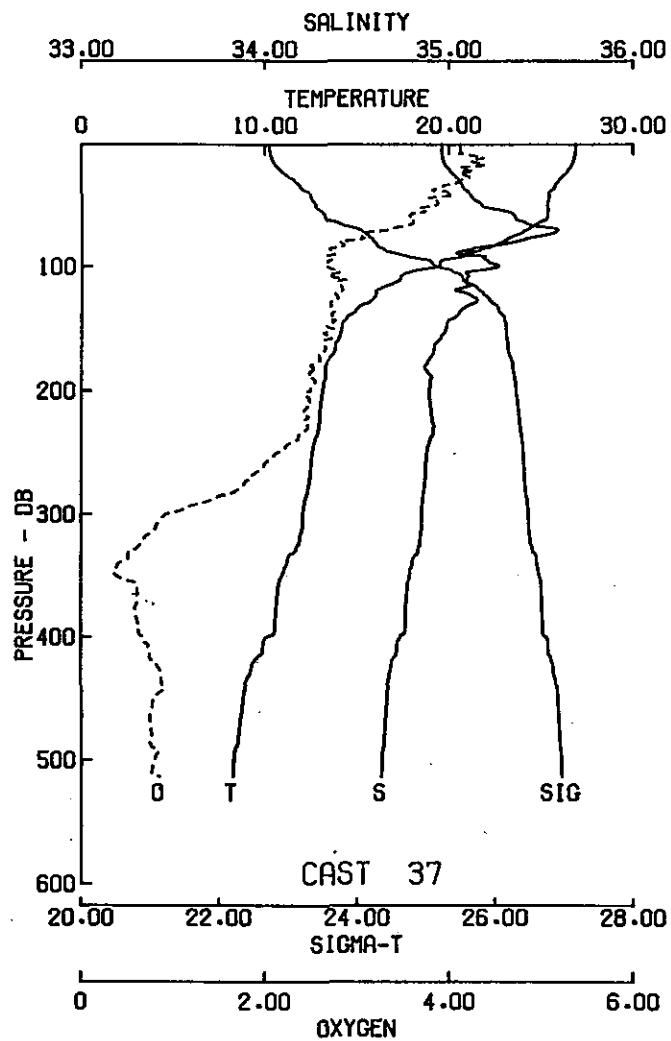


CAST EP2-82-01-036 DATE 16 APR 82 TIME 1641 GMT
 LAT DC 30.6S LONG 109 56.2W WEATHER 1 SEA STATE 1
 BAROMETER 10 WIND DIR 120 T SPD 12 KT VISIBILITY 7
 CLOUD 3 AMOUNT 8 DRY 27.0 WET 25.0 DEPTH 3811 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (CYN-M)
0.	27.309	34.707	4.49	22.417	0.000
10.	27.034	34.719	4.48	22.514	.054
20.	25.736	34.973	4.51	22.114	.105
30.	25.232	35.102	4.29	23.366	.151
40.	25.135	35.200	4.22	23.470	.196
50.	24.397	35.321	3.99	23.784	.239
60.	22.923	35.570	3.35	24.405	.279
70.	19.524	35.571	2.78	25.335	.309
80.	18.512	35.459	2.42	25.512	.335
90.	16.903	35.277	2.28	25.766	.356
100.	16.413	35.225	2.61	25.841	.381
110.	15.585	35.168	2.50	25.988	.402
120.	15.421	35.157	2.56	26.016	.423
130.	14.844	35.099	2.56	26.099	.443
140.	14.178	35.030	2.44	26.189	.463
150.	13.615	34.952	2.51	26.247	.480
160.	13.239	34.889	2.49	26.276	.498
170.	13.119	34.897	2.46	26.307	.516
180.	13.125	34.926	2.37	26.322	.534
190.	13.125	34.927	2.36	26.329	.551
200.	13.044	34.919	2.36	26.339	.569
250.	12.672	34.889	1.99	26.359	.555
300.	12.360	34.878	1.37	26.443	.741
350.	11.139	34.809	.30	26.626	.820
400.	9.543	34.705	.67	26.817	.899
450.	8.886	34.663	.63	26.893	.955
500.	8.553	34.649	.68	26.933	1.016
502.	8.454	34.650	.66	26.956	

CAST EP2-82-DI-037 DATE 19 APR 82 TIME 1752 GMT
LAT 00 00.3N LONG 124 59.2W

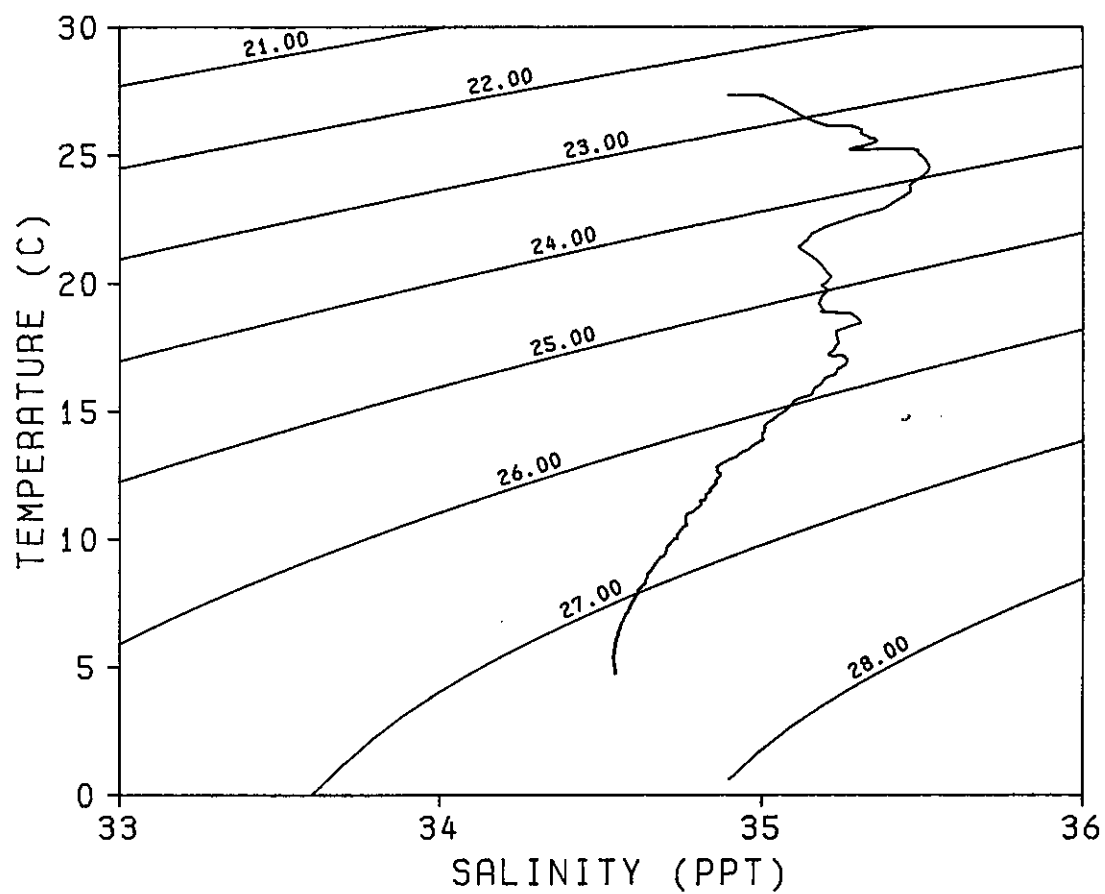


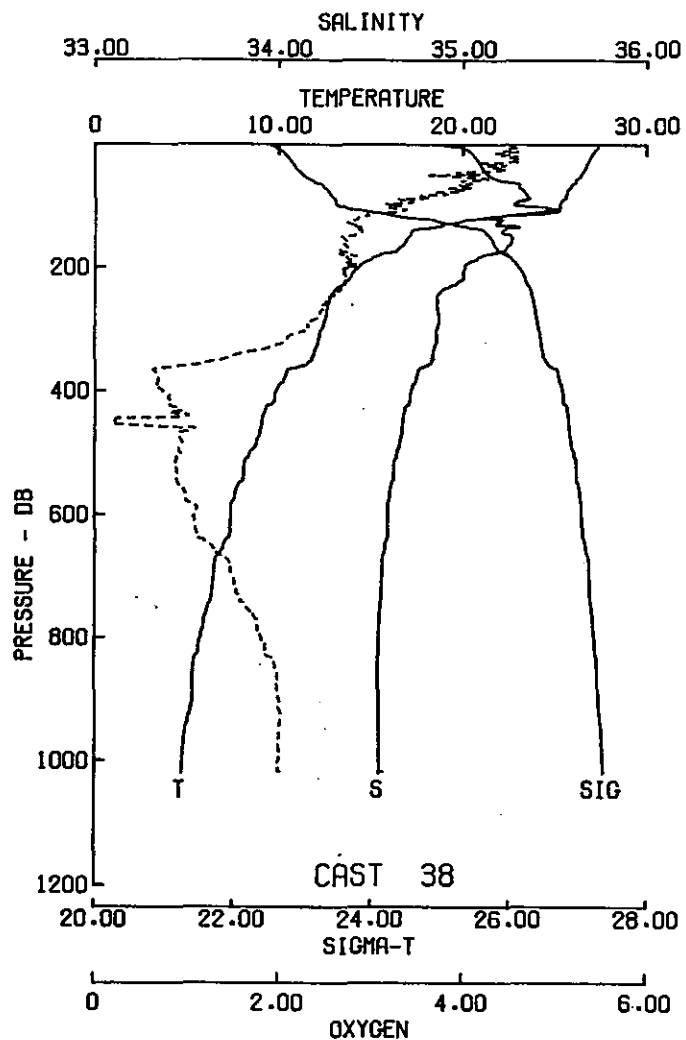


CAST EP2-92-01-037 DATE 19 APR 82 TIME 1752 GMT
 LAT 00 00.3N LONG 124 59.2W WFAZFR 1 SEA STATE 7
 BAROMETER 10 WIND DIR 100 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 DRY 27.8 WET 25.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.904	34.963	4.13	22.739	0.000
10.	26.839	34.965	4.30	22.761	.051
20.	26.557	34.998	4.12	22.875	.102
30.	25.976	34.958	4.12	23.103	.151
40.	25.427	34.911	3.98	23.313	.198
50.	25.315	34.917	3.86	23.398	.243
60.	25.301	34.936	3.59	23.541	.288
70.	24.234	34.990	3.34	24.036	.330
80.	22.551	34.936	3.31	24.238	.368
90.	20.843	34.838	3.17	24.583	.404
100.	19.457	34.870	2.69	25.127	.435
110.	17.311	34.893	2.84	25.528	.461
120.	15.987	34.835	2.84	25.794	.485
130.	15.571	34.851	2.73	25.965	.506
140.	14.560	34.845	2.73	26.119	.526
150.	14.150	34.984	2.68	26.160	.545
160.	13.944	34.944	2.53	26.173	.567
170.	13.716	34.911	2.43	26.195	.584
180.	13.273	34.869	2.48	26.253	.602
190.	13.259	34.907	2.51	26.285	.627
200.	13.102	34.889	2.55	26.304	.638
250.	12.558	34.878	2.15	26.404	.725
300.	12.041	34.849	1.94	26.482	.809
350.	10.940	34.786	1.38	26.538	.888
400.	10.231	34.739	1.67	26.729	.961
450.	8.794	34.658	1.80	26.903	1.026
500.	8.302	34.634	1.80	26.960	1.087
514.	8.252	34.631	1.86	26.966	

CAST EP2-82-DI-038 DATE 22 APR 82 TIME 0439 GMT
LAT 00 00.9N LONG 137 59.4W

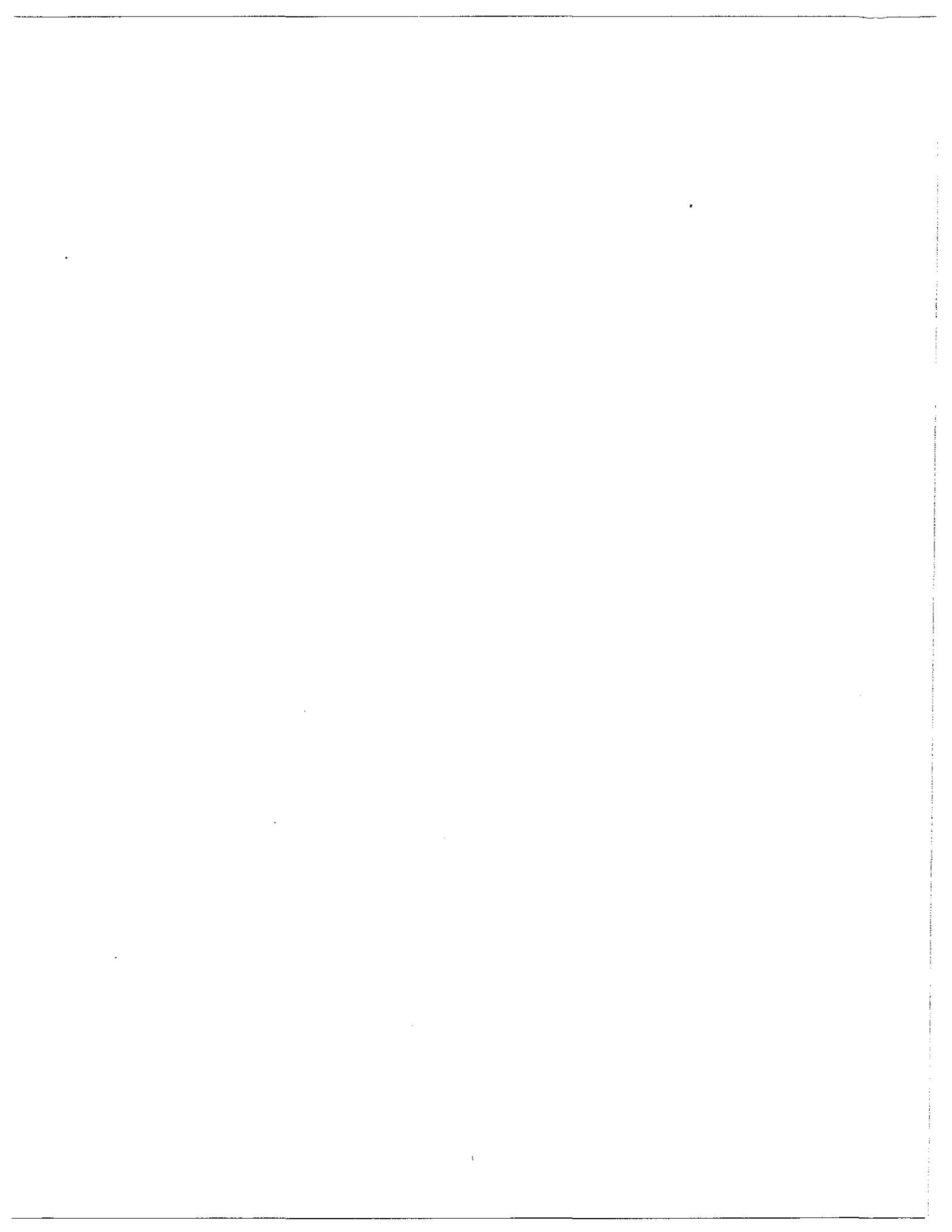




CAST EP2-R2-DI-338 DATE 22 APR 82 TIME 0439 GMT
 LAT 43 00.9N LONG 137 59.4W WEATHER 0 SEA STATE 3
 BAROMETER 38 WIND DIR 070 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 0 DRY 27.0 WET 25.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (OYN-M)
0.	27.347	34.895	4.40	22.544	0.000
10.	27.198	34.830	4.44	22.696	.052
20.	26.976	34.806	4.59	22.792	.104
30.	26.794	34.809	4.19	22.870	.154
40.	26.647	34.811	4.45	22.932	.204
50.	26.435	34.814	3.63	23.022	.253
60.	26.129	34.823	3.98	23.185	.301
70.	25.879	34.830	4.10	23.329	.348
80.	25.651	34.833	3.80	23.419	.397
90.	25.423	34.839	3.31	23.488	.438
100.	25.213	34.838	3.32	23.527	.482
110.	24.157	34.849	3.27	23.990	.524
120.	21.125	34.855	3.85	24.585	.561
130.	18.892	34.858	3.80	25.214	.599
140.	17.292	34.855	3.90	25.629	.618
150.	17.029	34.855	2.74	25.723	.642
160.	16.823	34.855	2.70	25.773	.665
170.	16.475	34.855	2.68	25.833	.688
180.	15.462	34.855	2.73	25.974	.709
190.	14.823	34.855	2.82	26.066	.730
200.	14.352	34.855	2.83	26.137	.746
250.	12.780	34.858	2.56	26.344	.841
300.	12.328	34.860	2.30	26.435	.927
350.	11.775	34.828	1.38	26.517	1.009
400.	9.852	34.718	.73	26.776	1.081
450.	9.078	34.673	.22	26.869	1.147
500.	8.415	34.640	.94	26.948	1.210
550.	7.837	34.617	.91	27.017	1.269
600.	7.416	34.595	1.08	27.061	1.325
650.	6.954	34.576	1.26	27.112	1.380
700.	6.455	34.560	1.48	27.167	1.432
750.	6.139	34.551	1.65	27.201	1.482
800.	5.764	34.544	1.82	27.243	1.526
850.	5.370	34.541	1.97	27.289	1.575
900.	5.284	34.541	2.00	27.300	1.621
950.	4.920	34.545	2.01	27.345	1.663
1000.	4.775	34.547	2.00	27.363	1.705
1020.	4.738	34.548		27.368	

101

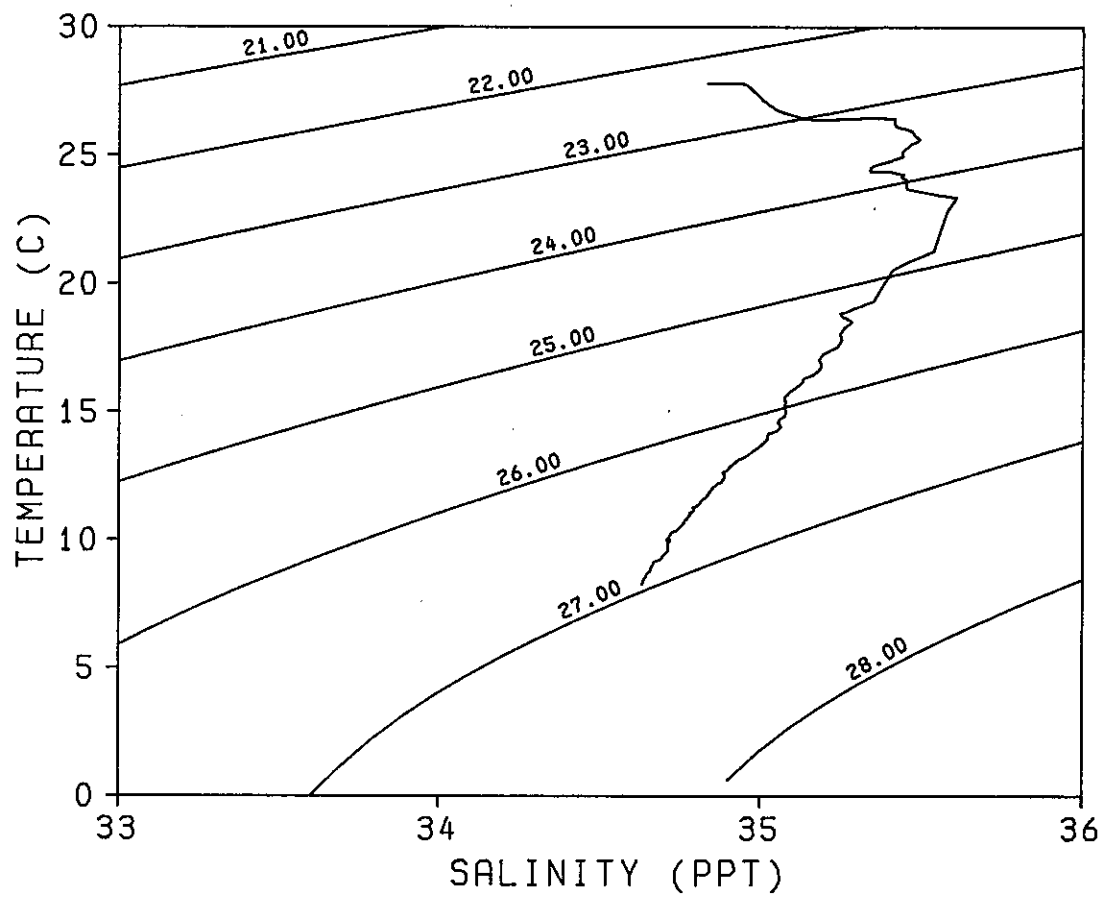


EP3-82-DI

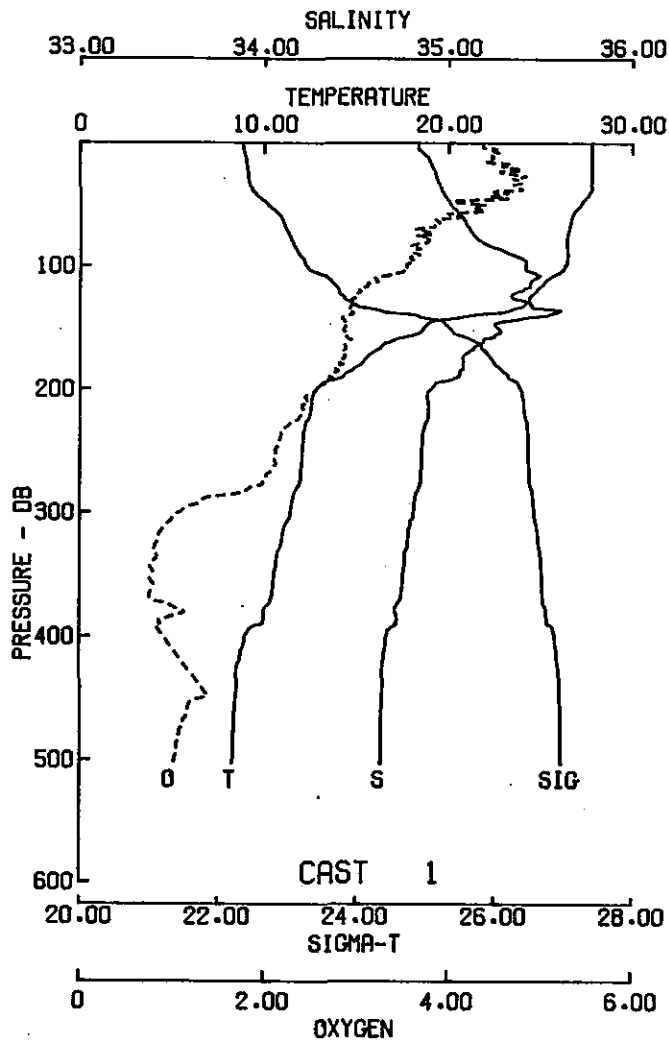
7-22 May 1982

NBIS CTD/O₂ Data Summary

CAST EP3-82-DI-001 DATE 12 MAY 82 TIME 1629 GMT
LAT 0 01.5S LONG 148 01.4W

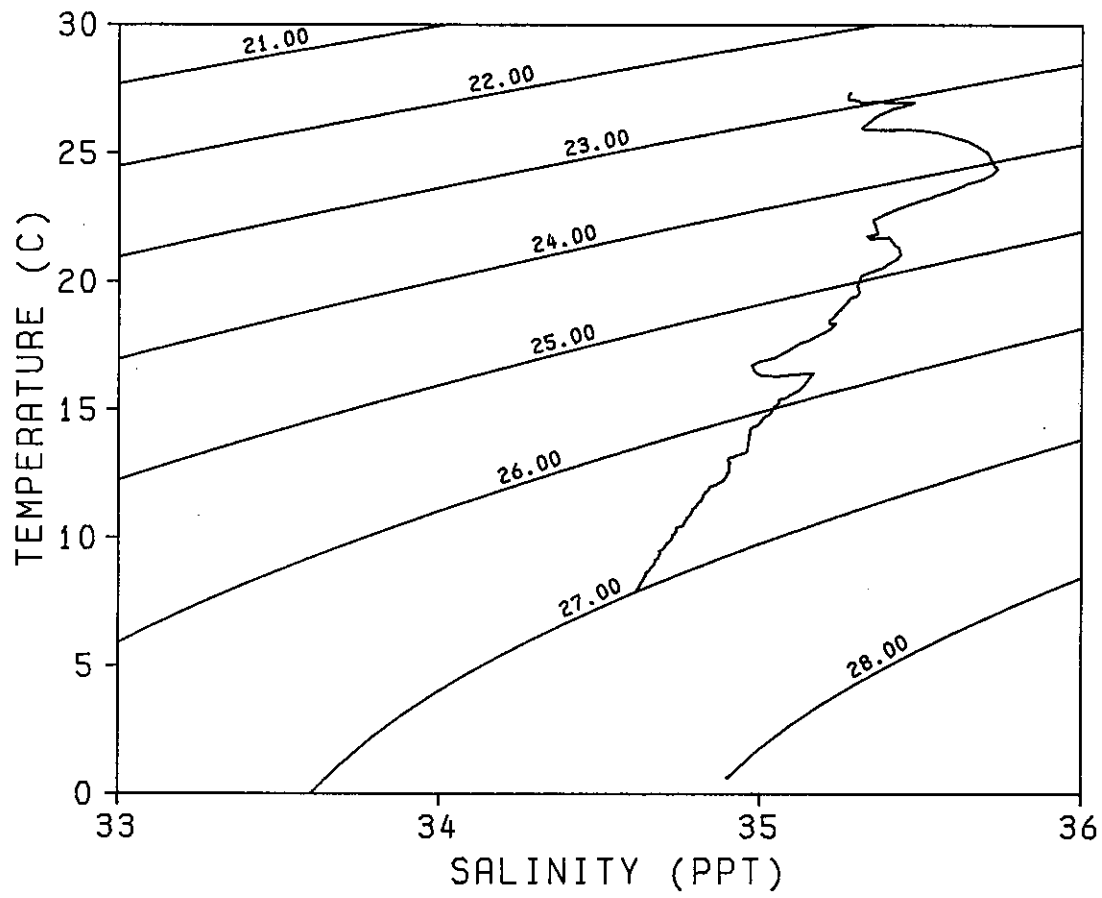


CAST EP3-82-DI-C01 DATE 12 MAY 82 TIME 1629 GMT
 LAT 0 01.5S LONG 148 01.4W WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 070 T SPD 13 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 27.1 WET 24.2 DEPTH 4466 M

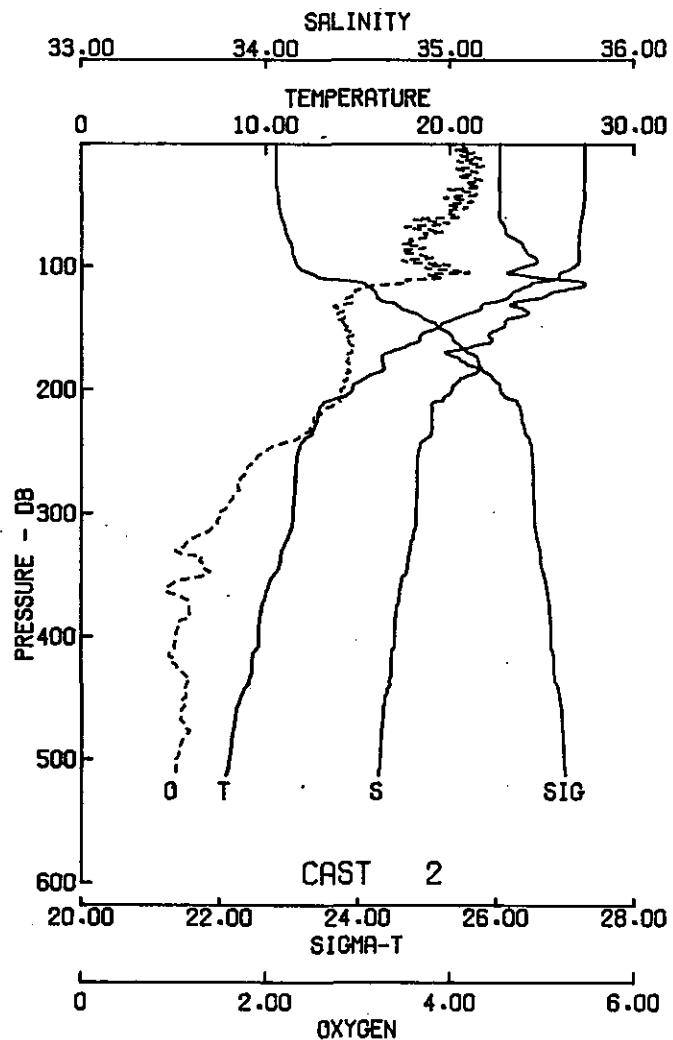


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.797	34.835	4.37	22.355	0.000
10.	27.794	34.870	4.46	22.382	.055
20.	27.794	34.914	4.60	22.415	.109
30.	27.788	34.939	4.76	22.436	.164
40.	27.646	34.965	4.48	22.502	.218
50.	27.127	35.005	4.39	22.699	.270
60.	26.652	35.074	4.12	22.903	.321
70.	26.508	35.113	3.63	22.978	.371
80.	26.381	35.177	3.78	23.066	.420
90.	26.462	35.331	3.54	23.156	.458
100.	26.293	35.411	3.54	23.270	.515
110.	26.430	35.464	3.20	23.578	.560
120.	24.750	35.394	3.03	23.733	.603
130.	24.225	35.445	2.96	23.929	.644
140.	23.824	35.536	2.91	24.852	.682
150.	18.644	35.264	2.87	25.330	.710
160.	17.003	35.181	2.94	25.669	.736
170.	15.873	35.102	2.87	25.872	.759
180.	15.211	35.071	2.85	25.997	.780
190.	14.228	35.048	2.70	26.193	.800
200.	13.823	34.902	2.57	26.370	.817
250.	11.337	34.851	2.12	26.484	.800
300.	11.392	34.807	1.68	26.572	.980
350.	8.530	34.752	.77	26.685	1.054
400.	8.956	34.956	.91	26.880	1.123
450.	8.423	34.636	1.29	26.943	1.184
500.	8.256	34.632	1.02	26.965	1.244
503.	8.234	34.631	.99	26.968	

CAST EP3-82-DI-002 DATE 13 MAY 82 TIME 1448 GMT
LAT 0 00.1S LONG 153 00.1W

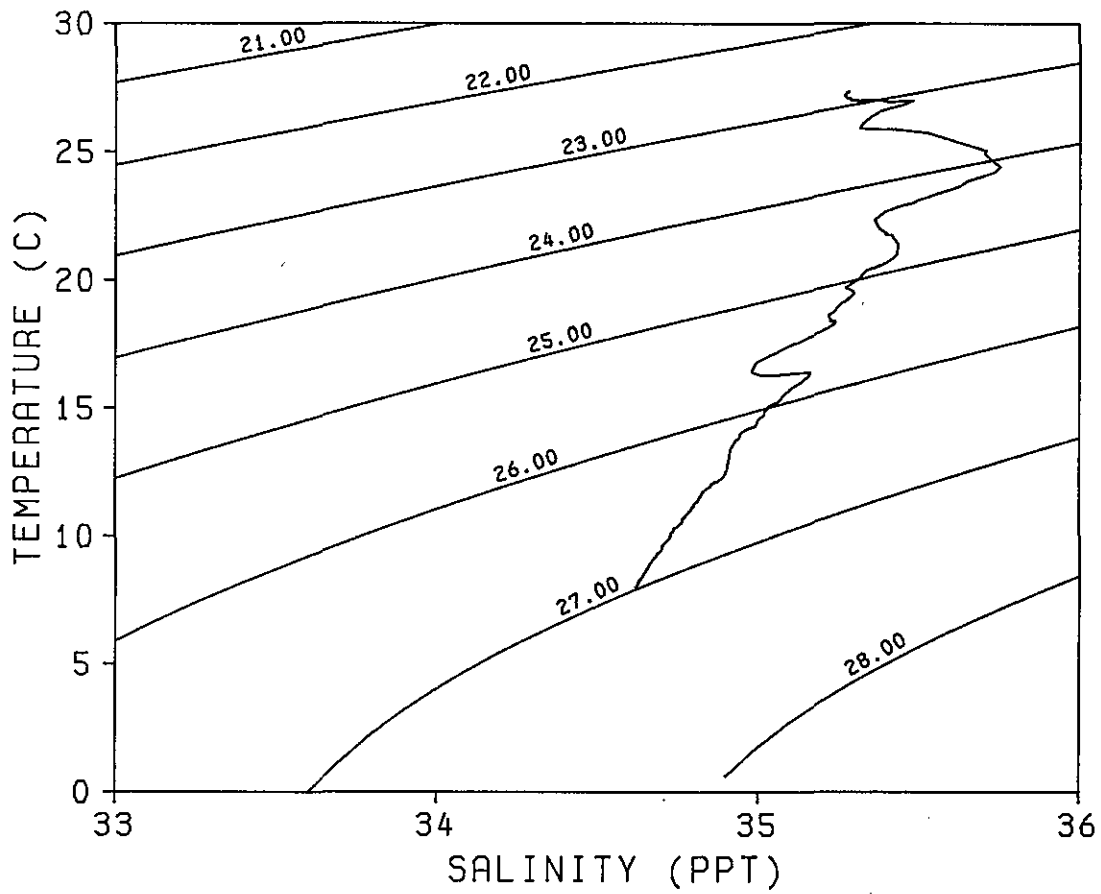


CAST FP3-82-DI-002 DATE 13 MAY 82 TIME 1448 GMT
 LAT 0 00.1S LONG 153 00.1W WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 095 T SPD 13 KT VISIBILITY 8
 CLOUD 8 AMOUNT 1 DRY 26.5 WET 23.7 DEPTH 4711 M

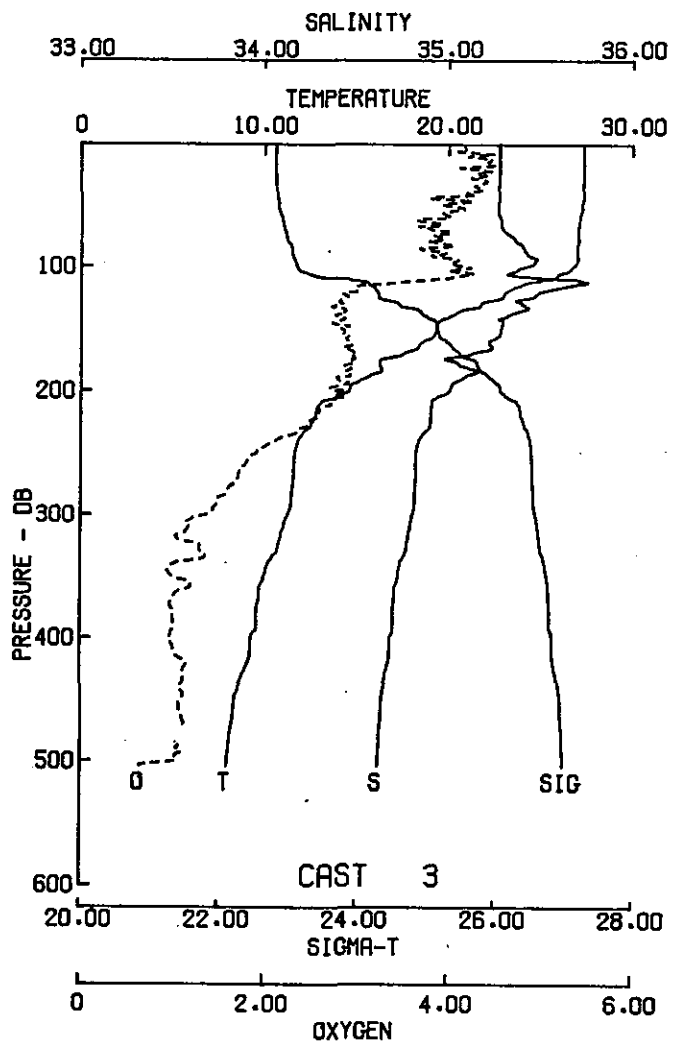


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.350	34.275	4.15	22.831	0.000
10.	27.349	34.274	4.15	22.830	.051
20.	27.348	34.274	4.06	22.830	.101
30.	27.322	34.272	4.36	22.838	.151
40.	27.272	34.269	4.26	22.851	.202
50.	27.248	34.268	3.99	22.859	.252
60.	27.127	34.267	4.10	22.897	.302
70.	27.020	34.301	3.78	22.957	.352
80.	26.992	34.379	3.62	23.024	.401
90.	26.973	34.425	3.64	23.064	.450
100.	26.735	34.407	3.78	23.127	.498
110.	25.809	34.544	3.79	23.521	.544
120.	23.485	34.575	2.96	24.246	.588
130.	21.842	34.361	2.93	24.553	.620
140.	20.709	34.396	2.80	24.891	.653
150.	19.355	34.276	2.92	25.158	.683
160.	18.354	34.233	2.94	25.379	.710
170.	16.712	34.973	2.95	25.578	.736
180.	16.361	34.095	2.91	25.754	.759
190.	15.450	34.077	2.90	25.948	.782
200.	14.678	34.010	2.82	26.067	.802
250.	11.760	34.827	1.99	26.518	.888
300.	11.480	34.817	1.56	26.563	.967
350.	10.434	34.755	1.35	26.704	1.042
400.	9.620	34.702	1.02	26.802	1.110
450.	8.607	34.644	1.12	26.921	1.175
500.	8.006	34.620	1.02	26.995	1.234
513.	7.854	34.612	.99	27.011	

CAST EP3-82-DI-003 DATE 13 MAY 82 TIME 1612 GMT
LAT 0 00.4S LONG 152 58.7W



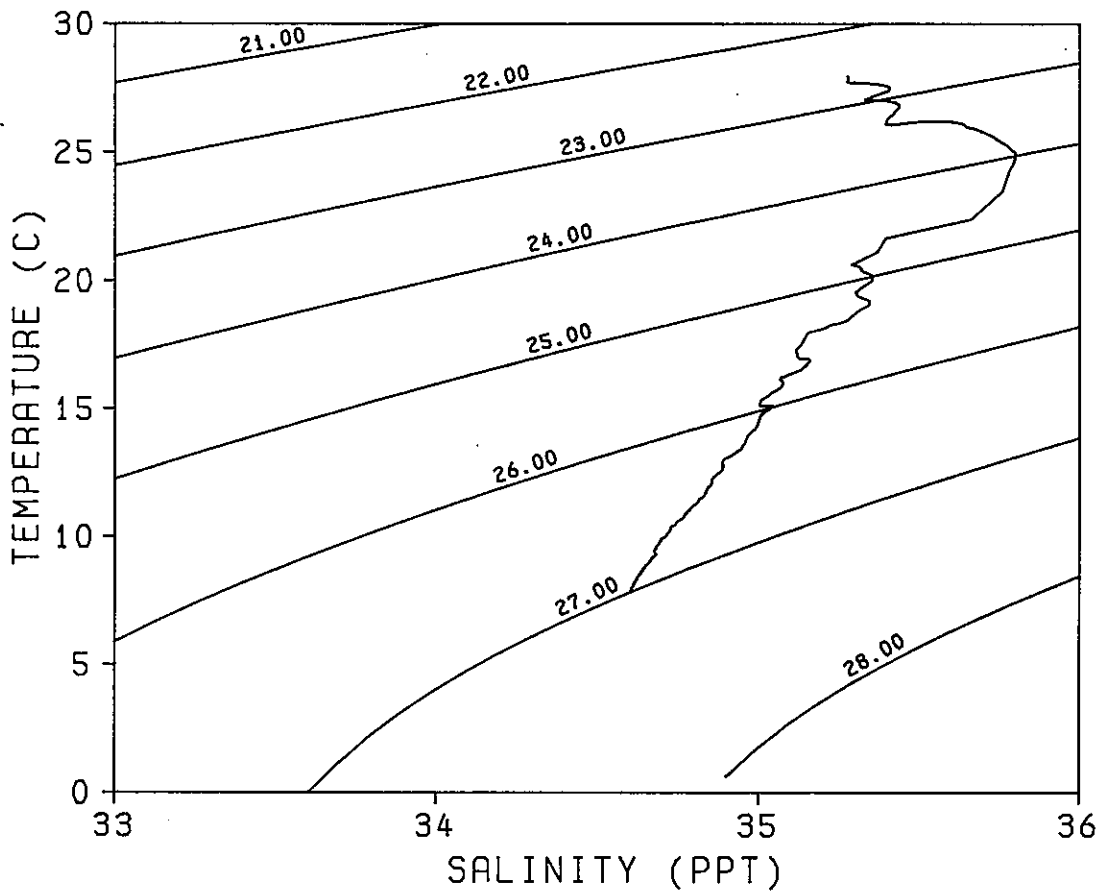
CAST EP3-82-DI-003 DATE 13 MAY 82 TIME 1612 GMT
 LAT 0 00.4S LONG 152 58.7W WEATHER 1 SEA STATE 3
 BAROMETER 19 WIND DIR 095 T SPD 13 KT VISIBILITY 8
 CLOUD 8 AMOUNT 1 DRY 26.5 WET 23.7 DEPTH 4711 M



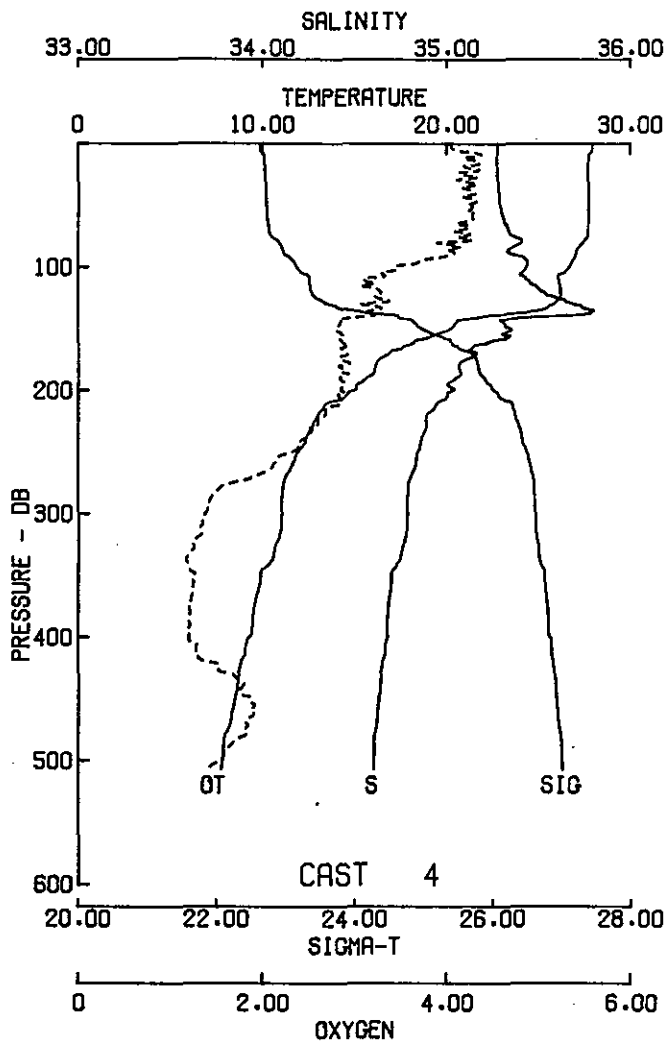
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.343	35.277	4.17	22.835	0.000
10.	27.347	35.277	4.21	22.833	.050
20.	27.349	35.278	4.25	22.833	.101
30.	27.326	35.275	4.41	22.839	.151
40.	27.292	35.272	4.18	22.847	.202
50.	27.224	35.267	3.97	22.865	.252
60.	27.079	35.278	3.97	22.920	.302
70.	26.992	35.293	3.81	22.959	.351
80.	27.022	35.365	3.85	22.904	.401
90.	26.958	35.426	3.93	22.970	.449
100.	26.698	35.409	4.18	23.140	.497
110.	25.035	35.708	3.86	23.884	.544
120.	23.085	35.490	3.00	24.298	.582
130.	21.750	35.389	2.85	24.601	.618
140.	20.032	35.311	2.77	25.007	.649
150.	19.313	35.282	2.83	25.173	.678
160.	18.621	35.217	2.92	25.300	.707
170.	17.538	35.121	2.94	25.494	.733
180.	16.313	35.082	2.87	25.756	.757
190.	15.415	35.072	2.79	25.952	.779
200.	14.602	35.004	2.89	26.079	.800
250.	11.673	34.824	1.92	26.532	.884
300.	11.283	34.802	1.36	26.588	.962
350.	9.994	34.729	1.00	26.760	1.035
400.	9.310	34.684	.98	26.840	1.102
450.	8.370	34.637	1.08	26.953	1.164
500.	7.998	34.621	1.05	26.996	1.223
534.	7.973	34.617	.65	26.997	

60T

CAST EP3-82-DI-004 DATE 15 MAY 82 TIME 0103 GMT
LAT 0 00.2S LONG 159 58.9W

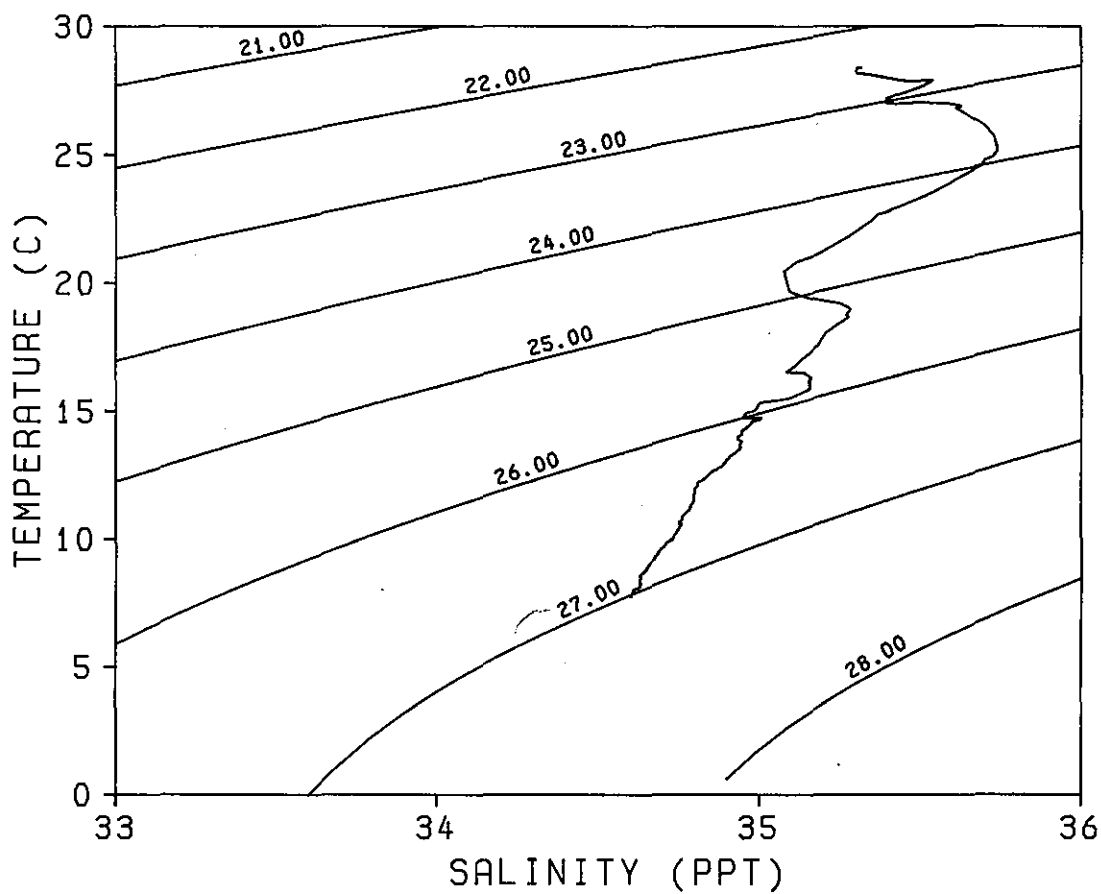


CAST EP3-82-DI-064 DATE 15 MAY 82 TIME 0103 GMT
 LAT 0 00.2S LONS 159 58.9W WEATHER 1 SEA STATE 2
 BAROMETER 99 WIND DIR 090 T SPD 05 KT VISIBILITY 7
 CLOUD 4 AMOUNT 7 DRY 29.0 WET 25.0 DEPTH 5020 M

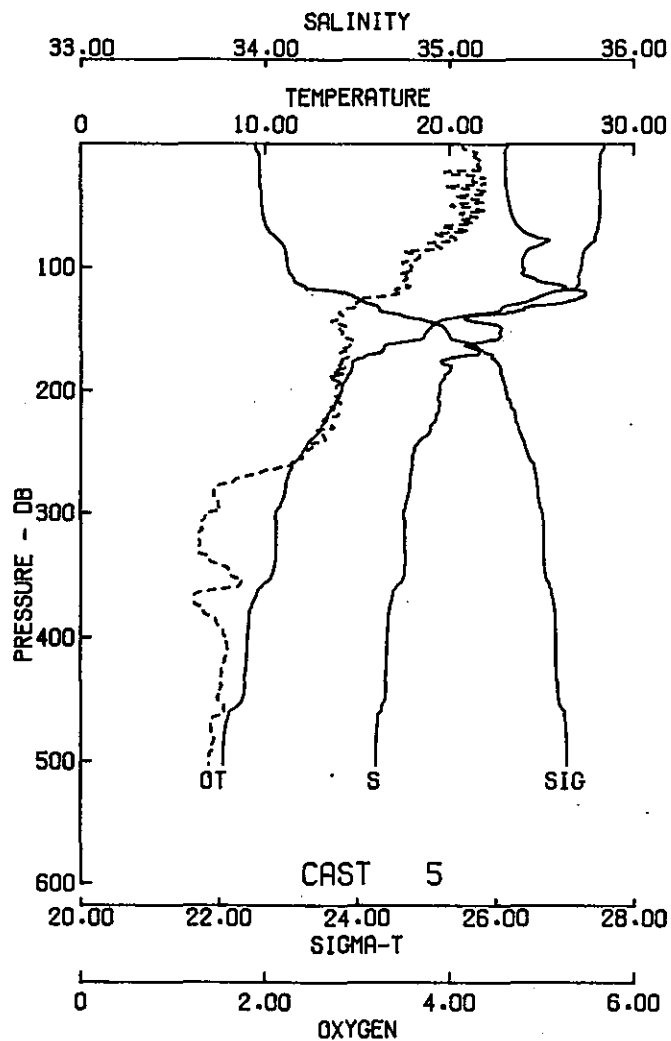


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.946	35.278	4.06	22.639	0.006
10.	27.751	35.275	4.35	22.701	.052
20.	27.720	35.277	4.27	22.713	.104
30.	27.709	35.280	4.17	22.719	.155
40.	27.702	35.284	4.32	22.724	.207
50.	27.701	35.291	4.22	22.729	.258
60.	27.700	35.309	4.29	22.743	.310
70.	27.688	35.335	4.08	22.757	.361
80.	27.398	35.409	3.90	22.916	.412
90.	27.031	35.363	4.04	23.000	.461
100.	26.658	35.433	3.44	23.171	.510
110.	26.101	35.439	3.11	23.351	.556
120.	26.205	35.527	3.29	23.385	.602
130.	25.793	35.698	3.37	23.642	.646
140.	21.989	35.530	3.10	24.640	.686
150.	20.228	35.555	3.348	24.983	.717
160.	18.278	35.5241	2.88	25.404	.746
170.	16.845	35.5163	2.82	25.693	.771
180.	15.118	35.5067	2.83	25.789	.794
190.	15.665	35.5048	2.84	25.878	.817
200.	14.940	35.5031	2.86	26.025	.838
250.	11.915	34.842	2.32	26.500	.926
300.	11.034	34.786	1.38	26.621	1.002
350.	9.895	34.700	1.26	26.754	1.075
400.	9.262	34.684	1.21	26.847	1.142
450.	8.500	34.631	1.06	26.928	1.205
500.	7.830	34.604	1.35	27.008	1.264
507.	7.790	34.604	1.43	27.014	

CAST EP3-82-DI-005 DATE 15 MAY 82 TIME 2320 GMT
LAT 00 00.1N LONG 164 59.9W

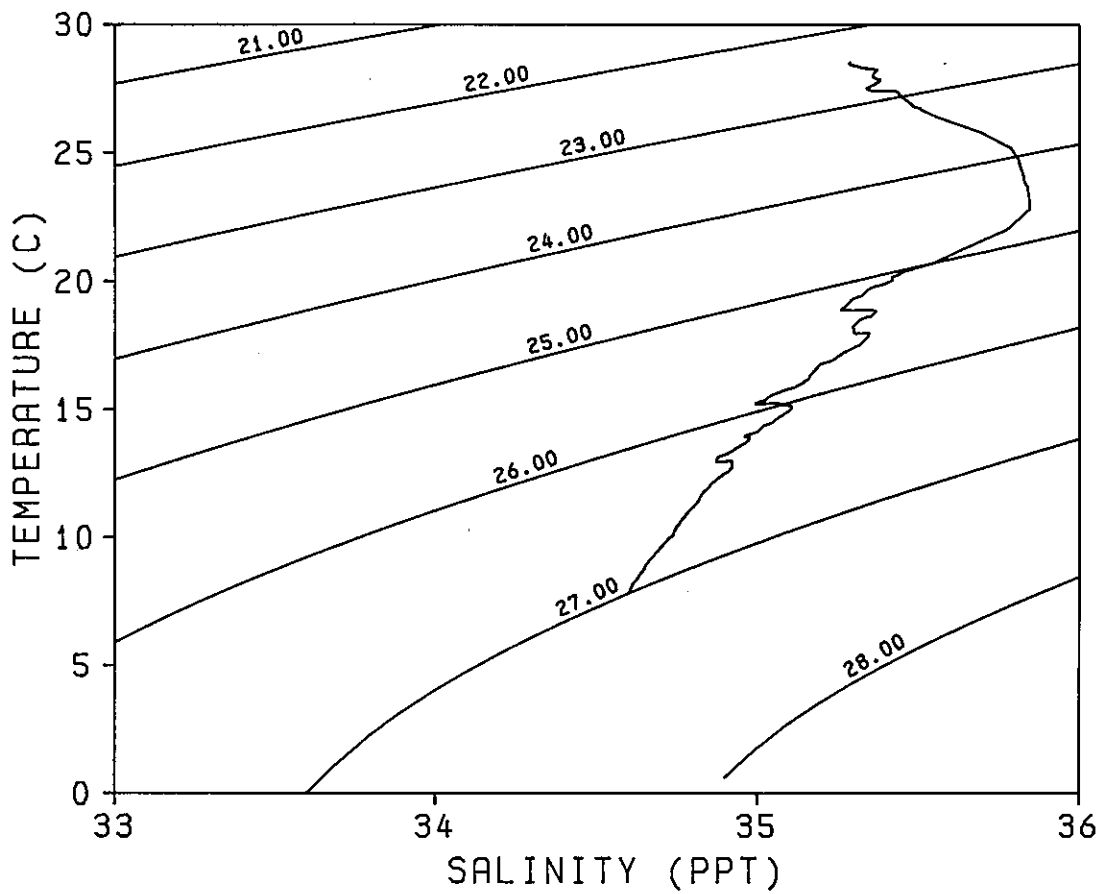


CAST EP3-82-DI-005 DATE 15 MAY 82 TIME 2320 GMT
 LAT 00 00.1N LONG 164 59.9W WEATHER 1 SEA STATE 1
 BAROMETER 10 WIND DIR 090 T SPD 35 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 29.0 WET 24.5 DEPTH 5821 M

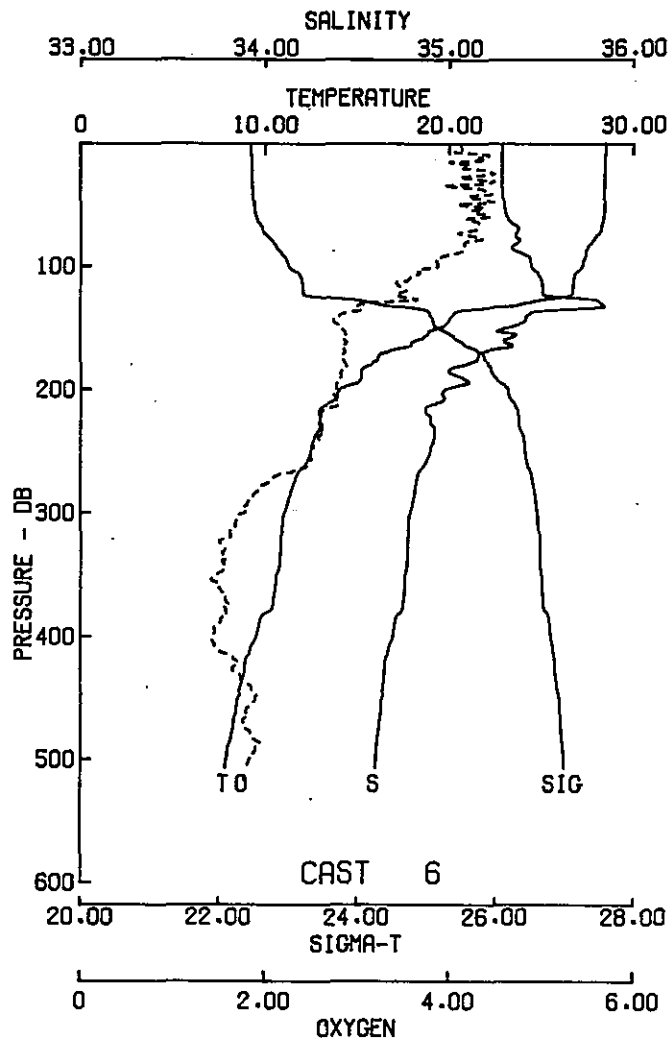


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-CM)
0.	28.377	35.315	4.14	22.525	0.000
10.	28.178	35.303	4.26	22.582	.053
20.	28.155	35.304	4.37	22.591	.106
30.	28.149	35.306	4.25	22.594	.159
40.	28.140	35.310	4.35	22.600	.211
50.	28.131	35.321	4.01	22.611	.264
60.	28.094	35.344	4.23	22.641	.317
70.	27.989	35.392	4.20	22.711	.369
80.	27.693	35.512	3.76	22.898	.420
90.	27.221	35.404	3.66	22.970	.469
100.	27.112	35.395	3.58	22.998	.519
110.	27.019	35.471	3.51	23.085	.567
120.	25.447	35.737	3.48	23.779	.614
130.	23.587	35.519	3.00	24.233	.654
140.	20.436	35.076	2.83	24.721	.689
150.	18.868	35.279	2.82	25.285	.718
160.	17.527	35.181	2.93	25.543	.745
170.	15.828	35.155	2.82	25.923	.768
180.	14.712	35.007	2.82	26.057	.789
190.	14.406	34.968	2.72	26.093	.809
200.	14.118	34.945	2.77	26.137	.829
250.	12.045	34.805	2.41	26.447	.918
300.	10.577	34.751	1.36	26.676	.995
350.	10.346	34.751	1.62	26.717	1.067
400.	9.047	34.661	1.60	26.865	1.132
450.	8.734	34.646	1.48	26.903	1.196
500.	7.721	34.600	1.39	27.021	1.253
503.	7.715	34.600	1.39	27.022	

CAST EP3-82-DI-006 DATE 16 MAY 82 TIME 2201 GMT
LAT 00 00.2N LONG 169 59.4W

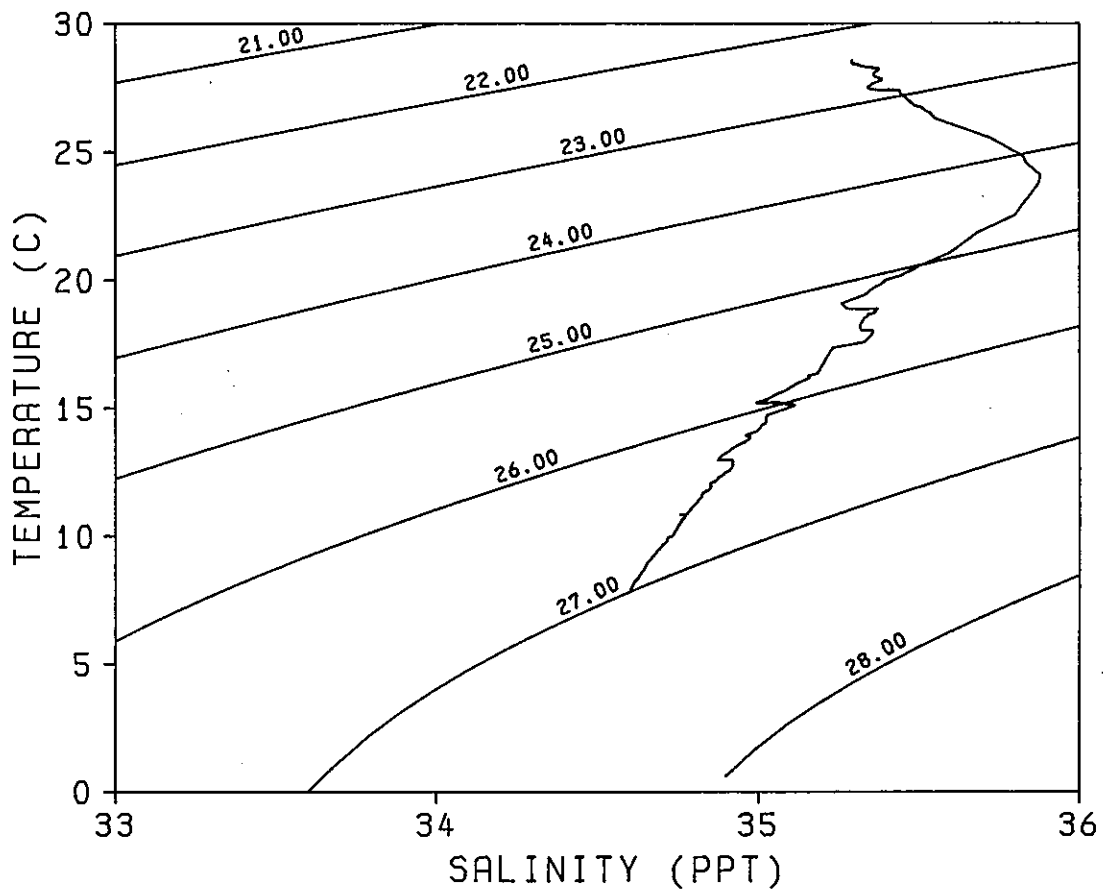


CAST EP3-82-DI-006 DATE 16 MAY 82 TIME 2201 GMT
 LAT 00 00.2N LONG 169 59.4W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 100 T SPD 06 KT VISIBILITY 7
 CLOUD 8 AMOUNT 1 DRY 29.2 WET 25.3 DEPTH 5363 M

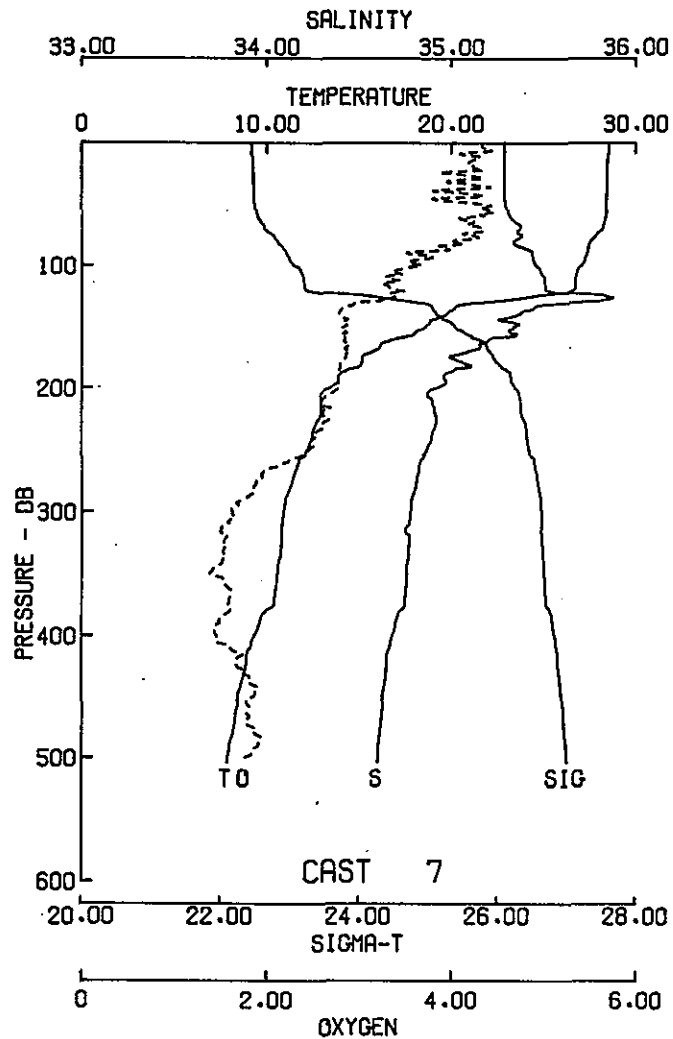


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	28.505	35.287	4.13	22.462	0.000
10.	28.463	35.286	4.43	22.475	.054
20.	28.452	35.287	4.15	22.480	.108
30.	28.447	35.286	4.41	22.481	.162
40.	28.427	35.290	4.46	22.491	.215
50.	28.406	35.296	4.16	22.502	.269
60.	28.350	35.314	4.36	22.534	.323
70.	28.208	35.373	4.28	22.625	.376
80.	27.755	35.375	4.17	22.775	.428
90.	27.407	35.398	4.05	22.905	.478
100.	27.207	35.446	3.88	23.005	.528
110.	26.748	35.497	3.56	23.191	.576
120.	26.690	35.508	3.53	23.217	.623
130.	26.119	35.525	3.13	23.248	.657
140.	26.194	35.427	3.81	23.253	.699
150.	19.421	35.324	2.82	23.177	.728
160.	18.232	35.296	2.86	23.457	.755
170.	16.527	35.179	2.87	23.780	.780
180.	15.728	35.084	2.89	23.891	.802
190.	15.221	35.063	2.82	23.989	.823
200.	14.615	34.977	2.76	24.183	.843
250.	12.480	34.897	2.51	24.454	.931
300.	11.069	34.790	1.79	24.518	1.010
350.	10.621	34.761	1.49	24.676	1.084
400.	9.538	34.695	1.43	24.811	1.154
450.	8.513	34.635	1.89	24.929	1.217
500.	7.909	34.604	1.83	24.997	1.277
507.	7.863	34.601	1.77	27.001	

CAST EP3-82-DI-007 DATE 16 MAY 82 TIME 2312 GMT
LAT 00 00.2N LONG 170 01.4W

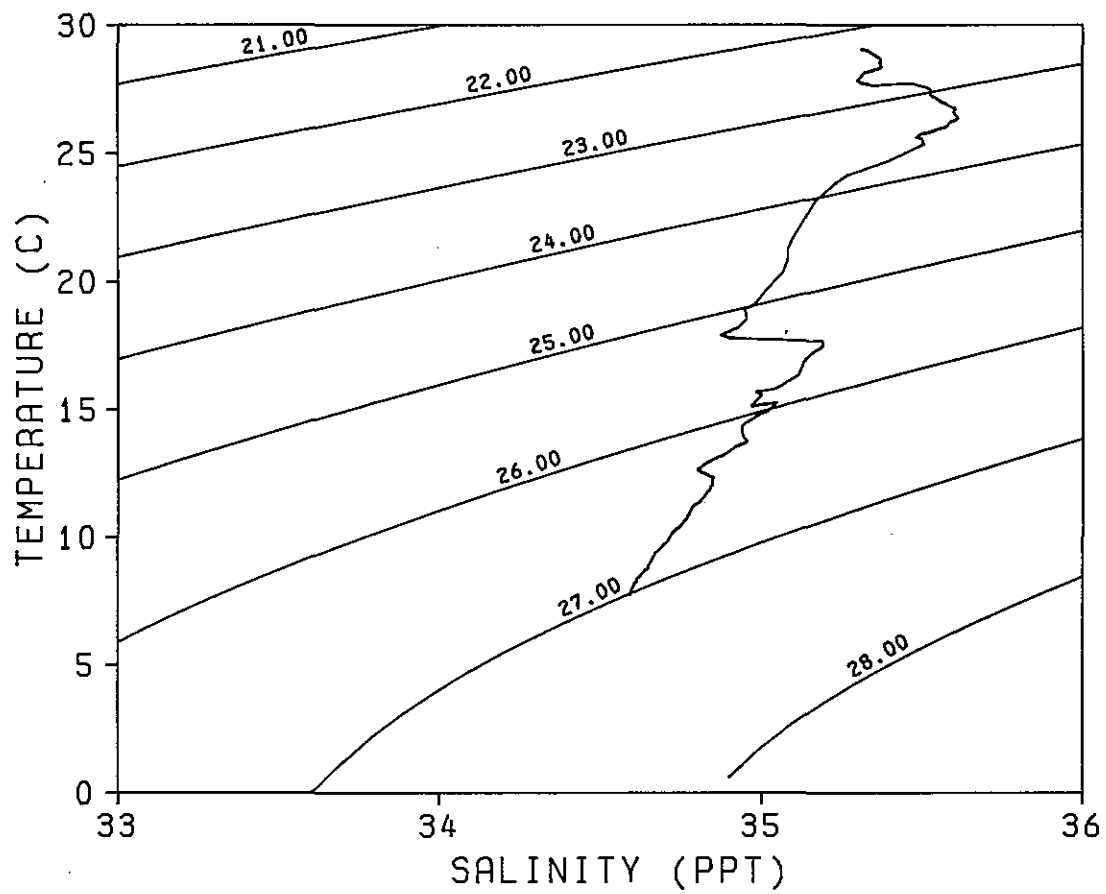


CAST EP3-82-DI-007 DATE 16 MAY 82 TIME 2312 GMT
 LAT 00 00.2N LONG 170 01.4W W/FATHER 1 SEA STAFF 3
 BAROMETER 11 WIND DIR 105 T SPD 05 KT VISIBILITY 7
 CLOUD 8 AMOUNT 1 DRY 29.8 WET 24.8 DEPTH 5350 M

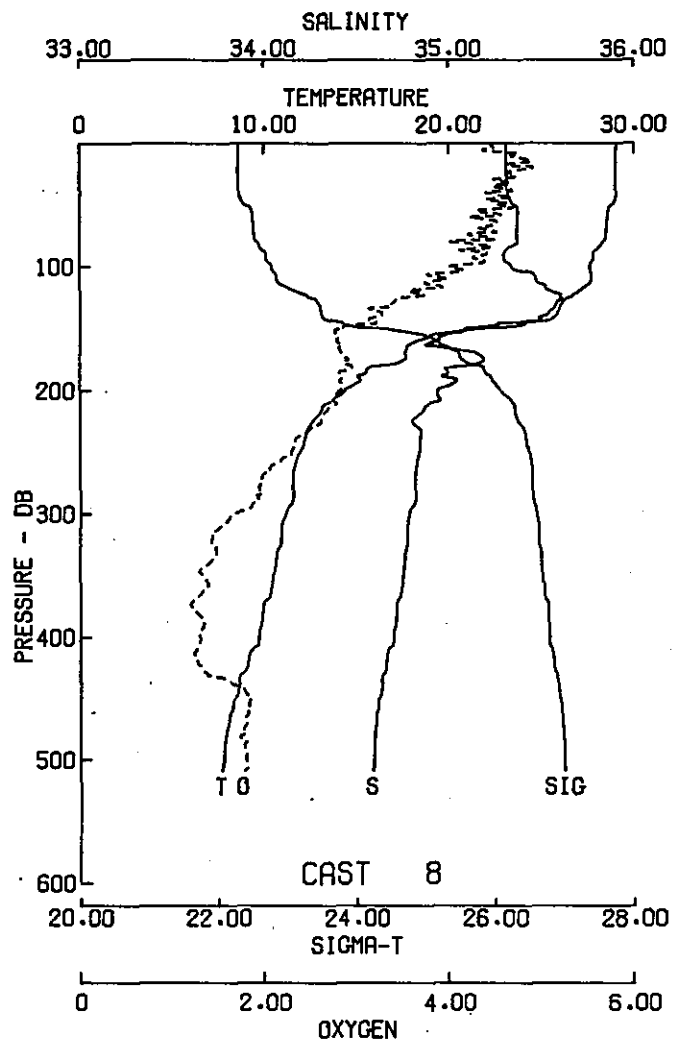


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	28.537	35.290	4.33	22.454	0.000
10.	28.507	35.289	4.19	22.463	.654
20.	28.469	35.289	4.24	22.479	.108
30.	28.451	35.290	4.08	22.482	.162
40.	28.440	35.291	4.04	22.487	.215
50.	28.412	35.296	4.36	22.500	.269
60.	28.342	35.313	4.25	22.539	.323
70.	28.180	35.372	4.34	22.633	.376
80.	27.529	35.339	4.02	22.821	.427
90.	27.346	35.438	3.52	22.955	.477
100.	27.056	35.460	3.68	23.065	.527
110.	26.731	35.506	3.30	23.202	.574
120.	26.656	35.509	3.40	23.229	.621
130.	21.851	35.583	2.99	23.793	.661
140.	19.757	35.368	2.80	23.123	.690
150.	18.636	35.338	2.85	23.389	.718
160.	16.941	35.209	2.85	23.705	.743
170.	15.805	35.100	2.91	23.886	.765
180.	15.157	35.074	2.82	23.911	.787
190.	13.921	34.961	2.78	23.191	.806
200.	13.465	34.926	2.78	23.258	.825
250.	12.216	34.872	2.45	23.466	.910
300.	10.912	34.781	1.63	23.639	.987
350.	10.593	34.763	1.38	23.682	1.061
400.	9.347	34.683	1.47	23.833	1.130
450.	8.474	34.632	1.86	23.932	1.193
500.	7.883	34.604	1.76	27.001	1.252
504.	7.863	34.603	1.77	27.003	

CAST EP3-82-DI-008 DATE 17 MAY 82 TIME 2109 GMT
LAT 00 00.1N LONG 175 00.1W

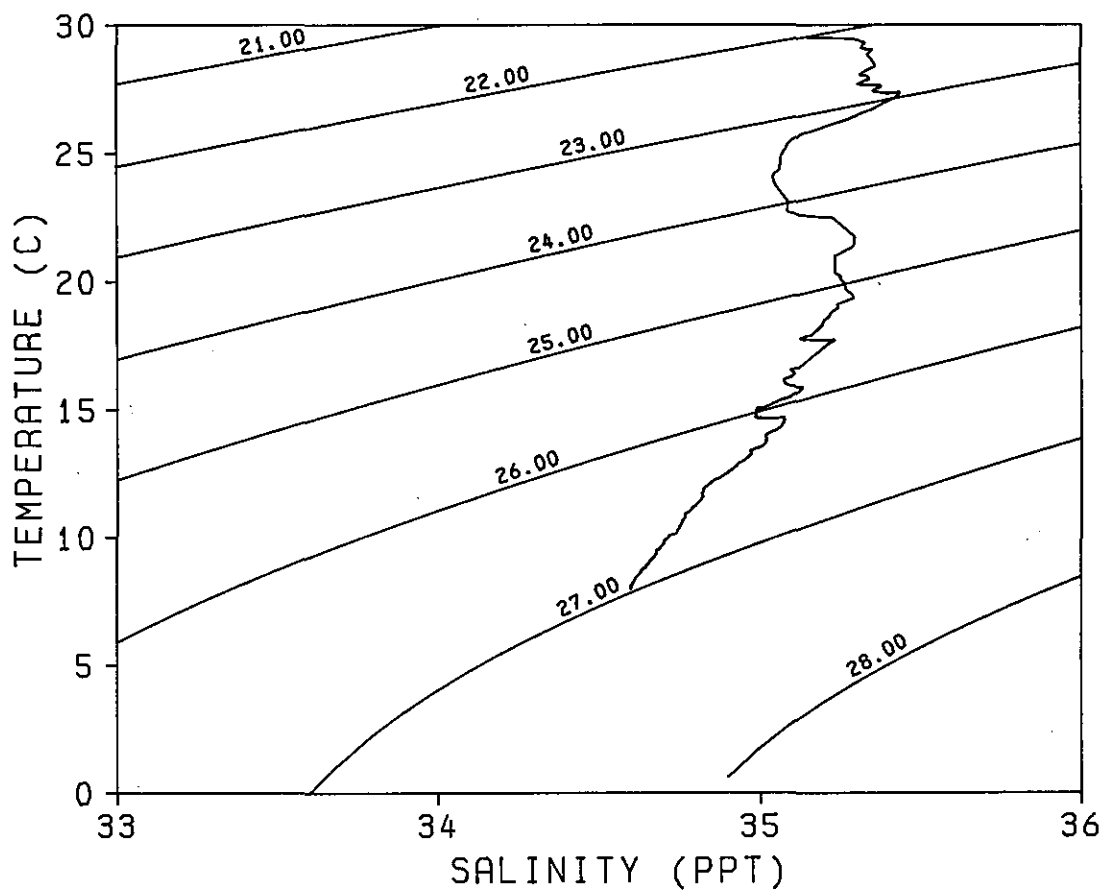


CAST EP3-82-DI-JOB DATE 17 MAY 82 TIME 2109 GMT
 LAT 00 00.1N LONG 175 00.1W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 115 T SPD 15 KT VISIBILITY 7
 CLOUD 8 AMOUNT 1 DRY 29.0 WET 24.9 DEPTH 5224 M

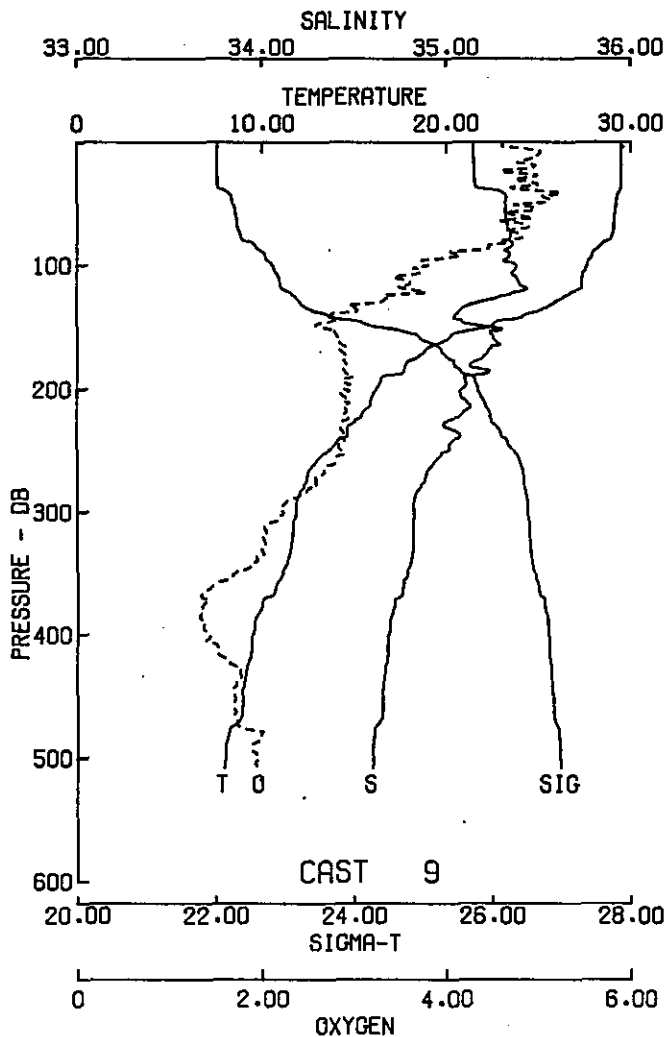


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.046	34.312	4.46	22.301	0.000
10.	29.042	34.313	4.67	22.302	.055
20.	29.041	34.313	4.92	22.303	.111
30.	29.031	34.315	4.51	22.308	.166
40.	29.029	34.317	4.39	22.310	.222
50.	28.836	34.350	4.56	22.399	.277
60.	28.570	34.373	4.23	22.505	.331
70.	28.512	34.369	4.42	22.522	.385
80.	28.339	34.377	4.62	22.584	.438
90.	27.814	34.399	4.42	22.698	.491
100.	27.651	34.341	4.01	22.783	.543
110.	27.732	34.474	3.97	22.856	.593
120.	27.058	34.354	3.57	23.139	.643
130.	26.112	34.382	3.68	23.456	.689
140.	25.791	34.521	3.24	23.509	.734
150.	21.633	34.096	2.87	24.411	.776
160.	18.294	34.935	2.78	25.167	.807
170.	17.647	34.148	2.85	25.488	.834
180.	16.307	34.115	2.95	25.782	.859
190.	15.178	34.015	2.86	25.961	.881
200.	14.358	34.941	2.83	26.082	.902
250.	11.973	34.840	2.30	26.488	.989
300.	11.149	34.785	1.65	26.599	1.068
350.	10.492	34.753	1.33	26.692	1.141
400.	9.695	34.700	1.31	26.788	1.211
450.	8.381	34.616	1.82	26.935	1.274
500.	7.812	34.597	1.81	27.005	1.333
509.	7.709	34.592	1.78	27.016	

CAST EP3-82-DI-009 DATE 18 MAY 82 TIME 1942 GMT
LAT 0 00.8S LONG 179 57.9E

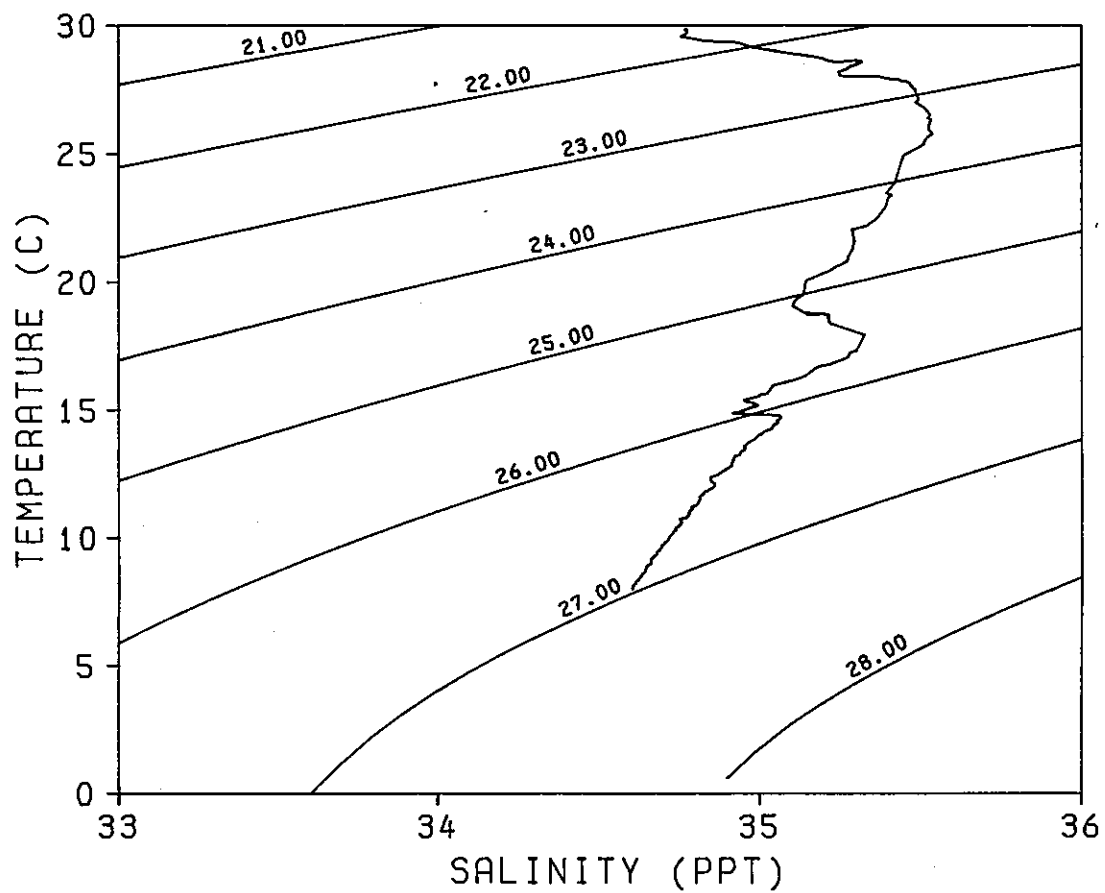


CAST EP3-82-DI-009 DATE 18 MAY 82 TIME 1942 GMT
 LAT 00.8S LONG 179 57.9E WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 115 T SPD 13 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 29.9 WET 25.0 DEPTH 5224 M

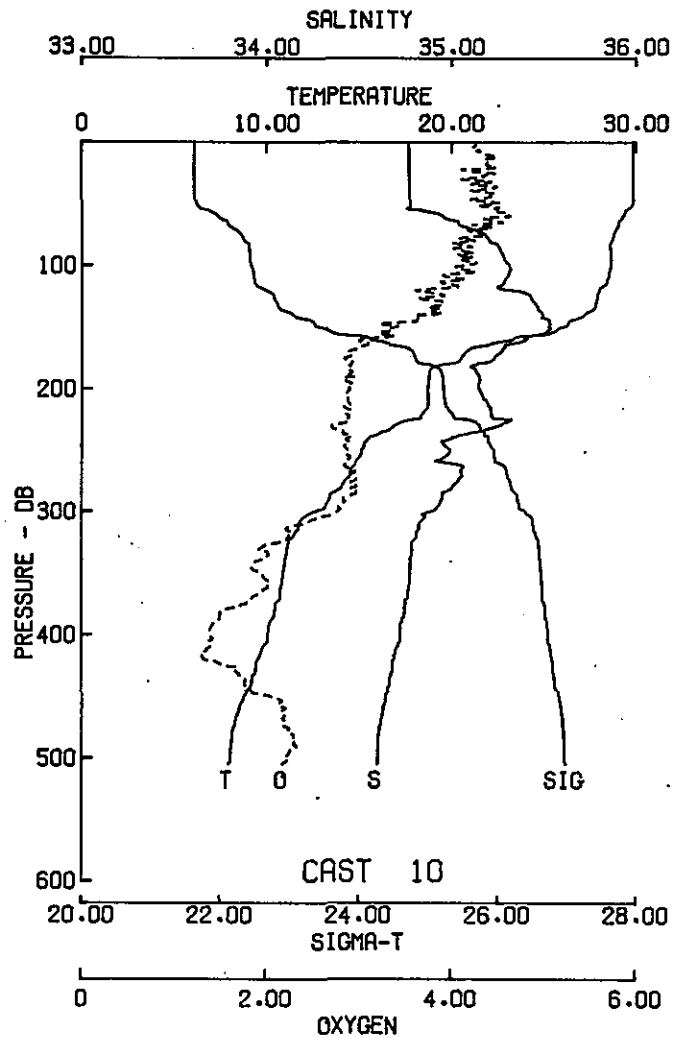


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.494	35.147	4.61	22.026	0.000
10.	29.505	35.148	4.99	22.023	.058
20.	29.505	35.151	4.96	22.025	.116
30.	29.506	35.155	4.75	22.026	.174
40.	29.435	35.295	5.05	22.156	.232
50.	29.220	35.319	4.67	22.248	.289
60.	29.095	35.319	4.82	22.289	.345
70.	29.051	35.329	4.87	22.312	.400
80.	28.835	35.335	4.60	22.369	.456
90.	27.899	35.345	4.04	22.405	.509
100.	27.638	35.378	3.81	22.815	.560
110.	27.338	35.381	3.43	22.915	.611
120.	27.151	35.423	3.70	23.006	.661
130.	25.834	35.160	3.22	23.224	.709
140.	24.231	35.048	3.72	23.527	.754
150.	22.089	35.262	2.68	24.409	.794
160.	19.977	35.260	2.83	24.983	.825
170.	18.750	35.219	2.87	25.269	.855
180.	17.744	35.124	2.91	25.447	.881
190.	16.507	35.094	2.99	25.719	.907
200.	16.189	35.083	2.89	25.784	.930
250.	13.533	35.005	2.85	25.806	1.033
300.	11.823	34.823	2.23	25.503	1.116
350.	11.080	34.787	1.70	25.514	1.195
400.	9.475	34.684	1.41	25.813	1.265
450.	8.911	34.652	1.69	26.880	1.330
500.	8.005	34.602	1.92	26.981	1.391
508.	7.931	34.600	1.98	26.990	

CAST EP3-82-DI-010 DATE 19 MAY 82 TIME 1935 GMT
LAT 00 00.0N LONG 174 59.8E

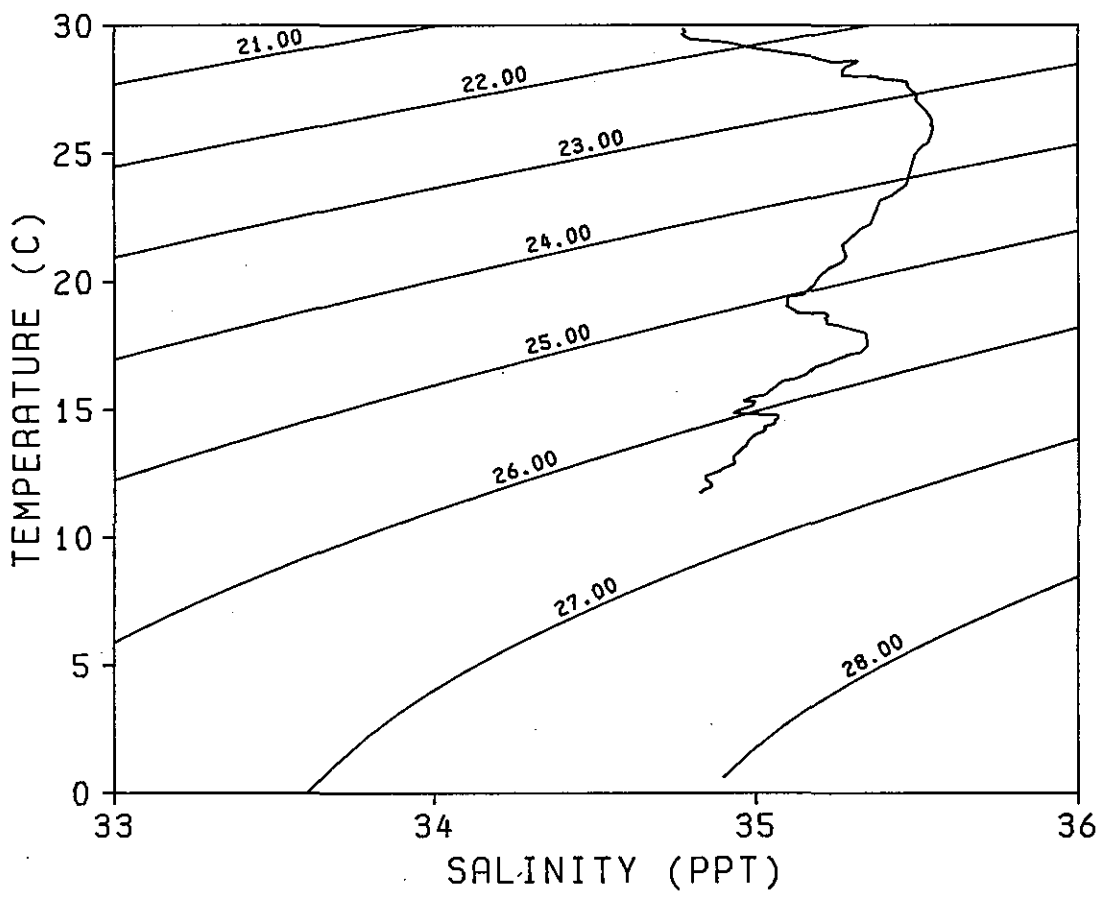


CAST EP3-82-DI-010 DATE 19 MAY 82 TIME 1935 GMT
 LAT 00 00.0N LONG 174 59.8E WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 140 T SPD 20 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 29.6 WET 25.0 DEPTH 4891 M

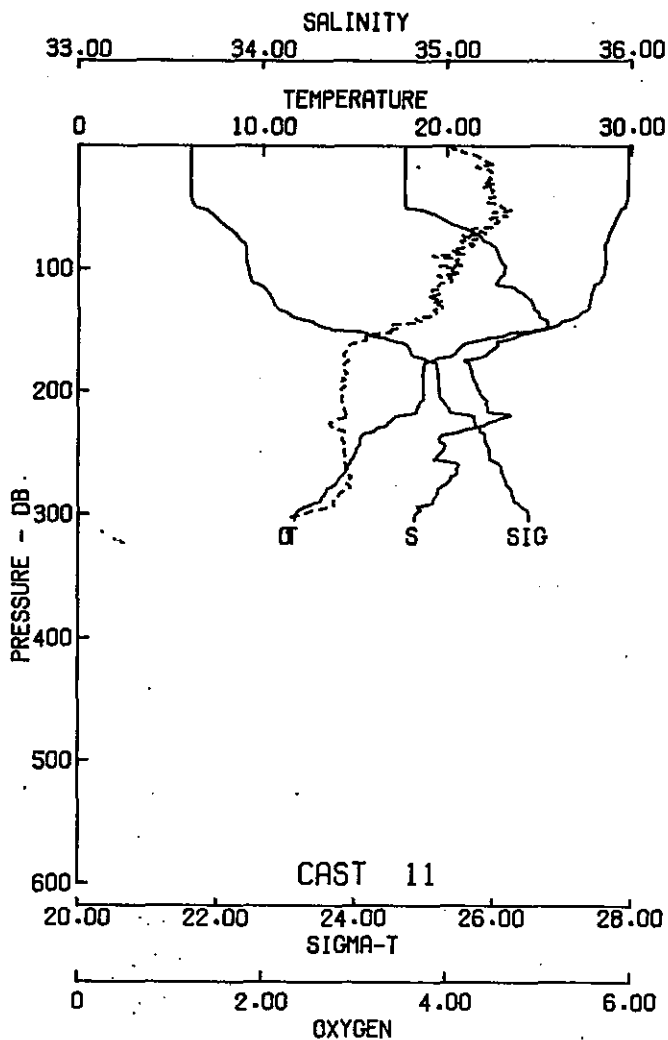


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.838	34.770	4.26	21.626	0.000
10.	29.843	34.770	4.36	21.625	.062
20.	29.849	34.772	4.48	21.624	.124
30.	29.847	34.772	4.11	21.625	.186
40.	29.845	34.773	4.32	21.626	.248
50.	29.770	34.773	4.45	21.650	.310
60.	29.249	34.951	4.63	21.952	.370
70.	28.918	34.893	4.37	22.179	.428
80.	28.664	34.520	4.25	22.346	.484
90.	28.610	34.271	4.14	22.416	.539
100.	28.627	34.312	4.11	22.441	.594
110.	28.457	34.296	4.05	22.485	.648
120.	28.015	34.322	3.61	22.658	.702
130.	27.800	34.452	3.91	22.818	.753
140.	27.156	34.492	3.62	23.056	.803
150.	25.961	34.524	3.37	23.459	.850
160.	23.294	34.399	3.01	24.169	.892
170.	20.756	34.266	2.89	24.779	.927
180.	19.496	34.137	2.91	25.015	.959
190.	18.791	34.149	2.94	25.205	.987
200.	18.722	34.151	2.91	25.224	1.016
250.	15.151	34.995	2.88	25.952	1.142
300.	12.629	34.889	2.77	26.399	1.239
350.	10.928	34.778	1.95	26.634	1.317
400.	10.127	34.728	1.41	26.736	1.389
450.	8.795	34.647	2.06	26.894	1.456
500.	8.069	34.604	2.20	26.973	1.456
505.	7.941	34.598	2.18	26.987	1.516

CAST EP3-82-DI-011 DATE 19 MAY 82 TIME 2102 GMT
LAT 00 00.0N LONG 174 59.8E

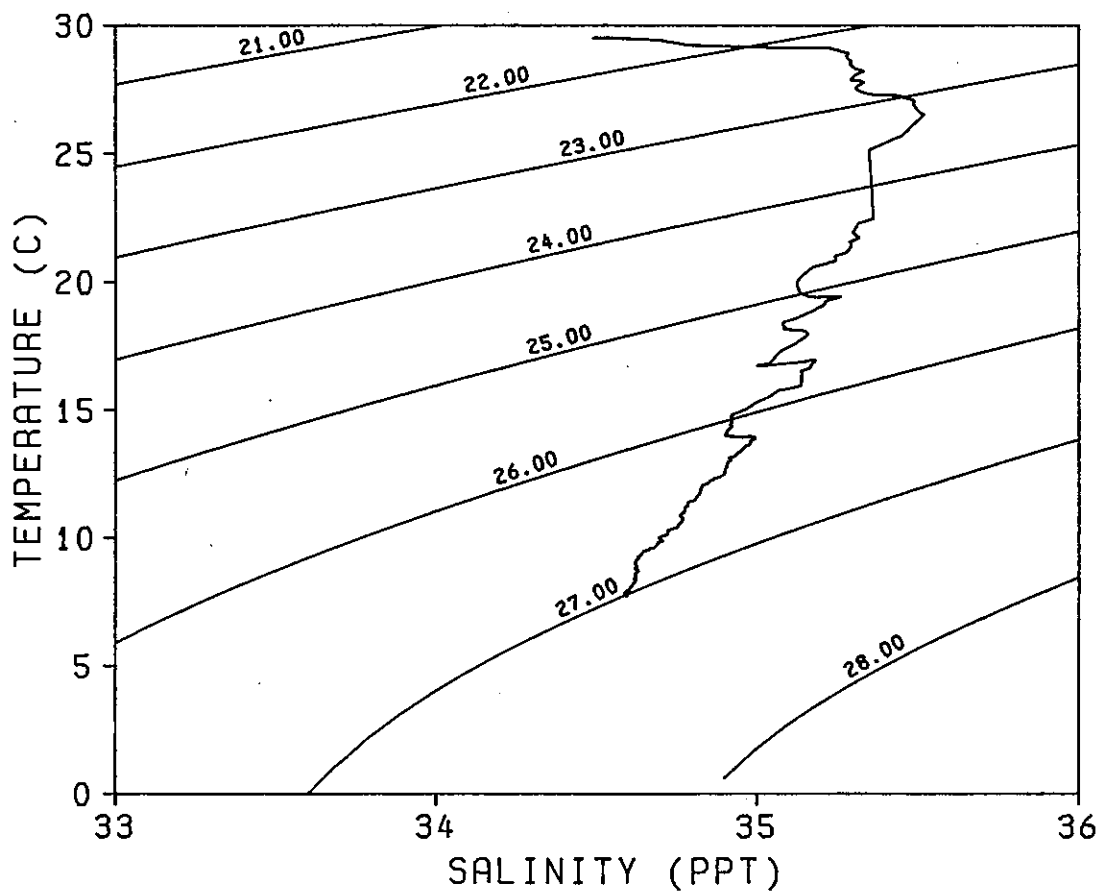


CAST EP3-82-DI-011 DATE 19 MAY 82 TIME 2102 GMT
 LAT 00 00.0N LONG 174 59.8E WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 140 T SPD 20 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 29.6 WET 25.0 DEPTH 4891 M

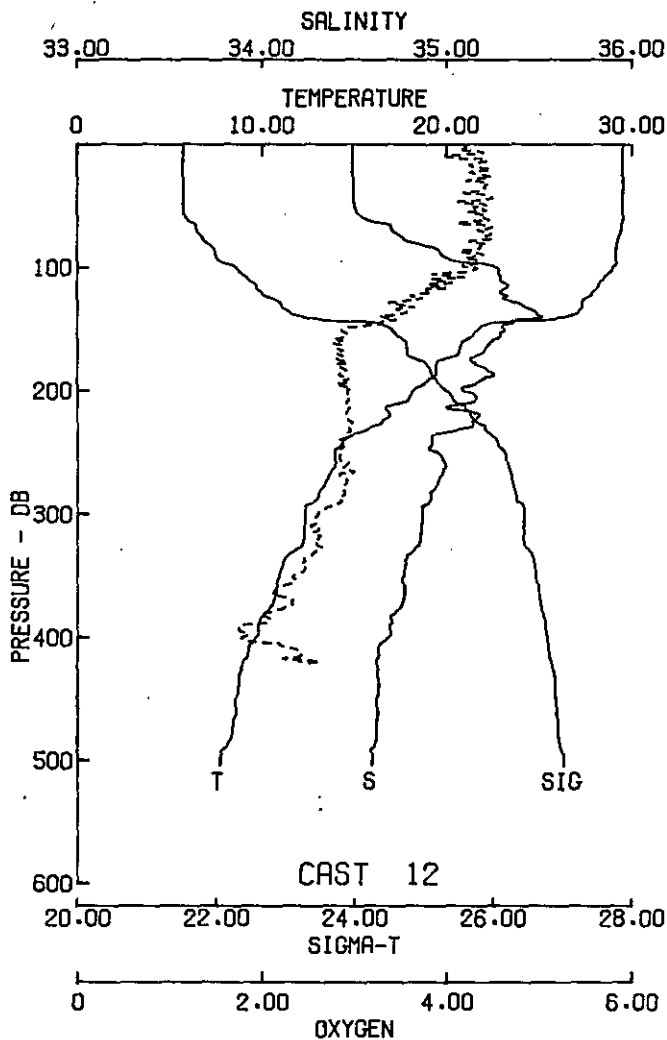


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.841	34.773	4.05	21.627	0.000
10.	29.842	34.772	4.38	21.626	.062
20.	29.841	34.773	4.47	21.627	.124
30.	29.835	34.774	4.43	21.630	.186
40.	29.823	34.775	4.54	21.635	.248
50.	29.623	34.771	4.59	21.700	.310
60.	29.131	34.978	4.49	22.022	.369
70.	28.836	34.137	4.38	22.239	.426
80.	28.550	34.240	4.29	22.412	.482
90.	28.605	34.285	3.84	22.428	.537
100.	28.557	34.314	4.11	22.465	.591
110.	28.358	34.280	4.05	22.505	.645
120.	27.743	34.415	3.85	22.765	.698
130.	27.743	34.472	3.92	22.852	.740
140.	26.990	34.501	3.67	23.116	.798
150.	25.291	34.517	3.40	23.661	.844
160.	21.409	34.268	3.06	24.603	.881
170.	20.454	34.221	2.88	24.827	.914
180.	18.761	34.5128	2.90	25.197	.944
190.	18.735	34.5148	2.88	25.218	.972
200.	18.771	34.5182	2.87	25.235	1.000
250.	15.072	34.976	2.89	25.954	1.122
300.	11.751	34.831	2.44	26.515	1.216
305.	11.720	34.824	2.27	26.524	

CAST EP3-82-DI-012 DATE 20 MAY 82 TIME 1940 GMT
LAT 0 00.2S LONG 170 00.5E

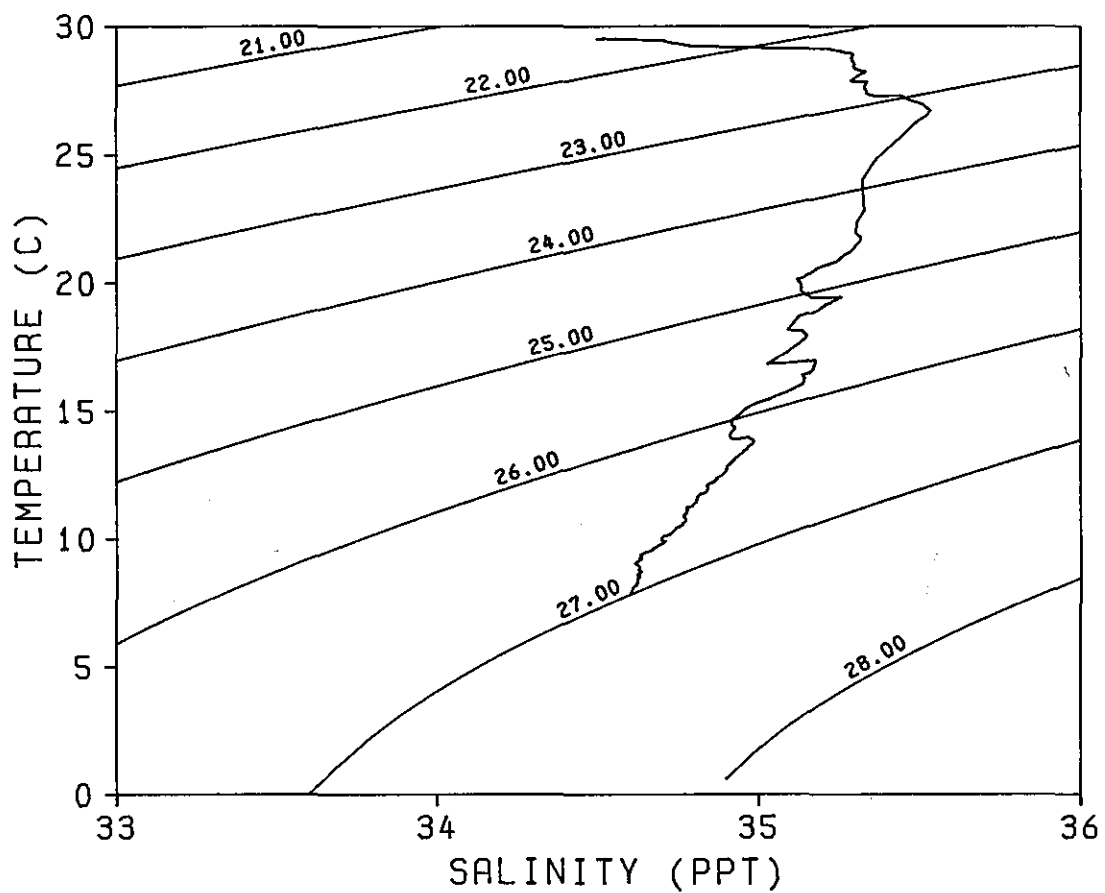


CAST EP3-82-DI-012 DATE 20 MAY 82 TIME 1940 GMT
 LAT 0 00.2S LONG 170 00.5E WEATHER 1 SEA STATE 2
 BAROMETER 10 WIND DIR 110 T SPD 95 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 29.6 WET 25.1 DEPTH 4401 M

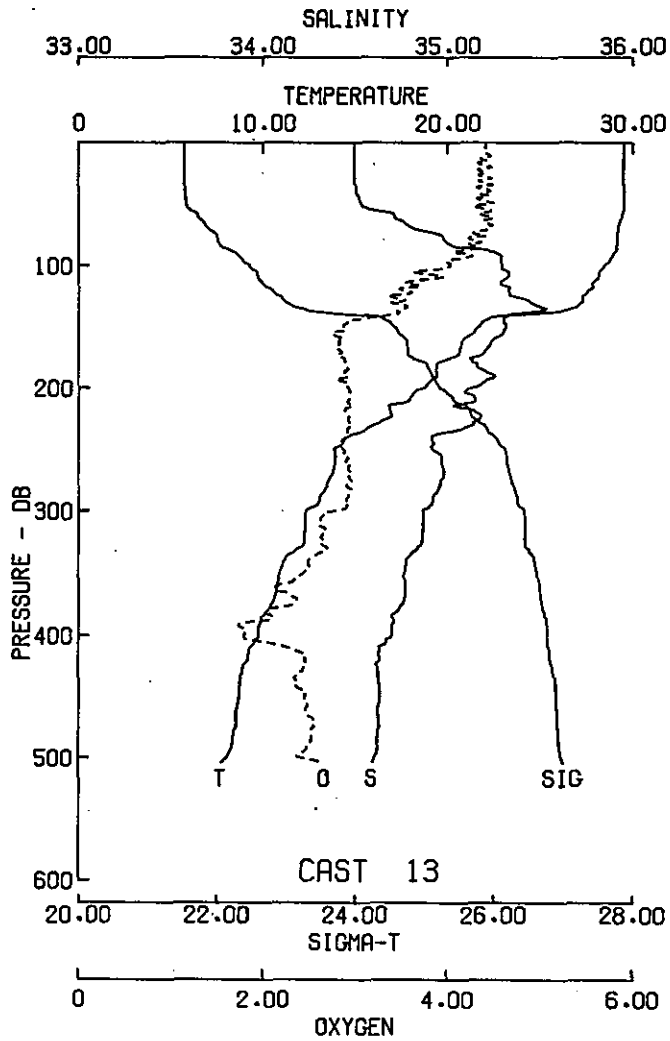


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.502	34.490	4.20	21.531	0.000
10.	29.499	34.492	4.03	21.533	.063
20.	29.507	34.493	4.48	21.531	.126
30.	29.506	34.494	4.32	21.532	.189
40.	29.512	34.498	4.51	21.533	.252
50.	29.518	34.504	4.43	21.536	.314
60.	29.498	34.554	4.40	21.580	.377
70.	29.406	34.704	4.33	21.723	.439
80.	29.207	34.825	4.26	21.881	.500
90.	29.157	34.975	4.40	22.010	.559
100.	28.961	35.265	4.24	22.294	.616
110.	28.454	35.290	3.84	22.482	.671
120.	27.849	35.288	3.84	22.678	.724
130.	27.280	35.395	3.45	22.943	.775
140.	26.516	35.519	3.32	23.280	.824
150.	21.748	35.310	3.89	24.541	.863
160.	20.827	35.244	3.80	24.744	.897
170.	20.612	35.190	3.80	24.761	.930
180.	19.403	35.165	3.82	25.061	.961
190.	19.075	35.205	3.94	25.175	.990
200.	18.148	35.081	3.91	25.315	1.018
250.	13.922	34.946	3.84	25.178	1.133
300.	12.298	34.865	3.61	25.445	1.224
350.	10.945	34.771	3.54	25.625	1.304
400.	9.586	34.678	3.54	26.790	1.376
450.	8.578	34.618	3.54	26.905	1.440
500.	7.703	34.594	3.54	27.019	1.500
504.	7.686	34.592	3.54	27.020	

CAST EP3-82-DI-013 DATE 20 MAY 82 TIME 2057 GMT
LAT 0 00.1S LONG 170 00.0E

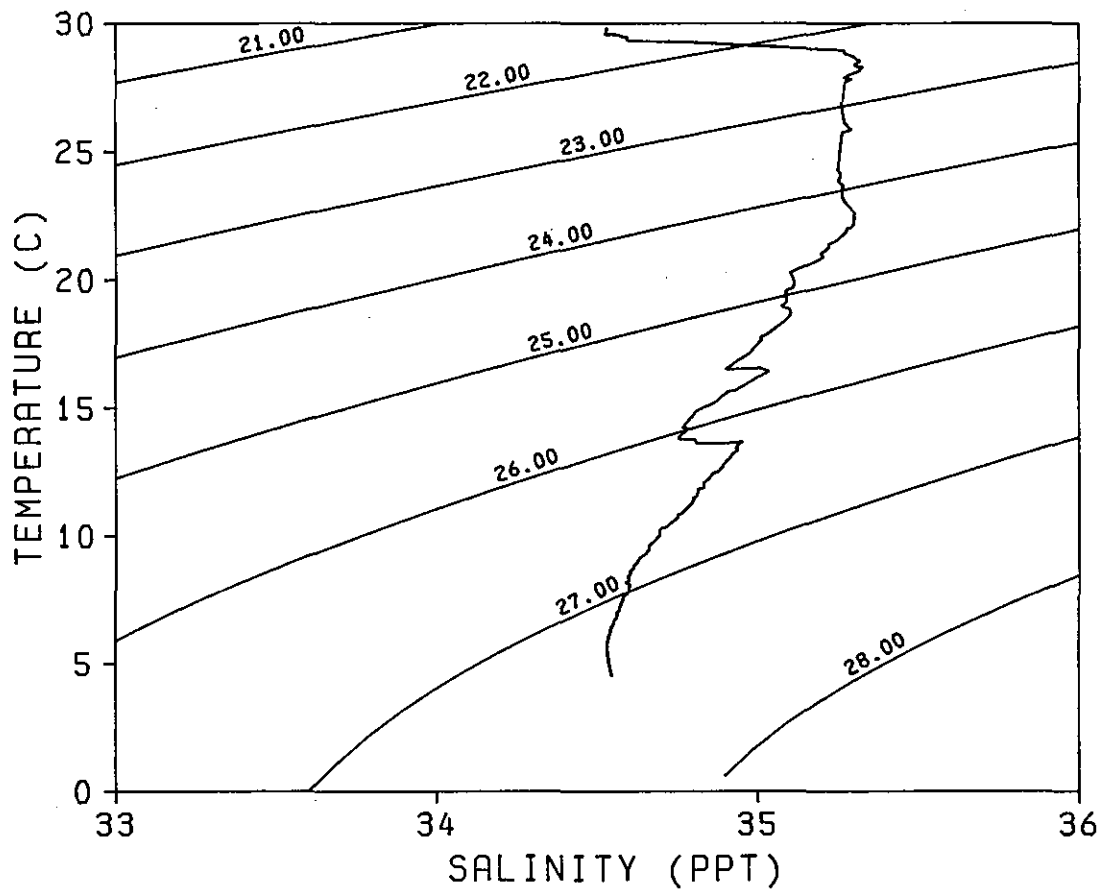


CAST EP3-82-DI-013 DATE 20 MAY 82 TIME 2057 GMT
 LAT 0 00.1S LONG 170 00.0E WEATHER 1 SEA STATE 2
 BAROMETER 10 WIND DIR 110 T SPD 05 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 29.6 WET 25.1 DEPTH 4401 M

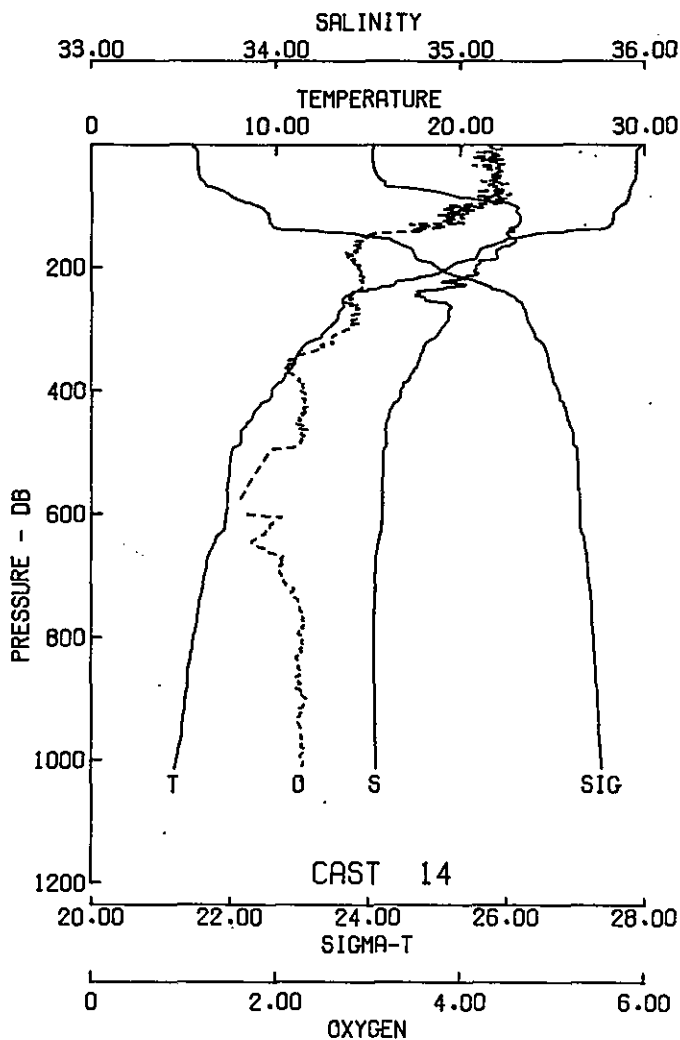


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.505	34.496	4.41	21.534	0.000
10.	29.503	34.496	4.45	21.535	.367
20.	29.506	34.497	4.48	21.534	.122
30.	29.509	34.498	4.39	21.534	.122
40.	29.510	34.502	4.44	21.537	.251
50.	29.509	34.533	4.41	21.560	.314
60.	29.402	34.712	4.48	21.731	.372
70.	29.205	34.825	4.41	21.882	.437
80.	29.150	34.990	4.34	22.024	.495
90.	28.965	35.269	4.17	22.226	.553
100.	28.463	35.295	4.03	22.482	.608
110.	28.146	35.321	3.89	22.606	.661
120.	27.569	35.328	3.51	22.800	.713
130.	27.231	35.450	3.38	23.000	.764
140.	24.082	35.323	3.38	23.933	.810
150.	21.691	35.320	2.87	24.564	.846
160.	20.864	35.248	2.86	24.737	.880
170.	20.645	35.202	2.86	24.761	.912
180.	19.462	35.162	2.91	25.043	.944
190.	19.440	35.260	2.91	25.123	.973
200.	18.674	35.125	2.92	25.216	1.002
250.	13.880	34.921	2.87	26.168	1.119
300.	12.315	34.868	2.76	26.444	1.211
350.	10.928	34.768	2.44	26.526	1.291
400.	9.778	34.698	1.80	26.773	1.363
450.	8.689	34.633	2.44	26.899	1.428
500.	8.032	34.605	2.43	26.974	1.489
504.	7.764	34.596	2.68	27.012	

CAST EP3-82-DI-014 DATE 21 MAY 82 TIME 0036 GMT
LAT 00 32.7N LONG 170 01.7E



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CAST EP3-R2-DI-014 DATE 21 MAY 82 TIME 0036 GMT
 LAT 00 32.7N LONG 170 01.7E WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 105 T SPD 06 KT VISIBILITY 7
 CLOUD 9 AMOUNT 5 DRY 31.8 WET 26.3 DEPTH 4314 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.789	34.529	4.31	21.462	0.000
10.	29.584	34.524	4.34	21.528	.063
20.	29.550	34.525	4.14	21.557	.126
30.	29.555	34.527	4.43	21.541	.189
40.	29.559	34.535	4.30	21.545	.252
50.	29.552	34.551	4.42	21.560	.314
60.	29.435	34.595	4.23	21.631	.377
70.	29.278	34.722	4.43	21.780	.439
80.	29.156	34.929	4.55	21.977	.498
90.	29.051	35.096	4.28	22.137	.557
100.	28.662	35.301	3.92	22.421	.613
110.	28.330	35.306	3.85	22.534	.667
120.	28.278	35.323	4.01	22.564	.720
130.	28.161	35.315	3.45	22.597	.773
140.	28.100	35.272	3.61	22.626	.826
150.	28.391	35.262	3.97	22.637	.868
160.	22.097	35.297	3.89	24.434	.905
170.	21.163	35.212	3.83	24.628	.940
180.	20.943	35.197	3.87	24.677	.973
190.	20.251	35.100	3.89	24.789	1.007
200.	19.388	35.084	3.89	25.003	1.037
250.	13.618	34.806	3.83	25.135	1.161
300.	12.779	34.894	3.78	25.572	1.253
350.	11.052	34.778	3.14	26.511	1.333
400.	9.780	34.678	3.27	26.757	1.406
450.	8.530	34.601	3.22	26.899	1.472
500.	7.614	34.584	3.93	27.025	1.531
550.	7.422	34.579	1.72	27.048	1.587
600.	7.290	34.575	1.65	27.064	1.643
650.	6.632	34.551	1.79	27.136	1.696
700.	6.149	34.540	2.07	27.192	1.747
750.	5.796	34.533	2.25	27.230	1.795
800.	5.514	34.533	2.25	27.265	1.841
850.	5.262	34.534	2.25	27.296	1.887
900.	5.055	34.535	2.33	27.322	1.930
950.	4.903	34.539	2.27	27.343	1.973
1000.	4.610	34.544	2.30	27.380	2.015
1014.	4.523	34.546	2.27	27.391	

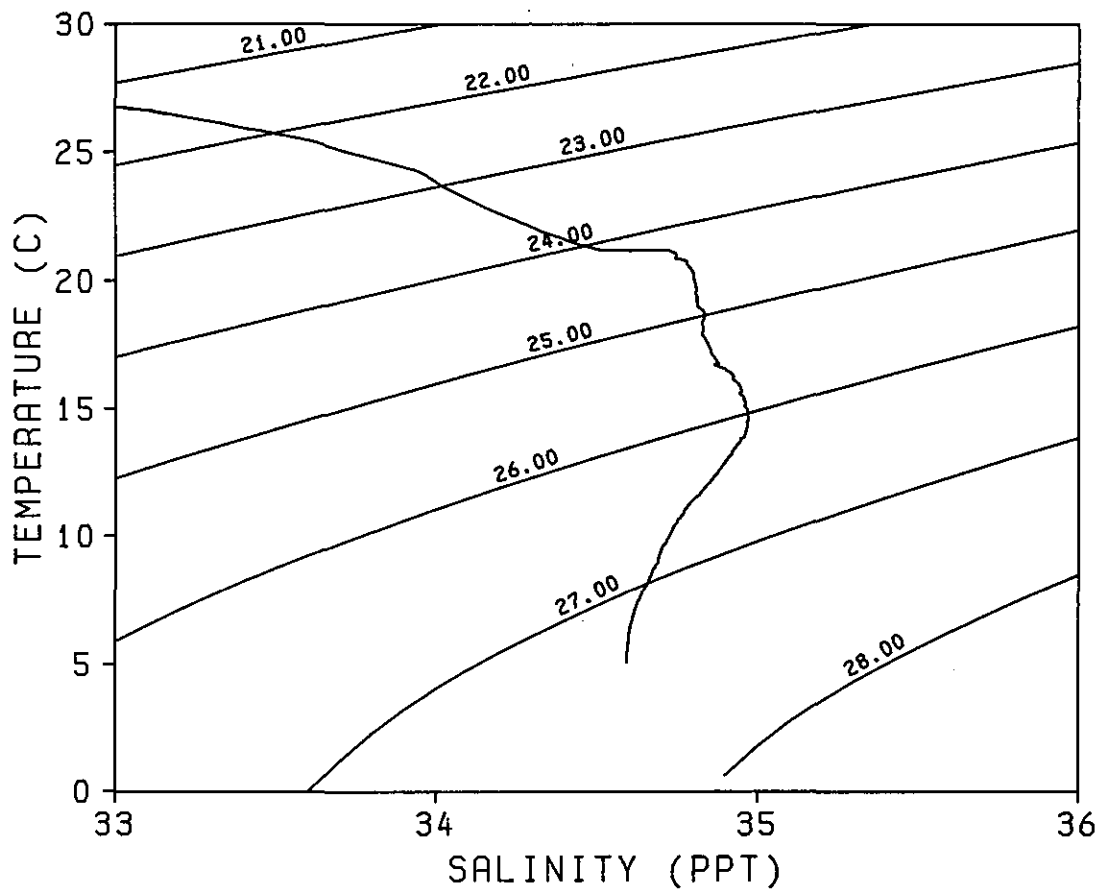
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EP4-82-RS

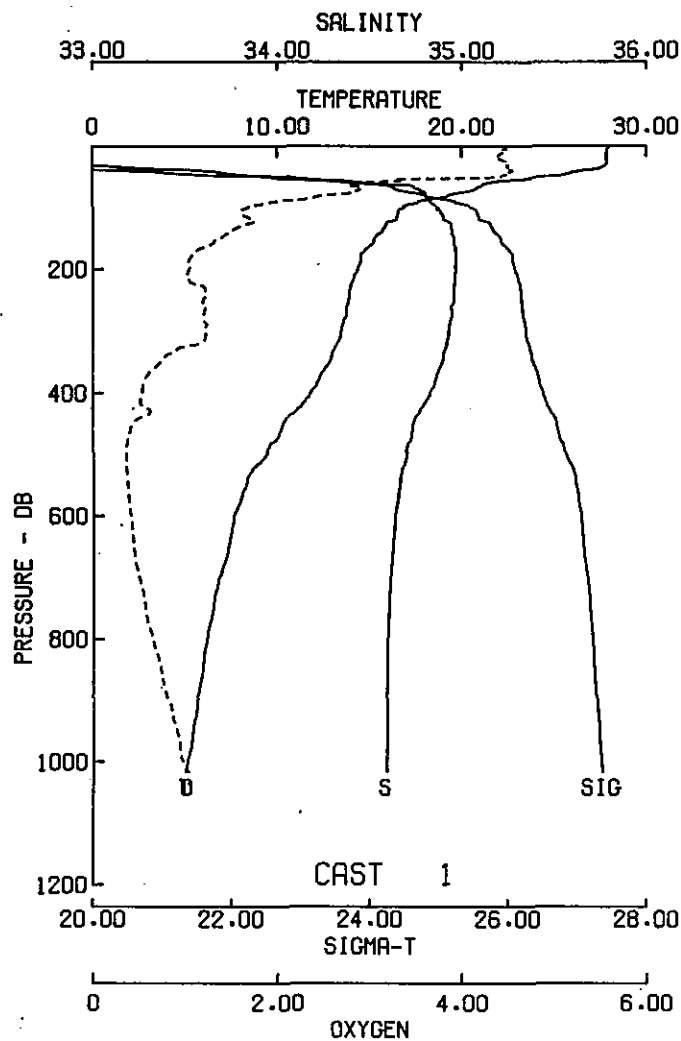
18 October - 16 November 1982

NBIS CTD/O₂ Data Summary

CAST EP4-82-RS-001 DATE 19 OCT 82 TIME 1531 GMT
LAT 06 44.0N LONG 083 06.0W

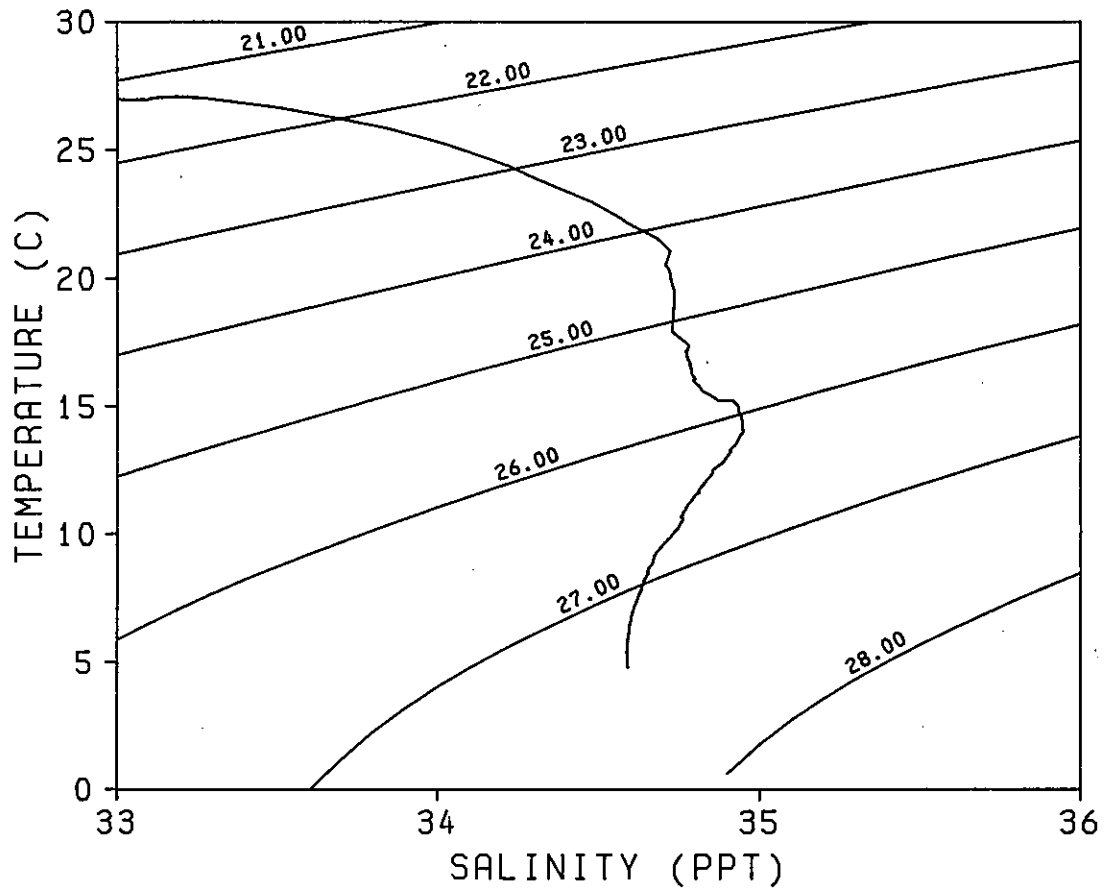


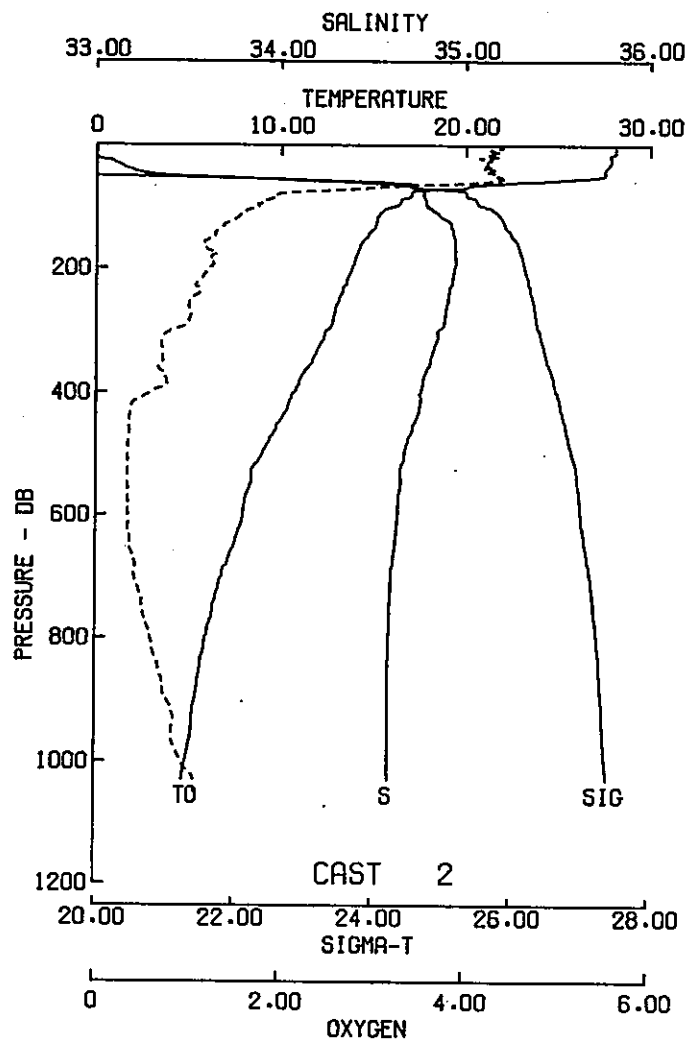
CAST FP4-82-RS-001 DATE 14 OCT 82 TIME 1531 GMT
 LAT 44.00N LONG 183 06.00W W FATHER 1 SFA STAFF 1
 BAROMETFP 11 WIND DIR 360 T SPD 06 KT VISIBILITY 7
 CLOUD 9 AMOUNT 3 DRY 27.2 WFT 25.0 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-CM)
0.	28.138	36.664	4.53	19.117	0.000
4.	27.979	36.683	4.45	19.182	
10.	27.845	36.704	4.46	19.242	.685
20.	27.843	36.830	4.38	19.336	.170
30.	27.819	31.432	4.51	19.795	.253
40.	26.769	33.000	4.54	21.306	.327
50.	25.003	33.714	4.43	22.389	.387
60.	21.644	34.388	4.54	23.671	.474
70.	20.840	34.742	3.92	24.259	.472
80.	19.521	34.804	2.55	24.755	.506
90.	17.872	34.824	2.20	25.185	.537
100.	16.900	34.865	1.70	25.451	.564
110.	16.538	34.887	1.61	25.554	.580
120.	16.442	34.900	1.71	25.584	.613
130.	15.875	34.942	1.63	25.748	.637
140.	15.677	34.948	1.49	25.798	.659
150.	15.295	34.956	1.38	25.890	.681
160.	15.151	34.961	1.30	25.926	.703
170.	14.744	34.968	1.14	26.020	.724
180.	14.543	34.969	1.07	26.064	.744
190.	14.483	34.968	1.03	26.077	.764
200.	14.374	34.965	1.05	26.099	.784
250.	13.882	34.957	1.20	26.195	.880
300.	13.473	34.930	1.23	26.260	.974
350.	12.874	34.897	.75	26.356	1.065
400.	11.825	34.830	.54	26.508	1.150
450.	10.326	34.738	.44	26.710	1.227
500.	9.419	34.700	.36	26.835	1.297
550.	8.295	34.662	.37	26.984	1.358
600.	7.636	34.637	.41	27.053	1.416
650.	7.371	34.628	.44	27.094	1.471
700.	6.859	34.614	.49	27.155	1.523
750.	6.517	34.606	.57	27.195	1.574
800.	6.199	34.602	.65	27.233	1.622
850.	5.976	34.600	.74	27.261	1.670
900.	5.670	34.597	.82	27.297	1.716
950.	5.436	34.595	.91	27.324	1.760
1000.	5.150	34.595	.98	27.358	1.803
1018.	5.057	34.594	1.04	27.368	

CAST EP4-82-RS-002 DATE 20 OCT 82 TIME 0143 GMT
LAT 06 26.5N LONG 085 05.0W

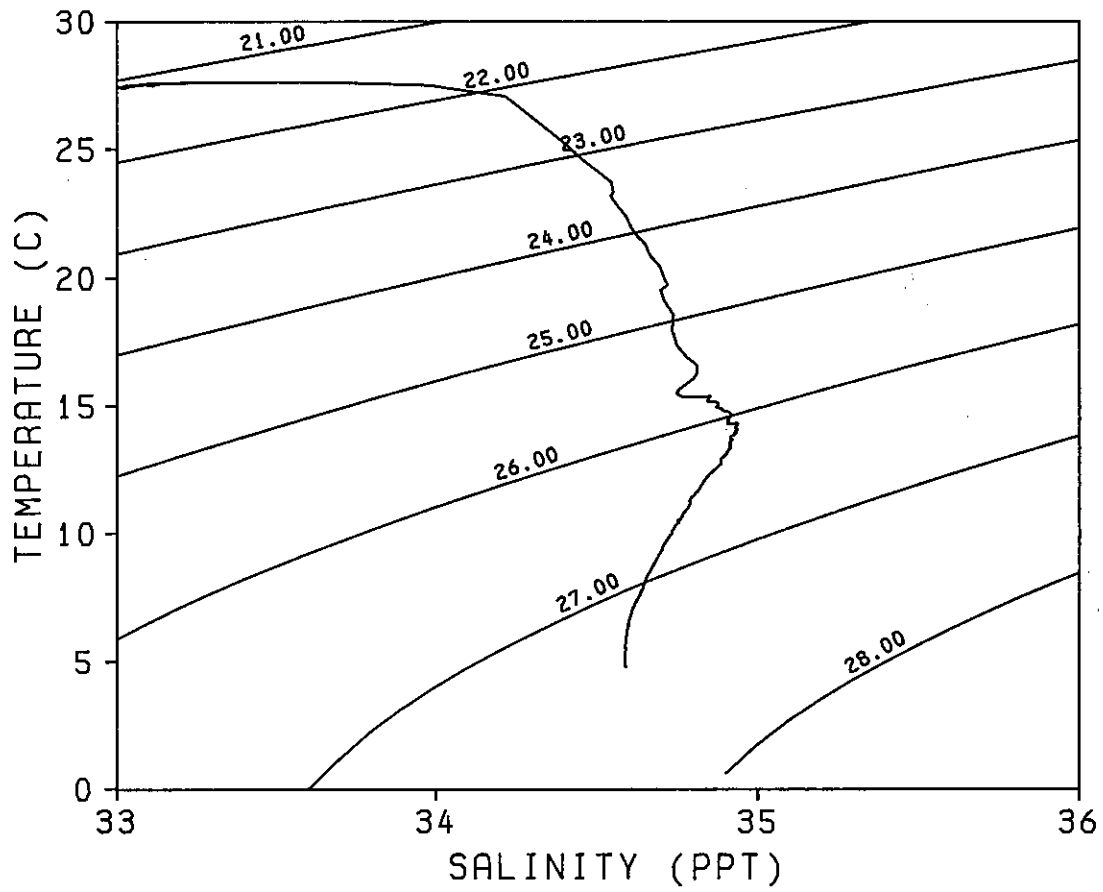




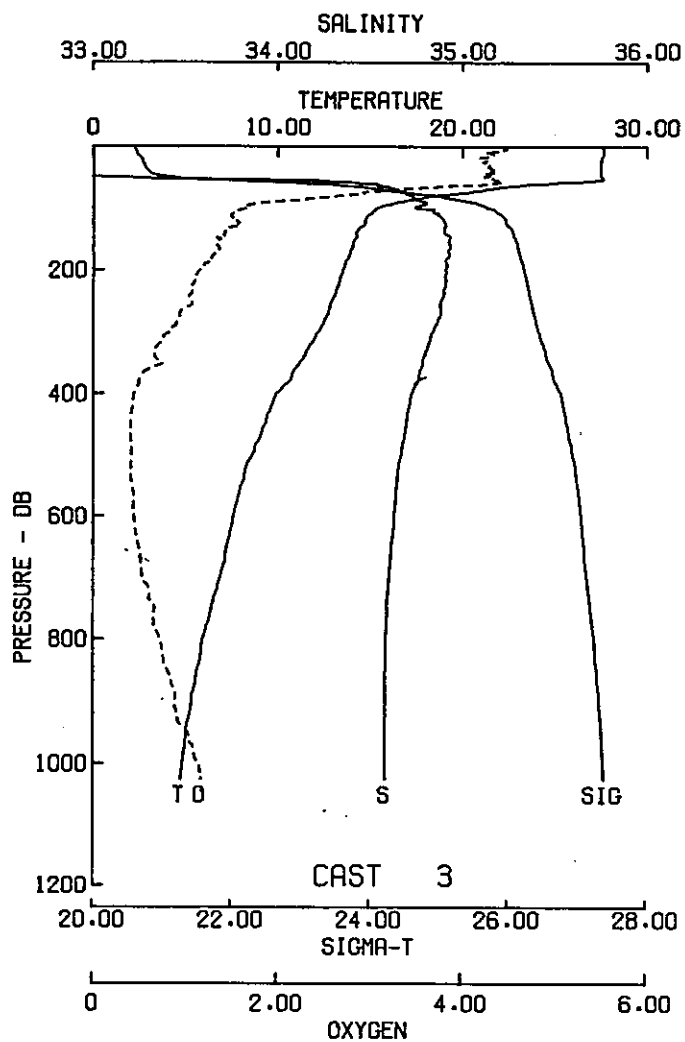
CAST EP4-82-RS-002 DATE 20 OCT 82 TIME 0143 GMT
 LAT 06 26.5N LONG 085 05.0W WFAEHR 1 SEA STATE 1
 BAROMETER 6 WIND DIR 290 T SPD 07 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 DRY 25.3 WET 24.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-CM)
0.	28.082	34.344	4.48	19.644	0.000
4.	28.095	34.379	4.37	19.665	
10.	28.098	34.426	4.30	19.701	.081
20.	27.829	34.673	4.34	19.972	.160
30.	27.829	34.079	4.25	20.274	.237
40.	27.538	34.204	4.26	20.464	.311
50.	27.509	34.742	4.34	20.877	.382
60.	27.962	34.301	4.26	23.161	.441
70.	28.053	34.723	3.01	24.554	.479
80.	17.671	34.771	2.64	25.359	.508
90.	16.525	34.783	1.88	25.476	.535
100.	16.263	34.786	1.76	25.539	.560
110.	15.456	34.836	1.63	25.762	.583
120.	15.197	34.879	1.53	25.853	.606
130.	15.155	34.921	1.39	25.894	.627
140.	14.909	34.935	1.32	25.958	.646
150.	14.760	34.939	1.27	26.007	.669
160.	14.377	34.944	1.18	26.081	.689
170.	14.229	34.945	1.20	26.113	.706
180.	14.099	34.944	1.26	26.146	.725
190.	14.002	34.948	1.27	26.163	.748
200.	13.858	34.939	1.24	26.187	.767
250.	13.173	34.907	1.03	26.304	.859
300.	12.508	34.853	.82	26.395	.947
350.	11.742	34.813	.73	26.511	1.031
400.	10.805	34.761	.62	26.643	1.108
450.	9.899	34.726	.36	26.774	1.180
500.	9.019	34.674	.35	26.879	1.246
550.	8.401	34.654	.35	26.961	1.308
600.	8.004	34.639	.36	27.019	1.367
650.	7.537	34.624	.37	27.067	1.424
700.	6.876	34.605	.43	27.145	1.477
750.	6.387	34.597	.52	27.205	1.527
800.	5.994	34.593	.61	27.253	1.575
850.	5.714	34.590	.69	27.286	1.621
900.	5.459	34.590	.77	27.317	1.666
950.	5.269	34.591	.84	27.341	1.709
1000.	4.958	34.591	.95	27.377	1.751
1030.	4.782	34.594	1.08	27.400	

CAST EP4-82-RS-003 DATE 20 OCT 82 TIME 1249 GMT
LAT 06 09.0N LONG 087 04.0W

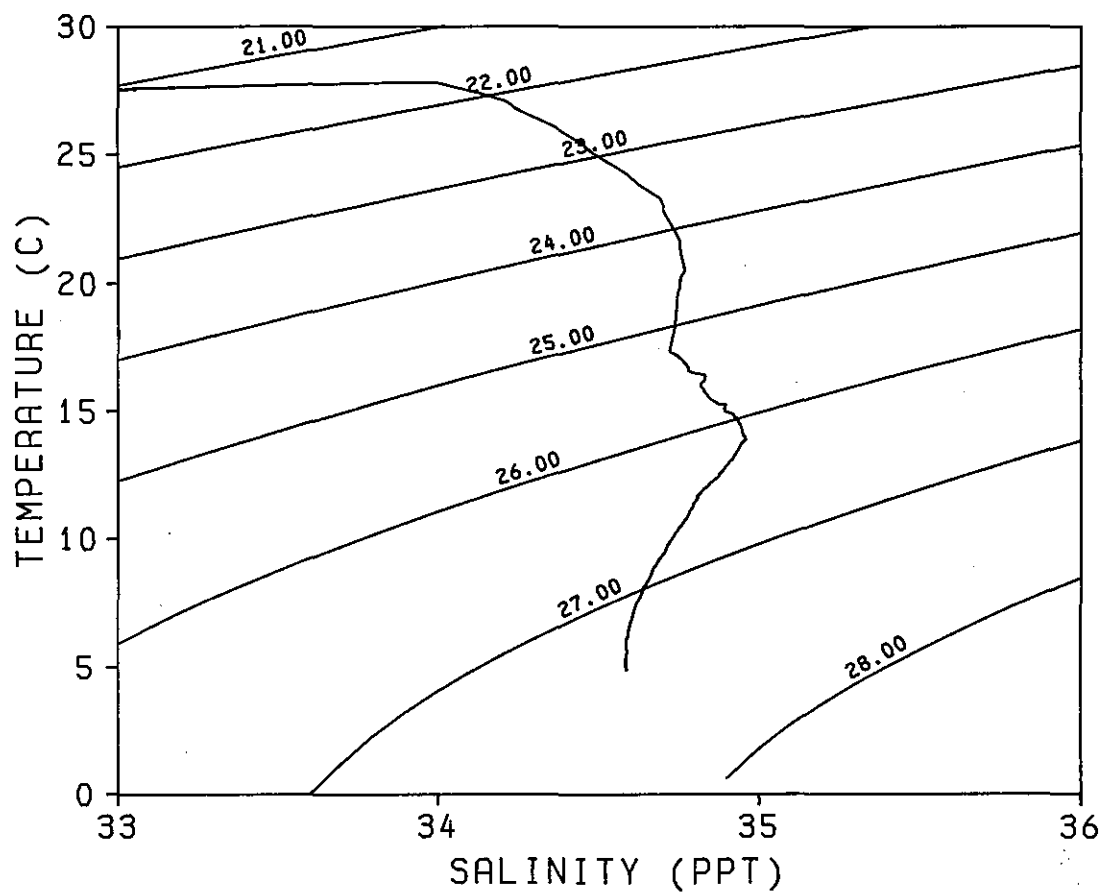


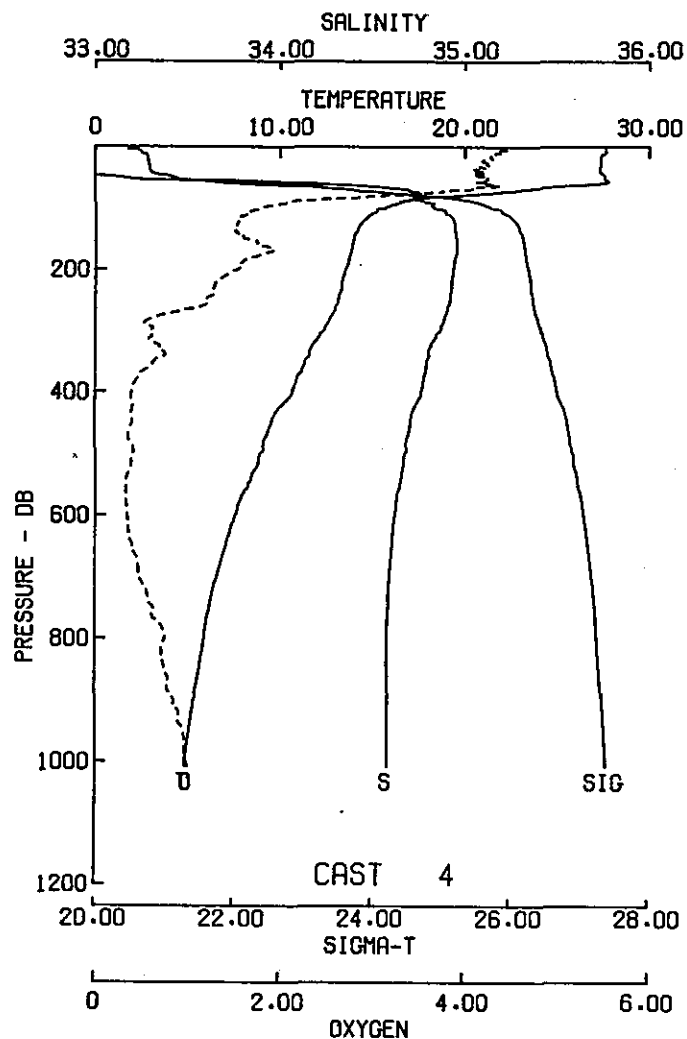
CAST EP4-82-RS-303 DATE 23 OCT 82 TIME 1249 GMT
 LAT 06 09.0N LONG 187 04.0W WEATHER 7 SEA STATE 1
 BAROMETER 14 WIND DIR 295.T SPD 06 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 25.9 WFT 24.6 RPTH 2460 M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.626	32.416	4.50	20.595	0.000
3.	27.630	32.439	4.45	20.611	
10.	27.643	32.485	4.25	20.641	.072
20.	27.550	32.543	4.20	20.715	.143
30.	27.501	32.571	4.26	20.751	.213
40.	27.503	32.641	4.31	20.803	.283
50.	27.584	33.104	4.24	21.124	.353
60.	24.884	34.426	4.34	22.962	.412
70.	21.717	34.648	3.28	24.158	.459
80.	18.535	34.736	2.75	24.954	.497
90.	16.814	34.779	2.01	25.406	.518
100.	15.452	34.744	1.65	25.592	.540
110.	15.004	34.876	1.52	25.693	.563
120.	14.763	34.901	1.58	25.795	.586
130.	14.540	34.909	1.56	25.819	.609
140.	14.284	34.906	1.43	26.071	.627
150.	14.197	34.930	1.39	26.108	.646
160.	14.067	34.935	1.35	26.136	.666
170.	13.967	34.924	1.35	26.153	.685
180.	13.849	34.923	1.29	26.177	.704
190.	13.678	34.920	1.22	26.209	.723
230.	13.554	34.909	1.18	26.227	.741
250.	12.976	34.888	1.08	26.329	.830
300.	12.255	34.844	.83	26.436	.913
350.	11.229	34.783	.77	26.583	.999
400.	9.946	34.731	.45	26.770	1.072
450.	9.360	34.701	.41	26.845	1.130
500.	8.681	34.671	.42	26.930	1.203
550.	8.059	34.647	.43	27.008	1.262
600.	7.641	34.635	.45	27.063	1.319
650.	7.283	34.619	.50	27.099	1.373
700.	6.939	34.607	.54	27.138	1.427
750.	6.457	34.596	.68	27.195	1.477
800.	5.987	34.590	.73	27.251	1.526
850.	5.670	34.587	.82	27.289	1.570
900.	5.379	34.588	.80	27.325	1.616
950.	5.083	34.585	1.03	27.358	1.659
1000.	4.786	34.587	1.14	27.382	1.700
1026.	4.788	34.589	1.18	27.396	

