

NOAA Data Report ERL PMEL-9



CTD/O₂ MEASUREMENTS DURING 1980 AND 1981 AS PART OF THE EQUATORIAL
PACIFIC OCEAN CLIMATE STUDY (EPOCS)

Pacific Marine Environmental Laboratory
Seattle, Washington
June 1983

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NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

Environmental Research
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PACIFIC OCEAN CLIMATE STUDY (EPOCS)

L. J. Mangum
S. P. Hayes

Pacific Marine Environmental Laboratory
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ABSTRACT

CTD/O₂ data are presented that were collected on eight cruises in the equatorial Pacific during 1980 and 1981. In addition to measurements east of the Galápagos and along the equator to 180°W, the majority of the data were taken along 110°W in 6 sections that continued the work that was begun in 1979. Station locations, meteorological conditions and profiles of temperature, salinity, sigma-T, and oxygen are shown for each cast. T-S diagrams and section plots along 110°W of oceanographic variables are also included. These measurements are a component of the Equatorial Pacific Ocean Climate Study (EPOCS) program of NOAA.

1.0 INTRODUCTION

As part of NOAA's Equatorial Pacific Ocean Climate Study (EPOCS), CTD/O₂ data has been collected in the eastern equatorial Pacific since 1979 in an effort to understand variations in water mass characteristics and their effects on global climate changes. The 1979 CTD/O₂ data was reported in Mangum, et al., (1980); this report presents measurements in 1980 and 1981.

Data collected during 1979 were concentrated along 110°W and 105°W between 15°N and 5°S. The eight EPOCS CTD cruises during 1980 and 1981 continued to sample 110°W, with three sections taken from 10°N to 0° and with three longer sections from 10°N to at least 5°S. Additionally several sections along the equator were taken, and work to the east of 110°W was started with short sections occupied along 95°W and 85°W. The area of operations for 1980 and 1981 is shown in Figure 1. Figures 2-9 show the CTD sampling for each cruise. The cruise label notation is EPx-yy-zz, where x is the sequential cruise number during each year (1-5), yy is the year (80 or 81), and zz is the ship code (either OC for the NOAA Ship OCEANOGRAPHER or RS for the NOAA Ship RESEARCHER). No CTD data were collected during EP1-81-OC.

Neil Brown Instrument Systems (NBIS) Mark III CTDs, which were equipped with Beckmann dissolved oxygen probes for all cruises except EP3-80-RS and EP4-80-RS, were used to collect the data. Cruises on the RESEARCHER (EP3-80-RS, EP4-80-RS and EP5-81-RS) used an NBIS CTD system supplied by the Atlantic Oceanographic and Meteorological Laboratory (AOML); the other cruises used the PMEL NBIS system. These NBIS systems sample pressure, temperature, conductivity and dissolved oxygen at a rate of 30 hz, as described by Brown (1974), and the data are recorded on an LSI 11/03 online computer. Typical lowering rates were 45 m/min for the first 200 meters and then the speed was increased to 60 m/min below this depth. The CTD data were recorded on the down trace only, and water samples were taken during the up cast using an electronically-fired Rosette sampler for calibration purposes.

2.0 NBIS CTD DATA PROCESSING

The NBIS CTD acquisition, processing and calibration system is described in Mangum, *et al.* 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. The data is then edited and one-decibar averages are made, after correction for response time differences between the temperature and conductivity probes have been made. No lag correction was made for the oxygen data. Laboratory calibration information from pre- and postcruise calibrations (if available) are compared with bottle calibration information and historical data to determine corrections to pressure, temperature and conductivity. Oxygen bottle data is used to determine the oxygen calibration for each cruise.

3.0 DATA PRESENTATION

After calibrations were applied to the 1-decibar averaged data, summary plots with listings and T/S plots were generated 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. Sections along 110°W of temperature, salinity, sigma-T and dissolved oxygen are shown in Figures 10-16 for comparison with the 1979 data. These were drawn using a contour plotting program supplied by H. P. Freitag (private communication).

4.0 ACKNOWLEDGMENTS

The support of the officers and crew of the NOAA Ships OCEANOGRAPHER and RESEARCHER are greatly appreciated, with special thanks to the survey departments. The efforts of PMEL and AOML personnel who assisted in the field program are gratefully acknowledged. This research was supported in part by the Equatorial Pacific Ocean Climate Studies (EPOCS) Project of NOAA. Contribution No. 613 from NOAA's Pacific Marine Environmental Laboratory.

References

- Brown, N. L., 1974, A precision CTD microprofiler. *Ocean* 74, 2, 270-278.
- 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.
- 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.

FIGURES AND TABLES

FIGURES

- Figure 1. Location of Major CTD/O₂ sections in 1980 and 1981.
- Figure 2. CTD/O₂ stations occupied during EP1-80-OC.
- Figure 3. CTD/O₂ stations occupied during EP2-80-OC.
- Figure 4. CTD stations occupied during EP3-80-RS.
- Figure 5. CTD stations occupied during EP4-80-RS.
- Figure 6. CTD/O₂ stations occupied during EP2-81-OC.
- Figure 7. CTD/O₂ stations occupied during EP3-81-OC.
- Figure 8. CTD/O₂ stations occupied during EP4-81-OC.
- Figure 9. CTD/O₂ stations occupied during EP5-81-RS.
- Figure 10. Temperature (°C) sections along 110°W in 1980.
- Figure 11. Temperature (°C) sections along 110°W in 1981.
- Figure 12. Salinity (‰) sections along 110°W in 1980.
- Figure 13. Salinity (‰) sections along 110°W in 1981.
- Figure 14. Sigma-T sections along 110°W in 1980.
- Figure 15. Sigma-T sections along 110°W in 1981.
- Figure 16. Oxygen sections along 110°W in 1980 and 1981.

LOCATION OF SECTIONS

1980-1981

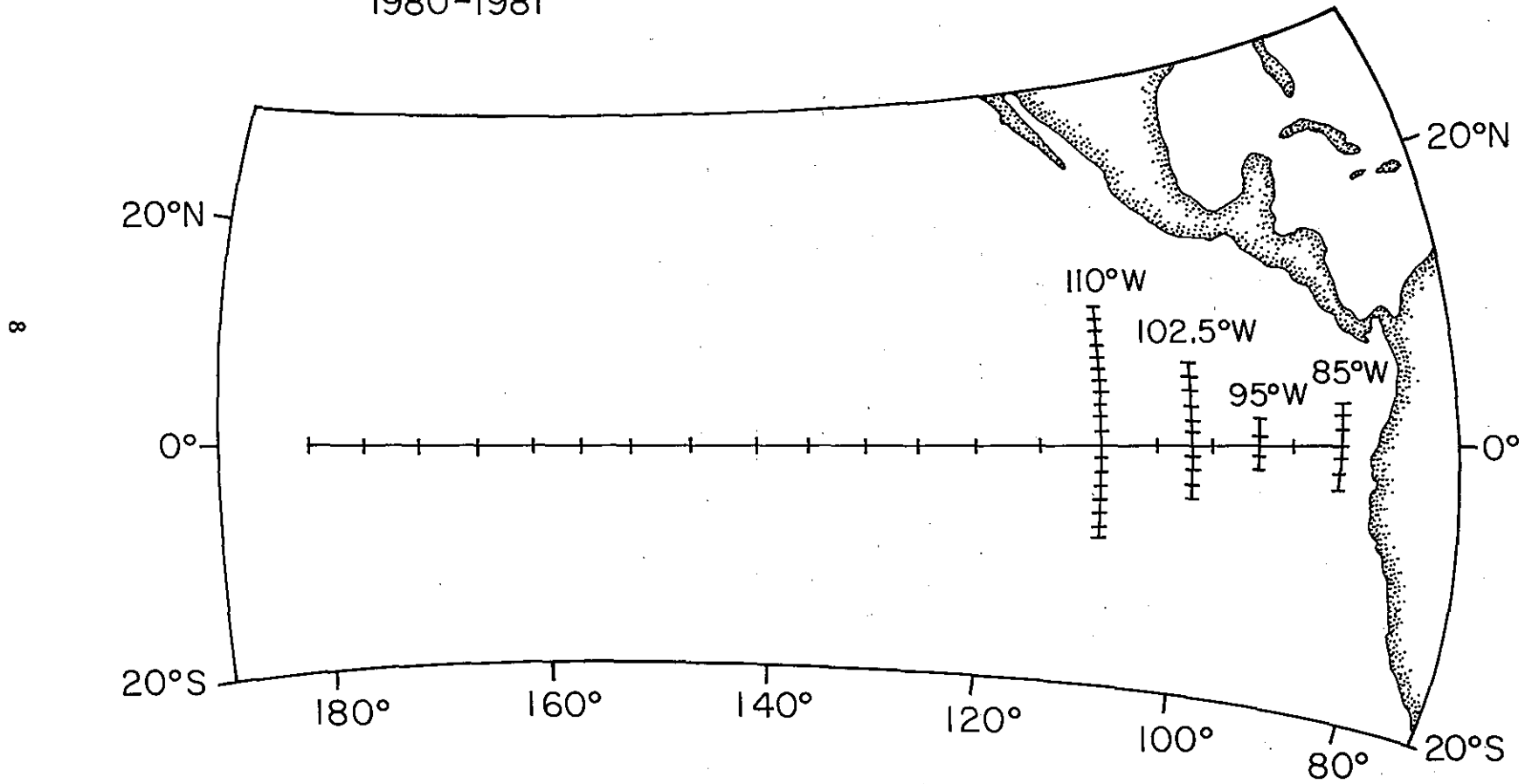


Figure 1. Location of Major CTD/O₂ sections in 1980 and 1981.

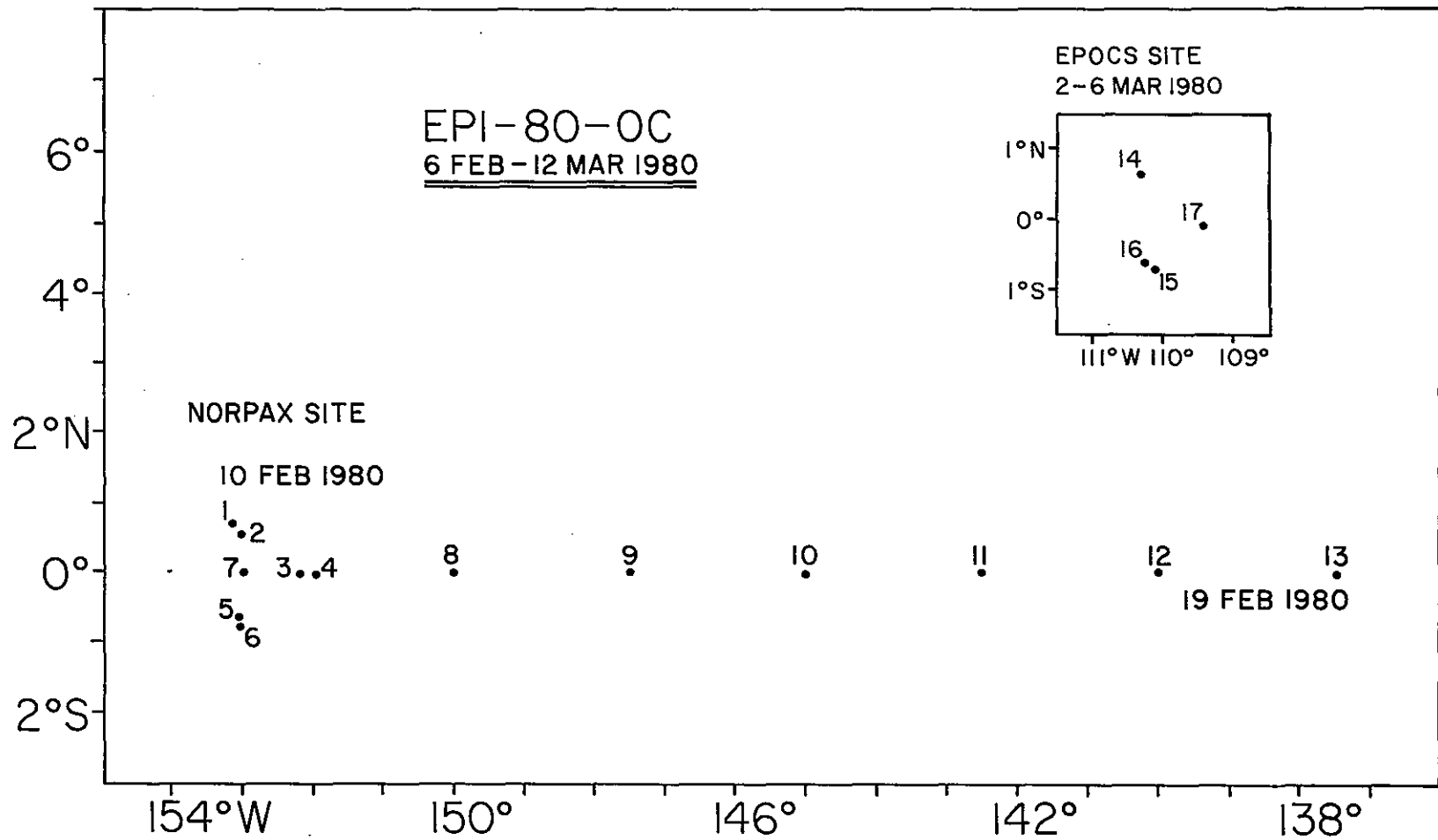


Figure 2. CTD/O₂ stations occupied during EPI-80-OC.

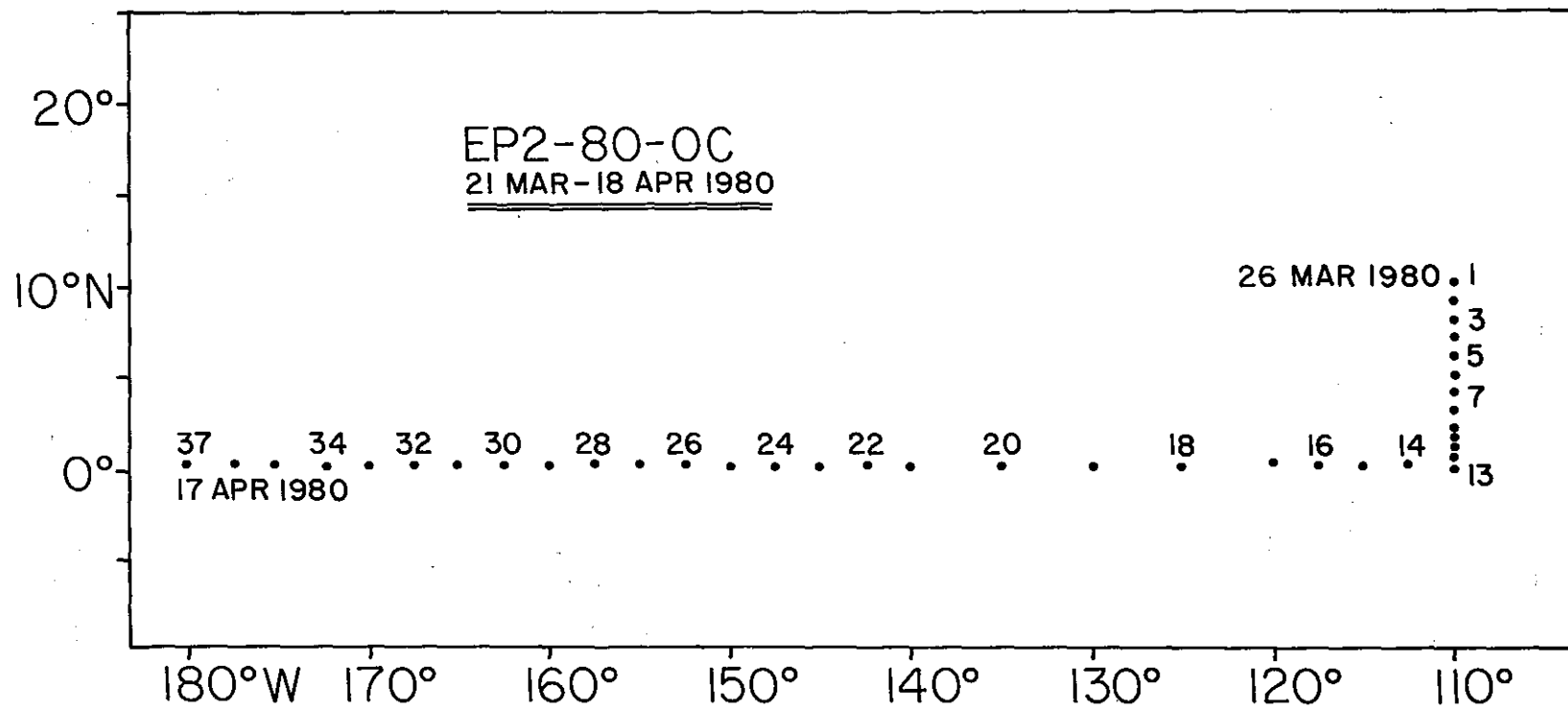


Figure 3. CTD/O₂ stations occupied during EP2-80-OC.

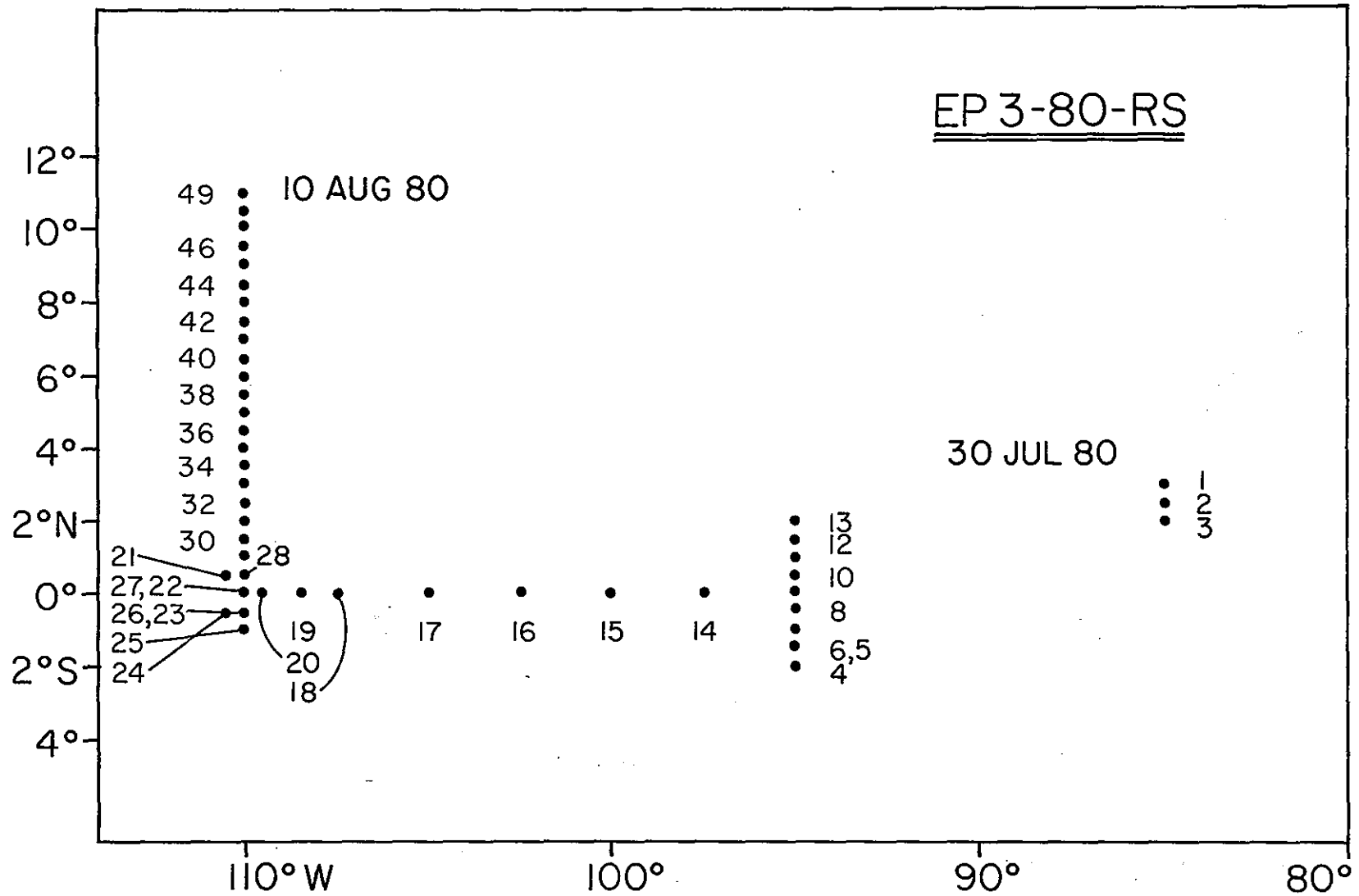


Figure 4. CTD stations occupied during EP3-80-RS.

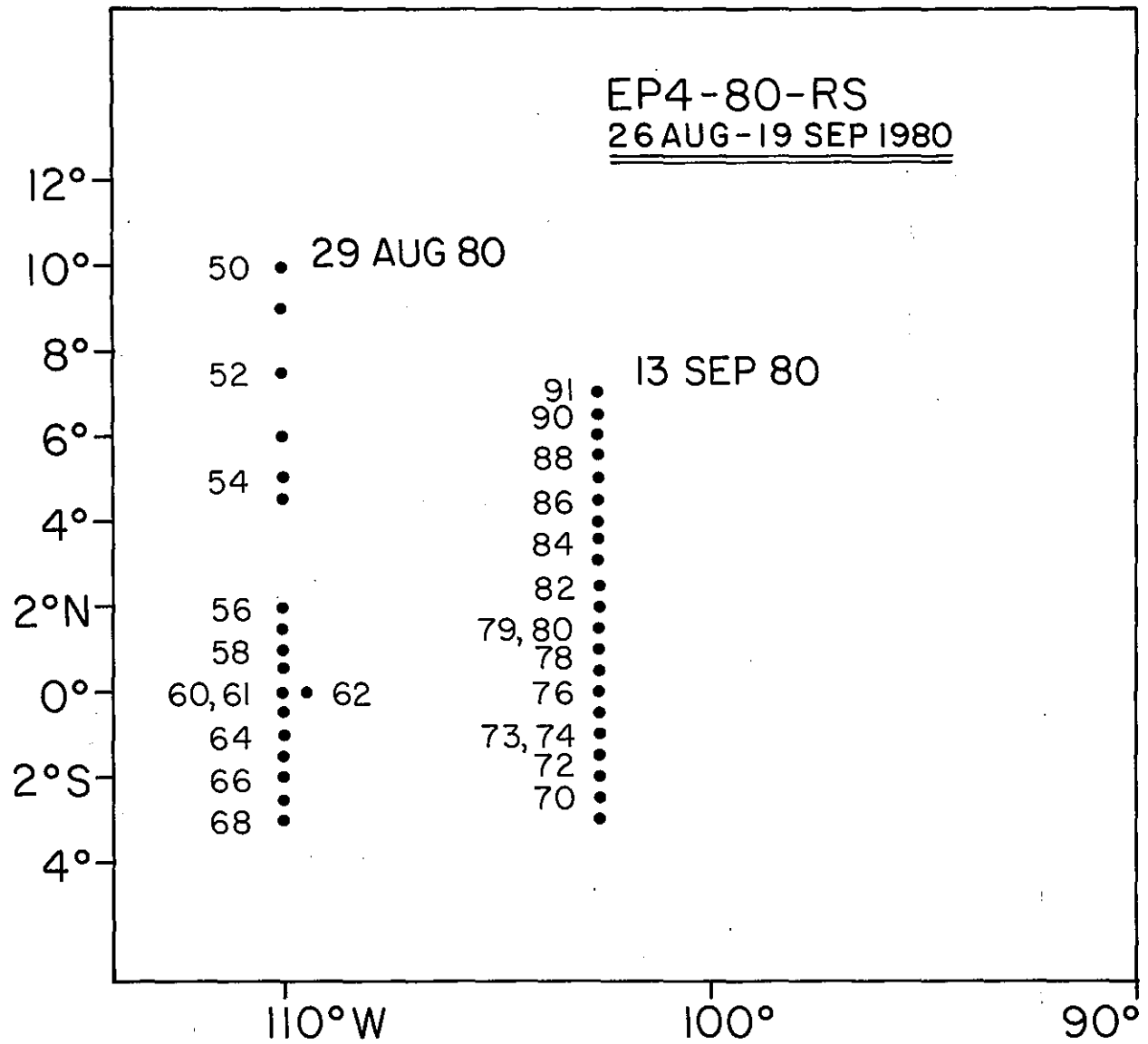


Figure 5. CTD stations occupied during EP4-80-RS.

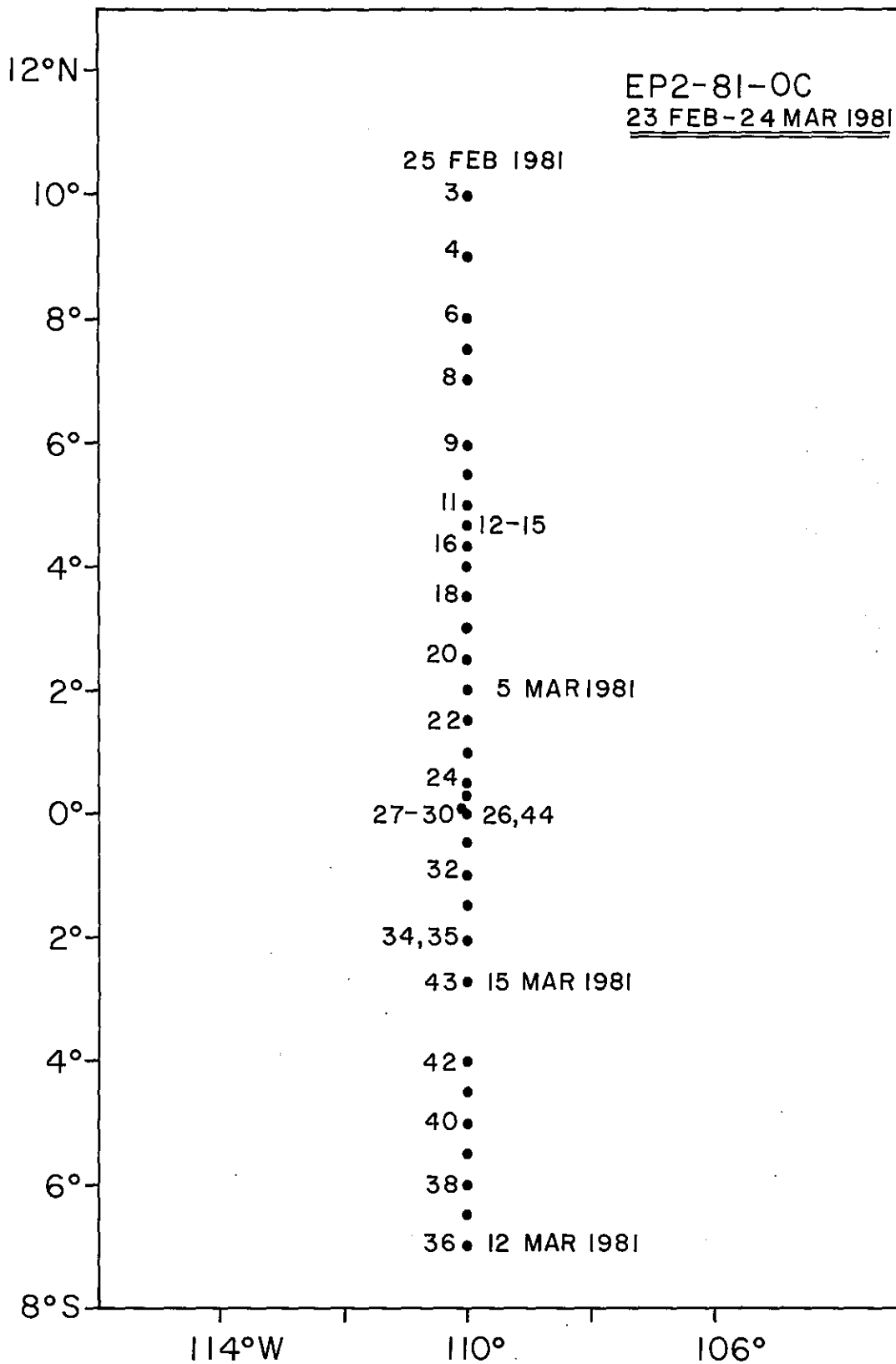


Figure 6. CTD/O₂ stations occupied during EP2-81-OC.

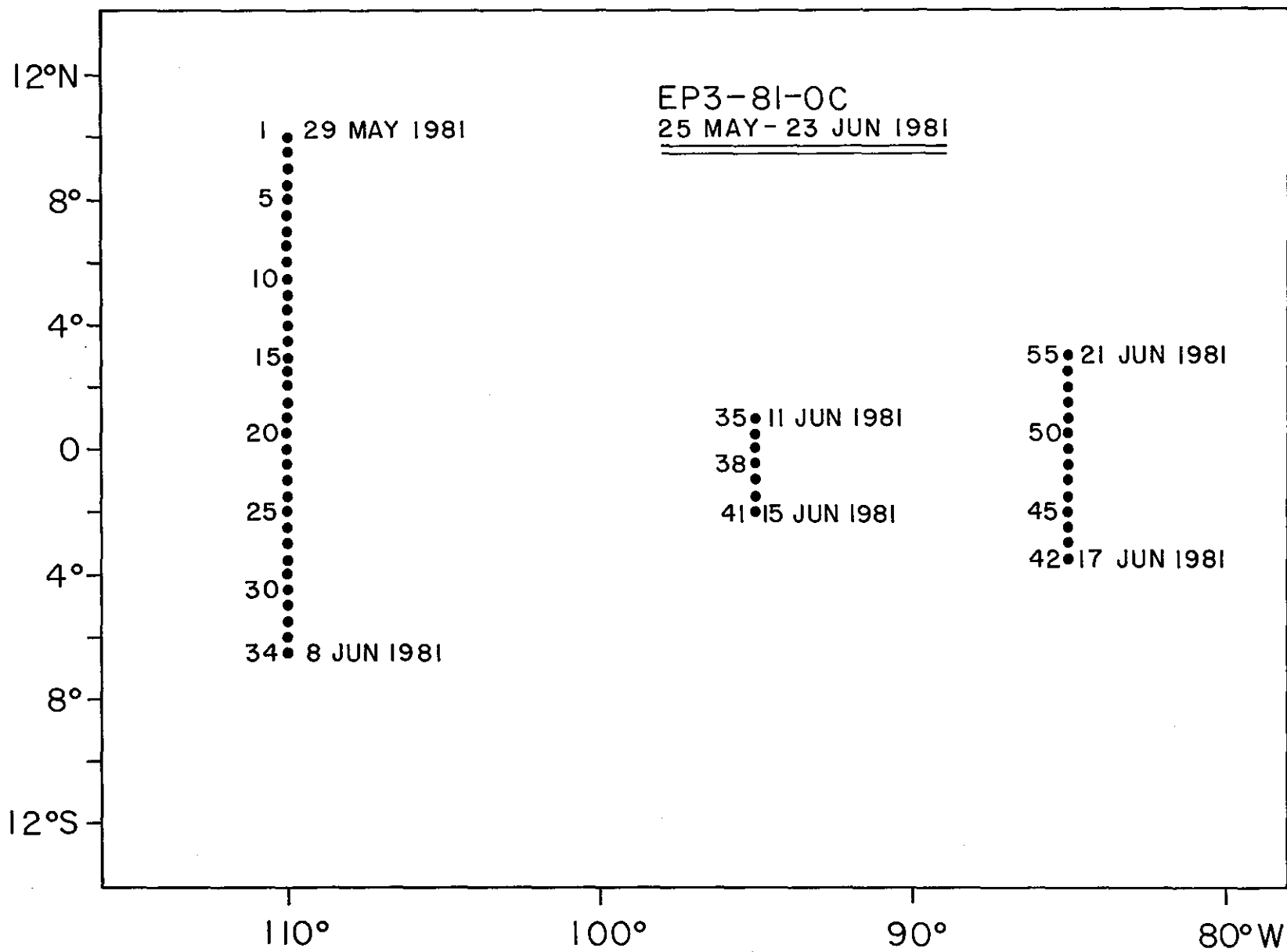


Figure 7. CTD/O₂ stations occupied during EP3-81-OC.

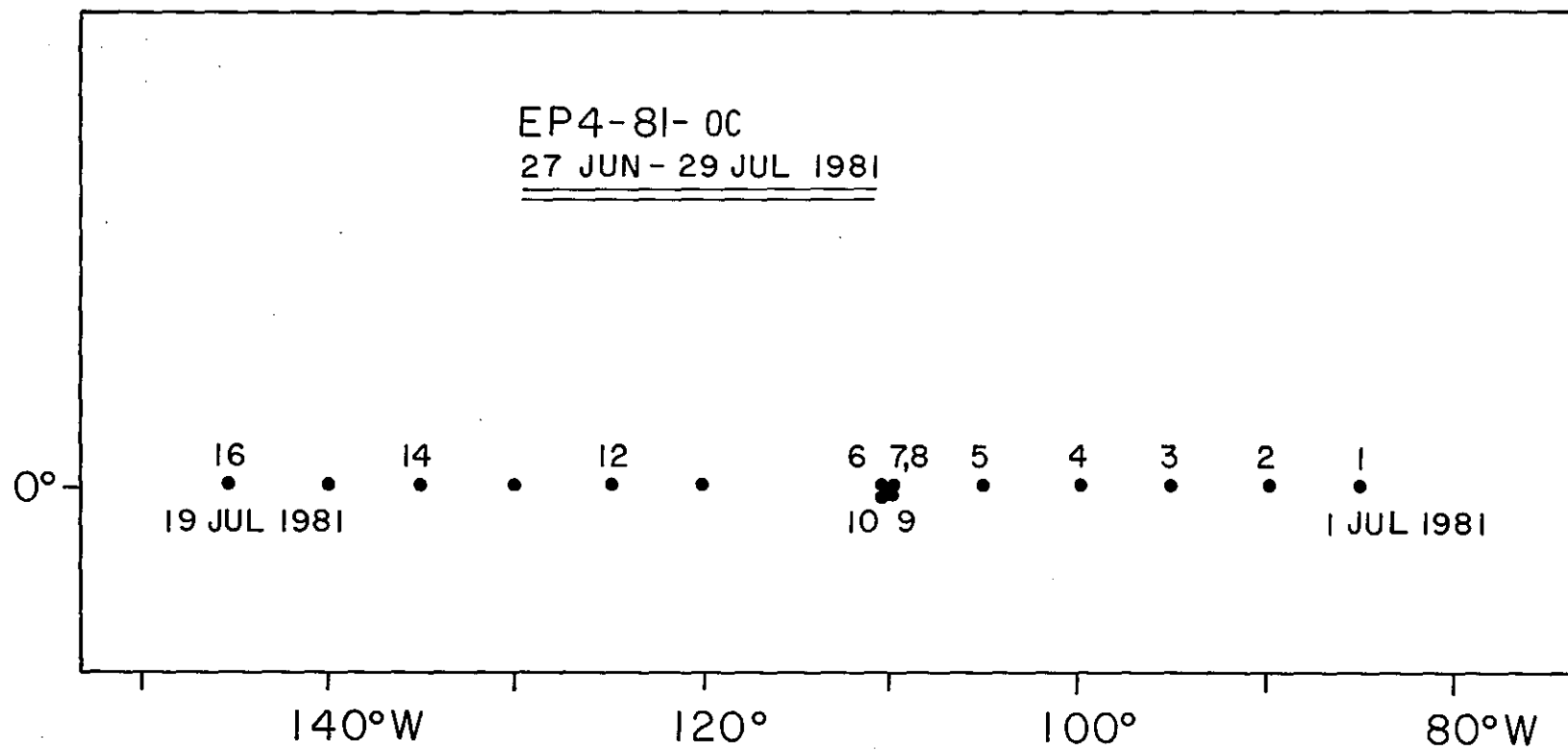


Figure 8. CTD/O₂ stations occupied during EP4-81-0C.

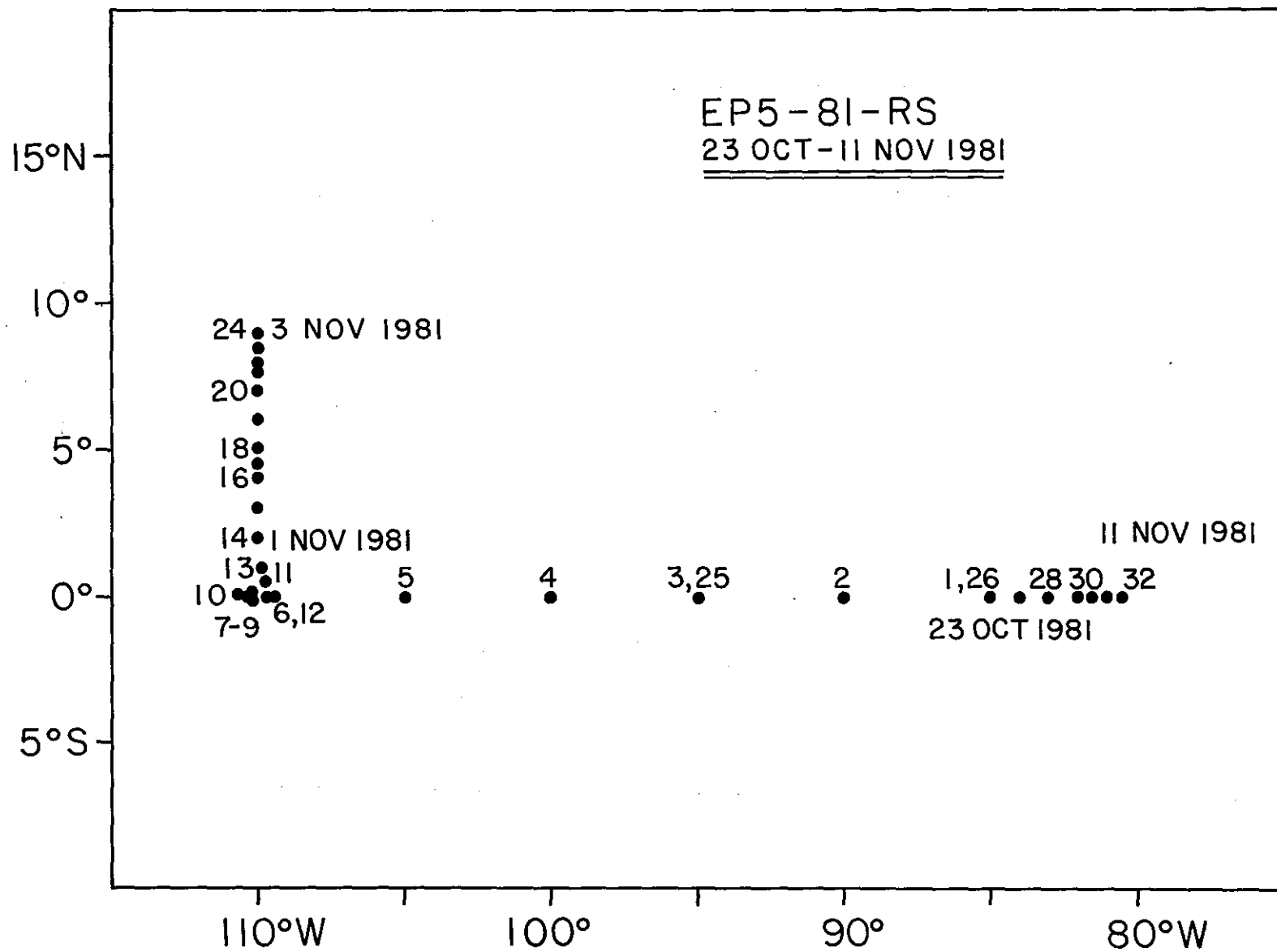


Figure 9. CTD/O₂ stations occupied during EP5-81-RS.

TEMPERATURE (°C)
110°W

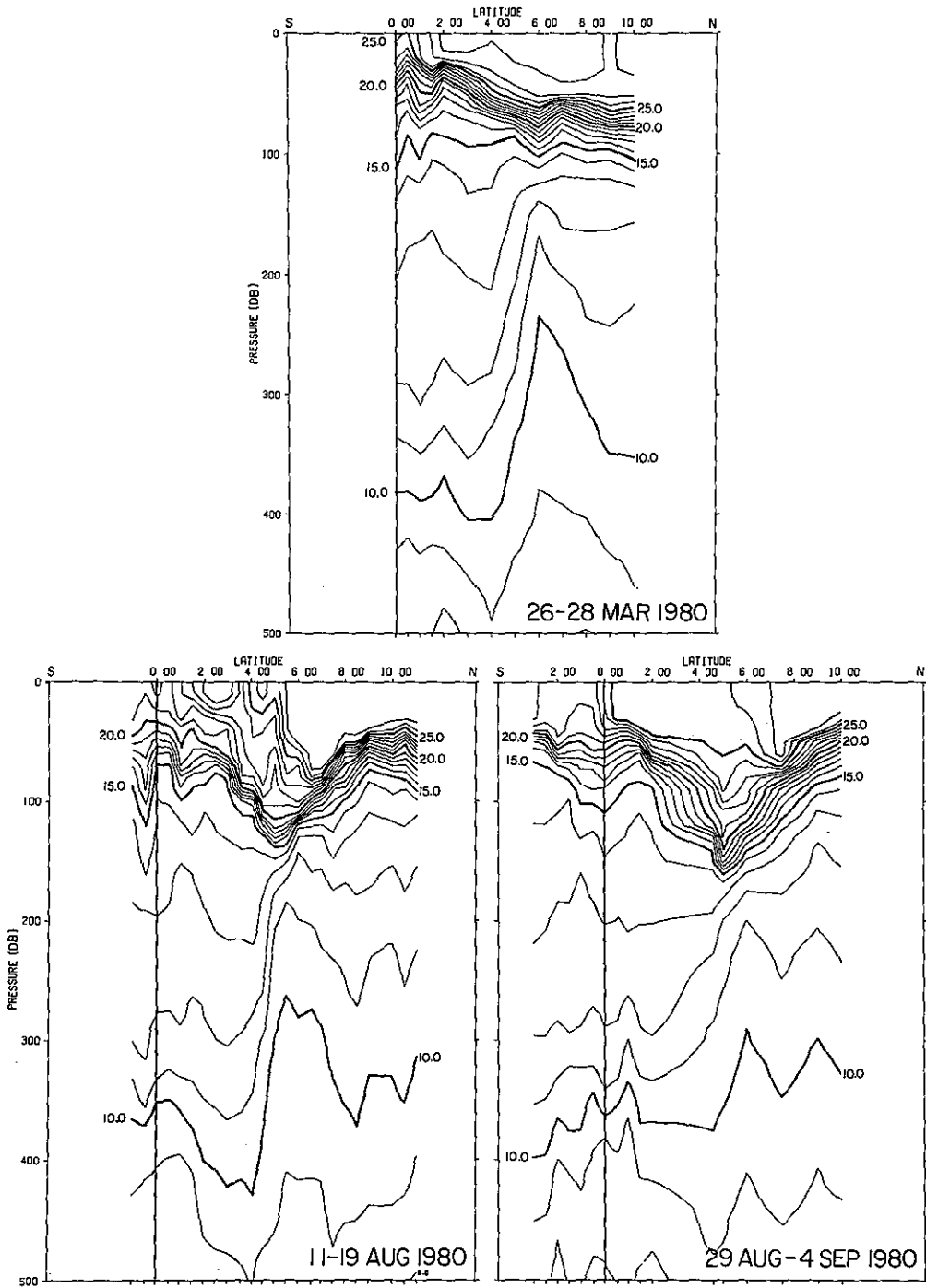


Figure 10. Temperature (°C) sections along 110°W in 1980.

TEMPERATURE (°C)
110°W

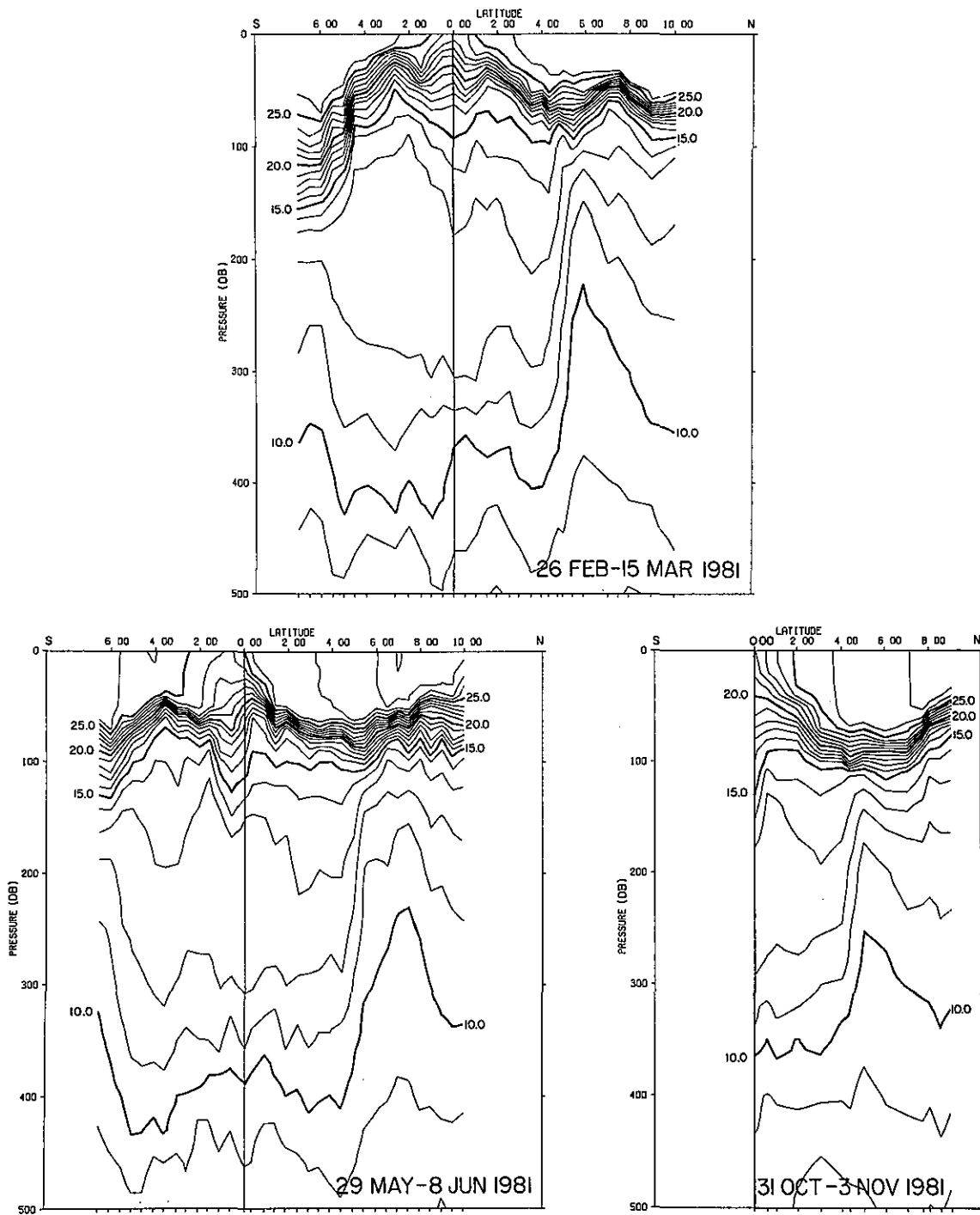


Figure 11. Temperature (°C) sections along 110°W in 1981.

SALINITY (‰)
110°W

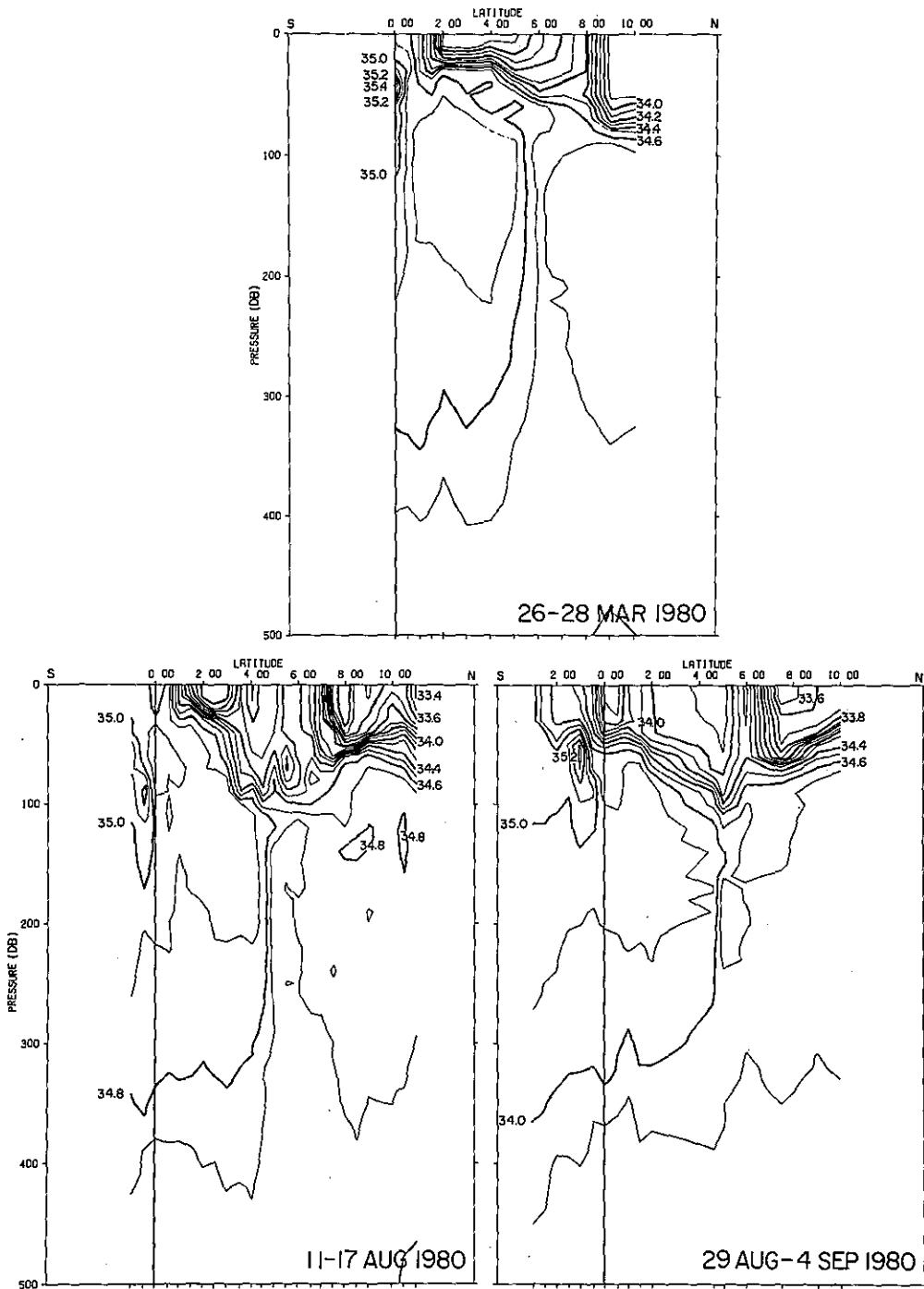


Figure 12. Salinity (‰) sections along 110°W in 1980.

SALINITY (‰)
110°W

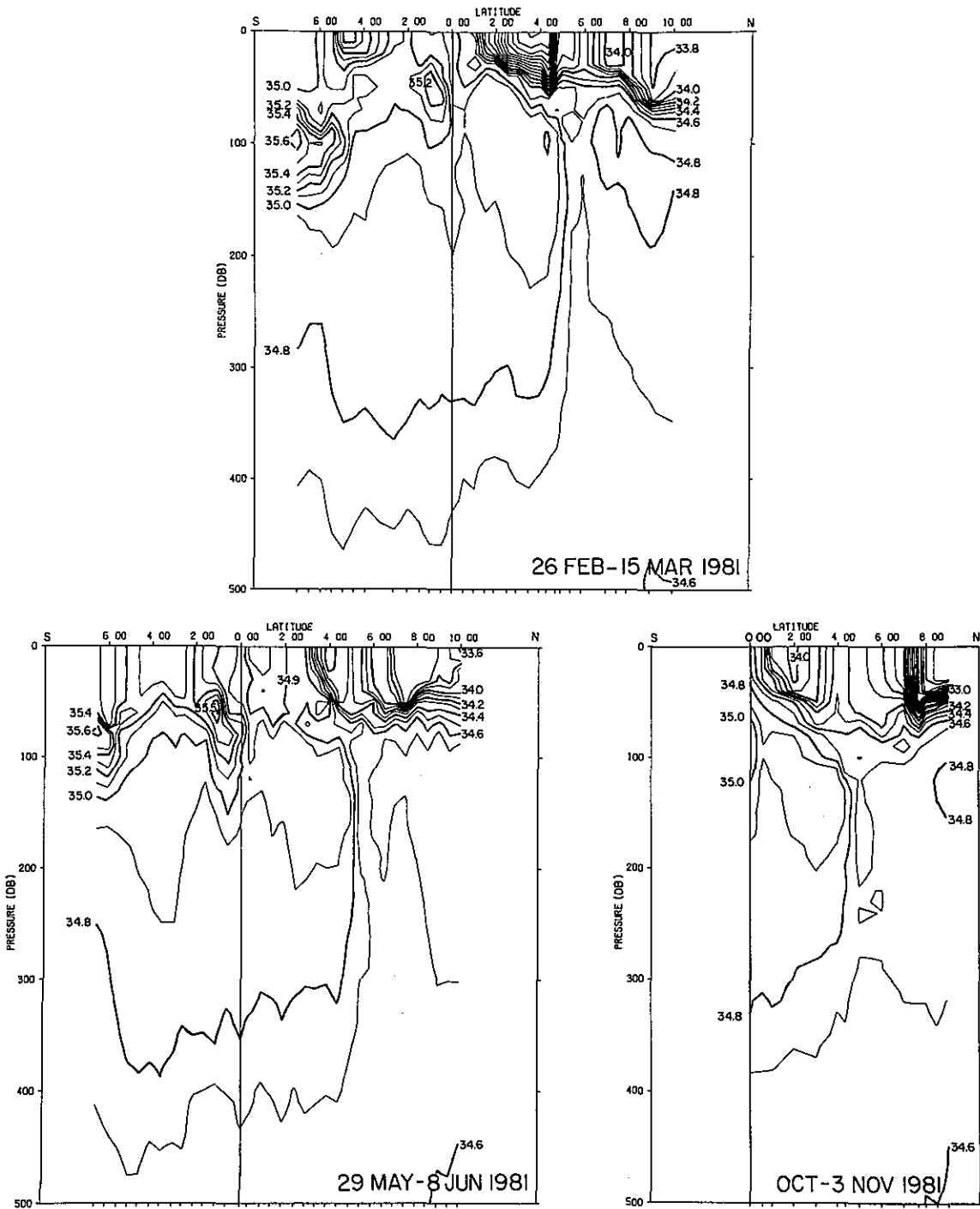


Figure 13. Salinity (‰) sections along 110°W in 1981.

SIGMA-T
110°W

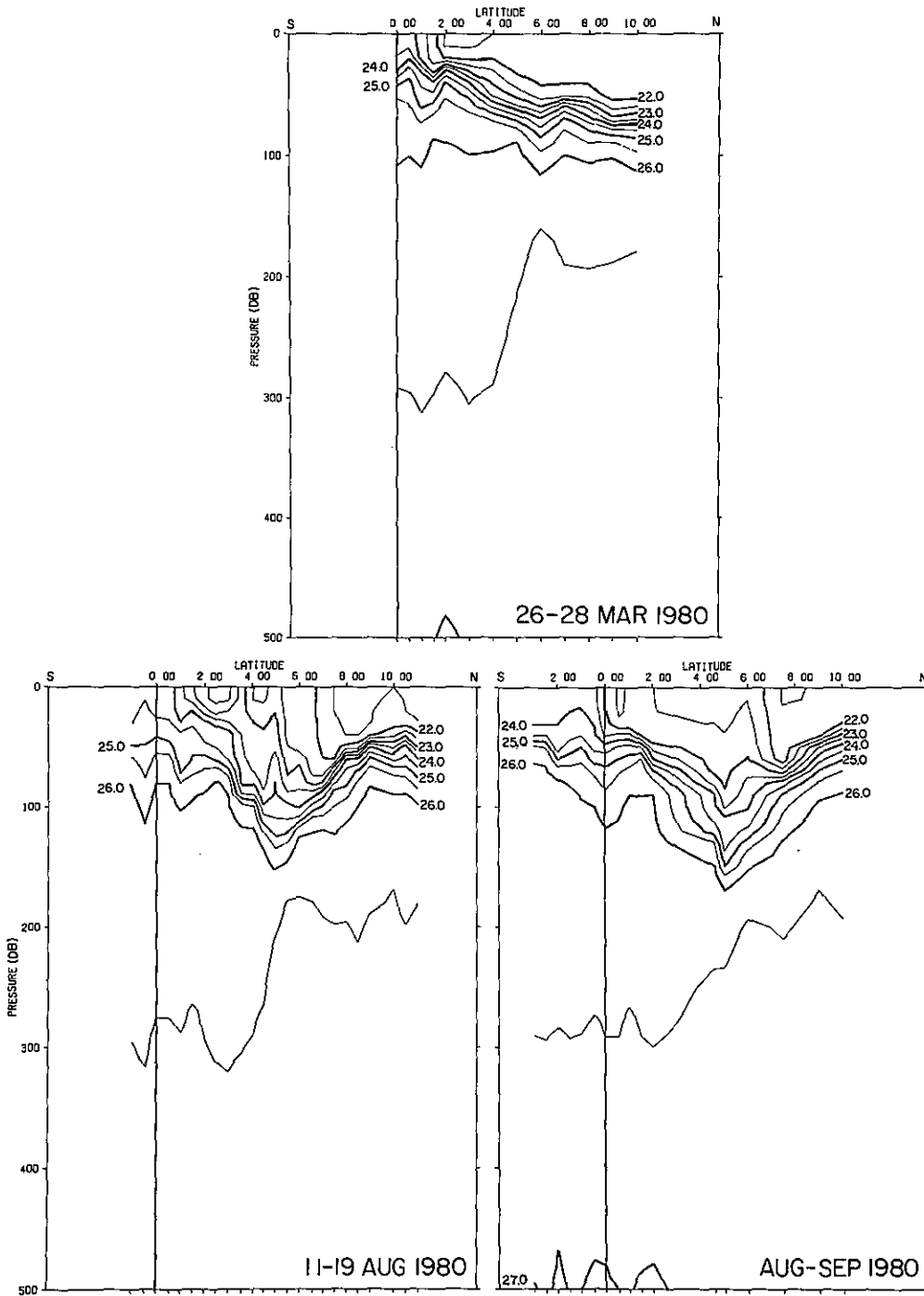


Figure 14. Sigma-T sections along 110°W in 1980.

SIGMA-T
110°W

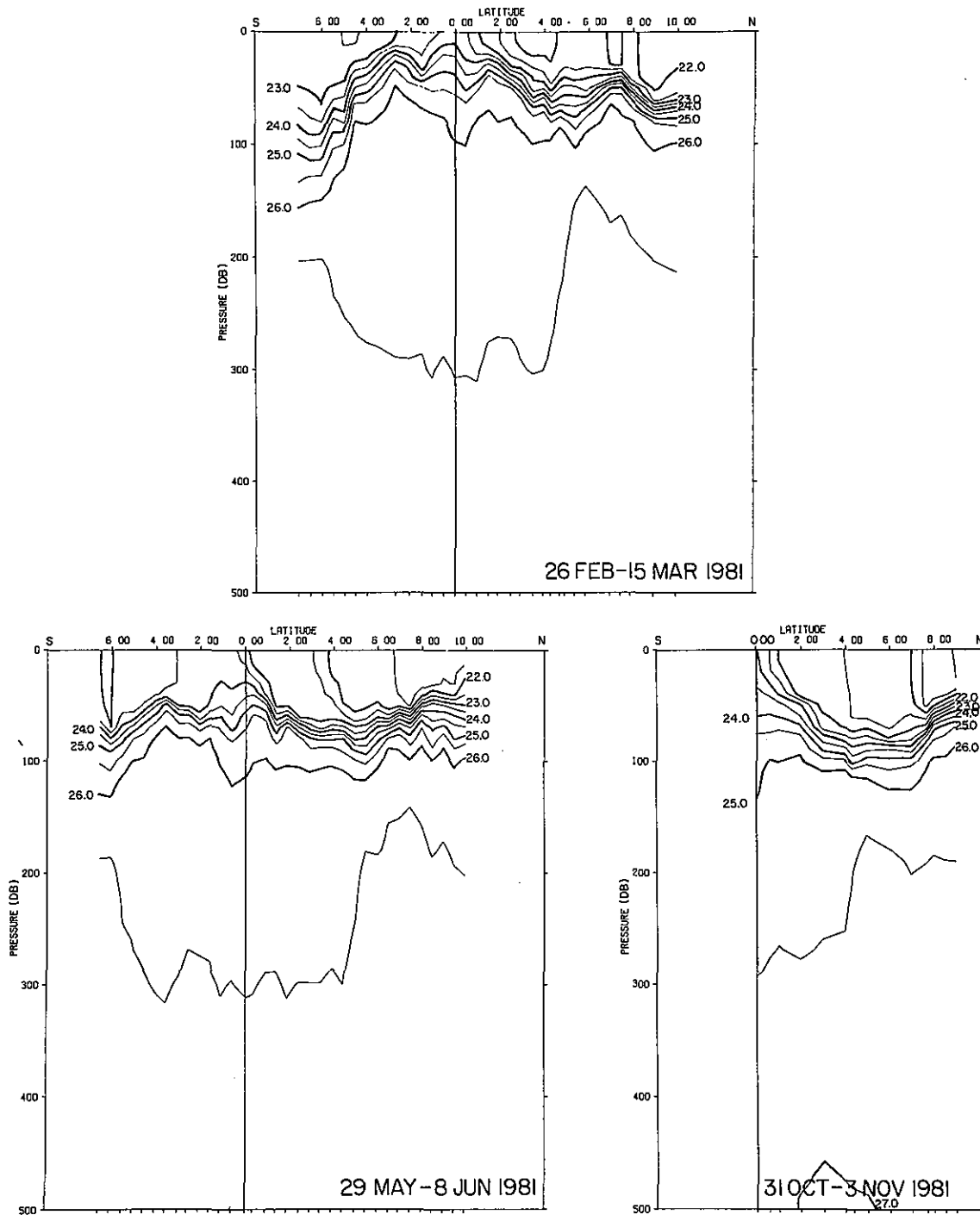


Figure 15. Sigma-T sections along 110°W in 1981.

OXYGEN (ml/l)
110°W

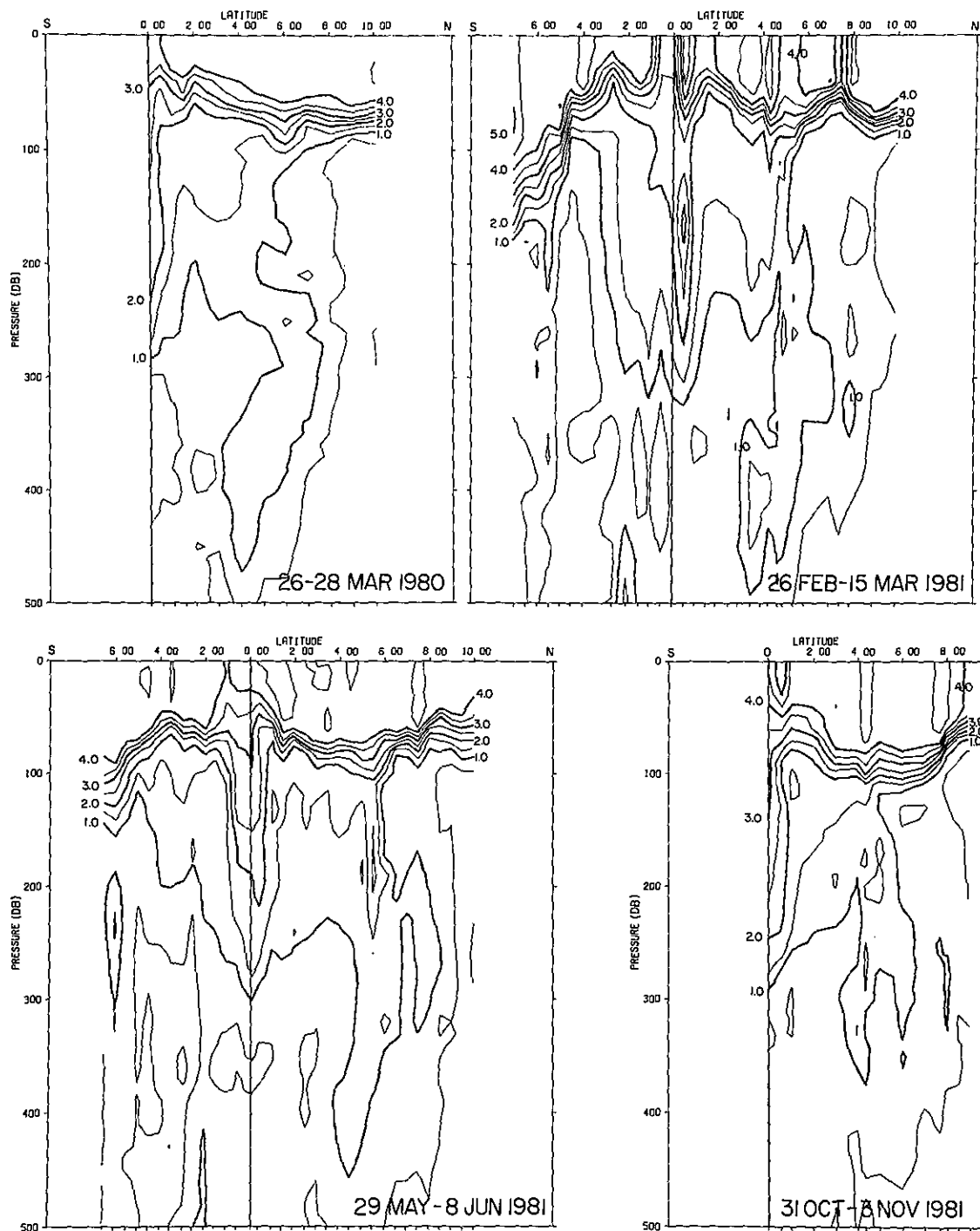


Figure 16. Oxygen sections along 110°W in 1980 and 1981.