CAST EP4-82-RS-004 DATE 21 OCT 82 TIME 0020 GMT
LAT 05 51.8N LONG 089 03.1W

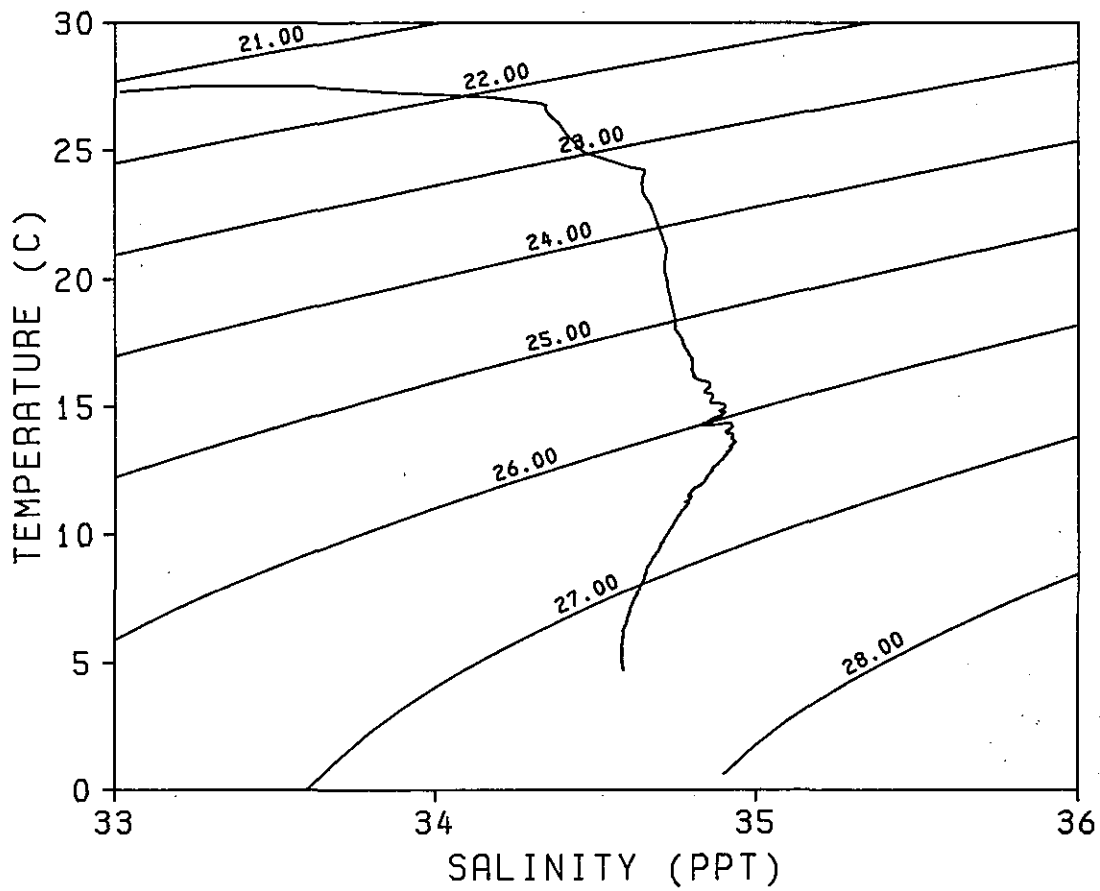




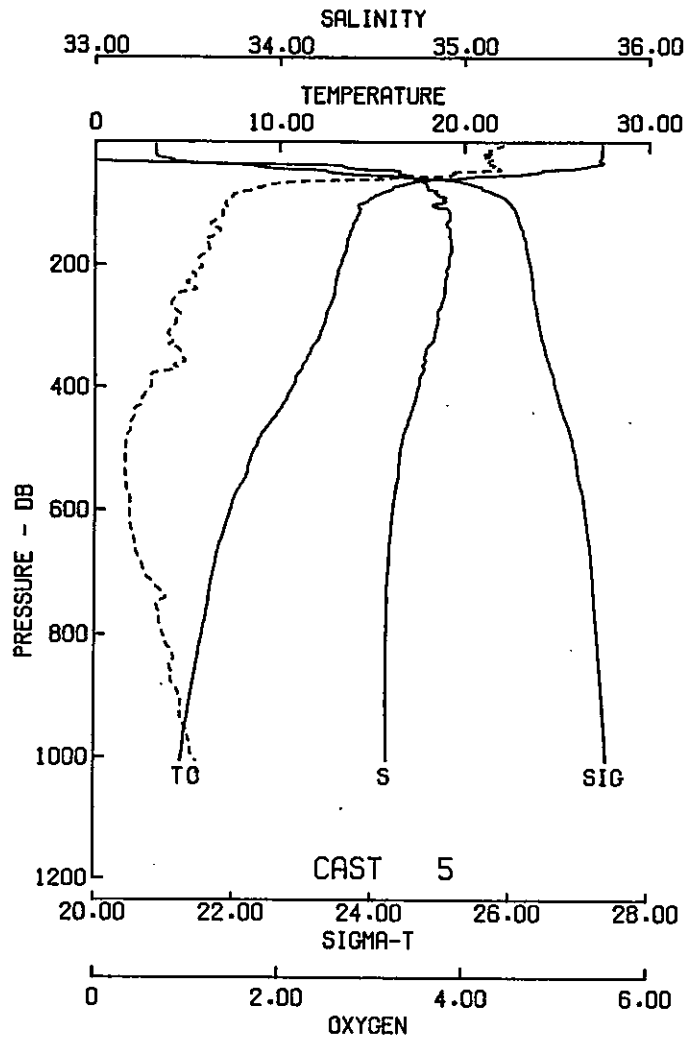
CAST EP4-82-RS-004 DATE 21 OCT 82 TIME 0200 GMT
 LAT 05 51.8N LONG 089 03.1W WEATHER 1 SEA STATE 3
 BAROMETER 08 WIND DIR 295 T SPD 06 KT VISIBILITY 7
 CLOUD X AMOUNT 0 DRY 27.0 WET 25.0 DEPTH 3327 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-S (DYN-M)
0.	27.627	31.810	4.67	20.140	0.000
5.	27.643	32.278	4.46	20.486	
10.	27.633	32.516	4.39	20.667	.077
20.	27.374	32.535	4.30	20.765	.143
30.	27.354	32.548	4.24	20.781	.214
40.	27.344	32.571	4.21	20.802	.284
50.	27.598	33.104	4.18	21.123	.357
60.	27.386	34.124	4.26	21.954	.417
70.	23.284	34.692	4.08	23.636	.467
80.	19.800	34.751	3.17	24.642	.509
90.	16.631	34.780	2.17	25.453	.534
100.	15.727	34.828	1.82	25.696	.558
110.	14.951	34.894	1.63	25.918	.581
120.	14.556	34.937	1.57	26.037	.601
130.	14.259	34.947	1.53	26.108	.623
140.	14.128	34.948	1.53	26.137	.640
150.	13.975	34.957	1.62	26.176	.659
160.	13.894	34.959	1.76	26.194	.678
170.	13.825	34.955	1.92	26.206	.697
180.	13.745	34.948	1.71	26.217	.716
190.	13.677	34.944	1.58	26.230	.734
200.	13.526	34.937	1.55	26.254	.753
250.	13.157	34.920	1.21	26.317	.843
300.	12.391	34.871	.60	26.431	.931
350.	11.370	34.796	.65	26.567	1.011
400.	10.680	34.768	.40	26.671	1.086
450.	9.558	34.709	.40	26.618	1.154
500.	8.936	34.678	.41	26.896	1.221
550.	8.274	34.648	.34	26.976	1.283
600.	7.606	34.624	.35	27.057	1.340
650.	7.094	34.608	.41	27.118	1.394
700.	6.605	34.596	.48	27.175	1.444
750.	6.196	34.591	.63	27.224	1.495
800.	5.918	34.584	.76	27.255	1.547
850.	5.674	34.584	.75	27.287	1.598
900.	5.349	34.583	.85	27.325	1.632
950.	5.103	34.583	.95	27.354	1.674
1000.	4.879	34.585	.99	27.382	1.716
1050.	4.859	34.586	1.01	27.384	

CAST EP4-82-RS-005 DATE 21 OCT 82 TIME 1201 GMT
LAT 05 34.0N LONG 091 35.9W



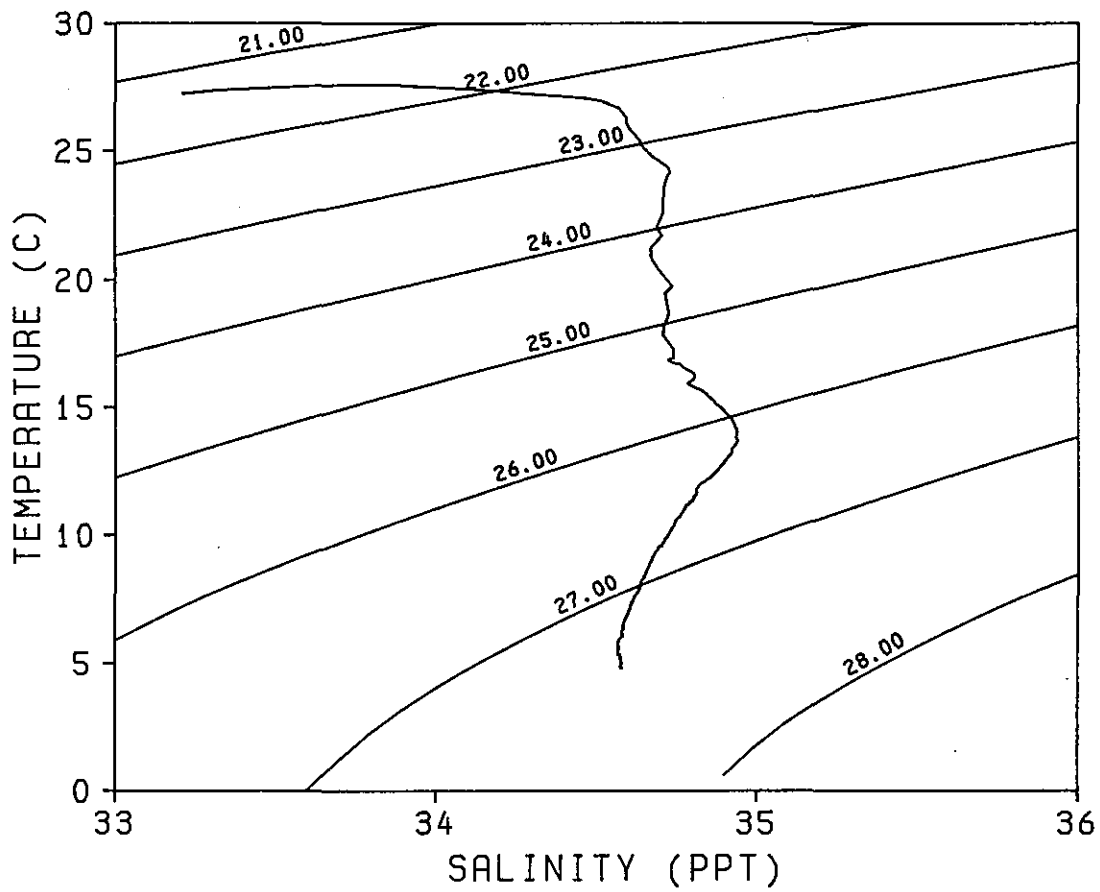
143



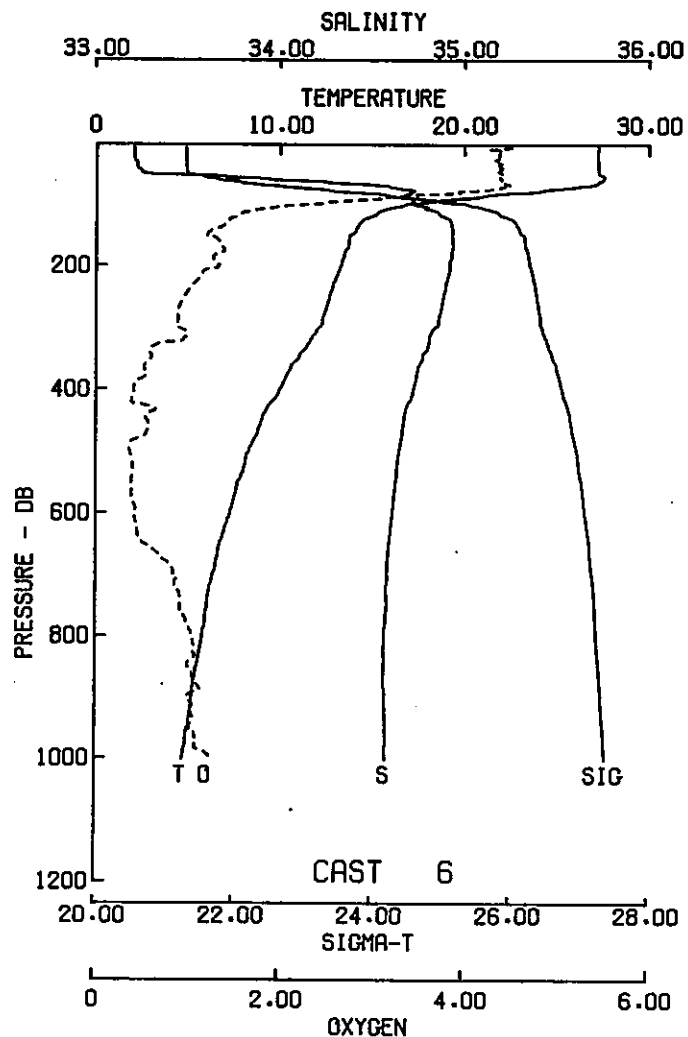
CAST EPA-R2-RS-005 DATE 21 OCT 82 TIME 12P1 GMT
 LAT 45 34.0N LONG 091 35.0W WEATHER 1 SEA STATE 5
 BAROMETER 00 WIND DIR 245 T SPD 09 KT VISIBILITY 7
 CLOUD 9 AMOUNT 6 DRY 26.2 WET 24.7 DEPTH 3590 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-M)
0.	27.428	32.718	4.42	20.885	0.000
5.	27.443	32.717	4.42	20.880	
10.	27.438	32.717	4.30	20.881	.069
20.	27.444	32.719	4.29	20.881	.138
30.	27.314	32.970	4.31	21.110	.207
40.	26.738	34.345	4.32	22.327	.269
50.	24.103	34.651	3.87	23.366	.320
60.	19.731	34.722	3.16	24.538	.359
70.	16.745	34.795	1.92	25.434	.268
80.	15.907	34.852	1.69	25.672	.412
90.	15.106	34.879	1.50	25.872	.435
100.	14.624	34.887	1.42	25.984	.456
110.	14.350	34.908	1.39	26.059	.476
120.	14.266	34.923	1.39	26.089	.496
130.	14.053	34.912	1.30	26.125	.515
140.	13.945	34.921	1.31	26.155	.535
150.	13.814	34.924	1.31	26.185	.555
160.	13.674	34.928	1.20	26.217	.572
170.	13.631	34.930	1.24	26.228	.591
180.	13.545	34.929	1.20	26.244	.609
190.	13.392	34.917	1.13	26.266	.627
200.	13.308	34.919	1.15	26.283	.645
250.	12.956	34.893	.88	26.337	.734
300.	12.365	34.853	.85	26.422	.820
350.	11.512	34.787	.95	26.534	.903
400.	10.718	34.755	.61	26.654	.980
450.	9.691	34.708	.42	26.795	1.051
500.	8.657	34.657	.33	26.923	1.115
550.	8.121	34.644	.34	26.996	1.175
600.	7.357	34.616	.38	27.086	1.231
650.	6.831	34.602	.44	27.149	1.284
700.	6.419	34.591	.54	27.196	1.334
750.	6.148	34.586	.67	27.228	1.362
800.	6.229	34.585	.75	27.266	1.422
850.	5.521	34.581	.82	27.303	1.474
900.	5.225	34.582	.92	27.339	1.517
950.	4.969	34.583	.98	27.370	1.559
1000.	4.722	34.586	1.07	27.405	1.600
1007.	4.689	34.587	1.11	27.405	

CAST EP4-82-RS-006 DATE 21 OCT 82 TIME 2333 GMT
LAT 05 16.5N LONG 093 00.8W

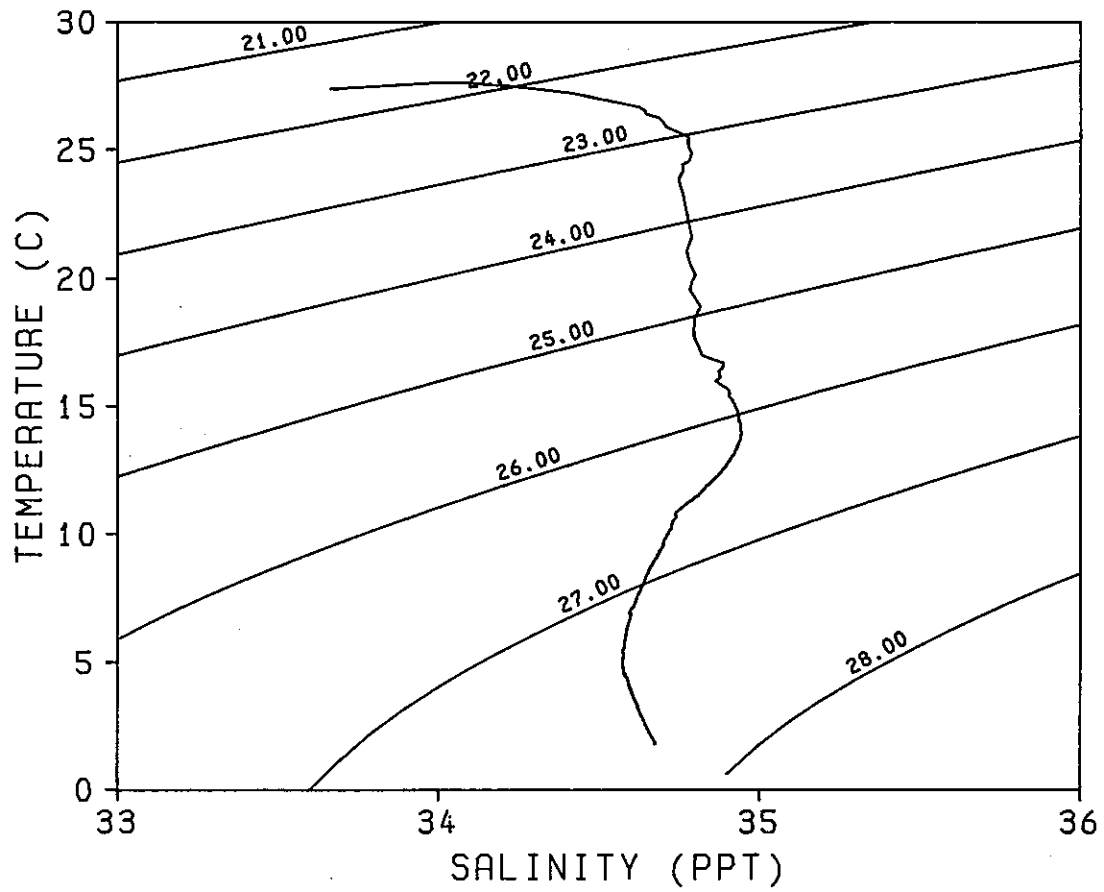


CAST EP4-82-RS-006 DATE 21 OCT 82 TIME 2333 GMT
 LAT 05 16.5N LONG 093 00.8W WEATHER 6 SEA STATE 5
 BAROMETER 98 WIND DIR 250 T SPD 10 KT VISIBILITY 8
 CLOUD X AMOUNT 9 DRY 24.5 WET 24.0 DEPTH 3534 M

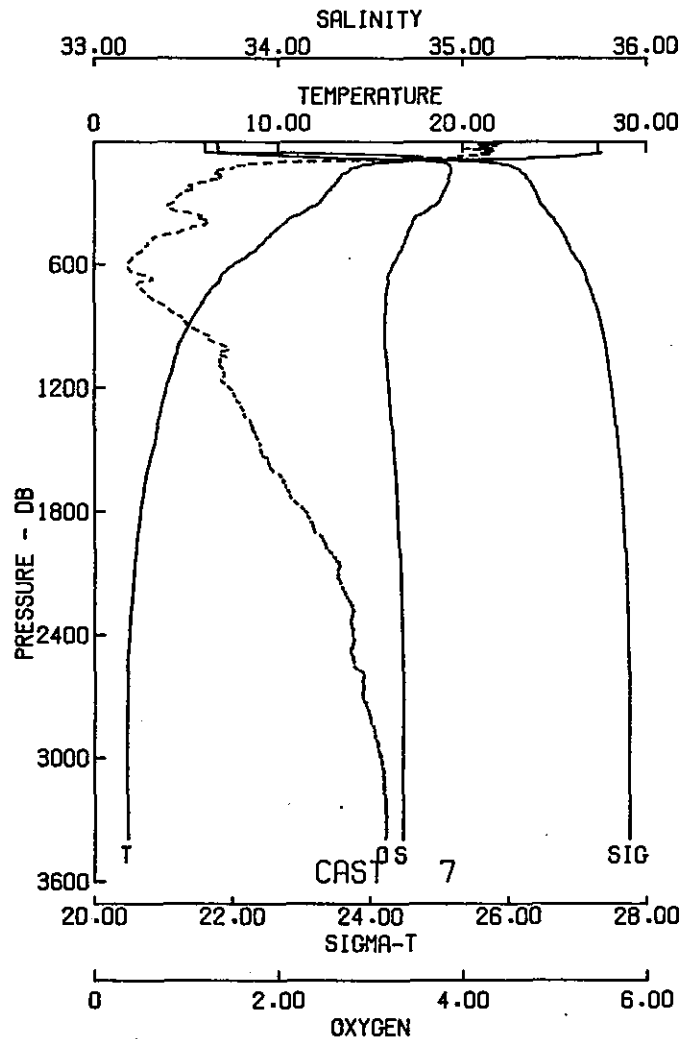


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.307	33.205	4.87	21.289	0.000
5.	27.261	33.210	4.51	21.308	
10.	27.246	33.210	4.37	21.312	.065
20.	27.242	33.213	4.35	21.316	.130
30.	27.263	33.226	4.37	21.319	.195
40.	27.273	33.230	4.41	21.320	.260
50.	27.384	33.322	4.38	21.352	.325
60.	27.457	34.642	4.40	21.870	.387
70.	26.076	34.597	4.41	22.725	.443
80.	22.587	34.709	3.95	23.850	.489
90.	19.460	34.716	3.03	24.703	.526
100.	16.684	34.742	2.24	25.408	.555
110.	15.459	34.846	1.72	25.768	.580
120.	14.846	34.898	1.52	25.944	.602
130.	14.349	34.929	1.42	26.075	.622
140.	14.140	34.936	1.31	26.125	.641
150.	13.818	34.933	1.22	26.191	.661
160.	13.752	34.938	1.35	26.208	.679
170.	13.697	34.939	1.38	26.220	.698
180.	13.513	34.931	1.34	26.253	.716
190.	13.407	34.925	1.28	26.270	.734
200.	13.327	34.922	1.35	26.283	.752
250.	12.696	34.886	.96	26.383	.840
300.	12.137	34.842	.91	26.458	.925
350.	11.037	34.775	.61	26.512	1.004
400.	10.063	34.726	.43	26.746	1.076
450.	9.085	34.675	.56	26.870	1.143
500.	8.364	34.650	.38	26.964	1.205
550.	7.761	34.630	.40	27.039	1.263
600.	7.337	34.612	.44	27.086	1.318
650.	6.793	34.596	.53	27.149	1.371
700.	6.425	34.585	.85	27.190	1.421
750.	6.108	34.586	.93	27.233	1.469
800.	5.850	34.571	1.05	27.254	1.516
850.	5.562	34.570	1.02	27.289	1.562
900.	5.300	34.576	1.01	27.325	1.606
950.	5.083	34.580	1.03	27.354	1.649
1000.	4.791	34.580	1.25	27.388	1.690
1052.	4.789	34.581	1.23	27.388	

CAST EP4-82-RS-007 DATE 22 OCT 82 TIME 1202 GMT
LAT 05 00.0N LONG 095 00.0W

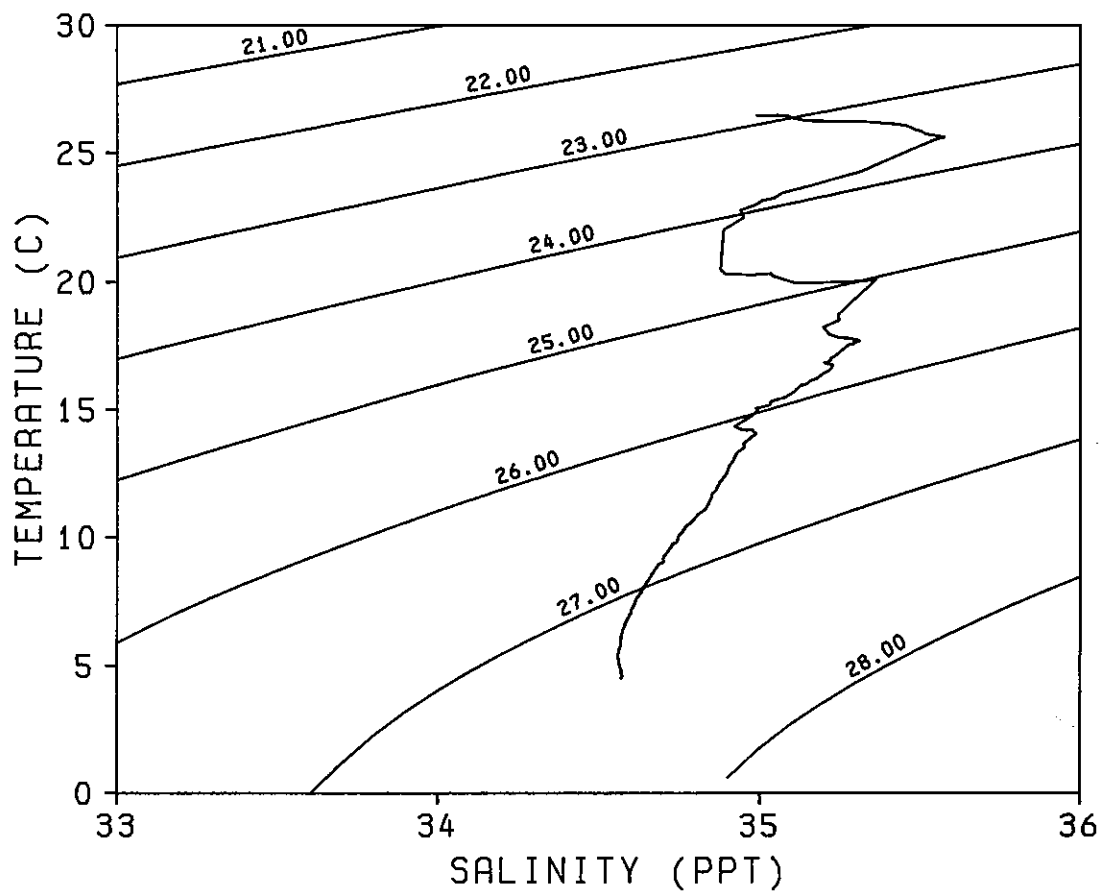


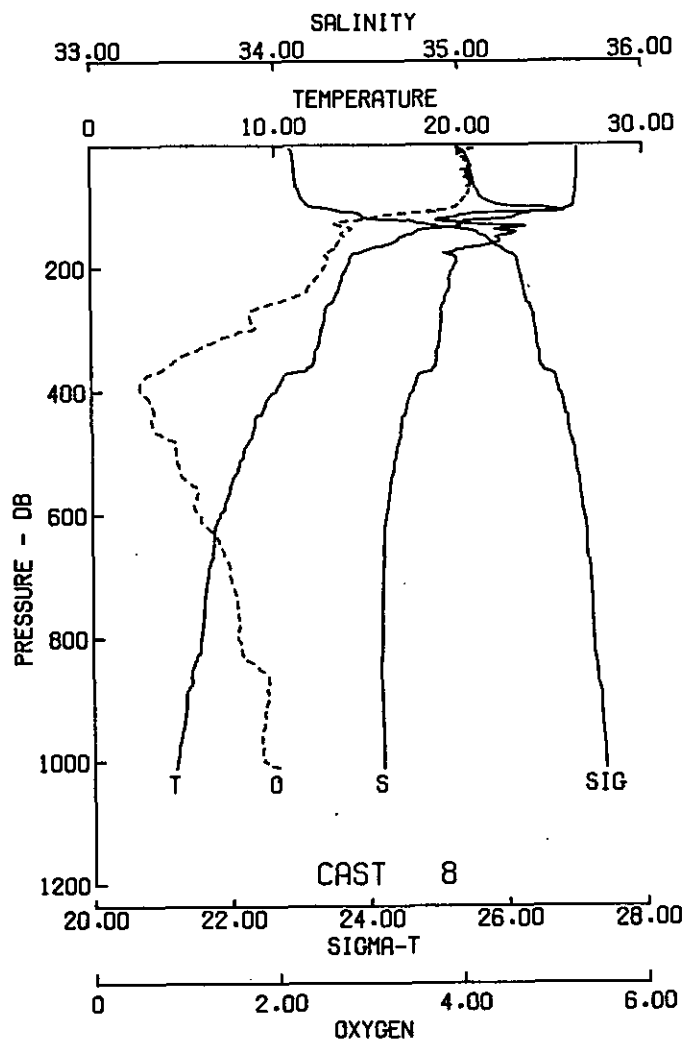
CAST EP4-R2-PS-107 DATE 22 OCT 82 TIME 1232 GMT
 LAT 05 00.0N LONG 195 00.0W WEATHER 6 SEA STATE 6
 BAROMETER 35 WIND DIR 263 T SPD 11 KT VISIBILITY 4
 CLOUD X AMOUNT 9 DRY 24.0 WET 24.0 DEPTH 3572 M



PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-P (DYN-CM)
0.	27.403	33.652	4.51	21.594	0.000
5.	27.392	33.664	4.42	21.607	
10.	27.384	33.674	4.33	21.617	.062
20.	27.386	33.678	4.26	21.619	.124
30.	27.387	33.678	4.25	21.619	.186
40.	27.388	33.678	4.23	21.619	.248
50.	27.397	33.687	4.24	21.623	.310
60.	27.225	34.402	4.30	22.215	.372
70.	26.257	34.680	3.99	22.731	.424
80.	24.153	34.762	3.70	23.434	.472
90.	18.883	34.817	2.98	24.928	.517
100.	15.750	34.885	2.01	25.733	.536
110.	15.027	34.923	1.68	25.924	.557
120.	14.471	34.938	1.55	25.956	.578
130.	14.044	34.941	1.52	26.149	.597
140.	13.895	34.943	1.35	26.182	.616
150.	13.764	34.941	1.35	26.294	.635
160.	13.507	34.932	1.38	26.254	.653
170.	13.449	34.935	1.37	26.265	.672
180.	13.355	34.929	1.35	26.283	.690
190.	13.252	34.924	1.27	26.301	.708
200.	13.157	34.923	1.17	26.319	.725
250.	12.651	34.893	.96	26.397	.812
300.	12.279	34.871	.86	26.453	.899
350.	11.879	34.793	.86	26.565	.977
400.	11.384	34.729	1.04	26.693	1.051
450.	9.606	34.702	.86	26.805	1.121
500.	9.144	34.682	.59	26.865	1.187
550.	8.428	34.651	.46	26.955	1.250
600.	7.621	34.623	.37	27.054	1.308
650.	6.970	34.599	.53	27.127	1.362
700.	6.641	34.609	.48	27.171	1.414
750.	6.145	34.585	.59	27.227	1.463
800.	5.774	34.580	.75	27.279	1.509
850.	5.439	34.574	.92	27.307	1.554
900.	5.136	34.576	1.02	27.345	1.597
950.	4.839	34.576	1.25	27.379	1.636
1000.	4.566	34.577	1.43	27.410	1.674
1500.	3.157	34.625	1.81	27.593	2.024
2000.	2.279	34.658	2.55	27.697	2.300
2500.	1.851	34.678	2.80	27.747	2.540
3000.	1.790	34.677	3.11	27.751	2.771
3394.	1.824	34.676	3.15	27.747	

CAST EP4-82-RS-008 DATE 26 OCT 82 TIME 1640 GMT
LAT 0 01.6S LONG 109 13.2W

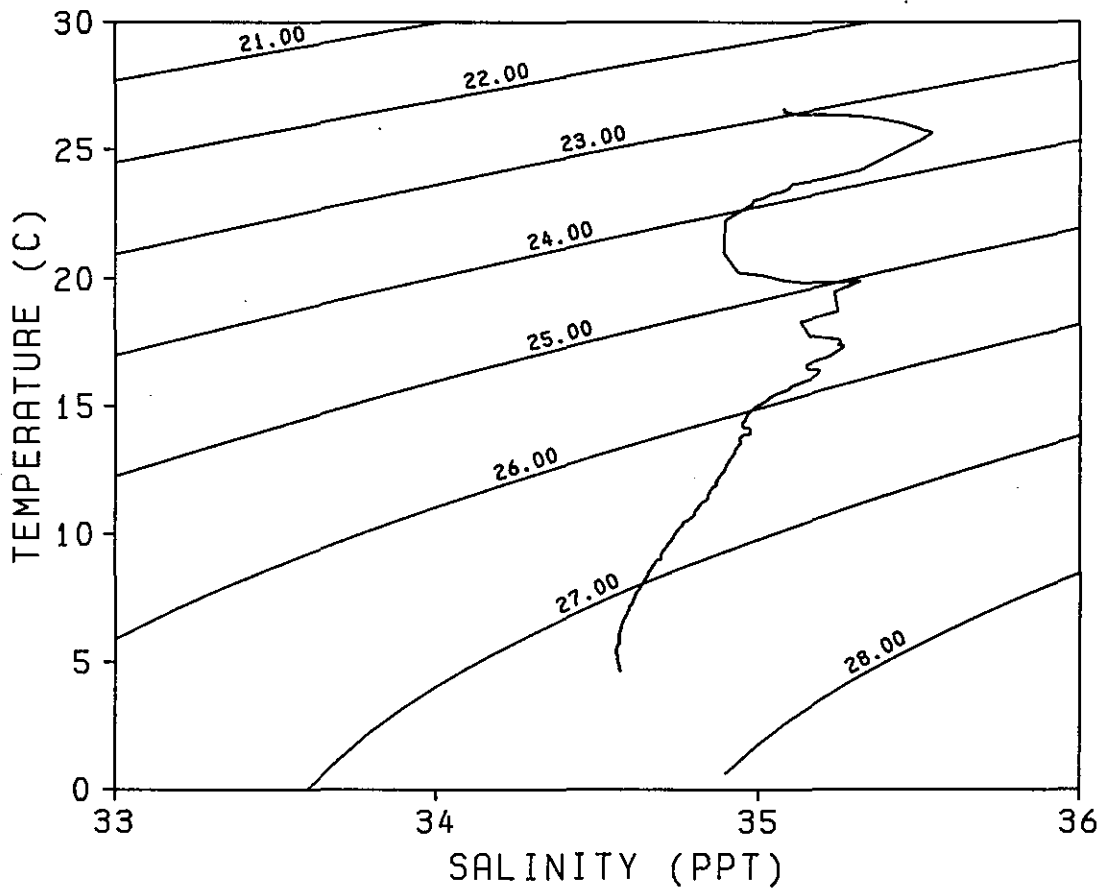




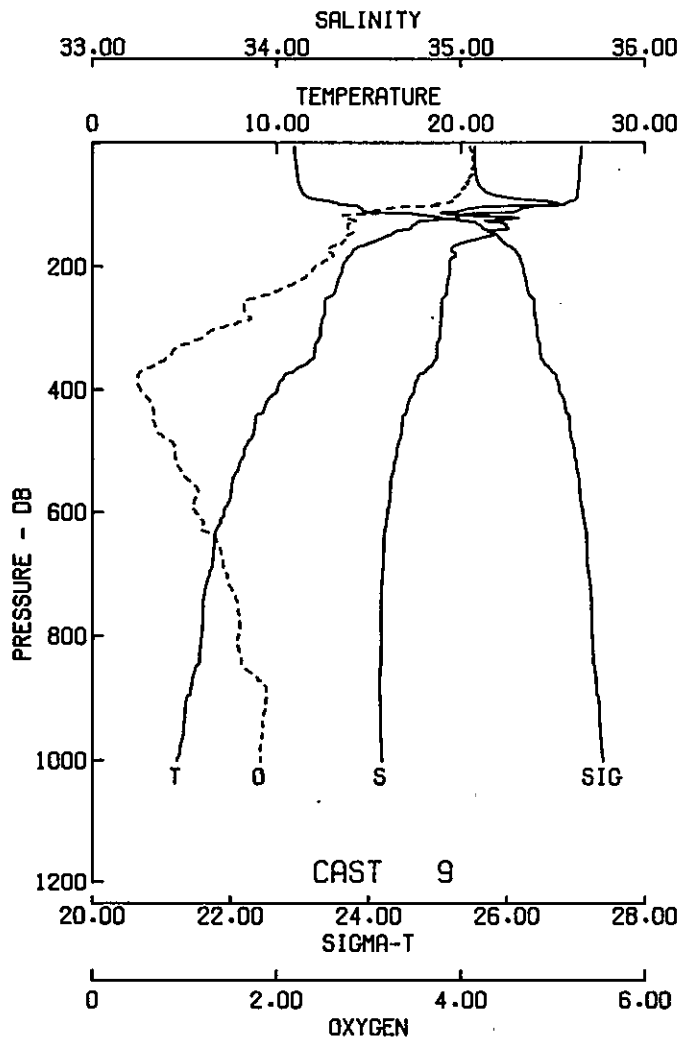
CAST EP4-82-RS-008 DATE 26 OCT 82 TIME 1640 GMT
 LAT 0 01.55 LONG 139 13.2W WEATHER 2 SEA STATE 5
 BAROMETER 14 WIND DIR 140 T SPD 18 KT VISIBILITY 7
 CLOUD 3 AMOUNT 3 DRY 25.0 WET 23.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.435	34.875	4.52	22.821	0.000
6.	26.476	34.990	4.17	22.895	
10.	26.474	35.027	4.11	22.924	.051
20.	26.473	35.050	4.03	22.941	.090
30.	26.472	35.062	4.13	22.951	.140
40.	26.459	35.070	4.14	22.959	.190
50.	26.455	35.076	4.12	22.975	.247
60.	26.431	35.084	4.14	22.980	.290
70.	26.403	35.091	4.08	22.994	.340
80.	26.339	35.108	4.10	23.027	.395
90.	26.268	35.134	4.05	23.069	.443
100.	26.228	35.233	3.99	23.156	.491
110.	25.525	34.550	3.66	23.614	.531
120.	22.778	34.937	3.85	23.968	.577
130.	19.940	34.109	2.68	24.878	.612
140.	17.771	34.248	2.81	25.536	.640
150.	16.856	34.217	2.76	25.731	.664
160.	16.397	34.201	2.68	25.827	.687
170.	15.146	34.632	2.55	25.981	.709
180.	14.191	34.958	2.57	26.132	.729
190.	14.072	34.989	2.54	26.181	.748
200.	13.910	34.972	2.54	26.202	.767
250.	13.236	34.923	2.14	26.303	.850
300.	12.472	34.894	1.76	26.433	.945
350.	11.105	34.873	.91	26.488	1.028
400.	9.934	34.747	.55	26.767	1.102
450.	8.891	34.685	.67	26.908	1.167
500.	8.224	34.650	.92	26.985	1.227
550.	7.565	34.617	1.08	27.057	1.284
600.	6.963	34.595	1.16	27.126	1.338
650.	6.616	34.583	1.19	27.163	1.389
700.	6.240	34.573	1.19	27.206	1.438
750.	6.040	34.570	1.15	27.229	1.485
800.	5.866	34.569	1.15	27.251	1.534
850.	5.405	34.561	1.80	27.301	1.579
900.	5.039	34.565	1.88	27.348	1.623
950.	4.817	34.571	1.84	27.378	1.664
1000.	4.533	34.572	1.84	27.411	1.704
1012.	4.476	34.570	1.99	27.415	

CAST EP4-82-RS-009 DATE 26 OCT 82 TIME 2341 GMT
LAT 00 02.8N LONG 109 13.0W



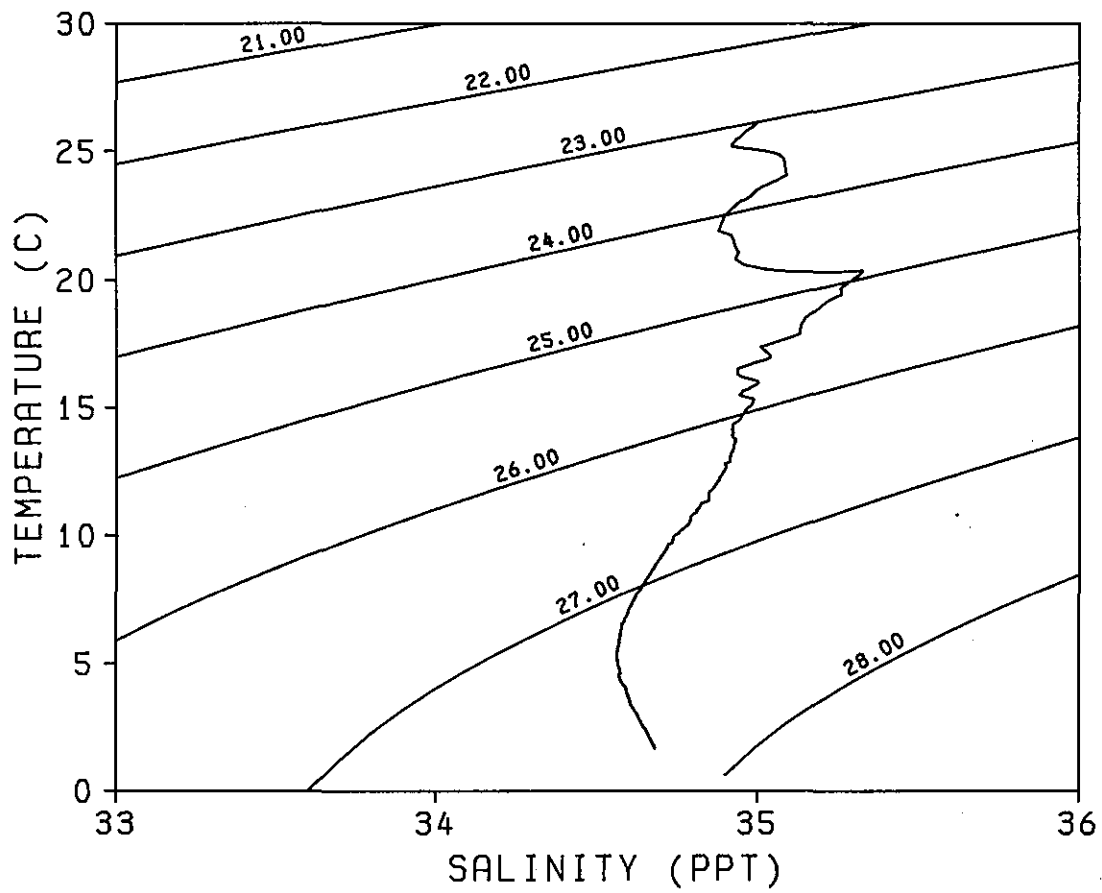
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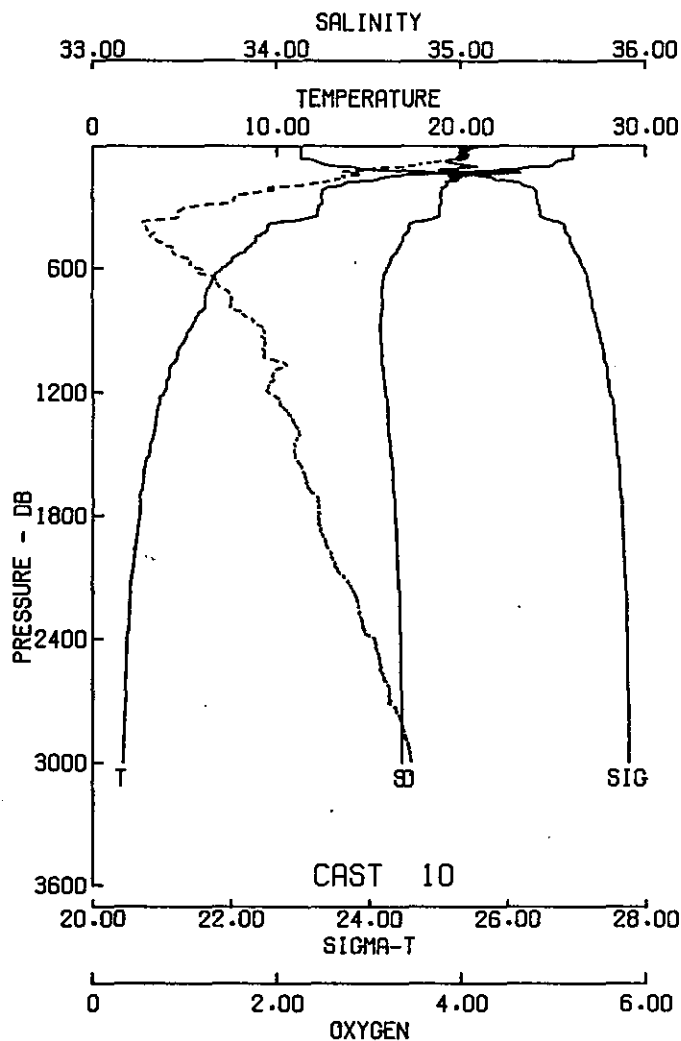
CAST FPA-R2-RC-000 DATE 26 OCT 82 TIME 2341 GMT
 LAT 06 02.8N LONG 179 13.0W WEATHER 1 SEA STATE 2
 BAROMETER 30.1 IN DIR 140 T SPD 17 KT VISIBILITY 8
 CLOUD 9 AMOUNT 3 DRY 26.2 WET 23.1 DEPTH 0

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-CM)
7.	26.572	35.078	4.11	22.931	
10.	26.570	35.078	4.11	22.932	.040
20.	26.563	35.078	4.15	22.934	.090
30.	26.513	35.078	4.14	22.950	.140
40.	26.471	35.079	4.14	22.963	.190
50.	26.456	35.082	4.13	22.971	.247
60.	26.437	35.089	4.12	22.982	.296
70.	26.398	35.102	4.04	23.004	.345
80.	26.369	35.131	4.00	23.038	.394
90.	26.330	35.235	3.95	23.125	.442
100.	25.704	35.527	3.82	23.541	.488
110.	23.298	35.027	3.17	23.912	.530
120.	19.887	35.080	2.73	24.869	.567
130.	17.607	35.217	2.85	25.550	.595
140.	17.284	35.265	2.78	25.666	.610
150.	16.220	35.182	2.78	25.754	.642
160.	15.350	35.339	2.73	25.541	.644
170.	14.392	35.956	2.59	26.007	.684
180.	14.106	34.971	2.62	26.150	.704
190.	13.801	34.943	2.56	26.200	.723
200.	13.617	34.941	2.43	26.230	.741
250.	12.915	34.910	1.80	26.357	.832
300.	12.405	34.889	1.42	26.443	.916
350.	12.019	34.870	.81	26.504	.990
400.	10.048	34.748	.53	26.766	1.072
450.	8.856	34.682	.66	26.910	1.137
500.	8.256	34.652	.90	26.988	1.198
550.	7.616	34.620	1.07	27.052	1.255
600.	7.163	34.603	1.12	27.104	1.310
650.	6.637	34.584	1.35	27.161	1.362
700.	6.382	34.576	1.46	27.189	1.412
750.	6.025	34.569	1.58	27.230	1.460
800.	5.955	34.571	1.60	27.240	1.508
850.	5.658	34.566	1.63	27.273	1.554
900.	5.130	34.567	1.90	27.338	1.599
950.	4.974	34.566	1.85	27.356	1.641
1000.	4.620	34.573	1.83	27.401	1.682
1002.	4.619	34.573	1.83	27.401	

CAST EP4-82-RS-010 DATE 27 OCT 82 TIME 0943 GMT
LAT 00 00.5N LONG 108 05.0W

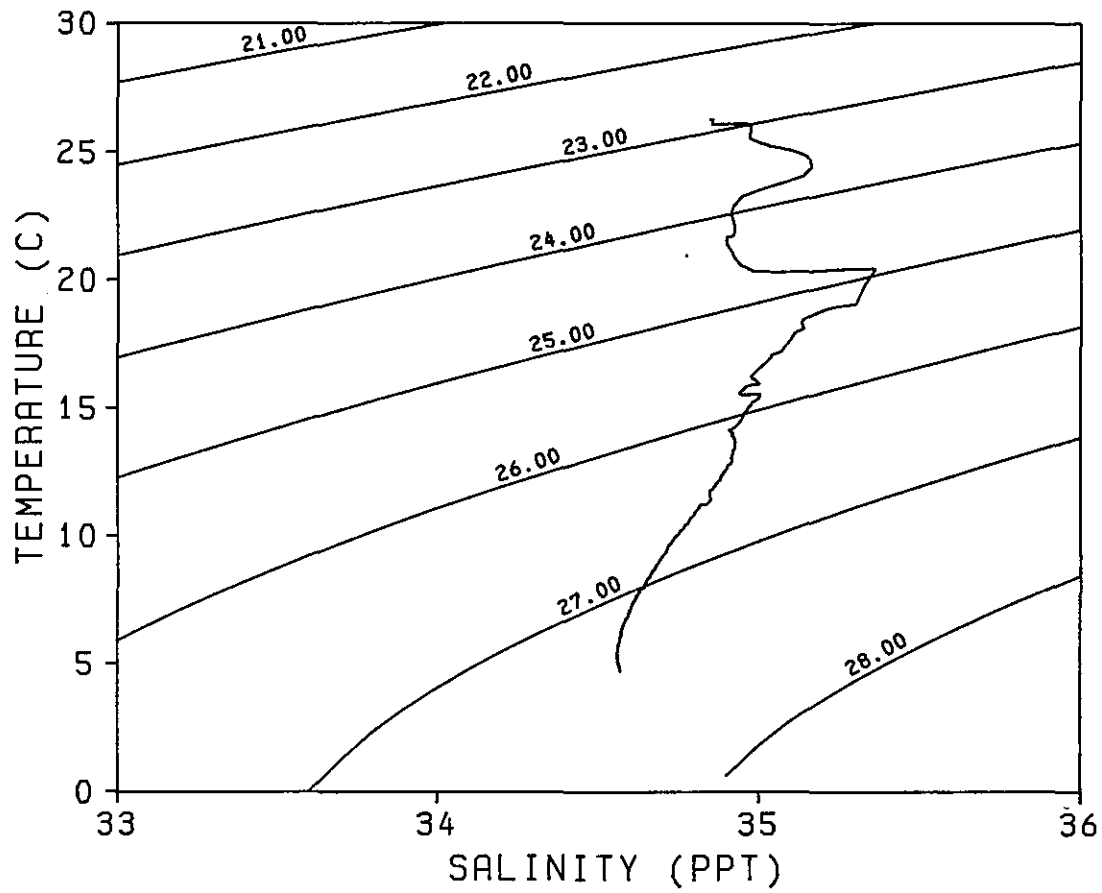


CAST EPA-82-RS-010 DATE 27 OCT 82 TIME 0943 GMT
 LAT 00 00.5N LONG 108 05.0W WEATHER 1 SEA STATE 6
 BAROMETER 10 WIND DIR 150 T SPD 13 KT VISIBILITY 6
 CLOUD 8 AMOUNT 2 DRY 25.3 WET 22.1 DEPTH 3751 M

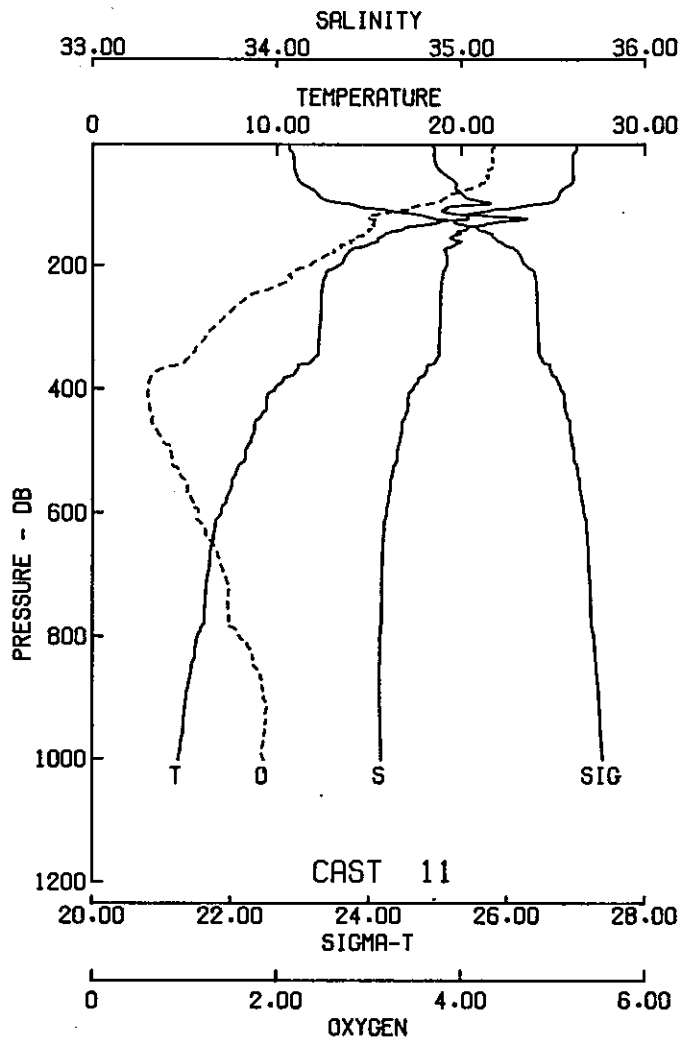


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.021	35.001	4.39	23.046	0.000
5.	26.101	34.998	4.18	23.019	
10.	26.113	34.997	4.13	23.014	.049
20.	26.095	34.998	4.09	23.021	.097
30.	26.095	34.998	4.02	23.021	.146
40.	26.096	34.999	4.00	23.021	.194
50.	26.098	34.998	4.07	23.020	.243
60.	26.073	34.996	4.07	23.026	.292
70.	25.448	34.933	3.97	23.172	.340
80.	25.152	34.922	3.73	23.255	.387
90.	25.063	34.980	3.55	23.325	.434
100.	24.829	35.068	3.47	23.463	.479
110.	23.383	34.990	3.13	23.833	.521
120.	21.896	34.878	2.98	24.172	.562
130.	20.344	35.295	2.73	24.913	.596
140.	17.835	35.128	2.87	25.428	.625
150.	16.137	34.949	2.72	25.694	.650
160.	15.598	34.951	2.72	25.818	.673
170.	15.206	34.985	2.63	25.932	.695
180.	13.879	34.917	2.50	26.166	.715
190.	13.643	34.928	2.34	26.223	.734
200.	13.197	34.915	2.07	26.304	.752
250.	12.456	34.892	1.55	26.434	.836
300.	12.244	34.881	1.06	26.468	.919
350.	9.019	34.871	.92	26.503	1.002
400.	9.507	34.717	.58	26.833	1.073
450.	8.865	34.682	.63	26.910	1.137
500.	8.490	34.663	.88	26.955	1.199
550.	7.685	34.624	.99	27.045	1.257
600.	7.145	34.602	1.12	27.105	1.312
650.	6.605	34.582	1.33	27.164	1.363
700.	6.322	34.574	1.41	27.196	1.413
750.	6.119	34.571	1.51	27.219	1.461
800.	5.974	34.568	1.53	27.236	1.509
850.	5.562	34.563	1.74	27.283	1.555
900.	5.249	34.561	1.86	27.319	1.600
950.	4.991	34.565	1.90	27.353	1.642
1000.	4.659	34.570	1.85	27.395	1.683
1500.	3.089	34.618	2.20	27.594	2.028
2000.	2.289	34.654	2.59	27.693	2.302
2500.	1.859	34.672	3.11	27.741	2.543
3000.	1.677	34.677	3.47	27.769	2.772
3602.	1.677	34.677	3.44	27.759	

CAST EP4-82-RS-011 DATE 27 OCT 82 TIME 2033 GMT
LAT 0 03.0S LONG 107 59.1W



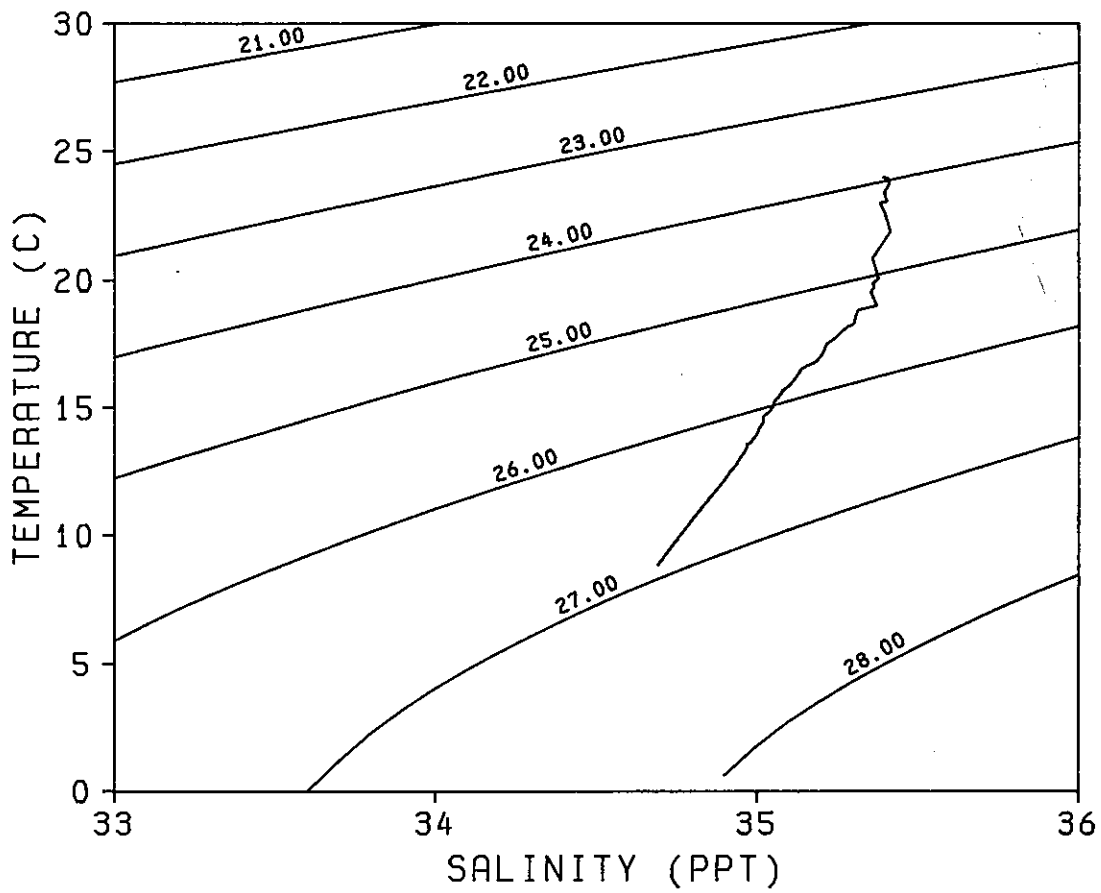
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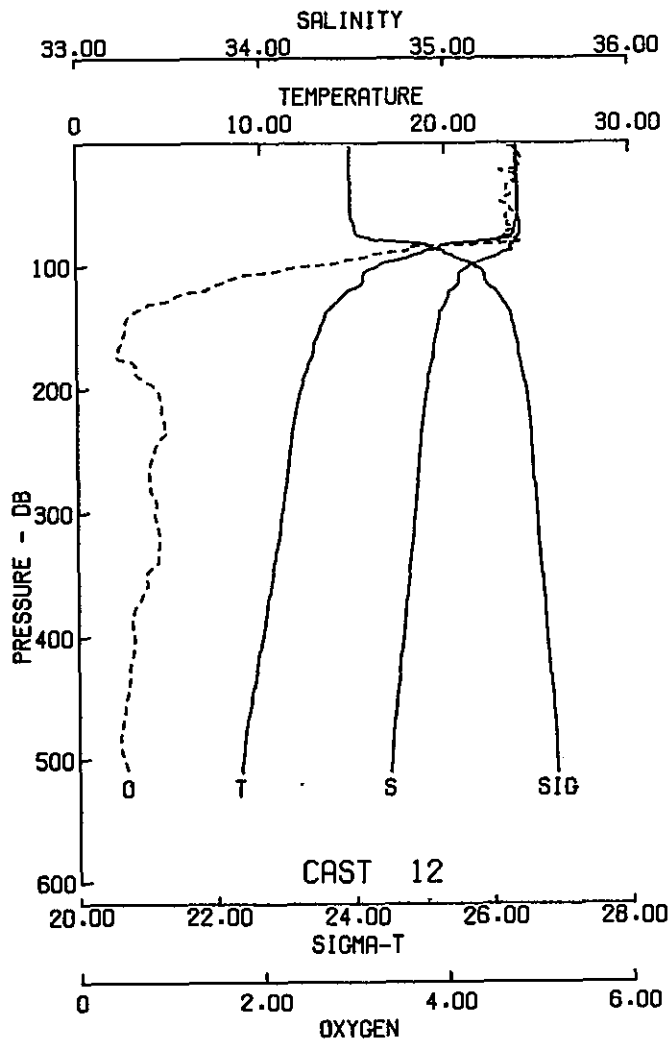


CAST FP4-82-RS-011 DATE 27 OCT 82 TIME 2033 GMT
 LAT 03.0S LONG 107 59.1W WEATHER 1 SEA STATE 5
 BAROMETER 11 WIND DIR 155 T SPD 14 KT VISIBILITY 9
 CLOUD 8 AMOUNT 2 DRY 26.9 WET 23.3 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.277	34.827	4.44	22.835	0.000
5.	26.277	34.849	4.37	22.851	
10.	26.278	34.858	4.34	22.858	.050
20.	26.079	34.856	4.35	22.919	.100
30.	26.074	34.862	4.36	22.925	.150
40.	26.087	34.878	4.34	22.933	.199
50.	26.184	34.917	4.31	22.957	.249
60.	26.099	34.961	4.26	22.991	.299
70.	25.737	34.973	4.16	23.113	.346
80.	25.370	35.001	3.97	23.247	.394
90.	25.195	35.045	3.81	23.334	.440
100.	23.758	35.071	3.59	23.578	.484
110.	21.534	34.898	3.31	24.286	.524
120.	20.391	35.235	2.98	24.854	.558
130.	18.719	35.178	3.05	25.245	.587
140.	16.898	35.030	3.03	25.578	.613
150.	15.860	34.973	2.97	25.776	.636
160.	15.523	34.986	2.79	25.862	.659
170.	14.599	34.949	2.70	26.037	.680
180.	13.884	34.916	2.58	26.164	.699
190.	13.669	34.926	2.48	26.216	.718
200.	13.391	34.925	2.37	26.273	.737
250.	12.444	34.890	1.69	26.435	.821
300.	12.346	34.885	1.33	26.451	.905
350.	12.063	34.870	1.07	26.494	.988
400.	9.920	34.739	.61	26.781	1.062
450.	9.086	34.693	.65	26.883	1.127
500.	8.325	34.655	.84	26.974	1.188
550.	7.605	34.618	1.03	27.053	1.246
600.	7.040	34.596	1.15	27.116	1.300
650.	6.516	34.578	1.30	27.173	1.351
700.	6.290	34.572	1.44	27.198	1.400
750.	6.138	34.571	1.47	27.217	1.448
800.	5.744	34.562	1.60	27.260	1.496
850.	5.413	34.559	1.76	27.298	1.541
900.	5.108	34.560	1.86	27.335	1.585
950.	4.947	34.563	1.87	27.357	1.627
1000.	4.695	34.568	1.85	27.389	1.668
1003.	4.683	34.568	1.86	27.390	

CAST EP4-82-RS-012 DATE 31 OCT 82 TIME 1030 GMT
LAT 7 00.1S LONG 095 00.6W

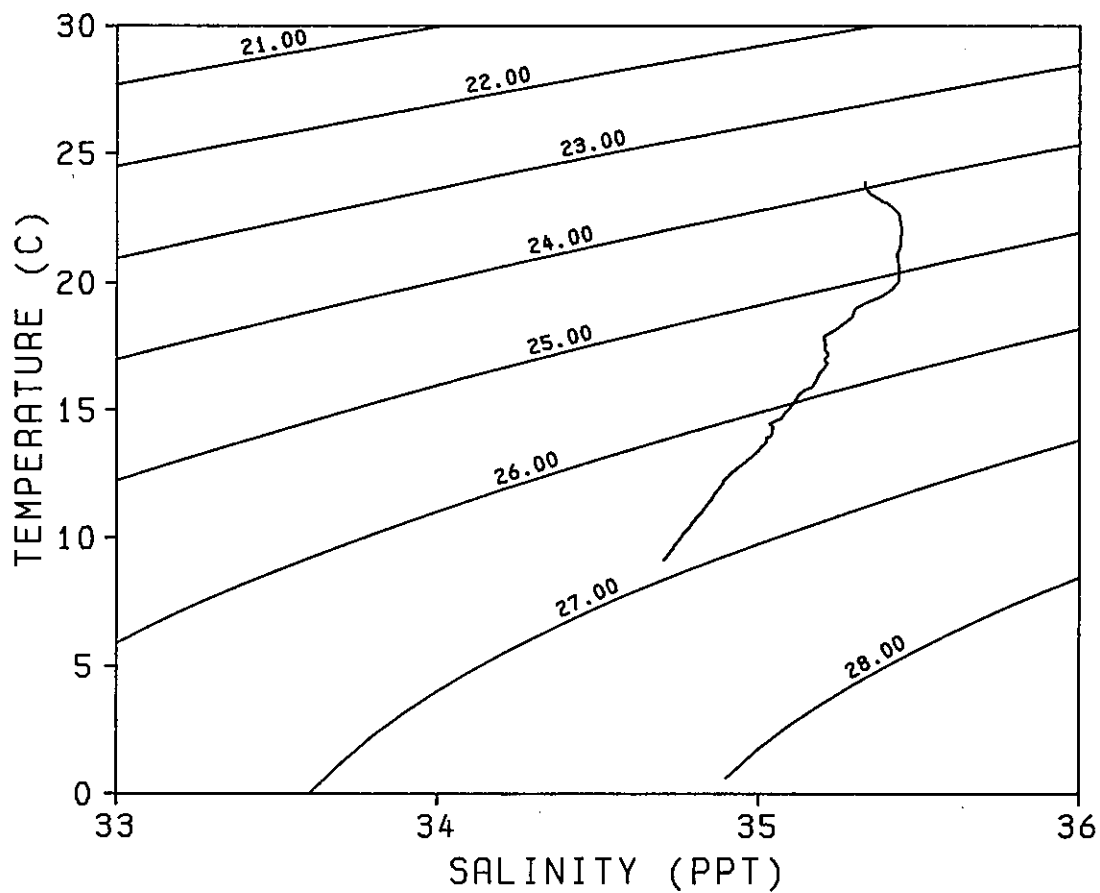


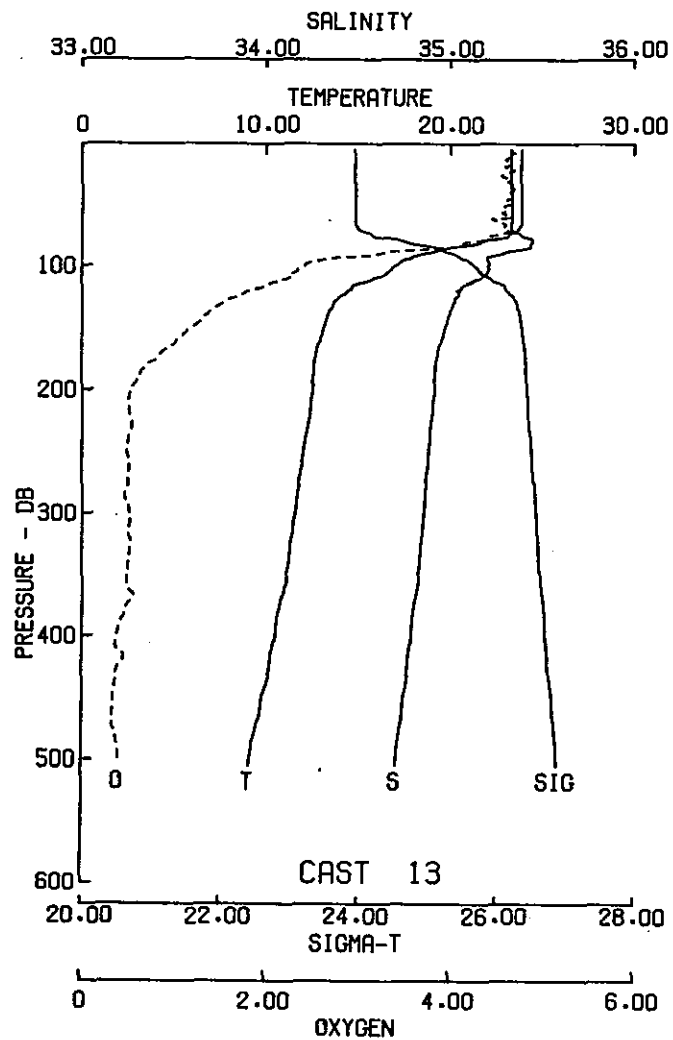


CAST EP4-82-RS-C12 DATE 31 OCT 82 TIME 1030 GMT
 LAT 7 00.1S LONG 195 03.6W WEATHER 1 SEA STAT 4
 BAROMETER 11 WIND DIR 155 T SPD 15 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 23.0 WET 18.0 DEPTH 3880 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	23.946	35.387	4.67	23.968	0.000
3.	23.957	35.389	4.71	23.968	
10.	23.960	35.391	4.83	23.967	.079
20.	23.962	35.392	4.83	23.967	.119
30.	23.963	35.392	4.79	23.967	.158
40.	23.962	35.393	4.66	23.968	.198
50.	23.962	35.394	4.65	23.969	.237
60.	23.953	35.397	4.68	23.973	.277
70.	23.791	35.410	4.75	24.031	.316
80.	22.648	35.394	4.53	24.353	.345
90.	18.797	35.310	3.37	25.727	.377
100.	16.472	35.135	2.62	25.759	.391
110.	15.591	35.079	1.73	25.918	.412
120.	14.807	35.036	1.40	25.059	.432
130.	14.154	35.002	.86	25.174	.450
140.	13.479	34.970	.59	25.290	.468
150.	13.222	34.958	.55	25.333	.485
160.	12.980	34.945	.50	25.372	.502
170.	12.829	34.936	.45	25.395	.518
180.	12.574	34.923	.63	25.435	.535
190.	12.340	34.908	.67	25.470	.551
200.	12.146	34.898	.85	25.500	.628
250.	11.540	34.857	.84	25.583	.703
300.	11.063	34.829	.84	25.649	.776
350.	10.534	34.795	.75	25.718	.843
400.	10.031	34.763	.61	25.781	.911
450.	9.365	34.723	.52	25.861	.974
500.	8.912	34.698	.49	25.915	
511.	8.802	34.692	.55	25.928	

CAST EP4-82-RS-013 DATE 31 OCT 82 TIME 1445 GMT
LAT 6 30.5S LONG 095 00.7W

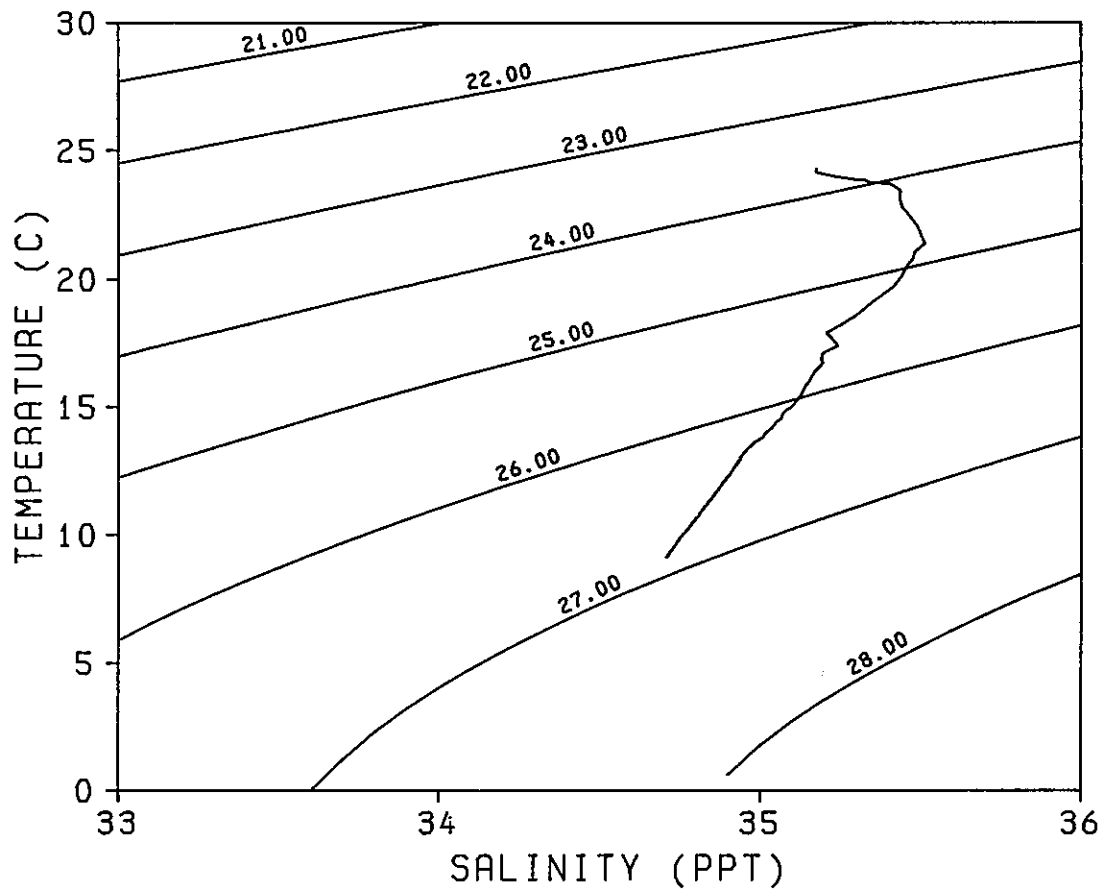




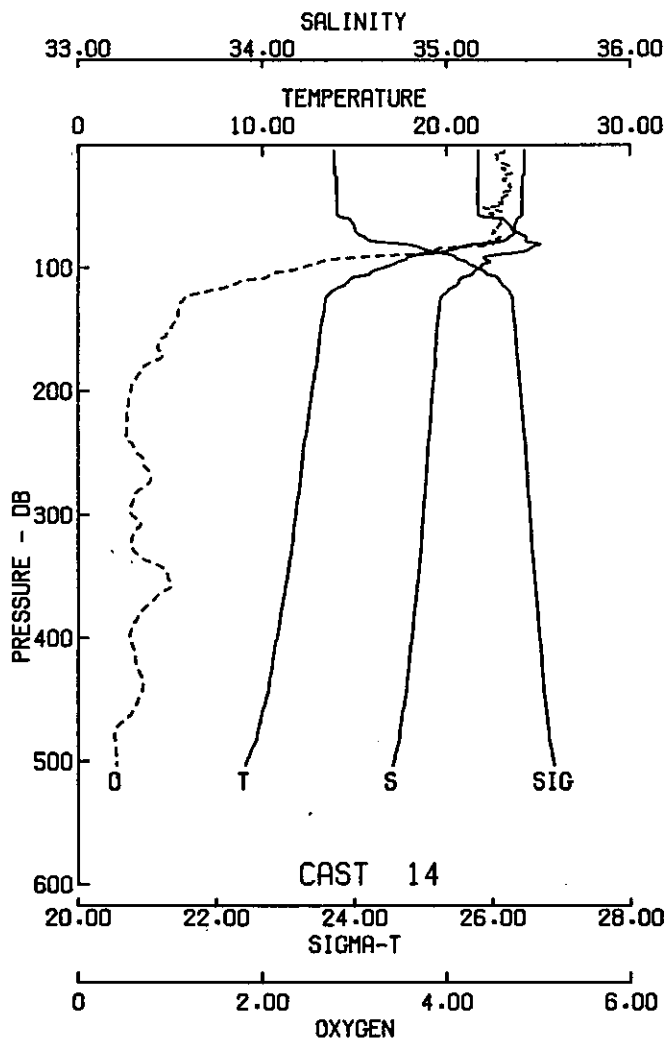
CAST FPA-82-RS-013 DATE 31 OCT 82 TIME 1445 GM
 LAT 6 30.5S LONG 105 00.7W WEATHER 2 SEA STATE 2
 BAROMETER 15 WIND DIR 135 T SPD 11 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 23.5 WFT 19.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	23.934	35.329	4.65	23.926	0.000
5.	23.884	35.329	4.66	23.943	
10.	23.841	35.330	4.66	23.956	.046
20.	23.840	35.330	4.64	23.956	.075
30.	23.842	35.329	4.67	23.955	.119
40.	23.841	35.329	4.64	23.955	.159
50.	23.847	35.330	4.65	23.954	.199
60.	23.849	35.331	4.65	23.954	.239
70.	23.698	35.330	4.60	23.998	.279
80.	21.859	35.443	4.26	24.613	.316
90.	18.615	35.288	3.26	25.356	.346
100.	16.090	35.203	2.42	25.689	.370
110.	15.852	35.162	2.26	25.923	.393
120.	14.452	35.031	1.81	26.132	.413
130.	13.642	35.014	1.55	26.296	.431
140.	13.333	34.990	1.36	26.335	.446
150.	13.094	34.968	1.20	26.367	.460
160.	12.918	34.951	1.03	26.389	.482
170.	12.711	34.931	.87	26.415	.500
180.	12.604	34.919	.71	26.427	.517
190.	12.566	34.916	.62	26.432	.533
200.	12.502	34.912	.53	26.441	.550
250.	12.095	34.881	.49	26.514	.631
300.	11.557	34.856	.52	26.579	.709
350.	11.107	34.829	.49	26.641	.785
400.	10.528	34.792	.38	26.716	.857
450.	9.782	34.746	.34	26.810	.927
500.	9.157	34.711	.40	26.886	.992
565.	9.121	34.708	.40	26.889	

CAST EP4-82-RS-014 DATE 31 OCT 82 TIME 1855 GMT
LAT 6 00.6S LONG 094 59.2W



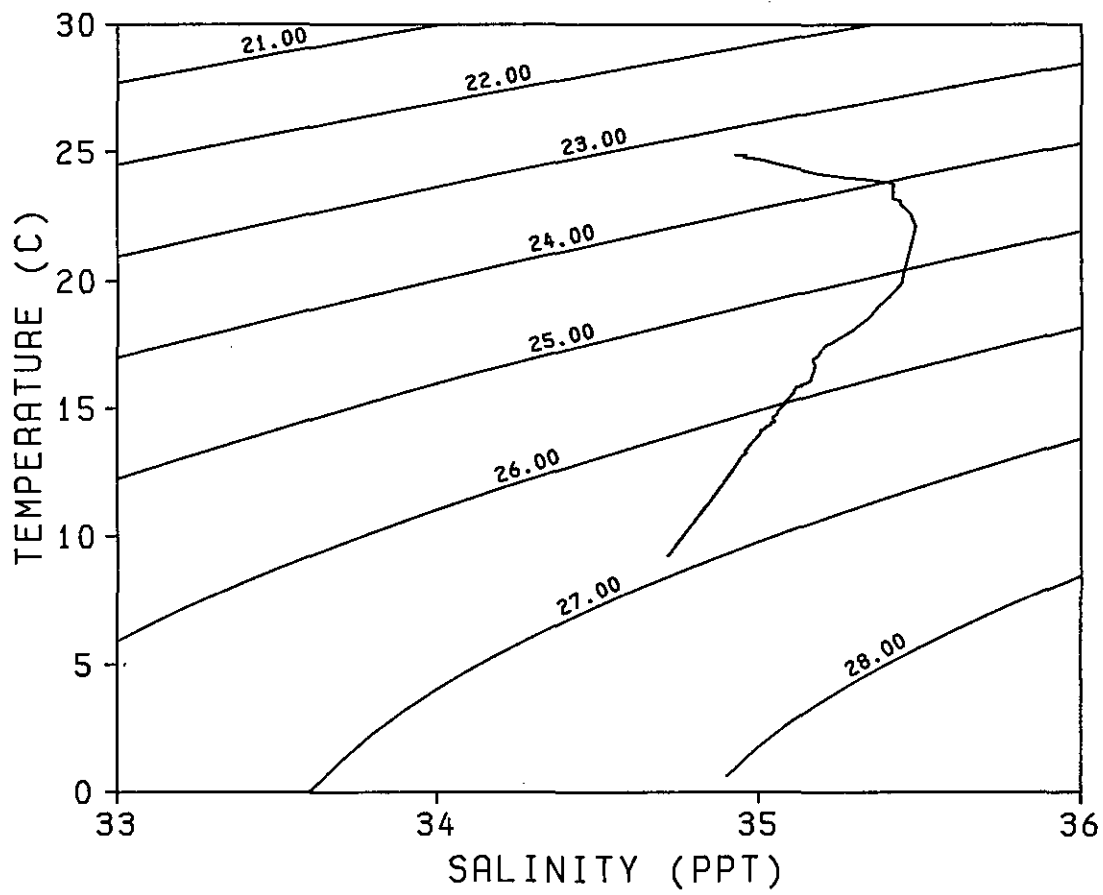
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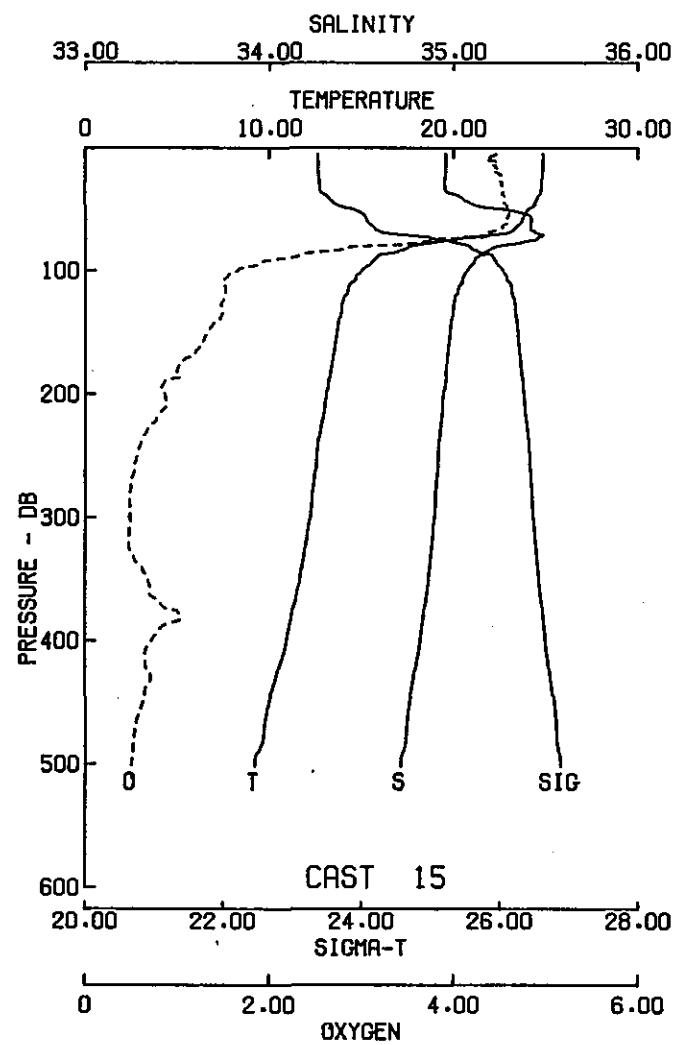
CAST EP4-82-RS-014 DATE 31 OCT 82 TIME 1855 GMT
 LAT 6 32.6S LONG 194 59.2W WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 140 T SPD 14 KT VISIBILITY 9
 CLOUD 8 AMOUNT ? DRY 23.5 WET 19.5 DEPTH 9

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-SI (DYM-M)
0.	24.257	35.172	4.66	23.714	0.000
5.	24.273	35.174	4.64	23.714	
10.	24.266	35.175	4.55	23.713	.042
20.	24.247	35.175	4.60	23.719	.084
30.	24.134	35.172	4.65	23.750	.126
40.	24.128	35.172	4.62	23.752	.167
50.	24.123	35.174	4.63	23.754	.209
60.	23.965	35.235	4.59	23.848	.251
70.	23.723	35.361	4.49	24.014	.291
80.	22.816	35.440	4.49	24.338	.330
90.	16.538	35.293	3.60	25.279	.359
100.	16.667	35.194	2.46	25.758	.384
110.	14.753	35.073	1.90	26.099	.405
120.	13.751	35.001	1.39	26.257	.424
130.	13.397	34.964	1.11	26.302	.442
140.	13.309	34.956	1.09	26.314	.450
150.	13.166	34.948	1.01	26.336	.477
160.	13.100	34.944	.89	26.347	.494
170.	13.017	34.937	.93	26.358	.511
180.	12.949	34.940	.73	26.374	.528
190.	12.826	34.931	.64	26.392	.545
200.	12.701	34.924	.58	26.411	.562
250.	12.217	34.896	.55	26.484	.645
300.	11.829	34.873	.59	26.541	.725
350.	11.372	34.846	.98	26.506	.802
400.	10.815	34.811	.56	26.680	.877
450.	10.187	34.776	.66	26.763	.948
500.	9.183	34.713	.42	26.883	1.015
504.	9.092	34.707	.42	26.893	

CAST EP4-82-RS-015 DATE 31 OCT 82 TIME 2300 GMT
LAT 5 31.0S LONG 095 00.0W



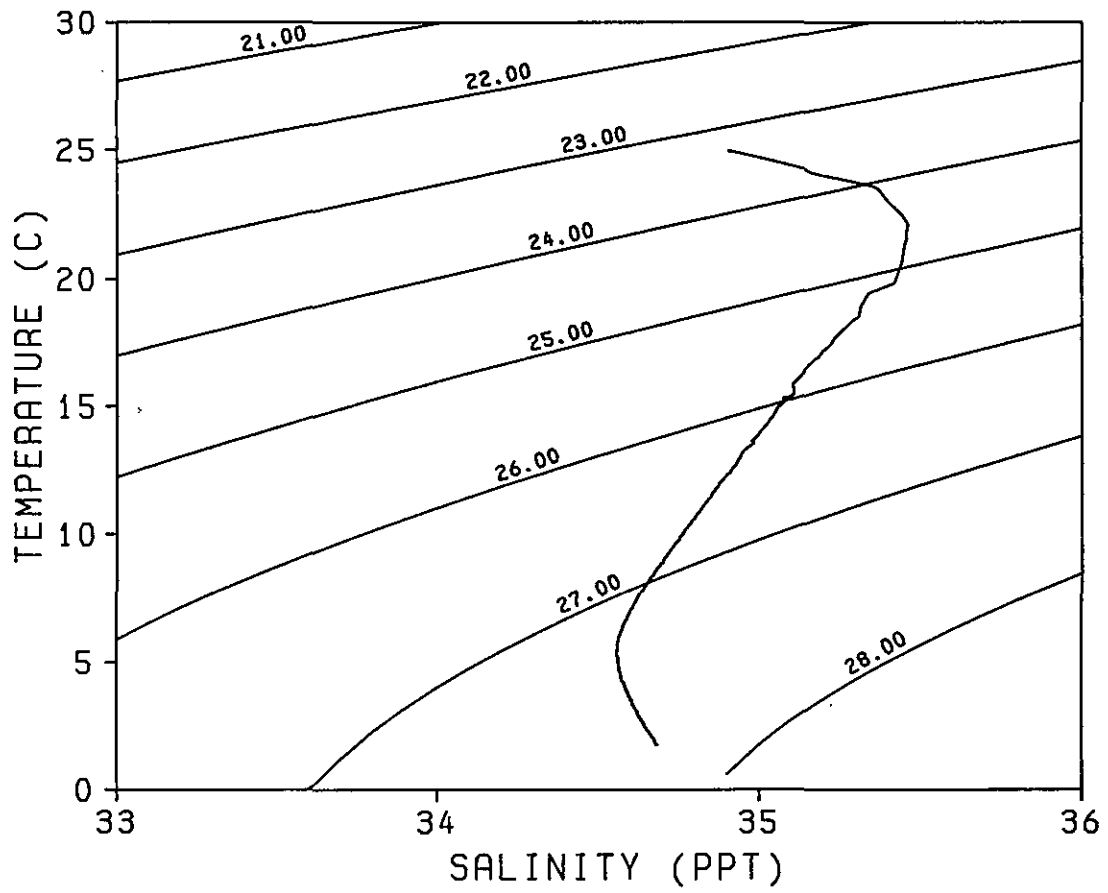
163

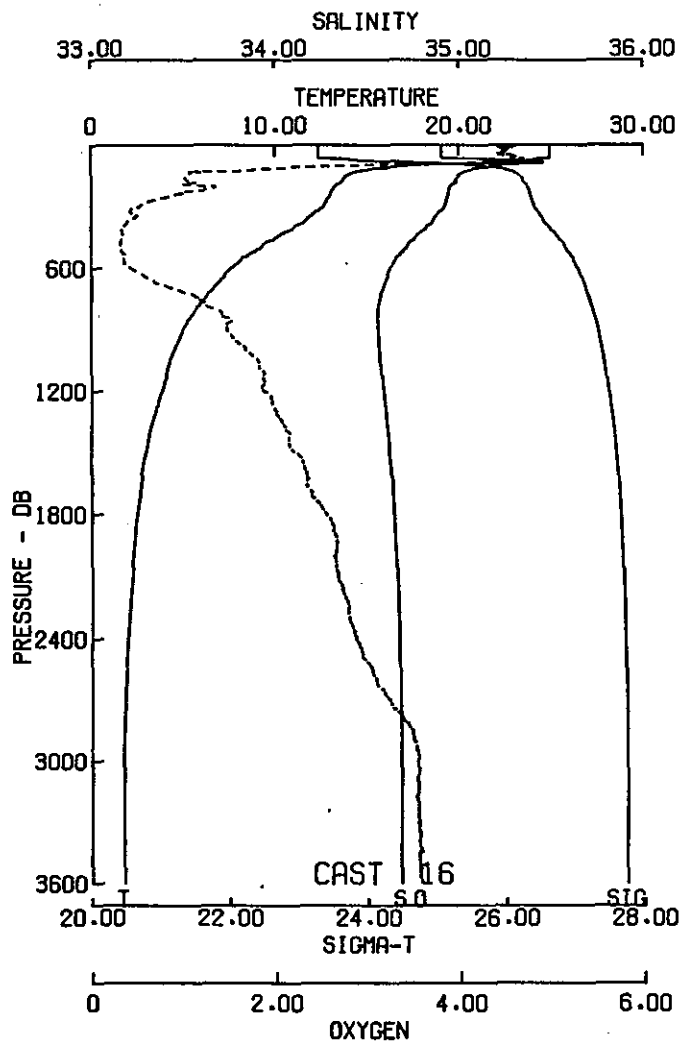


CAST EP4-82-RS-015 DATE 31 OCT 82 TIME 2300 GMT
 LAT 5 31.0S LONG 095 00.0W WEATHER 1 SEA STATE 1
 BAROMETER 39 WIND DIR 145 T SPD 17 KT VISIBILITY 6
 CLOUD 9 AMOUNT 3 DRY 24.0 WET 19.6 DEPTH 3886 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.838	34.958	4.58	23.377	0.000
5.	24.859	34.959	4.46	23.371	
10.	24.847	34.961	4.37	23.376	.045
20.	24.838	34.958	4.47	23.377	.090
30.	24.765	34.952	4.53	23.395	.136
40.	24.577	35.035	4.54	23.514	.180
50.	23.991	35.267	4.59	23.865	.223
60.	23.649	35.419	4.56	24.080	.263
70.	22.631	35.471	4.39	24.414	.308
80.	17.683	35.241	3.13	25.551	.329
90.	15.784	35.116	2.24	25.903	.352
100.	15.016	35.072	1.66	26.041	.373
110.	14.437	35.051	1.49	26.150	.393
120.	14.169	35.016	1.52	26.181	.412
130.	13.986	34.997	1.49	26.221	.430
140.	13.749	34.986	1.45	26.246	.449
150.	13.644	34.977	1.34	26.261	.467
160.	13.556	34.971	1.25	26.275	.485
170.	13.442	34.965	1.15	26.293	.503
180.	13.340	34.958	1.00	26.309	.520
190.	13.193	34.955	.87	26.337	.538
200.	13.079	34.944	.87	26.351	.556
250.	12.551	34.914	.56	26.433	.641
300.	12.220	34.895	.49	26.483	.723
350.	11.667	34.864	.68	26.565	.803
400.	10.935	34.820	.73	26.665	.870
450.	9.970	34.759	.62	26.787	.950
500.	9.209	34.713	.50	26.879	1.016
502.	9.201	34.712	.50	26.880	

CAST EP4-82-RS-016 DATE 01 NOV 82 TIME 1104 GMT
LAT 5 02.1S LONG 094 57.7W

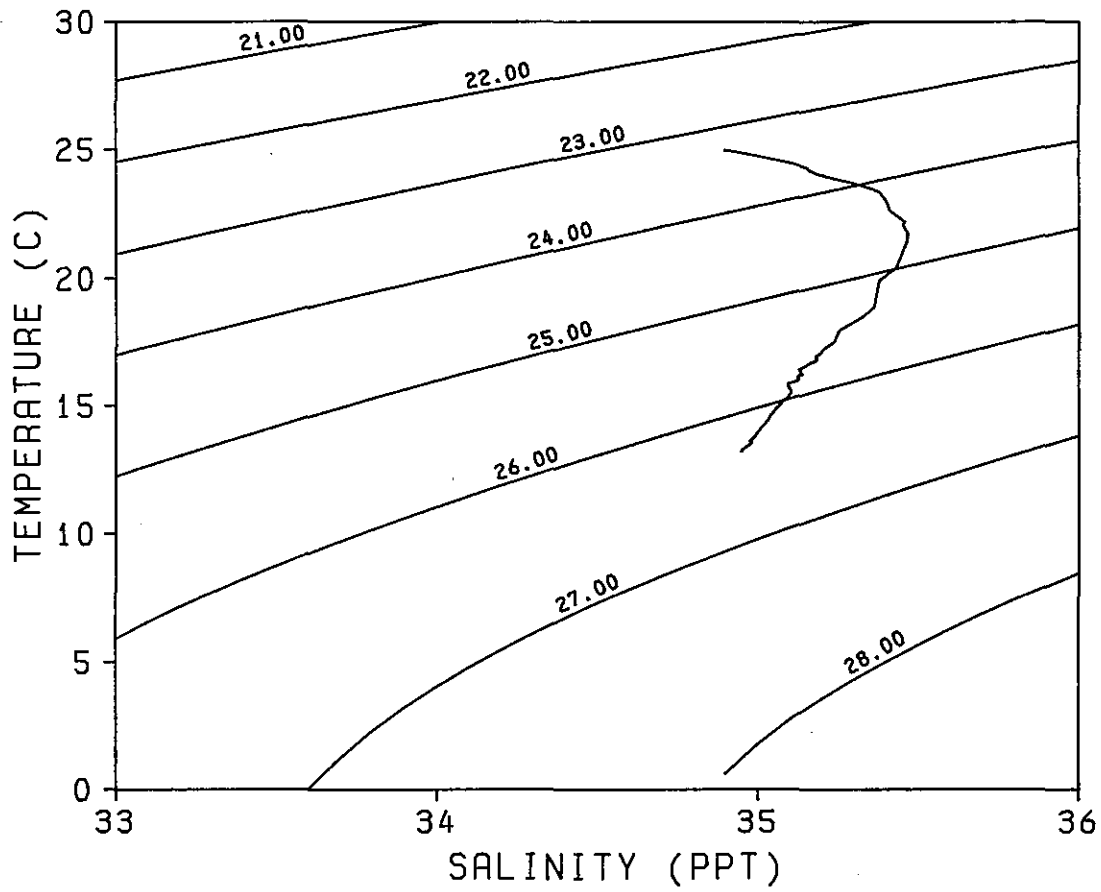




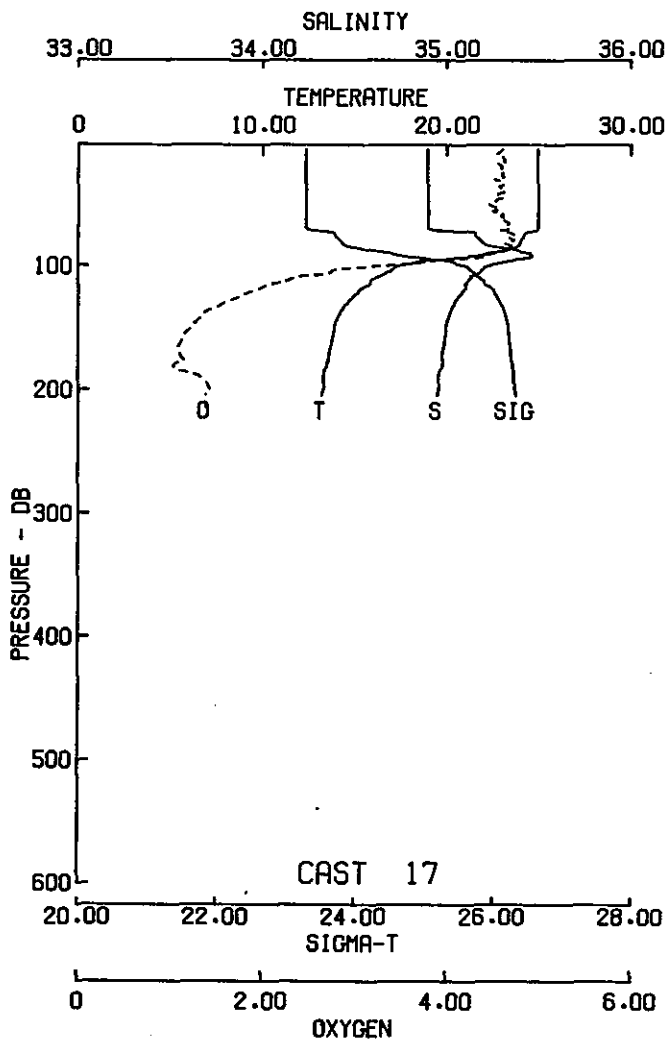
CAST EP4-22-RS-016 DATE 01 NOV 82 TIME 1104 GMT
 LAT 5 22.1S LONG 094 57.7W WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 150 T SPD 18 KT VISIBILITY 8
 CLOUD 7 AMOUNT 3 DRY 23.9 WFT 19.3 DEPTH 3800 F

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-CM)
0.	25.062	34.905	4.82	23.269	0.000
5.	24.968	34.906	4.62	23.299	
10.	24.933	34.906	4.41	23.309	.046
20.	24.941	34.906	4.50	23.307	.092
30.	24.942	34.907	4.50	23.307	.138
40.	24.941	34.907	4.46	23.307	.184
50.	24.945	34.907	4.48	23.306	.230
60.	24.947	34.908	4.63	23.307	.276
70.	24.170	35.153	4.67	23.725	.321
80.	23.433	35.375	4.56	24.110	.361
90.	20.577	35.442	4.96	24.962	.399
100.	17.370	35.218	4.87	25.522	.422
110.	16.357	35.141	2.26	25.791	.445
120.	15.110	35.075	1.81	26.022	.468
130.	14.505	35.035	1.31	26.124	.488
140.	14.204	35.017	1.09	26.174	.508
150.	13.913	34.998	1.08	26.221	.528
160.	13.798	34.990	1.02	26.239	.548
170.	13.701	34.982	1.05	26.253	.561
180.	13.614	34.977	1.10	26.267	.579
190.	13.455	34.971	1.00	26.295	.597
200.	13.285	34.953	1.32	26.316	.612
250.	12.989	34.939	.86	26.365	.702
300.	12.647	34.921	.54	26.420	.788
350.	11.930	34.872	.50	26.521	.870
400.	11.105	34.825	.36	26.638	.946
450.	10.075	34.766	.35	26.775	1.020
500.	9.266	34.718	.33	26.873	1.087
550.	8.260	34.662	.35	26.989	1.148
600.	7.660	34.630	.44	27.054	1.205
650.	7.118	34.605	.63	27.113	1.265
700.	6.626	34.585	.89	27.164	1.312
750.	6.140	34.569	1.20	27.215	1.362
800.	5.690	34.559	1.37	27.264	1.409
850.	5.285	34.557	1.52	27.312	1.454
900.	4.992	34.562	1.47	27.351	1.498
950.	4.787	34.564	1.58	27.375	1.534
1000.	4.524	34.569	1.68	27.409	1.578
1500.	2.991	34.622	2.21	27.606	1.918
2000.	2.286	34.657	2.65	27.695	2.198
2500.	1.919	34.675	2.96	27.740	2.434
3000.	1.757	34.683	3.54	27.754	2.655
3500.	1.781	34.682	3.57	27.756	2.808
3600.	1.791	34.681	3.59	27.754	2.850

CAST EP4-82-RS-017 DATE 01 NOV 82 TIME 1403 GMT
LAT 5 01.0S LONG 094 59.3W

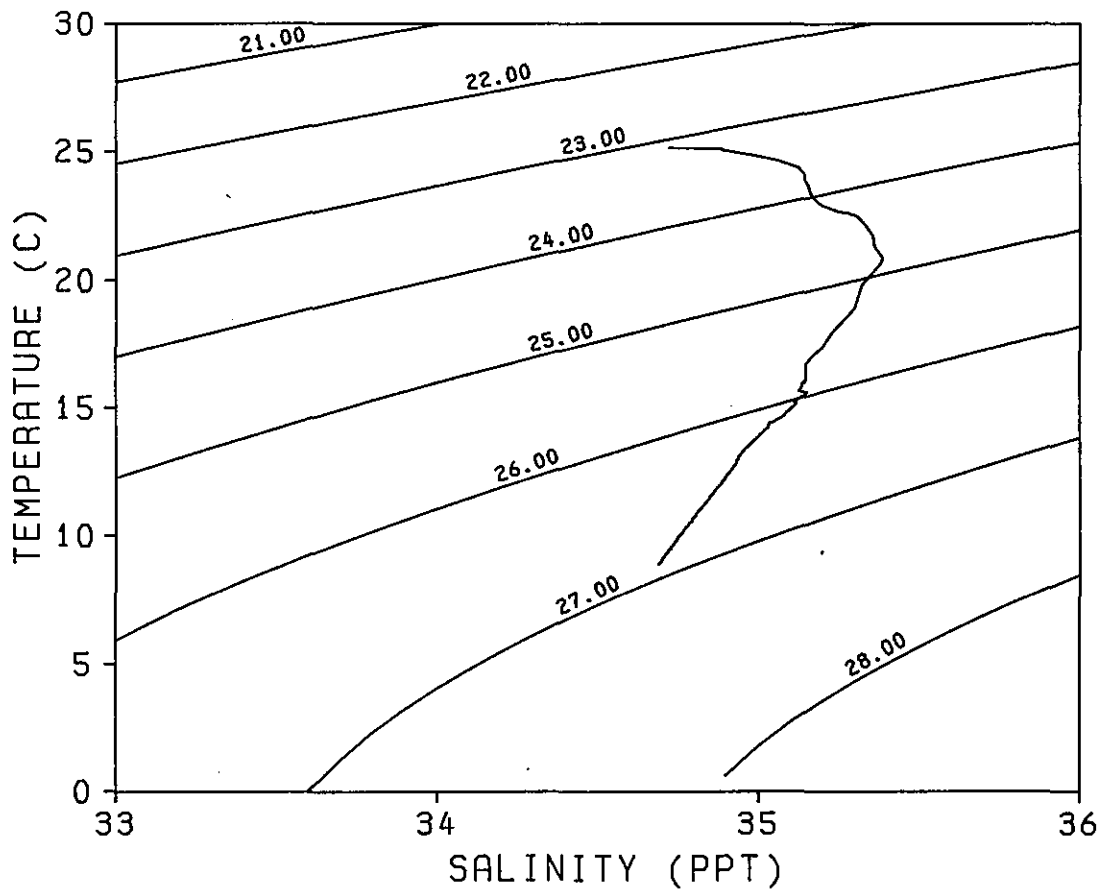


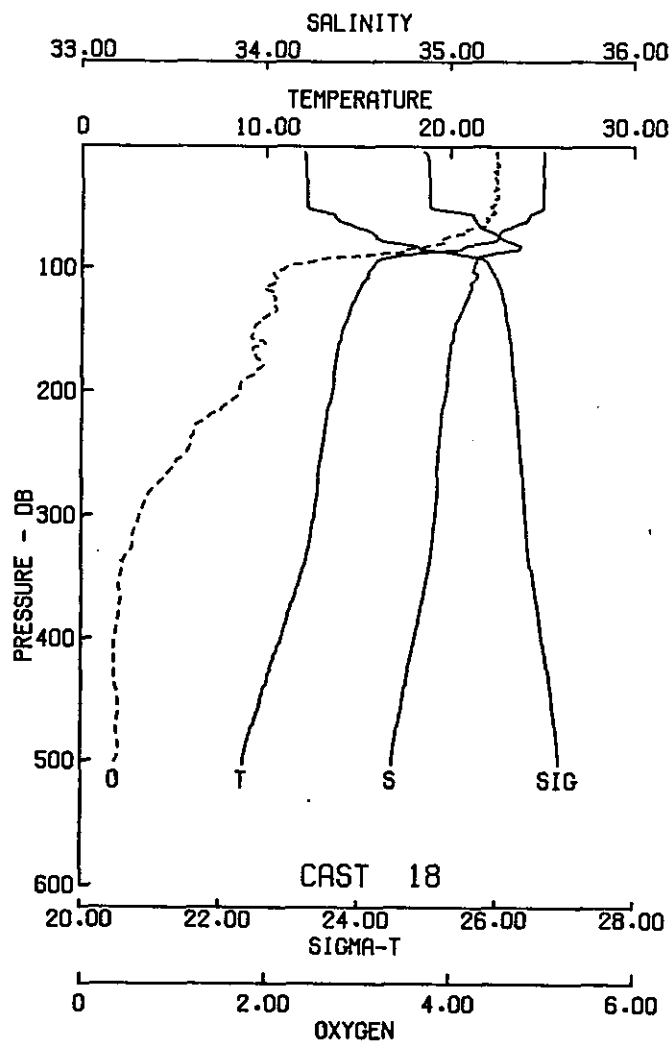
CAST FP4-R2-RS-017 DATE 01 NOV 82 TIME 1403 GMT
 LAT 5 01.0S LONG 194 59.3W WEATHER 2 SEA STATE 3
 BAROMETER 13 WIND DIR 145 T SPD 16 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 DRY 22.5 WET 20.5 DEPTH 0



PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYR-M)
0.	24.931	34.897	4.66	23.303	0.000
4.	24.945	34.898	4.61	23.290	
10.	24.949	34.897	4.59	23.296	.046
20.	24.953	34.898	4.60	23.297	.092
30.	24.955	34.898	4.58	23.296	.138
40.	24.956	34.898	4.60	23.296	.184
50.	24.953	34.900	4.46	23.296	.230
60.	24.958	34.900	4.63	23.297	.276
70.	24.923	34.915	4.66	23.319	.322
80.	24.908	35.187	4.70	24.799	.368
90.	22.186	35.457	4.49	24.530	.404
100.	17.457	35.234	3.40	25.601	.433
110.	16.186	35.139	2.35	25.829	.457
120.	15.218	35.085	1.92	25.906	.478
130.	14.603	35.040	1.59	25.106	.498
140.	14.144	35.011	1.35	25.183	.517
150.	13.896	34.996	1.23	25.223	.536
160.	13.779	34.988	1.13	25.241	.554
170.	13.632	34.977	1.10	25.263	.572
180.	13.514	34.978	1.06	25.289	.590
190.	13.336	34.957	1.03	25.319	.608
200.	13.290	34.953	1.02	25.313	.626
205.	13.203	34.947	1.38	25.329	

CAST EP4-82-RS-018 DATE 01 NOV 82 TIME 1930 GMT
LAT 4 31.8S LONG 094 58.5W

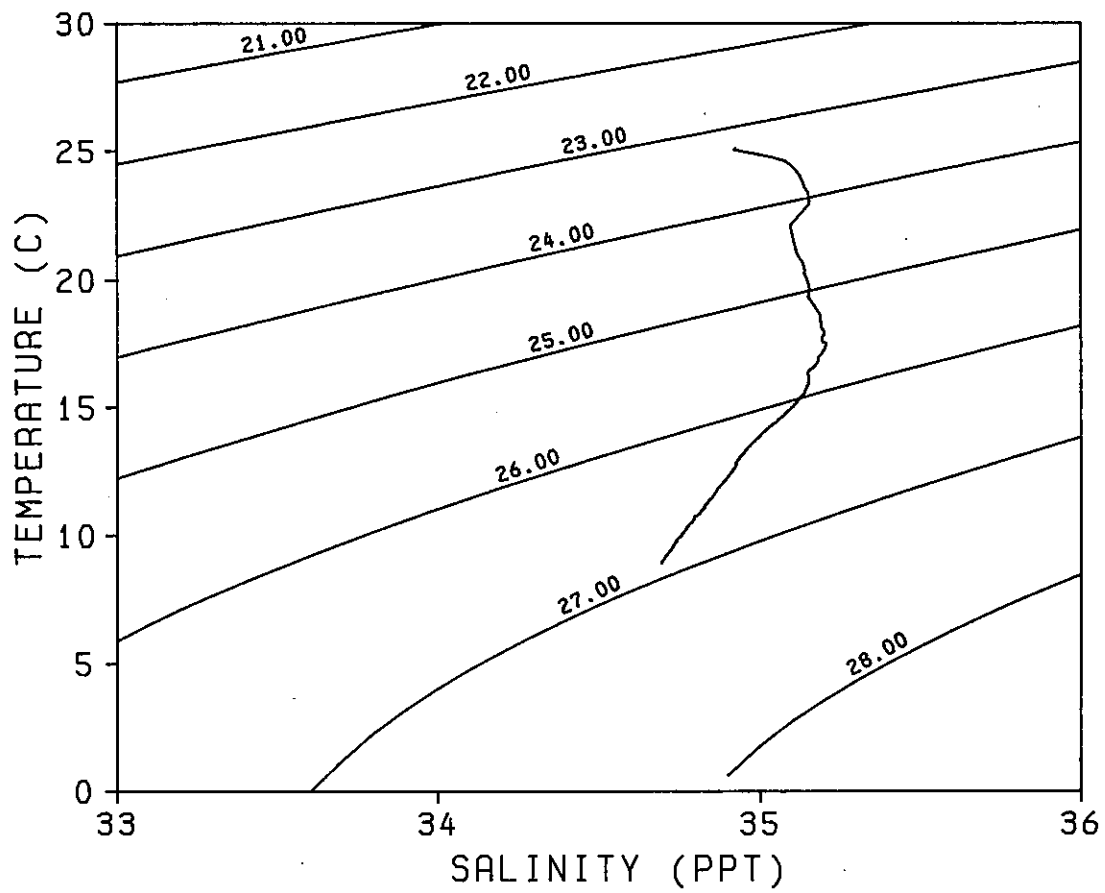




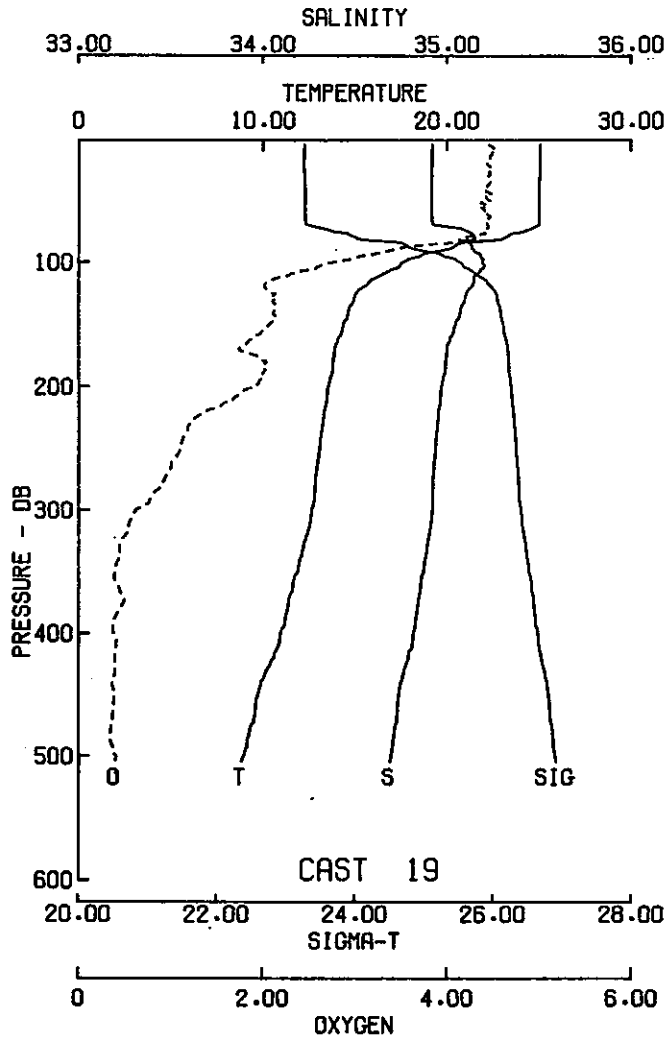
CAST EP4-82-RS-018 DATE 01 NOV 82 TIME 1930 GMT
 LAT 4 31.8S LONG 094 58.5W WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 145 T SPD 16 KT VISIBILITY 9
 CLOUD 8 AMOUNT 3 DRY 23.0 WET 20.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	25.108	34.825	4.55	23.195	0.000
5	25.098	34.861	4.51	23.225	
10	25.093	34.883	4.49	23.243	.047
20	25.074	34.888	4.52	23.262	.093
30	25.051	34.887	4.51	23.286	.139
40	25.044	34.886	4.50	23.261	.186
50	25.035	34.892	4.44	23.267	.232
60	24.201	35.131	4.42	23.699	.276
70	22.793	35.217	4.20	24.175	.316
80	21.705	35.354	3.89	24.587	.353
90	17.302	35.192	3.07	25.606	.383
100	15.766	35.132	2.23	25.919	.405
110	15.360	35.131	2.12	26.010	.425
120	14.967	35.100	2.06	26.073	.441
130	14.643	35.076	2.08	26.125	.465
140	14.442	35.047	1.99	26.147	.484
150	14.172	35.023	1.88	26.186	.503
160	14.005	35.010	1.98	26.211	.522
170	13.871	34.998	1.89	26.230	.541
180	13.785	34.992	1.97	26.243	.559
190	13.691	34.985	1.77	26.257	.577
200	13.605	34.977	1.71	26.269	.596
250	13.041	34.936	1.14	26.353	.684
300	12.638	34.920	.64	26.423	.770
350	11.869	34.873	.42	26.533	.853
400	10.860	34.809	.36	26.671	.930
450	9.745	34.743	.40	26.813	1.000
500	8.828	34.691	.38	26.923	1.064
503	8.824	34.691	.38	26.923	

CAST EP4-82-RS-019 DATE 01 NOV 82 TIME 2343 GMT
LAT 4 00.6S LONG 095 00.0W



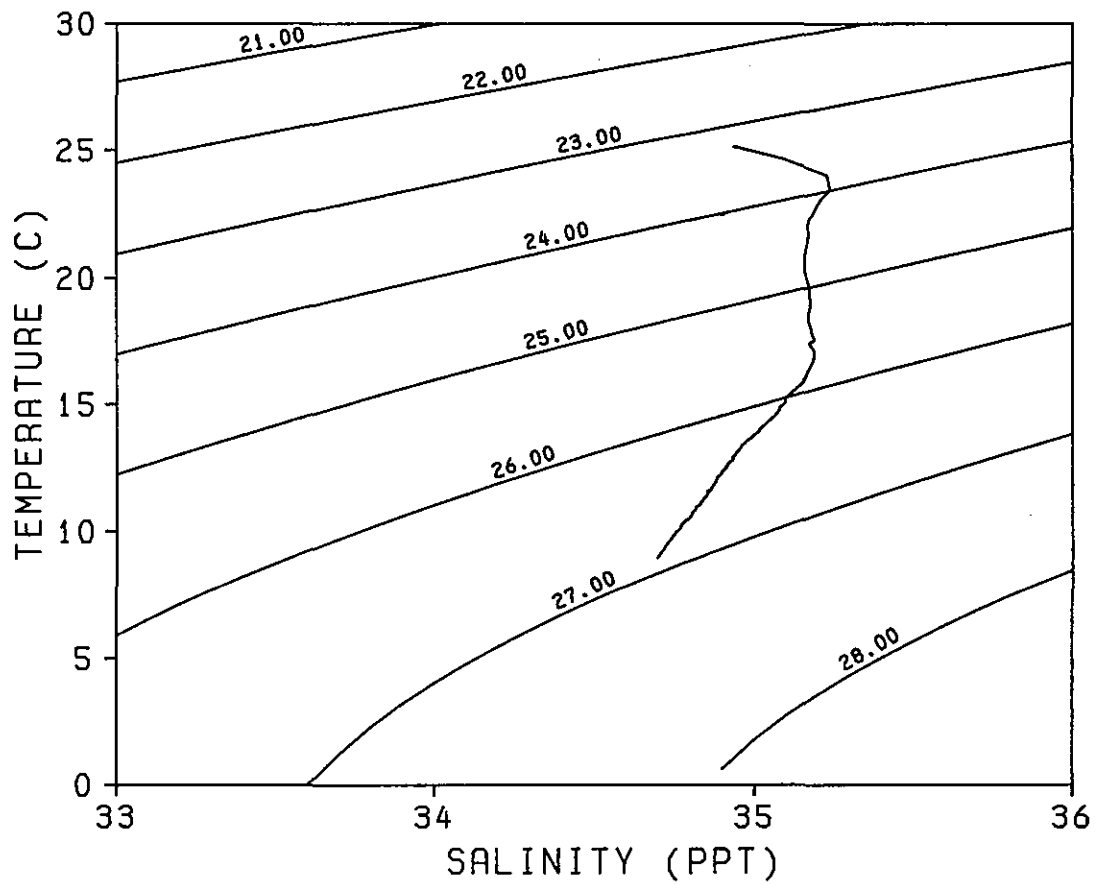
CAST FP4-82-RS-019 DATE 01 NOV 82 TIME 2343 GMT
 LAT 4 00.6S LONG 105 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 99 WIND DIR 175 T SPD 14 KT VISIBILITY 3
 CLOUD 8 AMOUNT 3 DRY 24.6 WET 23.0 DEPTH 3687 M



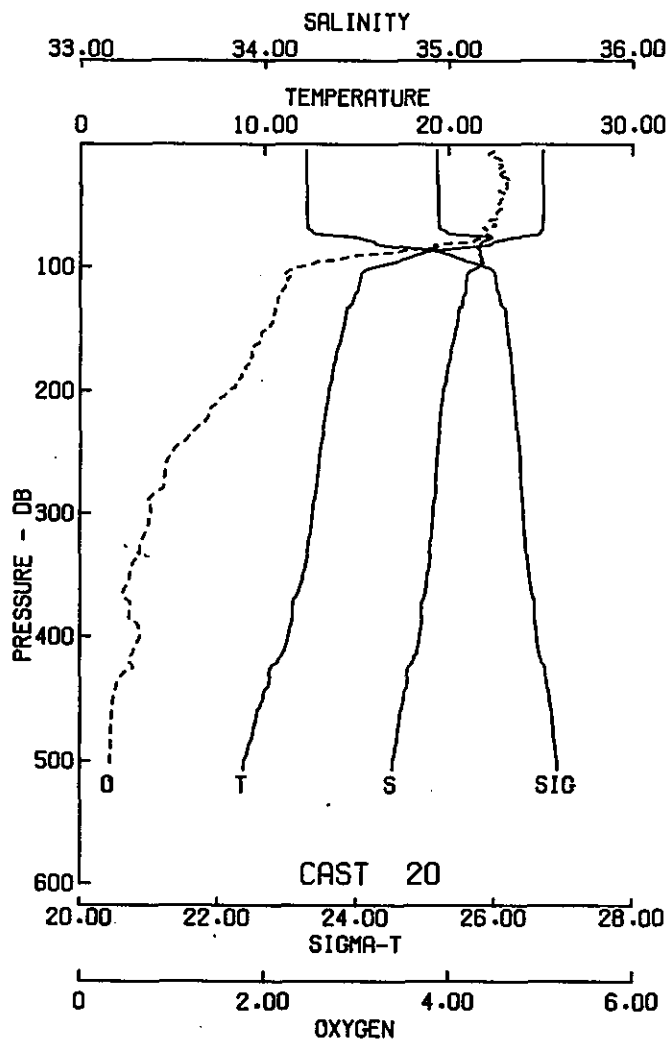
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-SI (DYA-M)
0.	25.079	34.924	4.37	23.278	0.000
4.	25.085	34.922	4.46	23.275	
10.	25.091	34.921	4.53	23.272	.046
20.	25.094	34.921	4.43	23.281	.092
30.	25.058	34.919	4.45	23.287	.139
40.	25.037	34.919	4.45	23.288	.185
50.	25.034	34.919	4.47	23.290	.231
60.	25.031	34.920	4.47	23.290	.277
70.	24.999	34.934	4.44	23.316	.323
80.	23.207	35.151	4.22	24.006	.369
90.	19.996	35.146	3.44	24.891	.460
100.	17.723	35.192	2.82	25.503	.498
110.	16.529	35.164	2.31	25.768	.452
120.	15.471	35.136	2.02	25.989	.473
130.	14.978	35.098	2.15	26.069	.493
140.	14.670	35.073	2.12	26.118	.513
150.	14.409	35.047	2.09	26.153	.533
160.	14.165	35.021	1.92	26.185	.551
170.	13.925	35.001	1.74	26.220	.570
180.	13.830	34.994	2.04	26.235	.589
190.	13.751	34.990	2.00	26.241	.507
200.	13.589	34.973	1.92	26.269	.622
250.	13.116	34.939	1.11	26.340	.715
300.	12.678	34.922	.64	26.414	.801
350.	11.912	34.873	.41	26.525	.884
400.	10.988	34.820	.38	26.656	.961
450.	9.762	34.740	.39	26.808	1.032
500.	8.992	34.699	.42	26.903	1.097
505.	8.868	34.693	.41	26.918	

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CAST EP4-82-RS-020 DATE 02 NOV 82 TIME 0352 GMT
LAT 3 30.1S LONG 095 01.3W



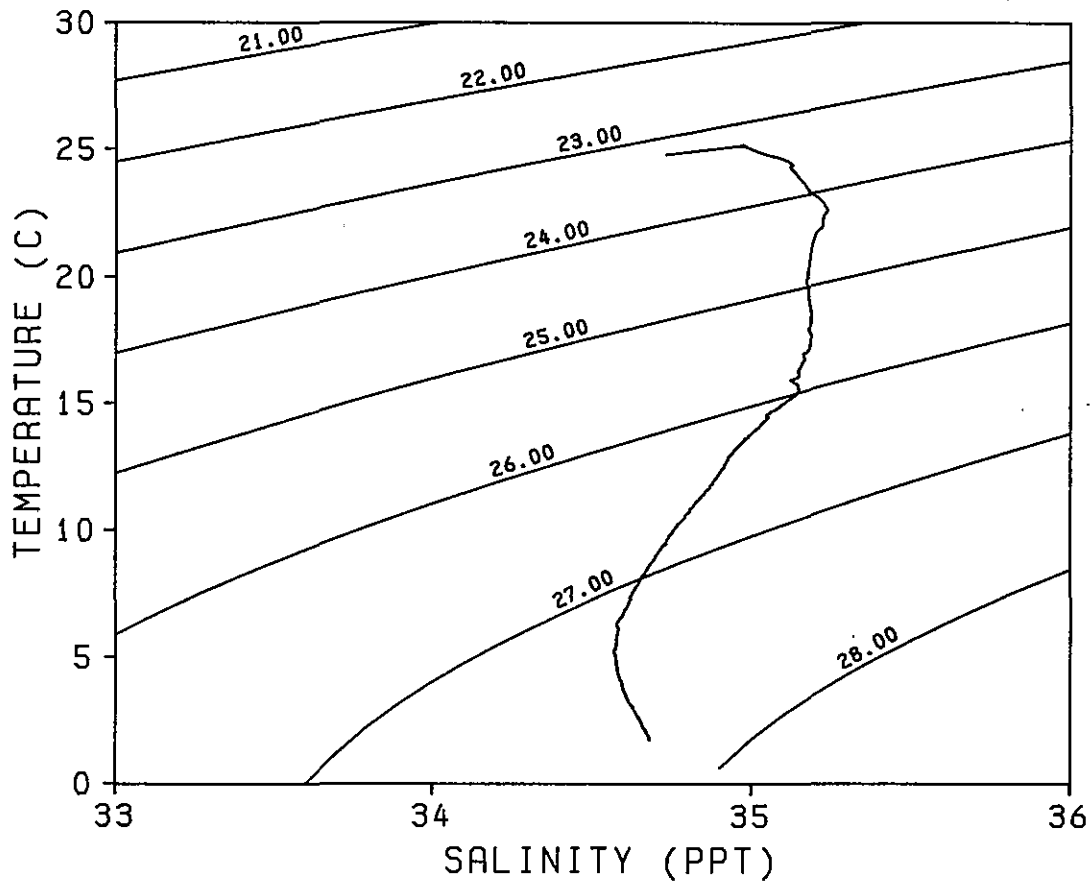
173



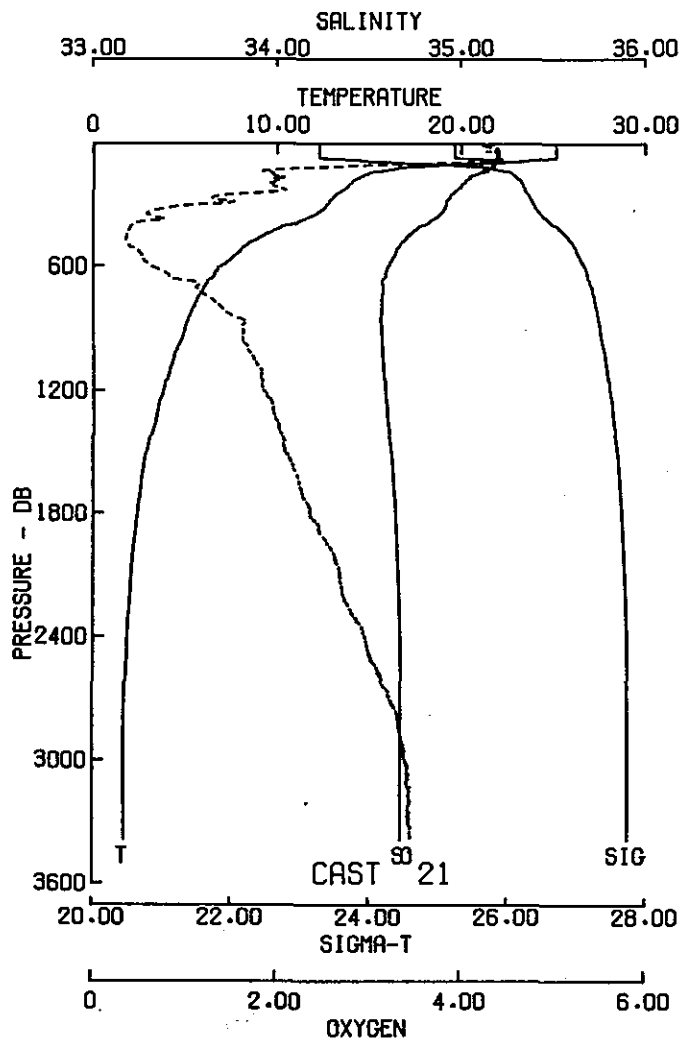
CAST EP4-R2-RS-020 DATE 02 NOV 82 TIME 0352 GMT
 LAT 33.15 LONG 095 01.3W WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 160 T SPD 15 KT VISIBILITY 7
 CLOUD 6 AMOUNT 4 DRY 23.0 WFT 19.1 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-M)
0	25.084	34.937	4.58	23.287	0.000
5	25.117	34.936	4.49	23.276	
10	25.116	34.938	4.49	23.278	.046
20	25.119	34.940	4.54	23.278	.092
30	25.119	34.941	4.66	23.279	.128
40	25.118	34.942	4.60	23.280	.185
50	25.123	34.942	4.54	23.278	.231
60	25.117	34.945	4.52	23.284	.277
70	25.017	34.971	4.42	23.332	.323
80	22.343	35.175	4.14	24.073	.365
90	18.275	35.170	3.09	25.351	.497
100	16.626	35.159	2.37	25.881	.421
110	15.226	35.097	2.25	26.014	.443
120	15.022	35.094	2.20	26.057	.462
130	14.769	35.077	2.14	26.101	.482
140	14.383	35.048	2.11	26.159	.501
150	14.243	35.035	2.02	26.180	.522
160	14.116	35.024	1.95	26.198	.539
170	13.904	35.010	1.86	26.232	.557
180	13.757	34.996	1.80	26.252	.575
190	13.681	34.988	1.73	26.262	.594
200	13.522	34.972	1.61	26.282	.612
250	13.023	34.939	1.01	26.359	.701
300	12.638	34.917	.77	26.418	.787
350	12.088	34.882	.55	26.498	.870
400	11.312	34.843	.36	26.615	.949
450	9.929	34.755	.36	26.791	1.021
500	8.922	34.699	.33	26.914	1.086
507	8.915	34.698	.33	26.915	

CAST EP4-82-RS-021 DATE 02 NOV 82 TIME 0840 GMT
LAT 2 59.4S LONG 094 59.5W



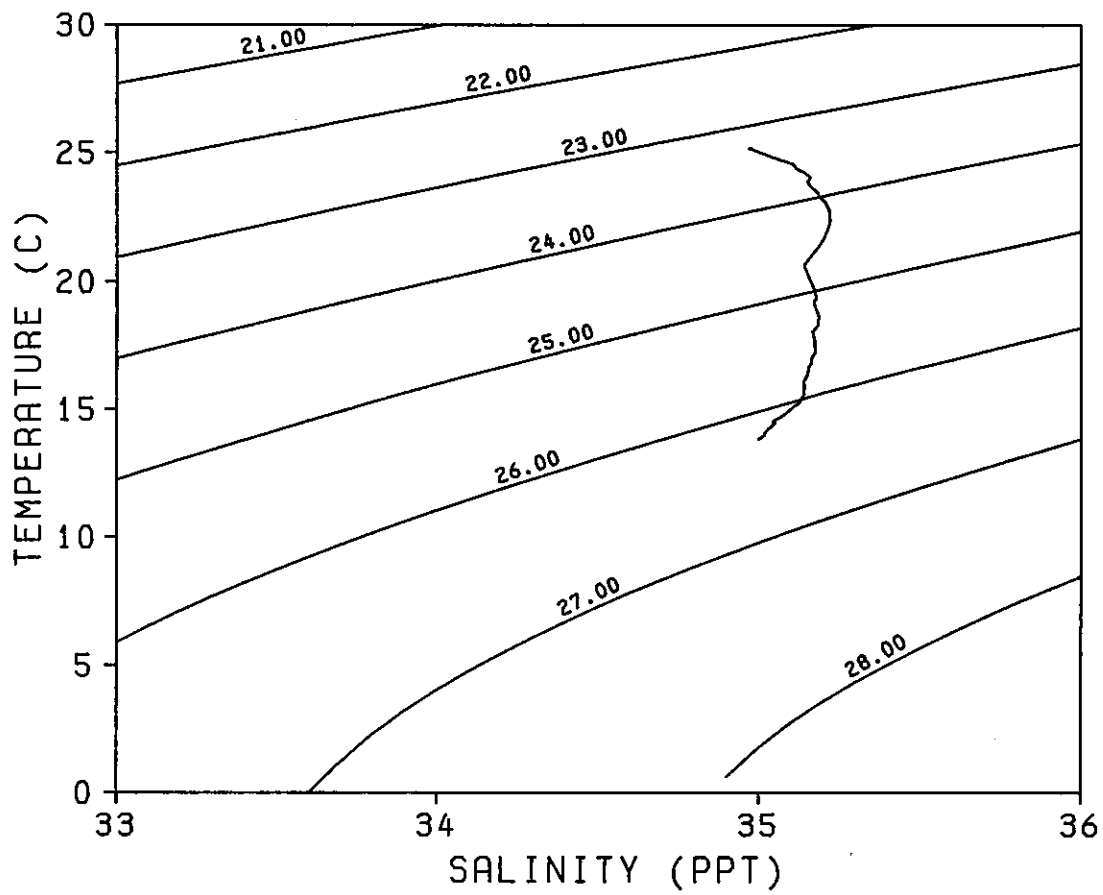
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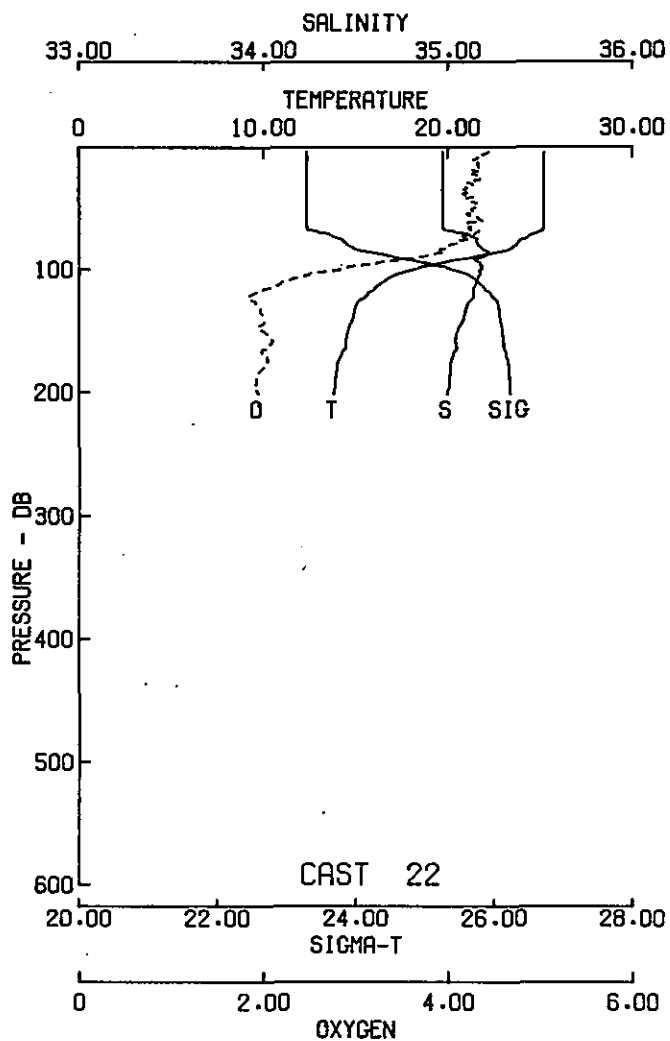
CAST EP4-82-RS-021 DATE 02 NOV 82 TIME 0840 GMT
 LAT 2 59.4S LONG 094 59.5W WEATHER 2 SEA STATE 4
 BAROMETER 10 WIND DIR 180 T SPD 18 KT VISIBILITY 9
 CLOUD 8 AMOUNT 8 DRY 24.0 WET 19.8 DEPTH. M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.121	34.948	4.24	23.284	0.000
5.	25.146	34.962	4.32	23.287	
10.	25.167	34.968	4.23	23.285	.046
20.	25.176	34.967	4.31	23.281	.092
30.	25.176	34.968	4.38	23.282	.139
40.	25.176	34.968	4.32	23.282	.184
50.	25.180	34.968	4.39	23.281	.231
60.	25.175	34.970	4.41	23.284	.277
70.	25.137	34.962	4.41	23.289	.323
80.	24.266	35.119	4.30	23.576	.368
90.	22.921	35.223	4.10	24.143	.409
100.	20.187	35.175	3.43	24.862	.443
110.	18.229	35.185	2.77	25.373	.472
120.	16.630	35.161	2.31	25.742	.496
130.	16.033	35.148	2.05	25.870	.519
140.	15.136	35.115	1.89	26.048	.540
150.	14.888	35.089	1.97	26.082	.560
160.	14.597	35.051	1.98	26.116	.579
170.	14.450	35.052	2.00	26.148	.599
180.	14.197	35.029	2.02	26.185	.618
190.	14.064	35.022	1.98	26.208	.637
200.	13.919	35.004	1.94	26.227	.655
250.	13.252	34.951	1.54	26.322	.747
300.	12.746	34.921	1.18	26.400	.834
350.	12.049	34.889	.62	26.511	.918
400.	10.699	34.805	.43	26.696	.995
450.	9.369	34.720	.38	26.858	1.063
500.	8.412	34.671	.40	26.973	1.125
550.	7.787	34.641	.54	27.043	1.182
600.	7.071	34.610	.64	27.122	1.236
650.	6.619	34.594	.84	27.172	1.287
700.	6.094	34.580	1.13	27.230	1.336
750.	5.739	34.573	1.28	27.270	1.382
800.	5.484	34.572	1.41	27.306	1.427
850.	5.209	34.565	1.57	27.327	1.471
900.	5.026	34.570	1.64	27.352	1.513
950.	4.862	34.573	1.64	27.374	1.554
1000.	4.602	34.576	1.70	27.406	1.594
1500.	2.975	34.627	2.11	27.612	1.937
2000.	2.214	34.658	2.62	27.702	2.206
2500.	1.876	34.674	3.02	27.742	2.445
3000.	1.732	34.677	3.40	27.755	2.675
3389.	1.759	34.674	3.45	27.751	

CAST EP4-82-RS-022 DATE 02 NOV 82 TIME 1201 GMT
LAT 2 58.8S LONG 095 00.5W

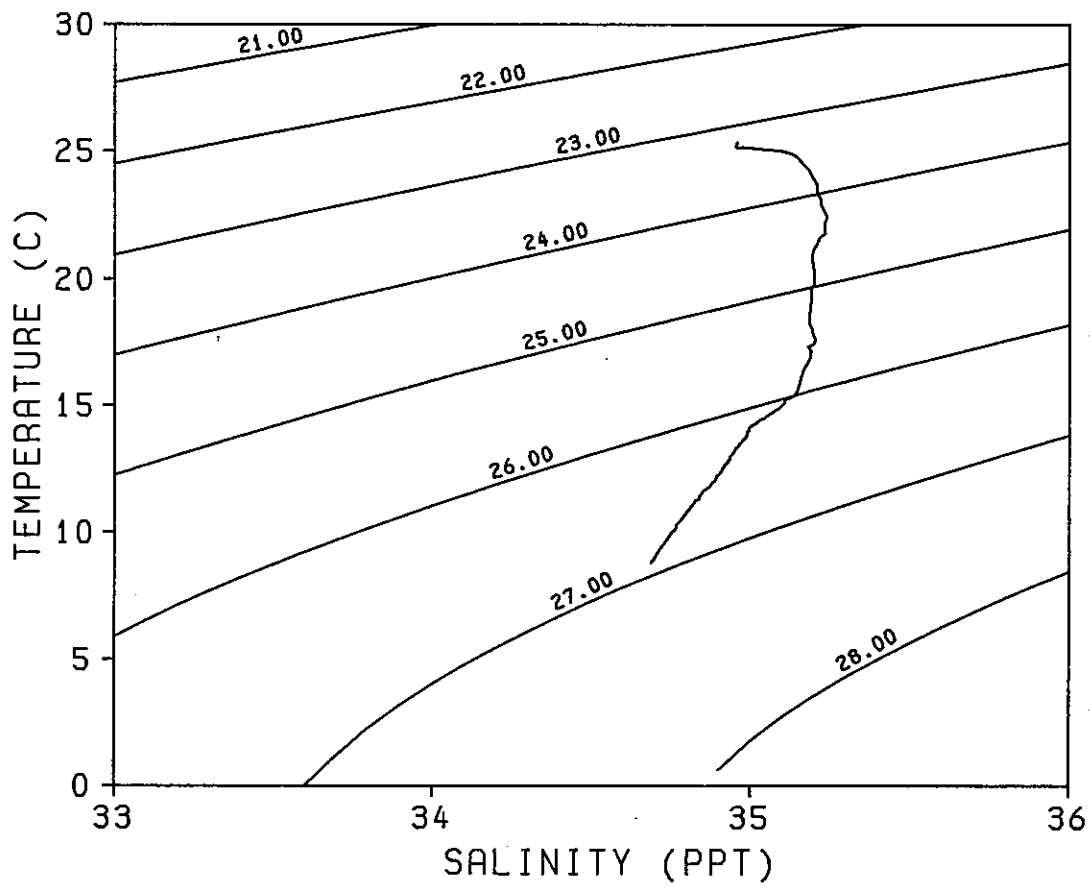


CAST EP4-82-RS-822 DATE 02 NOV 82 TIME 1201 GMT
 LAT 258.8S LONG 095.5W WFAZHER 2 SEA STATE 2
 BAROMETR 09 WIND DIR 150 T SPD 17 KT VISIBILITY 6
 CLOUD 6 AMOUNT 6 DRY 24.0 WET 20.0 DEPTH M

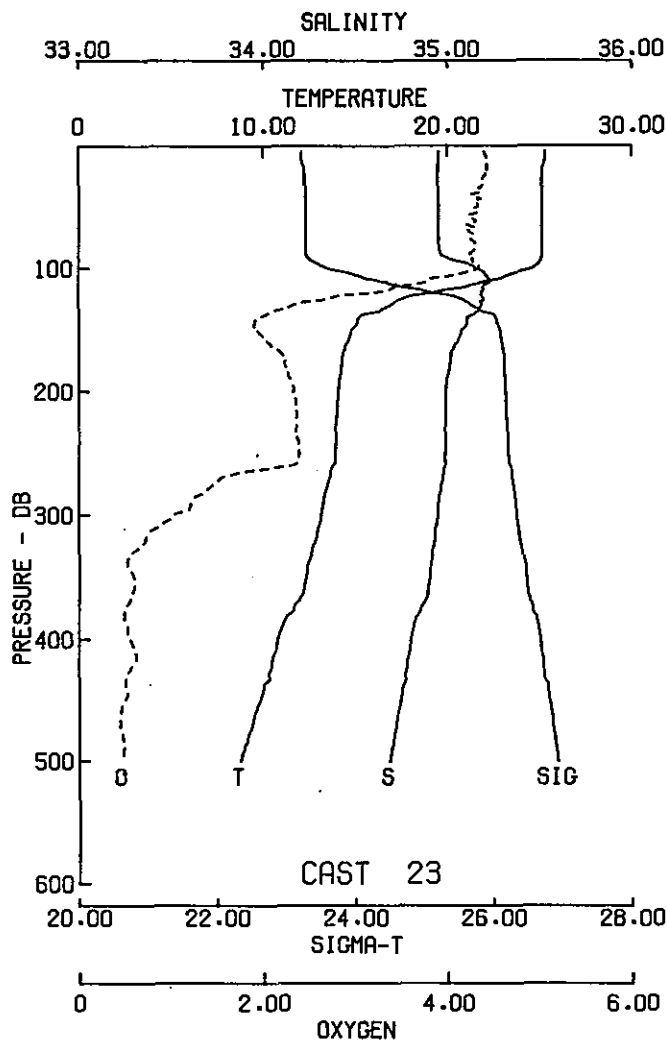


PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-F)
0.	25.204	34.967	4.62	23.273	0.000
4.	25.174	34.969	4.45	23.283	
10.	25.152	34.969	4.31	23.291	.046
20.	25.165	34.970	4.35	23.297	.000
30.	25.166	34.970	4.26	23.307	.184
40.	25.167	34.971	4.25	23.308	.184
50.	25.167	34.971	4.29	23.308	.277
60.	25.166	34.972	4.36	23.308	.277
70.	24.797	35.045	4.31	23.455	.342
80.	24.678	35.161	4.03	23.876	.365
90.	21.382	35.187	3.71	24.549	.403
100.	18.277	35.184	2.87	25.361	.433
110.	16.569	35.152	2.26	25.750	.450
120.	15.654	35.140	1.92	25.951	.479
130.	15.031	35.104	1.94	26.062	.500
140.	14.848	35.086	2.00	26.088	.510
150.	14.588	35.053	1.98	26.119	.530
160.	14.461	35.042	2.09	26.130	.550
170.	14.239	35.036	2.02	26.177	.570
180.	14.013	35.015	2.02	26.213	.590
190.	13.916	35.088	1.93	26.228	.615
200.	13.832	34.999	1.94	26.239	.633
202.	13.823	34.997	1.95	26.239	

CAST EP4-82-RS-023 DATE 02 NOV 82 TIME 2344 GMT
LAT 2 33.2S LONG 094 59.7W

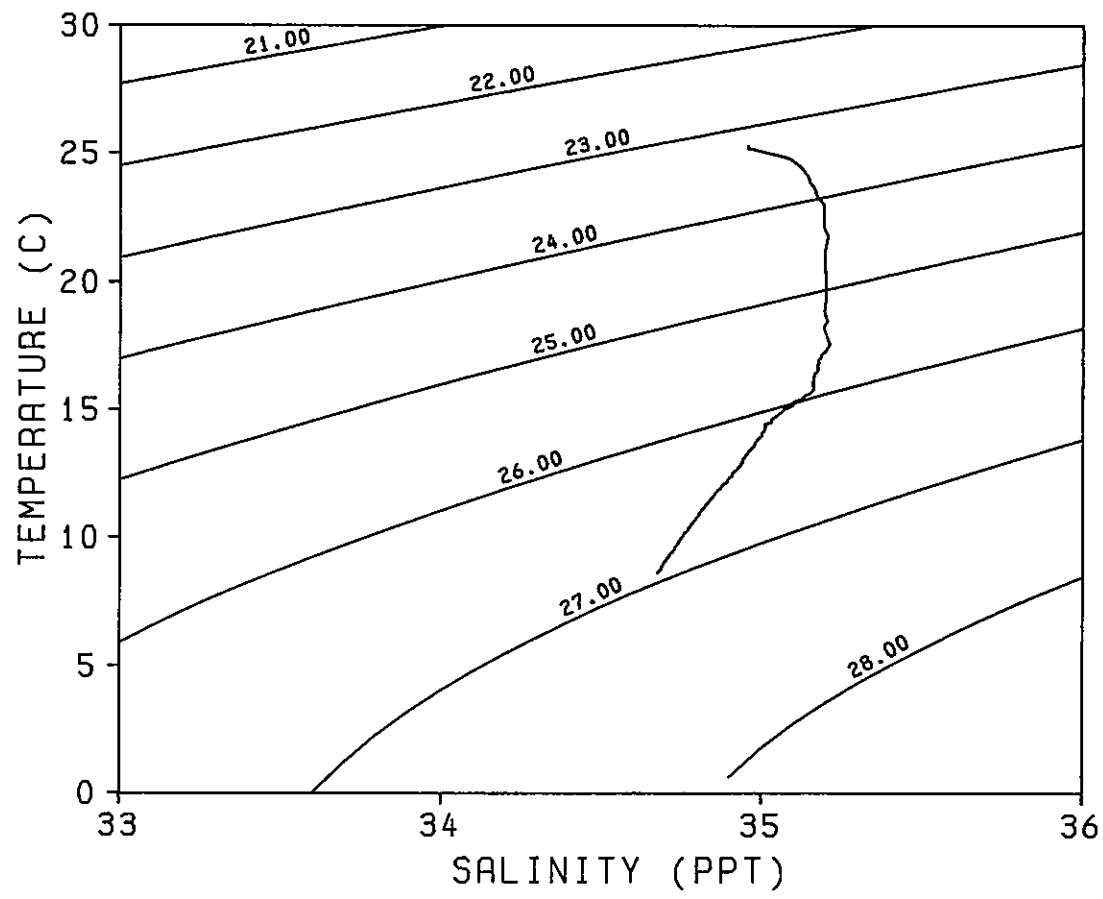


CAST EP4-82-RS-023 DATE 02 NOV 82 TIME 2344 GMT
 LAT 2 33.28 LONG 094 59.7W WEATHER 2 SEA STATE 2
 BAROMETER 08 WIND DIR 175 T SPD 08 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 DRY 24.9 WET 20.2 DPTH 3496 M

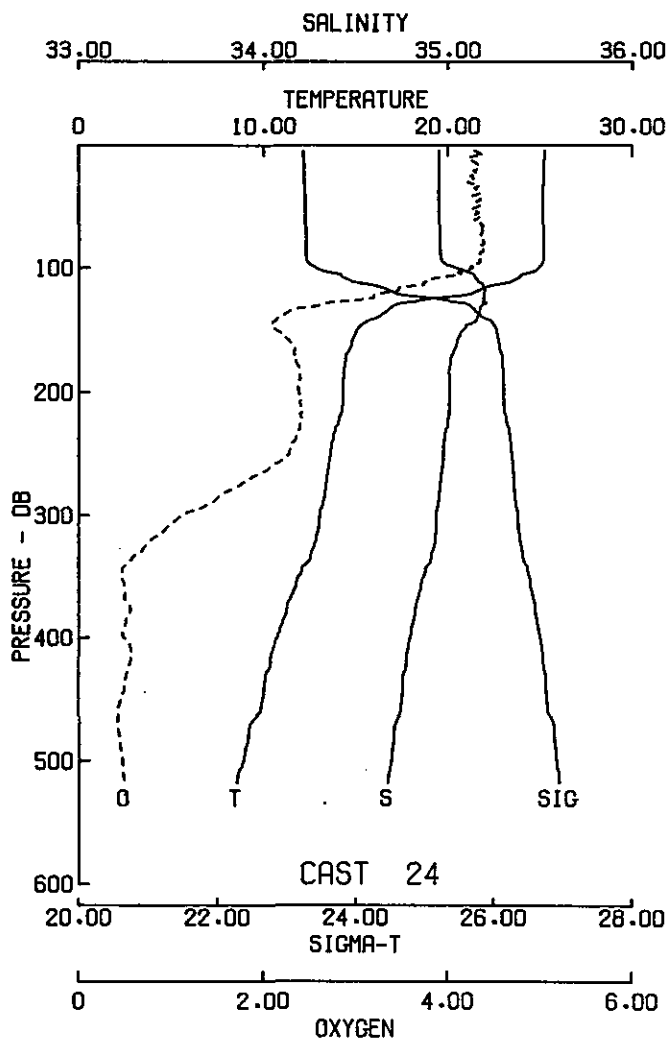


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.278	34.962	4.39	23.246	0.000
5.	25.311	34.957	4.40	23.232	
10.	25.310	34.957	4.43	23.233	.047
20.	25.161	34.953	4.44	23.275	.093
30.	25.143	34.953	4.36	23.280	.139
40.	25.132	34.953	4.26	23.284	.185
50.	25.127	34.954	4.34	23.286	.231
60.	25.125	34.954	4.28	23.287	.278
70.	25.124	34.954	4.23	23.287	.324
80.	25.123	34.956	4.31	23.289	.370
90.	25.125	34.970	4.24	23.299	.416
100.	24.668	35.151	4.34	23.574	.462
110.	25.444	35.233	3.83	23.291	.508
120.	19.228	35.189	3.19	23.124	.553
130.	15.947	35.186	2.33	23.686	.599
140.	15.212	35.105	1.95	23.623	.641
150.	14.802	35.081	1.91	23.094	.686
160.	14.592	35.054	2.05	23.120	.728
170.	14.320	35.019	2.21	23.150	.769
180.	14.262	35.014	2.25	23.159	.809
190.	14.152	34.998	2.30	23.171	.849
200.	14.103	34.995	2.34	23.178	.888
250.	13.909	34.987	2.39	23.213	.927
300.	13.159	34.947	1.04	23.337	.967
350.	12.307	34.904	.60	23.473	1.004
400.	10.788	34.801	.56	23.677	1.040
450.	9.831	34.744	.50	23.800	1.071
500.	8.771	34.687	.48	23.929	1.104
501.	8.756	34.687	.48	23.931	1.118

CAST EP4-82-RS-024 DATE 03 NOV 82 TIME 0414 GMT
LAT 2 00.8S LONG 095 01.1W

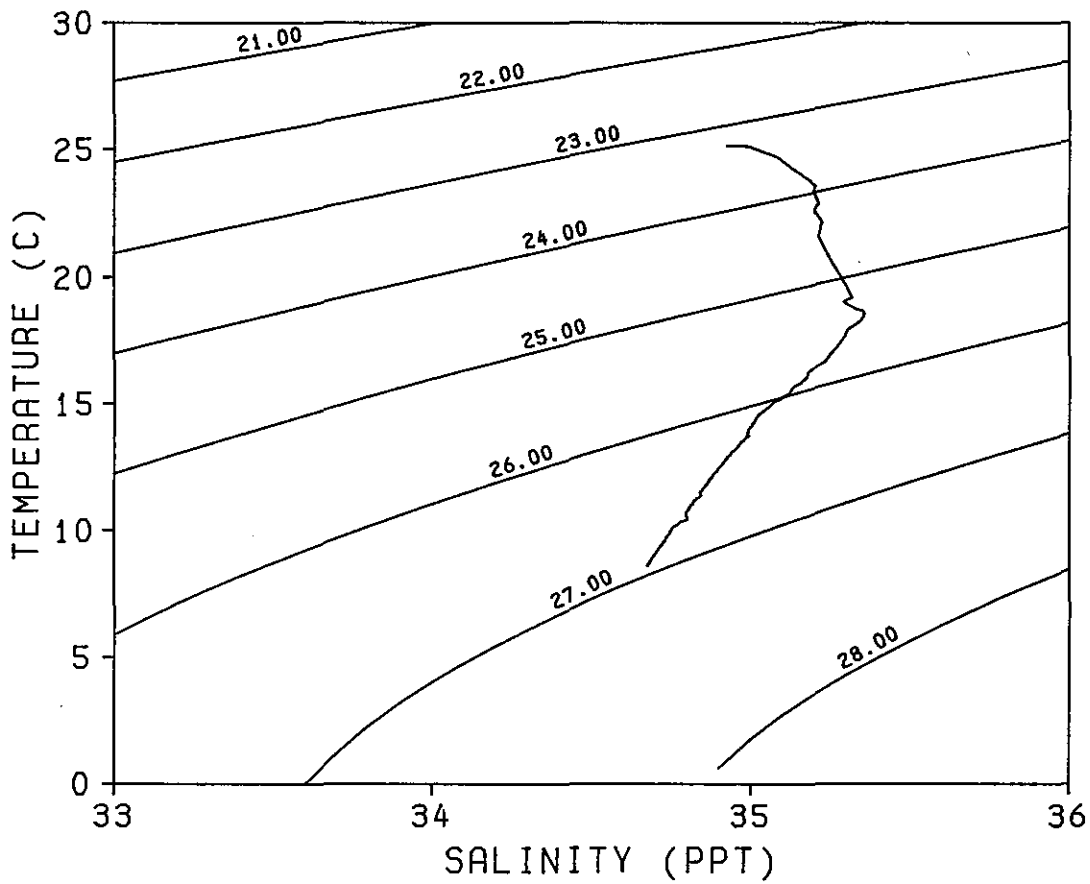


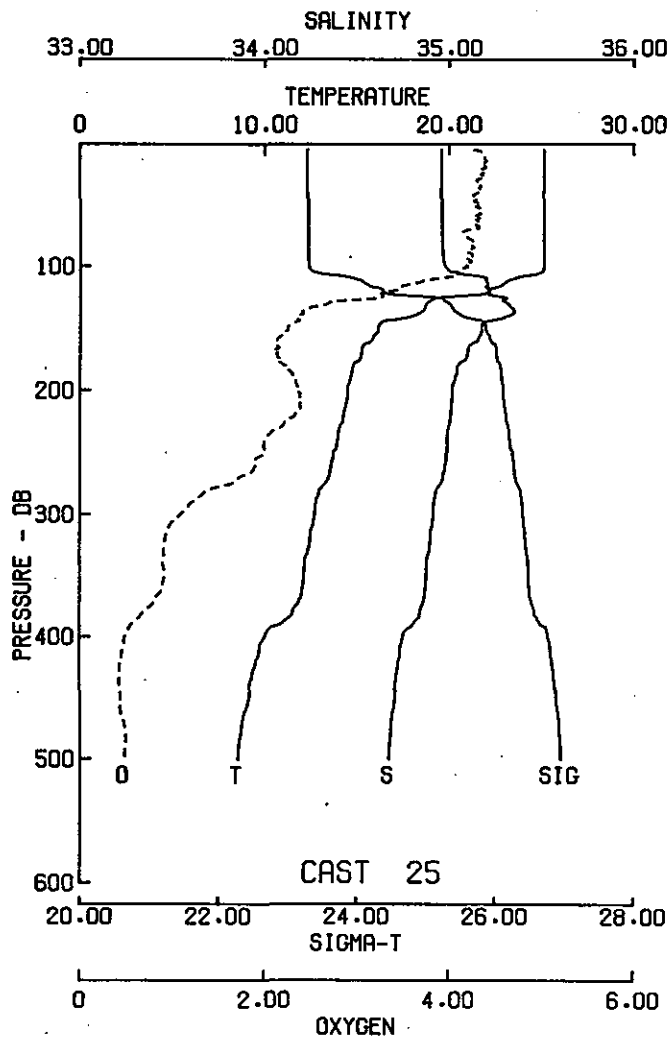
CAST EPA-82-RS-024 DATE 03 NOV 82 TIME 0414 GMT
 LAT 2 05.8S LONG 195 01.1W WEATHFP 1 SEA STATE 2
 BAROMETER 11 WIND DIR 200 T SPD 12 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 DRY 23.0 WET 21.0 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DM-K)
0.	25.236	34.950	4.18	23.250	0.000
5.	25.269	34.954	4.29	23.243	
10.	25.249	34.954	4.25	23.249	.046
20.	25.216	34.955	4.22	23.259	.093
30.	25.227	34.955	4.22	23.257	.135
40.	25.167	34.954	4.33	23.274	.185
50.	25.164	34.955	4.33	23.275	.232
60.	25.164	34.955	4.32	23.276	.276
70.	25.162	34.956	4.38	23.277	.324
80.	25.162	34.958	4.39	23.278	.371
90.	25.163	34.951	4.36	23.281	.417
100.	24.922	35.039	4.27	23.412	.463
110.	23.657	35.162	3.82	23.899	.506
120.	21.454	35.194	3.42	24.537	.543
130.	17.247	35.194	2.64	25.621	.573
140.	16.300	35.160	2.18	25.813	.596
150.	15.099	35.088	2.12	26.032	.617
160.	14.795	35.049	2.28	26.072	.637
170.	14.470	35.025	2.34	26.124	.657
180.	14.398	35.009	2.39	26.126	.677
190.	14.342	35.010	2.41	26.139	.696
200.	14.316	35.009	2.39	26.144	.715
250.	13.637	34.977	2.28	26.262	.810
300.	13.053	34.940	1.14	26.433	.901
350.	11.917	34.872	.47	26.523	.986
400.	10.785	34.799	.49	26.676	1.062
450.	9.981	34.755	.46	26.783	1.133
500.	8.512	34.695	.47	26.913	1.198
518.	8.574	34.677	.50	26.952	

CAST EP4-82-RS-025 DATE 03 NOV 82 TIME 0858 GMT
LAT 1 31.1S LONG 094 59.9W

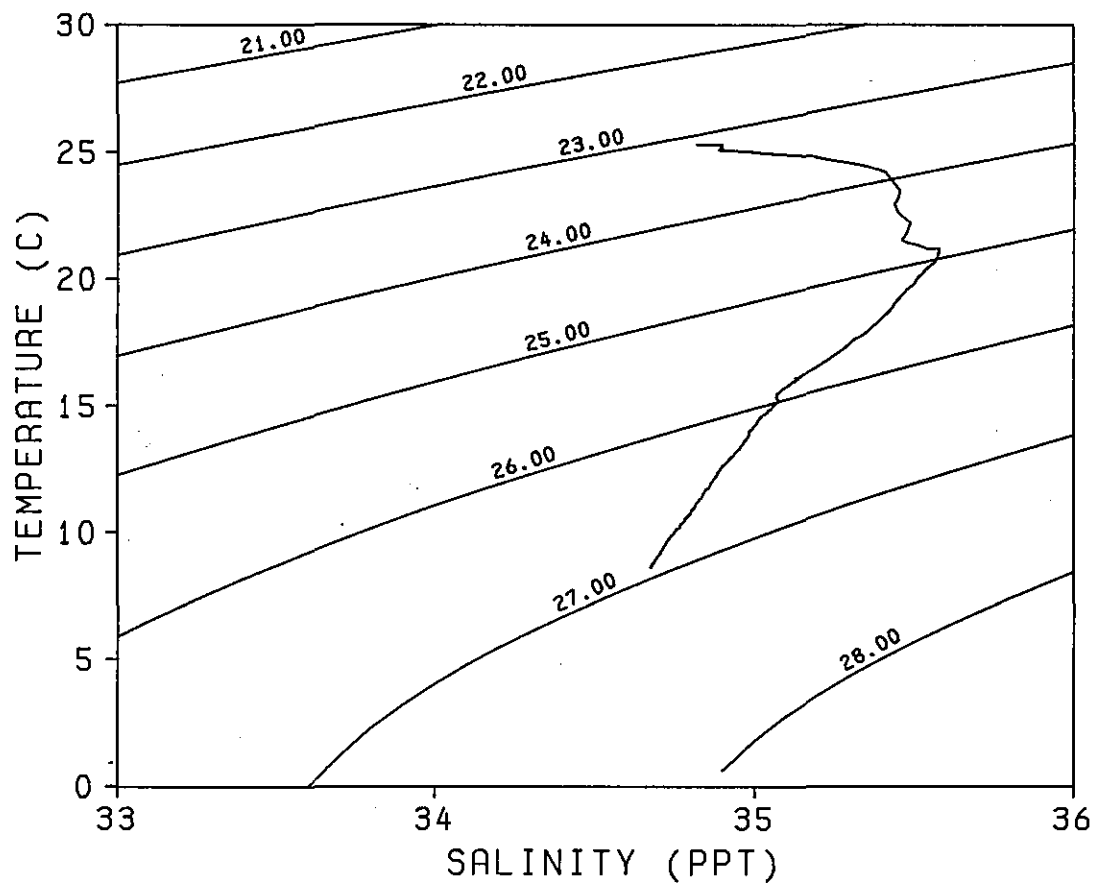


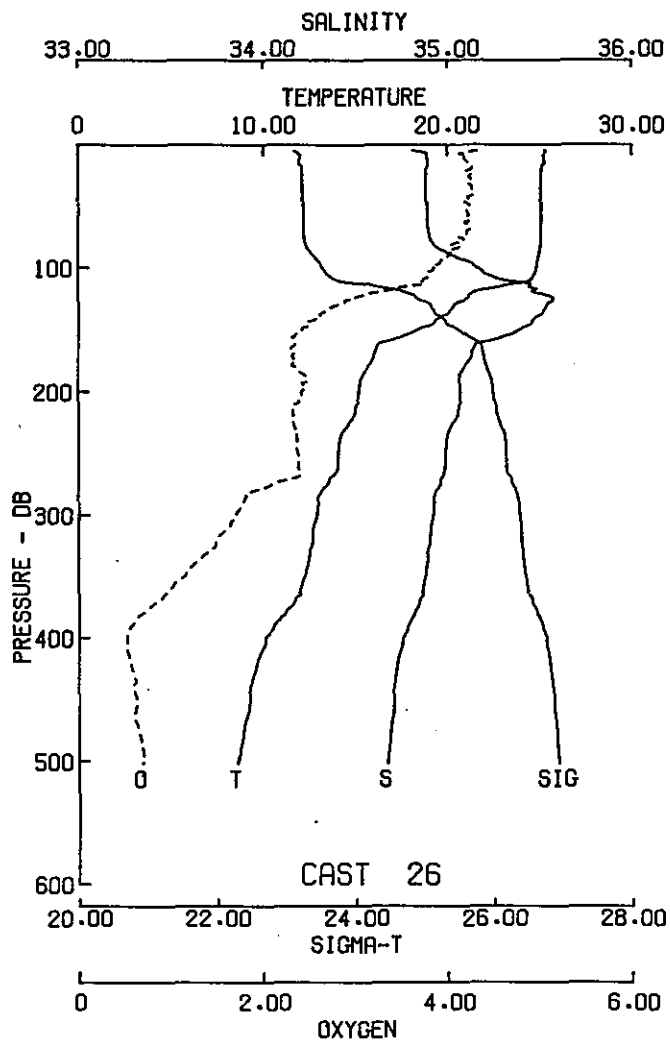


CAST EP4-82-RS-025 DATE 03 NOV 82 TIME 0858 GMT
 LAT 1 31.15 LONG 094 59.9W WEATHER 1 SEA STATE 4
 BAROMETER 11 WIND DIR 205 T SPD 09 KT VISIBILITY 9
 CLOUD 8 AMOUNT 5 DRY 24.8 WET 21.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.121	34.960	4.67	23.293	0.000
5.	25.148	34.959	4.27	23.284	
10.	25.157	34.959	4.38	23.281	.046
20.	25.160	34.959	4.39	23.280	.092
30.	25.162	34.960	4.29	23.280	.138
40.	25.159	34.958	4.31	23.288	.185
50.	25.126	34.958	4.34	23.290	.231
60.	25.127	34.959	4.28	23.290	.277
70.	25.126	34.960	4.26	23.291	.323
80.	25.128	34.961	4.26	23.292	.369
90.	25.131	34.965	4.24	23.293	.416
100.	25.119	34.977	4.19	23.306	.462
110.	23.548	35.201	3.91	23.445	.508
120.	22.092	35.223	3.38	23.379	.554
130.	18.785	35.316	2.68	23.334	.575
140.	18.104	35.325	2.37	23.512	.602
150.	16.153	35.174	2.24	23.863	.625
160.	15.788	35.155	2.13	23.932	.646
170.	15.223	35.098	2.14	23.815	.667
180.	14.797	35.048	2.21	23.070	.687
190.	14.634	35.031	2.31	22.093	.707
200.	14.493	35.019	2.35	22.114	.727
250.	13.709	34.993	2.00	22.260	.823
300.	12.706	34.915	1.09	22.403	.912
350.	12.128	34.877	.92	22.487	.996
400.	10.847	34.753	.49	22.770	1.072
450.	9.159	34.706	.43	22.882	1.139
500.	8.559	34.676	.48	22.953	1.200
501.	8.556	34.676	.48	22.954	

CAST EP4-82-RS-026 DATE 03 NOV 82 TIME 1938 GMT
LAT 1 01.0S LONG 095 06.8W

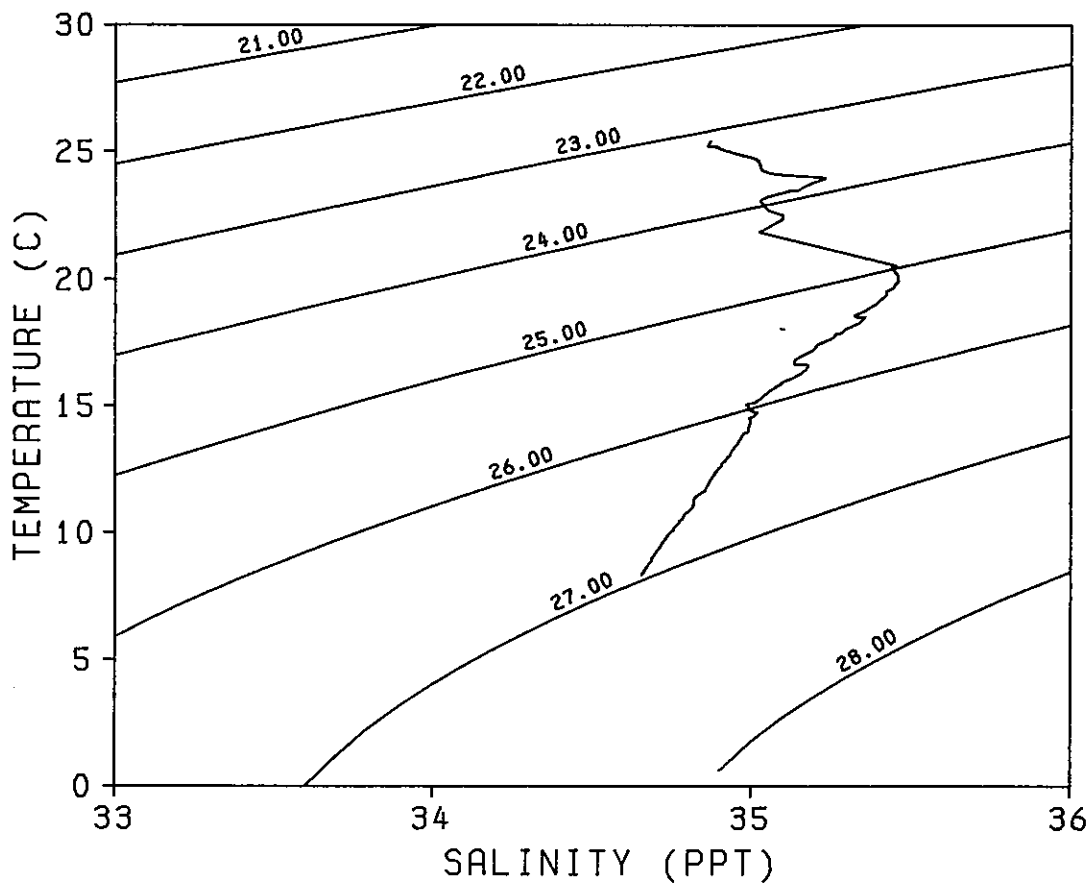




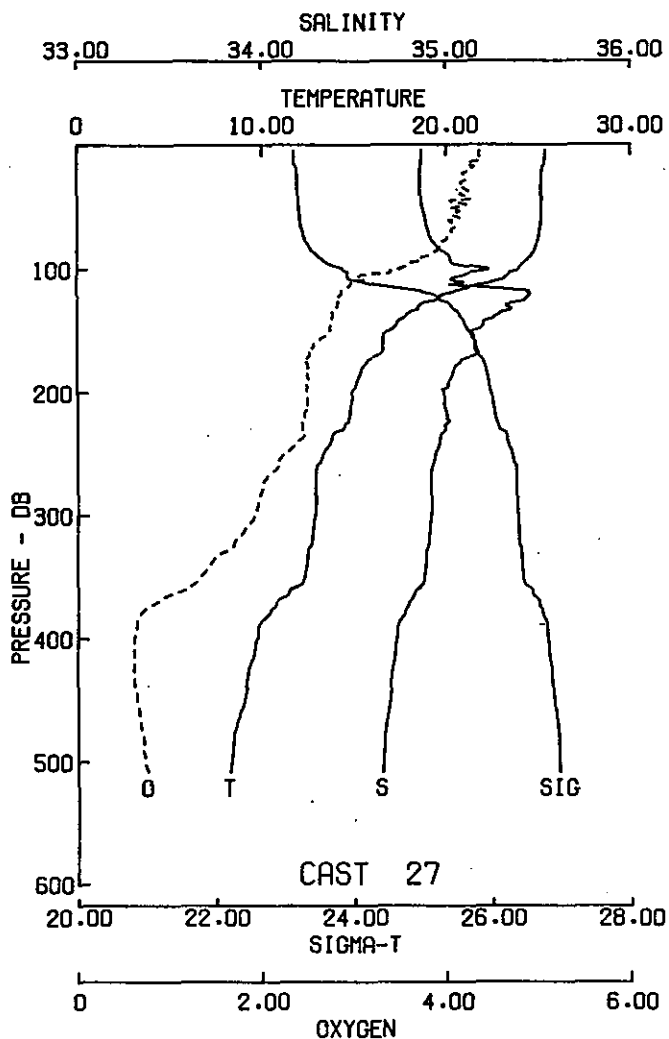
CAST EP4-82-RS-026 DATE 03 NOV 82 TIME 1938 GMT
 LAT 1 01.0S LONG 095 06.8W WEATHER 1 SEA STATE 4
 BAROMETER 10 WIND DIR 170 T SPD 12 KT VISIBILITY 9
 CLOUD 8 AMOUNT 2 DRY 26.2 WET 21.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA- σ (DYN-M)
0.	25.279	34.625	4.61	22.992	0.000
5.	25.320	34.816	4.33	23.124	
10.	25.232	34.890	4.20	23.206	.048
20.	25.124	34.887	4.27	23.236	.094
30.	25.104	34.886	4.25	23.242	.141
40.	25.095	34.889	4.28	23.247	.187
50.	25.089	34.891	4.24	23.251	.234
60.	25.087	34.893	4.23	23.252	.281
70.	25.081	34.899	4.22	23.259	.327
80.	25.066	34.923	4.09	23.281	.374
90.	24.963	35.030	4.02	23.394	.420
100.	24.845	35.163	3.86	23.530	.464
110.	24.533	35.306	3.74	23.732	.507
120.	21.407	35.480	3.21	23.765	.544
130.	20.342	35.536	2.79	23.896	.575
140.	19.531	35.475	2.59	23.926	.604
150.	18.331	35.389	2.42	23.954	.630
160.	16.456	35.188	2.34	23.983	.654
170.	16.028	35.134	2.32	23.986	.677
180.	15.689	35.091	2.37	23.985	.698
190.	15.387	35.067	2.46	23.972	.720
200.	15.204	35.072	2.41	23.999	.741
250.	14.065	34.990	2.38	26.183	.840
300.	12.883	34.920	1.70	26.372	.932
350.	12.265	34.881	1.15	26.464	1.017
400.	10.120	34.759	.53	26.762	1.094
450.	9.239	34.705	.62	26.868	1.160
500.	8.632	34.674	.70	26.941	1.223
502.	8.606	34.673	.69	26.944	

CAST EP4-82-RS-027 DATE 04 NOV 82 TIME 0103 GMT
LAT 0 30.4S LONG 095 10.8W

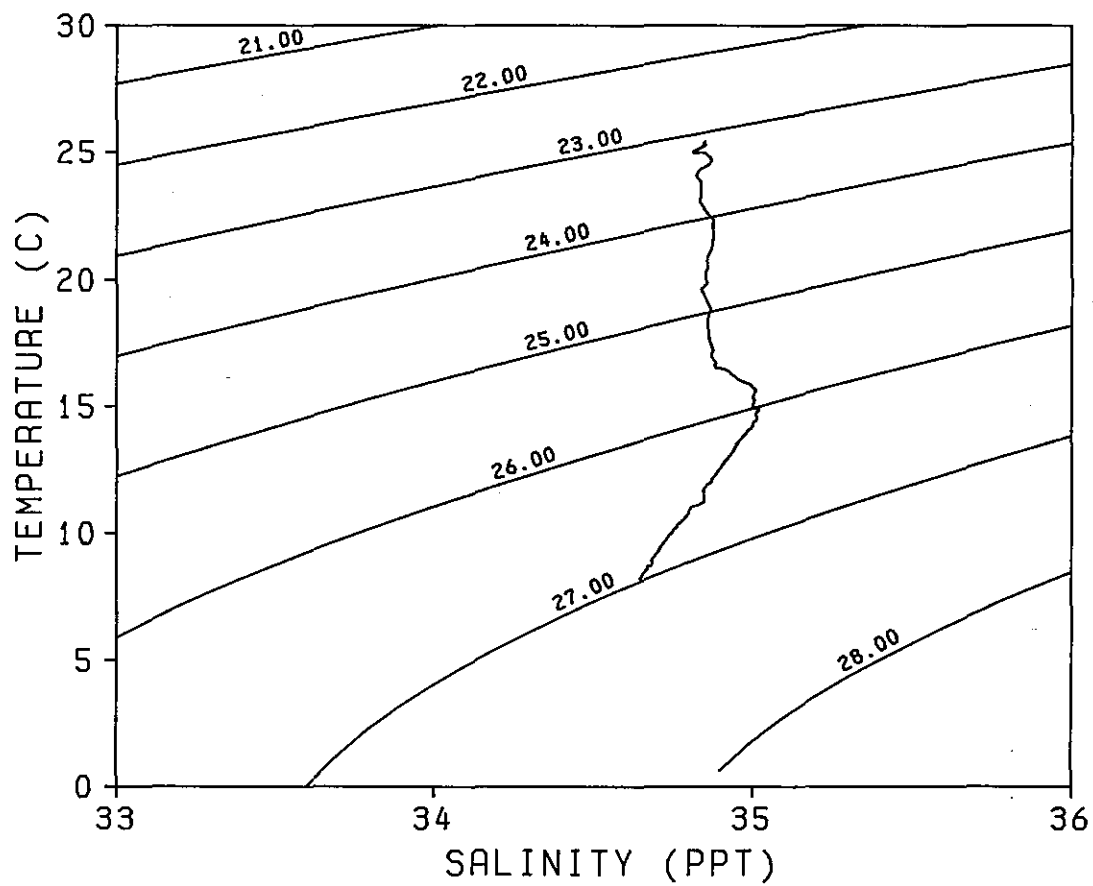


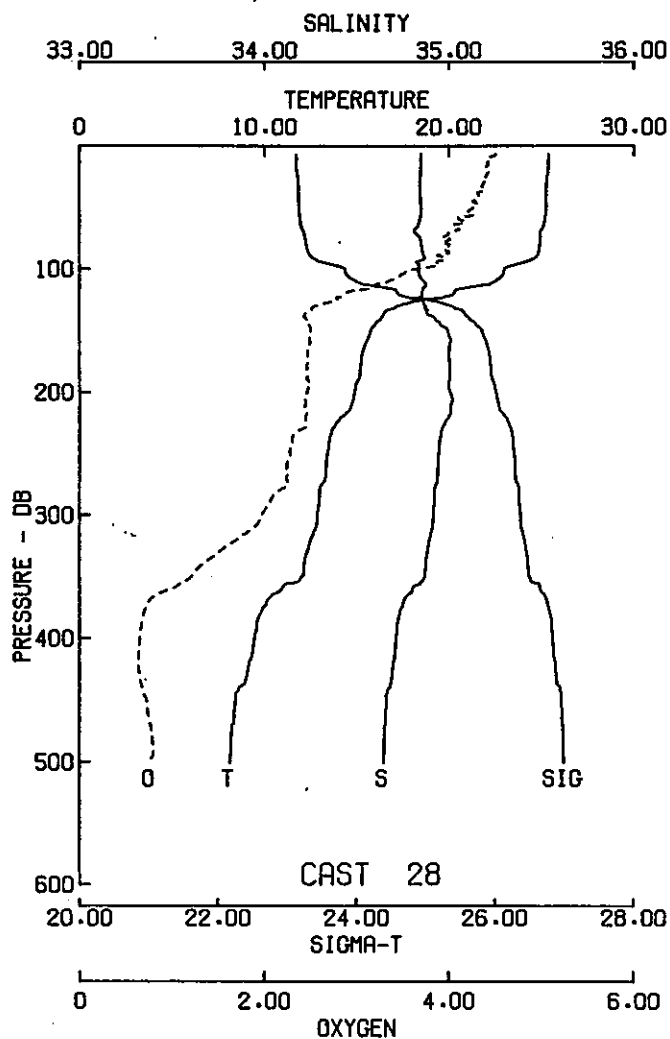
CAST EP4-82-RS-027 DATE 04 NOV 82 TIME 2103 GMT
 LAT 30.45 LONG 121.82 WEATHER 1 SEA STATE 4
 BAROMETER 29 WIND DIR 160 T SPD 07 KT VISIBILITY 7
 CLOUD 6 AMOUNT 3 DRY 24.5 WET 21.0 DEPTH 3272 M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-SI (DYU-M)
0	25.496	34.868	4.36	23.189	0.000
5	25.408	34.869	4.37	23.137	
10	25.379	34.870	4.38	23.145	.047
20	25.221	34.863	4.23	23.166	-.095
30	25.196	34.862	4.17	23.196	.142
40	25.193	34.866	4.16	23.251	.185
50	25.177	34.873	4.13	23.210	.276
60	25.161	34.889	4.12	23.227	.293
70	25.065	34.907	4.07	23.270	.325
80	24.929	34.941	3.94	23.337	.375
90	24.607	34.923	3.80	23.496	.421
100	24.365	34.920	3.58	23.844	.464
110	24.269	34.951	3.52	24.077	.504
120	24.169	34.960	3.37	25.085	.535
130	24.154	34.923	3.23	25.393	.566
140	24.173	34.922	3.17	25.553	.591
150	24.159	34.916	3.16	25.657	.616
160	24.166	34.916	3.17	25.749	.630
170	24.153	34.916	3.12	25.813	.644
180	24.155	34.950	3.01	25.915	.684
190	24.236	34.924	2.99	25.955	.705
200	24.225	34.993	2.99	25.999	.725
250	24.368	34.945	2.96	26.293	.825
300	24.279	34.920	2.93	26.372	.913
350	24.352	34.885	2.85	26.449	.998
400	24.758	34.733	2.65	26.804	1.072
450	24.694	34.694	2.65	26.891	1.136
500	24.365	34.660	2.74	26.971	1.197
509	24.303	34.658	2.78	26.979	

CAST EP4-82-RS-028 DATE 04 NOV 82 TIME 0547 GMT
LAT 00 01.7N LONG 095 15.2W

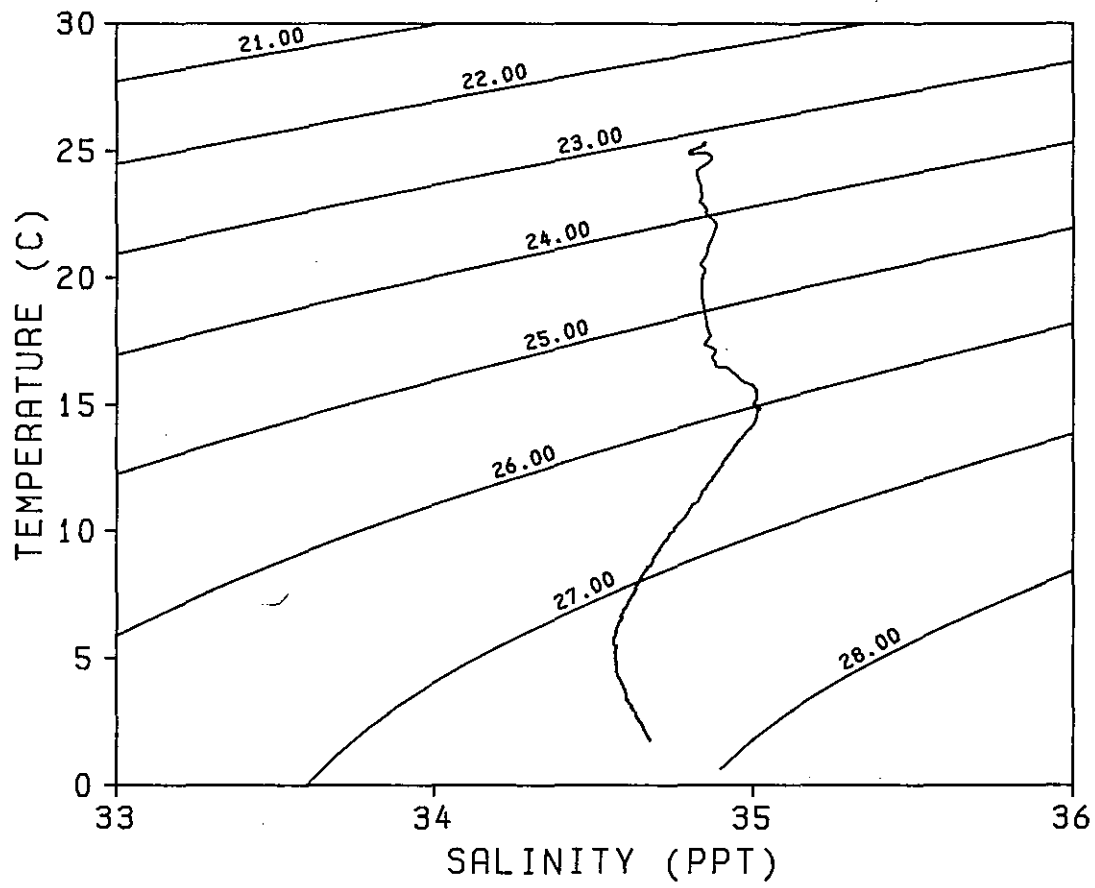




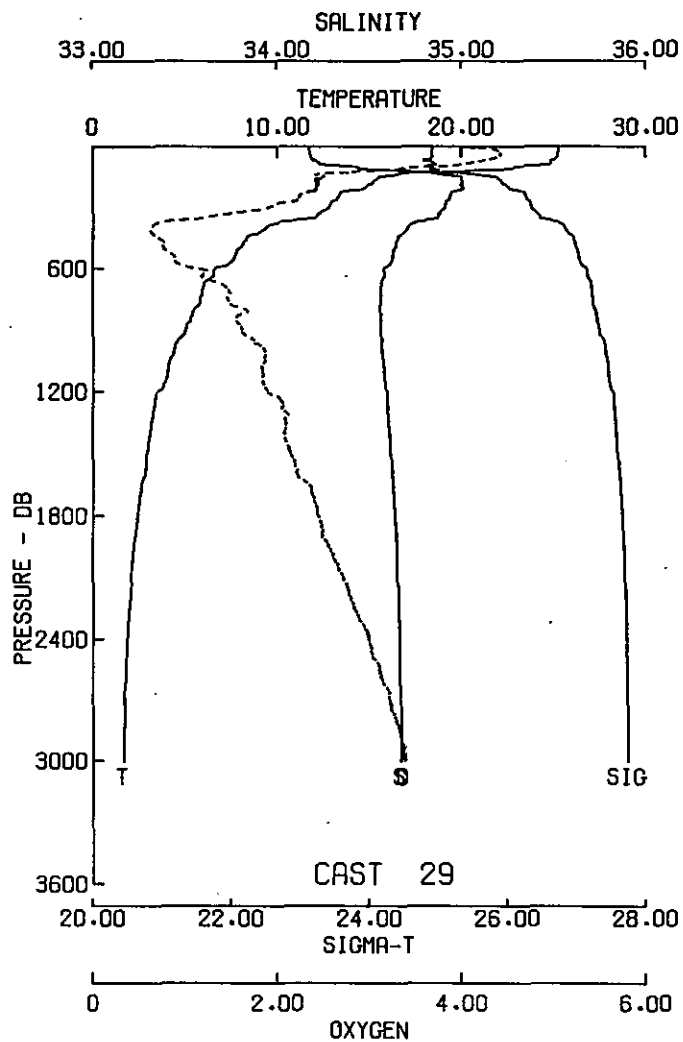
CAST EP4-82-RS-228 DATE 04 NOV 82 TIME 0547 GMT
 LAT 00 01.7N LONG 159 15.2W W/FATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 153 T SPD 07 KT VISIBILITY 5
 CLOUD A AMOUNT 2 CRY 23.0 WET 21.1 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-K)
7.	25.385	34.848	4.51	23.128	
10.	25.383	34.848	4.43	23.128	.048
20.	25.366	34.847	4.41	23.133	.095
30.	25.277	34.843	4.37	23.157	.144
40.	25.270	34.846	4.33	23.161	.100
50.	25.266	34.851	4.25	23.166	.237
60.	25.177	34.841	4.11	23.186	.288
70.	24.932	34.812	4.02	23.239	.332
80.	24.917	34.853	4.01	23.274	.376
90.	24.741	34.867	3.92	23.338	.434
100.	22.991	34.836	3.68	23.833	.468
110.	22.537	34.852	3.35	23.979	.558
120.	22.286	34.854	2.89	24.592	.546
130.	17.366	34.871	2.58	25.345	.766
140.	16.346	34.923	2.43	25.625	.601
150.	15.786	34.994	2.50	25.809	.635
160.	15.527	35.009	2.50	25.879	.647
170.	15.296	35.001	2.47	25.924	.660
180.	15.215	35.005	2.47	25.946	.690
190.	15.112	35.005	2.46	25.968	.711
200.	14.899	35.013	2.46	26.019	.733
250.	13.427	34.946	2.28	26.283	.822
300.	12.875	34.917	1.98	26.371	.917
350.	12.088	34.872	1.22	26.490	1.001
400.	9.475	34.715	.56	26.837	1.071
450.	8.452	34.562	.73	26.960	1.134
500.	8.146	34.648	.77	26.995	1.192
501.	8.142	34.648	.77	26.996	

CAST EP4-82-RS-029 DATE 04 NOV 82 TIME 0916 GMT
LAT 00 01.7N LONG 095 14.1W



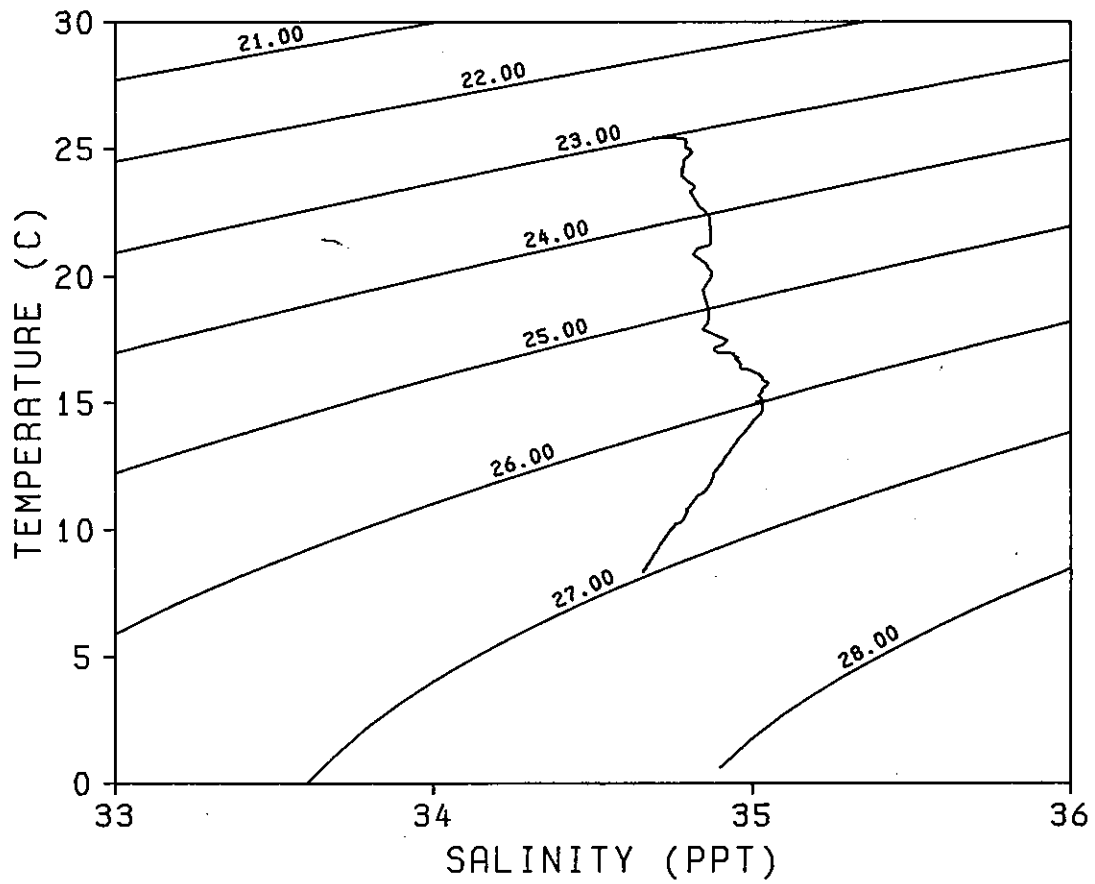
161



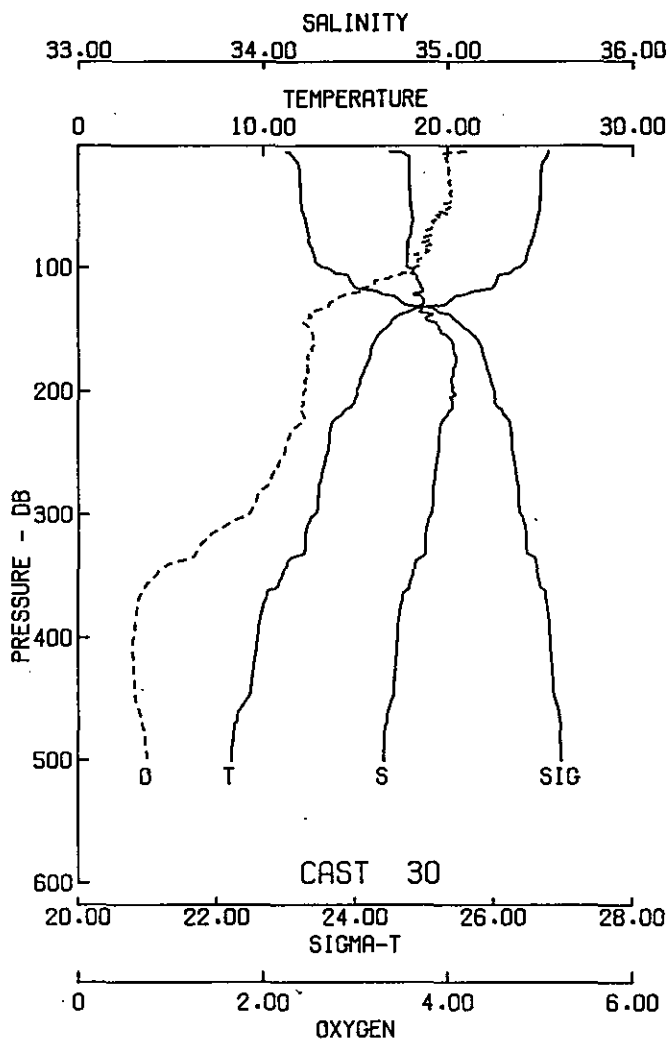
CAST FP4-R2-RS-329 DATE 04 NOV 82 TIME 0916 GMT
 LAT 00 01.7N LONG 095 14.1W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 140 T SPD 10 KT VISIBILITY 6
 CLOUD 8 AMOUNT 2 DRY 24.5 WET 21.5 DEPTH 3275 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.317	34.848	3.77	23.149	0.000
5.	25.335	34.849	4.08	23.144	
10.	25.341	34.848	4.27	23.141	.747
20.	25.238	34.844	4.40	23.151	.095
30.	25.238	34.842	4.44	23.162	.143
40.	25.254	34.844	4.44	23.165	.161
50.	25.242	34.847	4.41	23.171	.237
60.	25.168	34.836	4.36	23.185	.284
70.	24.930	34.796	4.27	23.243	.331
80.	24.744	34.853	4.12	23.327	.378
90.	24.590	34.833	4.03	23.339	.424
100.	24.590	34.833	3.75	23.382	.468
110.	22.760	34.850	3.39	23.497	.508
120.	22.332	34.847	3.93	23.573	.547
130.	17.666	34.867	2.78	23.658	.579
140.	15.859	34.915	2.42	23.595	.608
150.	15.559	35.006	2.50	23.586	.623
160.	15.472	35.010	2.48	23.589	.649
170.	15.292	35.010	2.44	23.593	.671
180.	15.233	35.010	2.46	23.595	.690
190.	14.980	35.005	2.44	23.599	.715
200.	14.850	35.008	2.44	23.602	.744
250.	13.330	34.942	2.26	23.629	.820
300.	12.864	34.916	1.91	23.673	.916
350.	12.123	34.873	1.20	23.685	1.001
400.	9.434	34.713	.65	23.682	1.071
450.	8.410	34.662	.74	23.666	1.133
500.	7.974	34.641	.79	23.615	1.192
550.	7.729	34.630	.90	23.544	1.244
600.	6.709	34.584	1.14	23.152	1.366
650.	6.455	34.580	1.24	23.183	1.455
700.	6.603	34.569	1.48	23.229	1.400
750.	6.900	34.568	1.48	23.245	1.447
800.	6.577	34.562	1.66	23.262	1.494
850.	6.380	34.571	1.59	23.311	1.553
900.	6.110	34.569	1.63	23.342	1.588
950.	4.658	34.573	1.75	23.397	1.622
1000.	4.448	34.572	1.87	23.421	1.666
1500.	3.008	34.623	3.14	23.605	1.998
2000.	1.247	34.656	3.61	23.769	2.285
2500.	1.081	34.671	3.66	23.741	2.350
3000.	1.735	34.676	3.38	23.754	2.740
3275.	1.735	34.676	3.39	23.754	

CAST EP4-82-RS-030 DATE 04 NOV 82 TIME 2117 GMT
LAT 00 00.7N LONG 094 46.6W

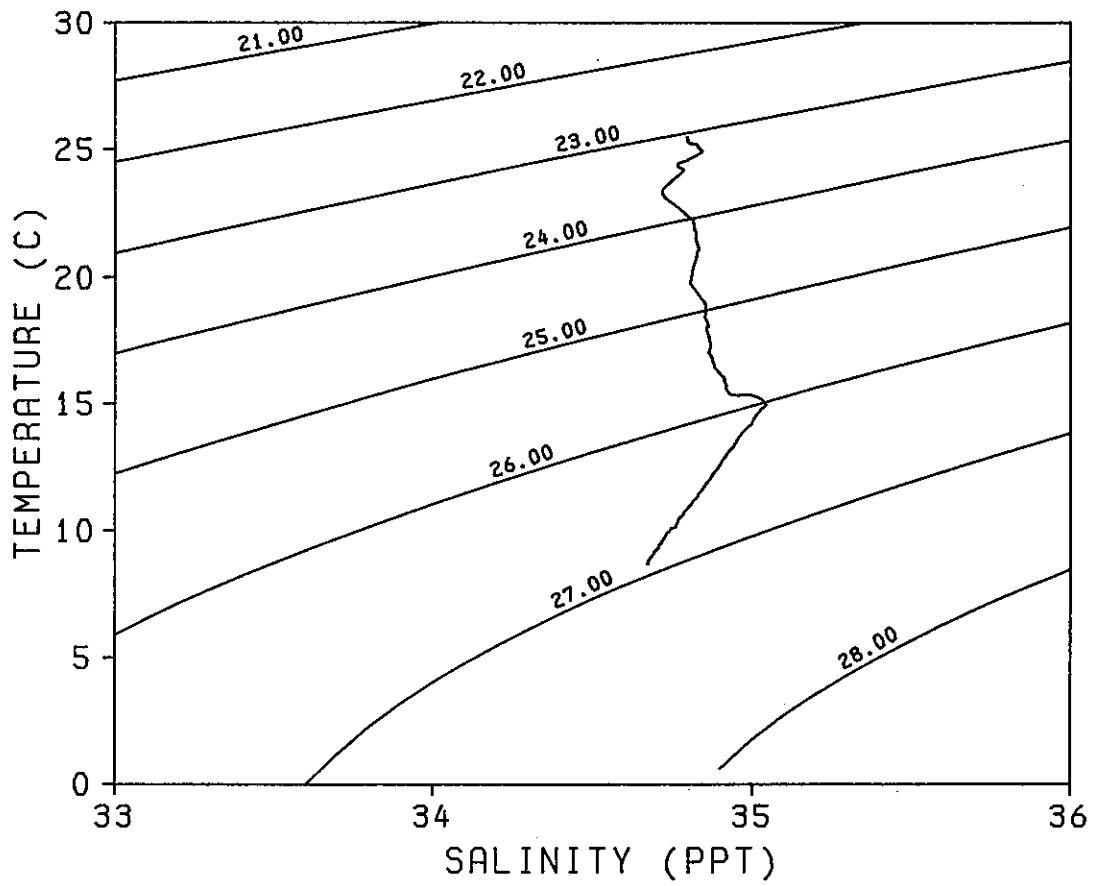


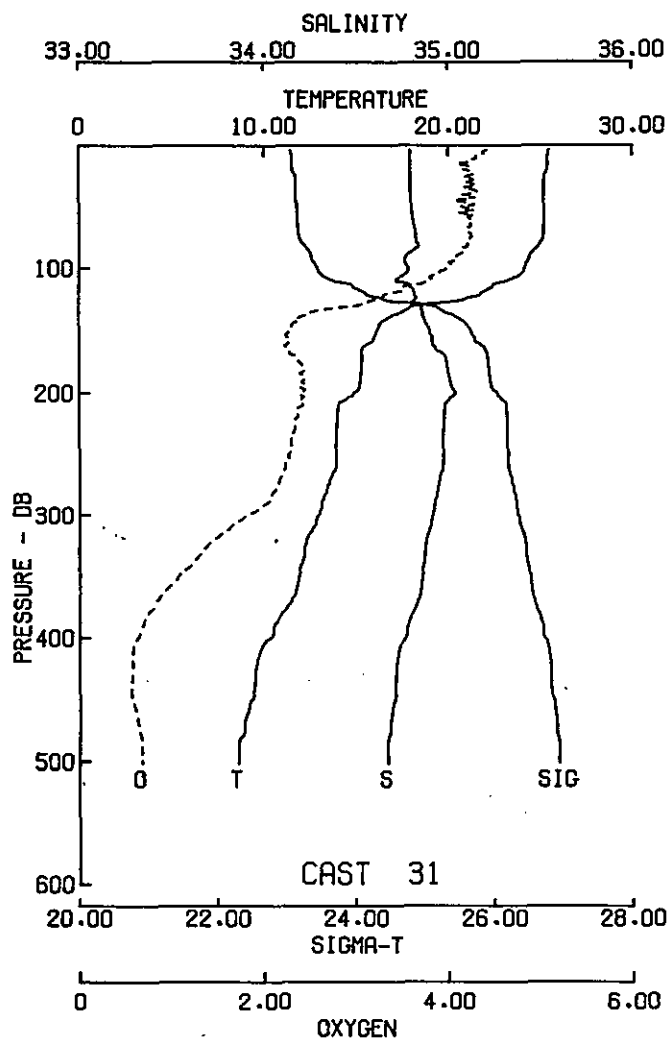
CAST EP4-82-RS-230 DATE 04 NOV 82 TIME 2117 GMT
 LAT 02 02.7N LONG 094 46.6W WEATHER 1 SEA STATE 1
 BAROMETER 29 WIND DIR 145 T SPD 11 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 25.6 WET 22.1 DPTH 3300 M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.450	34.495	4.78	22.842	0.000
5.	25.416	34.687	4.19	22.997	
10.	25.311	34.794	3.97	23.169	.049
20.	25.040	34.791	4.02	23.190	.094
30.	25.013	34.792	4.00	23.199	.143
40.	24.996	34.795	4.02	23.206	.193
50.	24.971	34.799	4.02	23.217	.237
60.	24.829	34.811	3.92	23.269	.284
70.	24.695	34.800	3.76	23.301	.330
80.	24.541	34.786	3.73	23.337	.377
90.	24.297	34.786	3.64	23.418	.421
100.	23.899	34.779	3.66	23.523	.466
110.	22.676	34.837	3.29	23.921	.509
120.	21.215	34.867	3.03	24.352	.547
130.	19.808	34.863	2.71	24.725	.581
140.	17.171	34.888	2.53	25.044	.610
150.	16.545	34.960	2.51	25.308	.635
160.	15.022	35.023	2.54	25.577	.656
170.	15.800	35.037	2.49	25.839	.681
180.	15.573	35.037	2.47	25.889	.703
190.	15.258	35.018	2.46	25.946	.725
200.	15.034	35.020	2.45	25.996	.746
250.	13.486	34.951	2.23	26.373	.842
300.	12.794	34.909	1.84	26.381	.930
350.	11.033	34.816	.84	26.640	1.011
400.	9.681	34.727	.60	26.812	1.080
450.	8.119	34.699	.62	26.883	1.146
500.	8.299	34.656	.76	26.979	1.206
511.	8.297	34.656	.75	26.979	

CAST EP4-82-RS-031 DATE 05 NOV 82 TIME 0044 GMT
LAT 00 29.8N LONG 095 00.2W

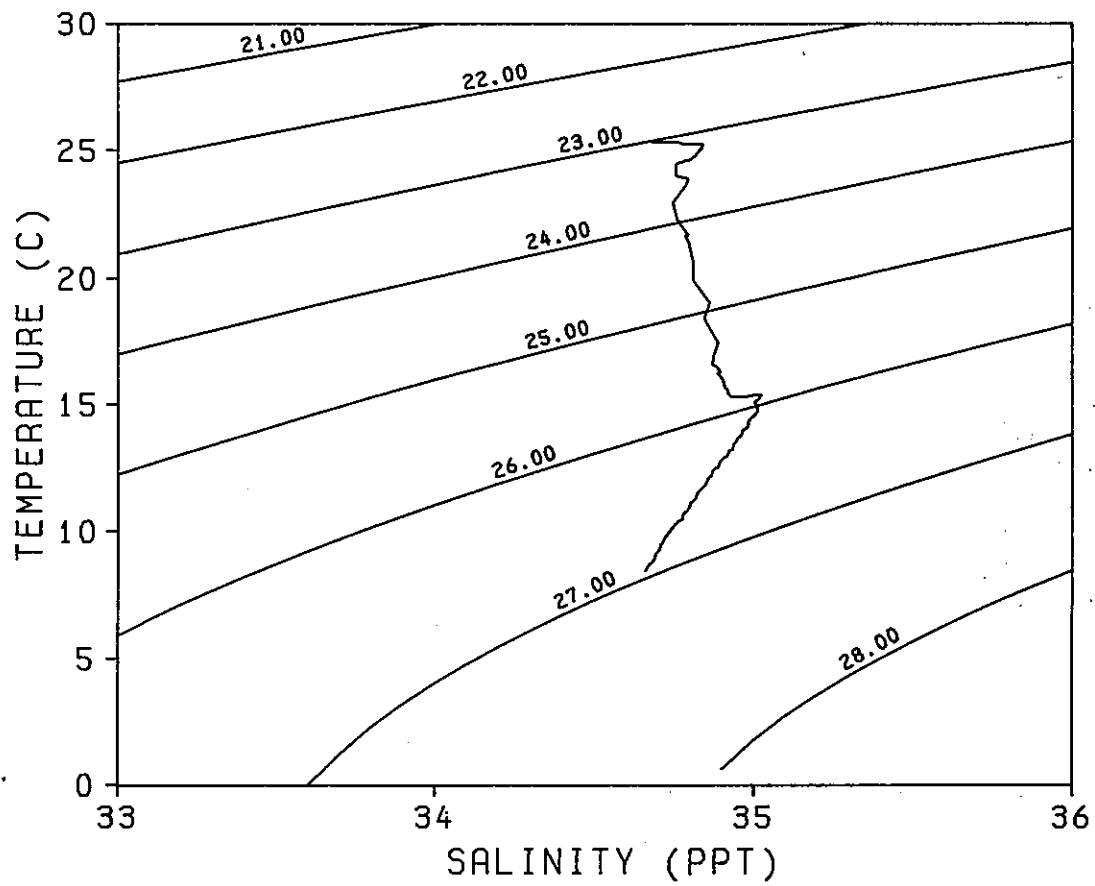




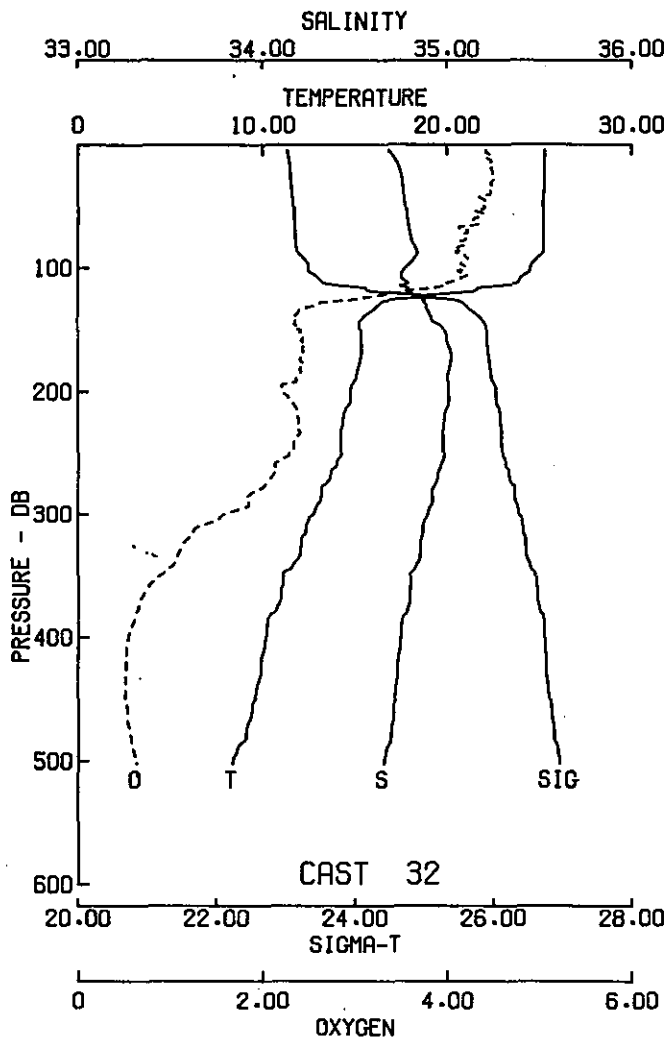
CAST EP4-82-RS-031 DATE 05 NOV 82 TIME 0044 GMT
 LAT 00 29.8N LONG 090 00.2W WAVELENGTH 1 SEA STATE 7
 BAROMETER 10 WIND DIR 160 T SPD 10 KT VISIBILITY 7
 CLOUD 6 AMOUNT 3 PRY 24.2 WFT 22.3 DPTH 3317 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DAYS-M)
0.	25.553	34.795	4.45	23.036	0.000
4.	25.490	34.796	4.42	23.036	
10.	25.412	34.797	4.33	23.081	.048
20.	25.392	34.798	4.17	23.088	.094
30.	25.237	34.800	4.19	23.137	.144
40.	25.225	34.801	4.25	23.141	.191
50.	25.207	34.803	4.14	23.143	.235
60.	25.197	34.811	4.25	23.157	.286
70.	25.187	34.825	4.24	23.171	.334
80.	24.984	34.832	4.20	23.238	.381
90.	24.436	34.774	4.16	23.359	.427
100.	24.160	34.788	3.99	23.452	.473
110.	23.275	34.719	3.80	23.660	.517
120.	21.836	34.819	3.39	24.144	.557
130.	18.404	34.851	3.03	25.075	.592
140.	16.827	34.872	2.38	25.474	.620
150.	16.151	34.896	2.29	25.650	.644
160.	15.859	34.910	2.24	25.728	.668
170.	15.322	34.976	2.30	25.899	.690
180.	15.294	34.996	2.40	25.921	.711
190.	15.238	35.010	2.44	25.944	.733
200.	14.910	35.042	2.42	26.041	.754
250.	13.917	34.974	2.27	26.201	.849
300.	13.003	34.914	1.83	26.346	.941
350.	11.877	34.859	1.07	26.521	1.025
400.	10.426	34.770	.64	26.717	1.101
450.	9.386	34.710	.58	26.847	1.167
500.	8.644	34.677	.68	26.941	1.230
502.	8.625	34.675	.68	26.943	

CAST EP4-82-RS-032 DATE 05 NOV 82 TIME 1250 GMT
LAT 00 54.9N LONG 094 56.6W



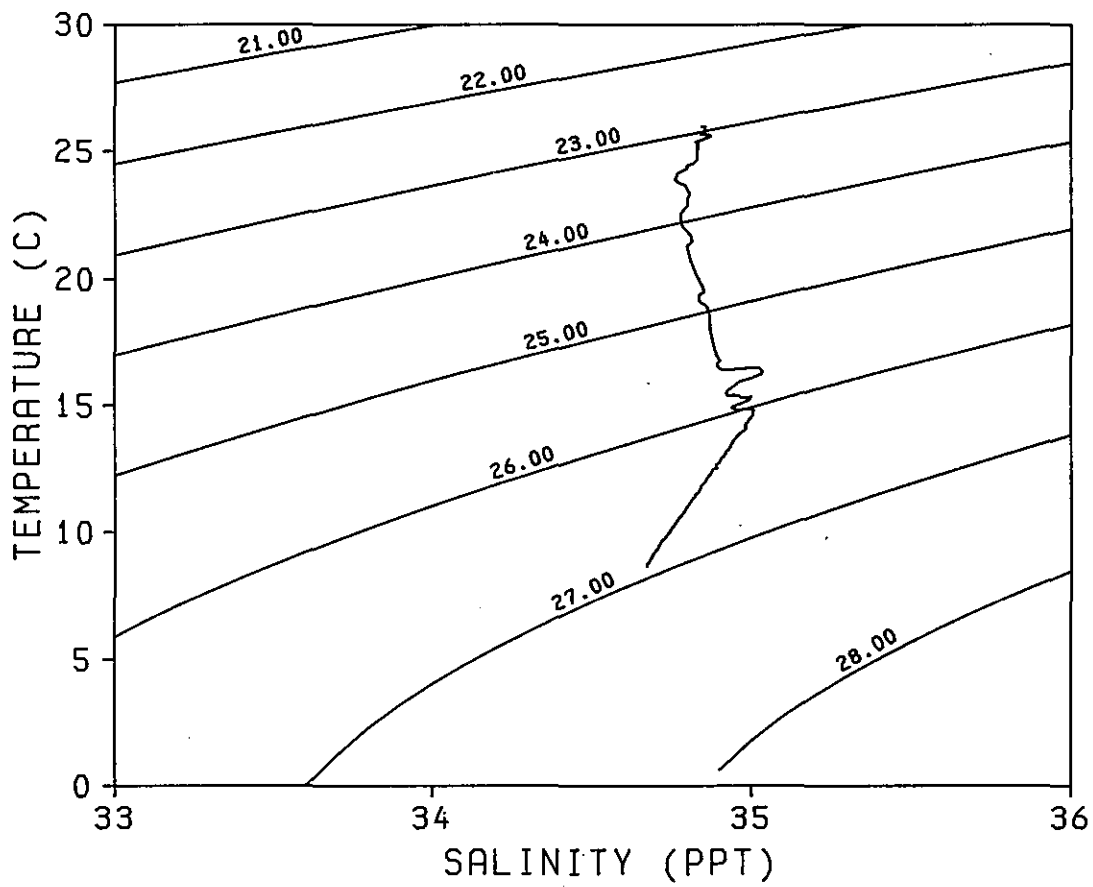
197



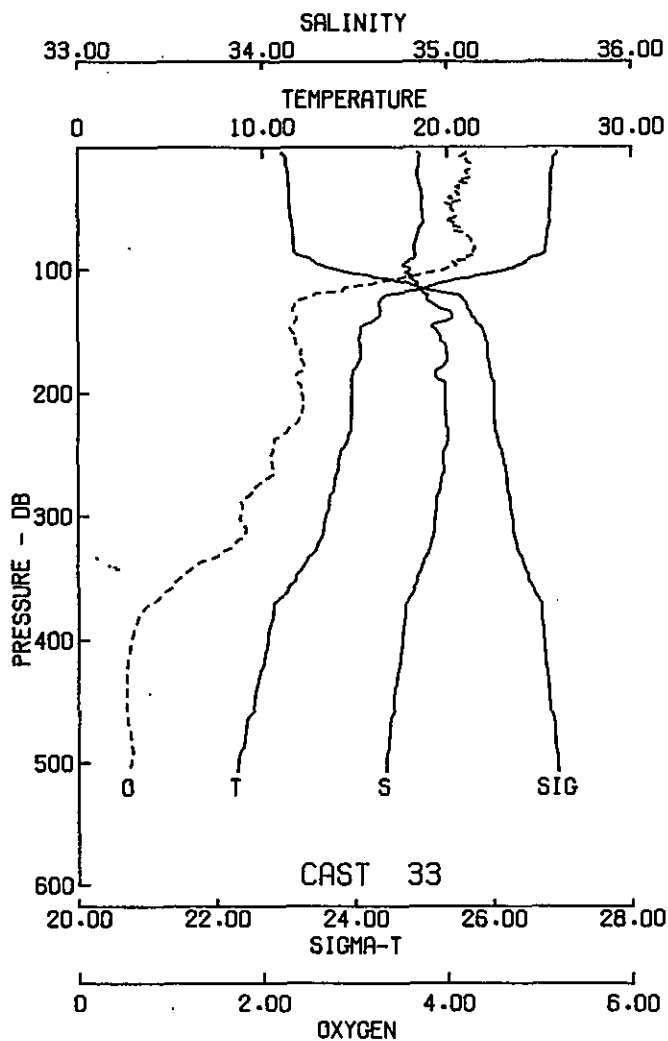
CAST EP4-R2-RS-032 DATE 09 NOV 82 TIME 1250 GMT
 LAT 00 54.9N LONG 094 56.6W WEATHFR 2 SEA STATE 1
 BAROMETER 10 WIND DIR 145 T SPD 08 KT VISTRILITY 7
 CLOUD 6 AMOUNT 3 DRY 24.0 WFT 22.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.283	34.661	4.45	23.018	0.000
5.	25.306	34.684	4.43	23.028	
10.	25.316	34.710	4.46	23.045	.048
20.	25.317	34.747	4.49	23.072	.097
30.	25.318	34.763	4.50	23.084	.145
40.	25.276	34.769	4.48	23.101	.193
50.	25.232	34.780	4.40	23.123	.241
60.	25.226	34.787	4.33	23.130	.288
70.	25.223	34.799	4.23	23.140	.336
80.	25.231	34.817	4.14	23.151	.384
90.	25.084	34.838	4.20	23.213	.431
100.	24.539	34.782	4.21	23.337	.477
110.	23.946	34.764	4.12	23.497	.523
120.	21.379	34.796	3.53	23.453	.564
130.	16.393	34.888	2.62	23.588	.593
140.	15.538	34.918	2.36	23.606	.617
150.	15.303	34.982	2.35	23.608	.630
160.	15.345	34.999	2.41	23.612	.660
170.	15.362	35.022	2.44	23.625	.681
180.	15.216	35.016	2.41	23.653	.703
190.	15.066	35.002	2.37	23.697	.724
200.	14.798	35.010	2.33	23.742	.744
250.	14.264	34.982	2.29	23.835	.843
300.	12.795	34.897	1.62	23.972	.935
350.	11.132	34.802	.91	26.615	1.019
400.	10.190	34.751	.55	26.743	1.091
450.	9.615	34.718	.52	26.816	1.150
500.	8.422	34.661	.64	26.963	1.223
503.	8.403	34.657	.64	26.964	

CAST EP4-82-RS-033 DATE 05 NOV 82 TIME 2003 GMT
LAT 01 34.3N LONG 094 59.6W



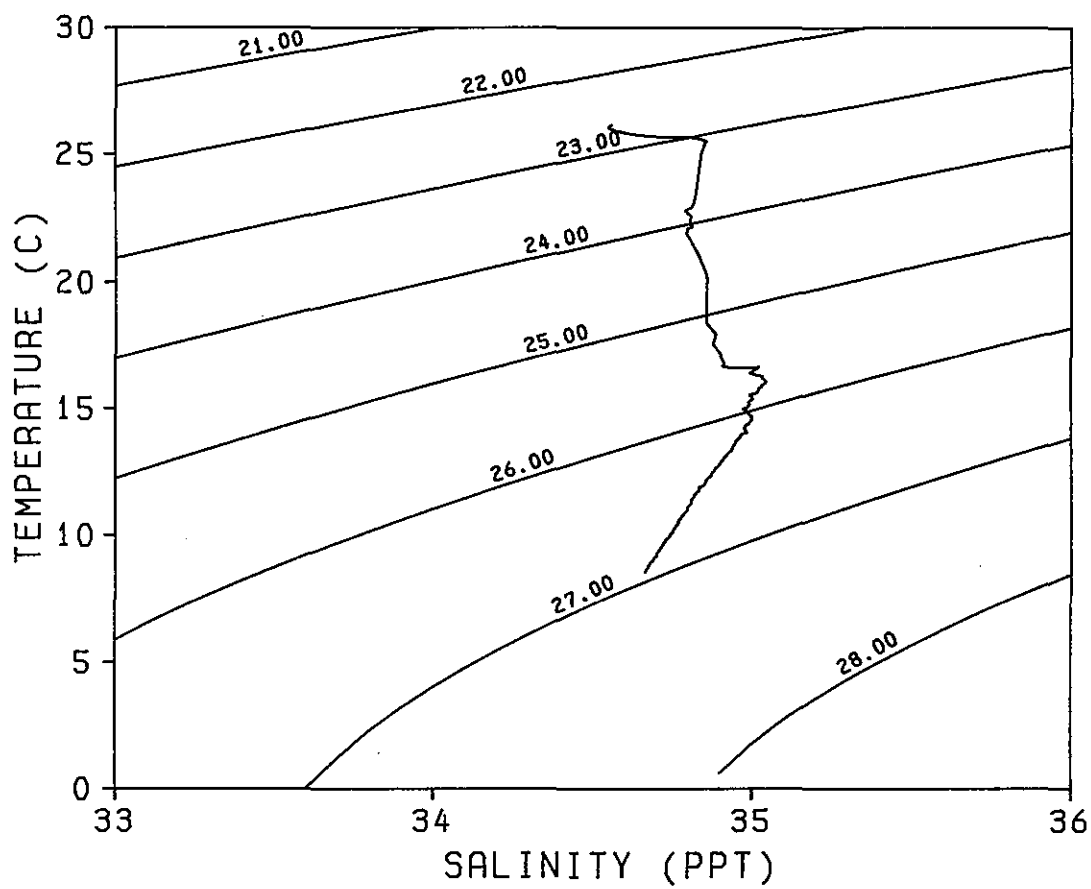
199



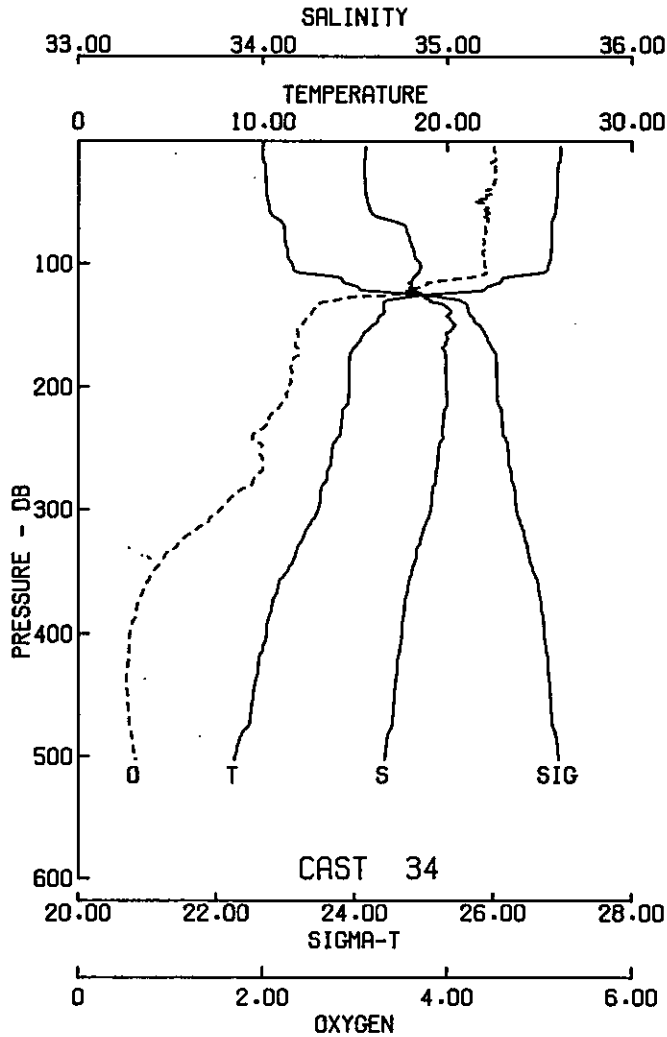
CAST EP4-82-RS-033 DATE 05 NOV 82 TIME 2003 GMT
 LAT 01 34.3N LONG 094 59.6W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 170 T SPD 10 KT VISIBILITY 9
 CLOUD 8 AMOUNT 3 DRY 29.0 JET 23.8 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.003	34.815	4.29	22.911	0.000
5.	25.971	34.844	4.21	22.943	
10.	25.781	34.848	4.21	23.005	.049
20.	25.661	34.841	4.21	23.037	.098
30.	25.642	34.853	4.22	23.052	.146
40.	25.646	34.876	4.12	23.063	.195
50.	25.611	34.865	4.04	23.071	.243
60.	25.568	34.871	3.98	23.089	.291
70.	25.428	34.844	4.18	23.111	.339
80.	25.353	34.824	4.30	23.119	.387
90.	24.876	34.829	4.32	23.263	.435
100.	23.321	34.805	4.00	23.711	.479
110.	20.155	34.824	3.28	24.604	.518
120.	17.126	34.883	2.57	25.412	.548
130.	16.394	34.951	2.35	25.636	.572
140.	16.166	35.031	2.38	25.750	.596
150.	15.368	34.951	2.32	25.870	.618
160.	15.285	34.986	2.37	25.915	.640
170.	15.321	35.000	2.42	25.918	.662
180.	15.047	34.968	2.45	25.954	.683
190.	14.802	34.952	2.38	25.996	.704
200.	14.841	34.990	2.43	26.016	.724
250.	14.248	34.981	2.11	26.137	.826
300.	13.443	34.935	1.78	26.270	.921
350.	11.843	34.841	1.13	26.513	1.009
400.	10.293	34.757	.58	26.731	1.083
450.	9.573	34.713	.53	26.819	1.151
500.	8.681	34.671	.57	26.931	1.215
508.	8.624	34.668	.56	26.938	

CAST EP4-82-RS-034 DATE 06 NOV 82 TIME 0011 GMT
LAT 01 59.4N LONG 095 00.1W

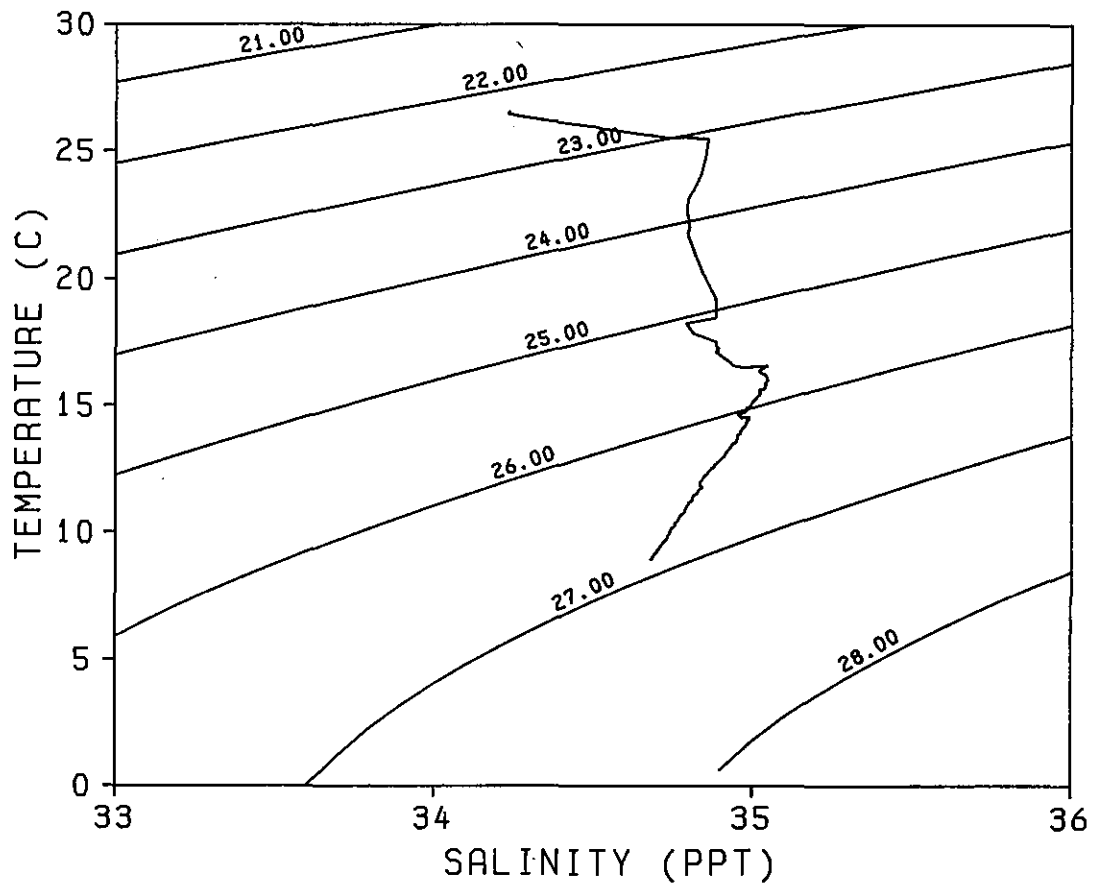


CAST EP4-R2-RS-034 DATE 06 NOV 82 TIME 0011 GMT
 LAT 01 59.4N LONG 095 00.1W WEATHER 1 SEA STATE 1
 BAROMETER 08 WIND DIR 183 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 25.0 WET 22.4 DEPTH 3118 M

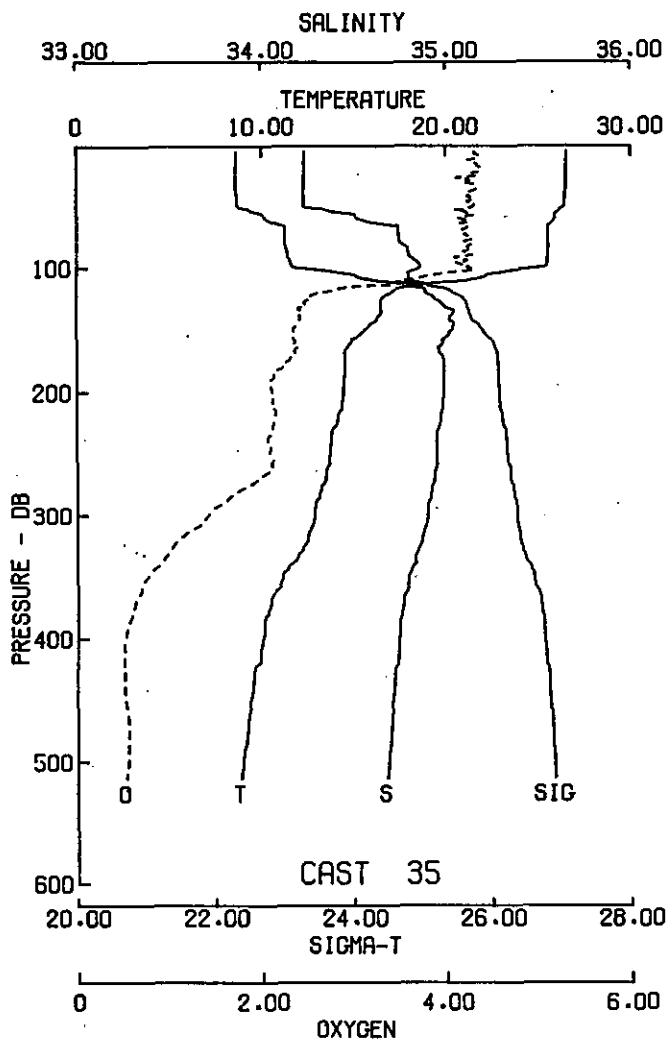


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.150	34.561	4.50	22.674	0.000
5.	26.152	34.560	4.51	22.673	
10.	26.155	34.558	4.52	22.671	.052
20.	26.004	34.552	4.53	22.713	.104
30.	25.986	34.556	4.53	22.722	.156
40.	25.977	34.559	4.42	22.727	.207
50.	25.907	34.571	4.35	22.758	.258
60.	25.827	34.505	4.41	22.808	.309
70.	25.671	34.777	4.41	22.986	.360
80.	25.679	34.795	4.39	22.997	.411
90.	25.627	34.822	4.39	23.033	.462
100.	25.509	34.854	4.40	23.094	.513
110.	25.470	34.824	4.33	23.068	.564
120.	25.092	34.797	3.67	24.056	.615
130.	15.722	34.915	2.80	25.531	.666
140.	16.588	35.019	2.54	25.643	.650
150.	16.007	35.046	2.44	25.798	.674
160.	15.360	35.002	2.39	25.911	.696
170.	14.890	34.980	2.39	25.998	.717
180.	14.718	34.993	2.32	26.045	.737
190.	14.707	34.993	2.32	26.048	.756
200.	14.688	34.996	2.29	26.054	.778
250.	13.791	34.955	1.99	26.213	.876
300.	13.031	34.912	1.55	26.336	.968
350.	11.335	34.812	.82	26.586	1.051
400.	9.230	34.756	.55	26.740	1.123
450.	8.533	34.716	.55	26.828	1.191
500.	8.545	34.665	.61	26.948	1.255
503.	8.507	34.664	.63	26.952	

CAST EP4-82-RS-035 DATE 06 NOV 82 TIME 0426 GMT
LAT 02 30.9N LONG 094 55.6W



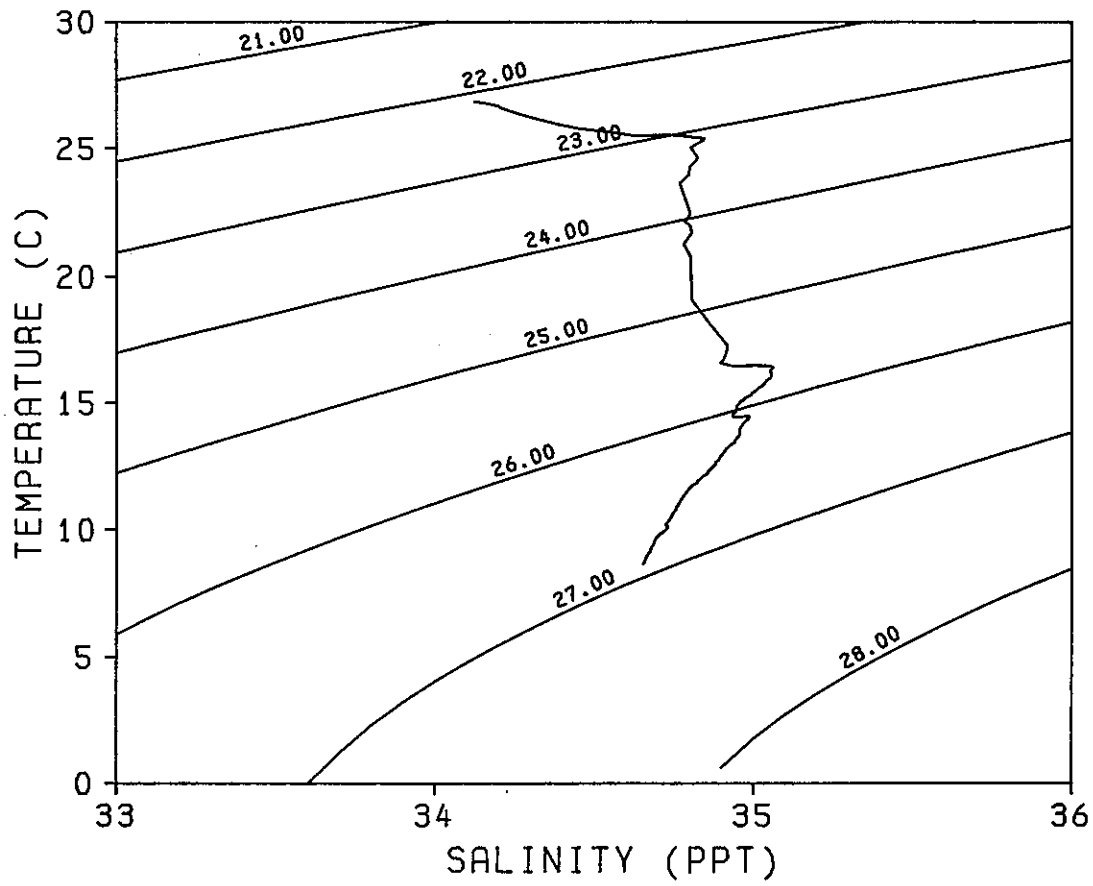
CAST FP4-R2-RS-035 DATE 06 NOV 82 TIME 0426 GMT
 LAT 02 30.9N LONG 094 55.6W WEATHER 0 SEA STATE 1
 BAROMETER 11 WIND DIR 175 T SPD 13 KT VISIBILITY 7
 CLOUD X AMOUNT 1 DRY 24.5 WET 22.8 DEPTH M



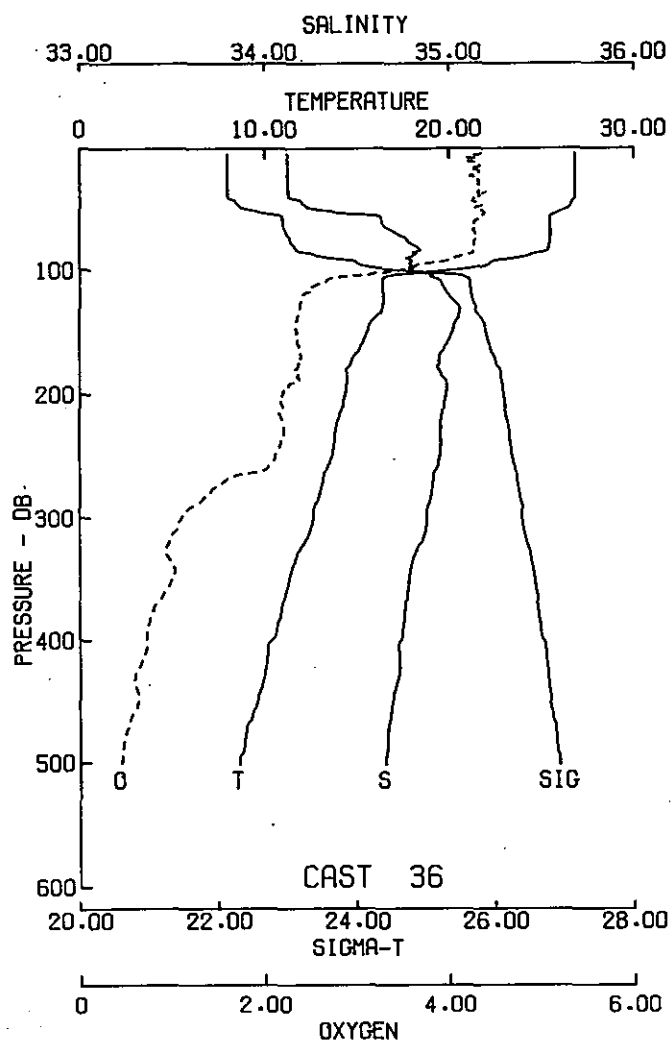
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.506	34.2338	4.32	22.320	0.000
5.	26.527	34.2350	4.31	22.311	
10.	26.534	34.2344	4.36	22.308	.085
20.	26.535	34.2344	4.35	22.308	.111
30.	26.531	34.2333	4.19	22.308	.166
40.	26.477	34.2333	4.29	22.325	.222
50.	26.435	34.2324	4.31	22.339	.277
60.	26.389	34.2324	4.16	22.727	.330
70.	26.519	34.743	4.20	23.007	.380
80.	26.541	34.755	4.24	23.010	.429
90.	26.515	34.803	4.29	23.054	.477
100.	26.353	34.860	4.23	23.146	.526
110.	21.412	34.897	3.72	24.252	.567
120.	17.025	34.888	2.79	25.421	.597
130.	16.475	34.988	2.48	25.643	.622
140.	16.325	35.022	2.42	25.706	.648
150.	15.658	35.040	2.35	25.873	.668
160.	14.868	34.978	2.37	26.001	.689
170.	14.503	34.969	2.37	26.073	.709
180.	14.511	34.999	2.22	26.088	.729
190.	14.466	34.988	2.10	26.096	.749
200.	14.441	34.989	2.11	26.102	.769
250.	13.739	34.953	2.09	26.223	.865
300.	12.865	34.900	1.43	26.360	.956
350.	11.159	34.800	.78	26.609	1.034
400.	10.078	34.745	.52	26.758	1.110
450.	9.409	34.712	.53	26.845	1.178
500.	8.983	34.686	.56	26.895	1.242
514.	8.898	34.680	.54	26.903	

203

CAST EP4-82-RS-036 DATE 06 NOV 82 TIME 0931 GMT
LAT 03 00.7N LONG 095 02.3W



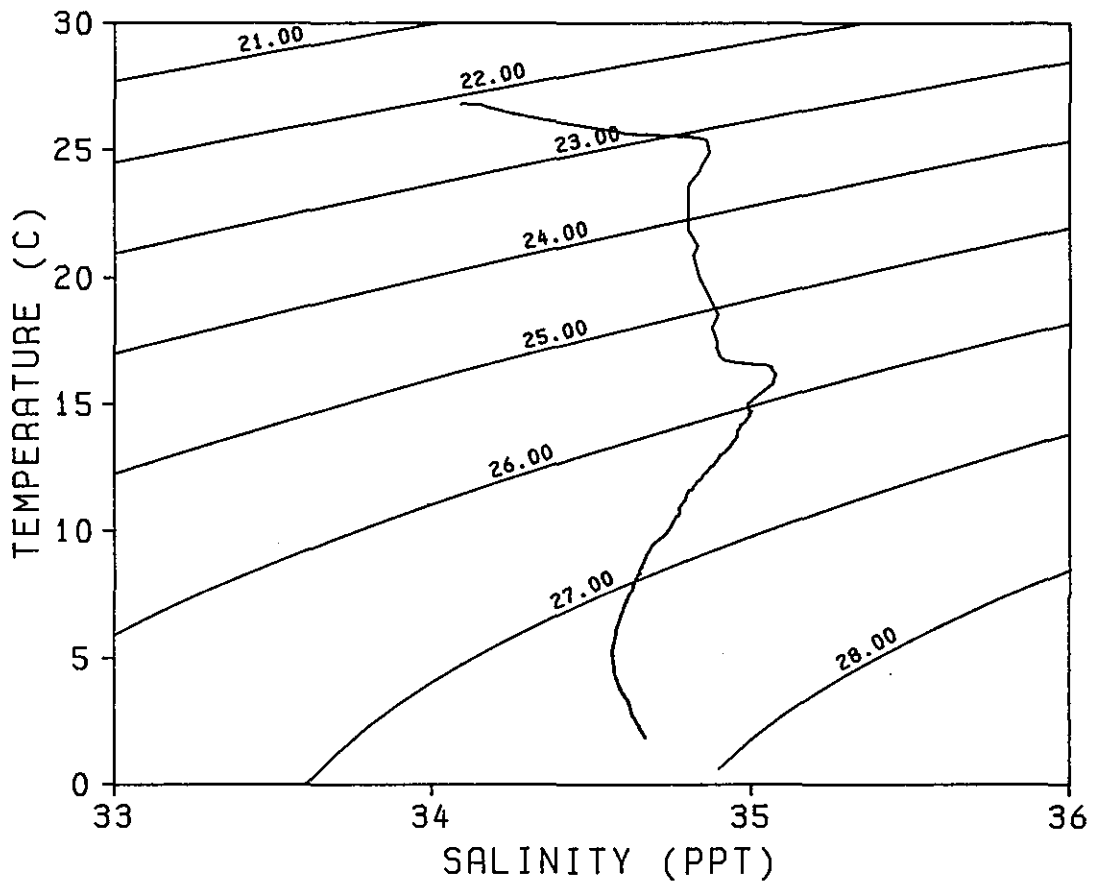
205



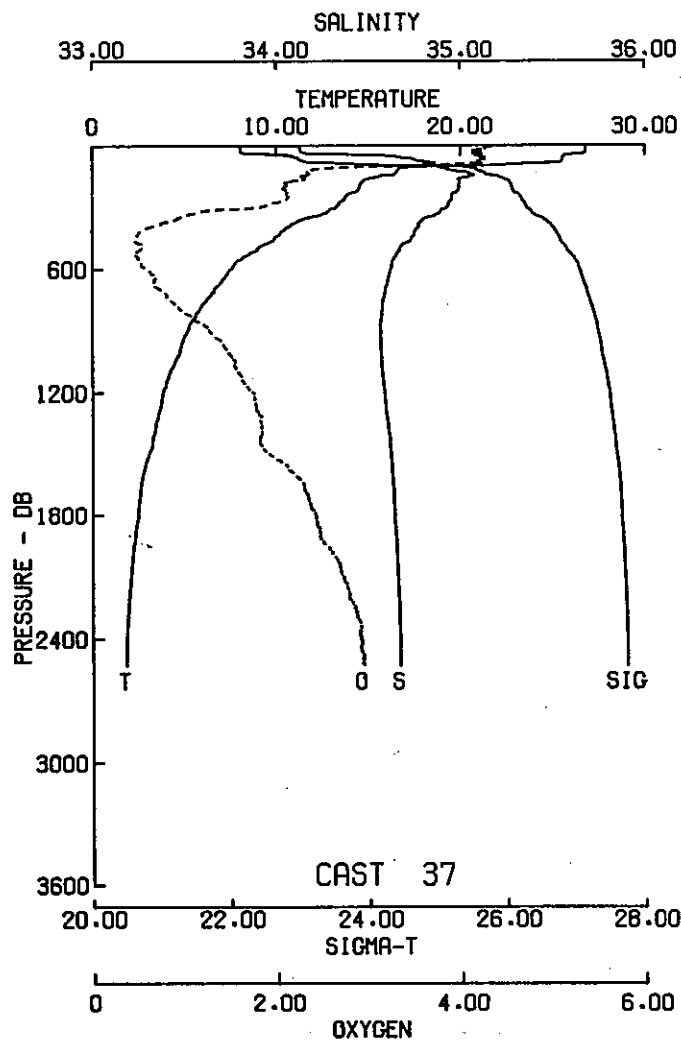
CAST EP4-82-RS-036 DATE OF NOV 82 TIME 0931 GMT
 LAT 13 00.7N LONG 095 02.3W WEATHER 2 SEA STATE 1
 BAROMETER 18 WIND DIR 175 T SPD 16 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 25.5 WET 22.7 DEPTH "

PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.806	34.115	4.63	22.132	0.000
5.	26.831	34.125	4.45	22.132	
10.	26.822	34.125	4.45	22.132	0.057
15.	26.821	34.125	4.45	22.132	0.114
20.	26.828	34.125	4.45	22.132	0.171
30.	26.831	34.135	4.45	22.136	0.228
40.	26.845	34.267	4.45	22.392	0.284
50.	26.491	34.637	4.45	22.936	0.336
60.	26.521	34.714	4.45	22.985	0.385
70.	26.454	34.810	4.45	22.984	0.434
80.	26.357	34.796	4.45	22.519	0.481
90.	26.771	34.803	3.35	22.422	0.520
100.	16.407	34.959	3.44	22.630	0.548
110.	16.442	34.994	3.44	22.658	0.571
120.	16.391	34.956	3.44	22.717	0.595
130.	15.904	34.948	3.44	22.723	0.619
140.	15.598	34.922	3.44	22.873	0.641
150.	15.284	34.991	3.44	22.919	0.662
160.	14.835	34.947	3.44	22.984	0.683
170.	14.426	34.940	3.44	22.967	0.703
180.	14.461	34.987	3.44	22.937	0.723
190.	14.346	34.981	3.44	22.916	0.743
200.	13.643	34.950	3.44	22.920	0.765
250.	12.641	34.882	3.44	22.911	0.827
300.	11.326	34.782	3.44	22.909	1.000
350.	9.433	34.741	3.44	22.694	1.085
400.	8.616	34.694	3.44	22.797	1.154
450.	8.626	34.655	3.44	22.927	1.219
500.	8.614	34.656	3.44	22.929	

CAST EP4-82-RS-037 DATE 06 NOV 82 TIME 1337 GMT
LAT 02 52.1N LONG 094 55.4W

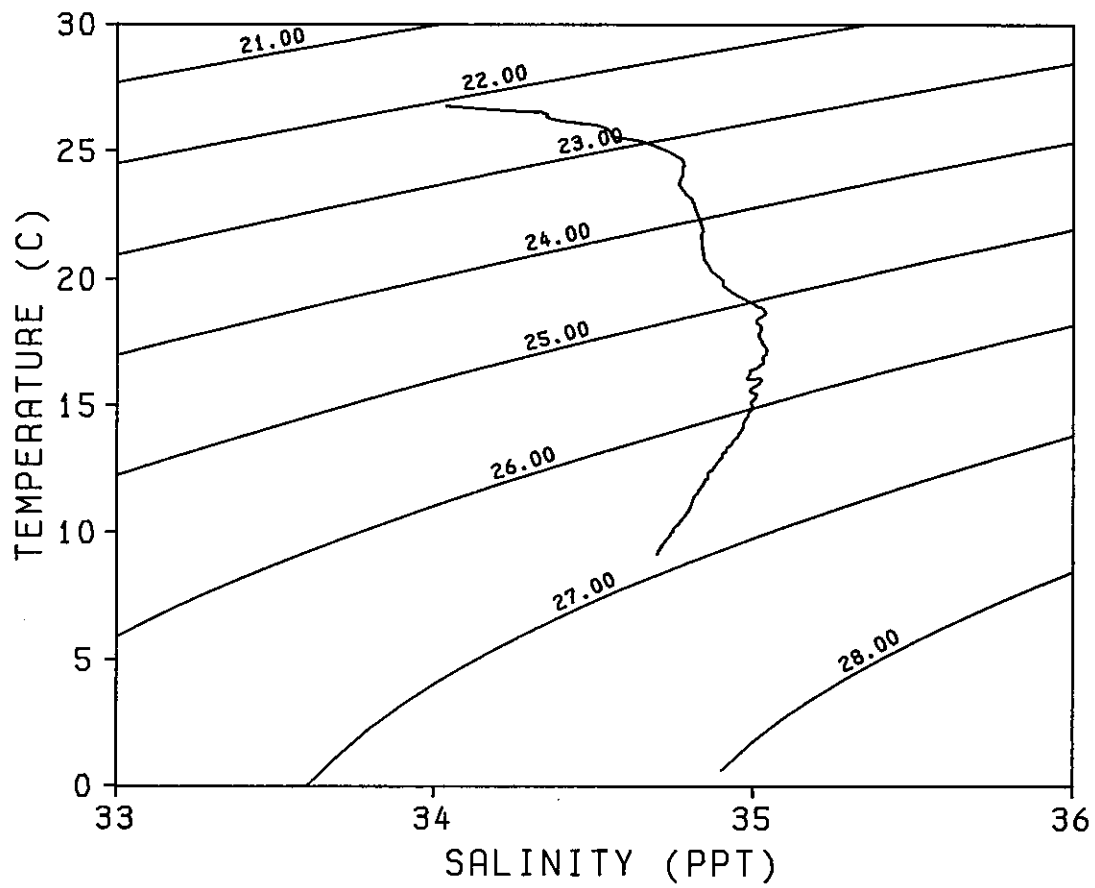


CAST EPA-82-RS-037 DATE OF NOV 82 TIME 1337 GMT
 LAT 02 52.1N LONG 094 55.4W WEATHER 2 SEA STATE 3
 BAROMETER 29 WIND DIR 175 T SPD 16 KT VISIBILITY 6
 CLOUD AMOUNT 5 DRY 24.5 WET 22.6 DEPTH 2736 M

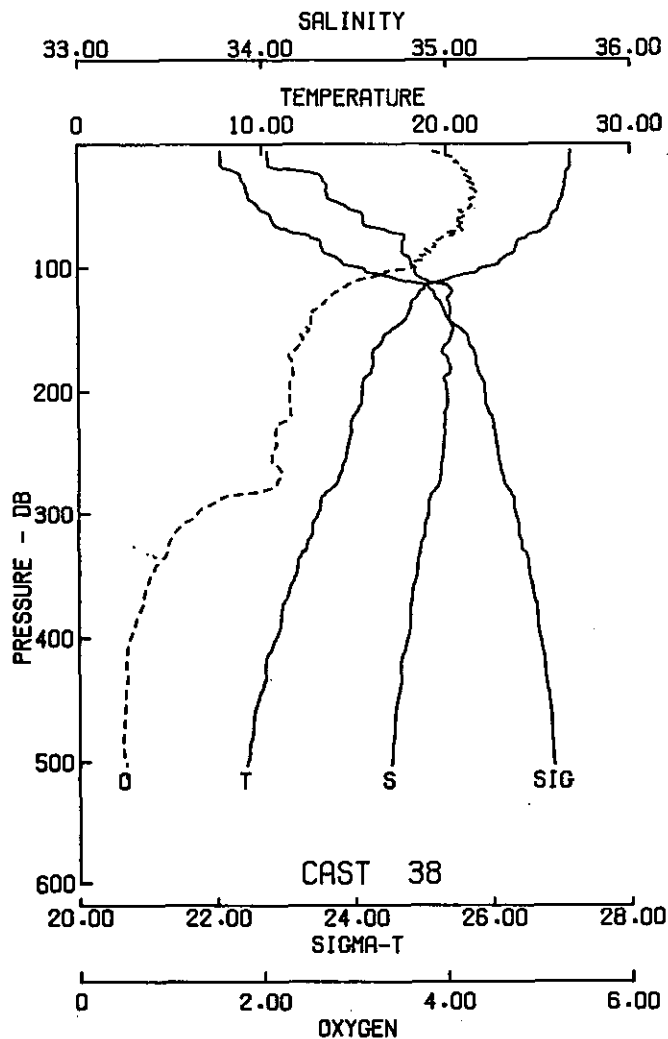


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DB-M)
0.	26.845	34.807	4.40	22.039	0.900
5.	26.798	34.891	4.33	22.117	
10.	26.786	34.127	4.31	22.148	.657
20.	26.790	34.133	4.22	22.151	.114
30.	26.792	34.139	4.21	22.153	.171
40.	26.733	34.162	4.20	22.191	.228
50.	26.753	34.553	4.18	22.789	.283
60.	26.593	34.673	4.21	22.932	.333
70.	26.536	34.750	4.25	23.007	.382
80.	26.499	34.809	4.22	23.063	.431
90.	26.069	34.833	4.20	23.513	.479
100.	21.857	34.801	3.62	24.125	.519
110.	17.010	34.899	2.76	25.451	.558
120.	16.643	34.934	2.41	25.565	.575
130.	16.532	35.001	2.34	25.642	.599
140.	16.465	35.053	2.36	25.697	.623
150.	16.435	35.066	2.36	25.876	.645
160.	16.294	35.020	2.38	25.939	.667
170.	14.872	34.999	2.28	26.019	.688
180.	14.689	34.999	2.14	26.056	.708
190.	14.599	34.993	2.11	26.071	.728
200.	14.559	34.992	2.09	26.079	.748
250.	13.809	34.956	2.15	26.211	.846
300.	13.302	34.933	1.85	26.295	.939
350.	11.927	34.827	.96	26.487	1.026
400.	10.613	34.771	.62	26.685	1.103
450.	9.921	34.735	.49	26.777	1.174
500.	9.846	34.672	.55	26.873	1.240
550.	8.156	34.646	.51	26.988	1.302
600.	7.611	34.624	.59	27.056	1.355
650.	7.152	34.599	.69	27.110	1.413
700.	6.664	34.593	.74	27.164	1.465
750.	6.234	34.582	.84	27.212	1.515
800.	5.861	34.575	.96	27.255	1.563
850.	5.461	34.568	1.10	27.299	1.608
900.	5.238	34.566	1.28	27.325	1.652
950.	4.944	34.566	1.39	27.360	1.694
1000.	4.791	34.570	1.47	27.380	1.735
1500.	3.107	34.620	1.92	27.594	2.084
2000.	2.191	34.652	2.63	27.699	2.357
2500.	1.841	34.669	2.93	27.741	2.596
2533.	1.841	34.669	2.93	27.741	

CAST EP4-82-RS-038 DATE 07 NOV 82 TIME 0517 GMT
LAT 01 58.5N LONG 092 30.1W



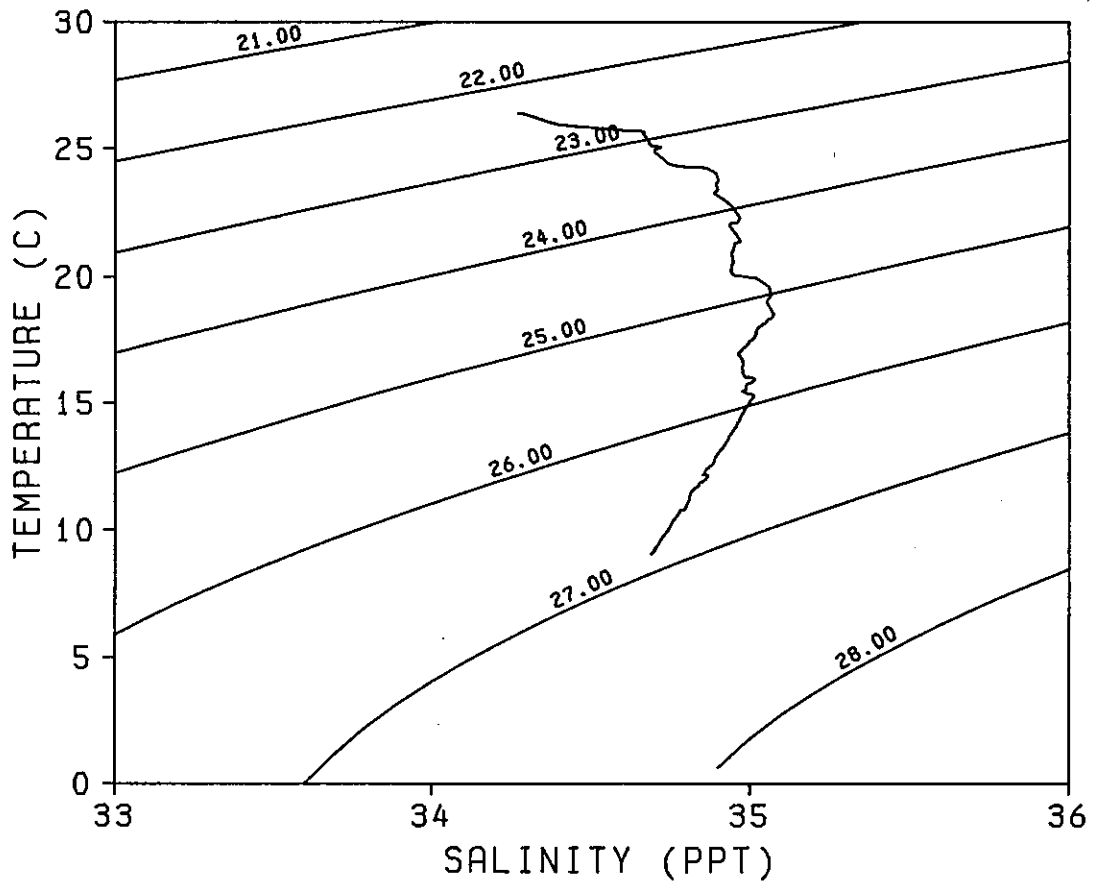
209

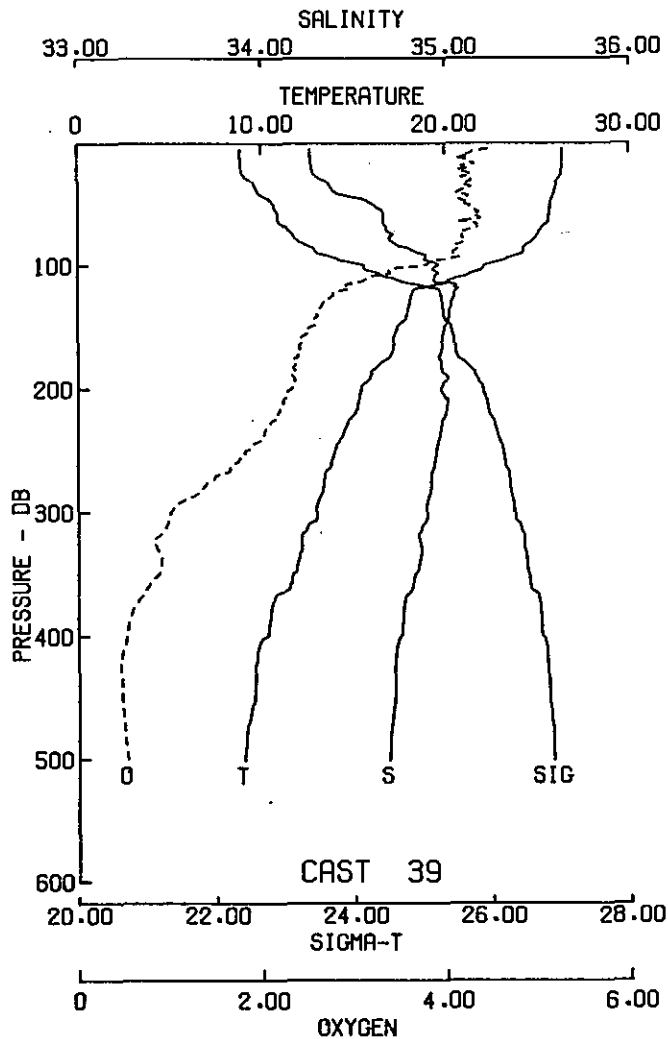


CAST EP4-82-RS-C38 DATE 07 NOV 82 TIME 0517 GMT
 LAT 01 58.5N LONG 092 30.1W WFATHER 2 SEA STATE 4
 BAROMETER 10 WIND DIR 190 T SPD 12 KT VISIBILITY 9
 CLOUD 8 AMOUNT 3 DRY 25.5 WET 23.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.484	34.049	3.82	22.185	0.000
6.	26.771	34.037	3.87	22.085	
10.	26.768	34.037	4.04	22.086	.017
20.	26.731	34.082	4.18	22.131	.115
30.	26.486	34.338	4.23	22.401	.176
40.	26.318	34.355	4.34	22.467	.224
50.	26.089	34.455	4.29	22.614	.278
60.	25.697	34.553	4.18	22.809	.329
70.	25.211	34.685	4.19	23.058	.379
80.	23.844	34.765	3.85	23.528	.425
90.	23.419	34.779	3.81	23.663	.469
100.	22.106	34.834	3.66	24.080	.510
110.	20.178	34.878	3.07	24.635	.547
120.	18.592	35.034	2.82	25.168	.577
130.	18.124	35.022	2.66	25.275	.605
140.	17.850	35.016	2.54	25.338	.632
150.	17.065	35.040	2.51	25.546	.658
160.	16.512	35.016	2.40	25.659	.682
170.	15.999	34.979	2.31	25.748	.706
180.	15.014	35.024	2.23	25.780	.729
190.	15.557	34.985	2.32	25.854	.751
200.	15.452	35.005	2.29	25.892	.773
250.	14.657	34.978	2.11	26.069	.878
300.	12.972	34.901	1.29	26.339	.973
350.	11.740	34.830	.78	26.524	1.058
400.	10.723	34.784	.57	26.676	1.134
450.	9.746	34.726	.51	26.800	1.204
500.	9.159	34.698	.51	26.875	1.270
503.	9.121	34.694	.52	26.878	

CAST EP4-82-RS-039 DATE 07 NOV 82 TIME 0843 GMT
LAT 01 29.0N LONG 092 30.1W

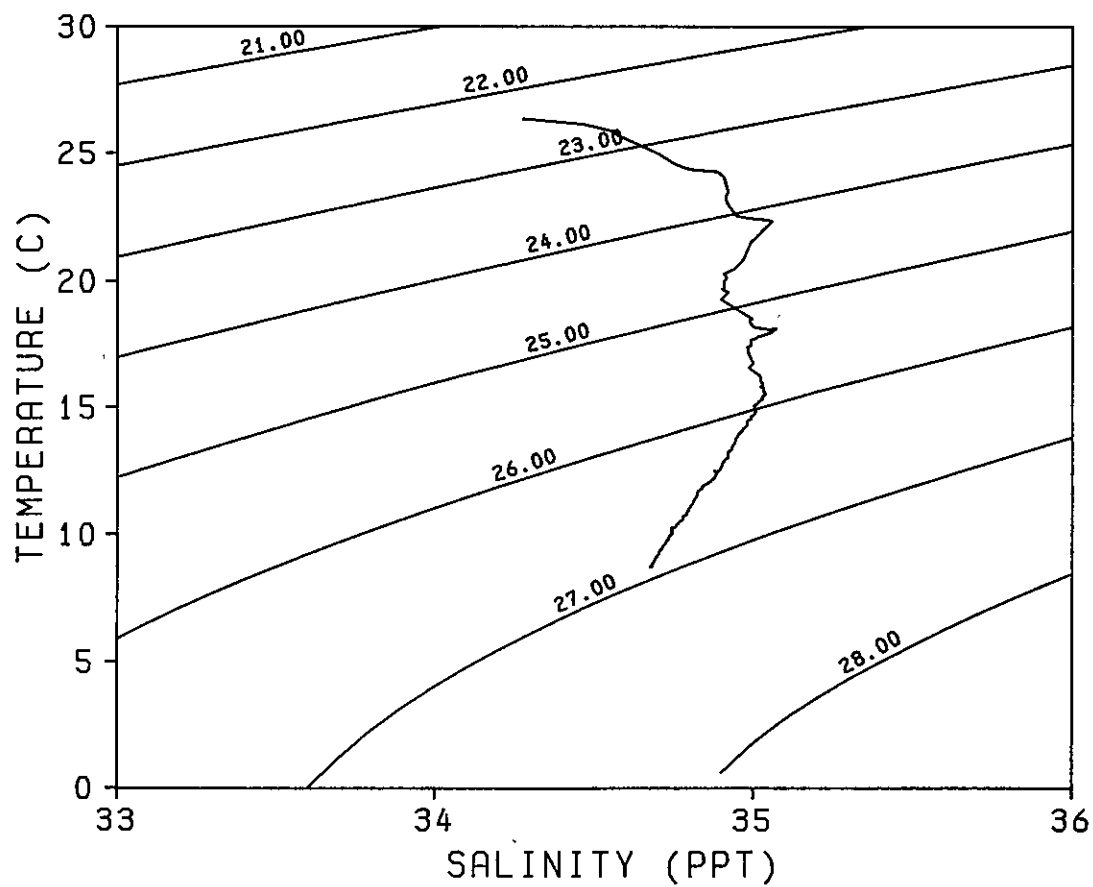




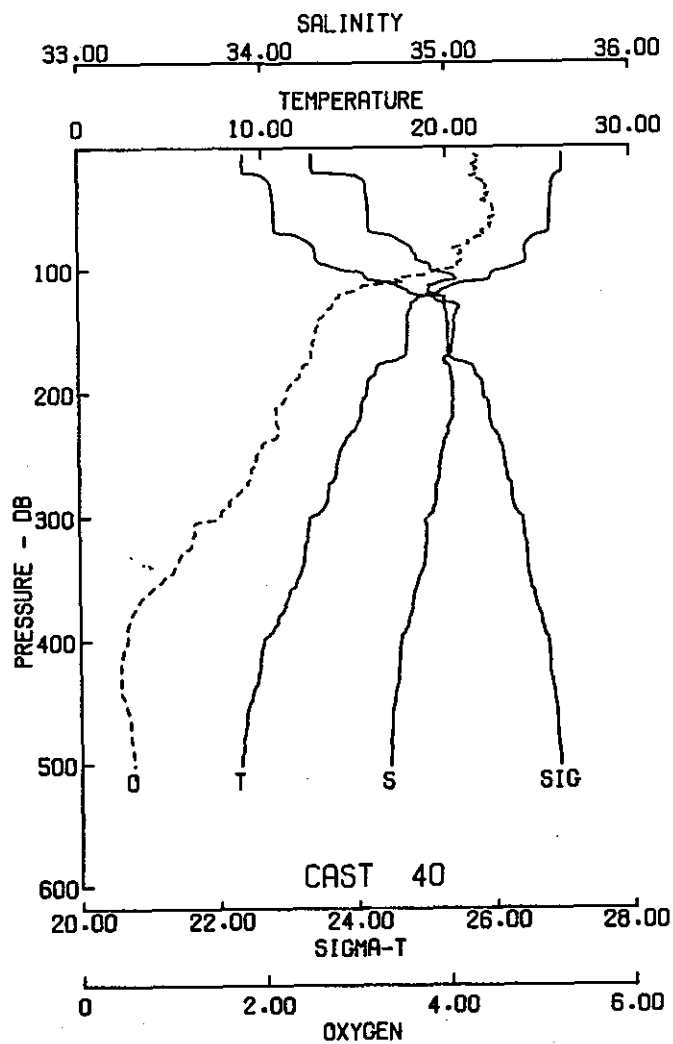
CAST EP4-R2-RS-039 DATE 07 NOV 82 TIME 0843 GMT
 LAT 01 29.3N LONG 092 30.1W WEATHER 1 SEA STATE 4
 BAROMETER 38 WIND DIR 260 T SPD 10 KT VISIBILITY 7
 CLOUD 9 AMOUNT 4 DRY 25.2 WET 22.7 DEPTH 2425 M

PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.391	34.268	4.90	22.378	0.000
5.	25.409	34.271	4.47	22.378	
10.	25.414	34.272	4.20	22.374	.055
20.	25.384	34.281	4.27	22.390	.102
30.	25.184	34.332	4.28	22.491	.164
40.	25.134	34.400	4.14	22.621	.217
50.	25.070	34.508	4.21	22.848	.268
60.	25.028	34.666	4.35	22.916	.312
70.	24.919	34.688	4.31	22.954	.368
80.	24.775	34.705	4.18	22.925	.415
90.	24.239	34.845	4.09	23.473	.461
100.	22.288	34.967	3.80	24.130	.503
110.	20.901	34.941	3.17	24.494	.547
120.	18.321	35.064	2.90	25.258	.571
130.	17.577	35.036	2.69	25.297	.598
140.	17.940	35.029	2.61	25.321	.622
150.	17.432	34.938	2.54	25.426	.652
160.	17.222	34.987	2.44	25.468	.678
170.	17.120	34.975	2.41	25.483	.704
180.	16.446	34.978	2.38	25.645	.729
190.	15.960	35.005	2.34	25.778	.753
200.	15.431	34.997	2.33	25.875	.777
250.	13.990	34.895	1.85	26.168	.878
300.	12.582	34.899	1.02	26.333	.970
350.	11.593	34.838	.89	26.538	1.054
400.	10.324	34.755	.54	26.724	1.128
450.	9.557	34.718	.48	26.826	1.195
500.	9.227	34.788	.54	26.890	1.259
551.	9.024	34.689	.54	26.890	

CAST EP4-82-RS-040 DATE 07 NOV 82 TIME 1242 GMT
LAT. 00 59.7N LONG 092 30.4W



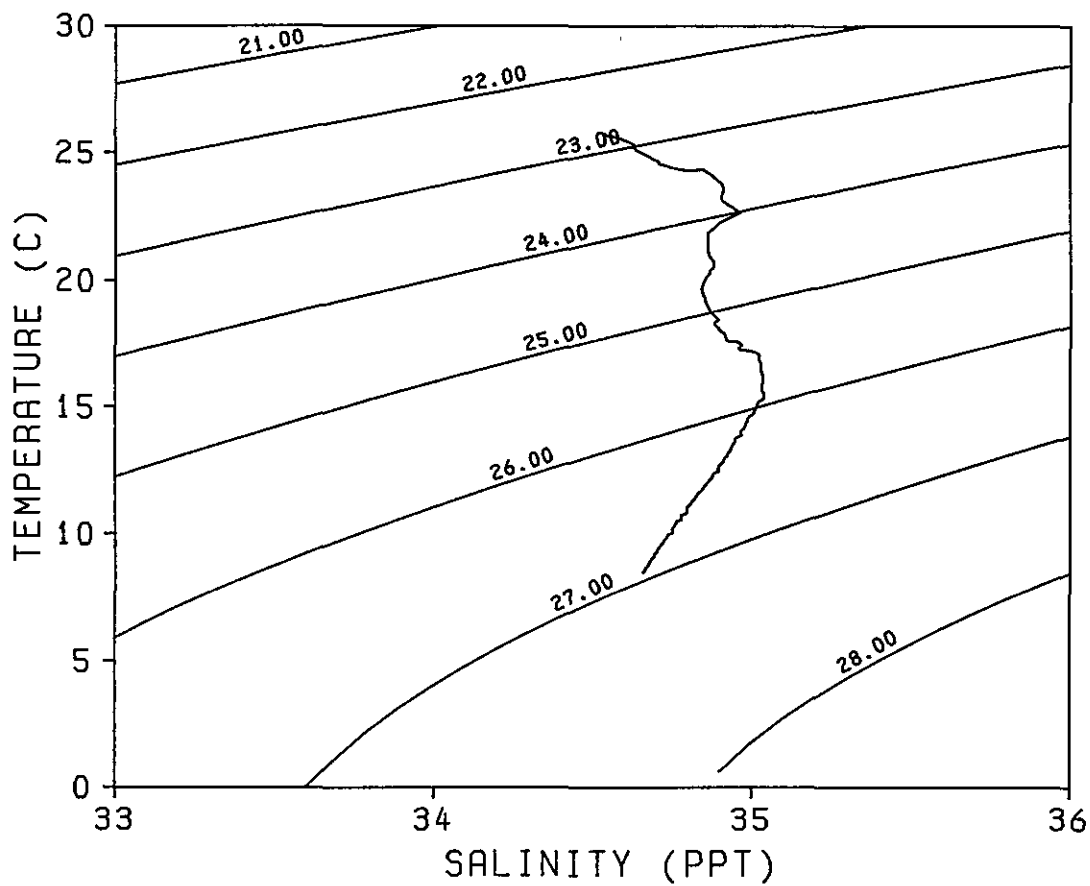
213

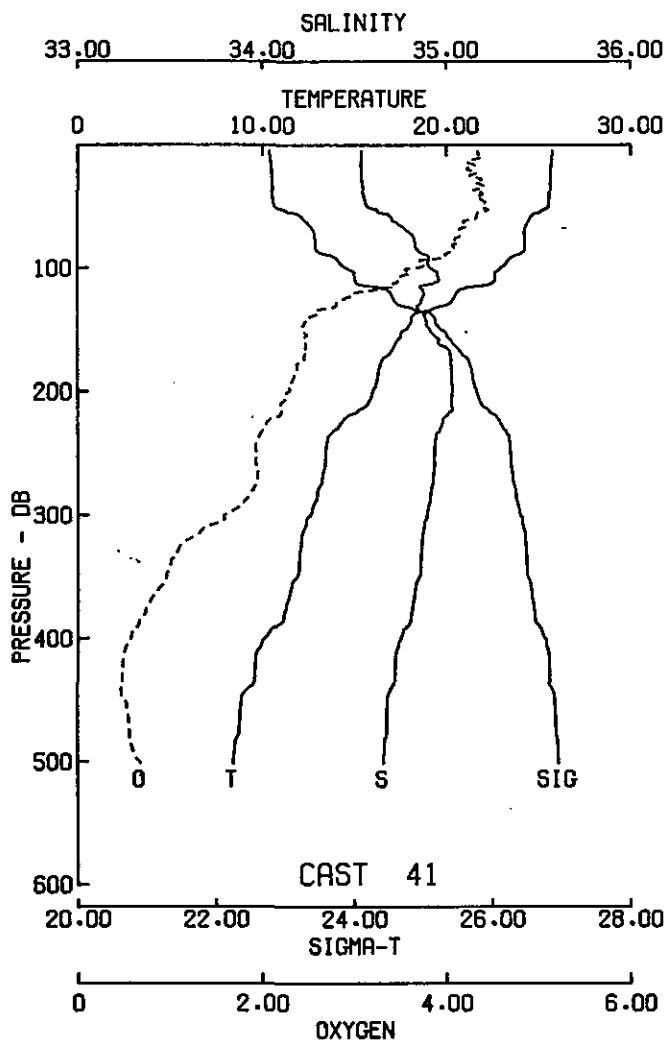


CAST EP4-82-RS-040 DATE 07 NOV 82 TIME 1242 GMT
 LAT 00 59.7N LONG 002 30.4W WFAZ 1 SFA STATE 1
 BAROMETER 08 WIND DIR 200 T SPD 13 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 25.2 WET 22.8 DPTH 2630 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYA-M)
0.	26.337	34.274	4.36	22.400	0.000
6.	26.336	34.275	4.33	22.401	
10.	26.333	34.276	4.32	22.402	.054
20.	26.333	34.286	4.30	22.410	.109
30.	25.788	34.265	4.39	22.790	.161
40.	25.692	34.572	4.44	22.825	.212
50.	25.648	34.579	4.51	22.844	.262
60.	25.639	34.582	4.51	22.849	.313
70.	25.456	34.614	4.40	22.929	.363
80.	24.345	34.796	4.23	23.403	.410
90.	24.315	34.839	4.16	23.444	.455
100.	23.306	34.910	4.02	23.795	.499
110.	21.520	34.991	3.49	24.362	.537
120.	19.539	34.920	2.87	24.839	.570
130.	18.106	35.069	2.77	25.315	.599
140.	17.888	35.042	2.64	25.349	.635
150.	17.867	35.038	2.58	25.351	.659
160.	17.831	35.029	2.54	25.352	.679
170.	17.761	35.010	2.54	25.356	.705
180.	16.229	35.018	2.43	25.726	.731
190.	15.776	35.021	2.36	25.832	.754
200.	15.660	35.031	2.27	25.866	.776
250.	14.121	34.965	1.93	26.152	.880
300.	12.622	34.895	1.53	26.465	.974
350.	11.802	34.827	.91	26.518	1.057
400.	9.959	34.739	.52	26.774	1.132
450.	9.239	34.701	.48	26.864	1.199
500.	8.687	34.675	.58	26.933	1.261
502.	8.684	34.675	.58	26.933	

CAST EP4-82-RS-041 DATE 07 NOV 82 TIME 1654 GMT
LAT 00 30.1N LONG 092 30.0W

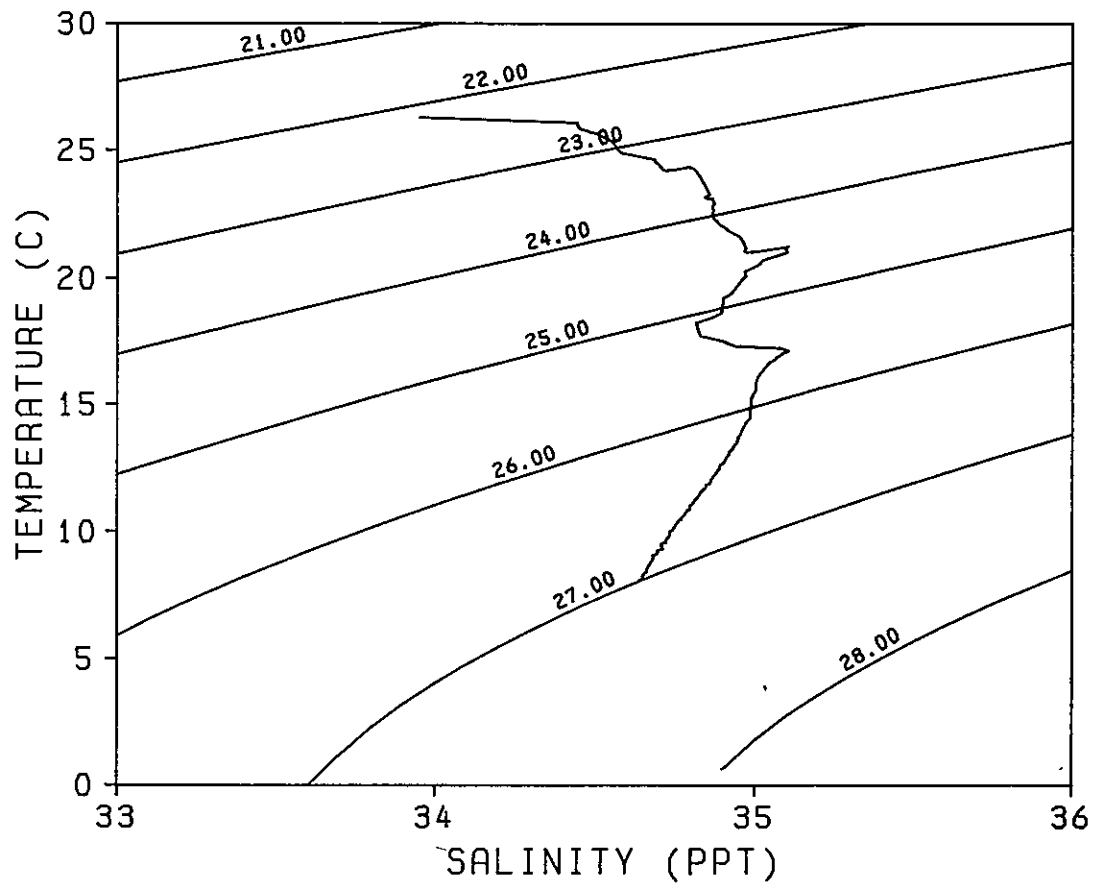




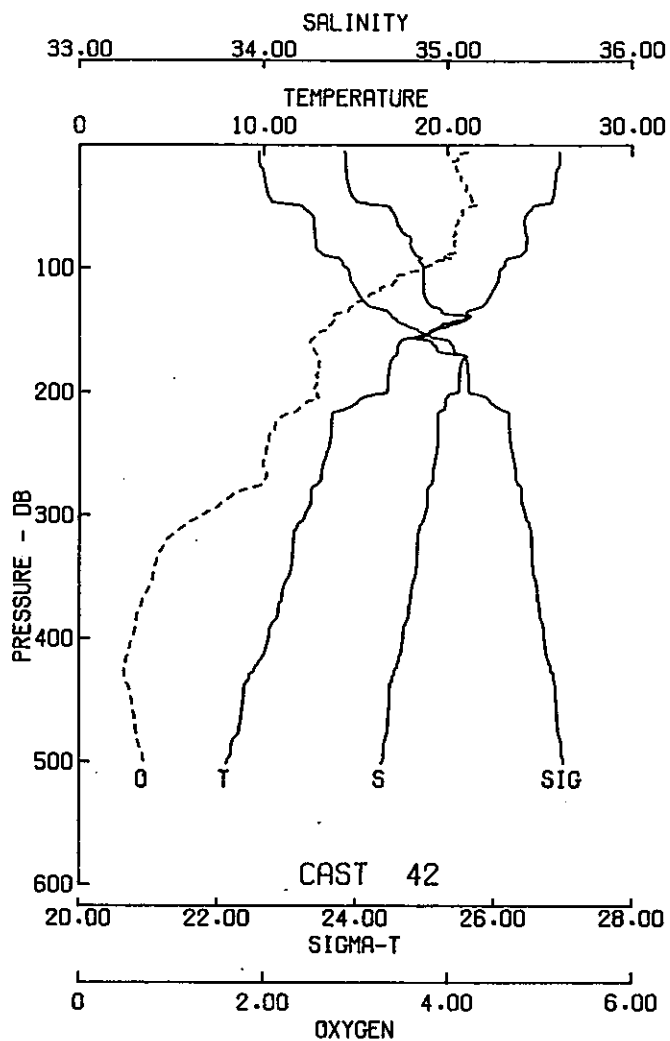
CAST FP4-R2-RS-041 DATE 87 NOV 82 TIME 1654 GMT
 LAT 00 30.1N LONG 192 30.0W WEATHER 1 SFA STAT 4
 BAROMETER 05 WIND DIR 170 T SPD 12 KT VISIBILITY 8
 CLOUD R AMOUNT 3 DRY 24.8 WET 22.6 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DM-M)
0.	22.760	34.539	4.31	22.777	0.000
5.	22.765	34.538	4.34	22.777	
10.	22.739	34.538	4.50	22.785	.051
20.	22.681	34.538	4.22	22.803	.107
30.	22.663	34.543	4.32	22.812	.152
40.	22.639	34.539	4.41	22.828	.202
50.	22.586	34.577	4.45	22.861	.253
60.	24.561	34.711	4.31	23.274	.302
70.	24.271	34.794	4.16	23.423	.347
80.	24.298	34.834	4.13	23.446	.392
90.	23.750	34.905	4.00	23.661	.436
100.	23.013	34.915	3.70	23.984	.478
110.	22.659	34.964	3.47	24.022	.518
120.	22.624	34.879	3.06	24.521	.555
130.	22.136	34.858	2.82	24.635	.589
140.	18.169	34.883	2.55	25.158	.620
150.	17.900	34.910	2.45	25.245	.648
160.	17.351	34.961	2.46	25.417	.675
170.	16.946	35.022	2.48	25.563	.701
180.	16.424	35.029	2.38	25.689	.725
190.	16.268	35.033	2.35	25.728	.748
200.	16.042	35.034	2.31	25.781	.772
250.	13.461	34.937	1.94	26.268	.872
300.	12.527	34.895	1.61	26.403	.961
350.	11.875	34.854	.95	26.517	1.044
400.	10.144	34.749	.57	26.750	1.120
450.	8.881	34.680	.50	26.906	1.186
500.	8.444	34.659	.68	26.959	1.247
502.	8.442	34.660	.69	26.959	

CAST EP4-82-RS-042 DATE 07 NOV 82 TIME 2047 GMT
LAT 00 00.1N LONG 092 30.9W

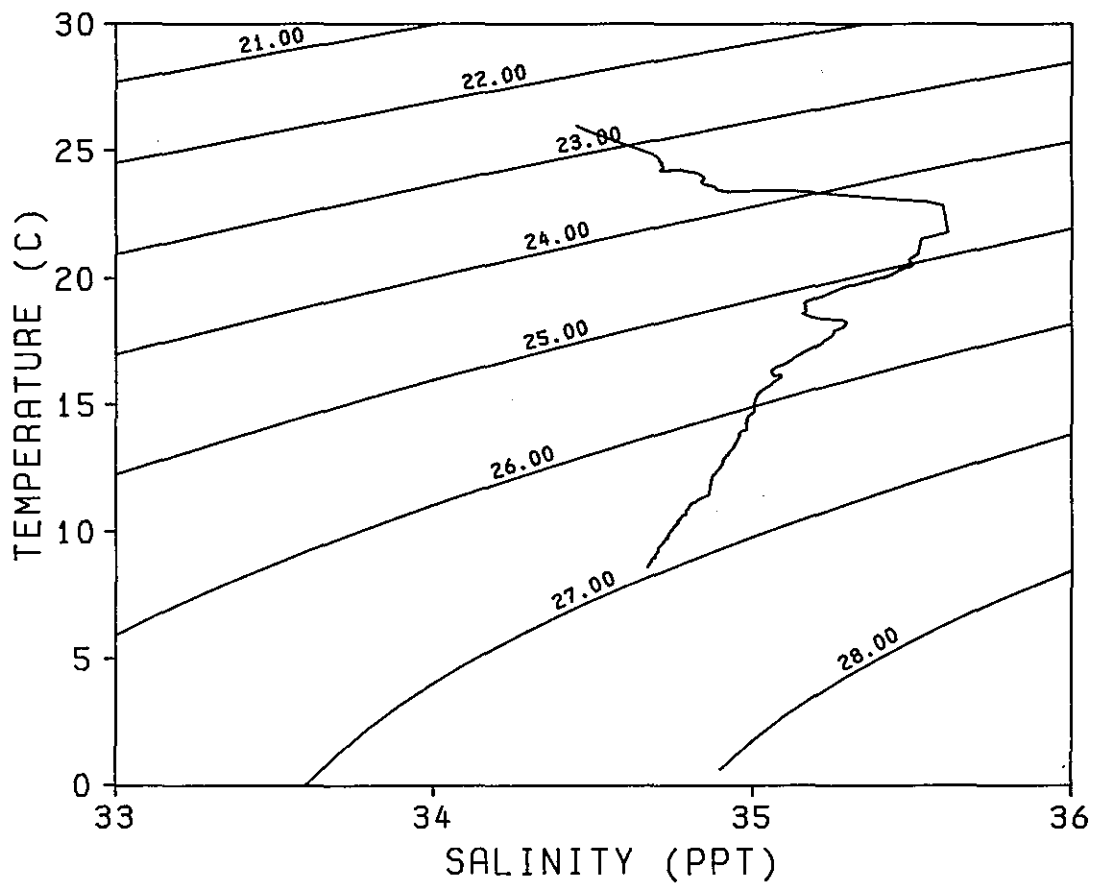


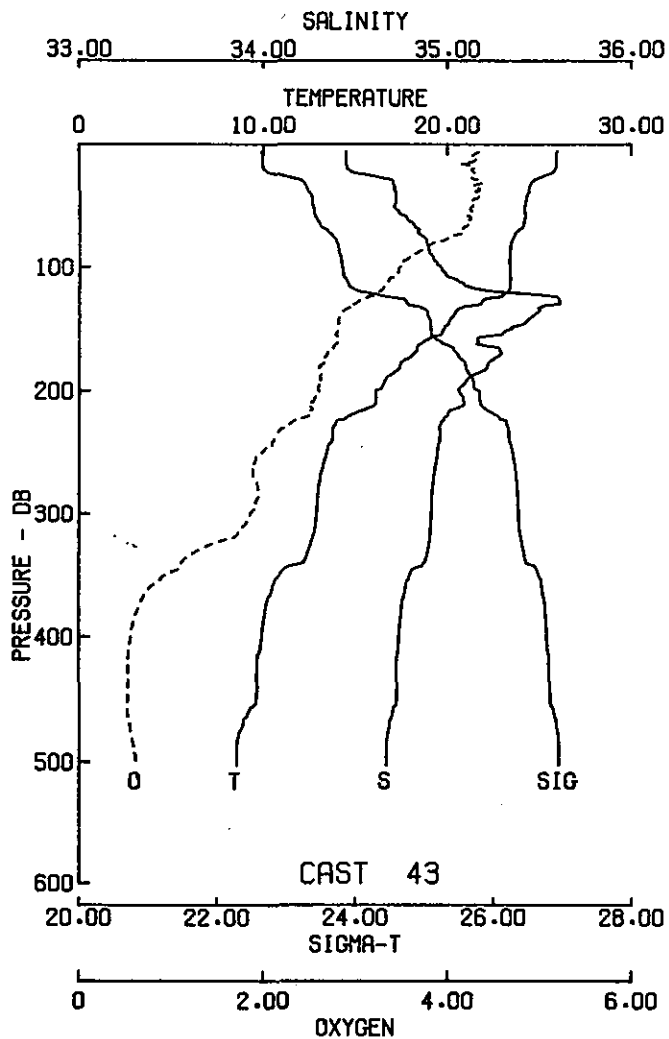
CAST EP4-82-RS-042 DATE 07 NOV 82 TIME 2347 GMT
 LAT 20 00.1N LONG 192 30.9W WEATHER 1 SEA STATE 5
 BAROMETER 05 WIND DIR 160 T SPD 13 KT VISIBILITY 7
 CLOUD AMOUNT DRY 26.2 WET 23.5 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.123	34.410	4.46	22.569	0.000
6	26.073	34.440	4.21	22.607	
10	25.983	34.446	4.09	22.609	.053
20	25.931	34.448	4.10	22.657	.105
30	25.841	34.455	4.17	22.690	.157
40	25.769	34.475	4.26	22.731	.209
50	24.657	34.668	4.26	23.215	.259
60	24.174	34.721	4.11	23.397	.305
70	24.209	34.749	4.09	23.408	.352
80	24.279	34.798	4.06	23.424	.395
90	24.004	34.824	3.97	23.525	.440
100	22.983	34.872	3.73	23.659	.482
110	22.723	34.867	3.44	23.930	.522
120	22.368	34.869	3.20	24.032	.562
130	21.937	34.909	3.00	24.186	.601
140	21.136	35.095	2.77	24.548	.635
150	19.239	34.909	2.67	24.908	.668
160	17.388	34.916	2.51	25.374	.698
170	17.199	35.083	2.59	25.548	.725
180	16.829	35.067	2.61	25.623	.740
190	16.751	35.063	2.58	25.639	.773
200	16.716	35.059	2.59	25.644	.797
250	13.435	34.939	2.03	26.276	.895
300	12.245	34.878	1.34	26.465	.982
350	11.391	34.823	.81	26.585	1.061
400	10.286	34.757	.59	26.731	1.135
450	8.928	34.684	.58	26.903	1.206
500	8.033	34.648	.71	27.012	1.261
550	7.994	34.639	.71	27.011	

CAST EP4-82-RS-043 DATE 08 NOV 82 TIME 0128 GMT
LAT 0 29.7S LONG 92 32.1W

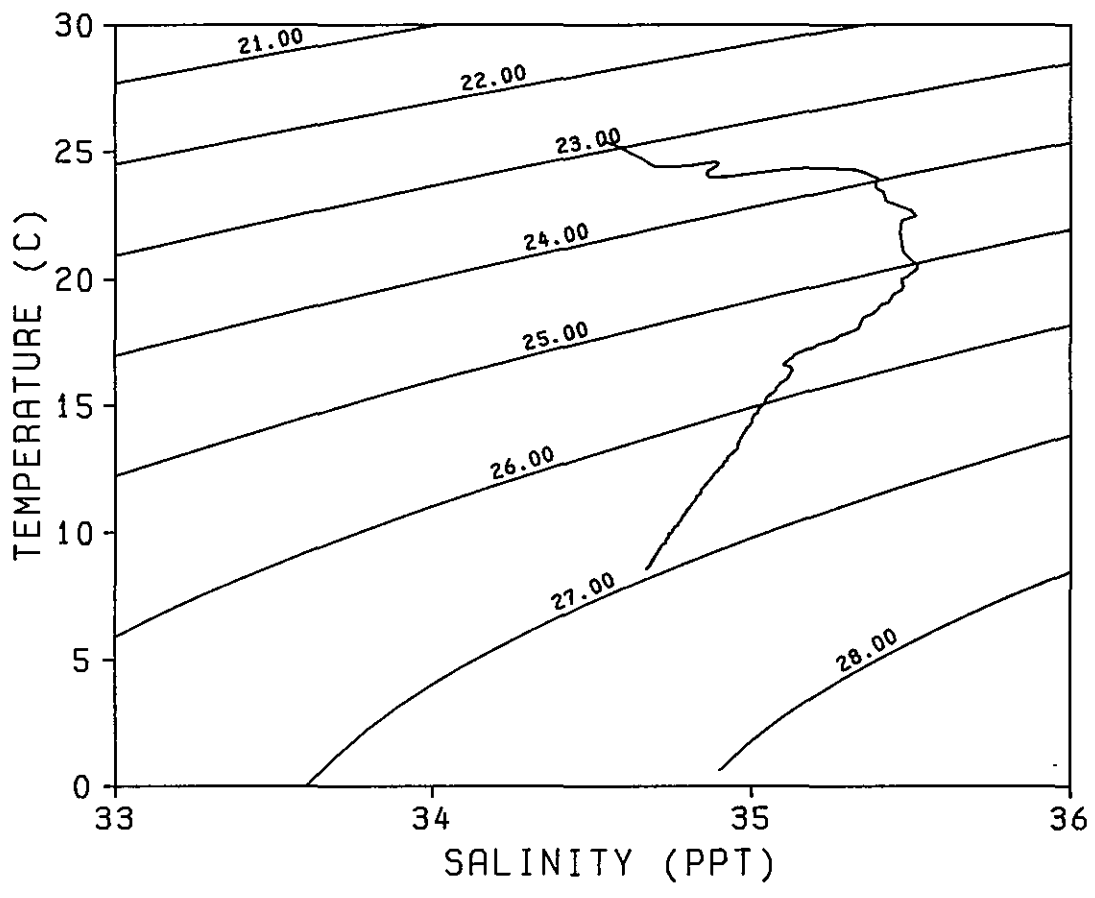




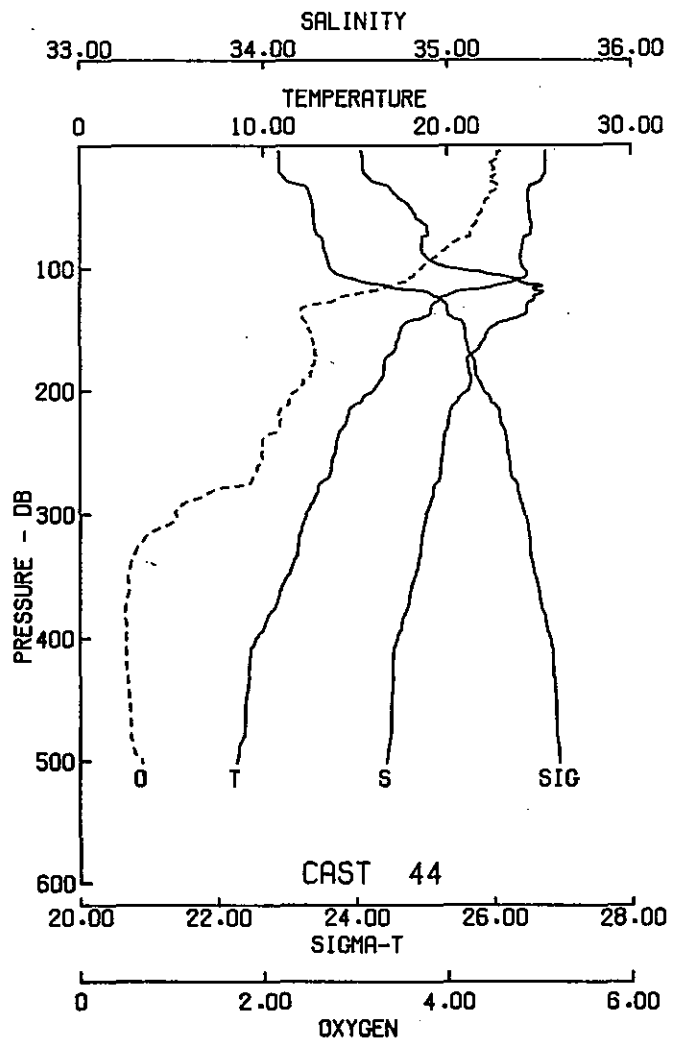
CAST EP4-R2-RS-043 DATE 08 NOV 82 TIME 0128 GMT
 LAT 29.75S LONG 02 32.1W WEATHER 2 SEA STATE 3
 BAROMETER 27 WIND DIR 170 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 7 DRY 25.1 WET 22.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.207	34.445	4.41	22.569	0.000
6.	25.981	34.450	4.34	22.643	
10.	25.929	34.451	4.27	22.660	.052
20.	25.893	34.458	4.29	22.677	.104
30.	24.681	34.704	4.37	23.233	.154
40.	24.359	34.717	4.30	23.339	.200
50.	24.199	34.711	4.28	23.382	.245
60.	24.197	34.781	4.25	23.435	.290
70.	23.793	34.843	4.18	23.602	.335
80.	23.453	34.885	3.85	23.733	.377
90.	23.367	34.915	3.53	23.781	.419
100.	23.384	34.961	3.48	23.811	.461
110.	23.414	35.051	3.36	23.870	.502
120.	23.249	35.277	3.25	24.090	.542
130.	21.798	35.614	3.99	24.758	.577
140.	20.288	35.457	3.83	25.051	.607
150.	19.814	35.350	3.80	25.094	.637
160.	18.734	35.165	3.80	25.231	.666
170.	18.162	35.291	3.69	25.471	.692
180.	17.404	35.216	3.63	25.599	.717
190.	16.672	35.112	3.62	25.695	.742
200.	16.086	35.063	3.60	25.793	.765
250.	13.448	34.944	3.98	26.276	.866
300.	12.901	34.912	1.86	26.362	.955
350.	10.873	34.798	.93	26.660	1.038
400.	9.945	34.739	.57	26.776	1.108
450.	9.604	34.723	.53	26.821	1.175
500.	8.570	34.668	.53	26.946	1.238
503.	8.571	34.668	.63	26.945	

CAST EP4-82-RS-044 DATE 08 NOV 82 TIME 0538 GMT
LAT 0 59.6S LONG 092 30.3W



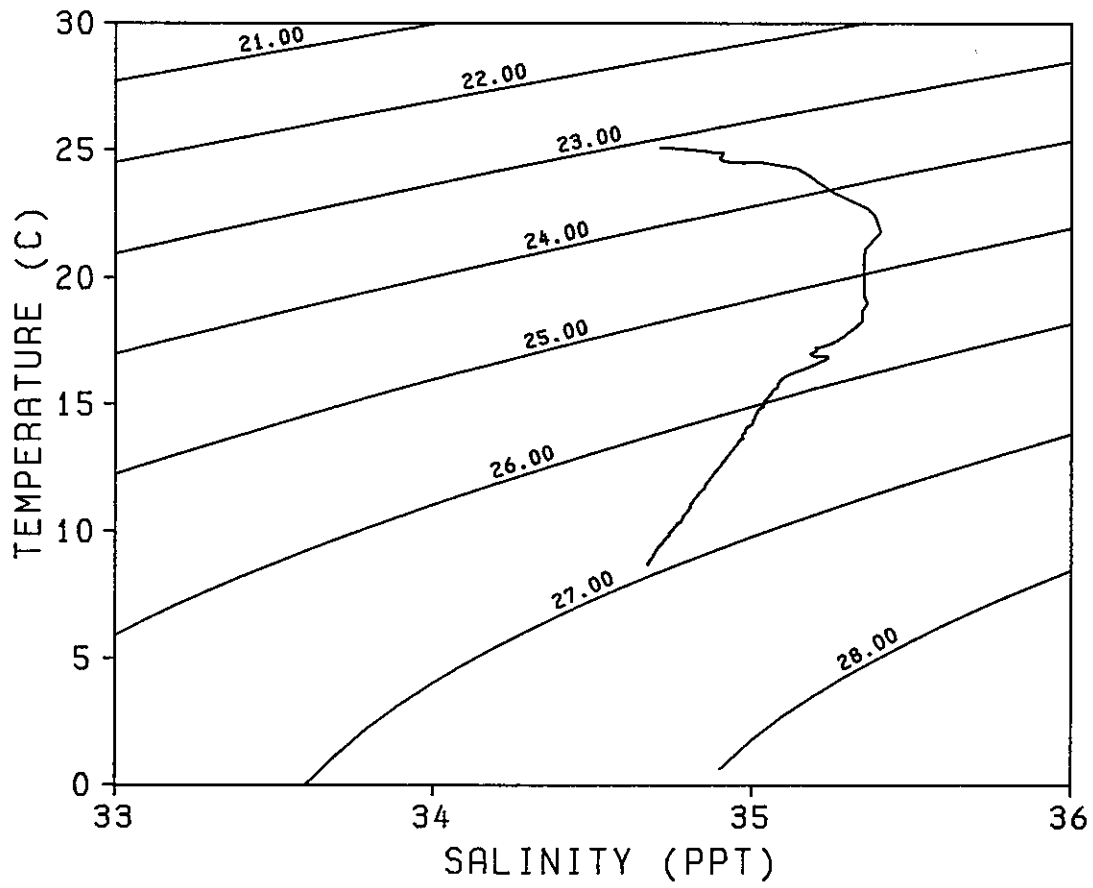
CAST EP4-22-RS-044 DATE 08 NOV 82 TIME 0538 GMT
 LAT 0 59.65 LONG 092 36.34 WEATHER 2 SEA STATE 4
 BAROMETER 28.1 WIND DIR 155 T SPD 12 KT VISIBILITY 9
 CLOUD 8 AMOUNT 8 DRY 25.0 WET 22.0 DEPTH M



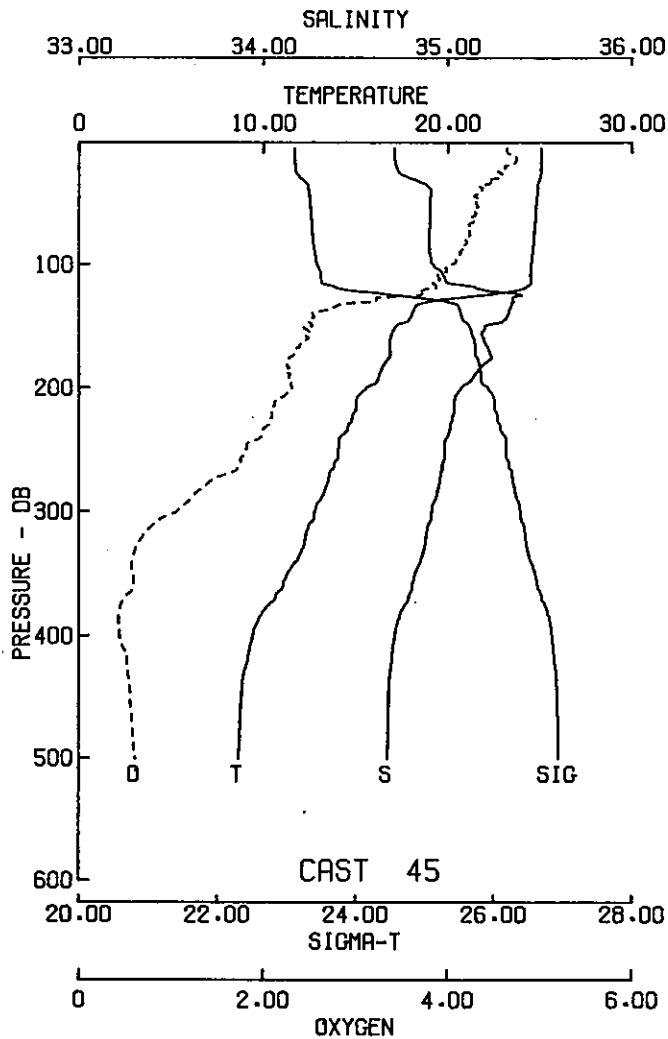
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-C)
0.	25.365	34.519	4.66	22.885	0.000
5.	25.370	34.533	4.58	22.895	
10.	25.377	34.542	4.52	22.909	.050
20.	25.369	34.545	4.52	22.904	.100
30.	25.352	34.601	4.49	22.943	.140
40.	25.373	34.714	4.45	22.933	.190
50.	24.421	34.795	4.38	22.930	.241
60.	24.487	34.837	4.33	22.929	.286
70.	24.503	34.893	4.25	22.944	.331
80.	24.061	34.861	4.05	22.934	.375
90.	24.965	34.882	3.89	22.934	.416
100.	24.138	35.022	3.72	22.935	.460
110.	24.753	35.089	3.59	22.927	.504
120.	24.406	35.019	3.08	22.925	.549
130.	19.559	35.432	2.55	22.927	.594
140.	18.743	35.389	2.43	22.925	.637
150.	17.475	35.229	2.48	22.925	.680
160.	17.284	35.194	2.55	22.925	.724
170.	16.266	35.135	2.55	22.925	.768
180.	15.532	35.110	2.55	22.925	.811
190.	14.427	35.127	2.49	22.925	.855
200.	13.968	35.109	2.37	22.925	.899
250.	8.895	34.973	1.99	22.926	.943
300.	8.331	34.883	1.04	22.926	.987
350.	8.359	34.821	.53	22.926	1.031
400.	8.626	34.724	.51	22.926	1.075
450.	8.030	34.692	.55	22.926	1.119
500.	8.554	34.666	.68	22.926	1.163
502.	8.512	34.664	.68	22.926	1.207