TABLE 1

Abbreviations and Units Used to
Describe Each Set of CTD Measurements

SALINITY	Salinity, parts per thousand (o/oo)
TEMPERATURE	Temperature, degrees Celsius (°C)
CAST EP4-81-OC-007	CTD measurement station <u>007</u> made from the research vessel <i>OCEANOGRAPHER</i> during EP4-81
DATE	Day, month, year
TIME	Hours and minutes, Greenwich Mean Time (GMT)
LAT	Latitude, degrees and minutes north
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, duststorm, 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

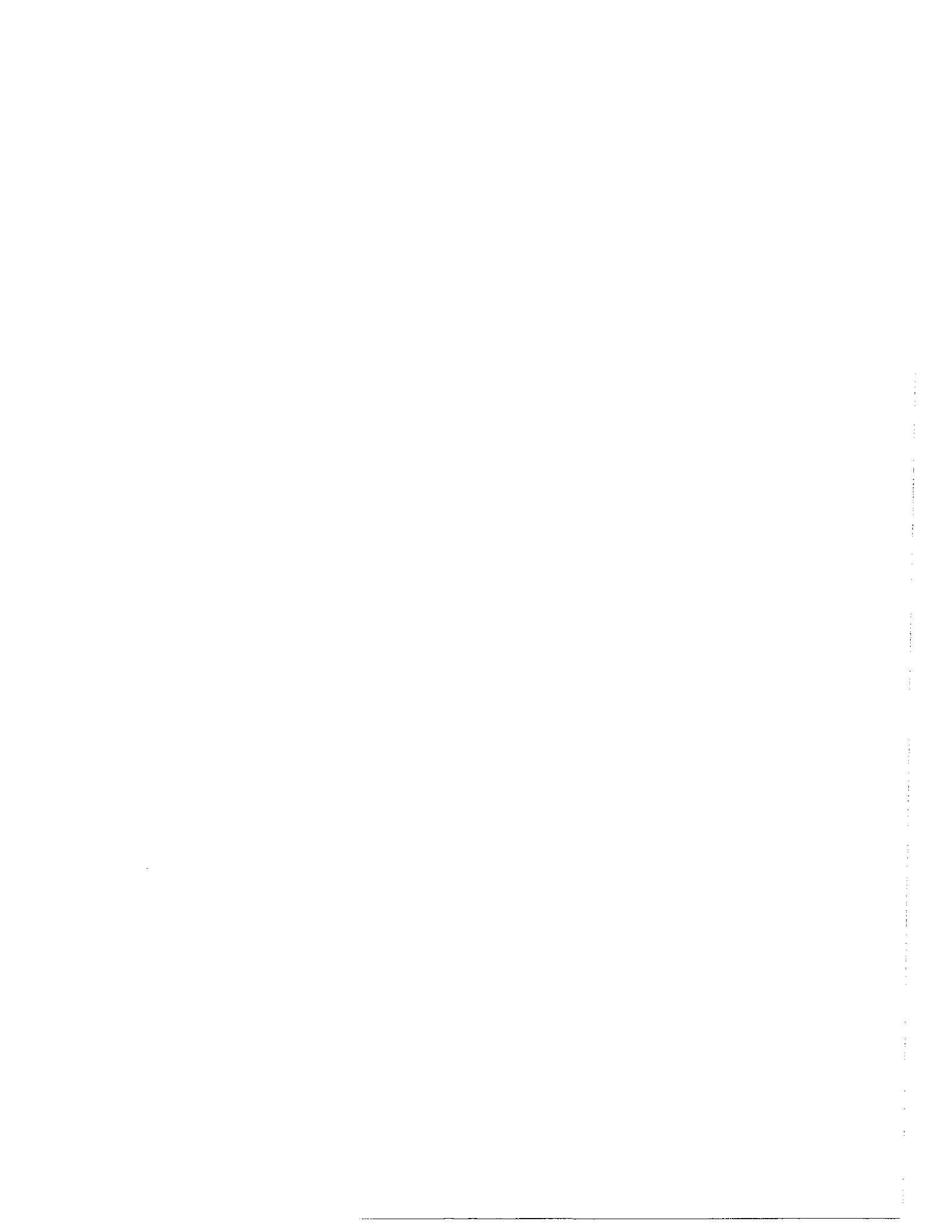
<u>Code</u>	<u>Cloud Types</u>
0	Cirrus
1	Cirrocumulus
2	Cirrostratus
3	Alto cumulus
4	Altostratus
5	Nimbostratus
6	Stratocumulus
7	Stratus
8	Cumulus
9	Cumulonimbus
x	Clouds not visible

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

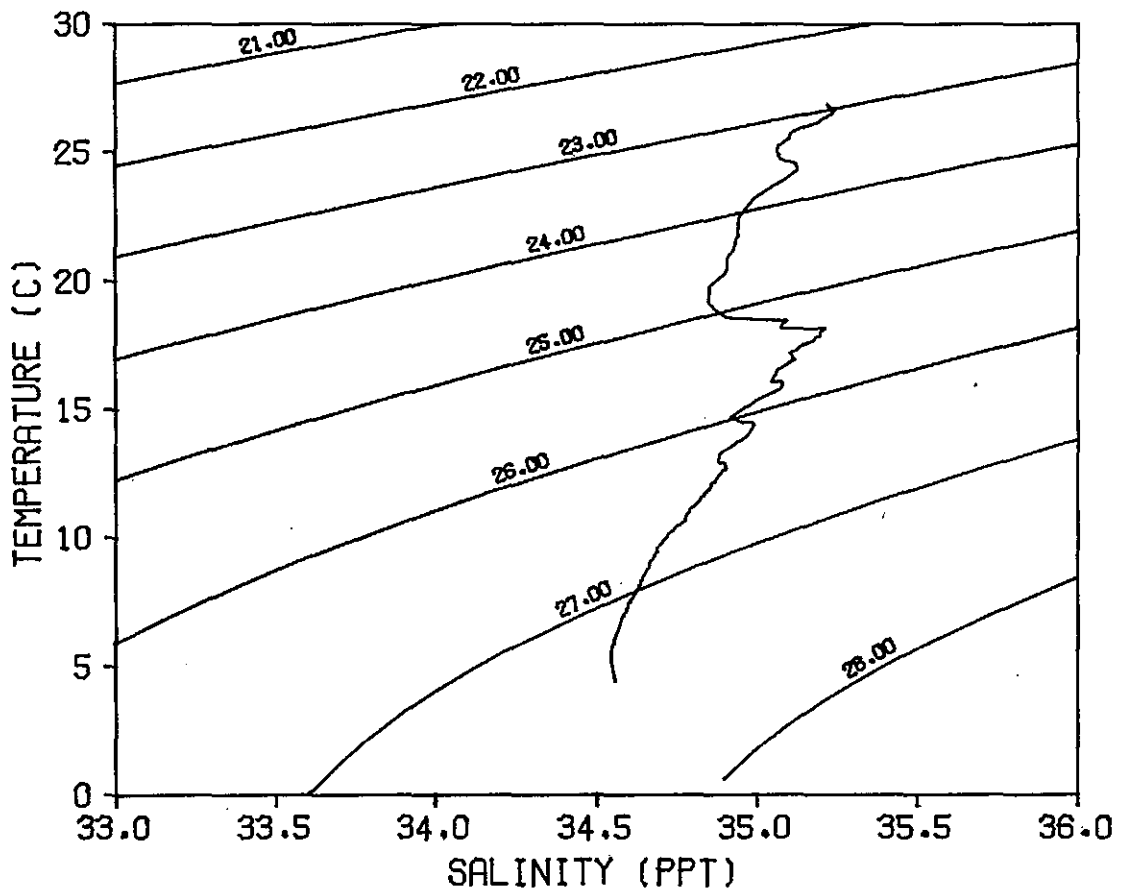


EP1-80-0C

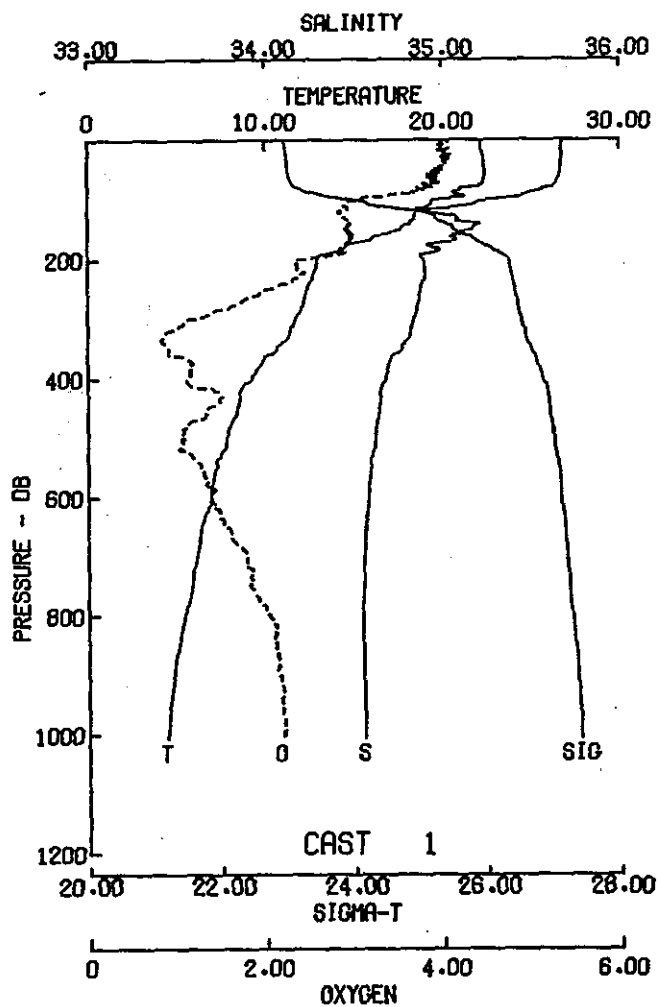
6 February - 12 March 1980

NBIS CTD/O₂ Data Summary

CAST EP1-80-0C-001 DATE 10 FEB 80 TIME 2110 GMT
LAT 00 42.2N LONG 153 07.6W

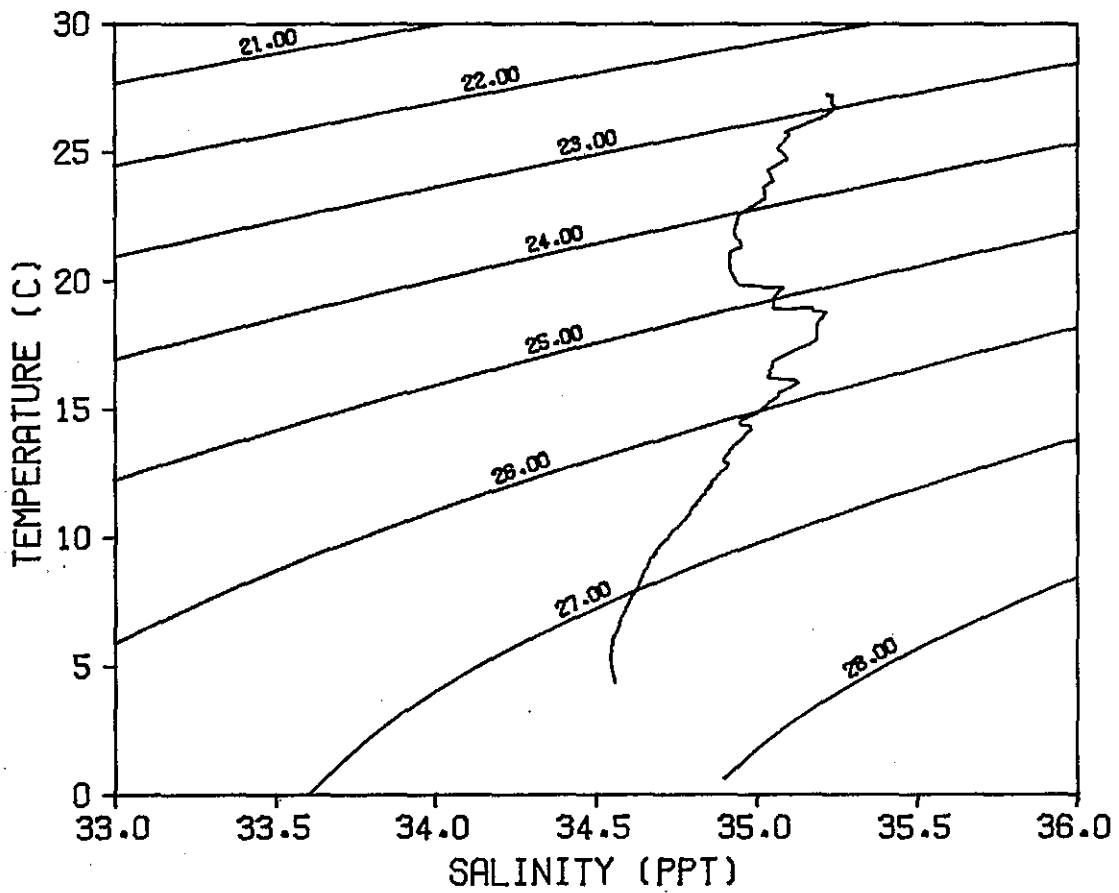


CAST EPI-80-0C-001 DATE 10 FEB 80 TIME 2110 GMT
 LAT 00 42.2N LONG 153 07.6W WEATHER 1 SEA STATE 4
 BAROMETER 10 WIND DIR 110 T SPD 08 KT VISIBILITY 8
 CLOUD 8 AMOUNT 4 DRY 27.1 WET 24.0 DEPTH M

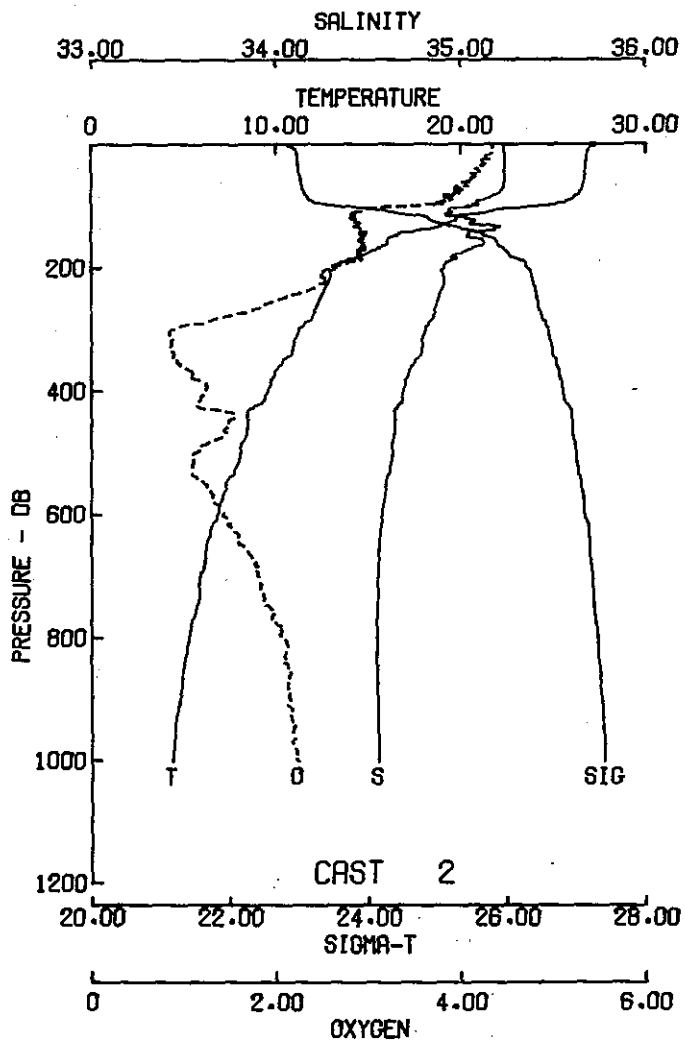


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.841	35.223	4.03	22.955	.000
10	26.782	35.225	3.95	22.975	.049
20	26.770	35.226	4.01	22.960	.098
30	26.739	35.234	4.03	22.996	.147
40	26.717	35.239	4.06	23.006	.196
50	26.696	35.242	3.91	23.015	.245
60	26.649	35.245	3.94	23.032	.294
70	26.535	35.239	3.91	23.064	.342
80	26.023	35.157	3.88	23.163	.390
90	24.985	35.062	3.64	23.411	.437
100	21.202	34.992	3.06	23.657	.480
110	21.568	34.931	3.89	24.304	.518
120	18.783	34.876	3.82	24.999	.551
130	18.452	35.082	3.90	25.239	.580
140	18.167	35.206	3.93	25.405	.607
150	17.652	35.170	3.90	25.564	.633
160	16.533	35.068	3.02	25.693	.657
170	15.714	35.066	2.95	25.880	.680
180	14.555	34.941	2.87	26.040	.701
190	13.726	34.941	2.89	26.216	.720
200	12.923	34.891	2.89	26.342	.738
250	11.394	34.881	2.03	26.438	.823
300	11.721	34.840	1.14	26.536	.905
350	10.677	34.774	.92	26.676	.981
400	9.245	34.679	1.12	26.846	1.050
450	8.419	34.642	1.36	26.949	1.111
500	7.830	34.619	1.08	27.020	1.169
550	7.258	34.594	1.27	27.083	1.225
600	6.939	34.582	1.39	27.119	1.277
650	6.397	34.564	1.28	27.178	1.328
700	6.126	34.557	1.79	27.207	1.377
750	5.838	34.552	1.83	27.240	1.425
800	5.399	34.546	2.05	27.269	1.471
850	5.072	34.548	2.12	27.330	1.515
900	4.811	34.550	2.16	27.362	1.556
950	4.588	34.554	2.17	27.390	1.597
1000	4.461	34.556	2.21	27.403	1.636
1006	4.445	34.557	2.18	27.408	

CAST EP1-80-0C-002 DATE 12 FEB 80 TIME 0025 GMT
LAT 00 37.9N LONG 153 01.1W

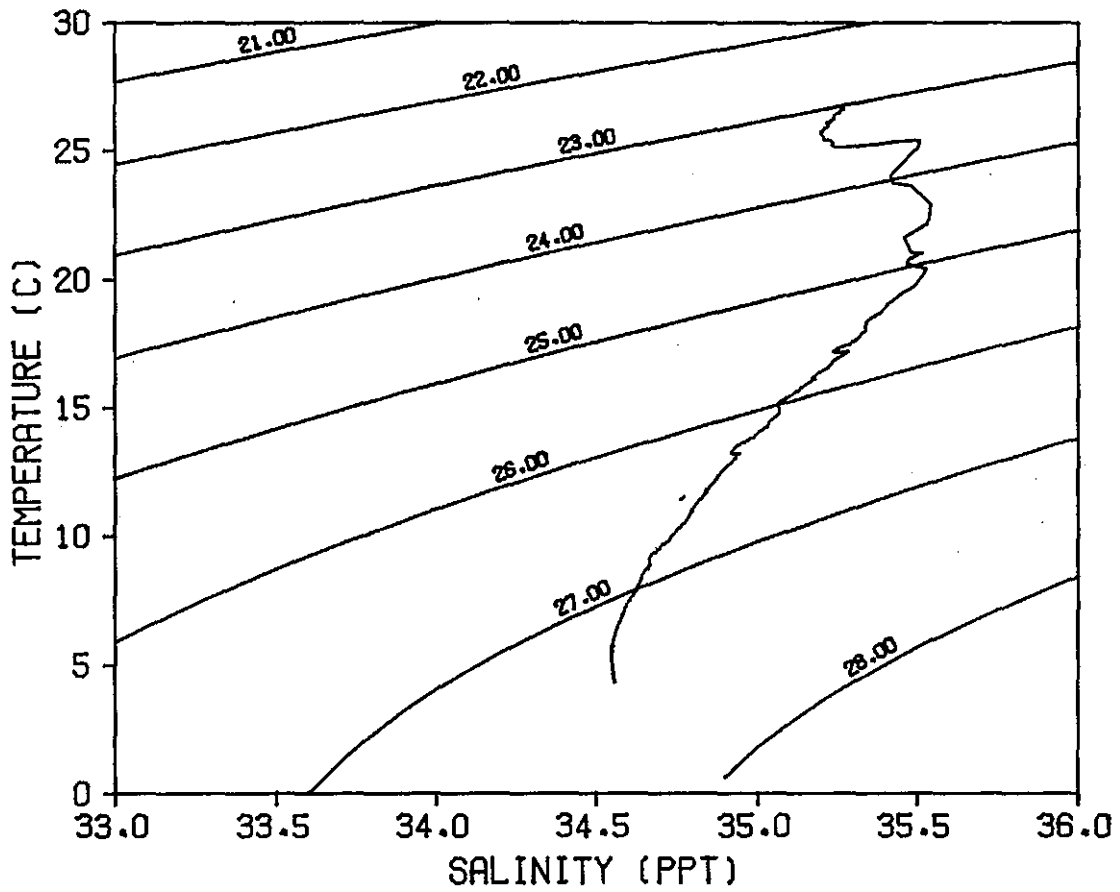


CAST EP1-80-0C-002 DATE 12 FEB 80 TIME 0025 GMT
 LAT 00 37.9N LONG 153 01.1W WEATHER 1 SEA STATE 3
 BAROMETER 16 WIND DIR 090 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 5 DRY 27.1 WET 23.3 DEPTH M

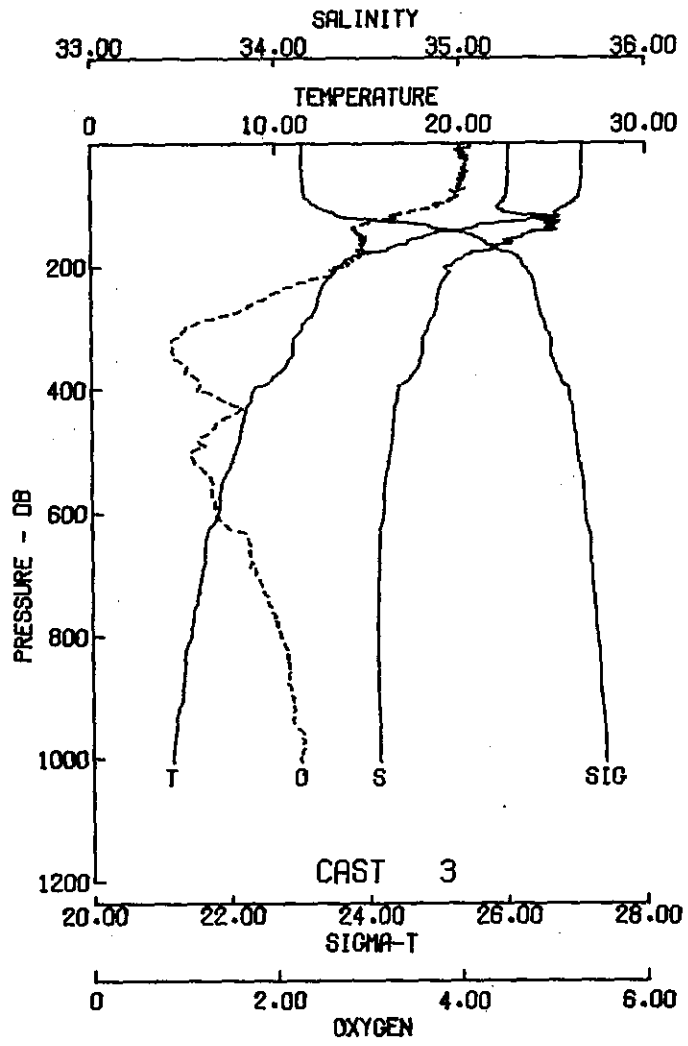


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-0 (DYN-M)
0	27.247	35.221	4.31	22.823	.000
10	26.882	35.234	4.34	22.950	.050
20	26.815	35.239	4.27	22.975	.099
30	26.786	35.241	4.28	22.986	.148
40	26.763	35.241	4.15	22.993	.197
50	26.720	35.240	4.17	23.006	.246
60	26.663	35.238	4.10	23.023	.295
70	26.593	35.234	4.02	23.042	.343
80	26.426	35.213	3.99	23.079	.392
90	26.038	35.143	3.89	23.148	.440
100	24.705	35.095	3.49	23.521	.486
110	21.678	35.934	2.93	24.275	.526
120	19.754	35.017	2.81	24.857	.560
130	18.912	35.051	2.90	25.100	.591
140	17.732	35.187	2.93	25.498	.619
150	16.402	35.040	2.95	25.703	.643
160	16.017	35.123	2.94	25.856	.663
170	15.410	35.057	2.91	25.942	.687
180	14.737	35.978	2.88	26.029	.708
190	13.665	35.938	2.85	26.226	.727
200	13.263	35.913	2.60	26.290	.745
250	12.405	35.880	2.08	26.435	.831
300	11.264	35.911	1.90	26.598	.912
350	10.428	35.756	1.94	26.706	.986
400	9.568	35.689	1.24	26.801	1.059
450	8.468	35.644	1.50	26.942	1.118
500	8.070	35.629	1.14	26.992	1.178
550	7.320	35.595	1.22	27.075	1.234
600	6.907	35.578	1.44	27.120	1.288
650	6.241	35.558	1.63	27.194	1.338
700	5.887	35.532	1.80	27.234	1.386
750	5.703	35.547	1.92	27.253	1.433
800	5.286	35.544	2.07	27.302	1.478
850	4.988	35.547	2.14	27.339	1.521
900	4.789	35.549	2.15	27.364	1.562
950	4.537	35.555	2.20	27.396	1.602
1000	4.403	35.556	2.22	27.412	1.641
1002	4.394	35.556	2.24	27.413	1.641

CAST EP1-80-0C-003 DATE 12 FEB 80 TIME 1656 GMT
LAT 00 01.4N LONG 152 12.4W



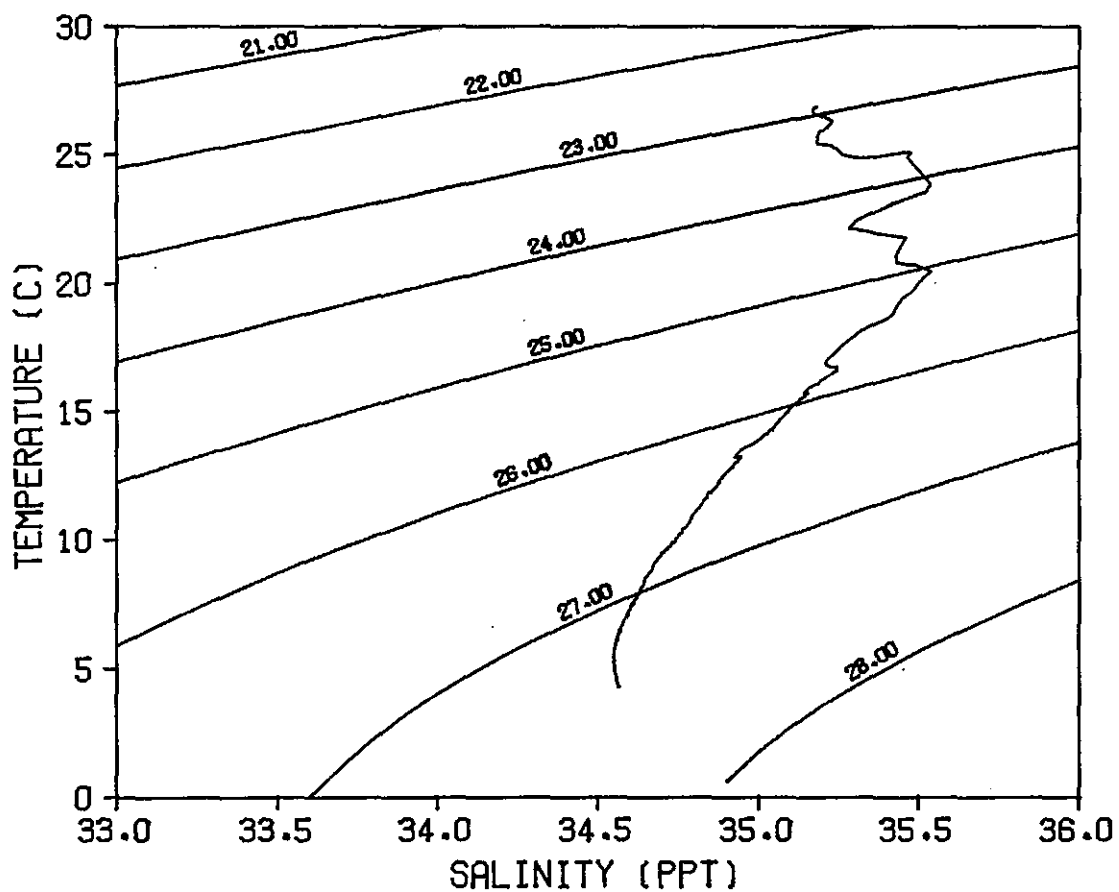
CAST EP1-80-DC-003 DATE 12 FEB 80 TIME 1656 GMT
 LAT 00 01.4N LONG 152 12.4W WEATHER 1 SEA STATE 4
 BAROMETER 17 WIND DIR 111 T SPD 15 KT VISIBILITY 7
 CLOUD 7 AMOUNT 2 DRY 25.6 WET 23.7 DEPTH M



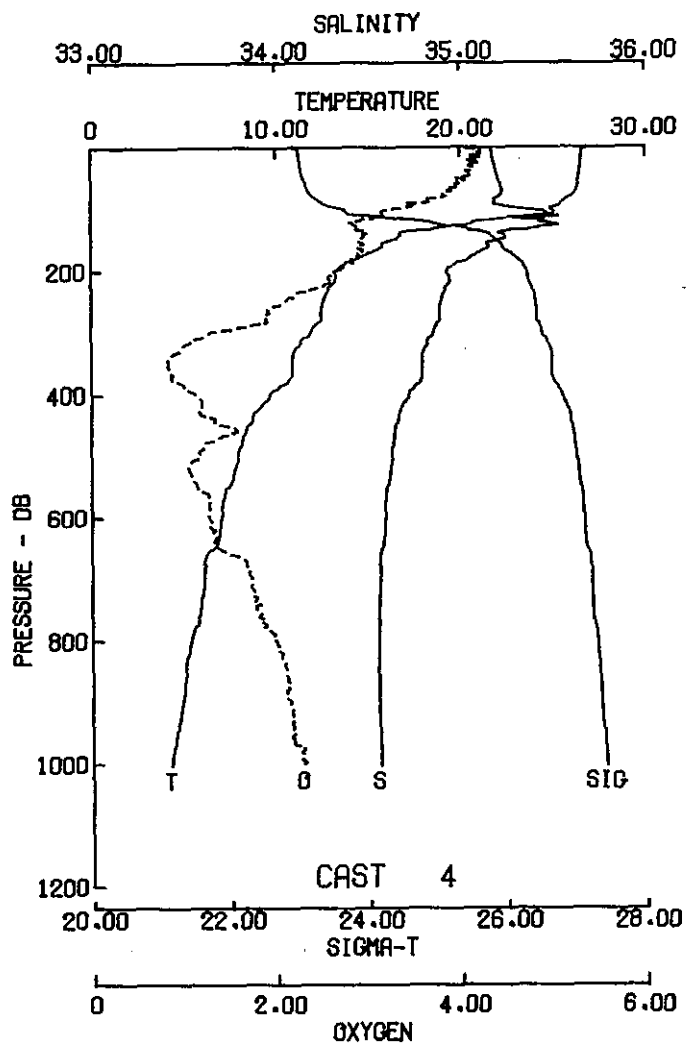
PRES (DB)	TEMP (C)	SAL (PPT)	DOY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.630	35.268	3.98	23.056	.000
10	26.636	35.267	3.96	23.054	.048
20	26.633	35.266	4.08	23.053	.097
30	26.628	35.265	4.08	23.054	.145
40	26.627	35.265	4.07	23.054	.193
50	26.628	35.264	4.02	23.054	.242
60	26.587	35.261	4.03	23.064	.290
70	26.566	35.259	3.98	23.069	.338
80	26.500	35.255	3.96	23.087	.387
90	26.378	35.246	3.93	23.119	.435
100	25.912	35.218	3.69	23.244	.482
110	25.336	35.234	3.49	23.434	.528
120	25.368	35.308	3.28	23.624	.573
130	22.123	35.529	3.03	24.602	.611
140	20.391	35.530	2.84	25.079	.643
150	18.130	35.338	2.96	25.515	.670
160	17.153	35.249	3.00	25.686	.694
170	16.219	35.177	3.98	25.850	.717
180	14.747	35.068	3.93	26.097	.738
190	13.852	34.990	3.85	26.227	.757
200	13.558	34.944	3.78	26.253	.776
250	12.390	34.881	3.91	26.439	.862
300	11.479	34.823	4.04	26.572	.942
350	10.846	34.789	4.90	26.657	1.017
400	8.868	34.667	4.15	26.698	1.086
450	6.288	34.639	4.42	26.967	1.147
500	7.845	34.622	4.10	27.020	1.205
550	7.095	34.589	4.30	27.102	1.260
600	6.886	34.582	4.35	27.126	1.312
650	6.139	34.560	4.71	27.208	1.362
700	5.960	34.555	4.77	27.227	1.409
750	5.658	34.549	4.91	27.260	1.456
800	5.349	34.544	4.03	27.298	1.501
850	5.006	34.546	2.13	27.338	1.543
900	4.861	34.551	2.17	27.357	1.585
950	4.525	34.555	2.21	27.397	1.625
1000	4.368	34.557	2.26	27.416	1.664
1006	4.332	34.559	2.27	27.422	

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CAST EP1-80-0C-004 DATE 13 FEB 80 TIME 2332 GMT
LAT 00 01.4N LONG 152 01.0W

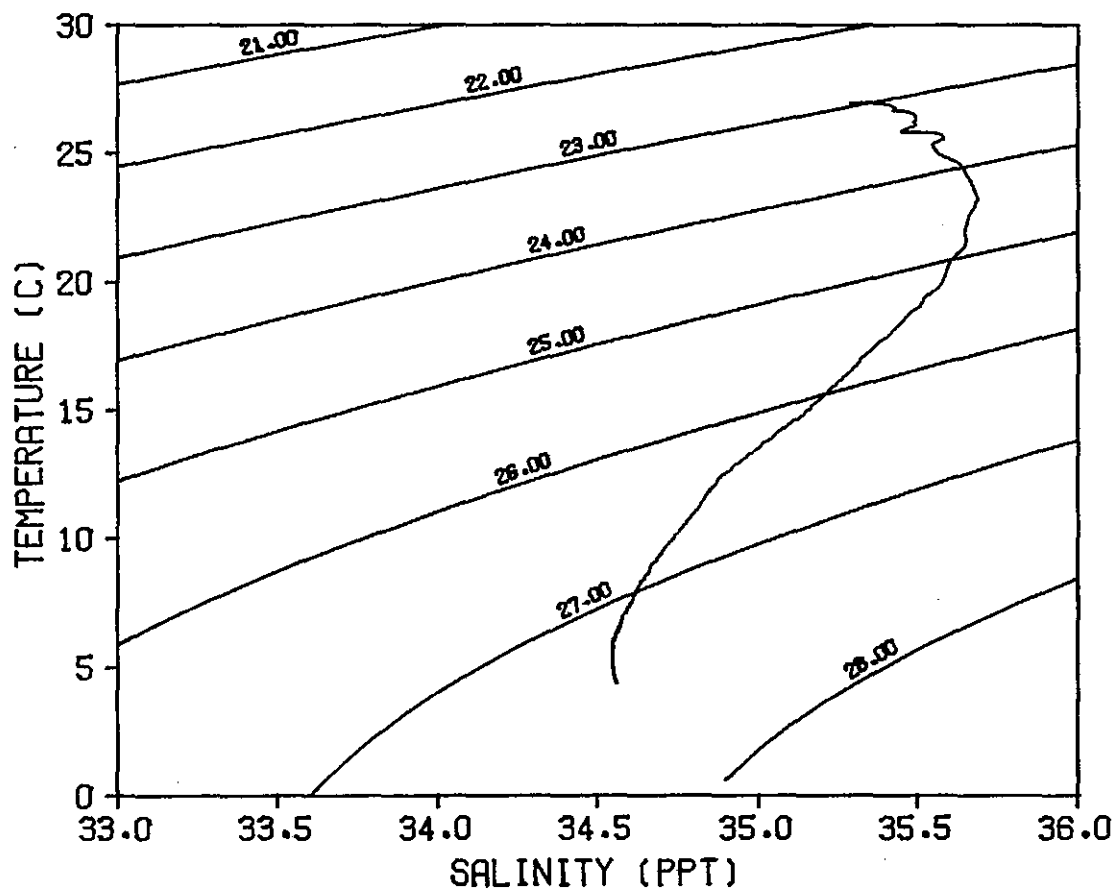


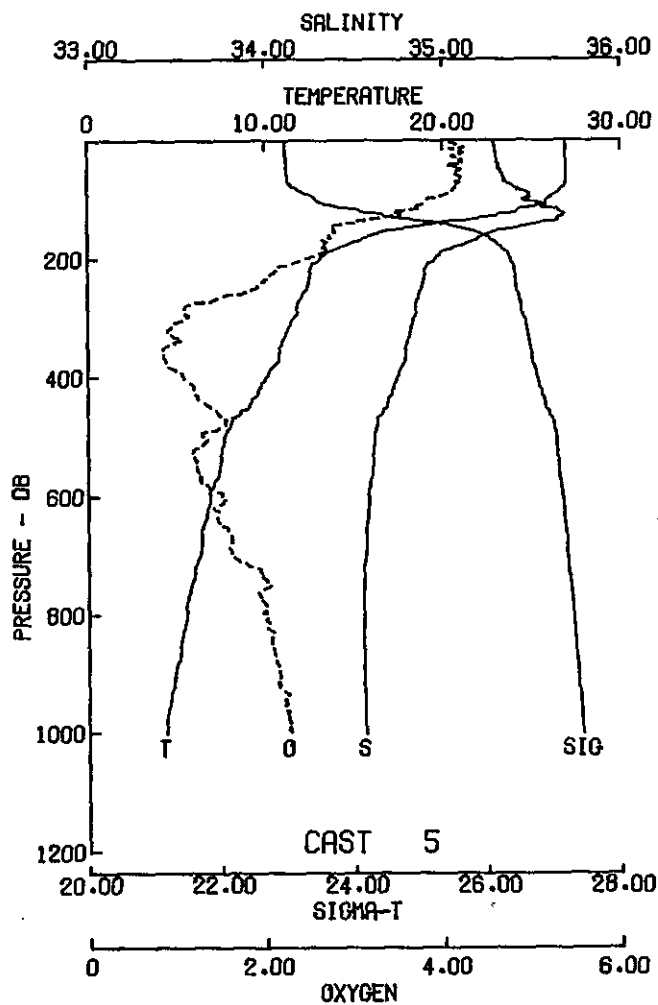
CAST EP1-80-0C-004 DATE 13 FEB 80 TIME 2332 GMT
 LAT 00 01.4N LONG 152 01.0W WEATHER 1 SEA STATE 3
 BAROMETER 17 WIND DIR 110 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 6 DRY 28.0 WET 24.0 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.865	35.178	4.17	22.913	.000
10	26.578	35.173	4.21	23.061	.049
20	26.563	35.179	4.21	23.010	.098
30	26.532	35.189	4.12	23.027	.146
40	26.503	35.197	4.07	23.042	.195
50	26.447	35.208	4.01	23.068	.243
60	26.386	35.217	4.00	23.093	.292
70	26.320	35.225	3.86	23.122	.340
80	26.044	35.209	3.64	23.195	.387
90	25.538	35.184	3.66	23.334	.434
100	24.876	35.320	3.29	23.639	.478
110	24.892	35.465	3.16	23.743	.521
120	21.095	35.429	2.90	24.812	.557
130	19.088	35.431	2.86	25.344	.587
140	16.745	35.221	2.99	25.761	.612
150	16.350	35.213	2.92	25.847	.635
160	15.763	35.155	2.90	25.937	.656
170	15.222	35.109	2.91	26.023	.677
180	14.551	35.056	2.89	26.134	.697
190	13.734	34.980	2.79	26.244	.716
200	13.301	34.930	2.65	26.295	.734
250	12.559	34.895	2.09	26.416	.821
300	11.918	34.856	1.31	26.511	.904
350	10.893	34.791	1.83	26.651	.980
400	9.706	34.722	1.14	26.804	1.052
450	8.526	34.648	1.43	26.937	1.115
500	7.958	34.628	1.17	27.008	1.174
550	7.476	34.604	1.14	27.060	1.230
600	7.029	34.589	1.26	27.111	1.283
650	6.645	34.576	1.37	27.154	1.335
700	6.074	34.560	1.72	27.217	1.384
750	5.886	34.555	1.79	27.237	1.431
800	5.370	34.551	1.98	27.297	1.477
850	5.077	34.550	2.10	27.331	1.520
900	4.885	34.553	2.14	27.356	1.562
950	4.531	34.559	2.16	27.400	1.603
1000	4.304	34.563	2.30	27.428	1.641
1003	4.281	34.563	2.30	27.431	

CAST EP1-80-0C-005 DATE 14 FEB 80 TIME 1700 GMT
LAT 00 38.7N LONG 153 05.0W

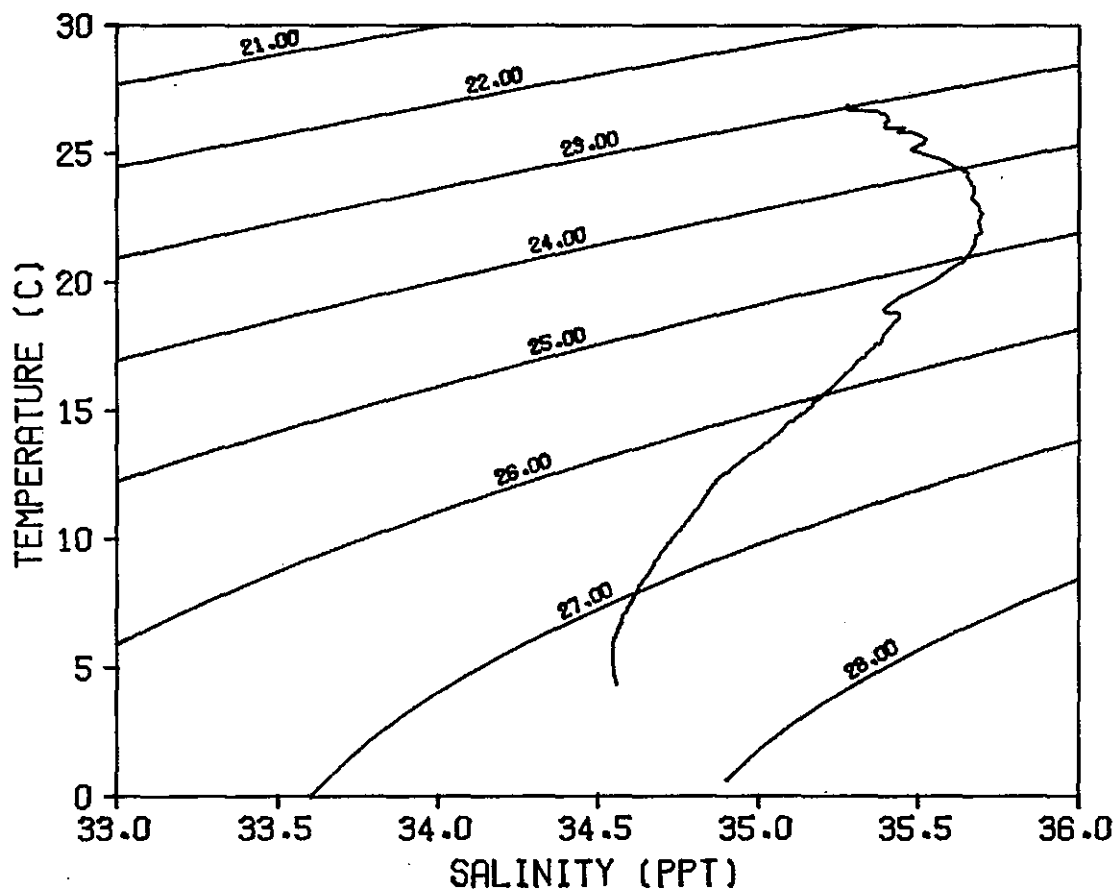




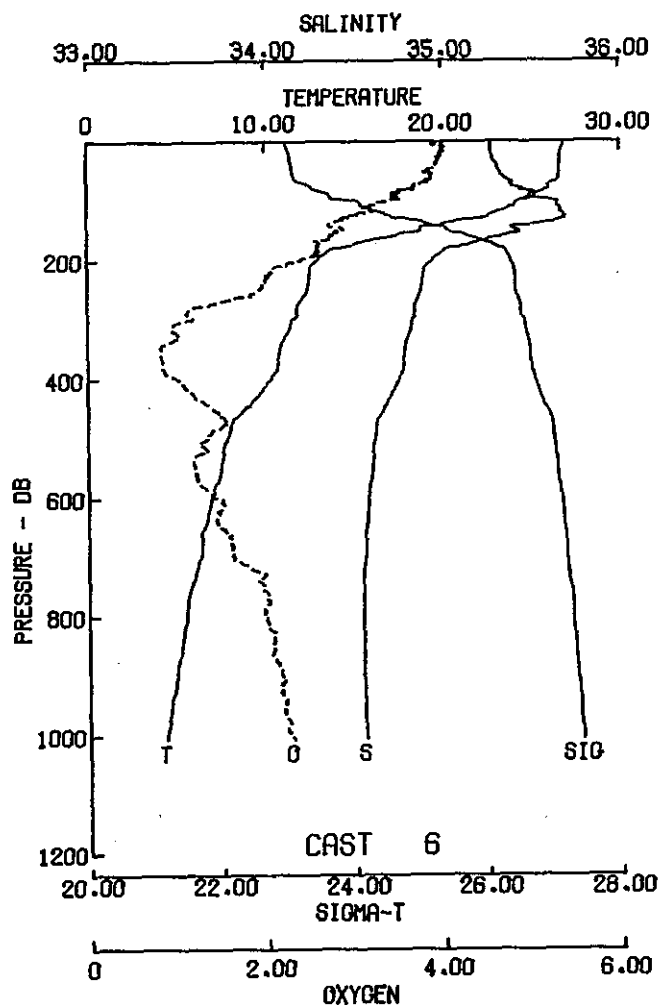
CAST EP1-80-0C-005 DATE 14 FEB 80 TIME 1700 GMT
 LAT 00 38.7N LONG 153 05.0W WEATHER 1 SEA STATE 3
 BAROMETER 19 WIND DIR 100 T SPD 14 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 DRY 25.7 WET 23.7 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.927	35.288	4.05	22.976	.000
10	26.946	35.296	4.19	22.978	.049
20	26.946	35.307	4.23	22.984	.098
30	26.945	35.306	4.17	22.984	.147
40	26.947	35.317	4.22	22.991	.196
50	26.960	35.326	4.19	22.994	.245
60	26.965	35.342	4.16	23.005	.294
70	26.955	35.357	4.15	23.019	.343
80	26.861	35.412	4.16	23.091	.391
90	26.468	35.489	4.06	23.267	.439
100	25.894	35.544	3.95	23.447	.484
110	25.457	35.577	3.74	23.648	.529
120	24.175	35.651	3.46	24.100	.569
130	22.986	35.663	3.34	24.573	.606
140	19.621	35.550	2.98	25.297	.637
150	17.664	35.377	2.75	25.660	.662
160	16.109	35.223	2.72	25.933	.684
170	15.182	35.168	2.67	26.076	.703
180	14.328	35.086	2.63	26.201	.724
190	13.416	34.987	2.67	26.316	.743
200	13.128	34.960	2.47	26.354	.760
250	12.367	34.880	1.84	26.443	.844
300	11.653	34.839	1.12	26.548	.924
350	10.878	34.793	.87	26.654	1.000
400	10.153	34.747	1.07	26.747	1.072
450	9.095	34.684	1.35	26.875	1.139
500	7.721	34.633	1.31	26.931	1.198
550	7.446	34.602	1.43	27.063	1.253
600	6.867	34.579	1.52	27.126	1.307
650	6.489	34.566	1.52	27.169	1.358
700	6.310	34.553	1.63	27.188	1.407
750	5.790	34.551	2.05	27.245	1.455
800	5.512	34.548	2.00	27.277	1.501
850	5.220	34.548	2.07	27.313	1.545
900	4.888	34.550	2.15	27.353	1.588
950	4.608	34.554	2.23	27.388	1.629
1000	4.361	34.559	2.27	27.419	1.666
1001	4.361	34.559	2.27	27.419	1.666

CAST EP1-80-0C-006 DATE 16 FEB 80 TIME 0116 GMT
LAT 00 43.1N LONG 153 04.5W

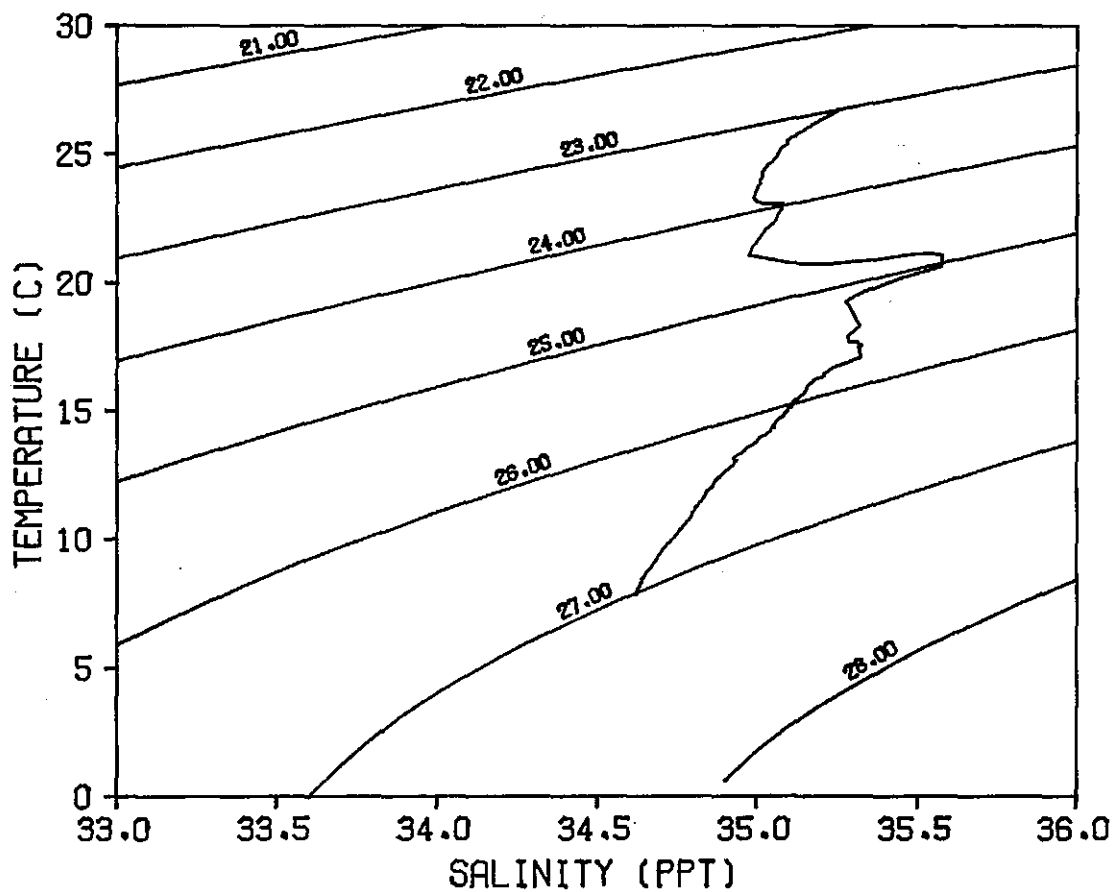


CAST EPI-80-0C-000 DATE 16 FEB 80 TIME 0116 GMT
 LAT 00 43.1N LONG 153 04.5W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 060 T SPD 19 KT VISIBILITY 8
 CLOUD 8 AMOUNT 6 DRY 27.8 WET 24.0 DEPTH M

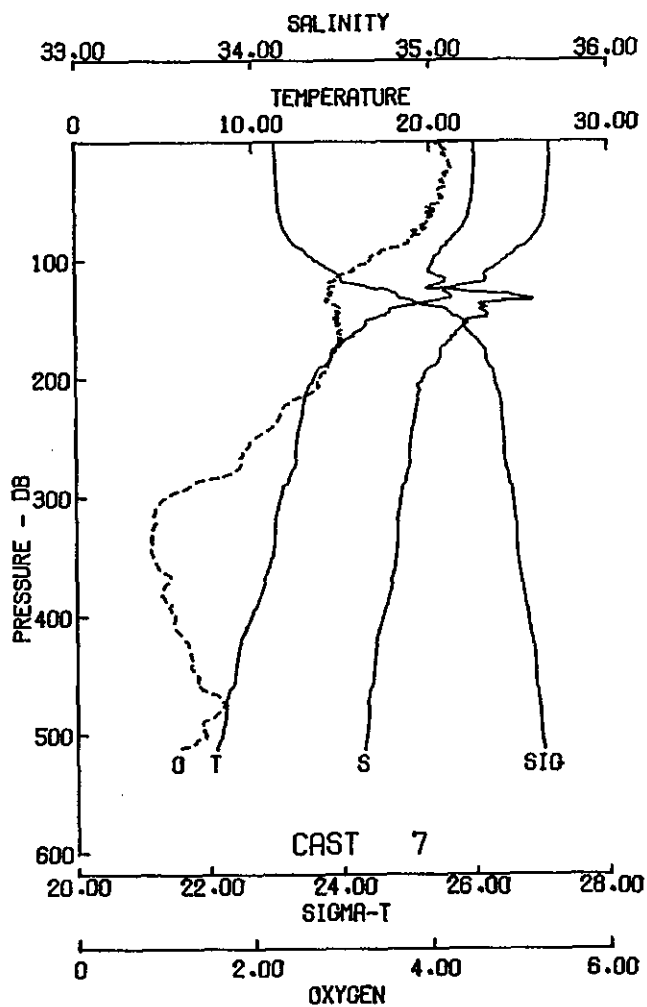


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.668	35.276	4.06	22.986	.000
1	26.867	35.276	4.09	22.986	
10	26.819	35.278	4.03	23.003	.049
20	26.694	35.260	3.98	23.043	.097
30	26.683	35.290	3.94	23.056	.146
40	26.665	35.316	3.92	23.081	.194
50	26.660	35.330	3.92	23.093	.242
60	26.641	35.356	3.89	23.118	.290
70	26.210	35.395	3.79	23.284	.337
80	25.951	35.453	3.69	23.409	.383
90	25.303	35.497	3.44	23.642	.427
100	24.315	35.641	3.40	24.050	.469
110	23.862	35.664	3.20	24.203	.507
120	22.999	35.684	3.08	24.470	.544
130	21.822	35.678	2.86	24.600	.578
140	19.905	35.523	2.72	25.202	.608
150	18.753	35.440	2.80	25.437	.634
160	17.106	35.336	2.73	25.763	.659
170	15.440	35.190	2.60	26.037	.680
180	13.692	35.040	2.59	26.257	.699
190	13.354	34.984	2.60	26.326	.717
200	12.991	34.946	2.36	26.370	.735
250	12.393	34.880	1.93	26.437	.818
300	11.505	34.828	1.14	26.567	.899
350	10.667	34.790	.62	26.655	.974
400	10.340	34.757	1.02	26.722	1.047
450	8.827	34.669	1.41	26.906	1.114
500	7.876	34.618	1.34	27.012	1.173
550	7.493	34.603	1.21	27.057	1.229
600	6.886	34.577	1.49	27.122	1.283
650	6.526	34.566	1.50	27.162	1.334
700	6.289	34.559	1.64	27.188	1.384
750	5.732	34.547	1.97	27.250	1.432
800	5.505	34.546	2.01	27.276	1.477
850	5.197	34.545	2.08	27.313	1.521
900	4.890	34.547	2.18	27.350	1.564
950	4.608	34.553	2.20	27.367	1.605
1000	4.326	34.557	2.26	27.421	1.644
1050	4.320	34.557	2.30	27.422	

CAST EP1-80-0C-007 DATE 16 FEB 80 TIME 0618 GMT
LAT 00 00.0N LONG 153 00.0W

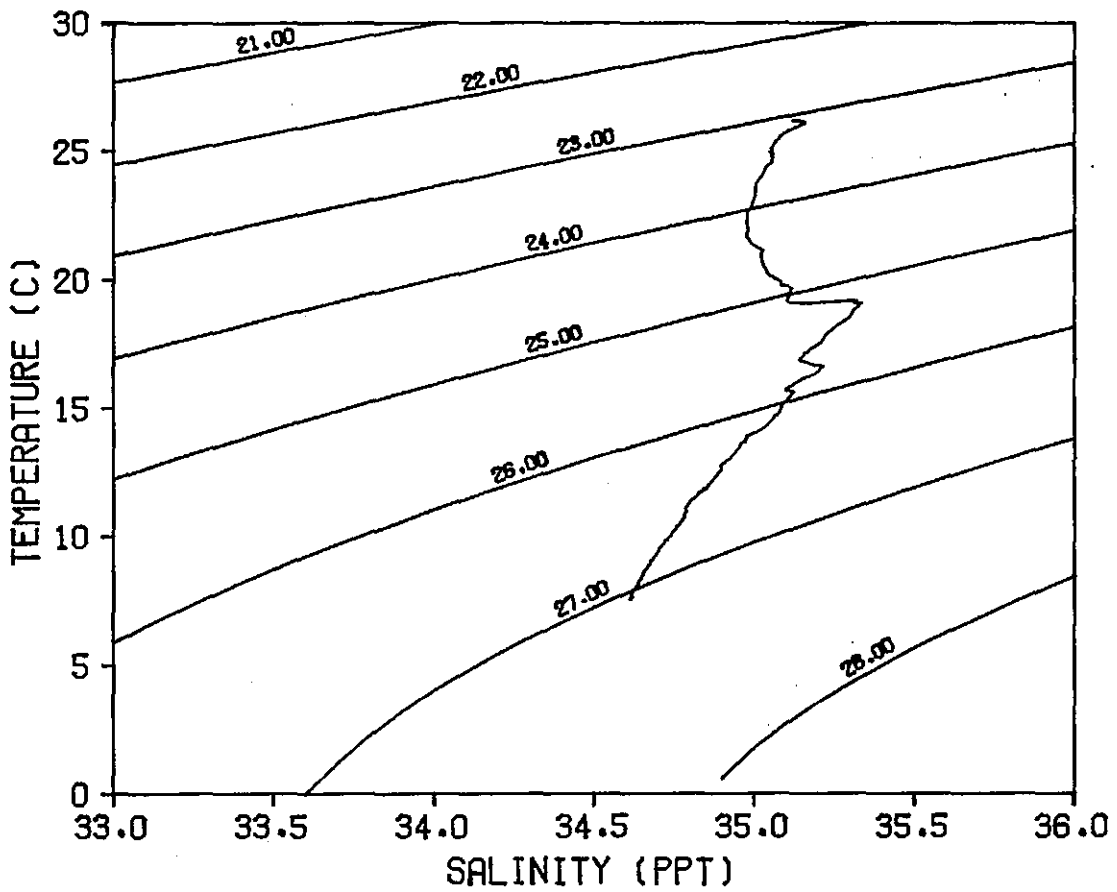


CAST EPI-80-DC-007 DATE 16 FEB 80 TIME 0618 GMT
 LAT 00 00.0N LONG 153 00.0W WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 008 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 26.0 WET 23.5 DEPTH M

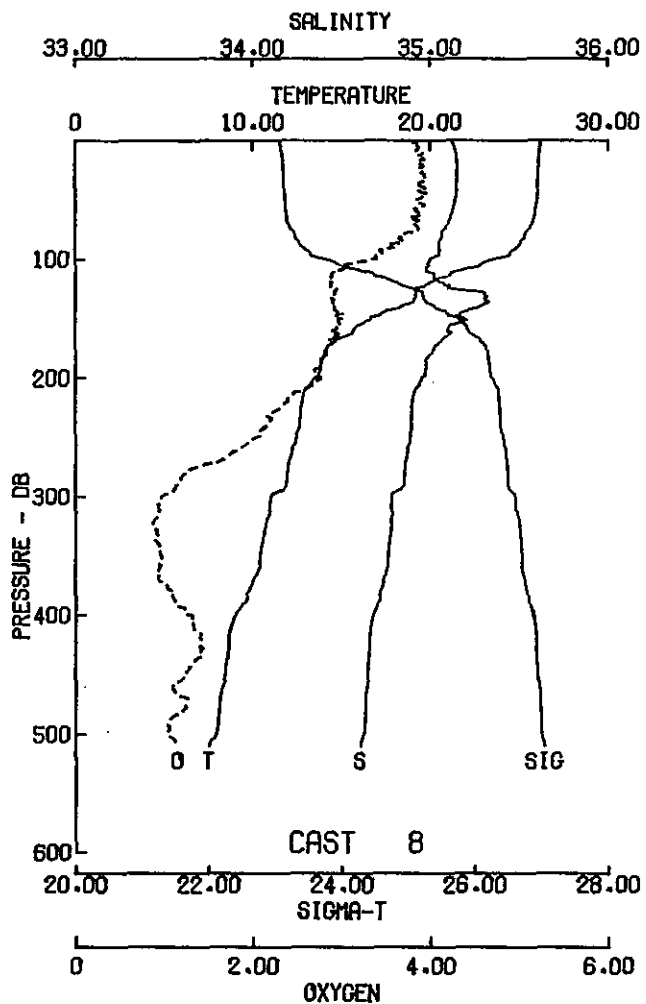


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.735	35.255	4.47	23.013	.000
10	26.747	35.254	4.16	23.006	.049
20	26.714	35.251	4.22	23.016	.097
30	26.672	35.248	4.19	23.027	.146
40	26.624	35.243	4.11	23.039	.195
50	26.581	35.237	4.09	23.046	.243
60	26.471	35.221	3.95	23.070	.291
70	26.263	35.189	3.90	23.112	.340
80	25.825	35.131	3.80	23.205	.387
90	25.012	35.068	3.57	23.407	.434
100	24.203	35.016	3.32	23.611	.478
110	23.178	34.994	3.09	23.896	.520
120	22.381	34.959	2.89	24.173	.560
130	21.069	34.858	2.85	24.841	.594
140	16.287	34.819	2.97	25.462	.623
150	16.691	34.836	2.92	25.787	.647
160	15.964	34.858	2.97	25.894	.669
170	14.965	34.895	2.95	26.070	.690
180	14.387	34.954	2.88	26.163	.710
190	13.961	34.910	2.84	26.220	.729
200	13.396	34.956	2.77	26.296	.747
250	12.424	34.867	2.03	26.431	.832
300	11.525	34.829	1.01	26.504	.914
350	11.042	34.799	.87	26.630	.990
400	9.834	34.724	1.12	26.784	1.061
450	6.892	34.666	1.37	26.845	1.126
500	6.153	34.630	1.46	26.960	1.186
512	7.664	34.621	1.16	27.016	

CAST EP1-80-0C-008 DATE 16 FEB 80 TIME 2136 GMT
LAT 00 00.9N LONG 149 58.3W

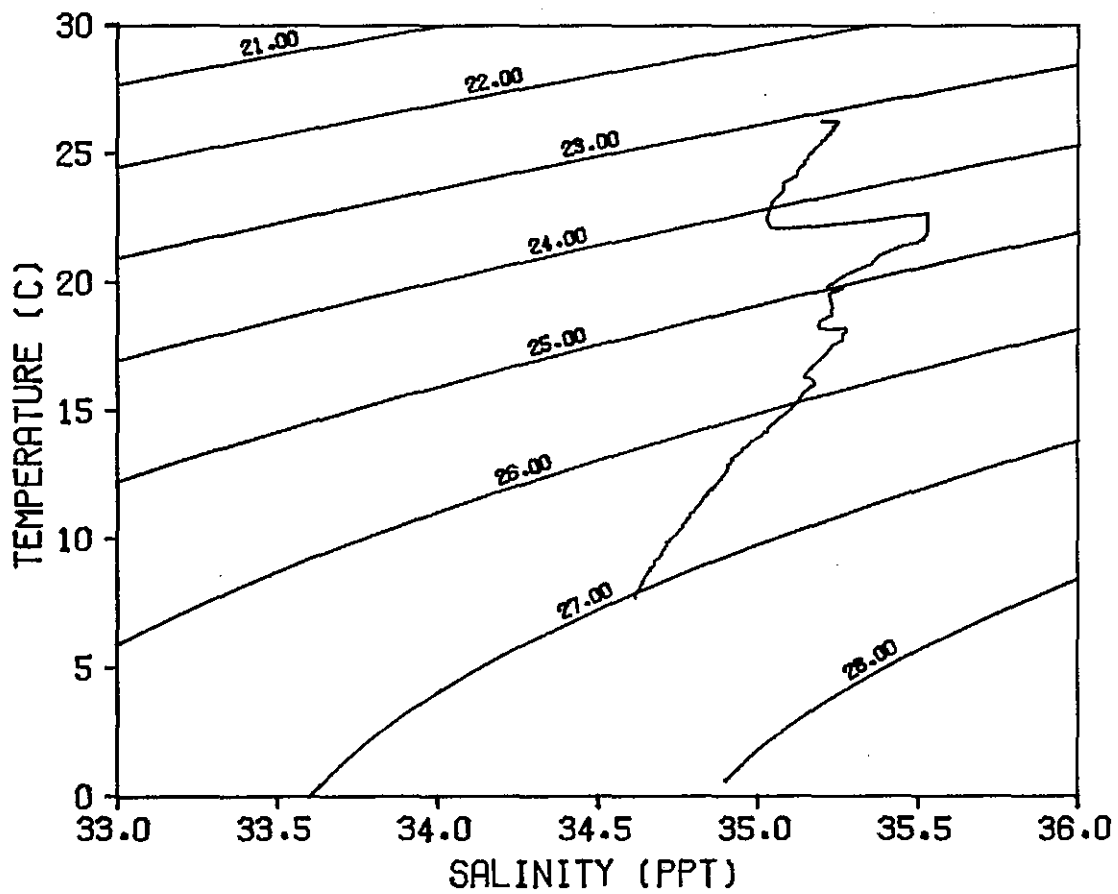


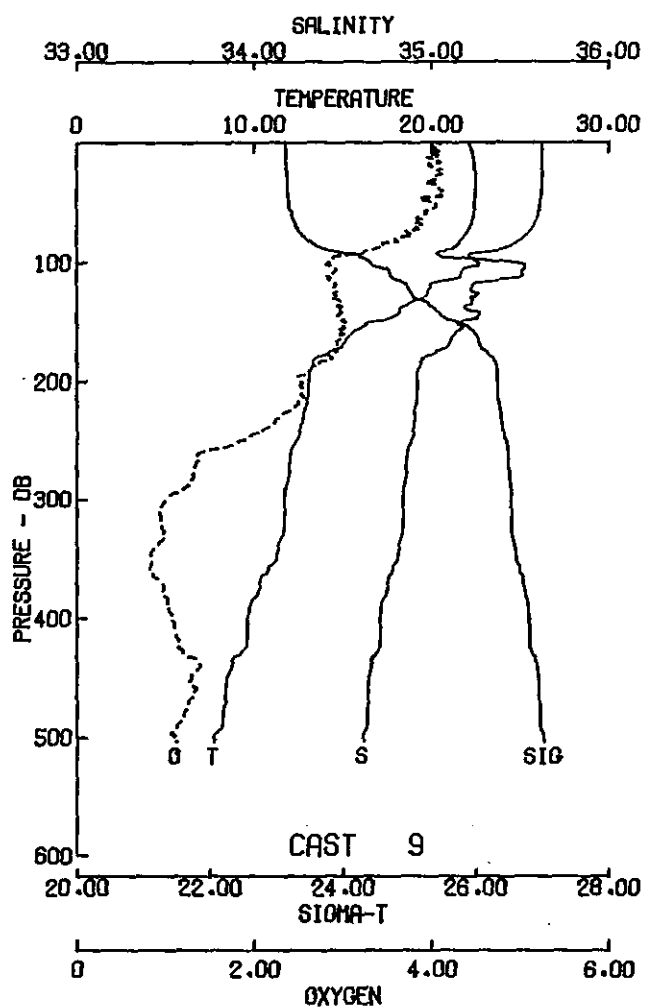
CAST EP1-80-0C-008 DATE 16 FEB 80 TIME 2136 GMT
 LAT 00 00.9N LONG 149 58.3W WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 090 T SPD 20 KT VISIBILITY 8
 CLOUD 6 AMOUNT 3 DRY 27.5 WET 24.0 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.201	35.118	3.63	23.078	.000
1	26.198	35.119	3.64	23.060	
10	26.157	35.146	3.66	23.113	.048
20	26.121	35.155	3.69	23.130	.095
30	26.084	35.154	3.94	23.142	.143
40	26.063	35.154	3.96	23.146	.190
50	26.069	35.143	3.66	23.157	.236
60	25.916	35.128	3.85	23.174	.285
70	25.765	35.105	3.81	23.204	.333
80	25.336	35.069	3.73	23.309	.379
90	24.945	35.050	3.56	23.414	.425
100	23.700	35.004	3.41	23.751	.469
110	21.682	35.975	3.91	23.911	.508
120	19.994	35.070	3.90	23.834	.542
130	19.169	35.307	3.91	23.829	.572
140	18.437	35.288	2.94	23.400	.599
150	16.659	35.183	3.02	23.752	.624
160	15.684	35.098	2.94	23.911	.646
170	14.662	35.063	2.87	23.112	.667
180	14.062	35.006	2.63	23.197	.686
190	13.810	34.976	2.76	23.225	.705
200	13.607	34.957	2.77	23.253	.723
250	12.452	34.888	2.06	23.432	.809
300	11.056	34.765	.98	23.616	.890
350	10.436	34.754	.97	23.711	.963
400	9.064	34.678	1.30	23.875	1.031
450	8.480	34.650	1.22	23.946	1.092
500	7.956	34.627	1.07	27.007	1.150
510	7.549	34.609	1.16	27.053	