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CAST EP4-82-RS-045 DATE 08 NOV 82 TIME 0951 GMT
LAT 1 30.5S LONG 092 29.5W



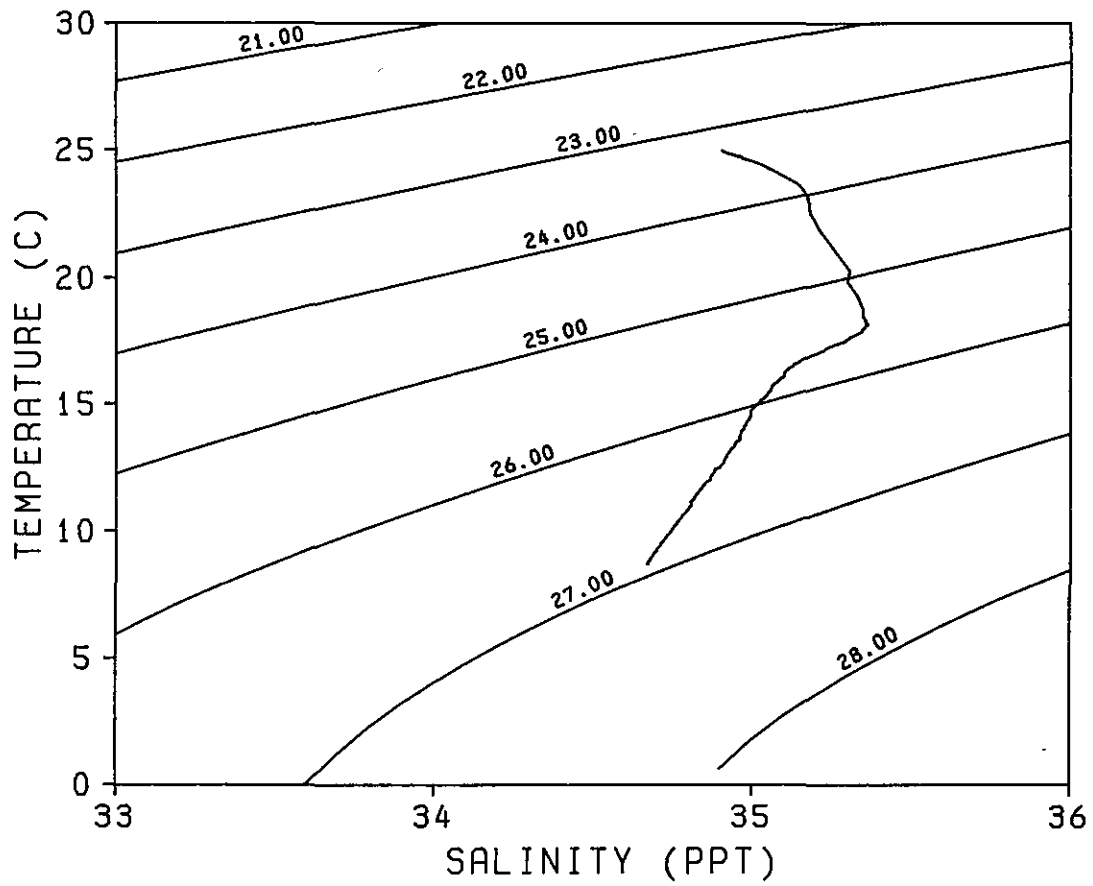
223



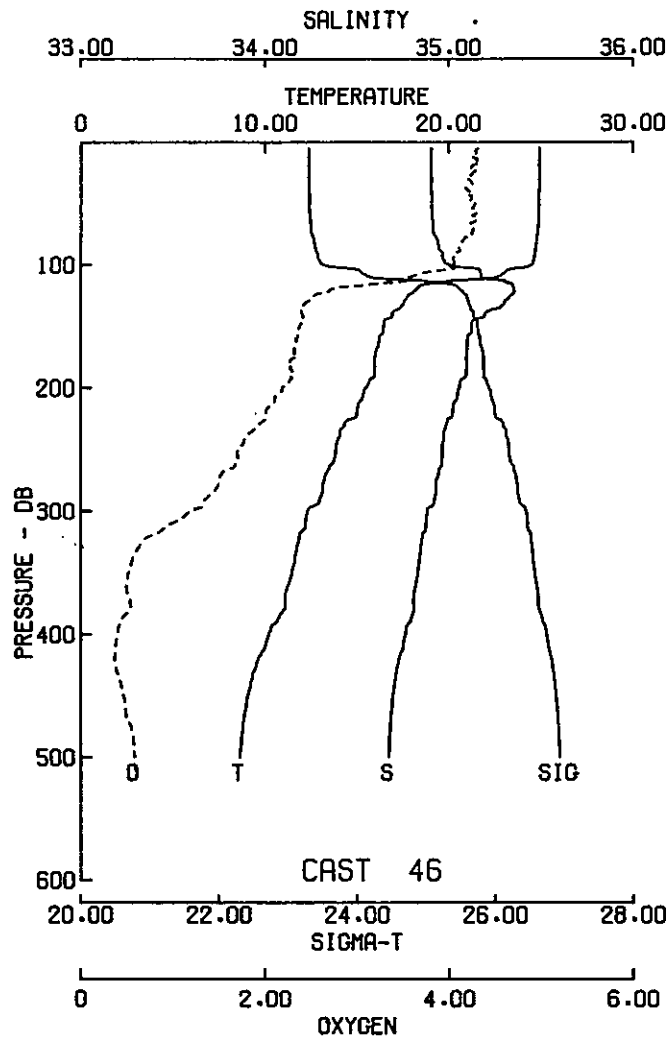
CAST EP4-82-RS-045 DATE 08 NOV 82 TIME 0951 GMT
 LAT 1 30.5S LONG 092 29.5W W FATHER 1 SEA STATE 1
 BAROMETER 37 WIND DIR 135 T SPD 12 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 24.0 WET 22.5 DEPTH 3346 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	25.910	34.719	4.65	23.145	0.000
5	25.856	34.713	4.64	23.123	
10	25.862	34.713	4.69	23.124	.048
20	25.859	34.723	4.51	23.133	.095
30	24.981	34.805	4.49	23.3218	.140
40	24.875	34.909	4.37	23.329	.188
50	24.895	34.905	4.31	23.3447	.234
60	24.754	34.903	4.29	23.3651	.280
70	24.710	34.901	4.26	23.373	.325
80	24.661	34.902	4.18	23.386	.371
90	24.580	34.899	4.13	23.410	.416
100	24.513	34.917	4.06	23.444	.461
110	24.484	34.983	3.89	23.502	.506
120	23.930	35.183	3.75	23.5818	.549
130	18.970	35.361	3.23	23.623	.588
140	18.940	35.327	2.53	23.527	.600
150	17.190	35.197	2.53	23.637	.634
160	16.860	35.194	2.49	23.712	.657
170	16.876	35.224	2.34	23.732	.681
180	16.583	35.204	2.27	23.786	.704
190	16.260	35.144	2.29	23.814	.726
200	15.584	35.076	2.32	23.917	.749
250	14.064	34.981	1.81	23.976	.850
300	12.780	34.914	1.07	23.987	.941
350	11.331	34.823	.59	23.996	1.024
400	9.432	34.713	.44	23.843	1.094
450	8.811	34.680	.56	23.917	1.157
500	8.649	34.672	.61	23.937	1.212
550	8.647	34.672	.61	23.937	

CAST EP4-82-RS-046, DATE 08 NOV 82 TIME 1339 GMT
LAT 1 57.3S LONG 092 28.0W



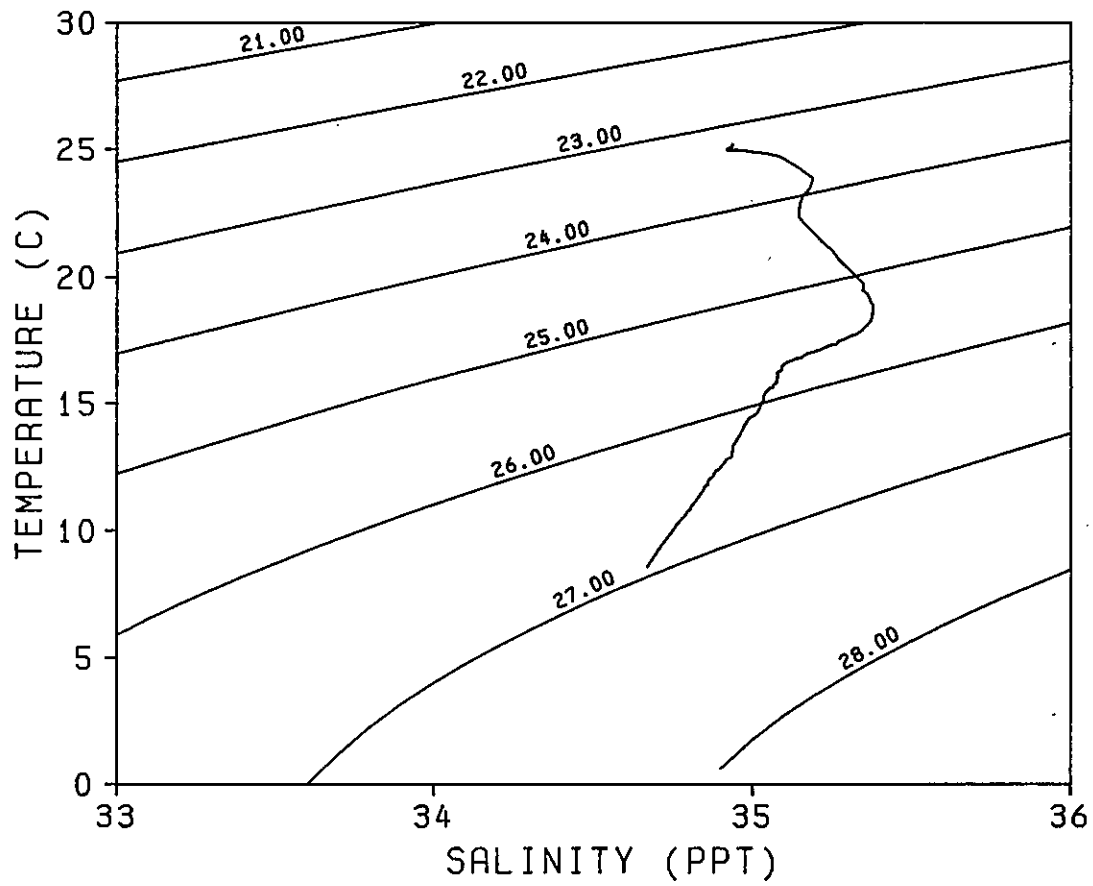
225



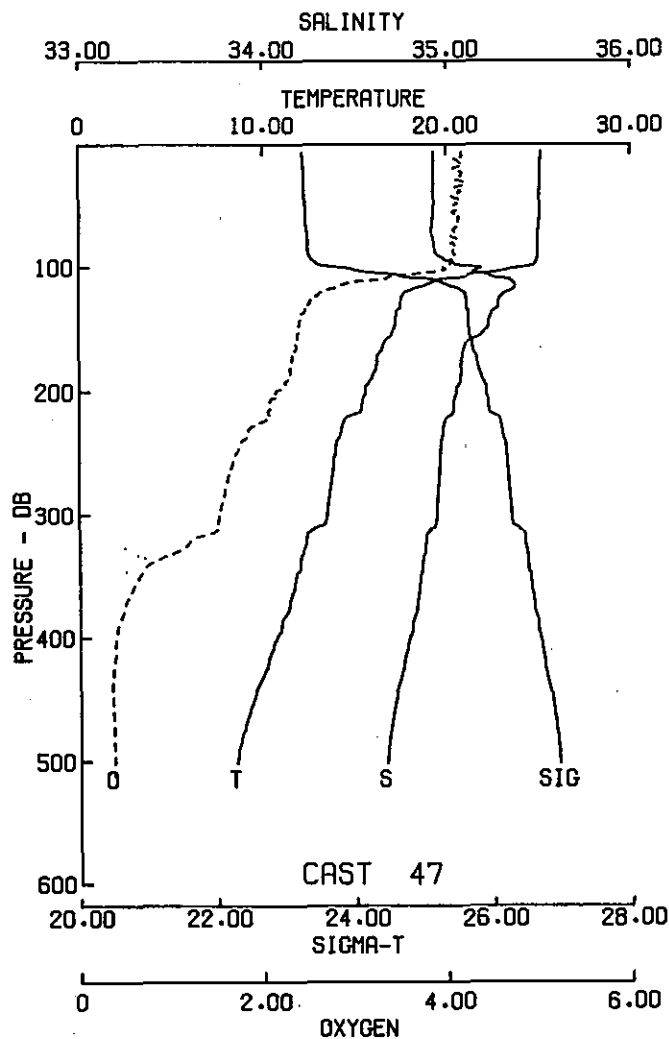
CAST EP4-82-RS-246 DATE 08 NOV 82 TIME 1339 GMT
 LAT 1 57.35 LONG 092 28.9W WFAATHER 2 SEA STATE 3
 BAROMETER 29 WIND DIR 120 T SPD 12 KT VISIBILITY 7
 CLOUD 4 AMOUNT 6 DRY 23.9 WFT 22.5 DEPTH *

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-P (DYN-CM)
0.	24.932	34.909	4.39	23.312	0.006
5.	24.934	34.908	4.32	23.311	
10.	24.937	34.908	4.30	23.309	.046
20.	24.935	34.908	4.25	23.310	.092
30.	24.937	34.908	4.26	23.310	.138
40.	24.915	34.909	4.21	23.316	.183
50.	24.912	34.909	4.20	23.316	.229
60.	24.889	34.912	4.26	23.327	.275
70.	24.863	34.917	4.27	23.338	.321
80.	24.769	34.940	4.15	23.385	.367
90.	24.685	34.968	4.09	23.431	.412
100.	24.510	34.902	4.04	23.509	.457
110.	22.692	34.517	3.59	24.174	.497
120.	18.268	34.356	2.75	25.494	.526
130.	17.589	34.302	2.48	25.621	.551
140.	16.940	34.197	2.41	25.696	.575
150.	16.477	34.125	2.38	25.750	.598
160.	16.247	34.102	2.36	25.786	.621
170.	16.074	34.098	2.33	25.823	.644
180.	15.992	34.096	2.33	25.840	.666
190.	15.979	34.093	2.28	25.841	.688
200.	15.529	34.057	2.19	25.916	.710
250.	13.858	34.966	1.71	25.208	.811
300.	12.334	34.881	1.20	26.450	.901
350.	11.471	34.831	.52	26.575	.981
400.	10.205	34.763	.47	26.751	1.055
450.	9.077	34.694	.47	26.885	1.121
500.	8.646	34.673	.59	26.938	1.183

CAST EP4-82-RS-047 DATE 08 NOV 82 TIME 1737 GMT
LAT 2 30.0S LONG 92 30.0W

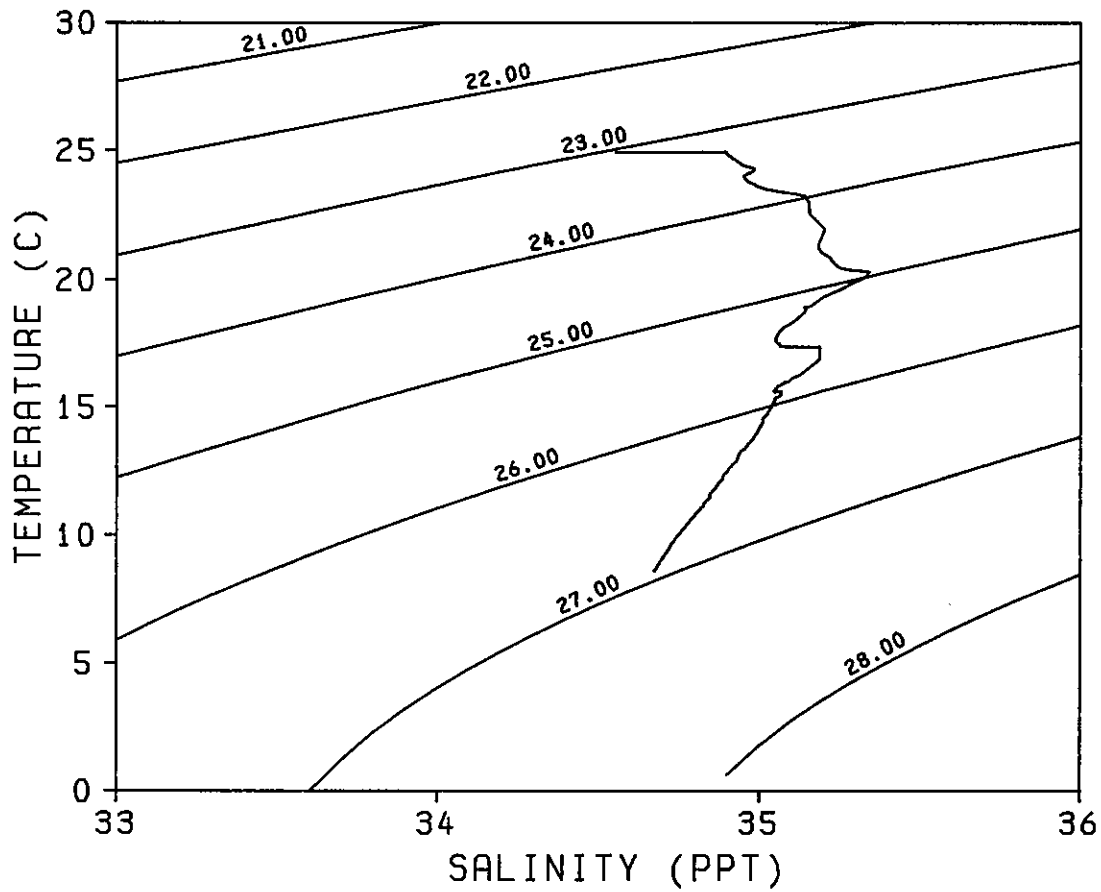


CAST EP4-R2-RS-347 DATE 08 NOV 82 TIME 1737 GMT
 LAT 2 30.0S LONG 92 30.0W WEATHER 2 SEA STATE 4
 BAROMETER 10 WIND DIR 140 T SPD 14 KT VISIBILITY 0
 CLOUD 8 AMOUNT 8 DRY 25.8 WET 23.0 DEPTH M

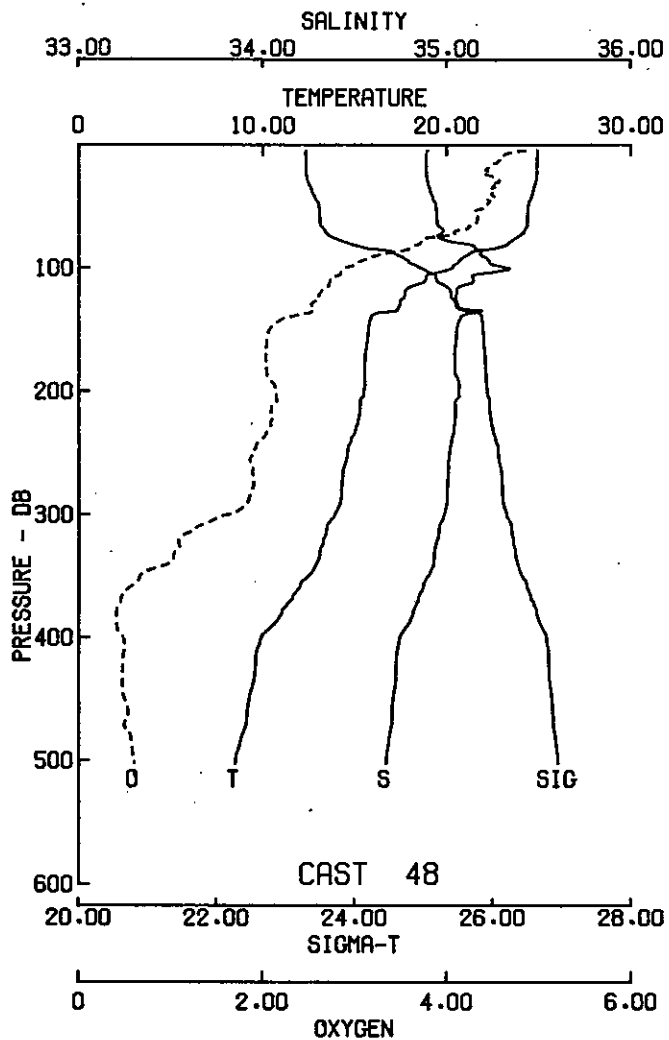


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.156	34.919	4.22	23.251	0.000
5.	25.181	34.933	4.17	23.254	
10.	25.161	34.930	4.18	23.262	.044
15.	25.098	34.934	4.08	23.275	.093
20.	25.083	34.934	4.16	23.289	.135
30.	25.063	34.932	4.13	23.283	.185
40.	25.030	34.929	4.08	23.287	.231
50.	24.966	34.926	4.12	23.294	.277
60.	24.942	34.918	4.07	23.308	.323
70.	24.947	34.931	4.10	23.325	.368
80.	24.947	34.947	4.10	23.335	.415
90.	24.947	35.123	3.98	23.652	.466
100.	19.711	35.345	3.35	23.518	.497
110.	17.838	35.336	2.66	23.586	.523
120.	17.508	35.281	2.52	23.624	.548
130.	17.260	35.257	2.43	23.659	.570
140.	17.161	35.219	2.40	23.660	.590
150.	16.664	35.122	2.40	23.704	.619
160.	16.342	35.088	2.35	23.753	.646
170.	16.157	35.074	2.30	23.785	.684
180.	15.900	35.073	2.27	23.843	.710
190.	15.557	35.056	2.14	23.903	.710
200.	13.929	34.954	1.71	24.191	.811
250.	13.492	34.944	1.52	26.267	.984
300.	11.772	34.851	.65	26.534	1.135
350.	10.747	34.795	.41	26.680	1.065
400.	9.458	34.718	.36	26.842	1.135
450.	8.551	34.670	.38	26.951	1.197
500.	8.542	34.668	.37	26.950	

CAST EP4-82-RS-048 DATE 10 NOV 82 TIME 0818 GMT
LAT 1 58.9S LONG 089 00.4W



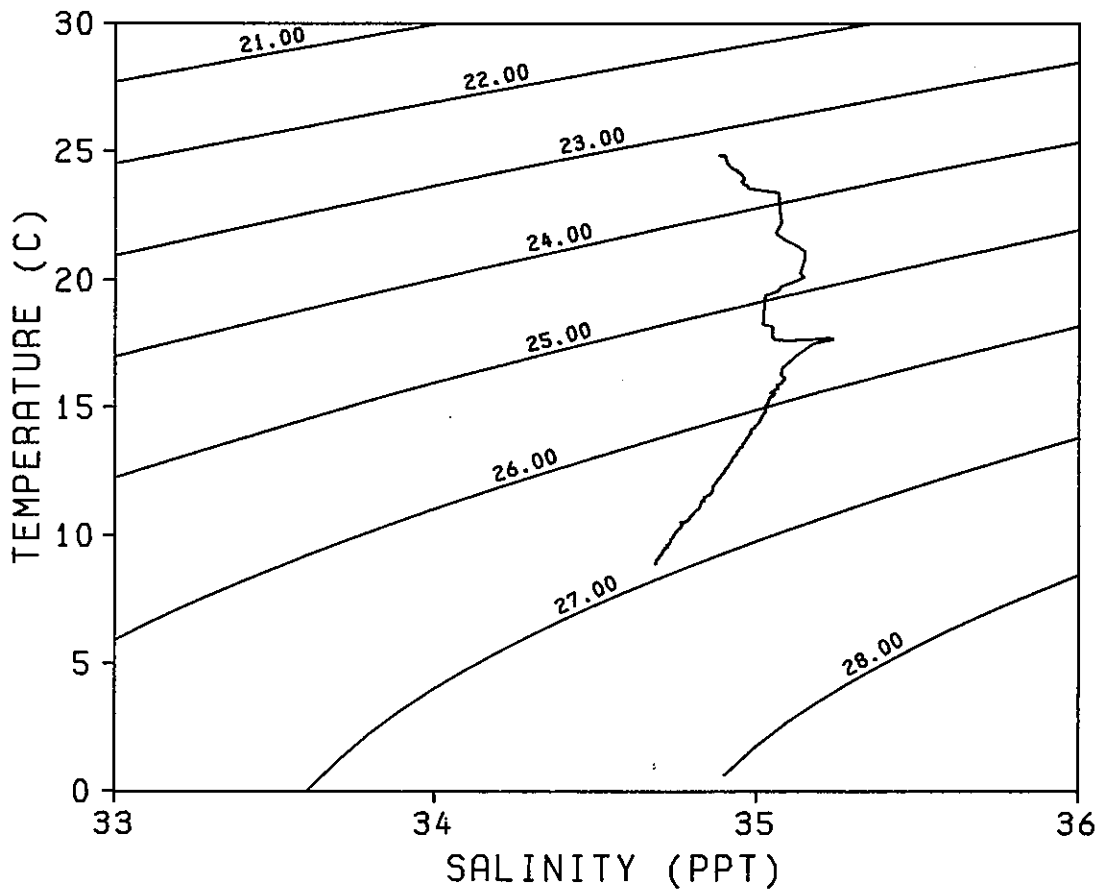
229



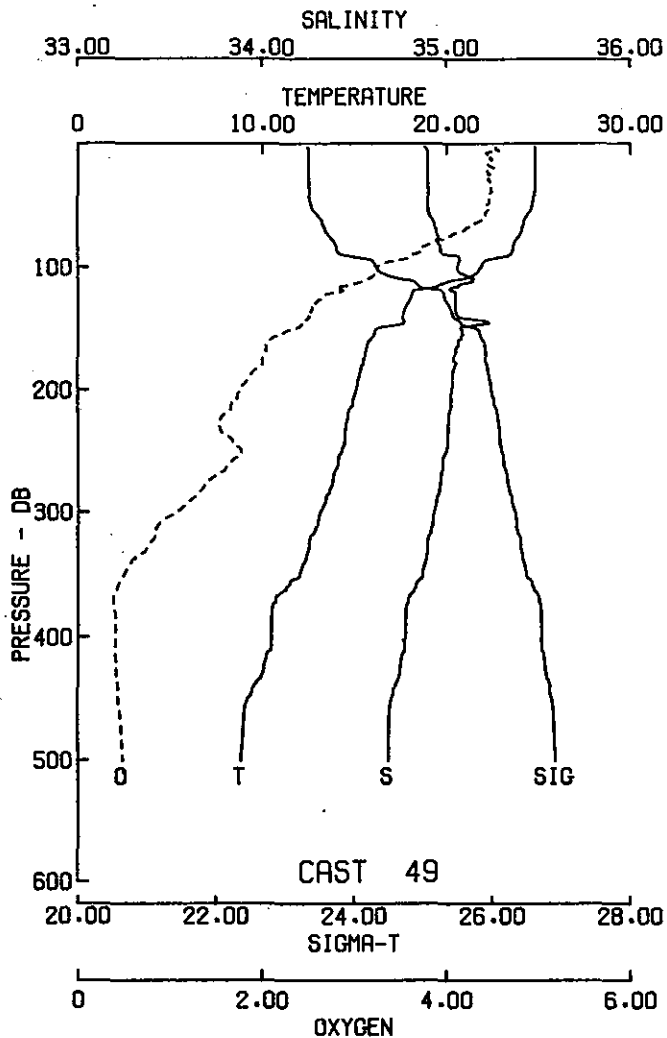
CAST EP4-82-RS-048 DATE 10 NOV 82 TIME 0818 GMT
 LAT 1 58.9S LONG 089 00.4W WEATHER 2 SEA STATE 4
 BAROMETER 09 WIND DIR 180 T SPD 16 KT VISIBILITY 9
 CLOUD 8 AMOUNT 6 DRY 25.0 WET 22.8 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.797	34.913	5.29	23.356	0.000
5.	24.931	34.897	4.86	23.303	
10.	24.929	34.890	4.63	23.298	.046
20.	24.923	34.890	4.43	23.300	.092
30.	24.851	34.897	4.58	23.327	.138
40.	24.659	34.918	4.48	23.401	.183
50.	24.433	34.944	4.43	23.488	.228
60.	24.398	34.949	4.33	23.502	.272
70.	24.239	34.984	4.10	23.576	.316
80.	23.382	35.065	3.72	23.890	.358
90.	21.146	35.187	3.28	24.613	.395
100.	20.330	35.311	2.92	24.928	.427
110.	18.858	35.146	2.74	25.186	.457
120.	17.739	35.053	2.64	25.394	.484
130.	17.456	35.062	2.53	25.469	.510
140.	15.912	35.077	2.33	25.843	.534
150.	15.757	35.054	2.08	25.862	.556
160.	15.689	35.051	2.05	25.875	.578
170.	15.585	35.042	2.04	25.891	.599
180.	15.563	35.045	2.05	25.899	.621
190.	15.562	35.060	2.08	25.910	.643
200.	15.513	35.065	2.15	25.925	.664
250.	14.625	35.016	1.90	26.083	.769
300.	13.942	34.987	1.67	26.207	.867
350.	12.572	34.903	.68	26.420	.957
400.	9.965	34.746	.49	26.779	1.033
450.	9.288	34.710	.51	26.864	1.100
500.	8.572	34.673	.61	26.950	1.162
503.	8.534	34.671	.61	26.954	

CAST EP4-82-RS-049 DATE 10 NOV 82 TIME 1304 GMT
LAT 1 28.6S LONG 088 59.4W

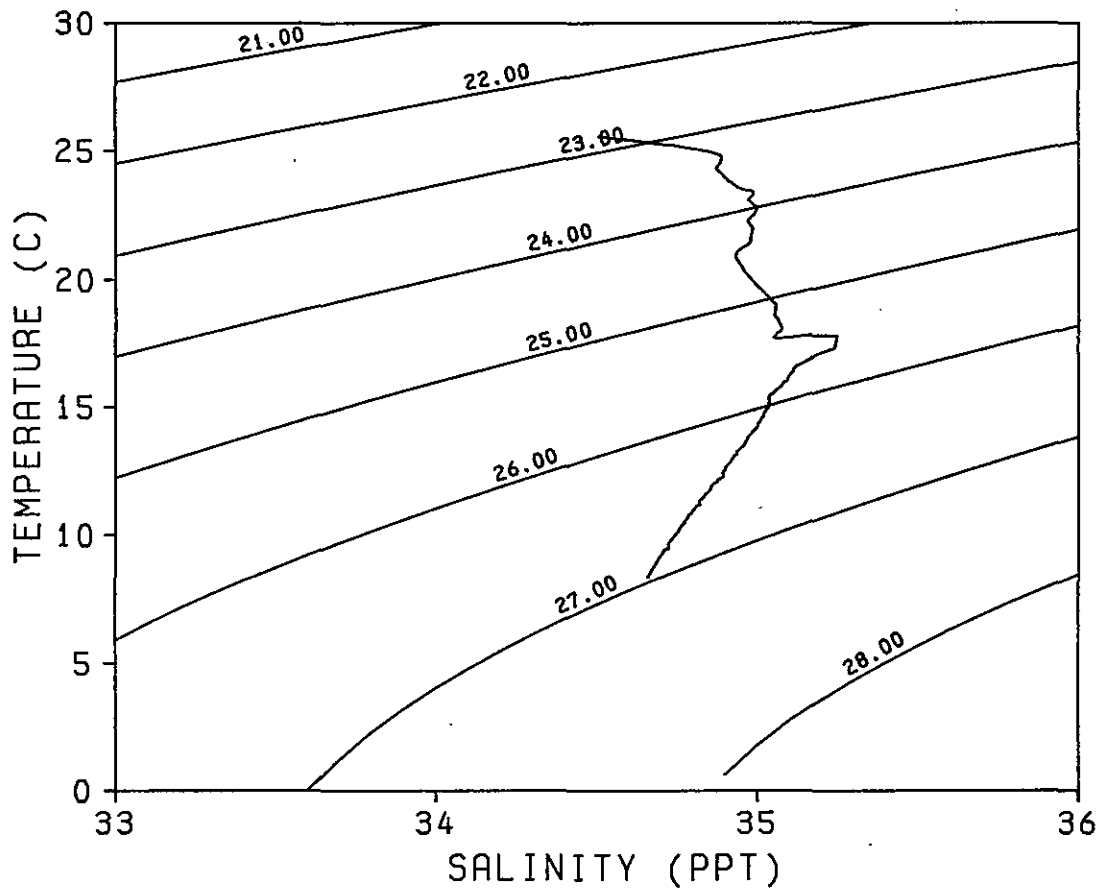


CAST FP4-P2-RS-049 DATE 10 NOV 82 TIME 1304 GMT
 LAT 1 28.6S LONG 98.4W WEATHFR 2 SEA STATE 3
 BAROM FFR 11 WIND DIR 170 T SPD 18 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 PRY 24.8 WET 22.8 DEPTH 0490 M

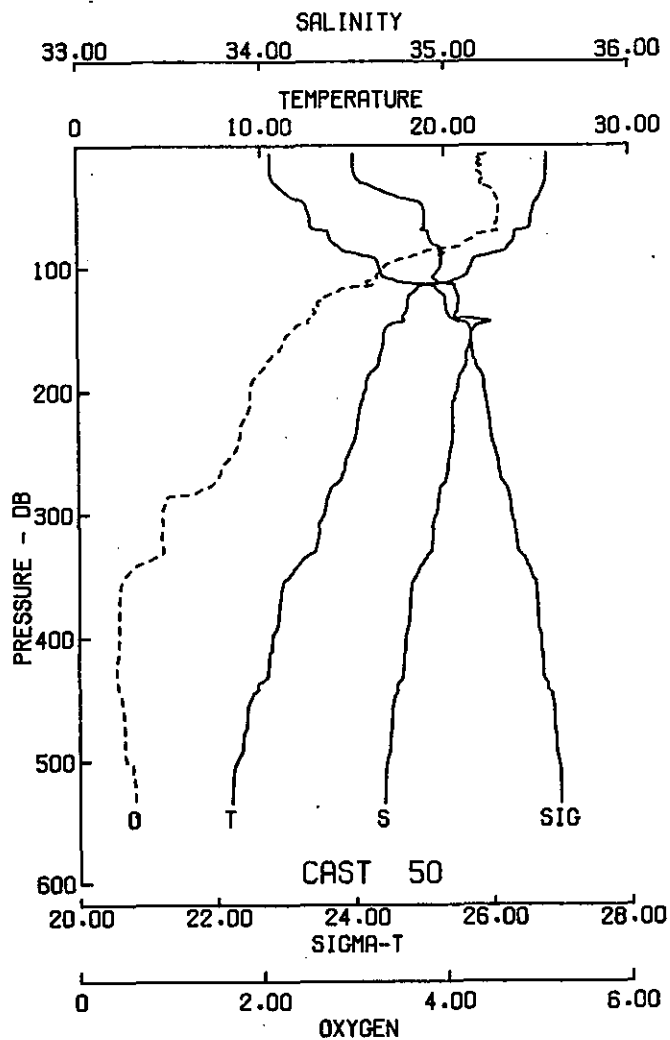


PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-P (DYN-M)
0.	24.815	34.870	4.57	23.318	0.000
3.	24.818	34.884	4.54	23.328	
10.	24.823	34.897	4.49	23.336	.046
20.	24.823	34.897	4.52	23.336	.091
30.	24.806	34.899	4.44	23.342	.137
40.	24.783	34.903	4.48	23.352	.182
50.	24.699	34.902	4.44	23.380	.228
60.	24.323	34.921	4.41	23.504	.273
70.	24.122	34.948	4.20	23.584	.316
80.	23.706	34.957	3.85	23.714	.359
90.	23.478	34.904	3.63	23.816	.401
100.	21.882	34.860	3.24	24.314	.439
110.	20.821	34.814	2.85	24.572	.475
120.	18.166	34.845	2.85	25.283	.505
130.	17.881	34.804	2.57	25.455	.532
140.	17.628	34.862	2.53	25.428	.559
150.	16.291	34.873	2.36	25.754	.583
160.	15.827	34.866	2.08	25.856	.606
170.	15.574	34.847	1.83	25.899	.628
180.	15.463	34.853	1.61	25.927	.649
190.	15.264	34.837	1.47	25.959	.676
200.	15.108	34.831	1.31	25.989	.691
250.	14.328	34.999	1.17	26.135	.792
300.	13.153	34.933	1.08	26.328	.886
350.	12.039	34.871	.95	26.499	.971
400.	10.489	34.777	.80	26.712	1.045
450.	9.256	34.703	.64	26.864	1.114
500.	8.855	34.686	.49	26.915	1.177
501.	8.854	34.685	.49	26.914	

CAST EP4-82-RS-050 DATE 10 NOV 82 TIME 1624 GMT
LAT 0 51.1S LONG 088 59.5W

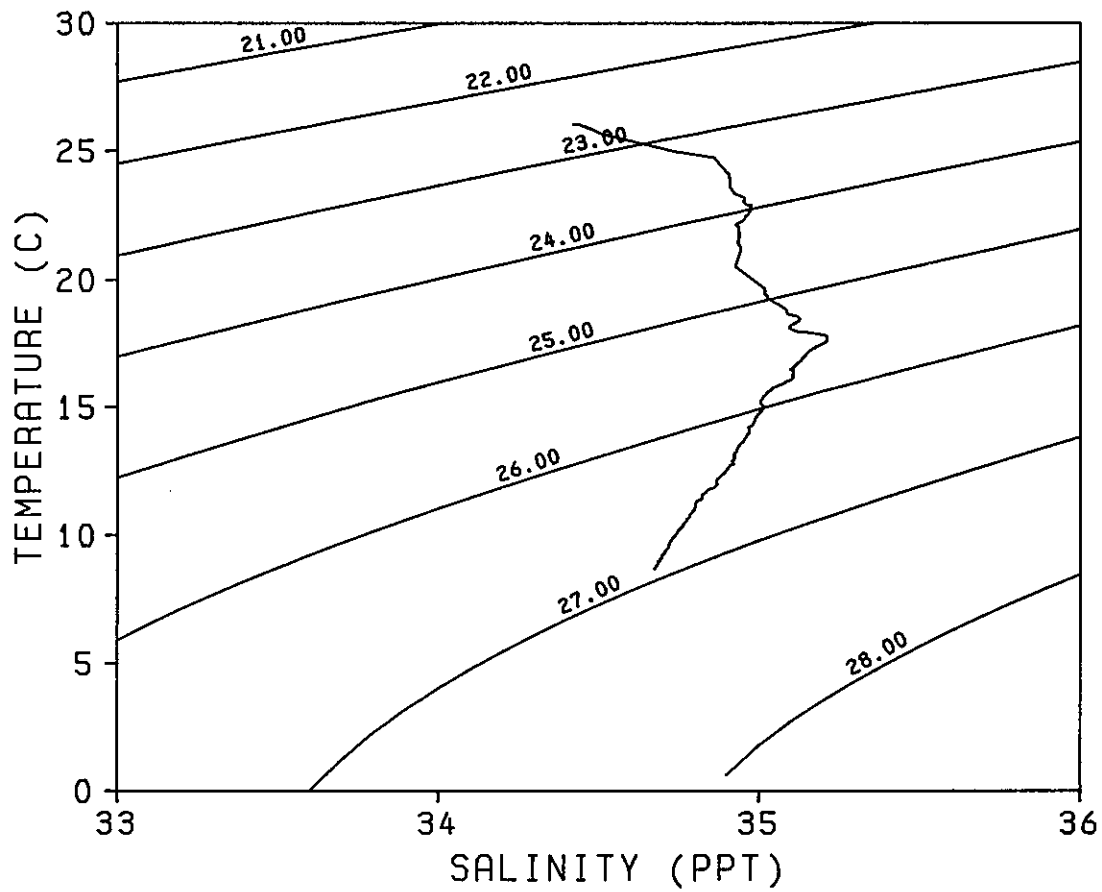


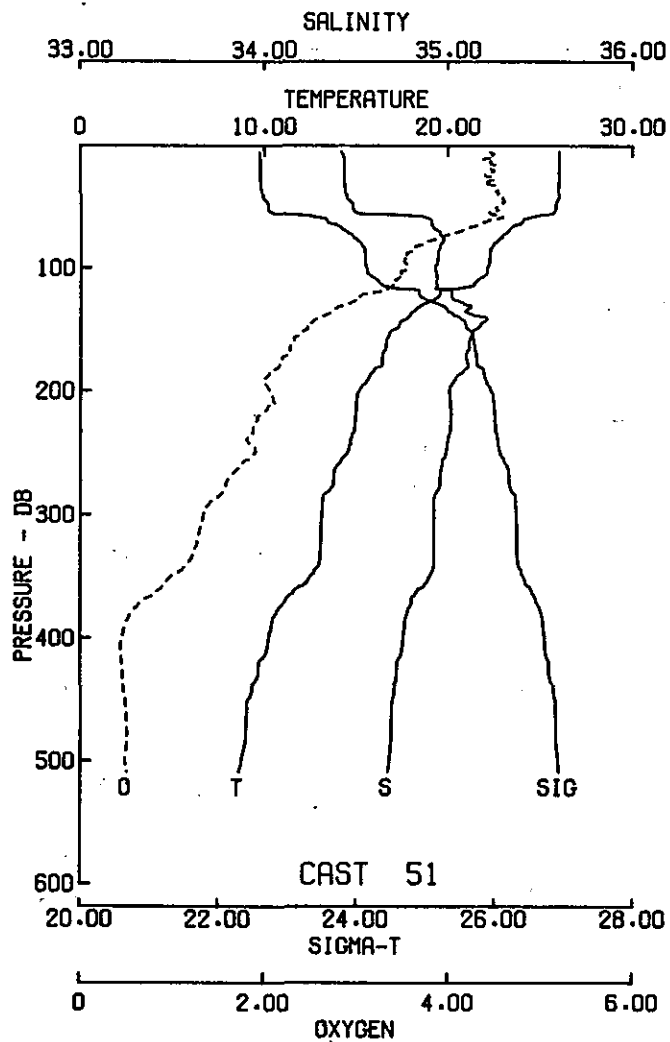
CAST EP4-82-RS-050 DATE 10 NOV 82 TIME 1624 SMT
 LAT C 51.15 LONG DR 59.54 WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 185 T SPD 18 KT VISIBILITY 6
 CLOUD 6 AMOUNT 9 DRY 26.0 WET 23.0 DEPTH 0869 M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
7.	25.569	34.508	4.46	22.815	
10.	25.567	34.509	4.35	22.815	.051
20.	25.567	34.509	4.38	22.816	.171
30.	25.562	34.548	4.40	22.865	.152
40.	25.244	34.702	4.56	23.061	.301
50.	24.814	34.884	4.59	23.329	.348
60.	24.657	34.891	4.58	23.381	.348
70.	23.817	34.918	4.58	23.646	.338
80.	23.601	34.936	4.21	23.729	.381
90.	22.282	34.969	3.67	24.133	.422
100.	21.399	34.974	3.34	24.383	.453
110.	20.516	34.951	3.25	24.605	.453
120.	18.323	35.056	2.85	25.259	.503
130.	17.981	35.073	2.62	25.350	.503
140.	17.703	35.049	2.56	25.399	.577
150.	16.782	35.150	2.37	25.704	.602
160.	16.658	35.140	2.25	25.719	.638
170.	16.519	35.119	2.15	25.736	.648
180.	16.389	35.110	2.04	25.776	.671
190.	15.746	35.371	1.92	25.877	.694
230.	15.613	35.062	1.88	25.909	.715
250.	14.748	35.023	1.70	26.052	.821
300.	13.419	34.951	.92	26.287	.917
350.	11.482	34.835	.51	26.575	1.003
400.	10.543	34.776	.45	26.701	1.077
450.	9.347	34.708	.47	26.853	1.147
500.	8.580	34.670	.52	26.946	1.210
535.	8.312	34.658	.62	26.978	

CAST EP4-82-RS-051 DATE 11 NOV 82 TIME 0303 GMT
LAT 0 00.5S LONG 089 00.4W

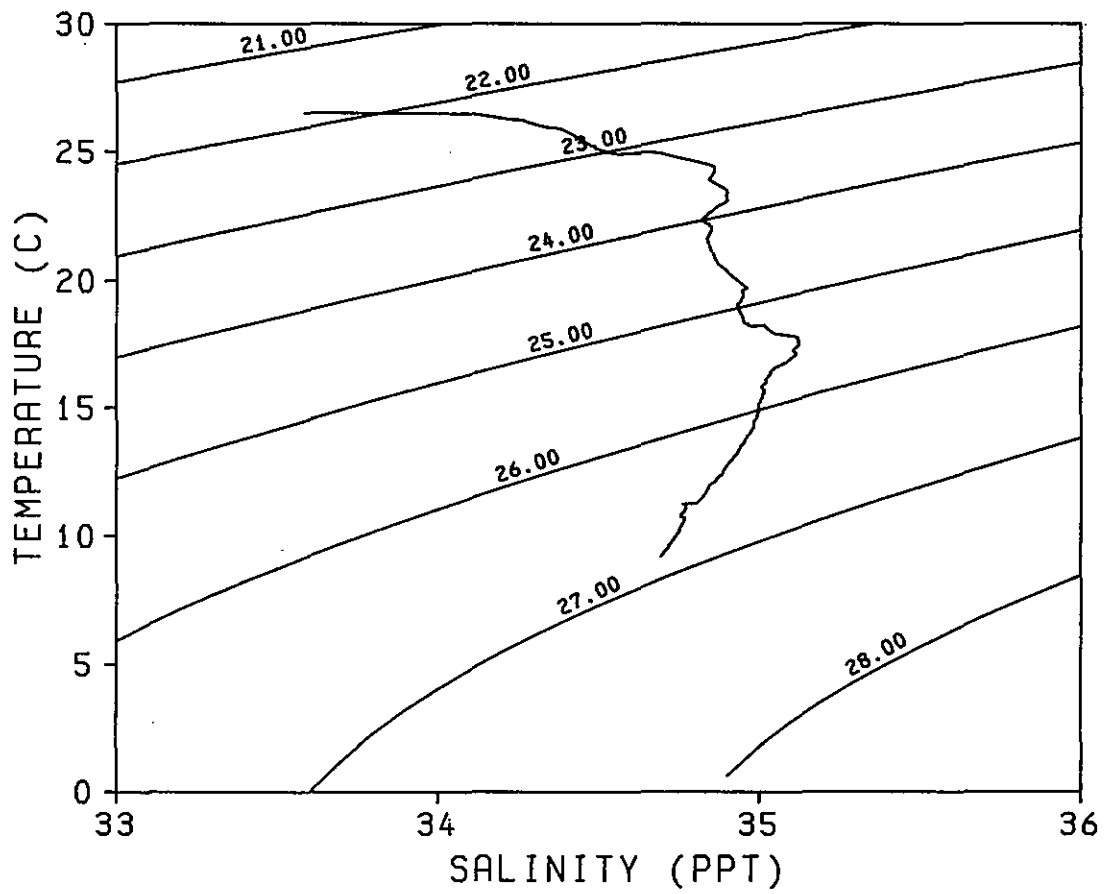




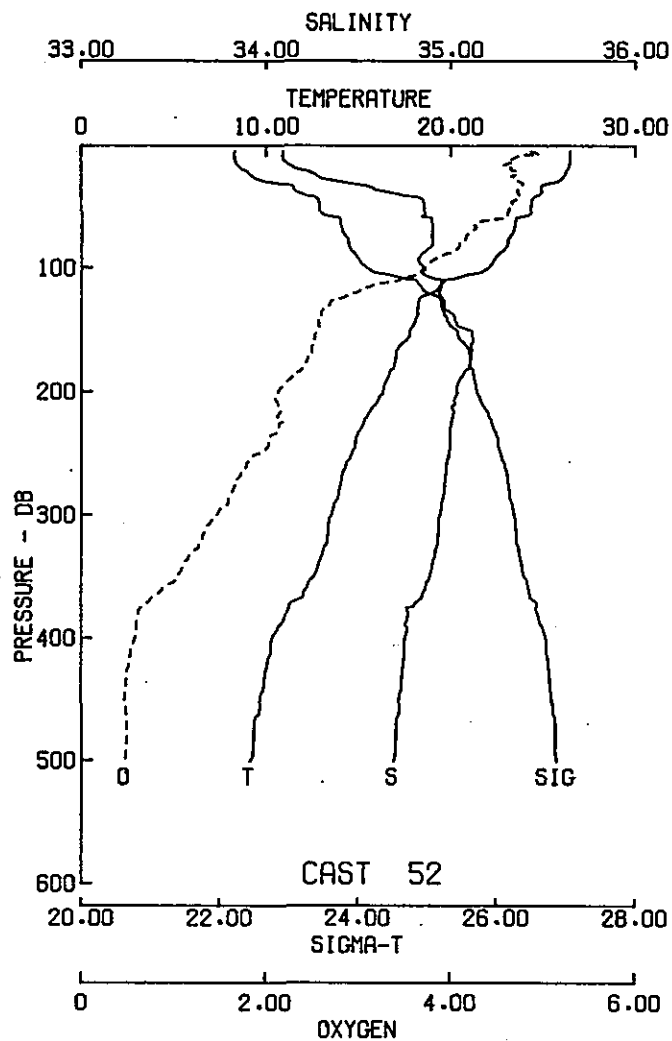
CAST EP4-82-RS-651 DATE 11 NOV 82 TIME 0303 GMT
 LAT 3 00.55 LONG 099 00.4W WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 165 T SPD 18 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 24.1 WET 22.6 DEPTH 2400 M

PPFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.024	34.403	4.35	22.595	0.000
5.	26.037	34.420	4.46	22.604	
10.	26.039	34.436	4.44	22.615	.053
20.	26.037	34.438	4.50	22.617	.105
30.	26.039	34.438	4.42	22.616	.158
40.	25.978	34.447	4.54	22.642	.210
50.	25.910	34.483	4.52	22.722	.262
60.	24.108	34.902	4.51	23.554	.311
70.	23.196	34.951	4.12	23.858	.354
80.	22.467	34.963	3.74	24.075	.393
90.	22.235	34.943	3.55	24.152	.432
100.	22.098	34.926	3.53	24.155	.470
110.	21.590	34.937	3.42	24.330	.508
120.	19.536	35.017	3.22	24.513	.542
130.	18.633	35.087	3.89	25.197	.572
140.	17.809	35.196	2.64	25.486	.599
150.	17.152	35.151	2.47	25.610	.624
160.	16.638	35.112	2.31	25.703	.648
170.	16.465	35.098	2.23	25.732	.671
180.	16.397	35.107	2.17	25.755	.694
190.	15.690	35.039	2.01	25.865	.717
200.	15.190	35.004	1.86	25.950	.738
250.	14.508	34.987	1.60	25.988	.841
300.	13.160	34.923	1.35	26.319	.935
350.	12.506	34.896	.98	26.428	1.024
400.	10.281	34.758	.46	26.733	1.099
450.	9.203	34.698	.49	26.868	1.167
500.	8.776	34.680	.50	26.922	1.229
509.	8.649	34.673	.51	26.938	

CAST EP4-82-RS-052 DATE 11 NOV 82 TIME 0749 GMT
LAT 01 00.0N LONG 089 00.0W



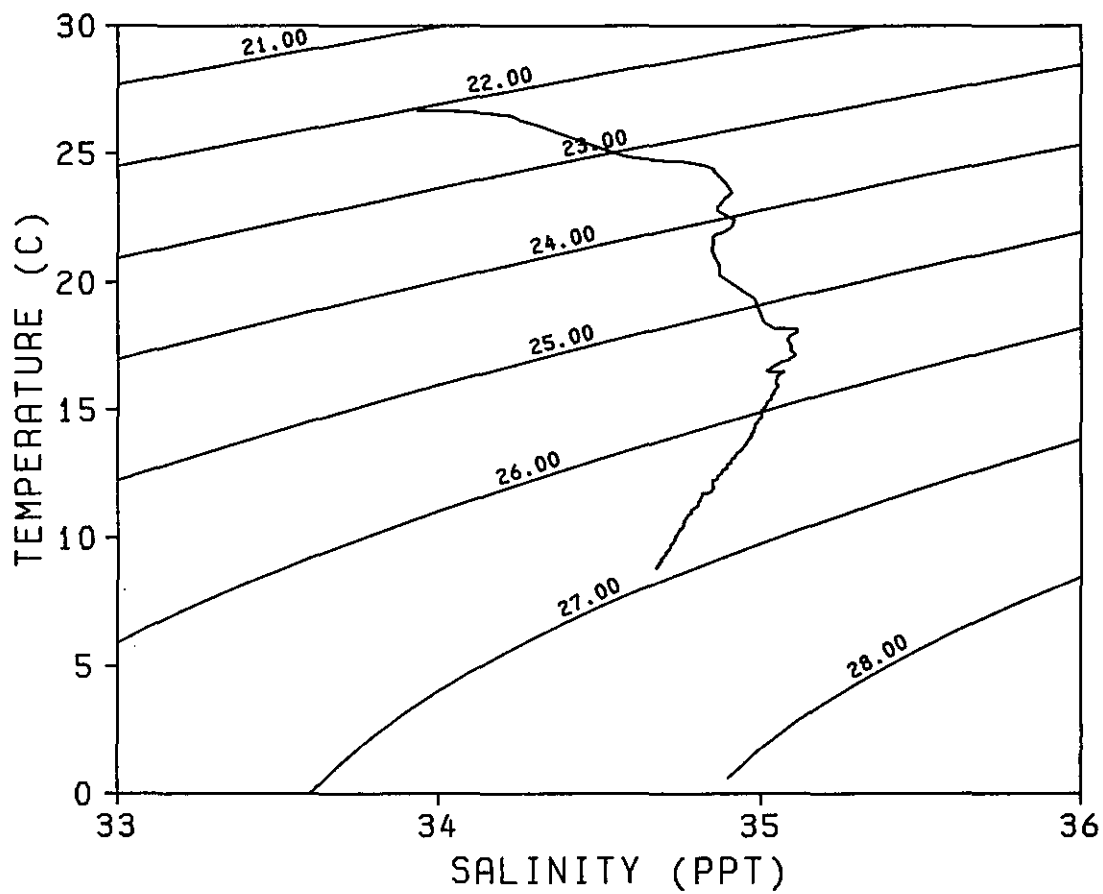
237

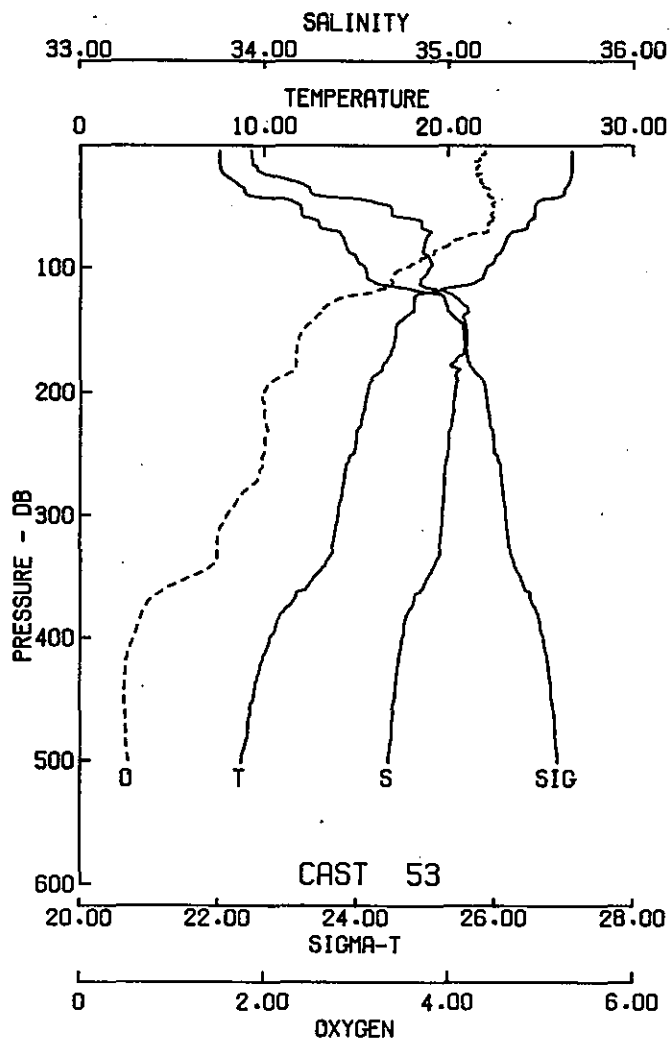


CAST EP4-82-RS-052 DATE 11 NOV 82 TIME 0749 GMT
 LAT 01 00.0N LONG 089 00.0W WEATHER 5 SEA STATE 4
 BAROMETER 11 WIND DIR 180 T SPD 20 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 24.0 WET 23.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.452	34.101	4.66	22.233	0.000
5.	26.479	34.093	4.87	22.219	
10.	26.487	34.094	4.70	22.217	.056
20.	26.316	34.185	4.55	22.339	.112
30.	25.698	34.412	4.75	22.703	.166
40.	24.795	34.728	4.75	23.217	.214
50.	24.363	34.862	4.63	23.447	.260
60.	23.491	34.896	4.51	23.731	.304
70.	23.377	34.899	4.24	23.766	.345
80.	23.069	34.901	4.09	23.857	.387
90.	22.513	34.837	3.92	23.967	.427
100.	22.068	34.853	3.72	24.105	.466
110.	19.698	34.961	3.45	24.831	.502
120.	19.038	34.931	3.99	24.976	.533
130.	18.225	34.964	3.69	25.206	.562
140.	18.117	35.024	3.58	25.278	.590
150.	17.822	35.090	3.56	25.402	.617
160.	17.480	35.123	3.50	25.510	.643
170.	17.039	35.111	3.46	25.607	.668
180.	16.931	35.102	3.42	25.625	.692
190.	16.561	35.049	3.27	25.672	.716
200.	16.344	35.035	3.13	25.715	.740
250.	14.657	34.993	1.95	26.058	.849
300.	13.571	34.946	1.47	26.252	.945
350.	12.615	34.889	1.04	26.401	1.035
400.	10.351	34.756	.58	26.719	1.114
450.	9.726	34.726	.47	26.803	1.183
500.	9.164	34.695	.48	26.872	1.249
501.	9.142	34.693	.48	26.875	

CAST EP4-82-RS-053 DATE 11 NOV 82 TIME 1056 GMT
LAT 01 30.6N LONG 088 59.8W

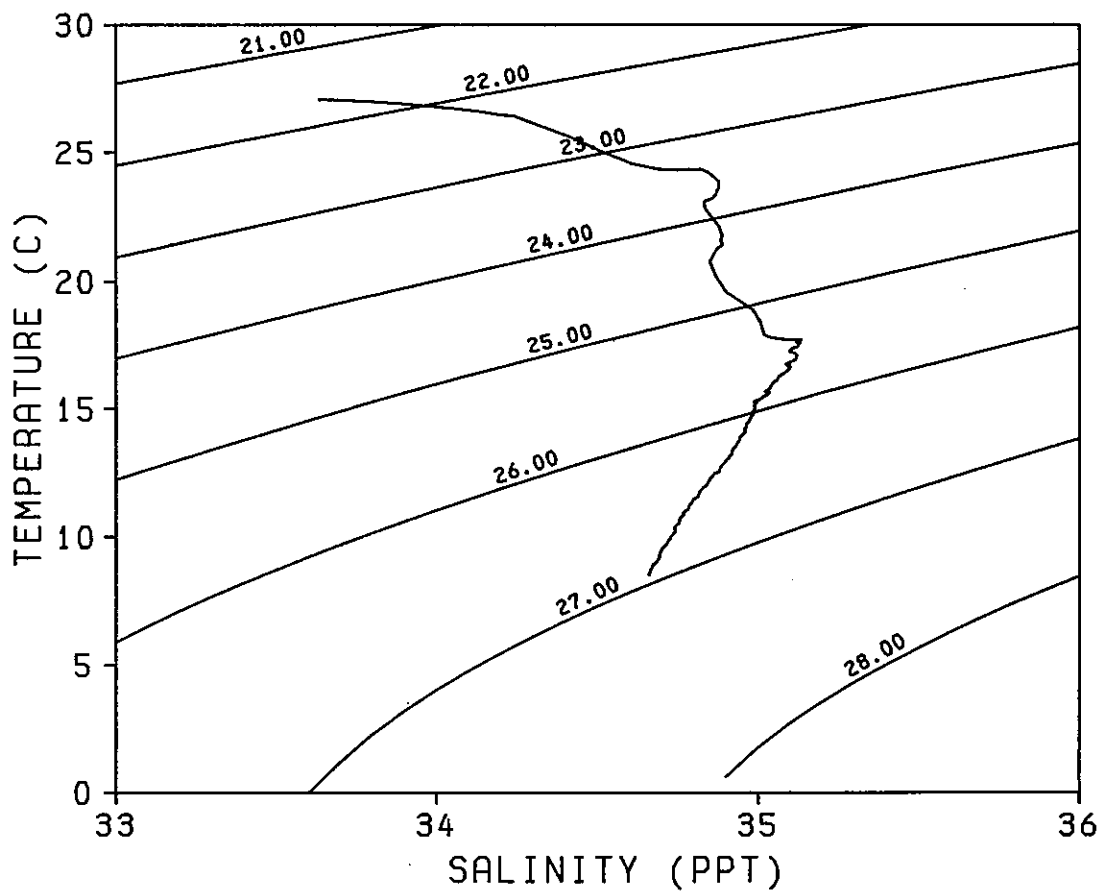


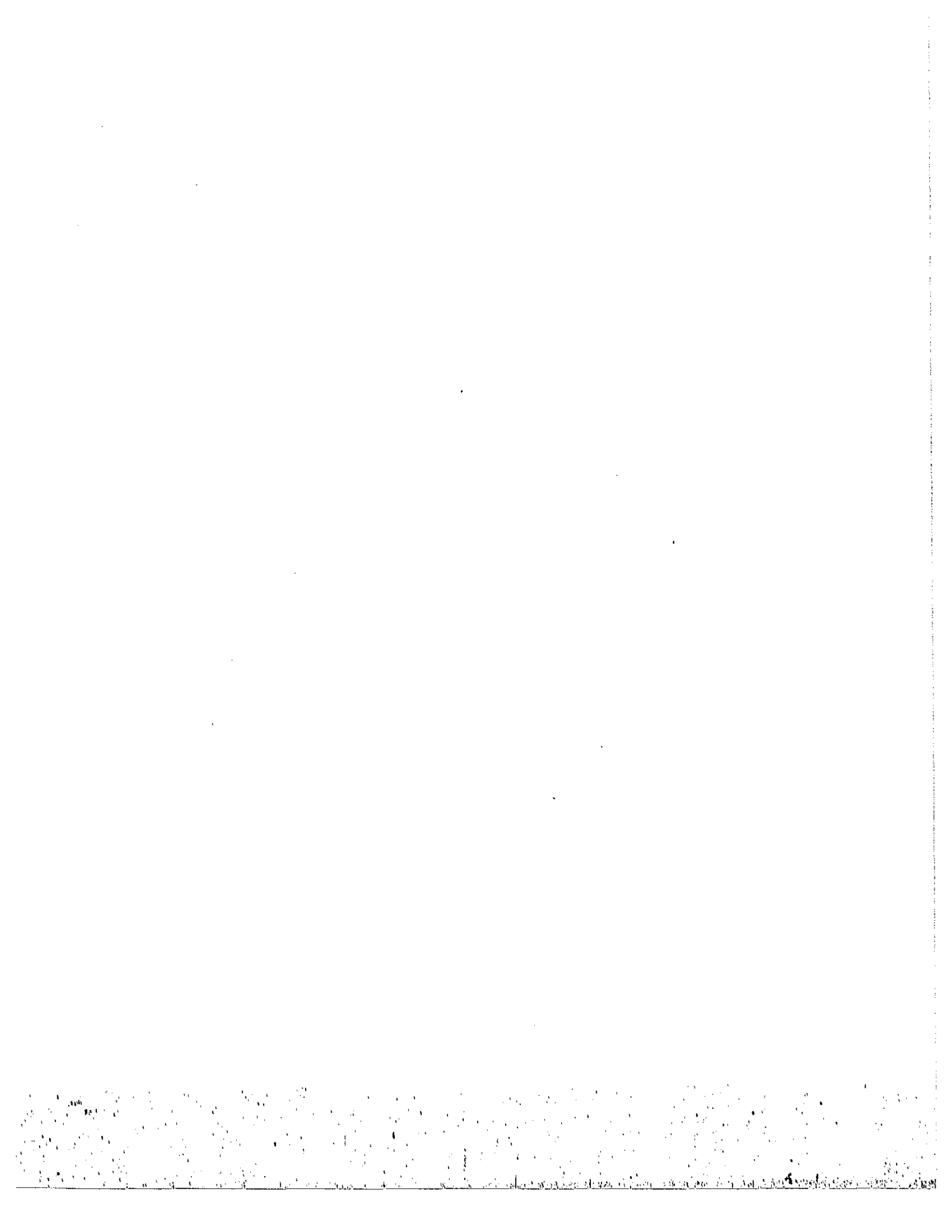


CAST EP4-82-RS-053 DATE 11 NOV 82 TIME 1056 GMT
 LAT 01 30.6N LONG 088 59.8W WEATHER 2 SEA STATE 3
 BAROMETER 08 WIND DIR 195 T SPD 16 KT VISIBILITY 7
 CLOUD 7 AMOUNT 6 DRY 24.9 WET 23.0 DEPTH 2300 M

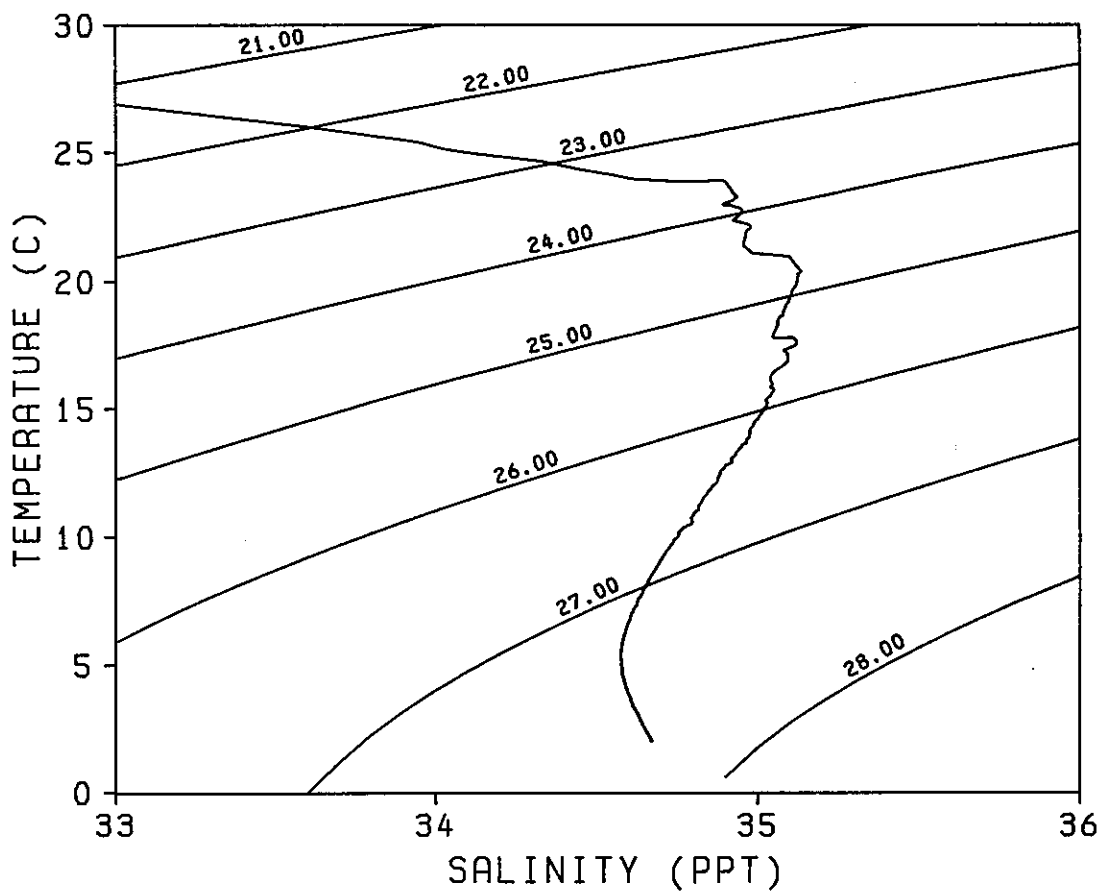
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-0 (DYN-M)
0.	26.666	33.931	4.36	22.038	0.000
5.	26.689	33.935	4.40	22.034	
10.	26.694	33.935	4.35	22.032	.058
20.	26.700	33.968	4.35	22.056	.116
30.	26.560	34.171	4.35	22.252	.173
40.	26.271	34.261	4.44	22.411	.228
50.	24.719	34.689	4.50	23.210	.278
60.	24.575	34.799	4.52	23.336	.325
70.	23.808	34.892	4.49	23.635	.369
80.	23.065	34.873	4.40	23.837	.411
90.	22.616	34.888	3.83	23.977	.451
100.	22.104	34.901	3.56	24.131	.491
110.	21.769	34.848	3.38	24.185	.529
120.	18.968	34.991	3.17	25.040	.563
130.	18.145	35.087	3.09	25.319	.591
140.	17.643	35.084	3.05	25.440	.617
150.	17.186	35.102	3.02	25.565	.643
160.	17.086	35.107	3.09	25.592	.667
170.	16.908	35.083	3.06	25.617	.692
180.	16.454	35.035	3.06	25.686	.716
190.	15.876	35.052	3.13	25.833	.739
200.	15.626	35.037	3.05	25.878	.761
250.	14.873	35.097	3.00	26.015	.868
300.	14.060	34.972	3.00	26.170	.967
350.	12.815	34.892	1.24	26.364	1.061
400.	10.350	34.752	.59	26.716	1.139
450.	9.485	34.712	.50	26.833	1.207
500.	8.807	34.677	.53	26.915	1.271
502.	8.806	34.678	.54	26.916	

CAST EP4-82-RS-054 DATE 11 NOV 82 TIME 1422 GMT
LAT 01 58.8N LONG 088 59.7W

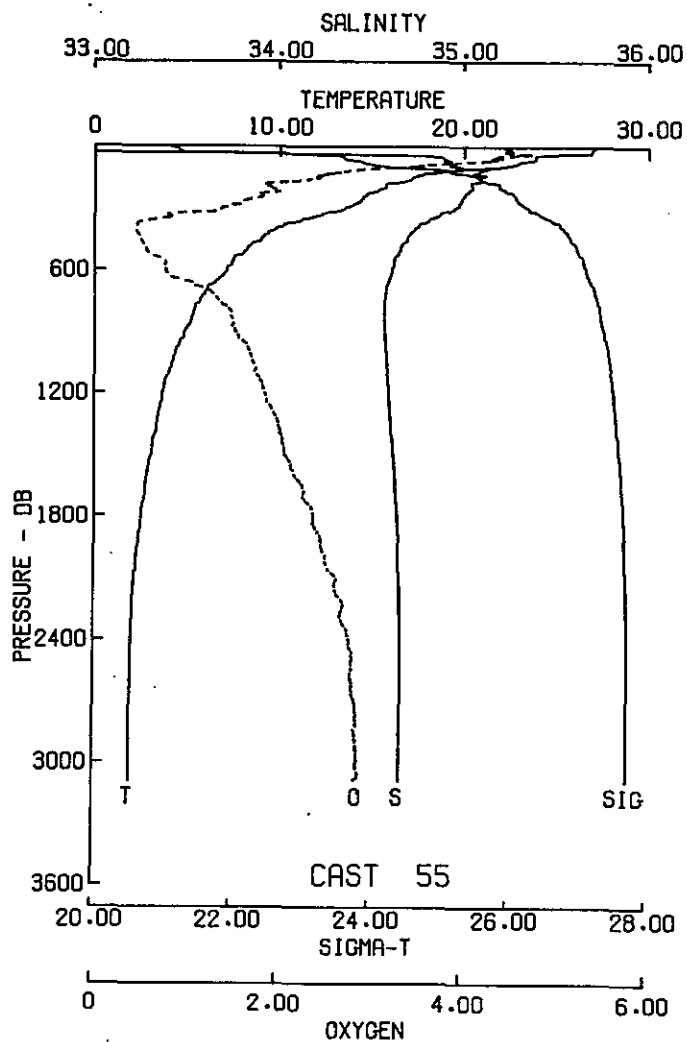




CAST EP4-82-RS-055 DATE 13 NOV 82 TIME 0054 GMT
LAT 00 00.2N LONG 085 04.2W



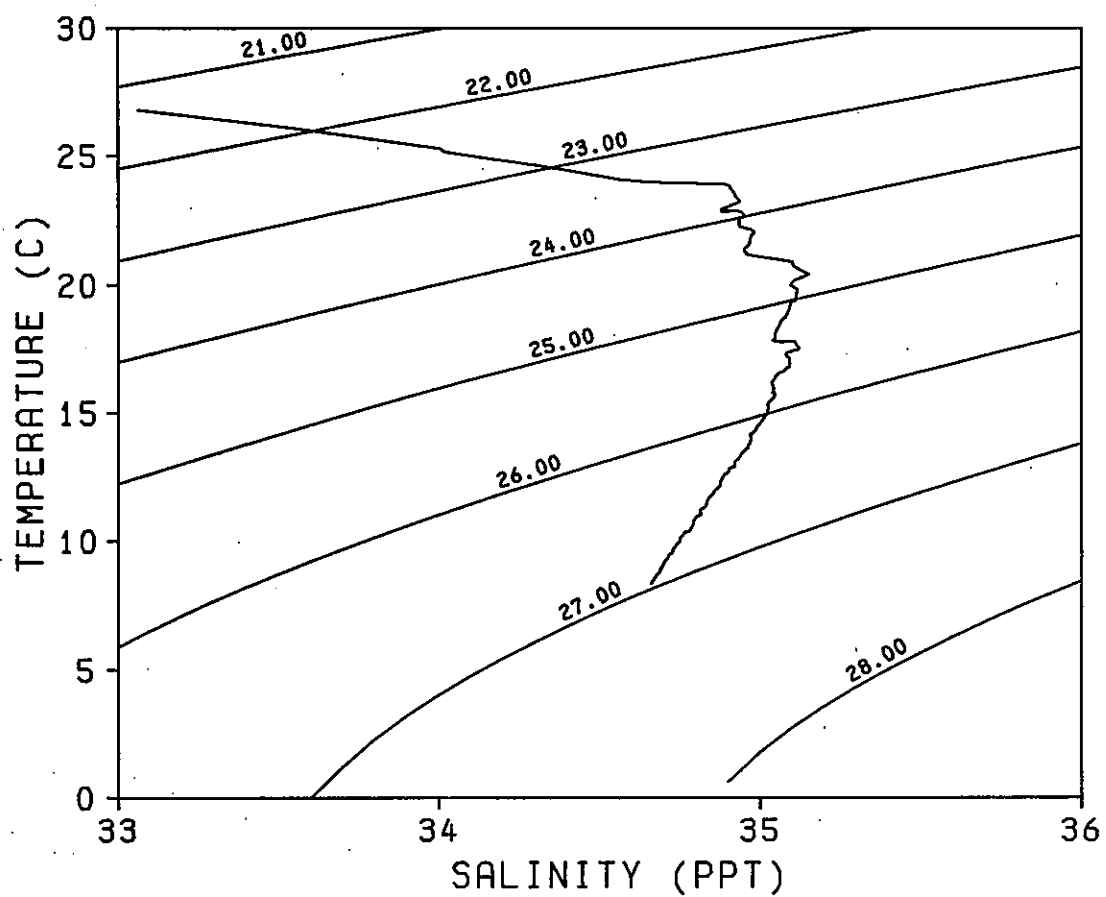
243



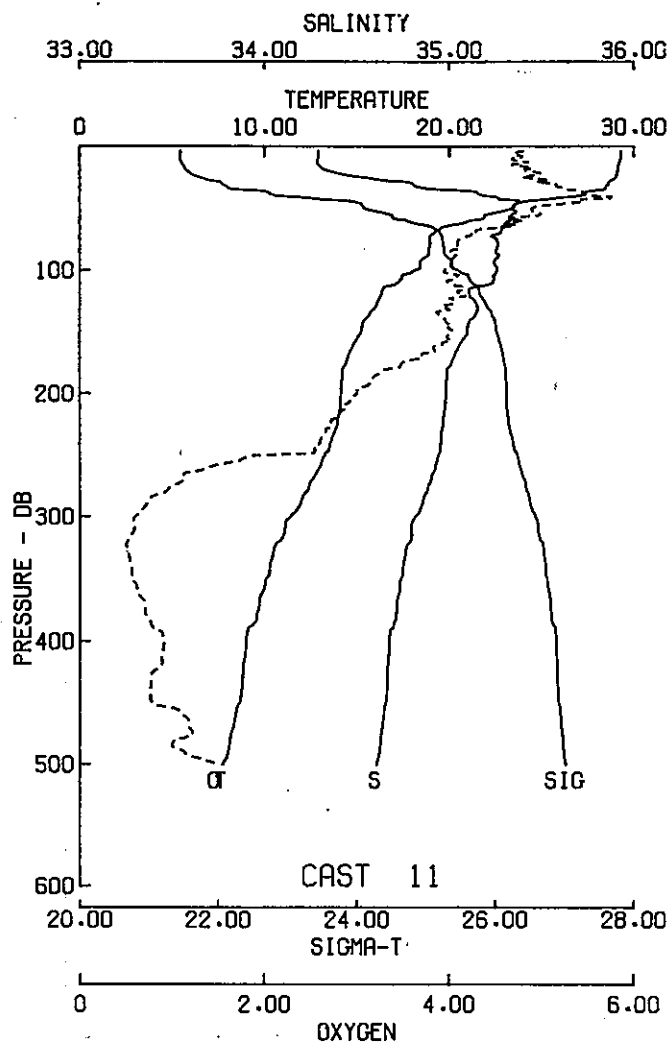
CAST EP4-82-RS-255 DATE 13 NOV 82 TIME 0054 GMT
 LAT 00 06.2N LONG 085 04.2W WEATHER 2 SEA STATE 2
 PARAMETER 75 WIND DIR 196 T SPD 07 KT VISIBILITY 6
 CLOUD 8 AMOUNT 9 DRY 25.9 WET 23.2 DEPTH 3289 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.184	32.890	4.68	21.692	0.600
5.	27.152	32.904	4.52	21.113	
10.	27.008	32.914	4.49	21.166	.047
20.	26.928	32.959	4.53	21.225	.133
30.	26.846	33.005	4.59	21.270	.192
40.	26.639	33.4.32	4.66	22.966	.257
50.	26.890	33.4.84	4.39	23.576	.302
60.	26.883	33.4.89	4.37	23.613	.345
70.	26.425	33.4.82	4.21	23.770	.380
80.	26.952	33.4.89	3.91	23.884	.420
90.	26.535	33.4.94	3.57	24.010	.464
100.	26.791	33.4.96	3.35	24.264	.507
110.	26.096	33.5.12	2.91	24.844	.541
120.	18.956	33.5.08	2.75	25.114	.571
130.	18.167	33.5.05	2.64	25.290	.599
140.	17.644	33.5.12	2.46	25.463	.626
150.	17.238	33.5.08	2.45	25.538	.651
160.	17.127	33.5.09	2.31	25.672	.677
170.	16.757	33.5.08	2.19	25.853	.700
180.	15.788	33.5.03	1.95	25.842	.723
190.	15.771	33.5.04	1.85	25.850	.746
200.	15.774	33.5.04	1.89	25.852	.768
250.	14.514	33.4.99	1.80	26.088	.872
300.	13.521	33.4.94	1.38	26.263	.952
350.	11.413	33.4.82	.73	26.579	1.055
400.	9.868	33.4.73	.47	26.789	1.126
450.	9.056	33.4.69	.52	26.890	1.191
500.	8.307	33.4.65	.57	26.980	1.252
550.	7.561	33.4.62	.73	27.066	1.308
600.	7.201	33.4.61	.78	27.108	1.362
650.	6.748	33.4.60	.94	27.159	1.414
700.	6.093	33.4.58	1.24	27.231	1.463
750.	5.738	33.4.57	1.37	27.271	1.505
800.	5.420	33.4.57	1.47	27.308	1.554
850.	5.246	33.4.57	1.50	27.330	1.597
900.	5.015	33.4.57	1.53	27.371	1.639
950.	4.656	33.4.57	1.63	27.402	1.676
1000.	4.408	33.4.58	1.68	27.433	1.717
1500.	3.135	33.4.62	2.07	27.594	2.054
2000.	2.347	33.4.65	2.52	27.650	2.331
2500.	2.054	33.4.66	2.81	27.723	2.580
3000.	1.734	33.4.66	2.87	27.725	2.831
3092.	1.040	33.4.66	2.89	27.724	

CAST EP4-82-RS-056 DATE 13 NOV 82 TIME 0320 GMT
LAT 00 02.2N LONG 085 03.6W



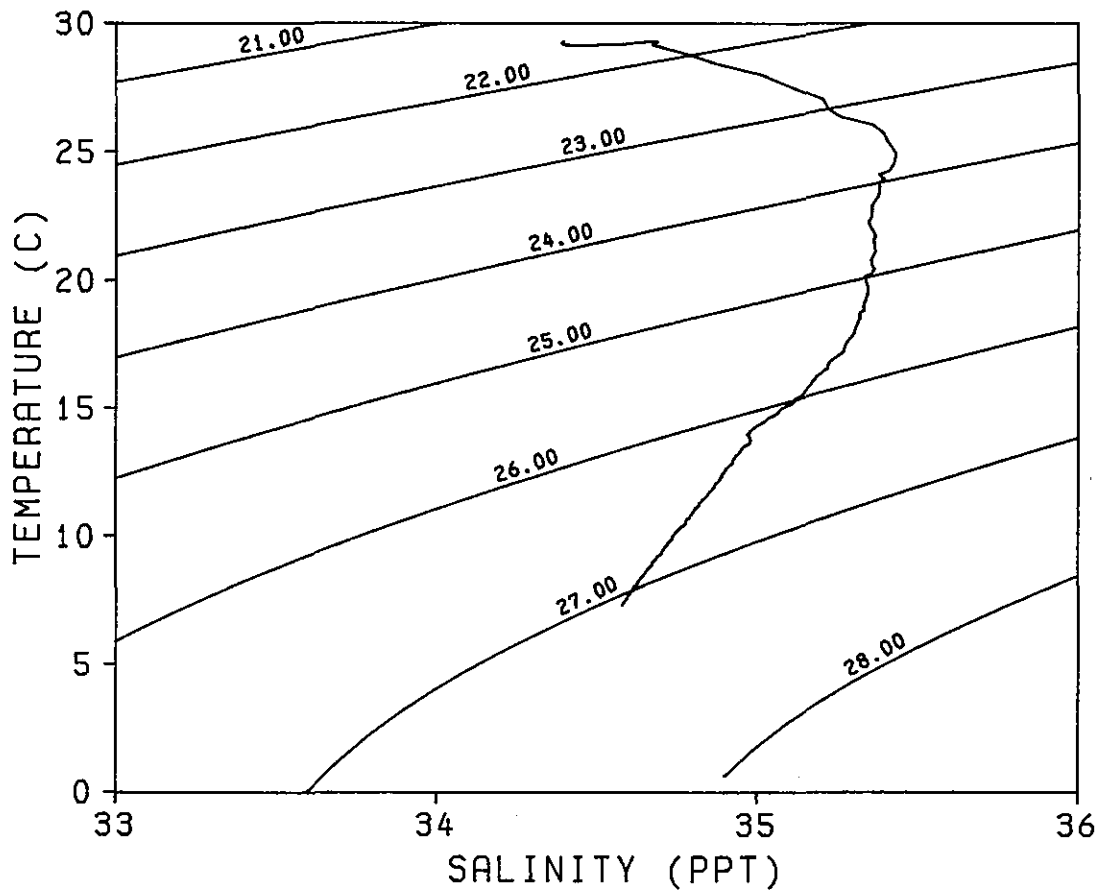
273



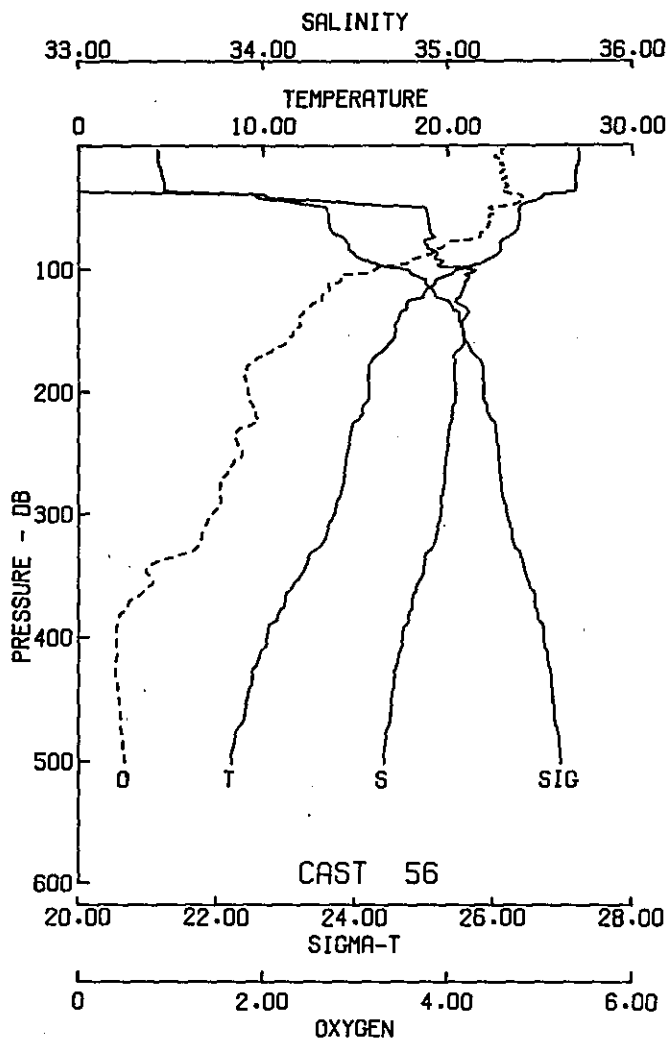
CAST FP2-83-RS-011 DATE 27 APR 83 TIME 1109 GMT
 LAT 7 39.08 LONG 109 13.94 WEATHER 1 SEA STATE 4
 BAROMETER DR WIND DIR 325 T SPD 12 KT VISIBILITY 7
 CLOUD 9 AMOUNT 3 DRW 27.9 WET 26.9 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.279	34.293	4.91	21.458	3.000
4.	29.282	34.292	4.80	21.455	
10.	29.277	34.289	4.69	21.455	.064
20.	29.168	34.349	4.83	21.557	.127
30.	28.609	34.797	5.11	22.069	.187
40.	27.119	35.181	5.51	22.834	.242
50.	23.387	35.350	4.90	24.105	.284
60.	21.212	35.337	4.40	24.710	.320
70.	19.205	35.277	4.31	25.197	.355
80.	18.447	35.263	4.09	25.253	.377
90.	18.675	35.260	4.05	25.319	.405
100.	18.151	35.260	3.95	25.451	.431
110.	17.225	35.236	4.01	25.658	.456
120.	16.311	35.113	4.11	25.879	.479
130.	16.010	35.153	3.92	25.880	.501
140.	15.410	35.115	3.95	25.986	.522
150.	15.232	35.097	4.03	26.012	.542
160.	14.824	35.058	3.93	26.072	.562
170.	14.523	35.128	3.71	26.114	.582
180.	14.224	34.989	3.37	26.148	.602
190.	14.176	34.985	3.16	26.155	.621
200.	14.144	34.982	3.00	26.169	.640
220.	13.249	34.942	2.15	26.315	.734
240.	11.432	34.820	.61	26.575	.818
260.	10.138	34.740	.56	26.746	.890
280.	8.685	34.674	.91	26.885	.956
300.	7.685	34.658	.78	26.920	1.018
320.	7.753	34.607	1.48	27.021	1.077
340.	7.735	34.607	1.47	27.024	

CAST EP2-83-RS-012 DATE 27 APR 83 TIME 1551 GMT
LAT 0 59.5S LONG 109 14.9W

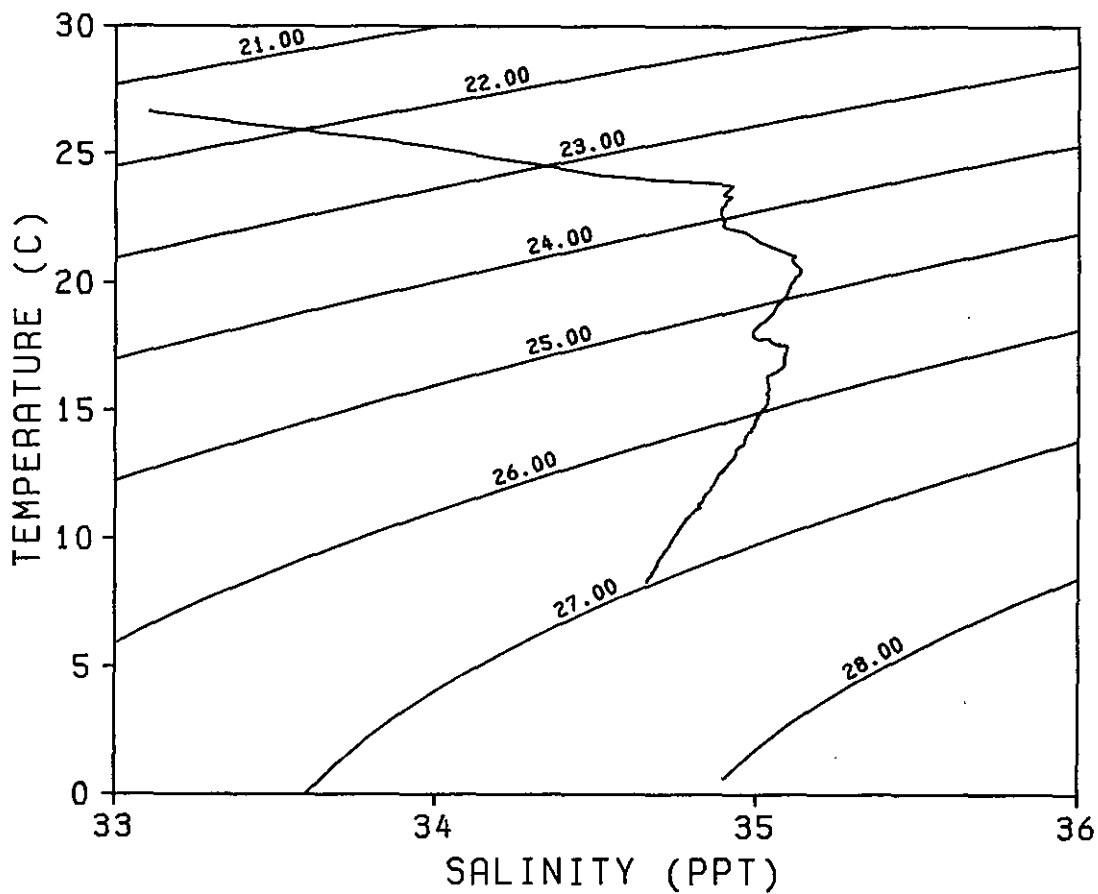


CAST EP4-82-RS-056 DATE 13 NOV 82 TIME 0320 GMT
 LAT 00 32.3N LONG 88 03.5W WEATHER 5 SEA STATE 3
 BAROMETER 29 WIND DIR 175 T SPD 08 KT VISIBILITY 6
 CLOUD 8 AMOUNT 9 DRY 26.0 WFT 23.6 DEPTH M

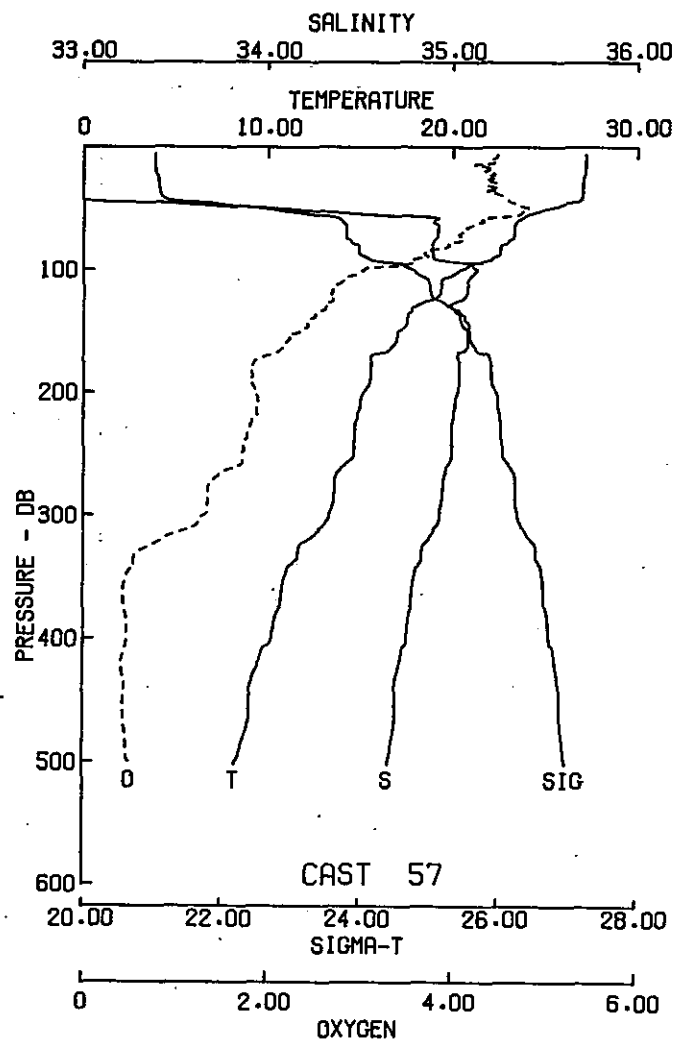


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.118	32.933	4.61	21.145	0.000
3.	27.110	32.933	4.61	21.148	
10.	27.103	32.934	4.59	21.151	.066
20.	26.969	32.941	4.59	21.199	.133
30.	26.935	32.981	4.61	21.239	.199
40.	26.283	34.085	4.77	22.523	.263
50.	23.913	34.867	4.48	23.585	.312
60.	23.876	34.896	4.47	23.618	.358
70.	23.701	34.909	4.36	23.679	.398
80.	22.858	34.881	3.98	23.503	.440
90.	22.536	34.933	3.71	24.034	.480
100.	20.753	35.104	3.22	24.657	.516
110.	19.347	35.098	2.84	25.024	.548
120.	18.746	35.078	2.67	25.162	.577
130.	17.792	35.083	2.59	25.404	.604
140.	17.387	35.097	2.56	25.512	.630
150.	17.179	35.086	2.56	25.554	.655
160.	16.903	35.094	2.25	25.626	.680
170.	16.227	35.039	2.04	25.742	.703
180.	15.755	35.039	1.83	25.850	.726
190.	15.749	35.043	1.82	25.855	.748
200.	15.747	35.046	1.84	25.858	.770
250.	14.572	34.998	1.77	26.081	.877
300.	13.907	34.971	1.46	26.201	.974
350.	12.098	34.866	.77	26.484	1.063
400.	10.275	34.760	.42	26.736	1.138
450.	9.198	34.702	.45	26.872	1.208
500.	8.326	34.661	.51	26.978	1.266
502.	8.325	34.659	.52	26.977	

CAST EP4-82-RS-057 DATE 13 NOV 82 TIME 0656 GMT
LAT 00 29.7N LONG 085 00.6W

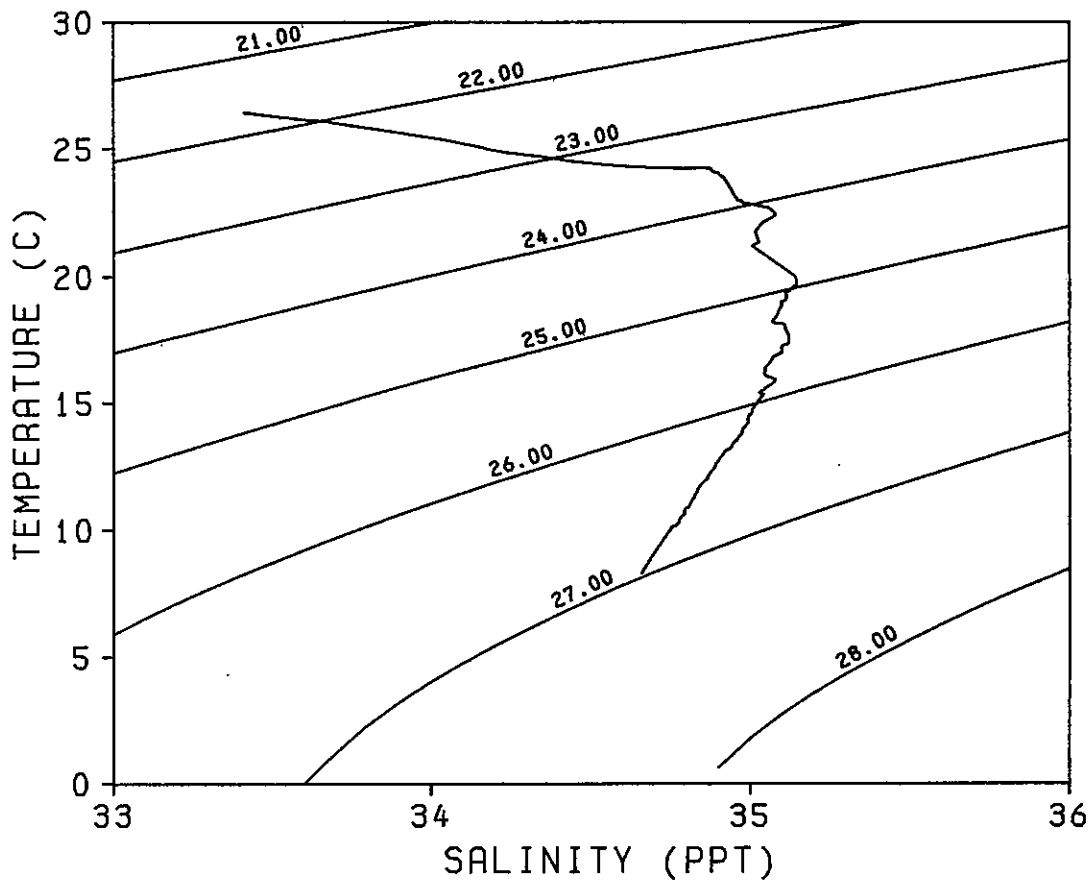


CAST EPA-R2-RS-057 DATE 13 NOV 82 TIME 0656 GMT
 LAT 00 29.7N LONG 085 00.6W WEATHER 1 SEA STATE 2
 BAROMETER 09 WIND DIR 155 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 25.5 WET 23.5 DEPTH M

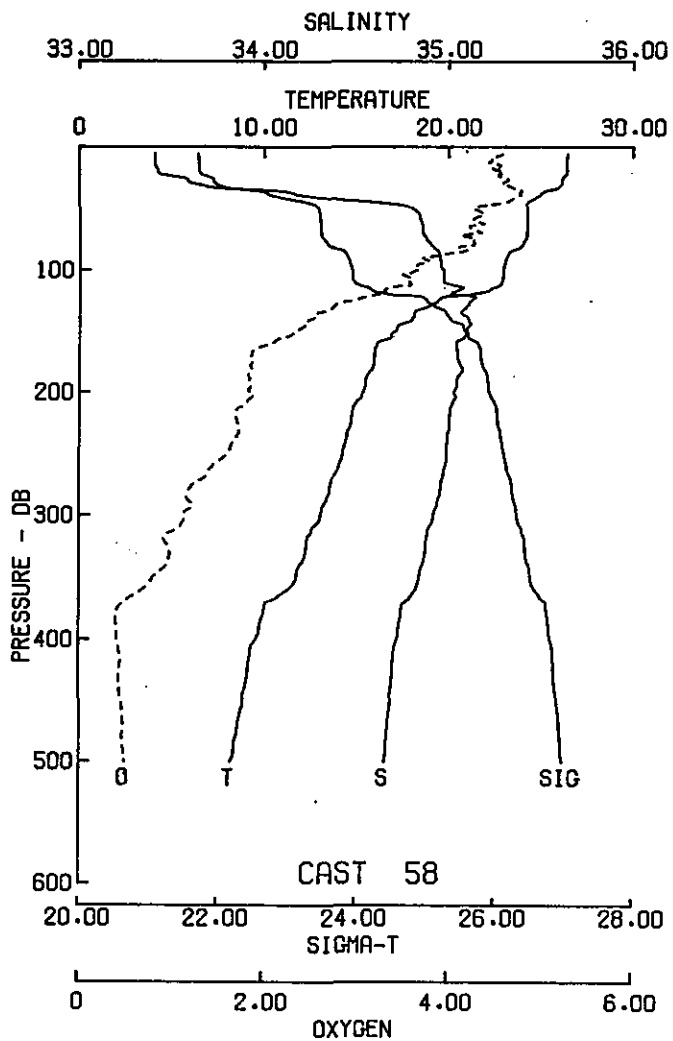


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-C (DYN-M)
0.	27.209	32.829	4.59	21.038	0.000
6.	27.198	32.823	4.48	21.037	
10.	27.201	32.822	4.43	21.036	.068
20.	27.178	32.837	4.34	21.054	.135
30.	27.073	32.851	4.47	21.098	.202
40.	27.032	32.883	4.54	21.135	.269
50.	25.280	33.972	4.81	22.500	.333
60.	24.483	34.900	4.34	23.736	.378
70.	23.327	34.921	4.10	23.797	.420
80.	22.646	34.888	3.97	23.968	.461
90.	22.229	34.894	3.73	24.091	.500
100.	20.500	35.138	3.06	24.751	.535
110.	19.408	35.084	2.80	24.998	.567
120.	19.297	35.076	2.68	25.026	.597
130.	18.021	34.987	2.64	25.074	.625
140.	17.552	35.066	2.47	25.449	.652
150.	17.058	35.084	2.39	25.582	.677
160.	16.901	35.087	2.20	25.621	.700
170.	15.659	35.031	2.01	25.867	.725
180.	15.573	35.037	1.83	25.890	.747
190.	15.539	35.035	1.80	25.896	.765
200.	15.194	35.027	1.89	25.967	.791
250.	14.661	34.996	1.70	26.060	.863
300.	13.363	34.935	1.52	26.285	.938
350.	10.954	34.796	.47	26.643	1.060
400.	10.229	34.754	.48	26.740	1.142
450.	9.022	34.692	.43	26.893	1.207
500.	8.298	34.658	.52	26.980	1.268
502.	8.277	34.658	.52	26.983	

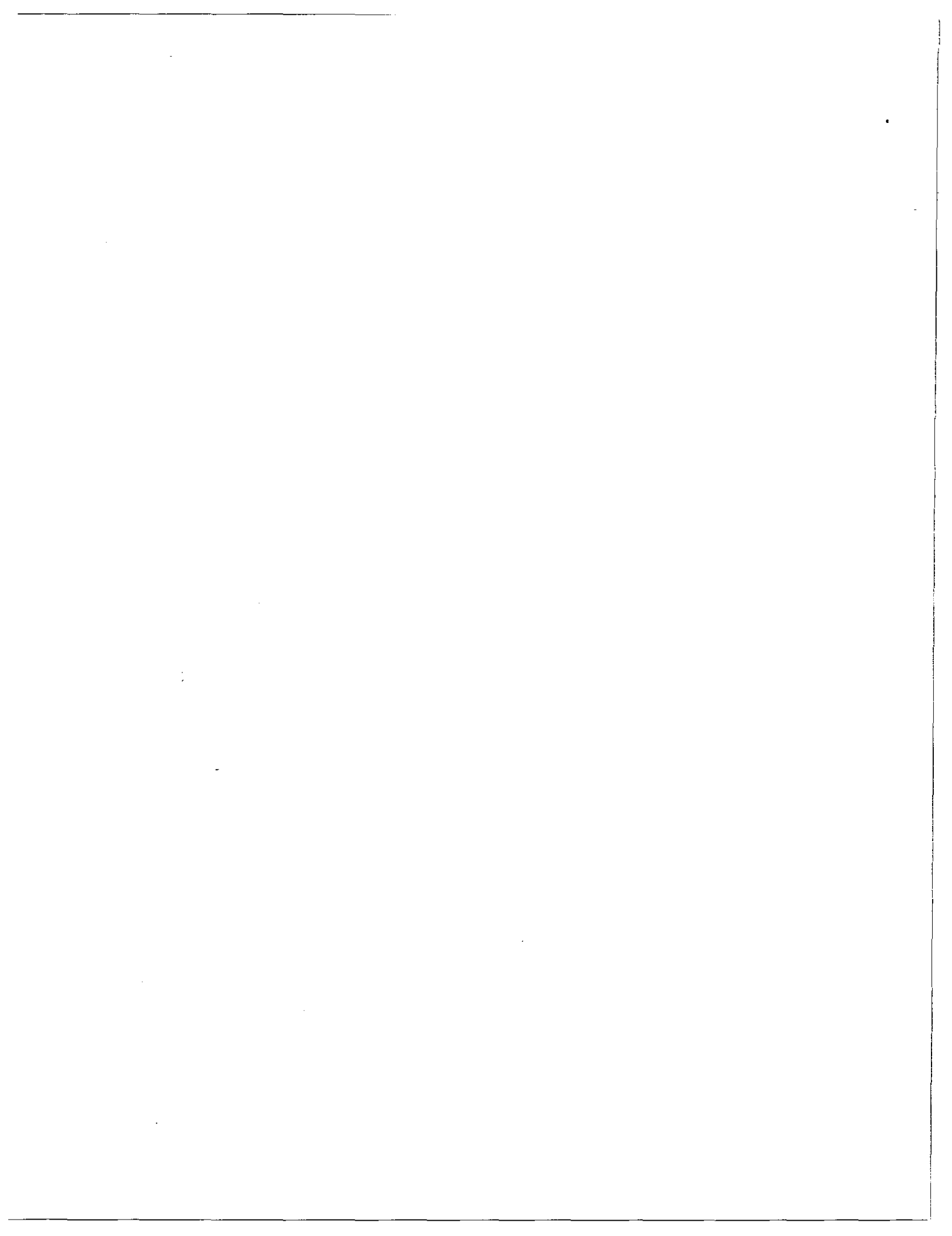
CAST EP4-82-RS-058 DATE 13 NOV 82 TIME 1240 GMT
LAT 0 29.9S LONG 085 00.0W



CAST EP4-22-RS-058 DATE 13 NOV 82 TIME 1240 GMT
 LAT 0 29.9S LONG 005 03.0W W/FATHER 5 SEA STATE 1
 BAROMETER OP WIND DIR 125 T SPD 10 KT VISIBILITY 6
 CLOUD X AMOUNT 9 DRY 23.8 WET 23.0 DEPTH 2 50 M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-CM)
0.	26.464	33.414	4.60	21.714	0.800
6.	26.440	33.411	4.58	21.718	
10.	26.406	33.410	4.48	21.729	.41
20.	26.407	33.429	4.56	21.742	.122
30.	26.125	33.611	4.58	21.967	.162
40.	24.944	34.182	4.79	22.760	.237
50.	24.207	34.795	4.27	23.444	.284
60.	24.228	34.848	4.26	23.478	.329
70.	24.212	34.860	4.35	23.491	.373
80.	23.973	34.900	4.27	23.592	.417
90.	23.121	34.953	3.72	23.881	.459
100.	22.960	34.971	3.68	23.941	.499
110.	22.868	34.974	3.57	23.970	.539
120.	21.323	35.028	3.33	24.444	.577
130.	18.968	35.097	2.77	25.120	.609
140.	18.054	35.107	2.54	25.357	.636
150.	17.199	35.097	2.34	25.558	.661
160.	16.182	35.045	2.11	25.758	.689
170.	15.997	35.050	1.88	25.804	.709
180.	15.931	35.069	1.86	25.834	.730
190.	15.539	35.046	1.86	25.904	.752
200.	15.411	35.032	1.85	25.922	.774
250.	14.286	34.991	1.61	26.137	.875
300.	13.103	34.921	1.14	26.325	.949
350.	11.860	34.846	.81	26.526	1.053
400.	9.654	34.727	.42	26.816	1.124
450.	8.897	34.688	.46	26.910	1.188
500.	8.249	34.657	.50	26.987	1.244
591.	8.229	34.657	.50	26.990	

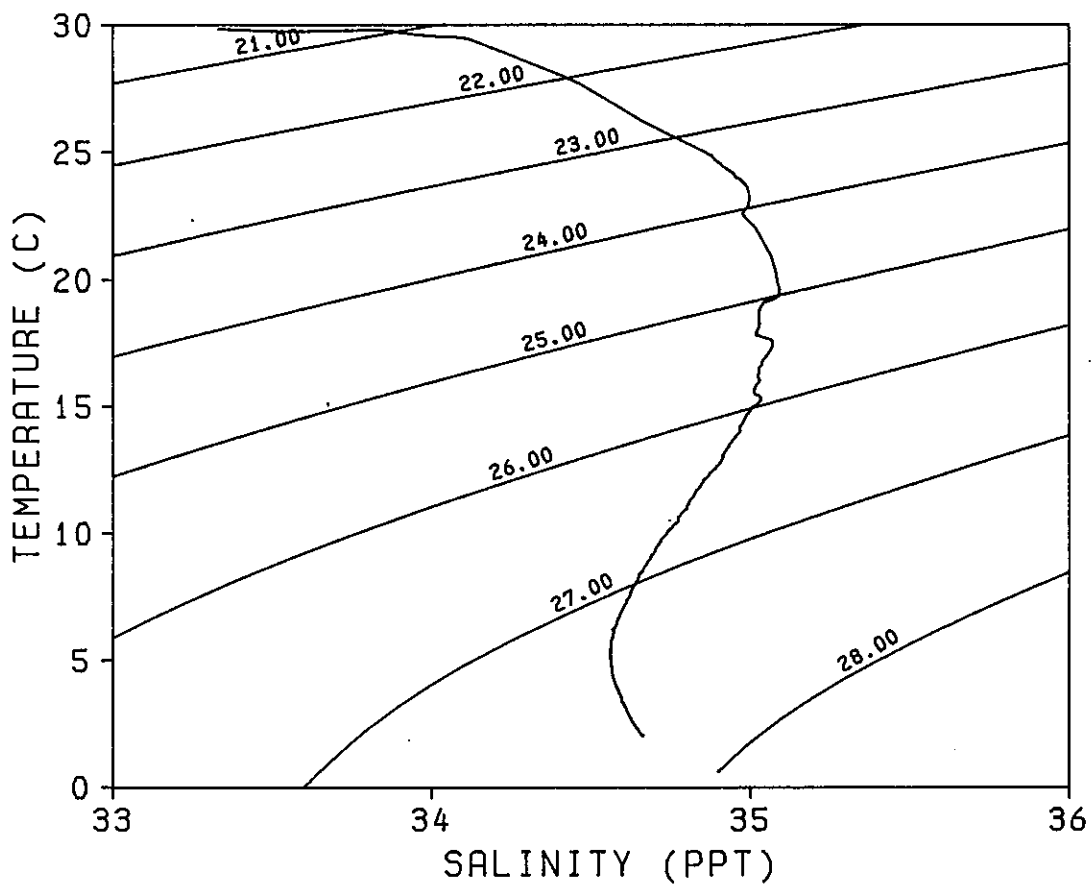


EP2-83-RS

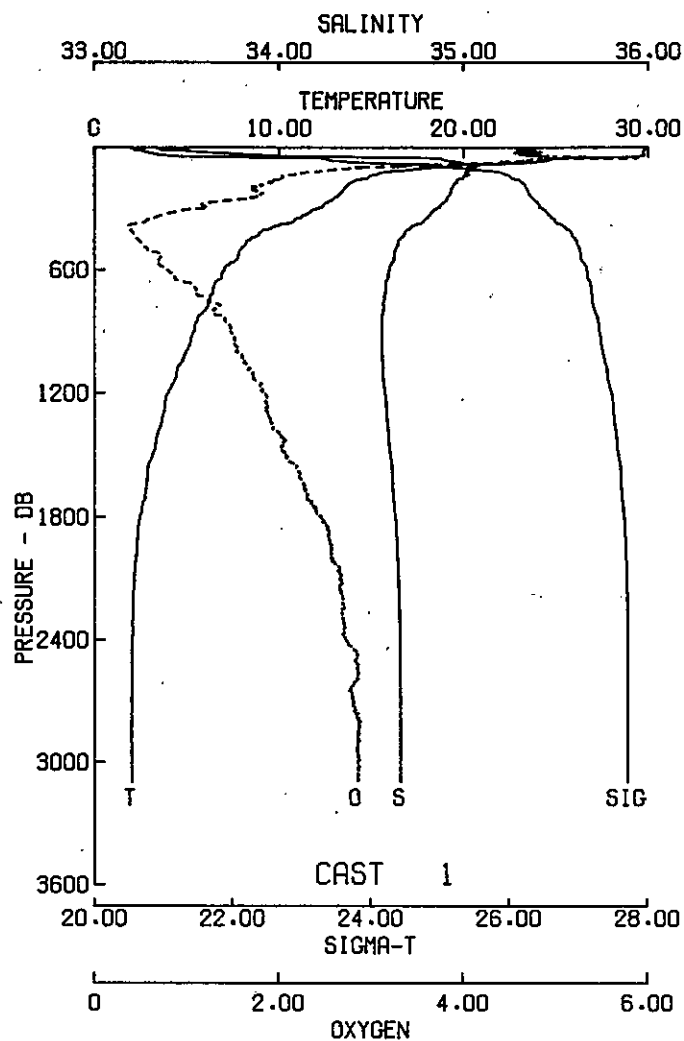
13 April - 10 May 1983

NBIS CTD/O₂ Data Summary

CAST EP2-83-RS-001 DATE 16 APR 83 TIME 2002 GMT
LAT 0 01.9S LONG 085 03.9W

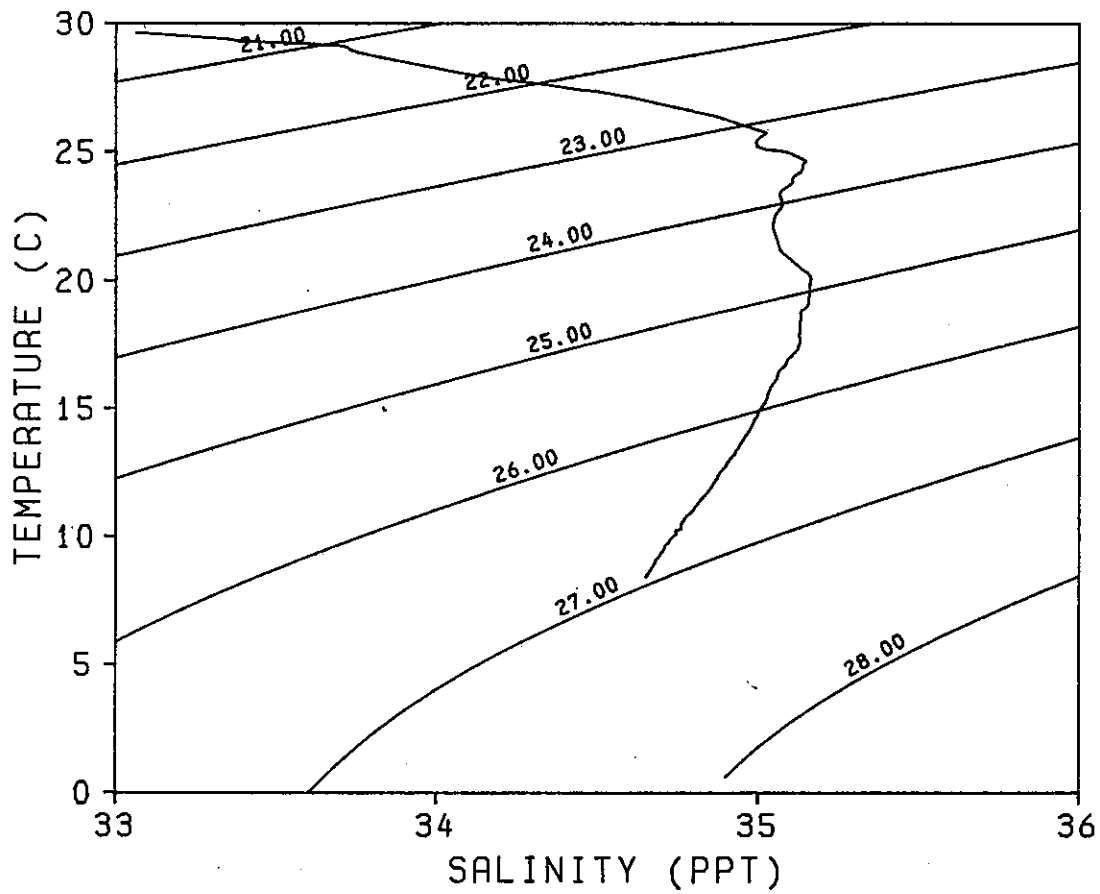


CAST FP2-83-RS-001 DATE 16 APR 83 TIME 2002 GMT
 LAT 0 01.9S LONG 85 03.9W WEATHER 6 SEA STAT 4
 BAROMETER 10 WIND DIR 010 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 6 DRY 28.5 WET 25.0 DEPTH 3309 M

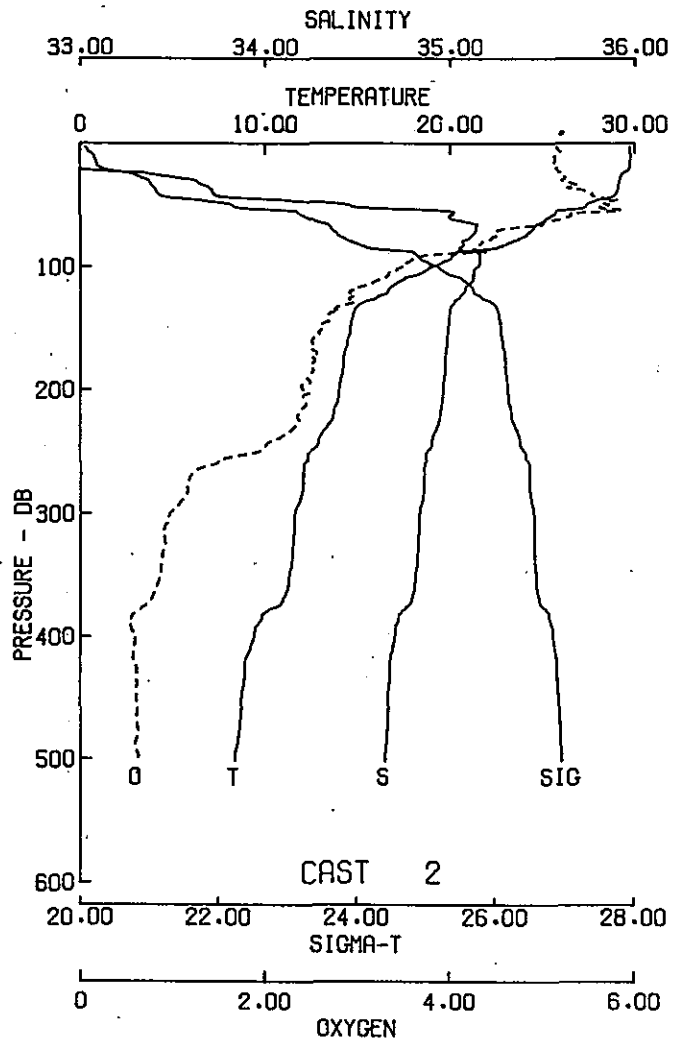


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-CM)
0.	29.834	33.323	5.07	20.544	0.000
3.	29.829	33.331	5.01	20.552	
10.	29.820	33.352	4.74	20.571	.072
20.	29.733	33.502	4.72	20.713	.144
30.	29.747	33.642	4.55	20.813	.214
40.	29.786	33.845	4.74	20.951	.283
50.	29.058	34.394	5.41	21.249	.349
60.	24.763	34.885	4.85	23.345	.400
70.	24.142	34.948	4.71	23.578	.445
80.	22.556	34.973	4.40	23.805	.487
90.	19.494	35.089	3.43	23.959	.521
100.	18.523	35.025	2.83	23.983	.550
110.	17.304	35.065	2.62	23.938	.577
120.	16.015	35.028	2.47	23.822	.601
130.	15.431	35.017	2.24	23.590	.623
140.	14.974	35.008	2.08	23.301	.644
150.	14.867	35.000	2.03	22.912	.664
160.	14.212	34.965	2.02	22.513	.684
170.	14.098	34.968	1.88	22.177	.704
180.	13.792	34.953	1.86	21.821	.722
190.	13.692	34.946	1.80	21.522	.741
200.	13.584	34.940	1.76	21.244	.760
220.	13.033	34.912	1.69	20.533	.850
240.	12.174	34.862	1.24	20.467	.923
260.	11.213	34.810	.64	20.607	1.014
280.	9.594	34.714	.41	20.817	1.085
300.	8.504	34.660	.46	20.950	1.148
320.	7.997	34.637	.58	21.009	1.207
340.	7.771	34.627	.71	21.035	1.263
360.	7.684	34.601	.78	21.113	1.319
380.	7.865	34.593	.87	21.137	1.370
400.	6.450	34.579	1.11	21.182	1.420
420.	5.271	34.573	1.24	21.201	1.466
440.	4.040	34.569	1.20	21.228	1.518
460.	3.605	34.562	1.42	21.277	1.565
480.	3.444	34.560	1.46	21.295	1.610
500.	3.239	34.561	1.53	21.320	1.653
520.	3.999	34.563	1.54	21.350	1.697
540.	3.176	34.606	2.00	21.576	2.039
560.	2.288	34.646	2.57	21.687	2.319
580.	2.055	34.659	2.84	21.716	2.590
600.	2.239	34.665	2.87	21.722	2.843
620.	2.049	34.665	2.85	21.721	

CAST EP2-83-RS-002 DATE 17 APR 83 TIME 1850 GMT
LAT 0 00.1S LONG 089 00.0W

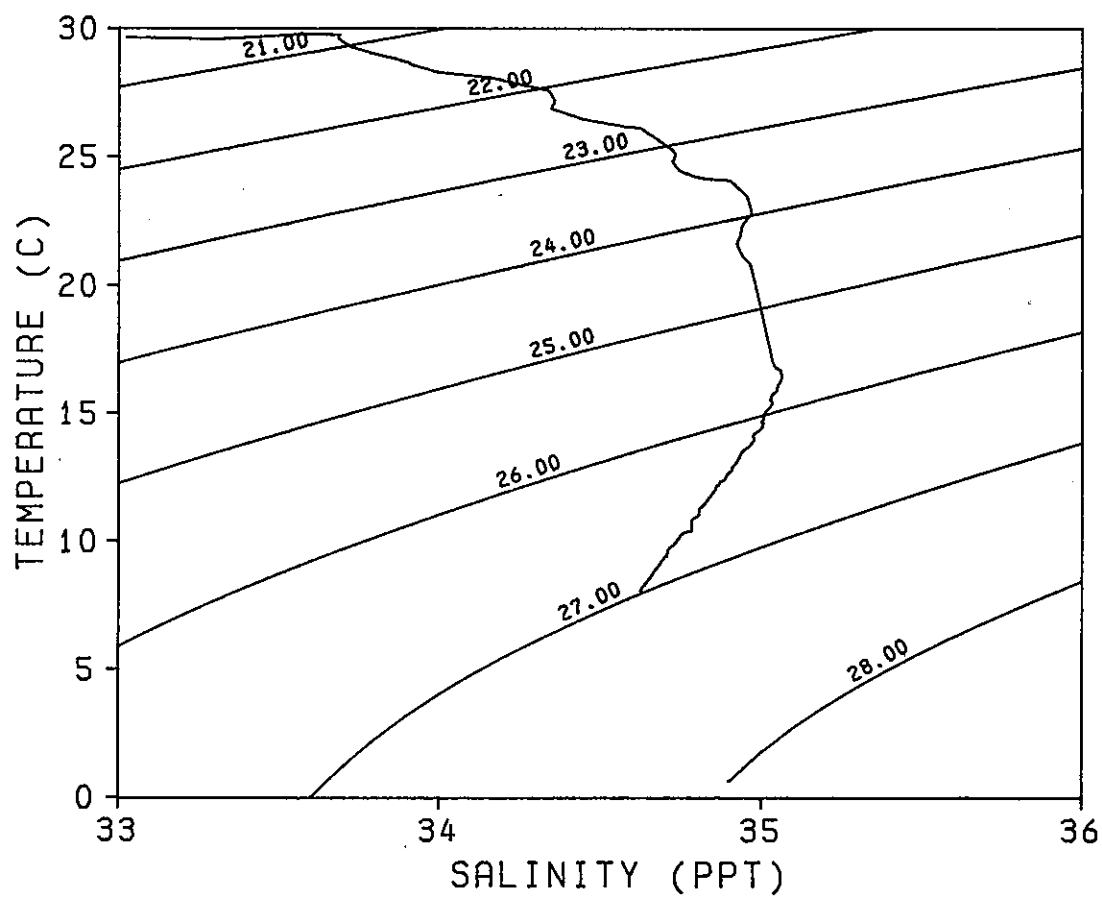


CAST FP2-83-RS-002 DATE 17 APR 83 TIME 1850 GMT
 LAT 3 03.1S LONG 089 00.0W WEATHER 5 SEA STATE 3
 BAROMETER 11 WIND DIR 145 T SPD 38 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 28.8 WET 25.5 DEPTH M

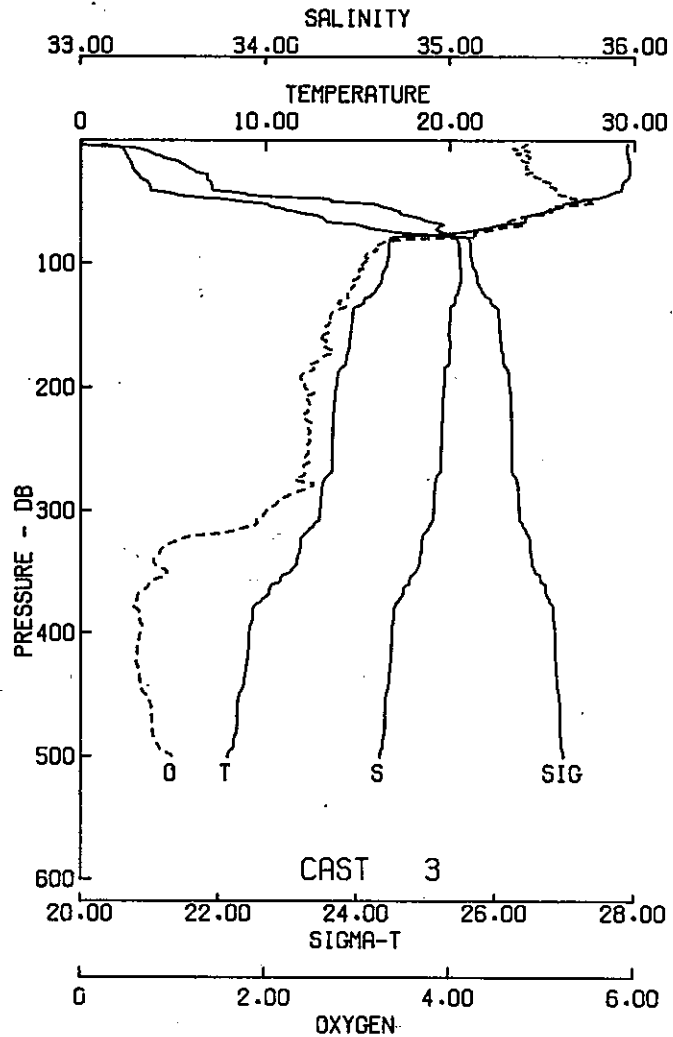


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	28.719	35.609	5.12	20.648	0.900
3.	28.730	35.659	5.16	20.683	
10.	28.769	35.825	5.13	20.194	.376
20.	28.699	35.948	5.15	20.309	.152
30.	28.6173	36.020	5.31	20.999	.223
40.	28.031	36.720	5.52	21.112	.297
50.	27.383	36.455	5.73	22.204	.353
60.	25.344	36.990	5.57	23.247	.403
70.	24.440	36.136	4.54	23.631	.448
80.	23.318	36.065	4.33	23.989	.490
90.	20.250	36.156	3.88	24.832	.526
100.	19.057	36.155	3.48	25.142	.557
110.	17.520	36.123	3.27	25.505	.584
120.	16.647	36.081	2.92	25.676	.608
130.	15.247	36.021	2.94	25.951	.631
140.	14.748	36.098	2.69	26.042	.651
150.	14.611	36.092	2.51	26.068	.671
160.	14.466	36.084	2.51	26.093	.691
170.	14.285	36.078	2.56	26.127	.711
180.	14.235	36.077	2.52	26.137	.730
190.	14.130	36.073	2.46	26.156	.750
200.	14.023	36.066	2.41	26.173	.769
250.	12.512	36.882	1.94	26.416	.860
300.	11.631	36.838	1.97	26.551	.941
350.	11.344	36.817	1.97	26.588	1.019
400.	9.446	36.707	1.60	26.836	1.099
450.	8.764	36.671	1.61	26.917	1.153
500.	8.394	36.654	1.62	26.962	1.214
502.	8.395	36.653	1.61	26.961	

CAST EP2-83-RS-003 DATE 18 APR 83 TIME 0942 GMT
LAT 00 00.0N LONG 091 40.0W

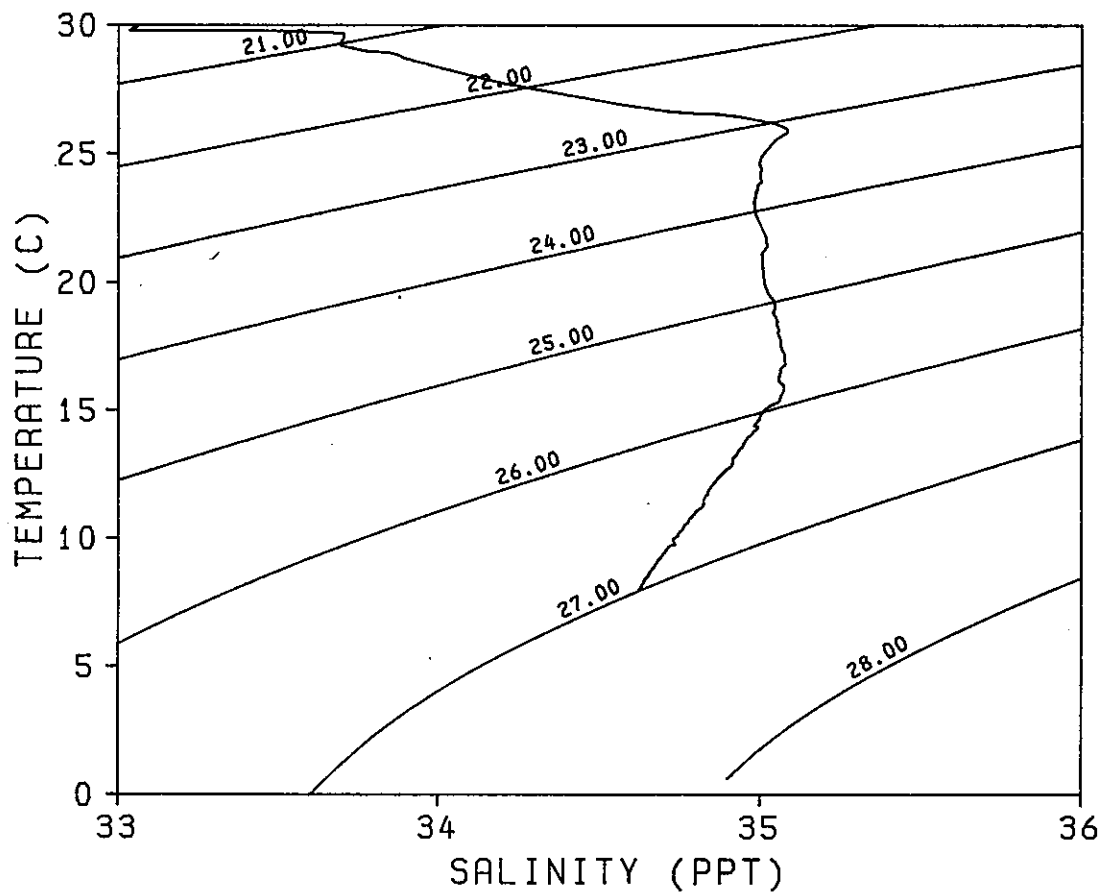


CAST EP2-83-RS-003 DATE 18 APR 83 TIME 0942 GMT
 LAT 00.00N LONG 091.40.00W WEATHER 1 SEA STATE 0
 BAROMETER 28 WIND DIP 000 T SPD 00 KT VISIBILITY 0
 CLOUD 3 AMOUNT 3 DRY 48.0 WET 26.0 DEPTH 0

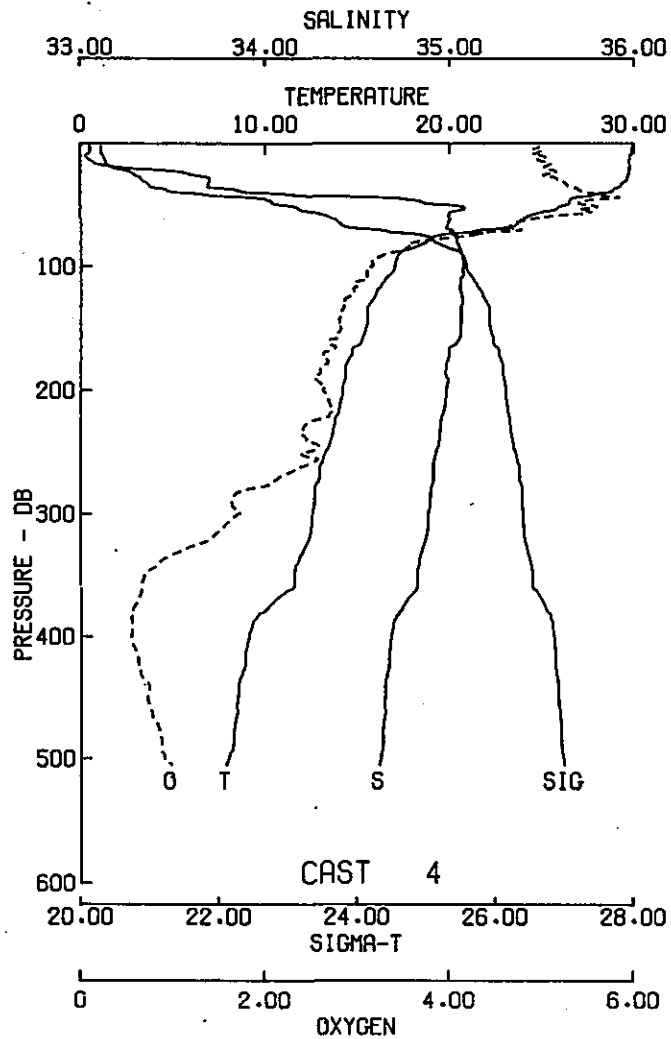


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.576	32.611	4.97	20.064	0.000
3.	29.623	32.923	4.84	20.316	
10.	29.633	33.780	4.81	20.655	.077
20.	29.760	33.559	4.88	20.746	.144
30.	29.892	33.684	4.92	20.863	.214
40.	29.904	33.715	5.16	21.017	.282
50.	29.868	34.348	5.55	22.288	.344
60.	29.806	34.725	5.94	23.211	.394
70.	29.486	34.948	4.74	24.059	.439
80.	29.785	34.841	3.82	25.611	.472
90.	29.706	34.955	3.21	25.642	.499
100.	29.628	34.889	3.07	25.664	.522
110.	29.558	34.853	3.00	25.727	.544
120.	29.478	34.849	2.94	25.779	.566
130.	29.389	34.833	2.84	25.927	.588
140.	29.372	34.805	2.74	26.043	.609
150.	29.707	34.802	2.69	26.055	.629
160.	29.622	34.999	2.58	26.070	.649
170.	29.538	34.802	2.73	26.091	.669
180.	29.499	34.999	2.56	26.119	.689
190.	29.956	34.976	2.40	26.196	.707
200.	29.869	34.970	2.44	26.209	.727
250.	29.661	34.957	2.48	26.242	.810
300.	29.420	34.916	2.02	26.347	.910
350.	29.168	34.891	.94	26.577	.999
400.	29.322	34.850	.65	26.868	1.061
450.	29.016	34.850	.71	26.930	1.123
500.	29.016	34.626	1.00	26.998	1.183
501.	29.011	34.626	1.00	26.999	

CAST EP2-83-RS-004 DATE 18 APR 83 TIME 1329 GMT
LAT 0 00.0S LONG 092 10.0W

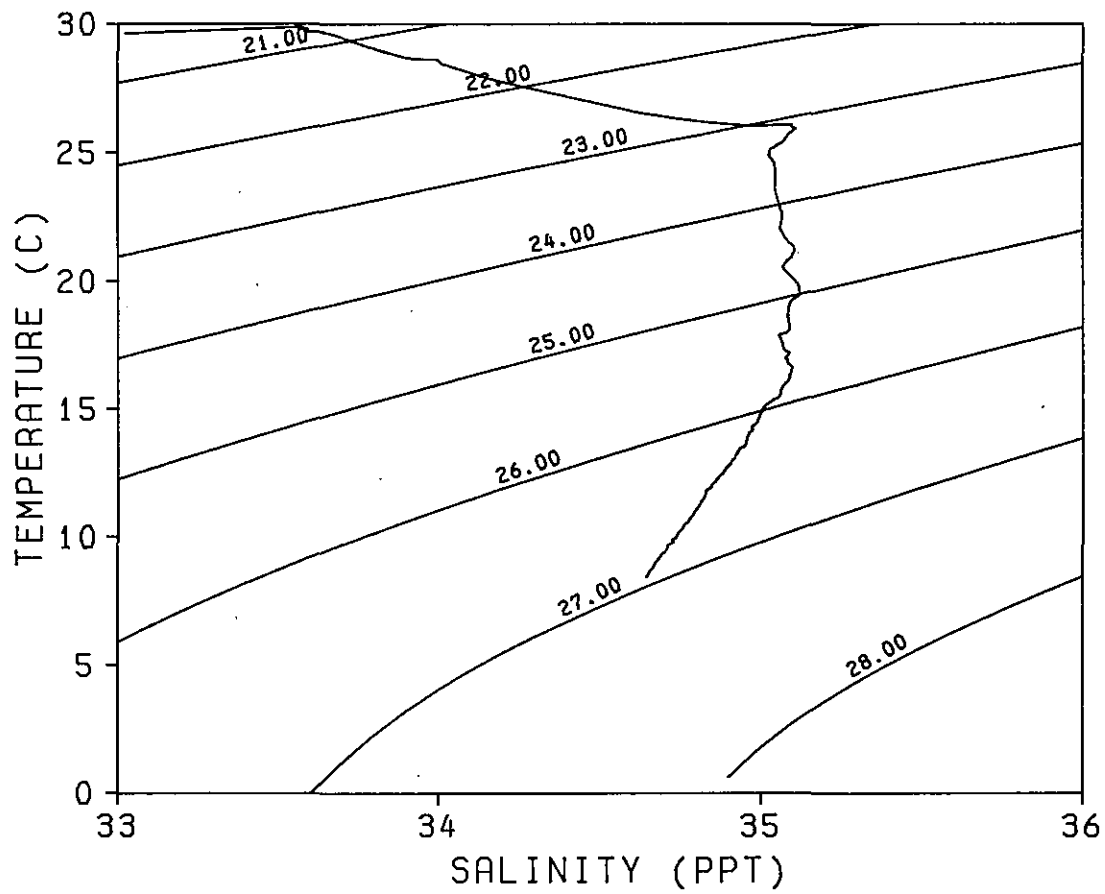


CAST EP2-R3-RS-034 DATE 18 APR 83 TIME 1329 GMT
 LAT 0 00.8S LONG 092 10.0W WEATHER 1 SEA STATE 0
 BAROMETER 09 WIND DIR 090 T SPD 00 KT VISIBILITY 0
 CLOUD 6 AMOUNT 4 DRY 27.0 WET 25.0 DEPTH M

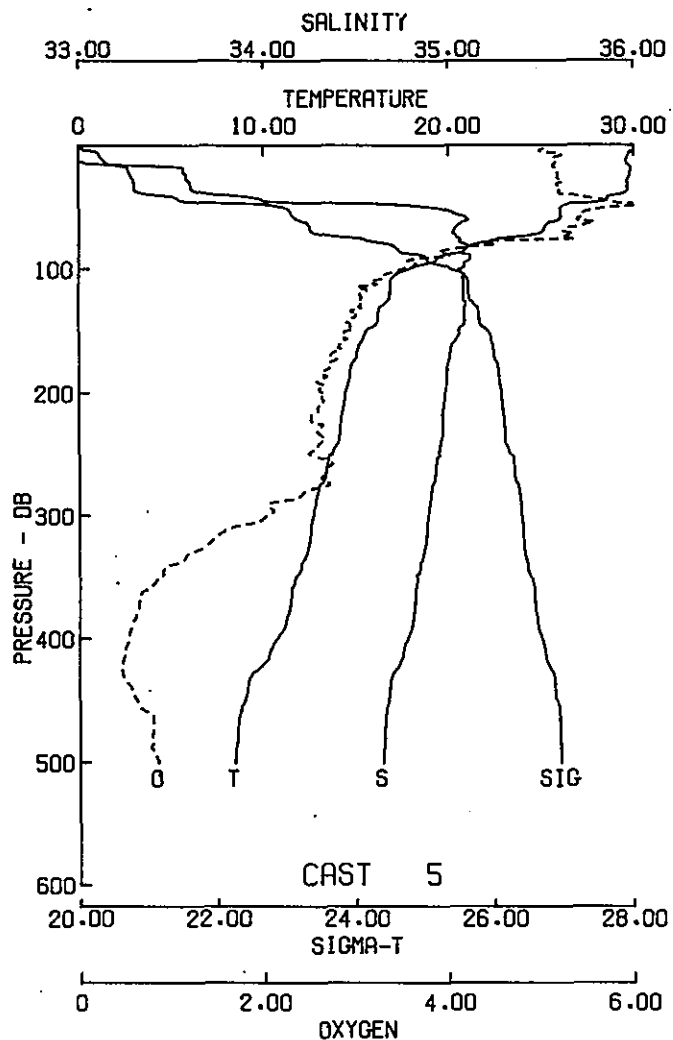


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.932	33.058	4.95	20.313	0.000
3.	29.927	33.057	4.98	20.314	
10.	29.795	33.035	4.98	20.341	.074
20.	29.788	33.025	5.03	20.489	.148
30.	29.629	33.0705	5.17	20.899	.219
40.	28.703	33.091	5.47	21.349	.286
50.	26.460	33.023	5.45	22.850	.341
60.	24.262	33.099	5.09	23.581	.387
70.	22.639	33.084	4.69	24.043	.426
80.	18.869	33.038	3.58	25.103	.461
90.	17.331	33.067	3.34	25.503	.488
100.	17.643	33.075	3.18	25.579	.513
110.	16.579	33.060	3.00	25.576	.537
120.	16.084	33.059	2.90	25.791	.560
130.	15.732	33.072	2.87	25.881	.583
140.	15.565	33.063	2.81	25.912	.604
150.	15.498	33.060	2.83	25.925	.626
160.	15.257	33.048	2.80	25.969	.647
170.	14.719	33.099	2.65	26.050	.667
180.	14.395	33.081	2.60	26.109	.687
190.	14.352	33.083	2.53	26.116	.707
200.	14.216	33.085	2.49	26.147	.726
250.	13.347	33.028	2.49	26.284	.820
300.	12.597	33.088	1.73	26.404	.906
350.	11.643	33.083	.71	26.543	.991
400.	9.200	33.069	.56	26.862	1.062
450.	8.695	33.067	.74	26.932	1.124
500.	8.071	33.063	.91	26.994	1.184
506.	7.937	33.0623	.99	27.007	

CAST EP2-83-RS-005 DATE 18 APR 83 TIME 1724 GMT
LAT 0 00.0S LONG 092 30.0W

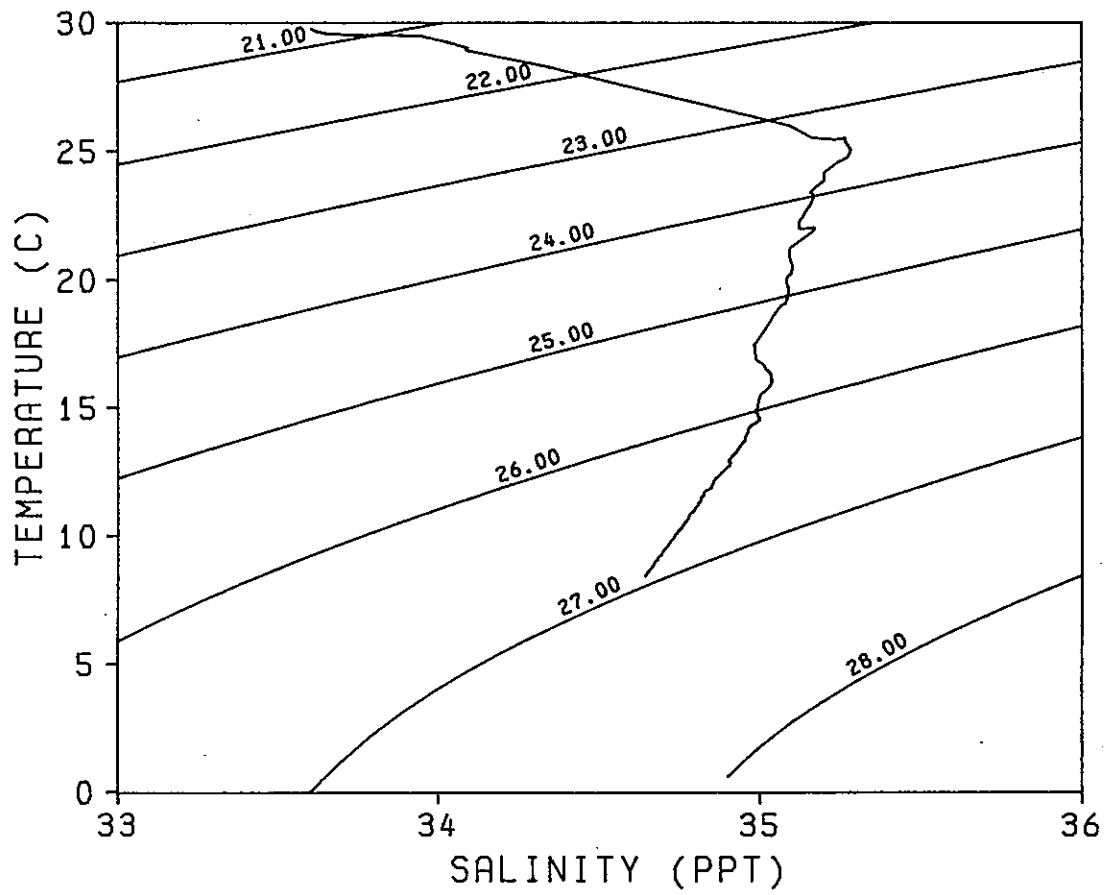


CAST FP2-23-RS-505 DATE 18 APR 83 TIME 1724 GMT
 LAT 0 00.0S LONG 092 39.0W WEATHER 0 SEA STATE 1
 BAROMETER 11 WIND DTR 000 T SPD 20 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 33.0 WET 26.0 DEPTH M

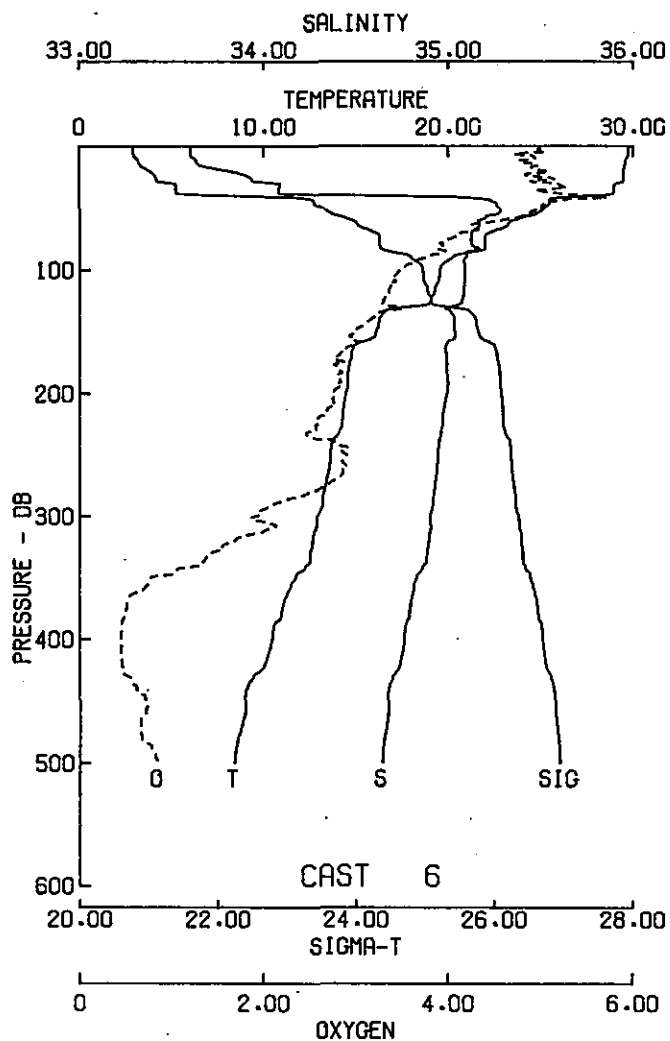


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (GYN-M)
0.	31.153	32.931	4.85	19.796	0.000
3.	30.488	32.938	5.03	20.032	
10.	29.667	32.946	5.14	20.318	.074
20.	29.086	32.957	5.19	20.718	.149
30.	29.068	33.064	5.24	20.805	.210
40.	29.316	33.723	5.25	21.021	.289
50.	26.146	34.846	5.89	22.890	.350
60.	25.989	35.095	5.39	23.127	.398
70.	25.695	35.027	5.23	23.353	.444
80.	21.537	35.079	4.51	24.414	.486
90.	19.575	35.120	4.02	24.979	.519
100.	17.949	35.178	3.52	25.361	.548
110.	16.893	35.085	3.19	25.622	.573
120.	16.860	35.085	3.10	25.620	.597
130.	16.451	35.094	3.05	25.732	.621
140.	15.216	35.090	2.96	25.784	.644
150.	14.574	35.061	2.92	25.808	.668
160.	14.239	35.027	2.82	25.959	.692
170.	13.011	35.007	2.72	26.092	.708
180.	14.690	34.993	2.71	26.051	.728
190.	14.620	34.993	2.58	26.066	.748
200.	14.420	34.985	2.64	26.102	.768
250.	13.720	34.954	2.49	26.226	.865
300.	12.694	34.892	2.05	26.387	.954
350.	11.752	34.825	.89	26.519	1.038
400.	10.713	34.779	.53	26.673	1.116
450.	8.974	34.674	.62	26.887	1.183
500.	8.413	34.645	.85	26.952	1.244
501.	8.413	34.645	.86	26.952	

CAST EP2-83-RS-006 DATE 18 APR 83 TIME 1219 GMT
LAT 00 00.1N LONG 095 13.0W

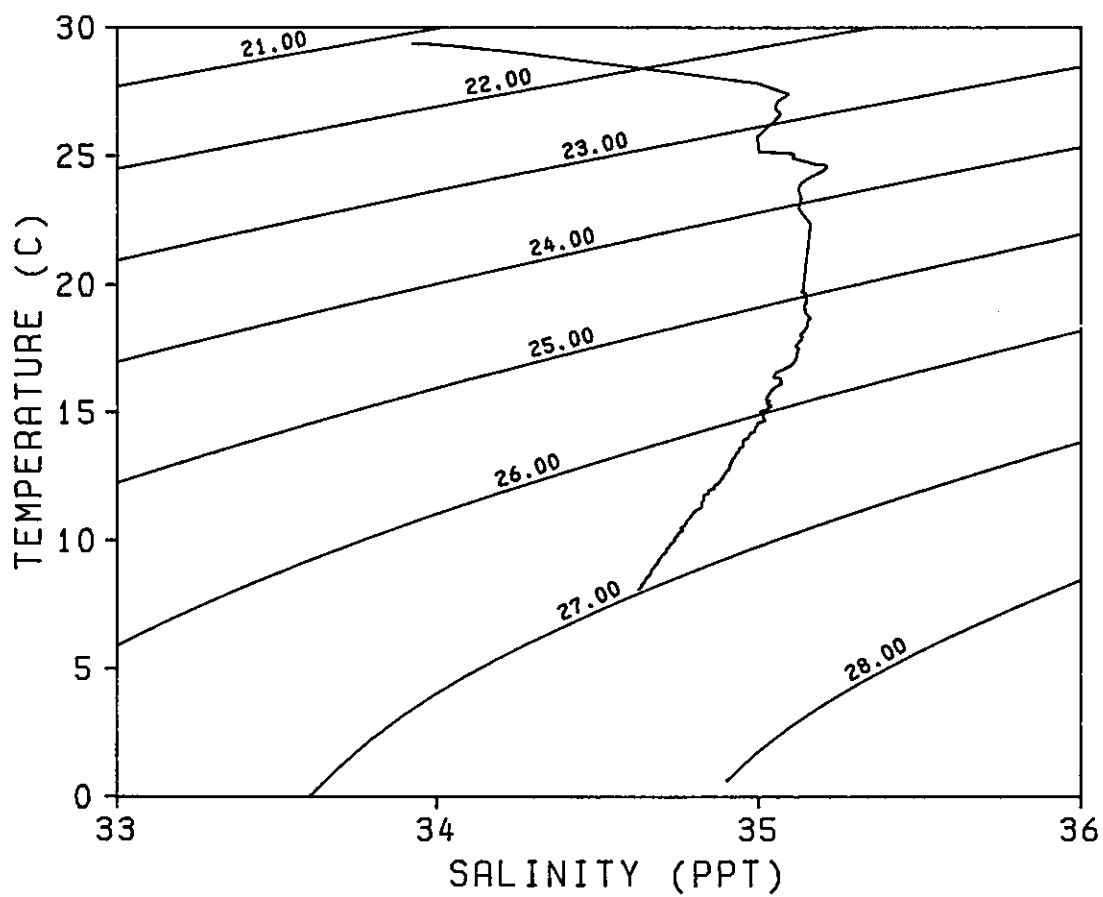


CAST EP2-87-RS-026 DATE 18 APR 83 TIME 1210 GMT
 LAT 00 00.1N LONG 395 13.0W WEATHER 1 SEA STATE 3
 BAROMETER 08 WIND DIR 280 T SPD 05 KT VISIBILITY 9
 CLOUD 8 AMOUNT 2 DRY 28.3 WET 25.8 DEPTH M

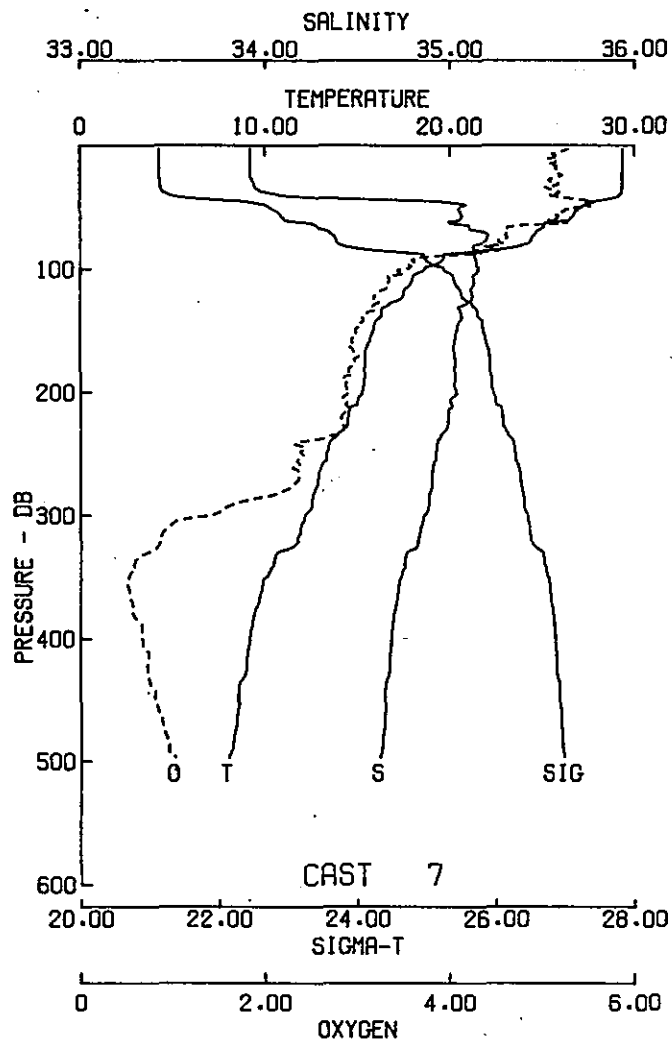


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-SI (DYN-M)
0.	29.748	33.605	5.15	20.785	0.000
2.	29.744	33.605	5.00	20.786	
10.	29.640	33.623	4.95	20.834	.070
20.	29.498	33.790	5.02	21.007	.139
30.	29.233	34.028	5.09	21.275	.206
40.	28.989	34.335	5.49	21.819	.270
50.	28.706	34.627	4.98	22.504	.317
60.	28.510	34.817	4.60	23.066	.350
70.	28.304	35.123	4.19	24.243	.398
80.	21.968	35.126	3.92	24.340	.435
90.	20.220	35.097	3.78	24.794	.469
100.	19.549	35.089	3.50	24.965	.500
110.	19.452	35.085	3.44	24.987	.531
120.	19.226	35.083	3.34	25.044	.560
130.	18.973	35.017	3.42	25.084	.590
140.	18.271	35.033	3.17	25.727	.614
150.	16.995	35.036	3.00	25.770	.637
160.	15.132	34.993	3.00	25.954	.659
170.	14.761	34.992	3.81	26.035	.680
180.	14.594	34.992	3.81	26.071	.700
190.	14.565	34.999	3.82	26.083	.720
200.	14.464	34.995	3.76	26.101	.74
220.	13.622	34.945	3.90	26.241	.836
240.	12.896	34.900	1.94	26.354	.927
260.	11.739	34.830	.78	26.526	1.010
280.	10.468	34.764	.46	26.705	1.088
300.	8.997	34.675	.73	26.884	1.165
320.	8.494	34.643	.85	26.952	1.217

CAST EP2-83-RS-007 DATE 20 APR 83 TIME 1518 GMT
LAT 0 00.2S LONG 100 00.0W

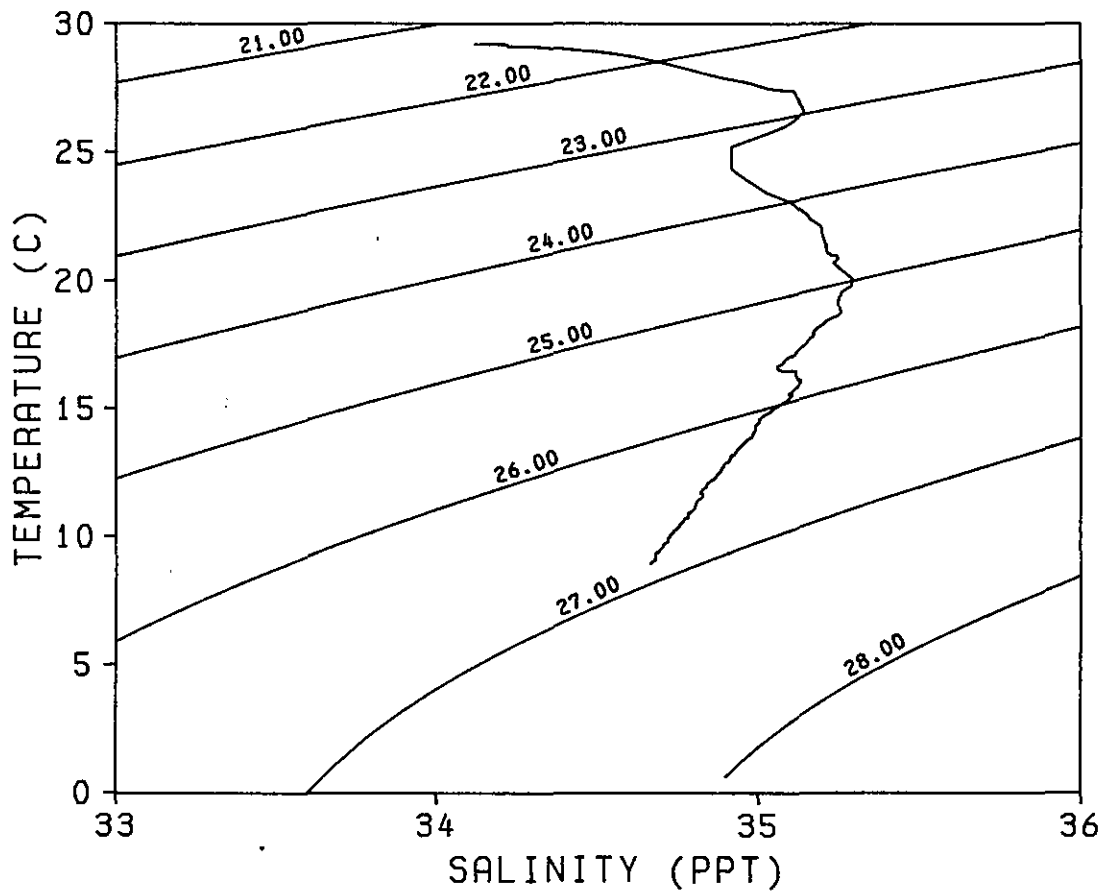


CAST EP2-R3-RS-007 DATE 20 APR 83 TIME 1518 GMT
 LAT 0 00.2S LONG 100 03.0W WEATHER 2 SEA STATE 5
 BAROMETER 29 WIND DIR 245 T SPD 17 KT VISIBILITY 6
 CLOUD 6 AMOUNT 6 DRY 28.3 WET 25.2 DEPTH 6

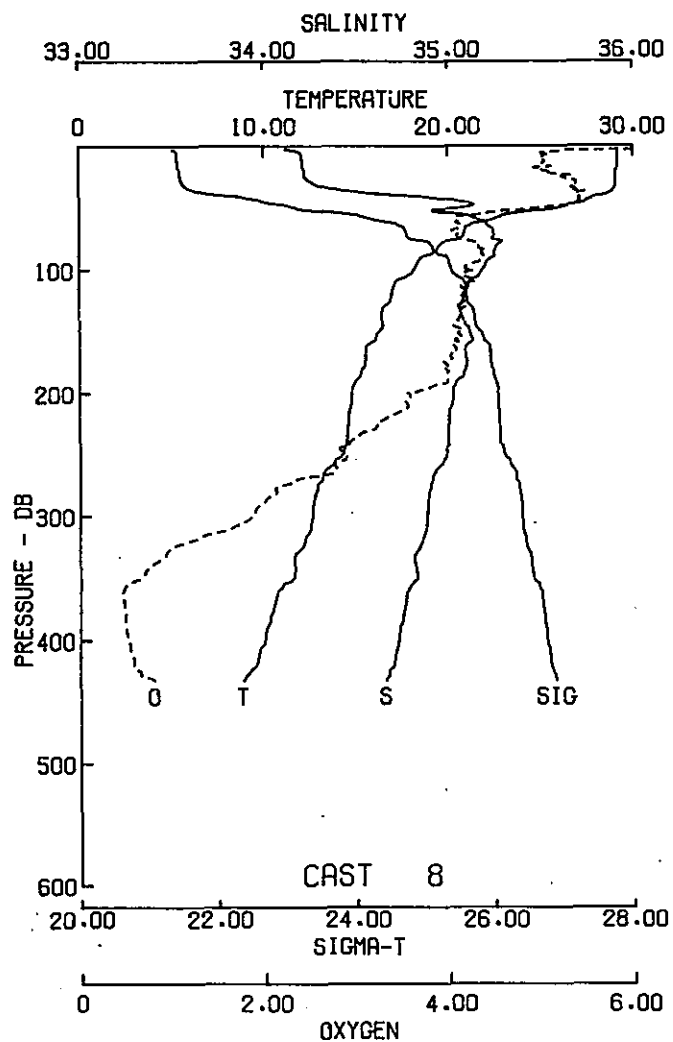


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.363	33.921	5.43	21.151	0.000
3.	29.363	33.920	5.29	21.151	
10.	29.365	33.923	5.16	21.152	.046
20.	29.363	33.923	5.16	21.152	.133
30.	29.363	33.922	5.14	21.167	.199
40.	29.228	34.081	5.08	21.315	.286
50.	27.117	35.056	5.45	22.741	.323
60.	26.481	35.054	5.13	22.942	.373
70.	24.655	35.178	4.64	23.509	.419
80.	24.154	35.158	4.59	23.733	.461
90.	19.705	35.136	3.79	24.950	.498
100.	18.654	35.155	3.52	25.244	.529
110.	17.947	35.136	3.34	25.405	.552
120.	17.522	35.121	3.22	25.498	.574
130.	16.640	35.071	3.17	25.670	.604
140.	16.228	35.067	3.06	25.768	.637
150.	15.817	35.041	2.99	25.825	.650
160.	15.409	35.029	2.95	25.867	.657
170.	15.445	35.029	2.99	25.912	.659
180.	15.409	35.030	2.92	25.922	.715
190.	15.347	35.027	2.86	25.933	.736
200.	15.251	35.036	2.86	25.951	.758
250.	13.536	34.928	2.40	26.284	.856
300.	12.190	34.867	1.42	26.467	.942
350.	10.116	34.738	.53	26.746	1.012
400.	9.192	34.685	.67	26.850	1.068
450.	8.597	34.653	.82	26.930	1.114
497.	8.041	34.622	1.03	26.991	1.147

CAST EP2-83-RS-008 DATE 21 APR 83 TIME 2303 GMT
LAT 00 00.0N LONG 105 00.0W

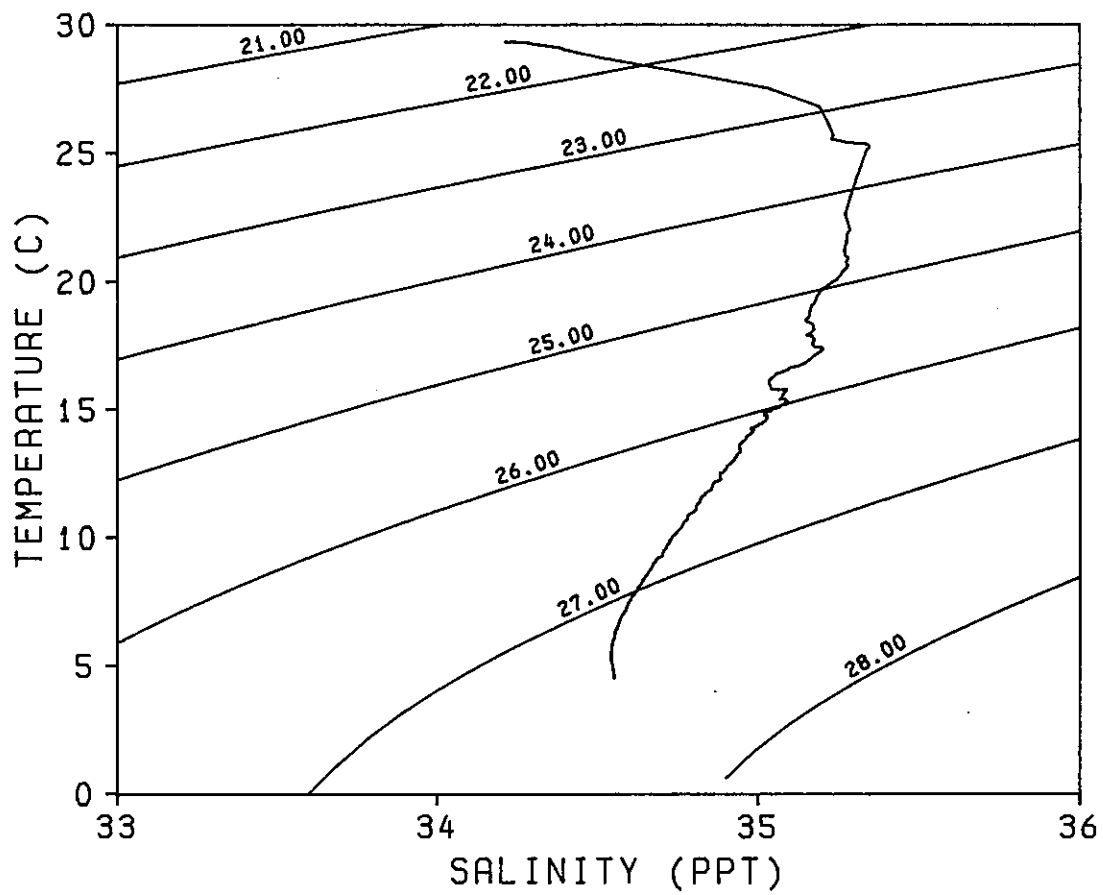


CAST EP2-87-RS-008 DATE 21 APR 83 TIME 2303 GMT
 LAT 00 30.0N LONG 105 00.0W WEATHER 2 SEA STATE 4
 BAROMETER 09 WIND DIR 260 T SPD 14 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 26.2 WET 25.0 DEPTH 4

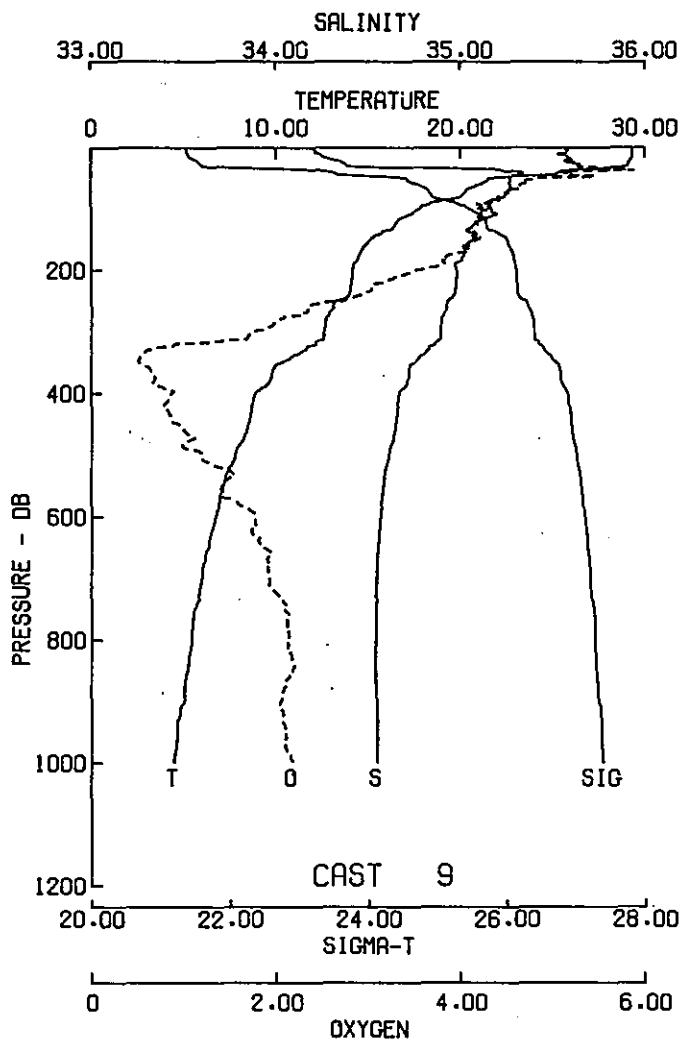


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-SI (DYN-CM)
0.	29.195	34.078	6.67	21.325	0.000
3.	29.192	34.120	6.24	21.358	
10.	29.192	34.211	5.01	21.426	.064
20.	29.164	34.225	5.02	21.466	.128
30.	29.085	34.273	5.39	21.508	.191
40.	28.996	34.718	5.40	22.071	.253
50.	28.911	35.084	5.03	23.112	.315
60.	28.855	35.162	4.11	24.259	.347
70.	28.875	35.249	4.07	24.735	.381
80.	19.613	35.270	4.29	25.086	.412
90.	18.501	35.246	4.39	25.327	.440
100.	18.176	35.188	4.21	25.389	.467
110.	17.189	35.115	4.28	25.574	.492
120.	16.967	35.099	4.18	25.608	.517
130.	16.821	35.058	4.19	25.688	.541
140.	16.448	35.087	4.12	25.727	.564
150.	16.258	35.118	4.16	25.796	.587
160.	15.730	35.109	4.08	25.910	.609
170.	15.526	35.095	4.02	25.945	.630
180.	15.359	35.095	3.97	25.982	.651
190.	14.987	35.047	4.00	26.023	.672
200.	14.786	35.027	3.56	26.056	.692
250.	14.244	34.990	2.88	26.145	.792
300.	12.212	34.886	1.87	26.400	.891
350.	11.580	34.828	.67	26.553	.964
400.	10.028	34.799	.52	26.756	1.036
433.	8.879	34.663	.82	26.893	

CAST EP2-83-RS-009 DATE 26 APR 83 TIME 1223 GMT
LAT 0 03.2S LONG 109 31.2W

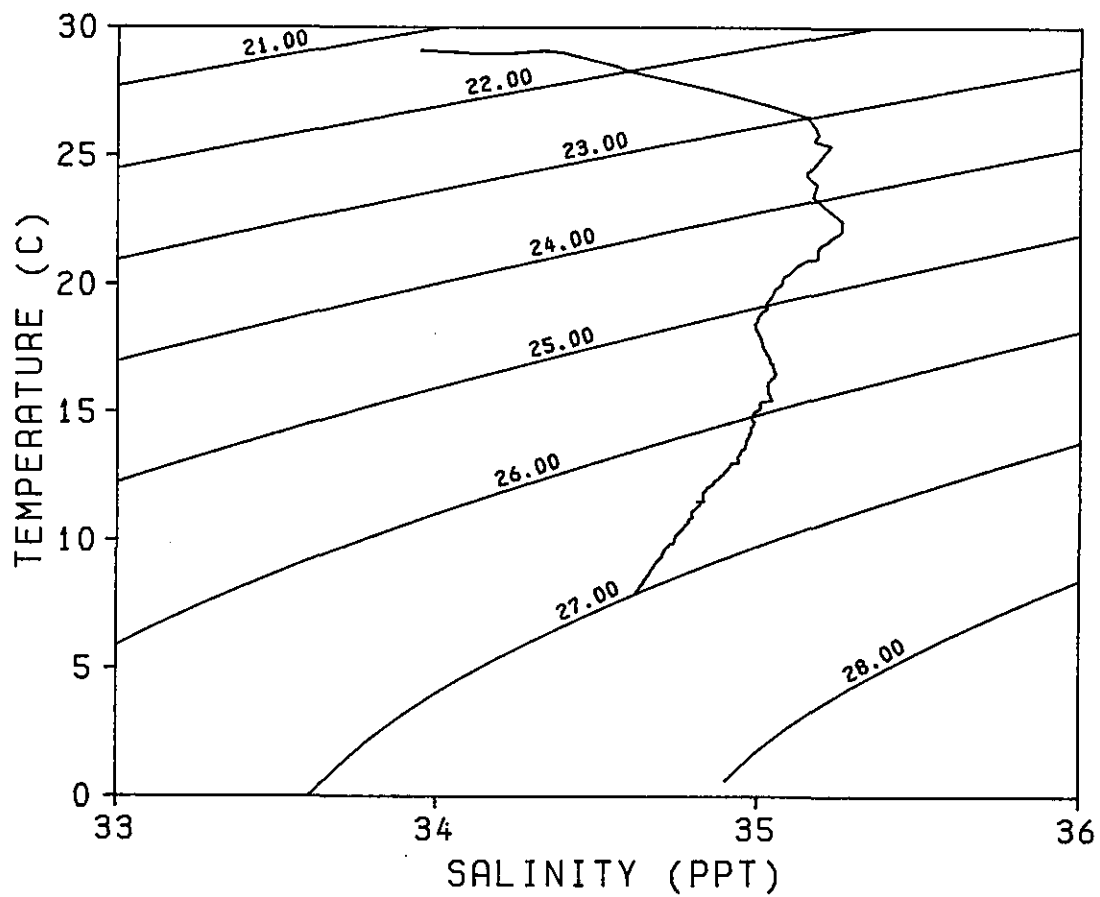


CAST EP2-83-RS-069 DATE 26 APR 83 TIME 1223 GMT
 LAT 03.25S LONG 109 31.2W WEATHER 2 SEA STATE 4
 BAROMETER 29 WIND DIR 255 T SPD 04 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 27.0 WET 25.8 DEPTH M

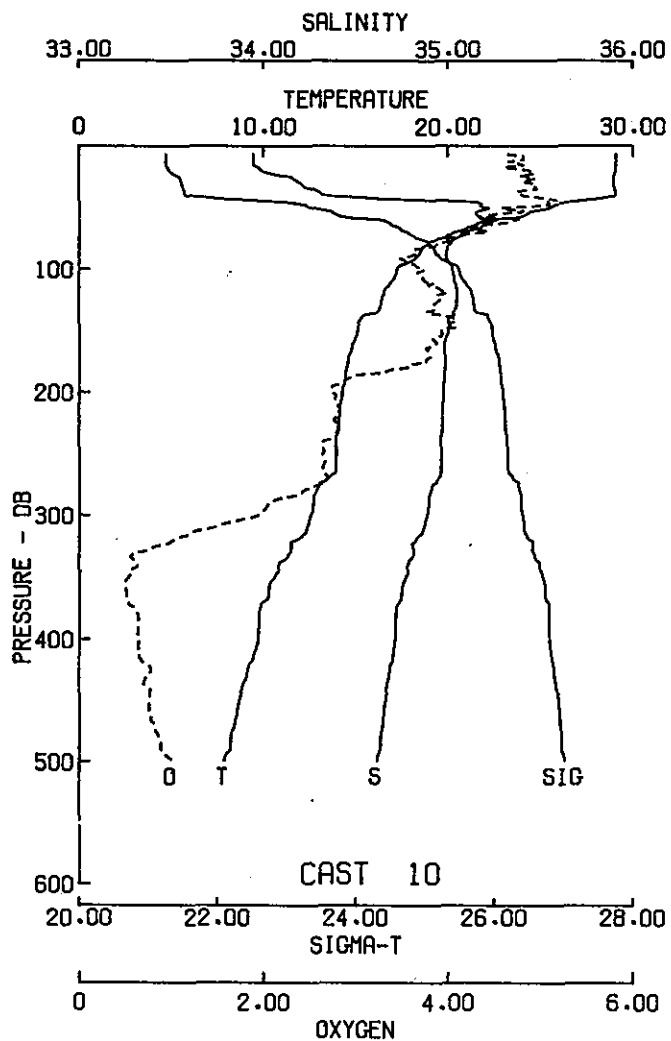


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.305	34.206	5.19	21.385	0.000
3.	29.312	34.211	5.17	21.386	
10.	29.325	34.226	5.15	21.392	.064
20.	29.327	34.303	5.22	21.487	.126
30.	29.339	34.387	5.32	21.609	.191
40.	29.403	35.281	5.10	23.449	.244
50.	29.444	35.275	4.90	24.488	.288
60.	29.144	35.268	4.67	24.676	.319
70.	29.358	35.269	4.55	24.881	.351
80.	29.558	35.249	4.42	24.946	.381
90.	29.508	35.149	4.30	25.276	.411
100.	29.867	35.170	4.19	25.451	.437
110.	29.294	35.194	4.21	25.612	.462
120.	29.625	35.103	4.18	25.699	.488
130.	29.397	35.062	4.13	25.720	.509
140.	29.762	35.091	4.16	25.888	.532
150.	29.148	35.070	4.20	26.010	.553
160.	29.869	35.023	4.10	26.039	.573
170.	29.643	35.026	4.08	26.087	.593
180.	29.469	35.011	3.85	26.113	.613
190.	29.261	34.978	3.84	26.132	.632
200.	29.194	34.984	3.60	26.151	.652
250.	29.463	34.982	3.75	26.271	.747
300.	29.608	34.994	1.78	26.406	.835
350.	29.423	34.761	.52	26.712	.914
400.	29.921	34.673	.89	26.894	.981
450.	29.499	34.649	.91	26.942	1.042
500.	29.807	34.614	1.20	27.019	1.101
550.	29.737	34.556	1.42	27.088	1.156
600.	29.371	34.555	1.78	27.134	1.209
650.	29.013	34.555	1.85	27.174	1.259
700.	29.548	34.548	1.92	27.215	1.308
750.	29.614	34.541	2.10	27.260	1.355
800.	29.436	34.541	2.14	27.281	1.400
850.	29.234	34.541	2.18	27.305	1.444
900.	29.015	34.544	2.05	27.335	1.487
950.	29.657	34.555	2.11	27.378	1.528
1000.	29.503	34.551	2.18	27.397	1.568

CAST EP2-83-RS-010 DATE 27 APR 83 TIME 0141 GMT
LAT 00 46.2N LONG 109 18.0W

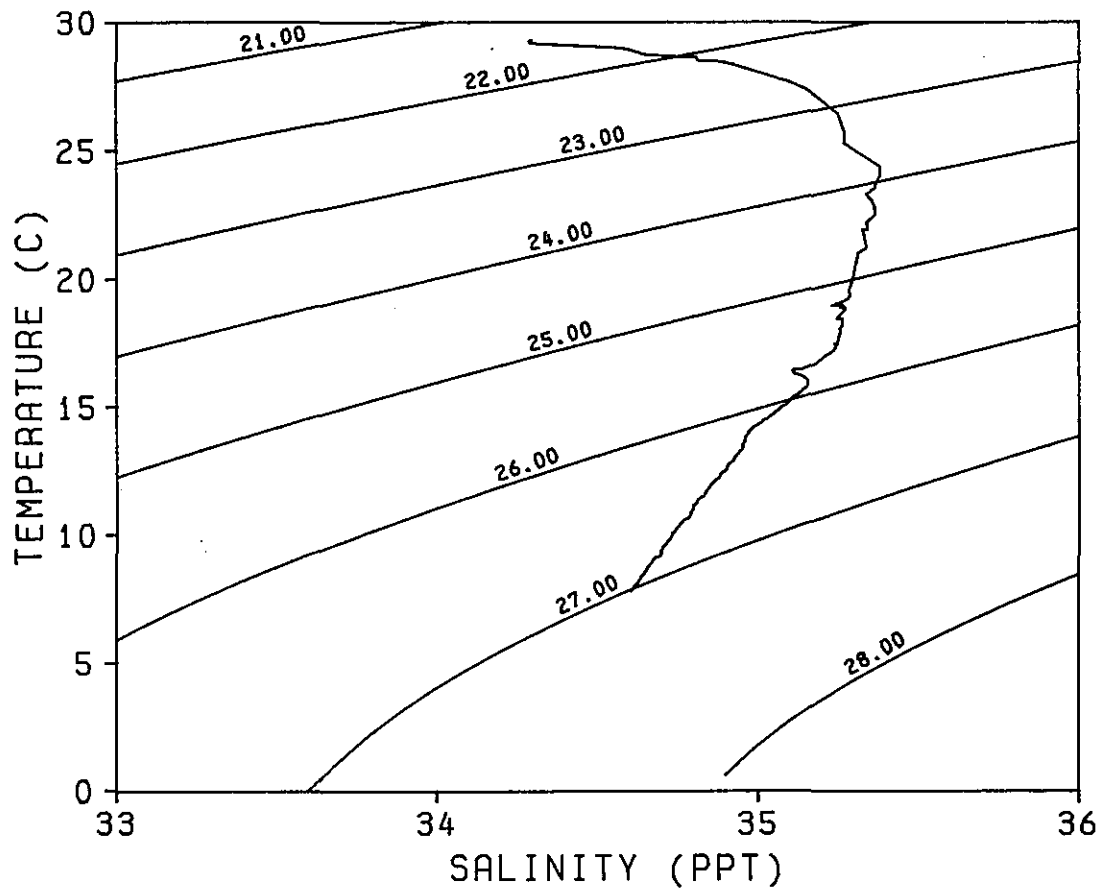


CAST FP2-83-PS-010 DATE 27 APR 83 TIME 0141 GMT
 LAT 03 46.2N LONG 110 13.0W WEATHER 2 SEA STATE 3
 BAROMETER 38 WIND SPD 12 KT VISIBILITY 7
 CLOUD 7 AMOUNT 6 DRY 26.0 WFT 25.0 DEPTH M

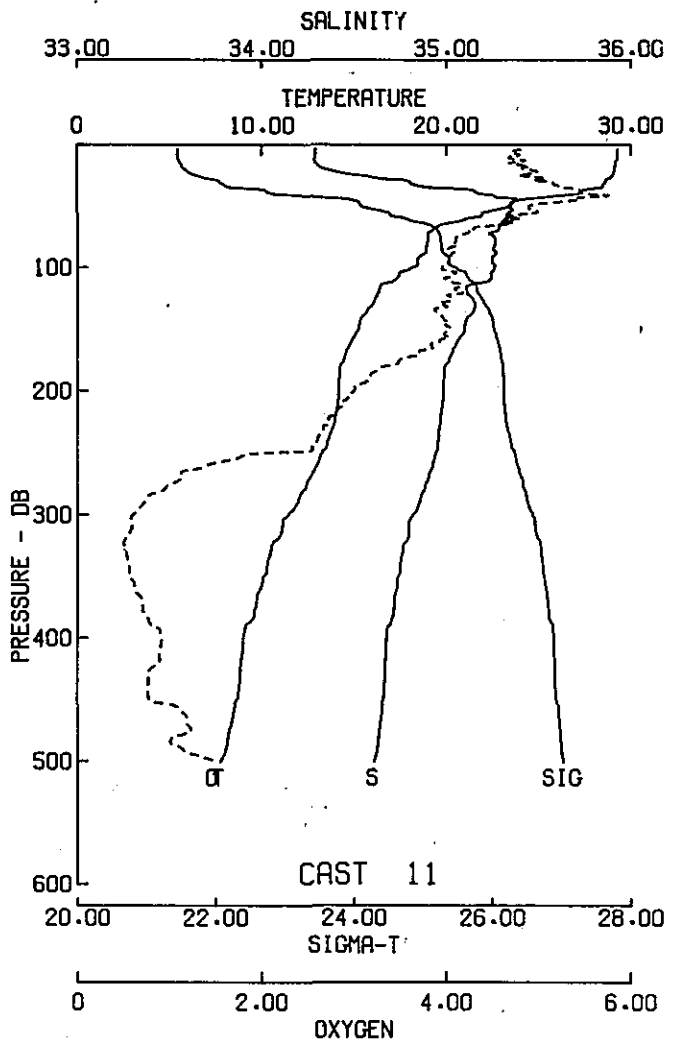


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-SI (DYN-CM)
7.	29.387	33.945	4.66	21.262	
10.	29.090	33.948	4.81	21.263	.065
20.	29.057	33.990	4.87	21.306	.131
30.	28.969	34.200	4.88	21.492	.195
40.	29.095	34.320	4.81	21.547	.258
50.	28.554	34.178	4.76	23.324	.311
60.	22.460	34.259	4.77	24.302	.357
70.	20.404	34.095	4.44	24.744	.387
80.	18.950	34.213	3.88	25.061	.418
90.	18.312	34.992	3.59	25.205	.447
100.	17.261	34.024	3.72	25.488	.473
110.	16.979	34.035	3.75	25.563	.498
120.	16.552	34.052	4.00	25.677	.522
130.	15.381	34.049	3.85	25.971	.545
140.	15.324	34.004	4.03	25.920	.568
150.	15.093	34.702	3.93	25.970	.589
160.	14.855	34.981	3.88	26.052	.610
170.	14.656	34.984	3.80	26.052	.631
180.	14.515	34.985	3.58	26.083	.651
190.	14.432	34.980	2.90	26.097	.671
200.	14.276	34.977	2.74	26.128	.690
250.	13.921	34.963	2.64	26.193	.786
300.	12.551	34.889	1.94	26.413	.876
350.	10.581	34.771	.54	26.691	.955
400.	9.705	34.715	.64	26.798	1.024
450.	8.662	34.661	.75	26.926	1.088
500.	7.868	34.617	1.01	27.013	1.148

CAST EP2-83-RS-011 DATE 27 APR 83 TIME 1109 GMT
LAT 0 30.0S LONG 109 13.9W



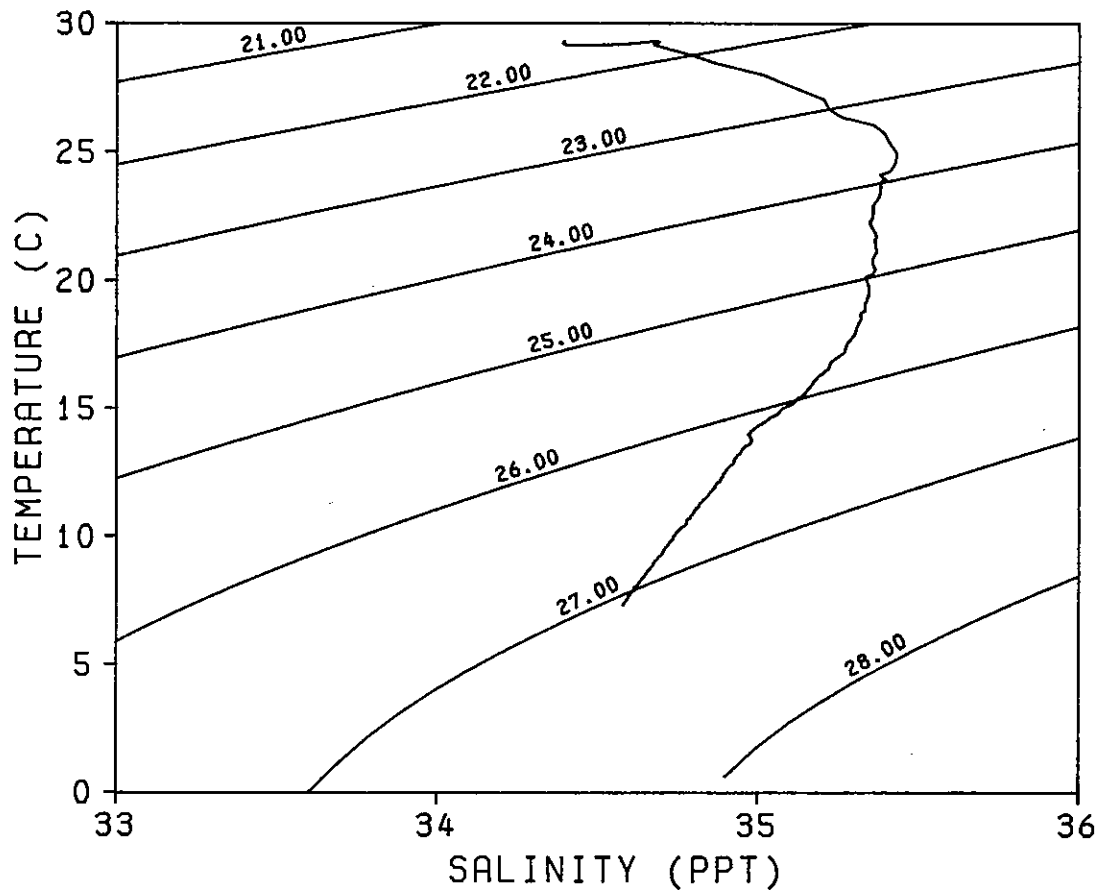
CAST EP2-83-RS-011 DATE 27 APR 83 TIME 1109 GMT
 LAT 33.9S LONG 109 13.9W WEATHER 1 SEA STATE 4
 BAROMETER 08 WIND DIR 325 T SPD 12 KT VISTIBILITY 7
 CLOUD 9 AMOUNT 3 DRW 27.9 WET 26.0 DEPTH M



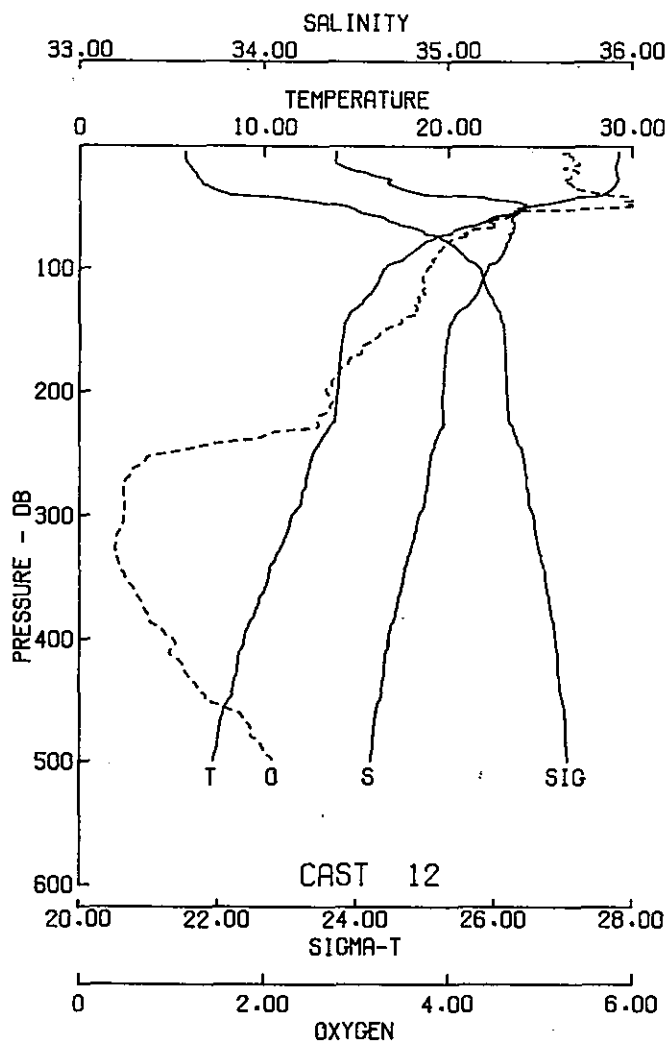
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.279	34.293	4.91	21.458	0.000
4.	29.282	34.292	4.80	21.456	
10.	29.277	34.289	4.69	21.456	.064
20.	29.168	34.349	4.83	21.557	.127
30.	28.609	34.797	5.11	22.060	.187
40.	27.119	35.181	5.51	22.834	.242
50.	23.387	35.350	4.90	24.105	.284
60.	21.212	35.337	4.80	24.710	.320
70.	19.205	35.277	4.31	25.197	.350
80.	18.447	35.263	4.09	25.253	.377
90.	18.675	35.260	4.05	25.319	.405
100.	18.151	35.260	3.95	25.351	.431
110.	17.225	35.236	4.01	25.658	.456
120.	16.311	35.113	4.11	25.779	.476
130.	16.010	35.153	3.92	25.880	.501
140.	15.410	35.115	3.95	25.986	.522
150.	15.232	35.097	4.03	26.012	.542
160.	14.824	35.058	3.93	26.071	.567
170.	14.523	35.128	3.71	26.114	.582
180.	14.224	34.989	3.37	26.148	.602
190.	14.176	34.985	3.16	26.155	.621
200.	14.142	34.982	3.00	26.160	.640
2250.	13.249	34.942	2.15	26.311	.734
3390.	11.432	34.820	.61	26.575	.818
3700.	10.128	34.740	.56	26.746	.890
4300.	8.985	34.674	.91	26.885	.956
4500.	8.685	34.658	.78	26.920	1.018
4500.	7.758	34.607	1.48	27.021	1.077
501.	7.735	34.607	1.47	27.024	

273

CAST EP2-83-RS-012 DATE 27 APR 83 TIME 1551 GMT
LAT 0 59.5S LONG 109 14.9W

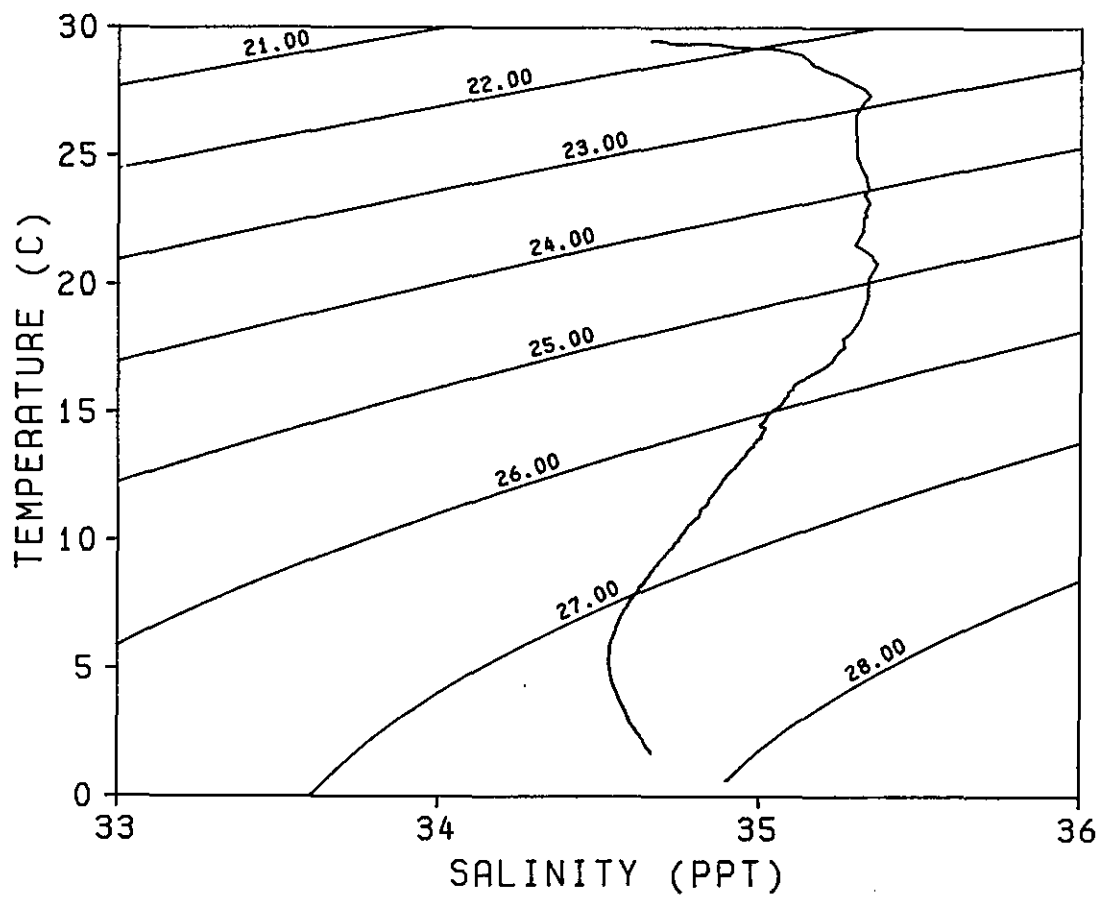


CAST 12-87-RS-112 DATE 27 APR 87 TIME 1551 GMT
 LAT 55.55 LONG 123 14.9W W/FATHER 1 SEA STATE 4
 PARAMETER 10 WIND DIR 335 T SPD 30 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 22.0 WET 26.0 DEPTH 8

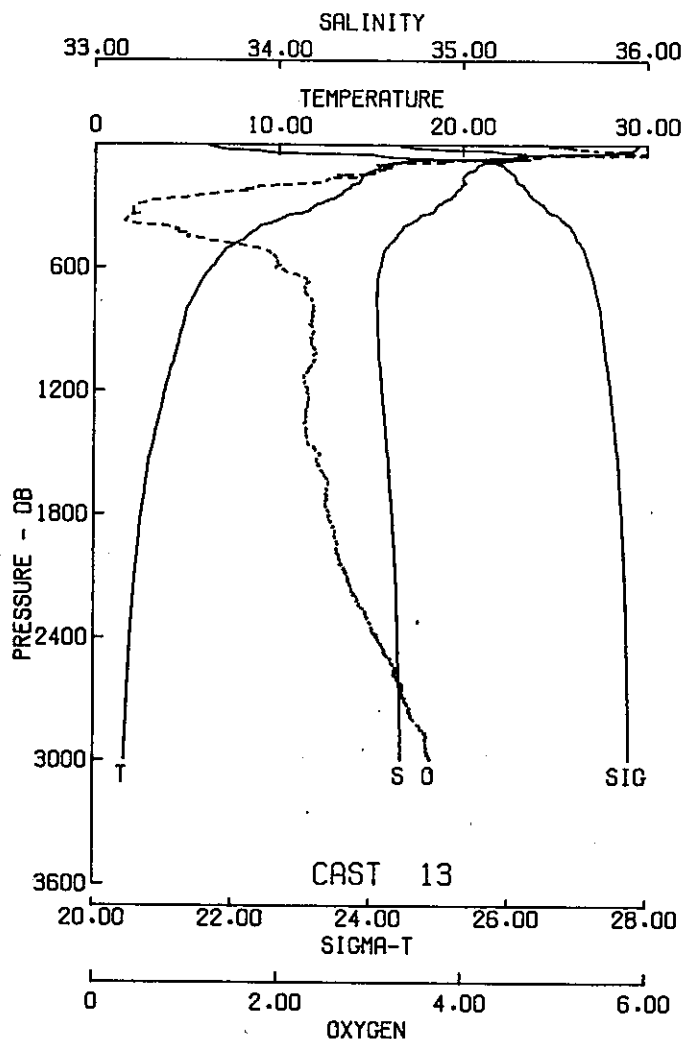


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	29.275	34.394	5.34	21.535	0.000
5	29.270	34.394	5.33	21.537	
10	29.248	34.391	5.36	21.542	.063
20	29.142	34.482	5.37	21.546	.125
30	29.165	34.672	5.33	21.781	.186
40	29.423	34.873	5.76	22.179	.248
50	24.213	34.403	5.88	23.902	.299
60	22.248	34.345	4.51	24.424	.330
70	22.270	34.354	4.21	24.957	.361
80	18.632	34.314	3.95	25.371	.391
90	17.750	34.289	3.88	25.559	.417
100	16.574	34.217	3.78	25.788	.440
110	16.238	34.185	3.72	25.852	.463
120	15.836	34.161	3.74	25.925	.484
130	15.216	34.112	3.55	25.957	.504
140	14.606	34.036	3.52	25.102	.524
150	14.319	34.001	3.33	26.137	.544
160	14.221	34.991	3.15	26.153	.563
170	14.130	34.981	3.04	26.165	.582
180	14.107	34.979	3.86	26.165	.601
190	14.061	34.976	3.55	26.173	.620
200	14.026	34.973	2.68	26.180	.639
250	12.641	34.906	3.93	26.400	.731
300	11.506	34.840	4.48	26.476	.813
350	10.228	34.755	5.50	26.741	.885
400	8.975	34.676	1.602	26.899	.953
450	8.074	34.627	1.37	26.899	1.010
500	7.272	34.580	2.11	27.079	1.068

CAST EP2-83-RS-013 DATE 28 APR 83 TIME 0123 GMT
LAT 2 01.9S LONG 109 22.6W

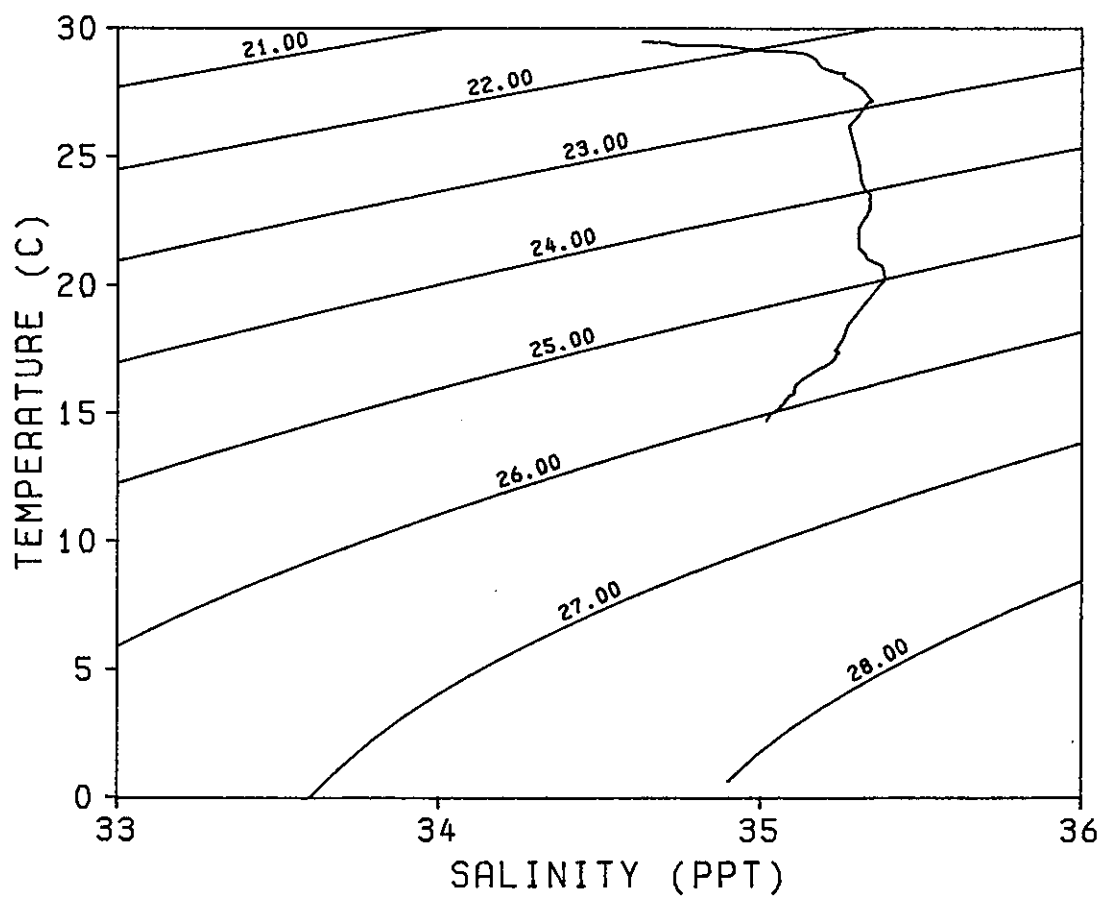


CAST FP2-27-PS-U13 DATE 28 APR 83 TIME 0123 GMT
 LAT 23.05 LONG 100 22.6W WFAZTHR 1 SEA STATE 4
 BAROMETER 37 WIND DIR 000 T SPD 00 KT VISIBILITY 7
 CLOUD AMOUNT 3 DRY 29.6 WET 25.9 DEPTH 3957 M

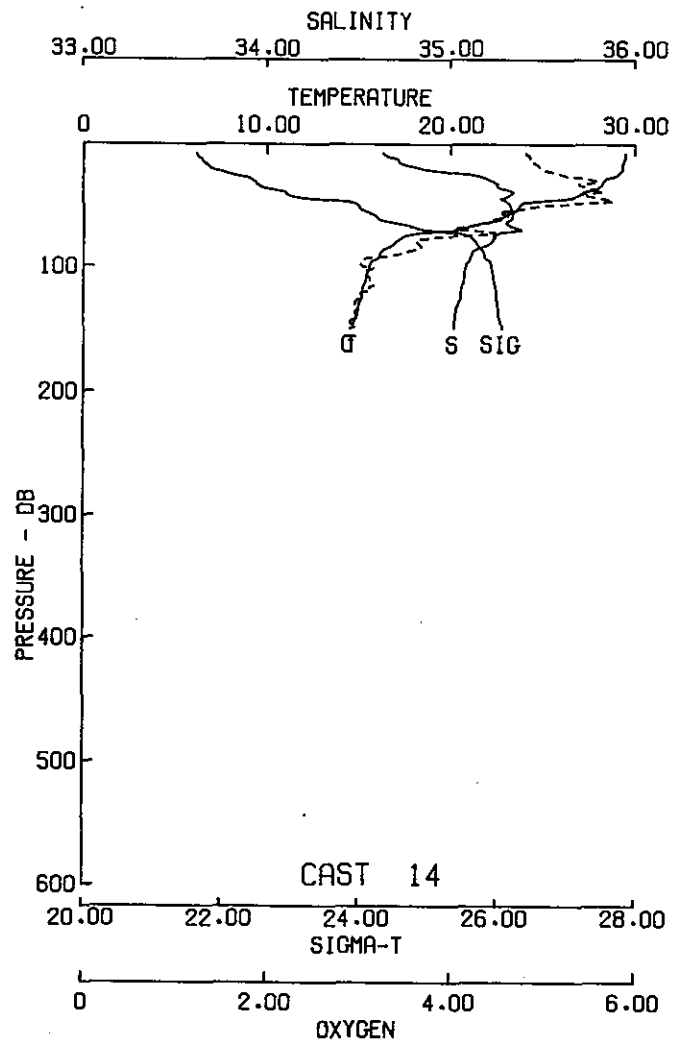


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
8	29.477	34.662	5.07	21.668	
10	29.468	34.675	4.93	21.680	.062
20	29.344	34.769	5.25	21.793	.122
30	29.141	34.846	5.48	22.069	.182
40	28.238	34.821	5.75	22.360	.237
50	24.172	34.853	5.28	23.886	.284
60	23.675	34.833	4.83	24.142	.325
70	20.972	34.852	4.34	24.787	.361
80	17.264	34.838	3.84	25.633	.387
90	15.167	34.819	3.56	25.817	.400
100	15.676	34.807	3.33	25.880	.431
110	15.472	34.875	3.21	25.949	.452
120	15.348	34.969	3.19	26.006	.477
130	15.066	34.941	3.06	26.066	.494
140	14.783	34.918	2.99	26.080	.514
150	14.505	34.910	2.85	26.097	.534
160	14.474	34.901	2.54	26.164	.574
170	14.414	34.904	2.53	26.122	.593
180	14.287	34.915	2.38	26.154	.613
190	13.932	34.991	2.11	26.219	.633
200	11.231	34.949	1.17	26.320	.724
250	11.957	34.864	.45	26.500	.808
300	10.490	34.768	.37	26.729	.885
350	8.966	34.679	.77	26.896	.952
400	8.301	34.641	1.00	26.966	1.012
450	7.423	34.592	1.66	27.058	1.069
500	6.811	34.565	1.96	27.123	1.122
550	6.345	34.551	1.95	27.174	1.171
600	5.946	34.539	2.27	27.215	1.221
650	5.633	34.537	2.30	27.254	1.268
700	5.359	34.535	2.36	27.283	1.317
750	5.348	34.536	2.39	27.323	1.356
800	4.910	34.538	2.30	27.341	1.390
850	4.773	34.539	2.38	27.357	1.440
900	4.614	34.543	2.47	27.378	1.481
950	4.482	34.544	2.40	27.393	1.521
1000	3.079	34.594	2.42	27.425	1.875
2000	2.358	34.634	2.65	27.671	2.162
2500	1.929	34.655	3.21	27.722	2.411
3000	1.688	34.670	3.56	27.753	2.651

CAST EP2-83-RS-014 DATE 28 APR 83 TIME 0303 GMT
LAT 2 01.7S LONG 109 18.5W

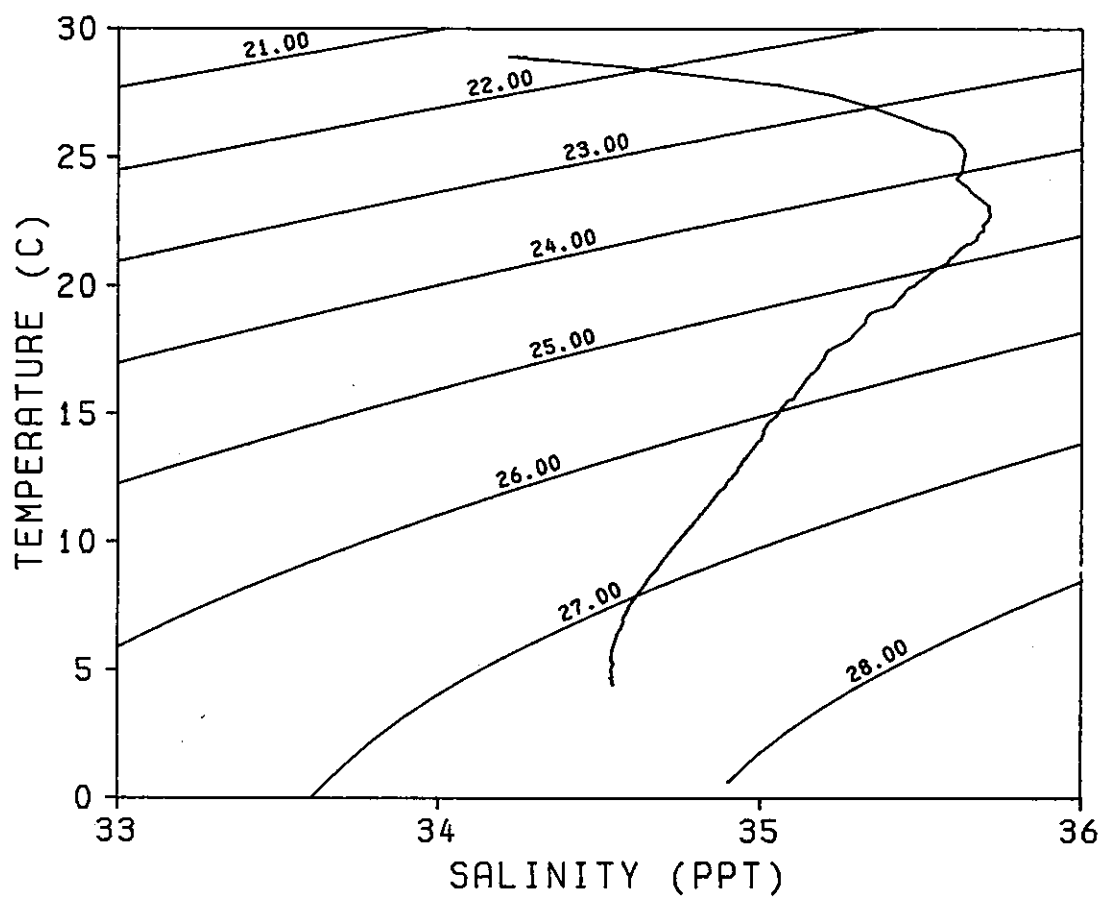


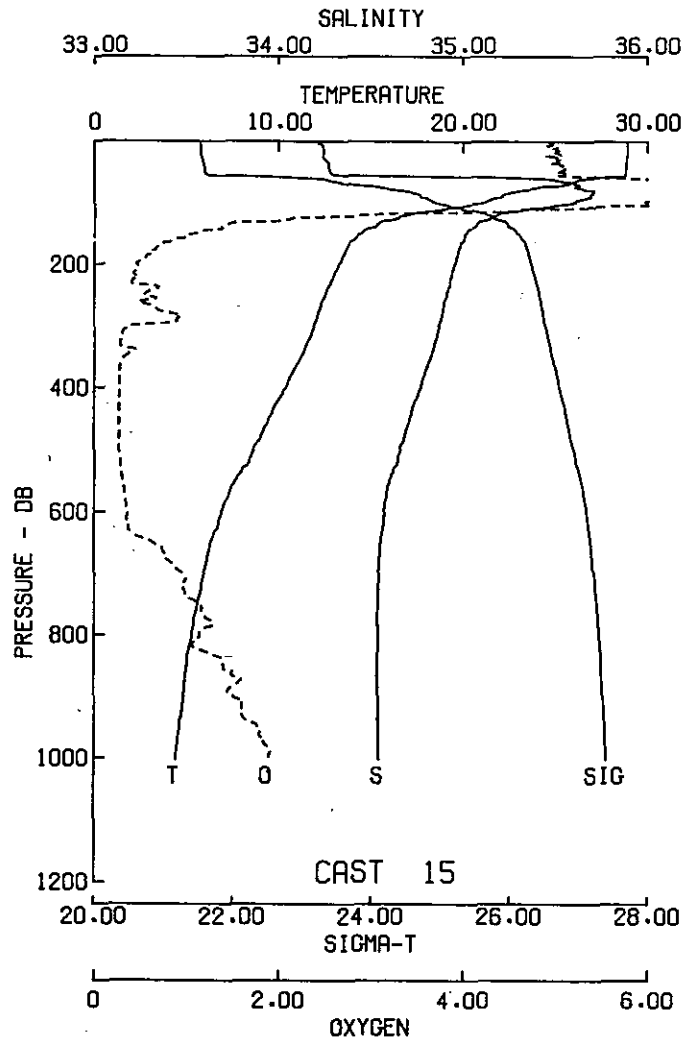
CAST EP2-97-RS-014 DATE 28 APR 83 TIME 0303 GMT
 LAT 2 01.7S LONG 109 18.5W WEATHER 1 SEA STATE 2
 BAROMETER 29 WIND DIR 335 T SPD 04 KT VISIBILITY 4
 CLOUD 8 AMOUNT 4 DRY 28.2 WET 25.9 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
8.	29.468	34.634	4.82	21.650	
10.	29.456	34.647	4.86	21.664	.062
20.	29.331	34.825	4.98	21.839	.122
30.	28.346	35.217	5.58	22.461	.180
40.	27.136	35.344	5.54	22.951	.232
50.	23.755	35.318	5.58	23.973	.277
60.	22.845	35.331	4.50	24.247	.315
70.	20.751	35.374	4.04	24.864	.350
80.	17.049	35.223	3.62	25.690	.376
90.	16.156	35.115	3.46	25.818	.399
100.	15.577	35.082	3.02	25.924	.421
110.	15.401	35.072	3.12	25.955	.441
120.	15.187	35.056	3.12	25.991	.462
130.	15.031	35.042	2.96	26.014	.483
140.	14.901	35.024	2.96	26.029	.503
150.	14.692	35.016	2.90	26.068	.523

CAST EP2-83-RS-015 DATE 01 MAY 83 TIME 0530 GMT
LAT 7 00.0S LONG 095 00.0W

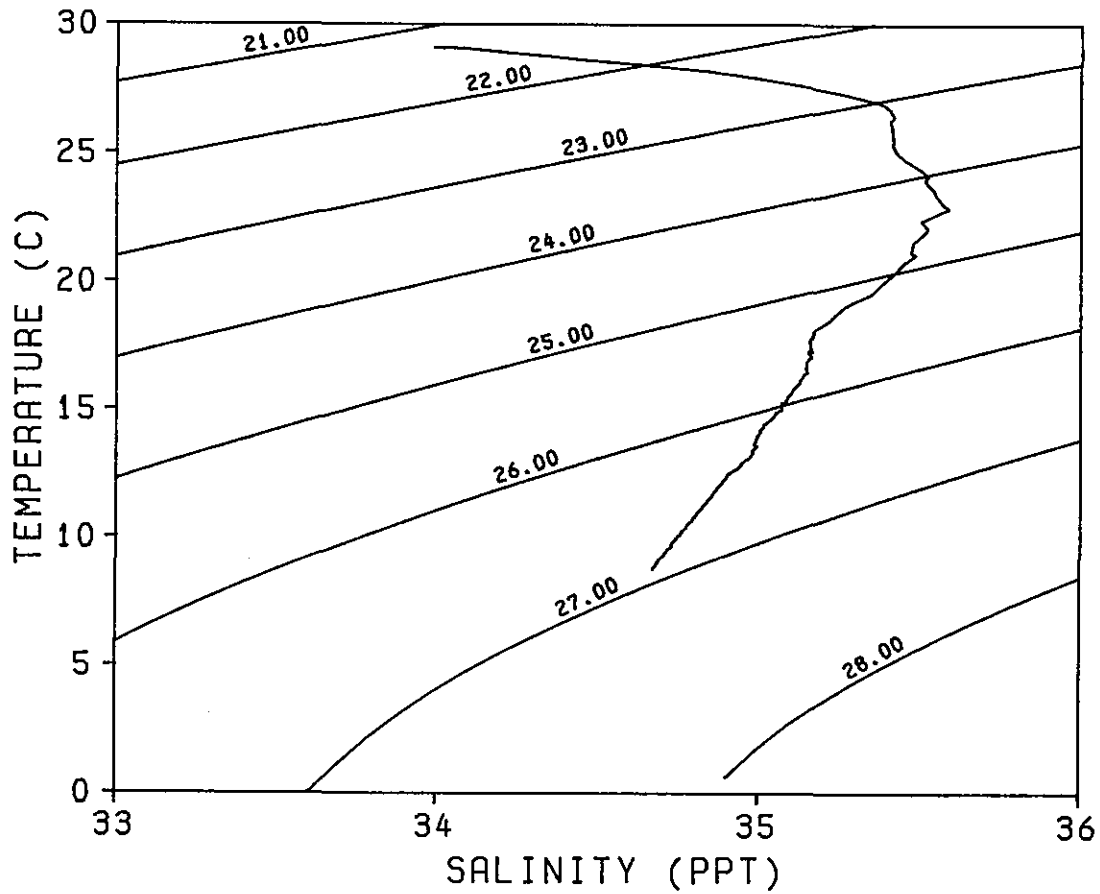




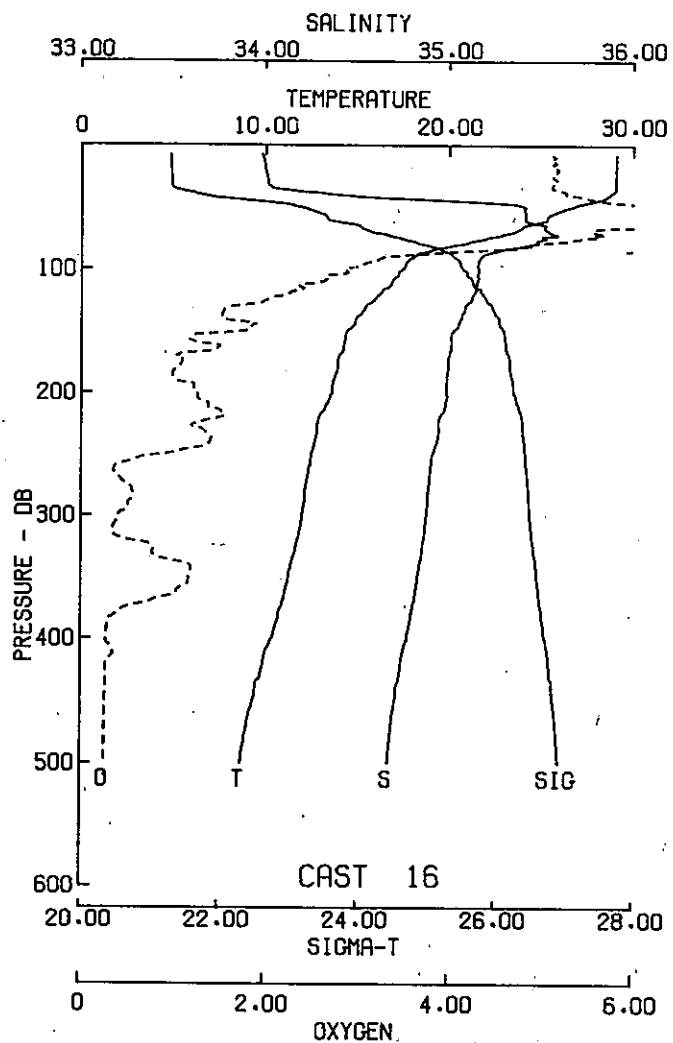
CAST 15
 DATE 31 MAY 83 TIME 0530 GMT
 LAT 7 06.15 LONG 005 00.0W WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 140 T SPD 09 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 27.2 WET 23.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DM-P)
0.	28.895	34.206	4.96	21.522	0.000
2.	28.898	34.223	4.96	21.533	
10.	28.913	34.241	5.01	21.539	.063
20.	28.912	34.244	5.03	21.544	.126
30.	28.867	34.253	5.00	21.546	.158
40.	28.844	34.273	5.09	21.588	.251
50.	28.823	34.282	5.09	21.602	.313
60.	28.984	34.330	5.77	22.987	.372
70.	25.537	35.617	6.38	23.661	.417
80.	23.042	35.712	5.59	24.467	.428
90.	22.113	35.599	6.41	24.728	.429
100.	21.673	35.587	6.03	24.938	.521
110.	19.938	35.339	4.57	25.313	.589
120.	16.911	35.182	2.92	25.693	.577
130.	15.274	35.103	2.02	25.938	.597
140.	15.140	35.059	1.38	25.803	.518
150.	14.475	35.014	1.11	26.114	.533
160.	14.104	35.003	.87	26.185	.577
170.	13.775	34.983	.69	26.238	.575
180.	13.582	34.972	.62	26.269	.594
190.	13.427	34.961	.56	26.294	.712
200.	13.377	34.951	.46	26.316	.735
220.	13.277	34.912	.54	26.434	.813
230.	13.233	34.866	.49	26.517	.897
240.	13.209	34.821	.33	26.617	.977
250.	13.398	34.769	.27	26.721	1.044
260.	13.467	34.710	.27	26.834	1.111
270.	13.658	34.657	.28	26.924	1.180
280.	13.622	34.601	.31	27.036	1.238
290.	13.591	34.571	.35	27.114	1.295
300.	13.535	34.553	.64	27.177	1.344
320.	13.523	34.543	.96	27.223	1.392
340.	13.525	34.537	1.13	27.262	1.424
360.	13.527	34.539	1.14	27.299	1.424
380.	13.514	34.536	1.39	27.328	1.526
400.	13.512	34.538	1.49	27.351	1.566
420.	13.513	34.538	1.76	27.377	1.615
440.	13.516	34.543	1.89	27.400	1.650
460.	13.543	34.543	1.88	27.402	

CAST EP2-83-RS-016 DATE 01 MAY 83 TIME 1400 GMT
LAT 6 00.0S LONG 095.00.0W

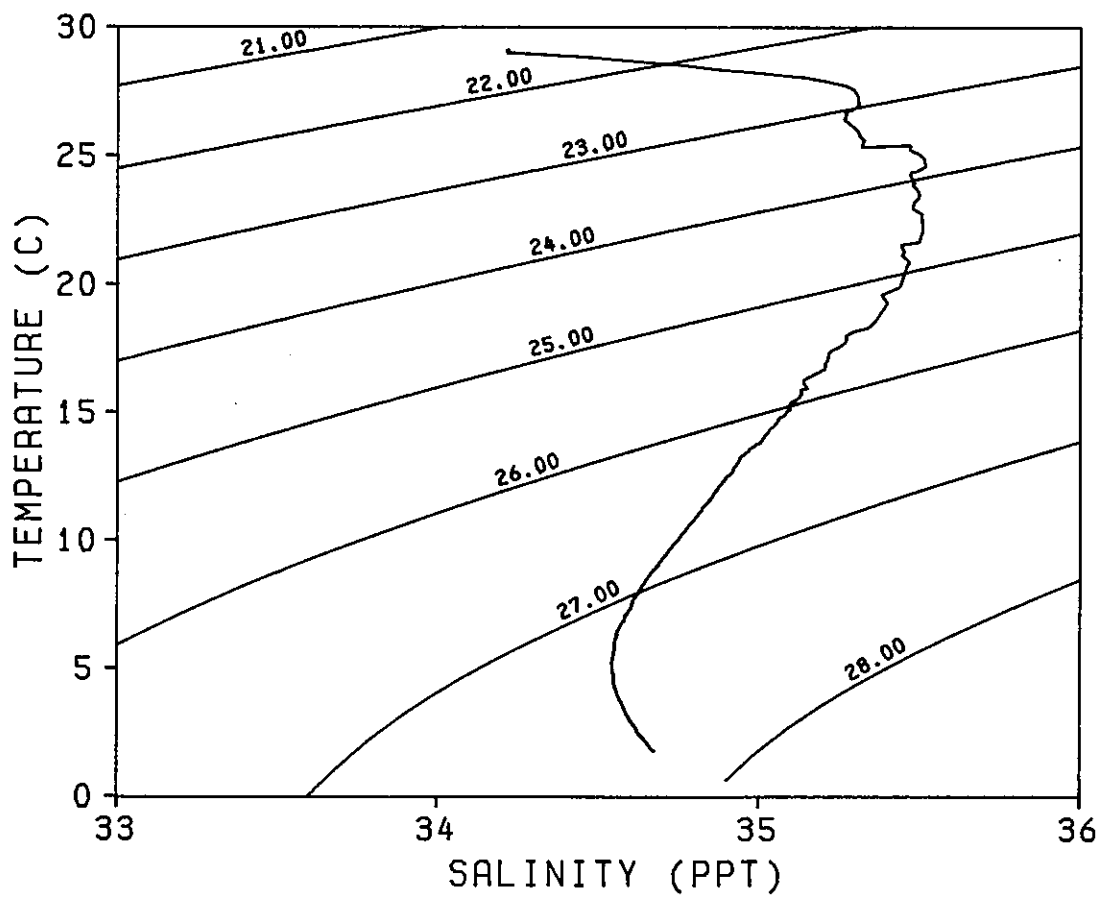


CAST 16-83-PS-016 DATE 01 MAY 83 TIME 1430 GMT
 LAT 5 00.0S LONG 195 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 29 WIND DIR 162 T SPD 59 KT VISIBILITY 7
 CLOUD 8 AMOUNT 1 DRY 27.0 WET 24.0 DEPTH M

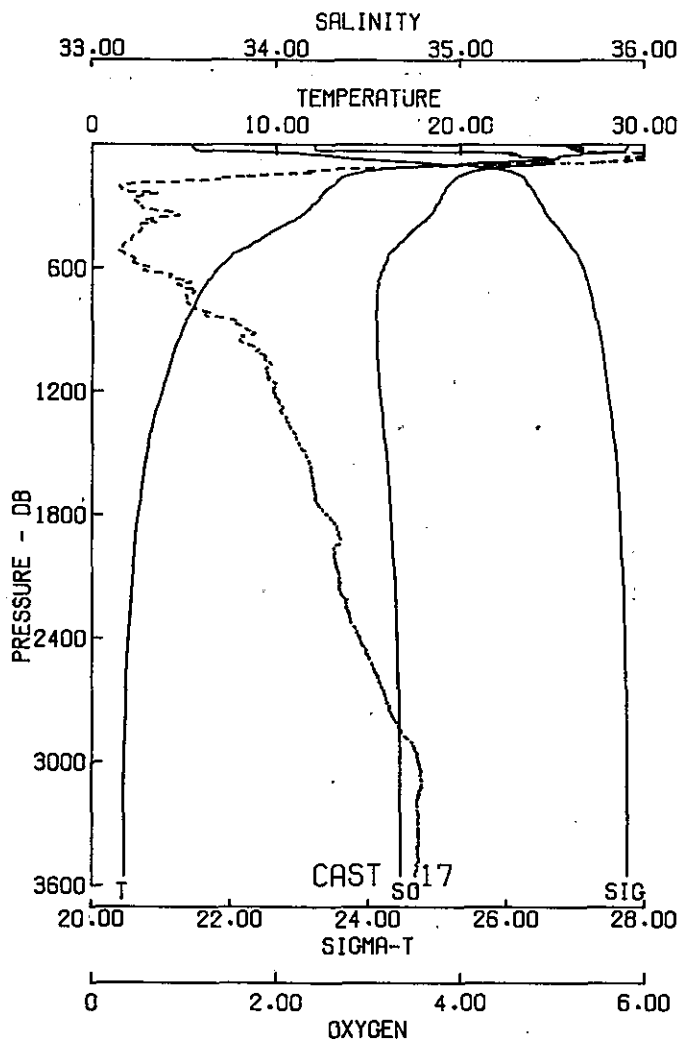


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-SI (DYN-CM)
8.	29.073	35.984	5.13	21.296	
10.	29.069	35.990	5.16	21.701	.065
20.	29.071	34.903	5.19	21.319	.136
30.	29.073	34.014	5.17	21.718	.195
40.	28.733	34.351	5.27	21.684	.256
50.	28.679	35.409	6.34	23.149	.314
60.	28.318	35.415	6.31	23.577	.358
70.	28.559	35.545	6.56	24.202	.390
80.	28.754	35.455	4.88	24.825	.432
90.	18.102	33.172	3.30	25.799	.460
100.	17.484	35.161	2.88	25.532	.486
110.	16.866	35.149	2.62	25.777	.510
120.	16.177	35.133	2.25	25.826	.533
130.	15.442	35.087	1.86	25.926	.554
140.	14.925	35.062	1.53	26.022	.575
150.	14.428	35.021	1.17	26.131	.595
160.	14.282	35.013	1.32	26.154	.614
170.	14.018	35.000	1.04	26.200	.633
180.	13.933	34.994	1.05	26.214	.652
190.	13.703	34.988	1.03	26.257	.670
200.	13.626	34.983	1.26	26.270	.688
250.	12.502	34.982	.93	26.433	.774
300.	12.017	34.877	.41	26.509	.856
350.	11.281	34.831	1.17	26.611	.934
400.	10.364	34.773	.29	26.731	1.008
450.	9.373	34.709	.27	26.849	1.075
500.	8.711	34.671	.26	26.926	1.139

CAST EP2-83-RS-017 DATE 02 MAY 83 TIME 0006 GMT
LAT 5 00.4S LONG 094 58.8W

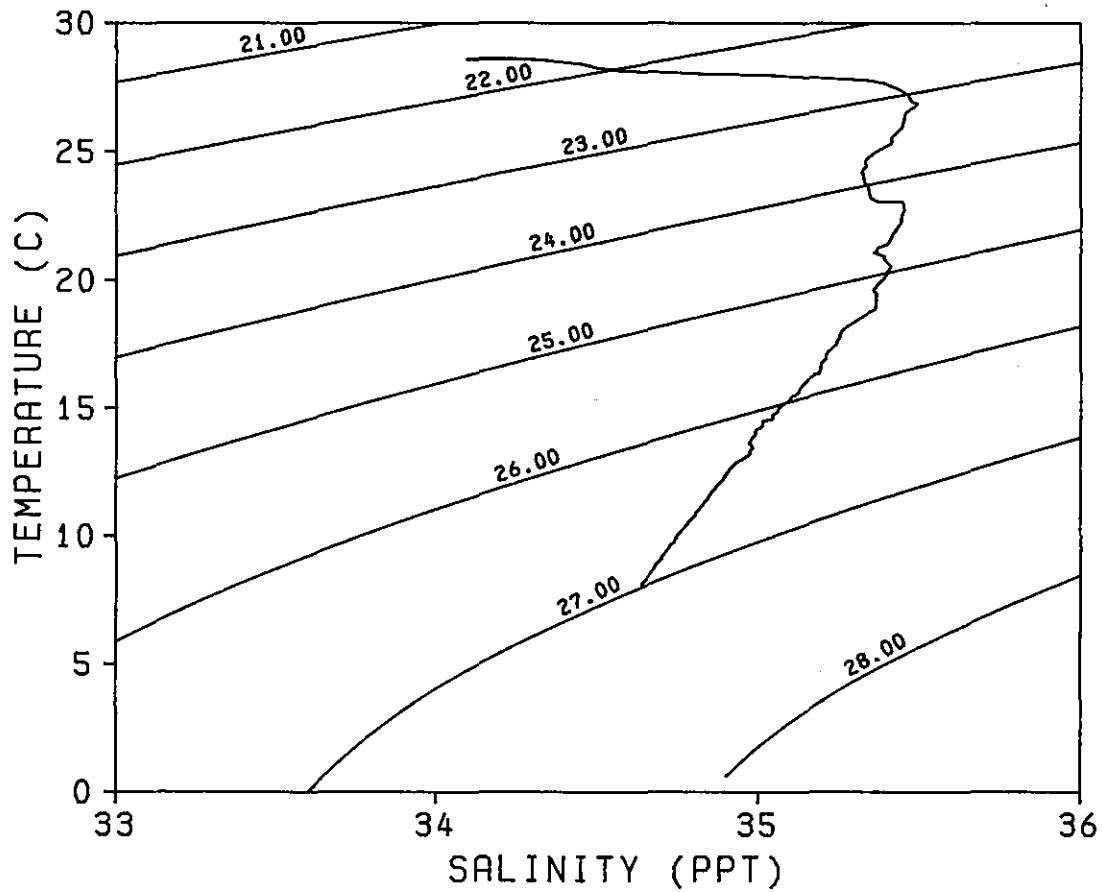


CAST FP2-83-RS-G17 DATE 02 MAY 83 TIME 0006 GMT
 LAT 5.00.4S LONG 394.58.W W/FATHER 1 SEA STATE 4
 BAROMETER 10 WIND 155 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 28.2 WET 24.8 DEPTH 3934 M

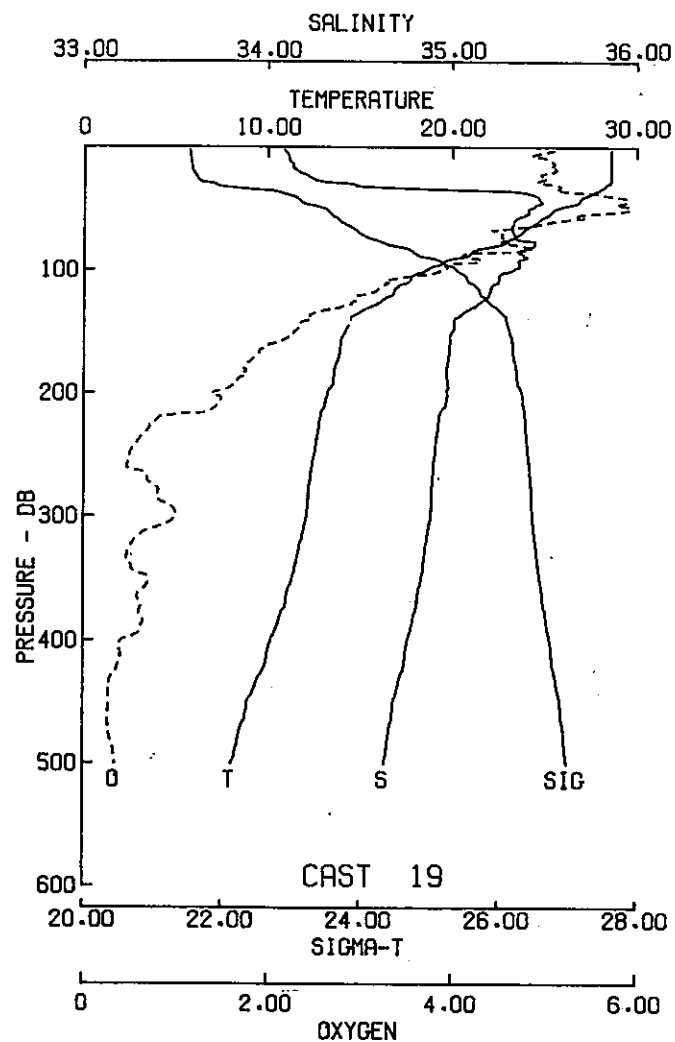


PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-ρ (DYN-M)
0	29.091	34.232	5.58	21.476	0.000
5	29.093	34.219	5.52	21.466	
10	29.097	34.213	5.49	21.462	.067
20	29.029	34.213	5.35	21.482	.127
30	29.979	34.215	5.29	21.500	.190
40	29.029	34.134	5.91	22.504	.251
50	26.388	34.262	6.10	23.128	.300
55	25.322	34.317	6.93	23.531	.346
70	25.157	34.476	6.94	23.677	.385
80	23.517	34.498	6.84	24.178	.429
90	21.257	34.451	6.88	24.784	.464
100	19.259	34.399	6.38	25.376	.494
110	17.420	34.231	6.55	25.507	.520
120	15.870	34.133	6.77	25.896	.543
130	14.959	34.081	6.41	25.906	.555
140	14.508	34.050	6.35	25.131	.583
150	14.046	34.016	6.91	26.207	.602
160	13.669	34.987	6.55	26.264	.620
170	13.545	34.969	6.39	26.275	.638
180	13.380	34.959	6.97	26.301	.656
190	13.297	34.949	6.46	26.311	.674
200	13.125	34.936	6.34	26.336	.692
220	12.482	34.901	6.55	26.436	.776
230	11.920	34.866	6.53	26.518	.858
250	11.349	34.831	6.84	26.598	.936
300	10.293	34.764	6.53	26.736	1.010
350	9.390	34.709	6.44	26.846	1.077
400	8.498	34.654	6.33	26.946	1.140
450	7.547	34.608	6.45	27.054	1.198
500	6.957	34.583	6.61	27.117	1.252
550	6.508	34.564	6.86	27.163	1.303
600	6.069	34.554	1.03	27.213	1.352
700	5.770	34.552	1.04	27.249	1.399
800	5.516	34.549	1.14	27.278	1.445
850	5.185	34.544	1.47	27.314	1.489
900	4.928	34.545	1.68	27.344	1.532
950	4.728	34.550	1.61	27.371	1.573
1000	4.494	34.549	1.81	27.397	1.614
1500	3.003	34.599	2.31	27.587	1.963
2000	2.329	34.638	2.63	27.676	2.245
2500	1.941	34.663	3.01	27.722	2.495
3000	1.775	34.674	3.55	27.749	2.735
3500	1.780	34.675	3.52	27.750	2.977
3556	1.785	34.675	3.52	27.750	

CAST EP2-83-RS-019 DATE 02 MAY 83 TIME 0918 GMT
LAT 4 30.0S LONG 095 00.0W

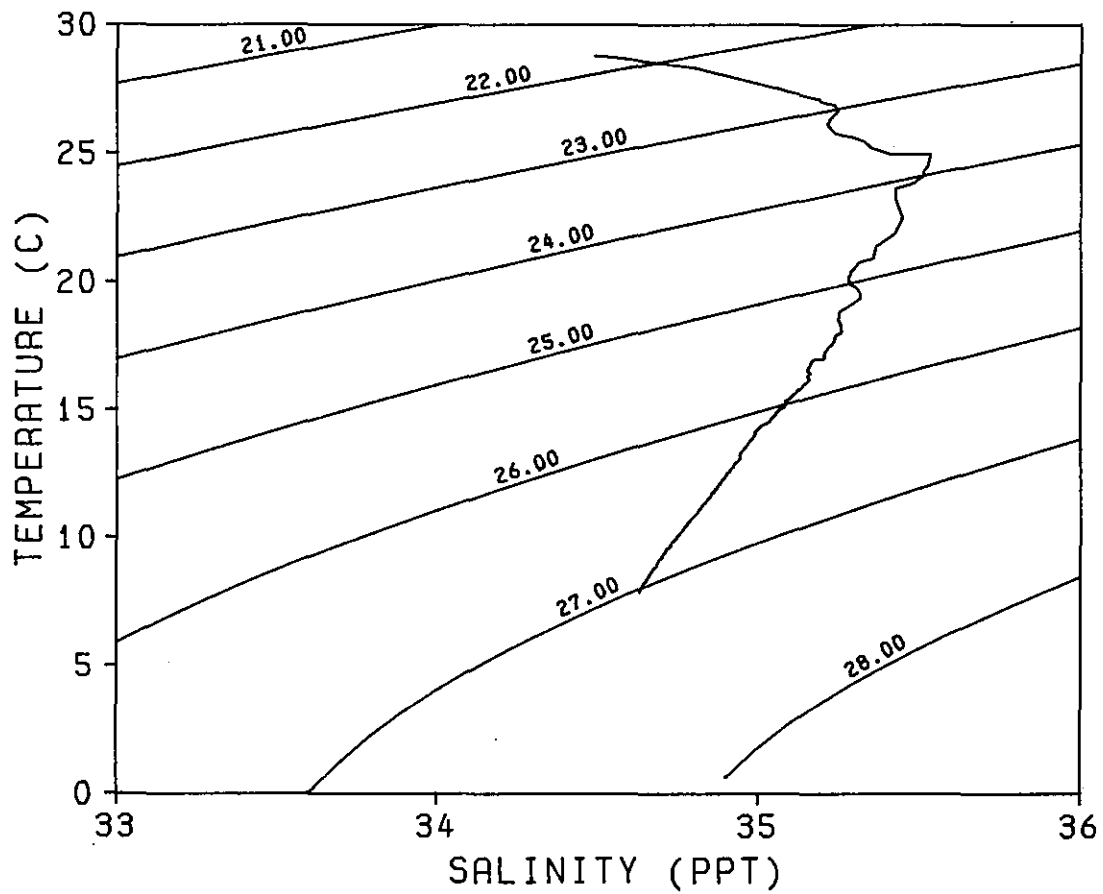


CAST EP2-P3-RS-019 DATE 02 MAY 83 TIME 0918 GMT
 LAT 4 39.85 LONG 99S 00.0W WEATHFR 1 SEA STATE 4
 BAROMETER 10 WIND DIR 110 T SPD 11 KT VISIBILITY 7
 CLOUD 4 AMOUNT 3 DRY 24.8 WET 28.0 DEPTH M

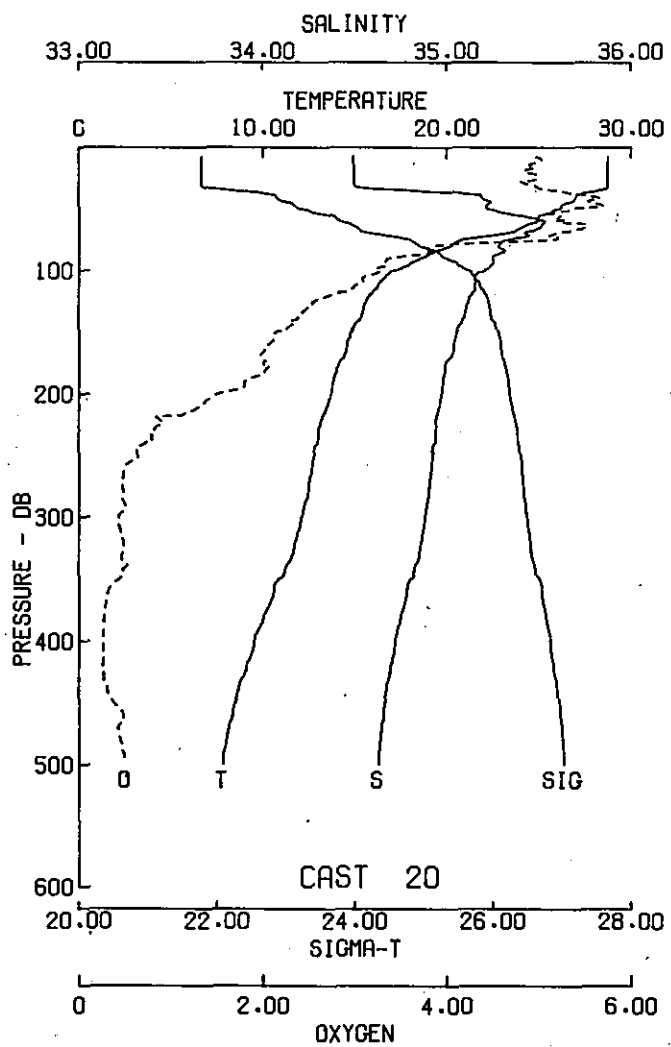


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-S (OYN-M)
9.0	28.599	34.074	5.28	21.521	0.000
5.0	28.605	34.090	5.10	21.501	
10.0	28.605	34.116	5.03	21.550	.067
20.0	28.515	34.165	5.11	21.583	.125
30.0	28.397	34.444	5.05	21.865	.187
40.0	27.188	35.463	5.73	23.024	.241
50.0	25.723	35.427	5.93	23.460	.288
60.0	24.711	35.337	5.17	23.702	.332
70.0	23.740	35.330	4.52	23.986	.372
80.0	22.498	35.441	4.73	24.420	.410
90.0	20.511	35.409	4.16	24.954	.443
100.0	18.608	35.332	3.92	25.391	.471
110.0	17.632	35.243	3.26	25.568	.496
120.0	16.762	35.201	3.95	25.740	.510
130.0	15.552	35.123	2.81	25.958	.541
140.0	14.477	35.011	2.43	26.111	.562
150.0	14.204	35.001	2.29	26.162	.581
160.0	13.949	34.987	2.08	26.205	.600
170.0	13.856	34.981	1.86	26.220	.619
180.0	13.626	34.970	1.74	26.250	.637
190.0	13.578	34.976	1.67	26.274	.653
200.0	13.242	34.972	1.41	26.340	.673
220.0	12.538	34.906	.50	26.429	.758
240.0	12.190	34.883	1.60	26.497	.840
260.0	11.327	34.833	.79	26.604	.919
280.0	10.179	34.758	.41	26.751	.992
300.0	9.911	34.682	.28	26.803	1.058
350.0	9.057	34.634	.34	26.898	1.118
400.0	8.035	34.635	.35	27.002	

CAST EP2-83-RS-020 DATE 02 MAY 83 TIME 1421 GMT
LAT 4 00.0S LONG 095 00.0W

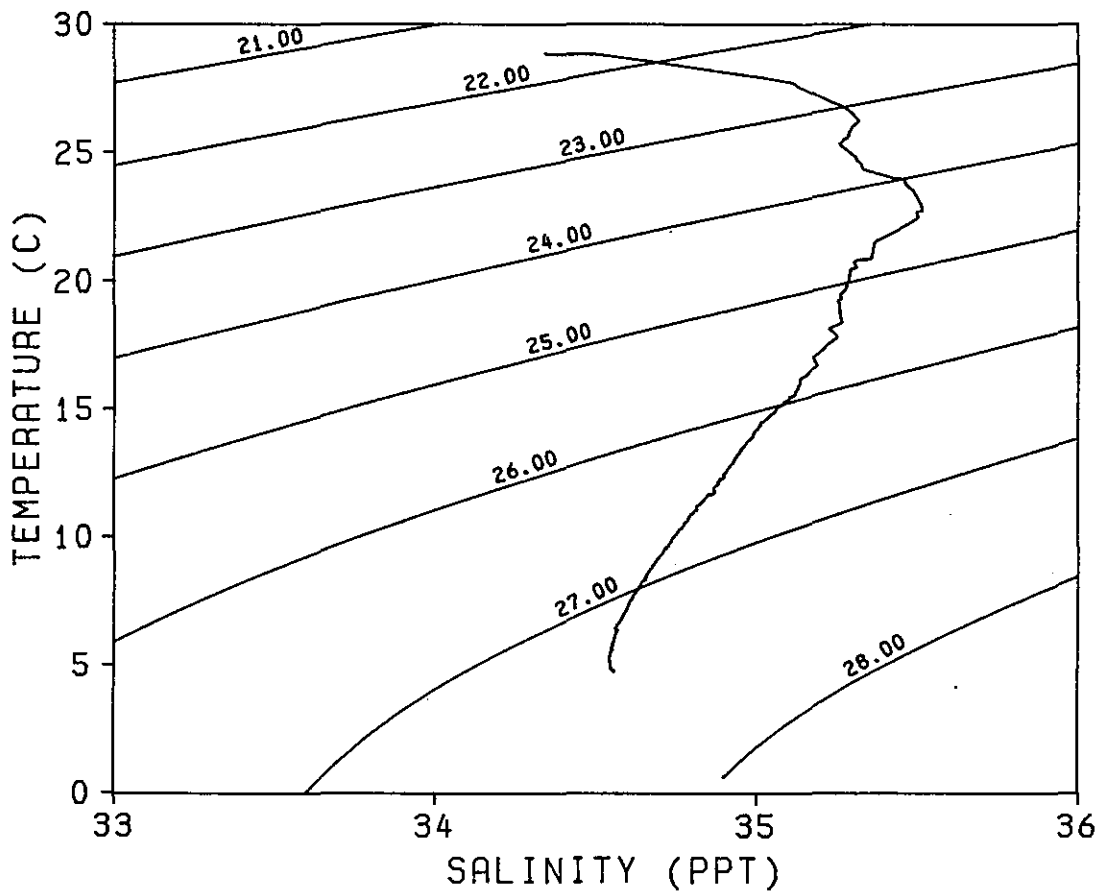


CAST EP2-R3-RS-020 DATE 03 MAY 83 TIME 1421 GMT
 LAT 4 00.0S LONG 095 00.0W WEATHER 2 SEA STATE 4
 PARAMETER 00 WIND DIR 147 T SPD 13 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 28.0 WET 25.5 DEPTH 3720 M

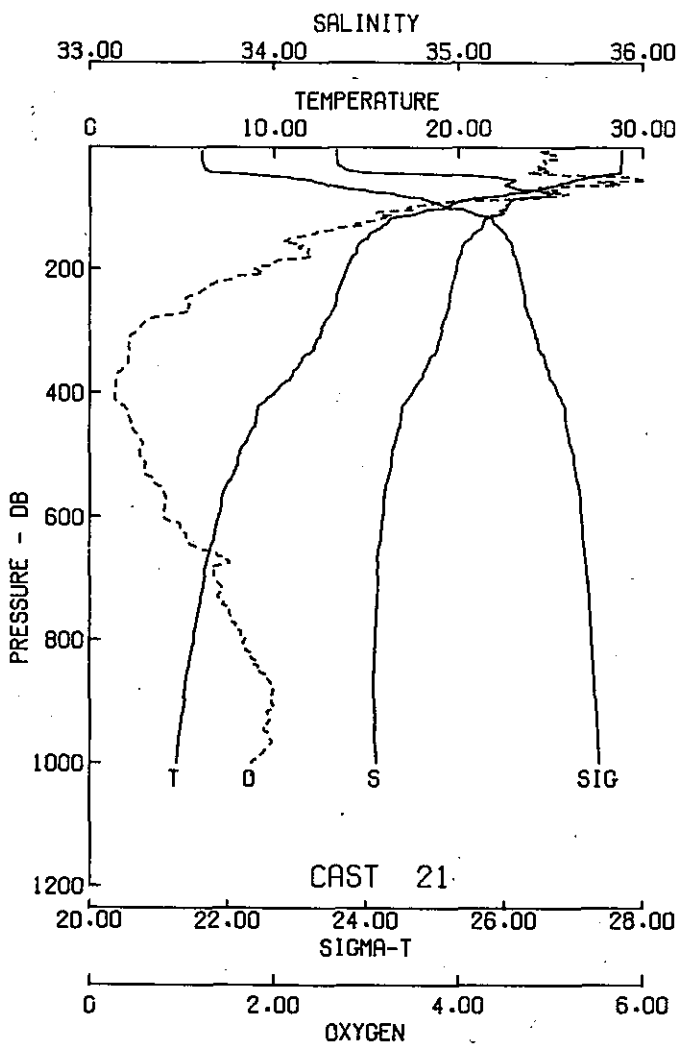


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-F)
8.	28.758	34.492	4.98	21.782	
10.	28.759	34.493	5.04	21.782	.060
20.	28.758	34.498	4.84	21.786	.121
30.	28.761	34.510	4.87	21.787	.181
40.	27.343	35.188	5.60	22.864	.238
50.	26.120	35.210	5.41	23.173	.288
60.	24.951	35.533	5.19	23.776	.337
70.	23.211	35.422	5.23	24.210	.370
80.	22.260	35.284	3.96	24.925	.402
90.	18.523	35.248	3.41	25.323	.441
100.	17.209	35.203	3.26	25.637	.486
110.	16.344	35.156	3.08	25.804	.479
120.	15.937	35.134	2.74	25.904	.501
130.	15.504	35.105	2.49	25.958	.523
140.	15.308	35.083	2.37	25.985	.543
150.	14.803	35.051	2.13	26.071	.564
160.	14.559	35.037	2.07	26.114	.583
170.	14.422	35.022	1.99	26.131	.603
180.	14.016	34.990	2.04	26.193	.622
190.	13.835	34.980	1.81	26.223	.641
200.	13.733	34.972	1.54	26.239	.650
250.	12.785	34.920	.64	26.392	.747
300.	12.113	34.882	.44	26.494	.831
350.	11.837	34.801	.44	26.668	.909
400.	11.539	34.718	.27	26.828	.978
450.	11.453	34.661	.28	26.958	1.041
500.	7.845	34.636	.52	27.025	1.099

CAST EP2-83-RS-021 DATE 03 MAY 83 TIME 0157 GMT
LAT 3 36.4S LONG 095 01.1W



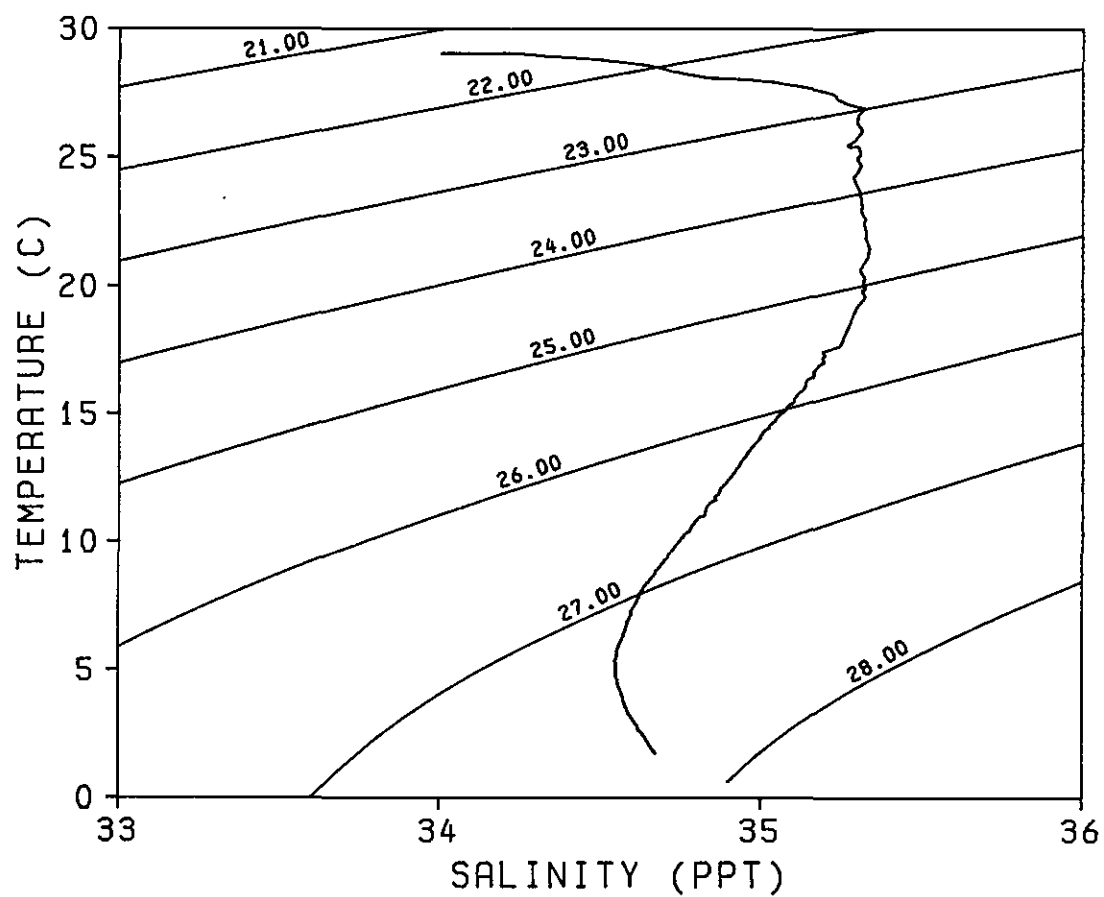
CAST 500-83-RS-121 DATE 03 MAY 83 TIME 0157 GMT
 LAT 33.45 LONG 119.01 W WEATHER 2 SEA STATE 4
 BAROMETER 10 WIND DIR 160 T SPD 12 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 24.0 WET 26.0 DEPTH M



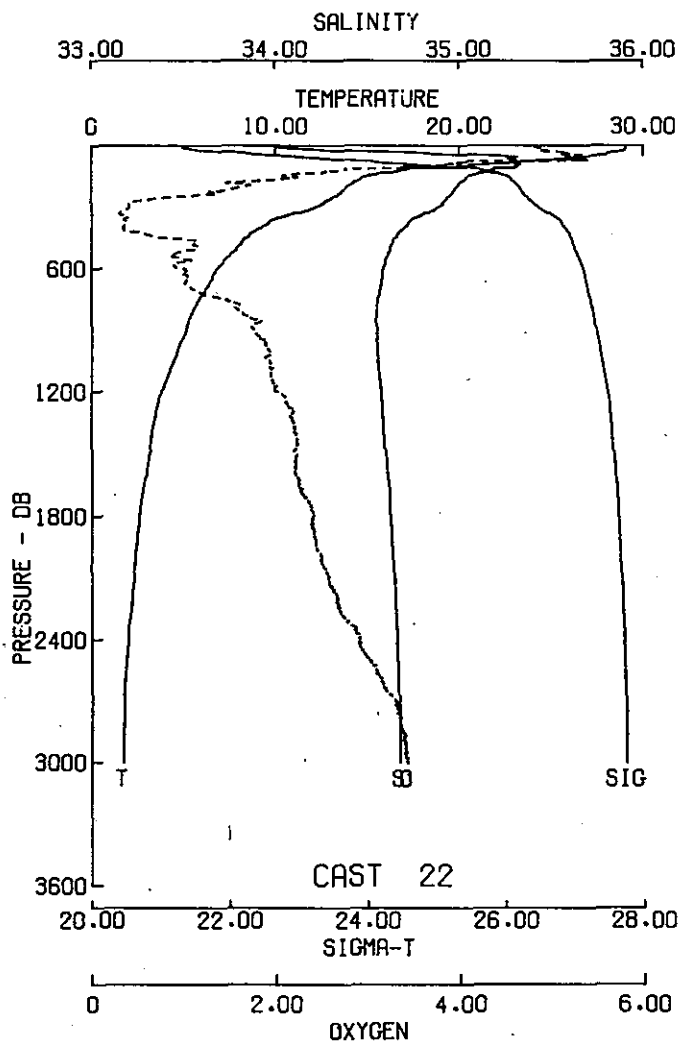
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	28.875	34.342	5.23	21.630	0.000
5.	28.871	34.342	4.97	21.631	
10.	28.868	34.342	4.93	21.633	0.062
20.	28.868	34.343	4.97	21.634	0.124
30.	28.817	34.344	4.91	21.655	0.182
40.	28.828	34.454	4.98	21.730	0.247
50.	28.855	35.226	5.90	22.918	0.303
60.	28.855	35.226	5.72	23.403	0.358
70.	28.868	35.545	5.08	23.991	0.413
80.	28.868	35.545	5.03	24.539	0.468
90.	28.855	35.545	3.84	25.006	0.491
100.	28.824	35.545	3.43	25.171	0.517
110.	28.631	35.545	3.14	25.556	0.544
120.	28.183	35.545	3.12	25.827	0.562
130.	28.446	35.545	2.83	25.896	0.583
140.	28.999	35.099	2.47	25.992	0.583
150.	28.557	35.557	2.15	26.027	0.600
160.	28.474	35.557	2.28	26.102	0.622
170.	28.474	35.557	2.37	26.115	0.643
180.	28.242	35.557	2.36	26.157	0.662
190.	28.242	34.999	2.00	26.180	0.681
200.	28.242	34.999	1.79	26.207	0.700
250.	28.352	34.999	1.03	26.293	0.742
300.	28.443	34.999	0.51	26.428	0.779
350.	28.443	34.999	0.22	26.581	0.800
400.	28.356	34.749	0.27	26.768	0.834
450.	28.356	34.749	0.46	26.899	0.868
500.	28.413	34.588	0.54	26.996	0.899
550.	28.413	34.588	0.75	27.068	0.915
600.	28.202	34.588	0.81	27.116	0.927
650.	28.216	34.588	1.18	27.156	0.932
700.	28.216	34.588	1.38	27.200	0.947
750.	28.230	34.588	1.52	27.233	0.961
800.	28.254	34.588	1.68	27.263	0.965
850.	28.266	34.588	1.85	27.295	0.971
900.	28.146	34.588	1.97	27.317	0.975
950.	28.276	34.588	1.94	27.352	0.977
1000.	28.276	34.588	1.76	27.379	0.979

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CAST EP2-83-RS-022 DATE 03 MAY 83 TIME 0806 GMT
LAT 2 59.1S LONG 095 00.8W

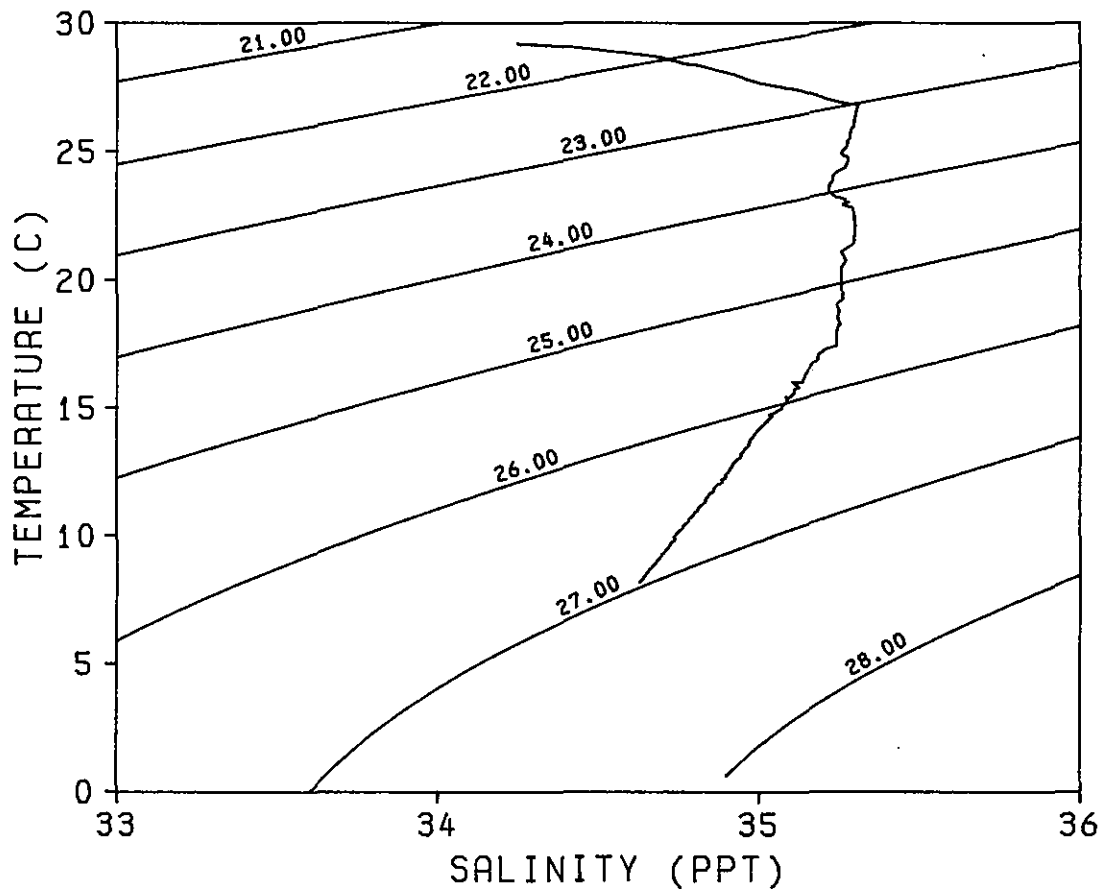


CAST 22-83-RS-022 DATE 07 MAY 83 TIME 0006 GMT
 LAT 25.15 LONG 095 00.8W WEATHER 2 SEA STATE 4
 BAROMETER 11 WIND DIR 130 T SPD 10 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 27.5 WET 25.0 DEPTH 3355 M

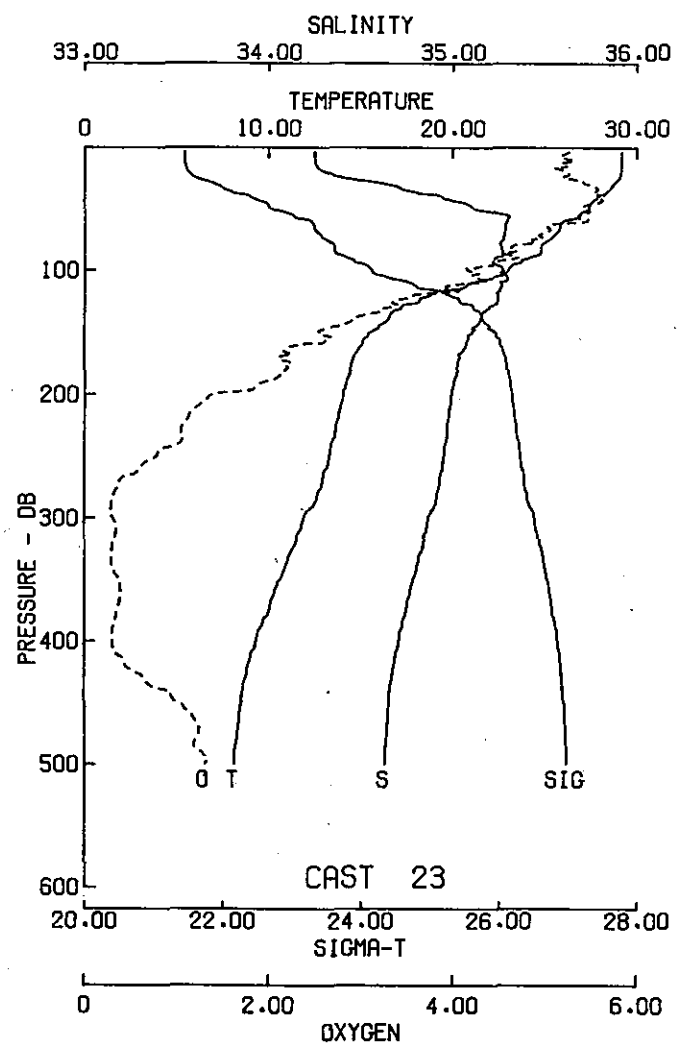


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.026	34.002	4.69	21.325	0.000
2.	29.473	34.003	4.71	21.323	
10.	29.958	34.012	4.86	21.324	.06
20.	29.958	34.198	4.92	21.461	.12
30.	29.829	34.454	4.94	21.730	.19
40.	29.684	34.834	5.19	22.261	.24
50.	29.584	35.149	5.34	22.620	.27
60.	29.560	35.300	5.24	22.770	.34
70.	29.566	35.300	5.28	22.834	.40
80.	29.566	35.300	5.10	22.988	.44
90.	29.598	35.324	4.92	23.054	.47
100.	29.598	35.316	4.92	23.116	.51
110.	29.598	35.293	4.92	23.177	.54
120.	29.591	35.193	4.92	23.238	.55
130.	29.533	35.160	4.92	23.299	.56
140.	29.533	35.160	4.92	23.360	.57
150.	29.533	35.160	4.92	23.421	.58
160.	29.533	35.160	4.92	23.482	.59
170.	29.533	35.160	4.92	23.543	.60
180.	29.533	35.160	4.92	23.604	.61
190.	29.533	35.160	4.92	23.665	.62
200.	29.533	35.160	4.92	23.726	.63
210.	29.533	35.160	4.92	23.787	.64
220.	29.533	35.160	4.92	23.848	.65
230.	29.533	35.160	4.92	23.909	.66
240.	29.533	35.160	4.92	23.970	.67
250.	29.533	35.160	4.92	24.031	.68
260.	29.533	35.160	4.92	24.092	.69
270.	29.533	35.160	4.92	24.153	.70
280.	29.533	35.160	4.92	24.214	.71
290.	29.533	35.160	4.92	24.275	.72
300.	29.533	35.160	4.92	24.336	.73
310.	29.533	35.160	4.92	24.397	.74
320.	29.533	35.160	4.92	24.458	.75
330.	29.533	35.160	4.92	24.519	.76
340.	29.533	35.160	4.92	24.580	.77
350.	29.533	35.160	4.92	24.641	.78
360.	29.533	35.160	4.92	24.702	.79
370.	29.533	35.160	4.92	24.763	.80
380.	29.533	35.160	4.92	24.824	.81
390.	29.533	35.160	4.92	24.885	.82
400.	29.533	35.160	4.92	24.946	.83
410.	29.533	35.160	4.92	25.007	.84
420.	29.533	35.160	4.92	25.068	.85
430.	29.533	35.160	4.92	25.129	.86
440.	29.533	35.160	4.92	25.190	.87
450.	29.533	35.160	4.92	25.251	.88
460.	29.533	35.160	4.92	25.312	.89
470.	29.533	35.160	4.92	25.373	.90
480.	29.533	35.160	4.92	25.434	.91
490.	29.533	35.160	4.92	25.495	.92
500.	29.533	35.160	4.92	25.556	.93
510.	29.533	35.160	4.92	25.617	.94
520.	29.533	35.160	4.92	25.678	.95
530.	29.533	35.160	4.92	25.739	.96
540.	29.533	35.160	4.92	25.800	.97
550.	29.533	35.160	4.92	25.861	.98
560.	29.533	35.160	4.92	25.922	.99
570.	29.533	35.160	4.92	25.983	1.00
580.	29.533	35.160	4.92	26.044	1.01
590.	29.533	35.160	4.92	26.105	1.02
600.	29.533	35.160	4.92	26.166	1.03
610.	29.533	35.160	4.92	26.227	1.04
620.	29.533	35.160	4.92	26.288	1.05
630.	29.533	35.160	4.92	26.349	1.06
640.	29.533	35.160	4.92	26.410	1.07
650.	29.533	35.160	4.92	26.471	1.08
660.	29.533	35.160	4.92	26.532	1.09
670.	29.533	35.160	4.92	26.593	1.10
680.	29.533	35.160	4.92	26.654	1.11
690.	29.533	35.160	4.92	26.715	1.12
700.	29.533	35.160	4.92	26.776	1.13
710.	29.533	35.160	4.92	26.837	1.14
720.	29.533	35.160	4.92	26.898	1.15
730.	29.533	35.160	4.92	26.959	1.16
740.	29.533	35.160	4.92	27.020	1.17
750.	29.533	35.160	4.92	27.081	1.18
760.	29.533	35.160	4.92	27.142	1.19
770.	29.533	35.160	4.92	27.203	1.20
780.	29.533	35.160	4.92	27.264	1.21
790.	29.533	35.160	4.92	27.325	1.22
800.	29.533	35.160	4.92	27.386	1.23
810.	29.533	35.160	4.92	27.447	1.24
820.	29.533	35.160	4.92	27.508	1.25
830.	29.533	35.160	4.92	27.569	1.26
840.	29.533	35.160	4.92	27.630	1.27
850.	29.533	35.160	4.92	27.691	1.28
860.	29.533	35.160	4.92	27.752	1.29
870.	29.533	35.160	4.92	27.813	1.30
880.	29.533	35.160	4.92	27.874	1.31
890.	29.533	35.160	4.92	27.935	1.32
900.	29.533	35.160	4.92	27.996	1.33
910.	29.533	35.160	4.92	28.057	1.34
920.	29.533	35.160	4.92	28.118	1.35
930.	29.533	35.160	4.92	28.179	1.36
940.	29.533	35.160	4.92	28.240	1.37
950.	29.533	35.160	4.92	28.301	1.38
960.	29.533	35.160	4.92	28.362	1.39
970.	29.533	35.160	4.92	28.423	1.40
980.	29.533	35.160	4.92	28.484	1.41
990.	29.533	35.160	4.92	28.545	1.42
1000.	29.533	35.160	4.92	28.606	1.43
1010.	29.533	35.160	4.92	28.667	1.44
1020.	29.533	35.160	4.92	28.728	1.45
1030.	29.533	35.160	4.92	28.789	1.46
1040.	29.533	35.160	4.92	28.850	1.47
1050.	29.533	35.160	4.92	28.911	1.48
1060.	29.533	35.160	4.92	28.972	1.49
1070.	29.533	35.160	4.92	29.033	1.50
1080.	29.533	35.160	4.92	29.094	1.51
1090.	29.533	35.160	4.92	29.155	1.52
1100.	29.533	35.160	4.92	29.216	1.53
1110.	29.533	35.160	4.92	29.277	1.54
1120.	29.533	35.160	4.92	29.338	1.55
1130.	29.533	35.160	4.92	29.399	1.56
1140.	29.533	35.160	4.92	29.460	1.57
1150.	29.533	35.160	4.92	29.521	1.58
1160.	29.533	35.160	4.92	29.582	1.59
1170.	29.533	35.160	4.92	29.643	1.60
1180.	29.533	35.160	4.92	29.704	1.61
1190.	29.533	35.160	4.92	29.765	1.62
1200.	29.533	35.160	4.92	29.826	1.63
1210.	29.533	35.160	4.92	29.887	1.64
1220.	29.533	35.160	4.92	29.948	1.65
1230.	29.533	35.160	4.92	30.009	1.66
1240.	29.533	35.160	4.92	30.070	1.67
1250.	29.533	35.160	4.92	30.131	1.68
1260.	29.533	35.160	4.92	30.192	1.69
1270.	29.533	35.160	4.92	30.253	1.70
1280.	29.533	35.160	4.92	30.314	1.71
1290.	29.533	35.160	4.92	30.375	1.72
1300.	29.533	35.160	4.92	30.436	1.73
1310.	29.533	35.160	4.92	30.497	1.74
1320.	29.533	35.160	4.92	30.558	1.75
1330.	29.533	35.160	4.92	30.619	1.76
1340.	29.533	35.160	4.92	30.680	1.77
1350.	29.533	35.160	4.92	30.741	1.78
1360.	29.533	35.160	4.92	30.802	1.79
1370.	29.533	35.160	4.92	30.863	1.80
1380.	29.533	35.160	4.92	30.924	1.81
1390.	29.533	35.160	4.92	30.985	1.82
1400.	29.533	35.160	4.92	31.046	1.83
1410.	29.533	35.160	4.92	31.107	1.84
1420.	29.533	35.160	4.92	31.168	1.85
1430.	29.533	35.160	4.92	31.229	1.86
1440.	29.533	35.160	4.92	31.290	1.87
1450.	29.533	35.160	4.92	31.351	1.88
1460.	29.533	35.160	4.92	31.412	1.89
1470.	29.533	35.160	4.92	31.473	1.90
1480.	29.533	35.160	4.92	31.534	1.91
1490.	29.533	35.160	4.92	31.595	1.92
1500.	29.533	35.160	4.92	31.656	1.93
1510.	29.533	35.160	4.92	31.717	1.94
1520.	29.533	35.160	4.92	31.778	1.95
1530.	29.533	35.160	4.92	31.839	1.96
1540.	29.533	35.160	4.92	31.900	1.97
1550.	29.533	35.160	4.92	31.961	1.98
1560.	29.533	35.160	4.92	32.022	1.99
1570.	29.533	35.160	4.92	32.083	2.00
1580.	29.533	35.160	4.92	32.144	2.01
1590.	29.533	35.160	4.92	32.205	2.02
1600.	29.533	35.160	4.92	32.266	2.03
1610.	29.533	35.160	4.92	32.327	2.04
1620.	29.533	35.160	4.92	32.388	2.05
1630.	29.533	35.160	4.92	32.449	2.06
1640.	29.533	35.160	4.92	32.510	2.07
1650.	29.533	35.160	4.92	32.571	2.08
1660.	29.533	35.160	4.92	32.632	2.09
1670.	29.533	35.160	4.92	32.693	2.10
1680.	29.533	35.160	4.92	32.754	2.11
1690.	29.533	35.160	4.92	32.815	2.12
1700.	29.533	35.160	4.92	32.876	2.13
1710.	29.533	35.160	4.92	32.937	2.14
1720.	29.533	35.160	4.92	32.998	2.15
1730.	29.533	35.160	4.92	33.059	2.16
1740.	29.533	35.160	4.92	33.120	2.17
1750.	29.533	35.160	4.92	33.181	2.18
1760.	29.533	35.160	4.92	33.242	2.19
1770.	29.533	35.160	4.92	33.303	2.20
1780.	29.533	35.160	4.92	33.364	2.21
1790.	29.533	35.160	4.92	33.425	2.22
1800.	29.533	35.160	4.92	33.486	2.23
1810.	29.533	35.160	4.92	33.547	2.24
1820.	29.533	35.160	4.92	33.608	2.25
1830.	29.533	35.160	4.92	33.669	2.26
1840.	29.533	35.160	4.92	33.730	2.27
1850.	29.5				

CAST EP2-83-RS-023 DATE 03 MAY 83 TIME 1608 GMT
LAT 2 30.0S LONG 095 00.0W



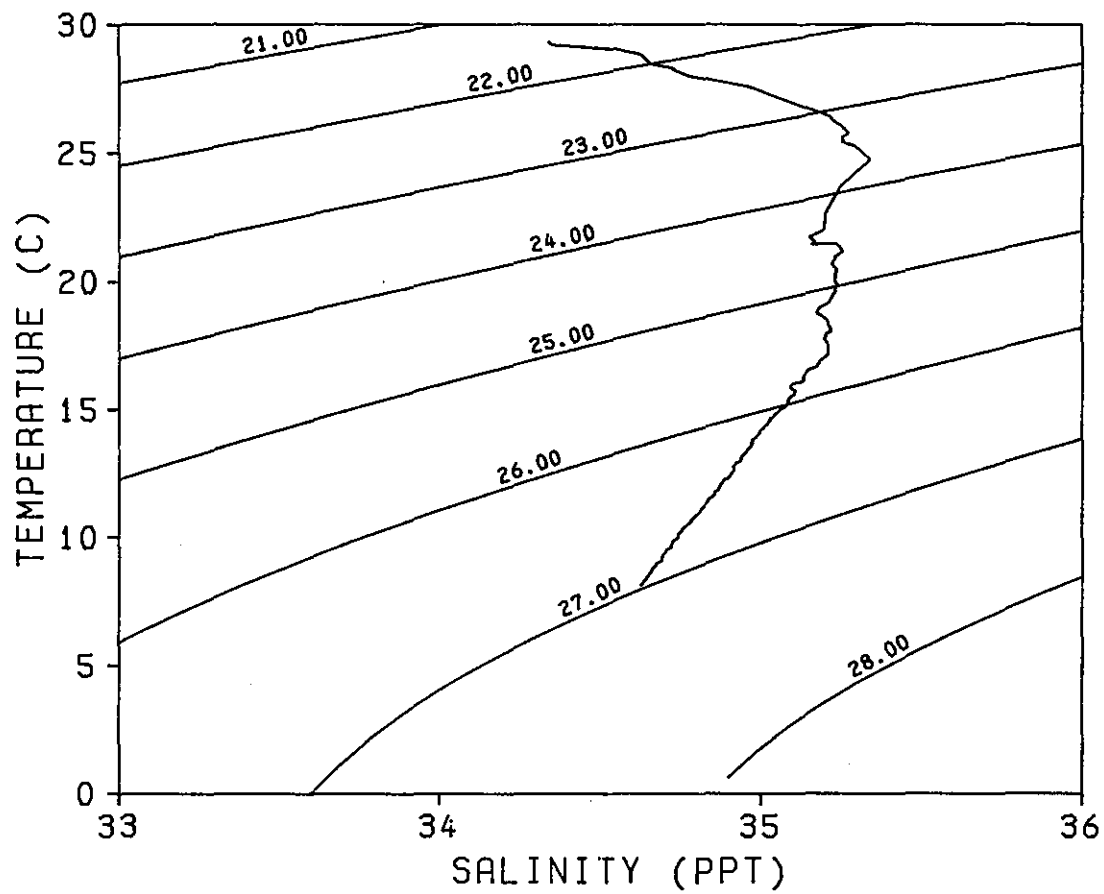
CAST FP2-83-RS-023 DATE 03 MAY 83 TIME 1608 GMT
 LAT 23 30.0S LONG 139 00.0W WEATHER 2 SEA STATE 4
 BAROMETER 11 WIND DIR 160 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 DPY 28.1 WET 26.3 DEPTH M



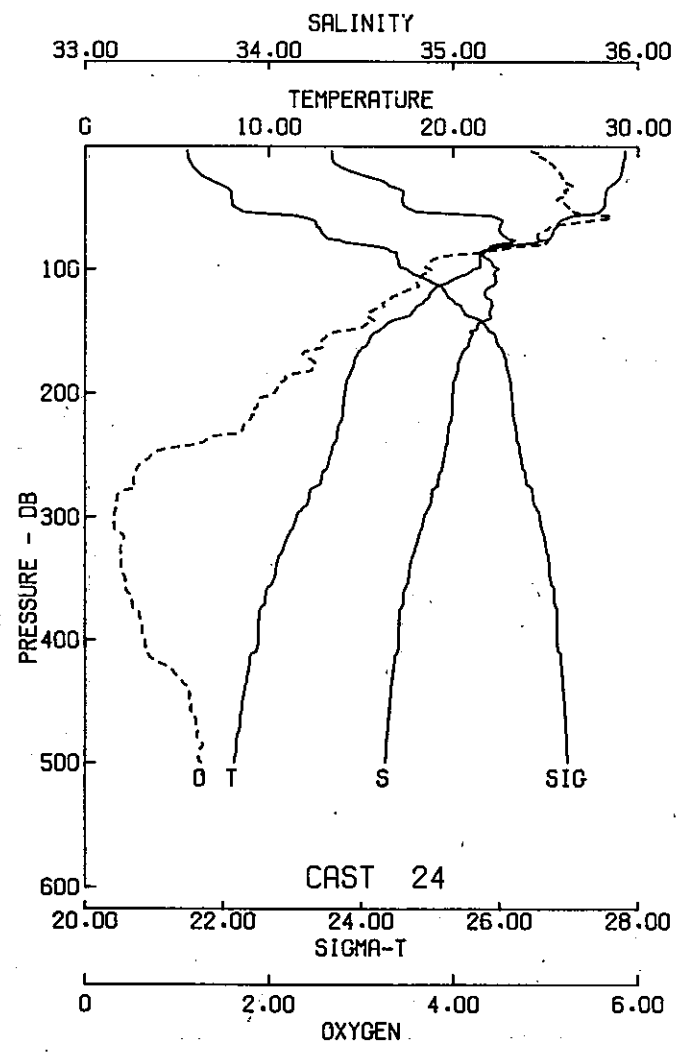
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.187	34.252	5.78	21.458	0.300
4.	29.189	34.253	5.26	21.458	
10.	29.190	34.254	5.25	21.458	.064
20.	29.151	34.300	5.23	21.506	.127
30.	28.762	34.627	5.45	21.881	.189
40.	27.907	34.938	5.53	22.396	.246
50.	27.397	35.115	5.46	22.696	.299
60.	25.988	35.292	5.46	23.276	.349
70.	25.626	35.280	4.99	23.379	.394
80.	24.801	35.260	4.66	23.517	.430
90.	24.164	35.238	4.52	23.792	.482
100.	22.979	35.272	4.17	24.164	.521
110.	21.074	35.254	4.29	24.535	.558
120.	19.798	35.246	3.59	25.277	.588
130.	17.214	35.198	3.34	25.632	.614
140.	16.466	35.150	3.21	25.772	.637
150.	15.591	35.108	3.56	25.946	.659
160.	15.113	35.075	3.33	26.021	.682
170.	14.528	35.038	3.13	26.100	.706
180.	14.460	35.024	3.19	26.124	.719
190.	14.212	35.004	3.96	26.162	.730
200.	14.050	35.991	4.42	26.187	.750
250.	13.298	35.951	4.78	26.312	.850
300.	11.929	35.866	4.32	26.517	.936
350.	10.614	35.783	4.38	26.694	1.012
400.	9.337	35.707	4.41	26.854	1.079
450.	8.509	35.652	4.00	26.943	1.141
500.	8.150	35.631	4.31	26.981	1.201

295

CAST EP2-83-RS-024 DATE 03 MAY 83 TIME 2010 GMT
LAT 2 00.0S LONG 095 00.0W



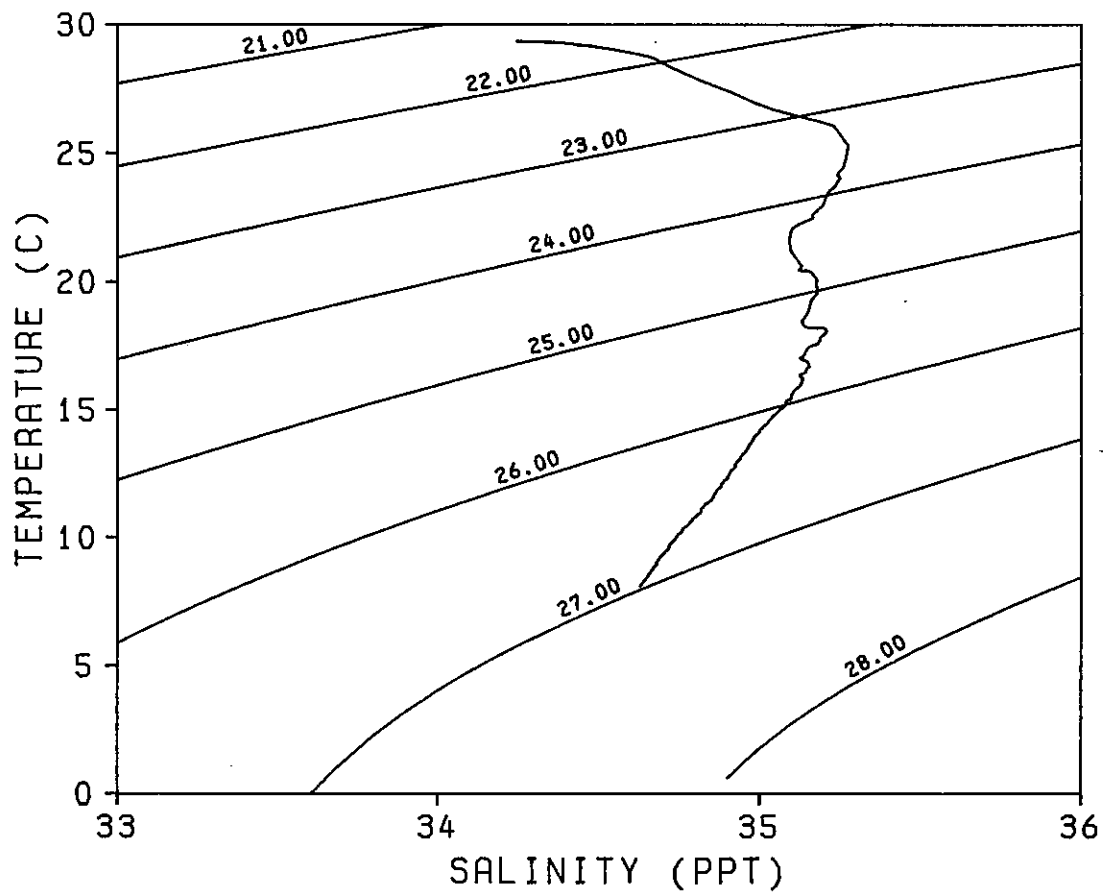
CAST EP2-R3-RS-024 DATE 03 MAY 83 TIME 2010 GMT
 LAT 22.00 LONG 125.00.0W WEATHFR F SEA STAFF 4
 PAROYFTR 13 WIND DIR 255 T SPD 10 KT VISIBILITY 7
 CLOUD 7 AMOUNT 9 DRY 27.5 WET 25.5 DEPTH M



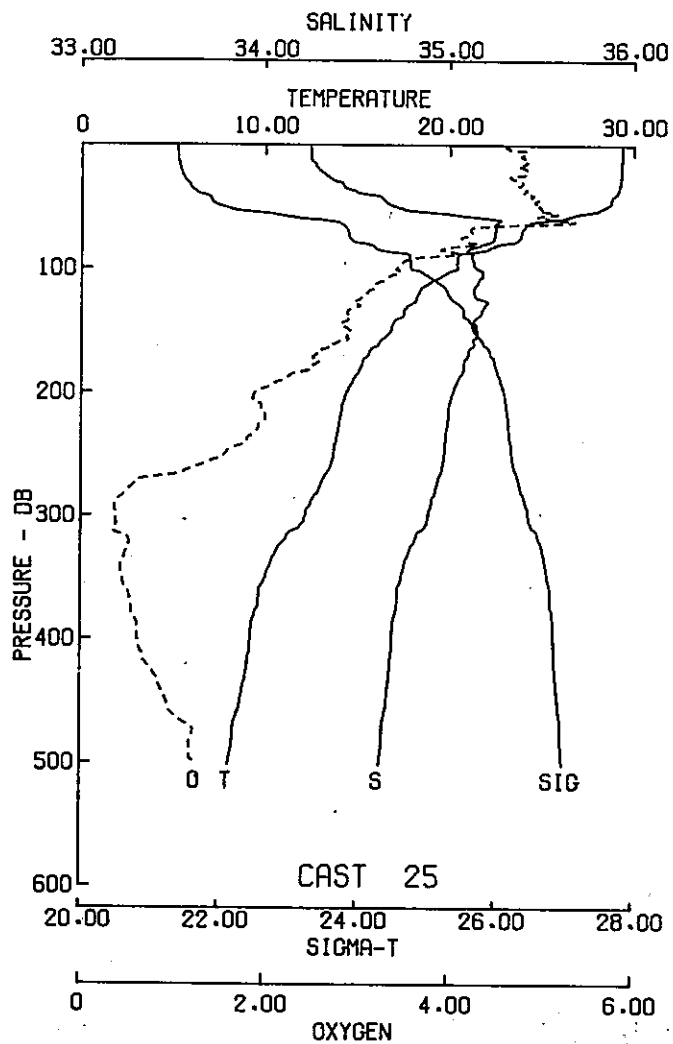
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.288	34.344	4.69	21.497	0.000
4.	29.290	34.343	4.85	21.492	
10.	29.275	34.345	4.99	21.498	.063
20.	29.125	34.434	5.18	21.610	.126
30.	29.724	34.635	5.22	21.900	.187
40.	28.240	34.727	5.22	22.129	.245
50.	28.130	34.747	5.26	22.183	.302
50.	25.967	33.559	5.58	23.275	.354
70.	25.411	33.556	4.95	23.427	.410
80.	23.693	33.555	5.24	23.836	.443
90.	21.437	33.555	3.96	24.515	.479
100.	21.146	33.555	3.76	24.651	.513
110.	19.816	33.555	3.61	25.008	.545
120.	18.734	33.555	3.43	25.236	.574
130.	18.863	33.555	3.25	25.453	.601
140.	17.109	33.555	3.11	25.662	.626
150.	15.977	33.555	2.80	25.847	.649
160.	15.365	33.555	2.58	25.972	.673
170.	14.773	33.555	2.40	26.073	.691
180.	14.545	33.555	2.25	26.108	.713
190.	14.214	33.555	2.17	26.161	.730
200.	14.118	33.499	2.06	26.177	.743
220.	13.342	34.952	.73	26.304	.842
230.	11.507	34.841	.32	26.579	.926
250.	10.289	34.757	.44	26.731	.999
260.	9.425	34.705	.65	26.837	1.065
280.	8.561	34.656	1.14	26.938	1.128
300.	8.099	34.628	1.27	26.987	1.187

297

CAST EP2-83-RS-025 DATE 04 MAY 83 TIME 0018 GMT
LAT 1 29.5S LONG 095 00.3W

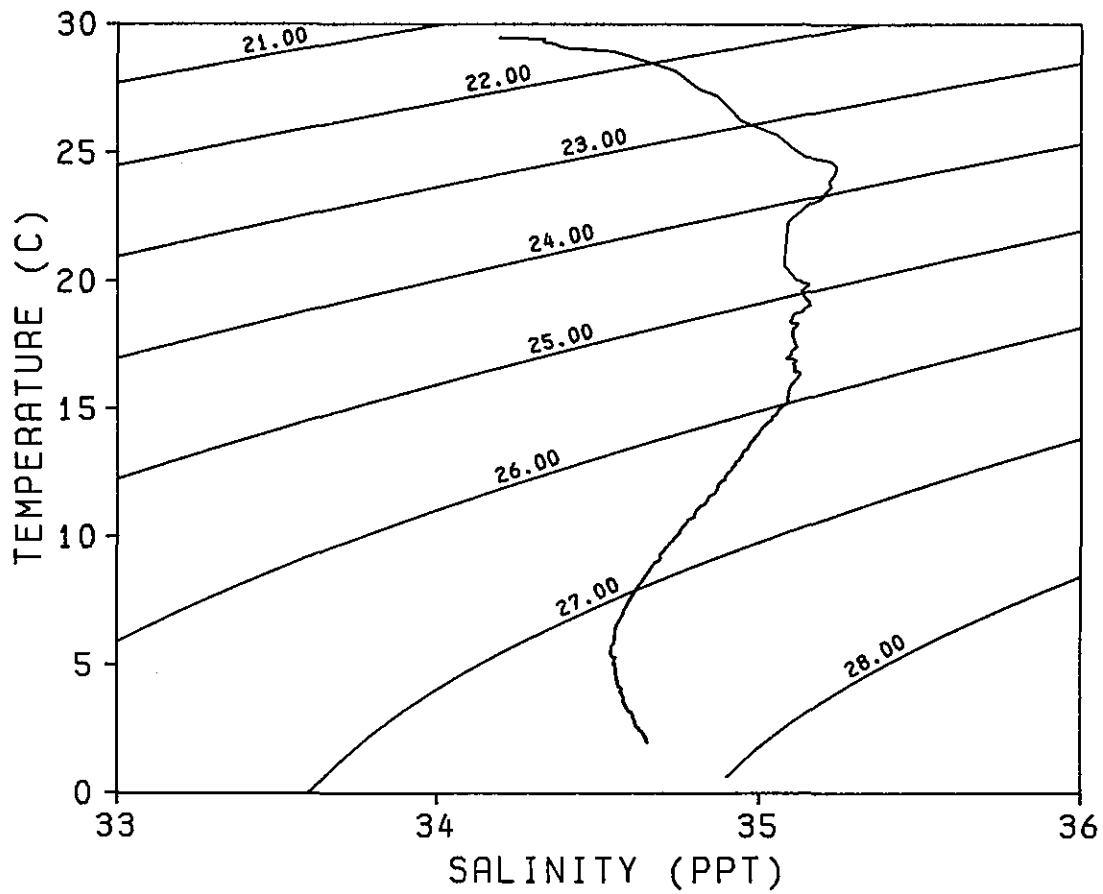


CAST EP2-83-RS-025 DATE 04 MAY 83 TIME 0019 GMT
 LAT 1 23.55 LONG 095 00.34 WEATHER 2 SEA STATE 4
 BAROMETER 98 WIND DIR 215 T SPD 10 KT VISIBILITY 7
 CLOUD 3 AMOUNT 8 DRY 25.5 WET 27.6 DEPTH M

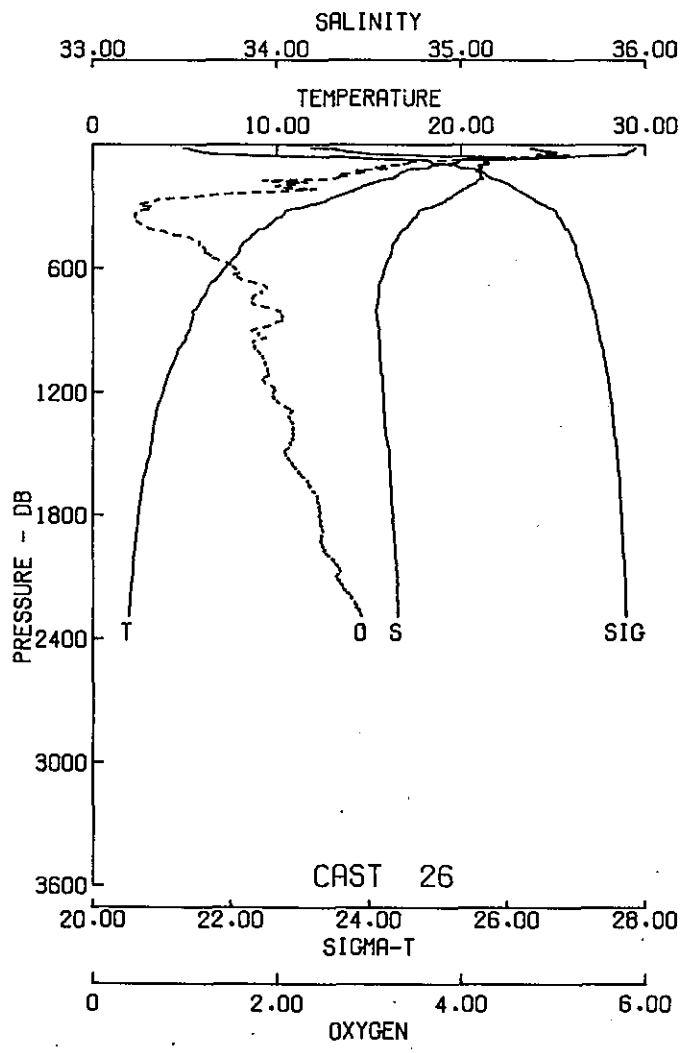


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.362	34.245	4.49	21.394	0.000
2.	29.354	34.246	4.51	21.398	
10.	29.344	34.249	4.78	21.403	.064
20.	29.322	34.291	4.84	21.442	.128
30.	29.269	34.390	4.79	21.534	.191
40.	29.222	34.539	4.85	21.729	.254
50.	29.495	34.697	4.96	22.023	.313
60.	29.351	34.833	5.07	22.211	.366
70.	29.918	34.948	4.23	23.871	.408
80.	29.947	34.919	4.36	24.116	.448
90.	29.443	34.811	3.88	24.752	.484
100.	29.435	34.822	3.42	24.775	.516
110.	19.990	34.857	3.98	25.135	.546
120.	18.313	34.833	3.98	25.135	.574
130.	17.726	34.855	3.94	25.498	.601
140.	17.235	34.811	3.90	25.583	.626
150.	16.824	34.811	3.93	25.697	.649
160.	16.199	34.811	3.78	25.825	.672
170.	15.619	34.811	3.55	25.929	.694
180.	15.190	34.811	3.49	26.010	.715
190.	14.783	34.811	3.19	26.071	.735
200.	14.424	34.811	1.90	26.130	.755
250.	13.747	34.875	1.57	26.238	.850
300.	12.196	34.887	.39	26.481	.938
350.	10.053	34.742	.45	26.761	1.011
400.	8.246	34.694	.53	26.859	1.077
450.	8.718	34.666	.95	26.921	1.140
500.	8.093	34.629	1.26	26.988	1.200
550.	8.071	34.627	1.27	26.996	