CAST EP1-80-0C-009 DATE 17 FEB 80 TIME 1117 GMT
LAT 00 03.1N LONG 147 30.1W

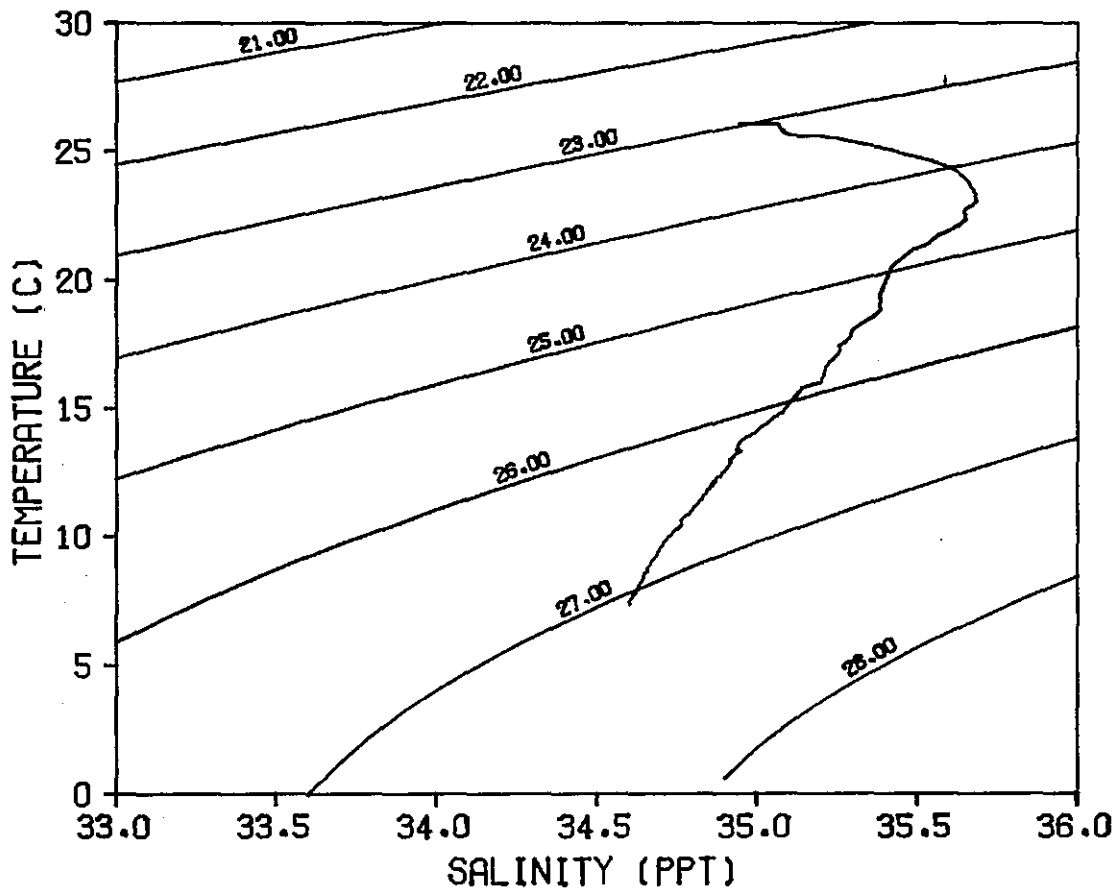




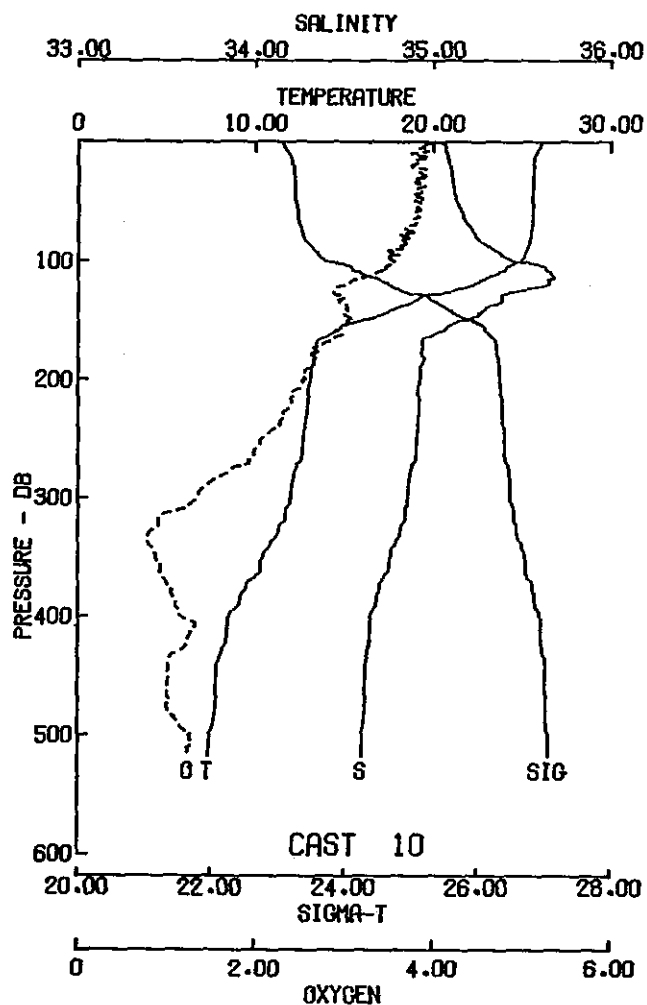
CAST EPI-80-DC-009 DATE 17 FEB 80 TIME 1117 GMT
 LAT 00 03.1N LONG 147 30.1W WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 100 T SPD 20 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 26.0 WET 23.3 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	UXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.251	35.201	4.04	23.125	.000
10	26.256	35.234	4.00	23.148	.047
20	26.256	35.245	3.97	23.157	.095
30	26.238	35.249	4.07	23.165	.142
40	26.221	35.250	4.13	23.171	.189
50	26.119	35.244	4.00	23.198	.237
60	25.998	35.238	3.94	23.231	.284
70	25.732	35.218	3.62	23.299	.330
80	25.149	35.179	3.61	23.449	.376
90	23.847	35.081	3.27	23.766	.419
100	22.583	35.453	2.83	24.414	.457
110	21.687	35.514	2.87	24.713	.491
120	19.951	35.334	2.91	24.970	.523
130	19.227	35.221	2.89	25.071	.555
140	18.200	35.196	2.96	25.369	.586
150	16.720	35.173	3.00	25.730	.606
160	15.499	35.132	3.01	25.979	.627
170	14.972	35.097	2.95	26.070	.648
180	13.991	35.968	2.88	26.265	.667
190	13.161	35.923	2.63	26.316	.685
200	12.084	35.921	2.53	26.333	.702
250	12.380	35.888	1.91	26.446	.788
300	11.724	35.841	1.01	26.536	.869
350	11.237	35.810	.84	26.603	.947
400	9.642	35.711	1.06	26.806	1.018
450	8.440	35.645	1.36	26.948	1.082
500	7.746	35.610	1.13	27.010	1.141
504	7.732	35.615	1.12	27.032	

CAST EP1-80-0C-010 DATE 18 FEB 80 TIME 0156 GMT
LAT 0 00.4S LONG 145 02.5W

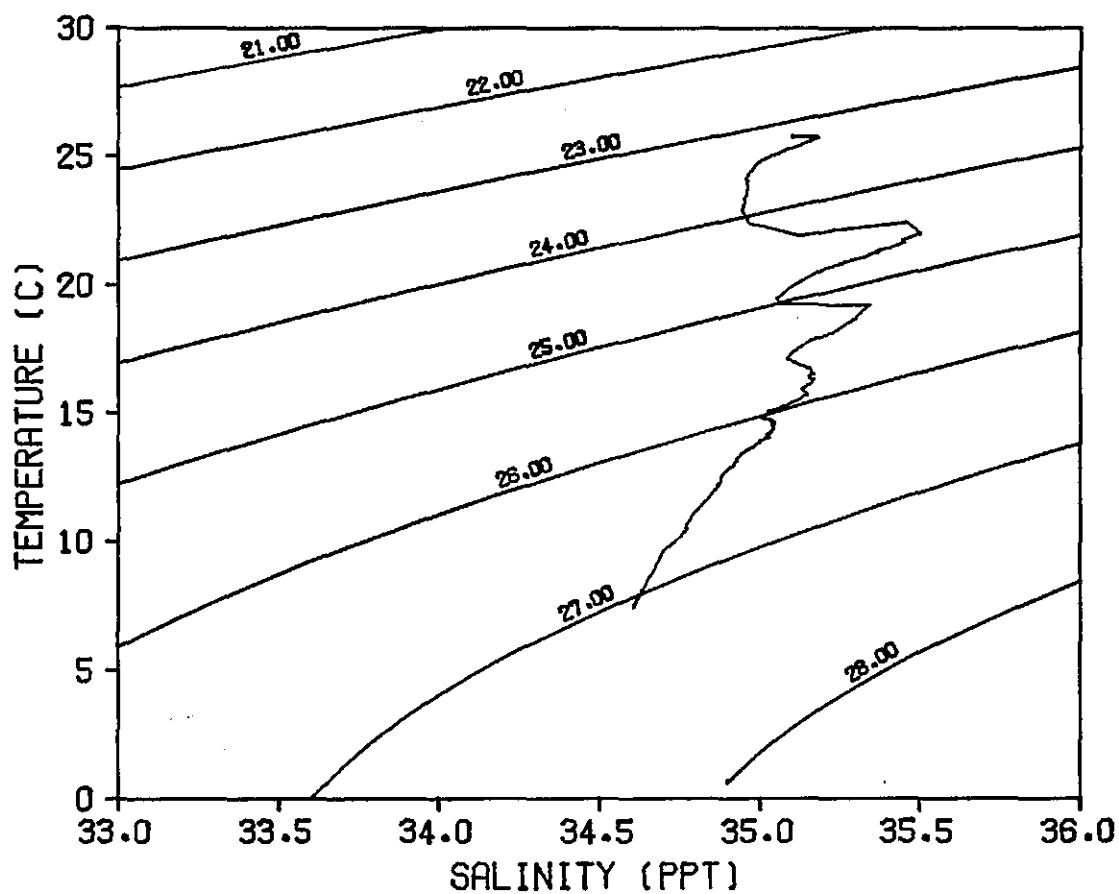


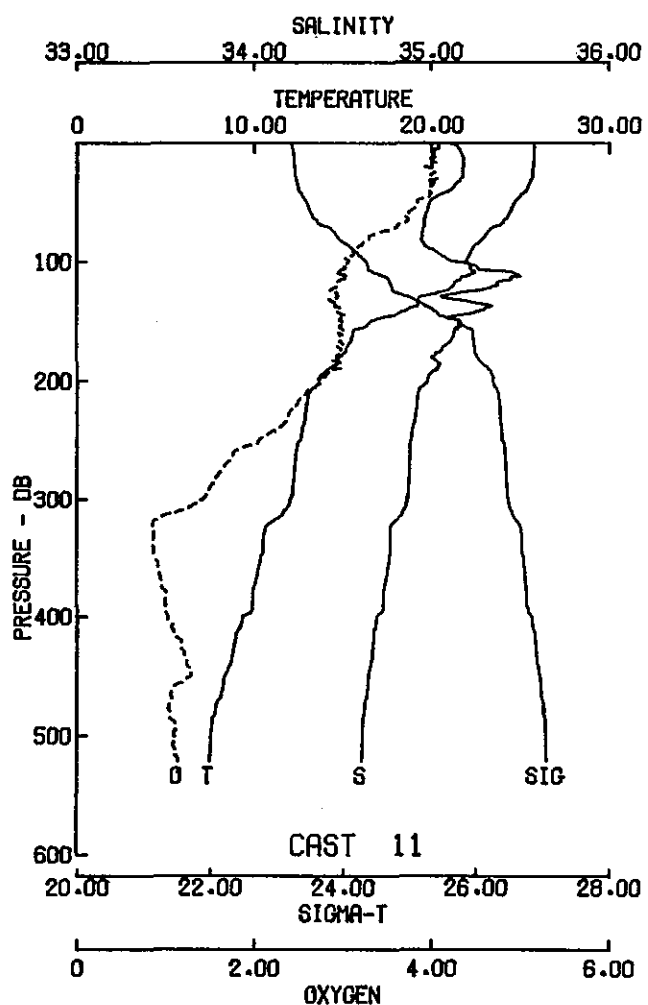
CAST EPI-80-DC-010 DATE 18 FEB 60 TIME 0156 GMT
 LAT 0 00.45 LONG 145 02.54 WEATHER 2 SEA STATE 4
 BAROMETER 12 WIND DIR 130 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 6 DRY 27.0 WET 24.0 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-0 (DYN-M)
0	26.070	34.945	4.14	22.989	.000
10	25.798	35.079	3.75	23.174	.048
20	25.652	35.093	3.76	23.230	.095
30	25.624	35.105	3.88	23.248	.141
40	25.617	35.116	3.81	23.258	.188
50	25.608	35.125	3.81	23.276	.234
60	25.600	35.134	3.79	23.300	.280
70	25.588	35.203	3.76	23.333	.326
80	25.513	35.247	3.75	23.389	.372
90	25.280	35.331	3.62	23.524	.417
100	24.907	35.450	3.55	23.728	.460
110	23.745	35.662	3.38	24.235	.499
120	22.277	35.645	3.02	24.647	.534
130	19.366	35.384	2.95	25.337	.566
140	17.905	35.294	2.03	25.537	.592
150	16.005	35.201	2.09	25.917	.616
160	14.384	35.029	1.91	26.146	.636
170	13.418	34.938	1.76	26.276	.654
180	13.325	34.939	1.64	26.297	.672
190	13.132	34.926	1.63	26.326	.690
200	13.088	34.927	1.57	26.336	.707
250	12.672	34.907	1.07	26.404	.794
300	11.987	34.859	1.33	26.500	.877
350	10.418	34.780	1.88	26.711	.953
400	8.540	34.649	1.17	26.936	1.019
450	7.808	34.619	1.01	27.023	1.077
500	7.418	34.600	1.25	27.065	1.133
518	7.374	34.600	1.25	27.071	

CAST EP1-80-0C-011 DATE 18 FEB 80 TIME 1450 GMT
LAT 00 02.5N LONG 142 30.0W

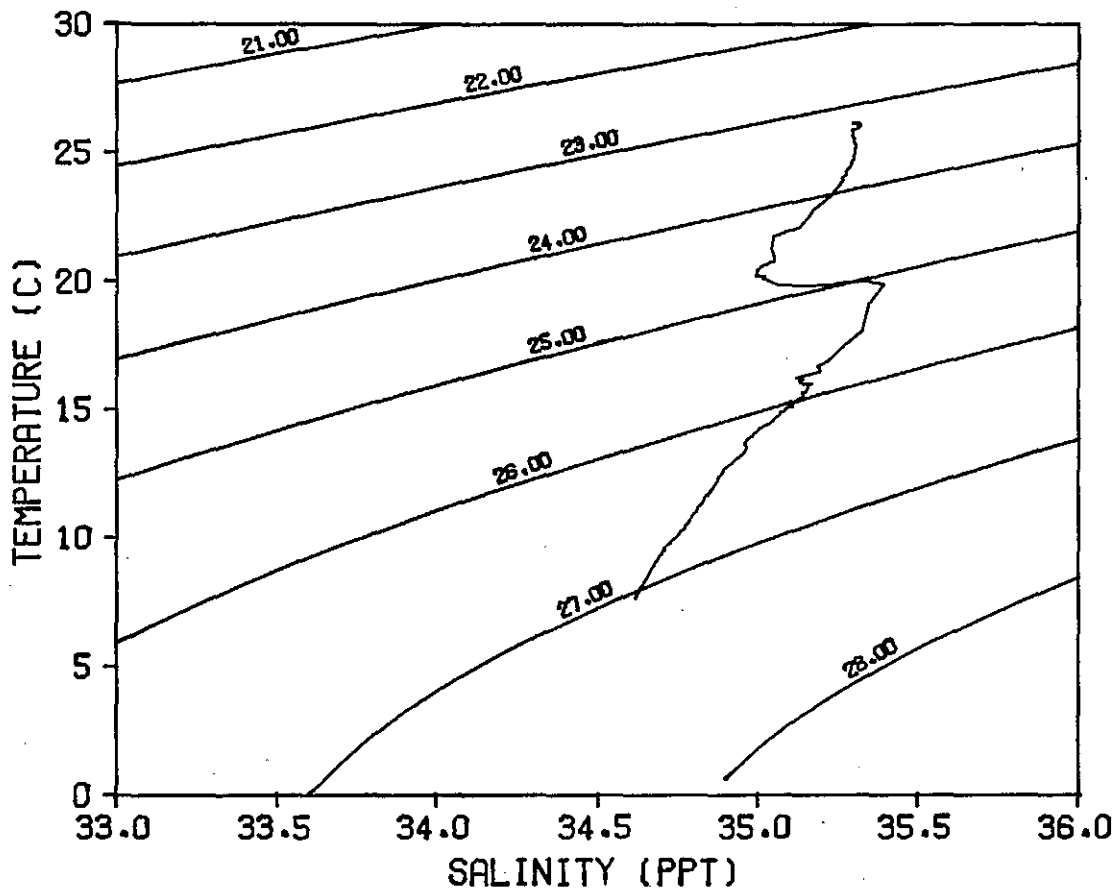




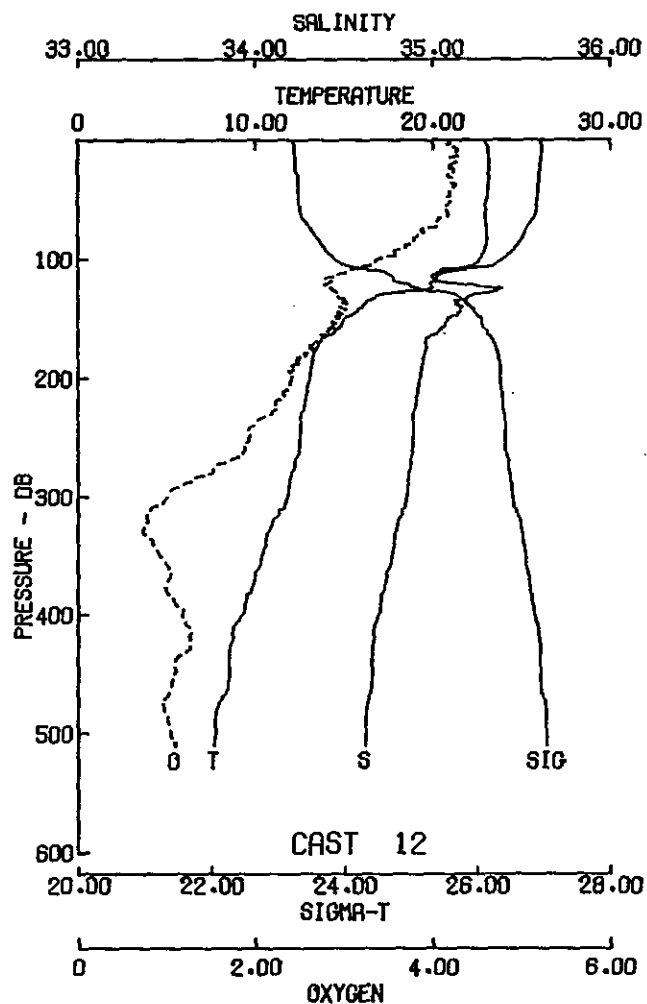
CAST EP1-80-JC-011 DATE 16 FEB 60 TIME 1450 GMT
 LAT 00 02.5N LONG 142 30.0W WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 140 T SPD 14 KT VISIBILITY 8
 CLOUD 6 AMOUNT 7 DRY 23.8 WET 23.9 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	25.764	35.100	3.91	23.200	.000
10	25.771	35.171	4.02	23.252	.047
20	25.750	35.163	3.92	23.268	.093
30	25.636	35.166	4.06	23.290	.139
40	25.341	35.106	3.98	23.336	.185
50	24.704	34.991	3.83	23.442	.230
60	24.357	34.968	3.75	23.529	.274
70	23.693	34.959	3.61	23.719	.318
80	22.921	34.943	3.49	23.931	.359
90	22.292	35.005	3.11	24.157	.398
100	21.929	35.118	3.06	24.345	.435
110	22.299	35.472	2.96	24.509	.471
120	21.239	35.374	2.92	24.730	.504
130	19.260	35.064	2.93	25.021	.536
140	16.595	35.300	2.97	25.343	.564
150	16.566	35.164	2.99	25.759	.590
160	15.569	35.128	2.95	25.950	.612
170	15.321	35.088	2.99	25.985	.633
180	14.850	35.003	2.92	26.024	.653
190	14.158	35.017	2.92	26.184	.673
200	13.644	34.973	2.72	26.258	.693
250	12.660	34.882	2.05	26.397	.779
300	12.053	34.863	1.42	26.491	.861
350	10.378	34.763	.87	26.720	.936
400	9.358	34.689	1.01	26.836	1.005
450	8.339	34.643	1.28	26.952	1.067
500	7.557	34.610	1.09	27.053	1.124
521	7.471	34.606	1.14	27.062	

CAST EP1-80-0C-012 DATE 19 FEB 80 TIME 0329 GMT
LAT 00 00.6N LONG 139 56.8W

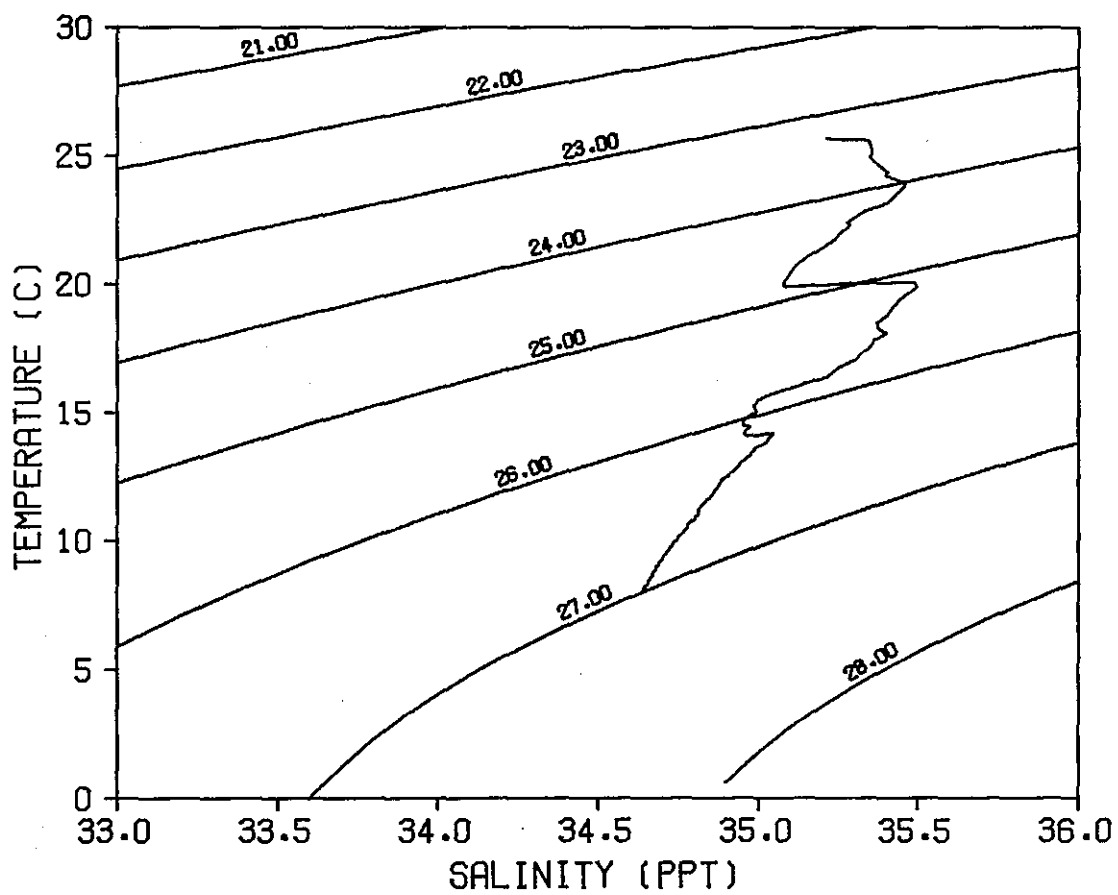


CAST EP1-80-DC-012 DATE 19 FEB 80 TIME 0329 GMT
 LAT 00 00.6N LONG 139 56.8W WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND U1M 120 T SPD 15 KT VISIBILITY 8
 CLOUD 8 AMOUNT 4 DRY 26.0 WET 24.0 DEPTH M

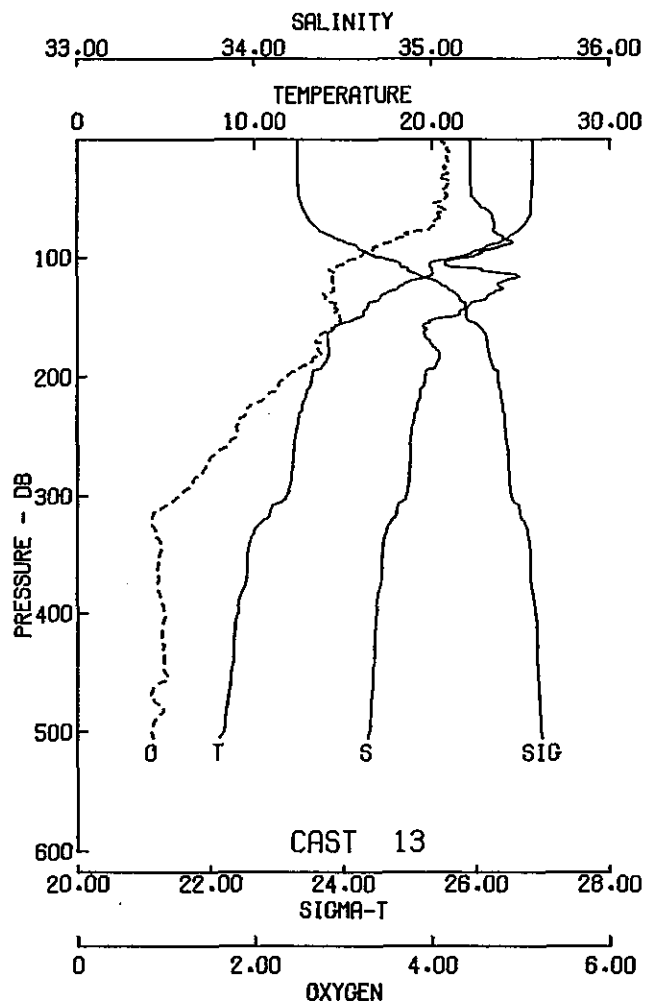


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-0 (DYN-M)
0	26.121	35.296	4.16	23.237	.000
1	26.122	35.298	4.19	23.238	
10	26.122	35.312	4.25	23.249	.046
20	26.084	35.318	4.23	23.265	.093
30	25.991	35.316	4.15	23.283	.139
40	25.938	35.311	4.23	23.306	.185
50	25.896	35.305	4.17	23.314	.231
60	25.816	35.295	4.16	23.322	.277
70	25.479	35.300	4.01	23.439	.322
80	25.115	35.305	3.83	23.555	.367
90	24.662	35.297	3.69	23.666	.410
100	24.001	35.265	4.40	24.660	.452
110	21.209	35.042	3.02	24.486	.499
120	19.833	35.061	2.83	24.869	.541
130	17.106	35.238	2.92	25.686	.580
140	16.022	35.168	2.95	25.889	.619
150	14.989	35.085	2.92	26.027	.653
160	14.438	35.037	2.82	26.140	.682
170	13.592	34.958	2.66	26.227	.707
180	13.264	34.954	2.57	26.320	.728
190	13.106	34.938	2.41	26.340	.742
200	13.042	34.928	2.41	26.346	.747
250	12.509	34.887	1.92	26.420	.772
300	11.795	34.851	1.00	26.531	.803
350	10.338	34.766	.92	26.673	.833
400	9.237	34.691	1.17	26.858	.853
450	6.488	34.655	1.06	26.948	1.05
500	7.712	34.619	1.03	27.037	1.113
510	7.654	34.616	1.09	27.043	

CAST EP1-80-0C-013 DATE 19 FEB 80 TIME 1520 GMT
LAT 0 00.5S LONG 137 30.0W

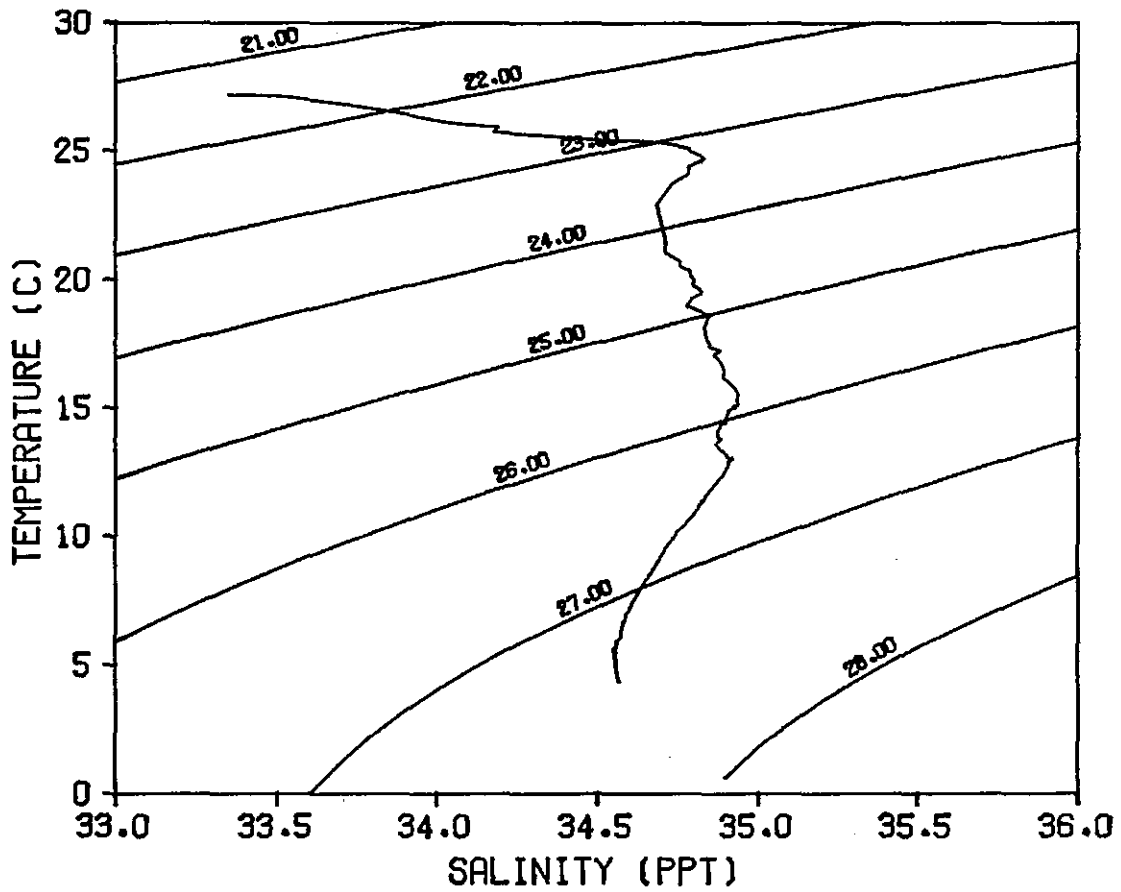


CAST EP1-80-0C-013 DATE 19 FEB 80 TIME 1520 GMT
 LAT 0 00.5S LONG 137 30.0W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 110 T SPD 13 KT VISIBILITY 8
 CLOUD 6 AMOUNT 2 DRY 25.2 WET 23.4 DEPTH M

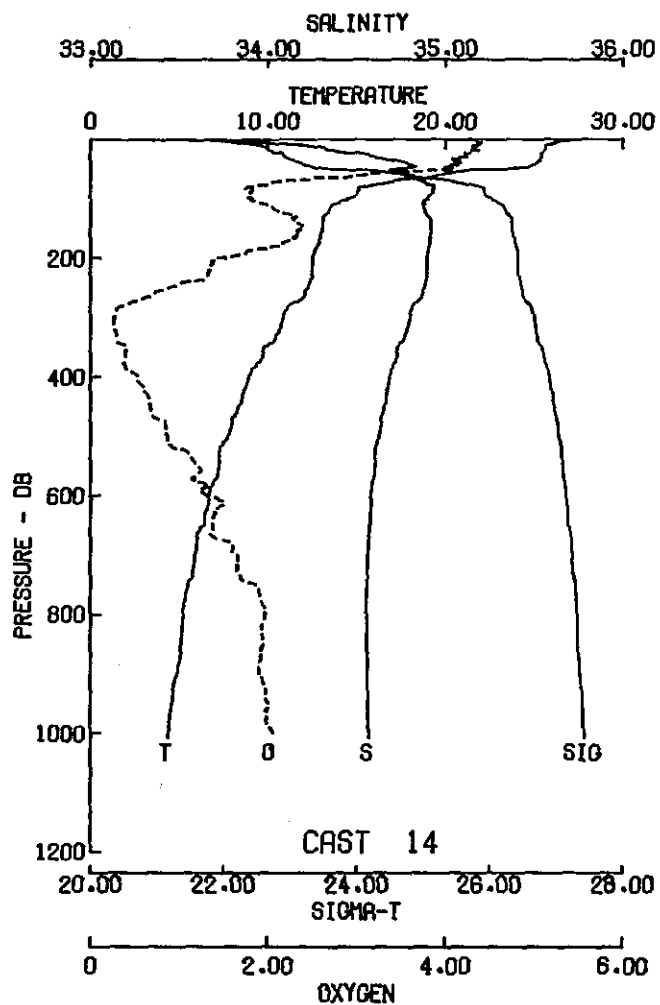


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	25.678	35.215	4.13	23.314	.000
10	25.679	35.217	4.20	23.315	.046
20	25.680	35.218	4.20	23.315	.092
30	25.678	35.219	4.15	23.317	.138
40	25.653	35.223	4.17	23.327	.184
50	25.622	35.241	4.15	23.351	.230
60	25.604	35.319	4.17	23.415	.276
70	25.342	35.352	4.04	23.521	.322
80	24.656	35.372	3.69	23.745	.368
90	23.195	35.406	3.39	24.202	.414
100	21.438	35.204	3.18	24.546	.460
110	20.042	35.288	2.84	24.987	.506
120	18.790	35.404	2.57	25.410	.552
130	17.474	35.344	2.29	25.800	.598
140	16.382	35.214	2.00	26.154	.644
150	16.004	35.120	1.95	26.355	.690
160	14.442	34.969	1.84	26.467	.736
170	14.124	34.991	1.70	26.171	.682
180	14.197	35.044	1.74	26.196	.628
190	13.890	35.027	1.58	26.348	.674
200	13.240	34.963	1.37	26.433	.720
250	12.329	34.885	1.19	26.454	.766
300	11.804	34.556	1.14	26.532	.812
350	9.622	34.720	.93	26.616	.858
400	9.047	34.686	.98	26.684	.904
450	8.661	34.667	.99	26.684	.950
500	8.266	34.650	.64	26.978	1.027
505	6.038	34.638	.65	27.004	1.087

CAST EP1-80-0C-014 DATE 02 MAR 80 TIME 2023 GMT
LAT 00 46.4N LONG 110 17.4W



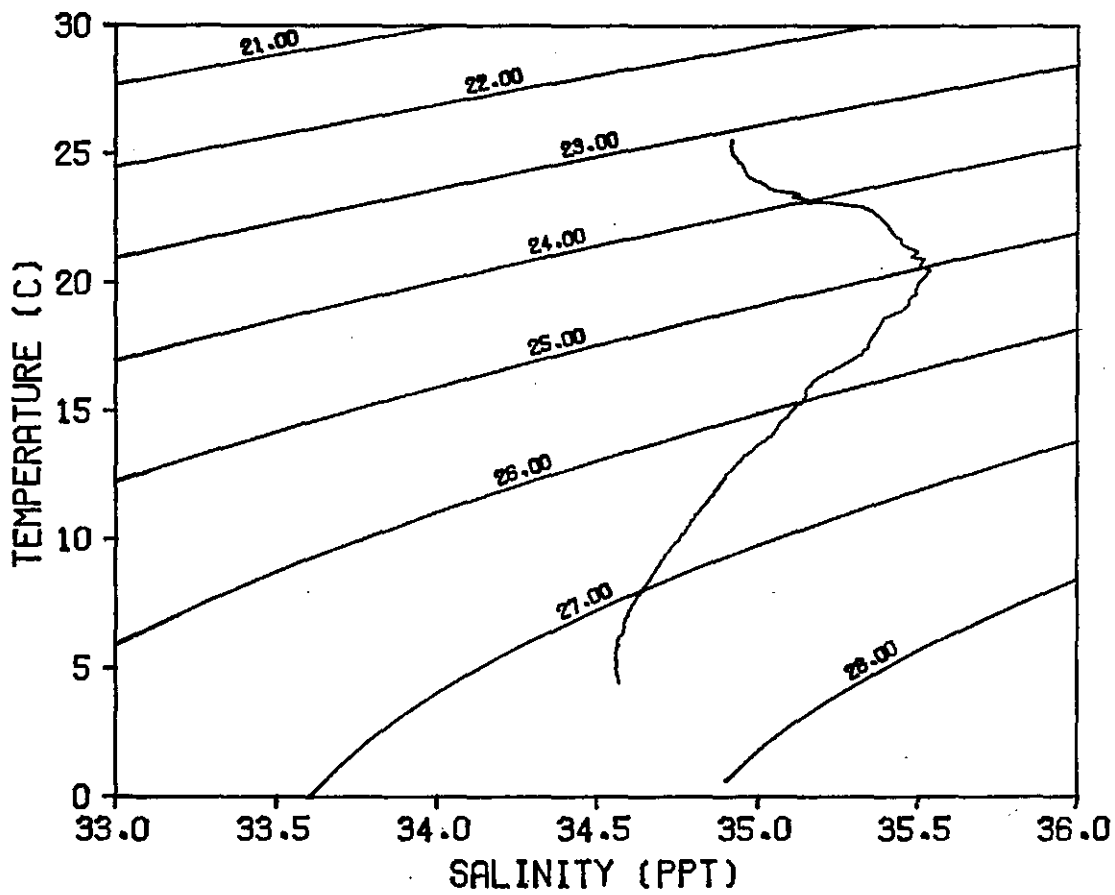
CAST EP1-80-0C-014 DATE 02 MAR 80 TIME 2023 GMT
 LAT 00 46.4N LONG 110 17.4W WEATHER 2 SEA STATE 1
 BAROMETER 10 WIND DIR 190 T SPD 09 KT VISIBILITY 8
 CLOUD 8 AMOUNT 8 DRY 26.2 WET 24.4 DEPTH M



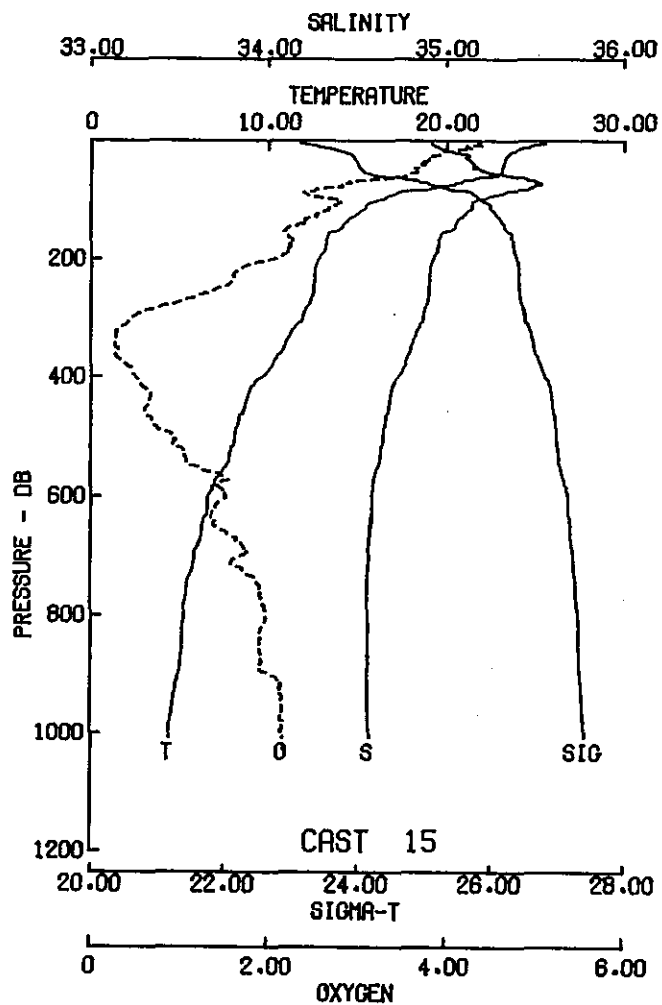
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.199	33.351	4.26	24.433	.000
10	25.159	34.180	4.40	22.509	.057
20	25.523	34.403	4.27	22.744	.110
30	25.411	34.608	4.20	22.939	.160
40	25.106	34.775	4.11	23.158	.208
50	23.723	34.732	3.97	23.538	.254
60	19.775	34.796	3.07	24.683	.290
70	17.237	34.883	2.20	25.385	.320
80	15.543	34.936	1.83	25.819	.344
90	15.036	34.931	1.82	25.928	.366
100	14.454	34.901	1.81	26.031	.387
110	13.656	34.873	1.98	26.178	.406
120	13.390	34.860	2.10	26.238	.424
130	13.146	34.901	2.32	26.304	.442
140	13.067	34.917	2.35	26.332	.460
150	13.041	34.918	2.37	26.339	.477
160	12.959	34.916	2.30	26.353	.495
170	12.836	34.907	2.25	26.371	.512
180	12.728	34.903	2.06	26.391	.529
190	12.587	34.900	1.77	26.415	.545
200	12.501	34.895	1.40	26.428	.562
250	12.204	34.877	.88	26.472	.645
300	9.828	34.798	.26	26.667	.722
350	9.769	34.728	.41	26.795	.793
400	8.919	34.684	.54	26.903	.858
450	8.340	34.653	.68	26.970	.916
500	7.728	34.622	.86	27.038	.975
550	7.218	34.600	1.22	27.094	1.029
600	6.675	34.579	1.34	27.152	1.081
650	6.390	34.575	1.38	27.187	1.131
700	5.850	34.560	1.66	27.245	1.178
750	5.473	34.555	1.86	27.286	1.224
800	5.222	34.554	1.96	27.317	1.267
850	5.115	34.555	1.96	27.331	1.310
900	4.859	34.559	1.90	27.383	1.352
950	4.592	34.561	2.00	27.4395	1.392
1000	4.376	34.565	2.06	27.422	1.431
1007	4.348	34.566	2.04	27.425	

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CAST EP1-80-0C-015 DATE 03 MAR 80 TIME 1307 GMT
LAT 0 37.2S LONG 110 07.2W

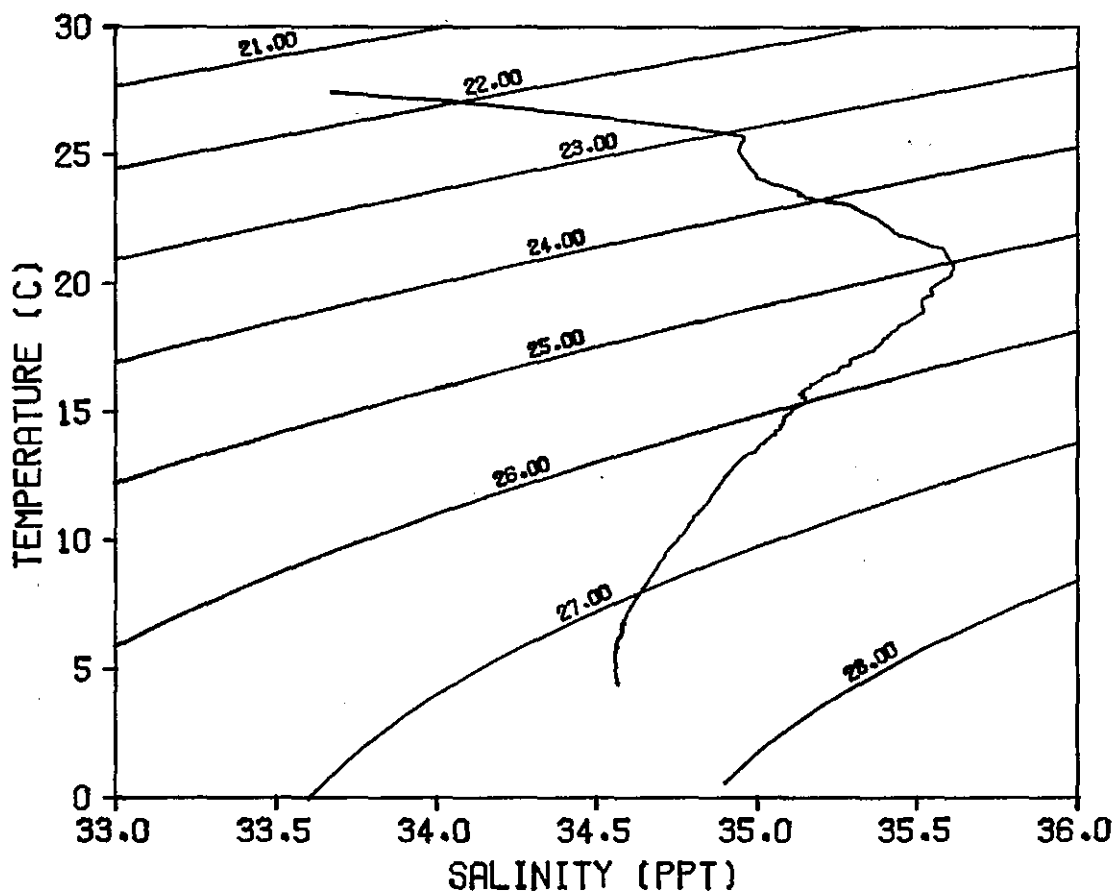


CAST EPI-80-LC-015 DATE 03 MAR 80 TIME 1307 GMT
 LAT 0 37.25 LONG 110 07.2W WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 160 T SPD 05 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 - DRY 25.0 WET 24.3 DEPTH M

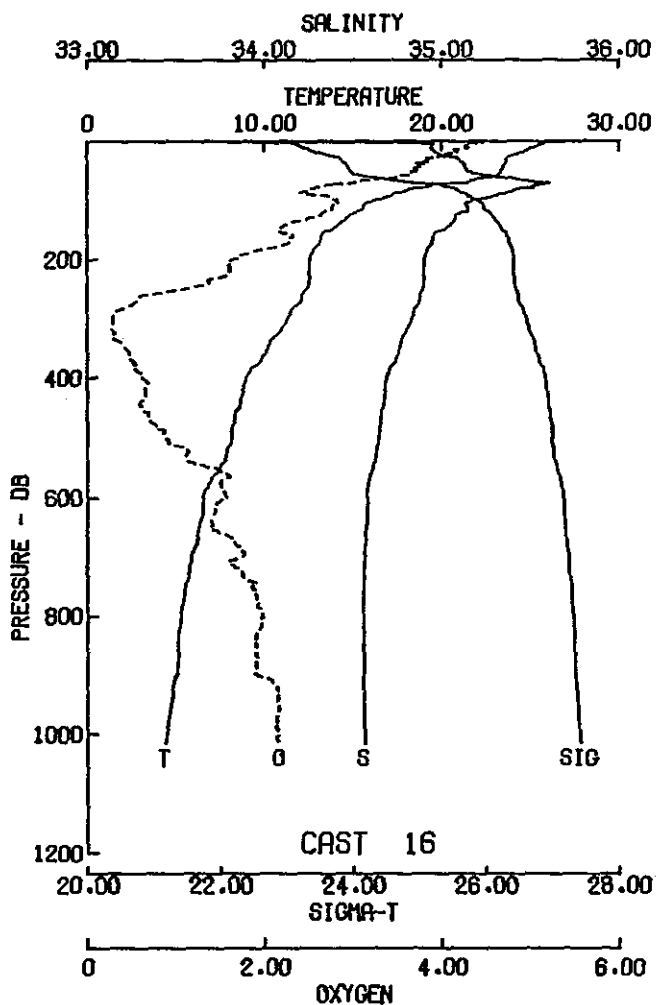


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	25.519	34.915	4.30	23.137	.000
10	24.775	34.934	4.222	23.178	.047
20	23.665	34.933	3.96	23.183	.090
30	23.313	34.909	3.79	23.194	.131
40	23.223	34.952	3.74	24.004	.170
50	23.145	34.955	3.68	24.057	.209
60	22.759	34.956	3.56	24.290	.247
70	20.916	34.908	2.92	24.620	.280
80	19.475	34.982	2.69	25.284	.309
90	17.228	34.925	2.40	25.725	.334
100	16.333	34.990	2.77	25.833	.357
110	15.502	34.946	2.74	25.989	.378
120	15.143	34.918	2.63	26.048	.398
130	14.726	34.988	2.49	26.116	.418
140	14.285	34.957	2.42	26.187	.437
150	14.030	34.941	2.26	26.230	.456
160	13.347	34.971	2.20	26.317	.474
170	13.226	34.955	2.26	26.330	.491
180	13.165	34.950	2.24	26.336	.509
190	13.072	34.944	2.21	26.352	.526
200	12.616	34.924	2.07	26.369	.543
250	12.334	34.902	1.44	26.427	.627
300	11.933	34.870	.47	26.519	.709
350	10.913	34.801	.28	26.655	.786
400	9.697	34.733	.49	26.814	.856
450	8.683	34.678	.64	26.935	.918
500	8.139	34.647	.91	26.956	.977
550	7.161	34.621	1.17	27.047	1.034
600	6.603	34.581	1.52	27.163	1.067
650	6.276	34.577	1.39	27.137	1.137
700	5.859	34.568	1.71	27.290	1.184
750	5.460	34.560	1.90	27.290	1.229
800	5.254	34.558	1.96	27.316	1.273
850	5.158	34.561	1.91	27.330	1.316
900	4.976	34.558	1.99	27.349	1.358
950	4.664	34.562	2.16	27.366	1.399
1000	4.435	34.568	2.17	27.418	1.438
1008	4.415	34.568	2.17	27.420	1.438

CAST EP1-80-0C-016 DATE 04 MAR 80 TIME 0431 GMT
LAT 0 34.6S LONG 110 12.3W

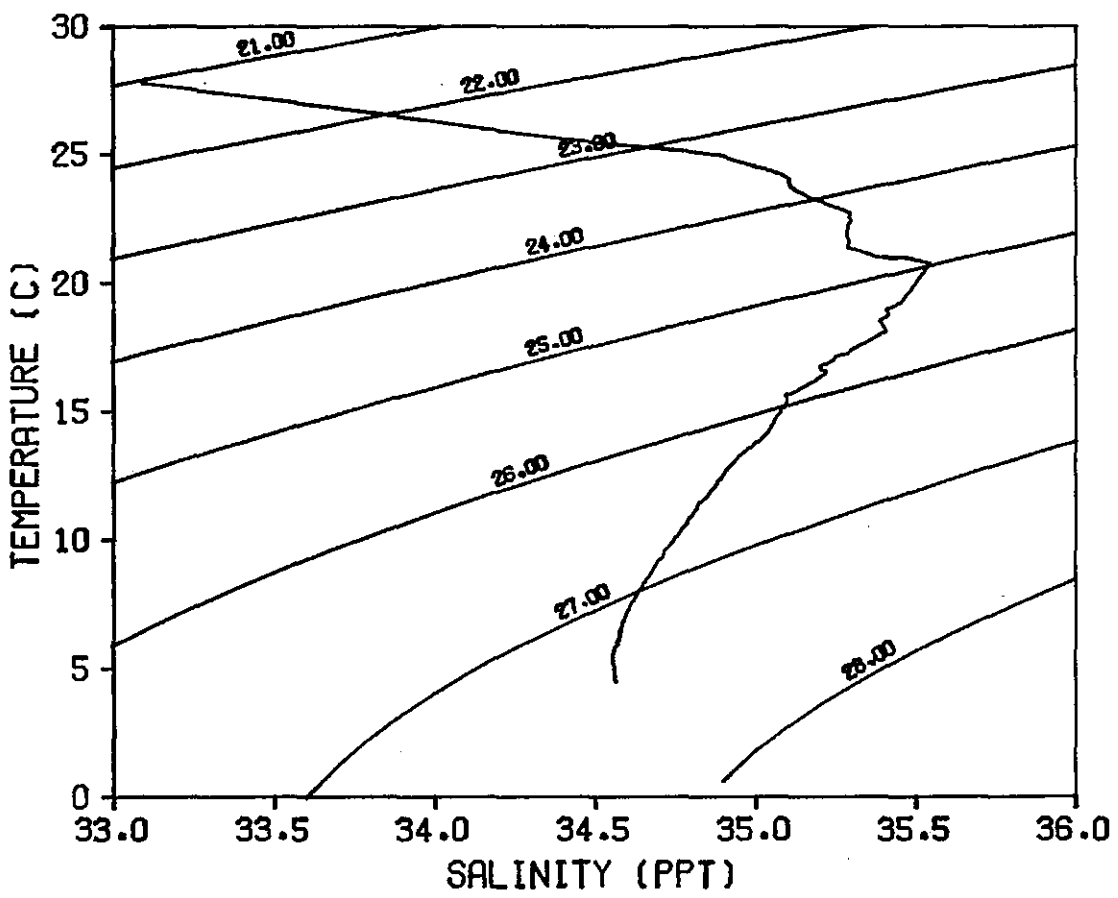


CAST EPI-80-06-016 DATE 04 MAR 80 TIME 0431 GMT
 LAT 0 44.6S LONG 110 12.3W WEATHER 2 SEA STATE 0
 BAROMETER 13 WIND DIR 060 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 27.0 WET 25.0 DEPTH M

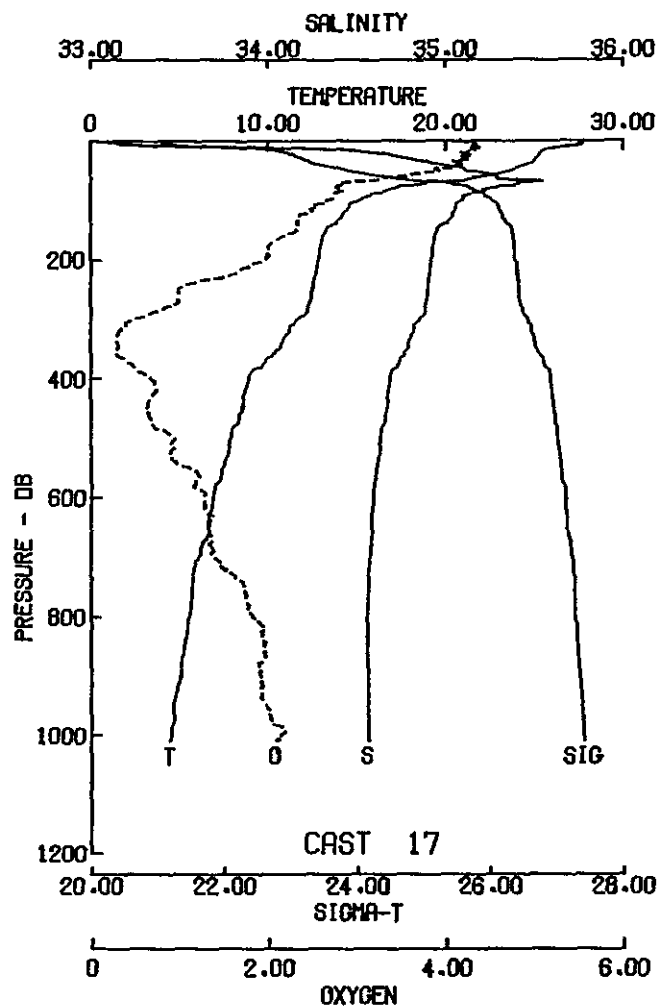


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.462	33.671	4.41	21.569	.000
10	25.306	34.945	4.29	23.225	.050
20	24.556	34.970	4.17	23.471	.095
30	23.695	35.096	3.83	23.822	.138
40	23.545	35.134	3.70	23.895	.179
50	23.364	35.144	3.69	23.955	.219
60	23.039	35.267	3.53	24.158	.258
70	21.502	35.536	3.02	24.781	.292
80	18.473	35.463	2.56	25.525	.320
90	17.277	35.331	2.46	25.718	.344
100	16.299	35.201	2.81	25.849	.367
110	15.591	35.137	2.77	25.963	.388
120	15.220	35.125	2.69	26.036	.409
130	14.653	35.079	2.54	26.125	.429
140	14.262	35.057	2.30	26.193	.448
150	13.887	35.026	2.17	26.248	.466
160	13.286	34.962	2.30	26.323	.484
170	13.125	34.946	2.29	26.343	.501
180	12.855	34.924	2.12	26.381	.519
190	12.681	34.913	1.80	26.407	.535
200	12.566	34.904	1.64	26.422	.552
250	12.405	34.895	1.10	26.447	.636
300	11.311	34.832	.28	26.606	.715
350	10.218	34.767	.42	26.751	.787
400	8.989	34.691	.62	26.897	.853
450	8.282	34.670	.63	26.946	.914
500	8.128	34.642	.89	26.993	.973
550	7.483	34.610	1.39	27.063	1.029
600	6.532	34.578	1.56	27.171	1.081
650	6.303	34.576	1.41	27.199	1.131
700	5.868	34.566	1.73	27.246	1.178
750	5.527	34.559	1.87	27.284	1.224
800	5.282	34.557	1.96	27.312	1.268
850	5.136	34.560	1.90	27.331	1.311
900	5.037	34.561	1.90	27.344	1.353
950	4.705	34.560	2.16	27.382	1.394
1000	4.466	34.566	2.17	27.413	1.434
1015	4.404	34.566	2.18	27.420	

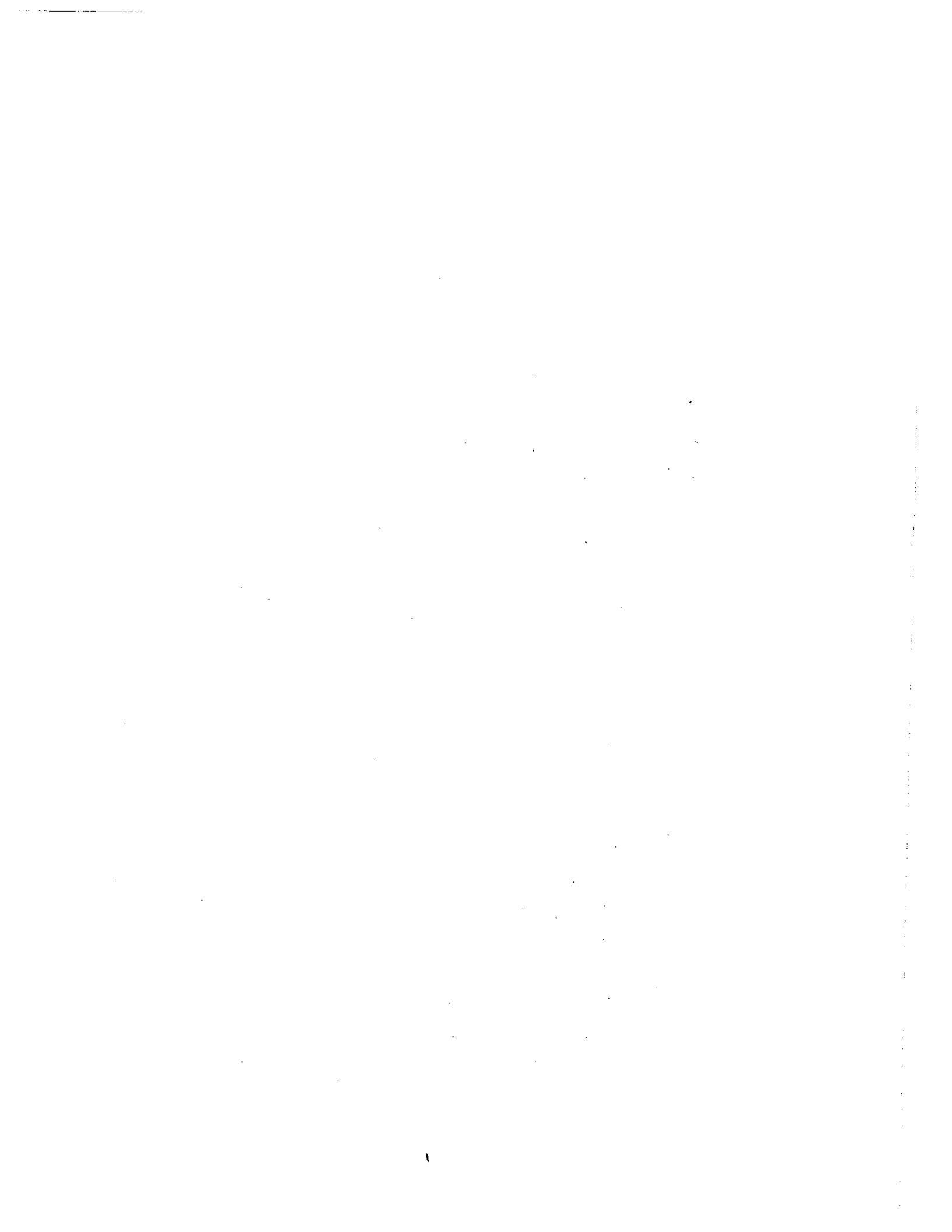
CAST EP1-80-0C-017 DATE 06 MAR 80 TIME 0046 GMT
LAT 0 01.4S LONG 109 24.4W



CAST EP1-80-0C-017 DATE 06 MAR 80 TIME 0046 GHT
 LAT 0 01.45 LONG 109 24.4W WEATHER 2 SEA STATE 7
 BAROMETER 0.9 WIND DIR 120 T SPD 16 KT VISIBILITY 4
 CLOUD 6 AMOUNT 8 DRY 26.4 WET 24.7 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.759	33.095	4.17	21.062	.000
10	26.953	33.160	4.30	21.170	.066
20	25.352	33.460	4.24	22.455	.119
30	25.112	33.479	4.21	23.174	.167
40	24.692	33.495	4.20	23.420	.213
50	23.669	33.511	3.92	23.647	.256
60	22.227	33.526	3.46	24.390	.294
70	19.231	33.453	3.24	25.324	.326
80	17.136	33.552	3.78	25.691	.351
90	15.709	33.529	3.75	25.909	.373
100	15.137	33.501	3.66	26.026	.394
110	14.567	33.506	3.52	26.127	.414
120	14.323	33.504	3.47	26.170	.433
130	14.126	33.533	3.36	26.203	.452
140	13.660	33.499	3.32	26.269	.470
150	13.238	33.450	2.31	26.323	.488
160	13.070	33.493	2.19	26.347	.505
170	12.991	33.493	2.05	26.360	.522
180	12.903	33.492	1.99	26.372	.539
190	12.890	33.492	1.99	26.374	.557
200	12.838	33.492	1.98	26.381	.574
250	12.488	33.489	.99	26.434	.658
300	11.701	33.485	.49	26.549	.740
350	10.656	33.478	.31	26.690	.814
400	8.907	33.468	.67	26.906	.881
450	6.525	33.466	.64	26.951	.941
500	7.911	33.463	.94	27.016	1.000
550	7.486	33.461	1.10	27.063	1.056
600	6.876	33.458	1.28	27.132	1.109
650	6.645	33.456	1.33	27.159	1.160
700	6.070	33.457	1.37	27.225	1.209
750	5.685	33.455	1.72	27.265	1.255
800	5.540	33.455	1.82	27.280	1.300
850	5.251	33.455	1.95	27.315	1.345
900	5.033	33.455	1.91	27.343	1.387
950	4.663	33.456	1.97	27.386	1.428
1000	4.524	33.456	2.14	27.404	1.468
1050	4.462	33.455	2.10	27.413	

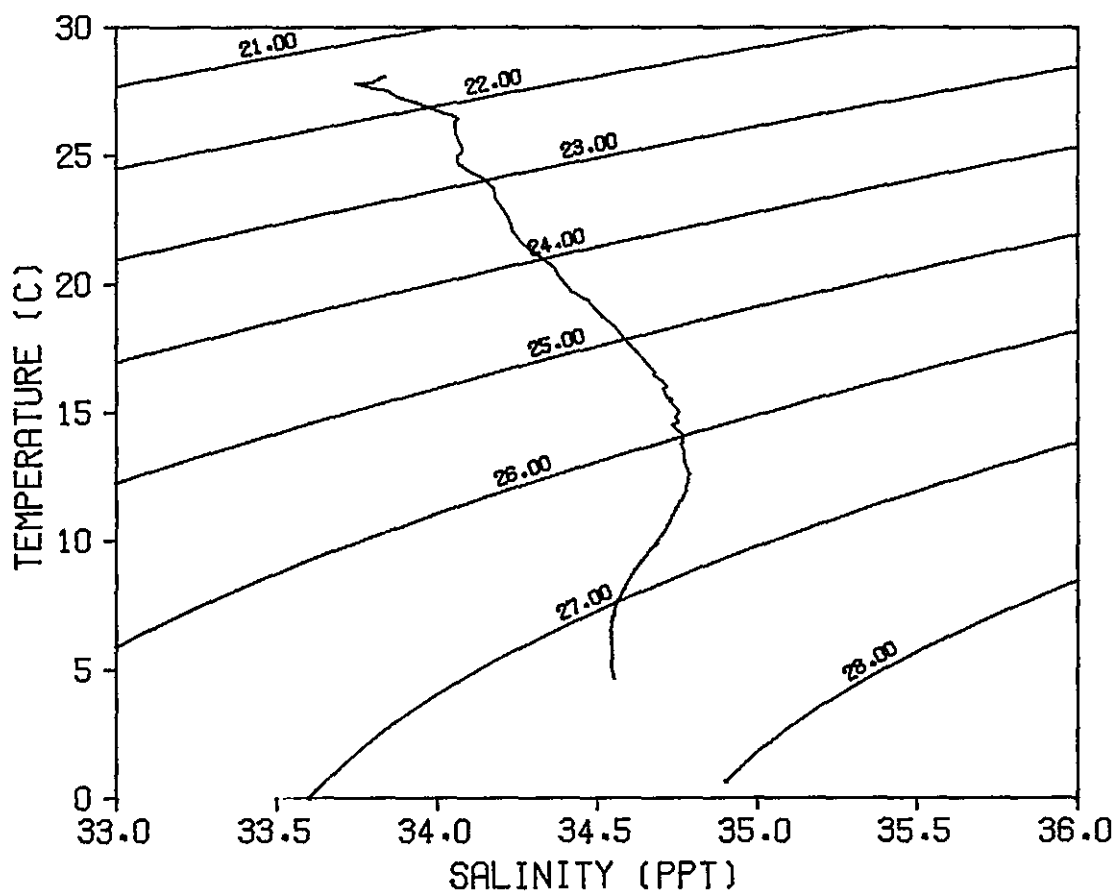


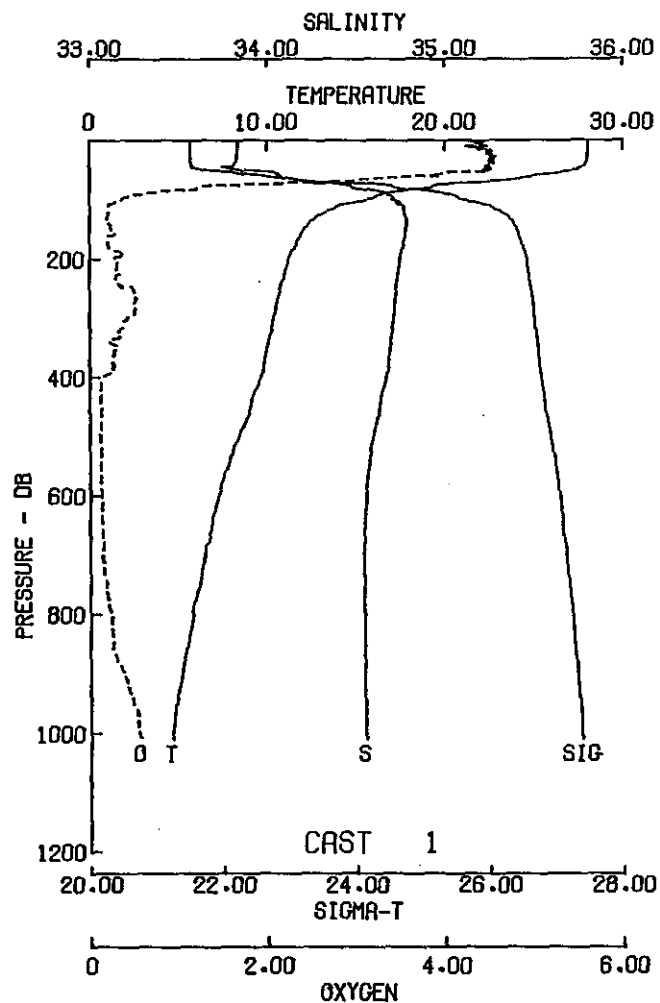
EP2-80-0C

21 March - 19 April 1980

NBIS CTD/O₂ Data Summary

CAST EP2-80-0C-001 DATE 26 MAR 80 TIME 0508 GMT
LAT 10 02.2N LONG 110 00.0W

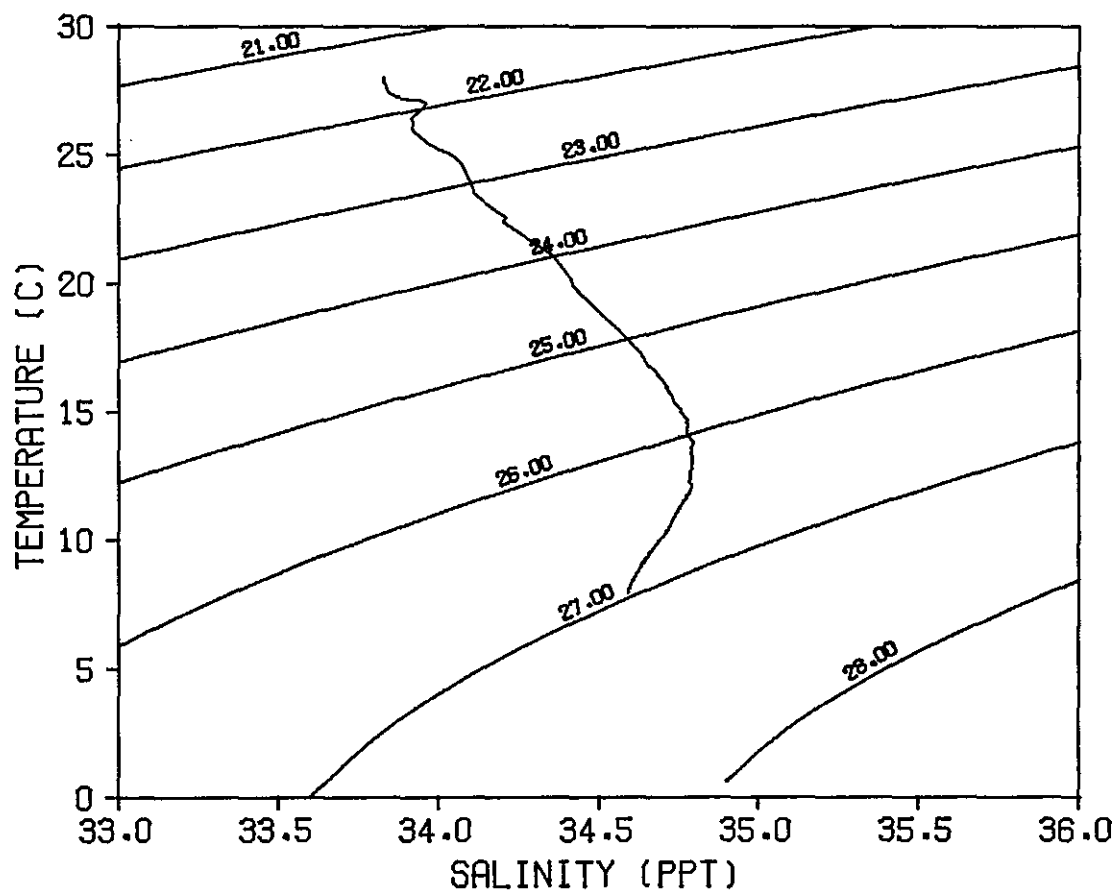


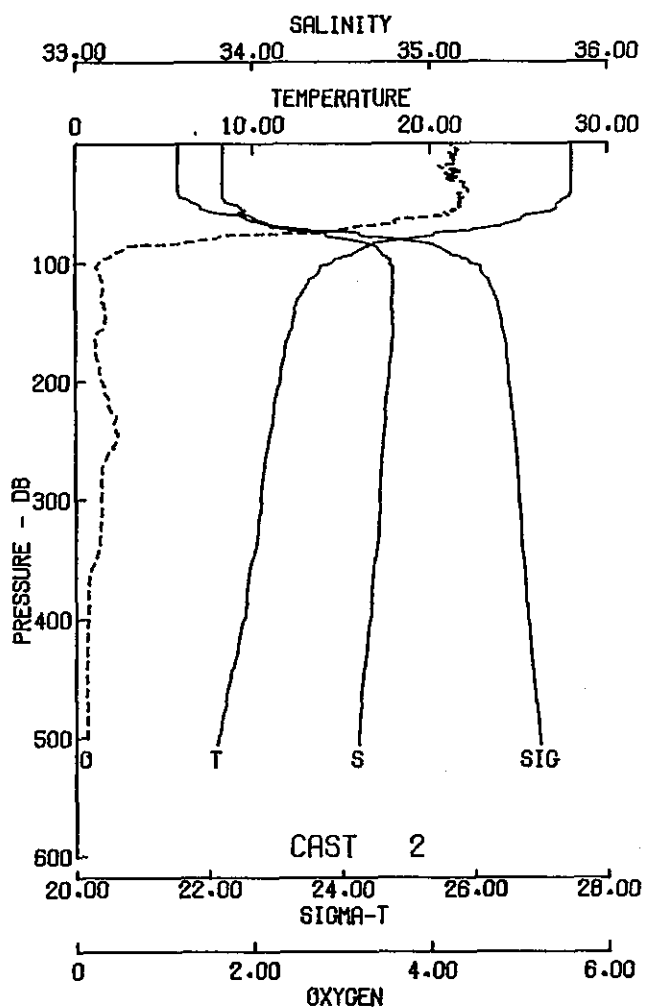


CAST EP2-80-0C-001 DATE 26 MAR 80 TIME 0508 GMT
 LAT 10 02.24 LONG 110 00.0W WEATHER 2 SEA STATE 4
 BAROMETER 09 WIND DIR 070 T SPD 13 KT VISIBILITY 5
 CLOUD 9 AMOUNT 6 DRY 26.6 WET 25.4 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.063	33.837	4.25	21.519	.000
10	28.570	33.838	4.28	21.518	.063
20	28.060	33.836	4.49	21.519	.126
30	28.024	33.832	4.59	21.528	.189
40	27.957	33.822	4.56	21.542	.252
50	27.486	33.847	4.53	21.714	.314
60	25.104	34.076	3.92	22.631	.371
70	22.597	34.221	3.76	23.477	.420
80	19.182	34.483	1.20	24.597	.457
90	16.715	34.669	.62	25.345	.487
100	15.921	34.705	.37	25.556	.512
110	14.103	34.768	.22	26.004	.535
120	13.399	34.769	.20	26.151	.555
130	12.736	34.782	.19	26.294	.573
140	12.371	34.784	.22	26.368	.590
150	12.124	34.780	.25	26.412	.607
160	11.911	34.779	.27	26.452	.623
170	11.743	34.771	.20	26.478	.640
180	11.556	34.764	.22	26.507	.656
190	11.330	34.749	.37	26.538	.671
200	11.195	34.746	.32	26.561	.687
250	10.732	34.726	.49	26.629	.762
300	10.371	34.711	.43	26.681	.835
350	10.002	34.691	.30	26.729	.906
400	9.630	34.667	.15	26.773	.975
450	9.085	34.635	.13	26.838	1.041
500	8.416	34.597	.13	26.914	1.105
550	7.789	34.571	.13	26.988	1.165
600	7.248	34.558	.13	27.056	1.222
650	6.902	34.549	.14	27.097	1.277
700	6.493	34.543	.14	27.148	1.329
750	6.167	34.545	.18	27.193	1.380
800	5.778	34.546	.23	27.243	1.428
850	5.517	34.548	.26	27.277	1.474
900	5.187	34.545	.30	27.314	1.518
950	4.378	34.550	.48	27.354	1.551
1000	4.659	34.554	.56	27.382	1.551
1008	4.625	34.552	.57	27.385	1.602