CAST EP2-83-RS-026 DATE 04 MAY 83 TIME 0615 GMT
LAT 1 00.8S LONG 095 07.0W



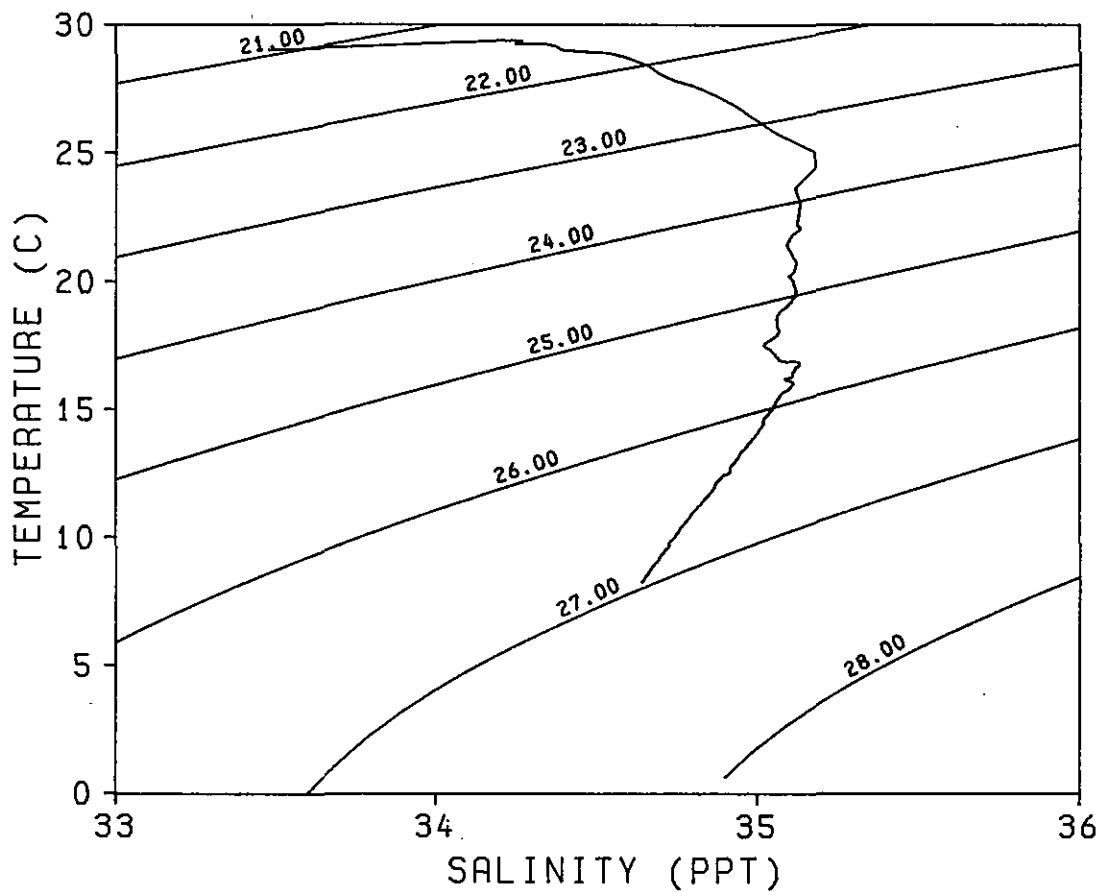
CAST FP3-R3-RS-026 DATE 04 MAY 87 TIME 0615 GMT
 LAT 1 00.85 LONG 095 07.0W WEATHER 1 SEA STATE 4
 BAROMETER 10 WIND DIR 195 T SPD 10 KT VISIBILITY 7
 CLOUD R AMOUNT 3 DRY 27.0 WET 26.0 DEPTH 3300 M



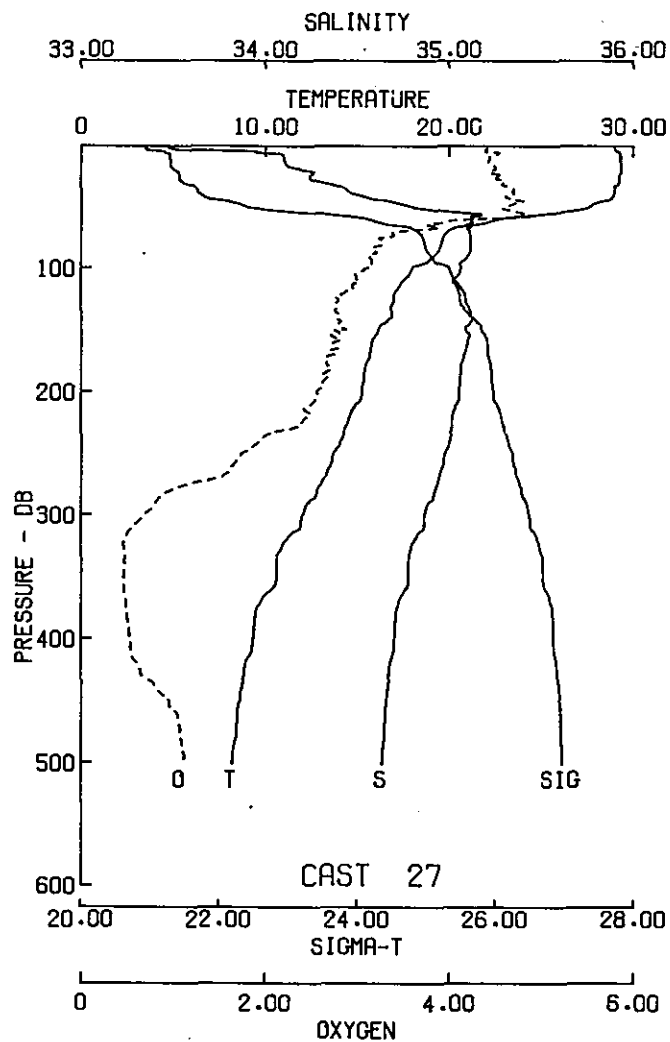
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
18.	29.458	34.191	4.75	21.321	
20.	29.439	34.259	4.79	21.370	.130
30.	29.313	34.324	4.84	21.470	.194
40.	29.033	34.413	5.04	21.631	.254
50.	28.920	34.544	4.82	21.766	.310
60.	28.689	34.553	5.14	23.188	.373
70.	28.434	34.526	4.15	23.981	.415
80.	28.000	34.536	3.55	24.875	.440
90.	27.882	34.530	3.44	24.925	.480
100.	18.730	34.530	3.33	25.195	.510
110.	18.727	34.530	3.33	25.117	.537
120.	17.373	34.530	3.33	25.532	.564
130.	17.031	34.530	3.33	25.599	.588
140.	16.720	34.530	3.33	25.576	.613
150.	16.624	34.530	3.33	25.704	.634
160.	16.430	34.530	3.33	25.705	.659
170.	16.996	34.530	3.33	25.845	.682
180.	16.555	34.530	3.33	25.933	.704
190.	16.212	34.530	3.33	26.007	.725
200.	16.868	34.530	3.33	26.061	.745
250.	16.364	34.530	3.33	26.306	.841
300.	16.581	34.530	3.33	26.557	.925
350.	16.265	34.530	3.33	26.735	.997
400.	16.485	34.530	3.33	26.820	1.064
450.	16.592	34.530	3.33	26.933	1.127
500.	16.325	34.530	3.33	26.996	1.186
550.	17.761	34.530	3.33	27.024	1.243
600.	17.319	34.530	3.33	27.083	1.299
650.	16.792	34.530	3.33	27.131	1.352
700.	16.272	34.530	3.33	27.186	1.402
750.	16.911	34.530	3.33	27.236	1.451
800.	16.616	34.530	3.33	27.266	1.490
850.	16.387	34.530	3.33	27.288	1.543
900.	16.253	34.530	3.33	27.313	1.587
950.	16.068	34.530	3.33	27.344	1.630
1000.	16.619	34.530	3.33	27.390	1.671
1500.	16.119	34.530	3.33	27.583	2.010
2000.	16.262	34.530	3.33	27.688	2.290
2292.	16.965	34.530	3.33	27.721	

103

CAST EP2-83-RS-027 DATE 04 MAY 83 TIME 1049 GMT
LAT 0 30.9S LONG 095 11.2W

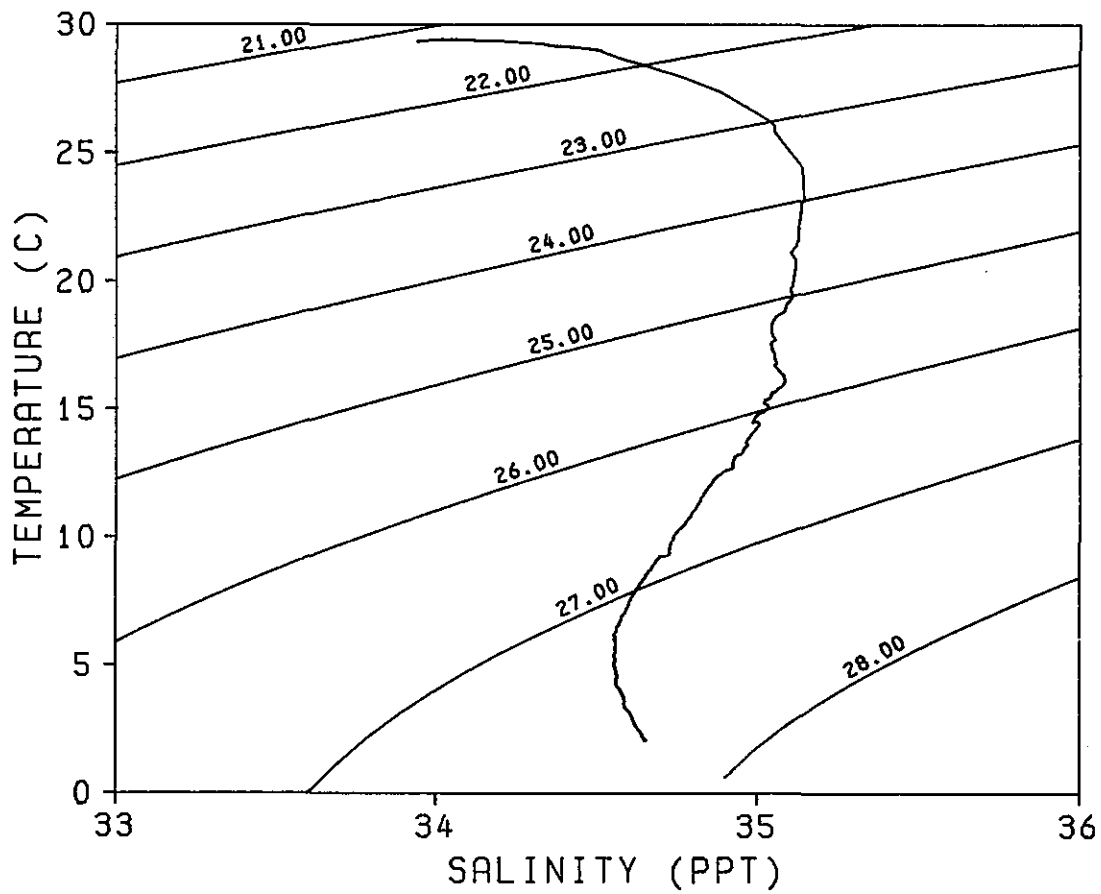


CAST FD2-R3-RS-G27 DATE 04 MAY 83 TIME 1049 GMT
 LAT 0 31.9S LONG 995 11.2W WEATHER 6 SEA STAT 4
 BAROMETER 49 WIND DIR 035 T SPD 04 KT VISIBILITY 5
 CLOUD X AMOUNT 9 DRY 25.6 WET 24.7 DEPTH 4

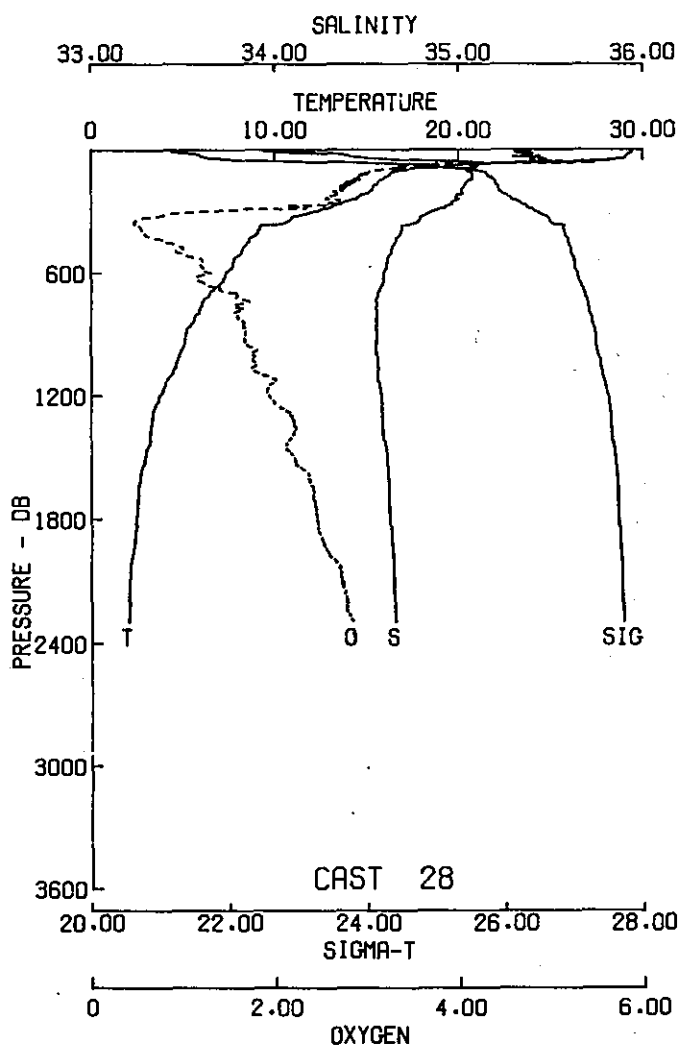


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-P (DYN-C)
0.	28.833	33.132	4.32	20.737	0.000
2.	28.810	33.478	4.42	20.937	
10.	28.331	34.193	4.44	21.298	.067
20.	28.388	34.198	4.48	21.350	.132
30.	28.247	34.300	4.57	21.474	.196
40.	28.012	34.492	4.68	21.730	.258
50.	27.623	34.793	4.61	22.381	.316
60.	22.670	35.126	4.31	24.142	.363
70.	19.933	35.109	3.48	24.870	.397
80.	19.579	35.118	3.27	24.979	.428
90.	19.167	35.103	3.14	25.074	.458
100.	18.097	35.063	3.12	25.335	.486
110.	17.523	35.018	3.02	25.419	.512
120.	17.050	35.055	3.07	25.561	.538
130.	16.907	35.057	3.77	25.605	.562
140.	16.842	35.127	3.77	25.666	.586
150.	16.139	35.088	3.88	25.803	.609
160.	15.802	35.098	3.76	25.885	.632
170.	15.673	35.089	3.75	25.990	.653
180.	15.437	35.065	3.66	25.943	.675
190.	15.362	35.060	3.66	25.955	.695
200.	15.267	35.055	3.57	25.974	.717
250.	14.694	34.977	1.75	26.251	.816
300.	12.857	34.867	.69	26.493	.903
350.	10.613	34.777	.47	26.695	.970
400.	9.377	34.704	.54	26.845	1.046
450.	8.632	34.659	.95	26.999	1.105
500.	8.244	34.637	1.11	26.972	1.168
501.	8.239	34.637	1.09	26.973	

CAST EP2-83-RS-028 DATE 04 MAY 83 TIME 1623 GMT
LAT 00 02.0N LONG 095 14.9W



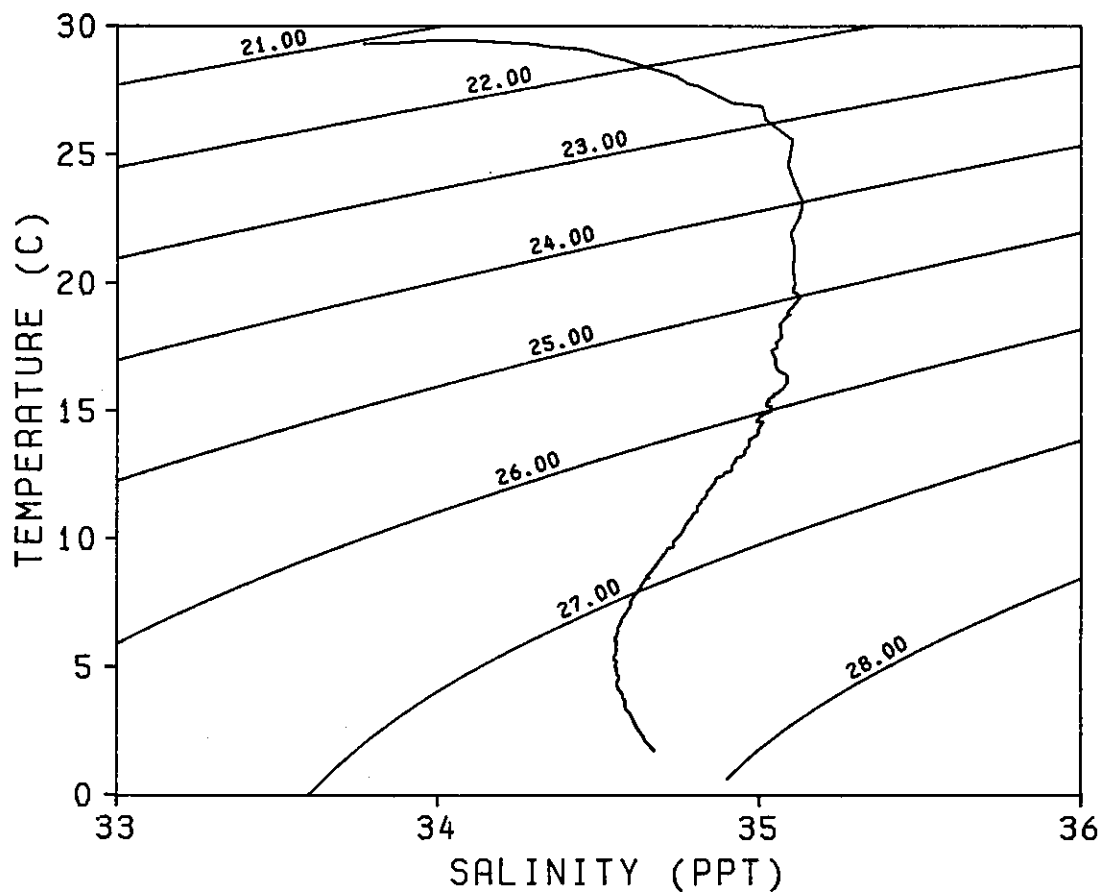
CAST FP2-R3-PS-808 DATE 04 MAY 87 TIME 1623 GMT
 LAT 00 02.0N LONG 095 14.9E WEATHER 2 SEA STATE 4
 BAROMETER 30 WIND DIR 020 T SPD 07 KT VISIBILITY 6
 CLOUD 6 AMOUNT 6 DRY 26.0 WET 24.7 DEPTH 6



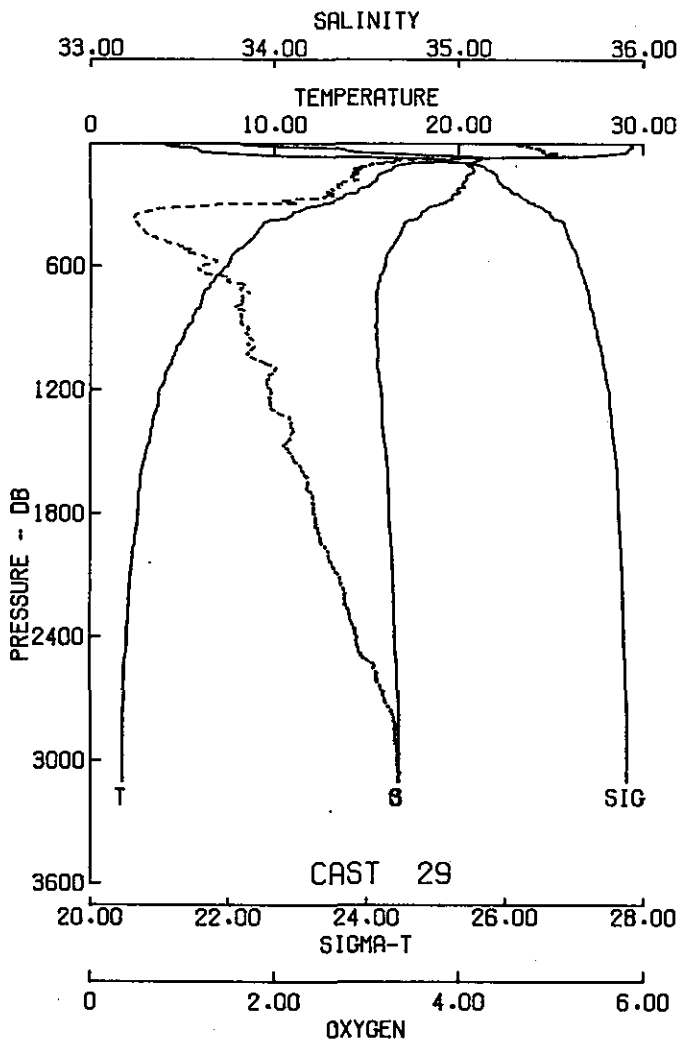
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	28.349	35.533	4.655	27.712	9.300
3.	28.349	35.533	4.655	27.712	
10.	28.352	35.533	4.678	27.712	.064
20.	28.315	35.533	4.773	27.712	.132
30.	28.116	35.533	4.822	27.712	.195
40.	28.474	35.533	4.855	27.712	.257
50.	28.440	35.533	4.999	27.712	.317
60.	28.270	35.533	5.098	27.712	.373
70.	28.199	35.533	4.377	27.712	.416
80.	28.673	35.533	3.671	27.712	.449
90.	28.793	35.533	3.343	27.712	.478
110.	28.272	35.533	3.188	27.712	.550
120.	28.111	35.533	3.003	27.712	.609
130.	28.251	35.533	2.922	27.712	.657
140.	28.996	35.533	2.922	27.712	.698
150.	28.223	35.533	2.994	27.712	.620
160.	28.559	35.533	2.911	27.712	.642
170.	28.531	35.533	2.774	27.712	.663
180.	28.402	35.533	2.811	27.712	.685
190.	28.285	35.533	2.722	27.712	.706
200.	28.337	35.533	2.773	27.712	.727
220.	28.044	35.533	2.722	27.712	.830
300.	28.514	35.533	1.400	27.712	.929
400.	28.110	35.533	.57	27.712	.997
450.	28.553	35.533	.80	27.712	1.063
500.	28.354	35.533	.94	27.712	1.125
550.	28.799	35.533	1.20	27.712	1.185
600.	28.431	35.533	1.27	27.712	1.243
650.	28.134	35.533	1.23	27.712	1.300
700.	28.495	35.533	1.59	27.712	1.354
750.	28.592	35.533	1.56	27.712	1.407
800.	28.402	35.533	1.56	27.712	1.456
850.	28.552	35.533	1.64	27.712	1.504
900.	28.205	35.533	1.64	27.712	1.550
950.	28.133	35.533	1.69	27.712	1.595
1000.	28.869	35.533	1.75	27.712	1.638
1500.	28.974	35.533	2.19	27.712	1.830
2000.	28.211	35.533	2.65	27.712	2.030
2200.	28.040	35.533	2.84	27.712	2.307

305

CAST EP2-83-RS-029 DATE 05 MAY 83 TIME 1032 GMT
LAT 00 00.0N LONG 094 59.3W

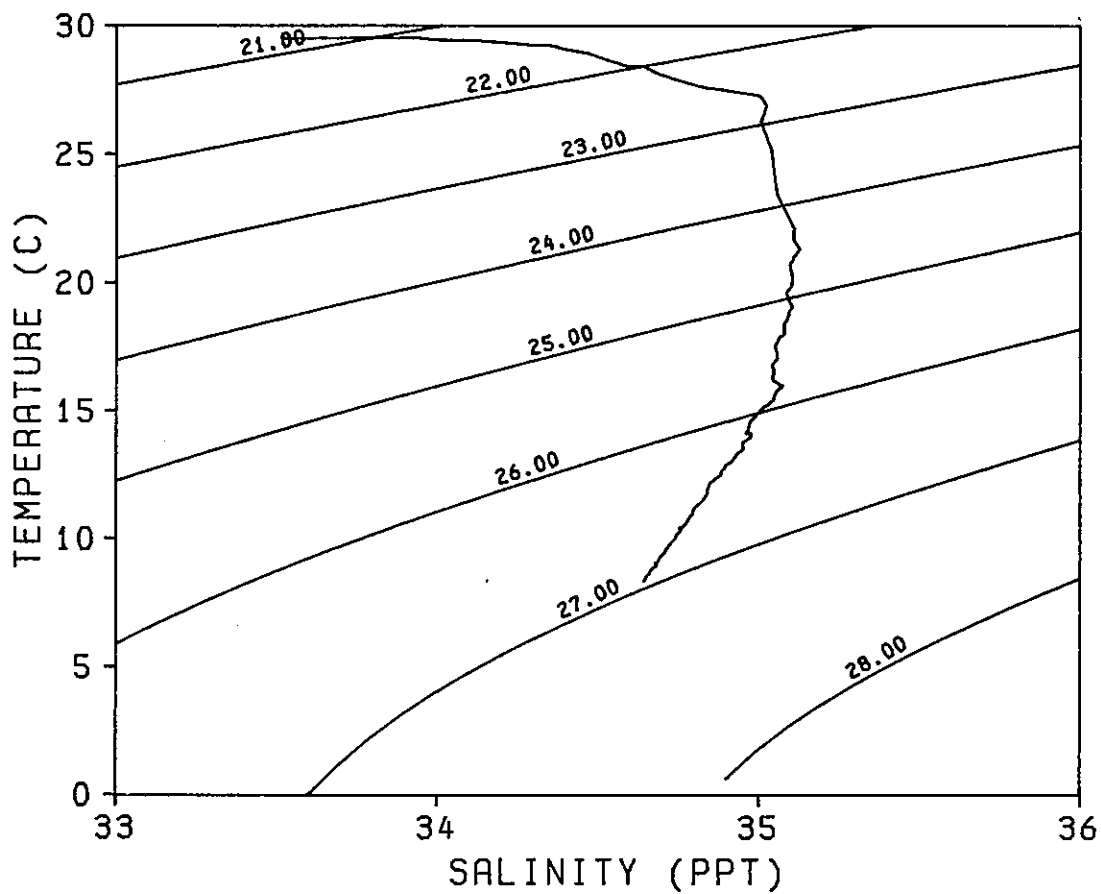


CAST FP2-P3-RS-029 DATE 05 MAY 83 TIME 1032 GMT
 LAT 03 00.0N LONG 094 59.3W WEATHER 1 SEA STATE 4
 BAROMETER 99 WIND DIR 155 T SPD 09 KT VISIBILITY 7
 CLOUD 3 AMOUNT 4 DRY 27.8 WET 25.5 DEPTH 3309 M

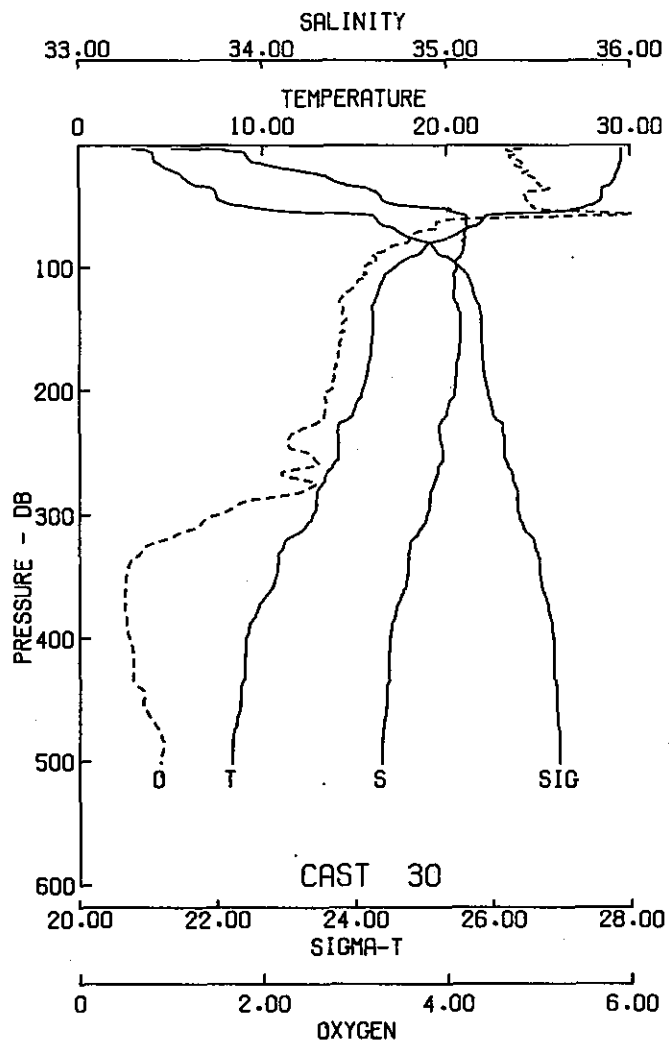


PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.394	33.755	4.67	21.046	0.000
2.	29.302	33.769	4.74	21.058	
10.	29.299	33.836	4.64	21.109	.367
20.	29.372	34.161	4.78	21.328	.133
30.	29.149	34.381	4.92	21.568	.197
40.	29.118	34.414	4.92	21.603	.259
50.	29.569	34.501	5.07	21.926	.328
60.	29.555	34.872	5.07	22.558	.377
70.	22.121	35.121	4.52	24.184	.423
80.	19.363	35.124	3.46	25.040	.455
90.	18.748	35.084	3.29	25.174	.484
100.	17.196	35.043	3.06	25.517	.510
110.	16.519	35.055	3.08	25.665	.535
120.	16.427	35.079	2.92	25.727	.558
130.	16.354	35.083	2.86	25.747	.581
140.	16.068	35.079	2.86	25.823	.504
150.	16.738	35.060	2.86	25.872	.626
160.	16.609	35.040	2.83	25.884	.647
170.	16.559	35.046	2.88	25.898	.665
180.	16.335	35.040	2.92	25.909	.691
190.	16.377	35.024	2.73	25.923	.712
200.	16.247	35.023	2.73	25.952	.734
250.	16.905	34.971	2.57	26.202	.835
300.	16.540	34.886	1.76	26.414	.925
350.	16.951	34.792	1.59	26.641	1.004
400.	16.659	34.700	1.52	26.846	1.073
450.	16.929	34.576	1.33	26.895	1.136
500.	16.361	34.643	1.95	26.958	1.198
550.	17.652	34.606	1.29	27.036	1.256
600.	17.451	34.598	1.92	27.059	1.312
650.	16.881	34.570	1.44	27.128	1.365
700.	16.463	34.560	1.55	27.165	1.417
750.	16.878	34.532	1.56	27.211	1.466
800.	16.963	34.535	1.57	27.228	1.514
850.	16.541	34.554	1.64	27.279	1.560
900.	16.266	34.549	1.72	27.308	1.605
950.	16.054	34.552	1.72	27.336	1.648
1000.	14.671	34.560	1.76	27.385	1.690
1500.	14.033	34.589	2.16	27.588	2.040
2000.	12.309	34.639	2.57	27.679	2.322
2500.	11.911	34.661	2.95	27.728	2.574
3000.	11.737	34.673	3.34	27.751	2.806
3105.	11.745	34.674	3.33	27.752	

CAST EP2-83-RS-030 DATE 06 MAY 83 TIME 0001 GMT
LAT 00 30.6N LONG 094 58.1W

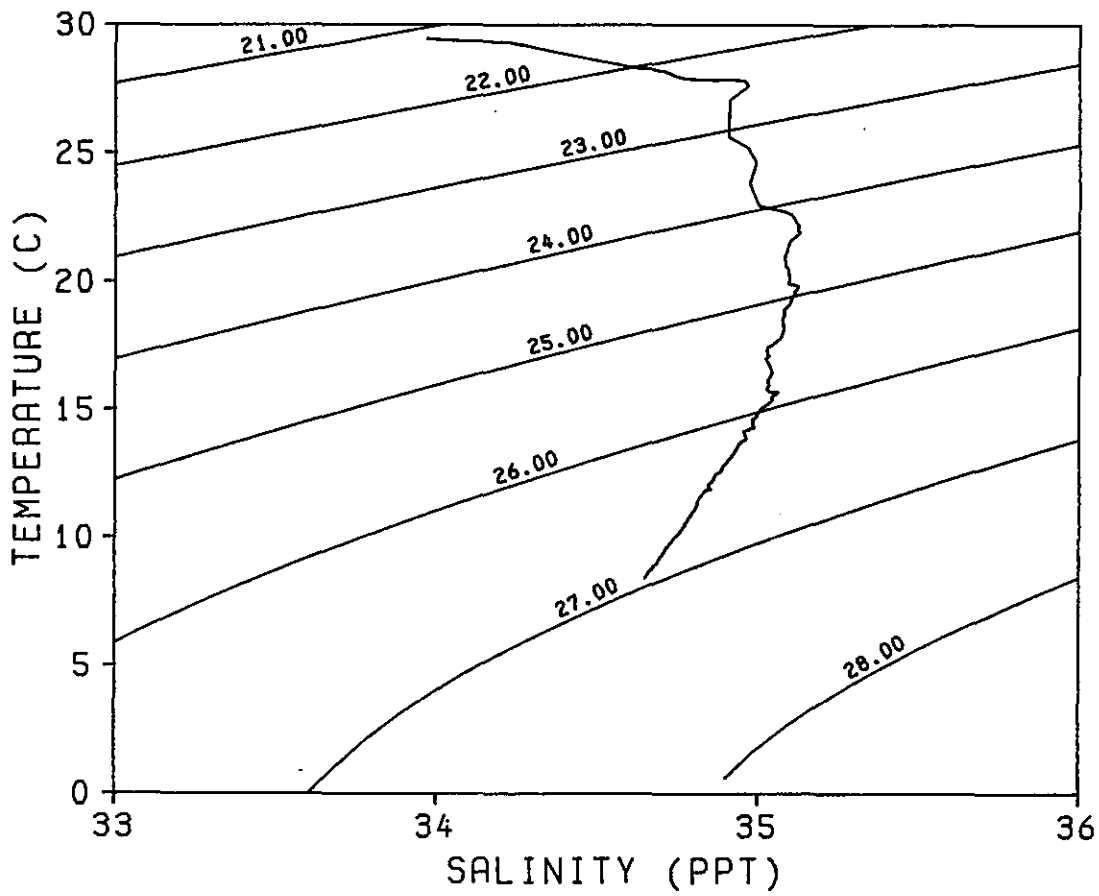


CAST 30-33-RS-031 DATE 06 MAY 83 TIME 0001 GMT
 LAT 30 33.6N LONG 094 52.1W WEATHER 2 SEA STATE 4
 BAROMETER 99 WIND DIR 125 T SPD 07 KT VISIBILITY 9
 CLOUD 9 AMOUNT R DRY 26.7 WET 24.0 DEPTH M

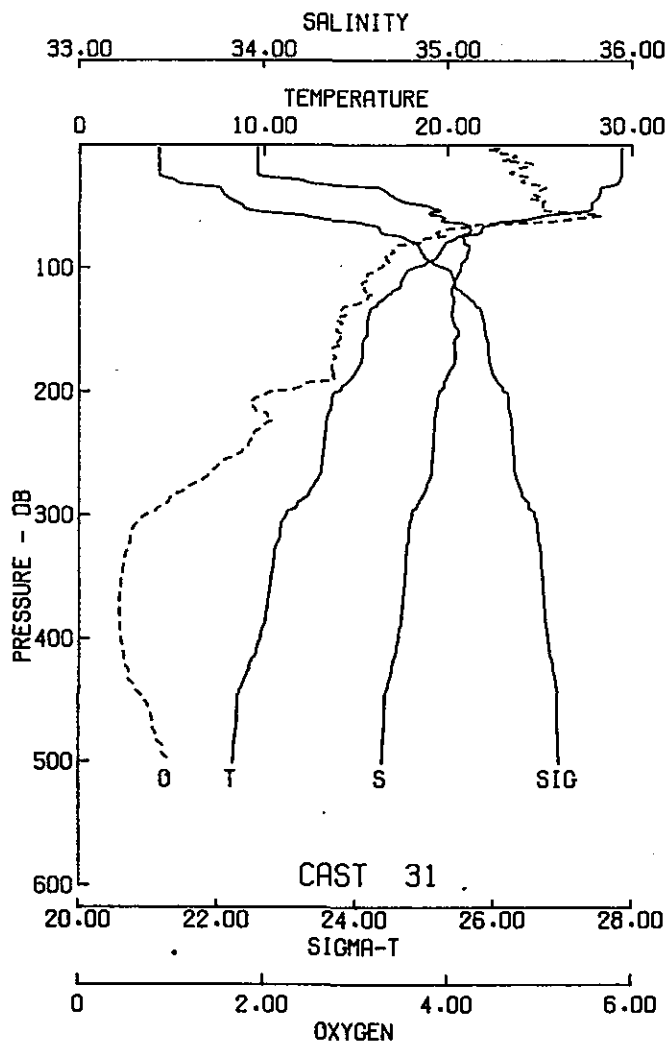


PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.505	33.345	4.74	20.672	0.000
3.	29.506	33.517	4.82	20.800	
10.	29.920	33.924	4.70	21.100	.068
20.	29.360	34.168	4.88	21.737	.134
30.	29.058	34.401	4.97	21.613	.198
40.	27.422	34.636	4.83	22.001	.256
50.	27.590	34.824	4.95	22.411	.315
60.	22.027	34.510	4.31	24.309	.360
70.	22.972	34.510	3.73	24.626	.395
80.	19.041	34.510	3.56	25.104	.427
90.	18.411	34.510	3.19	25.245	.455
100.	17.170	34.510	3.11	25.531	.481
110.	16.549	34.510	3.04	25.673	.506
120.	16.293	34.510	3.00	25.729	.526
130.	16.218	34.510	2.82	25.807	.552
140.	15.974	34.510	2.86	25.826	.574
150.	15.963	34.510	2.86	25.828	.596
160.	15.914	34.510	2.84	25.838	.618
170.	15.862	34.510	2.81	25.845	.641
180.	15.722	34.510	2.81	25.867	.664
190.	15.621	34.510	2.78	25.888	.685
230.	14.400	34.510	2.73	25.933	.706
250.	14.091	34.510	2.50	26.165	.807
350.	13.995	34.510	1.50	26.386	.897
380.	13.973	34.510	.51	26.680	.973
430.	13.765	34.510	.73	26.881	1.042
450.	13.329	34.510	.89	26.916	1.105
500.	13.324	34.510	.89	26.965	1.165
502.	13.324	34.510	.89	26.965	

CAST EP2-83-RS-031 DATE 06 MAY 83 TIME 0458 GMT
LAT 01 01.7N LONG 094 56.6W

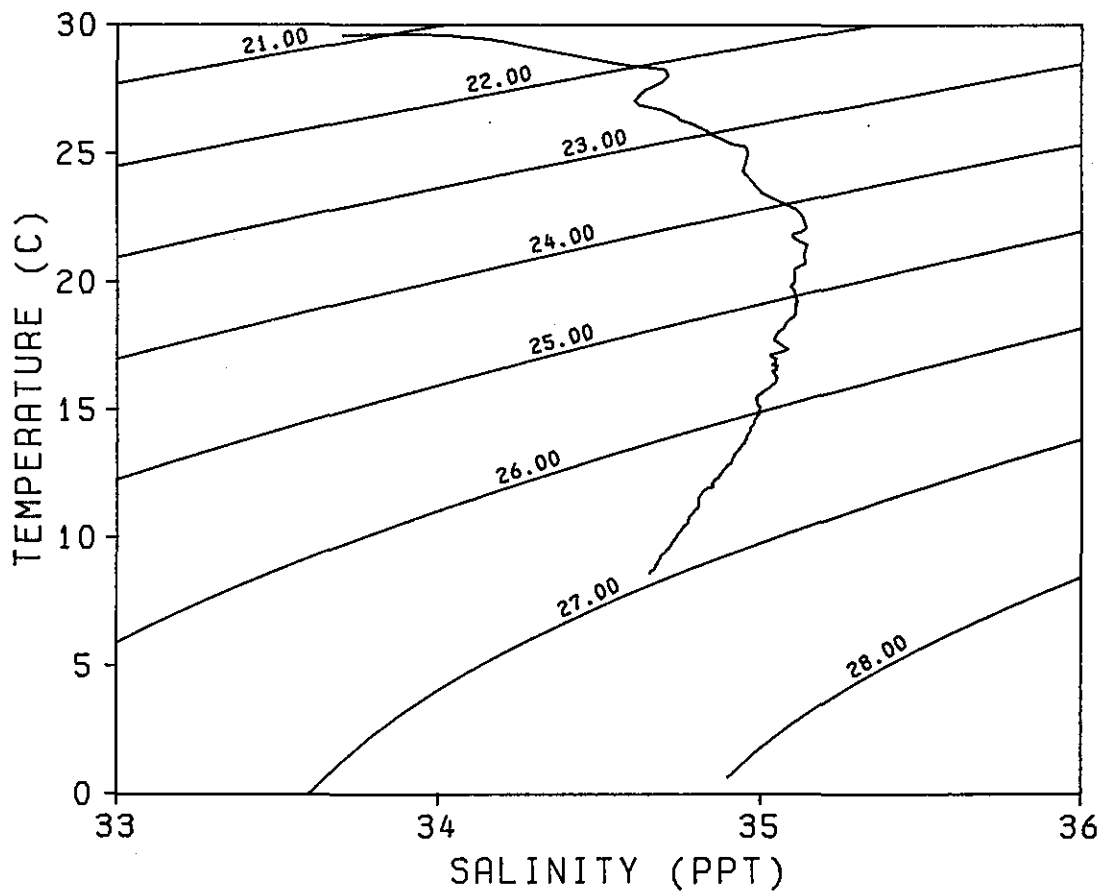


CAST EP2-83-RS-031 DATE 06 MAY 83 TIME 0458 GMT
 LAT 01 01.7N LONG 094 56.6W WEATHER 2 SEA STATE 3
 BAROMETER 10 WIND DIR 275 T SPD 07 KT VISIBILITY 7
 CLOUD 8 AMOUNT 7 DRY 26.0 WET 24.5 DEPTH M

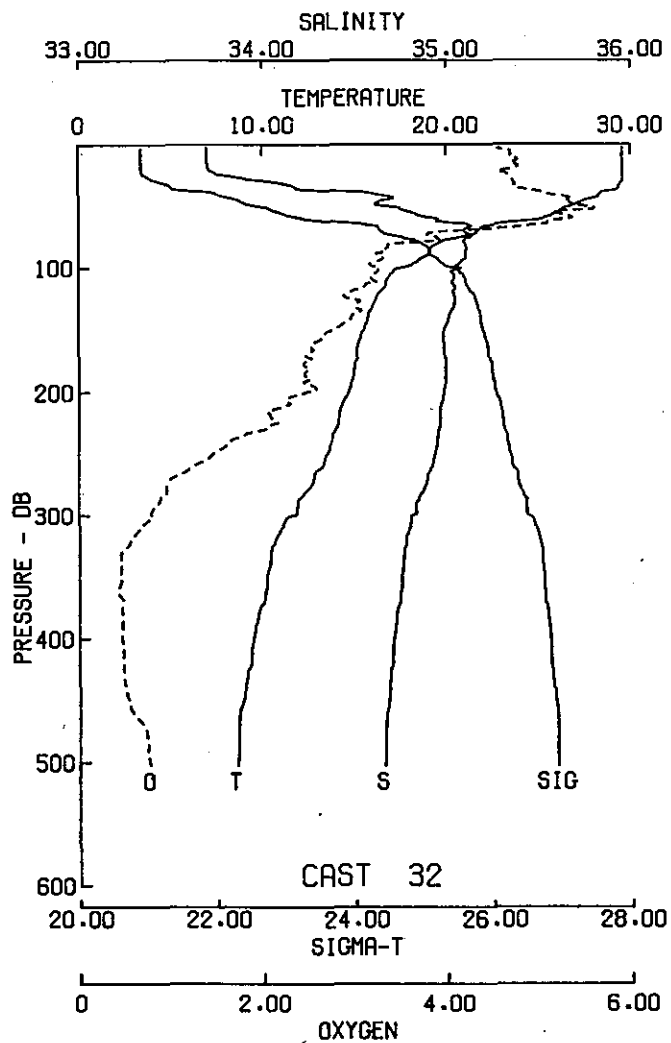


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-S (DYN-F)
0.	29.448	33.966	4.46	21.156	0.000
3.	29.449	33.966	4.56	21.156	
10.	29.442	33.968	4.75	21.159	.066
20.	29.443	33.969	4.76	21.160	.133
30.	29.295	34.223	4.79	21.400	.199
40.	29.249	34.679	4.93	22.090	.255
50.	27.864	34.895	5.04	22.378	.315
60.	24.646	34.991	5.41	23.460	.455
70.	21.882	35.129	5.95	24.367	.485
80.	19.913	35.093	3.72	24.873	.438
90.	19.500	35.110	3.33	24.993	.429
100.	18.276	35.076	3.29	25.279	.499
110.	17.552	35.643	3.14	25.432	.594
120.	17.021	35.023	3.11	25.544	.550
130.	16.209	35.033	3.01	25.741	.574
140.	15.731	35.029	2.85	25.848	.596
150.	15.689	35.058	2.80	25.880	.618
160.	15.423	35.037	2.80	25.923	.640
170.	15.405	35.045	2.76	25.953	.661
180.	15.195	35.029	2.75	25.968	.682
190.	14.744	34.994	2.78	26.040	.701
200.	14.133	34.953	2.15	26.140	.723
250.	13.264	34.921	1.77	26.296	.815
300.	11.261	34.809	.74	26.597	.980
350.	10.437	34.770	.47	26.715	.973
400.	9.857	34.735	.46	26.788	1.040
450.	8.643	34.664	.70	26.931	1.106
500.	8.397	34.650	.96	26.958	1.167
502.	8.386	34.649	.96	26.969	

CAST EP2-83-RS-032 DATE 06 MAY 83 TIME 0824 GMT
LAT 01 29.8N LONG 094 59.0W



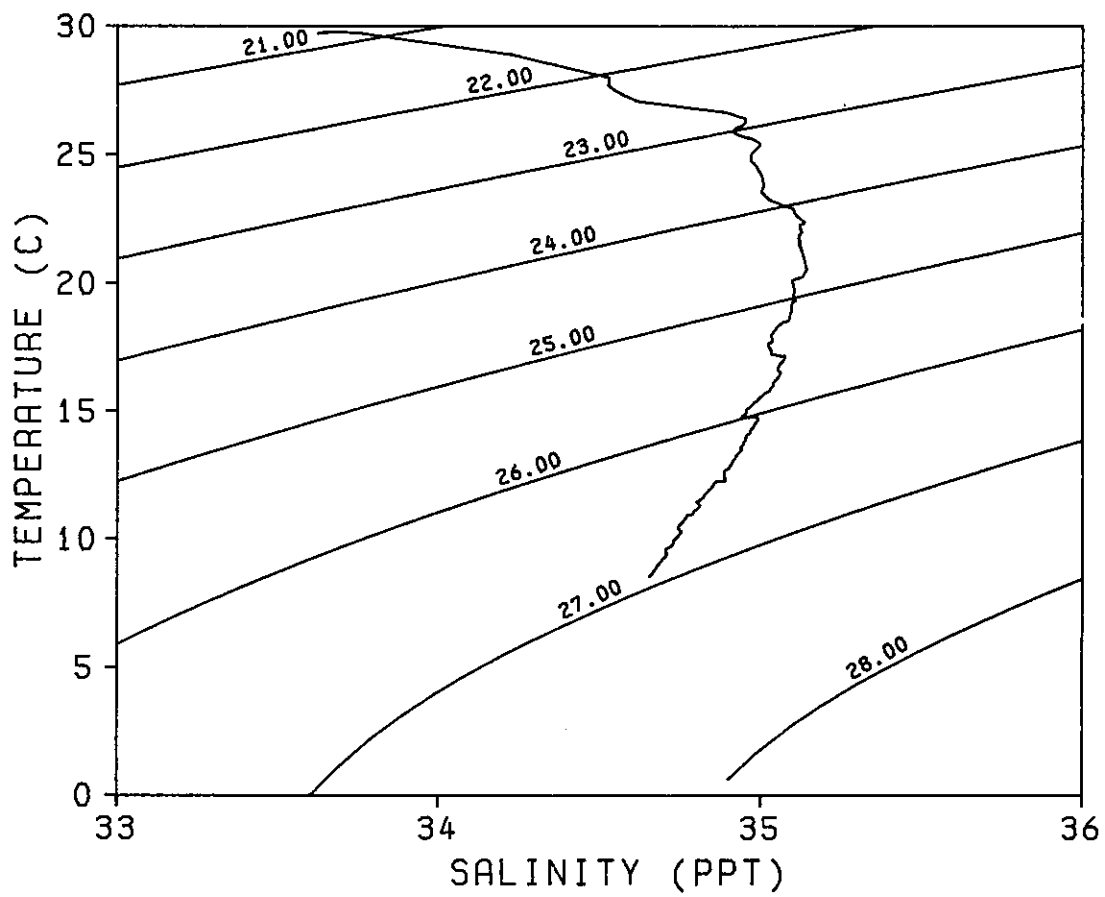
CAST EP2-R7-PC-032 DATE 04 MAY 83 TIME 0824 GMT
 LAT 01 29.8N LONG 124 50.0W WEATHER 1 SEA STATE 7
 BAROMETER 10 WIND DIR 290 T SPD 07 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 22.0 WET 25.5 DEPTH M



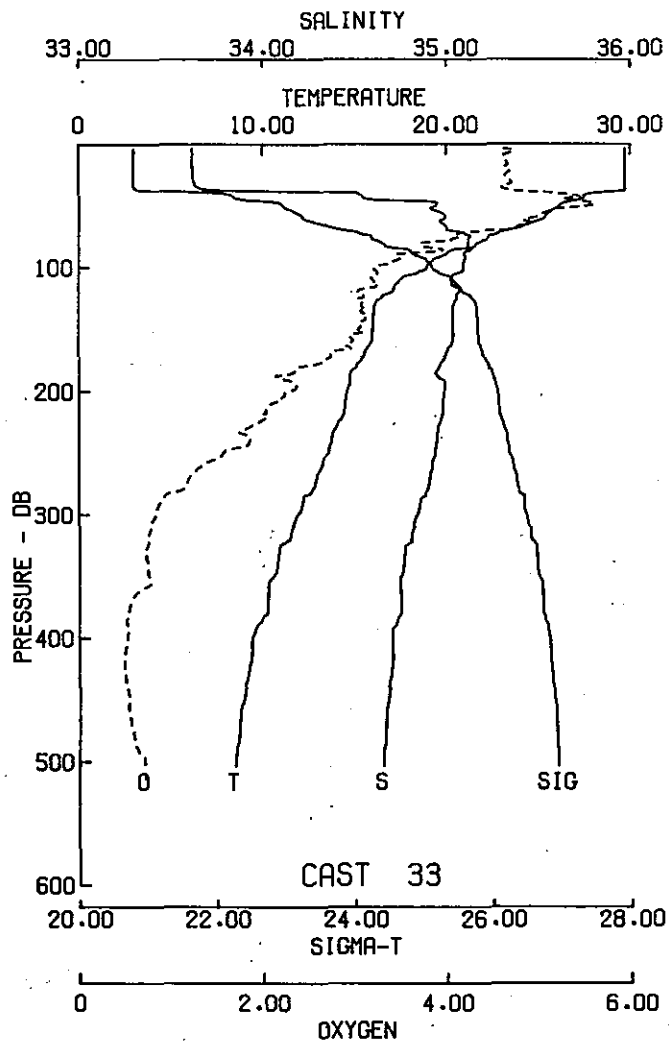
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.576	33.702	4.45	20.915	0.000
3.	29.570	33.701	4.59	20.916	
10.	29.568	33.701	4.69	20.917	.069
20.	29.581	33.710	4.73	20.920	.137
30.	29.578	34.001	4.73	21.138	.206
40.	29.380	34.602	5.07	21.989	.270
50.	24.852	34.626	5.46	22.562	.324
60.	25.347	34.908	5.37	22.918	.374
70.	21.756	35.095	4.24	23.376	.416
80.	19.652	35.101	3.65	23.947	.459
90.	19.037	35.108	3.26	24.111	.479
100.	17.703	35.038	3.23	24.591	.507
110.	16.770	35.039	3.19	24.615	.533
120.	16.436	35.035	3.29	24.791	.559
130.	16.036	35.044	3.04	24.790	.579
140.	15.751	35.014	2.97	24.832	.601
150.	15.546	34.989	2.77	24.859	.623
160.	15.239	34.987	2.58	24.926	.645
170.	15.148	34.993	2.49	24.951	.666
180.	14.977	34.993	2.49	24.989	.687
190.	14.883	34.992	2.52	24.909	.707
200.	14.662	34.984	2.48	24.950	.728
250.	13.591	34.935	1.47	25.259	.824
300.	11.838	34.824	.79	25.503	.910
350.	10.221	34.753	.47	25.740	.983
400.	9.488	34.711	.47	25.731	1.058
450.	8.907	34.680	.54	25.902	1.114
500.	8.612	34.662	.76	26.934	1.174
503.	8.586	34.659	.78	26.937	

313

CAST EP2-83-RS-033 DATE 06 MAY 83 TIME 1208 GMT
LAT 02 00.0N LONG 095 00.0W



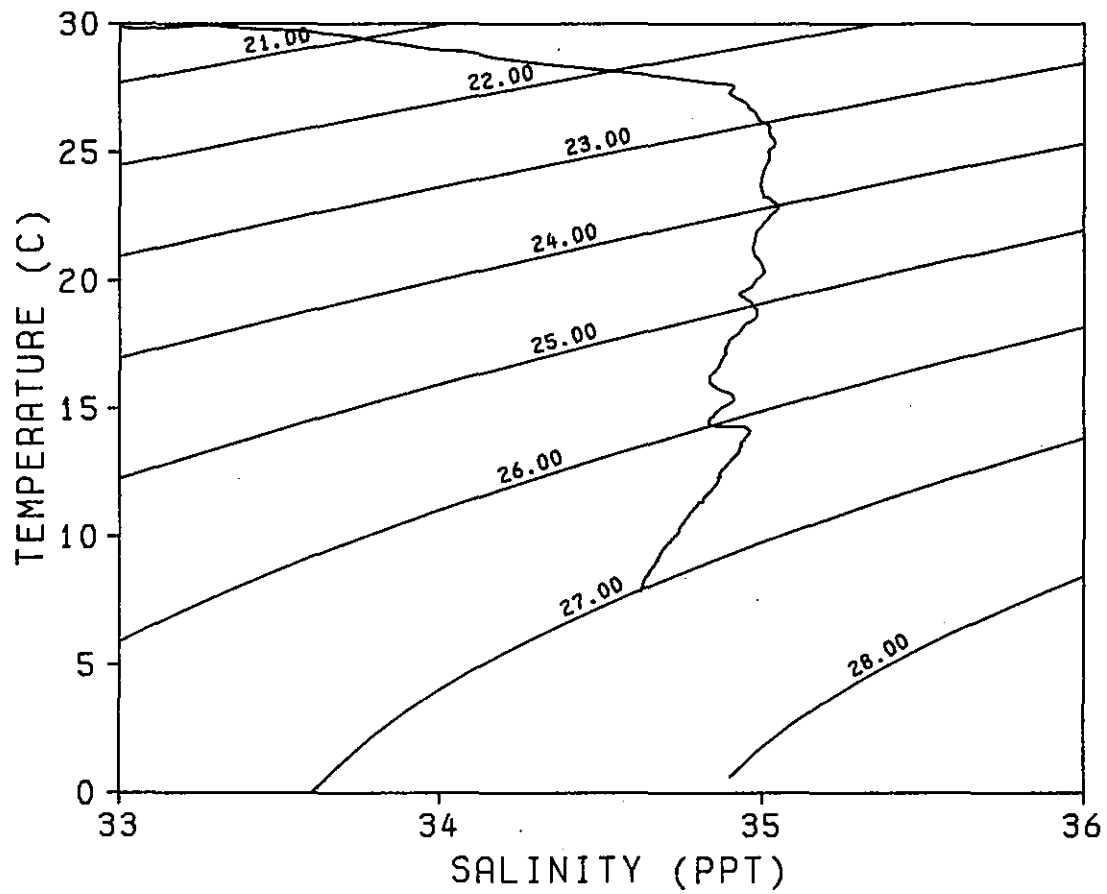
CAST FP2-83-RS-833 DATE 06 MAY 83 TIME 1208 GMT
 LAT 02 01.8N LONG 185 00.0W WEATHER 2 SEA STATE 4
 BAROMETER 10 WIND DIR 280 T SOD 05.4T VISIBILITY 7
 CLOUD 3 AMOUNT 8 DRY 28.3 WET 25.2 DEPTH M



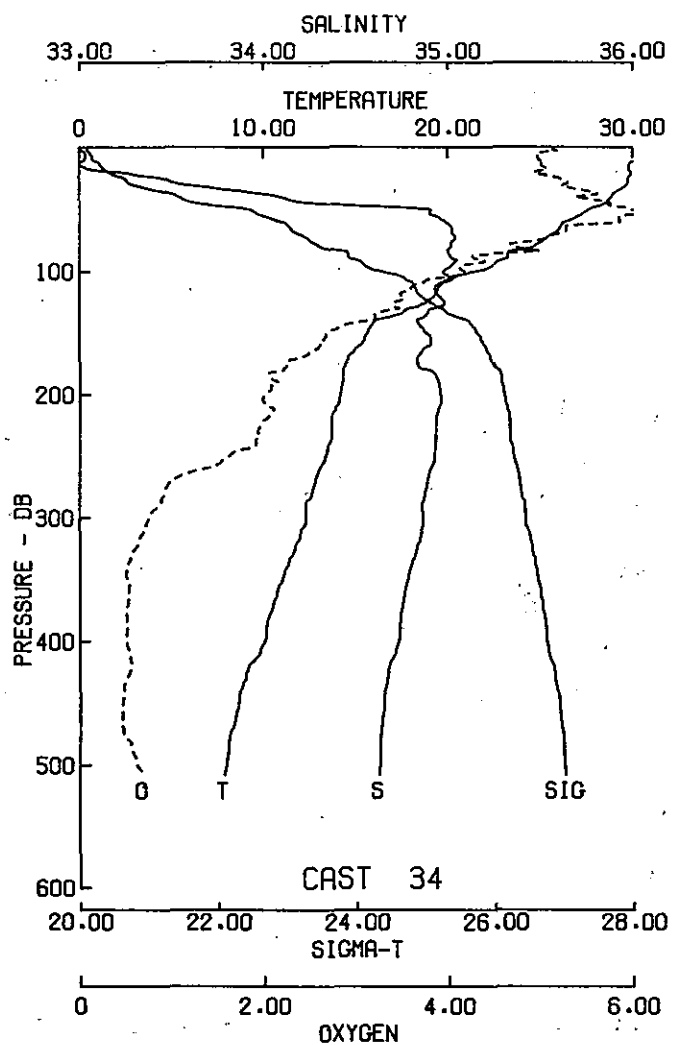
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	29.702	33.623	4.57	26.813	0.000
4.	29.707	33.623	4.64	20.811	
10.	29.716	33.623	4.62	20.809	.070
20.	29.720	33.625	4.67	20.809	.140
30.	29.729	33.630	4.71	20.809	.209
40.	27.981	34.529	5.21	22.065	.278
50.	26.178	34.945	5.29	23.955	.332
60.	25.339	34.995	4.98	23.255	.390
70.	23.523	34.998	4.72	23.799	.424
80.	21.885	34.119	3.86	24.358	.462
90.	19.997	34.099	3.45	24.855	.495
100.	18.951	34.094	3.24	25.122	.525
110.	17.529	34.022	3.19	25.401	.553
120.	17.102	34.072	3.04	25.562	.578
130.	16.129	34.040	3.07	25.793	.602
140.	16.033	34.237	3.14	25.789	.624
150.	16.003	34.037	3.04	25.793	.647
160.	15.349	34.035	3.98	25.803	.670
170.	15.565	34.000	3.74	25.863	.692
180.	15.380	34.960	3.46	25.949	.713
190.	14.733	34.966	3.19	26.017	.734
200.	14.599	34.986	3.30	26.057	.755
250.	13.585	34.936	1.57	26.241	.851
300.	11.939	34.841	.84	26.499	.938
350.	11.605	34.753	.76	26.672	1.014
400.	9.458	34.706	.54	26.833	1.083
450.	9.954	34.682	.54	26.896	1.148
500.	9.521	34.654	.71	26.943	1.209
550.	8.498	34.654	.72	26.946	

315

CAST EP2-83-RS-034 DATE 06 MAY 83 TIME 2020 GMT
LAT 02 59.7N LONG 095 08.0W



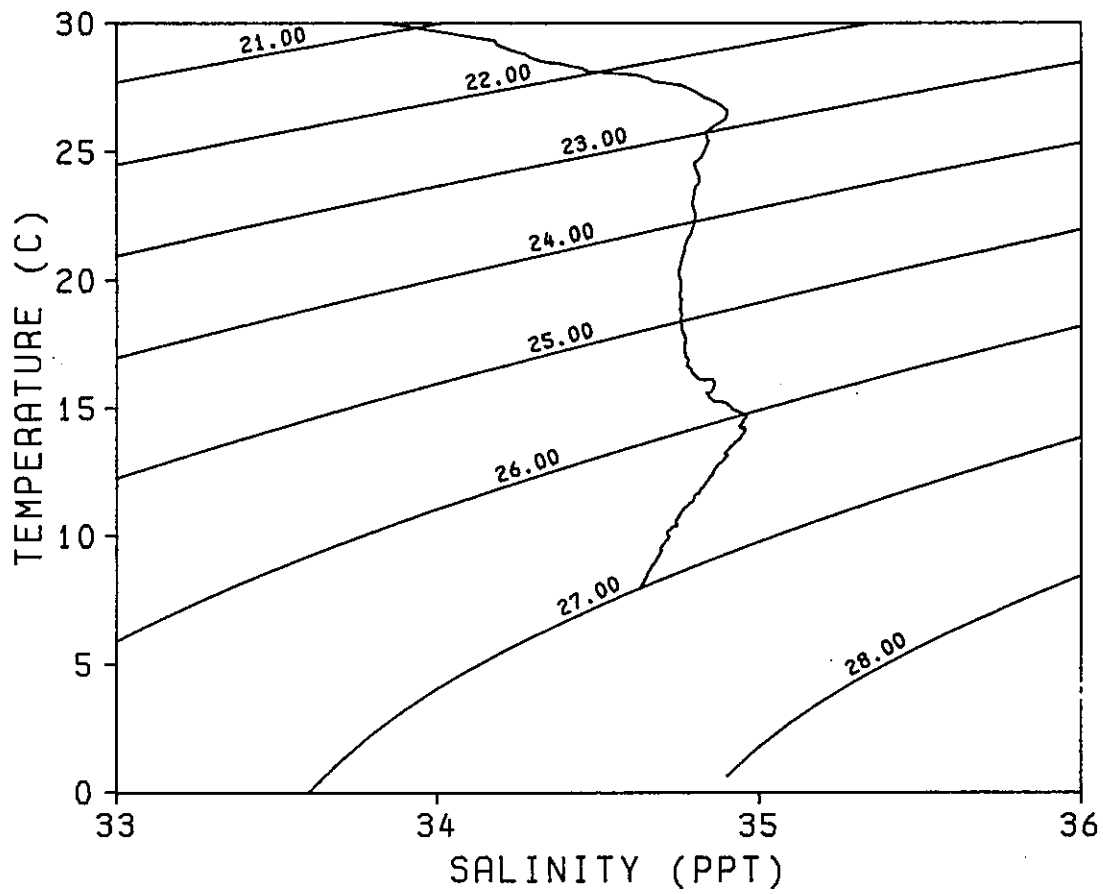
CAST FP2-83-RS-974 DATE 04 MAY 83 TIME 2020 GMT
 LAT 32 53.7N LONG 95 08.9W WEATHER 1 SEA STATE 7
 BAROMETER 11 WIND DIR 240 T SPD 37 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 DRY 30.0 WET 26.0 DEPTH M



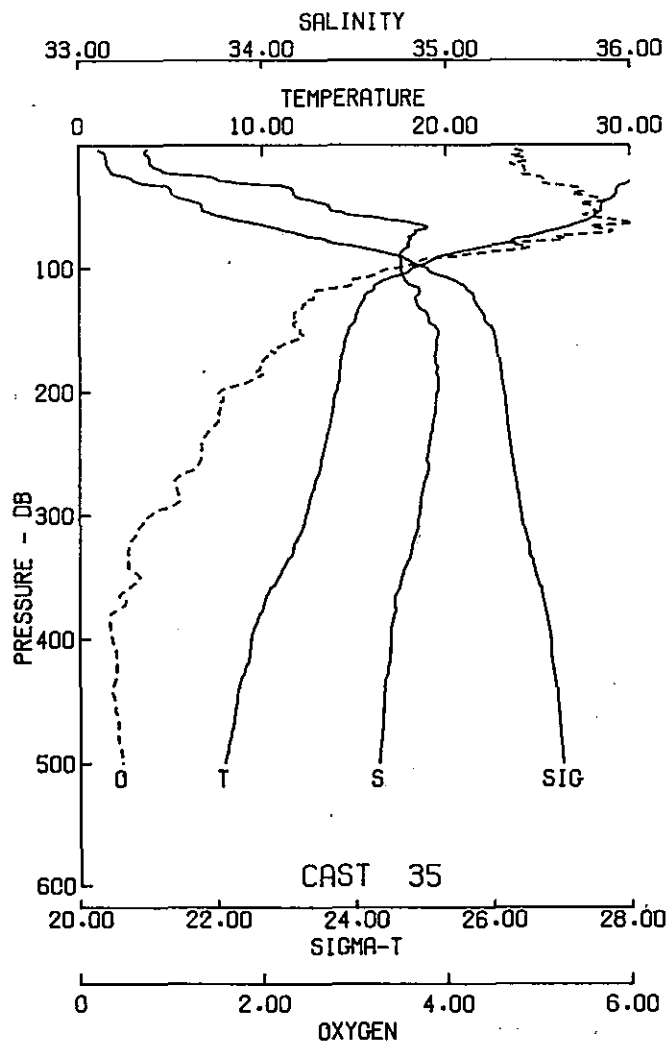
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	30.440	32.991	5.24	20.088	3.000
2.	30.377	32.996	5.14	20.114	
10.	30.194	33.028	4.98	20.200	.076
20.	29.922	33.212	4.94	20.431	.151
30.	29.700	33.559	5.26	20.766	.222
40.	28.858	34.100	5.38	21.455	.289
50.	27.620	34.904	5.97	22.464	.349
60.	26.359	34.984	5.87	22.927	.401
70.	25.608	35.024	5.16	23.191	.450
80.	24.645	35.016	4.72	23.480	.495
90.	23.125	35.023	4.29	23.933	.537
100.	21.488	34.974	4.18	24.352	.575
110.	19.654	34.950	3.66	24.833	.609
120.	18.235	34.950	3.49	24.939	.640
130.	17.918	34.922	3.47	25.250	.669
140.	16.063	34.835	3.15	25.623	.696
150.	15.651	34.881	3.69	25.755	.719
160.	15.239	34.903	3.52	25.862	.742
170.	14.613	34.835	3.42	25.946	.763
180.	14.277	34.895	3.32	27.066	.784
190.	14.265	34.946	3.13	26.106	.864
200.	14.142	34.959	3.01	26.142	.827
250.	13.327	34.927	2.62	26.287	.917
300.	12.273	34.863	1.75	26.448	1.003
350.	10.972	34.776	.51	26.623	1.082
400.	10.020	34.730	.51	26.756	1.154
450.	8.588	34.647	.46	26.926	1.218
500.	7.926	34.625	.62	27.010	1.277
508.	7.827	34.621	.69	27.022	

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CAST EP2-83-RS-035 DATE 07 MAY 83 TIME 0214 GMT
LAT 04 00.4N LONG 095 00.1W

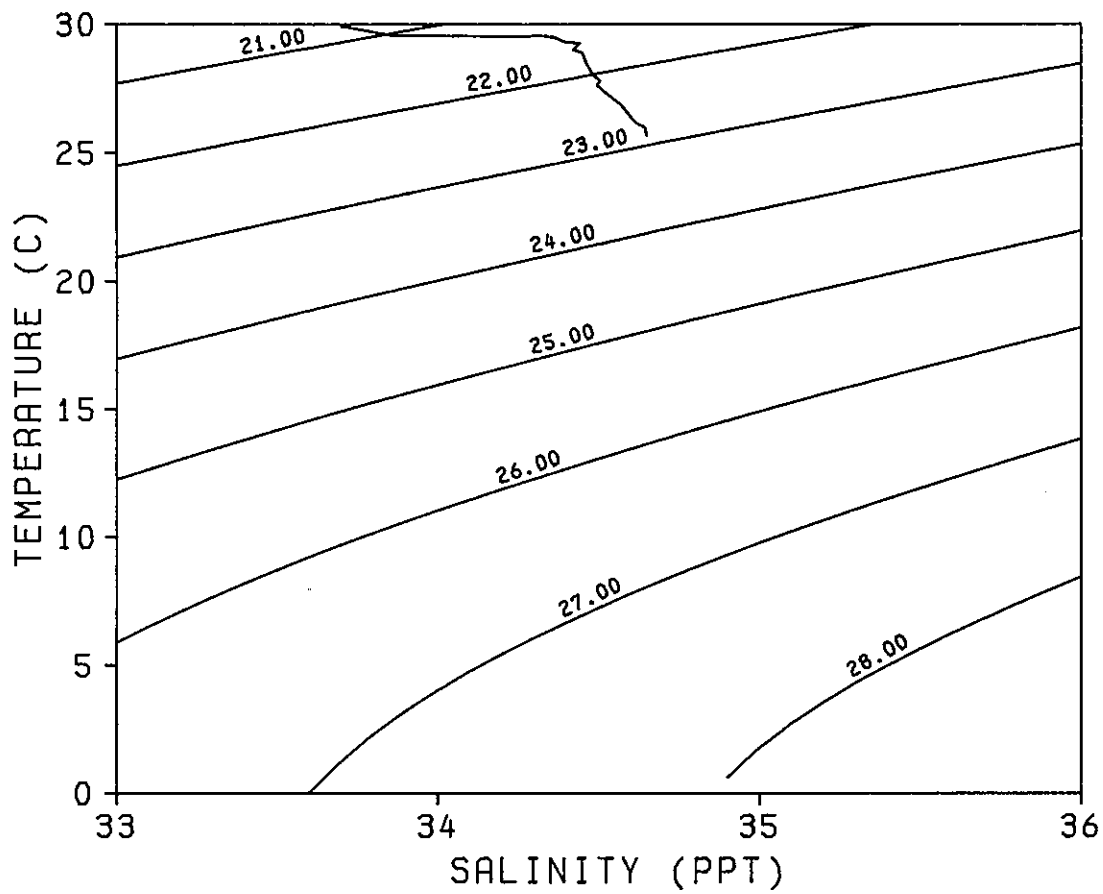


CAST EP2-83-RS-035 DATE 07 MAY 63 TIME 0214 GMT
 LAT 04 03.4N LONG 095 00.1W WEATHER 2 SEA STATE 1
 BAROMETER 99 WIND DIR 000 T SPD 00 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 29.0 WET 26.0 DEPTH M

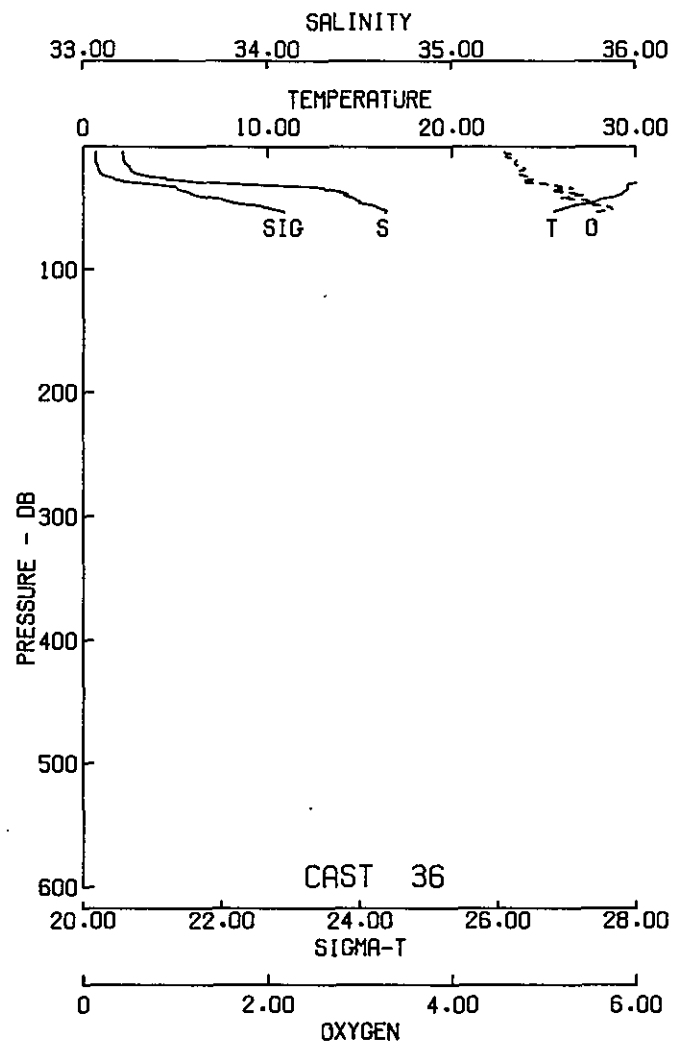


PRES (DB)	TEMP (C)	SAL (DPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	31.075	33.789	4.64	20.166	0.000
4.	30.657	33.379	4.77	20.304	
10.	30.369	33.391	4.82	20.412	.374
20.	30.331	33.457	4.86	20.474	.148
30.	29.972	33.832	5.11	20.678	.216
40.	29.274	34.178	5.38	21.374	.285
50.	28.426	34.365	5.60	21.796	.747
60.	27.837	34.655	5.72	22.207	.406
70.	25.739	34.830	5.81	23.005	.459
80.	23.375	34.796	4.68	23.489	.504
90.	19.901	34.755	4.17	24.619	.542
100.	18.170	34.758	3.47	25.062	.573
110.	16.614	34.773	3.97	25.444	.601
120.	15.762	34.856	2.57	25.708	.626
130.	15.344	34.848	3.44	25.796	.649
140.	15.084	34.905	3.15	25.897	.671
150.	14.710	34.956	2.42	26.018	.692
160.	14.492	34.949	2.29	26.068	.712
170.	14.352	34.941	2.97	26.084	.732
180.	14.230	34.954	1.97	26.120	.752
190.	14.161	34.955	1.89	26.133	.771
200.	13.994	34.949	1.54	26.166	.790
250.	13.283	34.897	1.35	26.273	.884
300.	12.347	34.849	.79	26.423	.971
350.	10.844	34.752	.66	26.628	1.052
400.	9.368	34.694	.36	26.838	1.121
450.	8.572	34.654	.38	26.935	1.184
500.	7.916	34.628	.47	27.014	1.243

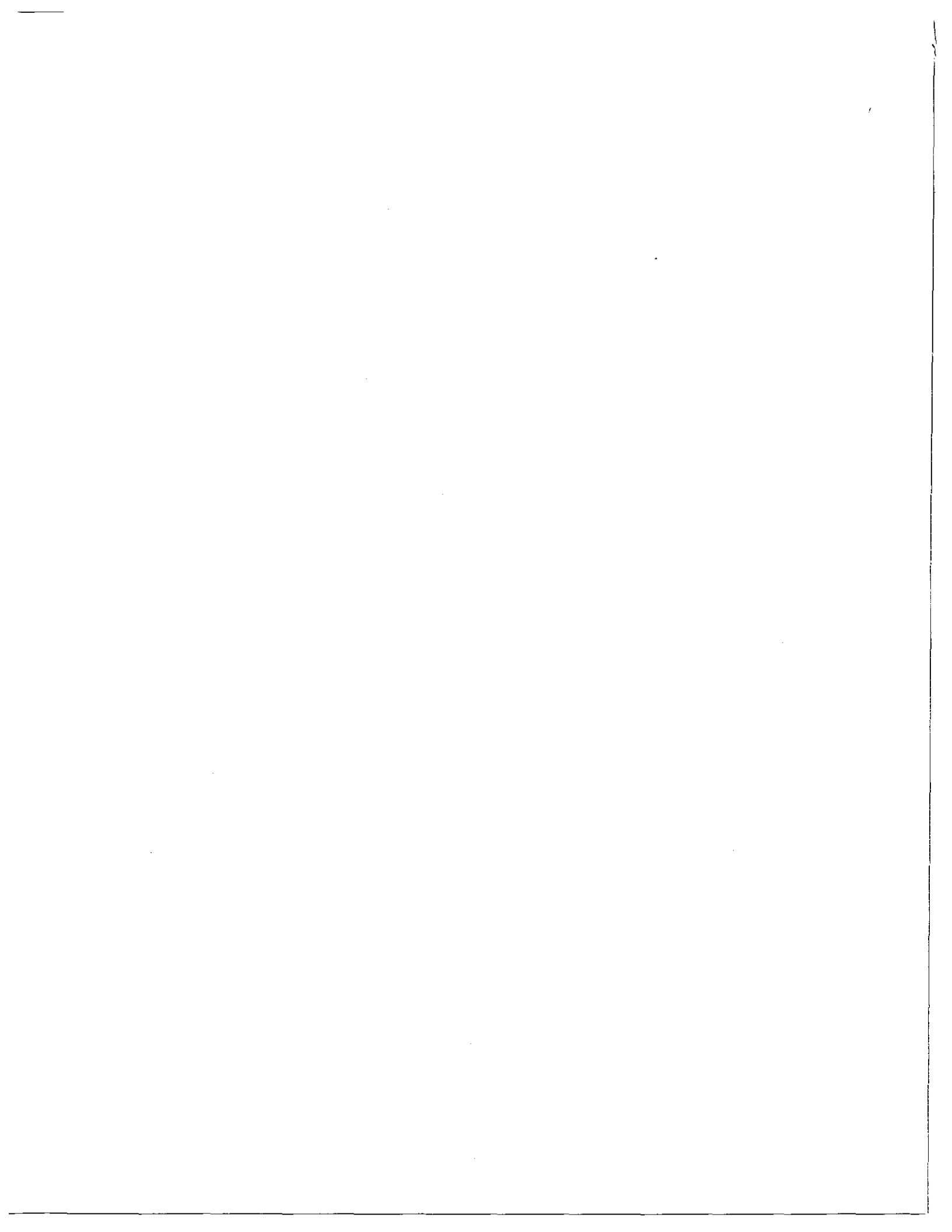
CAST EP2-83-RS-036 DATE 07 MAY 83 TIME 0816 GMT
LAT 05 00.0N LONG 095 00.0W



CAST EP2-83-RS-036 DATE 07 MAY 83 TIME 0816 GMT
 LAT 45 23.3N LONG 095 09.0W WEATHER 0 SEA STATE 3
 BAROMETER 30 WIND DIR 370 T SPD 10 KT VISIBILITY 7
 CLOUD 0 AMOUNT 0 RPY 30.0 WET 26.0 DPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-M)
0.	30.675	34.218	4.36	20.191	0.000
5.	30.644	34.219	4.58	20.188	
10.	30.648	34.221	4.67	20.188	.075
20.	30.595	34.266	4.76	20.241	.151
30.	29.922	34.703	4.92	20.799	.225
40.	28.994	34.417	5.44	21.646	.289
50.	26.358	34.398	5.73	22.638	.347
54.	25.567	34.636	5.55	22.912	

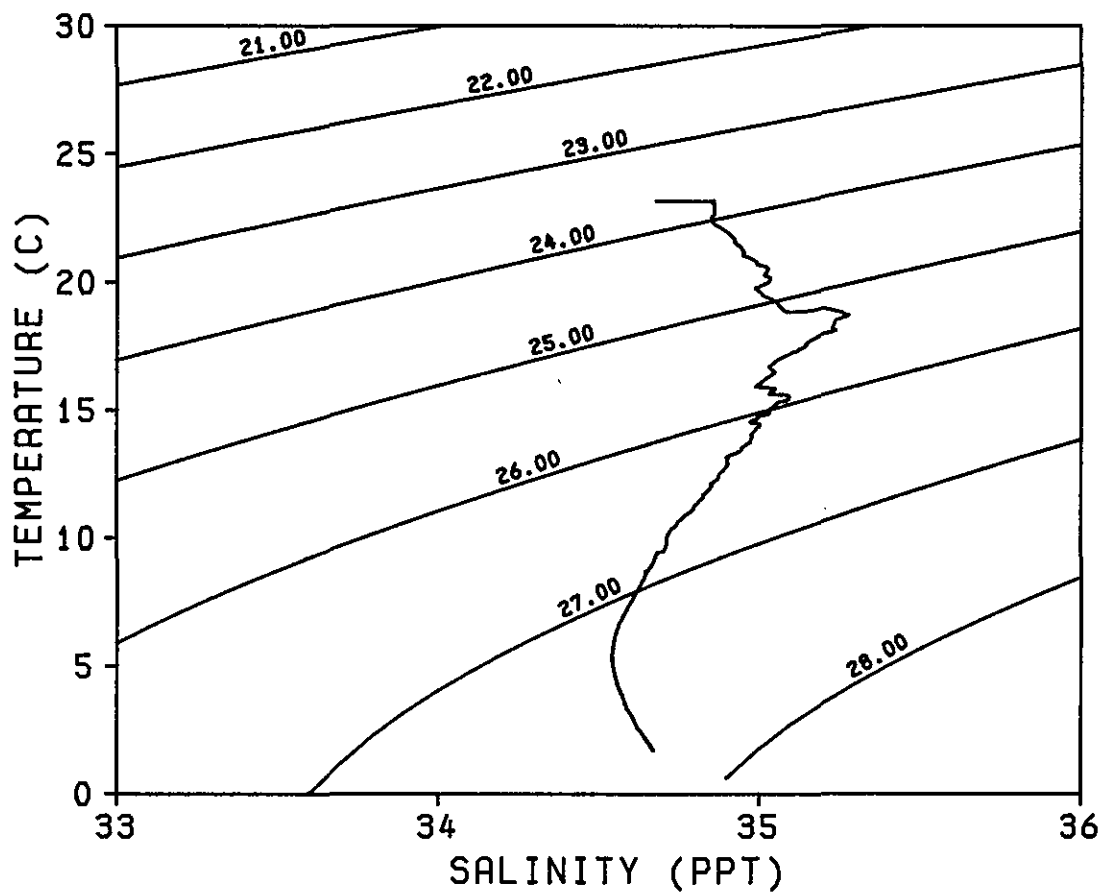


EP5-83-DI

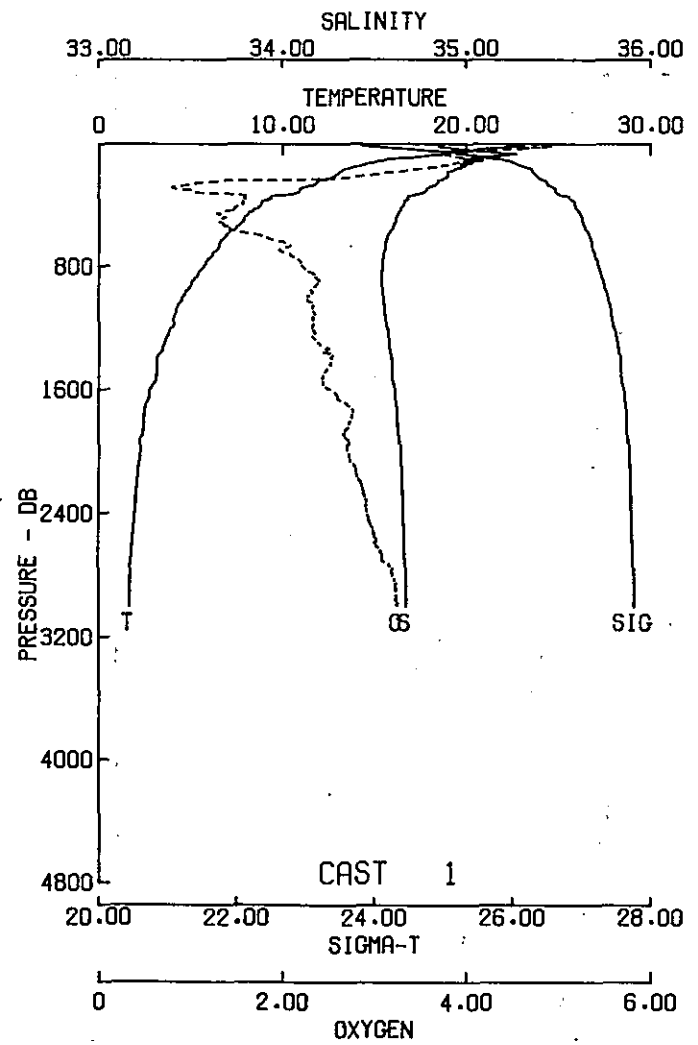
7 October - 6 November 1983

NBIS CTD/O₂ Data Summary

CAST EP5-83-DI-001 DATE 16 OCT 83 TIME 2208 GMT
LAT 00 03.2N LONG 149 48.4W



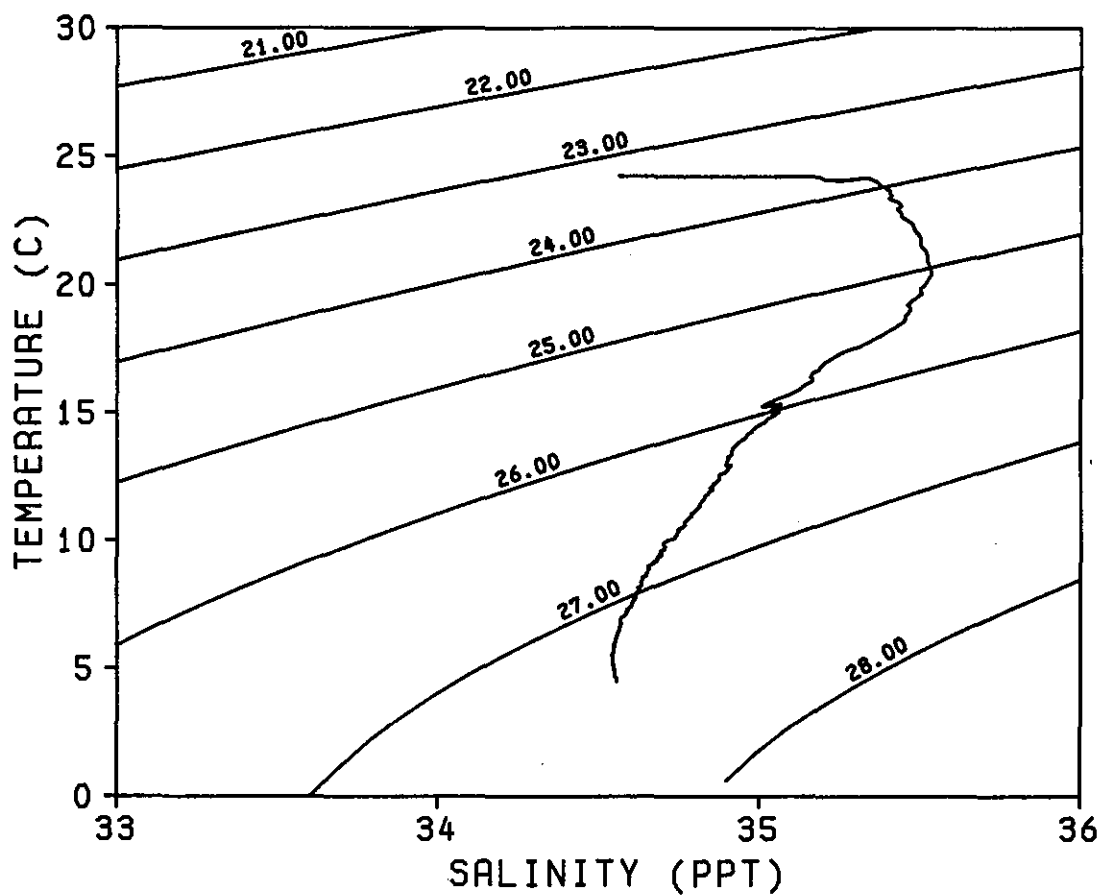
CAST FFF-27-DI-1 DATE 16 OCT 83 TIME 2200 GMT
 LAT 00 07.2N LONG 149 48.4W WEATHER 1 SEA STATE 7
 BAROMETER 11 WIND DIR 091 T SPD 12 KT VISIBILITY 8
 CLCUD 1 AMOUNT 1 CPY 24.5 WFT 22.3 DEPTH 4275 M



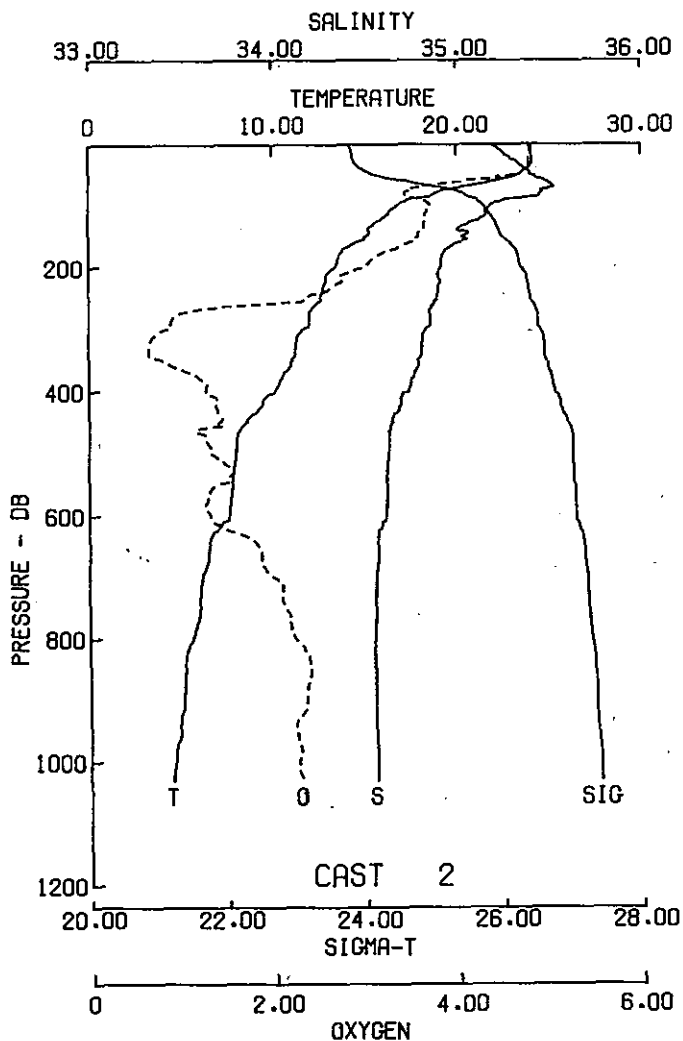
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (OXY-M)
0	23.142	34.683	4.886	27.660	0.000
10	23.048	34.857	4.880	27.660	0.000
20	22.977	34.853	4.882	27.660	0.000
30	21.350	34.842	4.861	27.660	0.000
40	20.491	34.827	4.823	27.660	0.000
50	19.059	34.806	4.800	27.660	0.000
60	18.592	34.809	4.800	27.660	0.000
70	18.456	34.832	4.800	27.660	0.000
80	17.647	34.816	4.800	27.660	0.000
90	16.690	34.857	4.800	27.660	0.000
100	15.841	34.857	4.817	27.660	0.000
110	15.576	34.894	4.802	27.660	0.000
120	15.111	34.890	4.811	27.660	0.000
130	14.674	34.892	4.811	27.660	0.000
140	14.444	34.892	4.811	27.660	0.000
150	14.222	34.892	4.811	27.660	0.000
160	14.000	34.892	4.811	27.660	0.000
170	13.835	34.892	4.811	27.660	0.000
180	13.637	34.892	4.811	27.660	0.000
190	13.494	34.892	4.811	27.660	0.000
200	13.398	34.892	4.811	27.660	0.000
220	12.996	34.892	4.811	27.660	0.000
240	12.677	34.892	4.811	27.660	0.000
260	12.412	34.892	4.811	27.660	0.000
280	12.224	34.892	4.811	27.660	0.000
300	12.085	34.892	4.811	27.660	0.000
320	11.885	34.892	4.811	27.660	0.000
340	11.685	34.892	4.811	27.660	0.000
360	11.485	34.892	4.811	27.660	0.000
380	11.285	34.892	4.811	27.660	0.000
400	11.085	34.892	4.811	27.660	0.000
420	10.885	34.892	4.811	27.660	0.000
440	10.685	34.892	4.811	27.660	0.000
460	10.485	34.892	4.811	27.660	0.000
480	10.285	34.892	4.811	27.660	0.000
500	10.085	34.892	4.811	27.660	0.000
520	9.885	34.892	4.811	27.660	0.000
540	9.685	34.892	4.811	27.660	0.000
560	9.485	34.892	4.811	27.660	0.000
580	9.285	34.892	4.811	27.660	0.000
600	9.085	34.892	4.811	27.660	0.000
620	8.885	34.892	4.811	27.660	0.000
640	8.685	34.892	4.811	27.660	0.000
660	8.485	34.892	4.811	27.660	0.000
680	8.285	34.892	4.811	27.660	0.000
700	8.085	34.892	4.811	27.660	0.000
720	7.885	34.892	4.811	27.660	0.000
740	7.685	34.892	4.811	27.660	0.000
760	7.485	34.892	4.811	27.660	0.000
780	7.285	34.892	4.811	27.660	0.000
800	7.085	34.892	4.811	27.660	0.000
820	6.885	34.892	4.811	27.660	0.000
840	6.685	34.892	4.811	27.660	0.000
860	6.485	34.892	4.811	27.660	0.000
880	6.285	34.892	4.811	27.660	0.000
900	6.085	34.892	4.811	27.660	0.000
920	5.885	34.892	4.811	27.660	0.000
940	5.685	34.892	4.811	27.660	0.000
960	5.485	34.892	4.811	27.660	0.000
980	5.285	34.892	4.811	27.660	0.000
1000	5.085	34.892	4.811	27.660	0.000
1020	4.885	34.892	4.811	27.660	0.000
1040	4.685	34.892	4.811	27.660	0.000
1060	4.485	34.892	4.811	27.660	0.000
1080	4.285	34.892	4.811	27.660	0.000
1100	4.085	34.892	4.811	27.660	0.000
1120	3.885	34.892	4.811	27.660	0.000
1140	3.685	34.892	4.811	27.660	0.000
1160	3.485	34.892	4.811	27.660	0.000
1180	3.285	34.892	4.811	27.660	0.000
1200	3.085	34.892	4.811	27.660	0.000
1220	2.885	34.892	4.811	27.660	0.000
1240	2.685	34.892	4.811	27.660	0.000
1260	2.485	34.892	4.811	27.660	0.000
1280	2.285	34.892	4.811	27.660	0.000
1300	2.085	34.892	4.811	27.660	0.000
1320	1.885	34.892	4.811	27.660	0.000
1340	1.685	34.892	4.811	27.660	0.000
1360	1.485	34.892	4.811	27.660	0.000
1380	1.285	34.892	4.811	27.660	0.000
1400	1.085	34.892	4.811	27.660	0.000
1420	0.885	34.892	4.811	27.660	0.000
1440	0.685	34.892	4.811	27.660	0.000
1460	0.485	34.892	4.811	27.660	0.000
1480	0.285	34.892	4.811	27.660	0.000
1500	0.085	34.892	4.811	27.660	0.000

325

CAST EP5-83-DI-002 DATE 17 OCT 83 TIME 2204 GMT
LAT 0 02.7S LONG 145 00.0W

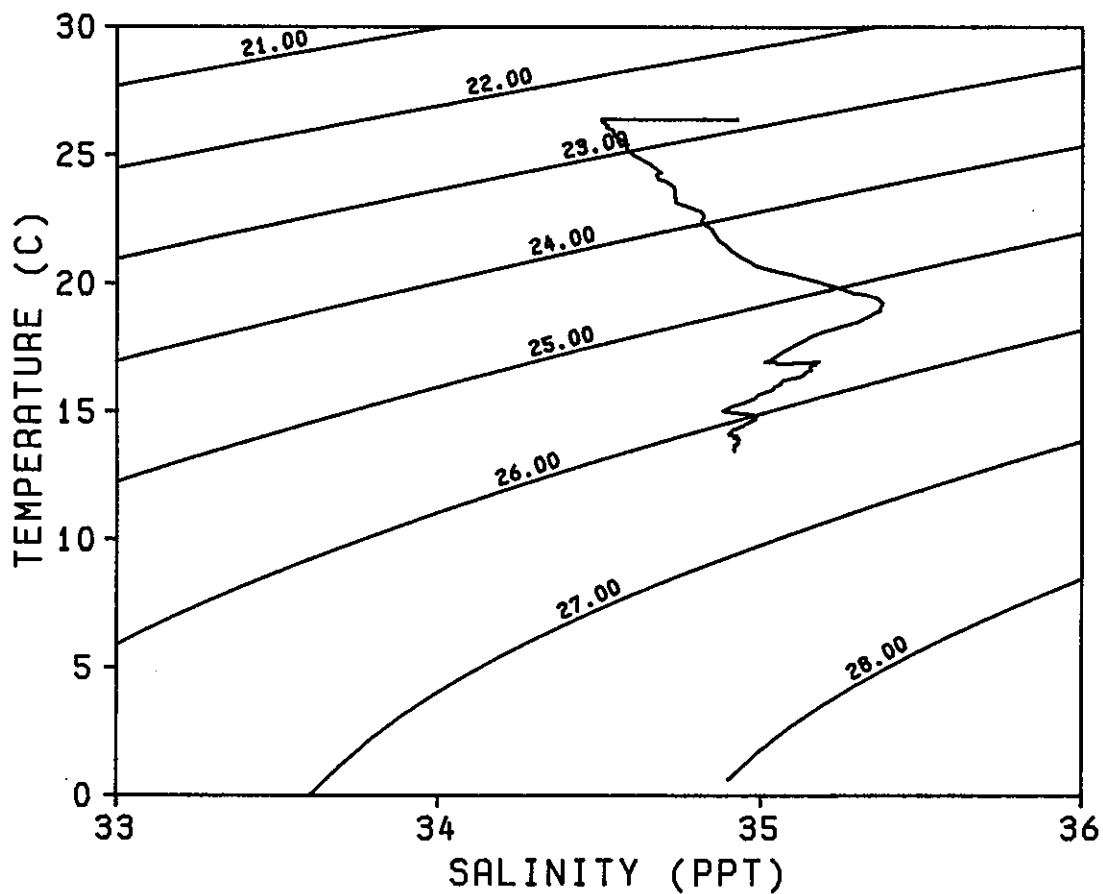


CAST FFR-93-01-012 DATE 17 OCT 93 TIME 22:4 GMT
 LAT 32.75 LONG 145.00.00 WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 170 T SOD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 DRY 14.2 WET 22.5 DEPTH 4357 M

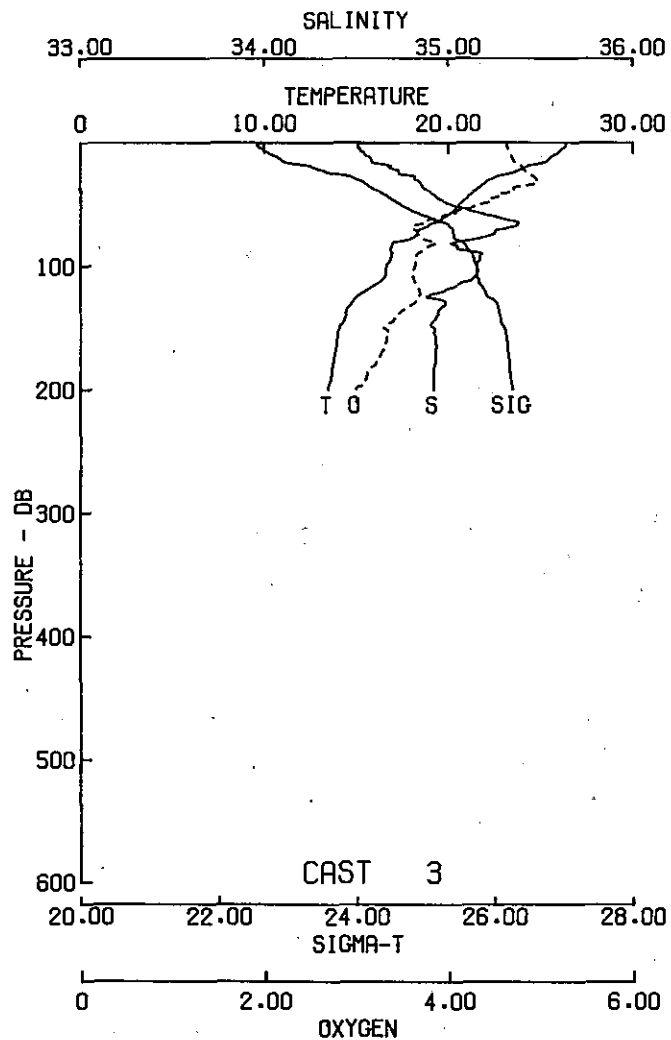


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.223	34.563	4.78	23.263	0.200
10.	24.051	34.240	4.80	23.826	.241
20.	24.110	34.285	4.79	23.943	.082
30.	24.130	34.340	4.79	23.878	.123
40.	23.876	34.372	4.81	23.977	.164
50.	23.335	34.397	4.82	24.155	.205
60.	22.048	34.481	4.81	24.587	.246
70.	20.392	34.533	4.81	24.681	.287
80.	18.832	34.456	4.84	25.429	.328
90.	17.420	34.268	4.84	25.636	.369
100.	16.745	34.184	4.81	25.733	.410
110.	16.343	34.154	4.80	25.803	.451
120.	16.021	34.134	4.80	25.863	.492
130.	15.554	34.063	4.80	25.914	.533
140.	15.201	34.008	4.80	25.951	.574
150.	15.067	34.043	4.80	25.907	.615
160.	14.516	34.003	4.80	26.097	.656
170.	13.911	34.948	4.80	26.189	.697
180.	13.636	34.921	4.80	26.219	.738
190.	13.550	34.915	4.80	26.233	.779
200.	13.409	34.913	4.80	26.260	.820
250.	12.624	34.892	4.80	26.400	.861
300.	11.676	34.828	4.80	26.535	.902
350.	11.015	34.785	4.80	26.623	.943
400.	10.088	34.738	4.80	26.751	.984
450.	8.531	34.638	4.80	26.928	1.025
500.	7.980	34.625	4.80	27.008	1.066
550.	7.768	34.617	4.80	27.027	1.107
600.	7.595	34.609	4.80	27.047	1.148
650.	6.484	34.565	4.80	27.167	1.189
700.	6.113	34.555	4.80	27.207	1.230
750.	5.977	34.550	4.80	27.221	1.271
800.	5.579	34.546	4.80	27.258	1.312
850.	5.156	34.544	4.80	27.317	1.353
900.	5.077	34.547	4.80	27.329	1.394
950.	4.865	34.551	4.80	27.356	1.435
1000.	4.599	34.555	4.80	27.389	1.476
1031.	4.485	34.555	4.80	27.402	

CAST EP5-83-DI-003 DATE 19 OCT 83 TIME 0528 GMT
LAT 0 01.7S LONG 141 56.3W

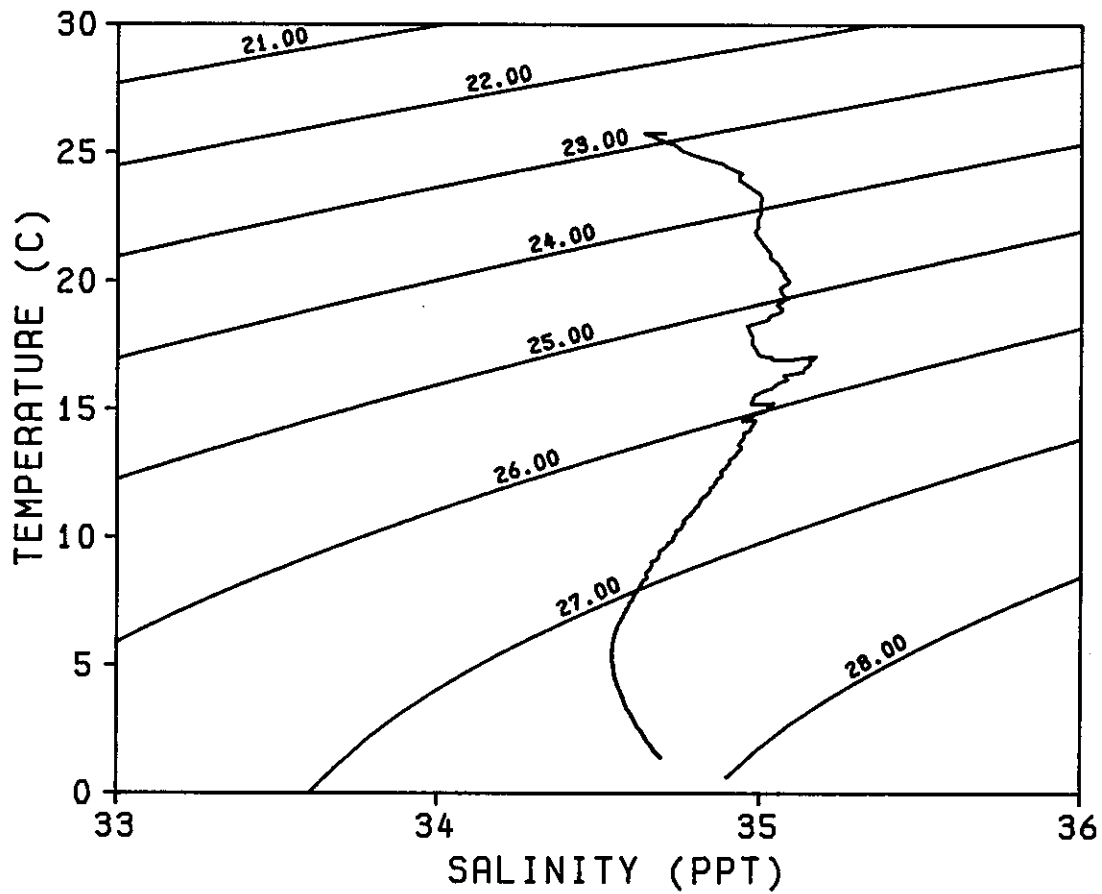


CAST FPS-P3-DI-003 DATE 19 OCT 83 TIME 0528 GMT
 LAT 0 01.7S LONG 141 56.34 WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 090 T SPD 18 KT VISIBILITY 8
 CLOUD 3 AMOUNT 4 DRY 25.5 WET 22.8 DEPTH 4513 M

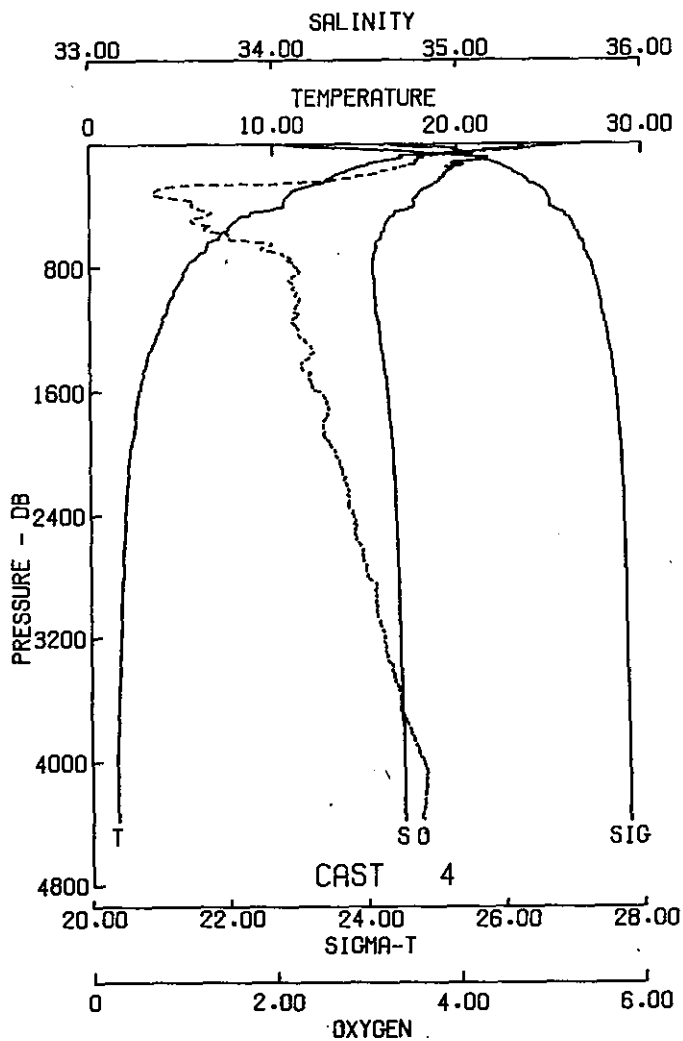


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-M)
0.	26.400	34.924	4.63	22.870	0.000
10.	25.790	34.545	4.68	22.774	.052
20.	24.222	34.675	4.80	22.734	.101
30.	22.724	34.815	4.96	22.804	.147
40.	21.333	34.899	4.66	22.844	.181
50.	20.597	35.003	4.35	22.823	.217
60.	19.794	35.249	3.93	22.823	.247
70.	18.501	35.304	3.62	22.896	.275
80.	17.364	35.073	3.82	22.800	.301
90.	16.958	35.183	3.66	22.881	.325
100.	16.428	35.155	3.63	22.878	.348
110.	16.482	35.137	3.62	22.858	.371
120.	15.514	34.983	3.69	22.862	.394
130.	14.746	34.985	3.63	22.833	.415
140.	14.382	34.935	3.44	22.873	.435
150.	14.036	34.922	3.28	22.836	.455
160.	13.900	34.921	3.33	22.818	.474
170.	13.803	34.929	3.27	22.819	.493
180.	13.680	34.922	3.20	22.811	.511
190.	13.585	34.920	3.10	22.820	.530
200.	13.433	34.917	2.99	22.858	.549

CAST EP5-83-DI-004 DATE 21 OCT 83 TIME 0800 GMT
LAT 0 05.1S LONG 140 12.1W

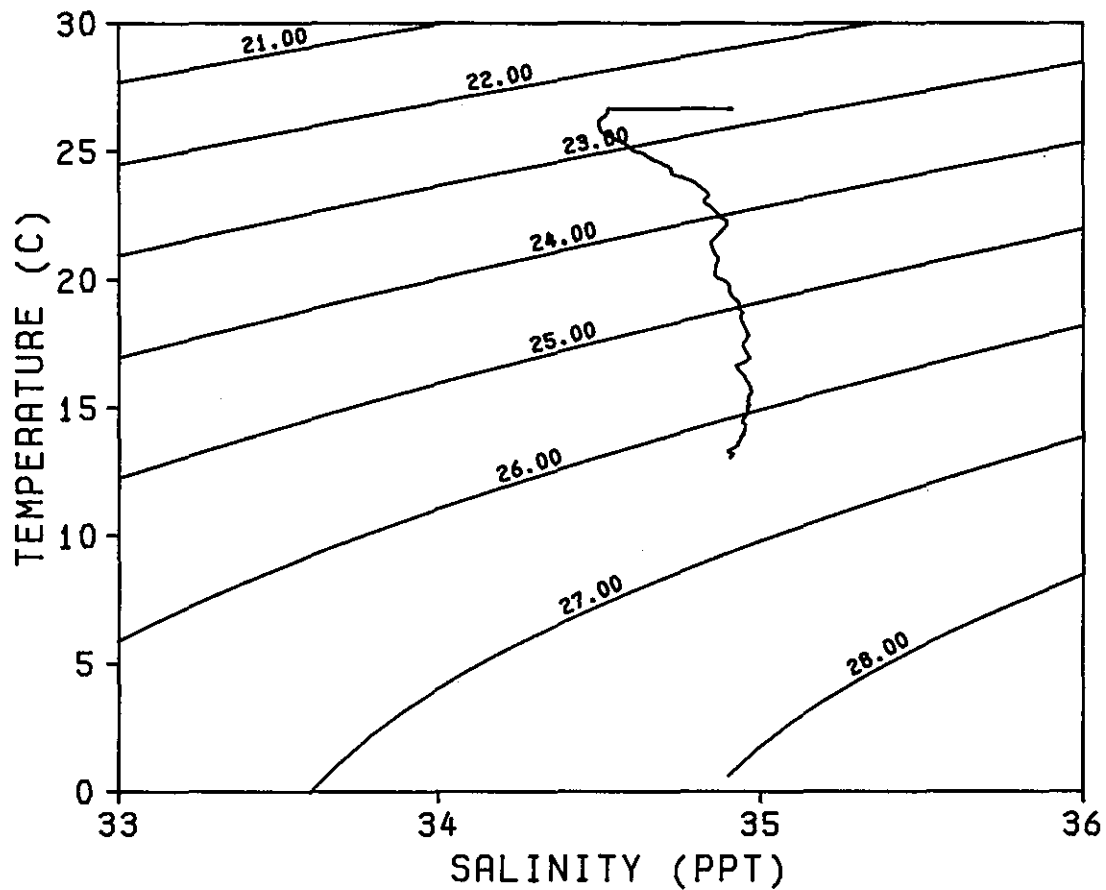


CAST FP5-83-01-054 DATE 21 OCT 83 TIME 0830 GMT
 LAT 0 05.1S LONG 140 12.1W WEATHER 1 SEA STATE 7
 BAROMETER 13 WIND DIR 090 T SPD 13 KT VISIBILITY 6
 CLOUD 8 AMOUNT 2 DRY 23.6 WET 22.8 DEPTH 4465 M

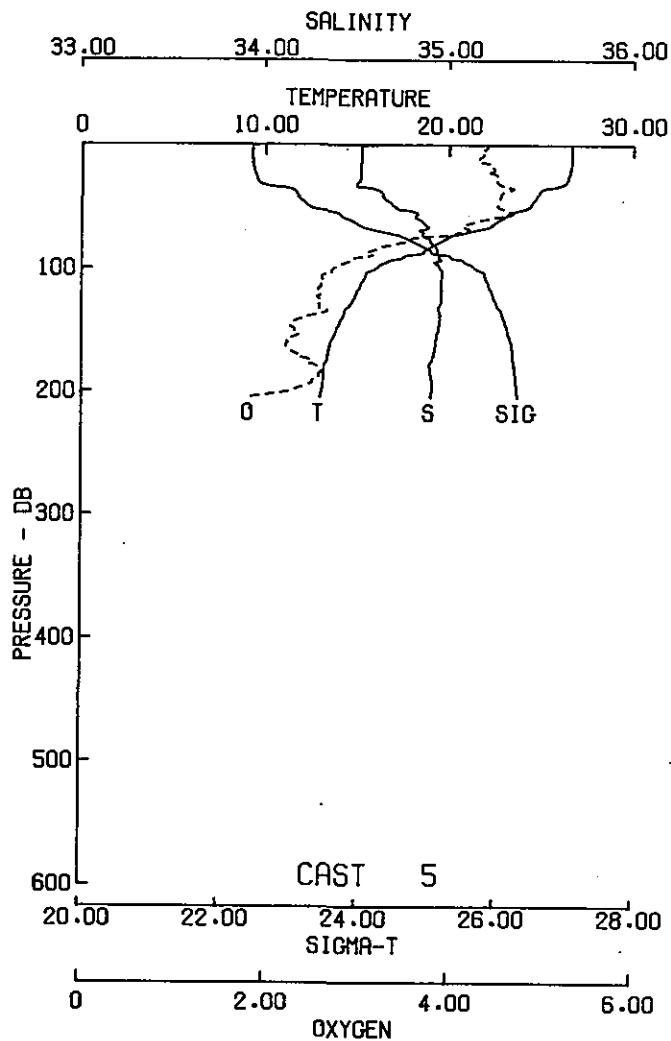


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-M)
0.	25.775	34.674	4.67	22.876	0.000
1.	25.764	34.702	4.67	22.881	
10.	25.706	34.650	4.68	22.889	.050
20.	24.801	34.816	4.75	23.281	.099
30.	23.216	35.004	4.77	23.892	.142
40.	21.783	34.987	4.54	24.386	.181
50.	20.709	35.051	4.31	24.629	.215
60.	19.714	35.060	3.99	24.899	.247
70.	18.486	35.023	3.84	25.184	.277
80.	16.913	35.051	3.73	25.591	.302
90.	17.061	35.165	3.59	25.643	.326
100.	16.746	35.151	3.57	25.707	.350
110.	16.144	35.085	3.55	25.797	.373
120.	15.538	34.982	3.57	25.856	.395
130.	15.201	35.002	3.53	25.946	.416
140.	15.074	35.025	3.47	25.992	.437
150.	14.613	34.954	3.40	26.078	.458
160.	14.487	34.981	3.35	26.086	.478
170.	14.205	34.973	3.27	26.138	.497
180.	14.040	34.949	3.20	26.157	.516
190.	13.818	34.946	3.14	26.201	.535
200.	13.566	34.932	3.07	26.242	.554
250.	12.757	34.896	2.83	26.378	.642
300.	11.301	34.811	2.74	26.592	.723
350.	10.762	34.775	2.92	26.661	.797
400.	8.594	34.767	1.13	26.685	.870
450.	8.843	34.663	1.33	26.899	.939
500.	7.999	34.626	1.12	27.000	.999
550.	7.564	34.605	1.25	27.049	1.056
600.	7.087	34.585	1.52	27.100	1.110
650.	6.424	34.559	2.00	27.170	1.162
700.	6.301	34.555	2.01	27.183	1.211
750.	5.789	34.544	2.20	27.244	1.259
800.	5.344	34.544	2.25	27.295	1.304
850.	5.114	34.545	2.25	27.323	1.349
900.	4.885	34.548	2.18	27.351	1.390
950.	4.626	34.551	2.24	27.383	1.431
1000.	4.452	34.554	2.29	27.405	1.471
1500.	2.920	34.610	2.38	27.603	1.814
2000.	2.171	34.646	2.67	27.699	2.088
2500.	1.887	34.662	2.88	27.733	2.331
3000.	1.691	34.673	3.10	27.755	2.567
3500.	1.540	34.685	3.32	27.776	2.790
4383.	1.428	34.695	3.60	27.792	

CAST EP5-83-DI-005 DATE 21 OCT 83 TIME 0543 GMT
LAT 01 30.9N LONG 140 26.0W

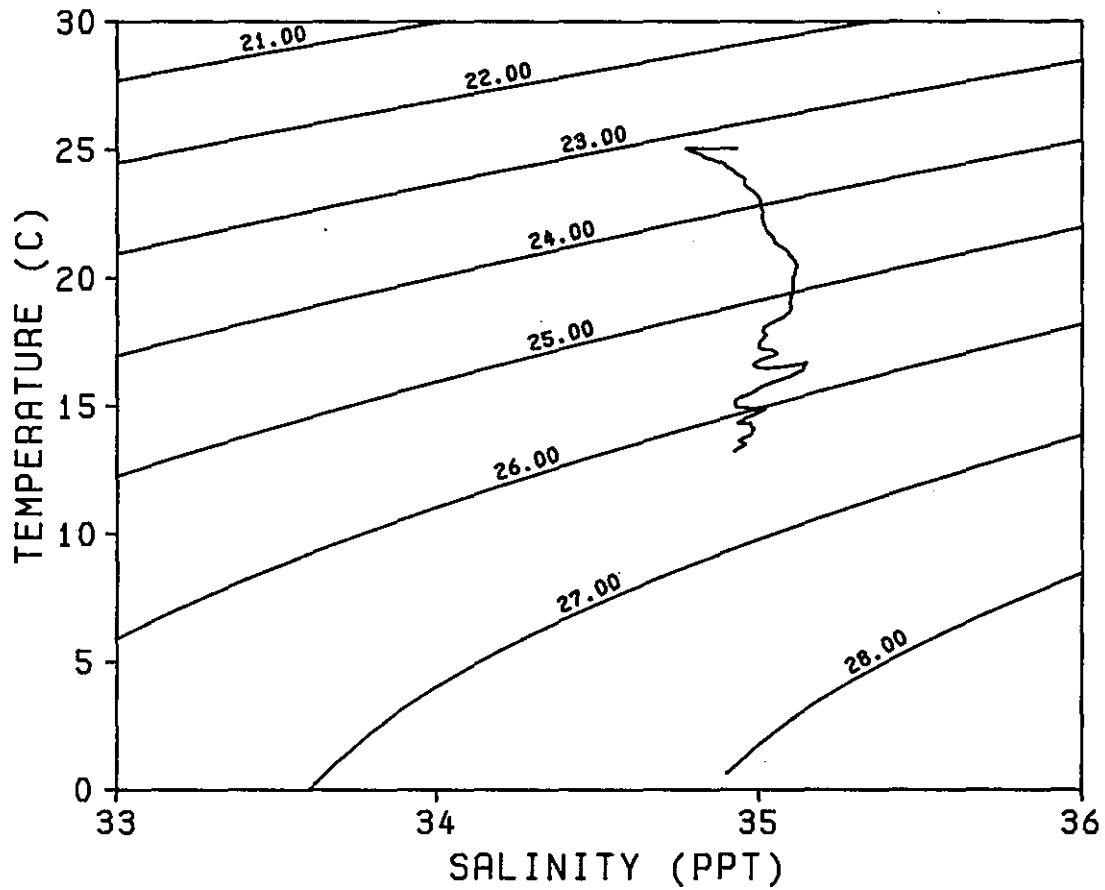


CAST EPF-83-DI-005 DATE 21 OCT 83 TIME 0543 GMT
 LAT 31 30.9N LONG 146 26.0W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 190 T SPD 14 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 24.5 WET 22.2 DEPTH 4376 M

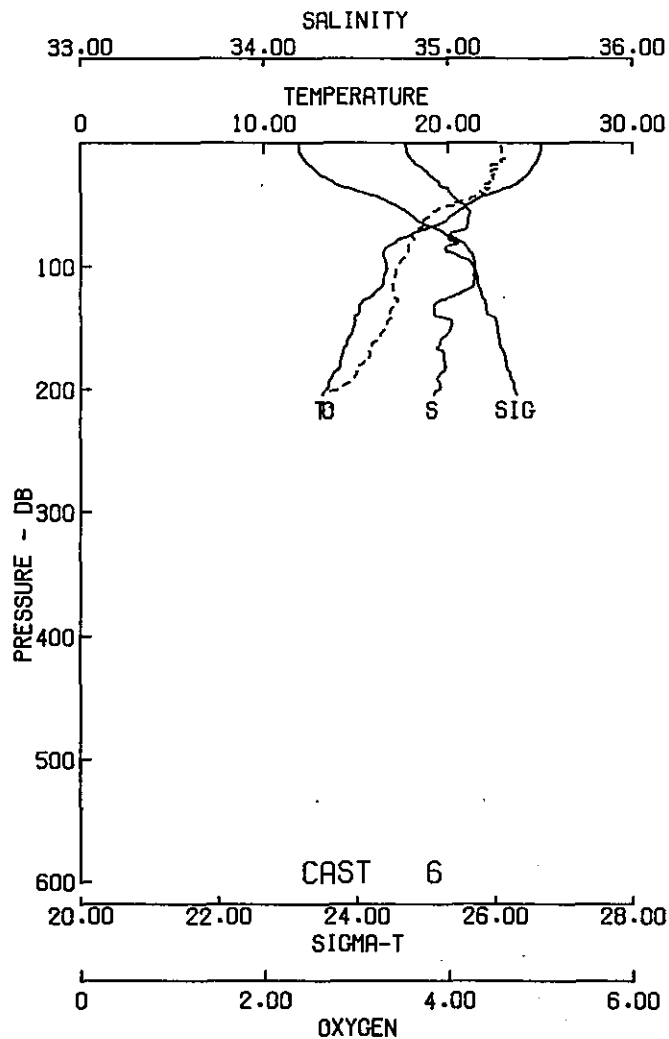


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-SI (DYN-M)
0.	26.653	34.908	4.43	22.777	0.366
10.	26.555	34.525	4.33	22.488	.054
20.	26.569	34.519	4.49	22.512	.107
30.	26.343	34.514	4.52	22.575	.150
40.	24.859	34.641	4.57	22.638	.210
50.	24.396	34.713	4.54	22.694	.257
60.	22.896	34.841	4.49	22.752	.300
70.	21.055	34.852	4.41	22.809	.339
80.	19.552	34.912	4.33	22.864	.372
90.	17.557	34.949	3.13	22.918	.401
100.	16.051	34.954	2.75	22.971	.425
110.	15.744	34.962	2.62	22.983	.448
120.	14.690	34.955	2.51	22.956	.479
130.	14.533	34.951	2.43	22.933	.489
140.	13.891	34.942	2.33	22.916	.509
150.	13.558	34.942	2.26	22.939	.534
160.	13.420	34.926	2.26	22.939	.547
170.	13.223	34.918	2.26	22.961	.566
180.	13.183	34.896	2.26	22.985	.583
190.	13.183	34.898	2.28	22.985	.593
200.	13.095	34.909	2.28	22.985	.610
205.	13.009	34.901	1.84	26.332	

CAST EP5-83-DI-006 DATE 21 OCT 83 TIME 2015 GMT
LAT 0 06.2S LONG 140 11.3W



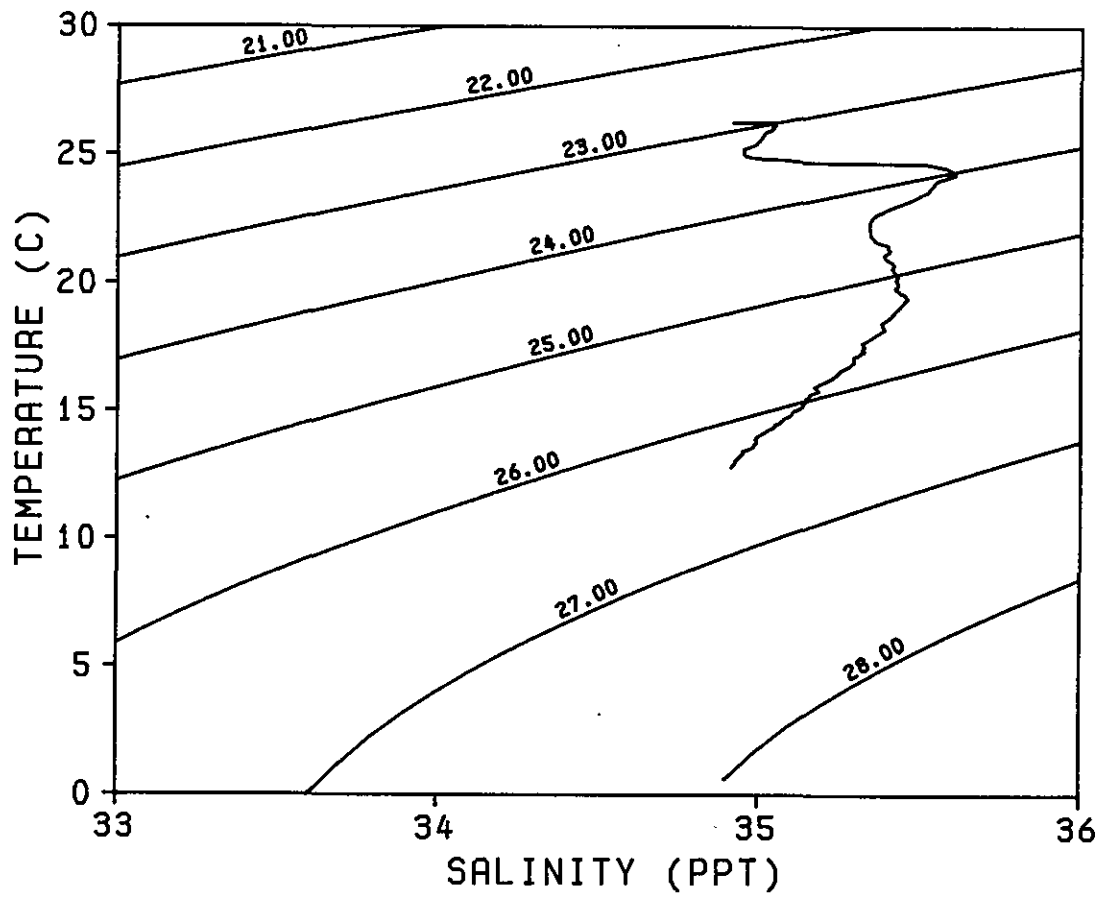
CAST EP5-P3-DI-006 DATE 21 OCT 83 TIME 2015 GMT
 LAT 0 06.2S LONG 140 11.3W WEATHER 1 SEA STATE 2
 BAROMETR 10 WIND DIR 075 T SPD 18 KT VISIBILITY 0
 CLOUD 8 AMOUNT 2 DRY 25.2 WET 22.1 DEPTH 4169 M



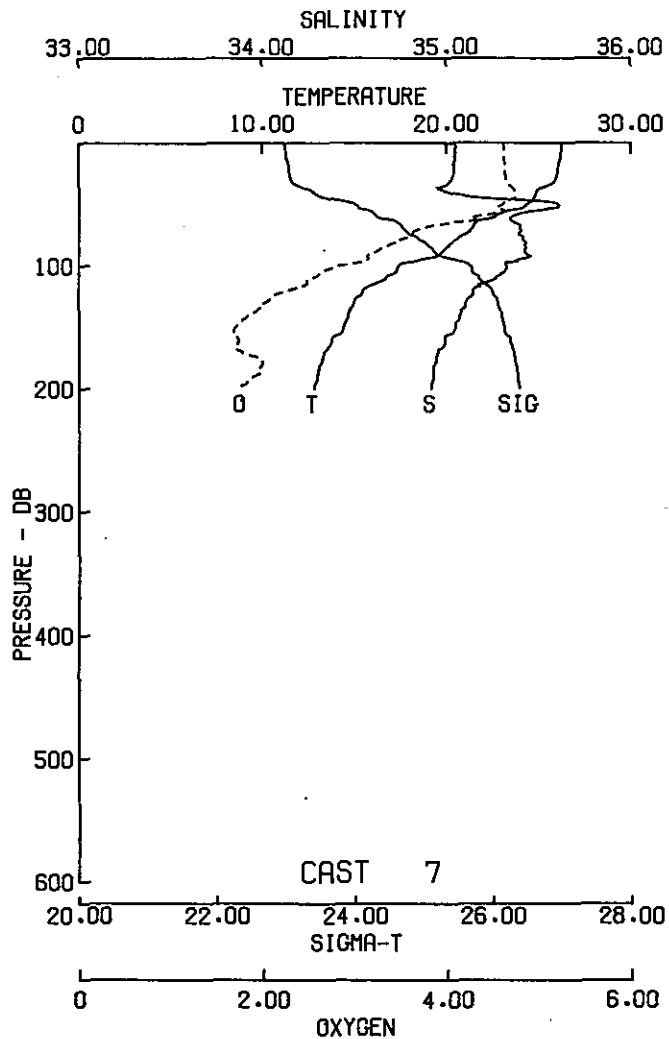
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-PS)
0.	25.042	34.827	4.73	23.292	0.000
10.	24.935	34.785	4.59	23.216	.047
20.	24.564	34.861	4.59	23.387	.093
30.	23.997	34.933	4.46	23.610	.137
40.	22.822	35.012	4.36	23.898	.178
50.	21.059	35.084	4.08	24.559	.214
60.	20.089	35.109	3.79	24.839	.247
70.	18.632	35.091	3.68	25.201	.277
80.	17.171	35.039	3.59	25.520	.304
90.	16.475	35.039	3.55	25.785	.328
100.	16.657	35.138	3.44	25.718	.351
110.	16.493	35.141	3.41	25.759	.374
120.	16.079	35.082	3.41	25.810	.397
130.	15.240	34.928	3.41	25.881	.419
140.	14.919	34.928	3.40	25.951	.440
150.	14.787	35.008	3.30	26.042	.460
160.	14.478	34.954	3.22	26.067	.481
170.	14.240	34.973	3.15	26.132	.500
180.	14.099	34.981	3.03	26.168	.518
190.	13.627	34.939	2.97	26.235	.535
200.	13.481	34.949	2.79	26.289	.556
204.	13.153	34.920	2.72	26.318	

335

CAST EP5-83-DI-007 DATE 23 OCT 83 TIME 0100 GMT
LAT 1 28.4S LONG 140 35.1W

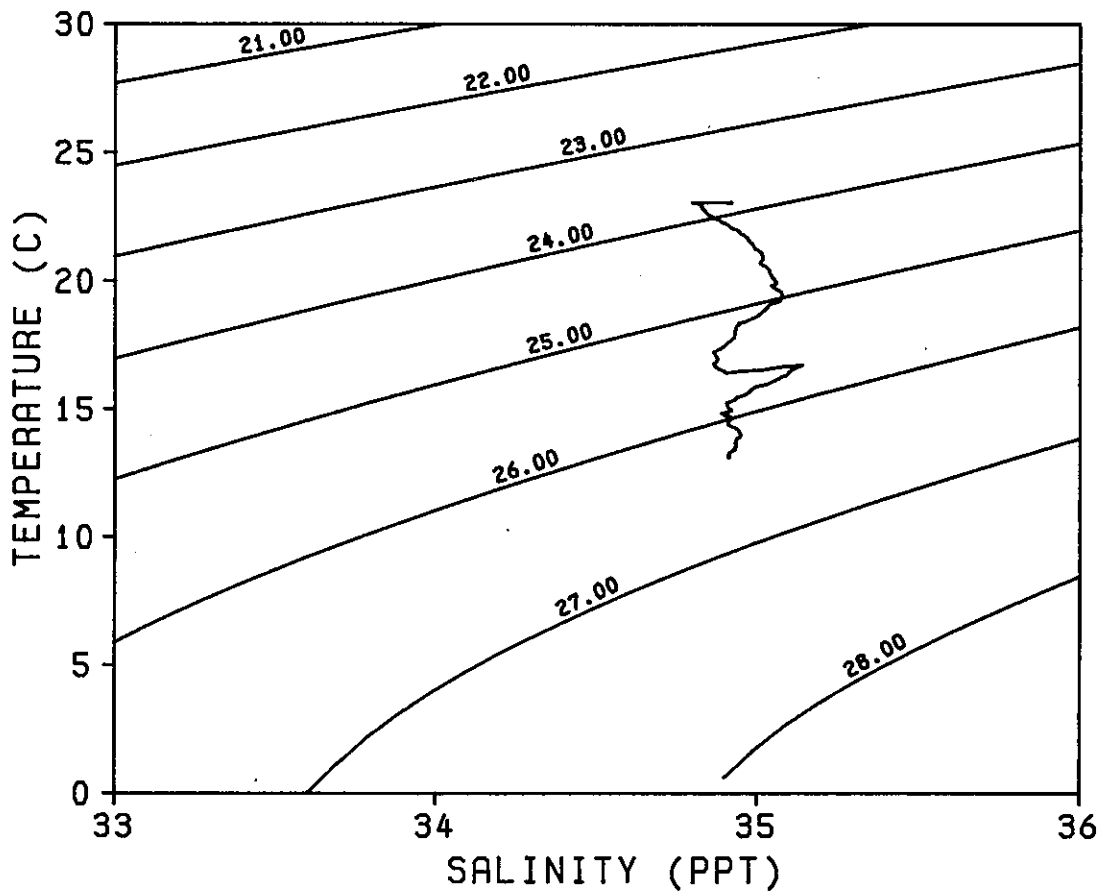


CAST EP5-83-DI-007 DATE 23 OCT 83 TIME 0100 GMT
 LAT 1 28.4S LONG 140 35.1W WEATHER 1 SEA STATE 7
 BAROMETER 05 WIND DIR 190 T SPD 20 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 26.7 WET 22.8 DEPTH 4516 M

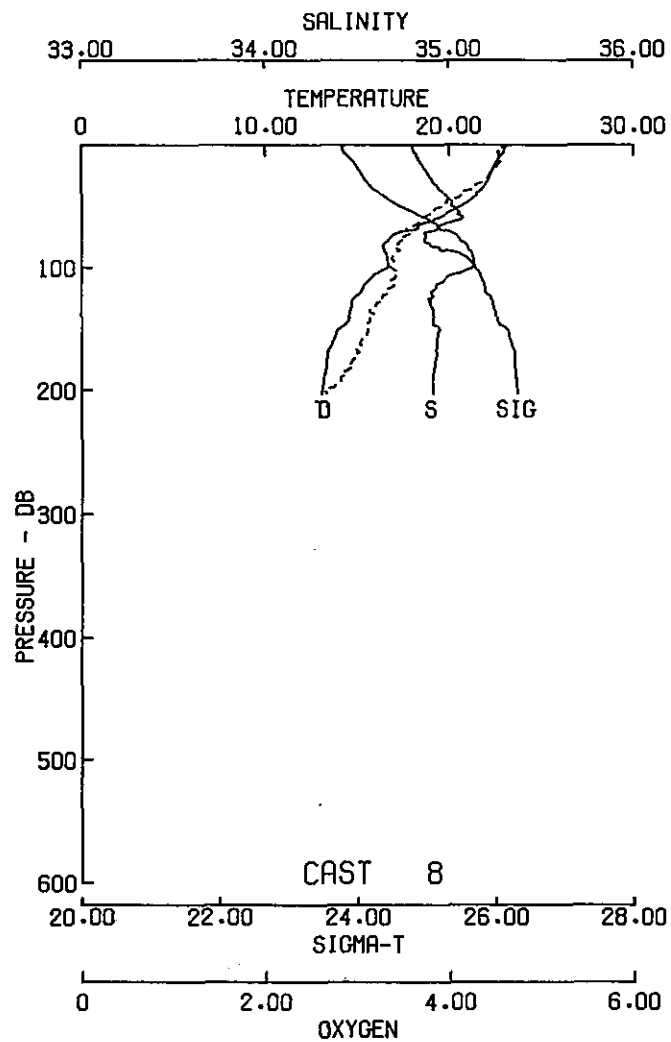


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.273	34.920	4.62	22.906	0.000
10.	26.220	34.950	4.63	23.021	.040
20.	26.079	34.965	4.64	23.062	.097
30.	25.945	34.983	4.65	23.095	.145
40.	24.868	34.993	4.74	23.394	.192
50.	24.374	34.985	4.62	24.004	.235
60.	22.673	34.955	4.34	24.320	.273
70.	21.382	34.955	3.97	24.709	.307
80.	20.433	34.965	3.46	24.984	.732
90.	19.703	34.955	3.20	25.128	.767
100.	17.419	34.955	2.86	25.674	.393
110.	16.699	34.955	2.55	25.807	.416
120.	15.480	34.955	2.30	25.891	.438
130.	14.973	34.955	2.03	26.078	.458
140.	14.612	34.955	1.86	26.129	.472
150.	14.371	34.955	1.71	26.161	.497
160.	13.730	34.988	1.73	26.251	.514
170.	13.333	34.952	1.77	26.306	.534
180.	13.131	34.934	2.00	26.333	.551
190.	12.955	34.925	1.91	26.361	.566
200.	12.780	34.914	1.77	26.388	.586

CAST EP5-83-DI-008 DATE 24 OCT 83 TIME 0248 GMT
LAT 0 00.4S LONG 136 57.1W

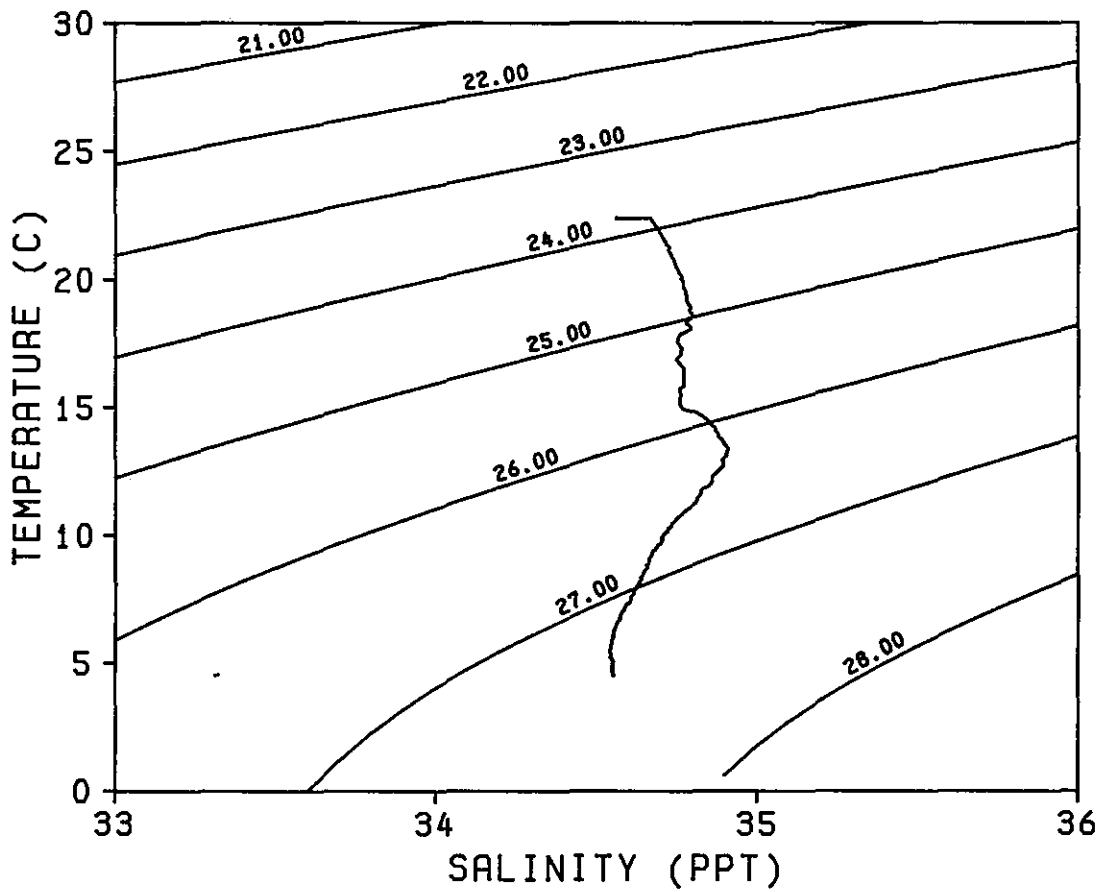


CAST EP5-R3-CI-008 DATE 24 OCT 83 TIME 0248 GMT
 LAT 06.4S LONG 136 57.1W WEATHER 1 SEA STATE 3
 BAROMETER DR WIND DIR 110 T SPD 16 KT VISIBILITY P
 CLOUD 8 AMOUNT 2 DRY 24.1 WFT 22.0 DEPTH 4004 M

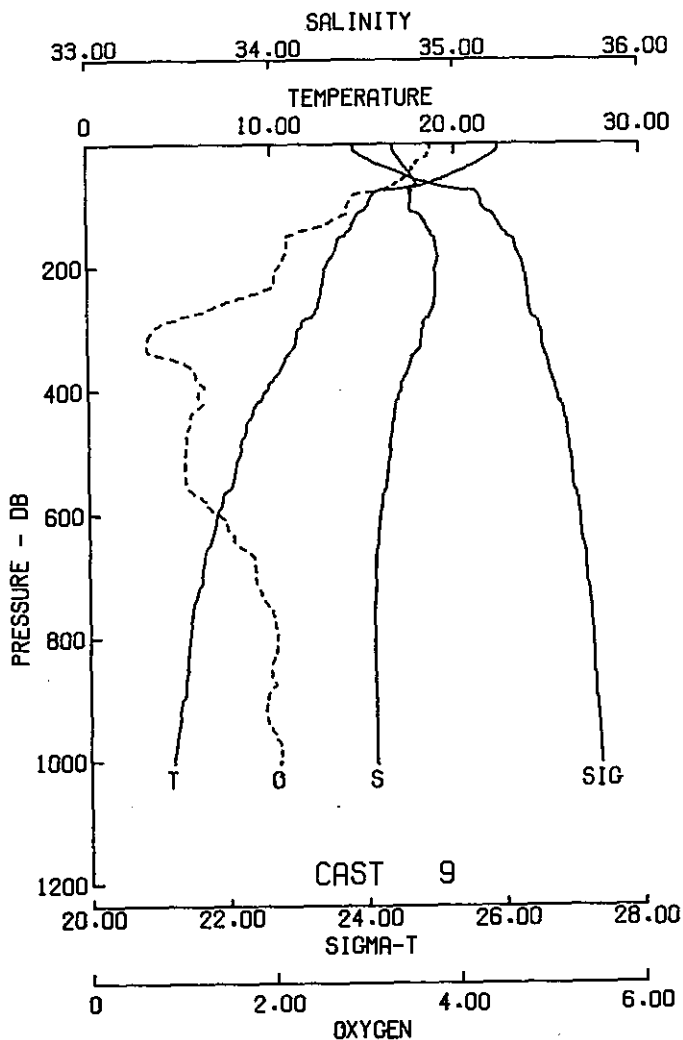


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-S (DYN-M)
0.	23.029	34.918	4.64	23.881	0.000
10.	22.766	34.820	4.53	23.889	.041
20.	22.378	34.873	4.51	24.033	.086
30.	22.062	34.916	4.37	24.155	.110
40.	21.507	34.975	4.16	24.354	.156
50.	20.657	35.007	3.94	24.600	.191
60.	19.353	35.078	3.72	25.000	.222
70.	17.762	34.927	3.59	25.090	.251
80.	16.535	34.881	3.45	25.050	.277
90.	16.731	35.070	3.41	25.072	.301
100.	16.651	35.132	3.37	25.071	.324
110.	15.702	34.979	3.39	25.816	.347
120.	15.215	34.905	3.34	25.867	.360
130.	14.722	34.899	3.21	25.972	.390
140.	14.567	34.916	3.16	26.019	.410
150.	14.032	34.946	3.11	26.156	.430
160.	13.679	34.932	3.05	26.218	.449
170.	13.402	34.932	3.00	26.276	.467
180.	13.324	34.921	2.90	26.283	.485
190.	13.194	34.910	2.82	26.301	.503
200.	13.103	34.911	2.65	26.320	.521
203.	13.091	34.912	2.67	26.324	

CAST EP5-83-DI-009 DATE 25 OCT 83 TIME 0723 GMT
LAT 0 01.5S LONG 134 09.2W



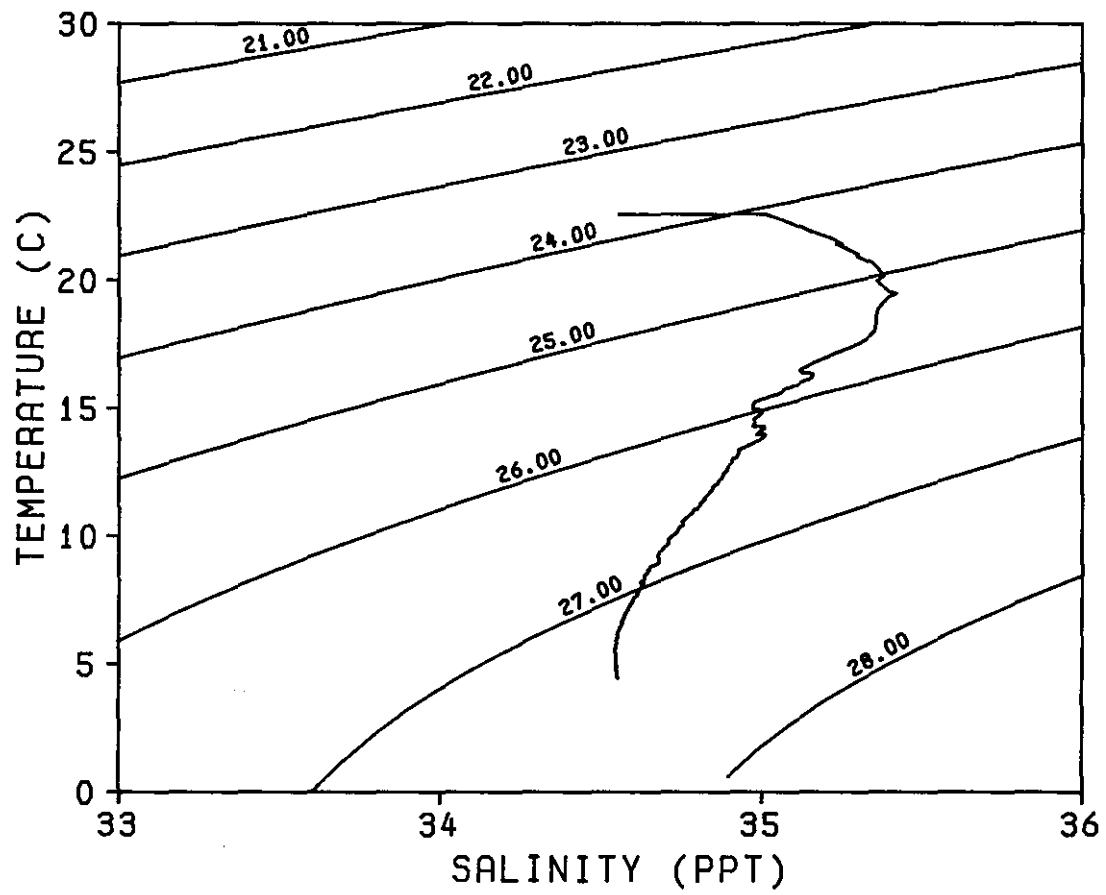
CAST EP5-R3-DI-009 DATE 25 OCT 83 TIME 0723 GMT
 LAT 0 01.5S LONG 134 09.2W WEATHFR 2 SEA STAFF 7
 BAROMETER 11 WIND DIR 096 T SPD 18 KT VISIBILITY 8
 CLOUD 8 AMOUNT 5 DRY 22.2 WET 21.6 DEPTH 4338 M



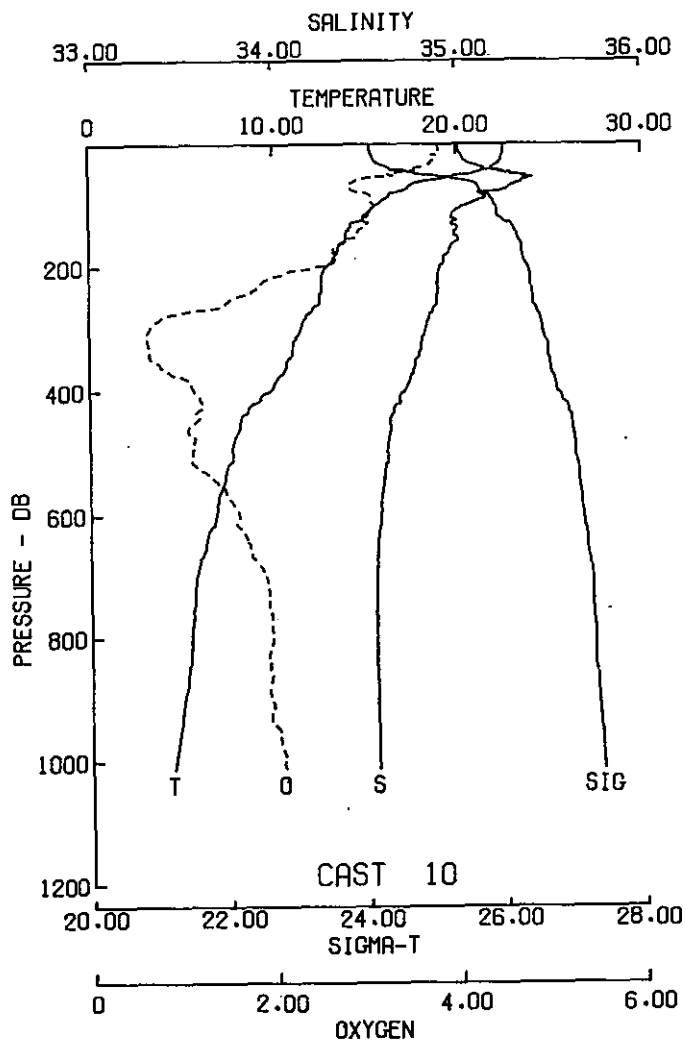
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-CM)
0	22.373	34.561	3.72	23.798	0.000
10	22.344	34.670	3.73	23.889	0.040
20	21.944	34.693	3.72	24.018	0.080
30	21.405	34.719	3.59	24.187	0.110
40	20.683	34.743	3.56	24.402	0.150
50	19.914	34.772	3.46	24.628	0.190
60	19.105	34.783	3.42	24.846	0.220
70	17.839	34.759	3.28	25.144	0.250
80	15.646	34.763	2.97	25.663	0.270
90	15.439	34.763	2.87	25.710	0.201
100	15.329	34.761	2.84	25.732	0.324
110	14.965	34.767	2.84	25.817	0.347
120	14.642	34.829	2.74	25.935	0.368
130	14.482	34.845	2.58	25.982	0.389
140	14.325	34.858	2.38	26.026	0.410
150	14.043	34.874	2.17	26.098	0.420
160	13.632	34.894	2.18	26.199	0.448
170	13.552	34.900	2.17	26.221	0.467
180	13.397	34.909	2.15	26.259	0.485
190	13.152	34.904	2.12	26.306	0.502
200	12.801	34.897	2.09	26.329	0.521
250	11.659	34.891	1.86	26.394	0.607
300	11.515	34.920	1.72	26.559	0.607
350	10.698	34.956	1.94	26.658	0.766
400	9.725	34.976	1.22	26.789	0.837
450	8.655	34.958	1.15	26.925	0.901
500	8.235	34.938	1.05	26.974	0.962
550	7.843	34.919	1.02	27.018	1.010
600	6.978	34.981	1.41	27.112	1.074
650	6.542	34.964	1.63	27.159	1.126
700	6.612	34.955	1.88	27.206	1.175
750	5.623	34.944	1.96	27.262	1.222
800	5.432	34.932	2.03	27.284	1.267
850	5.300	34.954	1.99	27.301	1.311
900	5.017	34.955	1.93	27.343	1.355
950	4.765	34.953	1.97	27.370	1.397
1000	4.533	34.954	2.07	27.396	1.437
1005	4.504	34.956	2.05	27.401	

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CAST EP5-83-DI-010 DATE 26 OCT 83 TIME 1454 GMT
LAT 00 00.4N LONG 129 59.5W

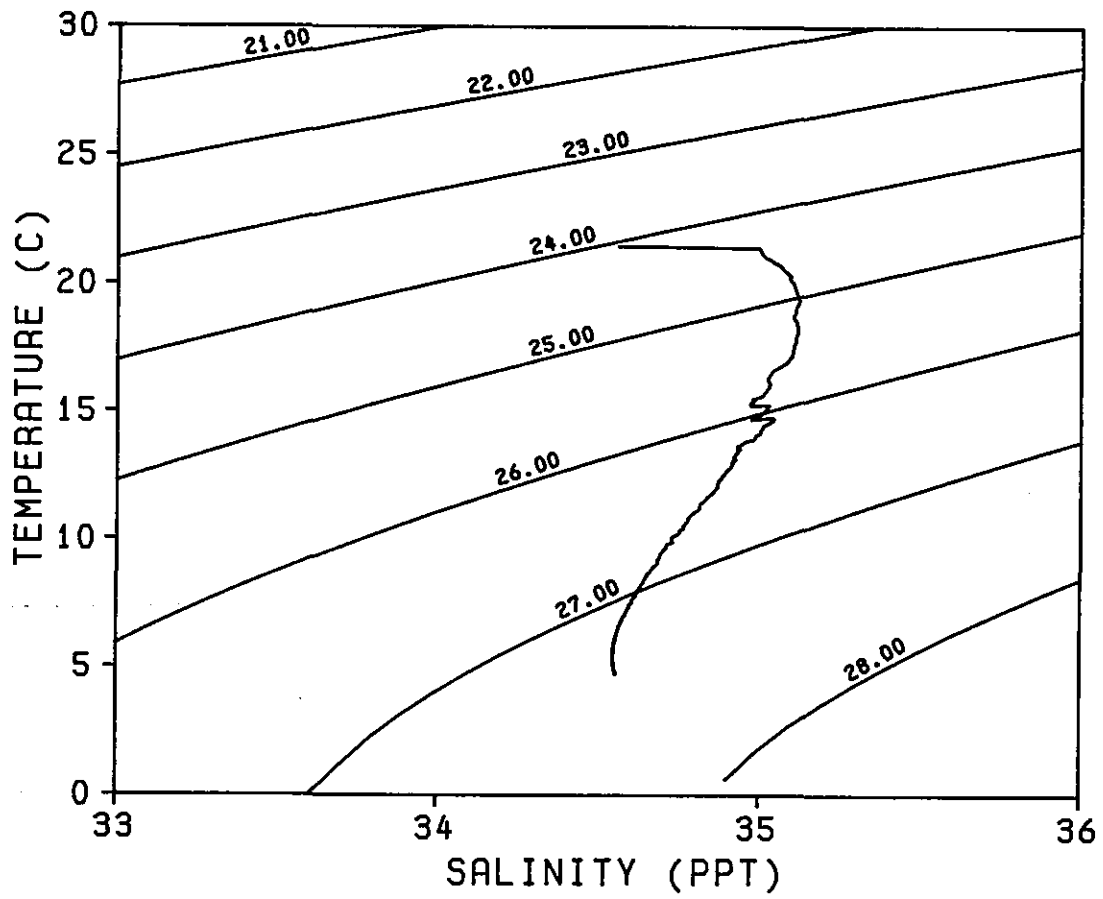


CAST EPP-83-DI-010 DATE 24 OCT 83 TIME 1454 GMT
 LAT 00 00.4N LONG 129 59.5W WEATHER 2 SEA STATE 1
 BAROMETER 12 WIND DIR 270 T SPD 19 KT VISIBILITY 7
 CLOUD 7 AMOUNT 8 DRY 23.5 WET 22.3 DEPTH 4300 M

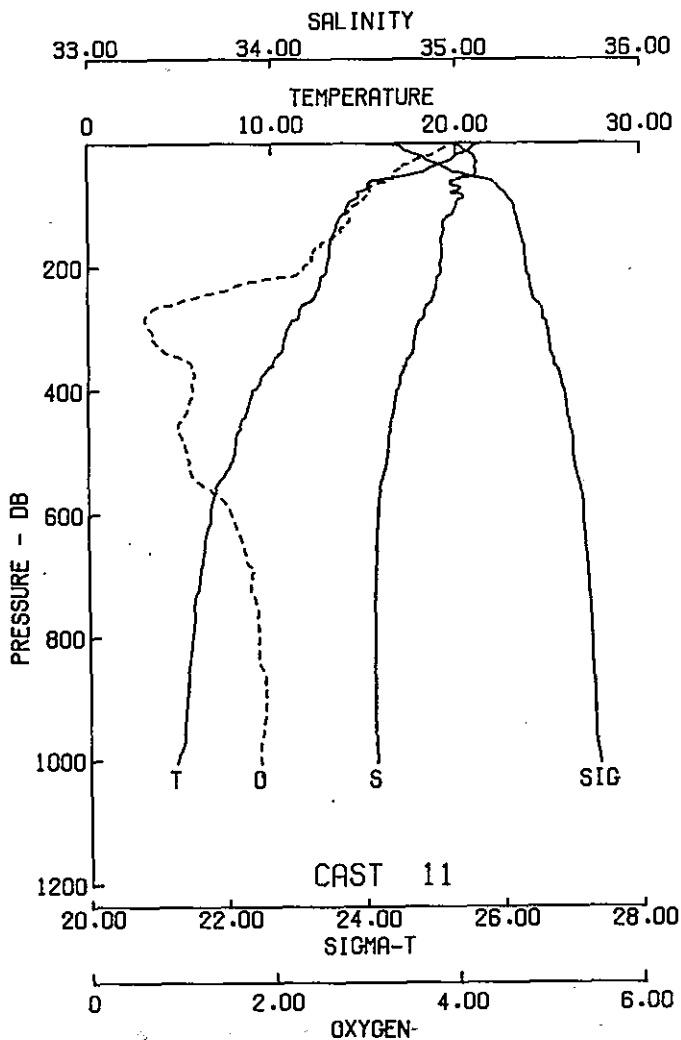


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.557	34.560	3.79	23.745	0.000
10.	22.553	34.5013	3.81	24.089	.030
20.	22.470	34.5031	3.79	24.127	.077
30.	22.395	34.5064	3.77	24.193	.115
40.	21.855	34.5154	3.73	24.330	.151
50.	20.508	34.5294	3.58	24.476	.185
60.	18.594	34.5353	3.27	24.611	.217
70.	17.459	34.5290	3.27	24.643	.239
80.	16.455	34.5115	3.01	24.747	.261
90.	15.121	34.5150	3.08	24.852	.284
100.	13.635	34.5165	3.11	24.892	.307
110.	15.304	34.4994	3.05	24.916	.329
120.	14.988	34.4972	3.01	24.971	.349
130.	14.268	34.4971	3.04	25.125	.369
140.	14.168	34.5004	2.94	25.172	.387
150.	13.960	34.4990	2.92	25.205	.404
160.	13.778	34.4997	2.78	25.349	.424
170.	13.547	34.4961	2.66	25.269	.442
180.	13.423	34.4943	2.66	25.280	.461
190.	13.267	34.4930	2.67	25.302	.478
200.	12.911	34.4909	2.40	25.358	.496
250.	12.514	34.4888	1.56	25.420	.581
300.	11.501	34.4828	.66	25.567	.661
350.	10.715	34.4769	.69	25.555	.717
400.	9.822	34.4712	1.14	25.776	.808
450.	8.162	34.629	1.15	25.978	.870
500.	7.749	34.616	1.11	27.039	.927
550.	7.244	34.591	1.30	27.083	.989
600.	6.805	34.574	1.51	27.131	1.034
650.	6.240	34.557	1.73	27.193	1.084
700.	5.790	34.548	1.89	27.267	1.139
750.	5.590	34.546	1.93	27.267	1.177
800.	5.400	34.546	1.97	27.289	1.222
850.	5.227	34.550	1.94	27.313	1.266
900.	4.992	34.548	1.95	27.338	1.310
950.	4.744	34.551	2.03	27.370	1.351
1000.	4.495	34.555	2.08	27.401	1.391
1012.	4.437	34.555	2.09	27.407	

CAST EP5-83-DI-011 DATE 27 OCT 83 TIME 2118 GMT
LAT 0 03.9S LONG 125 01.9W

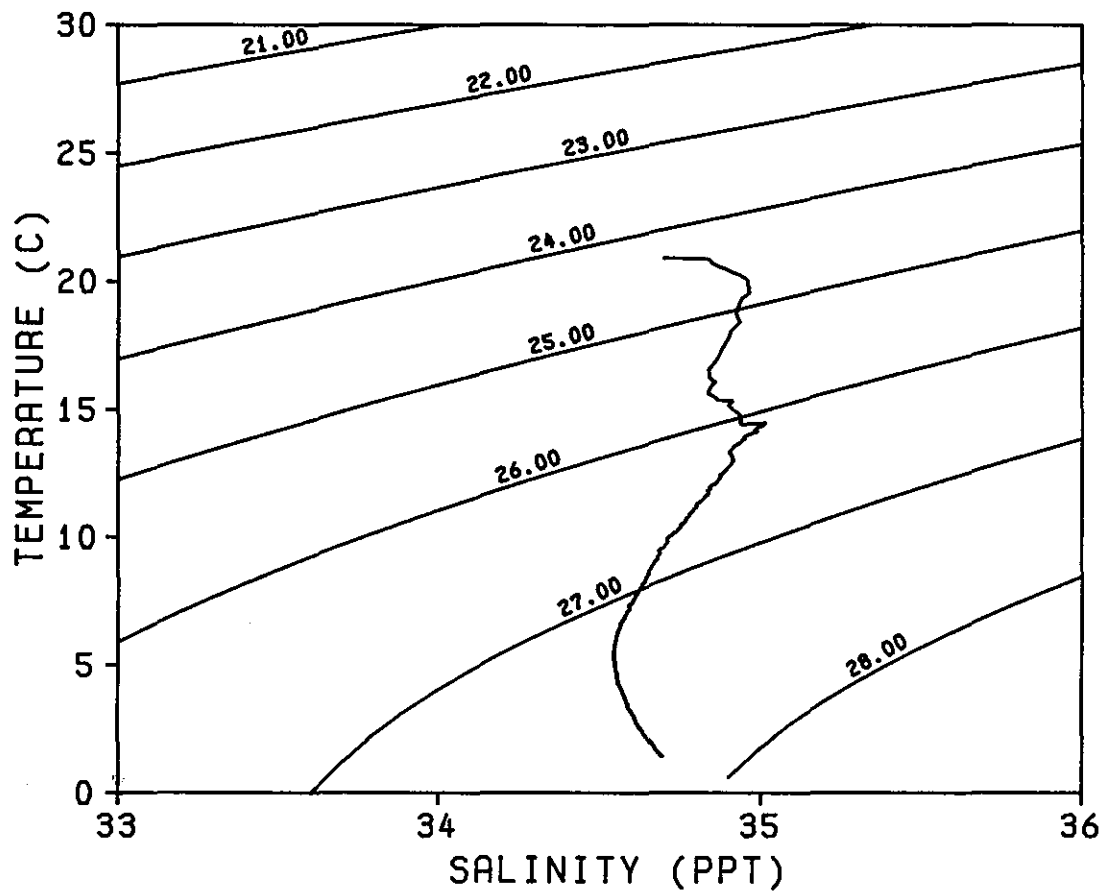


CAST EFS-83-CI-011 DATE 27 OCT 83 TIME 2118 GMT
 LAT 0 03.9S LONG 125 01.9W WEATHER 0 SEA STAT F
 BAROMETER 11 WIND DIR 130 T SPD 08 KT VISIBILITY 7
 CLOUD 0 AMOUNT 0 DRY 21.8 WET 20.7 DEPTH 4145 M

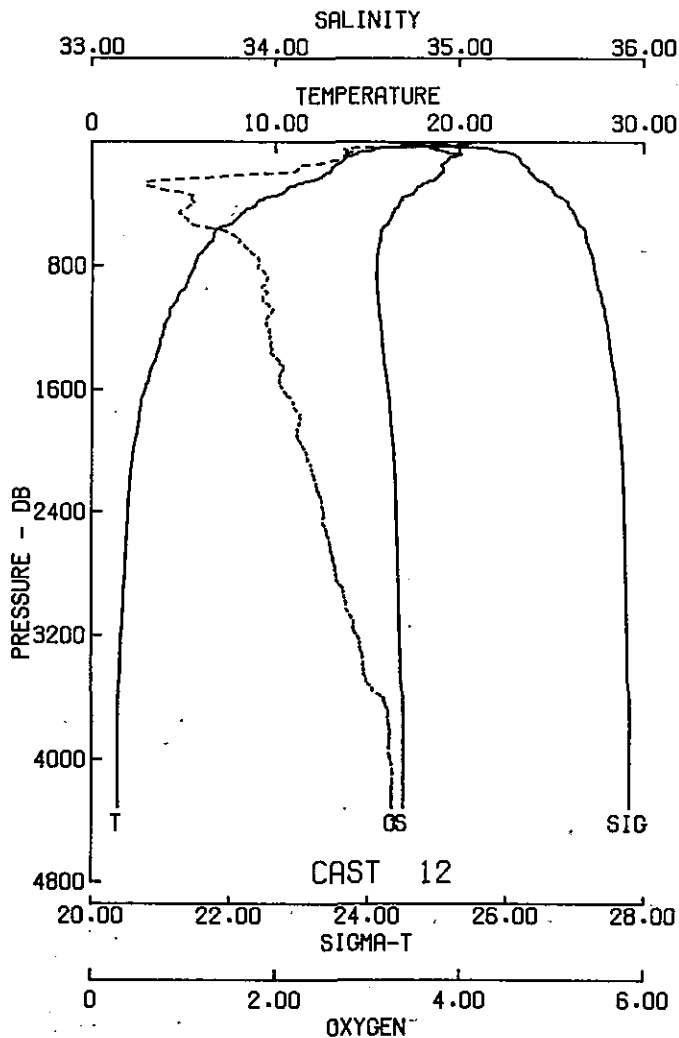


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-SI (DYN-M)
0.	21.436	34.559	3.82	24.057	0.000
10.	20.815	35.041	3.84	24.593	0.034
20.	20.091	35.093	3.71	24.826	0.067
30.	19.478	35.118	3.54	25.005	0.098
40.	18.617	35.104	3.42	25.214	0.125
50.	17.720	35.112	3.37	25.444	0.153
60.	15.564	35.006	3.29	25.868	0.177
70.	15.234	35.009	3.07	25.944	0.188
80.	14.652	34.971	3.08	26.043	0.210
90.	14.599	35.039	3.09	26.106	0.238
100.	14.158	35.002	3.01	26.173	0.257
110.	14.022	34.986	2.84	26.189	0.276
120.	13.752	34.952	2.86	26.219	0.295
130.	13.582	34.929	2.81	26.236	0.313
140.	13.512	34.941	2.75	26.261	0.331
150.	13.331	34.926	2.69	26.286	0.349
160.	13.193	34.919	2.56	26.308	0.367
170.	13.113	34.920	2.48	26.325	0.384
180.	13.042	34.921	2.44	26.325	0.402
190.	13.042	34.916	2.42	26.337	0.419
200.	12.997	34.915	2.34	26.345	0.437
250.	12.313	34.875	1.14	26.459	0.522
300.	10.851	34.779	0.68	26.644	0.599
350.	8.116	34.733	1.07	26.742	0.670
400.	8.899	34.670	1.14	26.895	0.736
450.	8.317	34.641	1.00	26.964	0.797
500.	7.926	34.621	1.07	27.008	0.855
550.	7.063	34.585	1.23	27.134	0.911
600.	6.614	34.567	1.15	27.151	0.962
650.	6.292	34.560	1.11	27.188	1.012
700.	6.063	34.553	1.07	27.220	1.060
750.	5.716	34.549	1.03	27.253	1.107
800.	5.583	34.549	1.04	27.269	1.153
850.	5.387	34.547	1.08	27.292	1.198
900.	5.247	34.546	1.09	27.308	1.243
950.	5.148	34.550	1.08	27.323	1.287
1000.	4.732	34.556	1.05	27.376	1.328
1035.	4.704	34.554	1.05	27.377	1.329

CAST EP5-83-DI-012 DATE 29 OCT 83 TIME 0615 GMT
LAT 0 02.9S LONG 124 34.6W



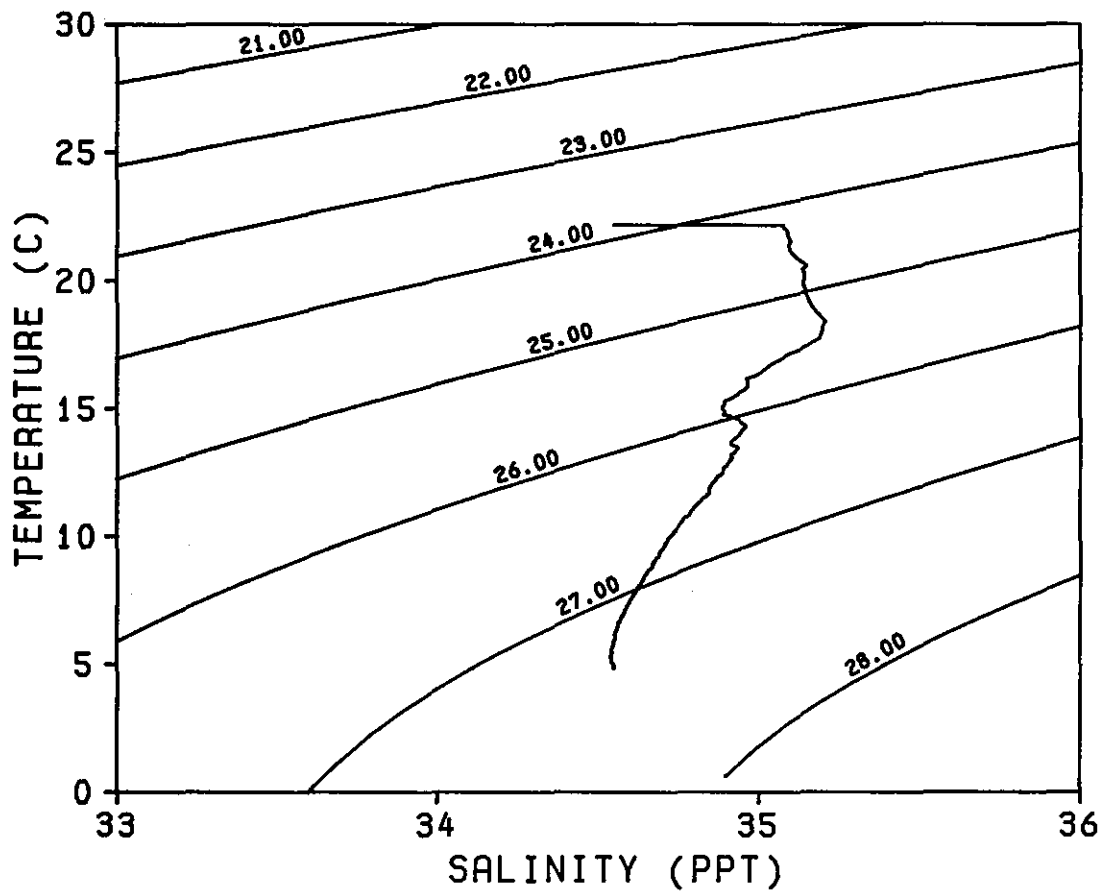
CAST FFS-23-DI-012 DATE 29 OCT 83 TIME 0615 GMT
 LAT 3 02.9S LONG 124 34.6W WEATHER 4 SEA STATE 3
 BAROMETER 15 WIND DIR 139 T SPD 08 KT VISIBILITY 7
 CLOUD X AMOUNT 5 DRY 20.2 WET 20.0 DEPTH 4400 M



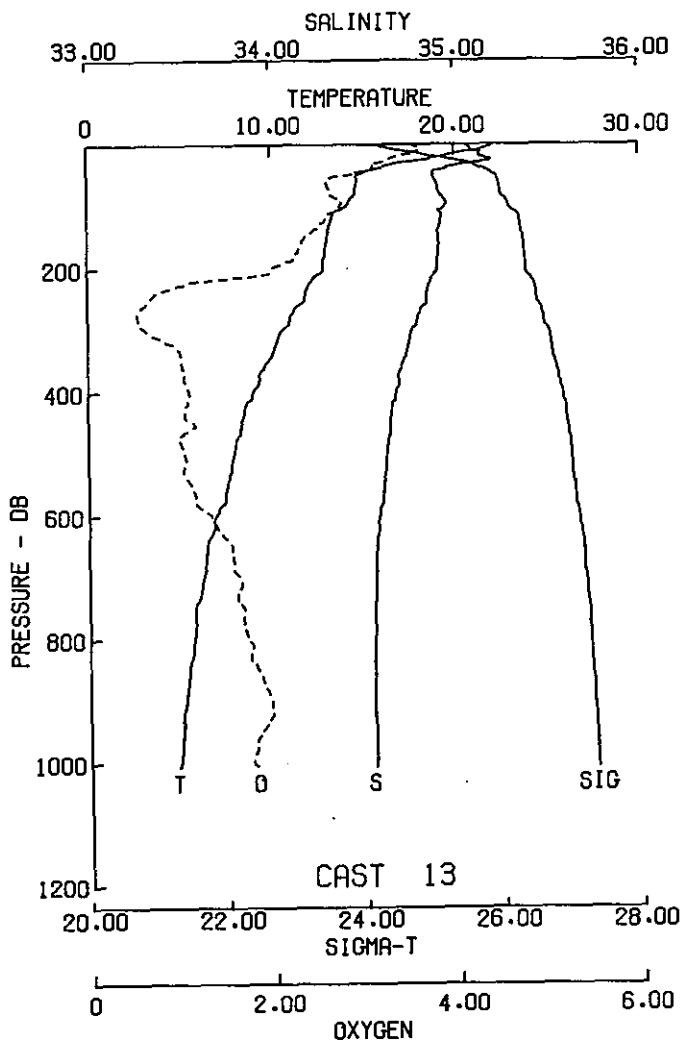
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-P (DYN-M)
0.	21.095	34.559	3.59	24.151	0.000
4.	20.891	34.463	3.61	24.311	
10.	20.586	34.483	3.53	24.519	.076
20.	20.215	34.934	3.43	24.672	.064
30.	18.703	34.921	3.43	24.854	.101
40.	15.531	34.828	2.91	25.054	.127
50.	15.348	34.866	2.74	25.809	.140
60.	15.201	34.983	2.70	25.870	.171
70.	14.507	34.937	2.81	26.047	.190
80.	14.453	35.013	2.78	26.118	.211
90.	14.134	34.974	2.79	26.156	.230
100.	13.863	34.946	2.75	26.191	.240
110.	13.782	34.943	2.71	26.206	.268
120.	13.785	34.935	2.66	26.216	.286
130.	13.628	34.927	2.56	26.226	.306
140.	13.531	34.915	2.51	26.237	.324
150.	13.313	34.902	2.36	26.271	.341
160.	13.197	34.902	2.27	26.293	.350
170.	13.043	34.910	2.26	26.332	.377
180.	13.025	34.910	2.24	26.335	.394
190.	12.998	34.911	2.23	26.342	.411
200.	12.878	34.907	2.15	26.363	.420
250.	12.084	34.861	.83	26.483	.513
300.	10.661	34.767	.71	26.674	.588
350.	9.065	34.728	1.11	26.747	.650
400.	8.913	34.669	1.08	26.893	.724
450.	8.274	34.640	.96	26.969	.785
500.	7.846	34.611	1.03	27.017	.842
550.	7.014	34.585	1.01	27.110	.898
600.	6.602	34.566	1.15	27.152	.946
650.	6.394	34.555	1.15	27.175	.999
700.	6.081	34.550	1.17	27.210	1.048
750.	5.711	34.545	1.81	27.251	1.095
800.	5.564	34.547	1.80	27.270	1.141
850.	5.585	34.545	1.88	27.291	1.186
900.	5.211	34.544	1.89	27.312	1.231
950.	5.024	34.544	1.85	27.335	1.274
1000.	4.871	34.550	1.83	27.381	1.315
1500.	3.148	34.559	2.05	27.573	1.572
2000.	2.255	34.641	2.32	27.686	1.855
2500.	1.530	34.661	2.54	27.727	2.205
3000.	1.174	34.672	2.77	27.750	2.442
3500.	1.152	34.685	2.99	27.777	2.666
4314.	1.457	34.694	3.27	27.789	

347

CAST EP5-83-DI-013 DATE 30 OCT 83 TIME 0907 GMT
LAT 00 02.1N LONG 120 00.6W

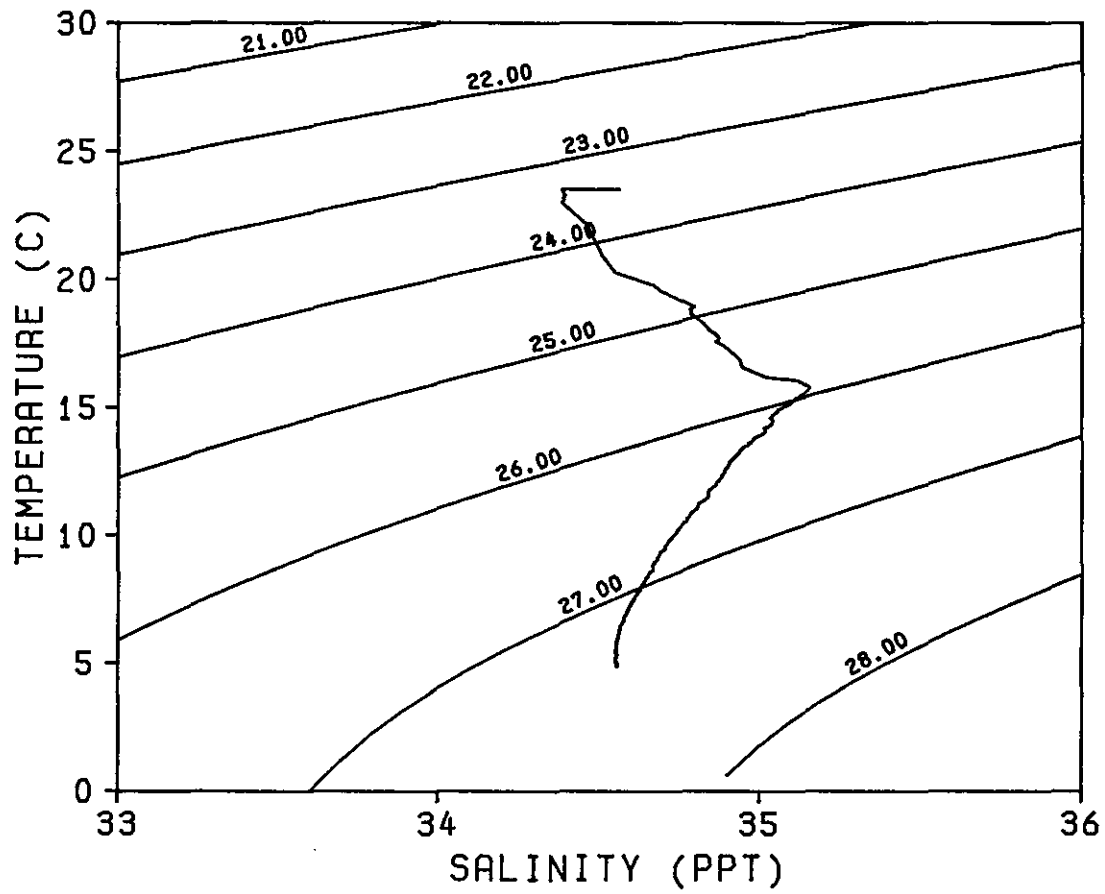


CAST EFS-23-DI-013 DATE 30 OCT 83 TIME 1907 GMT
 LAT 09 02.1N LONG 120 00.6W WEATHER 1 SEA STATE 7
 BAROMETER 14 WIND DIR 135 T SPD DR KT VISIBILITY 7
 CLOUD 7 AMOUNT 5 DRY 21.5 WET 21.0 DEPTH 4296 M

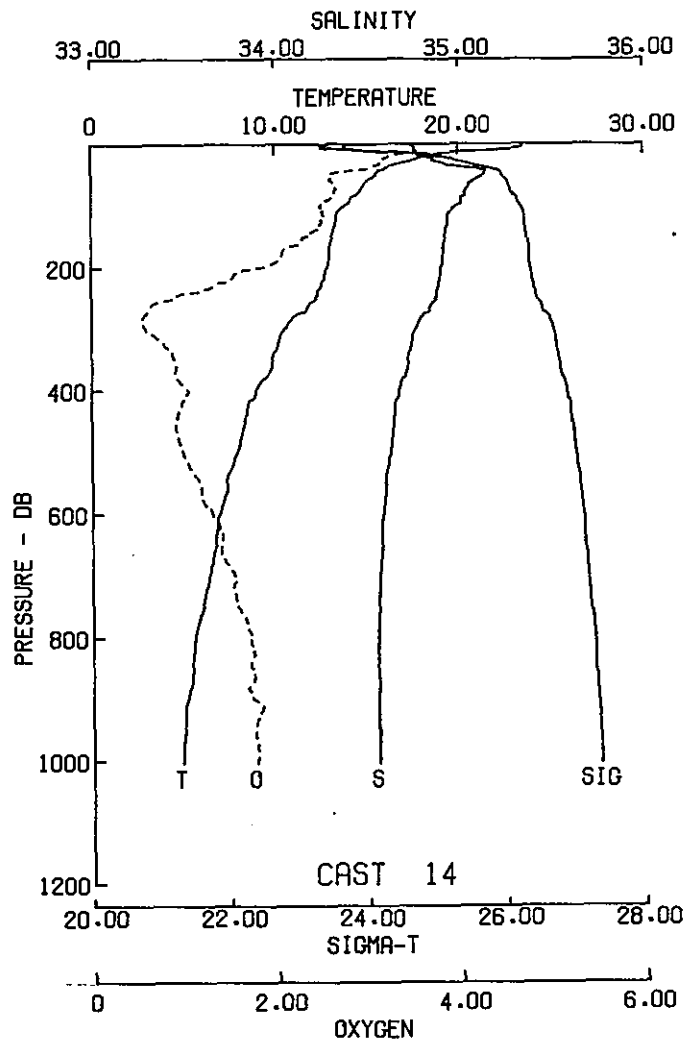


PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-SI (DYH-M)
0.	22.158	34.551	3.57	23.951	0.000
10.	21.099	35.100	3.62	24.560	.032
20.	19.400	35.150	3.38	25.050	.067
30.	17.894	35.987	3.16	25.575	.094
40.	15.710	34.957	3.12	25.798	.117
50.	14.217	34.896	2.87	25.951	.130
60.	14.717	34.901	2.62	25.974	.150
70.	14.669	34.912	2.63	25.993	.180
80.	14.619	34.925	2.66	26.012	.200
90.	14.360	34.951	2.77	26.091	.220
100.	14.176	34.951	2.76	26.129	.230
110.	13.508	34.923	2.68	26.247	.250
120.	13.372	34.932	2.62	26.282	.276
130.	13.266	34.925	2.54	26.299	.294
140.	13.150	34.913	2.46	26.312	.311
150.	13.097	34.914	2.38	26.324	.320
160.	13.038	34.916	2.34	26.338	.344
170.	12.994	34.914	2.31	26.344	.364
180.	12.958	34.912	2.27	26.350	.381
190.	12.867	34.905	2.18	26.364	.398
200.	12.860	34.905	2.02	26.365	.415
250.	11.838	34.844	.69	26.519	.497
300.	10.860	34.765	.64	26.689	.572
350.	9.842	34.719	1.03	26.778	.642
400.	8.991	34.677	1.11	26.886	.707
450.	8.384	34.644	1.15	26.956	.748
500.	7.959	34.629	1.05	27.005	.822
550.	7.567	34.620	1.12	27.049	.883
600.	6.963	34.593	1.34	27.116	.937
650.	6.445	34.563	1.56	27.171	.980
700.	6.204	34.552	1.64	27.197	1.038
750.	5.787	34.551	1.68	27.246	1.086
800.	5.583	34.548	1.73	27.257	1.133
850.	5.277	34.546	1.84	27.292	1.178
900.	5.228	34.544	1.98	27.308	1.223
950.	5.014	34.549	1.86	27.337	1.266
1000.	4.887	34.552	1.77	27.354	1.308
1007.	4.825	34.547	1.85	27.358	

CAST EP5-83-DI-014 DATE 31 OCT 83 TIME 1243 GMT
LAT 0 00.3S LONG 115 02.3W



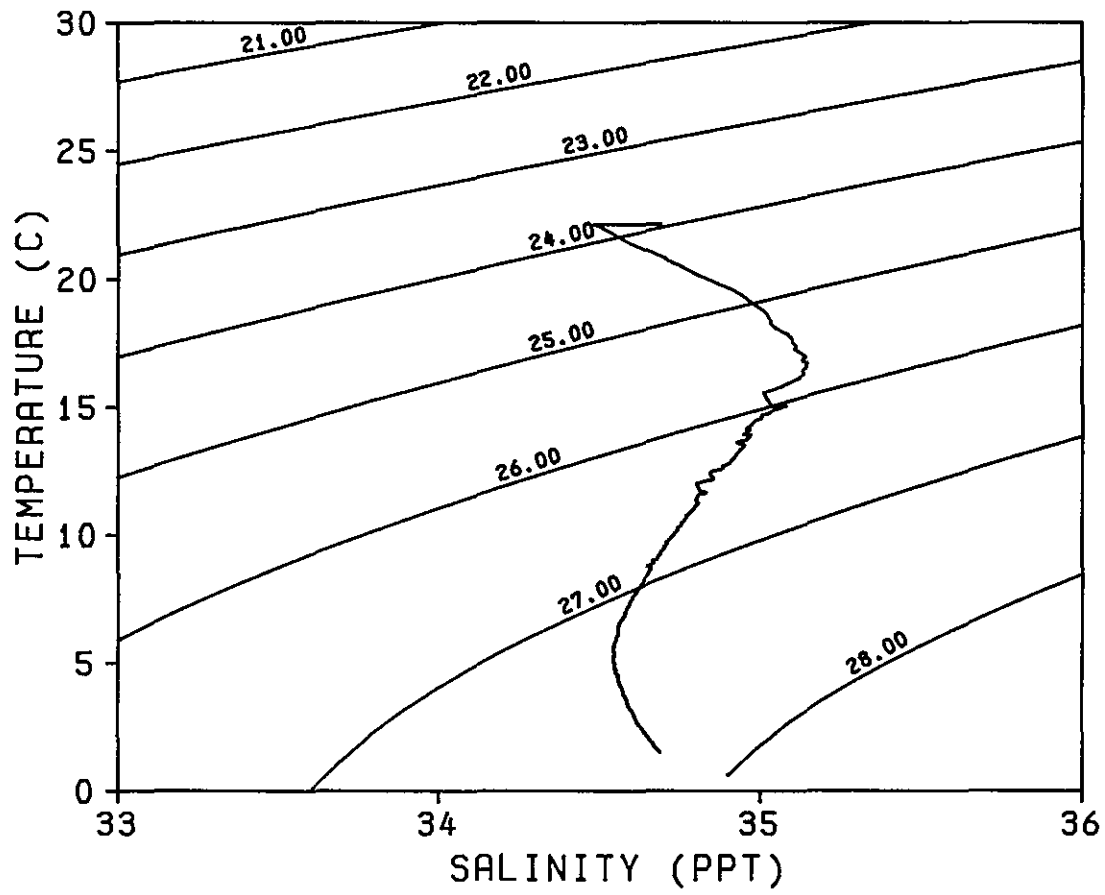
CAST EP5-83-DI-614 DATE 31 OCT 83 TIME 1243 GMT
 LAT 0 00.3S LONG 115 02.3W WEATHER 2 SEA STATE 7
 BAROMETER 13 WIND GTR 150 T SPD 10 KT VISIBILITY 7
 CLOUD 7 AMOUNT 9 DRY 21.1 WET 21.0 DEPTH 4318 M



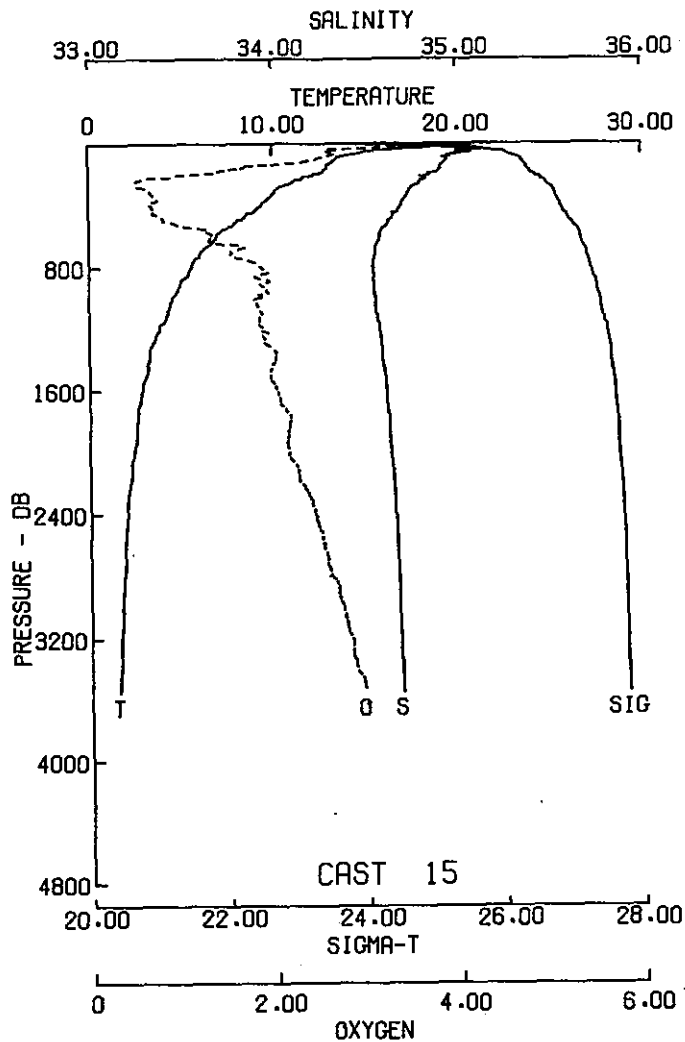
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-SI (DYN-M)
0.	23.568	34.481	3.48	23.395	0.006
1.	23.496	34.557	3.49	23.473	
10.	22.141	34.456	3.51	23.784	.045
20.	18.525	34.798	3.24	25.804	.078
30.	17.161	34.907	3.15	25.421	.106
40.	16.953	35.105	3.14	25.833	.120
50.	15.540	35.139	3.62	25.976	.150
60.	15.045	35.083	3.60	26.044	.171
70.	14.891	35.055	3.57	26.073	.190
80.	14.560	35.029	3.55	26.107	.211
90.	14.148	35.013	3.61	26.183	.220
100.	13.895	35.002	3.52	26.228	.247
110.	13.505	34.961	3.52	26.377	.267
120.	13.374	34.942	3.54	26.390	.283
130.	13.338	34.942	3.50	26.297	.301
140.	13.235	34.934	3.44	26.212	.310
150.	13.138	34.928	3.34	26.327	.336
160.	13.041	34.919	3.28	26.339	.354
170.	12.978	34.915	3.18	26.349	.371
180.	12.974	34.915	3.07	26.350	.388
190.	12.940	34.912	2.93	26.353	.405
200.	12.845	34.903	1.83	26.357	.423
250.	12.221	34.880	.89	26.471	.507
300.	10.482	34.767	.60	26.705	.583
350.	9.832	34.723	.91	26.783	.652
400.	8.929	34.673	1.06	26.893	.717
450.	8.305	34.643	.92	26.967	.779
500.	7.892	34.624	.99	27.014	.836
550.	7.336	34.597	1.18	27.075	.891
600.	6.918	34.582	1.31	27.122	.944
650.	6.690	34.575	1.41	27.147	.996
700.	6.319	34.560	1.54	27.185	1.046
750.	5.974	34.556	1.58	27.226	1.095
800.	5.539	34.550	1.71	27.276	1.141
850.	5.412	34.549	1.75	27.291	1.186
900.	5.137	34.550	1.76	27.324	1.230
950.	4.972	34.553	1.76	27.346	1.273
1000.	4.863	34.553	1.77	27.358	1.315
1003.	4.860	34.554	1.78	27.350	

351

CAST EP5-83-DI-015 DATE 02 NOV 83 TIME 1037 GMT
LAT 00 00.1N LONG 109 15.5W

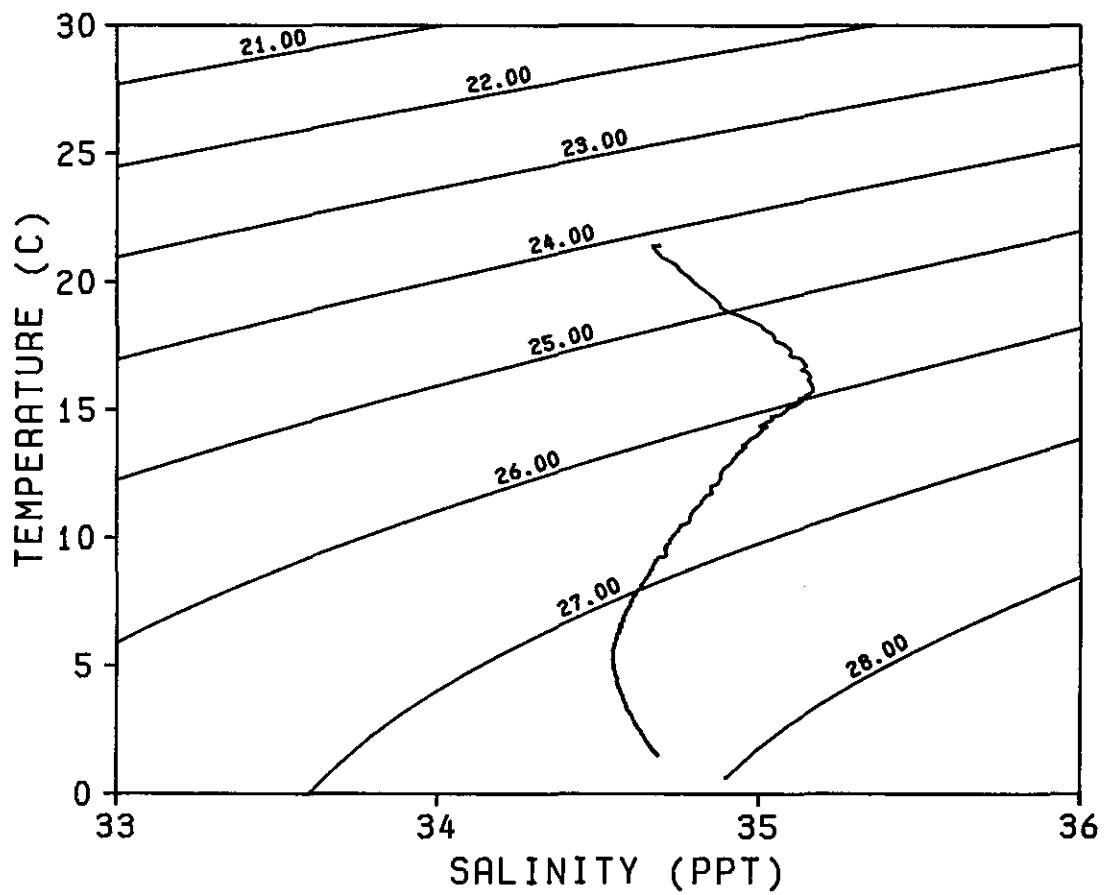


CAST EF5-83-DI-015 DATE 02 NOV 83 TIME 1037 GMT
 LAT 00 00.1N LONG 109 15.5W WEATHER 2 SEA STATE 3
 BAROMETER 11 WIND DIR 130 T SPD 14 KT VISIBILITY 7
 CLOUD 7 AMOUNT 4 HRY 21.3 WFT 20.2 DPTH 3726 M

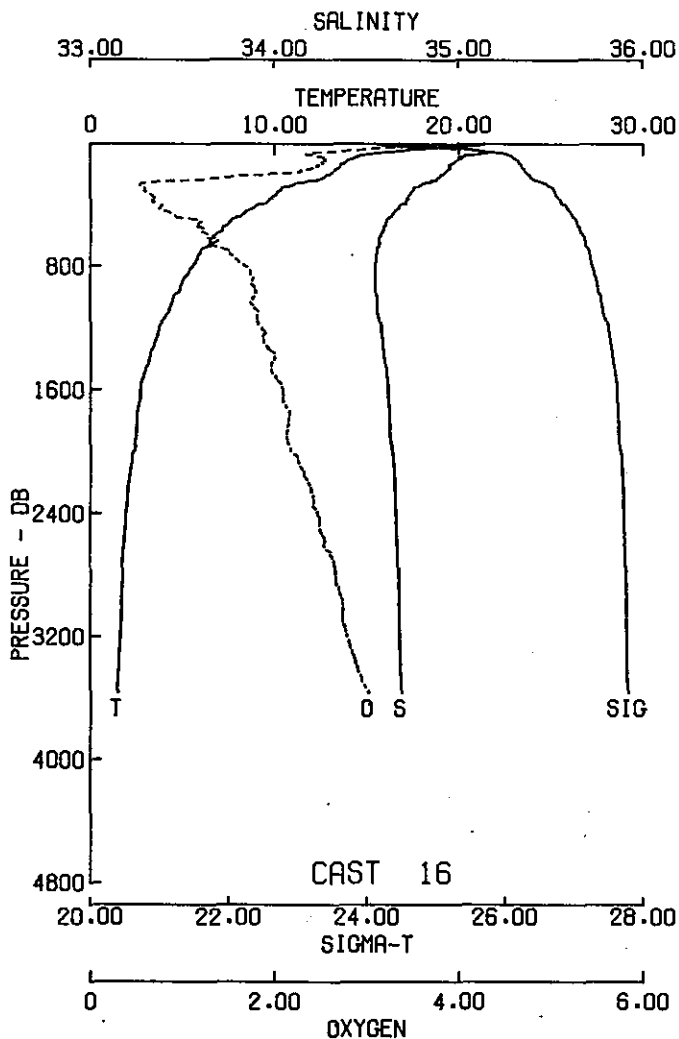


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-M)
0.	22.376	34.564	3.41	23.800	0.500
1.	22.126	34.693	3.41	23.967	
10.	20.793	34.707	3.48	24.145	.035
20.	19.505	34.921	3.31	24.848	.073
30.	17.827	35.084	3.08	25.197	.102
40.	16.628	35.145	2.98	25.730	.126
50.	15.030	35.037	2.70	26.011	.148
60.	14.842	35.035	2.61	26.051	.168
70.	14.447	34.983	2.49	26.096	.187
80.	13.925	34.952	2.63	26.183	.206
90.	13.598	34.924	2.57	26.230	.225
100.	13.521	34.951	2.48	26.266	.243
110.	13.422	34.950	2.42	26.286	.260
120.	13.303	34.936	2.33	26.300	.278
130.	13.224	34.932	2.11	26.312	.296
140.	13.090	34.924	1.84	26.333	.313
150.	12.973	34.916	1.70	26.351	.330
160.	12.961	34.915	1.57	26.359	.348
170.	12.801	34.905	1.53	26.377	.365
180.	12.735	34.898	1.49	26.384	.382
190.	12.594	34.886	1.32	26.403	.399
200.	12.219	34.855	1.09	26.430	.416
250.	11.088	34.799	.51	26.522	.483
300.	10.169	34.745	.57	26.743	.565
350.	9.819	34.722	.73	26.785	.633
400.	9.395	34.699	.70	26.838	.699
450.	8.670	34.665	.71	26.927	.763
500.	8.082	34.632	.86	26.993	.823
550.	7.323	34.594	1.26	27.074	.880
600.	6.932	34.580	1.33	27.118	.937
650.	6.623	34.567	1.51	27.156	.985
700.	6.090	34.557	1.55	27.212	1.034
750.	5.780	34.549	1.71	27.245	1.082
800.	5.567	34.544	1.88	27.268	1.129
850.	5.392	34.549	1.86	27.292	1.173
900.	4.975	34.549	1.90	27.342	1.216
950.	4.792	34.549	1.93	27.363	1.258
1000.	4.513	34.561	1.83	27.404	1.297
1500.	3.099	34.605	1.97	27.582	1.644
2000.	2.417	34.636	2.17	27.668	1.925
2500.	1.902	34.662	2.49	27.738	2.181
3000.	1.697	34.673	2.73	27.758	2.416
3500.	1.514	34.686	2.96	27.779	2.641
3547.	1.496	34.689	2.98	27.783	

CAST EP5-83-DI-016 DATE 02 NOV 83 TIME 1239 GMT
LAT 0 01.0S LONG 108 04.5W

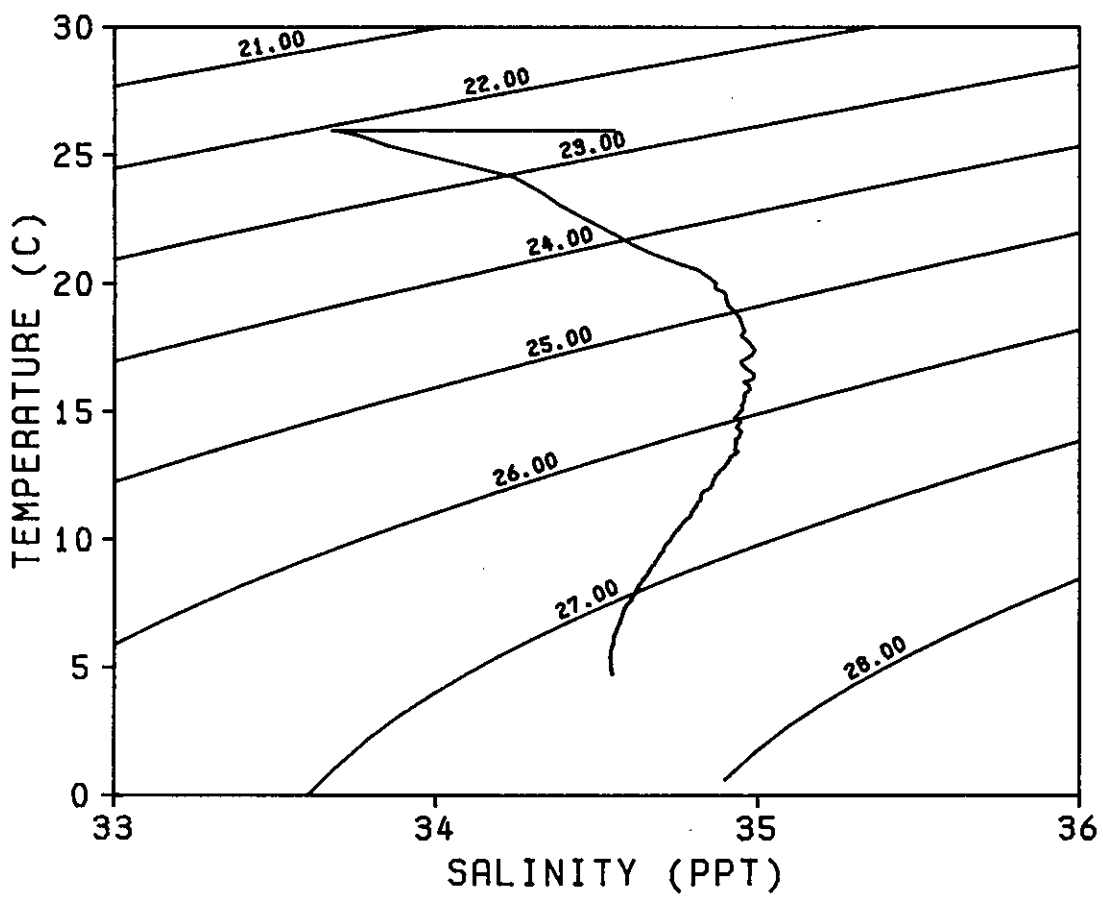


CAST EP5-83-DI-616 DATE 02 NOV 83 TIME 1239 GMT
 LAT 0 01.0S LONG 108 04.5W WEATHER 1 SEA STATE 2
 BAROMETER 13 WIND DIR 130 T SPD 10 KT VISIBILITY 2
 CLOUD 7 AMOUNT 2 DRY 21.2 WET 20.2 DEPTH 3725 M

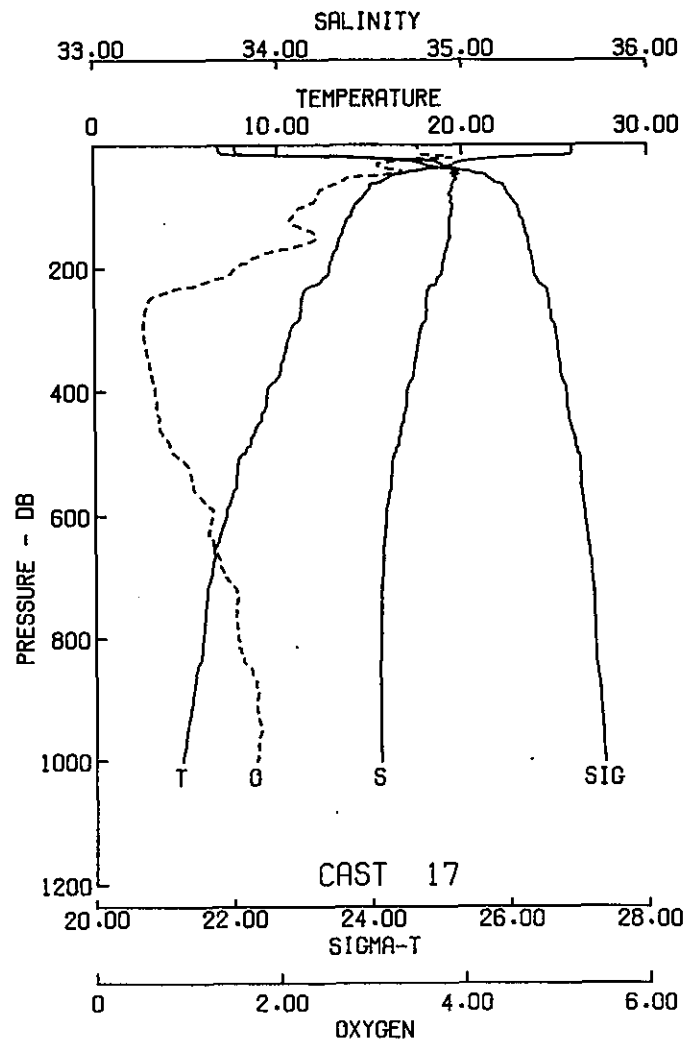


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-K)
0.	21.418	34.690	3.53	24.162	0.600
10.	21.145	34.684	3.44	24.232	0.34
20.	20.893	34.783	3.32	24.563	0.77
30.	18.364	34.995	3.13	25.195	1.03
40.	17.420	35.089	2.96	25.498	1.14
50.	16.653	35.142	2.75	25.722	1.15
60.	15.673	35.163	2.43	25.964	1.17
70.	15.117	35.099	2.2	26.038	1.19
80.	14.573	35.031	2.48	26.106	2.15
90.	14.347	34.999	2.56	26.129	2.14
100.	14.262	35.014	2.55	26.159	2.14
110.	14.002	34.994	2.55	26.199	2.17
120.	13.901	34.980	2.52	26.210	2.11
130.	13.788	34.957	2.52	26.223	2.10
140.	13.597	34.947	2.47	26.247	2.10
150.	13.600	34.955	2.46	26.253	2.10
160.	13.520	34.956	2.41	26.270	2.10
170.	13.380	34.944	2.34	26.290	2.10
180.	13.266	34.931	2.29	26.303	2.10
190.	13.165	34.928	2.17	26.321	2.10
200.	13.037	34.918	1.93	26.339	2.10
220.	11.742	34.857	0.73	26.545	2.10
300.	9.391	34.755	0.60	26.712	2.10
350.	9.912	34.726	0.71	26.772	2.10
400.	9.114	34.685	0.77	26.872	2.10
450.	8.410	34.650	0.86	26.956	2.10
500.	7.664	34.609	1.19	27.037	2.10
550.	7.218	34.591	1.22	27.087	2.10
600.	6.792	34.577	1.28	27.135	2.10
650.	6.544	34.573	1.35	27.165	2.10
700.	6.028	34.556	1.52	27.219	2.10
750.	5.844	34.553	1.57	27.240	2.10
800.	5.606	34.546	1.58	27.265	2.10
850.	5.363	34.544	1.75	27.295	2.10
900.	5.034	34.550	1.76	27.336	2.10
950.	4.801	34.550	1.80	27.351	2.10
1000.	4.545	34.558	1.79	27.398	2.10
1500.	2.813	34.610	1.98	27.604	2.10
2000.	2.390	34.637	2.17	27.671	2.10
2500.	1.913	34.660	2.49	27.728	2.10
3000.	1.690	34.673	2.73	27.756	2.10
3500.	1.516	34.686	2.96	27.778	2.10
3568.	1.494	34.687	3.02	27.781	2.10

CAST EP5-83-DI-017 DATE 04 NOV 83 TIME 0212 GMT
LAT 00 53.7N LONG 108 14.1W



CAST EPS-83-CI-017 DATE 04 NOV 83 TIME 2212 GMT
 LAT 00 53.7N LONG 168 14.1W WFAEHR 1 SEA STATE 4
 BAROMETR 12 WIND DIR 130 T SPD 21 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 DRY 23.1 WET 21.9 DEPTH 3143 M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-CM)
0.	25.975	34.552	3.51	22.721	0.001
10.	25.984	34.582	3.54	22.765	0.057
20.	22.985	34.392	3.57	23.496	0.110
30.	19.771	34.272	3.14	24.741	0.149
40.	17.963	34.948	3.08	25.259	0.170
50.	16.221	34.976	3.00	25.695	0.204
60.	15.705	34.960	3.70	25.801	0.227
70.	15.001	34.946	3.55	25.947	0.248
80.	14.761	34.929	3.44	25.986	0.265
90.	14.435	34.937	3.41	25.966	0.279
100.	14.156	34.946	3.29	25.133	0.289
110.	14.017	34.942	3.20	25.156	0.327
120.	13.782	34.934	3.14	25.199	0.346
130.	13.658	34.932	3.17	25.223	0.365
140.	13.537	34.931	3.46	25.247	0.383
150.	13.392	34.934	3.42	25.280	0.401
160.	13.277	34.922	3.32	25.294	0.410
170.	13.209	34.914	3.04	25.302	0.437
180.	13.012	34.907	3.01	25.336	0.454
190.	12.877	34.899	3.71	25.357	0.470
200.	12.819	34.895	3.56	25.365	0.489
250.	11.322	34.810	3.62	25.587	0.570
300.	10.698	34.773	3.54	25.672	0.645
350.	10.275	34.745	3.60	25.725	0.710
400.	9.440	34.699	3.67	25.830	0.784
450.	9.006	34.682	3.70	25.888	0.840
500.	8.106	34.630	3.86	25.987	0.910
550.	7.712	34.609	3.68	27.037	0.967
600.	7.180	34.584	3.29	27.086	1.022
650.	6.594	34.568	3.30	27.155	1.074
700.	6.273	34.557	3.43	27.188	1.124
750.	6.008	34.554	3.52	27.220	1.173
800.	5.880	34.552	3.55	27.235	1.221
850.	5.551	34.545	3.70	27.279	1.267
900.	5.242	34.545	3.75	27.307	1.312
950.	4.960	34.546	3.80	27.342	1.356
1000.	4.724	34.550	3.74	27.372	1.397
1002.	4.719	34.549	3.75	27.372	

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1001

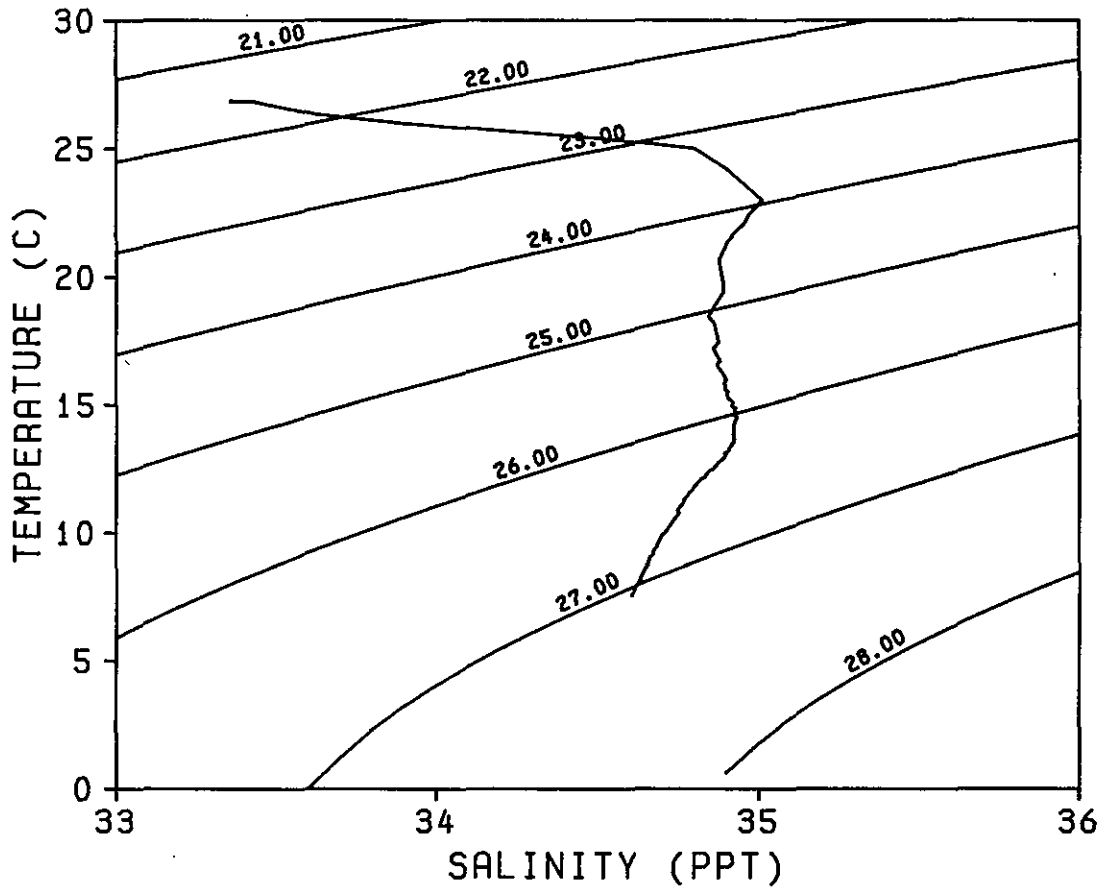
1001

EP6-83-DI

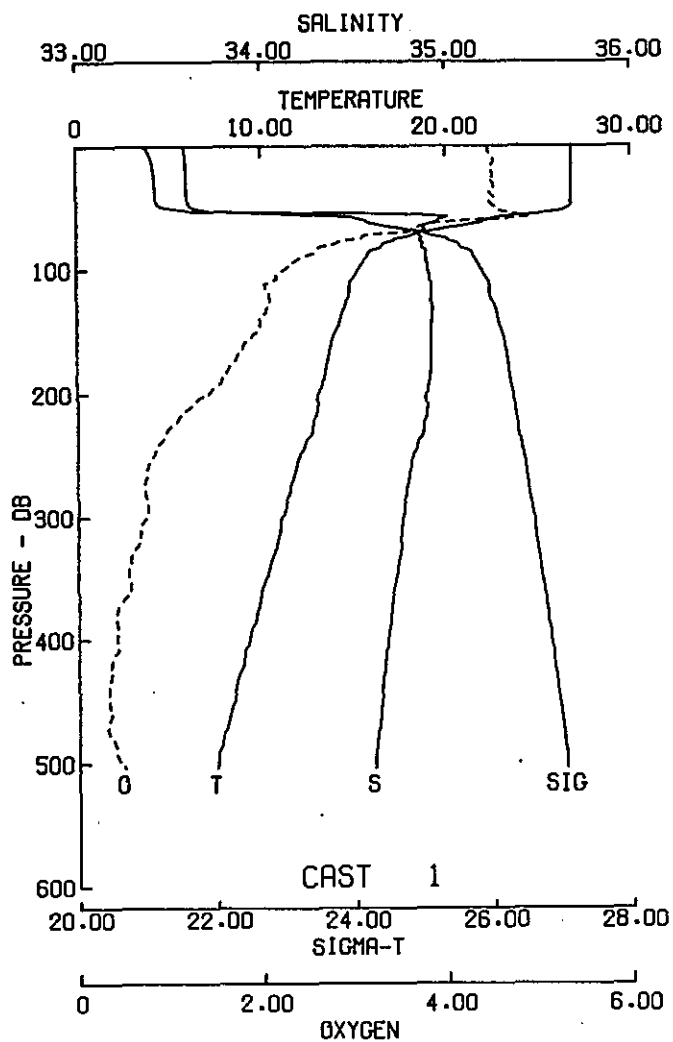
10 November - 6 December 1983

NBIS CTD/O₂ Data Summary

CAST EP6-83-DI-001 DATE 13 NOV 83 TIME 1525 GMT
LAT 05 00.1N LONG 095 00.9W

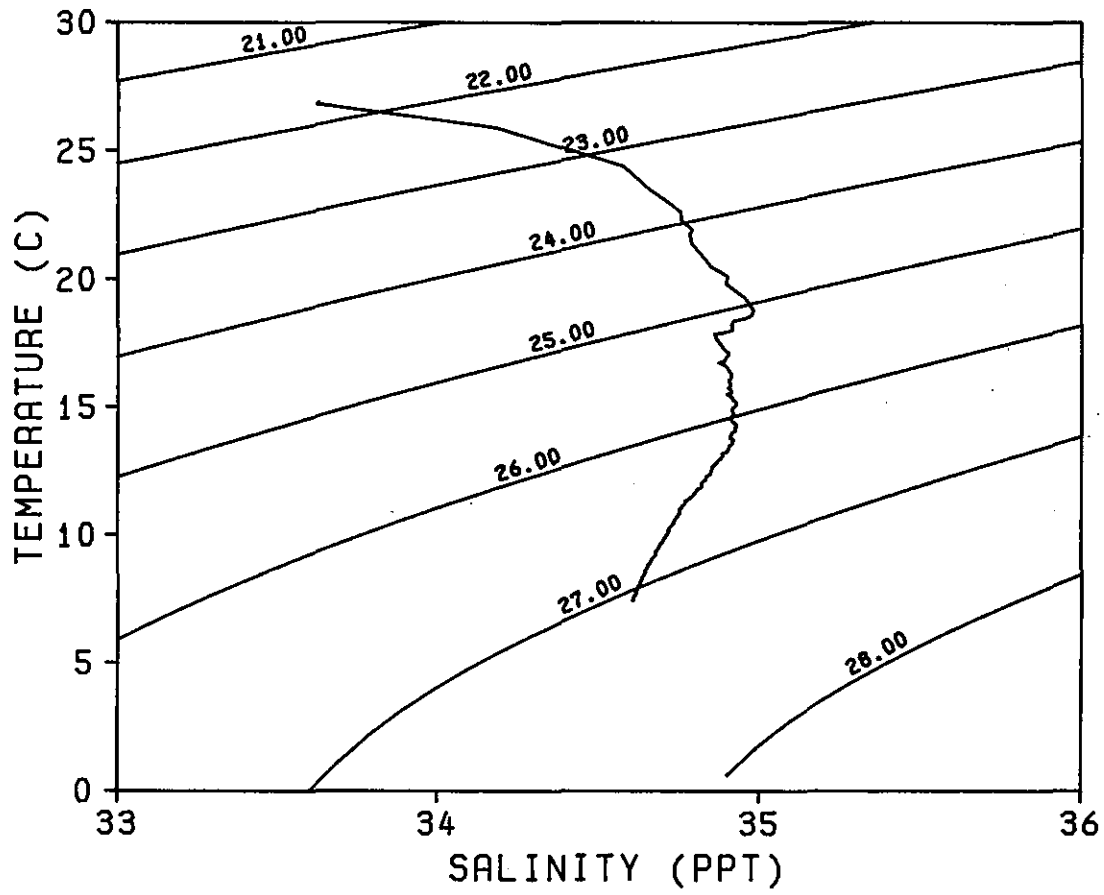


CAST EP6-R3-DI-C01 DA°E 13 NOV 83 TIME 1525 GMT
 LAT 05 00.1N LONG 095 20.0W WEATHER 2 SEA STATE 3
 BAROMETER 15 WIND DIR 270 T SPD 12 KT VISIBILITY 8
 CLOUD 6 AMOUNT 8 DRY 27.1 WET 22.8 DEPTH 3475 M

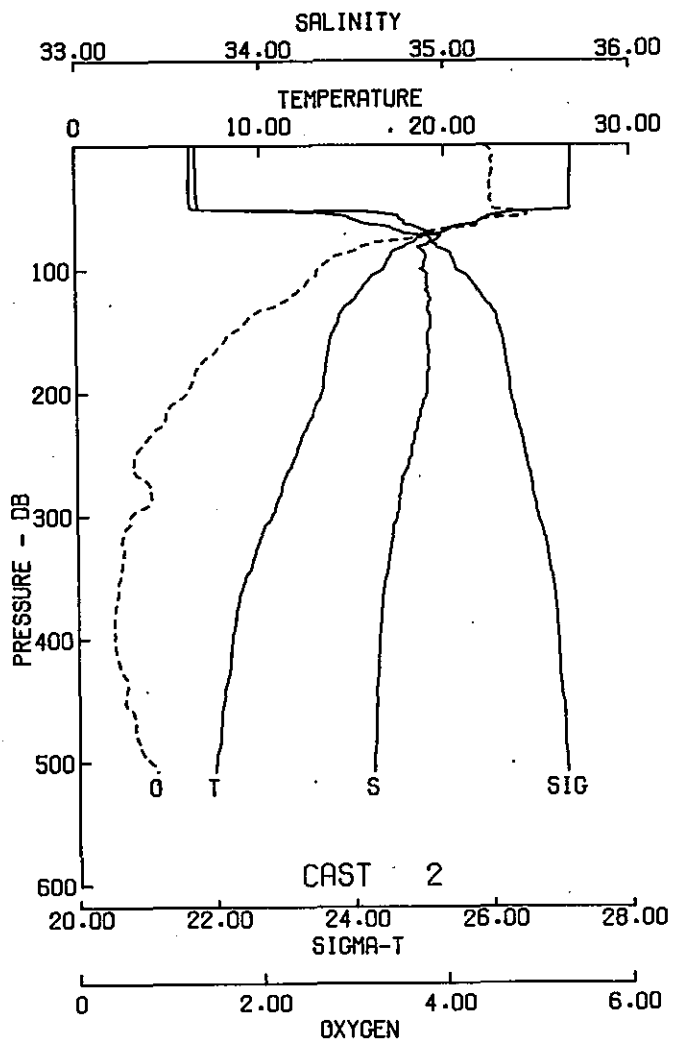


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.834	33.360	4.62	21.556	0.001
10.	26.840	33.420	4.52	21.591	.062
20.	26.840	33.424	4.51	21.662	.122
30.	26.836	33.430	4.51	21.660	.187
40.	26.829	33.434	4.50	21.613	.240
50.	26.828	33.477	4.54	21.687	.311
60.	22.386	33.496	4.52	21.410	.369
70.	19.564	33.485	3.59	21.947	.424
80.	16.609	33.487	2.79	21.527	.484
90.	15.740	33.489	2.45	21.743	.544
100.	15.312	33.490	2.27	21.846	.604
110.	14.863	33.492	2.11	21.958	.664
120.	14.784	33.492	2.09	21.979	.724
130.	14.516	33.492	2.07	21.846	.784
140.	14.282	33.492	1.98	21.685	.844
150.	14.022	33.492	1.95	21.140	.904
160.	13.776	33.492	1.81	21.190	.964
170.	13.436	33.492	1.74	21.220	1.024
180.	13.199	33.492	1.65	21.246	1.084
190.	13.133	33.491	1.58	21.275	1.144
200.	13.111	33.489	1.43	21.309	1.204
210.	12.852	33.482	.82	21.457	1.264
220.	12.551	33.472	.74	21.599	1.324
230.	12.223	33.472	.57	21.716	1.384
240.	9.289	33.467	.42	21.836	1.444
250.	8.427	33.460	.35	21.948	1.504
260.	7.539	33.454	.46	21.655	1.564
270.	7.511	33.450	.51	21.057	1.624

CAST EP6-83-DI-002 DATE 13 NOV 83 TIME 2208 GMT
LAT 04 02.8N LONG 095 00.7W

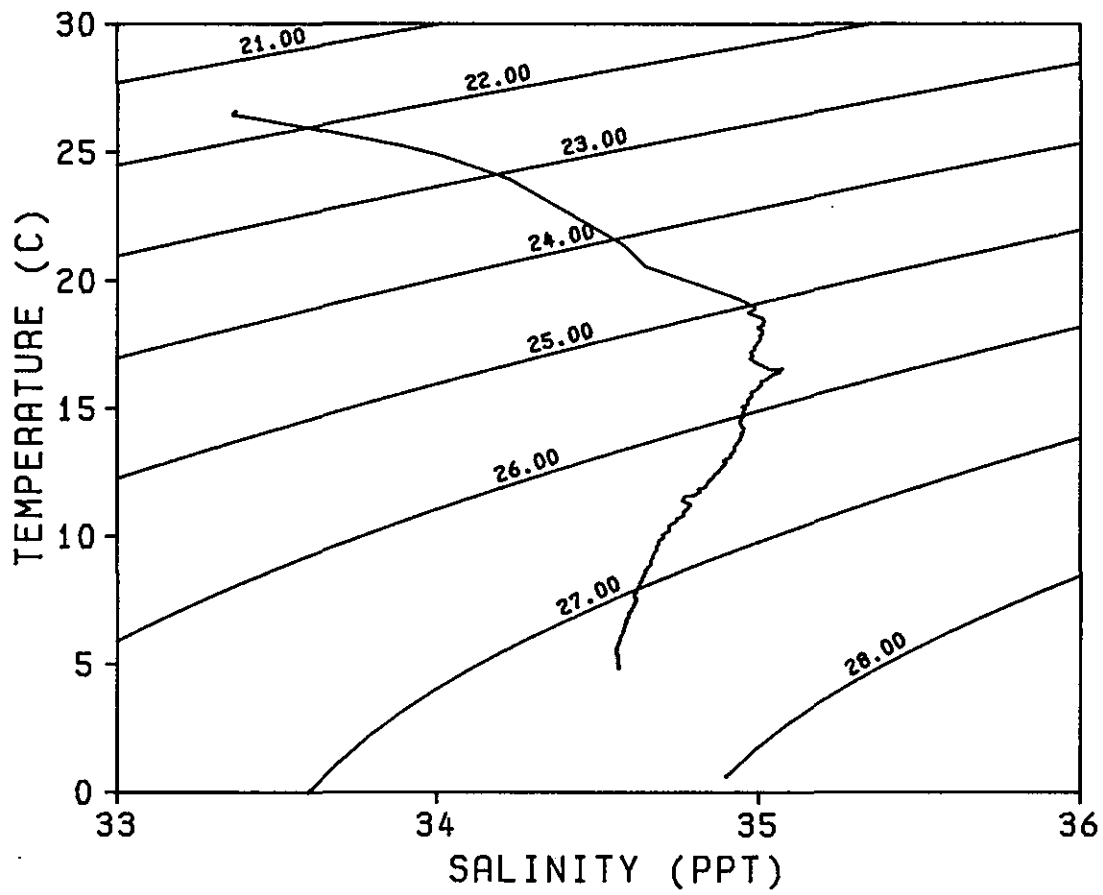


CAST EP6-R3-DI-002 DATE 13 NOV 83 TIME 2268 GMT
 LAT 04 02.8N LONG 195 00.7W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 220 T SPD 16 KT VISIBILITY P
 CLOUD 8 AMOUNT 3 DRY 25.5 WET 22.5 DEPTH 3395 M

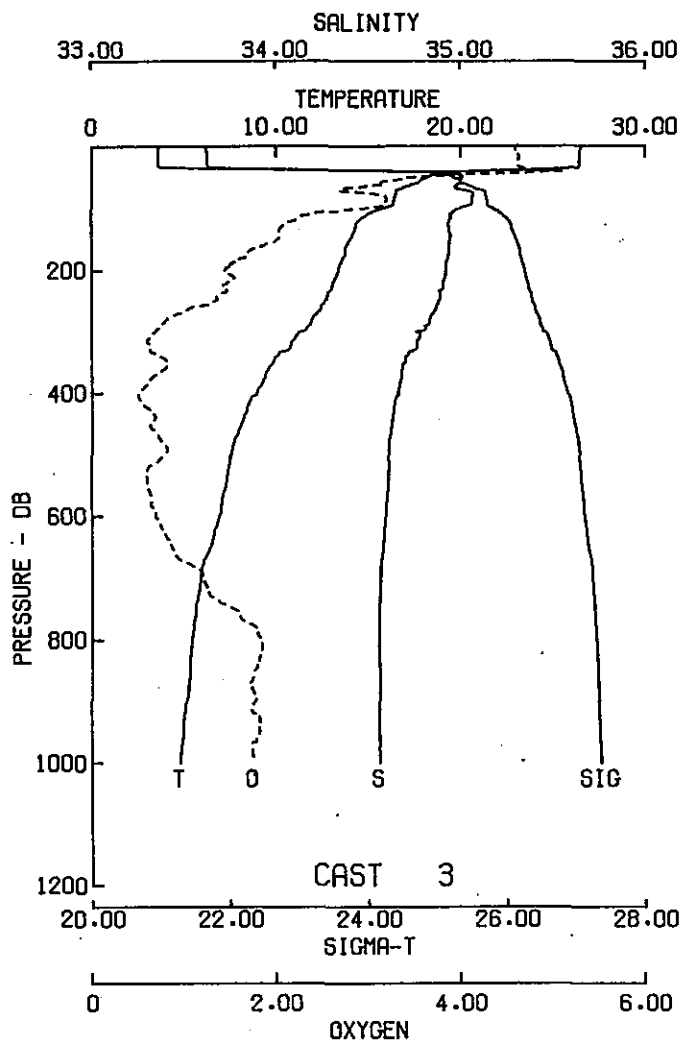


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.859	33.624	4.45	21.747	0.000
1.	26.858	33.624	4.45	21.747	
10.	26.856	33.624	4.55	21.748	.061
20.	26.831	33.622	4.53	21.754	.121
30.	26.800	33.621	4.50	21.763	.182
40.	26.793	33.620	4.52	21.765	.243
50.	26.791	33.624	4.52	21.768	.304
60.	22.164	33.761	4.48	24.008	.351
70.	19.957	34.896	3.80	24.712	.387
80.	17.985	34.912	3.19	25.225	.417
90.	17.067	34.903	2.80	25.441	.443
100.	16.710	34.869	2.63	25.499	.469
110.	15.827	34.909	2.51	25.734	.493
120.	15.318	34.915	2.37	25.853	.515
130.	14.609	34.914	2.16	26.009	.533
140.	14.264	34.926	1.87	26.091	.556
150.	13.991	34.912	1.72	26.138	.576
160.	13.753	34.906	1.59	26.183	.595
170.	13.643	34.914	1.46	26.212	.614
180.	13.511	34.911	1.31	26.237	.632
190.	13.385	34.903	1.26	26.257	.650
200.	13.299	34.898	1.19	26.271	.668
250.	11.907	34.815	.64	26.481	.754
300.	10.556	34.734	.58	26.666	.831
350.	9.081	34.668	.46	26.865	.898
400.	8.387	34.637	.40	26.950	.959
450.	7.878	34.618	.51	27.012	1.018
500.	7.463	34.605	.78	27.063	1.073
508.	7.401	34.604	.85	27.071	

CAST EP6-83-DI-003 DATE 14 NOV 83 TIME 1924 GMT
LAT 02 47.2N LONG 094 55.7W



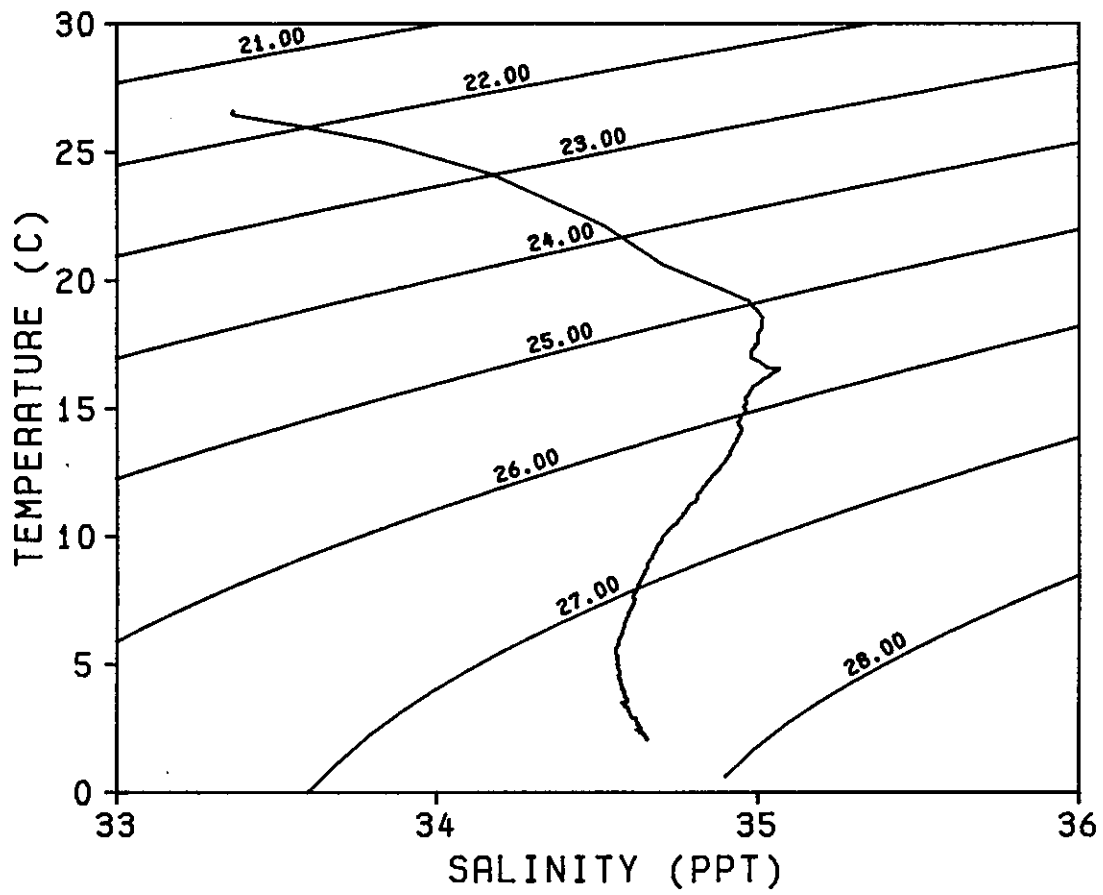
CAST EP6-83-DI-003 DATE 14 NOV 83 TIME 1924 GMT
 LAT 02 47.2N LONG 094 55.7W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 200 T SPD 20 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 25.4 WET 21.8 DEPTH 2837 M



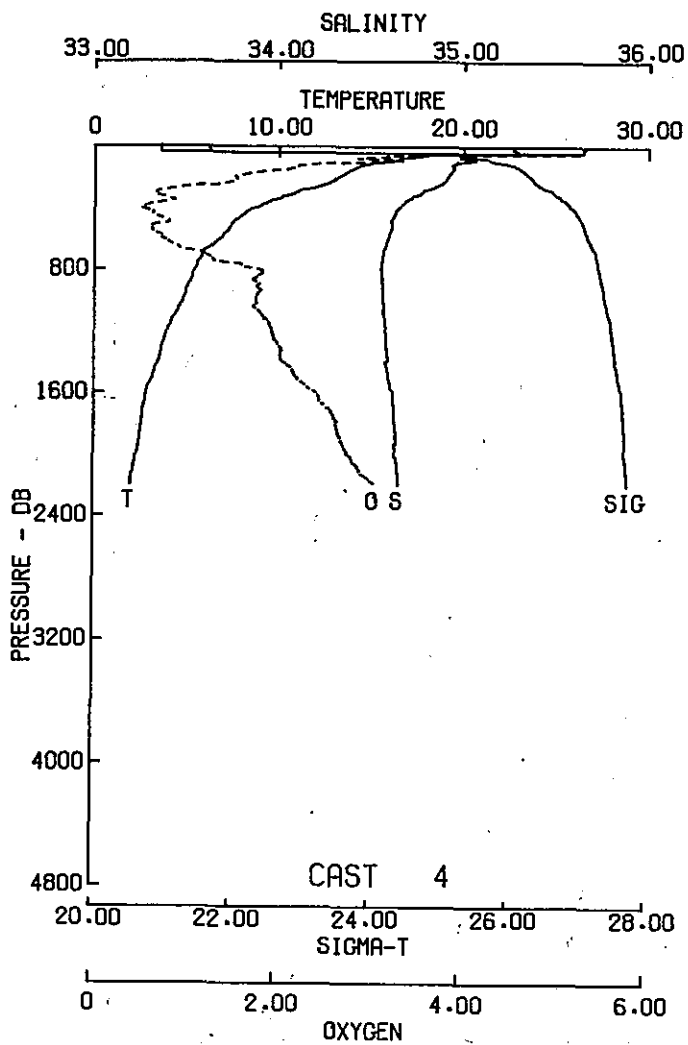
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-R (DYN-CM)
0.	26.570	33.369	4.62	21.645	0.600
10.	26.452	33.362	4.62	21.678	.063
20.	26.439	33.362	4.63	21.682	.123
30.	26.434	33.363	4.63	21.684	.184
40.	21.383	34.575	5.05	24.084	.241
50.	18.263	35.015	3.55	25.235	.271
60.	17.707	35.005	3.14	25.365	.299
70.	16.746	34.993	2.70	25.586	.324
80.	16.493	35.069	3.18	25.703	.347
90.	16.393	35.063	3.20	25.722	.370
100.	15.874	35.006	3.03	25.798	.391
110.	15.044	34.945	2.42	25.937	.411
120.	14.593	34.944	2.22	25.935	.434
130.	14.577	34.942	2.08	25.980	.450
140.	14.267	34.944	2.05	26.105	.470
150.	14.096	34.950	2.03	26.145	.494
160.	13.908	34.946	1.89	26.182	.517
170.	13.801	34.940	1.71	26.206	.533
180.	13.689	34.937	1.68	26.221	.550
190.	13.551	34.927	1.53	26.241	.565
200.	13.412	34.924	1.45	26.268	.587
220.	12.724	34.886	1.35	26.377	.676
230.	11.530	34.769	.70	26.516	.753
240.	9.911	34.702	.82	26.753	.832
250.	8.999	34.664	.51	26.875	.897
260.	8.144	34.626	.65	26.978	.957
270.	7.561	34.612	.81	27.054	1.014
280.	7.312	34.612	.61	27.089	1.068
290.	6.955	34.598	.79	27.135	1.121
300.	6.475	34.583	.88	27.182	1.171
320.	5.934	34.568	1.22	27.245	1.219
330.	5.534	34.553	1.53	27.268	1.266
340.	5.434	34.536	1.83	27.293	1.310
350.	5.322	34.561	1.76	27.310	1.354
360.	5.155	34.563	1.79	27.332	1.397
380.	4.988	34.563	1.83	27.352	1.440
400.	4.822	34.565	1.76	27.372	1.481
420.	4.822	34.565	1.76	27.372	1.481

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CAST EP6-83-DI-004 DATE 14 NOV 83 TIME 2328 GMT
LAT 02 49.2N LONG 094 59.7W



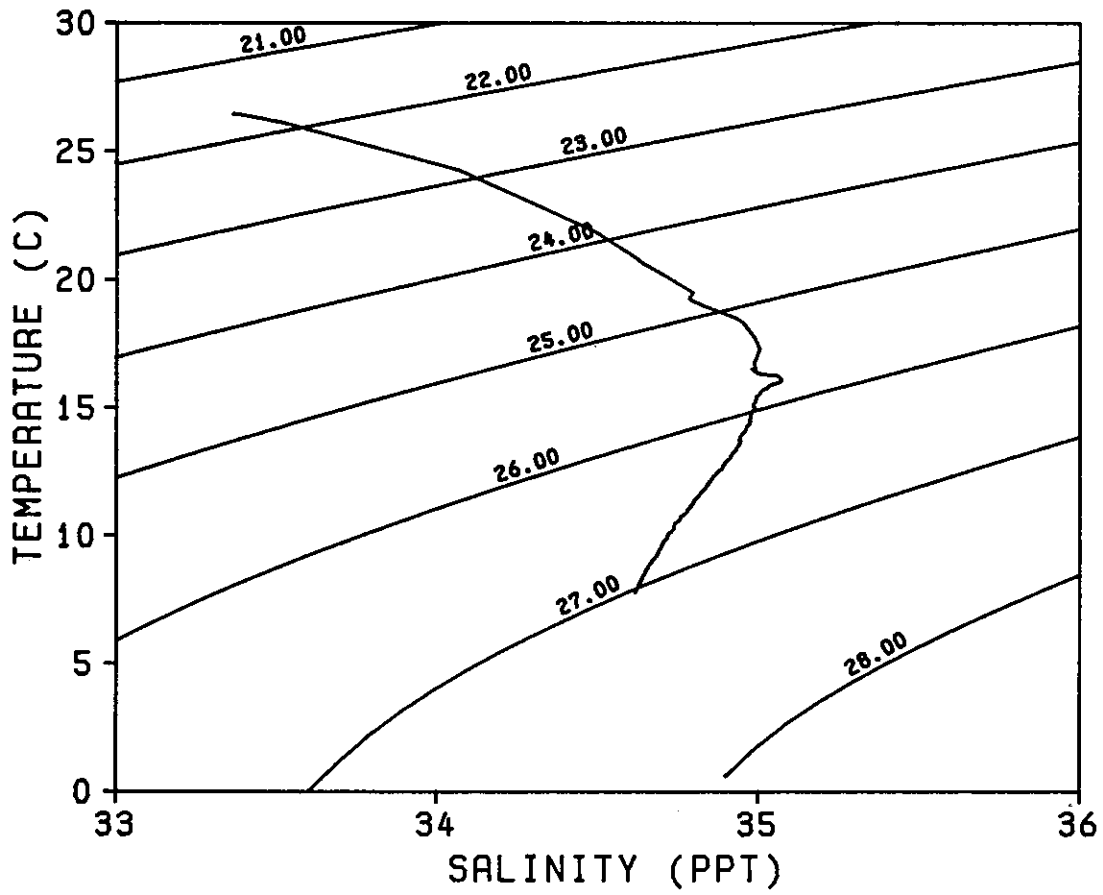
CAST EP6-P3-DI-004 DATE 14 NOV 83 TIME 2328 GMT
 LAT 02 49.2N LONG 094 59.7W WEATHER 1 SEA STATE 3
 BAROMETER 16 WIND DIR 220 T SPD 08 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 24.6 WET 21.2 DEPTH 2639 M



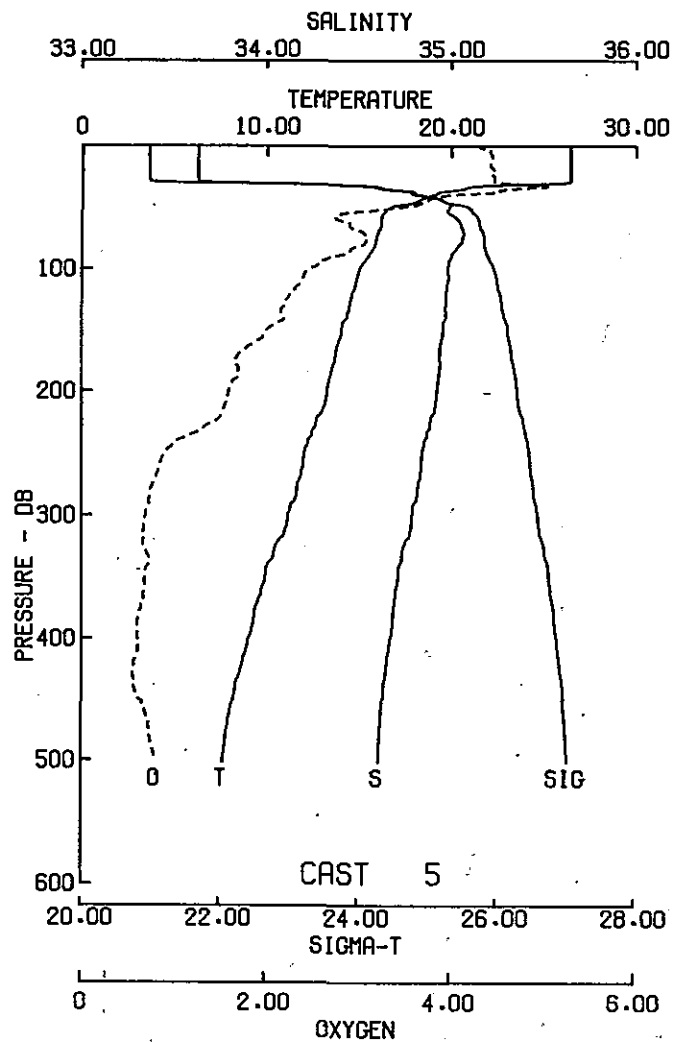
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.573	33.364	4.51	21.642	0.060
10	26.565	33.364	4.54	21.644	0.062
20	26.471	33.363	4.54	21.673	0.127
30	26.453	33.363	4.59	21.678	0.185
40	26.414	33.376	4.59	21.701	0.246
50	18.919	34.985	5.04	21.947	0.290
60	17.857	34.998	3.45	22.322	0.312
70	17.318	34.986	3.14	22.555	0.344
80	16.549	35.066	2.90	22.688	0.368
90	16.448	35.062	2.26	22.708	0.392
100	15.889	34.992	3.13	22.784	0.415
110	15.054	34.955	2.63	22.942	0.436
120	14.789	34.948	2.38	22.955	0.457
130	14.359	34.940	2.21	22.982	0.477
140	14.154	34.950	2.16	22.966	0.496
150	14.001	34.945	2.12	22.962	0.516
160	13.791	34.937	1.94	22.920	0.535
170	13.729	34.933	1.78	22.895	0.553
180	13.527	34.925	1.68	22.845	0.572
190	13.410	34.919	1.61	22.824	0.590
200	13.246	34.912	1.53	22.839	0.608
210	12.491	34.879	1.35	22.841	0.695
220	11.031	34.777	0.68	22.851	0.775
230	9.832	34.700	0.86	22.876	0.847
240	8.870	34.653	0.53	22.887	0.912
250	8.087	34.622	0.66	22.909	0.971
260	7.530	34.617	0.81	27.063	1.024
270	7.287	34.610	0.64	27.092	1.082
280	6.898	34.596	0.74	27.135	1.134
290	6.374	34.581	0.90	27.194	1.184
300	5.917	34.567	1.21	27.242	1.231
310	5.648	34.560	1.33	27.270	1.277
320	5.491	34.556	1.75	27.286	1.323
330	5.321	34.560	1.79	27.310	1.367
340	5.106	34.564	1.70	27.336	1.410
350	4.572	34.563	1.79	27.354	1.452
360	4.828	34.564	1.75	27.371	1.494
370	3.201	34.595	2.19	27.366	1.853
380	2.340	34.633	2.75	27.672	2.136
390	2.046	34.656	3.05	27.714	

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CAST EP6-83-DI-005 DATE 15 NOV 83 TIME 1055 GMT
LAT 02 29.3N LONG 095 00.7W

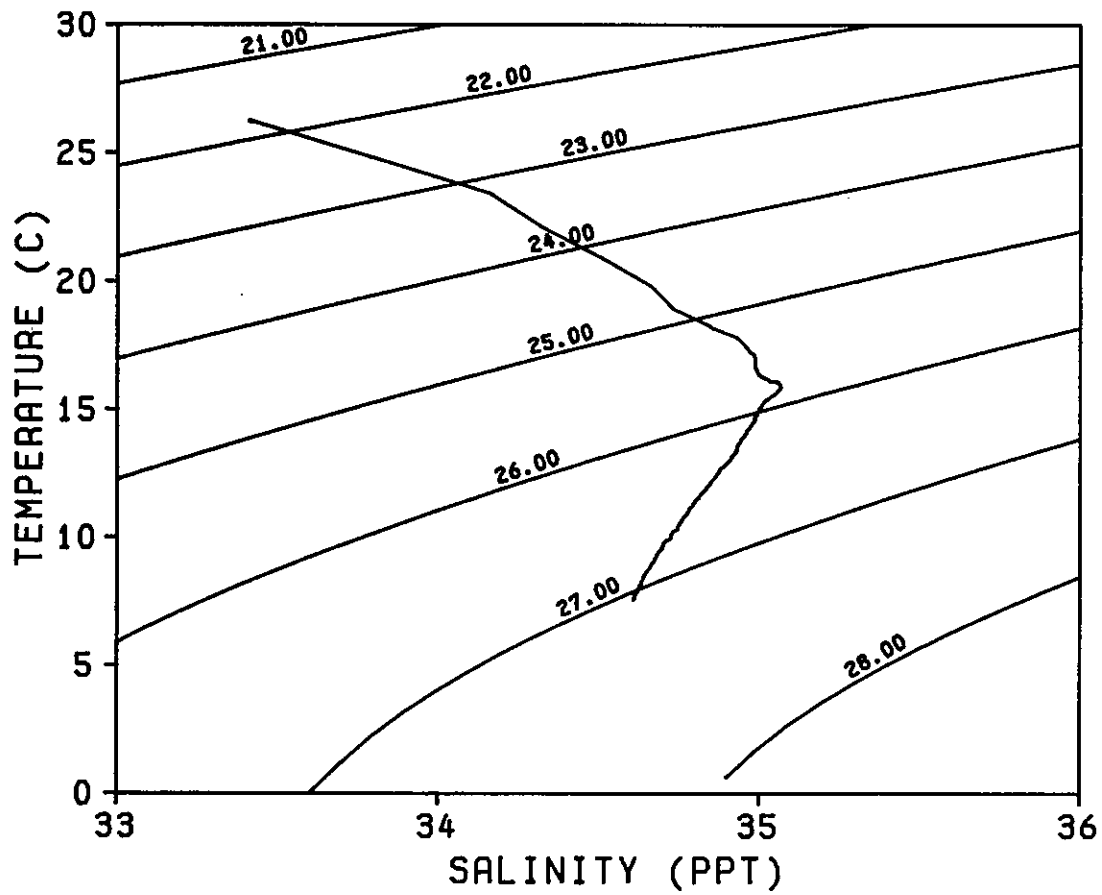


CAST EP6-83-DI-005 DATE 15 NOV 83 TIME 1055 GMT
 LAT 02 29.3N LONG 095 00.7W WEATHER 2 SEA STATE 3
 BAROMETER 11 WIND DIR 120 T SPD 10 KT VISIBILITY 4
 CLOUD 5 AMOUNT 9 DRY 24.0 WFT 22.0 DEPTH 2402 M

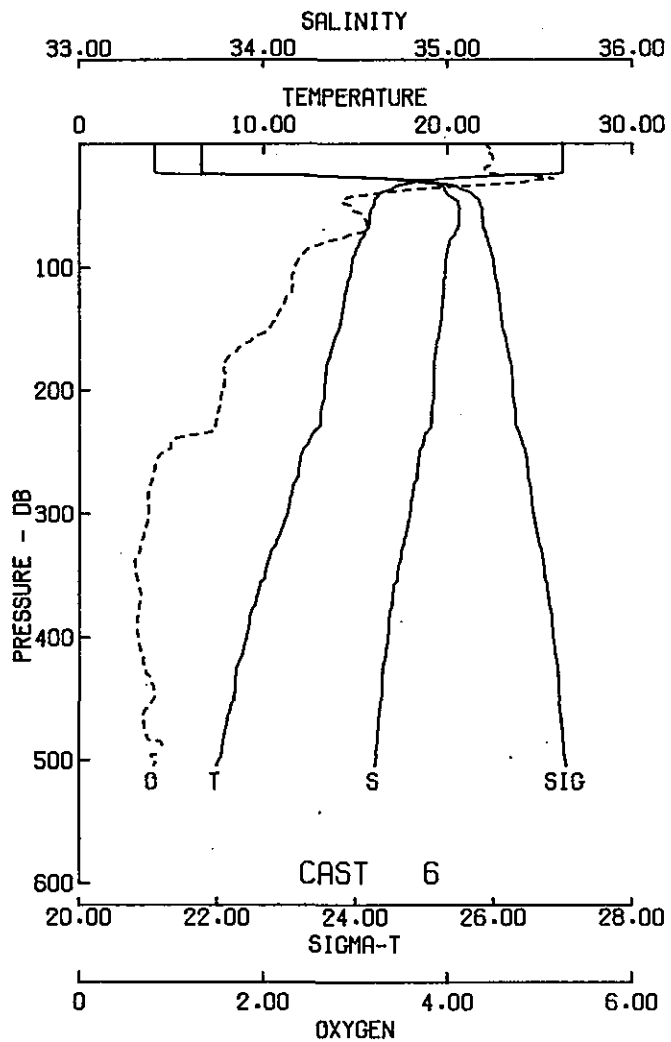


DRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-R (DYN-CM)
0.	26.451	33.366	4.32	21.681	0.000
10.	26.460	33.365	4.43	21.672	.001
20.	26.461	33.365	4.47	21.672	.001
30.	26.469	33.369	4.54	21.606	.000
40.	18.887	34.825	3.95	22.508	.000
50.	16.735	34.986	3.44	23.583	.000
60.	16.248	34.939	2.77	24.738	.000
70.	16.086	34.970	3.05	25.796	.000
80.	15.925	34.951	3.06	26.821	.000
90.	15.542	34.964	3.74	27.870	.000
100.	15.090	34.982	4.49	28.955	.000
110.	14.899	34.985	5.39	30.006	.000
120.	14.661	34.975	6.29	31.044	.000
130.	14.525	34.972	7.20	32.071	.000
140.	14.388	34.972	8.17	33.080	.000
150.	14.090	34.958	9.01	34.075	.000
160.	13.915	34.947	9.86	35.058	.000
170.	13.771	34.940	1.71	36.026	.000
180.	13.594	34.941	1.70	36.983	.000
190.	13.414	34.932	1.68	37.927	.000
200.	13.295	34.926	1.60	38.858	.000
250.	12.090	34.846	.91	40.470	.000
300.	11.194	34.791	.70	41.996	.000
350.	9.988	34.718	.70	43.553	.000
400.	9.076	34.675	.62	45.147	.000
450.	8.248	34.634	.62	46.771	.000
500.	7.736	34.617	.82	48.432	.000
502.	7.732	34.617	.82	49.133	.000

CAST EP6-83-DI-006 DATE 15 NOV 83 TIME 1525 GMT
LAT 02 00.9N LONG 095 00.9W

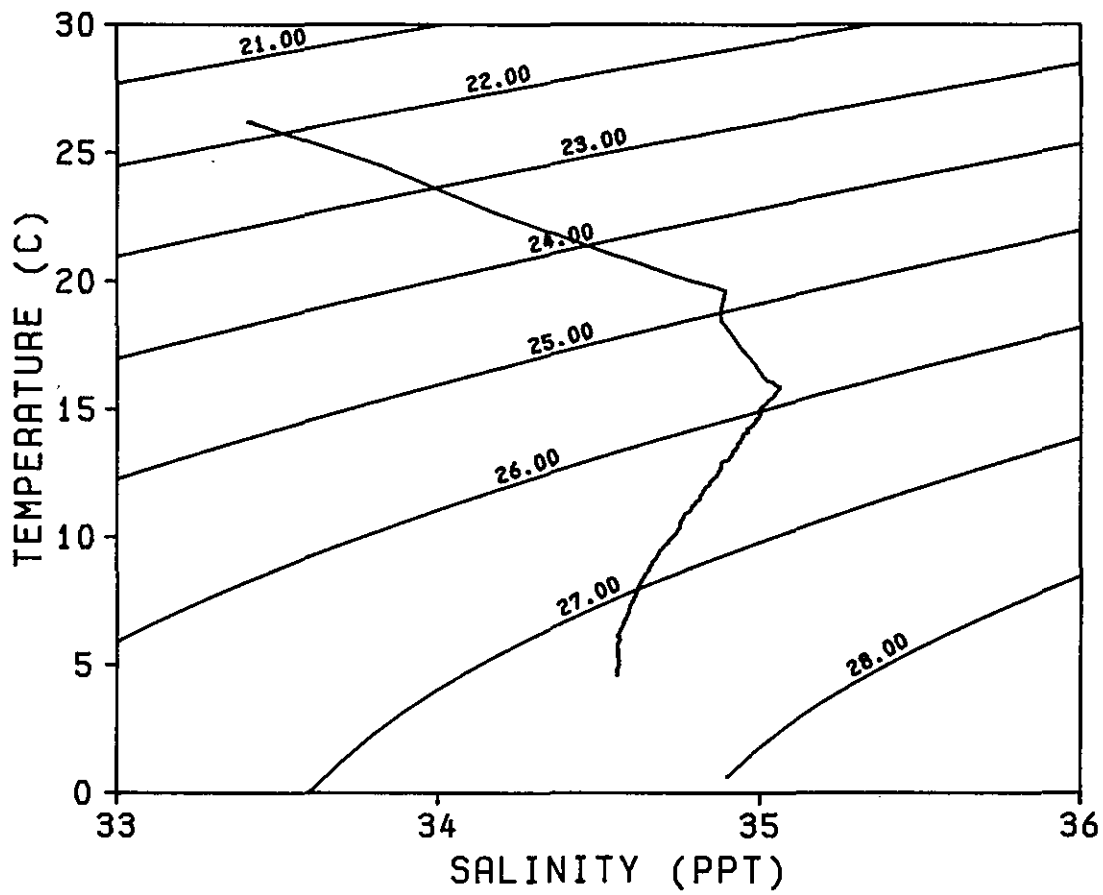


CAST EP6-83-CI-006 DATE 15 NOV 83 TIME 1529 GMT
 LAT 32 39.9N LONG 95 09.9W WEATHER 2 SEA STATE 3
 BAROMETER 13 WIND DIR 180 T SPD 12 KT VISIBILITY 6
 CLOUD 6 AMOUNT 8 DRY 24.1 WET 22.8 DEPTH 2686 M

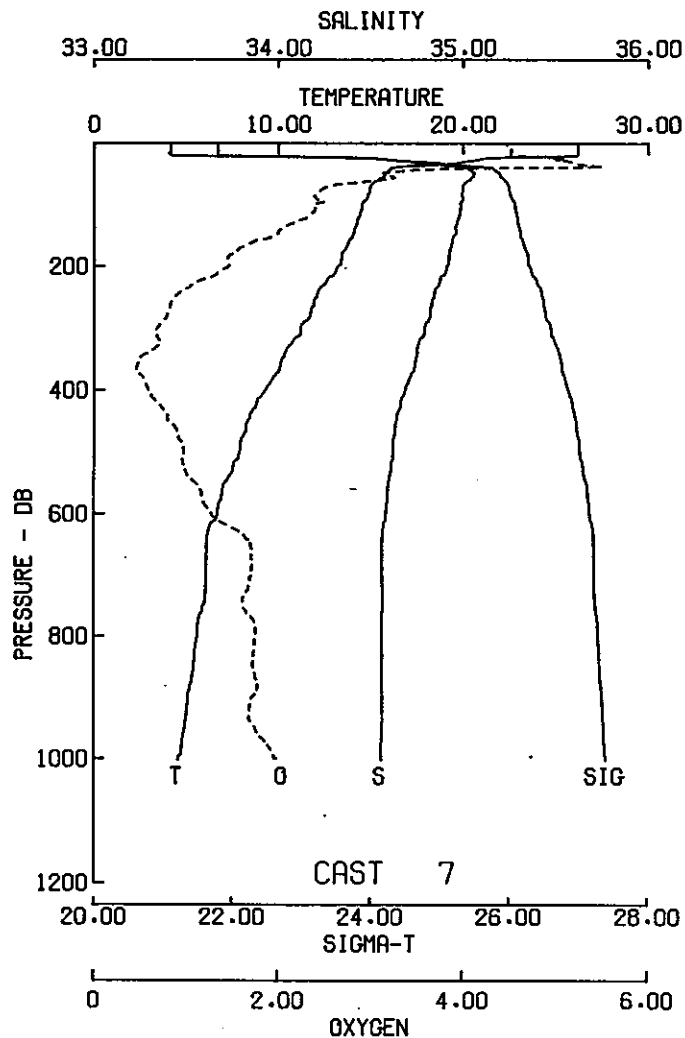


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYA-M)
0	26.242	34.411	4.43	21.781	0.000
10	26.246	34.411	4.49	21.779	.166
20	26.246	34.412	4.40	21.786	.121
30	18.899	34.736	4.94	24.865	.175
40	16.391	34.995	4.32	25.671	.198
50	16.014	34.959	3.95	25.807	.223
60	15.838	34.906	3.12	25.852	.242
70	15.687	34.855	2.12	25.878	.264
80	15.285	34.815	1.67	25.937	.295
90	15.027	34.800	1.44	25.983	.306
100	14.837	34.793	1.36	26.019	.326
110	14.688	34.785	1.33	26.045	.346
120	14.525	34.783	1.32	26.063	.366
130	14.404	34.776	1.33	26.066	.386
140	14.296	34.772	1.15	26.120	.405
150	14.150	34.761	1.06	26.140	.425
160	13.866	34.748	1.88	26.190	.444
170	13.671	34.737	1.69	26.205	.462
180	13.455	34.730	1.57	26.205	.481
190	13.385	34.729	1.60	26.205	.499
200	13.342	34.726	1.57	26.205	.517
250	12.141	34.849	.93	26.462	.604
300	11.324	34.797	.76	26.576	.684
350	10.103	34.728	.63	26.740	.756
400	9.117	34.677	.63	26.860	.822
450	8.408	34.641	.80	26.956	.884
500	7.640	34.613	.80	27.043	.941
505	7.514	34.600	.82	27.058	

CAST EP6-83-DI-007 DATE 15 NOV 83 TIME 2038 GMT
LAT 01 28.7N LONG 094 57.3W

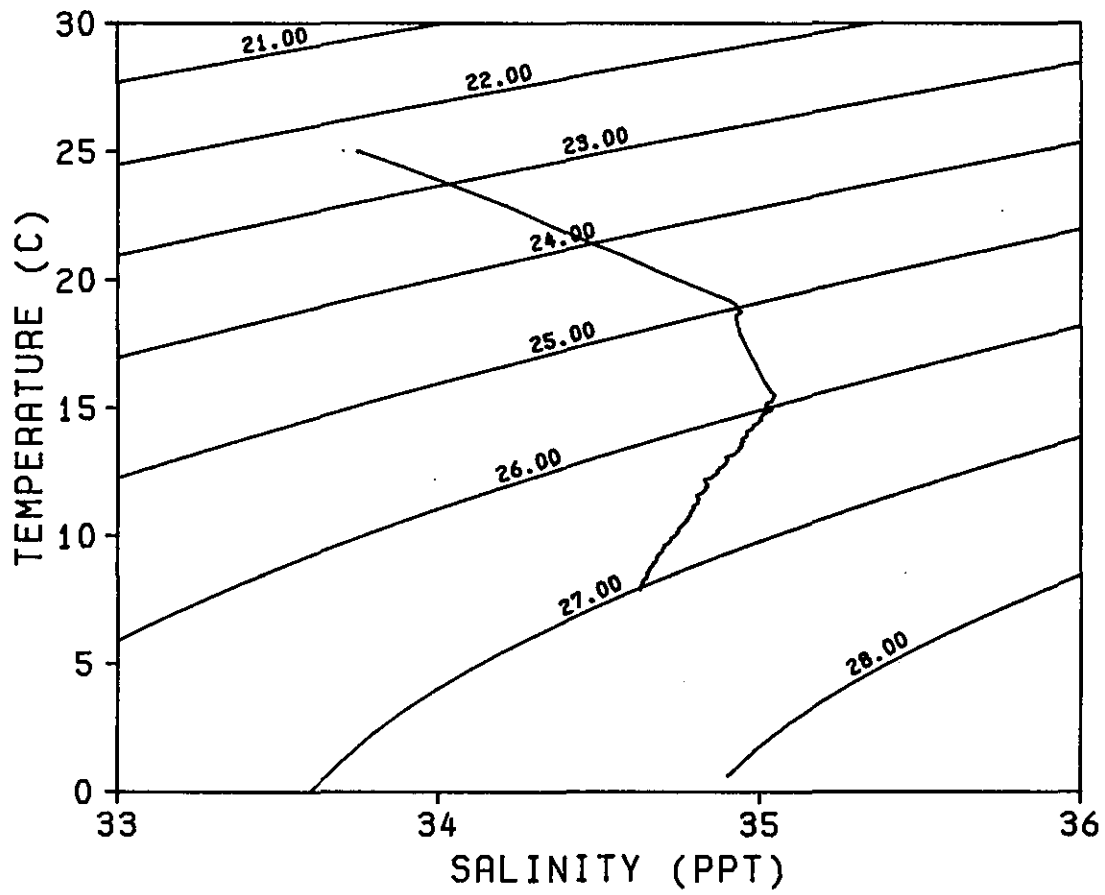


CAST EPE-83-DI-007 DATE 15 NOV 83 TIME 2038 GMT
 LAT 01 28.7N LONG 094 57.3W WEATHER 2 SEA STATE 3
 BAROMETER 11 WIND DIR 190 T SPD 18 KT VISIBILITY 8
 CLOUD 6 AMOUNT 8 DRY 23.9 WET 22.0 DEPTH 2000 M

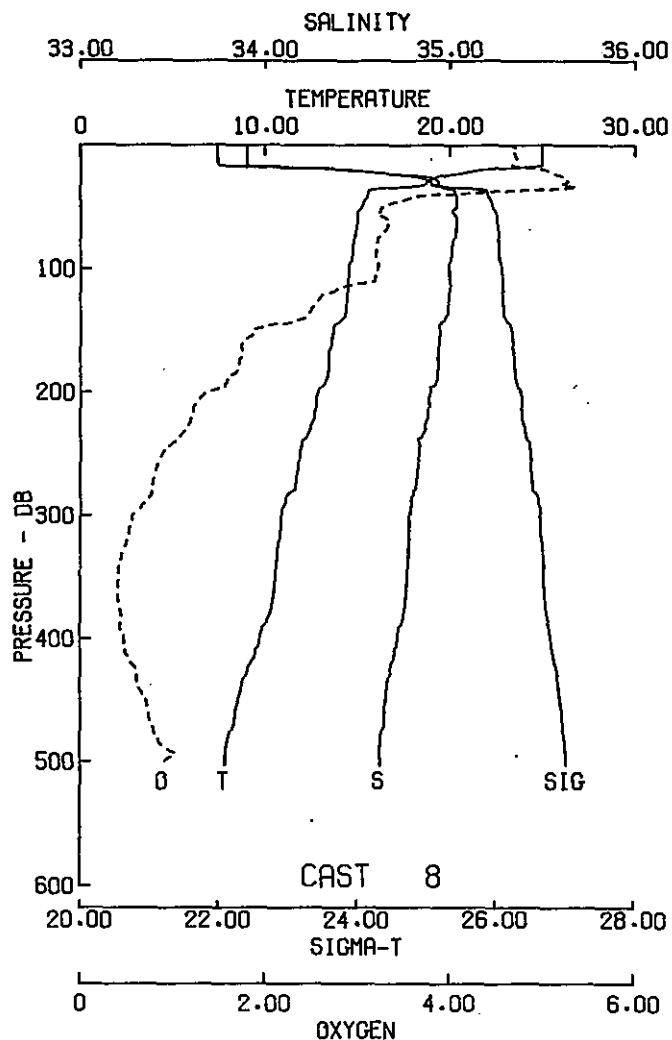


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-P (DYA-M)
0.	26.206	33.416	4.43	27.795	0.096
10.	26.202	33.416	4.52	27.795	0.056
20.	26.183	33.419	4.52	27.805	0.121
30.	20.193	34.735	5.15	27.527	0.154
40.	16.159	35.014	4.84	27.739	0.197
50.	15.774	35.058	3.14	27.866	0.215
60.	15.412	35.037	3.10	27.926	0.232
70.	14.988	34.998	2.55	27.990	0.257
80.	14.929	34.995	2.43	27.661	0.277
90.	14.802	35.000	2.41	27.632	0.297
100.	14.543	34.986	2.39	27.578	0.317
110.	14.483	34.984	2.39	27.678	0.337
120.	14.366	34.977	2.32	27.619	0.356
130.	14.244	34.966	2.17	27.625	0.374
140.	14.111	34.959	2.02	27.714	0.391
150.	14.022	34.953	1.96	27.663	0.414
160.	13.823	34.942	1.74	27.619	0.432
170.	13.669	34.936	1.59	27.624	0.450
180.	13.441	34.925	1.52	27.663	0.470
190.	13.415	34.924	1.45	27.667	0.488
200.	13.247	34.915	1.46	27.295	0.506
250.	12.974	34.843	.88	27.470	0.591
300.	11.201	34.793	.69	27.596	0.671
350.	10.172	34.743	.49	27.741	0.744
400.	9.293	34.687	.59	27.845	0.811
450.	8.326	34.638	.81	27.962	0.873
500.	7.388	34.621	.98	27.013	0.931
550.	7.082	34.596	1.10	27.109	0.986
600.	6.680	34.587	1.27	27.154	1.037
650.	6.111	34.562	1.71	27.213	1.086
700.	6.074	34.563	1.71	27.219	1.134
750.	5.917	34.567	1.62	27.242	1.181
800.	5.601	34.561	1.76	27.277	1.227
850.	5.403	34.563	1.73	27.303	1.272
900.	5.086	34.565	1.72	27.342	1.315
950.	4.918	34.564	1.75	27.361	1.357
1000.	4.563	34.562	1.95	27.399	1.399
1003.	4.554	34.561	2.05	27.399	

CAST EP6-83-DI-008 DATE 16 NOV 83 TIME 1111 GMT
LAT 00 50.2N LONG 095 02.1W

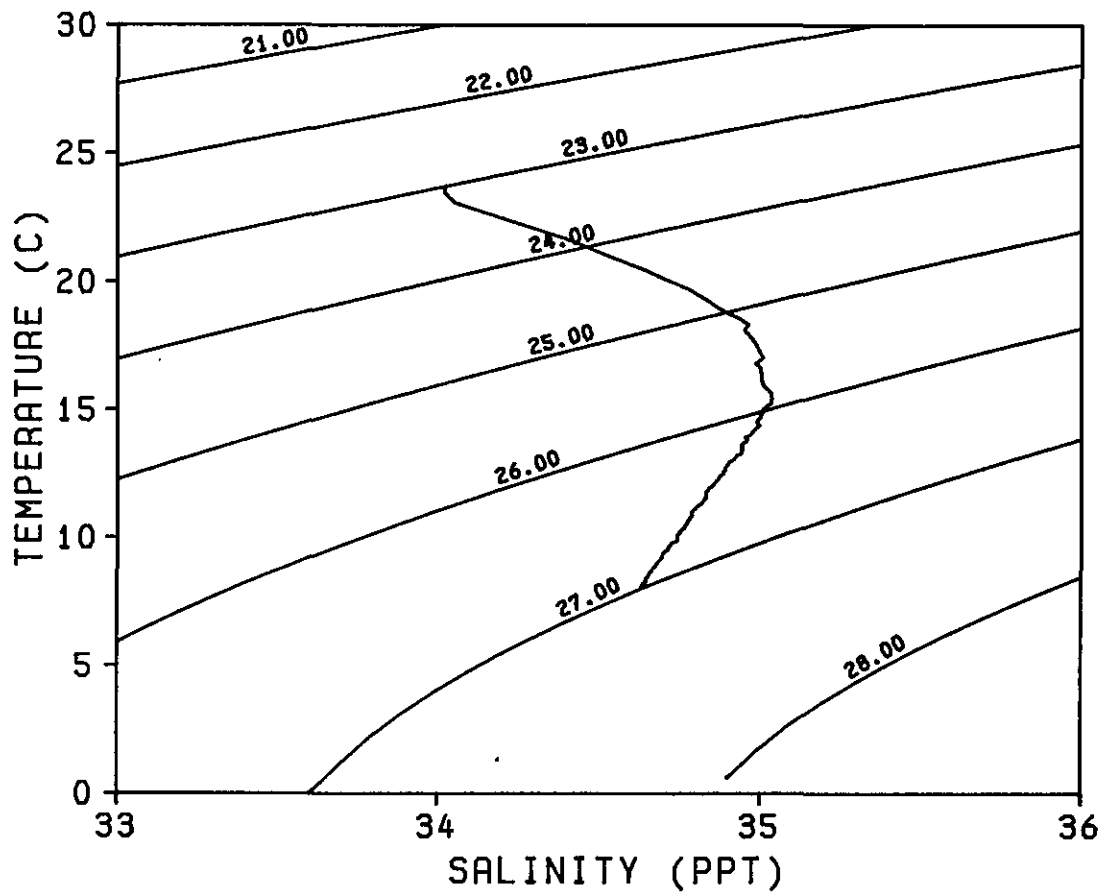


CAST EF6-R3-DI-008 DATE 16 NOV 83 TIME 1111 GMT
 LAT 30 50.2N LONG 095 02.1W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 150 T SPD 12 KT VISIBILITY P
 CLOUD 6 AMOUNT 3 DRY 22.5 WET 21.0 DEPTH M

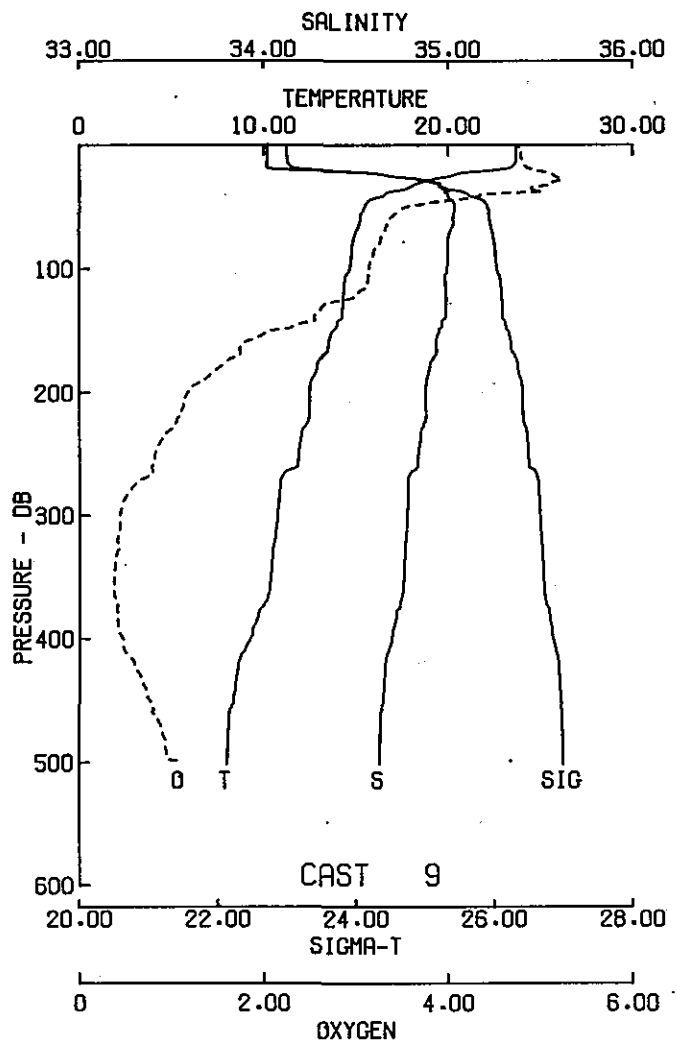


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-SI (DYN-CM)
0.	25.001	33.746	4.64	22.413	0.000
10.	24.895	33.745	4.671	22.414	.054
20.	21.921	33.4.578	5.001	23.786	.107
30.	18.750	33.4.940	5.29	25.056	.140
40.	15.581	33.5.035	4.002	25.886	.166
50.	15.277	33.5.034	3.300	25.953	.187
60.	15.018	33.5.038	3.300	26.015	.207
70.	14.908	33.5.035	3.300	26.076	.227
80.	14.801	33.5.019	3.300	26.047	.247
90.	14.751	33.5.011	3.300	26.052	.267
100.	14.547	33.4.999	3.300	26.086	.287
110.	14.508	33.5.002	3.300	26.097	.306
120.	14.485	33.4.999	3.300	26.100	.326
130.	14.412	33.4.993	3.300	26.111	.346
140.	14.207	33.4.977	2.44	26.142	.366
150.	13.692	33.4.949	1.86	26.220	.386
160.	13.598	33.4.934	1.76	26.241	.406
170.	13.469	33.4.940	1.75	26.260	.426
180.	13.440	33.4.937	1.72	26.272	.446
190.	13.330	33.4.933	1.59	26.294	.466
200.	13.256	33.4.844	1.30	26.357	.476
250.	11.881	33.4.835	.89	26.501	.550
300.	10.910	33.4.783	.57	26.641	.630
350.	10.584	33.4.771	.41	26.690	.700
400.	9.737	33.4.718	.48	26.705	.770
450.	8.578	33.4.655	.72	26.936	.840
500.	7.873	33.4.626	.92	27.019	.901
503.	7.856	34.623	.91	27.620	

CAST EP6-83-DI-009 DATE 16 NOV 83 TIME 2347 GMT
LAT 00 30.0N LONG 094 59.8W



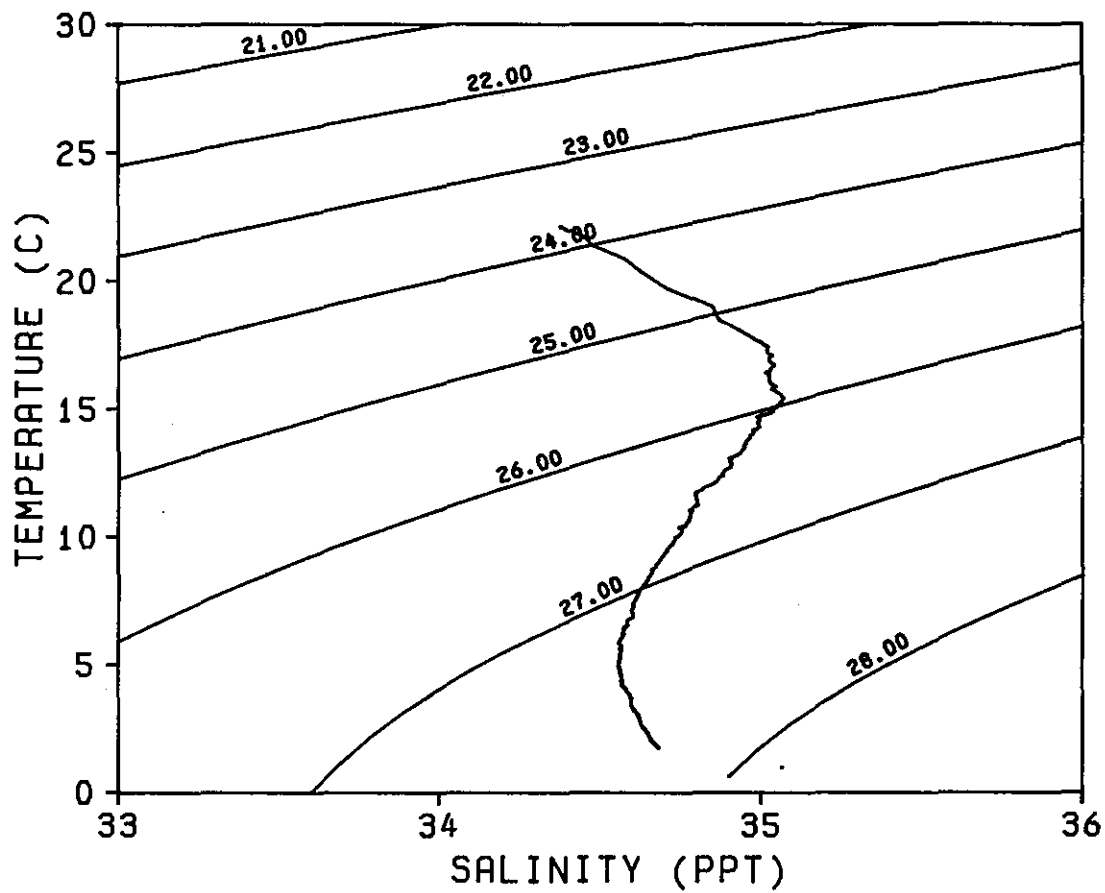
CAST EP6-83-DI-009 DATE 16 NOV 93 TIME 2347 GMT
 LAT 00 33.8N LONG 094 59.8W WFAZHER 2 SEA STATE 4
 BAROMETER 10 WIND DIR 140 T SPD 16 KT VISIBILITY 7
 CLOUD 6 AMOUNT 4 DRY 22.3 WET 21.0 DEPTH 3272 M



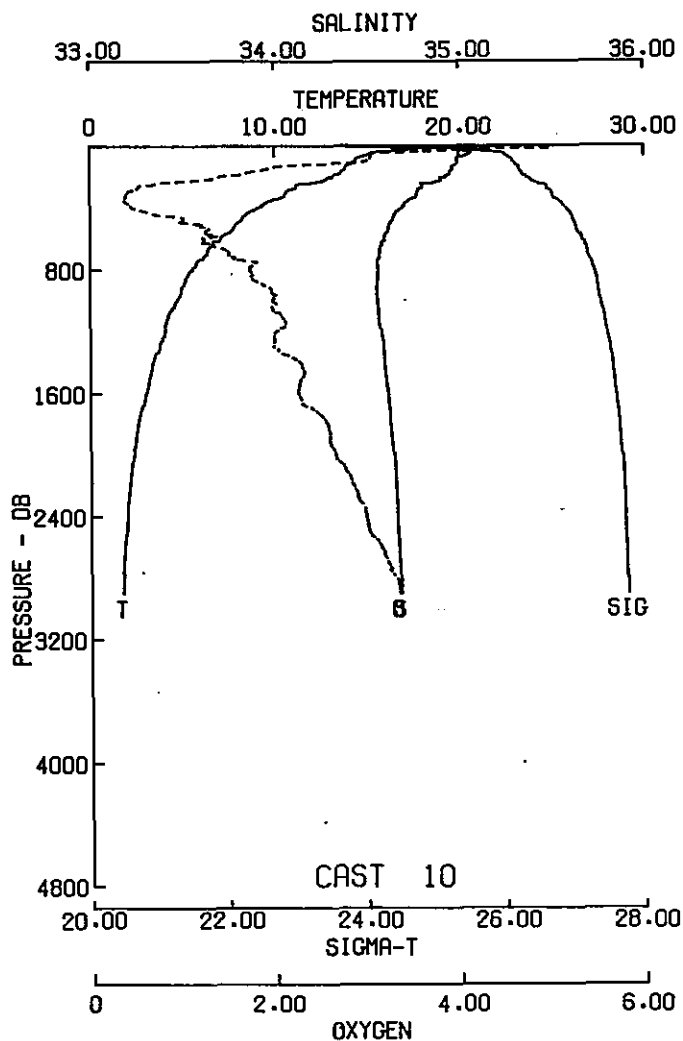
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-K)
0.	23.720	34.024	4.71	23.005	0.000
10.	23.677	34.022	4.79	23.016	.140
20.	23.044	34.053	4.92	23.222	.797
30.	18.752	34.898	5.15	25.023	1.737
40.	16.633	34.999	4.52	25.617	1.870
50.	15.523	35.035	3.61	25.899	1.820
60.	15.351	35.033	3.38	25.945	.204
70.	15.088	35.018	3.32	25.983	.224
80.	14.899	35.006	3.27	26.016	.244
90.	14.823	35.003	3.20	26.036	.264
100.	14.723	34.999	3.16	26.048	.284
110.	14.438	34.991	3.14	26.055	.304
120.	14.339	34.994	3.04	26.066	.324
130.	14.300	34.995	2.67	26.076	.344
140.	14.300	34.990	2.55	26.086	.364
150.	13.830	34.957	2.09	26.206	.384
160.	13.830	34.942	1.79	26.253	.404
170.	13.230	34.937	1.75	26.314	.414
180.	12.530	34.904	1.52	26.351	.434
190.	12.530	34.890	1.35	26.399	.454
200.	12.530	34.883	1.18	26.412	.474
250.	11.915	34.841	.83	26.499	.554
300.	10.759	34.780	.45	26.666	.624
350.	10.415	34.764	.37	26.714	.694
400.	9.298	34.696	.48	26.851	.764
450.	8.344	34.647	.76	26.964	.834
500.	8.051	34.631	1.10	26.999	.884
520.	8.030	34.630	1.09	26.999	.884

377

CAST EP6-83-DI-010 DATE 17 NOV 83 TIME 1004 GMT
LAT 00 01.1N LONG 095 17.2W

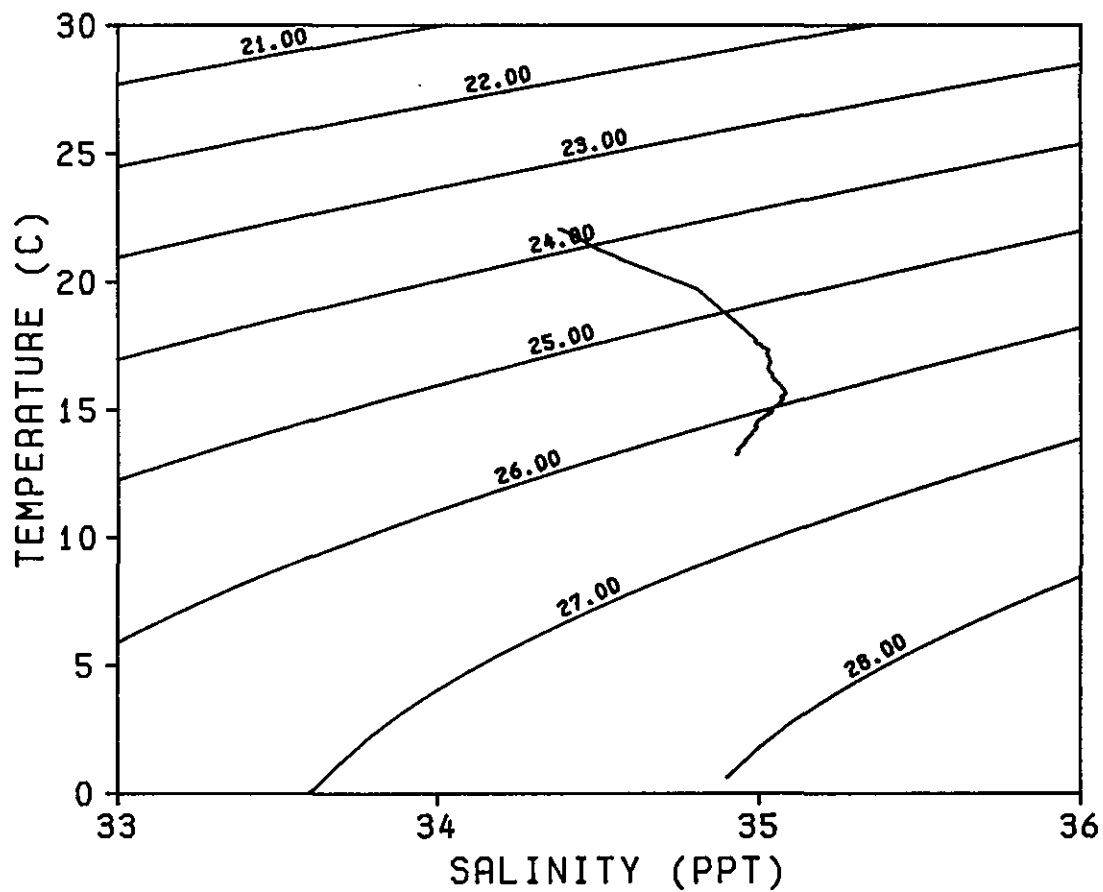


CAST EP6-83-01-010 DATE 17 NOV 83 TIME 1904 GMT
 LAT 00 01.1N LONG 095 17.2W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DTR 140 T SPD 10 KT VISIBILITY P
 CLOUD X AMOUNT 9 DRY 20.6 WET 23.2 DEPTH 3275 M

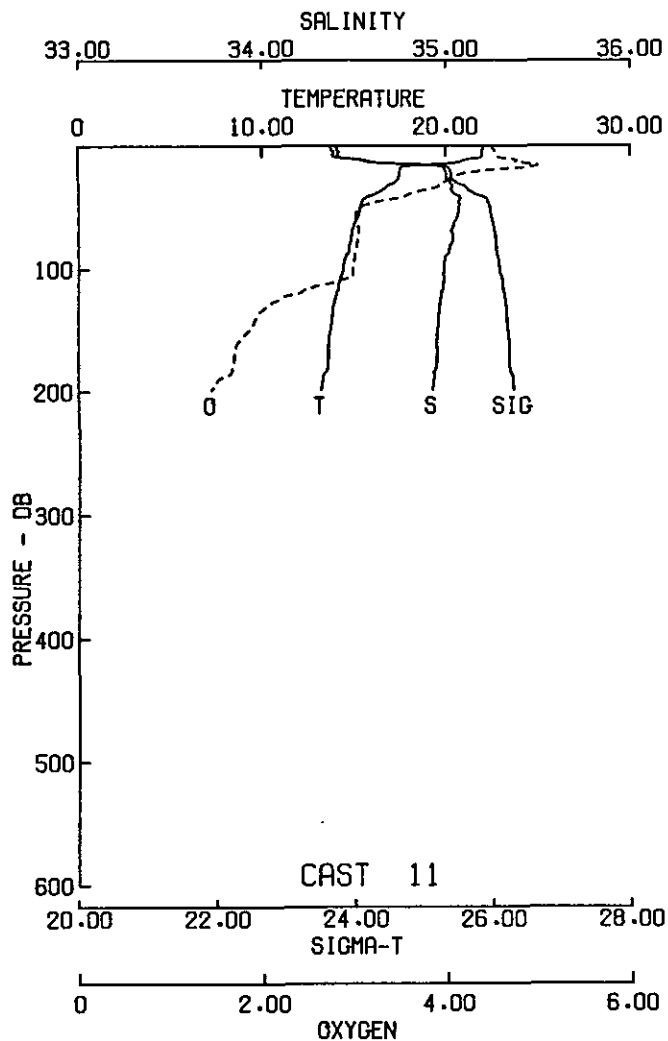


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-F (DYN-CM)
0	22.092	34.374	4.62	23.736	0.000
10	21.648	34.451	4.74	23.917	0.041
17	17.592	34.995	4.43	25.385	0.673
30	17.054	35.034	3.91	25.545	0.999
40	15.869	35.088	3.56	25.793	1.222
50	15.264	35.066	3.07	25.981	1.414
60	15.106	35.053	3.03	26.006	1.484
70	14.854	35.036	3.07	26.048	1.544
80	14.579	34.997	3.04	26.078	1.604
90	14.427	34.991	3.03	26.106	1.654
100	14.400	34.990	3.00	26.113	1.699
110	14.285	34.994	2.93	26.139	1.744
120	14.214	34.989	2.64	26.150	1.799
130	13.980	34.975	2.19	26.190	1.904
140	13.878	34.965	1.98	26.203	1.954
150	13.865	34.966	1.94	26.207	1.999
160	13.799	34.964	1.87	26.219	2.044
170	13.669	34.960	1.76	26.239	2.094
180	13.605	34.955	1.70	26.250	2.144
190	13.487	34.944	1.63	26.269	2.194
200	13.219	34.931	1.43	26.313	2.244
250	11.455	34.798	.69	26.552	2.394
300	9.683	34.776	.42	26.676	2.544
350	9.970	34.739	.39	26.772	2.594
400	9.148	34.689	.47	26.870	2.644
450	8.403	34.652	.78	26.959	2.694
500	8.006	34.622	1.08	27.002	2.744
550	7.685	34.614	1.24	27.037	2.794
600	7.081	34.596	1.25	27.110	2.844
650	6.571	34.580	1.26	27.167	2.894
700	6.337	34.569	1.25	27.192	2.944
750	6.229	34.559	1.27	27.245	2.994
800	6.171	34.564	1.27	27.283	3.044
850	6.256	34.566	1.27	27.319	3.094
900	6.120	34.558	1.28	27.332	3.144
950	6.052	34.558	1.28	27.352	3.194
1000	6.075	34.566	1.28	27.376	3.244
1500	5.204	34.592	2.29	27.572	3.494
2000	3.346	34.645	2.65	27.683	3.744
2500	1.549	34.664	3.01	27.728	3.994
2904	1.739	34.686	3.34	27.757	4.244

CAST EP6-83-DI-011 DATE 17 NOV 83 TIME 1248 GMT
LAT 00 01.5N LONG 095 20.9W



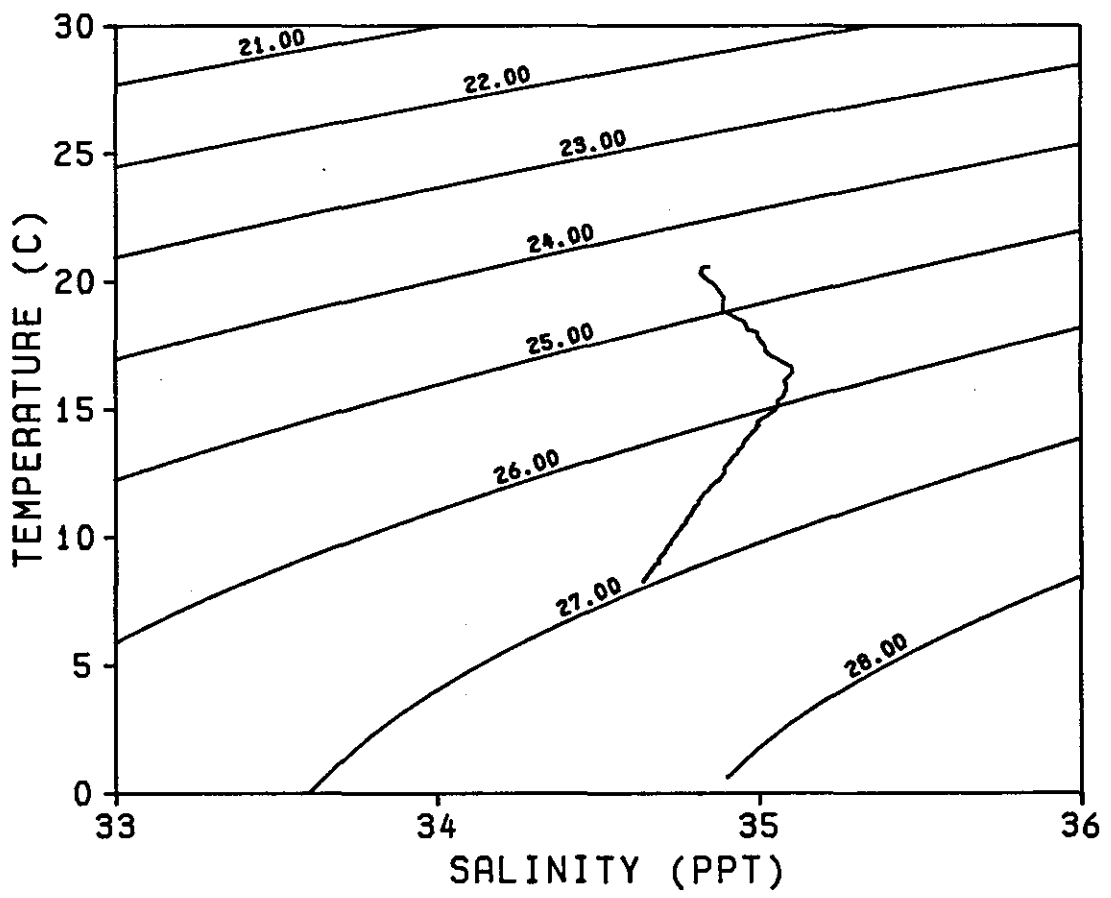
CAST EF6-83-DI-311 DATE 17 NOV 83 TIME 1248 GMT
 LAT 00 01.5N LONG 095 20.9W WEATHER 1 SFC STATE 3
 BAROMFTEP 13 WIND DIR 145 T SPD 08 KT VISIBILITY 9
 CLOUD 6 AMOUNT 5 DRY 20/6 WET 20/1 DEPTH M



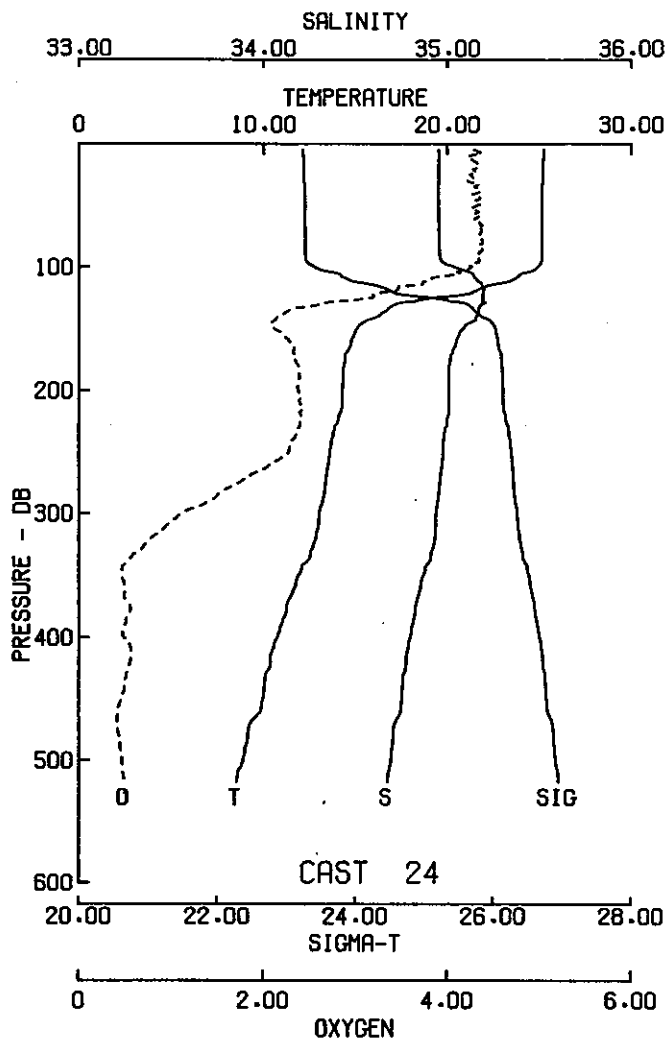
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-R (DYN-CM)
0.	22.026	34.376	4.51	23.756	0.001
10.	21.835	34.415	4.60	23.838	.041
20.	17.8288	35.000	4.47	25.404	.074
30.	17.2688	35.029	3.99	25.485	.099
40.	16.089	35.050	3.69	25.782	.123
50.	15.336	35.071	3.07	25.969	.144
60.	15.143	35.056	3.02	26.001	.165
70.	14.973	35.028	3.06	26.038	.186
80.	14.765	35.028	3.03	26.062	.207
90.	14.557	34.996	3.01	26.082	.228
100.	14.411	34.989	2.99	26.108	.249
110.	14.213	34.988	2.83	26.150	.270
120.	14.034	34.978	2.41	26.180	.291
130.	13.887	34.967	2.08	26.202	.312
140.	13.809	34.960	1.94	26.217	.333
150.	13.733	34.954	1.86	26.225	.354
160.	13.612	34.949	1.74	26.246	.375
170.	13.601	34.951	1.70	26.240	.396
180.	13.574	34.949	1.68	26.253	.417
190.	13.303	34.934	1.53	26.298	.438
199.	13.204	34.926	1.45	26.311	.459