CAST EP2-80-0C-002 DATE 26 MAR 80 TIME 1117 GMT
LAT 09 00.6N LONG 109 59.6W

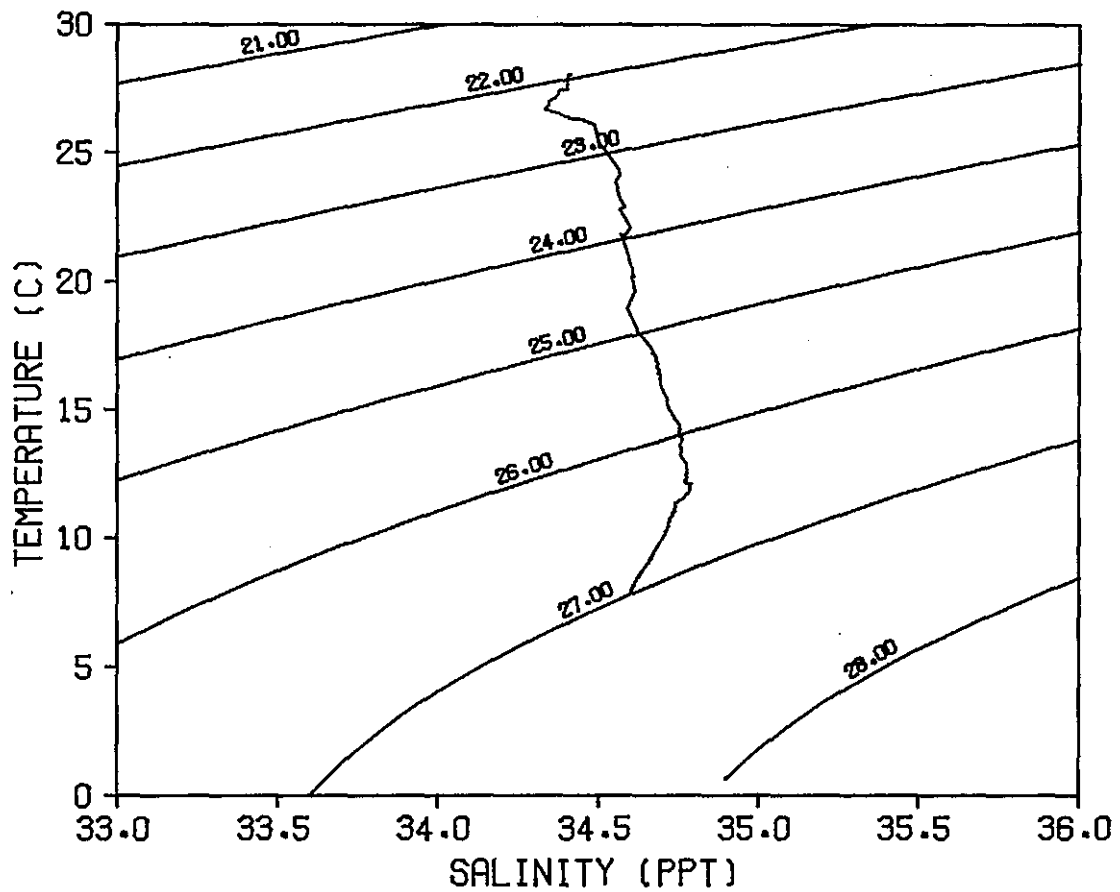




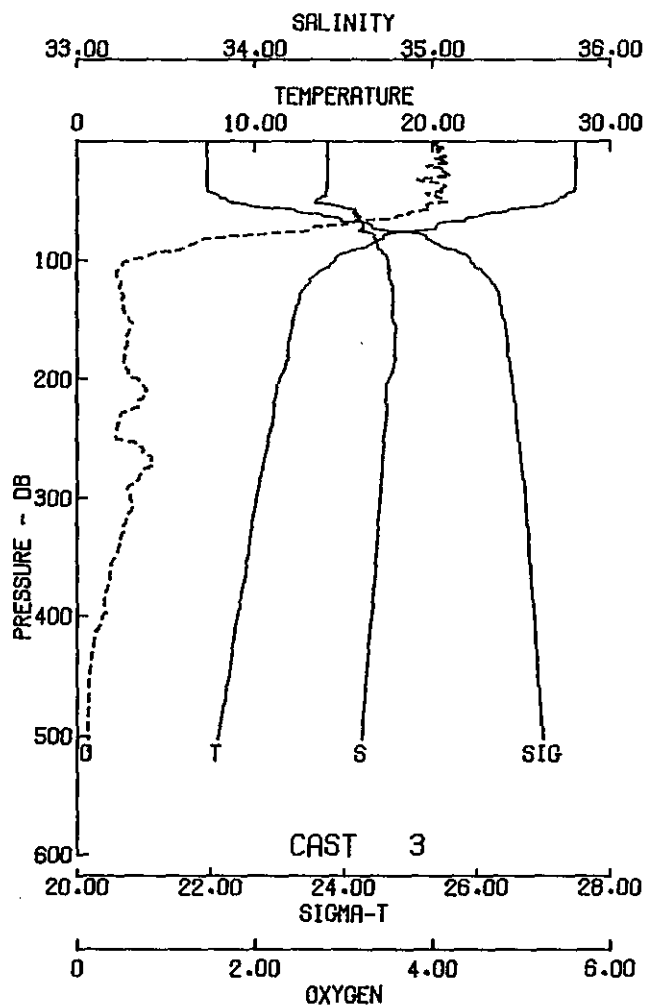
CAST EP2-BJ-0C-002 DATE 26 MAR 80 TIME 1117 GMT
 LAT 09 00.6N LONG 109 59.6W WEATHER 2 SEA STATE 3
 BAROMETER 05 WIND DIR 050 T SPD 15 KT VISIBILITY 8
 CLOUD X AMOUNT 8 DRY 27.5 WET 25.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.773	33.830	4.17	21.543	.000
10	27.976	33.831	4.30	21.543	.063
20	27.981	33.831	4.10	21.542	.125
30	27.983	33.831	4.21	21.541	.188
40	27.960	33.833	4.44	21.549	.251
50	27.268	33.863	4.33	21.796	.313
60	25.402	33.973	4.21	22.163	.372
70	23.465	34.110	3.15	22.143	.423
80	18.782	34.506	1.50	22.717	.463
90	15.955	34.711	.50	22.953	.490
100	14.449	34.777	.26	22.937	.513
110	13.597	34.787	.28	26.124	.533
120	12.994	34.792	.32	26.124	.551
130	12.581	34.784	.30	26.327	.569
140	12.363	34.786	.33	26.327	.586
150	12.221	34.785	.32	26.396	.603
160	12.326	34.790	.33	26.439	.620
170	11.816	34.782	.22	26.473	.636
180	11.760	34.778	.24	26.480	.652
190	11.590	34.770	.27	26.506	.668
200	11.545	34.767	.30	26.512	.684
250	10.875	34.734	.47	26.609	.760
300	10.465	34.717	.29	26.669	.834
350	9.770	34.686	.22	26.731	.905
400	9.466	34.658	.12	26.794	.973
450	8.709	34.619	.12	26.885	1.038
500	8.010	34.589	.12	26.970	1.099
506	7.948	34.592	.12	26.982	

CAST EP2-80-0C-003 DATE 26 MAR 80 TIME 1648 GMT
LAT 08 00.7N LONG 109 59.8W

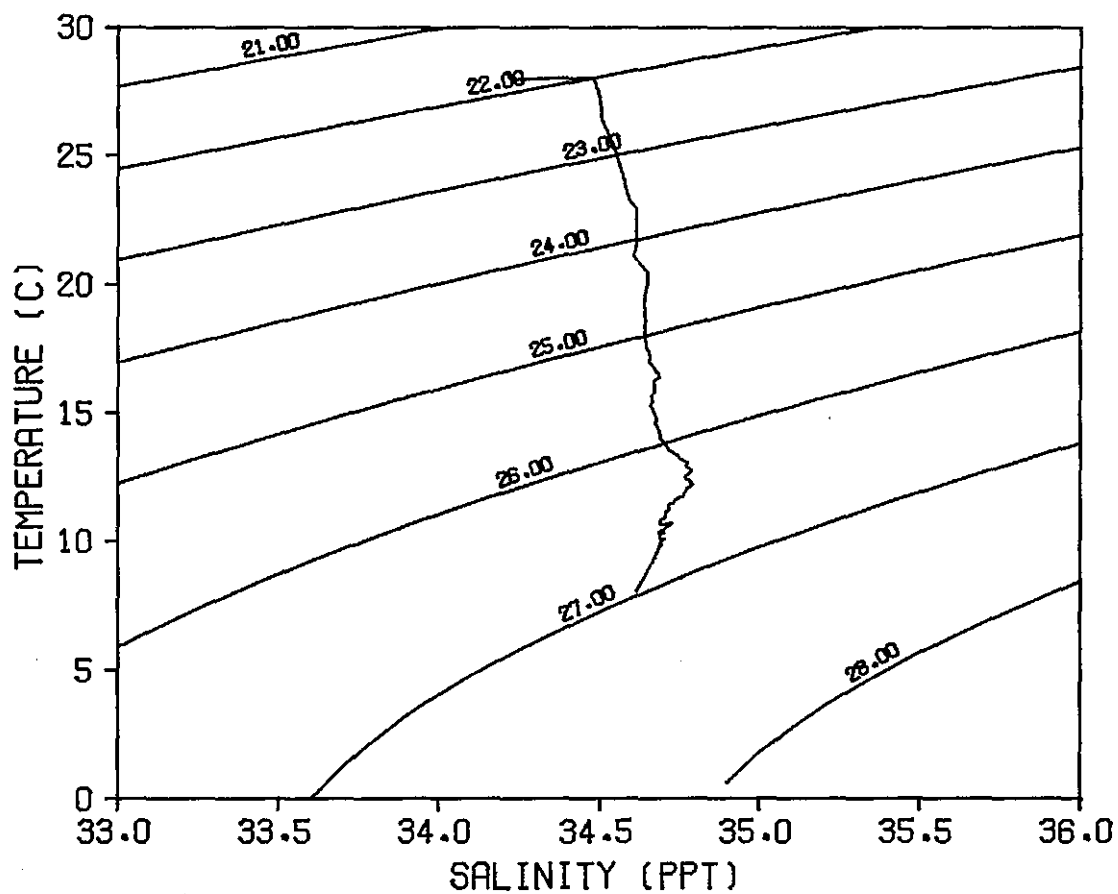


CAST EP2-80-DC-003 DATE 26 MAR 80 TIME 1648 GMT
 LAT 08 00.74 LONG 109 59.8W WEATHER 2 SEA STATE 3
 BAROMETER 09 WIND DIR 060 T SPD 14 KT VISIBILITY 7
 CLOUD 6 AMOUNT 7 DRY 28.2 WET 25.8 DEPTH M

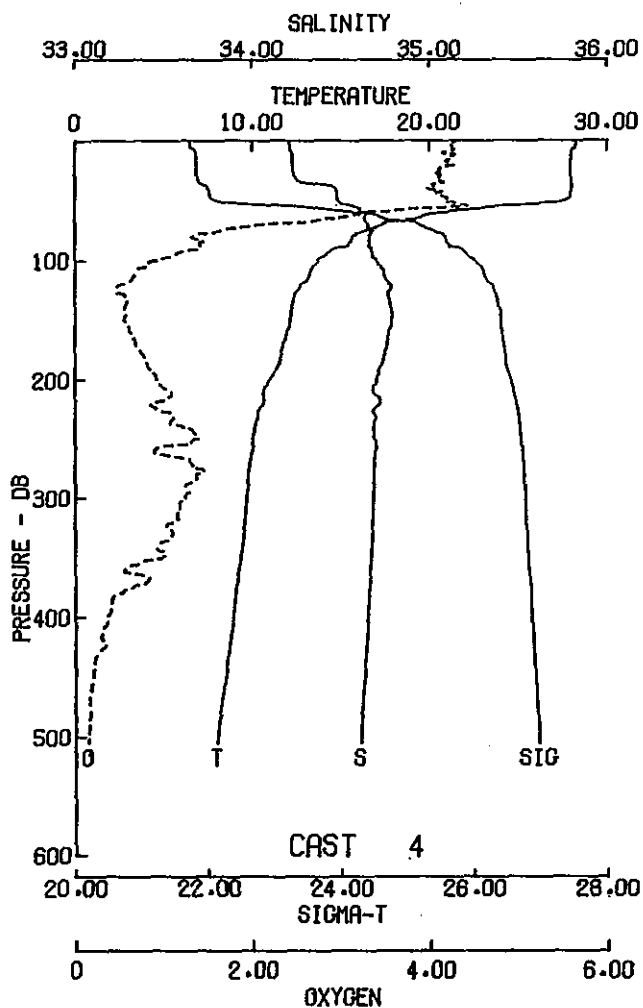


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.0660	34.410	4.02	21.950	.000
10	28.356	34.411	4.09	21.952	.059
20	28.0555	34.408	4.01	21.951	.118
30	28.052	34.408	4.11	21.951	.177
40	28.0399	34.407	4.11	21.955	.235
50	26.978	34.345	4.16	21.951	.293
60	23.8477	34.350	3.74	21.9365	.344
70	20.2999	34.606	3.01	22.4400	.384
80	17.223	34.671	1.86	22.226	.417
90	16.217	34.690	1.19	22.477	.444
100	14.505	34.747	.60	22.902	.466
110	13.670	34.757	.45	22.6085	.487
120	12.985	34.768	.50	22.6334	.506
130	12.539	34.778	.53	22.6332	.524
140	12.337	34.777	.52	22.6369	.541
150	12.175	34.771	.58	22.6395	.558
160	12.036	34.790	.58	22.6437	.574
170	11.900	34.788	.56	22.6462	.591
180	11.882	34.788	.54	22.6465	.607
190	11.699	34.778	.55	22.6492	.623
200	11.426	34.755	.68	22.6525	.639
250	10.777	34.725	.44	22.6520	.675
300	10.384	34.704	.59	22.6525	.715
350	9.584	34.684	.43	22.6578	.787
400	9.033	34.656	.28	22.6663	.920
450	8.565	34.629	.14	22.6916	.983
500	7.935	34.602	.12	22.6991	1.043
502	7.900	34.602	.12	22.6996	

CAST EP2-80-0C-004 DATE 26 MAR 80 TIME 2236 GMT
LAT 07 00.ON LONG 110 00.0W

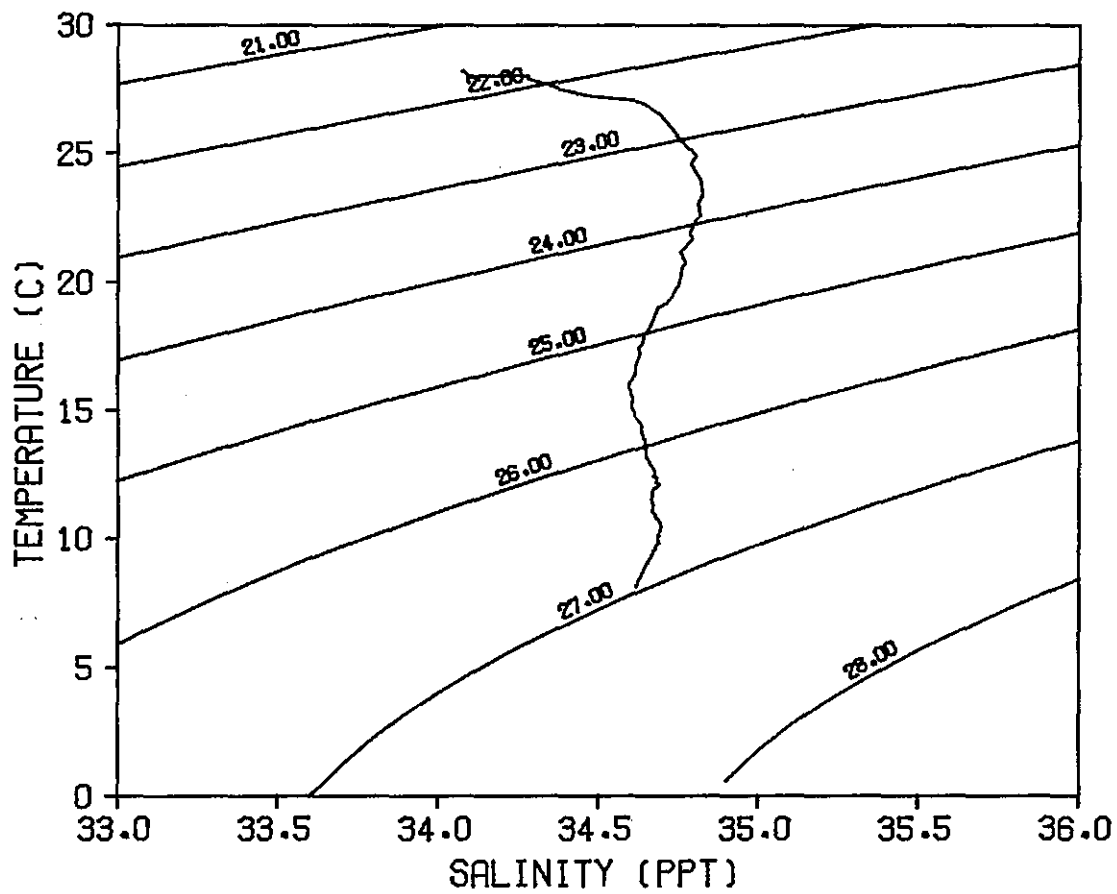


CAST EP2-80-DC-004 DATE 26 MAR 80 TIME 2236 GMT
 LAT 07 00.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
 BARMETER 05 WIND DIR 090 T SPD 12 KT VISIBILITY 8
 CLOUD 6 AMOUNT 5 DRY 28.8 WET 26.0 DEPTH M

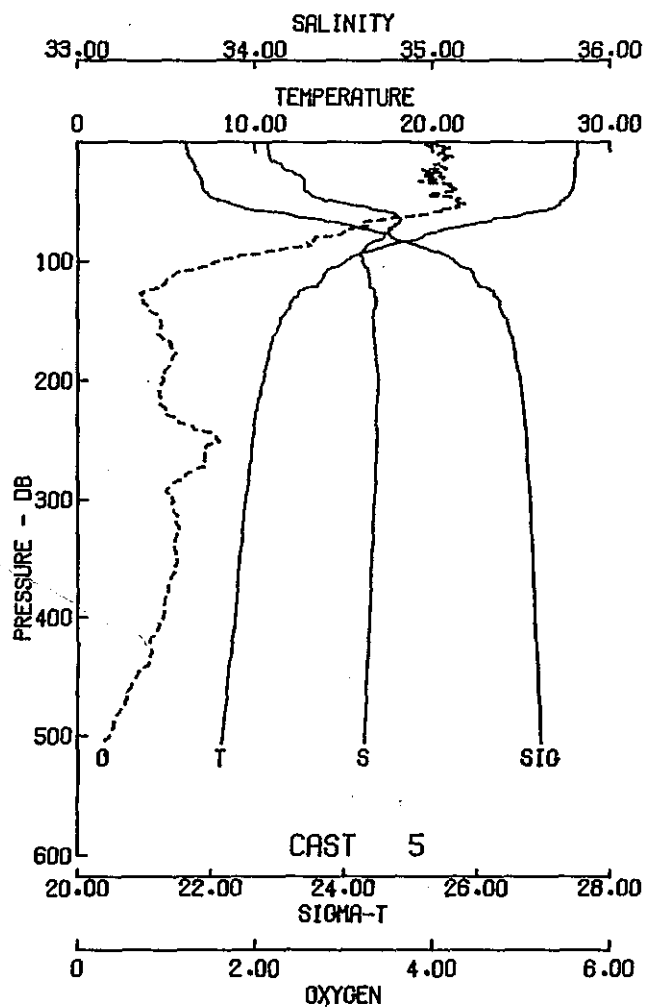


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.263	34.216	4.34	21.738	.000
10	28.021	34.231	4.14	21.829	.061
20	27.989	34.233	4.27	21.841	.121
30	27.991	34.243	4.13	21.848	.180
40	28.023	34.468	3.98	22.006	.240
50	27.723	34.485	4.18	22.116	.298
60	21.578	34.605	3.29	24.190	.345
70	17.375	34.652	2.12	25.175	.379
80	15.683	34.662	1.34	25.577	.404
90	14.726	34.676	1.42	25.799	.428
100	13.774	34.702	.91	26.022	.449
110	13.303	34.743	.68	26.150	.469
120	12.771	34.784	.52	26.289	.488
130	12.415	34.771	.58	26.349	.505
140	12.258	34.782	.57	26.388	.522
150	12.145	34.785	.55	26.412	.539
160	11.975	34.769	.64	26.432	.555
170	11.780	34.761	.69	26.463	.572
180	11.530	34.743	.77	26.477	.588
190	11.416	34.718	.83	26.498	.604
200	10.986	34.700	.93	26.563	.619
250	10.064	34.689	1.39	26.717	.692
300	9.689	34.682	1.24	26.776	.760
350	9.362	34.672	1.00	26.822	.826
400	8.946	34.653	.37	26.874	.890
450	8.495	34.633	.20	26.930	.952
500	8.060	34.612	.15	26.980	1.012
505	8.034	34.611	.15	26.984	

CAST EP2-80-0C-005 DATE 27 MAR 80 TIME 0415 GMT
LAT 06 00.4N LONG 109 58.9W

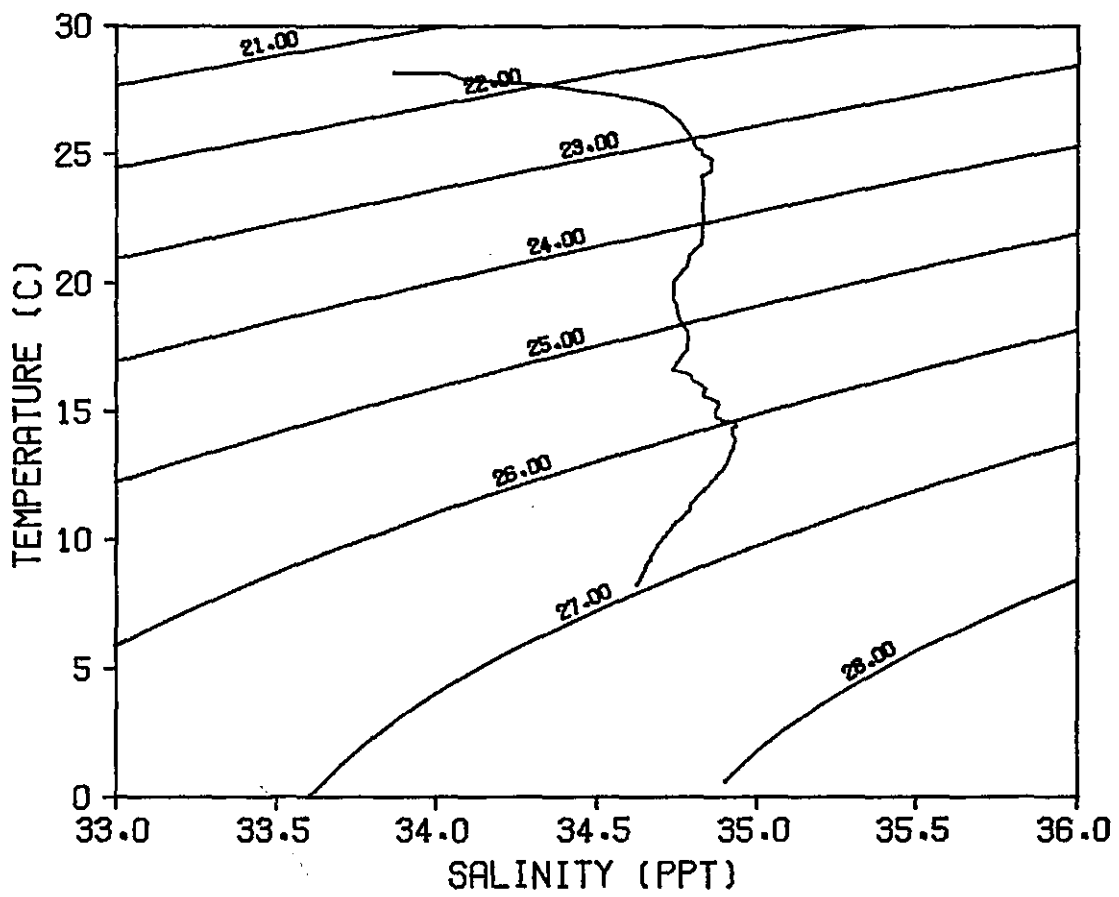


CAST EP2-80-0C-005 DATE 27 MAR 80 TIME 0415 GMT
 LAT 06 00.4N LONG 109 58.9W WEATHER 2 SEA STATE 4
 BAROMETER 07 WIND DIR 080 T SPD 14 KT VISIBILITY 8
 CLOUD 9 AMOUNT 2 DRY 27.7 WET 25.6 DEPTH M

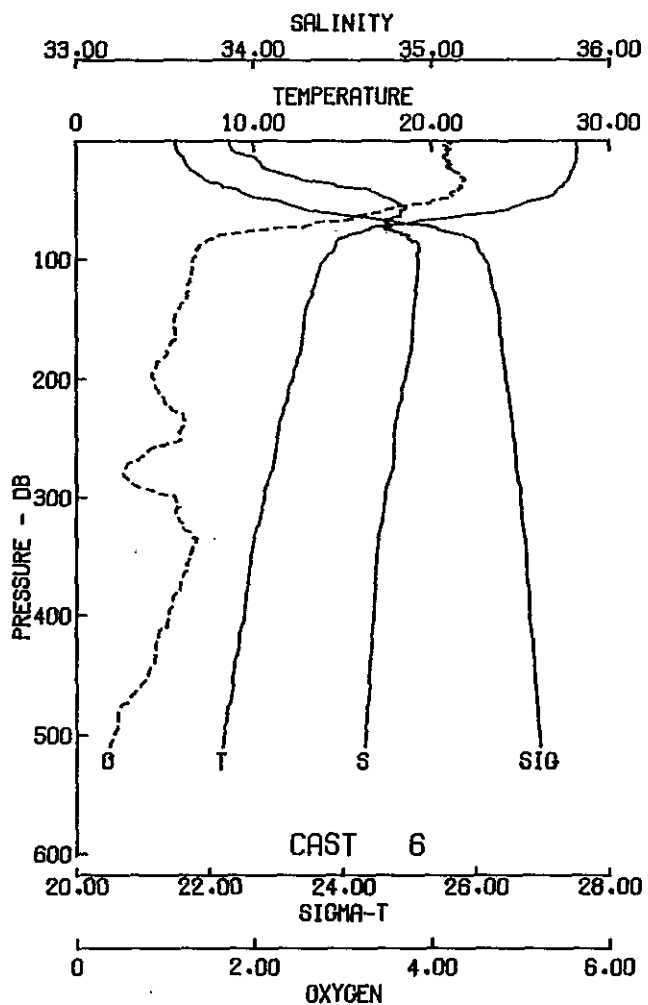


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.201	34.075		21.652	.000
10	28.178	34.077	4.03	21.662	.062
20	28.026	34.150	4.08	21.767	.123
30	28.011	34.269	4.05	21.861	.183
40	27.897	34.280	4.14	21.906	.243
50	27.302	34.444	4.29	22.221	.301
60	25.213	34.777	4.25	23.127	.354
70	21.888	34.784	3.98	24.103	.397
80	19.478	34.730	3.27	24.710	.432
90	16.883	34.619	2.70	25.267	.453
100	15.100	34.603	2.35	25.661	.488
110	13.915	34.640	1.54	25.945	.510
120	13.546	34.647	1.12	26.026	.531
130	12.393	34.680	.93	26.283	.550
140	11.983	34.678	.73	26.361	.567
150	11.418	34.666	.83	26.458	.584
160	11.212	34.669	.94	26.498	.500
170	10.915	34.676	.91	26.557	.615
180	10.782	34.683	1.06	26.587	.630
190	10.645	34.691	1.09	26.617	.645
200	10.474	34.694	1.01	26.650	.660
250	9.846	34.687	.97	26.752	.729
300	9.466	34.672	1.60	26.805	.796
350	9.138	34.658	1.08	26.848	.861
400	8.906	34.649	1.11	26.878	.925
450	8.497	34.631	.98	26.928	.987
500	8.188	34.618	.68	26.955	1.047
506	8.129	34.619	.36	26.975	
			.30		

CAST EP2-80-0C-006 DATE 27 MAR 80 TIME 0937 GMT
LAT 05 00.ON LONG 110 00.OW

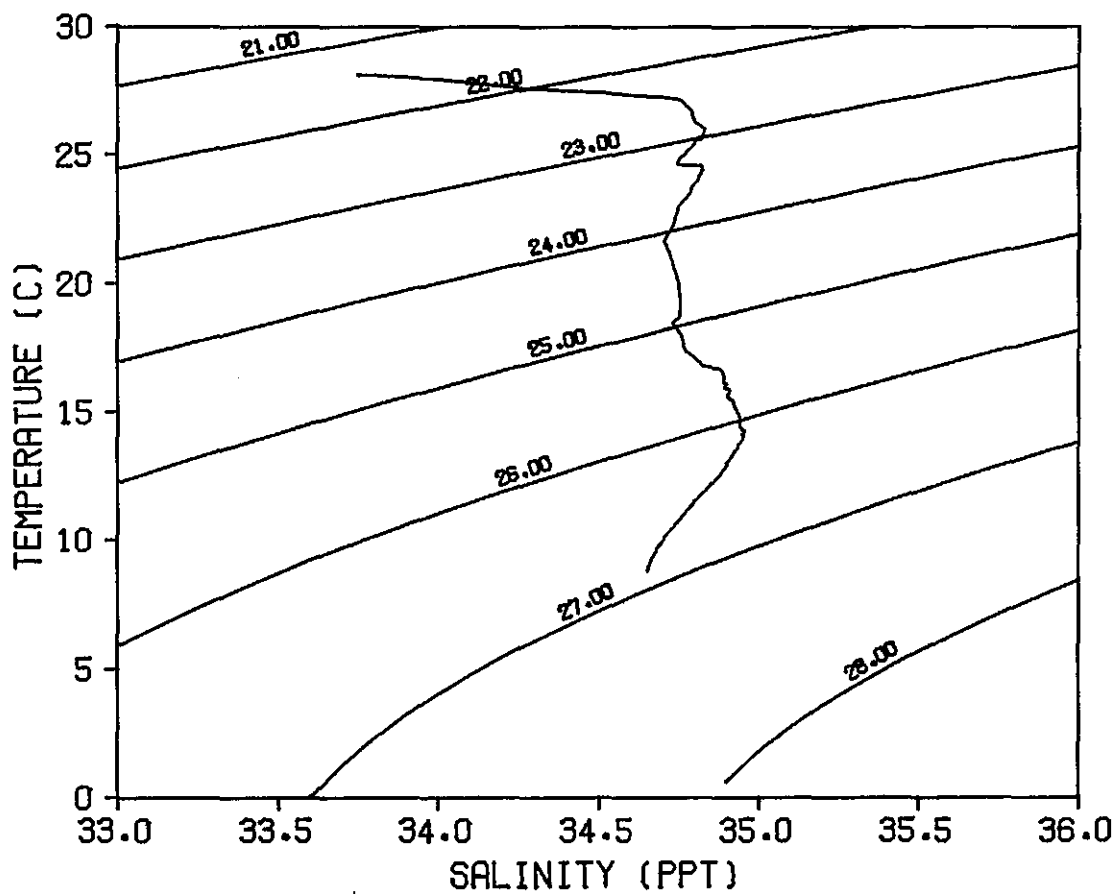


CAST EP2-80-0C-006 DATE 27 MAR 80 TIME 0937 GMT
 LAT 05 00.0N LONG 110 00.0W WEATHER 1 SEA STATE 5
 BAROMETER 05 WIND DIR 120 T SPD 14 KT VISIBILITY 7
 CLOUD 9 AMOUNT 6 DRY 27.0 WET 25.0 DEPTH M

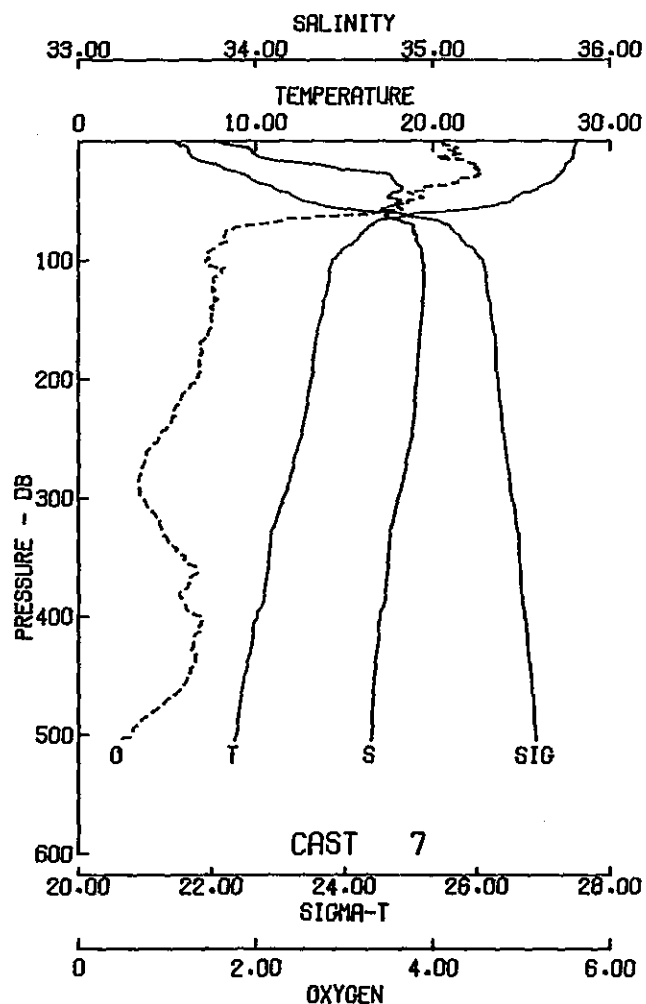


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.188	33.869	4.17	21.502	.000
10	28.178	33.902	4.20	21.530	.063
20	28.095	34.041	4.22	21.662	.125
30	27.802	34.219	4.32	21.891	.186
40	27.295	34.557	4.33	22.309	.244
50	26.029	34.769	4.06	22.869	.297
60	23.694	34.828	3.44	23.620	.343
70	18.634	34.753	2.65	24.942	.380
80	15.375	34.877	1.65	25.811	.406
90	14.571	34.929	1.39	26.028	.427
100	14.025	34.925	1.32	26.141	.446
110	13.589	34.925	1.31	26.211	.465
120	13.489	34.920	1.27	26.249	.483
130	13.256	34.913	1.25	26.291	.501
140	12.962	34.902	1.17	26.342	.519
150	12.844	34.897	1.11	26.362	.536
160	12.815	34.894	1.12	26.366	.553
170	12.582	34.887	1.07	26.387	.570
180	12.563	34.877	1.01	26.402	.587
190	12.354	34.865	.89	26.434	.604
200	12.216	34.854	.88	26.452	.620
250	11.317	34.788	1.18	26.571	.699
300	10.584	34.739	1.11	26.666	.774
350	9.837	34.690	1.26	26.756	.844
400	9.474	34.676	1.04	26.807	.912
450	8.839	34.649	.81	26.888	.976
500	8.301	34.627	.43	26.955	1.038
509	8.248	34.623	.38	26.960	

CAST EP2-80-0C-007 DATE 27 MAR 80 TIME 1456 GMT
LAT 04 00.0N LONG 110 00.0W

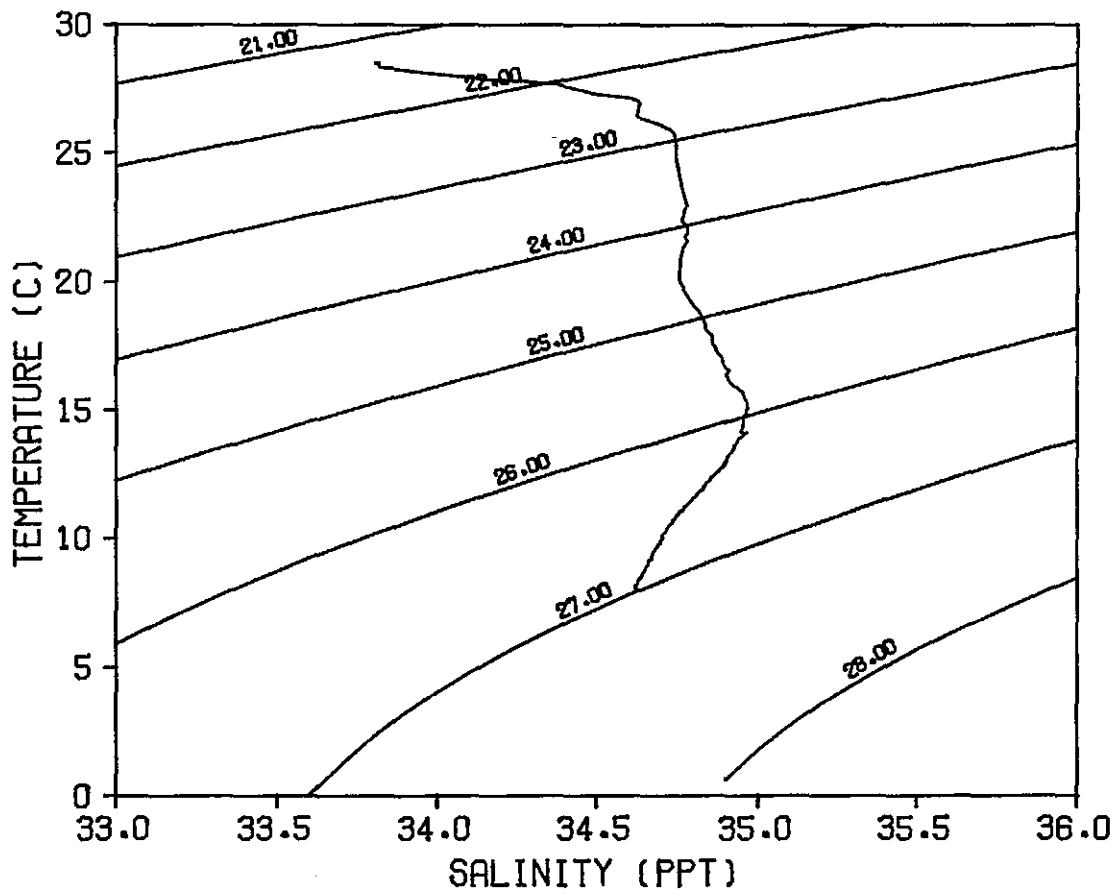


CAST EP2-80-0C-007 DATE 27 MAR 80 TIME 1456 GMT
 LAT 04 00.0N LONG 110 00.0W WEATHER 1 SEA STATE 4
 BAROMETER 06 WIND DIR 120 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMJUNT 4 DRY 27.2 WET 25.2 DEPTH M

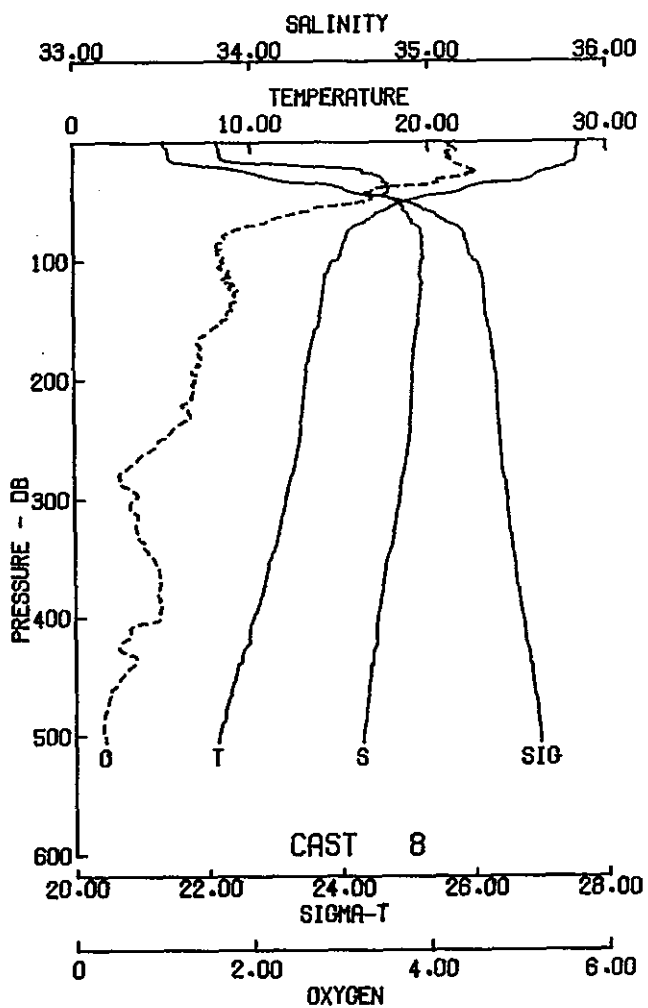


PRES (DB)	TEMP (C)	SAL (PPT)	DOXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.116	33.752	4.08	21.438	.000
10	27.954	33.982	4.28	21.663	.062
20	27.537	33.334	4.50	22.063	.123
30	27.034	33.476	4.49	22.548	.178
40	25.918	33.826	3.91	22.946	.230
50	24.573	33.820	3.73	23.353	.277
60	20.085	33.474	3.37	24.564	.319
70	16.652	33.881	2.06	25.522	.347
80	15.868	33.907	1.66	25.723	.371
90	15.046	33.930	1.56	25.923	.393
100	14.332	33.944	1.45	26.086	.414
110	14.157	33.949	1.61	26.132	.433
120	14.108	33.949	1.52	26.142	.452
130	13.971	33.948	1.51	26.170	.472
140	13.795	33.940	1.49	26.201	.490
150	13.674	33.935	1.50	26.222	.509
160	13.489	33.929	1.47	26.256	.527
170	13.346	33.921	1.37	26.279	.545
180	13.227	33.918	1.38	26.290	.563
190	13.241	33.916	1.36	26.297	.581
200	13.121	33.909	1.33	26.316	.599
250	12.542	33.880	.91	26.408	.685
300	11.502	33.809	.71	26.534	.767
350	10.770	33.751	1.20	26.642	.843
400	10.497	33.703	1.34	26.722	.917
450	9.382	33.671	1.25	26.817	.985
500	8.304	33.653	.59	26.881	1.050
505	8.509	33.652	.45	26.895	

CAST EP2-80-0C-008 DATE 27 MAR 80 TIME 2025 GMT
LAT 03 00.ON LONG 110 00.0W

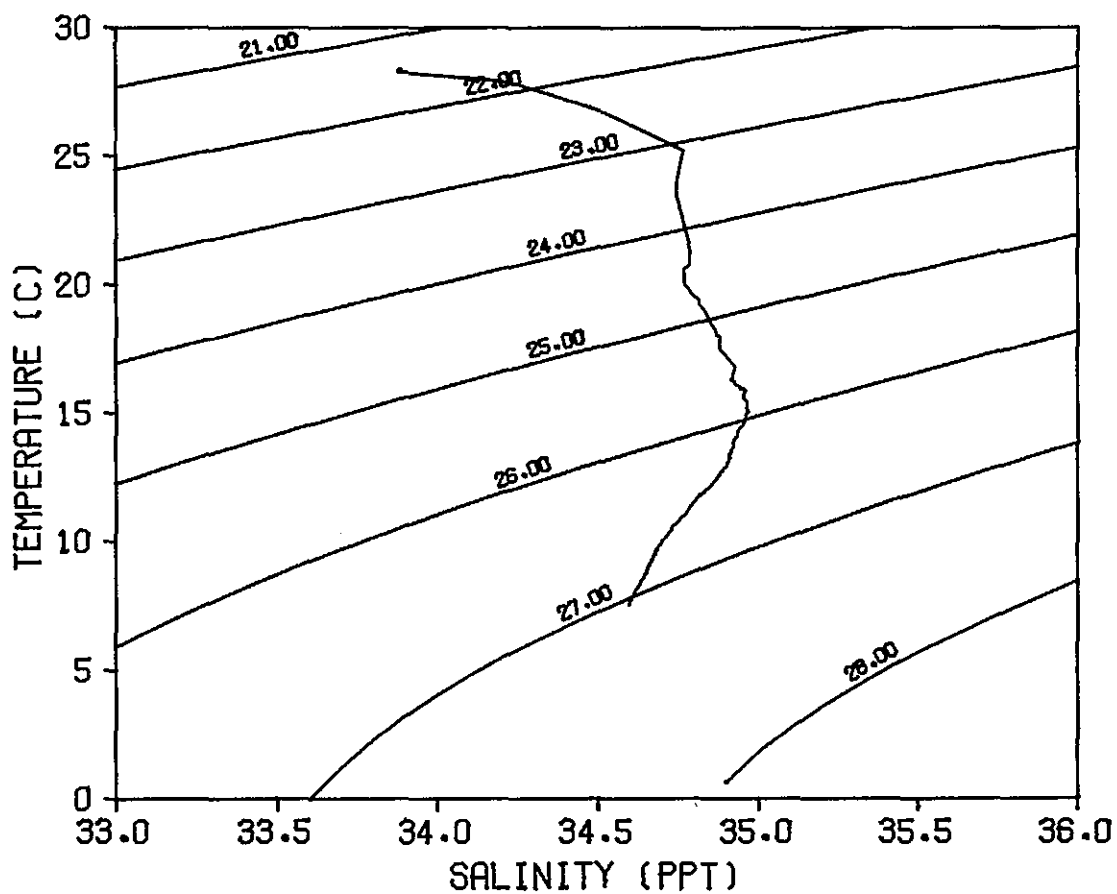


CAST EP2-80-DC-008 DATE 27 MAR 80 TIME 2025 GMT
 LAT 03 00.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
 BARMETER 05 WIND DIR 090 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 7 DRY 29.0 WET 25.0 DEPTH M

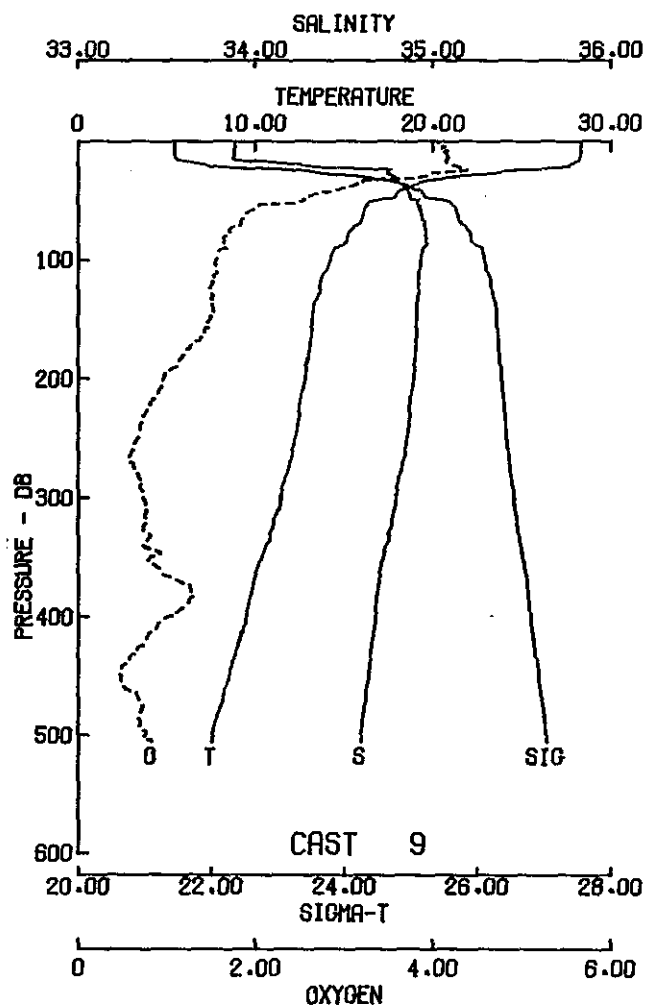


PRES (DB)	TEMP (C)	SAL (PPT)	DOY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.490	33.808	4.30	21.357	.000
10	28.323	33.824	4.20	21.424	.064
20	27.811	34.250	4.35	21.911	.127
30	25.873	34.732	4.31	22.890	.180
40	21.996	34.781	3.42	24.071	.225
50	18.813	34.816	3.35	24.945	.260
60	17.213	34.872	2.92	25.382	.288
70	15.981	34.923	2.10	25.710	.313
80	15.377	34.963	1.69	25.877	.335
90	15.174	34.964	1.68	25.923	.356
100	14.830	34.960	1.66	25.995	.377
110	14.317	34.952	1.75	26.100	.397
120	14.108	34.961	1.84	26.151	.416
130	14.015	34.953	1.83	26.165	.435
140	13.944	34.947	1.75	26.175	.452
150	13.820	34.938	1.70	26.179	.473
160	13.533	34.925	1.53	26.244	.491
170	13.369	34.917	1.39	26.271	.509
180	13.255	34.911	1.41	26.289	.527
190	13.084	34.906	1.35	26.320	.545
200	13.007	34.901	1.34	26.333	.563
250	12.569	34.884	.98	26.386	.649
300	11.884	34.829	.68	26.496	.733
350	11.068	34.762	.68	26.596	.812
400	10.074	34.703	.97	26.726	.886
450	9.024	34.659	.54	26.867	.953
500	8.575	34.621	.33	26.984	1.015
506	8.026	34.619	.34	26.990	

CAST EP2-80-0C-009 DATE 28 MAR 80 TIME 0236 GMT
LAT 02 00.0N LONG 110 00.0W

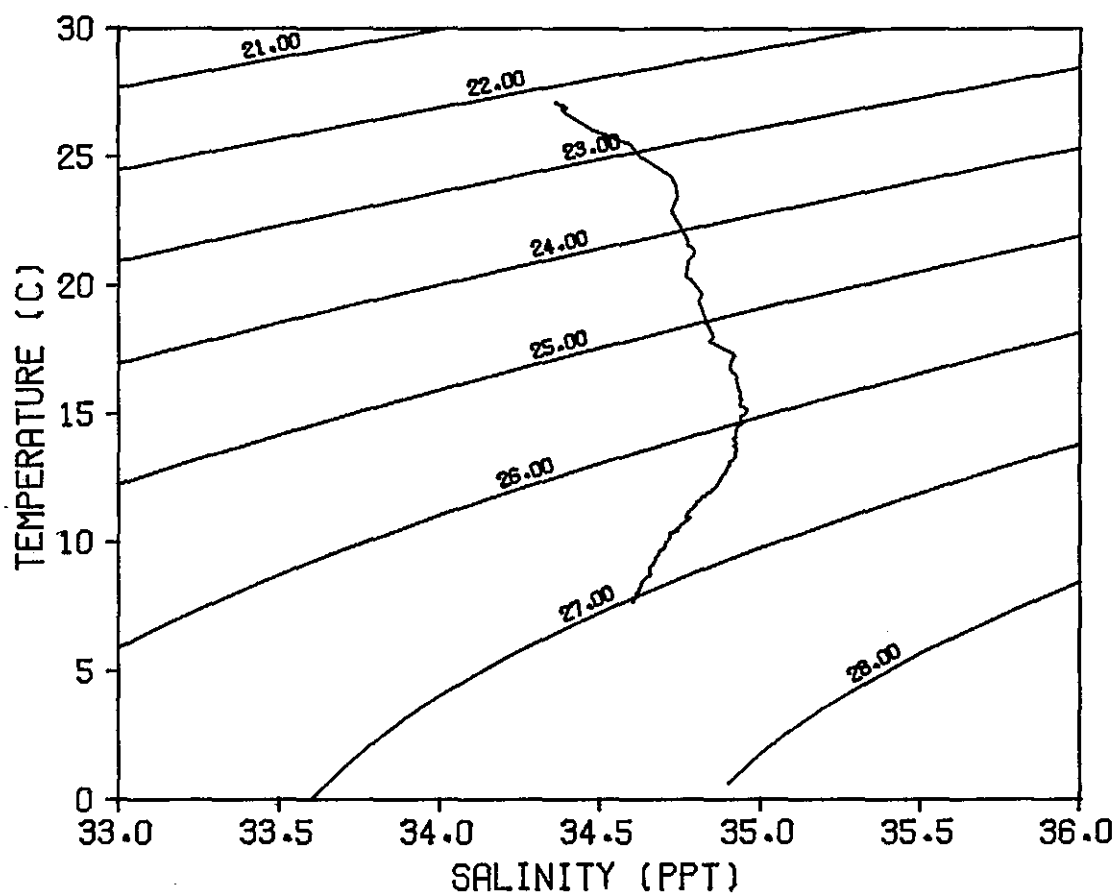


CAST EP2-83-0C-009 DATE 28 MAR 80 TIME 0236 GMT
 LAT 02 00.0N LONG 110 00.0W WEATHER 2 SEA STATE 3
 BAROMETER 03 WIND DIR 070 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 27.6 WET 24.8 DEPTH M

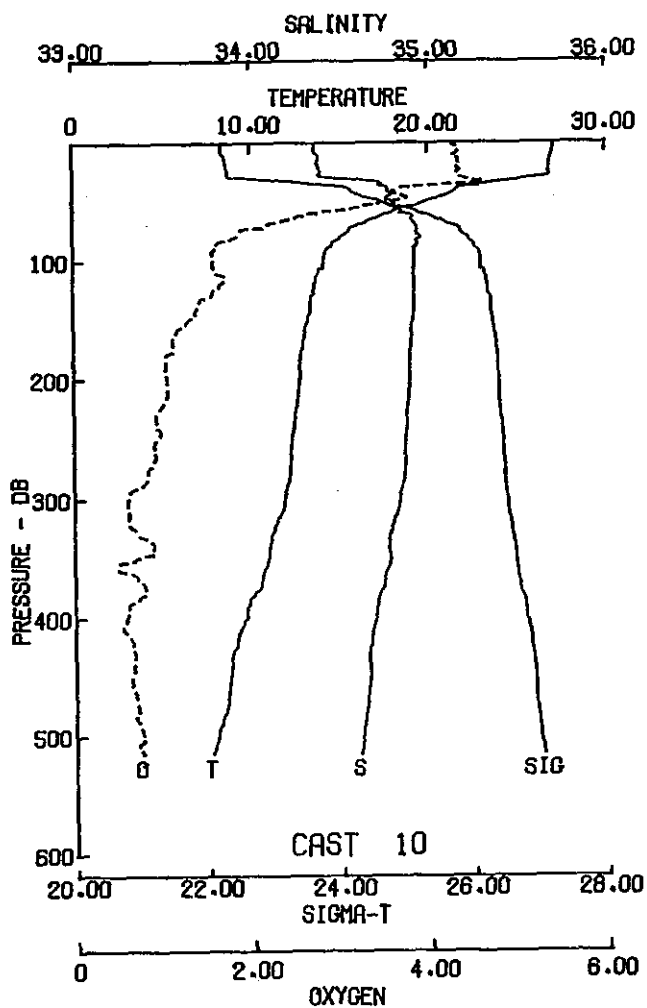


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.358	33.886	4.12	21.459	.000
10	28.345	33.886	4.15	21.463	.063
20	27.776	33.755	4.21	21.926	.126
30	27.382	33.786	3.93	24.272	.174
40	26.334	33.847	2.99	25.039	.206
50	16.787	33.927	2.57	25.525	.234
60	16.095	33.932	1.91	25.690	.258
70	15.836	33.958	1.83	25.770	.281
80	15.240	33.962	1.68	25.907	.303
90	14.690	33.950	1.68	26.061	.324
100	14.225	33.933	1.55	26.105	.343
110	13.394	33.924	1.57	26.146	.362
120	13.685	33.921	1.52	26.209	.381
130	13.336	33.914	1.53	26.235	.399
140	13.274	33.909	1.52	26.285	.418
150	13.236	33.910	1.50	26.293	.435
160	13.181	33.909	1.43	26.303	.453
170	13.092	33.907	1.29	26.320	.471
180	13.007	33.903	1.19	26.334	.488
190	12.879	33.897	1.12	26.355	.506
200	12.824	33.893	.96	26.363	.523
250	12.277	33.857	.67	26.442	.607
300	11.448	33.794	.73	26.551	.688
350	10.441	33.723	.83	26.683	.763
400	9.500	33.677	1.02	26.803	.833
450	8.559	33.641	.49	26.927	.897
500	7.610	33.597	.77	27.035	.955
506	7.548	33.597	.83	27.044	

CAST EP2-80-0C-010 DATE 28 MAR 80 TIME 0646 GMT
LAT 01 30.8N LONG 109 59.2W

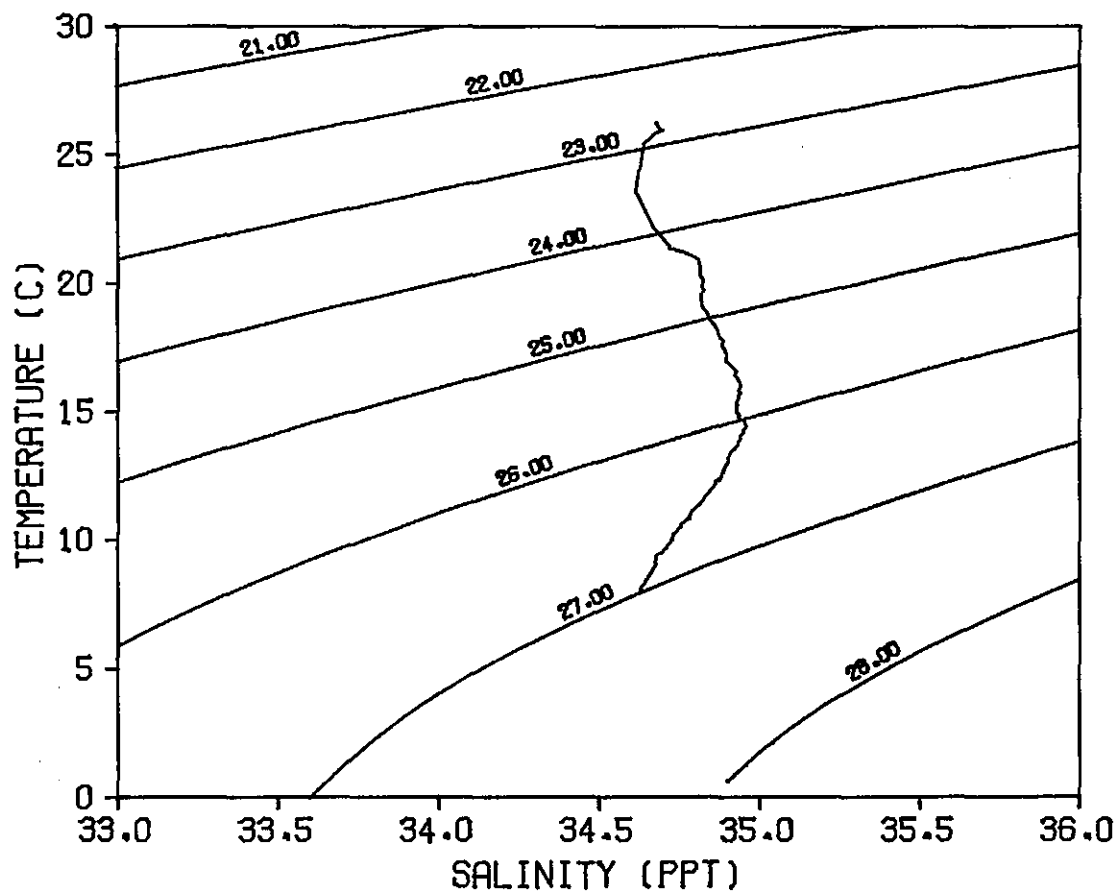


CAST EP2-83-0C-010 DATE 28 MAR 80 TIME 0646 GMT
 LAT 01 30.8N LONG 109 59.2W WEATHER 2 SEA STATE 3
 BARDMETER 08 WIND DIR 130 T SPD 09 KT VISIBILITY 8
 CLOUD 8 AMOUNT 6 DRY 27.0 WET 24.7 DEPTH M

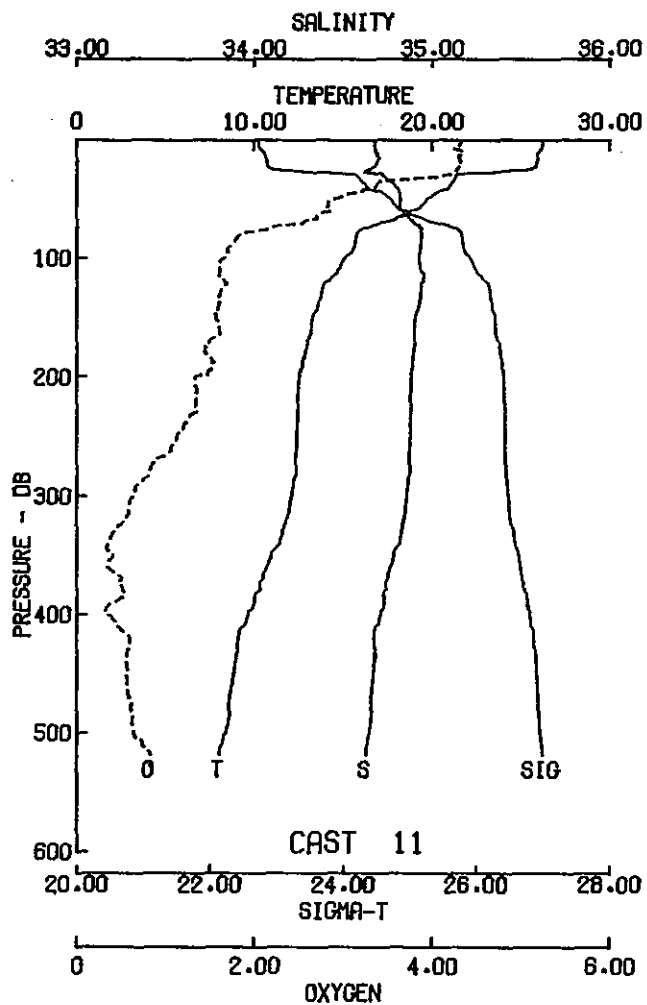


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.090	34.361	4.27	22.227	.000
10	27.000	34.377	4.31	22.268	.056
20	26.876	34.385	4.34	22.313	.112
30	26.026	34.475	4.41	22.649	.167
40	21.597	34.774	3.61	24.176	.210
50	19.948	34.798	3.57	24.639	.246
60	17.813	34.841	2.66	25.213	.276
70	16.017	34.930	2.17	25.707	.302
80	15.103	34.958	1.82	25.934	.324
90	14.357	34.924	1.59	26.070	.344
100	14.097	34.922	1.57	26.124	.363
110	13.809	34.922	1.61	26.184	.382
120	13.590	34.923	1.66	26.230	.401
130	13.392	34.921	1.53	26.269	.419
140	13.345	34.920	1.39	26.278	.437
150	13.214	34.915	1.30	26.301	.455
160	13.031	34.905	1.15	26.331	.473
170	12.926	34.902	1.12	26.349	.490
180	12.784	34.895	1.04	26.372	.507
190	12.751	34.894	1.05	26.378	.524
200	12.723	34.892	1.05	26.382	.541
250	12.283	34.868	.95	26.450	.625
300	11.838	34.831	.60	26.507	.707
350	10.929	34.781	.69	26.636	.785
400	9.656	34.693	.57	26.789	.856
450	8.715	34.659	.64	26.916	.919
500	8.036	34.619	.77	26.990	.980
515	7.676	34.602	.75	27.030	

CAST EP2-80-0C-011 DATE 28 MAR 80 TIME 1044 GMT
LAT 01 00.ON LONG 110 00.OW

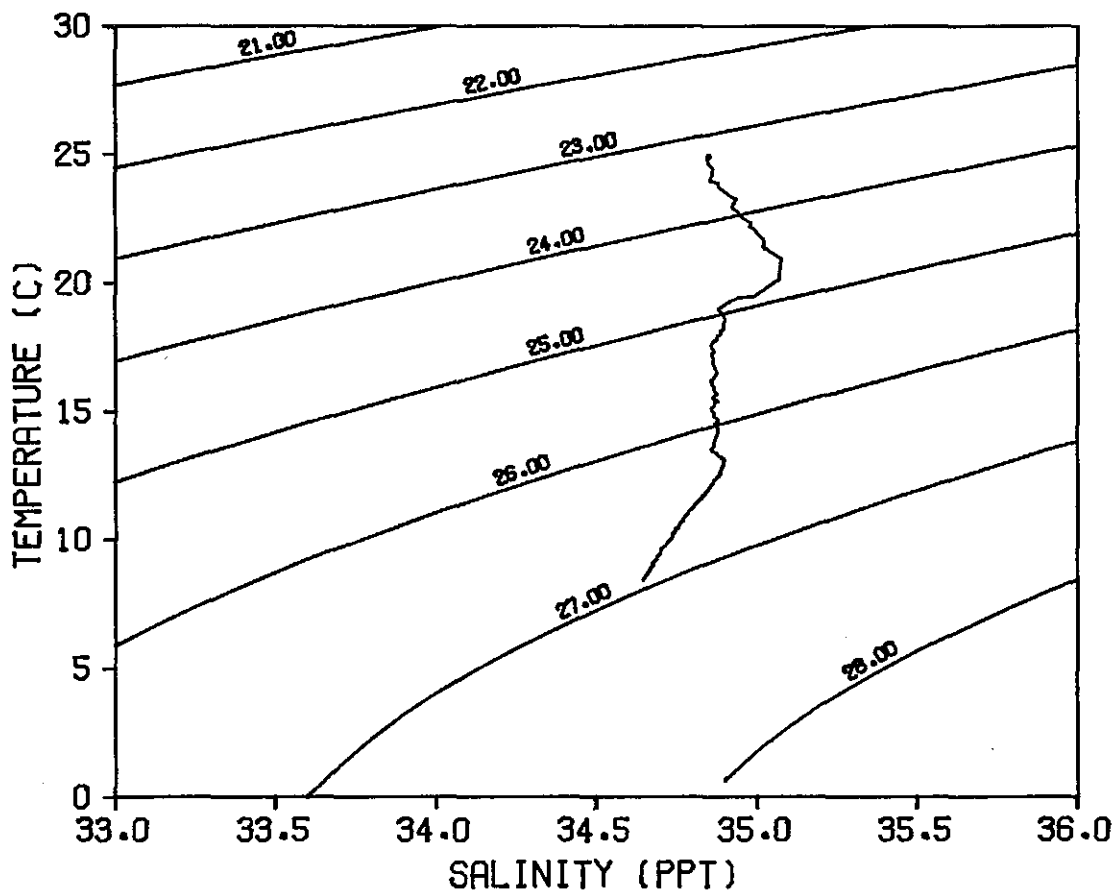


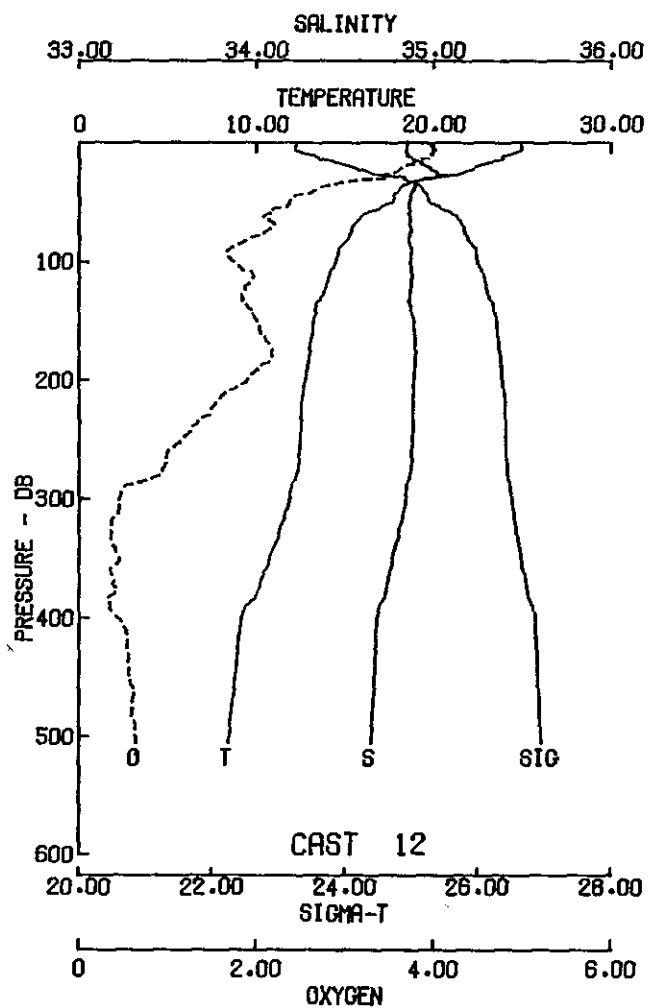
CAST EP2-80-0C-011 DATE 28 MAR 80 TIME 1044 GMT
 LAT 01 00.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 05 WIND DIR 150 T SPD 10 KT VISIBILITY 8
 CLOUD 2 AMOUNT 3 DRY 25.5 WET 24.4 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.231	34.679	4.31	22.738	.000
10	26.036	34.687	4.33	22.802	.051
20	25.861	34.684	4.30	22.857	.101
30	21.370	34.718	4.13	24.197	.148
40	20.963	34.801	3.32	24.370	.184
50	19.730	34.824	2.89	24.715	.218
60	18.797	34.838	2.86	24.967	.250
70	17.213	34.897	2.55	25.402	.279
80	15.747	34.941	1.85	25.777	.302
90	15.616	34.935	1.73	25.802	.325
100	15.086	34.929	1.67	25.915	.347
110	14.718	34.938	1.62	26.003	.368
120	14.070	34.942	1.67	26.145	.388
130	13.749	34.935	1.61	26.207	.406
140	13.570	34.926	1.60	26.237	.425
150	13.263	34.904	1.57	26.283	.443
160	13.211	34.902	1.61	26.292	.461
170	12.997	34.902	1.50	26.335	.478
180	12.844	34.894	1.46	26.359	.496
190	12.690	34.890	1.51	26.387	.513
200	12.530	34.881	1.34	26.412	.530
250	12.402	34.879	1.13	26.435	.613
300	12.074	34.858	.63	26.482	.696
350	10.934	34.782	.41	26.636	.775
400	9.646	34.709	.37	26.804	.846
450	8.837	34.668	.56	26.904	.910
500	8.410	34.646	.63	26.953	.971
518	8.041	34.628	.83	26.996	

CAST EP2-80-0C-012 DATE 28 MAR 80 TIME 1414 GMT
LAT 00 28.0N LONG 109 59.0W

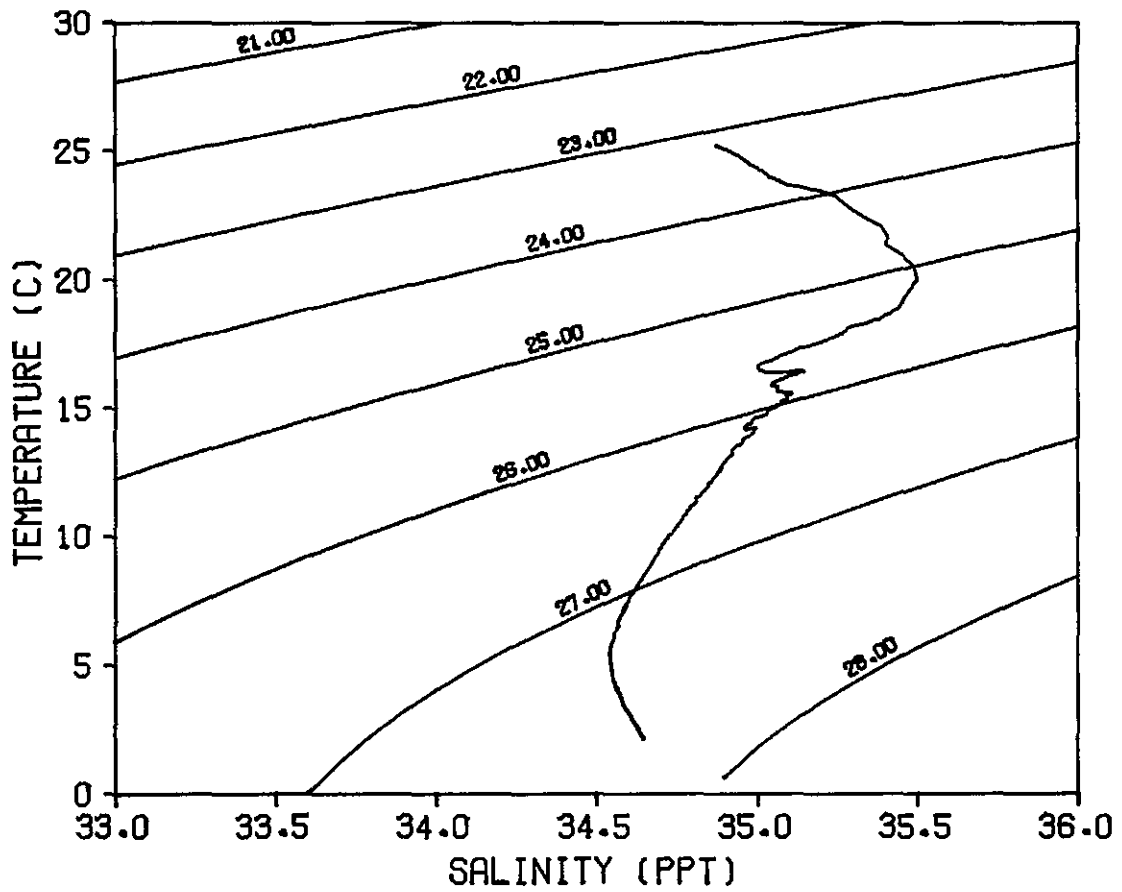




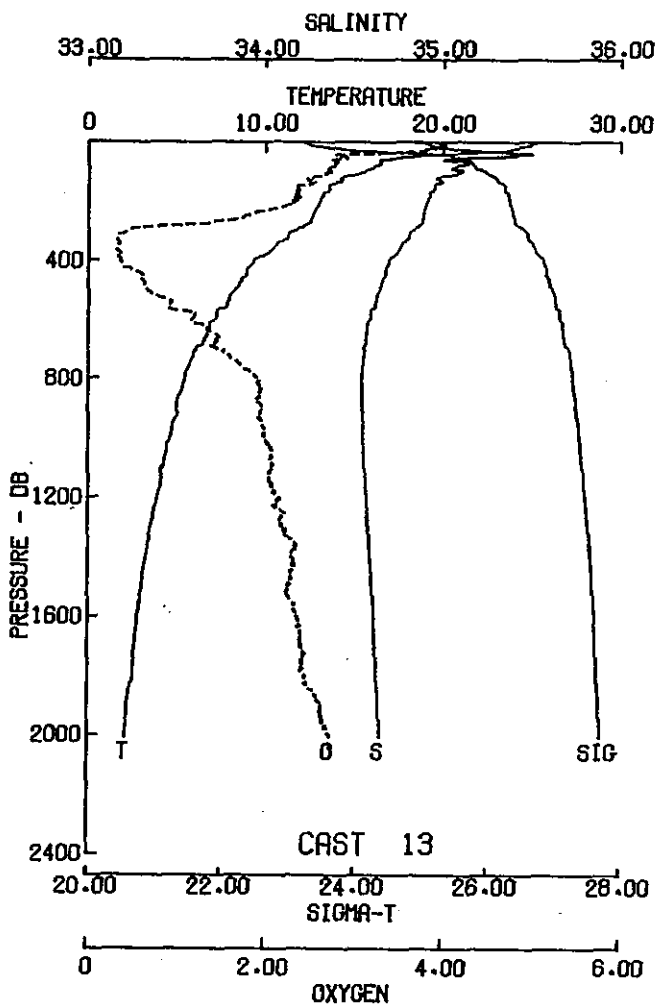
CAST EP2-80-DC-012 DATE 28 MAR 80 TIME 1414 GMT
 LAT 00 28.0N LONG 109 59.0W WEATHER 2 SEA STATE 4
 BARMETER 07 WIND DIR 160 T SPD 09 KT VISIBILITY 8
 CLOUD 4 AMOUNT 3 DRY 26.2 WET 24.4 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	24.871	34.852	3.91	23.287	.000
10	24.420	34.863	3.98	23.431	.046
20	22.536	34.955	3.66	24.051	.088
30	19.470	34.991	3.50	24.910	.124
40	18.363	34.891	2.66	25.190	.153
50	17.680	34.866	2.37	25.265	.180
60	16.187	34.858	2.15	25.612	.206
70	15.458	34.867	2.20	25.785	.229
80	15.183	34.863	1.96	25.843	.251
90	14.630	34.877	1.70	25.975	.273
100	14.493	34.872	1.74	26.001	.293
110	14.159	34.880	1.94	26.078	.313
120	13.930	34.873	1.89	26.121	.333
130	13.639	34.869	1.84	26.178	.352
140	13.347	34.875	1.93	26.243	.371
150	13.210	34.889	2.00	26.282	.389
160	13.169	34.896	2.05	26.296	.406
170	13.045	34.899	2.16	26.323	.424
180	12.979	34.899	2.18	26.336	.442
190	12.873	34.896	2.03	26.355	.459
200	12.780	34.893	1.90	26.371	.476
250	12.474	34.882	1.17	26.423	.561
300	11.873	34.845	.46	26.511	.643
350	10.756	34.768	.45	26.657	.720
400	9.144	34.684	.42	26.867	.790
450	8.820	34.667	.58	26.906	.852
500	8.467	34.648	.64	26.947	.914
506	8.393	34.647	.64	26.957	

CAST EP2-80-0C-013 DATE 29 MAR 80 TIME 0158 GMT
LAT 0 01.6S LONG 110 11.9W

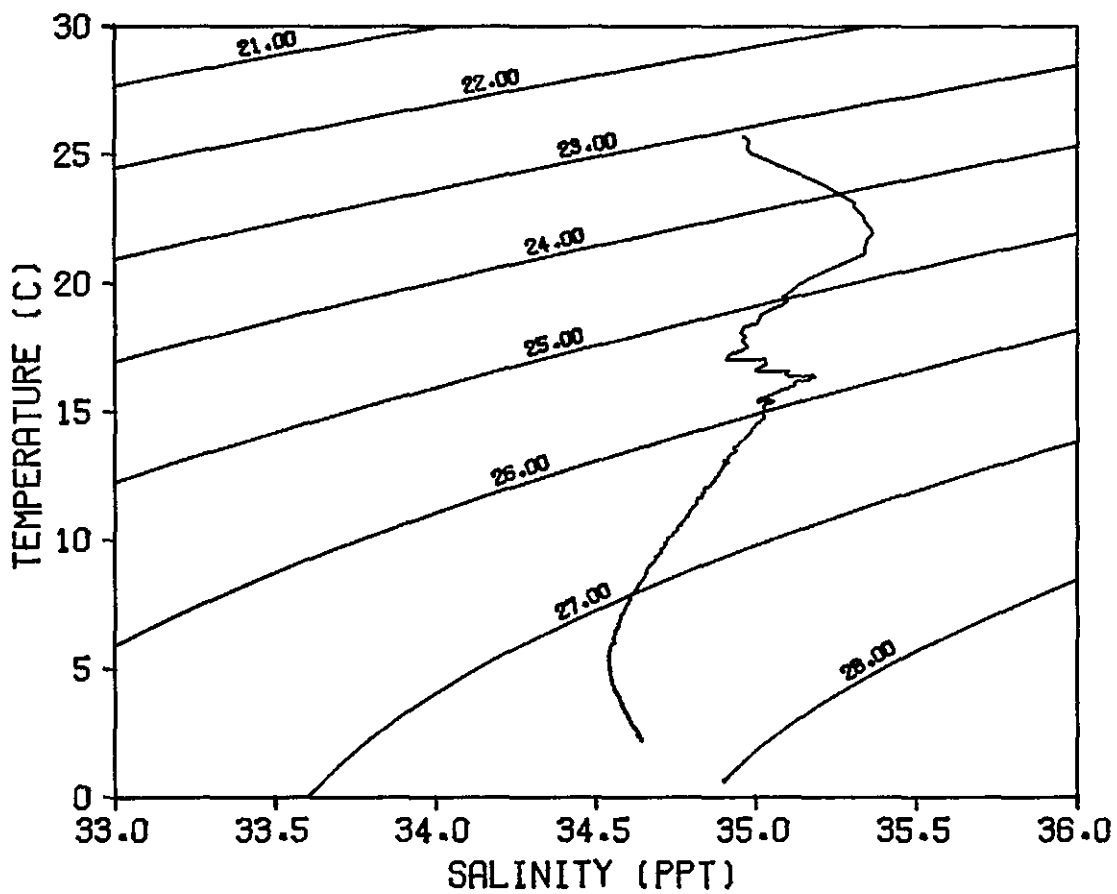


CAST EP2-80-0C-013 DATE 29 MAR 80 TIME 0158 GMT
 LAT 0 01.6S LONG 110 11.9W WEATHER 1 SEA STATE 4
 BAROMETER 06 WIND DIR 090 T SPD 04 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 26.5 WET 24.0 DEPTH M

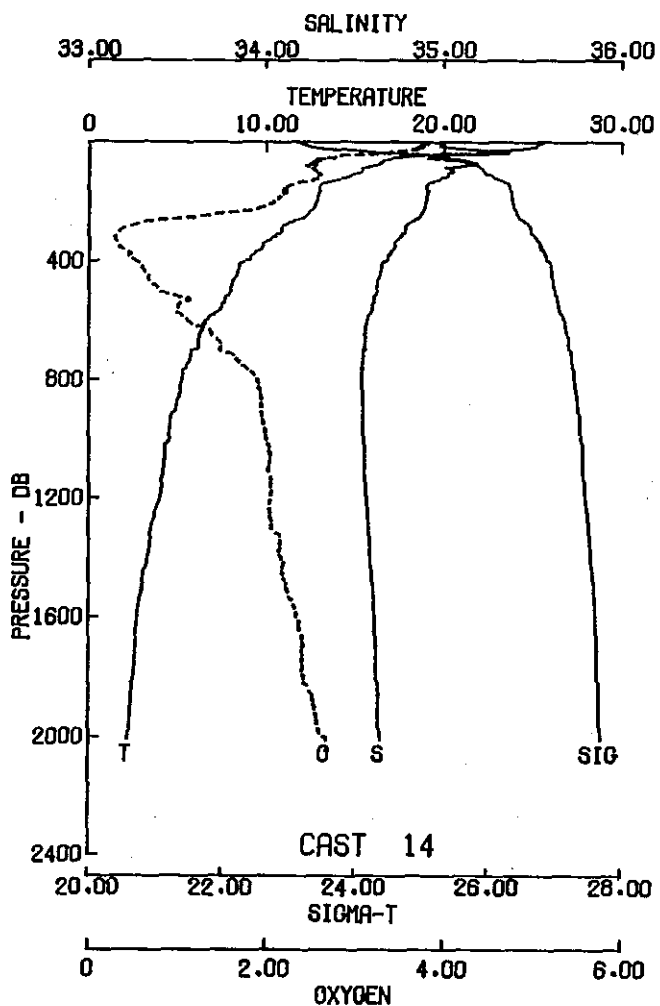


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	25.203	34.877	3.91	23.205	.000
10	24.989	34.918	4.02	23.301	.046
20	24.326	35.001	3.87	23.564	.091
30	23.600	35.133	3.76	23.878	.133
40	20.908	35.456	3.26	24.883	.169
50	18.415	35.364	2.78	25.464	.196
60	16.854	35.049	2.87	25.603	.221
70	16.471	35.125	2.81	25.752	.244
80	16.342	35.124	2.78	25.780	.267
90	15.921	35.047	2.72	25.819	.289
100	15.569	35.103	2.71	25.841	.311
110	15.119	35.070	2.70	26.016	.332
120	14.367	34.975	2.53	26.107	.352
130	14.222	34.980	2.47	26.142	.371
140	13.898	34.975	2.53	26.207	.390
150	13.568	34.949	2.36	26.255	.408
160	13.543	34.944	2.35	26.256	.426
170	13.412	34.930	2.34	26.272	.444
180	13.211	34.923	2.37	26.308	.462
190	13.106	34.916	2.36	26.324	.480
200	13.048	34.911	2.35	26.331	.497
250	12.563	34.890	1.79	26.392	.584
300	11.668	34.829	.45	26.538	.667
350	10.601	34.764	.33	26.682	.743
400	9.365	34.694	.37	26.839	.812
450	8.933	34.674	.62	26.893	.876
500	8.290	34.640	.66	26.967	.937
550	7.822	34.615	.92	27.018	.995
600	7.186	34.588	1.16	27.089	1.050
650	6.733	34.568	1.46	27.136	1.102
700	6.112	34.557	1.48	27.209	1.153
750	5.730	34.549	1.70	27.251	1.200
800	5.463	34.544	1.90	27.280	1.245
850	5.238	34.542	1.94	27.306	1.290
900	5.028	34.548	1.96	27.335	1.333
950	4.797	34.548	1.97	27.362	1.375
1000	4.636	34.549	2.00	27.380	1.416
1500	3.777	34.601	2.26	27.582	1.769
2000	2.143	34.647	2.73	27.700	2.047
2007	2.139	34.648	2.73	27.700	

CAST EP2-80-0C-014 DATE 30 MAR 80 TIME 1935 GMT
LAT 0 00.1S LONG 112 30.0W

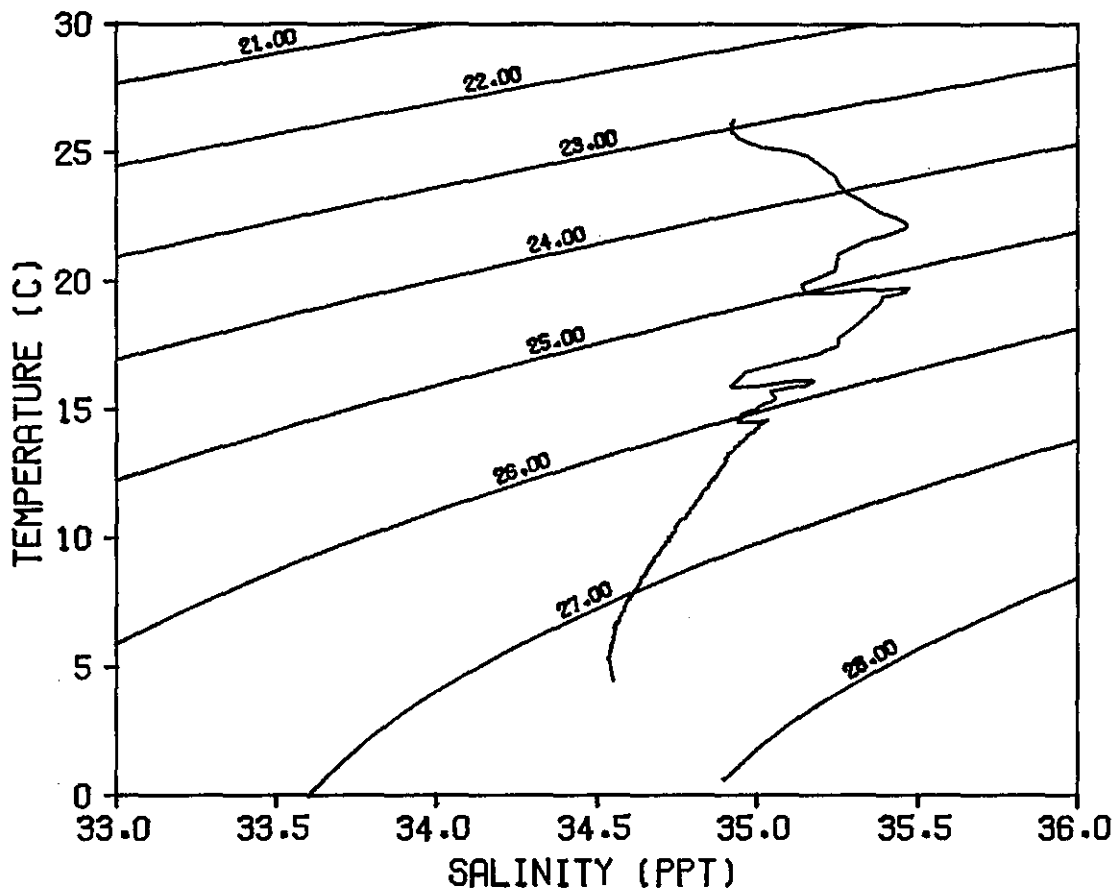


CAST EP2-83-0C-014 DATE 30 MAR 80 TIME 1935 GMT
 LAT 0 00.15 LONG 112 30.0W WEATHER 1 SEA STATE 1
 BAROMETER 07 WIND DIR 000 T SPD 00 KT VISIBILITY 7
 CLOUD 7 AMOUNT 1 DRY 29.8 WET 26.0 DEPTH M

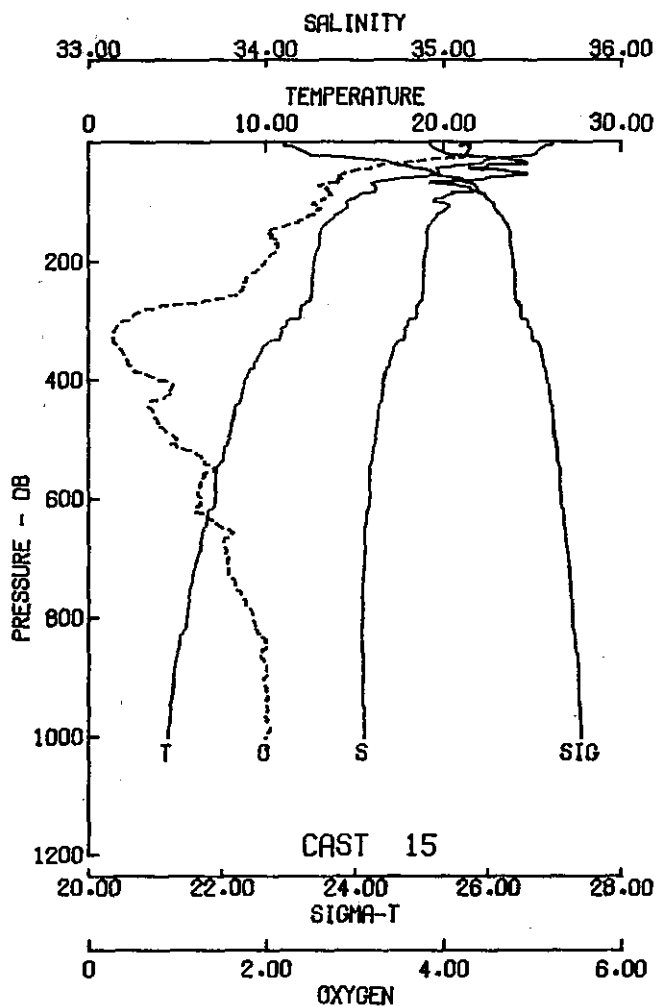


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	25.6691	34.962	3.98	23.119	.000
10	25.3337	34.977	3.77	23.240	.047
20	24.790	34.9033	3.69	23.448	.093
30	23.254	34.8290	3.56	24.098	.134
40	20.139	34.863	3.20	24.866	.170
50	17.895	34.967	2.82	25.290	.199
60	16.833	34.935	2.53	25.598	.224
70	16.435	34.9171	2.52	25.795	.248
80	16.090	34.9124	2.46	25.839	.270
90	15.400	34.9015	2.52	25.911	.291
100	15.391	34.9055	2.59	25.944	.312
110	14.939	34.9024	2.62	26.021	.333
120	14.587	34.9015	2.60	26.090	.353
130	13.867	34.960	2.52	26.201	.372
140	13.173	34.914	2.33	26.309	.390
150	13.049	34.901	2.20	26.324	.408
160	13.008	34.905	2.23	26.335	.425
170	12.996	34.912	2.18	26.343	.443
180	12.925	34.904	2.17	26.351	.460
190	12.902	34.903	2.13	26.355	.477
200	12.853	34.899	2.08	26.361	.494
250	12.277	34.867	1.31	26.451	.579
300	10.897	34.786	.35	26.646	.656
350	9.827	34.721	.35	26.783	.726
400	8.911	34.666	.54	26.890	.792
450	8.376	34.642	.69	26.955	.852
500	8.034	34.625	.81	26.994	.910
550	7.522	34.599	1.01	27.049	.967
600	6.656	34.569	1.11	27.147	1.020
650	6.275	34.558	1.39	27.189	1.070
700	5.957	34.552	1.48	27.225	1.119
750	5.567	34.544	1.72	27.267	1.165
800	5.315	34.540	1.89	27.295	1.210
850	5.123	34.541	1.04	27.310	1.254
900	4.921	34.547	1.04	27.347	1.295
950	4.622	34.547	1.97	27.380	1.337
1000	4.352	34.552	2.00	27.392	1.377
1500	3.016	34.604	2.23	27.589	1.731
2000	2.218	34.644	2.66	27.691	2.011
2008	2.214	34.645	2.68	27.691	

CAST EP2-80-0C-015 DATE 31 MAR 80 TIME 1902 GMT
LAT 00 01.6N LONG 115 34.8W

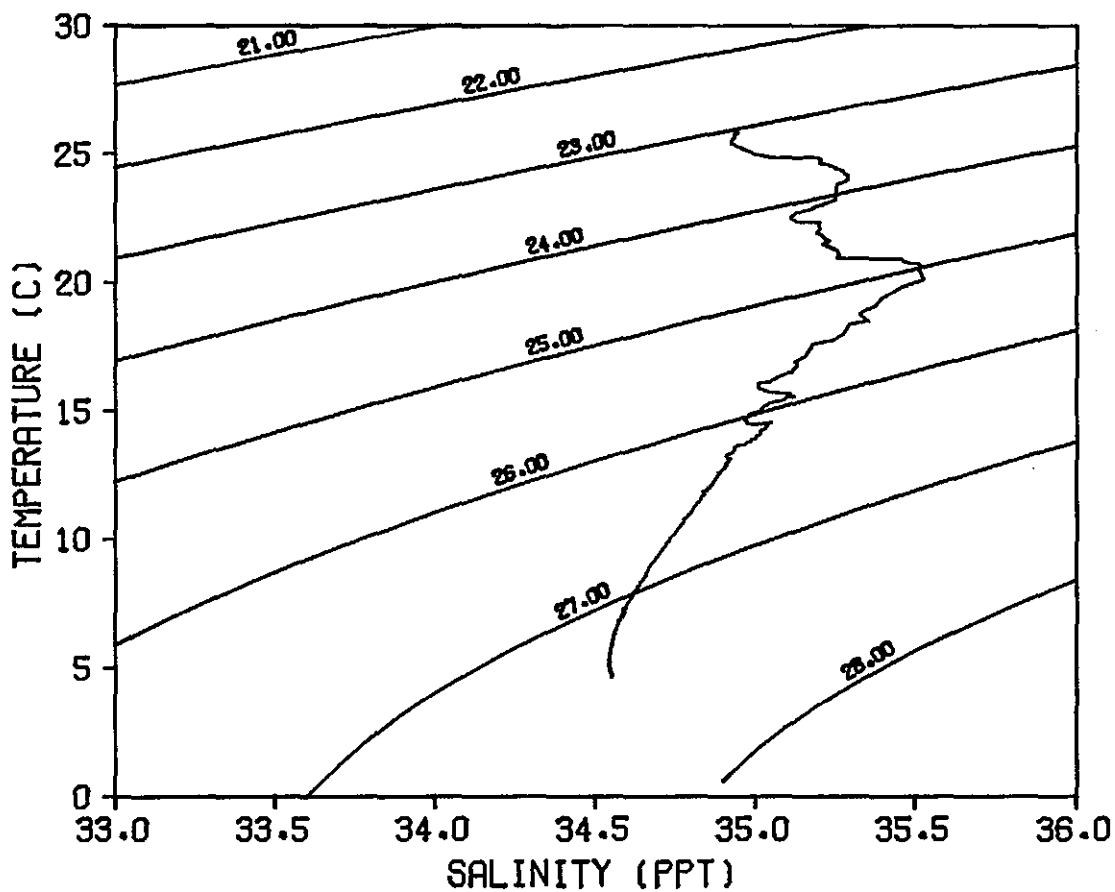


CAST EP2-80-0C-015 DATE 31 MAR 80 TIME 1902 GMT
 LAT 00 01.64 LONG 115 34.8W WEATHER 2 SEA STATE 3
 BARMETER 02 WIND DIR 240 T SPD 07 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 28.0 WET 26.0 DEPTH M

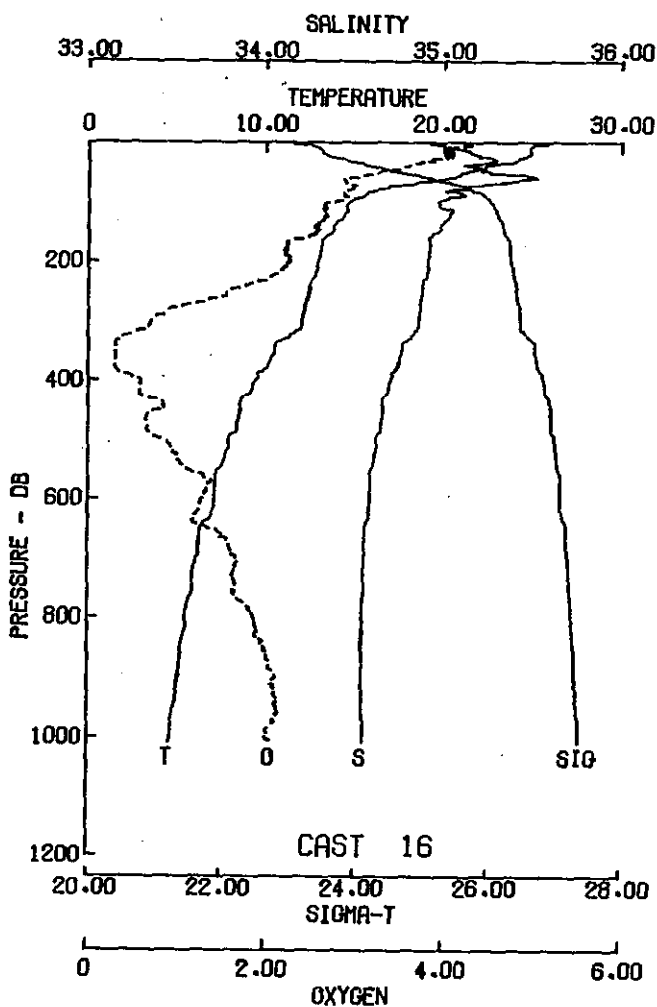


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.236	34.926	4.30	22.923	.000
10	25.545	34.940	4.30	23.117	.049
20	25.207	34.917	4.26	23.309	.096
30	22.701	34.849	3.86	24.244	.138
40	21.051	34.825	3.29	24.691	.172
50	19.671	34.856	2.93	25.137	.202
60	18.257	34.809	2.84	25.462	.230
70	15.910	34.984	2.64	25.773	.254
80	16.165	34.858	2.69	25.848	.276
90	15.244	34.830	2.73	25.958	.297
100	14.594	34.846	2.57	26.036	.318
110	14.596	34.833	2.57	26.103	.337
120	14.108	34.989	2.55	26.173	.357
130	13.683	34.948	2.39	26.231	.375
140	13.272	34.914	2.22	26.289	.393
150	13.040	34.905	2.04	26.329	.411
160	13.014	34.906	2.06	26.335	.428
170	12.995	34.907	2.12	26.339	.446
180	12.884	34.903	2.13	26.358	.463
190	12.782	34.896	2.05	26.373	.480
200	12.719	34.891	1.99	26.382	.497
250	12.575	34.884	1.71	26.405	.582
300	11.260	34.806	.42	26.595	.664
350	9.738	34.715	.37	26.793	.736
400	8.834	34.664	.78	26.901	.801
450	8.225	34.633	.71	26.972	.862
500	7.916	34.616	.99	27.005	.920
550	7.227	34.582	1.45	27.078	.976
600	7.117	34.582	1.25	27.094	1.029
650	6.515	34.557	1.50	27.156	1.082
700	6.116	34.551	1.57	27.204	1.131
750	5.773	34.543	1.68	27.242	1.179
800	5.538	34.540	1.86	27.268	1.225
850	5.113	34.540	2.01	27.319	1.269
900	4.771	34.544	1.99	27.362	1.311
950	4.596	34.548	2.00	27.385	1.352
1000	4.459	34.549	2.00	27.401	1.392
1002	4.457	34.549	2.00	27.400	

CAST EP2-80-0C-016 DATE 01 APR 80 TIME 1155 GMT
LAT 00 00.3N LONG 117 32.3W

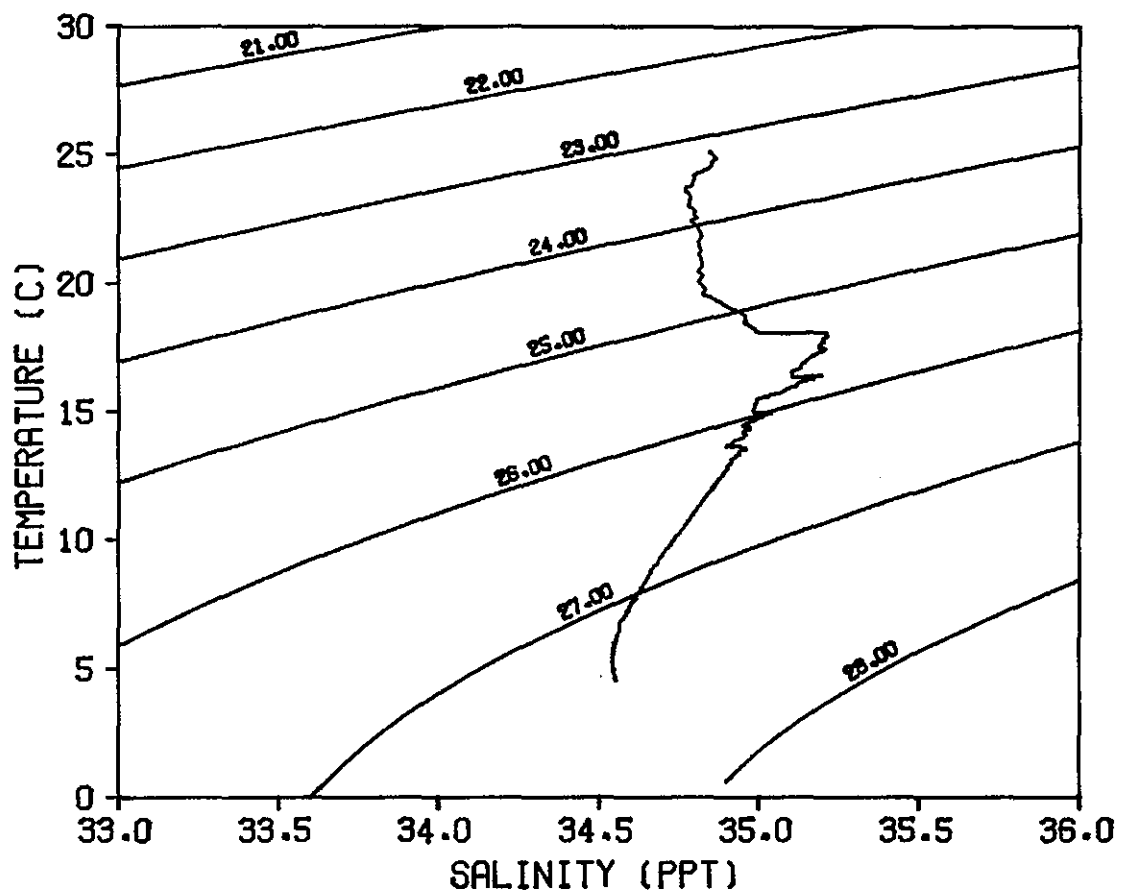


CAST EP2-80-DC-016 DATE 01 APR 80 TIME 1155 GMT
 LAT 00 00.3N LONG 117 32.3W WEATHER 1 SEA STATE 4
 BAROMETER 08 WIND DIR 250 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 25.2 WET 24.0 DEPTH M

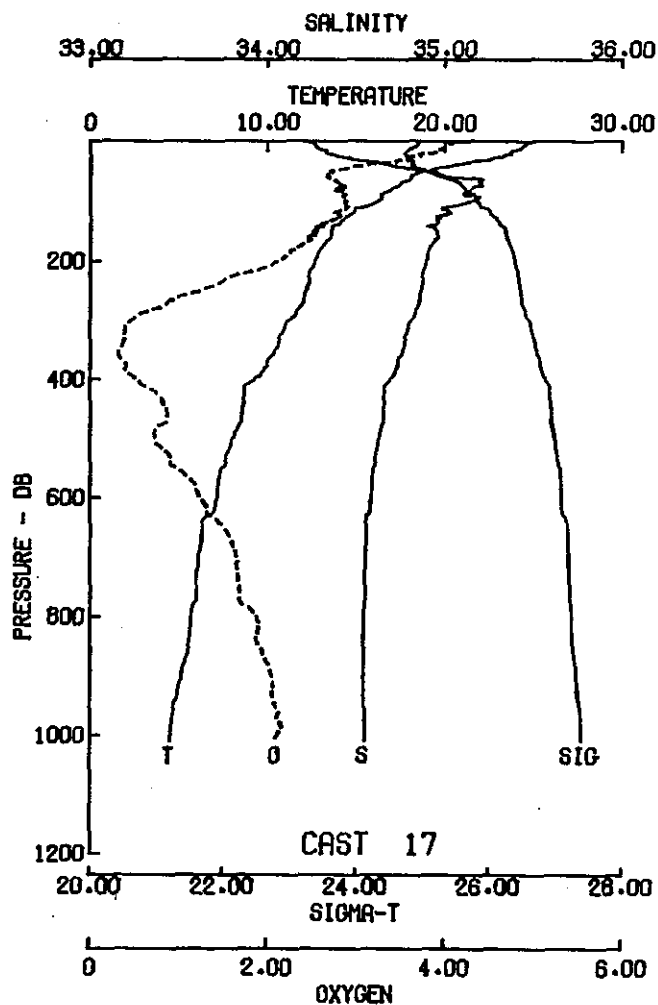


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	25.839	34.941	4.22	23.058	.000
10	24.858	35.044	4.10	23.436	.046
20	24.873	35.172	4.13	23.528	.090
30	24.144	35.289	3.84	23.835	.133
40	22.498	35.109	3.61	24.178	.172
50	21.325	35.242	3.30	24.606	.208
60	20.481	35.511	3.02	25.040	.239
70	18.361	35.294	2.91	25.424	.267
80	16.317	35.072	2.96	25.747	.291
90	15.601	35.115	2.89	25.943	.313
100	14.781	34.975	2.80	26.018	.333
110	14.487	34.978	2.61	26.084	.353
120	14.456	35.038	2.68	26.136	.373
130	14.221	35.016	2.68	26.170	.392
140	13.928	34.986	2.68	26.200	.410
150	13.745	34.971	2.57	26.235	.429
160	13.351	34.926	2.42	26.281	.447
170	13.116	34.919	2.24	26.324	.464
180	13.089	34.920	2.22	26.331	.482
190	13.044	34.916	2.21	26.336	.499
200	12.965	34.912	2.27	26.349	.517
250	12.428	34.880	1.60	26.431	.602
300	12.031	34.859	.71	26.491	.684
350	10.475	34.764	.31	26.670	.761
400	9.466	34.703	.59	26.829	.830
450	8.549	34.656	.82	26.940	.892
500	7.941	34.622	.84	27.006	.952
550	7.450	34.597	1.12	27.058	1.009
600	7.149	34.588	1.30	27.094	1.062
650	6.327	34.560	1.35	27.184	1.115
700	6.127	34.554	1.68	27.205	1.164
750	5.917	34.555	1.67	27.232	1.211
800	5.547	34.547	1.87	27.272	1.258
850	5.281	34.542	2.00	27.301	1.303
900	5.099	34.543	2.13	27.323	1.346
950	4.906	34.544	2.16	27.346	1.389
1000	4.686	34.552	2.01	27.378	1.430
1009	4.621	34.551	2.08	27.384	1.430

CAST EP2-80-0C-017 DATE 02 APR 80 TIME 0811 GMT
LAT 00 01.4N LONG 120 02.8W

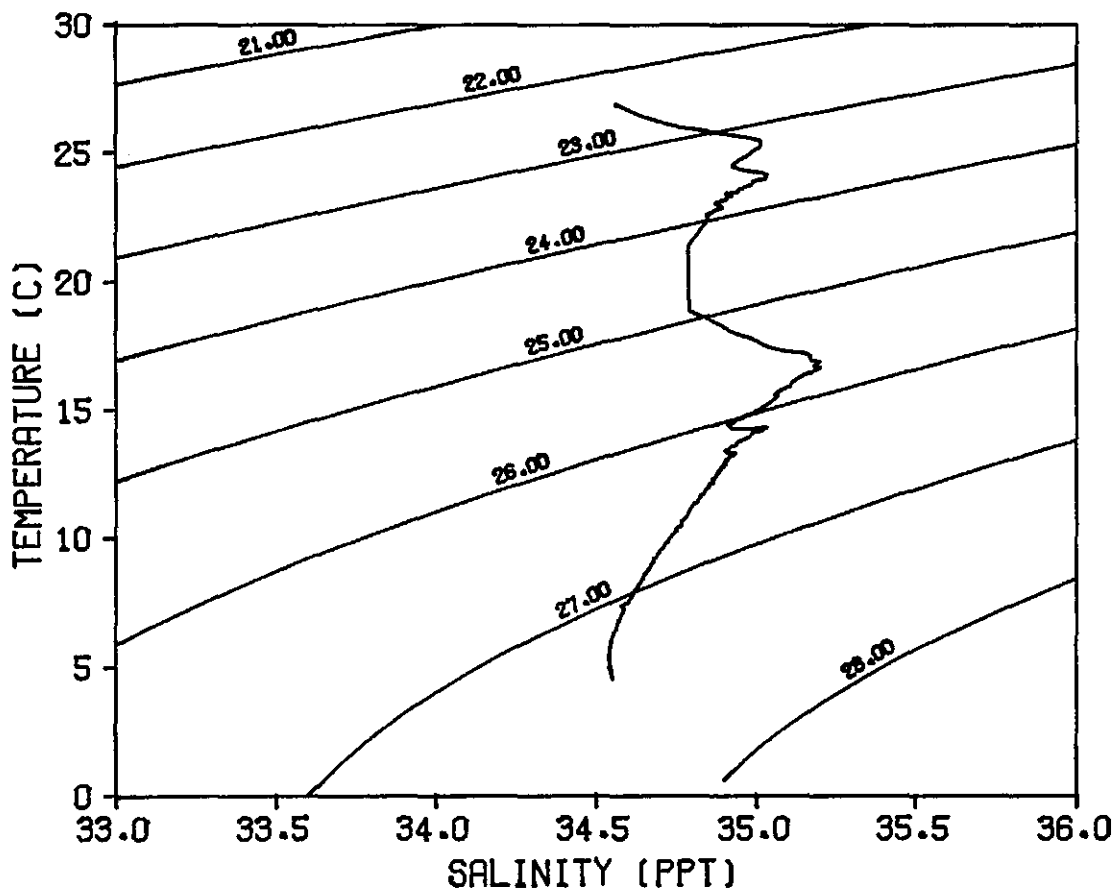


CAST EP2-80-0C-017 DATE 02 APR 80 TIME 0811 GMT
 LAT 00 01.4N LONG 120 02.8W WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 310 T SPD 08 KT VISIBILITY 9
 CLOUD X AMOUNT 2 DRY 25.2 WET 24.4 DEPTH M

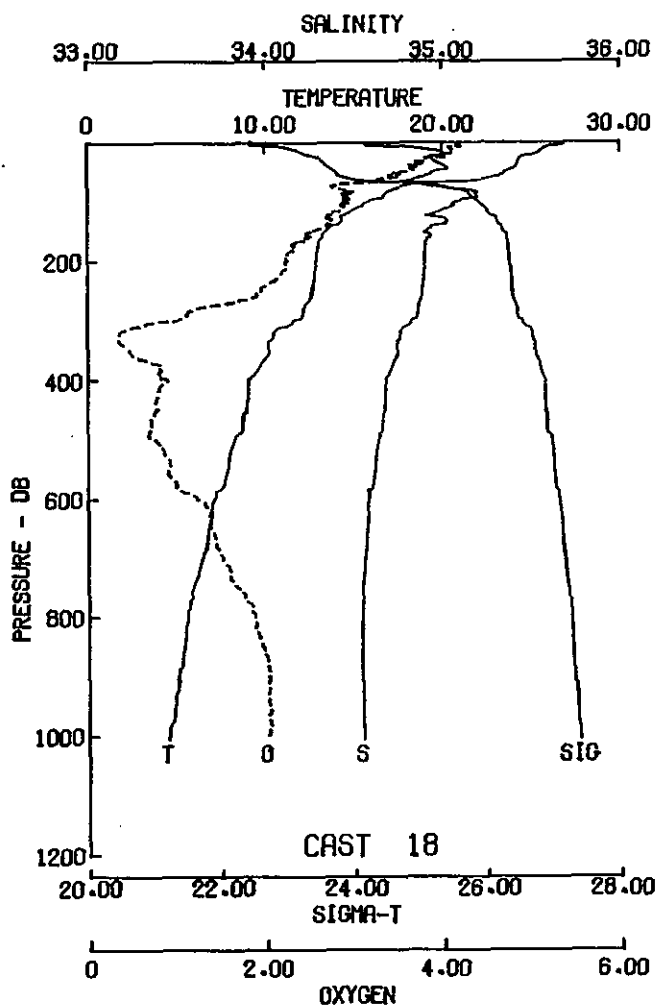


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	25.053	34.859	4.12	23.237	.000
1	25.080	34.848	4.09	23.221	
10	24.406	34.834	3.99	23.413	.045
20	23.745	34.781	3.86	23.569	.089
30	22.633	34.797	3.58	23.903	.131
40	20.622	34.823	3.13	24.479	.169
50	19.035	34.910	2.72	24.961	.201
60	18.066	35.039	2.68	25.302	.230
70	17.514	35.205	2.84	25.565	.255
80	16.985	35.150	2.85	25.650	.279
90	16.364	35.107	2.89	25.763	.303
100	16.277	35.167	2.88	25.829	.325
110	15.601	35.029	2.91	25.877	.347
120	14.916	35.041	2.81	26.039	.368
130	14.292	34.963	2.75	26.114	.387
140	13.869	34.926	2.61	26.174	.407
150	13.593	34.952	2.54	26.252	.425
160	13.545	34.964	2.47	26.271	.443
170	13.299	34.938	2.43	26.302	.461
180	13.037	34.915	2.33	26.337	.479
190	12.836	34.902	2.25	26.367	.496
200	12.692	34.897	2.14	26.392	.513
250	12.192	34.868	1.25	26.467	.596
300	11.293	34.813	.48	26.595	.676
350	10.470	34.765	.33	26.705	.749
400	9.314	34.694	.52	26.847	.817
450	8.595	34.655	.86	26.931	.879
500	8.142	34.634	.73	26.985	.939
550	7.433	34.598	.96	27.061	.996
600	7.196	34.586	1.24	27.086	1.050
650	6.337	34.559	1.52	27.181	1.102
700	6.134	34.557	1.65	27.207	1.151
750	6.021	34.555	1.69	27.219	1.199
800	5.723	34.549	1.86	27.252	1.247
850	5.571	34.543	1.91	27.267	1.293
900	5.174	34.545	2.06	27.315	1.338
950	4.760	34.548	2.10	27.366	1.381
1000	4.563	34.552	2.13	27.391	1.421
1010	4.551	34.552	2.11	27.392	

CAST EP2-80-0C-018 DATE 03 APR 80 TIME 1636 GMT
LAT 00 00.6N LONG 125 36.2W

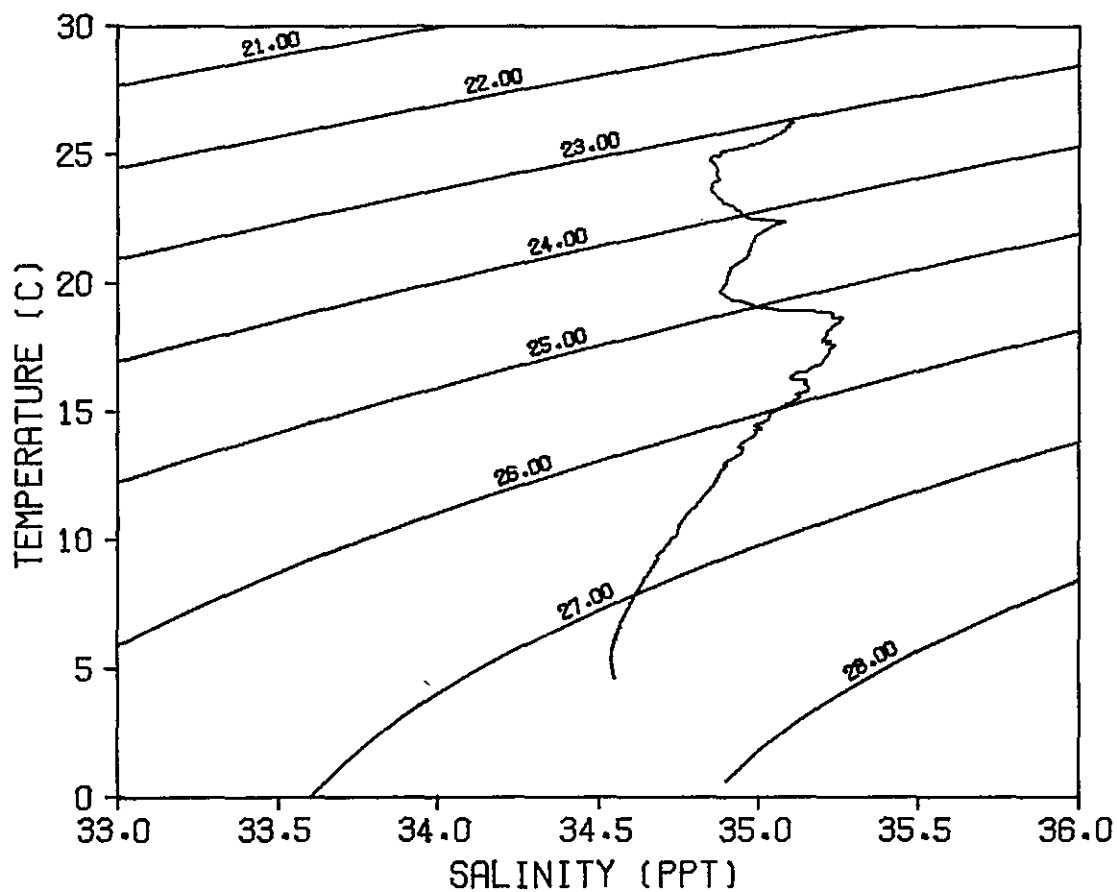


CAST EP2-80-DC-018 DATE 03 APR 80 TIME 1636 GMT
 LAT 00 00.6N LONG 125 36.2W WEATHER 2 SEA STATE 4
 BAROMETER 01 WIND DIR 150 T SPD 08 KT VISIBILITY 8
 CLOUD 7 AMJUNT 2 DRY 26.9 WET 25.1 DEPTH M

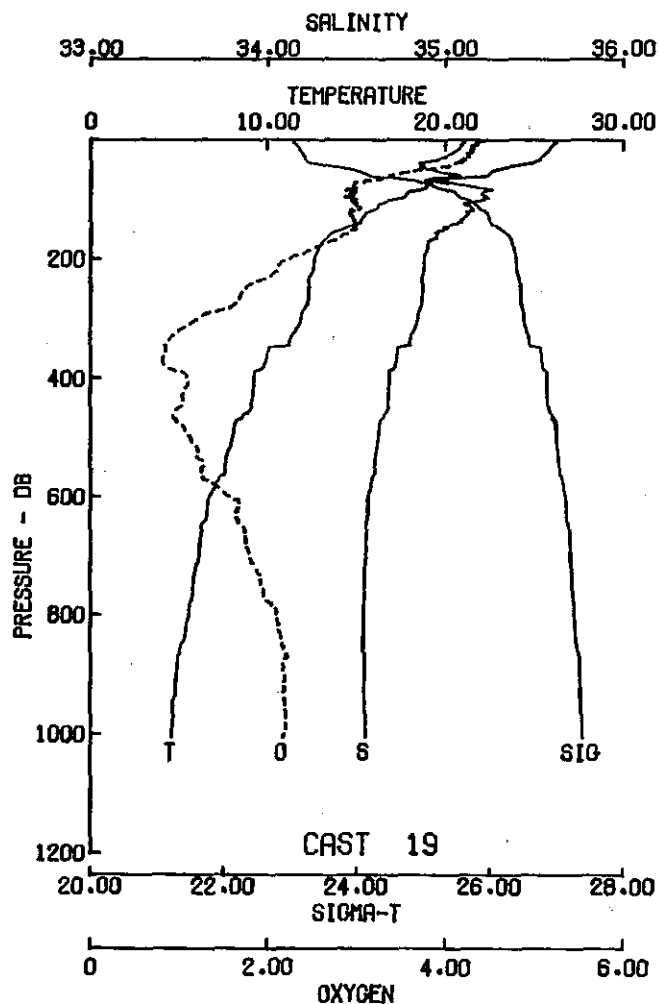


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.872	34.561	4.19	22.447	.000
10	25.793	34.865	4.08	23.015	.052
20	25.317	35.015	3.97	23.274	.099
30	24.361	34.948	3.82	23.513	.144
40	24.225	35.013	3.64	23.602	.188
50	23.624	34.959	3.54	23.740	.230
60	22.880	34.893	3.49	23.905	.272
70	18.506	34.853	2.97	25.051	.308
80	17.187	35.153	2.86	25.603	.335
90	16.676	35.189	2.94	25.752	.359
100	15.880	35.101	2.89	25.869	.381
110	15.290	35.045	2.89	25.960	.403
120	14.712	34.961	2.78	26.022	.423
130	14.329	35.024	2.75	26.153	.442
140	13.907	34.976	2.74	26.203	.461
150	13.458	34.917	2.56	26.293	.480
160	13.258	34.936	2.51	26.308	.498
170	13.041	34.905	2.31	26.329	.515
180	13.013	34.907	2.31	26.335	.533
190	12.949	34.903	2.26	26.346	.550
200	12.904	34.903	2.26	26.355	.567
250	12.676	34.883	1.95	26.387	.634
300	11.660	34.832	1.62	26.493	.737
350	10.223	34.745	.46	26.734	.809
400	9.060	34.678	.90	26.875	.877
450	8.962	34.673	.78	26.888	.940
500	8.249	34.639	.74	26.972	1.001
550	7.879	34.618	.92	27.012	1.060
600	7.141	34.583	1.24	27.091	1.116
650	6.775	34.571	1.37	27.132	1.168
700	6.435	34.560	1.52	27.170	1.220
750	5.963	34.548	1.66	27.221	1.269
800	5.599	34.543	1.88	27.263	1.316
850	5.419	34.543	1.95	27.283	1.361
900	5.104	34.544	2.02	27.323	1.406
950	4.874	34.544	2.03	27.350	1.448
1000	4.554	34.551	2.02	27.391	1.489
1005	4.534	34.551	2.03	27.394	

CAST EP2-80-0C-019 DATE 04 APR 80 TIME 1954 GMT
LAT 00 02.1N LONG 129 59.2W

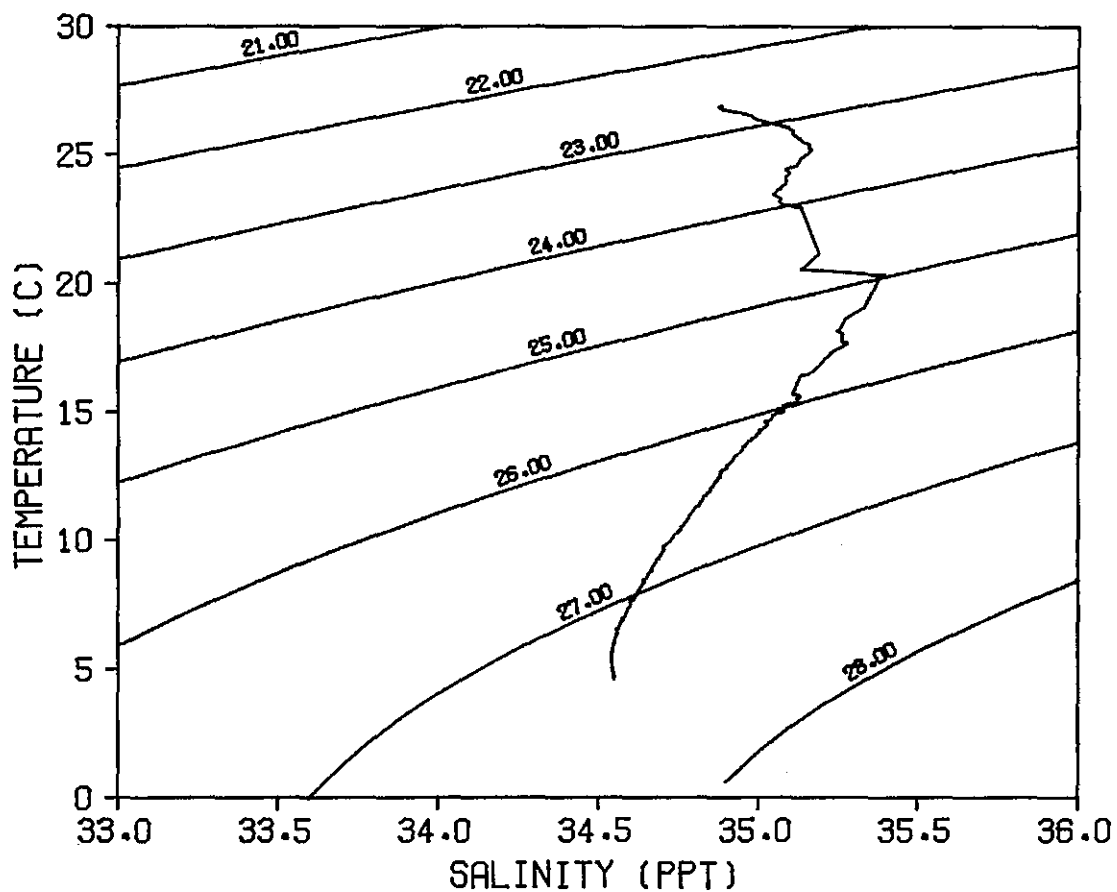


CAST EP2-80-0C-019 DATE 04 APR 80 TIME 1954 GMT
 LAT 00 02.1N LONG 129 59.2W WEATHER 2 SEA STATE 2
 BAROMETER 05 WIND DIR 090 T SPD 06 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 30.4 WET 26.4 DEPTH M

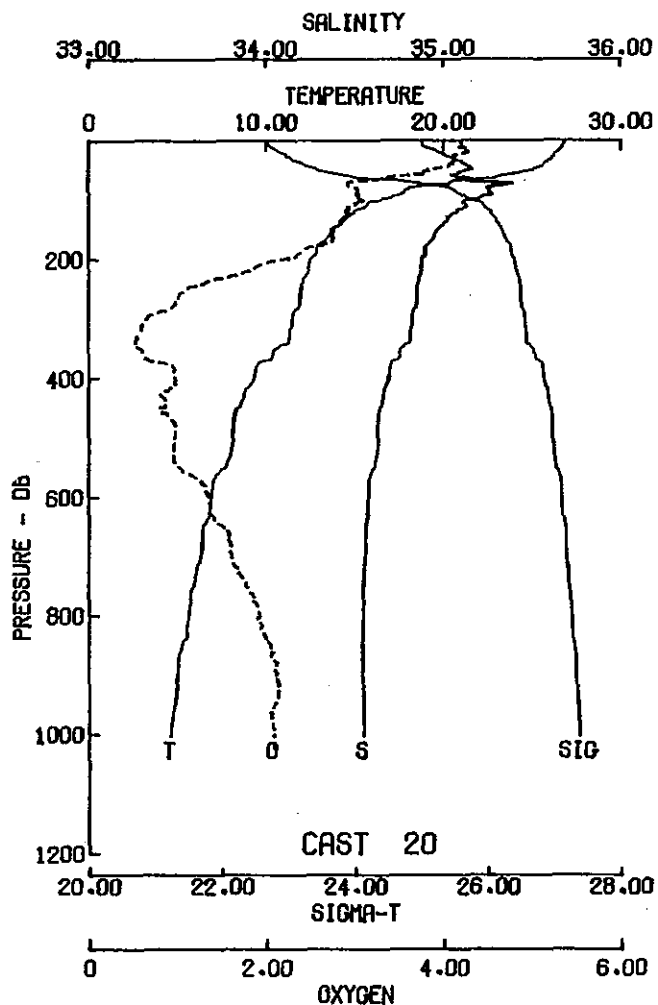


PRES (DB)	TEMP (C)	SAL (PPT)	DOXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.341	35.114	4.45	23.031	.000
2	26.345	35.105	4.43	23.054	
10	26.319	35.091	4.29	23.114	.048
20	25.766	35.062	4.29	23.171	.096
30	25.415	35.094	4.21	23.228	.142
40	24.761	35.4849	4.11	23.318	.189
50	22.990	35.921	3.72	23.895	.232
60	22.402	35.069	3.36	24.175	.271
70	19.309	34.936	3.08	24.910	.305
80	18.596	35.172	3.06	25.106	.335
90	17.906	35.128	3.01	25.474	.361
100	17.451	35.228	3.04	25.597	.386
110	16.243	35.112	3.09	25.795	.409
120	15.798	35.156	3.07	25.930	.431
130	15.396	35.110	3.05	25.985	.452
140	15.178	35.077	2.96	26.009	.473
150	14.261	34.988	2.99	26.139	.493
160	13.487	34.953	2.85	26.275	.511
170	13.104	34.912	2.72	26.321	.529
180	12.594	34.896	2.54	26.351	.547
190	12.753	34.889	2.41	26.374	.564
200	12.620	34.880	2.22	26.393	.581
250	12.287	34.869	1.73	26.450	.664
300	11.874	34.843	1.20	26.509	.746
350	10.964	34.726	.84	26.746	.824
400	9.234	34.683	1.09	26.852	.831
450	9.072	34.676	1.09	26.872	.955
500	8.033	34.623	1.12	26.993	1.015
550	7.309	34.603	1.25	27.040	1.072
600	6.733	34.567	1.58	27.132	1.126
650	6.276	34.554	1.72	27.186	1.177
700	6.134	34.551	1.78	27.202	1.225
750	5.827	34.544	1.93	27.235	1.273
800	5.560	34.538	2.10	27.264	1.319
850	5.163	34.539	2.16	27.312	1.364
900	4.871	34.542	2.18	27.349	1.407
950	4.685	34.546	2.20	27.373	1.448
1000	4.594	34.549	2.18	27.385	1.489
1004	4.594	34.548	2.17	27.385	

CAST EP2-80-0C-020 DATE 06 APR 80 TIME 0127 GMT
LAT 0 02.4S LONG 135 06.3W

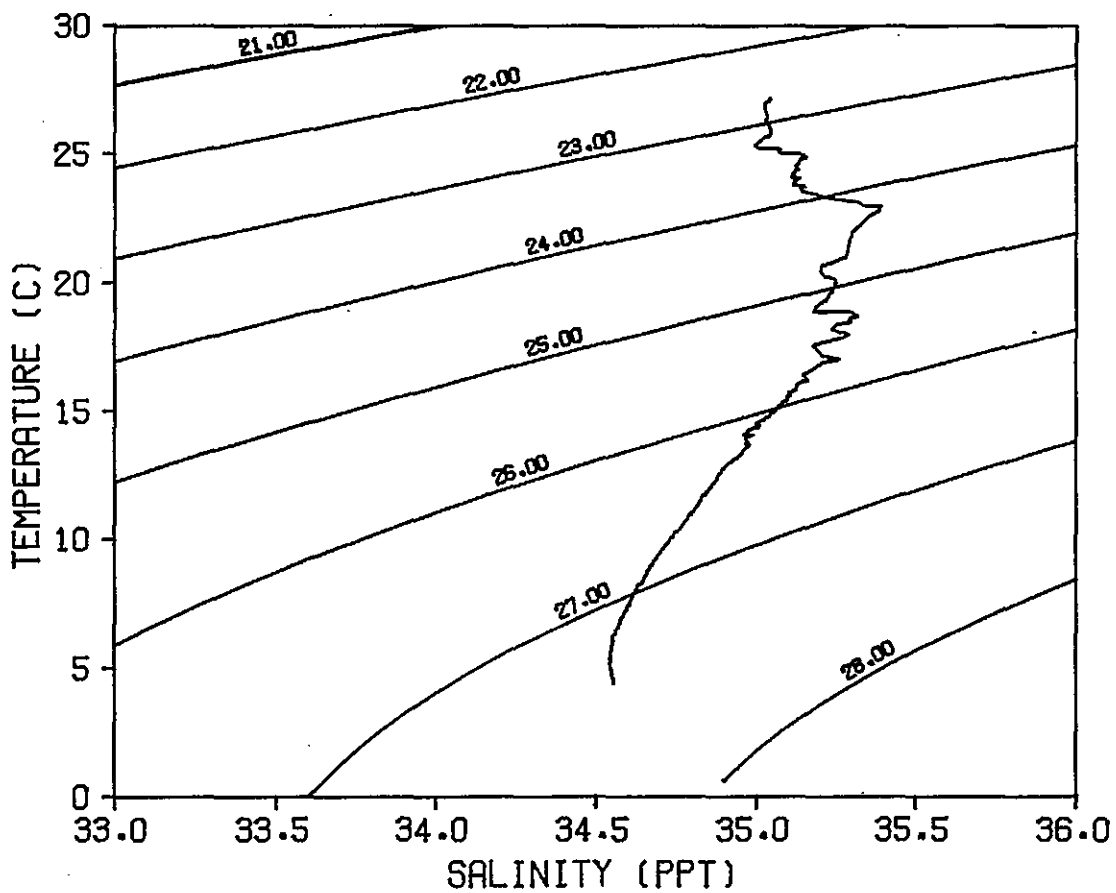


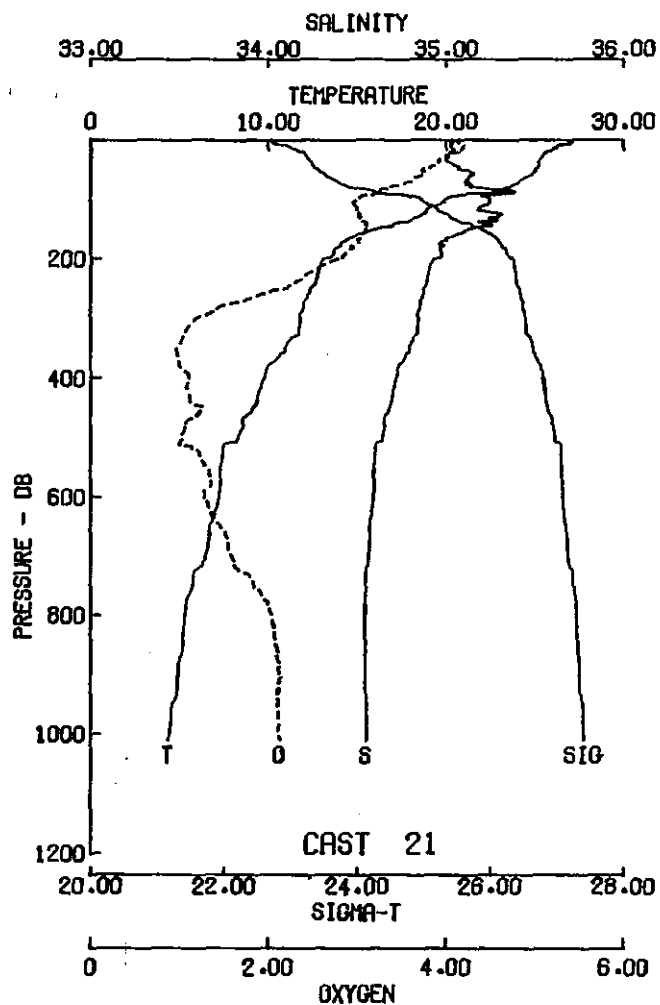
CAST EP2-80-OC-020 DATE 06 APR 80 TIME 0127 GHT
 LAT 0 02.45 LONG 135 06.3W WEATHER 1 SEA STATE 3
 BAROMETER 07 WIND DIR 130 T SPD 07 KT VISIBILITY 7
 CLOUD 8 AMJUNT 4 DRY 28.8 WET 25.6 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.881	34.883	4.22	22.687	.000
10	26.744	34.892	4.18	22.737	.052
20	26.467	34.977	4.29	22.888	.102
30	26.156	35.056	4.11	23.046	.151
40	25.726	35.121	4.09	23.228	.193
50	25.072	35.158	3.83	23.437	.245
60	23.258	35.068	3.52	23.679	.287
70	20.485	35.207	2.98	24.807	.324
80	18.152	35.247	3.00	25.440	.352
90	17.721	35.272	3.04	25.565	.377
100	16.676	35.178	3.06	25.744	.401
110	15.579	35.126	2.99	25.934	.423
120	14.992	35.078	2.89	26.051	.444
130	14.557	35.021	2.90	26.101	.463
140	14.208	35.003	2.83	26.152	.483
150	13.855	34.968	2.80	26.210	.502
160	13.594	34.948	2.76	26.249	.520
170	13.310	34.933	2.75	26.296	.538
180	12.883	34.901	2.53	26.357	.555
190	12.841	34.902	2.39	26.366	.573
200	12.534	34.880	2.22	26.411	.590
250	11.560	34.849	1.11	26.498	.672
300	11.489	34.822	.86	26.565	.751
350	10.657	34.768	.56	26.675	.828
400	9.291	34.690	.98	26.848	.895
450	8.450	34.639	.81	26.942	.958
500	8.130	34.631	.97	26.984	1.016
550	7.693	34.609	1.03	27.032	1.074
600	6.917	34.578	1.35	27.119	1.127
650	6.410	34.559	1.52	27.172	1.179
700	6.321	34.550	1.61	27.184	1.223
750	5.903	34.549	1.77	27.229	1.277
800	5.610	34.543	1.93	27.262	1.324
850	5.247	34.542	2.05	27.304	1.369
900	5.315	34.542	2.12	27.332	1.412
950	4.845	34.546	2.10	27.355	1.454
1000	4.631	34.549	2.09	27.381	1.495
1002	4.631	34.548	2.09	27.381	1.495