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CAST EP6-83-DI-012 DATE 18 NOV 83 TIME 0014 GMT
LAT 0 29.8S LONG 094 59.7W



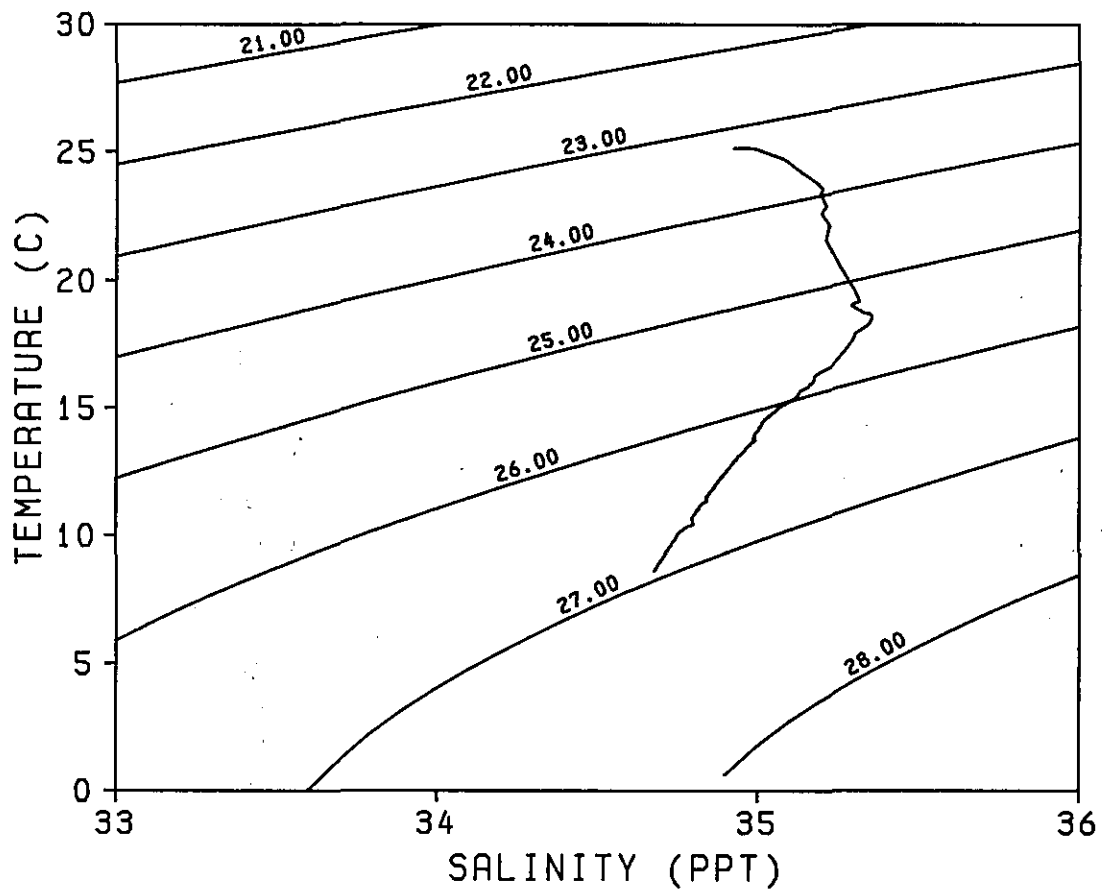
CAST EPA-R2-RS-004 DATE 03 NOV 82 TIME 0414 GMT
 LAT 2 35.8S LONG 195 01.1W WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 200 T SPD 12 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 DRY 23.0 WET 21.1 DEPTH 8

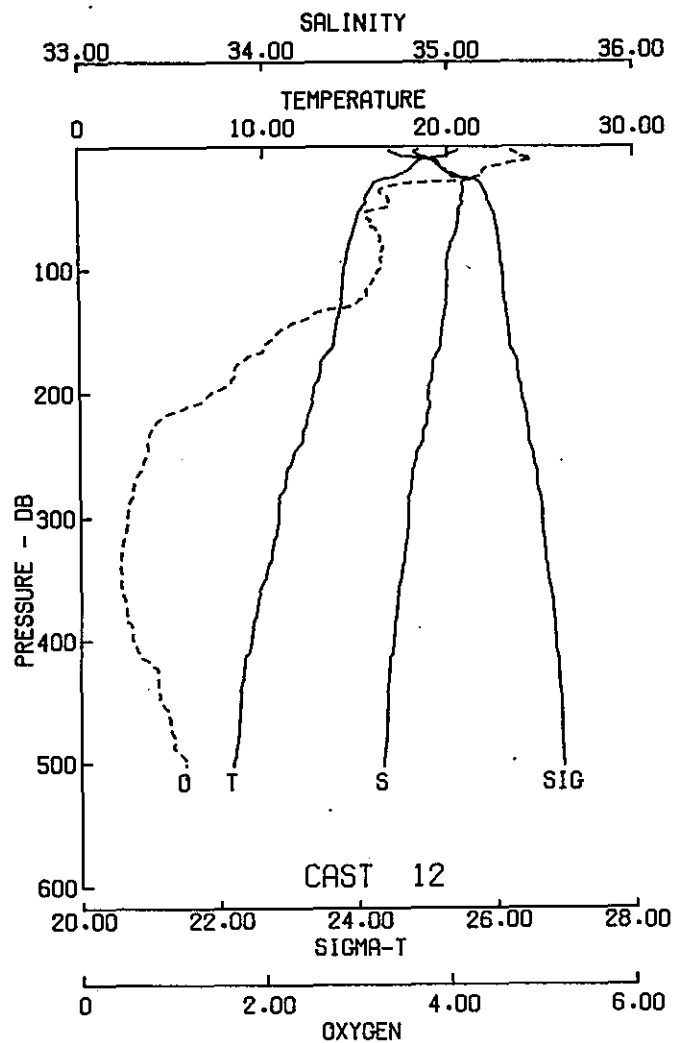


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DB-1)
0.	25.236	34.950	4.13	23.250	0.000
5.	25.249	34.954	4.20	23.247	
10.	25.249	34.954	4.20	23.240	.144
20.	25.216	34.955	4.23	23.259	.093
30.	25.227	34.955	4.22	23.257	.136
40.	25.167	34.954	4.35	23.274	.185
50.	25.164	34.955	4.35	23.275	.232
60.	25.164	34.955	4.32	23.276	.277
70.	25.162	34.956	4.38	23.277	.324
80.	25.162	34.958	4.39	23.276	.371
90.	25.153	34.961	4.36	23.281	.417
100.	24.922	34.939	4.27	23.412	.463
110.	24.607	34.915	3.82	23.293	.506
120.	24.454	34.918	3.82	24.537	.543
130.	17.247	34.919	2.64	25.621	.573
140.	16.300	34.916	2.18	25.818	.596
150.	15.099	34.918	2.12	26.035	.617
160.	14.705	34.949	2.38	26.072	.637
170.	14.470	34.955	2.55	26.124	.657
180.	14.398	34.925	2.39	26.126	.677
190.	14.342	34.910	2.41	26.139	.696
200.	14.316	34.909	2.39	26.144	.715
250.	13.637	34.977	2.28	26.262	.810
300.	13.053	34.940	1.14	26.353	.900
350.	11.917	34.972	.47	26.523	.980
400.	10.785	34.979	.49	26.676	1.050
450.	9.981	34.975	.46	26.783	1.133
500.	8.512	34.955	.47	26.913	1.198
513.	8.574	34.977	.50	26.952	

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CAST EP4-82-RS-025 DATE 03 NOV 82 TIME 0858 GMT
LAT 1 31.1S LONG 094 59.9W

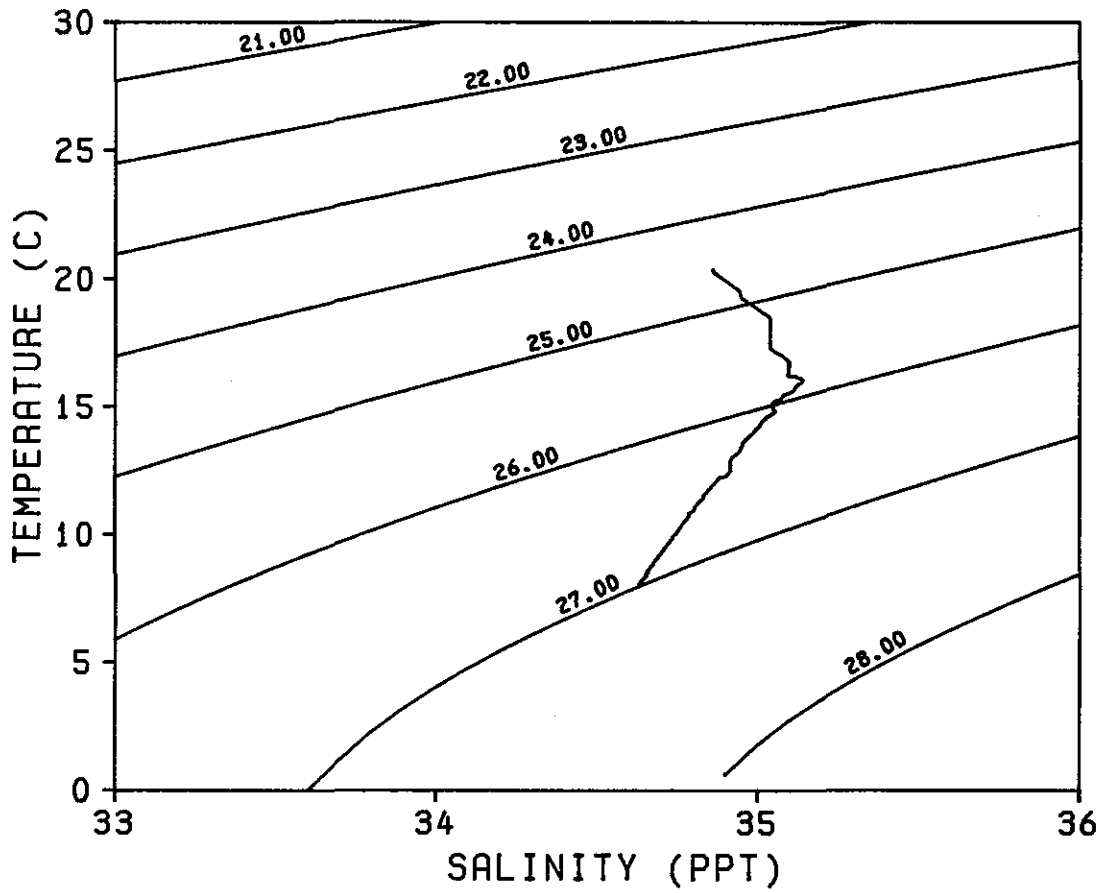




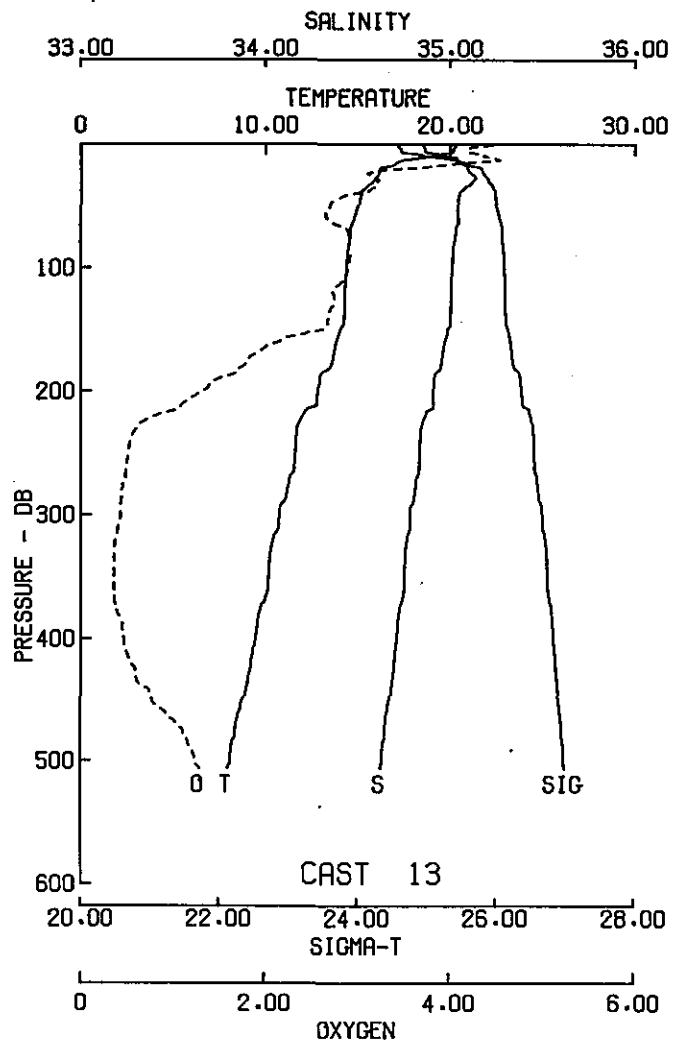
CAST EF6-83-DI-512 DATE 18 NOV 83 TIME 0614 GMT
 LAT 9 29.2S LONG 154 59.7W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 125 T SPD 10 KT VISIBILITY 8
 CLOUD 6 AMOUNT 5 DRY 23.6 WET 20.1 DEPTH 3367 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-M)
0.	21.062	34.827	4.64	24.363	0.000
3.	20.566	34.842	4.69	24.505	
16.	18.847	34.885	4.90	24.689	.734
20.	17.898	34.995	4.68	25.310	.661
30.	16.029	35.083	3.65	25.821	.586
40.	15.651	35.079	3.35	25.905	.107
50.	15.345	35.061	3.32	25.959	.128
66.	15.077	35.053	3.17	26.013	.145
70.	14.876	35.042	3.26	26.049	.169
80.	14.655	35.015	3.31	26.076	.186
90.	14.322	35.009	3.29	26.092	.207
100.	14.073	35.003	3.27	26.121	.227
110.	14.315	35.005	3.14	26.133	.247
120.	14.275	35.004	3.14	26.141	.266
130.	14.135	35.007	2.95	26.165	.285
140.	13.988	35.002	2.46	26.185	.304
150.	13.877	35.005	2.17	26.202	.323
160.	13.786	35.004	2.02	26.216	.341
170.	13.328	35.003	1.66	26.244	.357
180.	13.076	35.003	1.68	26.330	.377
190.	12.943	35.009	1.64	26.351	.394
200.	12.688	35.002	1.44	26.396	.412
250.	11.572	35.021	.72	26.549	.485
300.	10.722	35.077	.50	26.679	.568
350.	9.045	35.073	.44	26.759	.638
400.	8.253	35.094	.57	26.857	.704
450.	8.616	35.058	.87	26.932	.765
500.	8.245	35.038	1.15	26.972	.827
503.	8.243	35.037	1.13	26.972	

CAST EP6-83-DI-013 DATE 18 NOV 83 TIME 0534 GMT
LAT 0 59.0S LONG 095 02.6W

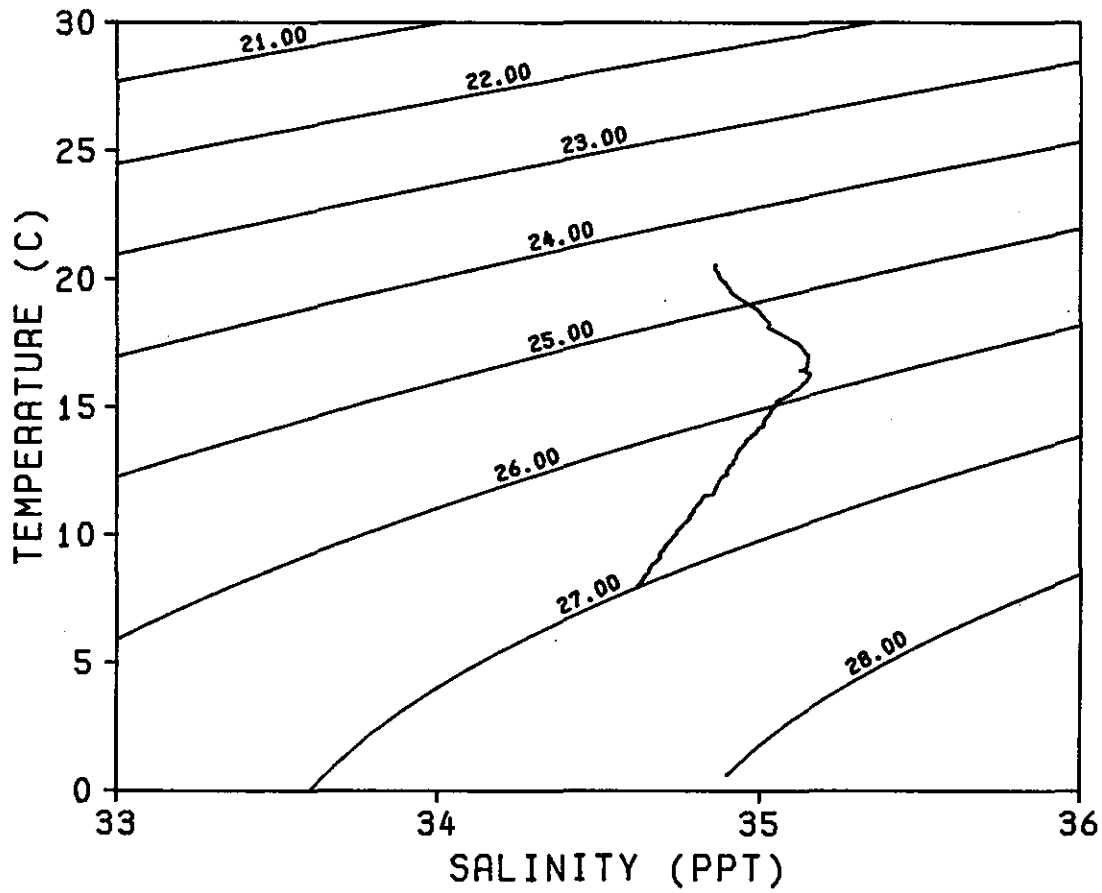


CAST EP6-83-DI-013 DATE 18 NOV 83 TIME 0534 GMT
 LAT 0 59.0S LONG 095 02.6W WEATHER 2 SEA STATE 7
 BAROMETER 12 WIND DIR 120 T SPD 12 KT VISIBILITY 7
 CLOUD 4 AMOUNT 7 DRY 20.8 WET 20.1 DEPTH 3237 M

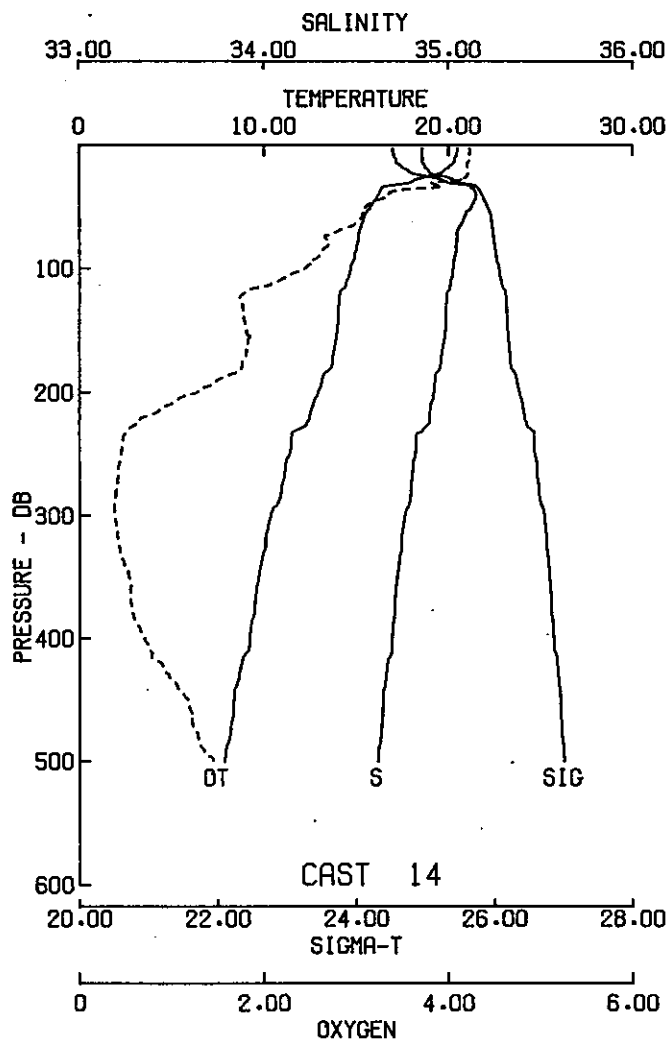


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-P (DYN-M)
0.	20.368	34.855	4.38	24.571	3.000
1.	20.344	34.858	4.45	24.580	
10.	19.085	34.966	4.36	24.699	
20.	16.198	34.891	3.48	25.789	
30.	15.855	34.823	3.33	25.893	
40.	15.198	34.851	3.23	25.984	
50.	15.070	34.847	3.22	25.989	
60.	14.856	34.856	3.27	25.989	
70.	14.641	34.836	3.29	25.985	
80.	14.572	34.826	3.33	25.989	
90.	14.471	34.819	3.35	25.989	
100.	14.420	34.811	3.35	25.989	
110.	14.365	34.811	3.35	25.989	
120.	14.342	34.812	3.35	25.989	
130.	14.328	34.809	3.35	25.989	
140.	14.303	34.808	3.35	25.989	
150.	14.095	34.991	3.35	25.989	
160.	13.864	34.977	3.35	25.989	
170.	13.723	34.964	3.35	25.989	
180.	13.558	34.953	3.35	25.989	
190.	12.967	34.917	3.35	25.989	
200.	12.842	34.913	3.35	25.989	
250.	11.631	34.840	3.35	25.989	
300.	10.767	34.787	3.35	25.989	
350.	10.189	34.755	3.35	25.989	
400.	9.485	34.714	3.35	25.989	
450.	8.818	34.676	3.35	25.989	
500.	8.156	34.635	3.35	25.989	
550.	8.017	34.629	3.35	25.989	

CAST EP6-83-DI-014 DATE 18 NOV 83 TIME 1433 GMT
LAT 1 30.4S LONG 094 59.4W

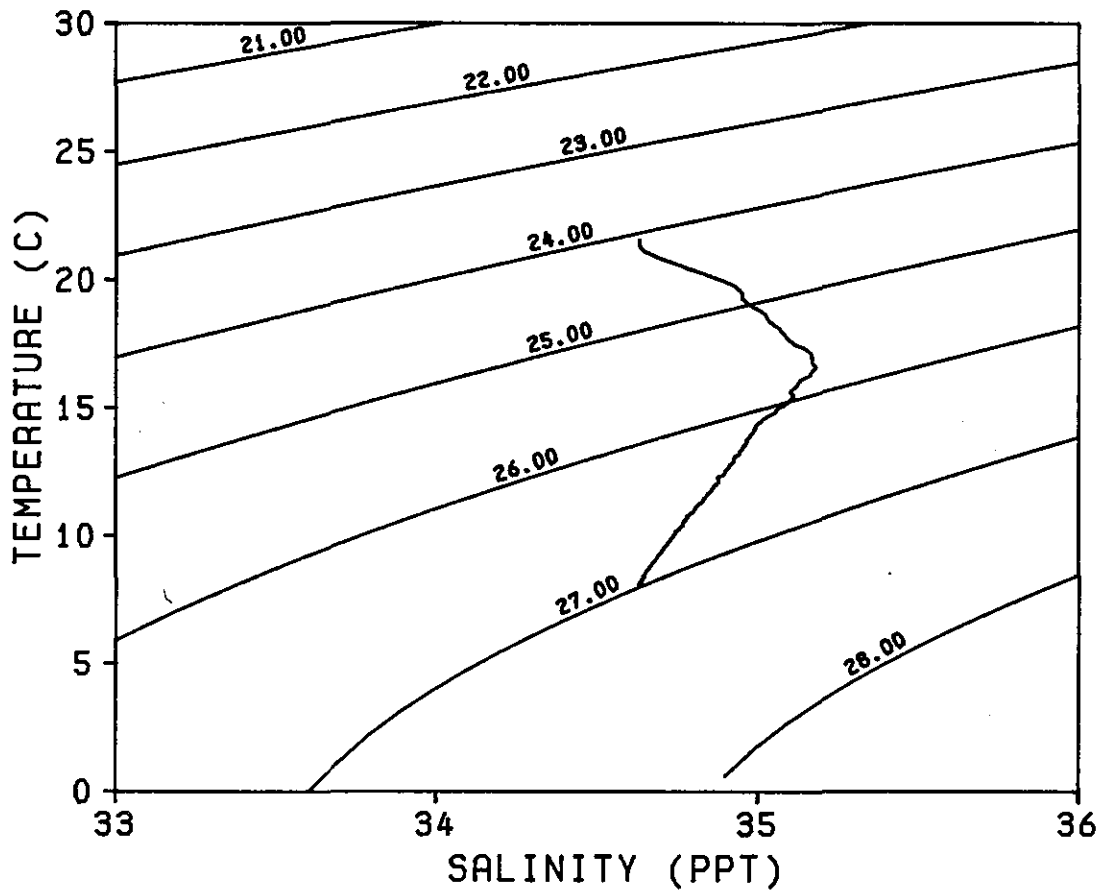


CAST EF6-83-01-014 DATE 18 NOV 83 TIME 1433 GMT
 LAT 1 30.4S LONG 094 59.4W WEATHER 1 SEA STATE 7
 BAROMETER 13 WIND DIP 135 T SPD 05 KT VISIBILITY 9
 CLOUD 8 AMOUNT 7 DRY 22.2 WET 21.1 DEPTH 3255 M

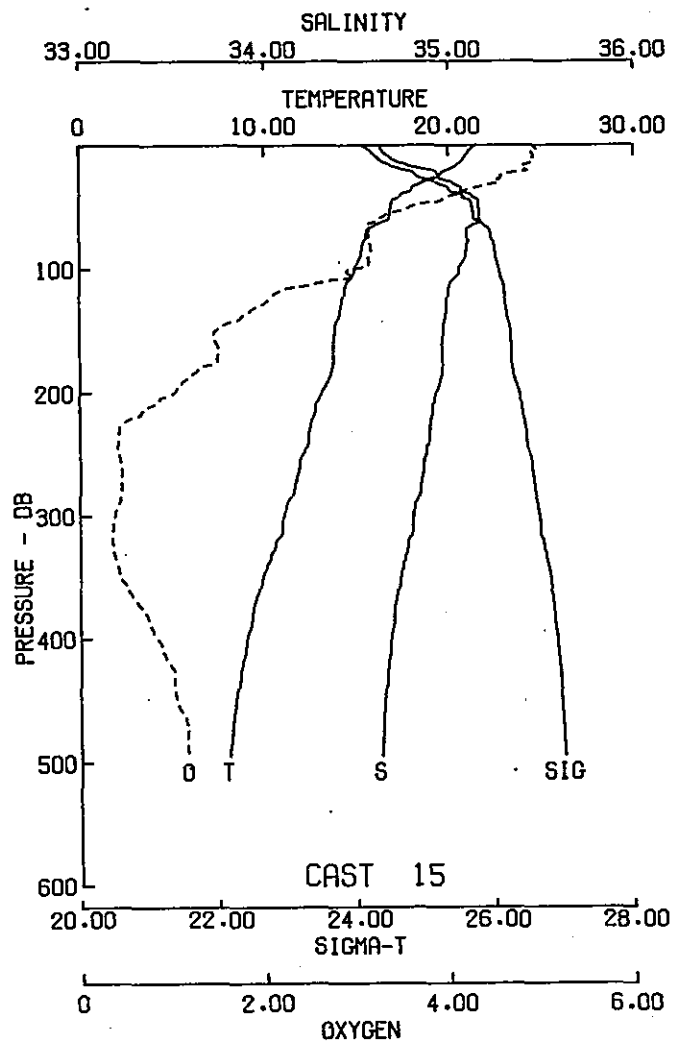


PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	20.578	34.862	4.24	24.52	0.000
3.	20.521	34.862	4.23	24.53	
10.	20.418	34.859	4.23	24.56	.074
20.	19.833	34.894	4.22	24.74	.067
30.	18.068	35.025	3.91	25.29	.097
40.	16.288	35.152	3.36	25.51	.120
50.	15.81	35.127	3.12	25.55	.143
60.	15.43	35.085	3.05	25.58	.163
70.	15.205	35.051	2.81	25.63	.184
80.	15.096	35.346	2.70	25.63	.204
90.	14.945	35.038	2.61	25.63	.224
100.	14.731	35.028	2.45	25.67	.244
110.	14.53	35.013	2.18	25.10	.264
120.	14.16	34.994	1.80	25.16	.284
130.	14.08	34.991	1.78	25.18	.304
140.	14.05	34.990	1.79	25.18	.321
150.	13.99	34.985	1.82	25.19	.340
160.	13.88	34.975	1.83	25.20	.359
170.	13.75	34.964	1.81	25.22	.377
180.	13.64	34.955	1.76	25.24	.395
190.	13.16	34.928	1.51	25.32	.413
200.	12.93	34.922	1.29	25.36	.431
250.	11.39	34.822	.46	25.58	.510
300.	10.37	34.764	.38	25.72	.589
350.	9.73	34.724	.54	25.80	.657
400.	9.24	34.696	.71	25.86	.718
450.	8.38	34.646	1.18	25.95	.780
500.	7.88	34.619	1.45	27.01	.836
501.	7.88	34.618	1.44	27.01	

CAST EP6-83-DI-015 DATE 18 NOV 83 TIME 1904 GMT
LAT 2 00.5S LONG 094 59.1W

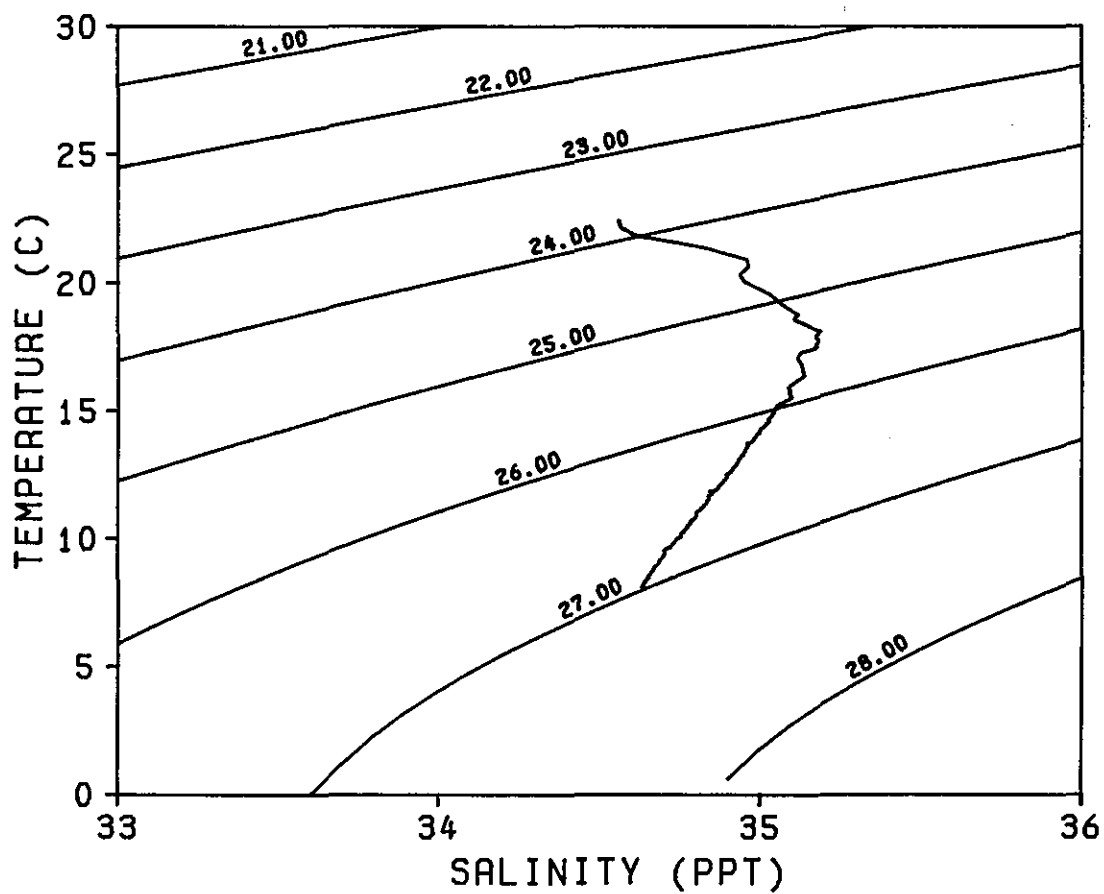


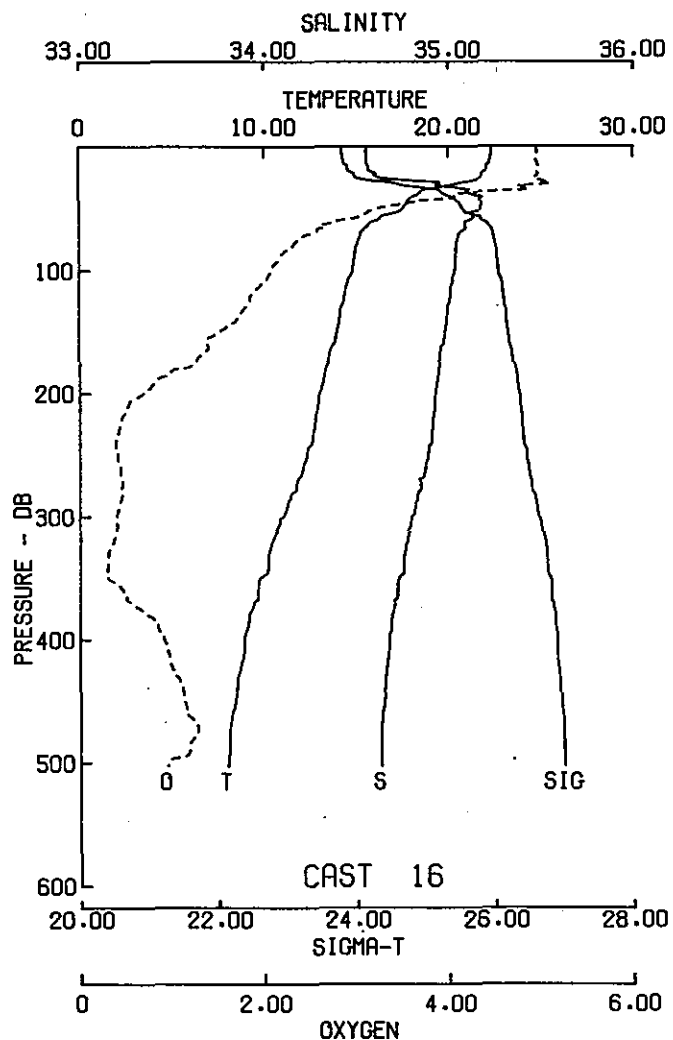
CAST EP6-83-DI-015 DATE 18 NOV 83 TIME 1904 GMT
 LAT 2 00.5S LONG 04 50.1W WEATHER 1 SEA STATE 2
 BAROMETER 10 WIND DIR 150 T SPD 12 KT VISIBILITY 8
 CLOUD 3 AMOUNT 2 DRY 23.9 WET 22.3 DEPTH 3660 M



PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-P (DYN-F)
0.	21.529	34.630	4.89	24.386	0.060
10.	20.867	34.685	4.93	24.308	.037
20.	20.027	34.873	4.82	24.575	.072
30.	18.679	35.018	4.56	25.134	.103
40.	17.425	35.116	4.12	25.518	.131
50.	16.905	35.167	3.61	25.682	.154
60.	16.800	35.166	3.24	25.705	.177
70.	15.592	35.101	3.13	25.935	.199
80.	15.355	35.101	3.15	25.989	.220
90.	15.234	35.091	3.13	26.008	.244
100.	14.888	35.053	3.03	26.058	.267
110.	14.547	35.016	2.72	26.108	.288
120.	14.325	34.996	2.11	26.132	.299
130.	14.180	34.990	1.94	26.159	.316
140.	14.018	34.984	1.75	26.186	.337
150.	13.805	34.971	1.48	26.223	.356
160.	13.720	34.965	1.48	26.233	.374
170.	13.715	34.961	1.49	26.233	.394
180.	13.655	34.965	1.30	26.250	.411
190.	13.433	34.952	1.13	26.285	.429
200.	13.072	34.927	1.02	26.340	.447
250.	12.833	34.877	.42	26.500	.531
300.	11.059	34.806	.38	26.636	.608
350.	9.858	34.733	.44	26.786	.679
400.	8.988	34.683	.83	26.891	.744
450.	8.377	34.645	1.05	26.957	.805
495.	8.042	34.627	1.18	26.994	

CAST EP6-83-DI-016 DATE 18 NOV 83 TIME 2359 GMT
LAT 2 30.5S LONG 095 01.3W

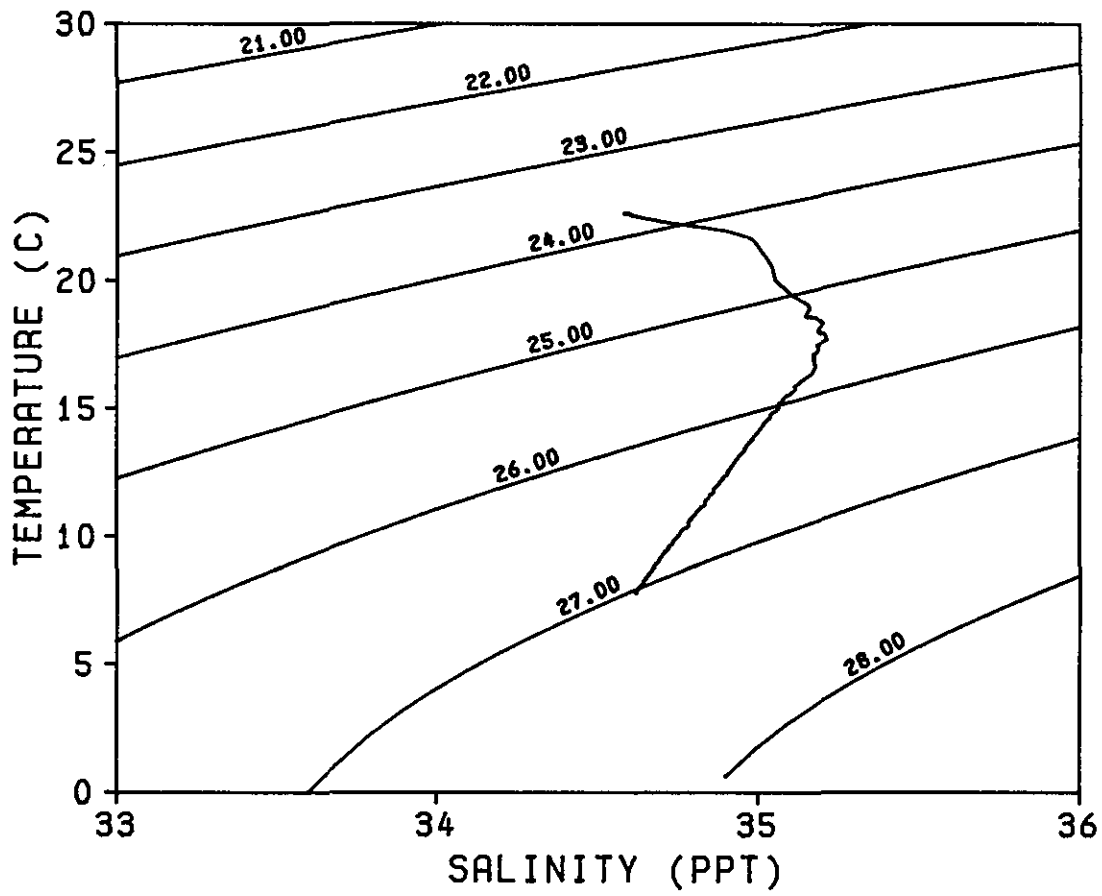




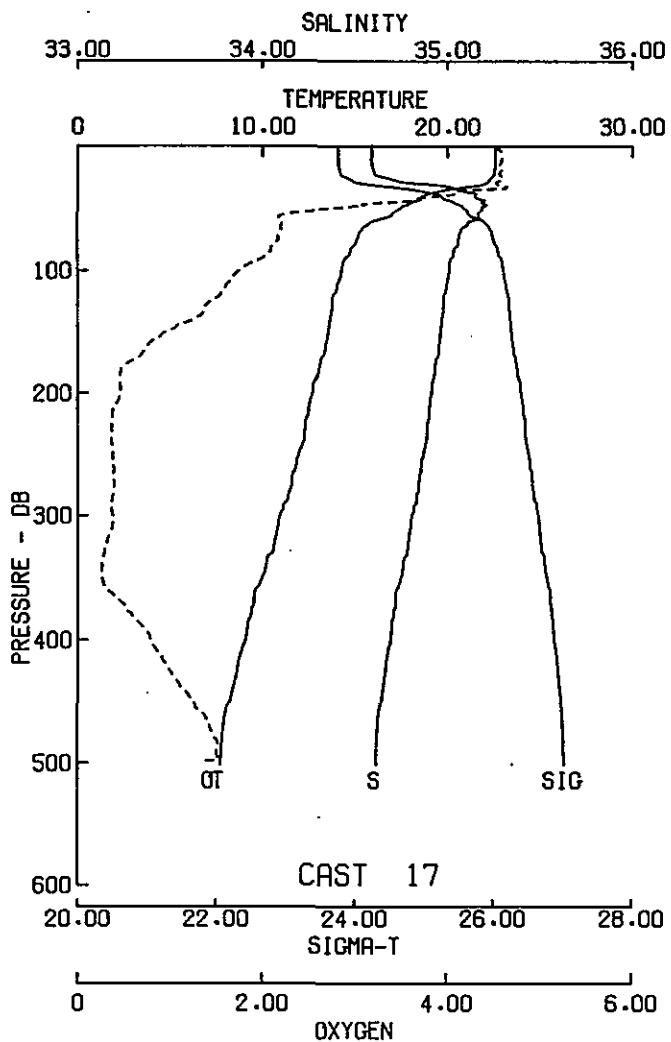
CAST EP6-83-DI-016 DATE 18 NOV 83 TIME 2359 GMT
 LAT 2 30.5S LONG 095 01.3W WEATHER 1 SEA STATE 9
 BAROMETER 10 WIND DIR 153 T SPD 10 KT VISIBILITY 9
 CLOUD 8 AMOUNT 4 DRY 22.2 WET 21.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA- ρ (σ_{θ} -M)
0.	22.381	34.559	4.95	27.794	0.800
10.	22.292	34.559	4.96	27.815	.841
20.	22.062	34.573	4.98	27.895	.882
30.	20.591	34.962	5.11	24.593	.127
40.	18.243	34.161	4.07	25.351	.140
50.	17.531	34.168	3.26	25.532	.174
60.	16.228	34.111	2.81	25.820	.198
70.	15.241	34.058	2.54	25.980	.219
80.	15.017	34.047	2.32	25.921	.240
90.	14.928	34.040	2.17	26.037	.259
100.	14.828	34.037	2.09	26.055	.279
110.	14.541	34.027	1.99	26.116	.299
120.	14.403	34.015	1.87	26.130	.318
130.	14.192	34.008	1.81	26.163	.337
140.	14.111	34.000	1.71	26.176	.356
150.	13.988	34.000	1.53	26.196	.375
160.	13.834	34.000	1.39	26.223	.394
170.	13.556	34.000	1.31	26.262	.413
180.	13.227	34.000	1.16	26.302	.432
190.	12.888	34.000	.82	26.325	.441
200.	12.511	34.000	.69	26.354	.450
250.	12.325	34.000	.42	26.459	.551
300.	11.553	34.000	.41	26.632	.622
350.	9.770	34.027	.30	26.797	.699
400.	8.896	34.076	.91	26.900	.762
450.	8.376	34.046	1.13	26.659	.824
500.	8.005	34.031	.97	27.004	.882
503.	7.994	34.032	.95	27.006	

CAST EP6-83-DI-017 DATE 19 NOV 83 TIME 1015 GMT
LAT 2 59.5S LONG 095 00.6W

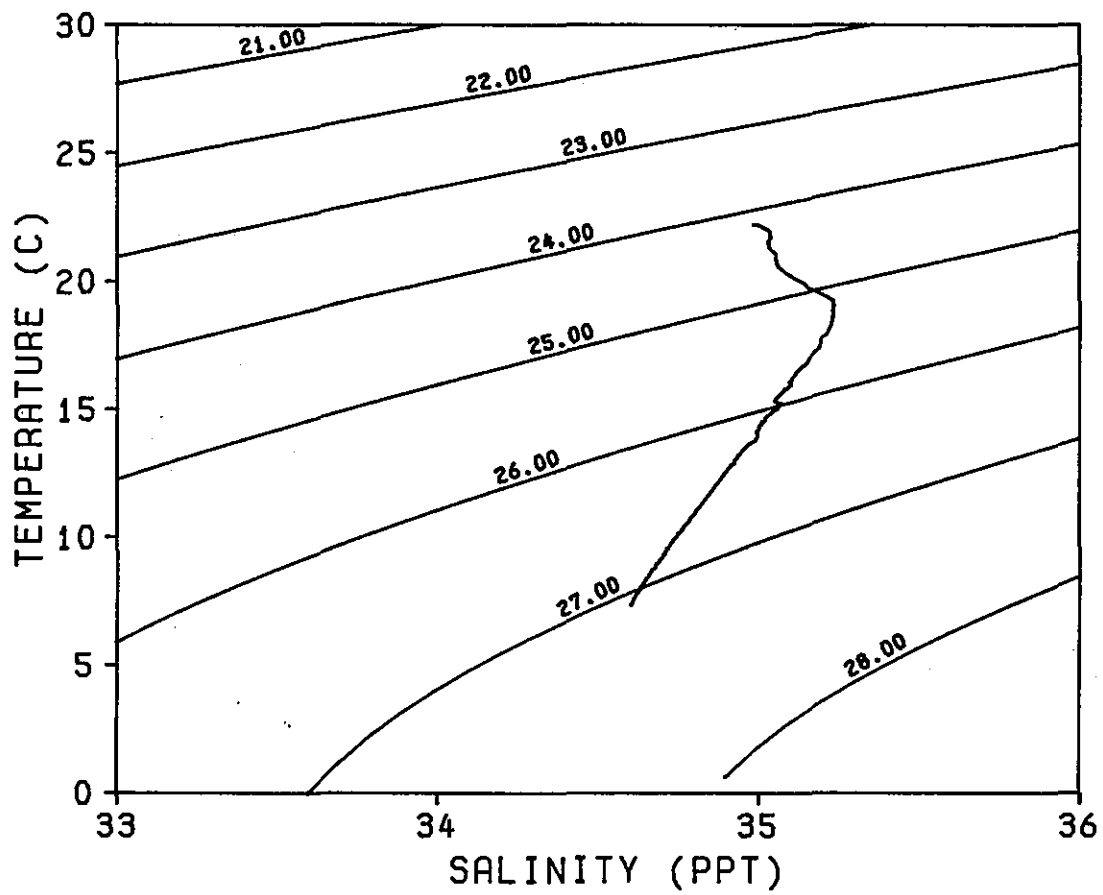


CAST EP6-R3-DI-317 DATE 19 NOV 83 TIME 1915 GMT
 LAT 25.55 LONG 095 00.6W WEATHER 2 SEA STATE 3
 BAROMETER 10 WIND 095 145 T SPD 08 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 22.2 WET 21.5 DEPTH M

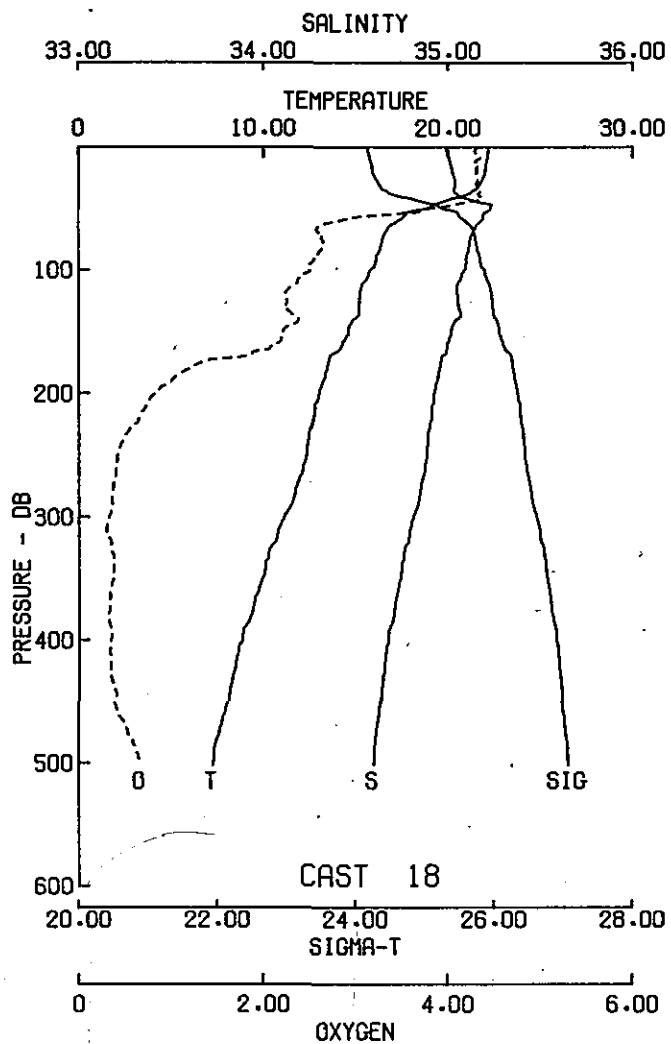


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-M)
0.	22.602	34.590	4.55	23.755	0.000
10.	22.594	34.592	4.59	23.762	.042
20.	22.585	34.603	4.58	23.786	.084
30.	22.085	34.803	4.53	23.406	.124
40.	18.625	35.146	3.95	22.245	.185
50.	17.473	35.181	3.81	22.556	.183
60.	16.120	35.140	3.21	22.844	.205
70.	15.261	35.071	2.20	23.986	.222
80.	14.596	35.061	2.12	24.643	.245
90.	14.526	35.027	2.02	25.113	.265
100.	14.304	35.012	1.77	25.149	.285
110.	14.122	35.002	1.64	25.181	.304
120.	13.869	34.984	1.55	25.227	.323
130.	13.793	34.981	1.37	25.233	.341
140.	13.687	34.974	1.25	25.249	.358
150.	13.584	34.966	.97	25.265	.375
160.	13.450	34.959	.78	25.287	.392
170.	13.287	34.953	.68	25.316	.413
180.	13.073	34.937	.47	25.347	.431
190.	12.838	34.925	.46	25.385	.448
200.	12.725	34.917	.47	25.401	.465
210.	11.977	34.873	.39	25.513	.547
220.	16.949	34.812	.38	25.653	.624
230.	10.000	34.750	.27	25.776	.695
240.	9.688	34.699	.79	25.883	.755
250.	8.324	34.643	1.25	25.979	.820
260.	7.744	34.626	1.40	26.033	.877
270.	7.727	34.618	1.44	27.034	.937

CAST EP6-83-DI-018 DATE 22 NOV 83 TIME 1058 GMT
LAT 2 59.7S LONG 108 00.0W



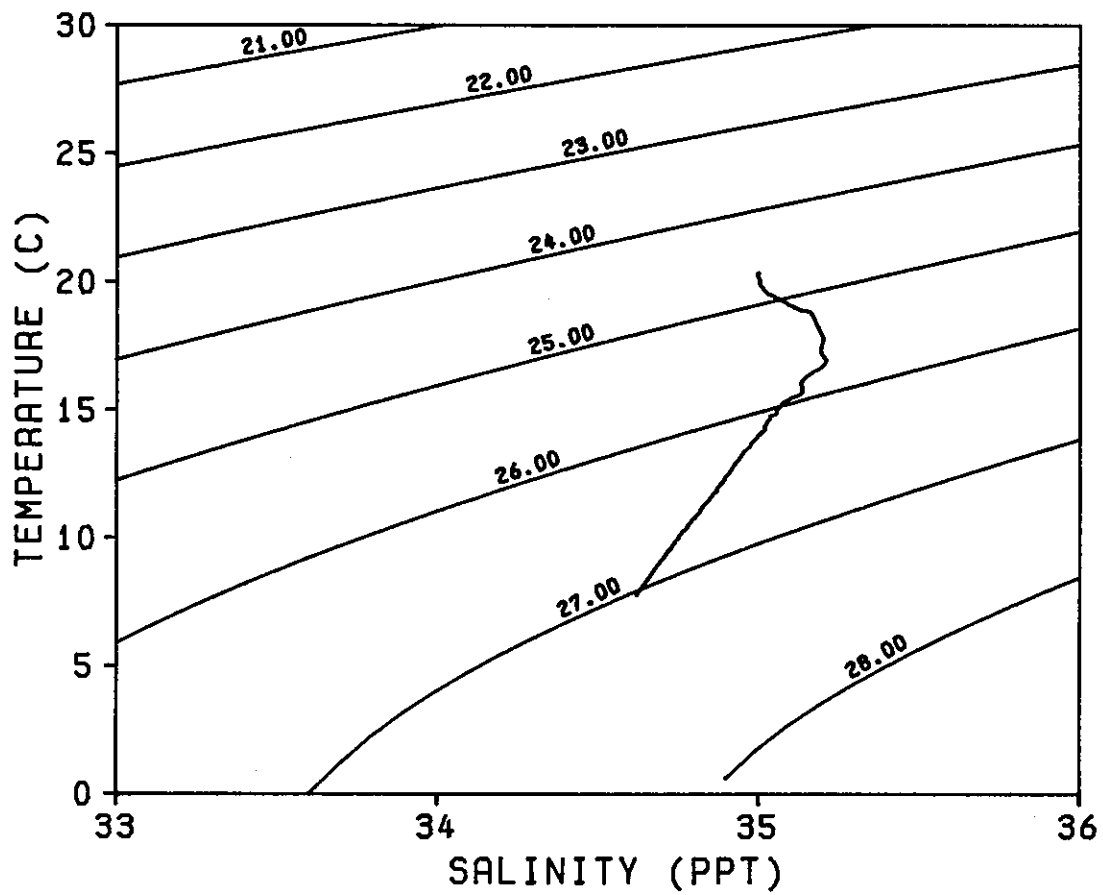
395



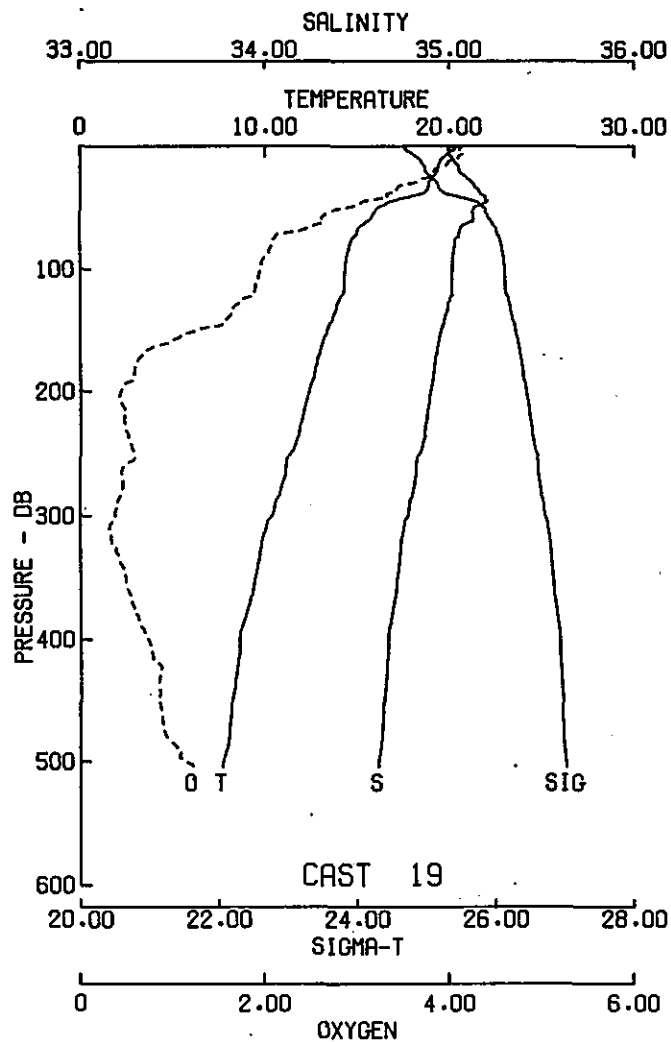
CAST EP6-83-DI-318 DATE 22 NOV 83 TIME 1058 GMT
 LAT 2 59.7S LONG 108 00.0W WEATHER 4 SEA STATE 3
 BAROMETER 11 WIND DIR 070 T SPD 06 KT VISIBILITY 7
 CLOUD 7 AMOUNT 2 DRY 21.8 WET 21.2 DEPTH 3537 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-R (DYN-K)
0.	22.189	34.986	4.30	24.172	0.000
10.	22.122	35.009	4.34	24.208	.077
20.	22.015	35.025	4.31	24.258	.111
30.	21.736	35.038	4.30	24.338	.146
40.	20.829	35.355	4.34	24.600	.170
50.	18.691	35.230	3.84	25.242	.200
60.	17.531	35.187	2.85	25.595	.225
70.	16.552	35.135	2.63	25.717	.244
80.	16.431	35.120	2.63	25.757	.259
90.	16.157	35.102	2.59	25.807	.271
100.	15.865	35.085	2.51	25.868	.279
110.	15.470	35.062	2.38	25.932	.284
120.	15.257	35.050	2.24	25.975	.288
130.	15.200	35.050	2.27	25.986	.290
140.	14.950	35.055	2.34	26.041	.290
150.	14.634	35.021	2.22	26.085	.290
160.	14.324	34.999	2.15	26.135	.290
170.	13.934	34.973	1.82	26.260	.290
180.	13.472	34.959	1.21	26.282	.290
190.	13.222	34.945	1.01	26.315	.290
200.	13.034	34.929	.85	26.348	.290
250.	12.354	34.889	.43	26.452	.290
300.	11.447	34.814	.33	26.622	.290
350.	9.586	34.748	.38	26.780	.290
400.	8.682	34.680	.35	26.906	.290
450.	8.115	34.633	.41	26.993	.290
500.	7.523	34.603	.68	27.081	.290
502.	7.311	34.602	.68	27.082	.290

CAST EP6-83-DI-019 DATE 22 NOV 83 TIME 1802 GMT
LAT 2 02.1S LONG 107 59.5W

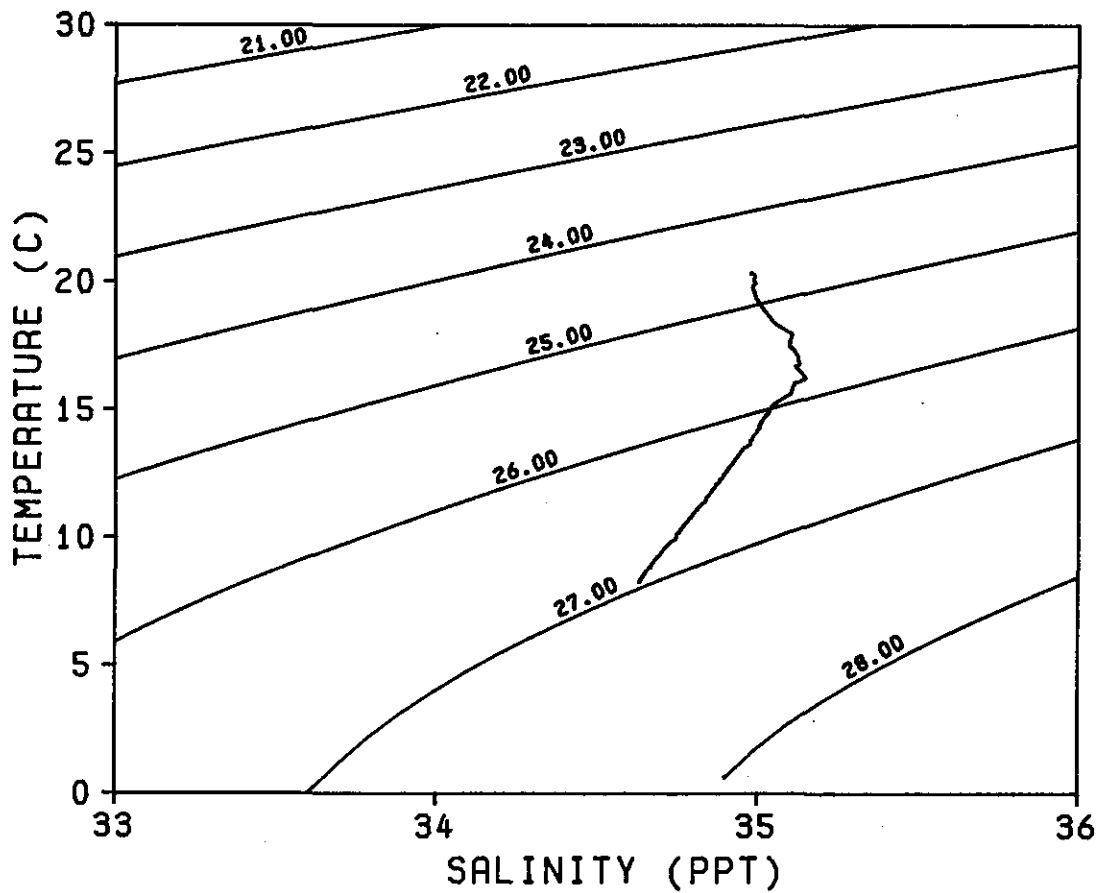


CAST EP6-R3-DI-019 DATE 22 NOV 83 TIME 1832 GMT
 LAT 2 02.1S LONG 107 59.5W WEATHER 1 SEA STATE 2
 BAROMETER 15 WIND DIR 000 T SPD 00 KT VISIBILITY P
 CLOUD 6 AMOUNT 6 DRY 21.5 WET 20.5 DEPTH 3721 M

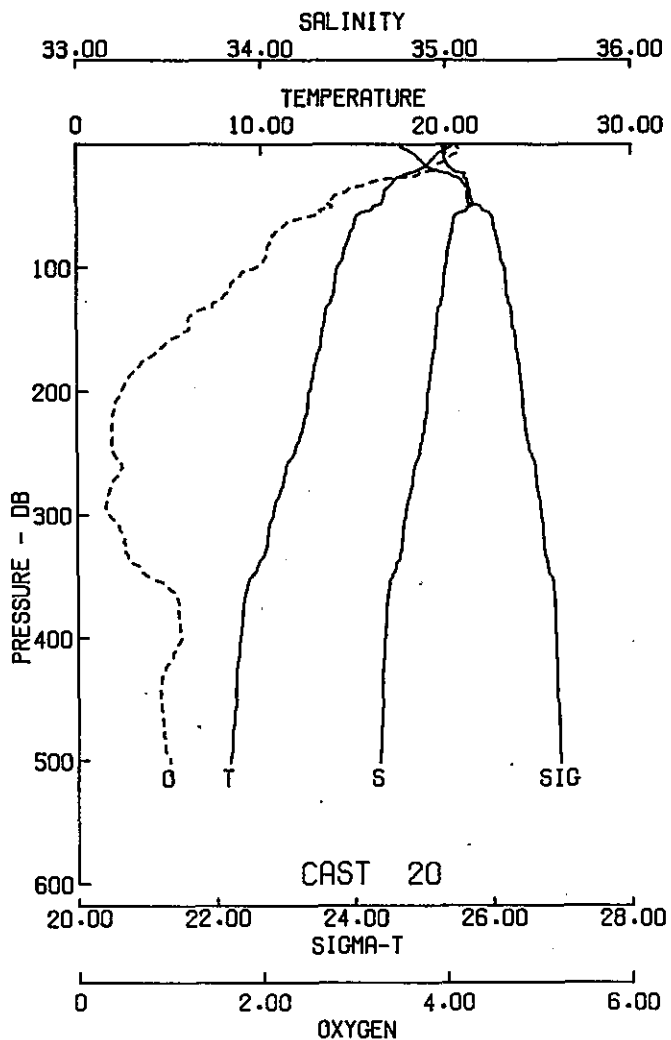


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-M)
0.	20.333	34.996	4.16	24.688	0.000
10.	19.609	34.919	4.17	24.739	0.071
20.	19.361	34.855	3.84	24.808	0.069
30.	18.899	34.812	3.63	25.164	0.391
40.	18.247	34.781	3.42	25.366	0.119
50.	16.151	34.733	2.92	25.832	0.142
60.	15.745	34.705	2.64	25.933	0.164
70.	15.044	34.658	2.35	26.054	0.184
80.	14.652	34.633	2.08	26.100	0.204
90.	14.478	34.625	1.82	26.130	0.224
100.	14.386	34.626	1.97	26.137	0.243
110.	14.342	34.618	1.93	26.146	0.262
120.	14.292	34.617	1.89	26.156	0.281
130.	13.926	34.609	1.69	26.215	0.300
140.	13.715	34.607	1.61	26.244	0.319
150.	13.409	34.605	1.27	26.296	0.338
160.	13.167	34.604	0.97	26.333	0.354
170.	12.994	34.603	0.68	26.359	0.371
180.	12.782	34.601	0.60	26.392	0.388
190.	12.641	34.600	0.58	26.416	0.405
200.	12.414	34.600	0.55	26.444	0.421
250.	11.388	34.600	0.59	26.599	0.506
300.	10.418	34.600	0.58	26.720	0.573
350.	9.481	34.600	0.56	26.840	0.640
400.	8.636	34.600	0.73	26.936	0.702
450.	8.228	34.600	0.86	26.982	0.762
500.	7.776	34.600	1.12	27.022	0.819
550.	7.740	34.619	1.22	27.033	

CAST EP6-83-DI-020 DATE 22 NOV 83 TIME 2314 GMT
LAT 1 30.4S LONG 108 00.5W

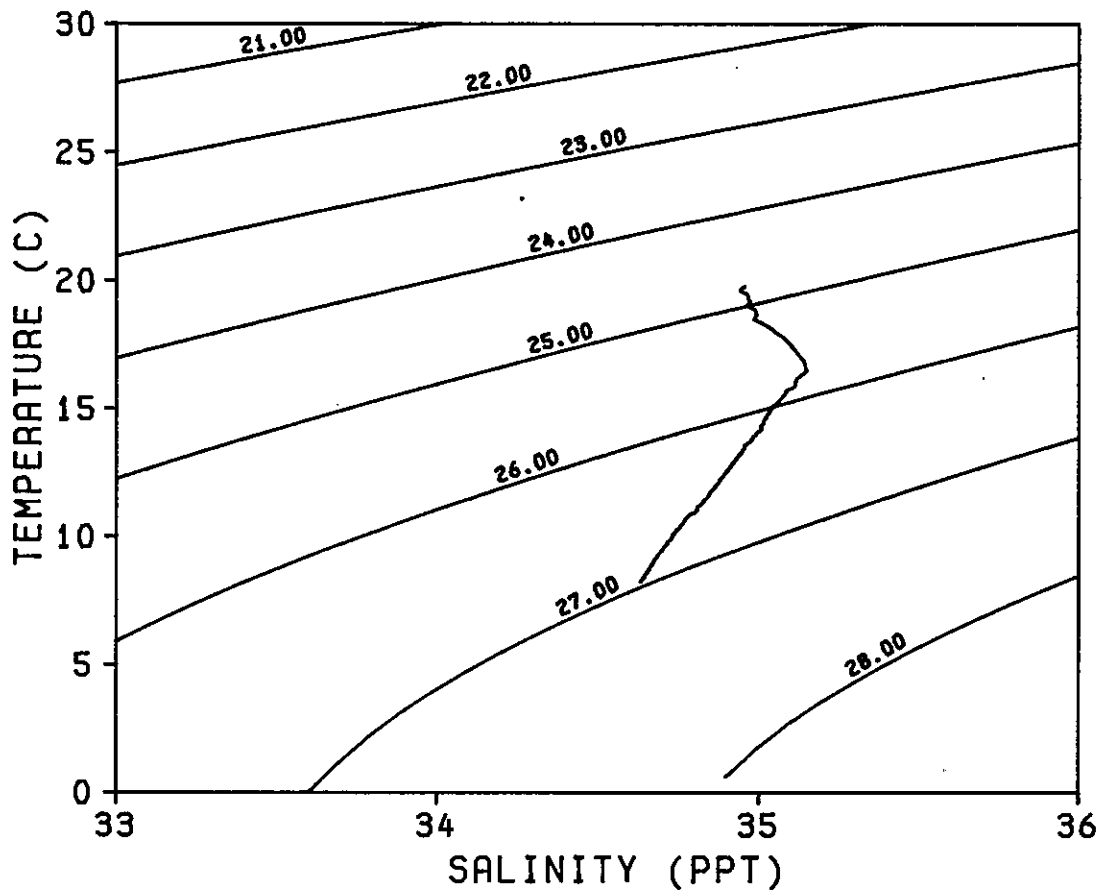


CAST EP6-B3-DI-020 DATE 22 NOV 83 TIME 2314 GMT
 LAT 1 33.4S LONG 108 00.5W WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 140 T SPD 36 KT VISIBILITY 7
 CLOUD 7 AMOUNT 6 DRY 21.0 WET 20.2 DEPTH M

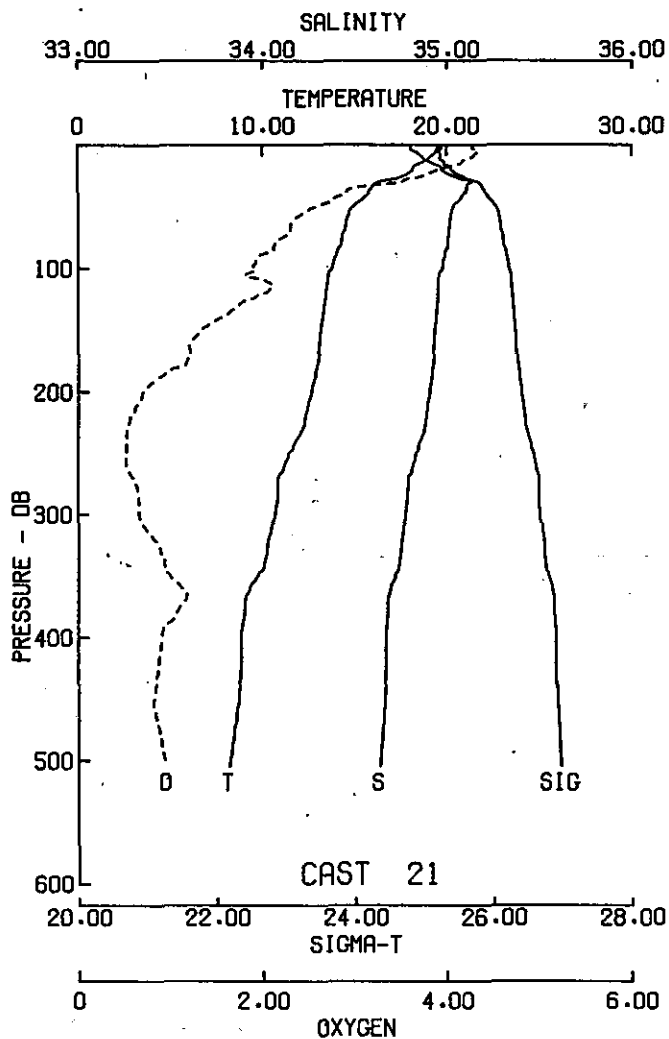


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	20.312	34.978	4.13	24.680	0.000
10.	19.438	34.991	4.06	24.613	.032
20.	18.684	34.933	3.98	25.143	.061
30.	17.195	34.917	3.28	25.574	.087
40.	16.687	34.915	2.87	25.693	.111
50.	16.227	34.915	2.76	25.828	.134
60.	15.092	34.941	2.45	26.000	.155
70.	14.881	34.933	2.17	26.040	.175
80.	14.632	34.918	2.00	26.083	.195
90.	14.423	34.907	2.04	26.119	.214
100.	14.108	34.997	1.94	26.179	.234
110.	14.000	34.989	1.71	26.196	.252
120.	13.922	34.985	1.64	26.205	.271
130.	13.696	34.975	1.47	26.246	.289
140.	13.442	34.954	1.21	26.285	.307
150.	13.285	34.946	1.20	26.310	.325
160.	13.174	34.938	.97	26.327	.342
170.	12.985	34.927	.83	26.356	.361
180.	12.819	34.917	.66	26.382	.377
190.	12.715	34.910	.54	26.399	.394
200.	12.546	34.902	.48	26.425	.411
250.	11.705	34.853	.39	26.548	.492
300.	10.578	34.779	.54	26.697	.566
350.	9.402	34.703	.78	26.840	.634
400.	8.768	34.662	1.12	26.910	.697
450.	8.548	34.651	.89	26.936	.758
500.	8.228	34.636	1.00	26.973	.817
502.	8.216	34.634	.99	26.974	

CAST EP6-83-DI-021 DATE 23 NOV 83 TIME 0356 GMT
LAT 1 01.9S LONG 108 02.0W



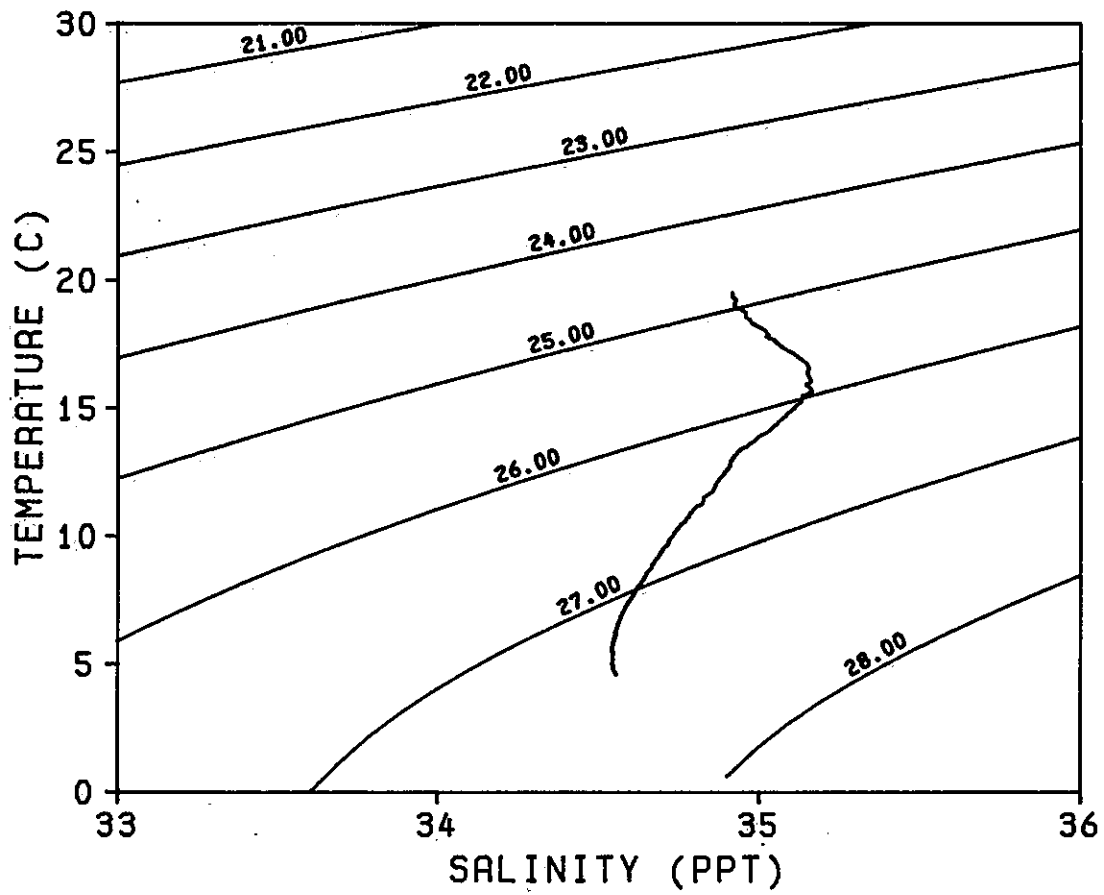
CAST EP6-83-DI-G21 DATE 23 NOV 83 TIME 0356 GMT
 LAT 1 31.9S LONG 108 02.0W WEATHER 4 SEA STATE 3
 BAROMETER 14 WIND DIR 000 T SPD 00 KT VISIBILITY 7
 CLOUD 9 AMOUNT X DRY 20.0 WET 19.7 DEPTH M



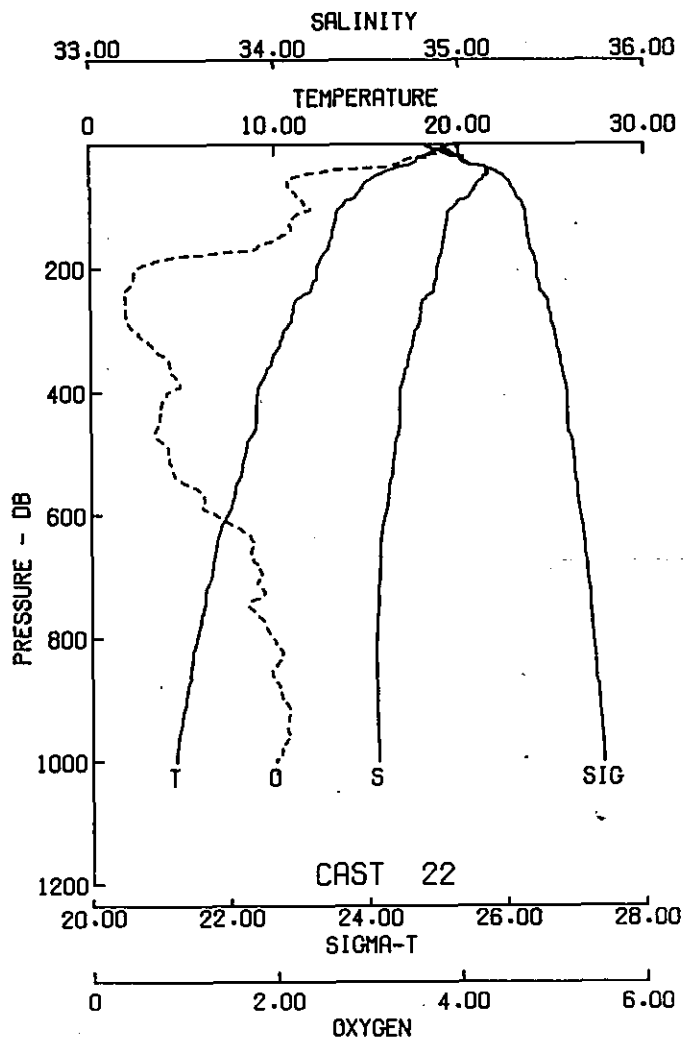
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	19.748	34.952	4.29	24.809	0.000
10.	19.112	34.974	4.28	24.889	.031
20.	18.191	35.025	3.83	25.261	.259
30.	16.449	35.147	3.53	25.773	.085
40.	15.736	35.092	3.89	25.895	.107
50.	14.963	35.035	3.60	26.024	.127
60.	14.580	35.018	3.36	26.094	.147
70.	14.447	35.011	3.31	26.118	.166
80.	14.274	35.004	2.14	26.144	.185
90.	14.004	34.989	1.97	26.195	.204
100.	13.805	34.976	1.92	26.222	.223
110.	13.547	34.955	2.03	26.264	.241
120.	13.446	34.952	2.04	26.282	.258
130.	13.367	34.949	1.75	26.292	.276
140.	13.279	34.944	1.56	26.310	.294
150.	13.181	34.938	1.35	26.326	.311
160.	13.114	34.934	1.24	26.346	.329
170.	13.053	34.931	1.23	26.346	.346
180.	12.934	34.922	1.11	26.363	.363
190.	12.808	34.916	.86	26.384	.381
200.	12.653	34.907	.73	26.400	.397
250.	11.435	34.831	.52	26.503	.478
300.	10.695	34.776	.66	26.583	.552
350.	9.738	34.717	1.00	26.794	.622
400.	8.851	34.660	.91	26.902	.685
450.	8.687	34.661	.82	26.933	.746
500.	8.228	34.638	.94	26.978	.807
565.	8.190	34.635	.97	26.978	

401

CAST EP6-83-DI-022 DATE 23 NOV 83 TIME 0859 GMT
LAT 0 34.4S LONG 108 01.7W



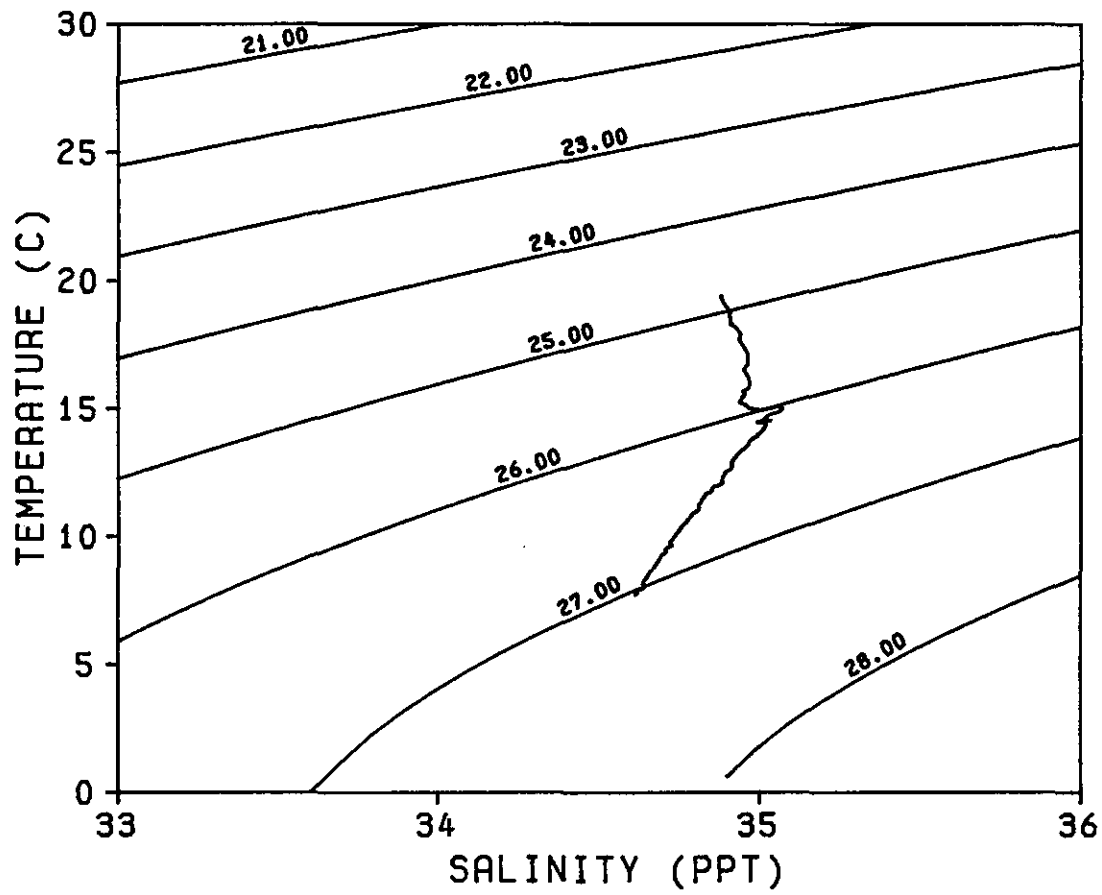
CAST EP6-83-DI-022 DATE 23 NOV 83 TIME 1859 GMT
 LAT 0 34.45S LONG 108 01.7W WEATHER 2 SEA STATE 0
 BAROMETER 12 WIND DIR 090 T SPD 00 KT VISIBILITY 4
 CLOUD 7 AMOUNT 8 DRY 19.6 WFT 19.3 DEPTH 3600 M



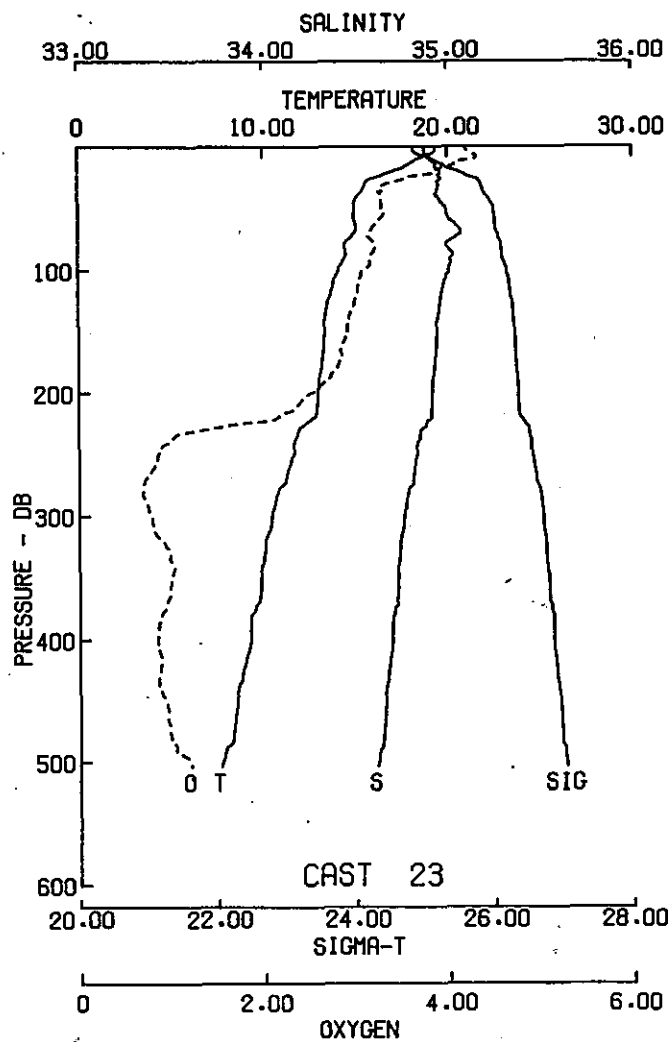
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN/K)
0.	19.475	34.914	3.97	24.850	0.800
10.	18.777	34.951	3.91	25.058	.830
20.	18.065	35.013	3.70	25.283	.859
30.	17.610	35.050	3.35	25.423	.888
40.	16.494	35.155	2.92	25.769	.100
50.	15.632	35.183	2.32	25.976	.131
60.	15.081	35.110	2.26	26.058	.141
70.	14.814	35.088	2.17	26.098	.177
80.	14.503	35.065	2.22	26.147	.189
90.	14.155	35.037	2.27	26.199	.200
100.	13.707	34.984	2.34	26.253	.200
110.	13.390	34.942	2.30	26.286	.204
120.	13.020	34.936	2.26	26.294	.205
130.	12.592	34.930	2.26	26.305	.205
140.	12.157	34.925	2.26	26.320	.205
150.	11.715	34.921	2.26	26.326	.205
160.	11.268	34.914	1.91	26.347	.205
170.	10.876	34.910	1.79	26.365	.205
180.	10.456	34.899	1.07	26.411	.205
190.	10.044	34.891	.69	26.436	.205
200.	9.631	34.882	.52	26.455	.205
250.	11.233	34.823	.39	26.613	.474
300.	10.477	34.758	.46	26.699	.554
350.	9.805	34.719	.85	26.784	.630
400.	9.055	34.678	.85	26.877	.687
450.	8.392	34.673	.75	26.888	.750
500.	8.444	34.641	.83	26.969	.811
550.	7.895	34.617	1.02	27.015	.877
600.	7.411	34.594	1.33	27.161	.927
650.	6.795	34.567	1.75	27.126	.980
700.	6.495	34.559	1.85	27.160	1.030
750.	6.104	34.552	1.78	27.206	1.081
800.	5.727	34.545	1.96	27.247	1.125
850.	5.408	34.545	1.97	27.287	1.174
900.	5.075	34.544	2.08	27.325	1.216
950.	4.773	34.546	2.11	27.363	1.261
1000.	4.578	34.554	1.99	27.391	1.301
1050.	4.578	34.553	2.00	27.590	

403

CAST EP6-83-DI-023 DATE 24 NOV 83 TIME 0419 GMT
LAT 0 01.5S LONG 107 55.9W



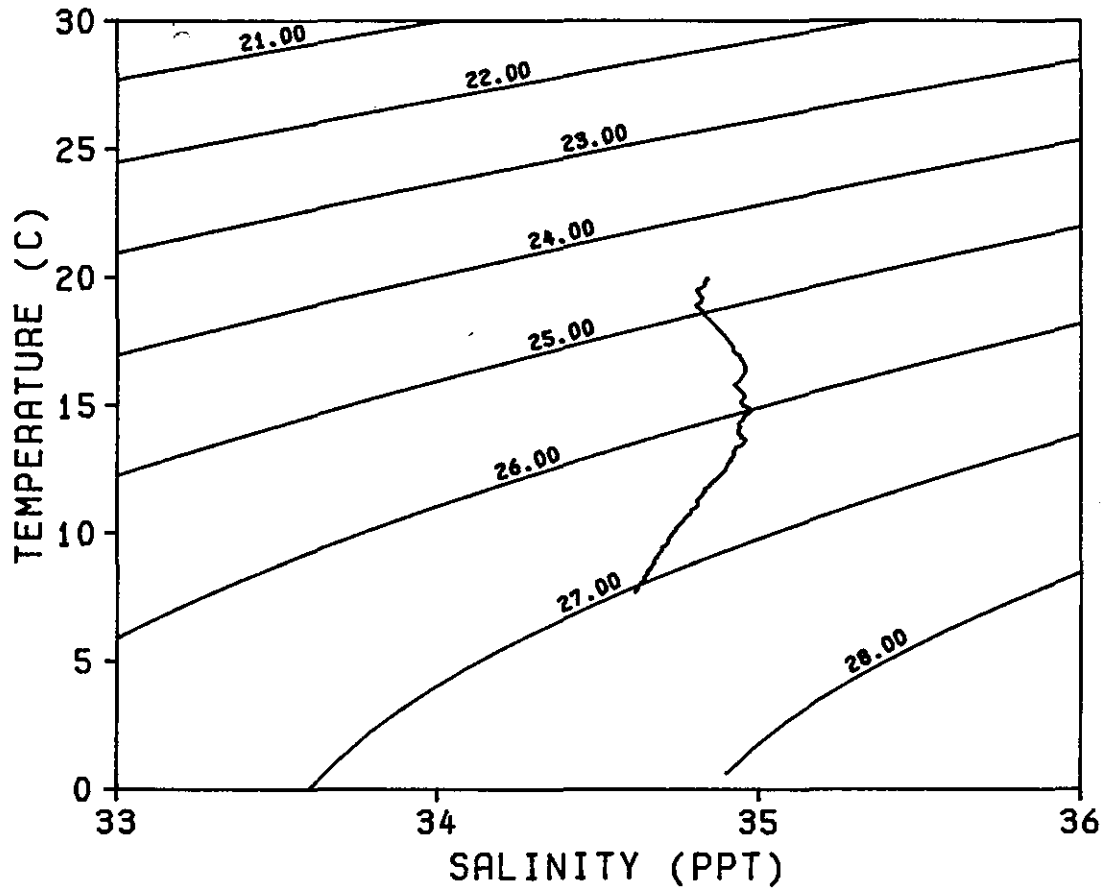
CAST FP6-93-DI-023 DATE 24 NOV 83 TIME 0410 GMT
 LAT 0 01.55 LONG 107 55.9W WEATHER 5 SEA STATE 7
 BAROMETER 13 WIND DIR 000 T SPD 00 KT VISIBILITY 6
 CLOUD 5 AMOUNT 6 DRY 19.5 WET 19.5 DEPTH M



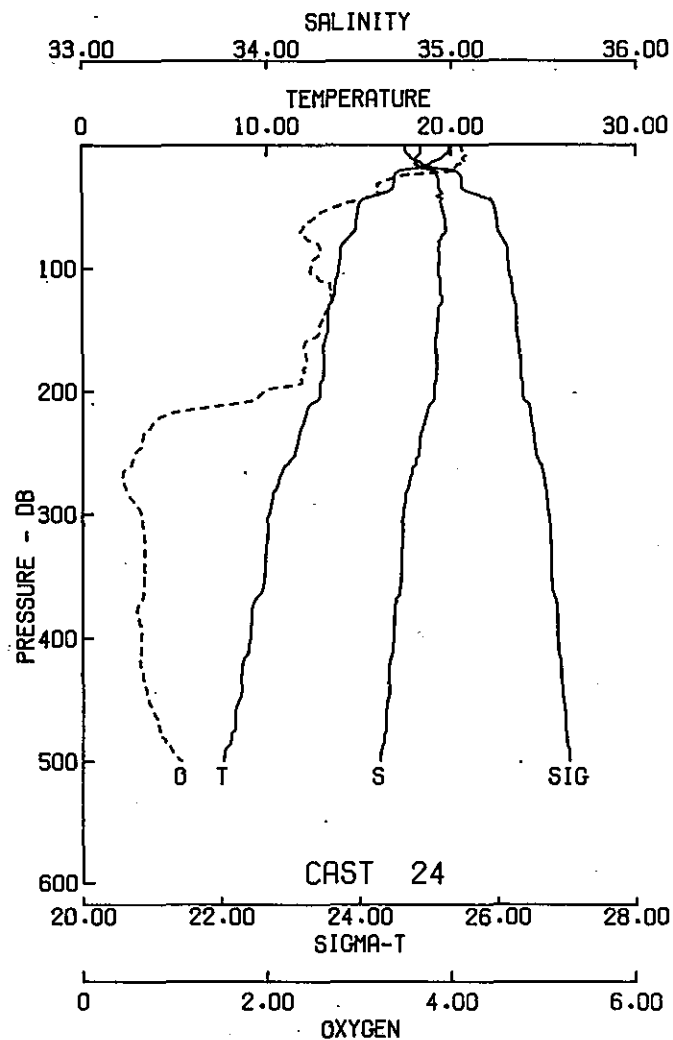
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	19.368	34.878	4.23	24.851	0.000
10.	18.392	34.909	4.29	25.122	0.036
20.	17.087	34.966	3.88	25.484	0.057
30.	15.592	34.955	3.35	25.822	0.081
40.	15.172	34.946	3.29	25.909	0.102
50.	14.938	34.989	3.28	25.594	0.123
60.	14.961	34.916	3.25	26.010	0.143
70.	14.946	34.950	3.14	26.056	0.163
80.	14.431	34.992	3.22	26.106	0.183
90.	14.433	34.918	3.16	26.126	0.203
100.	14.091	34.909	3.16	26.192	0.223
110.	13.842	34.932	3.03	26.224	0.243
120.	13.677	34.969	3.03	26.247	0.263
130.	13.486	34.959	2.98	26.279	0.276
140.	13.373	34.948	2.95	26.294	0.294
150.	13.319	34.942	2.91	26.301	0.311
160.	13.271	34.938	2.86	26.308	0.329
170.	13.224	34.934	2.84	26.314	0.347
180.	13.143	34.928	2.80	26.326	0.364
190.	13.007	34.918	2.67	26.345	0.382
200.	12.968	34.917	2.53	26.353	0.399
250.	11.624	34.831	0.86	26.547	0.481
300.	10.436	34.761	0.79	26.709	0.555
350.	9.831	34.724	1.00	26.784	0.624
400.	9.277	34.696	0.85	26.854	0.690
450.	8.510	34.656	0.94	26.946	0.752
500.	7.718	34.619	1.18	27.037	0.810
504.	7.660	34.613	1.21	27.040	

405

CAST EP6-83-DI-024 DATE 24 NOV 83 TIME 0827 GMT
LAT 00 29.2N LONG 107 59.7W



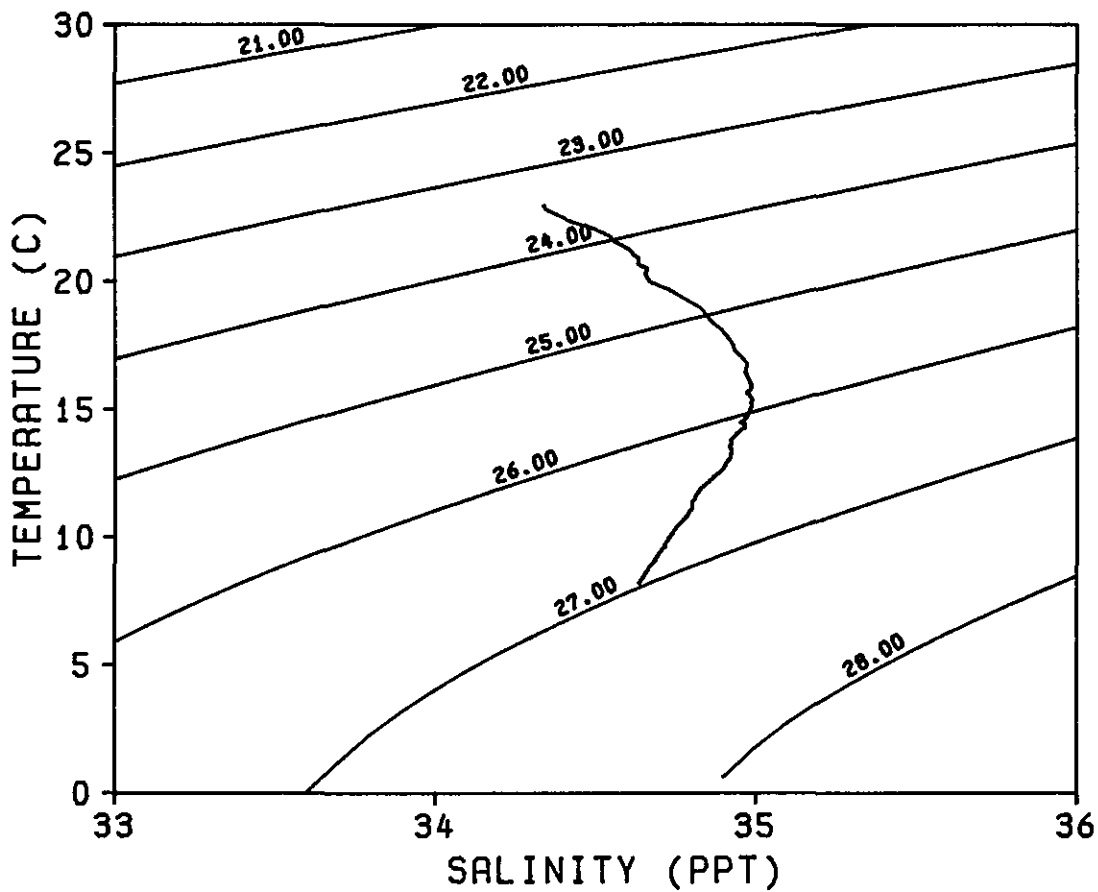
CAST EP6-83-CI-024 DATE 24 NOV 83 TIME 0827 GMT
 LAT 00 29.2N LONG 107 59.7W WEATHER 1 SEA STATE 0
 BAROMETER 10 WIND DIR 145 T SPD 08 KT VISCIBILITY 6
 CLOUD 7 AMOUNT 4 RPY 19.7 WET 19.2 DEPTH 3500 M



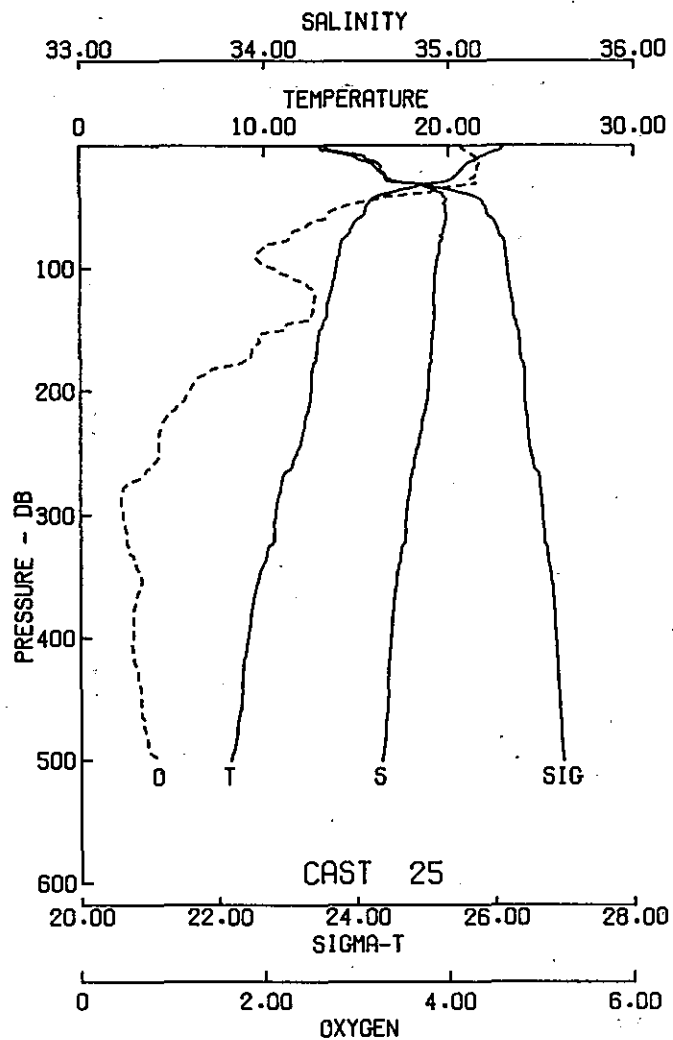
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	19.921	34.838	4.10	27.676	0.000
10.	19.579	34.820	4.14	27.752	.073
20.	17.775	34.886	4.07	27.857	.070
30.	16.947	34.936	3.29	27.995	.088
40.	16.245	34.954	3.23	28.072	.113
50.	14.983	34.948	3.78	28.153	.145
60.	14.878	34.967	3.51	28.190	.155
70.	14.789	34.972	2.37	28.213	.174
80.	14.179	34.937	2.56	28.118	.195
90.	14.013	34.937	2.56	28.153	.214
100.	13.908	34.932	3.49	28.171	.233
110.	13.777	34.944	2.58	28.207	.252
120.	13.702	34.943	2.72	28.223	.271
130.	13.424	34.944	2.69	28.281	.288
140.	13.364	34.932	2.60	28.284	.306
150.	13.345	34.928	2.57	28.285	.324
160.	13.158	34.918	3.42	28.315	.340
170.	13.106	34.922	3.42	28.336	.350
180.	13.080	34.921	3.42	28.336	.377
190.	13.036	34.914	2.37	28.346	.394
200.	12.866	34.904	1.99	28.367	.412
250.	11.534	34.824	.58	28.559	.490
300.	10.140	34.742	.64	28.745	.564
350.	9.864	34.726	.68	28.787	.630
400.	9.116	34.688	.65	28.874	.698
450.	8.450	34.651	.72	28.951	.758
500.	7.657	34.613	1.08	27.041	.816

407

CAST EP6-83-DI-025 DATE 24 NOV 83 TIME 1310 GMT
LAT 01 00.1N LONG 107 59.4W

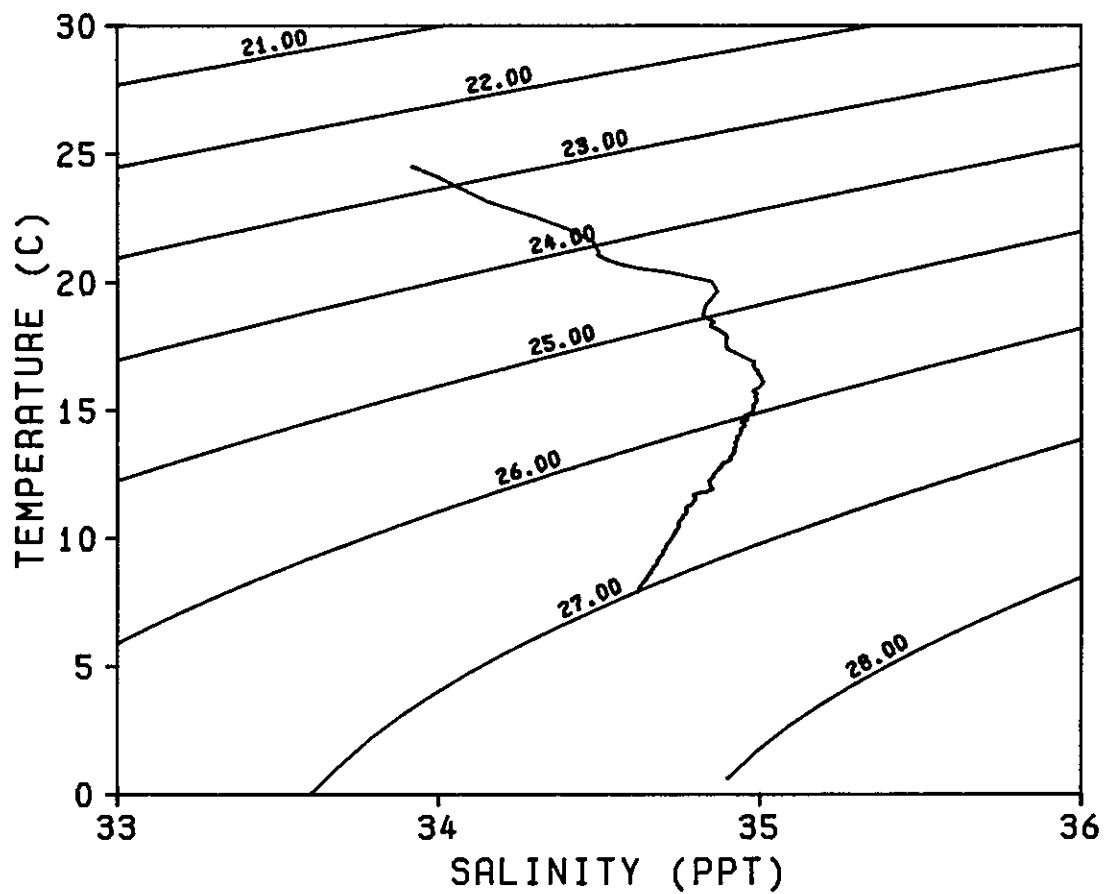


CAST EPA-83-DI-025 DATE 24 NOV 83 TIME 1319 GMT
 LAT 01 00.1N LONG 107 59.4W DEPTHFR 2 SEA STATE 7
 BAROMETER 10 WIND DIR 140 T SPD 10 KT VISIBILITY 7
 CLOUD 7 AMOUNT 7 DRY 20.2 WET 19.8 DEPTH 37.8 M

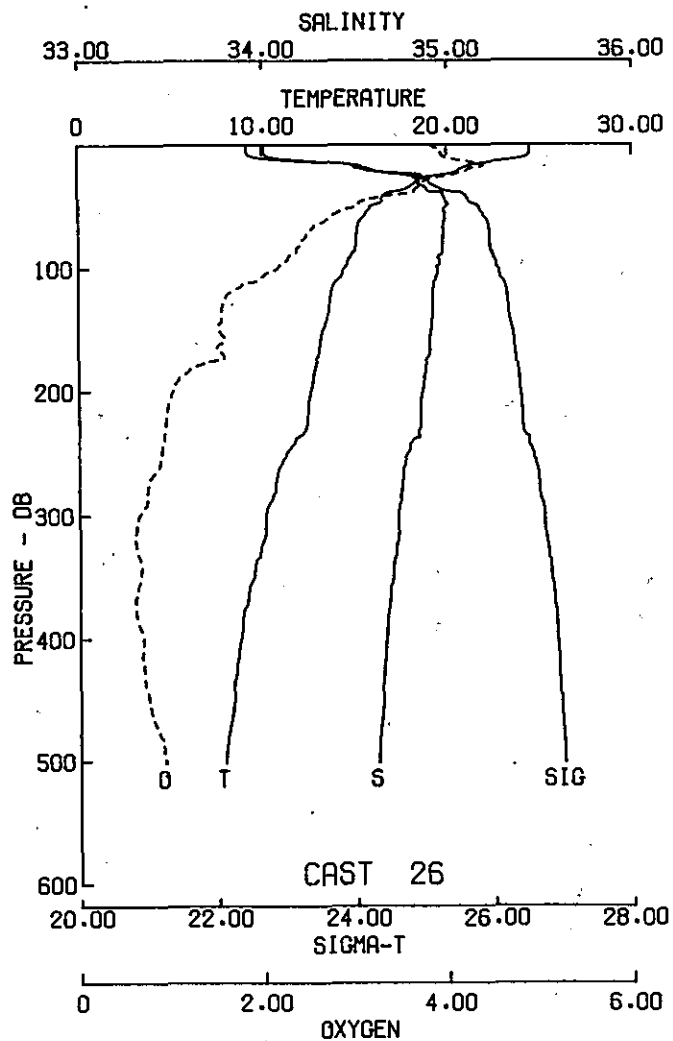


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-SI (DYN-CM)
0.	22.912	33.7	4.14	23.476	0.000
10.	21.625	34.559	4.339	23.998	.042
20.	20.676	34.633	4.332	24.320	.080
30.	19.654	34.727	4.324	24.662	.115
40.	16.417	34.965	4.316	25.642	.142
50.	15.503	34.982	4.308	25.863	.166
60.	15.683	34.986	4.300	25.963	.186
70.	14.635	34.971	4.292	25.845	.205
80.	14.147	34.949	4.284	26.134	.225
90.	14.045	34.938	4.276	26.147	.245
100.	13.886	34.930	4.268	26.174	.264
110.	13.774	34.918	4.260	26.189	.282
120.	13.605	34.921	4.252	26.226	.301
130.	13.420	34.920	4.244	26.263	.319
140.	13.382	34.922	4.236	26.273	.337
150.	13.060	34.920	4.228	26.336	.355
160.	12.995	34.918	4.220	26.358	.372
170.	12.854	34.906	4.212	26.367	.389
180.	12.692	34.891	4.204	26.407	.407
190.	12.529	34.886	4.196	26.417	.425
200.	12.509	34.885	4.188	26.419	.443
250.	11.751	34.819	4.180	26.513	.521
300.	10.612	34.771	4.172	26.685	.595
350.	9.684	34.716	4.164	26.802	.665
400.	8.710	34.684	4.156	26.673	.733
450.	8.710	34.665	4.148	26.921	.792
500.	8.161	34.636	4.140	26.985	.852
501.	8.152	34.634	4.132	26.984	

CAST EP6-83-DI-026 DATE 24 NOV 83 TIME 1721 GMT
LAT 01 26.4N LONG 108 06.8W

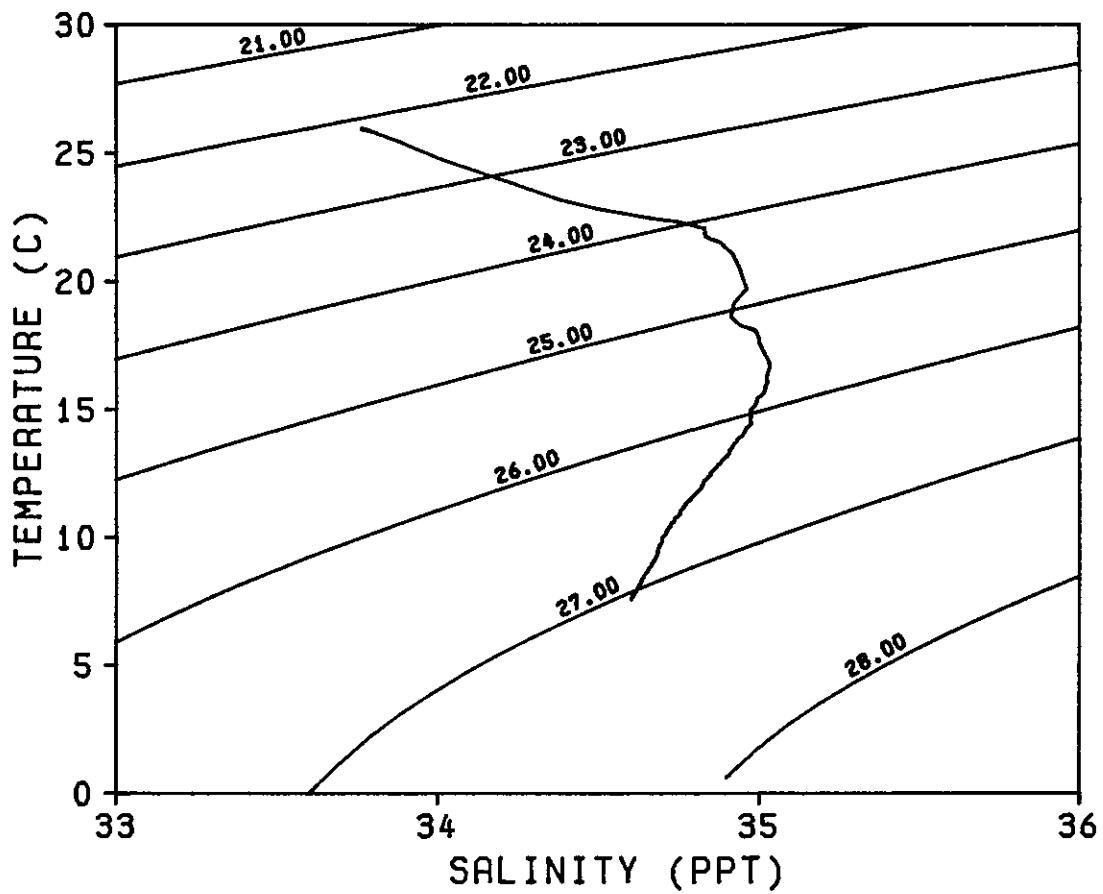


CAST EF6-83-D1-026 DATE 24 NOV 83 TIME 1721 GMT
 LAT 01 26.4N LONG 108 06.8W WEATHER 2 SEA STATE 3
 BAROMETER 13 WIND DIR 100 T SPD 10 KT VISIBILITY 8
 CLOUD 6 AMOUNT 8 DRY 23.0 WET 21.0 DEPTH 3563 M

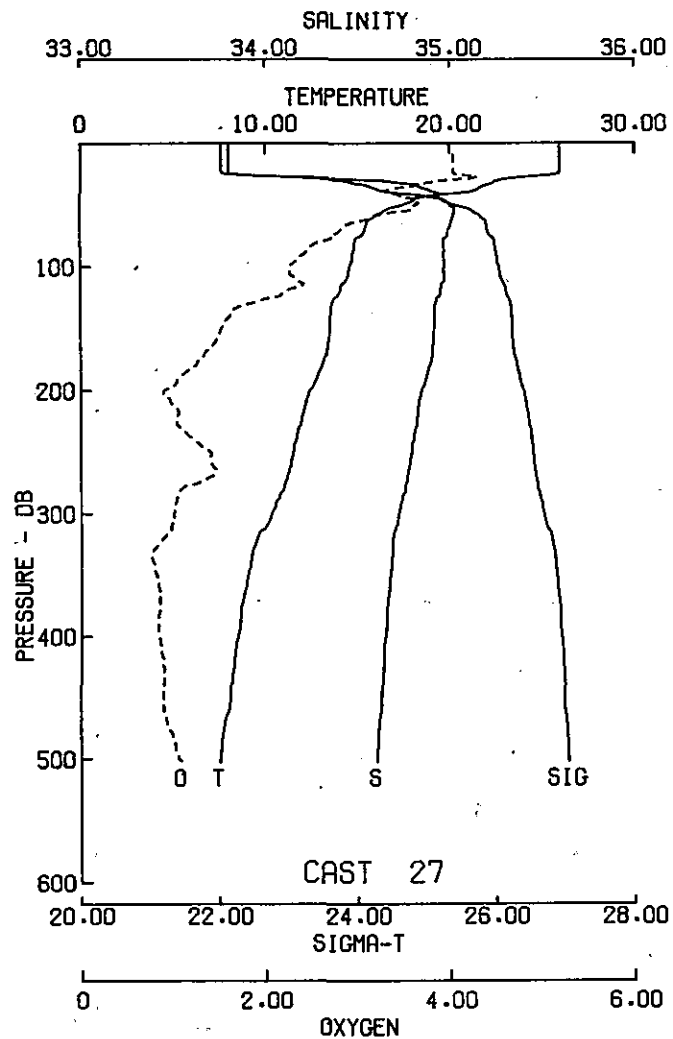


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DY"-M)
0.	24.498	33.916	3.84	22.693	0.000
10.	24.281	33.957	3.98	22.786	0.000
20.	23.728	34.555	4.24	23.047	0.000
30.	18.374	34.855	3.75	23.586	0.157
40.	16.740	34.979	3.57	23.576	0.154
50.	15.863	34.995	3.04	23.793	0.178
60.	15.390	34.991	2.71	23.895	0.190
70.	15.126	34.981	2.51	23.946	0.200
80.	15.074	34.979	2.43	23.956	0.241
90.	14.815	34.968	2.29	23.998	0.253
100.	14.464	34.948	2.17	24.066	0.253
110.	14.016	34.936	1.97	24.151	0.200
120.	13.724	34.923	1.65	24.202	0.320
130.	13.640	34.924	1.58	24.221	0.330
140.	13.595	34.924	1.56	24.244	0.357
150.	13.279	34.916	1.53	24.289	0.375
160.	13.133	34.908	1.58	24.313	0.392
170.	13.044	34.907	1.58	24.329	0.411
180.	12.833	34.878	1.25	24.448	0.428
190.	12.715	34.873	1.09	24.469	0.448
200.	12.586	34.864	1.02	24.489	0.460
250.	11.286	34.785	.93	24.577	0.545
300.	10.155	34.732	.66	24.736	0.717
350.	9.465	34.699	.66	24.826	0.785
400.	8.757	34.665	.63	24.914	0.747
450.	8.361	34.643	.75	24.959	0.807
500.	7.888	34.619	.93	27.012	0.866
502.	7.876	34.618	.93	27.012	0.866

CAST EP6-83-DI-027 DATE 25 NOV 83 TIME 0829 GMT
LAT 02 09.5N LONG 108 07.3W



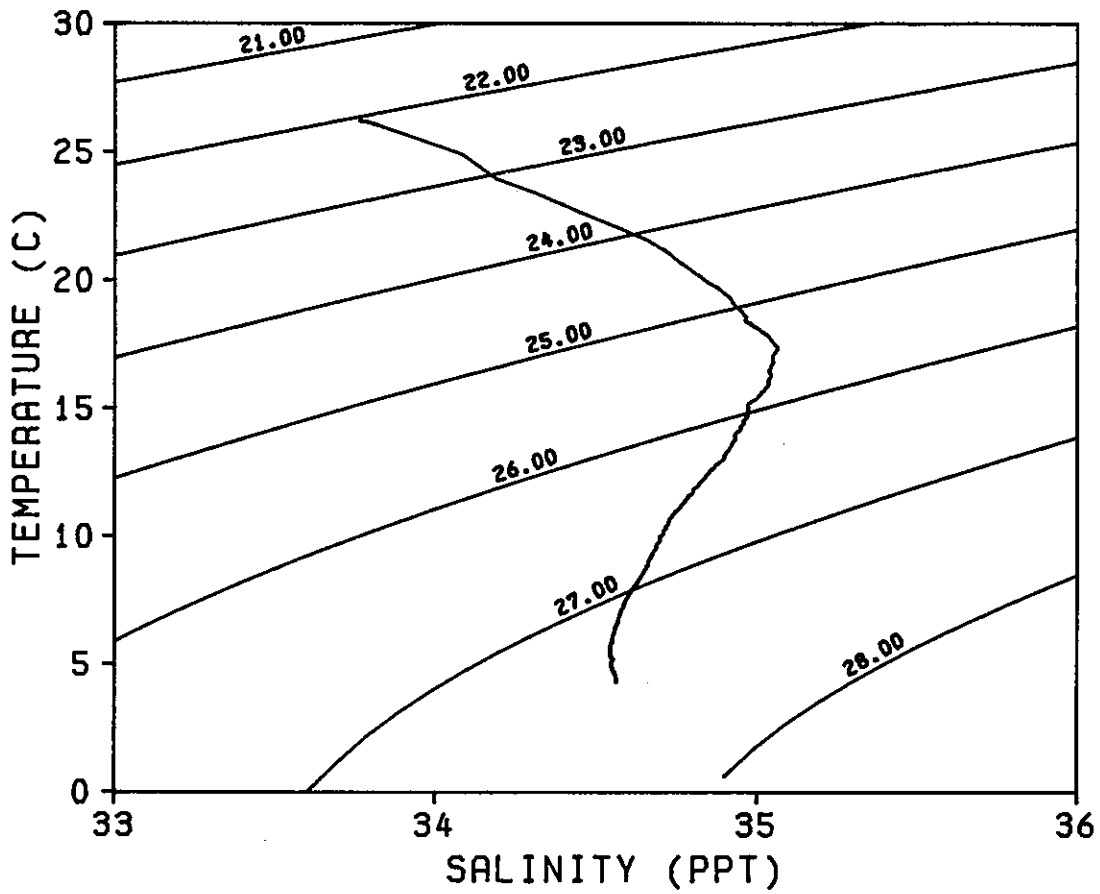
CAST EP6-83-01-027 DATE 25 NOV 83 TIME 0829 GMT
 LAT 32 09.5N LONG 108 07.3W WEATHER 2 SFA STATE 1
 BAROMETER 10 WIND DIR 155 T SPD 10 KT VISIBILITY 7
 CLOUD 6 AMOUNT 7 RPY 23.7 WET 21.5 DEPTH 3700 M



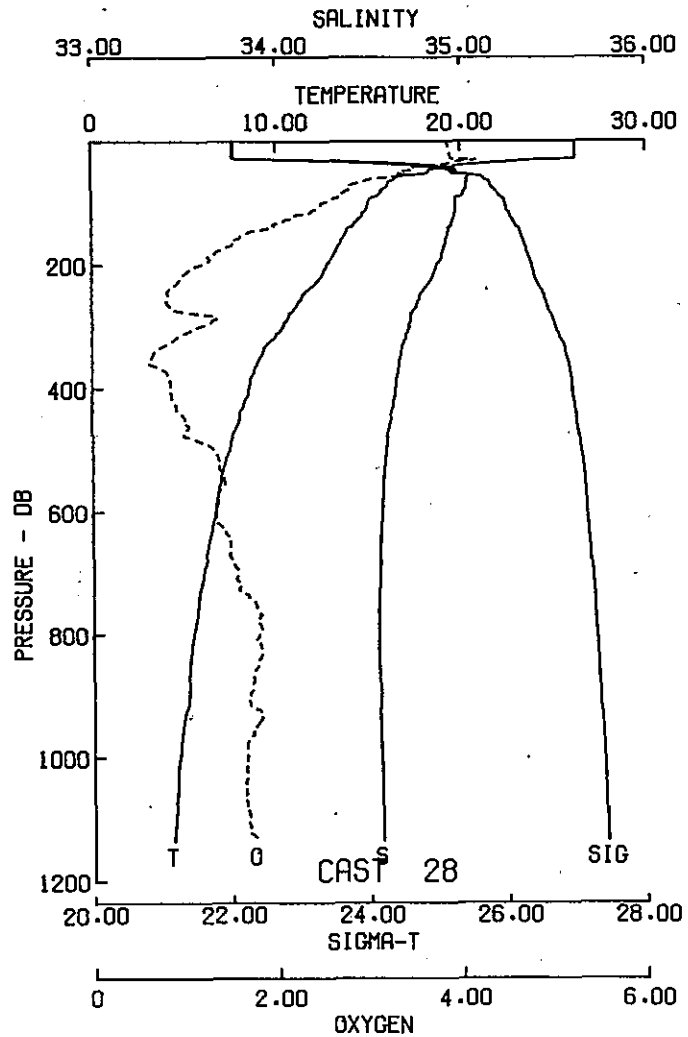
PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	25.934	33.763	3.99	22.141	0.300
10	25.941	33.764	4.04	22.141	.357
20	25.940	33.765	4.04	22.141	.114
30	22.790	33.450	4.01	23.637	.167
40	21.029	33.491	3.92	24.442	.206
50	17.582	33.499	3.67	25.332	.217
60	15.963	33.502	3.18	25.790	.239
70	15.451	33.596	2.83	25.885	.280
80	14.904	33.649	2.64	25.980	.301
90	14.769	33.669	2.43	26.015	.322
100	14.612	33.697	2.38	26.055	.342
110	14.465	33.697	2.34	26.095	.362
120	14.085	33.444	2.23	26.151	.381
130	13.647	33.492	1.85	26.222	.400
140	13.543	33.492	1.63	26.239	.419
150	13.510	33.491	1.53	26.242	.438
160	13.450	33.491	1.47	26.253	.455
170	13.348	33.490	1.35	26.265	.473
180	13.079	33.489	1.25	26.285	.491
190	12.821	33.487	1.07	26.348	.508
200	12.446	33.484	.91	26.403	.525
250	11.519	33.479	1.40	26.533	.606
300	10.349	33.472	1.01	26.693	.681
350	9.052	33.467	.82	26.874	.747
400	8.485	33.464	.85	26.922	.808
450	8.105	33.463	.89	26.947	.867
500	7.555	33.460	1.05	27.040	.923
563	7.554	33.460	1.10	27.050	

413

CAST EP6-83-DI-028 DATE 25 NOV 83 TIME 1252 GMT
LAT 02 30.5N LONG 108 01.9W



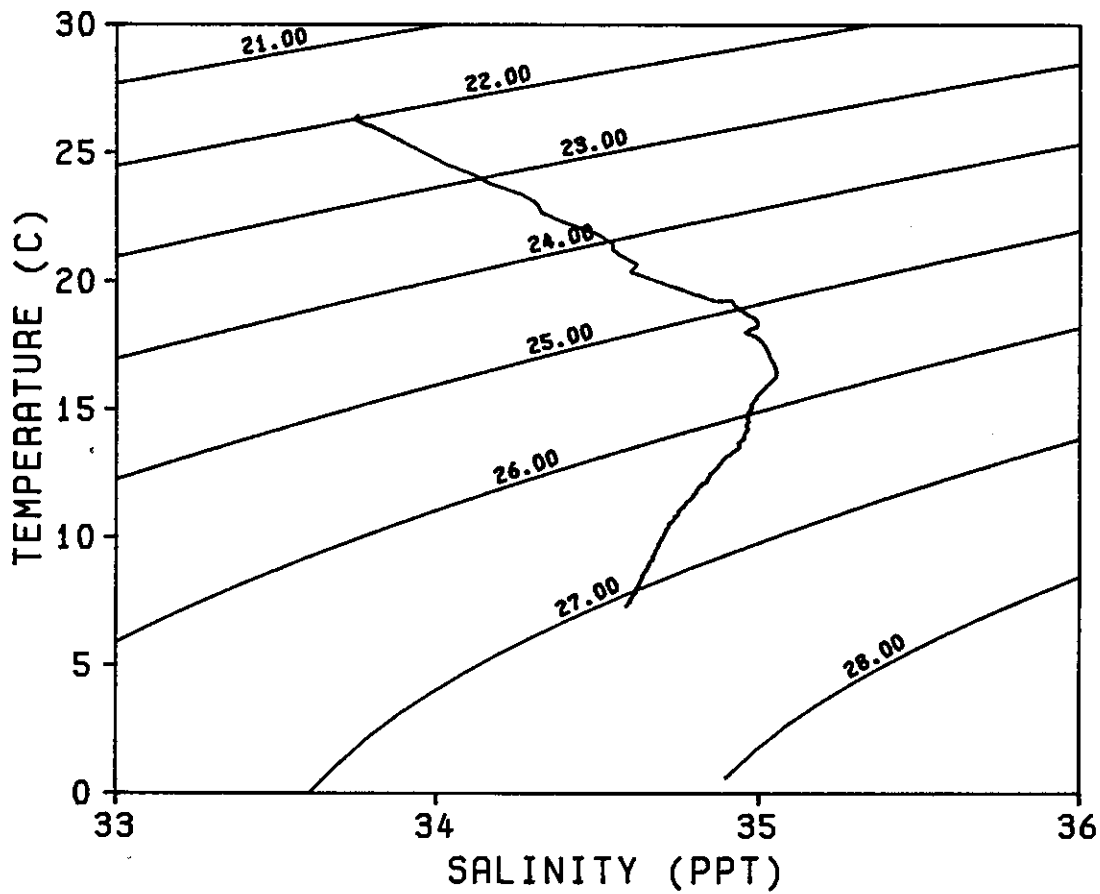
CAST EP6-83-DI-828 DATE 25 NOV 83 TIME 1252 GMT
 LAT 02 30.5N LONG 108 01.9W WEATHER 2 SEA STATE 7
 BAROMETER 11 WIND DIR 230 T SPD 13 KT VISIBILITY 7
 CLOUD 7 AMOUNT 7 DRY 23.6 WET 21.5 DEPTH "



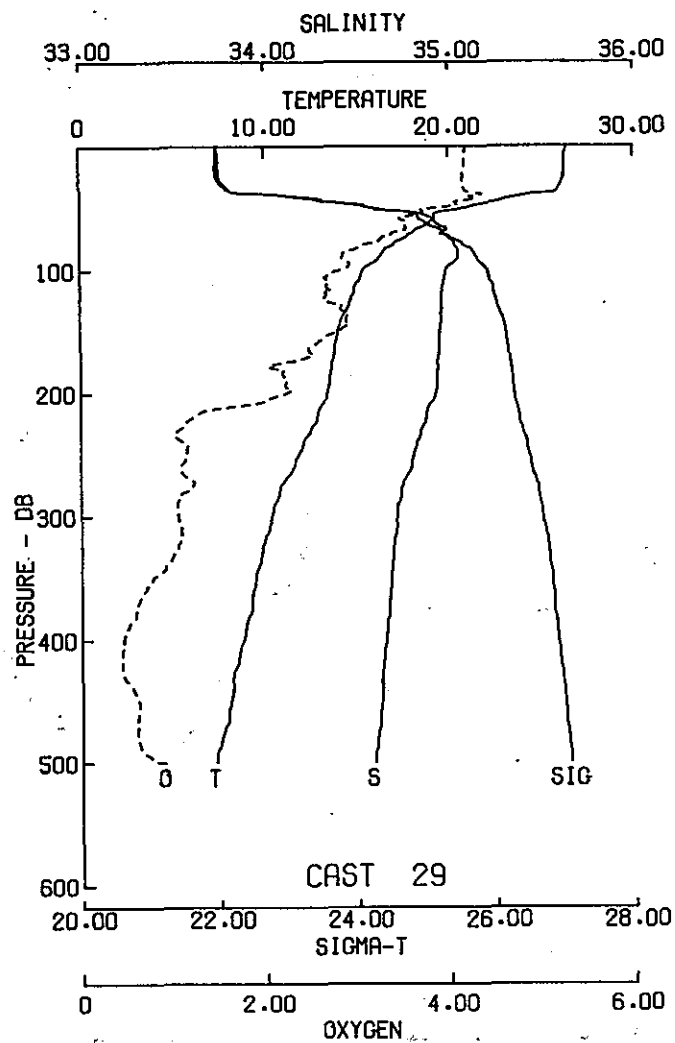
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-CM)
9.0	26.216	33.764	3.88	22.054	0.000
10.0	26.222	33.763	3.88	22.052	0.000
20.0	26.222	33.763	3.89	22.051	0.116
30.0	24.901	34.086	4.13	22.695	0.173
40.0	19.879	34.846	3.59	24.694	0.214
50.0	18.264	34.979	3.37	25.207	0.234
60.0	16.514	35.039	3.18	25.576	0.250
70.0	16.098	35.034	2.84	25.768	0.258
80.0	15.724	35.023	2.78	25.844	0.261
90.0	15.417	35.002	2.66	25.898	0.262
100.0	14.972	34.976	2.52	25.972	0.267
110.0	14.884	34.969	2.43	25.991	0.277
120.0	14.638	34.966	2.27	26.041	0.298
130.0	14.556	34.956	2.08	26.095	0.412
140.0	13.987	34.932	1.97	26.155	0.437
150.0	13.761	34.930	1.68	26.201	0.456
160.0	13.517	34.920	1.55	26.243	0.474
170.0	13.348	34.911	1.51	26.271	0.493
180.0	13.213	34.902	1.35	26.292	0.511
190.0	13.000	34.893	1.26	26.322	0.529
200.0	12.733	34.876	1.18	26.363	0.547
250.0	11.411	34.778	0.83	26.545	0.622
300.0	9.334	34.716	1.14	26.631	0.707
350.0	9.081	34.667	0.64	26.864	0.775
400.0	8.478	34.642	0.86	26.940	0.831
450.0	7.978	34.619	1.01	26.998	0.890
500.0	7.419	34.590	1.32	27.057	0.944
550.0	6.954	34.575	1.44	27.111	0.999
600.0	6.657	34.568	1.34	27.146	1.050
650.0	6.306	34.559	1.43	27.186	1.106
700.0	5.978	34.553	1.57	27.223	1.149
750.0	5.570	34.544	1.76	27.256	1.190
800.0	5.456	34.545	1.80	27.282	1.224
850.0	5.241	34.546	1.79	27.309	1.258
900.0	5.150	34.553	1.75	27.324	1.288
950.0	4.812	34.551	1.75	27.363	1.371
1000.0	4.632	34.557	1.66	27.387	1.412
1100.0	4.296	34.563	1.76	27.456	

415

CAST EP6-83-DI-029 DATE 25 NOV 83 TIME 1907 GMT
LAT 03 01.0N LONG 108 02.6W

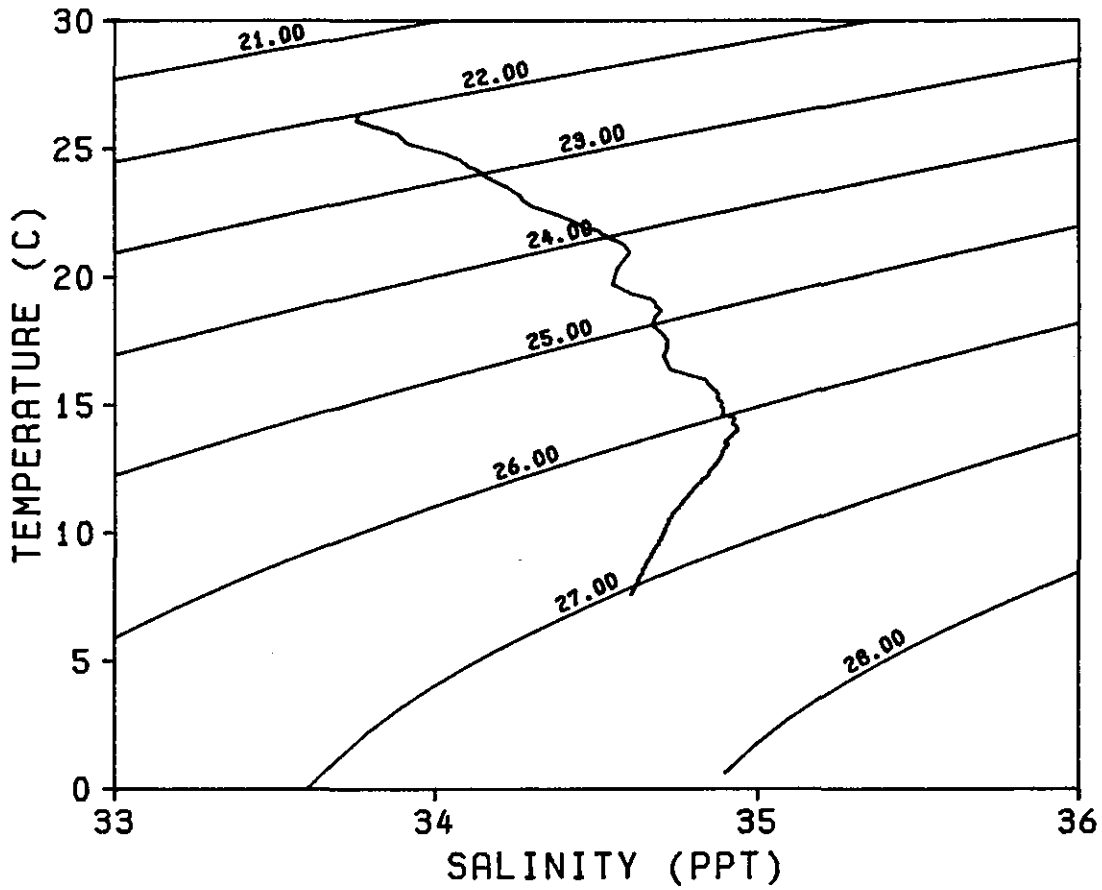


CAST EF6-83-DI-029 DATE 25 NOV 83 TIME 1937 GMT
 LAT 03 01.0N LONG 108 02.6W WEATHER 1 SEA STATE 1
 BAROMETER 11 WIND DTR 15.5 T SPD 10 KT VISIBILITY P
 CLOUD 6 AMOUNT 4 DRY 26.1 WET 23.4 DEPTH 3713 M

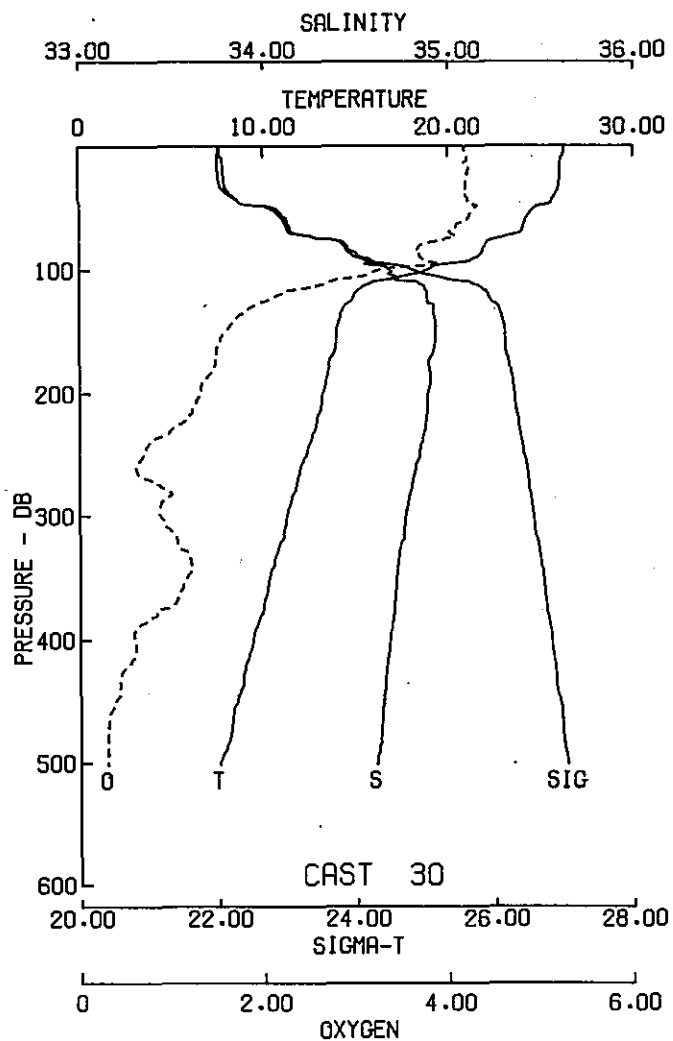


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-S (DYN-M)
0.	26.420	33.750	4.19	21.990	0.000
10.	26.279	33.745	4.19	22.020	.158
20.	26.266	33.743	4.16	22.050	.116
30.	26.133	33.767	4.16	22.090	.174
40.	24.180	34.104	4.33	22.200	.231
50.	20.998	34.569	3.95	22.410	.273
60.	19.166	34.916	3.49	22.490	.315
70.	18.095	34.966	3.42	22.540	.335
80.	17.048	35.031	3.09	22.550	.361
90.	16.261	35.054	3.05	22.570	.385
100.	15.366	35.088	3.07	22.590	.407
110.	15.083	35.076	3.09	22.610	.428
120.	14.852	35.065	3.07	22.630	.449
130.	14.586	35.065	3.04	22.650	.469
140.	14.231	35.062	3.00	22.670	.489
150.	14.008	35.054	3.01	22.690	.509
160.	13.874	35.050	3.07	22.710	.527
170.	13.746	35.041	3.10	22.730	.545
180.	13.613	35.039	3.10	22.750	.562
190.	13.517	35.036	3.22	22.770	.579
200.	13.384	35.026	3.24	22.790	.595
250.	11.828	34.808	3.13	22.840	.626
300.	10.357	34.719	3.06	22.880	.656
350.	9.448	34.679	3.06	22.910	.686
400.	8.810	34.657	3.45	22.930	.716
450.	8.055	34.623	3.51	22.950	.746
500.	7.283	34.588	3.91	22.975	.776

CAST EP6-83-DI-030 DATE 26 NOV 83 TIME 0134 GMT
LAT 04 02.7N LONG 108 00.1W

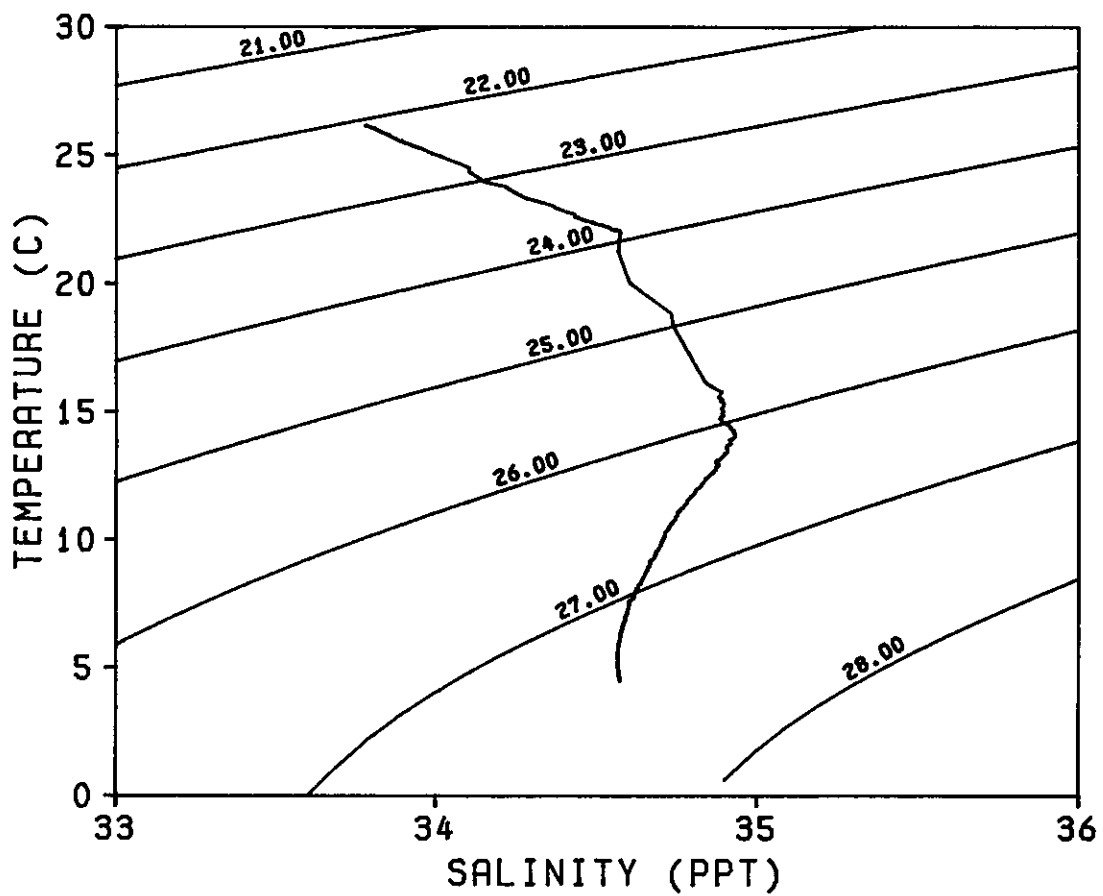


CAST FP6-P3-DI-030 DATE 26 NOV 93 TIME 0134 GMT
 LAT 04 02.7N LONG 108 05.1W WEATHER 1 SEA STATE 2
 BAROMETER 12 WIND DTR 165 T SPD 00 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 21.9 WET 23.0 DEPTH M

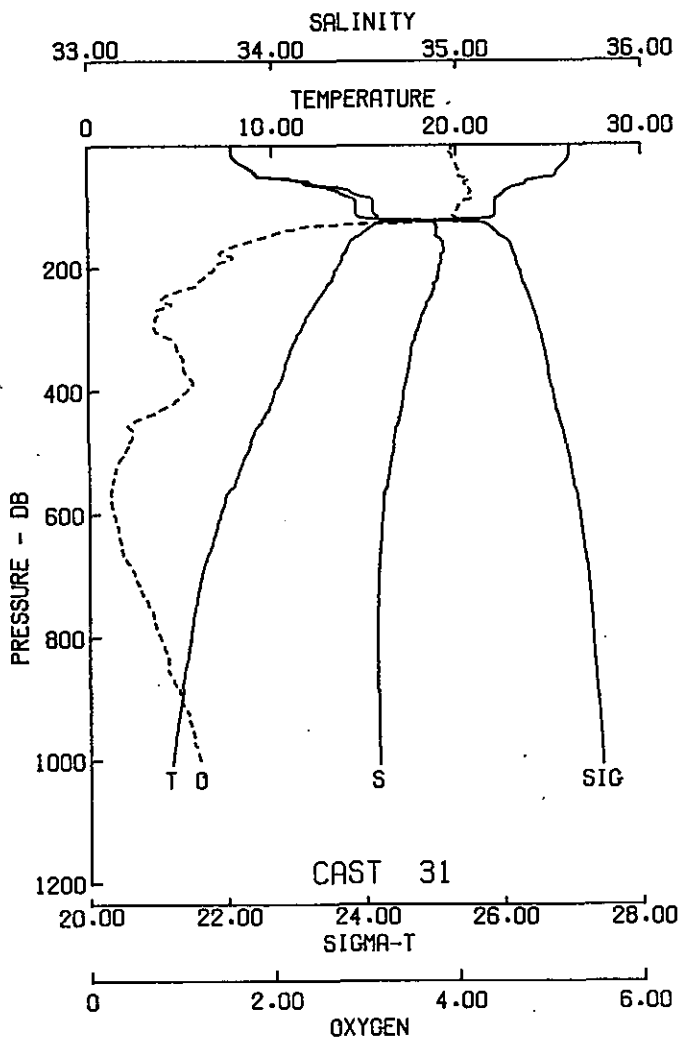


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-M)
0.	26.254	33.758	4.21	22.039	0.000
10.	26.122	33.758	4.21	22.079	0.050
20.	26.056	33.757	4.22	22.099	0.110
30.	26.031	33.767	4.20	22.114	0.170
40.	26.005	33.824	4.19	22.227	0.230
50.	24.706	34.045	4.29	22.798	0.280
60.	24.162	34.127	4.20	22.952	0.330
70.	23.942	34.149	4.01	22.934	0.360
80.	22.021	34.446	3.73	23.810	0.420
90.	21.593	34.526	3.59	23.989	0.460
100.	18.996	34.682	3.29	24.797	0.500
110.	15.963	34.839	2.71	25.649	0.530
120.	14.942	34.886	2.19	25.914	0.550
130.	14.362	34.926	1.87	25.976	0.560
140.	14.130	34.933	1.63	26.125	0.570
150.	13.963	34.934	1.51	26.161	0.570
160.	13.543	34.931	1.49	26.163	0.570
170.	13.714	34.912	1.49	26.196	0.570
180.	13.501	34.898	1.46	26.229	0.570
190.	13.360	34.902	1.34	26.261	0.570
200.	13.186	34.889	1.32	26.287	0.570
250.	12.332	34.846	1.16	26.423	0.700
300.	11.271	34.771	1.07	26.566	0.770
350.	10.287	34.716	1.16	26.700	0.950
400.	9.398	34.681	1.59	26.823	1.010
450.	8.493	34.642	2.37	26.947	1.080
500.	7.566	34.607	2.99	27.050	1.140
550.	7.566	34.607	3.30	27.049	1.141

CAST EP6-83-DI-031 DATE 26 NOV 83 TIME 0853 GMT
LAT 05 01.7N LONG 107 55.3W



CAST EP6-R3-DI-031 DATE 26 NOV 83 TIME 0853 GMT
 LAT 05 01.7N LONG 107 55.3W WEATHER 1 SEA STATE 1
 BAROMETER 11 WIND DIR 000 T SPD 00 KT VISIBILITY 8
 CLOUD 6 AMOUNT 4 DRY 25.0 WET 23.5 DEPTH 3450 M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.144	35.780	3.98	22.089	0.000
10.	26.140	35.780	3.92	22.090	.057
20.	26.082	35.794	3.96	22.119	.115
30.	25.866	35.832	3.99	22.214	.170
40.	25.526	35.892	4.03	22.364	.227
50.	25.359	35.925	4.05	22.443	.283
60.	25.333	35.925	4.10	23.122	.333
70.	22.963	35.364	4.15	23.481	.380
80.	22.520	35.446	4.14	23.669	.423
90.	22.094	35.544	4.13	23.864	.464
100.	22.075	35.546	4.08	23.871	.505
110.	22.066	35.849	3.99	23.873	.546
120.	21.530	35.866	4.05	24.037	.587
130.	15.526	35.879	2.76	25.779	.615
140.	15.103	35.886	2.13	25.878	.637
150.	14.577	35.892	1.92	25.992	.655
160.	14.198	35.928	1.69	26.107	.678
170.	14.056	35.930	1.55	26.130	.699
180.	13.822	35.914	1.52	26.175	.717
190.	13.740	35.916	1.47	26.194	.736
200.	13.537	35.902	1.38	26.225	.755
250.	12.537	35.852	.81	26.388	.844
300.	11.598	35.789	.73	26.529	.925
350.	11.806	35.745	1.04	26.551	1.003
400.	9.118	35.710	1.08	26.724	1.077
450.	8.429	35.685	.50	26.821	1.146
500.	8.599	35.648	.40	26.926	1.200
550.	7.927	35.618	.26	27.005	1.260
600.	7.134	35.593	.28	27.111	1.324
650.	6.684	35.581	.34	27.155	1.377
700.	6.103	35.570	.50	27.221	1.427
750.	5.763	35.566	.65	27.261	1.472
800.	5.502	35.563	.77	27.297	1.517
850.	5.215	35.565	.87	27.327	1.561
900.	5.003	35.560	.98	27.352	1.603
950.	4.735	35.567	1.11	27.384	1.644
1000.	4.504	35.571	1.21	27.413	1.684
1007.	4.475	35.571	1.33	27.416	