CAST EP2-80-0C-021 DATE 07 APR 80 TIME 0856 GMT
LAT 00 00.0N LONG 140 00.5W

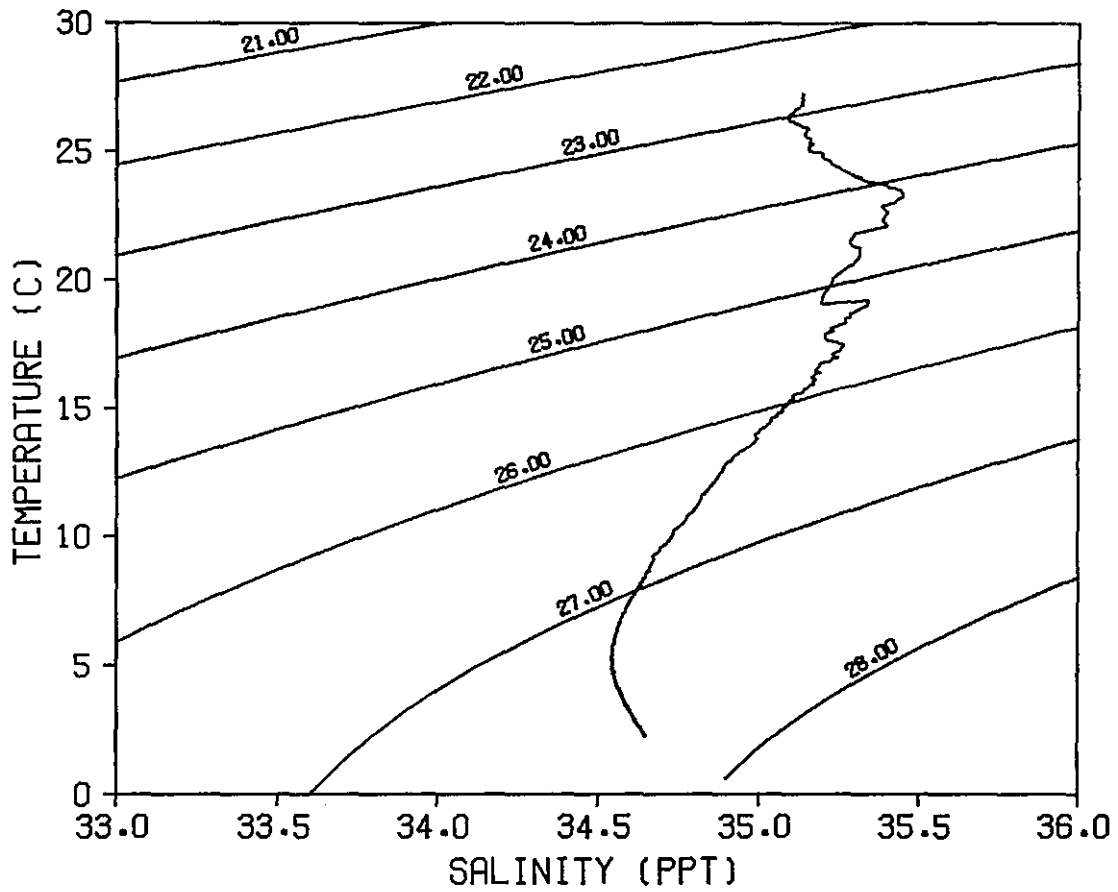




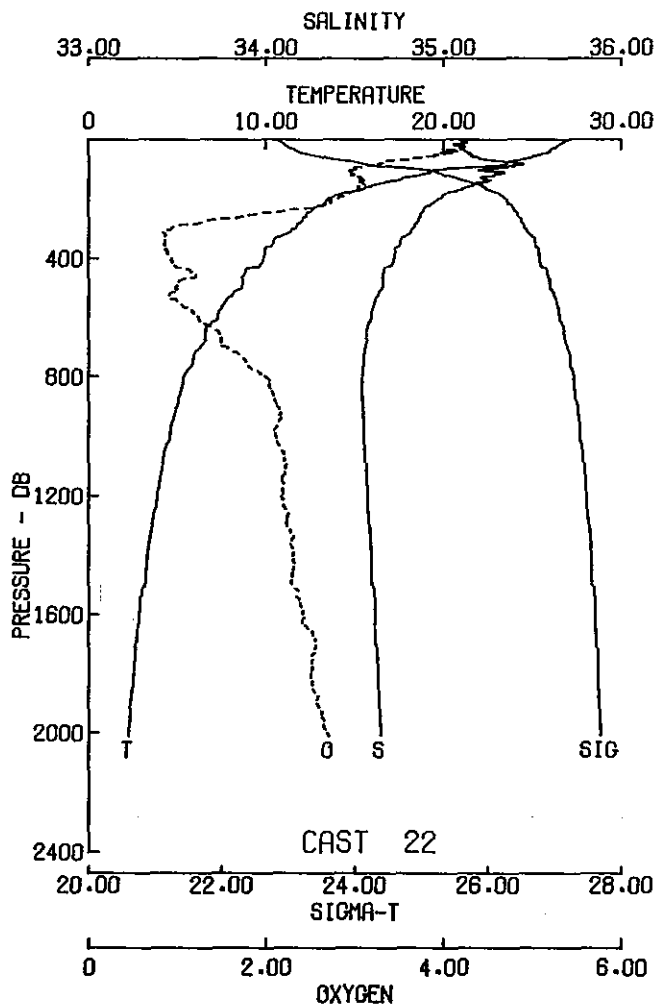
CAST EP2-83-DC-021 DATE 07 APR 80 TIME 0856 GMT
 LAT 00 00.0N LONG 140 00.5W WEATHER 1 SEA STATE 1
 BAROMETER 10 WIND DIR 000 T SPD 00 KT VISIBILITY 8
 CLOUD 8 AMOUNT 6 DRY 25.0 WET 23.9 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.155	35.040	4.15	22.717	.000
10	26.307	35.030	4.19	22.978	.051
20	25.798	35.043	4.12	23.147	.099
30	25.388	35.003	4.02	23.244	.146
40	25.212	35.026	3.91	23.314	.192
50	25.027	35.076	3.74	23.409	.238
60	24.832	35.154	3.74	23.527	.282
70	24.614	35.111	3.61	23.609	.326
80	23.553	35.130	3.37	23.896	.367
90	22.557	35.285	3.21	24.313	.405
100	20.017	35.52	3.99	24.966	.438
110	19.539	35.238	3.96	25.055	.468
120	18.861	35.177	3.01	25.209	.496
130	18.470	35.297	3.03	25.399	.523
140	17.309	35.196	3.10	25.607	.549
150	16.208	35.164	3.09	25.842	.572
160	15.164	35.068	3.07	26.005	.594
170	14.390	35.007	3.00	26.126	.614
180	14.394	35.987	3.95	26.184	.633
190	13.717	35.975	3.88	26.244	.651
200	13.309	35.954	3.82	26.312	.670
250	12.512	35.878	3.21	26.433	.756
300	11.786	35.841	1.22	26.524	.837
350	10.967	35.792	.98	26.638	.915
400	9.801	35.721	1.11	26.787	.985
450	9.192	35.685	1.26	26.860	1.052
500	8.332	35.643	1.03	26.966	1.113
550	7.424	35.596	1.31	27.072	1.169
600	7.232	35.591	1.29	27.085	1.223
650	6.473	35.571	1.46	27.138	1.276
700	6.475	35.564	1.58	27.167	1.327
750	5.764	35.548	1.84	27.246	1.376
800	5.325	35.546	2.04	27.299	1.420
850	5.204	35.546	2.08	27.313	1.464
900	4.948	35.546	2.12	27.343	1.507
950	4.611	35.533	2.11	27.386	1.549
1000	4.476	35.533	2.12	27.403	1.588
1010	4.407	35.555	2.14	27.411	

CAST EP2-80-0C-022 DATE 09 APR 80 TIME 0453 GMT
LAT 00 00.4N LONG 142 29.5W



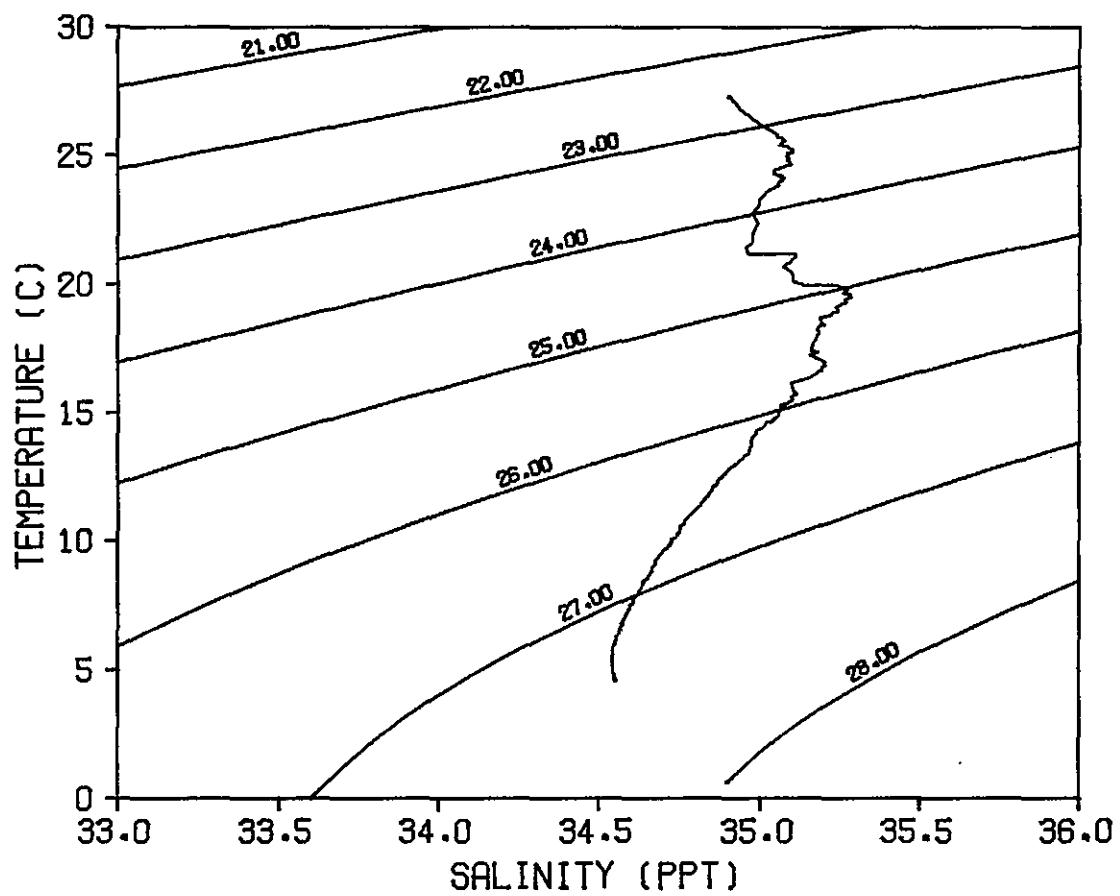
111



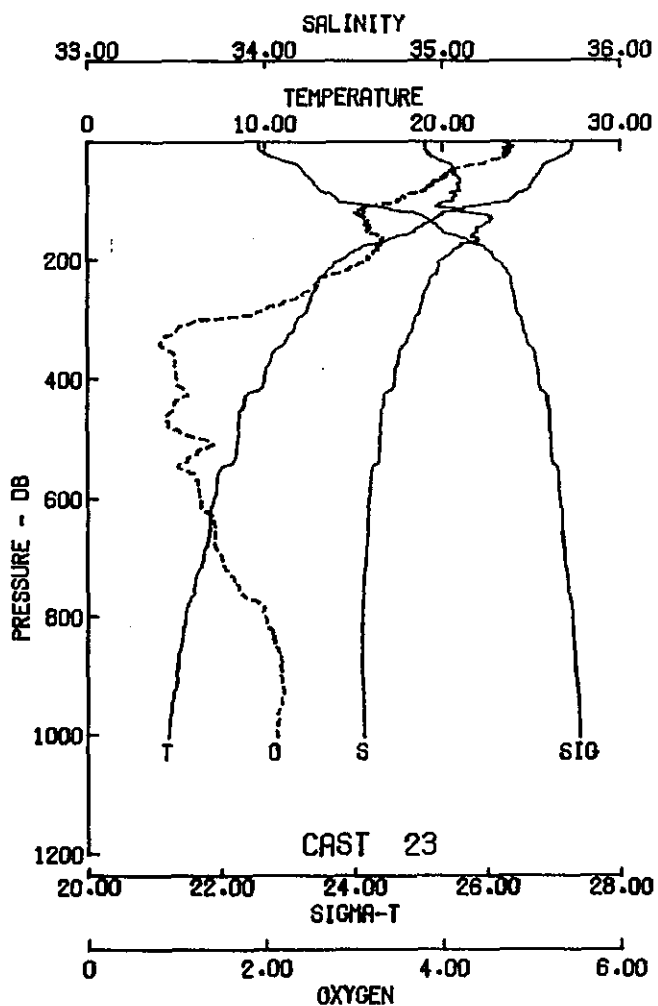
CAST EP2-80-0C-022 DATE 09 APR 80 TIME 0453 GMT
 LAT 00 4N LONG 142 29.5W WEATHER 2 SEA STATE 4
 BAROMETER 08 WIND DIR 060 SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 26.4 WET 24.7 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.238	35.133	4.23	22.760	.000
10	26.794	35.131	4.21	22.901	.050
20	26.517	35.106	4.19	22.969	.100
30	26.262	35.093	4.20	23.046	.149
40	26.003	35.128	4.13	23.147	.197
50	25.542	35.146	3.91	23.304	.243
60	24.974	35.187	3.74	23.508	.289
70	24.284	35.256	3.49	23.769	.332
80	23.665	35.398	3.31	24.054	.372
90	22.465	35.392	3.14	24.402	.409
100	20.370	35.266	3.00	24.853	.443
110	19.245	35.338	2.96	25.234	.472
120	18.699	35.288	2.96	25.335	.499
130	17.769	35.204	3.08	25.502	.525
140	17.365	35.258	3.06	25.641	.550
150	16.353	35.177	3.09	25.819	.573
160	15.682	35.140	3.05	25.945	.595
170	15.355	35.108	3.03	25.993	.616
180	14.567	35.038	3.05	26.113	.636
190	13.909	34.988	3.09	26.214	.655
200	13.582	34.977	3.09	26.274	.673
250	12.325	34.873	1.97	26.445	.761
300	11.659	34.831	.94	26.540	.841
350	10.416	34.755	.86	26.707	.915
400	9.894	34.723	.93	26.772	.985
450	8.852	34.662	1.19	26.897	1.051
500	8.634	34.654	1.98	26.925	1.112
550	7.675	34.612	1.03	27.037	1.171
600	7.283	34.591	1.24	27.077	1.226
650	6.637	34.566	1.47	27.147	1.279
700	6.319	34.560	1.55	27.155	1.330
750	5.677	34.549	1.76	27.213	1.378
800	5.400	34.544	1.98	27.286	1.424
850	5.231	34.544	2.07	27.308	1.468
900	4.990	34.544	2.13	27.336	1.511
950	4.753	34.549	2.14	27.368	1.553
1000	4.608	34.552	2.11	27.366	1.593
1500	3.203	34.598	2.30	27.507	1.947
2000	2.249	34.645	2.69	27.669	2.225
2008	2.243	34.644	2.71	27.689	

CAST EP2-80-0C-023 DATE 08 APR 80 TIME 1740 GMT
LAT 0 01.8S LONG 144 59.1W

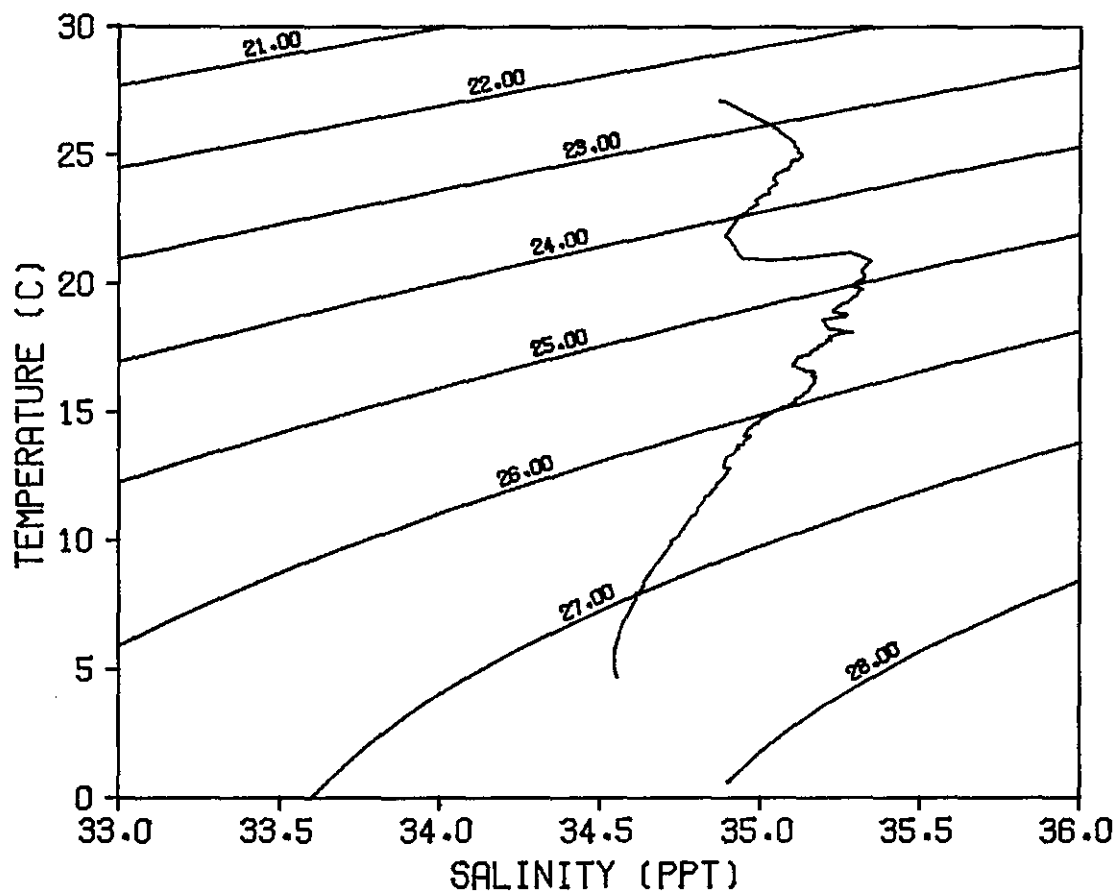


CAST EP2-80-DC-023 DATE 08 APR 80 TIME 1740 GMT
 LAT 0 01.8S LONG 144 59.1W WEATHER 2 SEA STATE 4
 BARMETER 10 WIND DIR 090 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 7 DRY 27.0 WET 25.0 DEPTH M

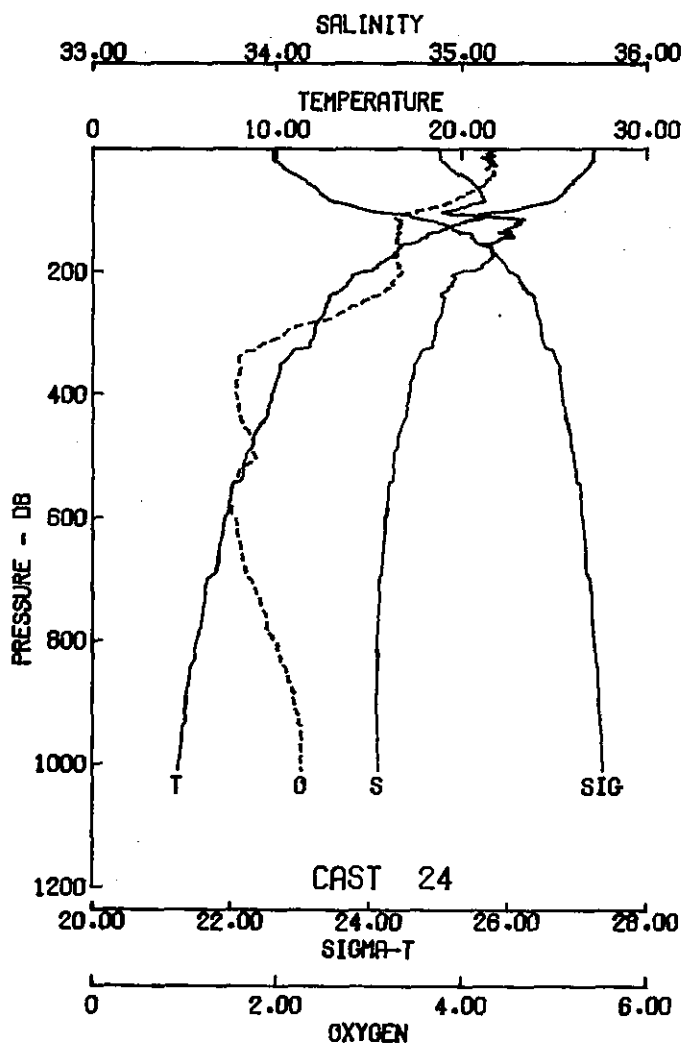


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.306	34.901	4.70	22.563	.000
10	27.297	34.902	4.74	22.568	.053
20	27.073	34.916	4.73	22.650	.106
30	26.431	34.973	4.64	22.896	.157
40	25.782	35.049	4.37	23.157	.205
50	25.558	35.073	4.09	23.244	.252
60	25.324	35.086	4.07	23.326	.298
70	25.092	35.102	3.87	23.409	.344
80	24.847	35.089	3.79	23.473	.389
90	24.188	35.068	3.58	23.656	.433
100	23.831	35.058	3.50	23.754	.475
110	21.503	34.974	3.14	24.326	.515
120	20.096	35.103	3.11	24.832	.549
130	19.505	35.273	3.10	25.001	.579
140	18.967	35.240	3.16	25.230	.608
150	18.471	35.189	3.14	25.314	.635
160	17.495	35.161	3.29	25.533	.662
170	16.724	35.194	3.29	25.745	.686
180	15.420	35.093	3.23	25.967	.708
190	14.810	35.048	3.20	26.068	.729
200	14.385	35.004	3.14	26.125	.749
250	12.834	34.909	2.53	26.373	.839
300	11.850	34.844	1.46	26.544	.923
350	10.665	34.764	.87	26.640	1.000
400	9.924	34.726	1.00	26.769	1.070
450	8.707	34.659	.96	26.918	1.135
500	8.416	34.638	1.30	26.946	1.196
550	7.486	34.598	1.08	27.054	1.255
600	7.108	34.584	1.27	27.097	1.309
650	6.869	34.574	1.42	27.122	1.362
700	6.523	34.566	1.51	27.163	1.414
750	6.020	34.552	1.70	27.218	1.463
800	5.493	34.546	1.99	27.278	1.509
850	5.241	34.544	2.14	27.307	1.553
900	5.005	34.545	2.16	27.335	1.597
950	4.593	34.549	2.18	27.374	1.639
1000	4.566	34.552	2.13	27.390	1.679
1004	4.540	34.555	2.12	27.396	

CAST EP2-80-0C-024 DATE 09 APR 80 TIME 1246 GMT
LAT 00 00.0N LONG 147 30.2W

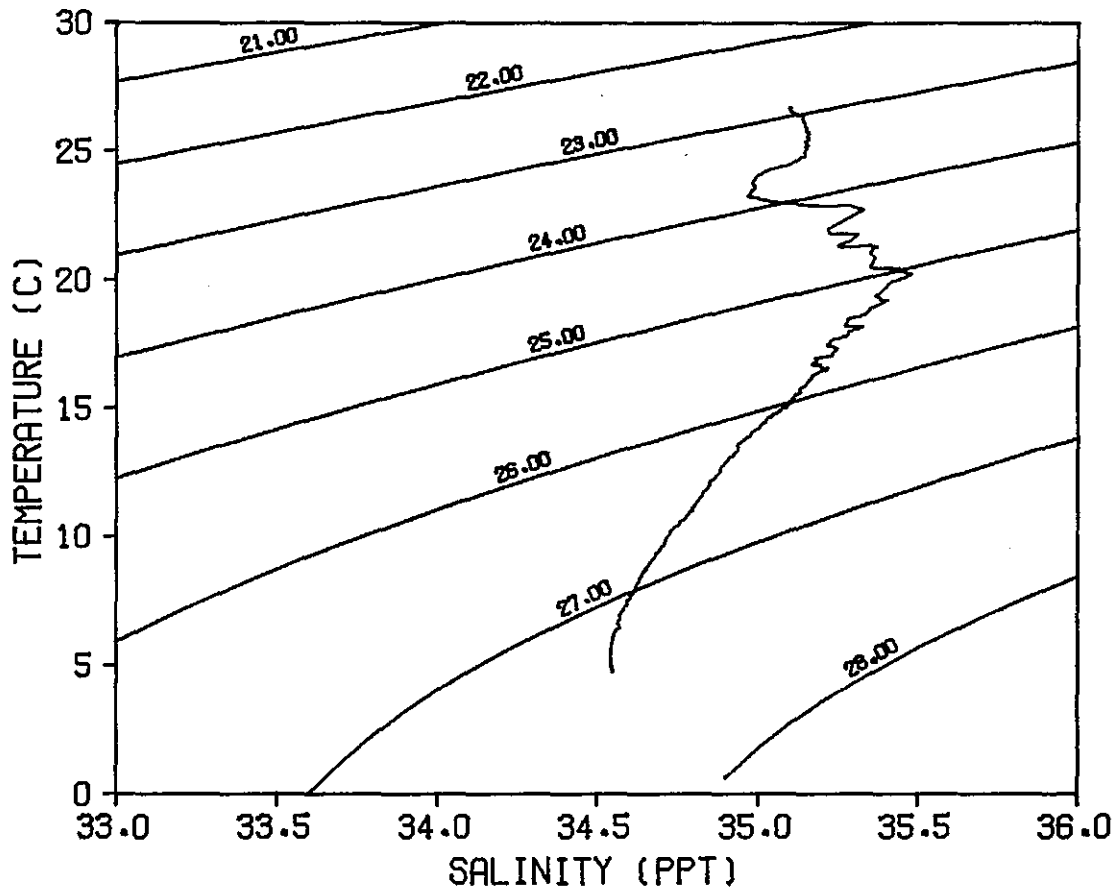


CAST EP2-8)-OC-024 DATE 09 APR 80 TIME 1246 GMT
 LAT 00 00.0N LONG 147 30.2W WEATHER 1 SEA STATE 3
 BAROMETER 08 WIND DIR 100 T SPD 15 KT VISIBILITY 8
 CLOUD 8 AMOUNT 5 DRY 26.8 WET 24.8 DEPTH M

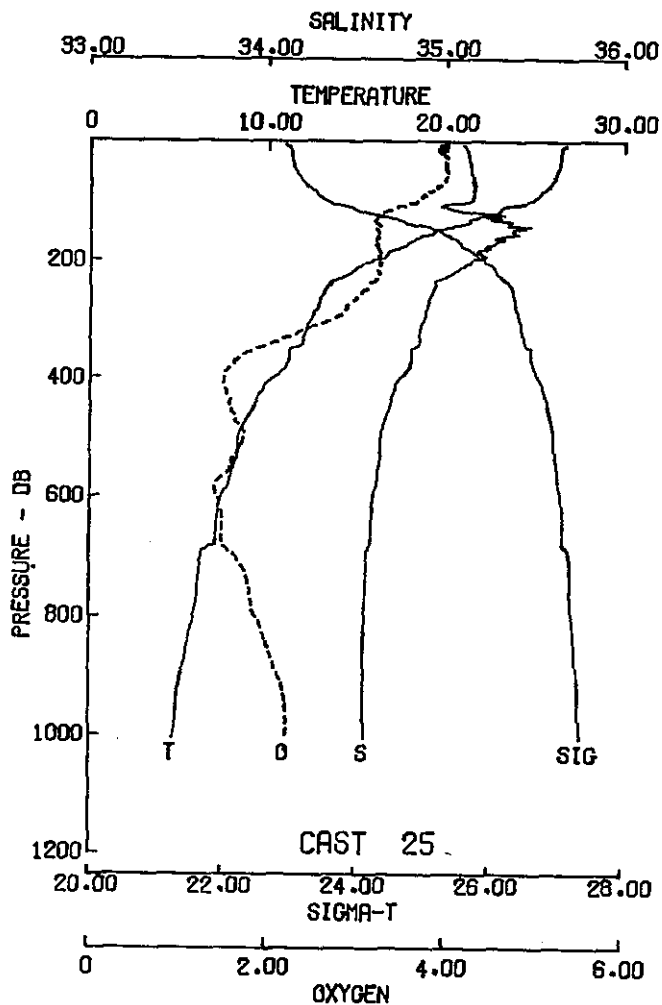


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.117	34.872	4.41	22.603	.000
10	27.092	34.884	4.29	22.619	.039
20	27.067	34.890	4.29	22.633	.105
30	26.810	34.927	4.27	22.742	.157
40	26.532	34.970	4.34	22.862	.207
50	26.105	35.034	4.28	23.045	.357
60	25.777	35.073	4.22	23.176	.505
70	25.514	35.102	4.10	23.279	.651
80	25.172	35.119	3.96	23.394	.807
90	24.763	35.051	3.81	23.620	.942
100	22.749	34.955	3.54	23.990	1.19
110	21.041	35.140	3.32	24.606	1.519
120	20.082	35.304	3.30	24.989	1.851
130	19.092	35.243	3.31	25.200	2.180
140	18.109	35.276	3.32	25.473	2.507
150	17.589	35.198	3.29	25.517	2.832
160	16.624	35.160	3.34	25.743	3.157
170	16.351	35.174	3.30	25.817	3.480
180	15.943	35.154	3.28	25.896	3.802
190	15.427	35.110	3.32	25.979	4.123
200	14.752	35.005	3.35	26.047	4.444
250	12.735	34.900	2.91	26.386	5.836
300	10.068	34.860	2.10	26.485	7.20
350	8.301	34.749	1.59	26.722	8.996
400	6.760	34.718	1.56	26.792	10.065
450	5.998	34.678	1.63	26.870	11.131
500	5.382	34.638	1.78	26.952	12.193
550	4.954	34.606	1.51	27.050	13.252
600	4.593	34.593	1.55	27.083	14.307
650	4.201	34.578	1.62	27.121	15.361
700	3.883	34.560	1.72	27.189	16.413
750	3.601	34.555	1.86	27.219	17.461
800	3.300	34.548	2.01	27.253	18.509
850	3.000	34.546	2.12	27.302	19.554
900	2.715	34.546	2.20	27.323	20.598
950	2.463	34.549	2.27	27.355	21.641
1000	2.287	34.554	2.27	27.379	22.682
1009	2.281	34.554	2.28	27.380	

CAST EP2-80-0C-025 DATE 10 APR 80 TIME 0014 GMT
LAT 00 02.1N LONG 150 01.4W

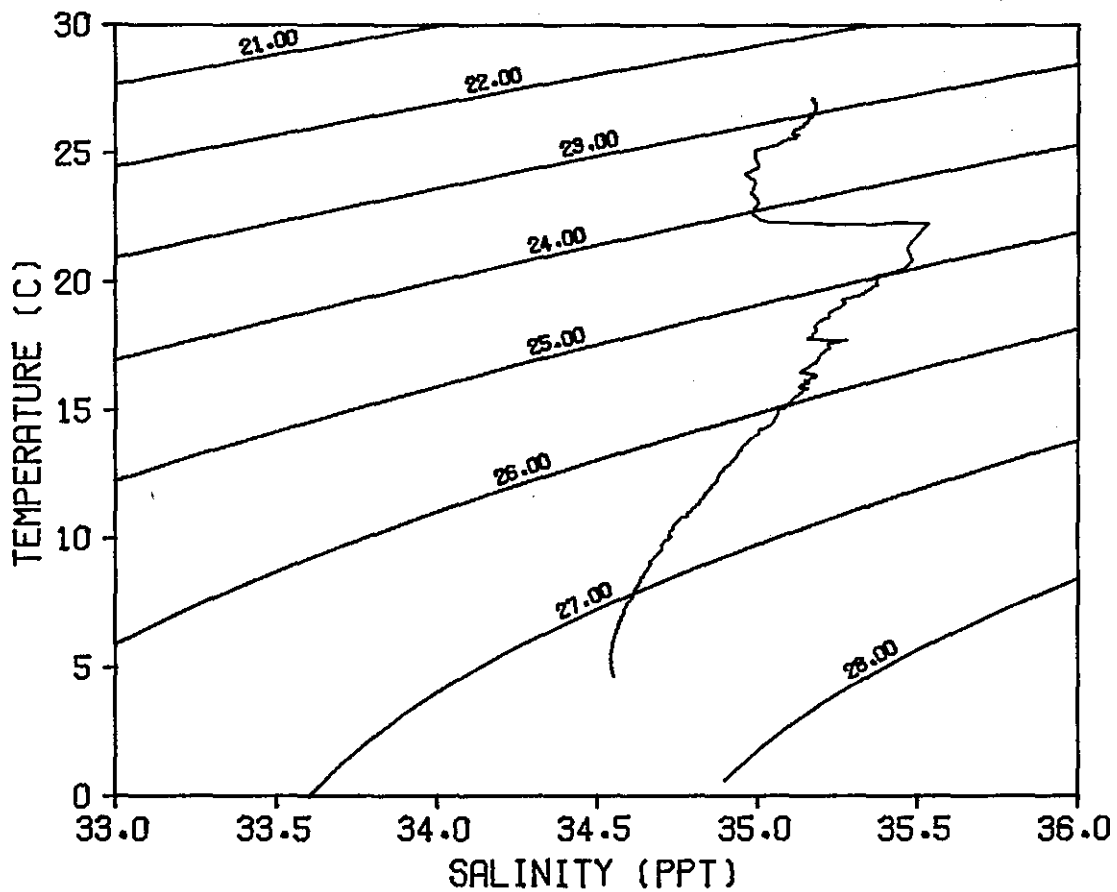


CAST EP2-83-DC-025 DATE 10 APR 80 TIME 0014 GMT
 LAT 00 02.1N LONG 150 01.4W WEATHER 2 SEA STATE 3
 BARDMETER 07 WIND DIR 120 T SPD 13 KT VISIBILITY 8
 CLOUD 8 AMOUNT 7 DRY 28.5 WET 25.3 DEPTH M

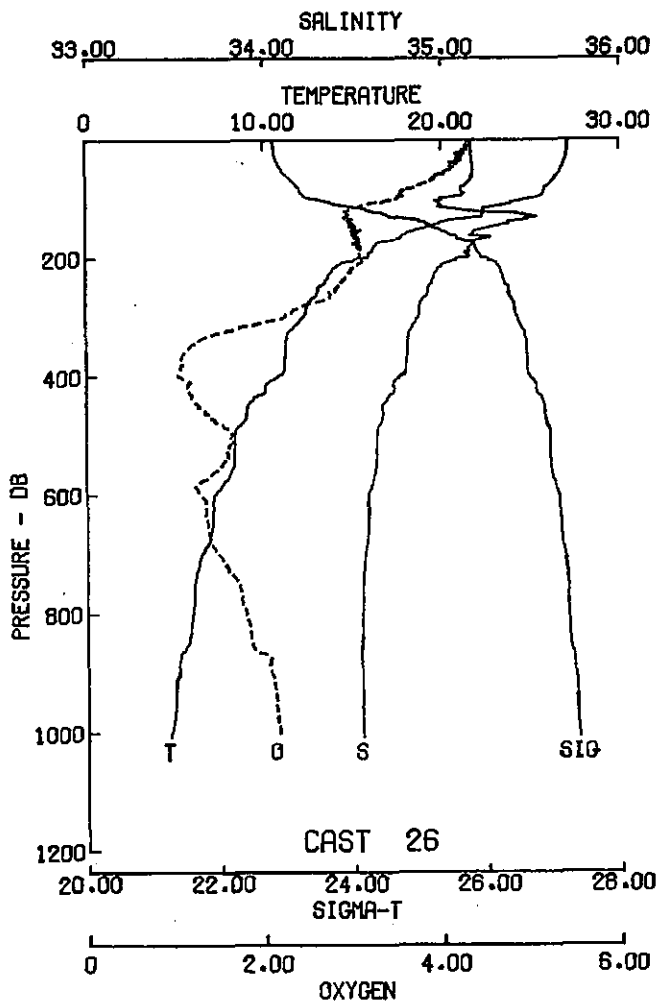


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.720	35.135	4.26	22.927	.000
6	26.666	35.097	3.97	22.916	
10	26.503	35.106	3.98	22.973	.049
20	26.436	35.119	3.93	23.005	.098
30	26.413	35.126	4.00	23.017	.147
40	26.364	35.136	4.01	23.040	.196
50	26.251	35.139	4.01	23.078	.244
60	26.069	35.144	4.00	23.139	.292
70	25.906	35.151	3.95	23.195	.340
80	25.578	35.151	3.90	23.206	.388
90	25.262	35.151	3.74	23.234	.437
100	24.892	35.142	3.67	23.290	.477
110	23.456	35.139	3.31	23.380	.520
120	22.929	35.139	3.31	24.077	.560
130	21.768	35.312	3.21	24.537	.597
140	20.884	35.362	3.23	24.818	.630
150	19.425	35.372	3.24	25.213	.660
160	18.576	35.339	3.21	25.379	.688
170	17.915	35.283	3.23	25.526	.714
180	17.369	35.236	3.25	25.623	.739
190	16.703	35.198	3.25	25.722	.762
200	15.916	35.151	3.23	25.809	.785
250	13.188	34.927	3.10	26.315	.893
300	12.464	34.880	2.73	26.424	.970
350	11.300	34.810	1.92	26.591	1.052
400	10.347	34.745	1.51	26.711	1.127
450	9.193	34.681	1.50	26.796	1.196
500	8.337	34.633	1.74	26.953	1.257
550	8.068	34.621	1.59	26.986	1.316
600	7.410	34.593	1.44	27.061	1.374
650	7.122	34.583	1.30	27.094	1.428
700	6.281	34.598	1.64	27.188	1.481
750	6.076	34.551	1.80	27.209	1.530
800	5.856	34.546	1.87	27.233	1.578
850	5.486	34.544	1.99	27.278	1.624
900	5.153	34.542	2.11	27.316	1.663
950	4.945	34.544	2.21	27.342	1.713
1000	4.756	34.547	2.21	27.366	1.754
1006	4.717	34.549	2.21	27.372	

CAST EP2-80-0C-026 DATE 10 APR 80 TIME 1902 GMT
LAT 0 00.4S LONG 152 30.0W

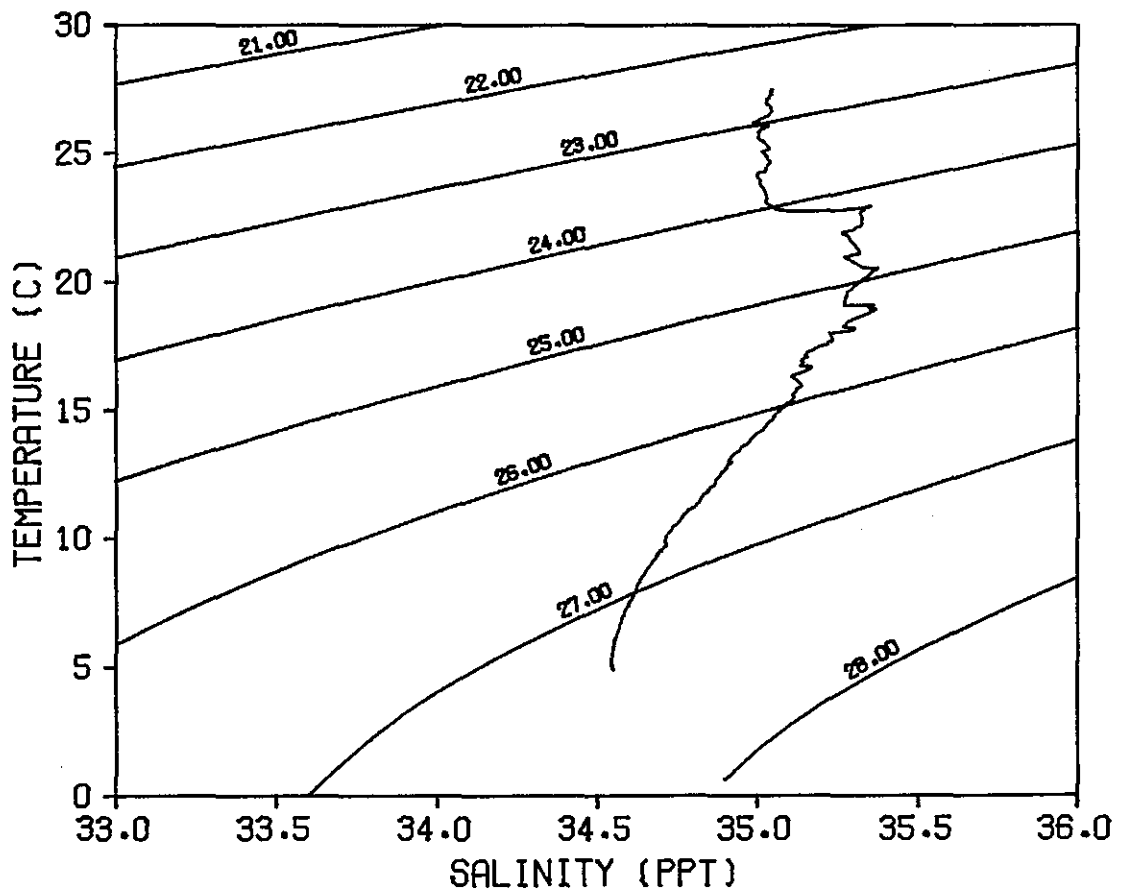


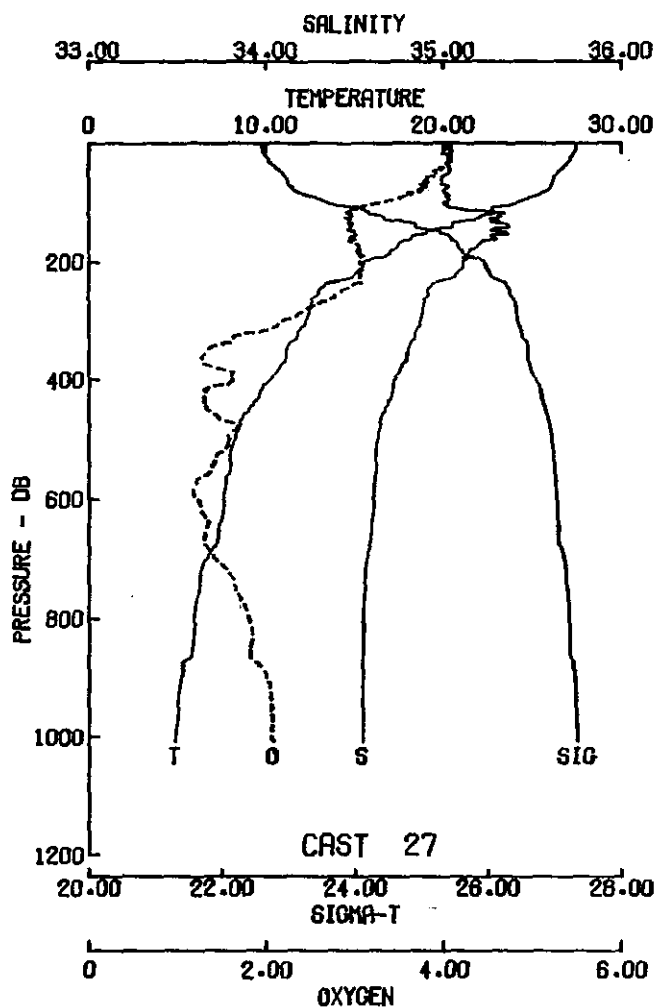
CAST EP2-89-0C-026 DATE 10 APR 80 TIME 1902 GMT
 LAT 0 00.45 LONG 152 30.0W WEATHER 2 SEA STATE 3
 BAROMETER 03 WIND DIR 100 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 28.0 WET 26.1 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.123	35.169	4.35	22.824	.000
1	27.120	35.169	4.36	22.825	
10	27.109	35.169	4.29	22.829	.050
20	27.091	35.171	4.23	22.836	.101
30	27.036	35.172	4.23	22.855	.151
40	26.918	35.178	4.12	22.897	.201
50	26.769	35.181	4.09	22.946	.251
60	26.666	35.179	3.98	22.999	.300
70	26.555	35.157	3.87	23.058	.349
80	26.438	35.114	3.72	23.183	.397
90	26.313	35.120	3.55	23.226	.444
100	24.856	35.090	3.50	23.395	.490
110	23.628	35.085	3.14	23.757	.534
120	22.319	35.128	2.95	24.243	.573
130	22.087	35.223	2.93	24.551	.608
140	19.903	35.374	2.98	25.089	.640
150	19.226	35.261	2.90	25.231	.669
160	17.773	35.171	2.90	25.426	.695
170	17.205	35.197	2.90	25.633	.721
180	16.229	35.165	2.90	25.838	.743
190	16.029	35.148	2.90	25.872	.765
200	15.438	35.109	2.90	25.975	.787
250	13.064	35.925	2.83	26.340	.881
300	12.234	35.870	2.70	26.461	.967
350	11.208	35.803	2.16	26.603	1.045
400	10.604	35.763	1.04	26.645	1.121
450	9.053	35.661	1.28	26.686	1.190
500	8.360	35.633	1.64	26.695	1.253
550	8.295	35.630	1.53	26.959	1.313
600	7.239	35.583	1.30	27.078	1.371
650	7.041	35.580	1.36	27.103	1.425
700	6.452	35.561	1.48	27.168	1.477
750	6.347	35.552	1.71	27.214	1.526
800	5.957	35.546	1.79	27.222	1.575
850	5.741	35.545	1.86	27.247	1.622
900	5.155	35.541	2.06	27.315	1.667
950	4.959	35.545	2.10	27.341	1.710
1000	4.720	35.547	2.16	27.370	1.752
1007	4.564	35.548	2.14	27.377	

CAST EP2-80-0C-027 DATE 11 APR 80 TIME 0805 GMT
LAT 00 02.7N LONG 155 01.0W

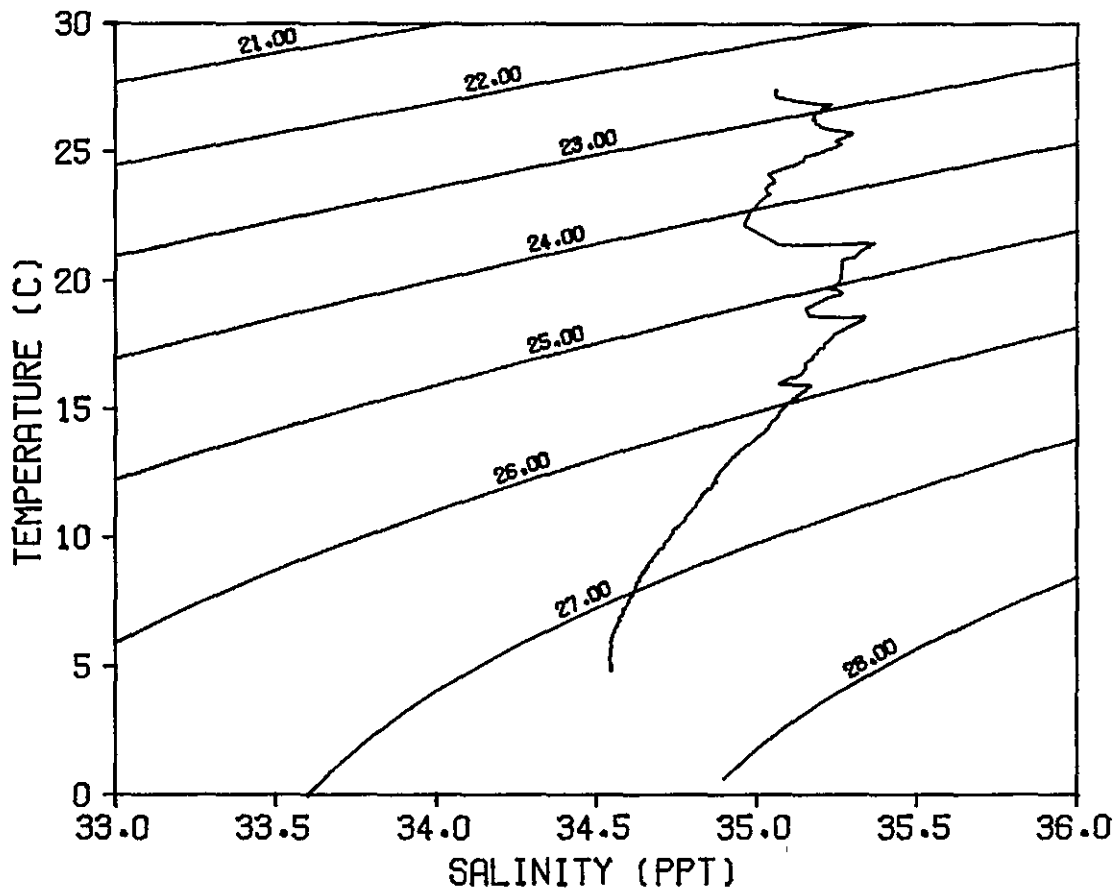




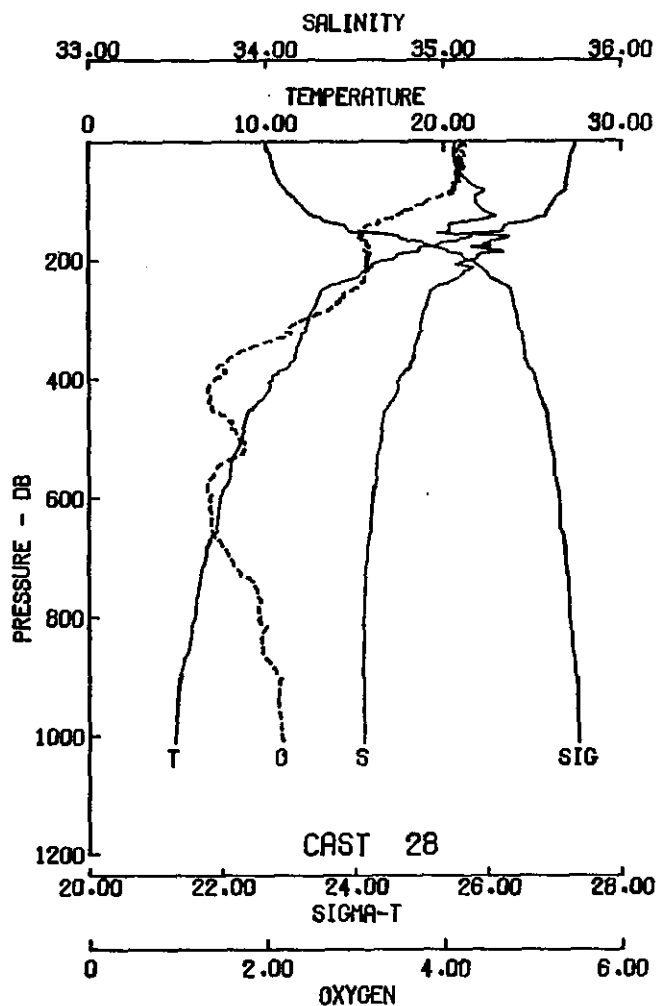
CAST EP2-83-0C-027 DATE 11 APR 80 TIME 0805 GMT
 LAT 00 02.74 LONG 155 01.04 WEATHER 2 SEA STATE 3
 BARMETER 09 WIND DIR 110 T SPD 13 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 26.5 WET 25.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	DKY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.472	35.045	4.06	22.619	.000
2	27.475	35.045	4.03	22.618	
10	27.465	35.044	4.02	22.620	.052
20	27.308	35.043	4.03	22.670	.105
30	27.121	35.030	4.04	22.720	.156
40	26.850	35.036	4.03	22.811	.208
50	26.493	35.038	3.93	22.926	.258
60	26.198	35.091	3.85	22.983	.307
70	26.100	35.090	3.76	23.014	.356
80	25.332	35.003	3.73	23.107	.405
90	25.153	35.037	3.59	23.341	.452
100	24.304	35.028	3.30	23.591	.496
110	23.748	35.091	3.02	24.093	.538
120	22.812	35.331	2.95	24.257	.576
130	21.670	35.285	2.93	24.544	.611
140	20.515	35.370	2.93	24.924	.643
150	19.083	35.359	2.99	25.291	.673
160	18.234	35.283	2.96	25.447	.700
170	17.554	35.212	2.93	25.560	.725
180	17.267	35.159	3.03	25.589	.750
190	16.838	35.142	3.06	25.678	.774
200	15.555	35.108	3.10	25.949	.796
250	12.994	34.913	2.85	26.345	.895
300	12.288	34.872	2.22	26.452	.980
350	11.176	34.801	1.34	26.607	1.060
400	10.238	34.726	1.64	26.716	1.134
450	9.068	34.676	1.24	26.873	1.201
500	8.296	34.634	1.60	26.961	1.263
550	8.000	34.622	1.39	26.997	1.321
600	7.648	34.608	1.21	27.038	1.378
650	7.365	34.597	1.33	27.070	1.435
700	6.715	34.572	1.43	27.142	1.489
750	6.243	34.559	1.65	27.194	1.539
800	5.973	34.550	1.81	27.222	1.587
850	5.866	34.550	1.82	27.255	1.635
900	5.238	34.545	2.00	27.308	1.681
950	5.058	34.546	2.06	27.330	1.725
1000	4.921	34.546	2.07	27.346	1.767
1008	4.905	34.549	2.09	27.350	

CAST EP2-80-0C-028 DATE 12 APR 80 TIME 0407 GMT
LAT 00 00.1N LONG 157 30.0W

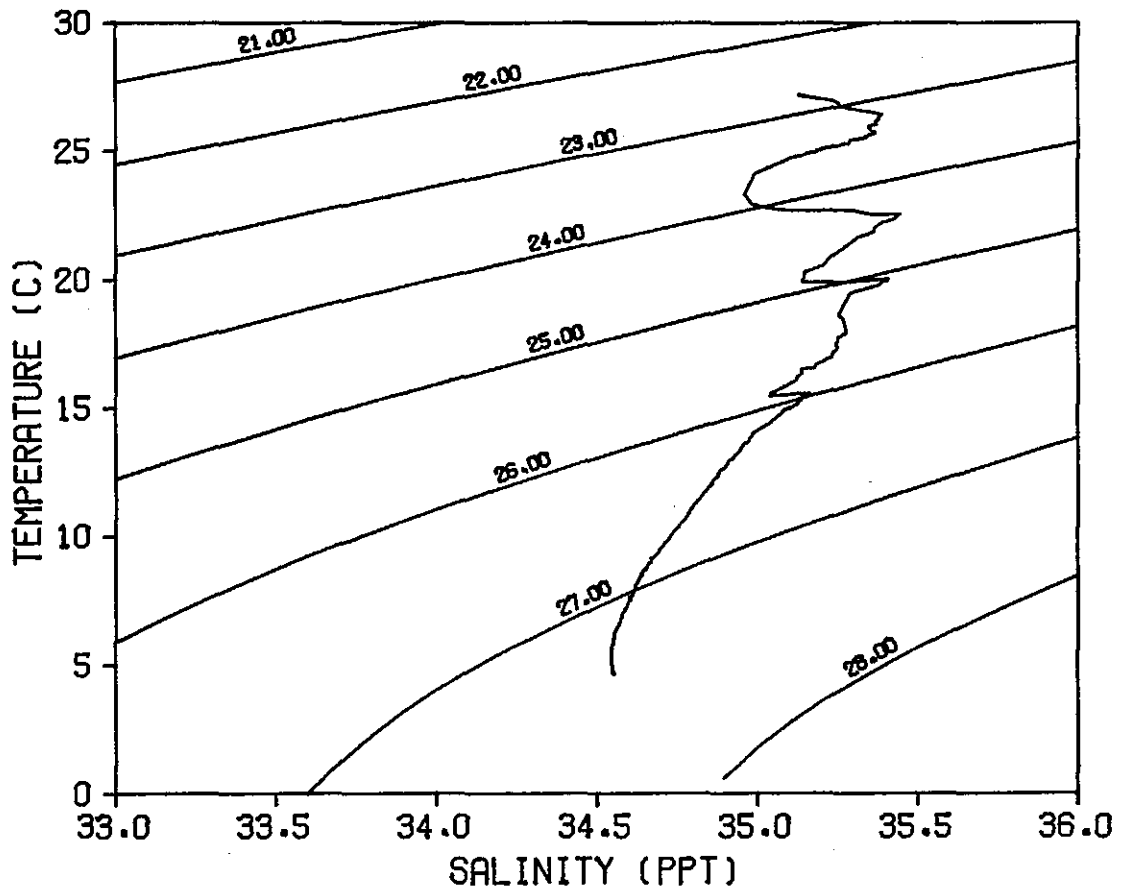


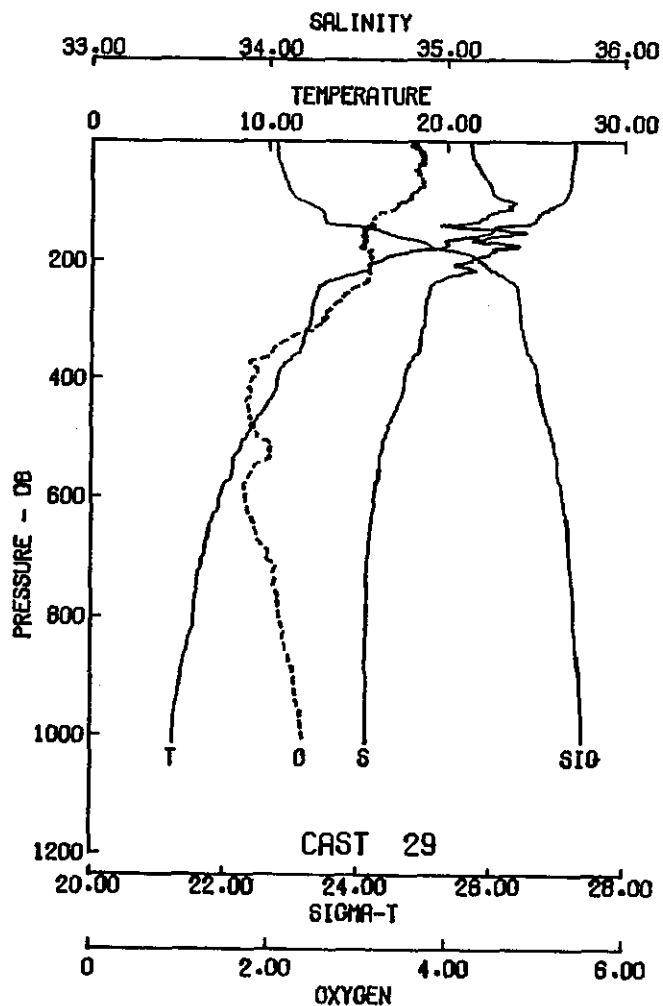
CAST EP2-80-DC-028 DATE 12 APR 80 TIME 0407 GMT
 LAT 00.1N LONG 157 30.0W WEATHER 1 SEA STATE 3
 BAROMETER 05 WIND DIR 090 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 27.5 WET 25.0 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.392	35.058	4.17	22.654	.000
2	27.385	35.058	4.22	22.657	
10	27.369	35.058	4.16	22.662	.052
20	27.223	35.056	4.22	22.707	.104
30	27.136	35.061	4.18	22.739	.155
40	27.086	35.070	4.18	22.761	.207
50	27.045	35.085	4.23	22.786	.258
60	26.994	35.108	4.22	22.819	.309
70	26.929	35.147	4.19	22.869	.359
80	26.842	35.202	4.12	22.939	.409
90	26.587	35.197	4.03	23.016	.458
100	26.235	35.179	3.81	23.113	.507
110	25.984	35.197	3.67	23.205	.555
120	25.827	35.246	3.54	23.291	.601
130	25.715	35.248	3.38	23.382	.647
140	23.716	35.038	3.25	23.772	.691
150	23.301	35.029	3.05	23.887	.732
160	21.465	35.330	3.08	24.635	.770
170	20.233	35.260	3.13	24.915	.803
180	18.545	35.159	3.14	25.249	.832
190	17.523	35.206	3.17	25.563	.859
200	16.974	35.171	3.17	25.569	.883
250	13.166	34.935	2.97	26.327	.986
300	12.373	34.876	2.42	26.438	1.072
350	11.683	34.835	1.76	26.539	1.154
400	10.351	34.751	1.44	26.716	1.230
450	9.229	34.679	1.38	26.849	1.299
500	8.604	34.645	1.67	26.922	1.362
550	7.997	34.620	1.44	26.996	1.422
600	7.378	34.594	1.35	27.067	1.479
650	7.220	34.588	1.39	27.084	1.534
700	6.561	34.566	1.58	27.158	1.586
750	6.138	34.550	1.86	27.198	1.636
800	5.977	34.547	1.92	27.219	1.684
850	5.534	34.545	1.95	27.260	1.731
900	5.154	34.541	2.14	27.315	1.776
950	4.967	34.546	2.14	27.341	1.819
1000	4.853	34.546	2.16	27.353	1.861
1012	4.810	34.545	2.18	27.358	

CAST EP2-80-0C-029 DATE 12 APR 80 TIME 1247 GMT
LAT 00 01.5N LONG 159 14.4W

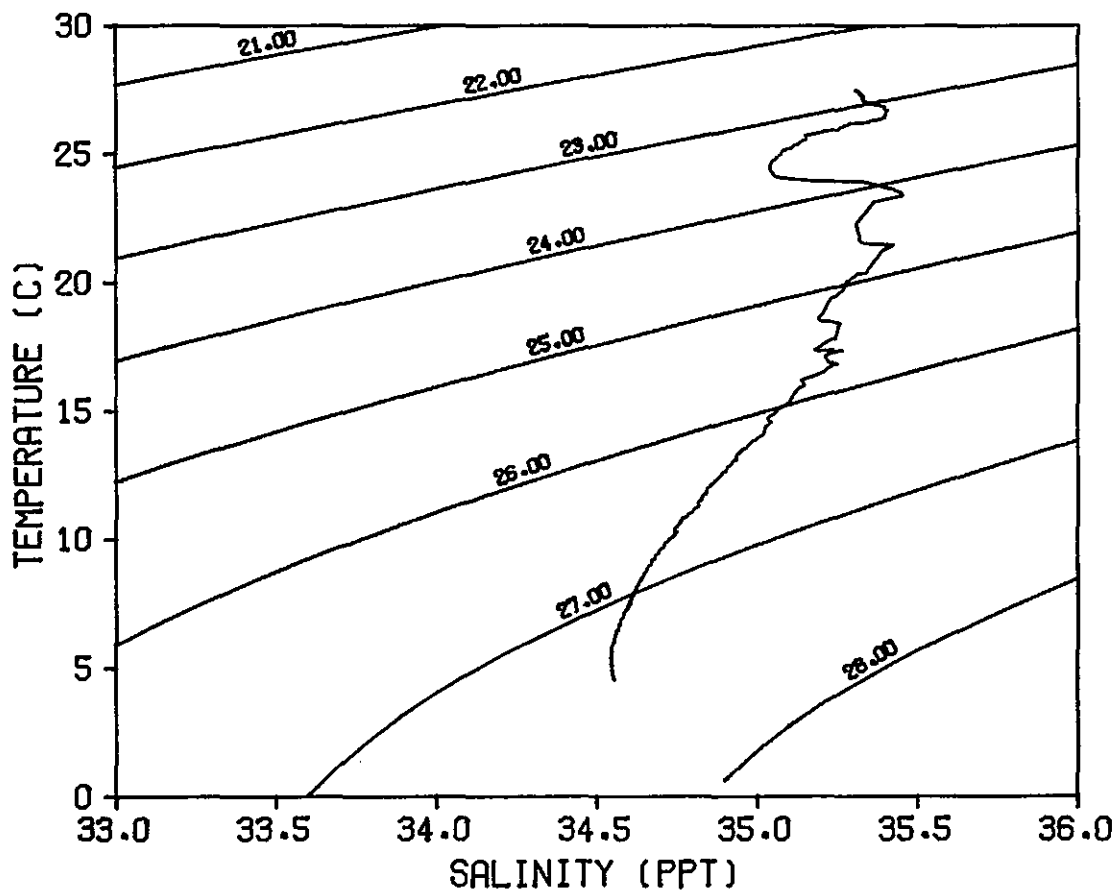




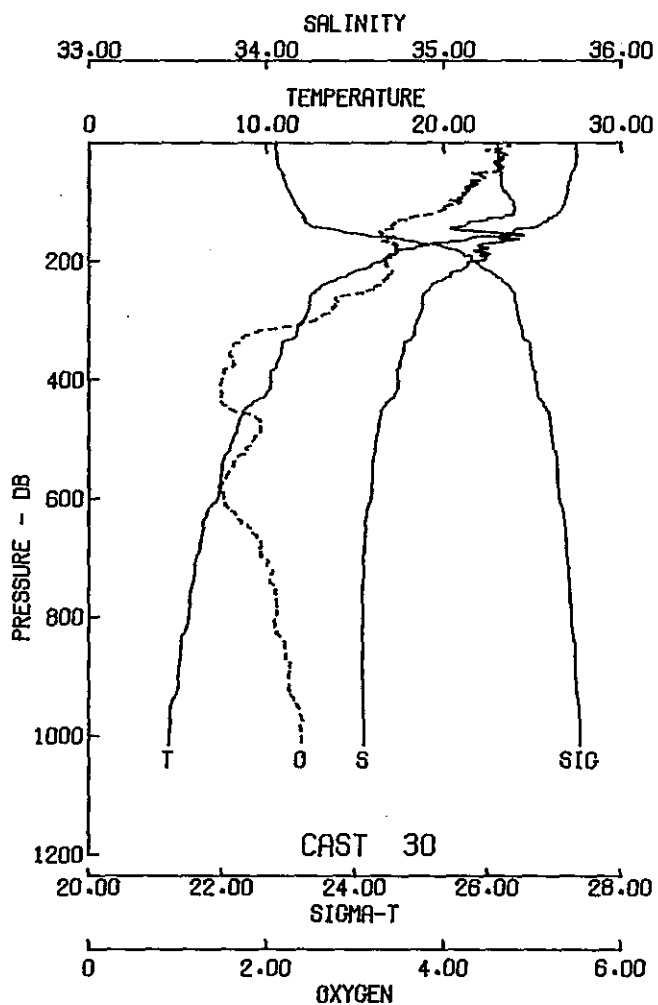
CAST EP2-83-DC-029 DATE 12 APR 80 TIME 1247 GMT
 LAT 00 01.5N LONG 159 14.4W WEATHER 2 SEA STATE 2
 BAROMETER 06 WIND DIR 120 T SPD 13 KT VISIBILITY 9
 CLOUD X AMOUNT 8 DRY 26.9 WET 24.4 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.177	35.132	3.61	22.778	.000
1	27.177	35.132	3.59	22.779	.051
10	27.177	35.132	3.70	22.779	.102
20	27.156	35.140	3.69	22.792	.153
30	27.135	35.149	3.73	22.805	.203
40	27.0378	35.171	3.68	22.840	.253
50	26.932	35.189	3.66	22.868	.303
60	26.980	35.216	3.71	22.903	.353
70	26.939	35.236	3.72	22.933	.403
80	26.881	35.249	3.67	22.962	.452
90	26.741	35.258	3.58	23.013	.501
100	26.532	35.334	3.54	23.137	.547
110	25.933	35.342	3.43	23.331	.592
120	25.307	35.283	3.24	23.480	.637
130	25.533	35.100	3.16	23.500	.681
140	25.099	35.993	3.17	23.625	.720
150	25.562	35.337	3.07	24.332	.755
160	25.539	35.312	3.05	24.573	.787
170	25.927	35.285	3.08	25.015	.817
180	25.466	35.291	3.08	25.140	.843
190	25.011	35.230	3.13	25.704	.866
200	25.234	35.128	3.15	25.809	.964
250	25.736	35.903	2.89	26.388	1.048
300	25.354	35.875	2.60	26.441	1.130
350	25.775	35.841	2.05	26.526	1.205
400	25.473	35.759	1.82	26.700	1.276
450	25.806	35.720	1.77	26.785	1.341
500	25.743	35.653	1.87	26.906	1.401
550	25.977	35.621	1.84	27.000	1.458
600	25.275	35.593	1.74	27.080	1.511
650	25.643	35.571	1.83	27.150	1.561
700	25.328	35.550	1.98	27.183	1.610
750	25.376	35.552	2.08	27.222	1.657
800	25.488	35.548	2.13	27.244	1.703
850	25.481	35.546	2.19	27.281	1.747
900	25.068	35.547	2.28	27.330	1.789
950	25.787	35.549	2.33	27.364	1.830
1000	25.673	35.550	2.39	27.377	
1013	25.553	35.553	2.39	27.382	

CAST EP2-80-0C-030 DATE 13 APR 80 TIME 1044 GMT
LAT 0 00.1S LONG 162 28.6W

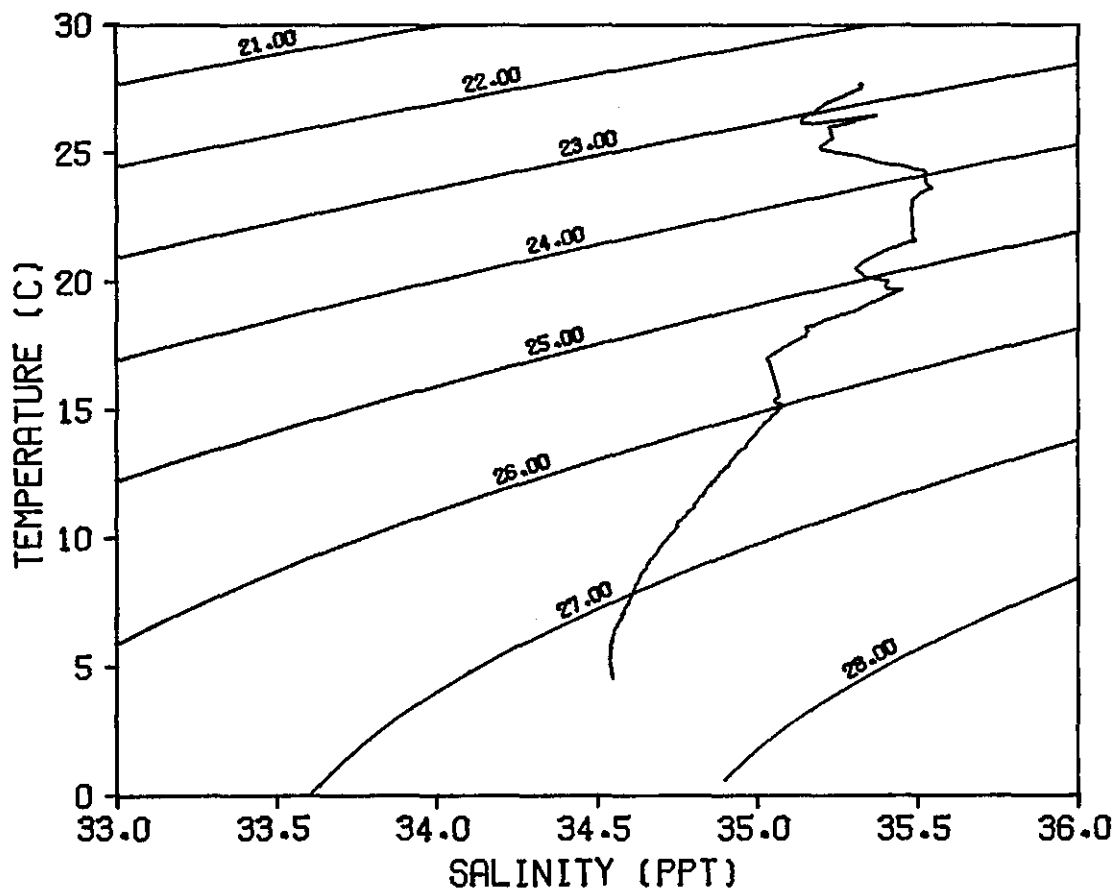


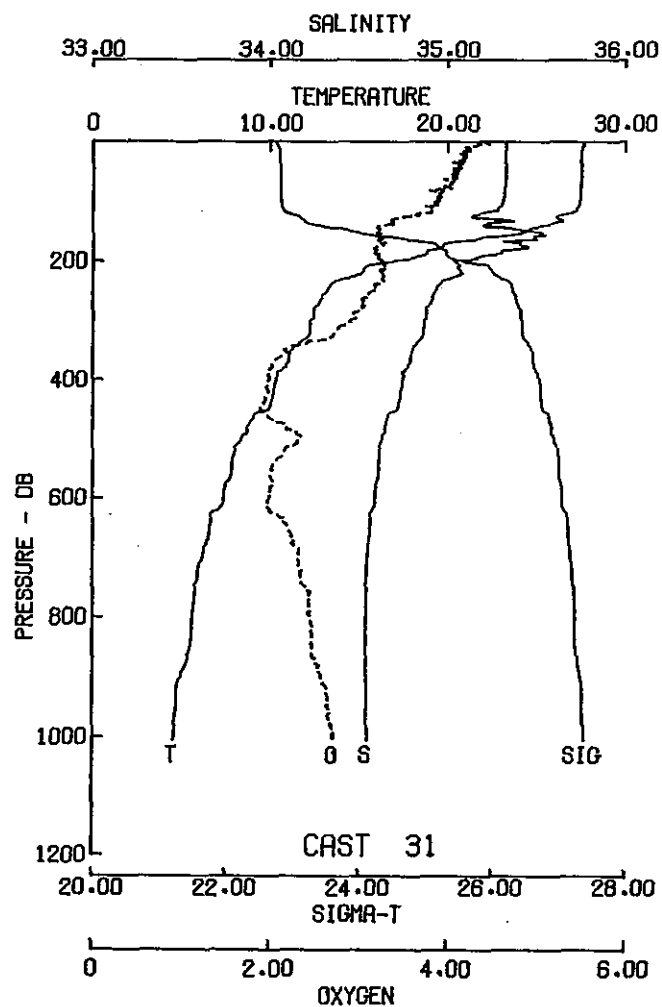
CAST EP2-80-DC-030 DATE 13 APR 80 TIME 1044 GMT
 LAT 0 00.1S LONG 162 28.6W WEATHER 1 SEA STATE 3
 BAROMETER 08 WIND DIR 080 T SPD 14 KT VISIBILITY 8
 CLOUD 6 AMOUNT 3 DRY 26.7 WET 25.0 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.467	35.306	4.76	22.816	.000
10	27.472	35.309	4.66	22.817	.050
20	27.461	35.311	4.70	22.822	.101
30	27.450	35.313	4.64	22.827	.152
40	27.406	35.314	4.59	22.842	.202
50	27.231	35.329	4.49	22.910	.252
60	27.173	35.331	4.46	22.930	.302
70	27.049	35.330	4.38	22.969	.351
80	26.999	35.337	4.26	22.990	.401
90	26.906	35.365	4.20	23.041	.450
100	26.818	35.392	4.21	23.089	.498
110	26.707	35.401	4.01	23.131	.546
120	26.468	35.395	3.87	23.202	.594
130	25.939	35.252	3.58	23.261	.641
140	25.384	35.128	3.39	23.339	.687
150	23.958	35.160	3.28	23.793	.732
160	22.247	35.306	3.48	24.398	.771
170	20.004	35.280	3.42	24.991	.804
180	18.226	35.252	3.47	25.426	.832
190	17.315	35.251	3.41	25.648	.856
200	16.621	35.218	3.35	25.787	.880
250	12.345	34.913	3.15	26.374	.978
300	12.119	34.857	2.56	26.473	1.062
350	10.865	34.777	1.60	26.644	1.140
400	10.276	34.747	1.50	26.726	1.213
450	8.895	34.661	1.60	26.889	1.281
500	8.137	34.624	1.87	26.978	1.342
550	7.512	34.604	1.61	27.055	1.399
600	7.281	34.594	1.52	27.080	1.454
650	6.442	34.563	1.81	27.171	1.505
700	6.092	34.551	1.97	27.207	1.554
750	5.825	34.547	2.09	27.238	1.602
800	5.634	34.549	2.10	27.263	1.648
850	5.185	34.547	2.21	27.316	1.693
900	5.064	34.548	2.26	27.331	1.736
950	4.639	34.552	2.36	27.382	1.778
1000	4.548	34.555	2.40	27.395	1.818
1015	4.525	34.555	2.41	27.397	

CAST EP2-80-0C-031 DATE 13 APR 80 TIME 2334 GMT
LAT 00 01.1N LONG 164 59.6W

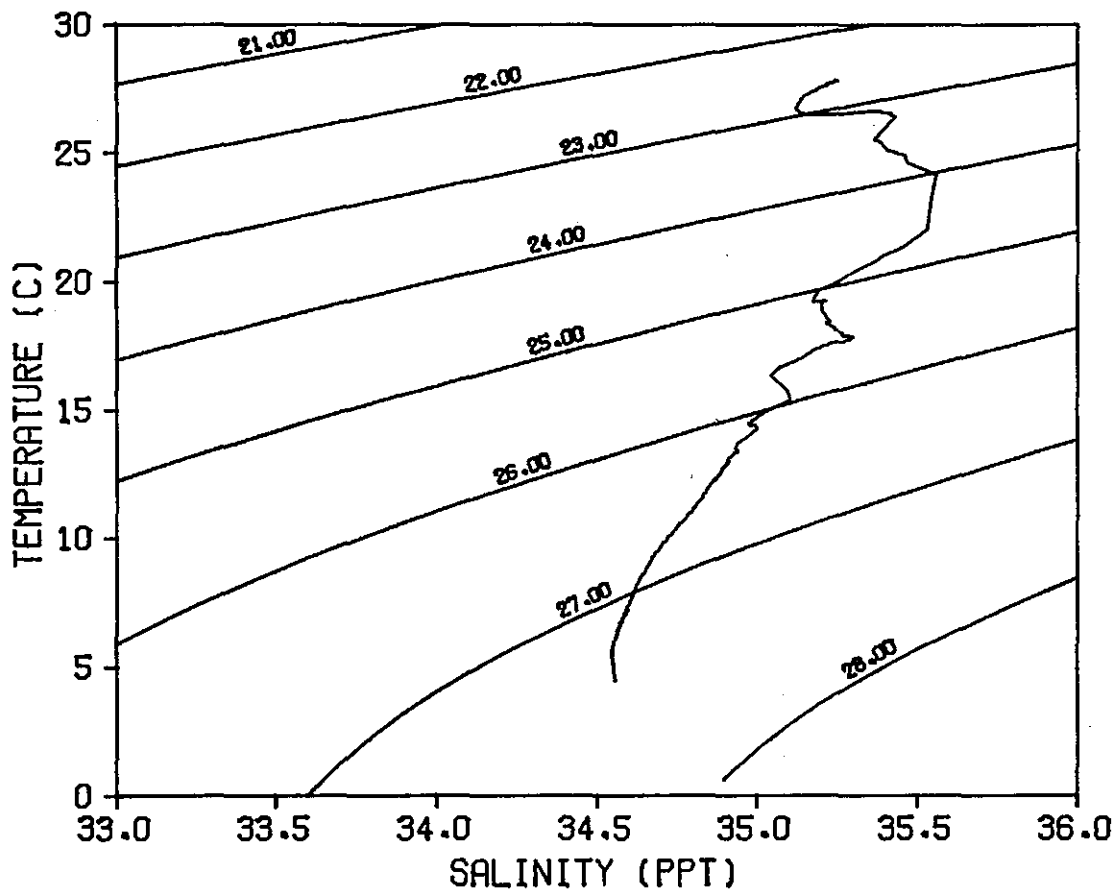


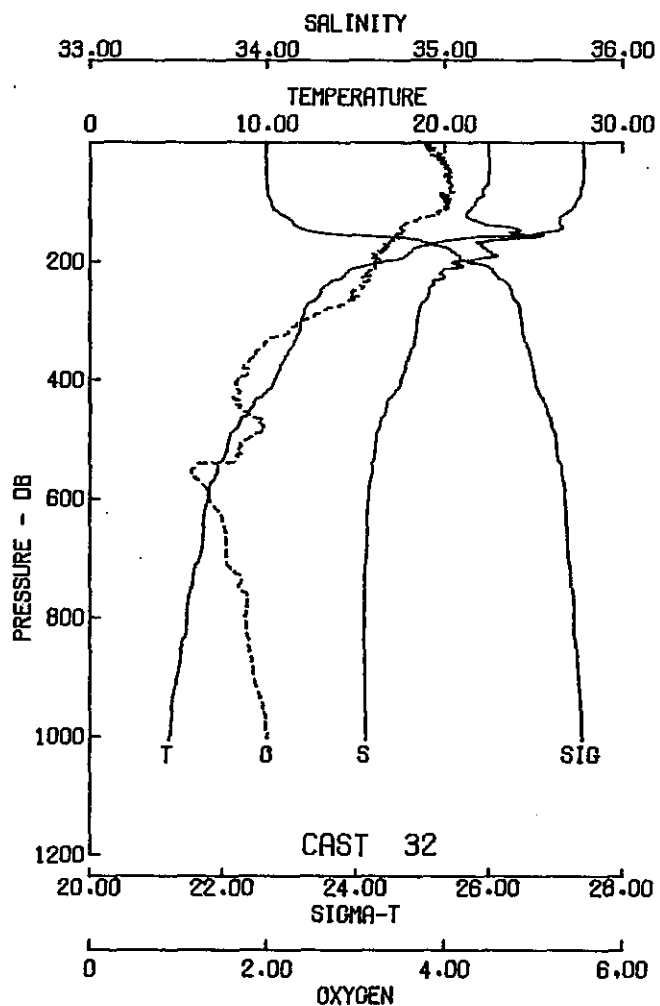


CAST EP2-80-0C-031 DATE 13 APR 80 TIME 2334 GMT
 LAT 00 01.1N LONG 164 59.6W WEATHER 1 SEA STATE 3
 BAROMETER 05 WIND DIR 100 T SPD 16 KT VISIBILITY 9
 CLOUD 7 AMOUNT 5 DRY 29.0 WET 25.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.692	35.318	4.54	22.753	.000
2	27.679	35.324	4.41	22.761	
5	27.580	35.328	4.19	22.796	.051
10	27.531	35.328	4.13	22.812	.102
20	27.524	35.328	4.17	22.814	.152
30	27.513	35.325	4.10	22.816	.203
40	27.513	35.325	4.05	22.816	.254
50	27.513	35.325	4.10	22.816	.304
60	27.497	35.322	4.05	22.819	.355
70	27.480	35.319	3.89	22.822	.406
80	27.471	35.318	3.87	22.824	.457
90	27.443	35.310	3.89	22.830	.507
100	27.346	35.293	3.82	22.846	.558
110	26.869	35.210	3.70	22.936	.609
120	26.253	35.231	3.38	23.147	.657
130	25.580	35.241	3.28	23.364	.704
140	24.501	35.453	3.18	23.852	.748
150	22.846	35.481	3.21	24.360	.787
160	20.013	35.410	3.28	25.087	.819
170	19.405	35.401	3.16	25.240	.848
180	18.728	35.270	3.19	25.313	.876
190	16.952	35.032	3.28	25.567	.902
200	13.193	34.932	3.15	26.318	1.002
250	12.277	34.867	2.91	26.450	1.088
300	11.240	34.799	2.16	26.594	1.170
350	10.368	34.746	1.98	26.709	1.244
400	9.329	34.717	1.90	26.762	1.314
450	8.417	34.631	2.33	26.941	1.378
500	7.852	34.612	2.01	27.011	1.437
550	7.424	34.595	2.00	27.060	1.493
600	6.605	34.560	2.20	27.147	1.546
650	6.227	34.552	2.33	27.191	1.597
700	5.791	34.542	2.44	27.238	1.644
750	5.644	34.541	2.45	27.256	1.691
800	5.544	34.544	2.48	27.270	1.737
850	5.544	34.543	2.58	27.334	1.782
900	5.004	34.547	2.66	27.366	1.823
950	4.744	34.549	2.73	27.386	1.864
1000	4.586	34.549	2.73	27.387	
1005	4.574	34.549	2.73	27.387	

CAST EP2-80-0C-032 DATE 14 APR 80 TIME 1347 GMT
LAT 0 01.5S LONG 167 28.9W

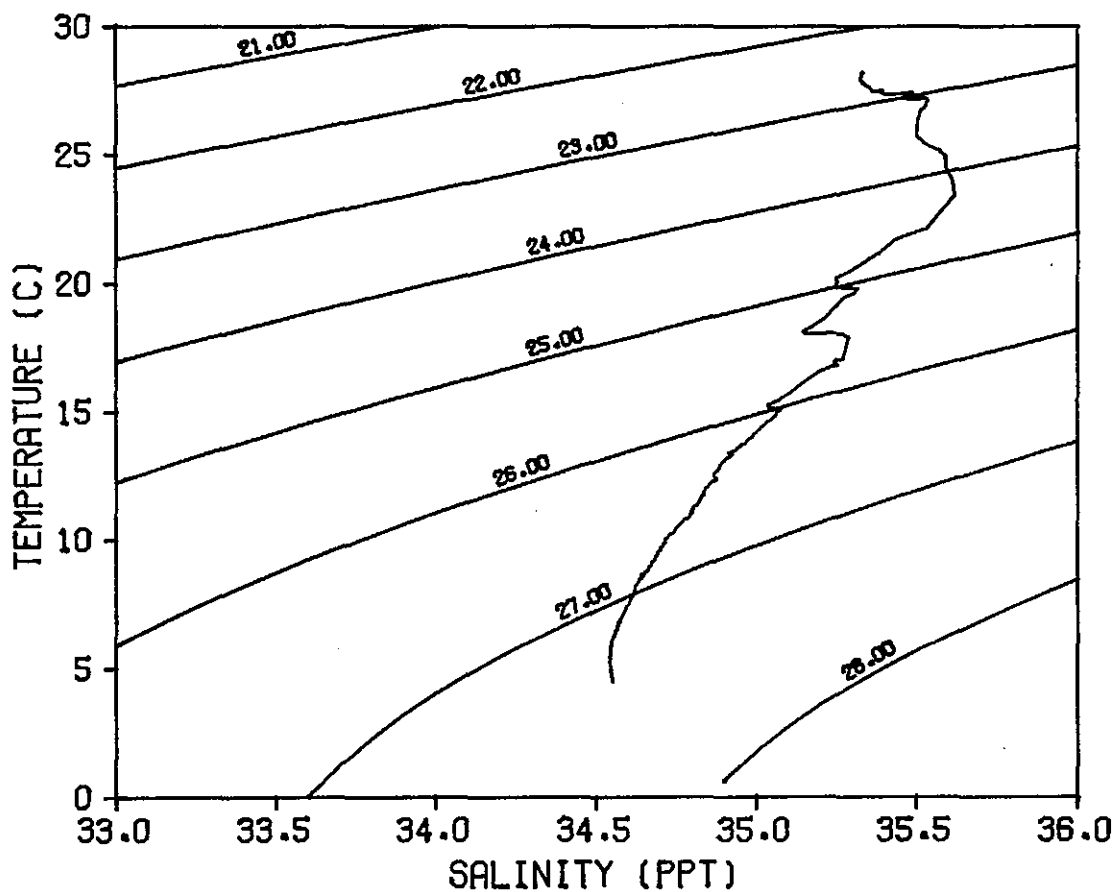




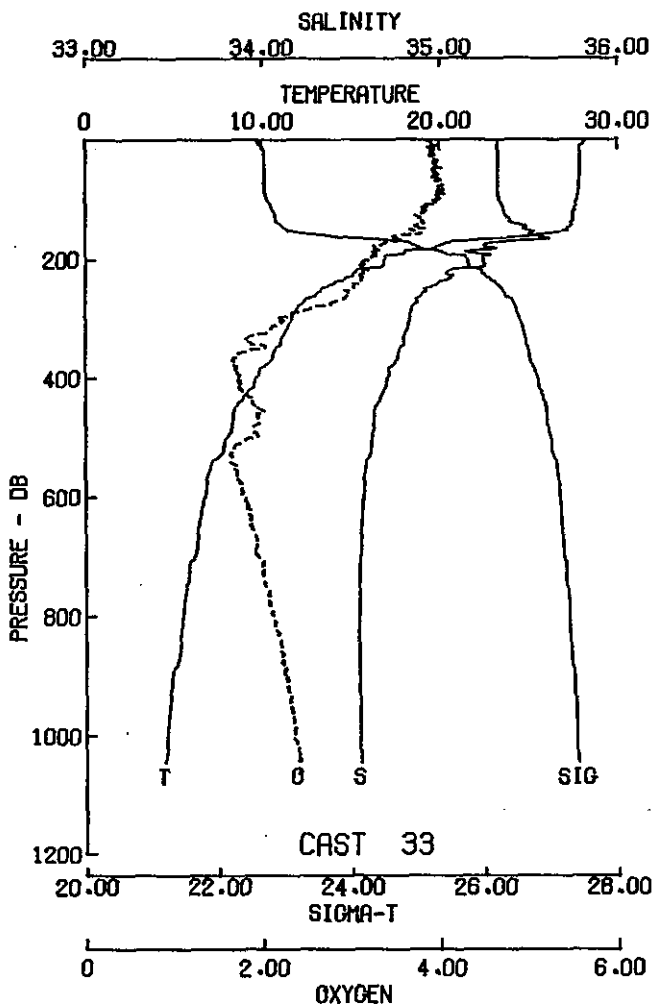
CAST EP2-80-0C-032 DATE 14 APR 80 TIME 1347 GMT
 LAT 0 01.5S LONG 167 28.9W WEATHER 1 SEA STATE 3
 BAROMETER 03 WIND DIR 100 T SPD 15 KT VISIBILITY 8
 CLOUD X AMOUNT 5 DRY 27.2 WET 25.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.810	35.245	3.72	22.659	.000
10	27.819	35.249	3.87	22.659	.052
20	27.823	35.252	3.97	22.660	.104
30	27.822	35.252	3.97	22.660	.156
40	27.826	35.251	4.05	22.658	.208
50	27.819	35.250	4.07	22.660	.260
60	27.804	35.249	4.08	22.664	.313
70	27.779	35.246	4.10	22.670	.365
80	27.672	35.217	4.05	22.683	.417
90	27.550	35.222	4.06	22.694	.469
100	27.408	35.179	4.01	22.740	.521
110	27.250	35.154	4.05	22.772	.572
120	26.343	35.130	3.94	22.884	.623
130	26.480	35.158	3.70	23.020	.673
140	26.533	35.263	3.49	23.083	.722
150	26.188	35.415	3.53	23.305	.769
160	22.011	35.529	3.49	24.634	.811
170	19.208	35.175	3.39	25.119	.842
180	18.254	35.230	3.35	25.402	.870
190	17.913	35.271	3.23	25.518	.896
200	16.677	35.078	3.24	25.667	.921
250	13.018	34.913	2.97	26.340	1.020
300	11.959	34.849	2.43	26.497	1.104
350	11.249	34.811	1.91	26.601	1.183
400	10.496	34.759	1.67	26.696	1.257
450	9.054	34.668	1.69	26.869	1.325
500	7.883	34.616	1.79	27.010	1.386
550	7.212	34.594	1.17	27.090	1.442
600	6.733	34.574	1.35	27.140	1.494
650	6.431	34.565	1.52	27.174	1.544
700	6.239	34.559	1.55	27.195	1.593
750	5.814	34.552	1.68	27.243	1.641
800	5.497	34.549	1.78	27.280	1.686
850	5.216	34.549	1.81	27.314	1.731
900	4.947	34.551	1.85	27.347	1.773
950	4.672	34.556	1.96	27.382	1.814
1000	4.548	34.556	2.01	27.396	1.854
1006	4.479	34.556	2.02	27.403	

CAST EP2-80-0C-033 DATE 15 APR 80 TIME 0244 GMT
LAT 00 00.6N LONG 170 00.6W

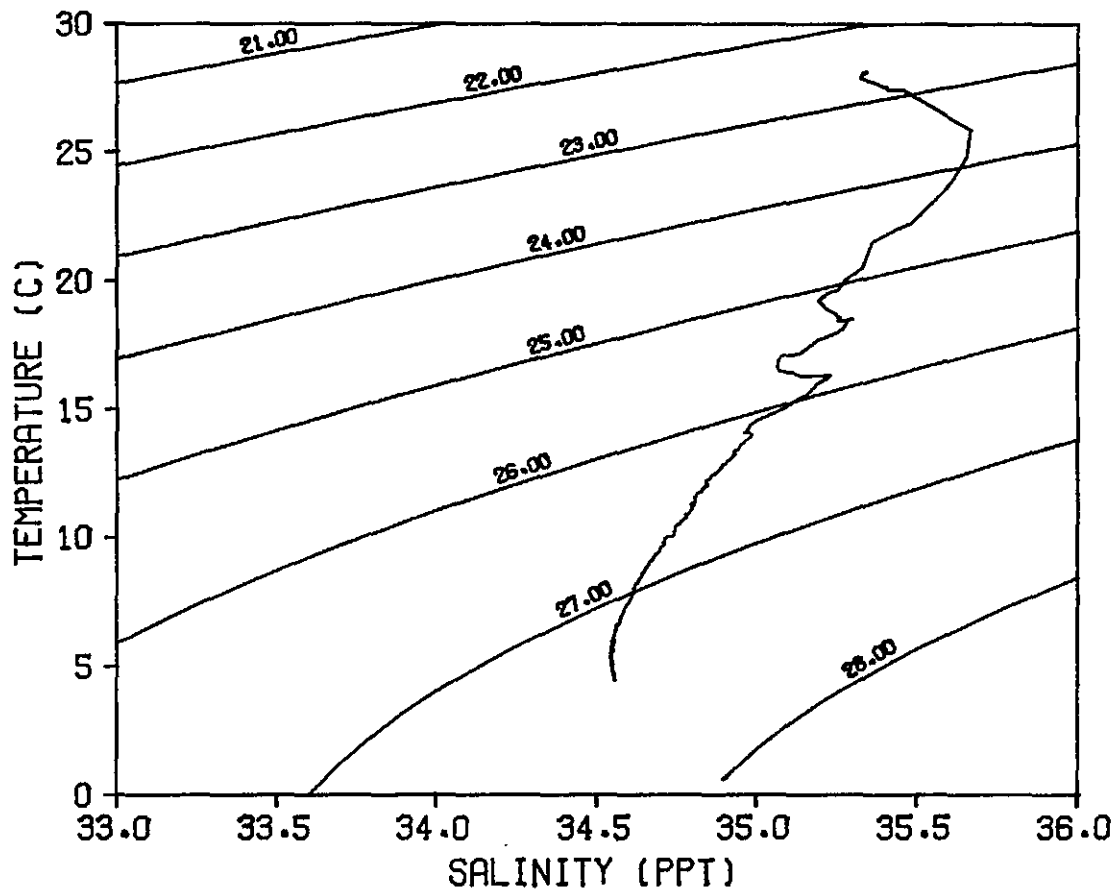


CAST EP2-80-DC-033 DATE 15 APR 80 TIME 0244 GMT
 LAT 00 00.6N LONG 170 00.6W WEATHER 1 SEA STATE 4
 BARMETER 01 WIND DIR 140 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 28.5 WET 25.0 DEPTH M

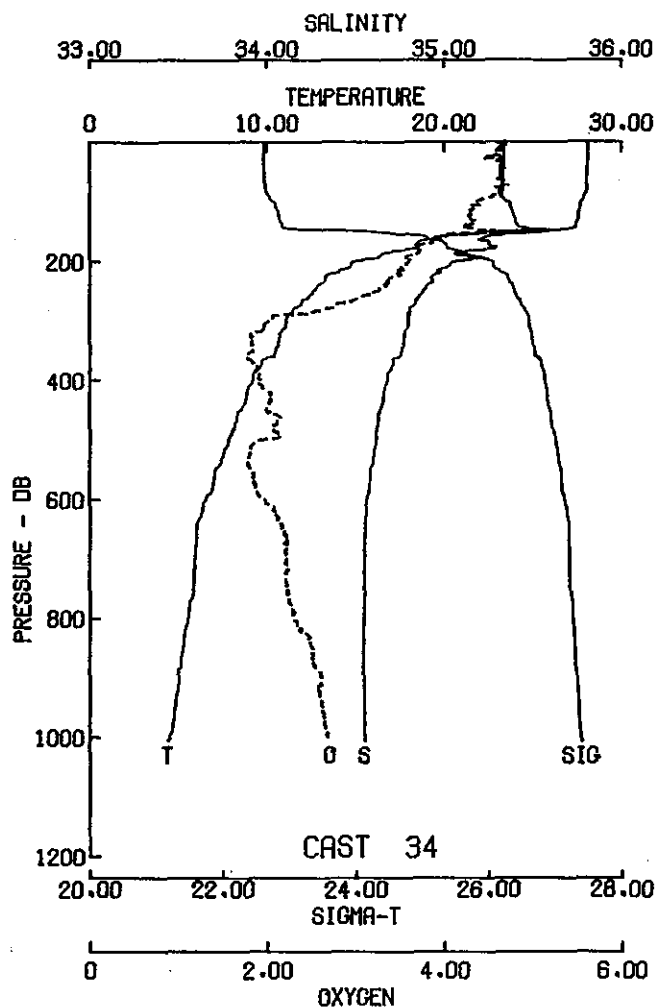


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.219	35.334	3.84	22.592	.000
2	28.189	35.333	3.86	22.601	
10	27.963	35.337	3.96	22.671	.052
20	27.890	35.338	3.93	22.696	.104
30	27.878	35.339	3.91	22.700	.156
40	27.871	35.339	3.96	22.702	.208
50	27.869	35.328	3.92	22.703	.259
60	27.864	35.328	3.91	22.704	.311
70	27.859	35.329	3.98	22.706	.363
80	27.853	35.329	4.00	22.708	.415
90	27.817	35.331	4.05	22.722	.467
100	27.760	35.337	4.00	22.745	.518
110	27.647	35.349	3.86	22.791	.570
120	27.530	35.360	3.82	22.836	.621
130	27.489	35.378	3.80	22.865	.671
140	27.348	35.411	3.84	22.934	.722
150	27.153	35.471	3.77	23.041	.771
160	25.474	35.520	3.62	23.607	.819
170	21.673	35.433	3.44	24.655	.857
180	19.800	35.270	3.27	25.037	.888
190	18.059	35.214	3.25	25.438	.916
200	16.881	35.243	3.19	25.746	.940
250	13.341	34.914	3.00	26.275	1.045
300	11.675	34.833	2.86	26.539	1.129
350	10.792	34.777	2.81	26.658	1.205
400	9.638	34.703	2.74	26.800	1.275
450	8.467	34.634	2.69	26.936	1.340
500	8.001	34.616	2.68	26.992	1.399
550	7.102	34.582	2.68	27.096	1.455
600	6.755	34.566	2.68	27.132	1.507
650	6.431	34.558	2.68	27.169	1.558
700	6.189	34.551	2.68	27.195	1.608
750	5.740	34.546	2.66	27.248	1.655
800	5.531	34.543	2.66	27.271	1.701
850	5.330	34.544	2.66	27.296	1.746
900	4.893	34.547	2.66	27.350	1.789
950	4.746	34.549	2.66	27.386	1.831
1000	4.624	34.550	2.66	27.383	1.871
1044	4.465	34.553	2.40	27.402	

CAST EP2-80-0C-034 DATE 15 APR 80 TIME 1705 GMT
LAT 00 00.3N LONG 172 30.1W

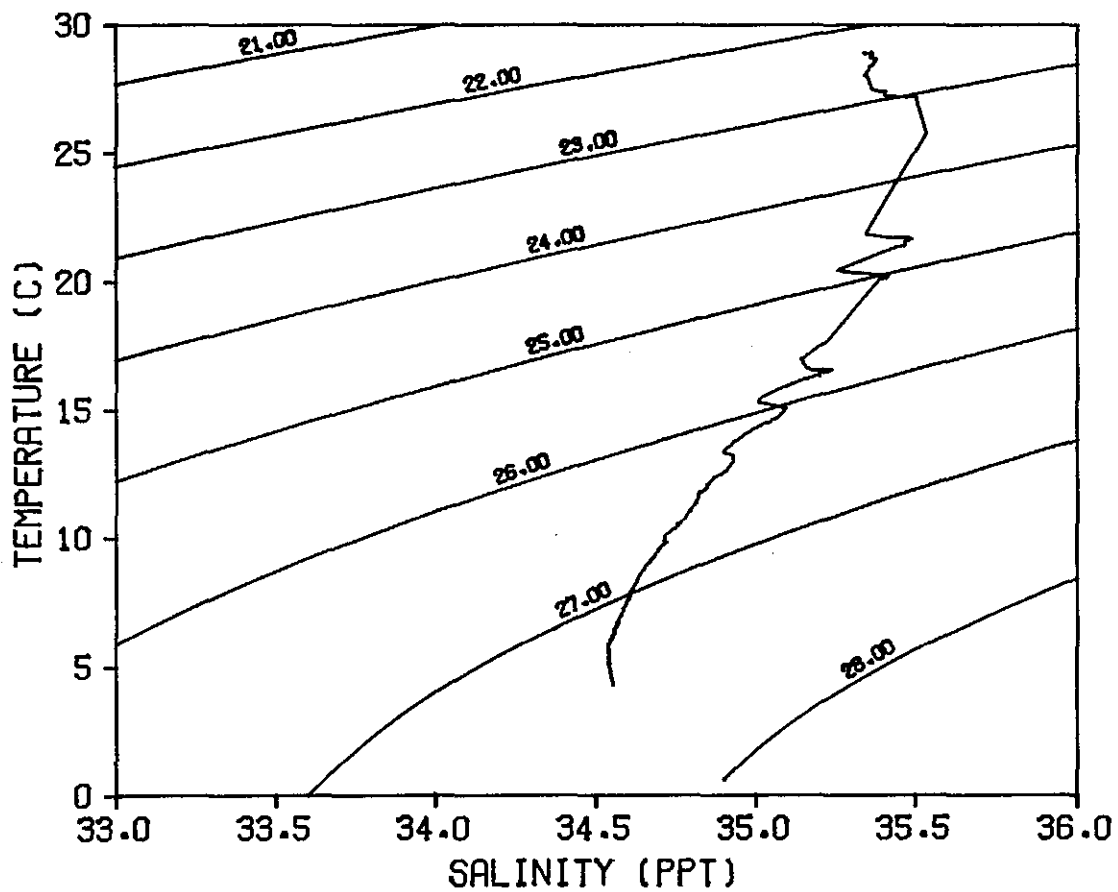


CAST EP2-80-0C-034 DATE 15 APR 80 TIME 1705 GMT
 LAT 00 00.3N LONG 172 30.1W WEATHER 1 SEA STATE 3
 BAROMETER 03 WIND DIR 120 T SPD 06 KT VISIBILITY 7
 CLOUD 8 AMOUNT 8 DRY 27.0 WET 24.0 DEPTH M

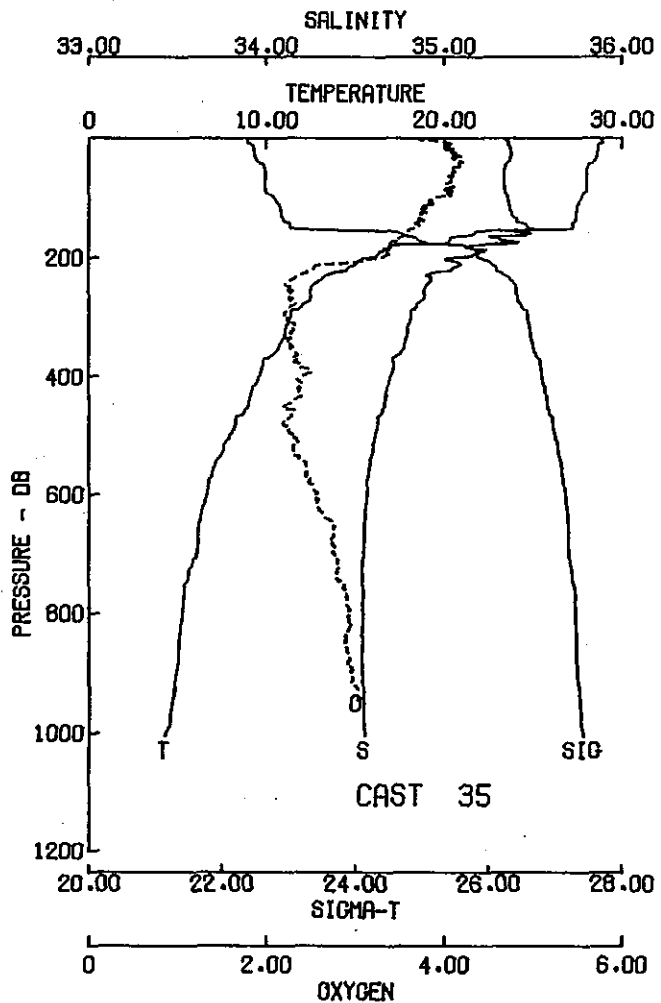


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.129	35.341	4.66	22.627	.000
10	28.134	35.340	4.69	22.625	.052
20	28.135	35.341	4.60	22.625	.105
30	28.139	35.341	4.64	22.624	.157
40	28.114	35.337	4.64	22.629	.210
50	28.092	35.335	4.68	22.635	.262
60	28.082	35.334	4.64	22.637	.314
70	28.074	35.334	4.71	22.640	.367
80	28.043	35.332	4.67	22.648	.419
90	27.907	35.320	4.54	22.684	.472
100	27.750	35.355	4.37	22.762	.524
110	27.666	35.376	4.32	22.804	.575
120	27.567	35.390	4.31	22.847	.626
130	27.551	35.404	4.33	22.863	.675
140	27.444	35.414	4.21	22.905	.727
150	23.837	35.604	4.57	24.165	.774
160	19.336	35.234	3.96	25.073	.807
170	18.586	35.261	3.85	25.342	.836
180	18.157	35.272	3.68	25.458	.862
190	16.462	35.084	3.66	25.722	.887
200	15.020	35.085	3.61	26.050	.909
250	12.524	34.883	3.25	26.395	1.001
300	11.111	34.798	3.01	26.616	1.081
350	10.504	34.760	2.84	26.695	1.155
400	9.217	34.677	1.93	26.850	1.222
450	8.542	34.640	1.99	26.928	1.285
500	7.839	34.615	1.95	27.016	1.343
550	7.088	34.583	1.84	27.099	1.399
600	6.593	34.565	1.97	27.152	1.451
650	6.036	34.553	2.15	27.216	1.500
700	5.942	34.552	2.23	27.237	1.547
750	5.861	34.550	2.22	27.236	1.595
800	5.552	34.545	2.31	27.270	1.641
850	5.274	34.545	2.52	27.304	1.685
900	5.017	34.545	2.61	27.334	1.729
950	4.801	34.548	2.63	27.361	1.771
1000	4.510	34.553	2.69	27.398	1.811
1006	4.436	34.555	2.73	27.407	

CAST EP2-80-0C-035 DATE 16 APR 80 TIME 0459 GMT
LAT 0 01.1S LONG 175 00.1W

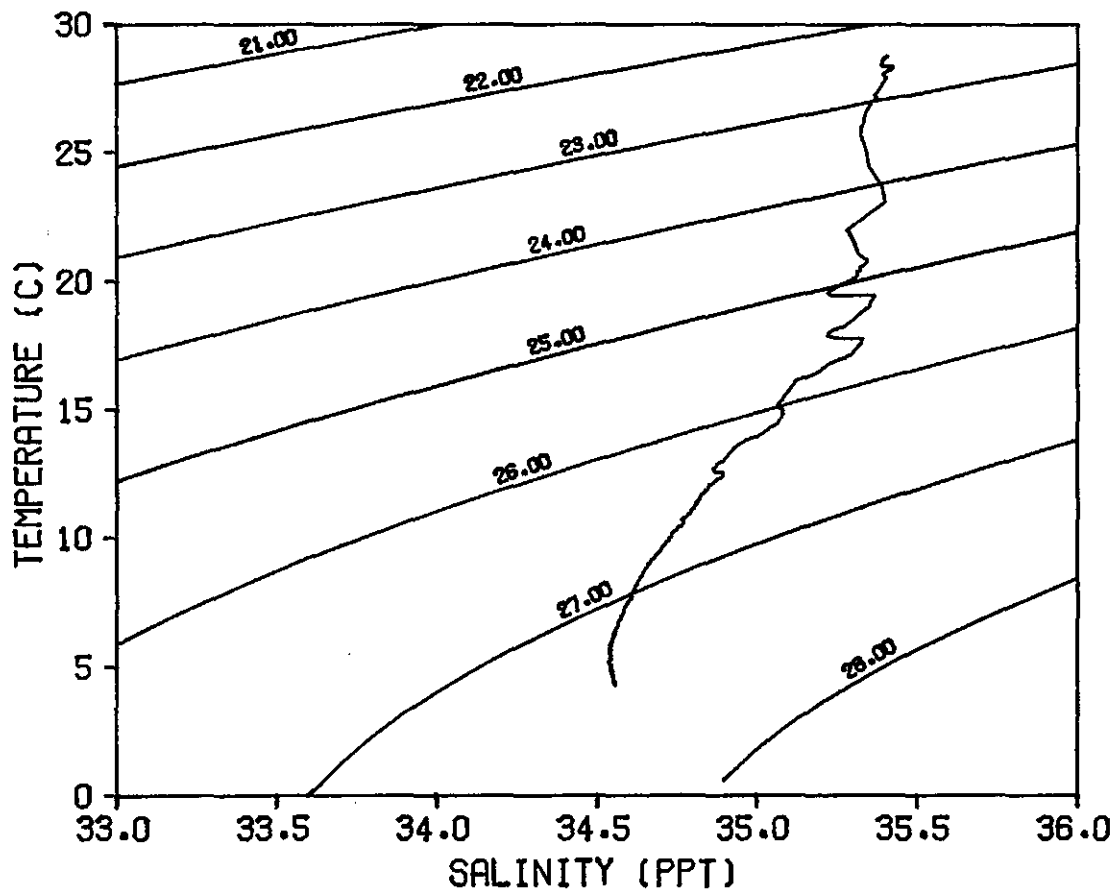


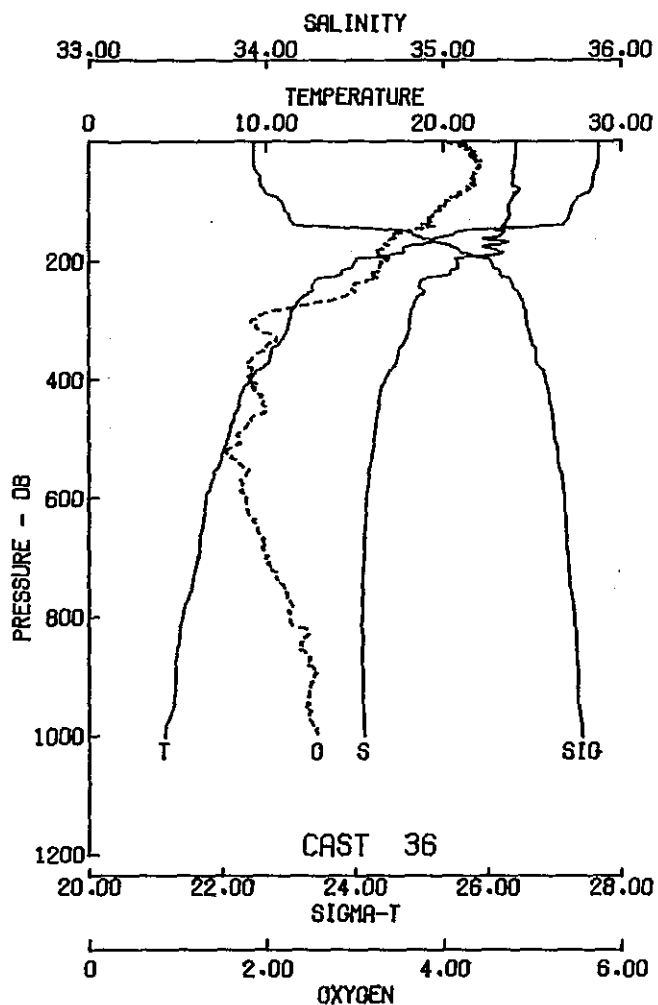
CAST EP2-80-0C-035 DATE 16 APR 80 TIME 0459 GMT
 LAT 0 01.15 LONG 175 00.1W WEATHER 1 SEA STATE 4
 BAROMETER 02 WIND DIR 110 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 7 DRY 28.2 WET 25.6 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.836	35.329	3.60	22.383	.000
2	28.879	35.341	3.76	22.378	
10	28.758	35.361	4.08	22.434	.055
20	28.543	35.376	4.04	22.484	.108
30	28.609	35.378	4.15	22.496	.162
40	28.427	35.366	4.19	22.548	.216
50	28.088	35.346	4.11	22.644	.268
60	28.028	35.339	4.11	22.639	.321
70	28.028	35.340	4.07	22.639	.373
80	28.030	35.341	4.09	22.659	.425
90	28.019	35.346	4.11	22.667	.478
100	27.700	35.357	3.90	22.779	.529
110	27.523	35.361	3.81	22.839	.580
120	27.425	35.372	3.76	22.879	.631
130	27.411	35.384	3.75	22.893	.681
140	27.256	35.403	3.79	22.957	.731
150	27.217	35.469	3.83	22.920	.781
160	21.719	35.471	3.43	22.467	.821
170	20.322	35.310	3.27	22.429	.853
180	17.047	35.151	3.42	22.636	.883
190	16.422	35.200	3.26	22.820	.906
200	15.791	35.067	3.16	22.864	.928
250	12.542	34.895	2.86	22.420	.023
300	11.346	34.811	1.90	22.583	1.104
350	10.709	34.774	1.68	22.670	1.179
400	9.608	34.702	1.70	22.605	1.249
450	8.468	34.660	1.71	22.677	1.313
500	7.941	34.610	1.75	22.996	1.374
550	7.131	34.583	1.64	27.093	1.429
600	6.637	34.564	1.69	27.146	1.481
650	6.191	34.548	1.83	27.192	1.531
700	6.098	34.547	1.98	27.203	1.580
750	5.504	34.539	1.15	27.771	1.650
800	5.266	34.542	1.18	27.703	1.671
850	5.094	34.545	2.30	27.324	1.714
900	4.958	34.533	2.35	27.339	1.757
950	4.685	34.547	2.33	27.374	1.798
1000	4.311	34.554	2.39	27.420	1.838
1004	4.292	34.554	2.41	27.422	

CAST EP2-80-0C-036 DATE 16 APR 80 TIME 1627 GMT
LAT 00 00.8N LONG 177 30.2W

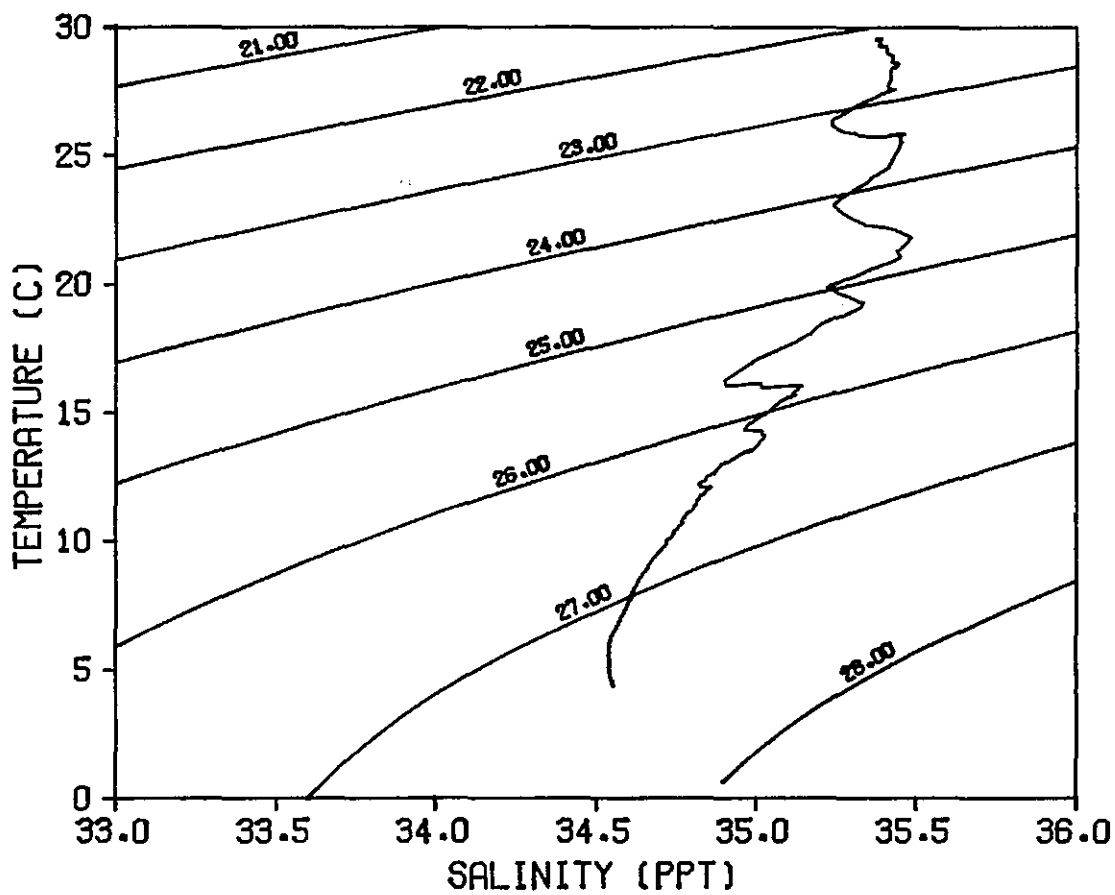




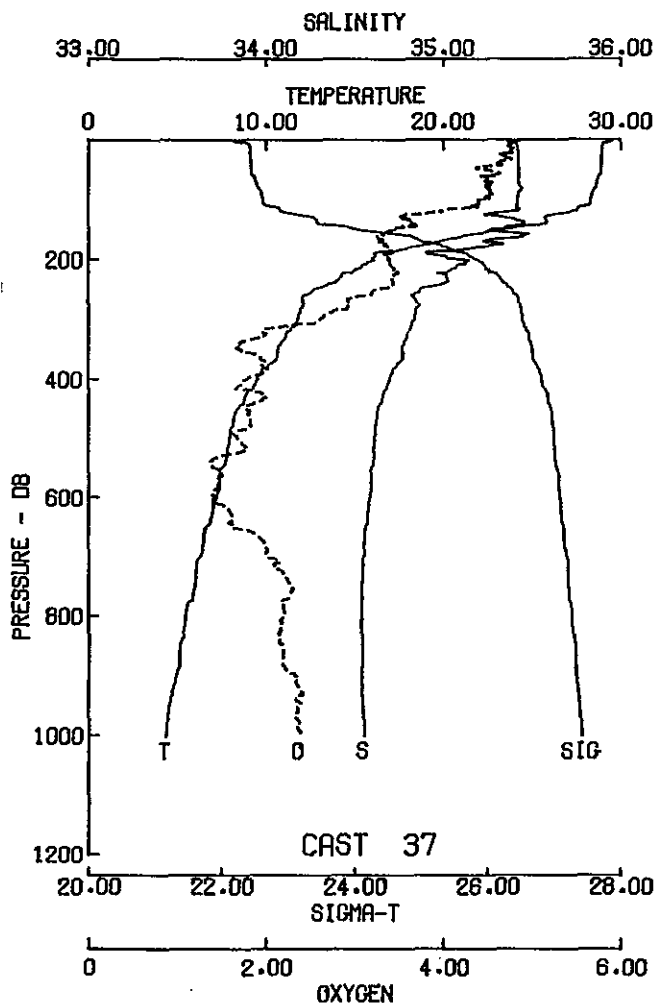
CAST EP2-80-0C-036 DATE 16 APR 80 TIME 1627 GMT
 LAT 00 00.8N LONG 177 30.2W WEATHER 1 SEA STATE 4
 BAROMETER 03 WIND DIR 140 T SPD 10 KT VISIBILITY 7
 CLOUD X AMJUNT 9 DRY 27.3 WET 24.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.733	35.407	4.10	22.476	.000
1	28.734	35.407	4.21	22.476	
10	28.744	35.408	4.31	22.473	.054
20	28.744	35.408	4.32	22.474	.108
30	28.733	35.406	4.36	22.476	.161
40	28.695	35.403	4.41	22.486	.215
50	28.568	35.394	4.37	22.522	.269
60	28.423	35.391	4.37	22.567	.322
70	28.391	35.391	4.31	22.578	.375
80	28.305	35.428	4.30	22.634	.428
90	27.833	35.404	4.20	22.771	.481
100	27.413	35.381	4.03	22.890	.531
110	27.240	35.369	3.91	22.937	.581
120	27.117	35.373	3.89	22.979	.631
130	26.972	35.363	3.79	23.018	.680
140	26.810	35.334	3.84	23.206	.729
150	26.818	35.345	3.64	24.823	.757
160	19.890	35.266	3.45	25.010	.798
170	19.191	35.356	3.35	25.261	.827
180	17.770	35.294	3.28	25.570	.853
190	17.343	35.279	3.28	25.734	.878
200	15.048	35.278	3.28	26.039	.899
250	12.551	35.291	3.26	26.415	.922
300	11.313	35.281	3.26	26.589	1.071
350	10.315	35.275	3.26	26.721	1.145
400	9.113	35.272	3.26	26.862	1.213
450	8.380	35.263	3.26	26.946	1.275
500	7.873	35.261	3.26	27.009	1.333
550	7.287	35.258	3.26	27.072	1.389
600	6.507	35.269	3.26	27.150	1.441
650	5.385	35.298	3.26	27.174	1.491
700	5.133	35.248	3.26	27.200	1.540
750	4.811	35.240	3.26	27.234	1.588
800	4.283	35.244	3.26	27.302	1.633
850	4.017	35.243	3.26	27.332	1.676
900	4.862	35.243	3.26	27.350	1.718
950	4.762	35.245	3.26	27.363	1.760
1000	4.293	35.255	3.26	27.423	1.799
1001	4.291	35.255	3.26	27.423	

CAST EP2-80-0C-037 DATE 17 APR 80 TIME 0445 GMT
LAT 0 00.5S LONG 180 02.3W



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CAST EP2-80-DC-037 DATE 17 APR 80 TIME 0445 GMT
 LAT 0 00.55 LONG 180 02.3W WEATHER 1 SEA STATE 4
 BAROMETER 04 WIND DIR 120 T SPD 04 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 29.4 WET 25.6 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	29.825	35.367	4.86	22.079	.000
2	29.542	35.378	4.86	22.183	
10	28.352	35.414	4.75	22.409	.056
20	28.196	35.422	4.77	22.427	.110
30	28.105	35.424	4.71	22.432	.164
40	28.889	35.424	4.62	22.437	.219
50	28.872	35.425	4.43	22.444	.273
60	28.800	35.424	4.52	22.467	.327
70	28.661	35.424	4.46	22.514	.381
80	28.584	35.443	4.49	22.553	.434
90	28.394	35.425	4.53	22.602	.488
100	28.315	35.421	4.44	22.626	.540
110	28.202	35.420	4.36	22.662	.593
120	27.434	35.397	3.96	22.895	.644
130	25.742	35.350	3.53	23.396	.692
140	25.749	35.446	3.65	23.466	.737
150	23.515	35.289	3.46	24.021	.779
160	21.928	35.441	3.30	24.770	.815
170	19.922	35.204	3.38	25.976	.846
180	18.442	35.204	3.38	25.335	.875
190	16.141	35.902	3.39	25.657	.900
200	16.036	35.079	3.37	25.817	.924
250	12.757	35.875	3.26	26.362	1.023
300	11.780	35.835	3.61	26.520	1.105
350	10.703	35.768	1.70	26.667	1.181
400	8.568	35.699	1.80	26.809	1.251
450	8.430	35.631	1.77	26.939	1.315
500	7.969	35.612	1.68	26.994	1.374
550	7.507	35.599	1.40	27.037	1.431
600	7.218	35.586	1.41	27.083	1.486
650	6.703	35.564	1.62	27.136	1.539
700	6.332	35.551	2.03	27.176	1.590
750	6.009	35.539	2.29	27.208	1.639
800	5.488	35.538	2.21	27.227	1.686
850	4.937	35.542	2.19	27.231	1.730
900	4.496	35.539	2.32	27.336	1.774
950	4.357	35.547	2.39	27.388	1.815
1000	4.357	35.553	2.38	27.414	1.854
1001	4.357	34.553	2.38	27.414	

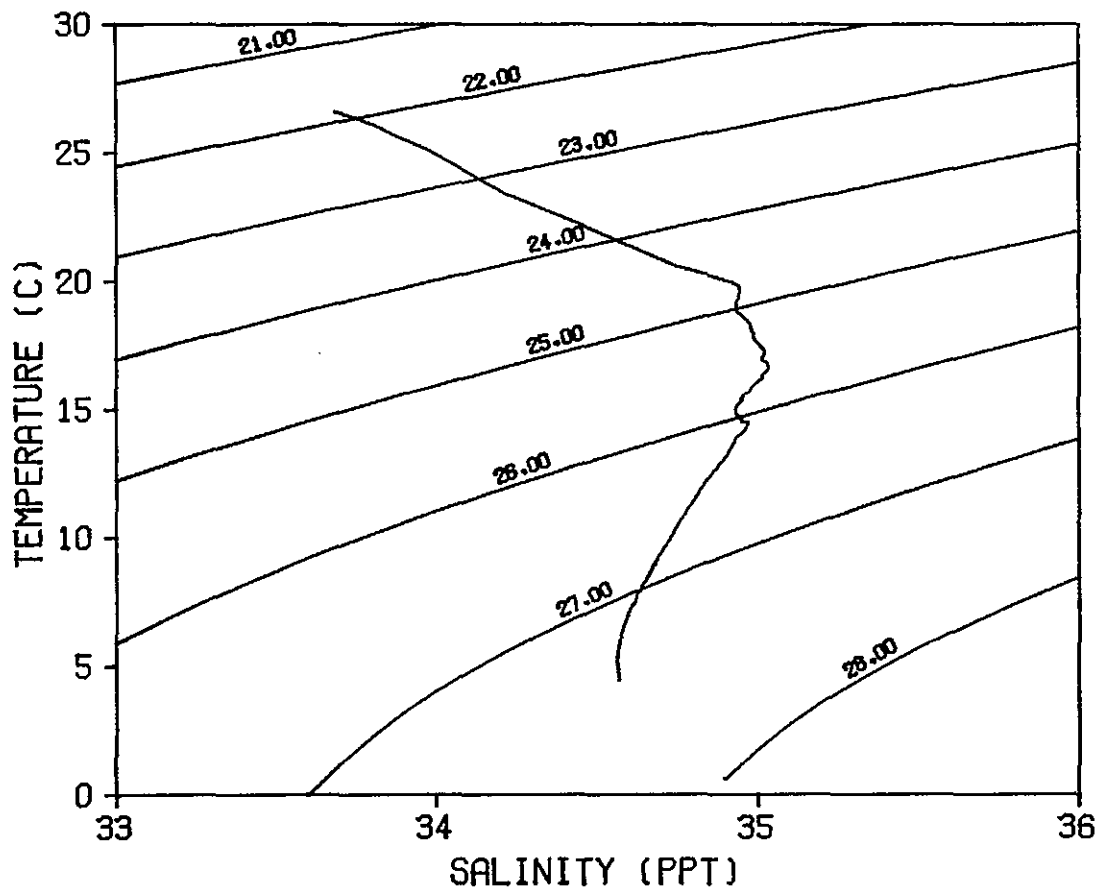


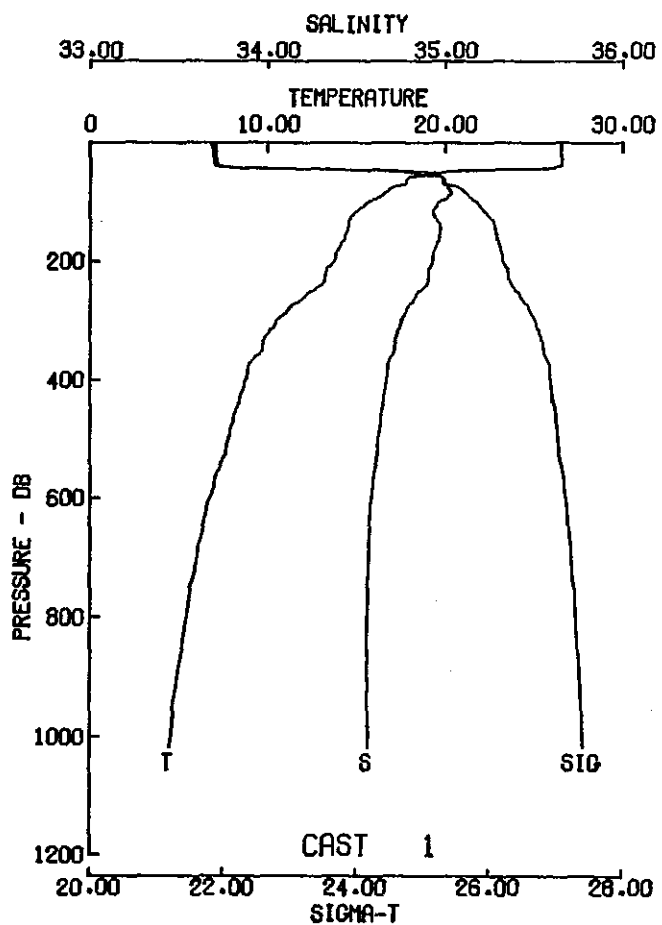
EP3-80-RS

28 July - 21 August 1980

NBIS CTD Data Summary

CAST EP3-80-RS-001 DATE 30 JUL 80 TIME 1454 GMT
LAT 02 59.4N LONG 084 58.6W

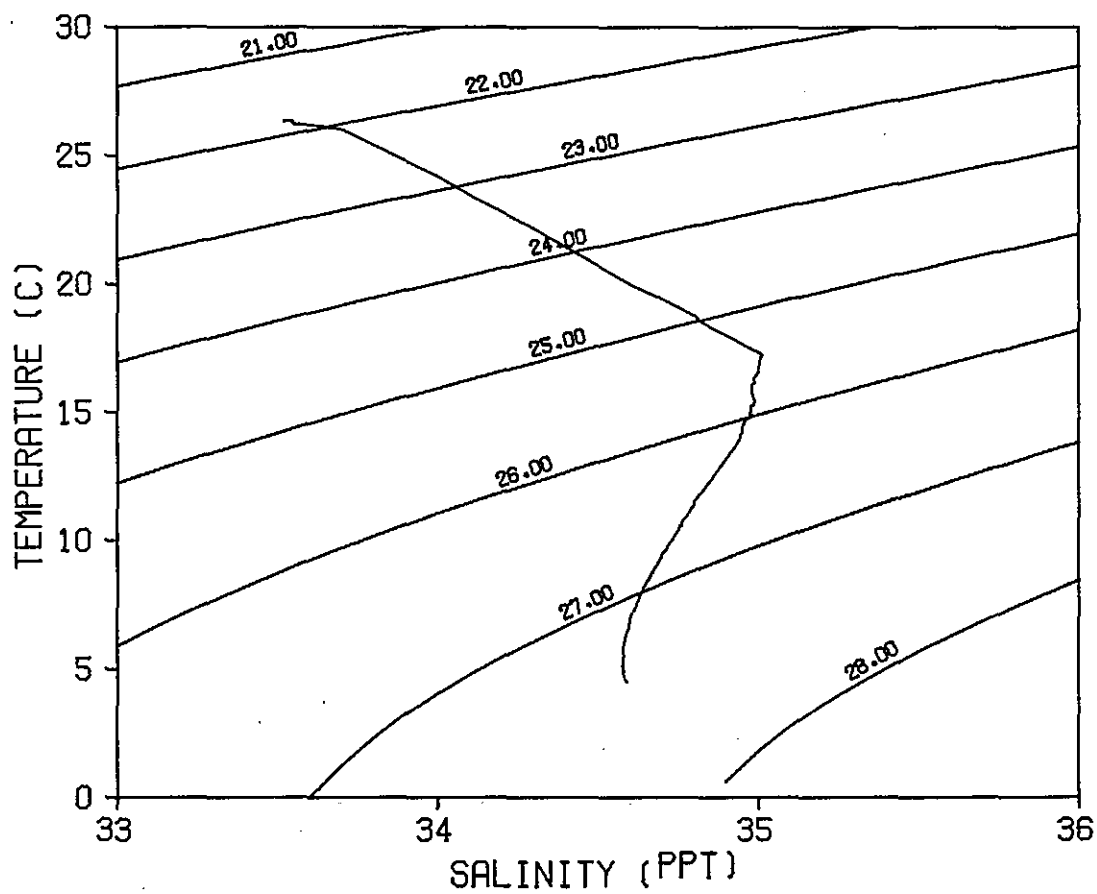




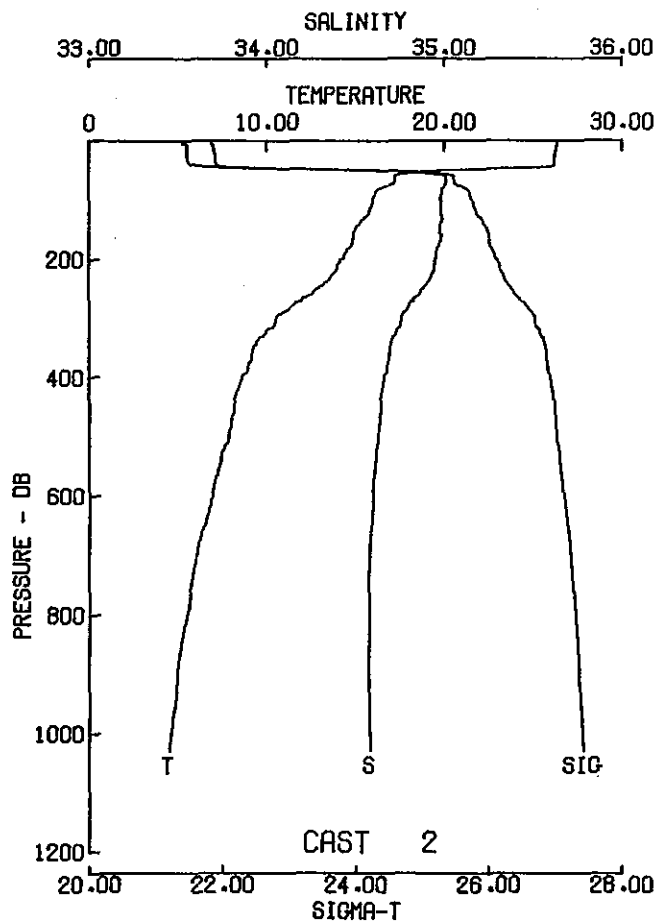
CAST EP3-80-RS-001 DATE 30 JUL 80 TIME 1454 GMT
 LAT 02 59.4N LONG 084 58.6W WEATHER 2 SEA STATE 3
 BARMETER 10 WIND DIR 180 T SPD 12 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 24.1 WET 22.5 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	26.549	33.678	21.885	0.000
4.	26.556	33.685	21.888	
10.	26.551	33.690	21.894	.059
20.	26.553	33.692	21.895	.119
30.	26.547	33.692	21.896	.178
40.	26.510	33.706	21.919	.238
50.	19.944	34.920	24.733	.284
60.	17.890	34.986	25.305	.313
70.	17.735	34.989	25.345	.340
80.	16.802	35.029	25.600	.365
90.	16.422	35.021	25.683	.389
100.	15.695	35.970	26.811	.412
110.	15.303	35.948	26.882	.434
120.	14.869	35.932	26.965	.455
130.	14.575	35.949	26.042	.476
140.	14.527	34.968	26.068	.495
150.	14.424	34.970	26.091	.515
160.	14.316	34.966	26.111	.535
170.	14.127	34.954	26.142	.554
180.	13.966	34.939	26.164	.574
190.	13.804	34.928	26.190	.593
200.	13.722	34.927	26.206	.611
250.	12.365	34.849	26.419	.701
300.	10.477	34.752	26.694	.779
350.	9.645	34.711	26.805	.847
400.	8.740	34.670	26.920	.910
450.	8.186	34.643	26.985	.970
500.	7.777	34.623	27.031	1.027
550.	7.268	34.603	27.089	1.082
600.	6.738	34.588	27.151	1.134
650.	6.366	34.576	27.191	1.184
700.	6.041	34.572	27.230	1.231
750.	5.634	34.566	27.277	1.278
800.	5.446	34.563	27.298	1.322
850.	5.221	34.563	27.324	1.366
900.	4.924	34.563	27.359	1.408
950.	4.693	34.566	27.387	1.449
1000.	4.568	34.568	27.404	1.488
1018.	4.485	34.569	27.413	

CAST EP3-80-RS-002 DATE 30 JUL 80 TIME 2012 GMT
LAT 02 30.3N LONG 085 01.2W



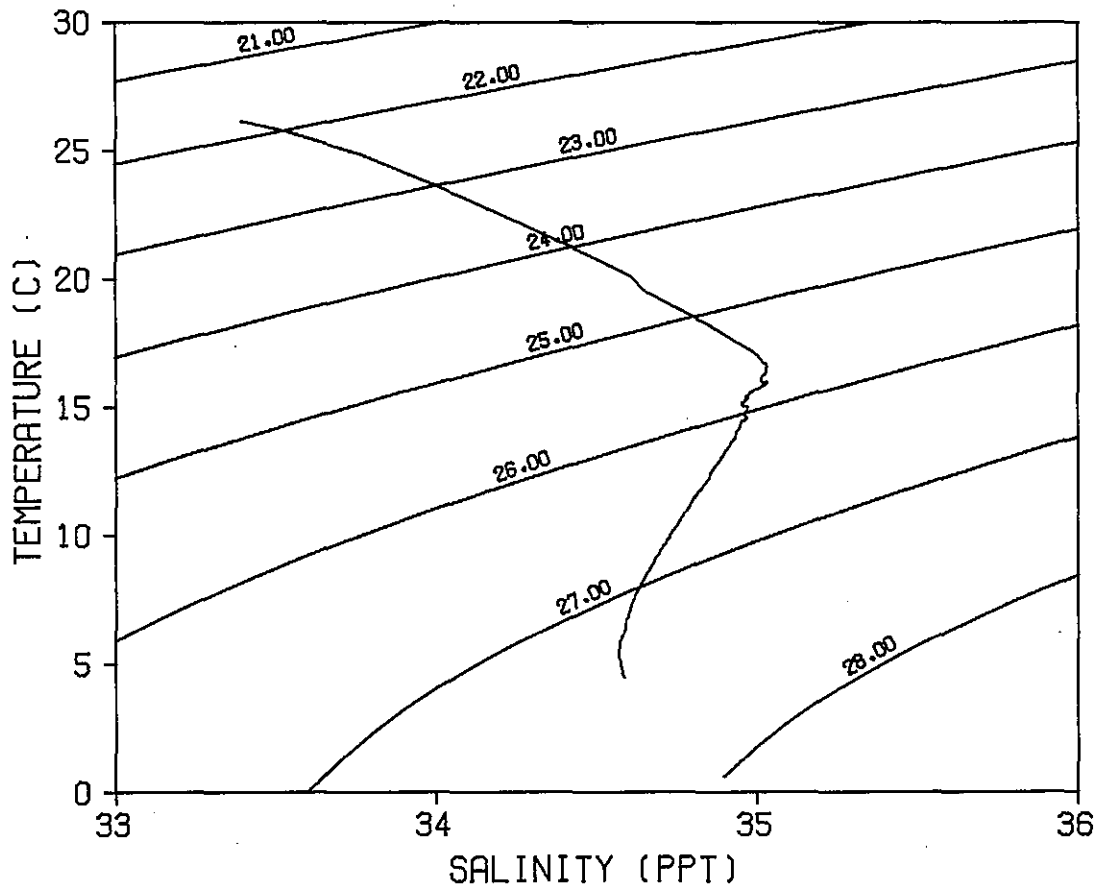
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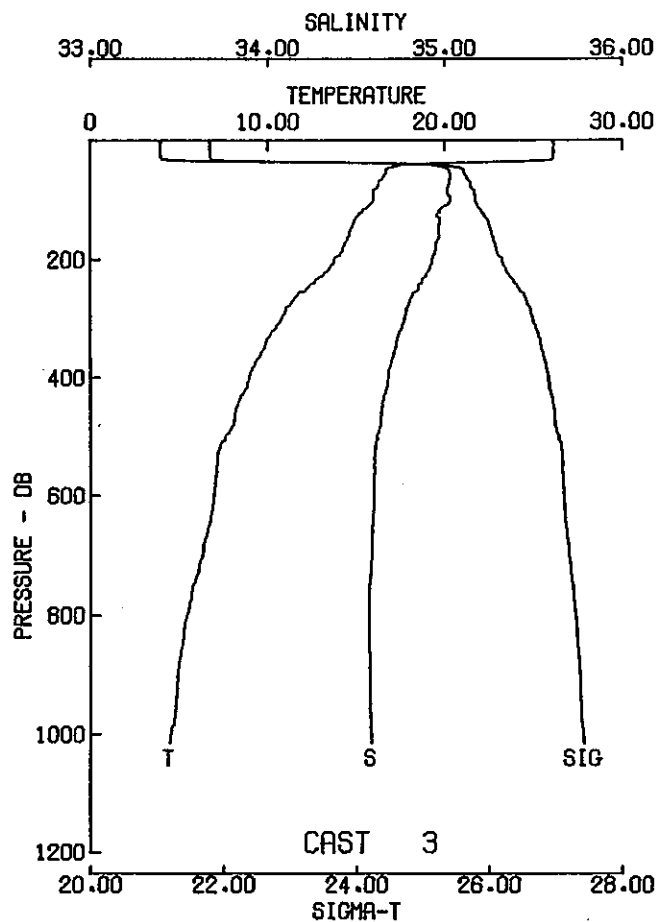


CAST EP3-80-RS-002 DATE 30 JUL 80 TIME 2012 GMT
 LAT 02 30.3N LONG 085 01.2W WEATHER 1 SEA STATE 1
 BAROMETER 10 WIND DIR 710 T SPD 12 KT VISIBILITY 3
 CLOUD X AMOUNT 9 DRY 24.1 WET 21.4 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	26.347	33.470	21.792	0.000
5.	26.346	33.476	21.834	
10.	26.318	33.450	21.861	.060
20.	26.231	33.450	21.888	.120
30.	26.215	33.452	21.895	.179
40.	26.200	33.471	21.914	.238
50.	19.948	34.599	24.488	.290
60.	17.245	35.011	25.481	.318
70.	17.198	35.012	25.493	.344
80.	16.452	34.995	25.556	.368
90.	16.144	34.990	25.574	.392
100.	15.986	34.980	25.593	.414
110.	15.895	34.980	25.610	.437
120.	15.725	34.978	25.610	.460
130.	15.460	34.987	25.677	.482
140.	15.223	34.975	25.692	.503
150.	14.977	34.974	25.697	.524
160.	14.873	34.986	25.600	.545
170.	14.823	34.980	25.601	.566
180.	14.726	34.965	25.602	.586
190.	14.401	34.951	25.608	.606
200.	14.227	34.951	25.611	.626
250.	12.840	34.879	25.634	.720
300.	10.516	34.756	25.690	.799
350.	9.259	34.694	25.656	.867
400.	8.637	34.663	25.693	.929
450.	8.161	34.641	25.698	.988
500.	7.854	34.629	25.692	1.045
550.	7.368	34.613	25.708	1.100
600.	6.911	34.597	25.713	1.153
650.	6.509	34.592	25.718	1.203
700.	6.055	34.581	25.723	1.251
750.	5.737	34.575	25.727	1.297
800.	5.480	34.578	25.730	1.342
850.	5.155	34.575	25.734	1.385
900.	4.965	34.575	25.736	1.426
950.	4.828	34.575	25.738	1.467
1000.	4.599	34.579	25.740	1.507
1028.	4.506	34.583	25.742	

CAST EP3-80-RS-003 DATE 30 JUL 80 TIME 0122 GMT
LAT 02 02.8N LONG 085 00.6W

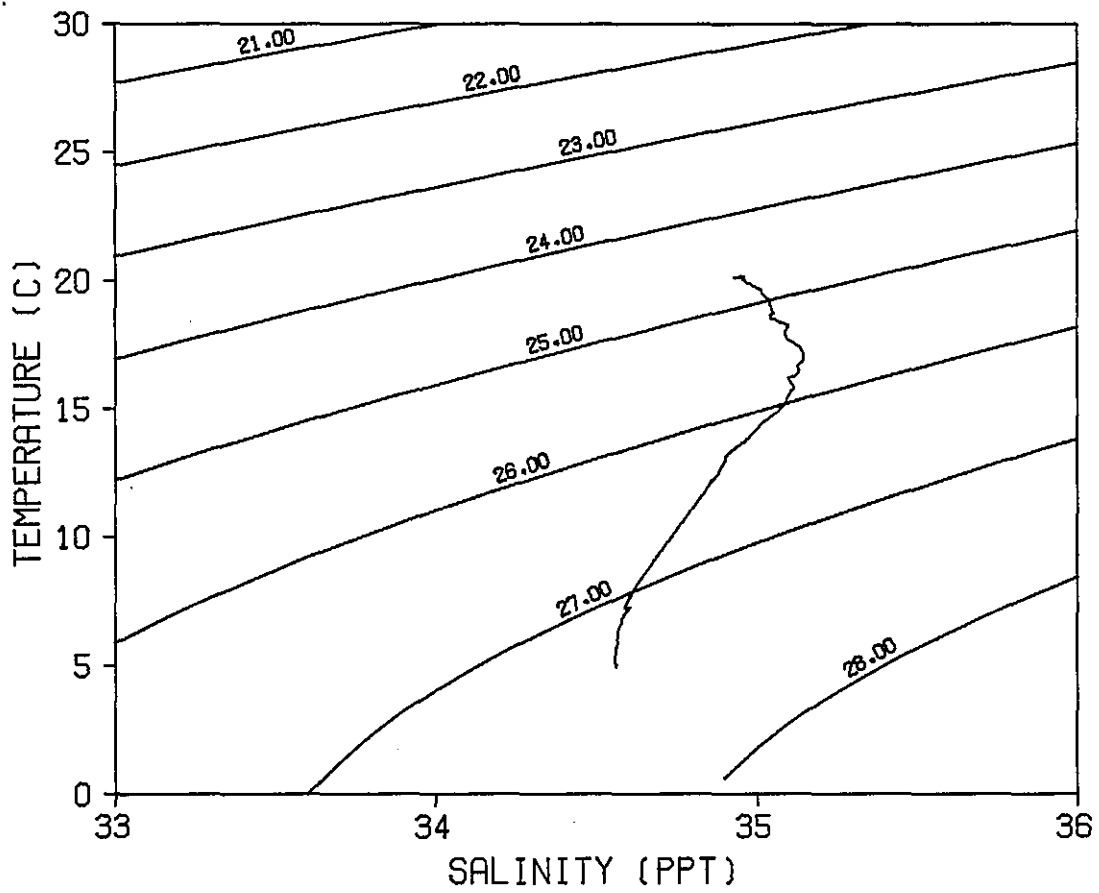




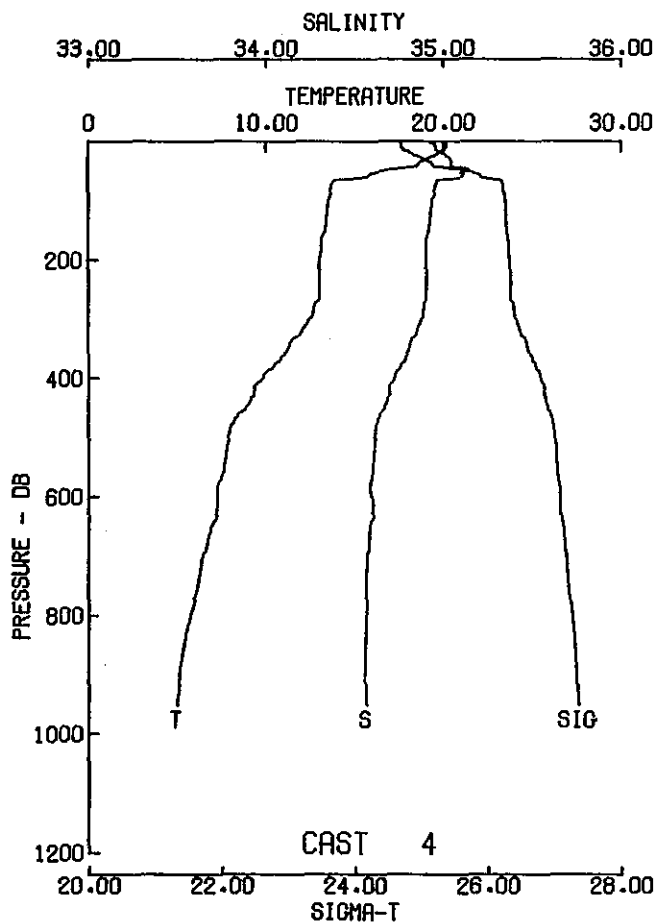
CAST EP3-80-RS-003 DATE 30 JUL 80 TIME 0122 GMT
 LAT 02 02.8N LONG 085 00.6W WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 220 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 23.0 WET 21.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	26.134	33.395	21.802	0.000
4.	26.135	33.395	21.802	
10.	26.138	33.395	21.801	.060
20.	26.144	33.395	21.799	.121
30.	26.126	33.401	21.809	.181
40.	19.499	34.653	24.646	.233
50.	16.717	35.022	25.615	.259
60.	16.596	35.031	25.650	.283
70.	16.327	35.025	25.708	.306
80.	16.199	35.018	25.733	.330
90.	15.977	35.017	25.783	.352
100.	15.980	35.031	25.793	.375
110.	15.773	35.011	25.825	.397
120.	15.370	34.967	25.882	.419
130.	15.041	34.965	25.952	.440
140.	14.852	34.970	25.998	.461
150.	14.706	34.963	26.024	.481
160.	14.619	34.968	26.047	.502
170.	14.458	34.959	26.072	.522
180.	14.292	34.948	26.103	.542
190.	14.136	34.943	26.132	.561
200.	13.771	34.929	26.197	.580
250.	12.210	34.850	26.450	.670
300.	10.785	34.773	26.656	.746
350.	9.829	34.723	26.784	.816
400.	8.979	34.682	26.892	.881
450.	8.290	34.648	26.973	.941
500.	7.624	34.620	27.051	.999
550.	7.144	34.605	27.108	1.052
600.	6.974	34.602	27.129	1.104
650.	6.717	34.594	27.158	1.156
700.	6.338	34.589	27.205	1.205
750.	5.785	34.574	27.264	1.253
800.	5.432	34.571	27.305	1.297
850.	5.194	34.572	27.335	1.338
900.	4.925	34.576	27.369	1.374
950.	4.811	34.579	27.385	1.408
1000.	4.538	34.584	27.419	1.442
1015.	4.486	34.586	27.427	1.462

CAST EP3-80-RS-004 DATE 02 AUG 80 TIME 2019 GMT
LAT 1 59.8S LONG 094 59.7W



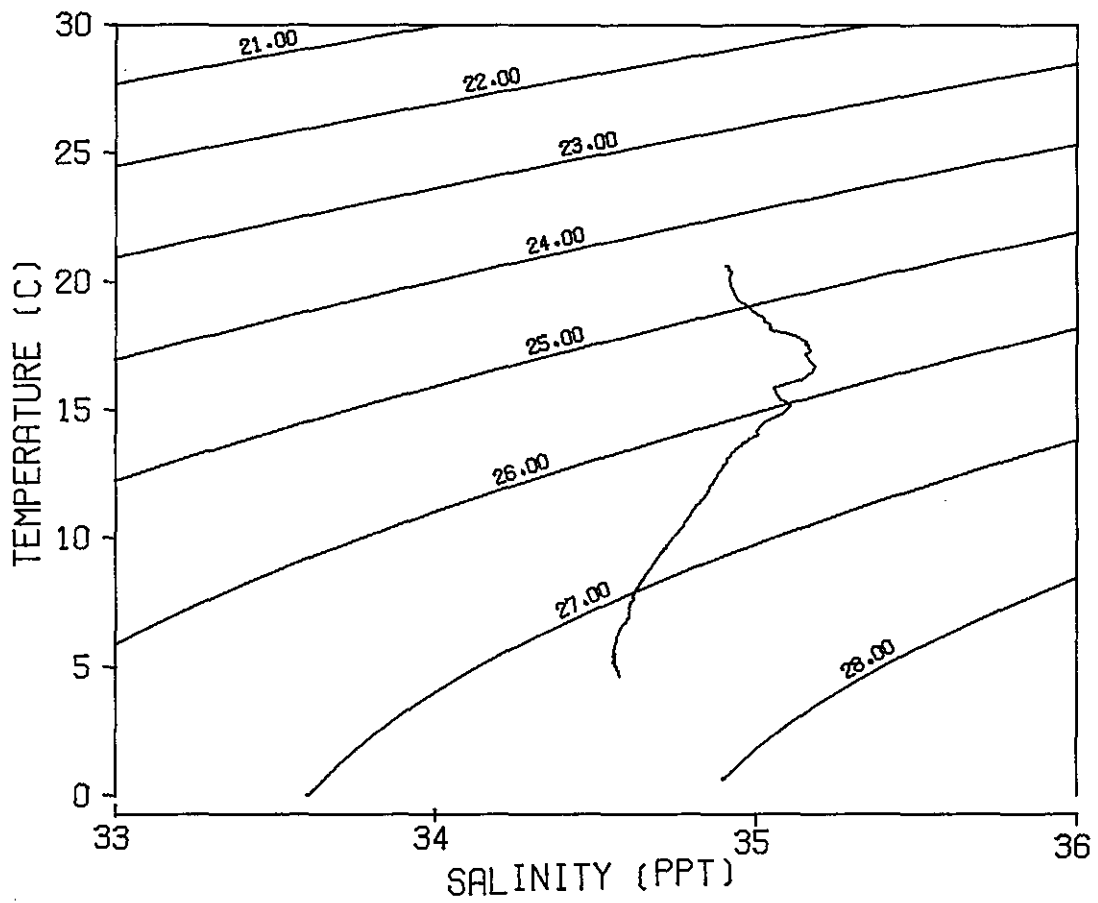
151

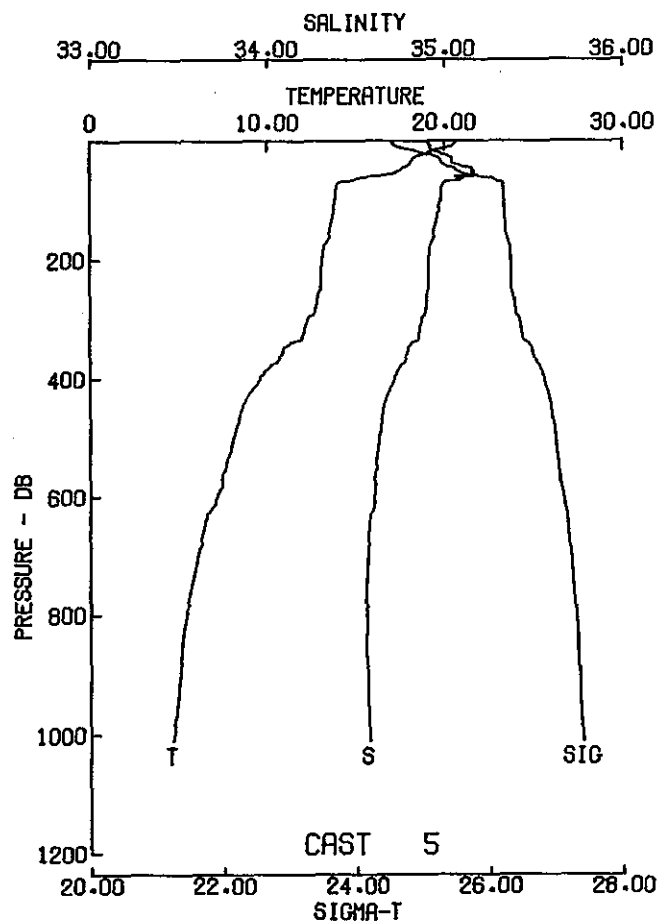


CAST EP3-80-RS-004 DATE 02 AUG 80 TIME 2019 GMT
 LAT 1 59.8S LONG 094 59.7W WEATHER 1 SEA STATE 2
 BAROMETER 14 WIND DIR 160 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.9 WET 18.8 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	20.106	34.926	24.695	0.000
3.	20.133	34.931	24.691	
10.	20.162	34.957	24.704	.033
20.	19.700	35.006	24.862	.064
30.	19.096	35.036	25.041	.095
40.	18.578	35.046	25.180	.123
50.	16.650	35.127	25.711	.149
60.	15.671	35.106	25.921	.171
70.	15.754	34.963	26.228	.190
80.	15.652	34.954	26.242	.208
90.	15.598	34.948	26.248	.226
100.	15.475	34.932	26.261	.244
110.	15.440	34.931	26.267	.262
120.	15.401	34.927	26.273	.280
130.	15.396	34.926	26.273	.298
140.	15.356	34.921	26.277	.316
150.	15.311	34.917	26.283	.333
160.	15.183	34.908	26.302	.351
170.	15.111	34.903	26.313	.369
180.	15.101	34.903	26.315	.387
190.	13.077	34.905	26.321	.404
200.	13.024	34.903	26.331	.422
250.	12.975	34.903	26.340	.510
300.	12.447	34.878	26.426	.596
350.	11.241	34.808	26.600	.677
400.	9.804	34.724	26.789	.749
450.	8.857	34.668	26.900	.813
500.	7.880	34.613	27.008	.872
550.	7.618	34.601	27.037	.929
600.	7.250	34.596	27.086	.984
650.	6.880	34.586	27.130	1.038
700.	6.422	34.569	27.178	1.089
750.	6.156	34.565	27.210	1.138
800.	5.711	34.563	27.265	1.185
850.	5.364	34.558	27.303	1.230
900.	5.124	34.556	27.330	1.274
950.	4.953	34.562	27.355	1.316
991.	4.977	34.565	27.355	

CAST EP3-80-RS-005 DATE 03 AUG 80 TIME 0137 GMT
LAT 1 29.8S LONG 094 59.6W

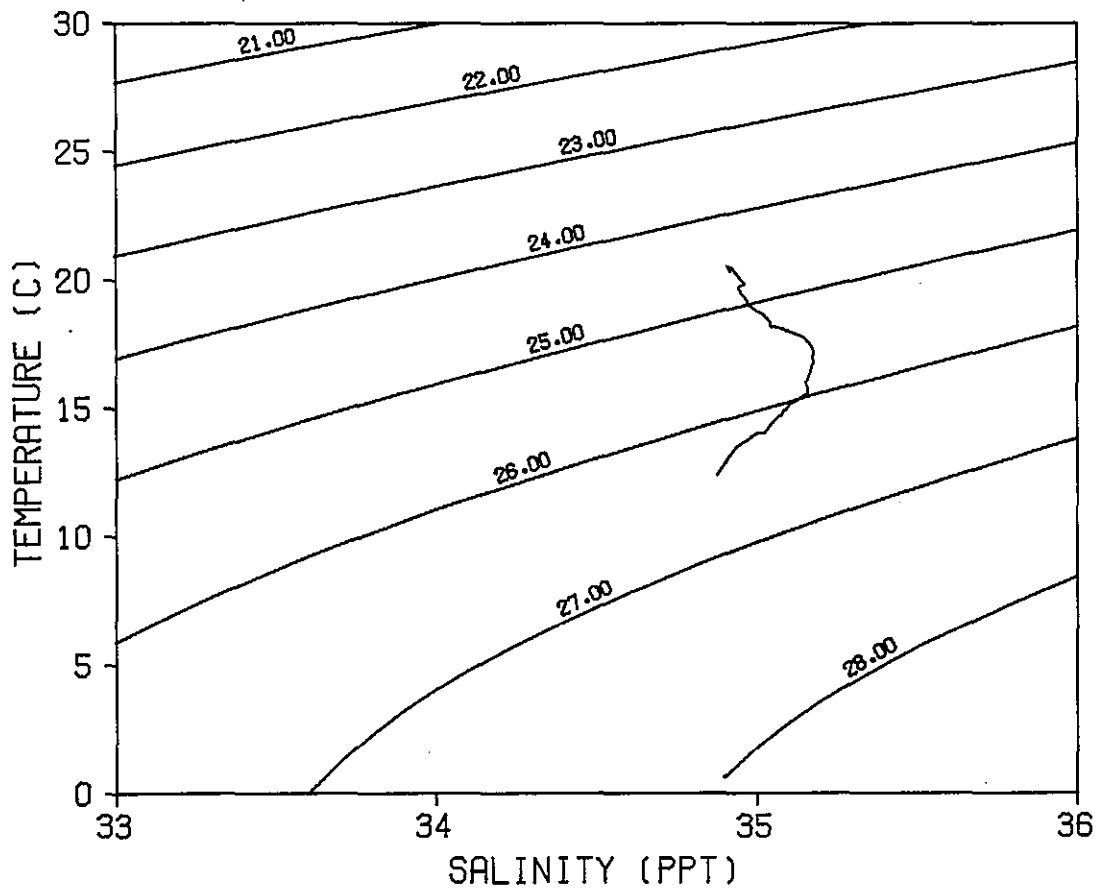




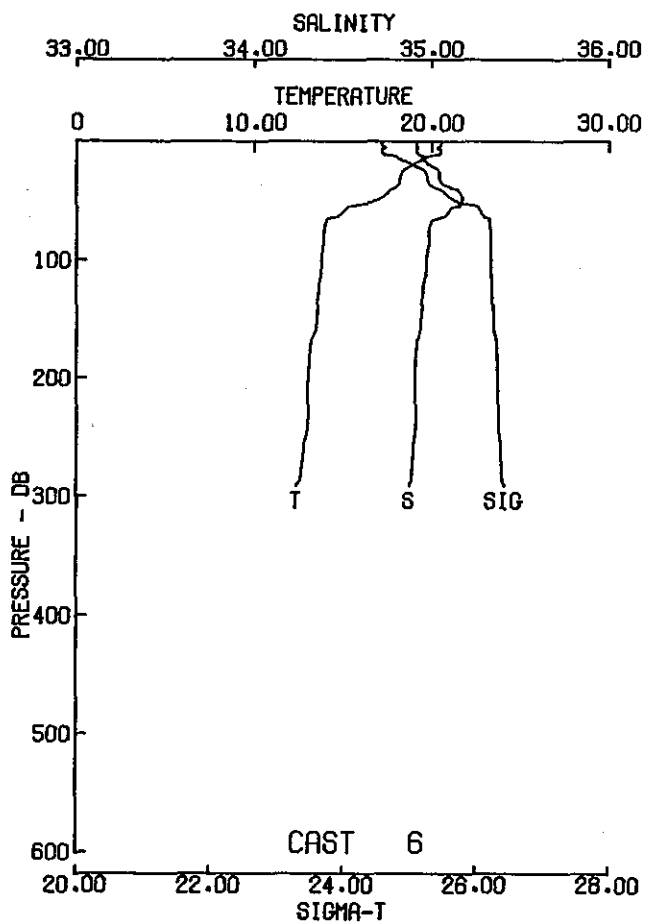
CAST EP3-80-RS-005 DATE 03 AUG 80 TIME 0137 GMT
 LAT 1 29.8S LONG 094 59.6W WEATHER 0 SEA STATE 2
 BAROMETER 16 WIND DIR 160 T SPD 08 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 20.0 WET 19.1 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	20.749	34.907	24.509	0.000
3.	20.624	34.908	24.544	
10.	20.319	34.922	24.635	.034
20.	19.020	34.976	25.015	.065
30.	18.276	35.044	25.254	.094
40.	18.061	35.067	25.326	.121
50.	17.539	35.164	25.527	.147
60.	16.179	35.146	25.835	.170
70.	14.058	35.006	26.197	.190
80.	13.883	34.980	26.213	.209
90.	13.848	34.980	26.220	.227
100.	13.822	34.978	26.224	.244
110.	13.750	34.965	26.230	.264
120.	13.743	34.968	26.233	.282
130.	13.672	34.959	26.241	.300
140.	13.598	34.951	26.251	.318
150.	13.533	34.943	26.258	.336
160.	13.492	34.939	26.263	.355
170.	13.339	34.928	26.286	.373
180.	13.163	34.917	26.313	.390
190.	13.121	34.913	26.318	.408
200.	13.084	34.910	26.324	.426
250.	12.010	34.910	26.339	.514
300.	12.272	34.871	26.454	.600
350.	10.922	34.794	26.648	.680
400.	9.585	34.716	26.819	.750
450.	8.575	34.656	26.936	.813
500.	8.076	34.629	26.991	.873
550.	7.669	34.619	27.043	.930
600.	7.132	34.600	27.106	.983
650.	6.455	34.574	27.178	1.036
700.	6.028	34.564	27.225	1.084
750.	5.717	34.558	27.260	1.131
800.	5.401	34.555	27.297	1.176
850.	5.159	34.553	27.324	1.219
900.	5.030	34.561	27.345	1.262
950.	4.884	34.564	27.364	1.304
1000.	4.677	34.572	27.394	1.344
1010.	4.629	34.571	27.399	

CAST EP3-80-RS-006 DATE 03 AUG 80 TIME 0340 GMT
LAT 1 29.0S LONG 094 59.4W



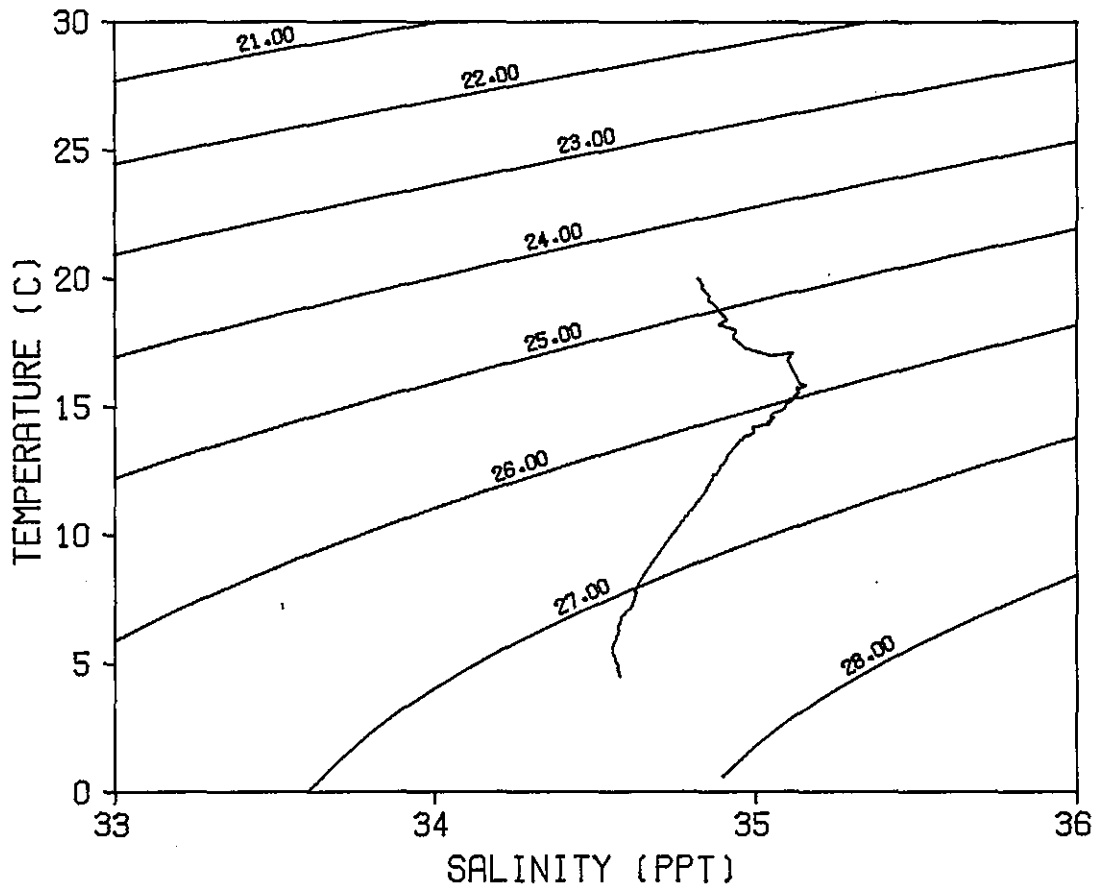
155

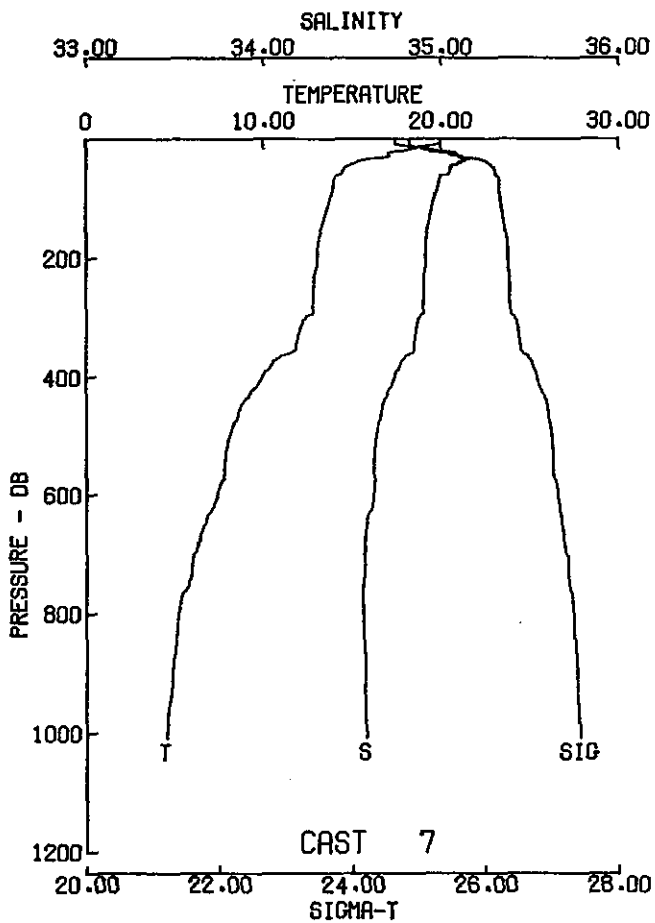


CAST EP3-80-RS-006 DATE 03 AUG 80 TIME 0340 GMT
 LAT 1 29.05 LONG 094 59.4W WEATHER 0 SEA STATE 2
 BAROMETER 14 WIND DIR 160 T SPD 07 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 19.8 WET 19.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	20.545	34.910	24.566	0.000
1.	20.521	34.910	24.572	
10.	20.476	34.920	24.592	.034
20.	18.931	34.985	25.044	.065
30.	18.225	35.042	25.266	.093
40.	17.755	35.145	25.460	.120
50.	16.783	35.176	25.718	.144
60.	14.932	35.088	26.072	.165
70.	13.958	34.991	26.206	.183
80.	13.879	34.984	26.217	.202
90.	13.830	34.978	26.223	.220
100.	13.781	34.971	26.228	.238
110.	13.738	34.968	26.230	.257
120.	13.696	34.955	26.241	.275
130.	13.615	34.952	26.248	.293
140.	13.553	34.945	26.255	.311
150.	13.505	34.939	26.260	.329
160.	13.433	34.935	26.272	.347
170.	13.179	34.918	26.311	.365
180.	13.121	34.912	26.318	.383
190.	13.083	34.910	26.324	.401
200.	13.064	34.909	26.327	.418
250.	12.897	34.904	26.357	.418
291.	12.406	34.878	26.433	.506

CAST EP3-80-RS-007 DATE 03 AUG 80 TIME 0701 GMT
LAT 0 57.6S LONG 094 58.7W

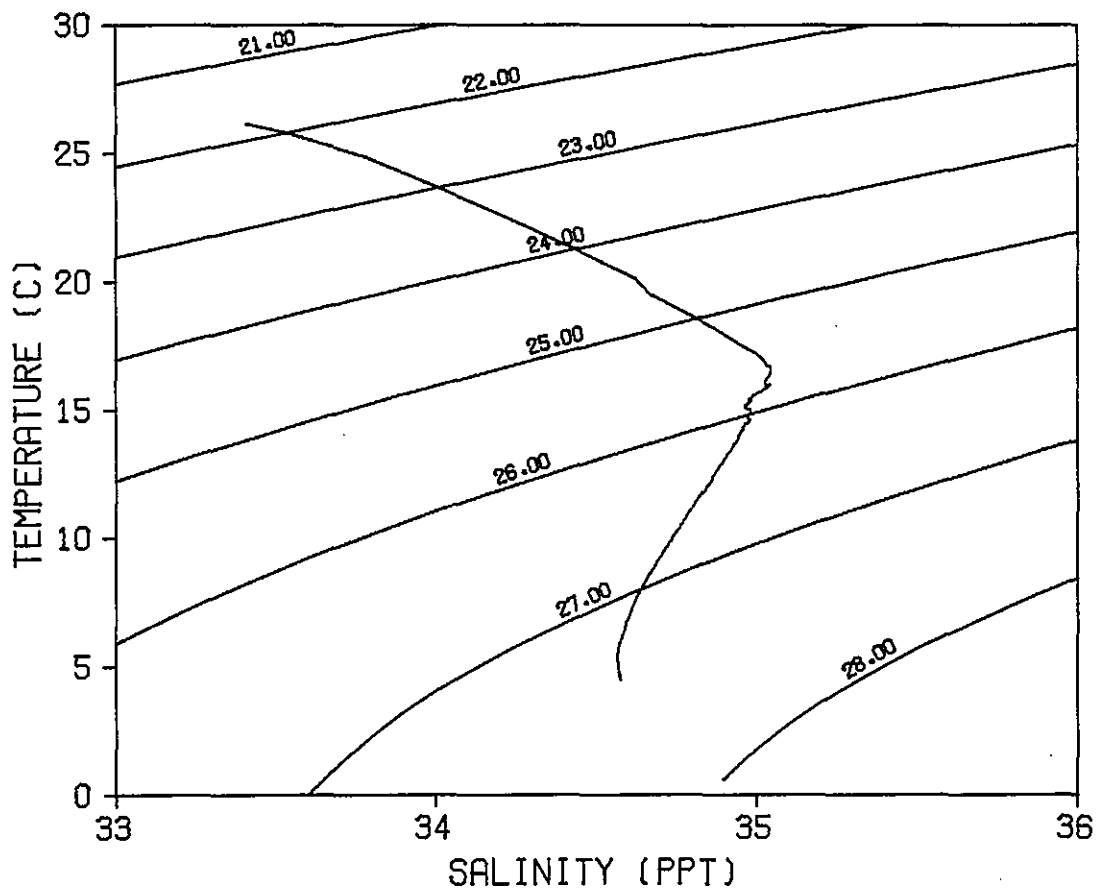


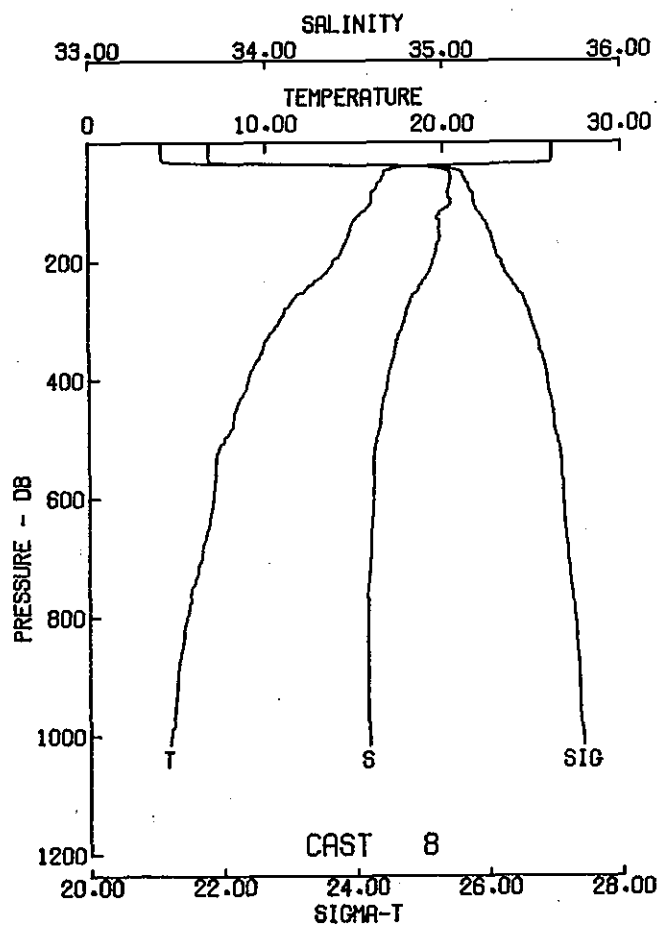


CAST EP3-80-RS-007 DATE 03 AUG 80 TIME 0701 GMT
 LAT 0 57.65 LONG 094 58.7W WEATHER 1 SEA STATE 2
 BAROMETER 14 WIND DIR 150 T SPD 06 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 19.5 WET 19.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	19.990	34.822	24.646	0.000
1.	19.985	34.821	24.647	
10.	19.766	34.834	24.714	.033
20.	17.922	34.942	25.264	.063
30.	17.111	35.119	25.596	.088
40.	15.255	35.102	26.011	.109
50.	14.557	35.058	26.130	.129
60.	14.384	35.040	26.153	.148
70.	13.950	34.989	26.206	.166
80.	13.913	34.984	26.210	.185
90.	13.890	34.977	26.209	.203
100.	13.752	34.961	26.226	.221
110.	13.670	34.953	26.237	.240
120.	13.573	34.946	26.252	.258
130.	13.476	34.939	26.266	.276
140.	13.379	34.933	26.281	.294
150.	13.282	34.926	26.296	.312
160.	13.185	34.919	26.310	.329
170.	13.094	34.914	26.325	.347
180.	13.041	34.910	26.332	.364
190.	13.018	34.910	26.333	.382
200.	13.020	34.911	26.337	.399
250.	12.833	34.902	26.368	.486
300.	12.382	34.876	26.437	.573
350.	11.806	34.845	26.523	.654
400.	9.961	34.737	26.772	.728
450.	8.696	34.666	26.925	.792
500.	8.082	34.633	26.994	.832
550.	7.823	34.622	27.023	.869
600.	7.383	34.618	27.085	.905
650.	6.726	34.582	27.148	.965
700.	6.097	34.569	27.221	1.018
750.	5.762	34.559	27.256	1.114
800.	5.213	34.560	27.323	1.158
850.	5.021	34.564	27.349	1.201
900.	4.838	34.570	27.375	1.242
950.	4.709	34.573	27.391	1.282
1000.	4.513	34.577	27.416	1.321
1007.	4.513	34.577	27.416	1.321

CAST EP3-80-RS-008 DATE 03 AUG 80 TIME 1207 GMT
LAT 0 28.2S LONG 094 57.3W

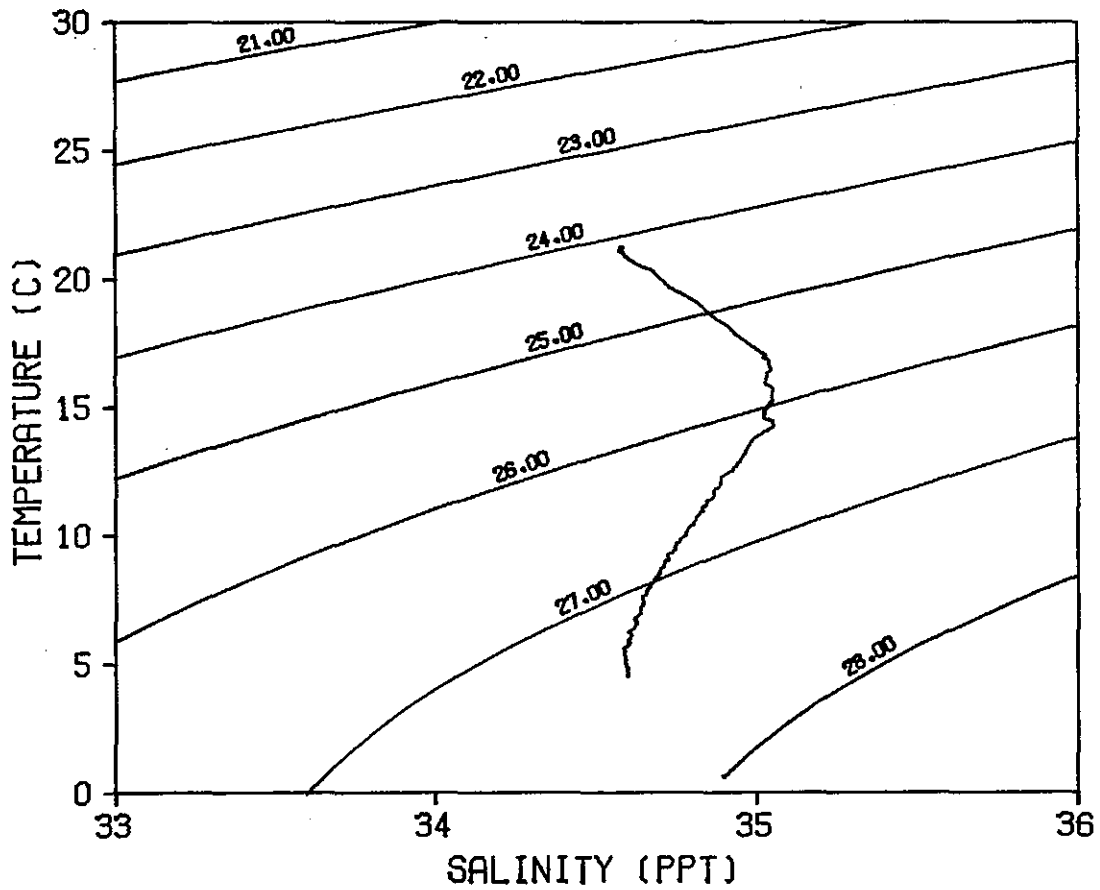




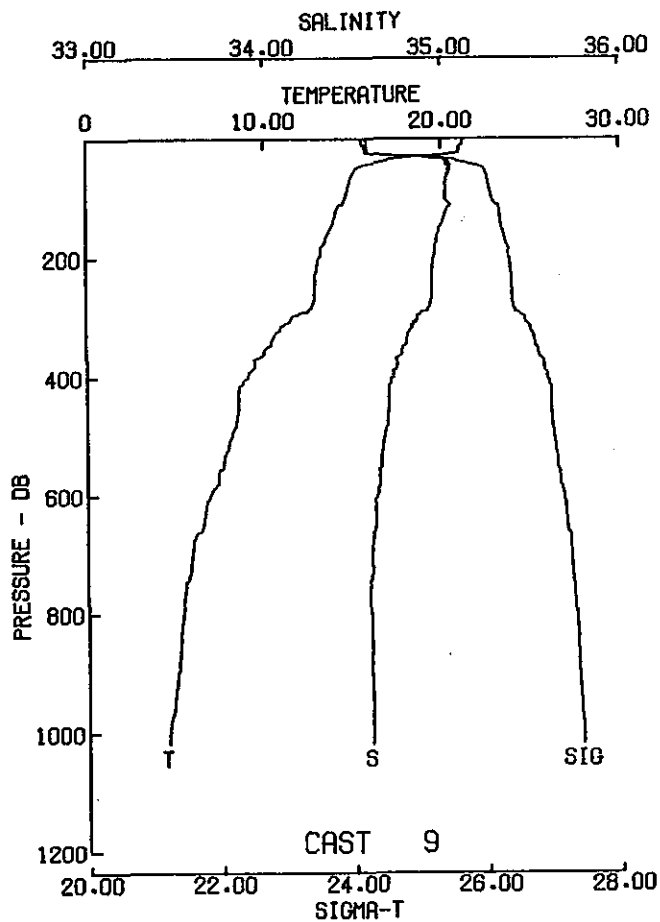
CAST EP3-80-RS-008 DATE 03 AUG 80 TIME 1207 GMT
 LAT 0 28.25 LONG 094 57.3W WEATHER 1 SEA STATE 2
 BAROMETER 16 WIND DIR 150 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 20.5 WET 19.7 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	26.139	33.410	21.812	0.000
5.	26.137	33.410	21.812	
10.	26.138	33.411	21.813	.060
20.	26.144	33.411	21.811	.120
30.	26.126	33.416	21.820	.120
40.	19.499	34.668	24.657	.233
50.	16.717	35.037	25.626	.259
60.	16.596	35.045	25.661	.282
70.	16.327	35.039	25.719	.306
80.	16.199	35.032	25.743	.329
90.	15.977	35.030	25.743	.351
100.	15.980	35.044	25.803	.374
110.	15.773	35.024	25.834	.397
120.	15.370	34.980	25.891	.418
130.	15.041	34.977	25.962	.439
140.	14.852	34.982	26.007	.460
150.	14.706	34.974	26.033	.480
160.	14.619	34.980	26.056	.500
170.	14.458	34.966	26.081	.520
180.	14.292	34.960	26.111	.540
190.	14.136	34.954	26.140	.559
200.	13.771	34.939	26.170	.578
250.	12.210	34.859	26.457	.667
300.	10.785	34.781	26.662	.744
350.	9.829	34.729	26.789	.813
400.	8.979	34.687	26.896	.877
450.	8.290	34.651	26.976	.938
500.	7.624	34.622	27.053	.995
550.	7.144	34.606	27.109	1.049
600.	6.974	34.605	27.129	1.101
650.	6.717	34.592	27.157	1.152
700.	6.338	34.586	27.203	1.202
750.	5.785	34.570	27.261	1.249
800.	5.432	34.565	27.300	1.294
850.	5.194	34.565	27.329	1.338
900.	4.925	34.567	27.362	1.379
950.	4.811	34.569	27.377	1.420
1000.	4.538	34.573	27.410	1.460
1015.	4.486	34.574	27.417	

CAST EP3-80-RS-009 DATE 03 AUG 80 TIME 2202 GMT
LAT 0 00.5S LONG 095 01.2W

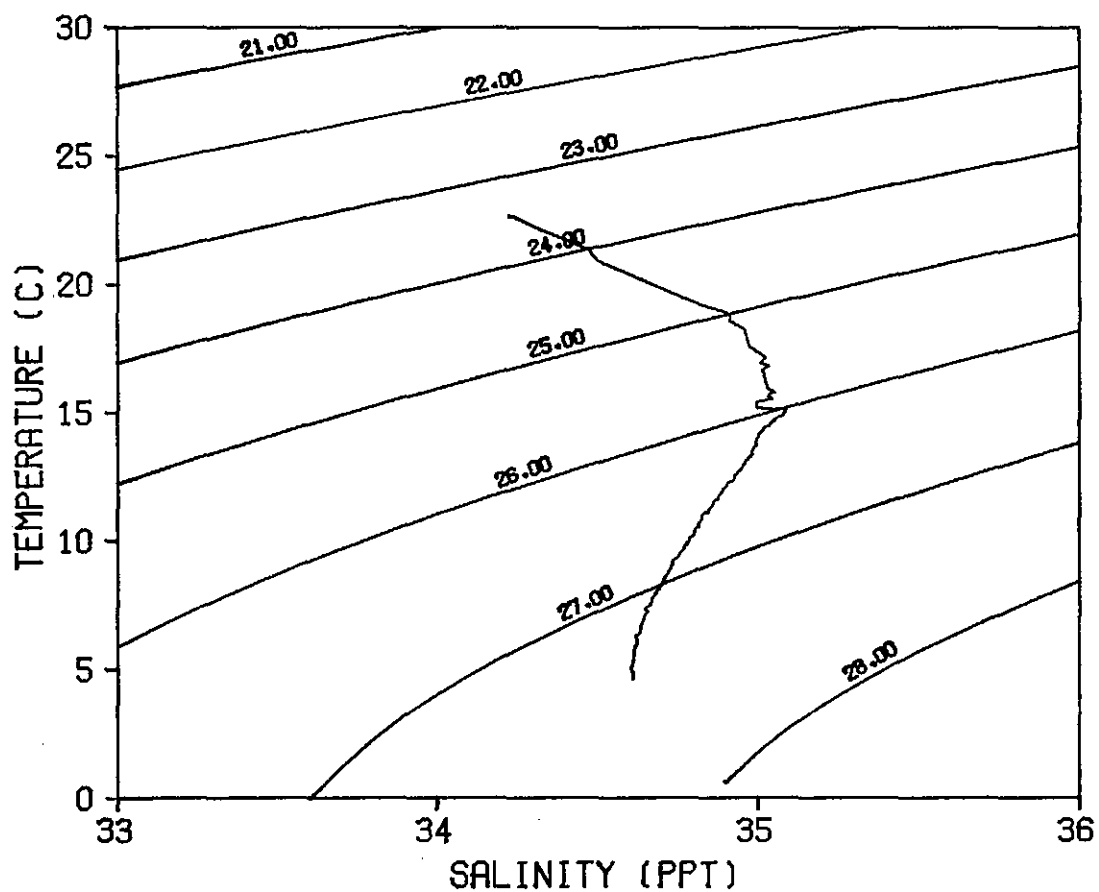


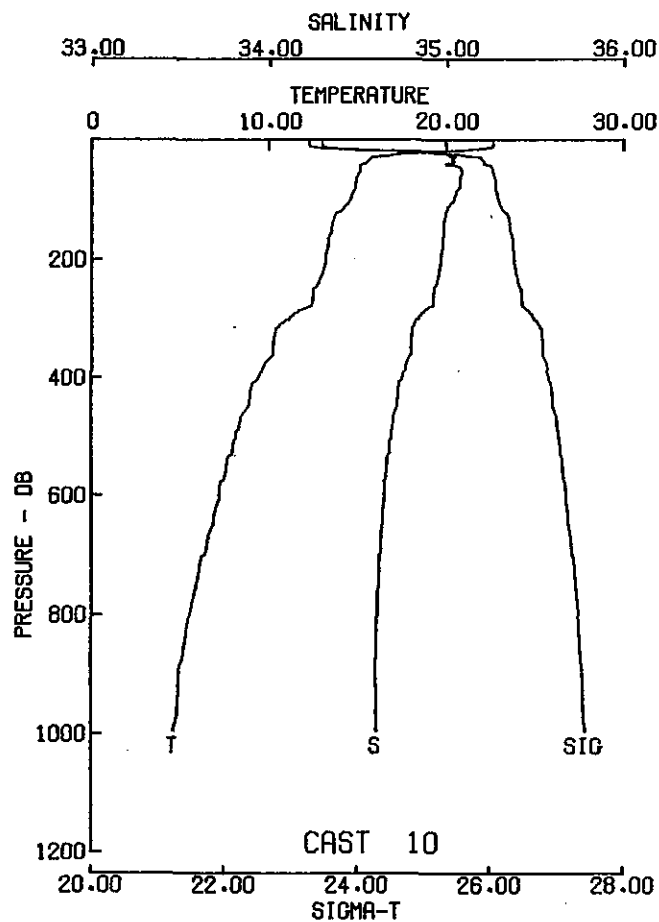
CAST EP3-80-RS-009 DATE 03 AUG 80 TIME 2202 GMT
 LAT 0 00.5S LONG 095 01.2W WEATHER 1 SEA STATE 2
 BAROMETER 15 WIND DIR 170 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 20.0 WET 19.0 DEPTH M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	21.238	34.576	24.124	0.000
2.	21.215	34.575	24.130	
10.	21.177	34.578	24.143	.038
20.	21.007	34.583	24.193	.075
30.	18.449	34.874	25.081	.111
40.	16.449	35.044	25.695	.136
50.	15.211	35.052	25.982	.158
60.	15.003	35.037	26.017	.178
70.	14.872	35.029	26.040	.198
80.	14.765	35.027	26.061	.218
90.	14.688	35.025	26.077	.238
100.	14.588	35.024	26.097	.258
110.	14.449	35.049	26.147	.277
120.	14.092	35.032	26.209	.295
130.	13.998	35.020	26.220	.314
140.	13.914	35.008	26.228	.332
150.	13.756	34.990	26.248	.351
160.	13.591	34.981	26.275	.369
170.	13.466	34.975	26.296	.387
180.	13.272	34.963	26.327	.404
190.	13.194	34.965	26.344	.422
200.	13.086	34.957	26.360	.439
250.	12.862	34.948	26.398	.525
300.	11.569	34.866	26.585	.608
350.	10.163	34.787	26.776	.680
400.	9.052	34.726	26.913	.745
450.	8.517	34.699	26.978	.804
500.	8.140	34.676	27.018	.862
550.	7.673	34.655	27.072	.917
600.	6.927	34.637	27.163	.970
650.	6.532	34.625	27.208	1.019
700.	5.887	34.603	27.274	1.065
750.	5.520	34.591	27.311	1.109
800.	5.332	34.569	27.332	1.152
850.	5.161	34.594	27.356	1.194
900.	4.983	34.592	27.376	1.235
950.	4.817	34.600	27.400	1.275
1000.	4.537	34.598	27.431	1.314
1017.	4.510	34.598	27.434	

CAST EP3-80-RS-010 DATE 04 AUG 80 TIME 0804 GMT
LAT 00 31.2N LONG 095 02.6W

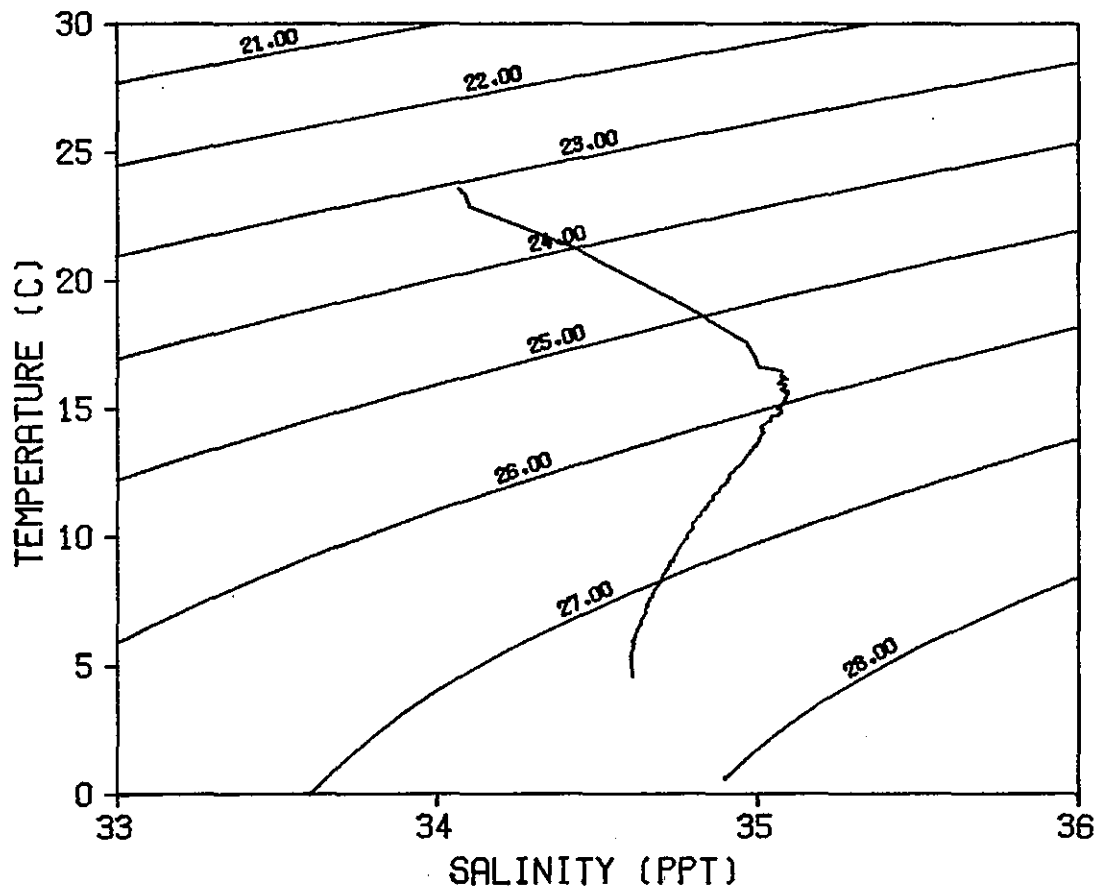


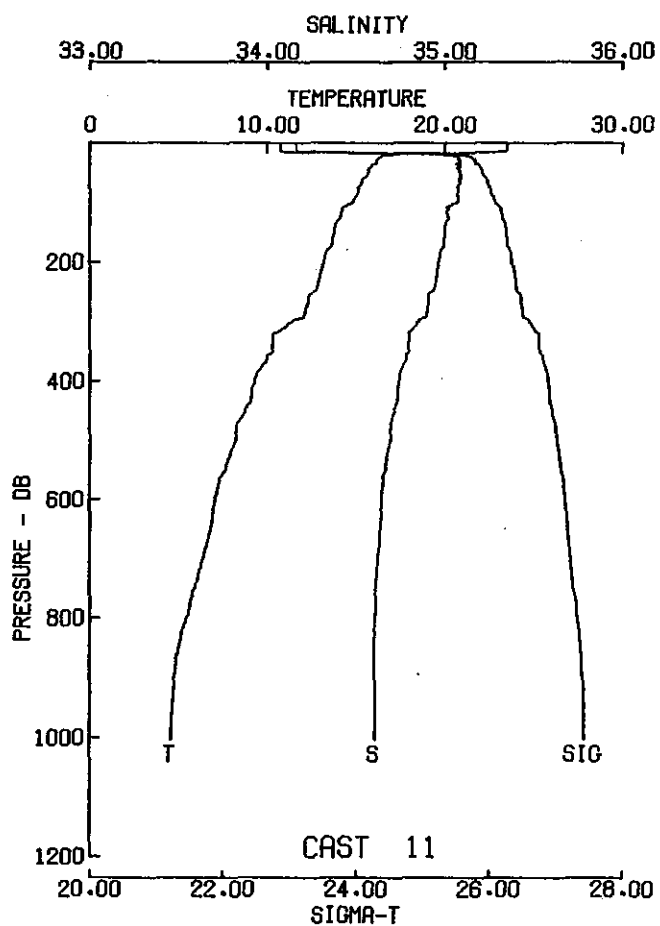


CAST EP3-80-RS-010 DATE 04 AUG 80 TIME 0804 GMT
 LAT 00 31.2N LONG 095 02.6W WEATHER 1 SEA STATE 2
 BAROMETER 13 WIND DIR 140 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.0 WET 19.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	22.651	34.226	23.465	0.000
10.	22.652	34.226	23.465	.044
20.	18.919	34.899	24.982	.085
30.	15.790	35.055	25.854	.110
40.	15.468	35.024	25.903	.132
50.	15.119	35.084	26.028	.152
60.	15.002	35.084	26.053	.172
70.	14.879	35.077	26.075	.192
80.	14.862	35.075	26.077	.212
90.	14.693	35.056	26.094	.231
100.	14.572	35.040	26.113	.251
110.	14.325	35.018	26.149	.270
120.	14.018	35.000	26.201	.289
130.	13.658	34.992	26.269	.307
140.	13.551	34.985	26.286	.325
150.	13.510	34.985	26.295	.342
160.	13.374	34.984	26.322	.360
170.	13.303	34.979	26.333	.378
180.	13.291	34.979	26.333	.395
190.	13.190	34.971	26.349	.413
200.	13.175	34.969	26.351	.430
250.	12.478	34.928	26.458	.515
300.	11.151	34.844	26.645	.595
350.	10.175	34.797	26.782	.664
400.	9.413	34.753	26.877	.730
450.	8.842	34.721	26.945	.791
500.	8.136	34.690	27.030	.849
550.	7.599	34.665	27.090	.904
600.	7.205	34.652	27.136	.956
650.	6.841	34.640	27.178	1.007
700.	6.361	34.625	27.231	1.056
750.	5.885	34.618	27.286	1.101
800.	5.515	34.610	27.326	1.145
850.	5.257	34.608	27.355	1.187
900.	4.926	34.604	27.391	1.228
950.	4.866	34.606	27.400	1.268
995.	4.629	34.607	27.427	

CAST EP3-80-RS-011 DATE 04 AUG 80 TIME 1736 GMT
LAT 01 00.0N LONG 094 59.4W

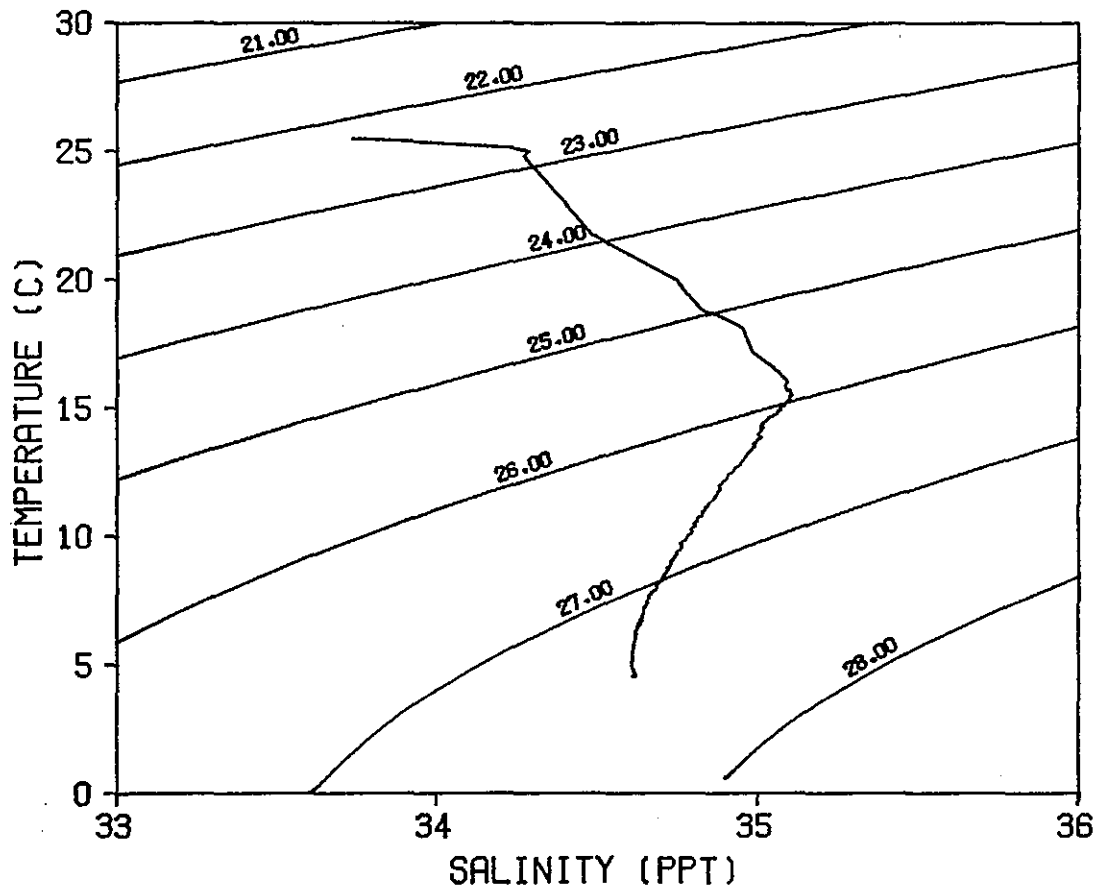


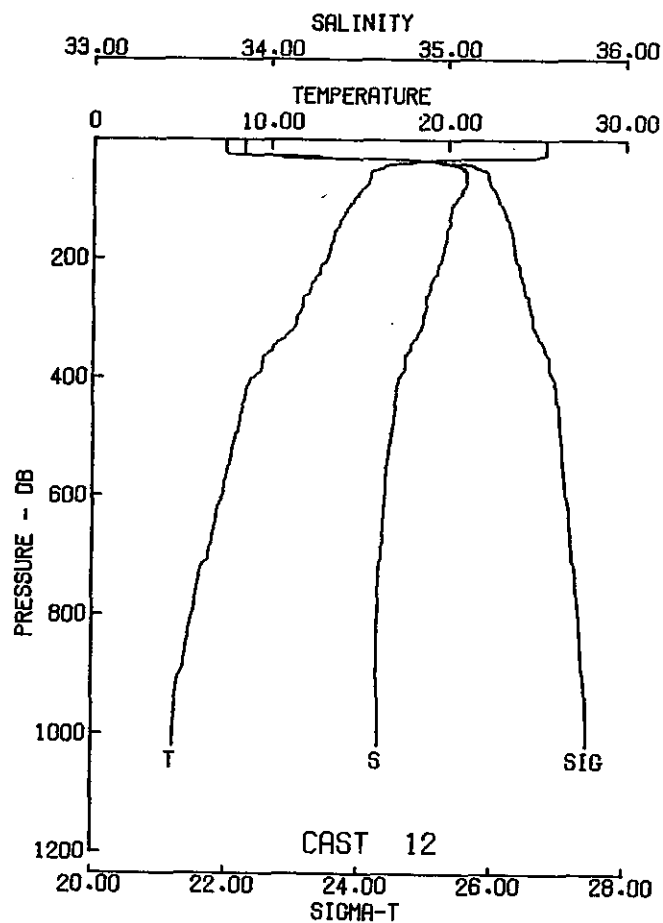


CAST EP3-80-RS-011 DATE 04 AUG 80 TIME 1736 GMT
 LAT 01 00.0N LONG 094 59.4W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 160 T SPD 15 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 23.0 WET 20.5 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	23.557	34.072	23.088	0.000
1.	23.555	34.072	23.089	
10.	23.519	34.074	23.102	.048
20.	17.062	34.989	25.508	.089
30.	16.182	35.085	25.788	.112
40.	15.866	35.089	25.863	.134
50.	15.706	35.091	25.901	.156
60.	15.417	35.083	25.960	.177
70.	15.288	35.086	25.991	.197
80.	15.094	35.074	26.025	.218
90.	14.940	35.072	26.058	.238
100.	14.775	35.068	26.090	.257
110.	14.228	35.017	26.169	.277
120.	14.125	35.014	26.189	.295
130.	14.024	35.017	26.213	.314
140.	13.804	35.003	26.248	.332
150.	13.759	35.004	26.258	.350
160.	13.677	35.000	26.272	.369
170.	13.651	34.999	26.277	.387
180.	13.402	34.984	26.316	.404
190.	13.265	34.975	26.337	.422
200.	13.188	34.968	26.348	.439
250.	12.649	34.930	26.426	.525
300.	11.450	34.859	26.601	.605
350.	10.297	34.798	26.762	.676
400.	9.288	34.743	26.890	.741
450.	8.763	34.719	26.955	.802
500.	8.220	34.696	27.022	.860
550.	7.652	34.669	27.085	.916
600.	7.081	34.648	27.150	.968
650.	6.807	34.636	27.179	1.018
700.	6.382	34.625	27.227	1.067
750.	5.974	34.614	27.272	1.113
800.	5.443	34.604	27.330	1.157
850.	5.028	34.605	27.380	1.198
900.	4.774	34.607	27.411	1.238
950.	4.656	34.606	27.424	1.276
1000.	4.583	34.608	27.433	1.314
1002.	4.577	34.608	27.434	

CAST EP3-80-RS-012 DATE 04 AUG 80 TIME 2312 GMT
LAT 01 30.0N LONG 094 58.7W

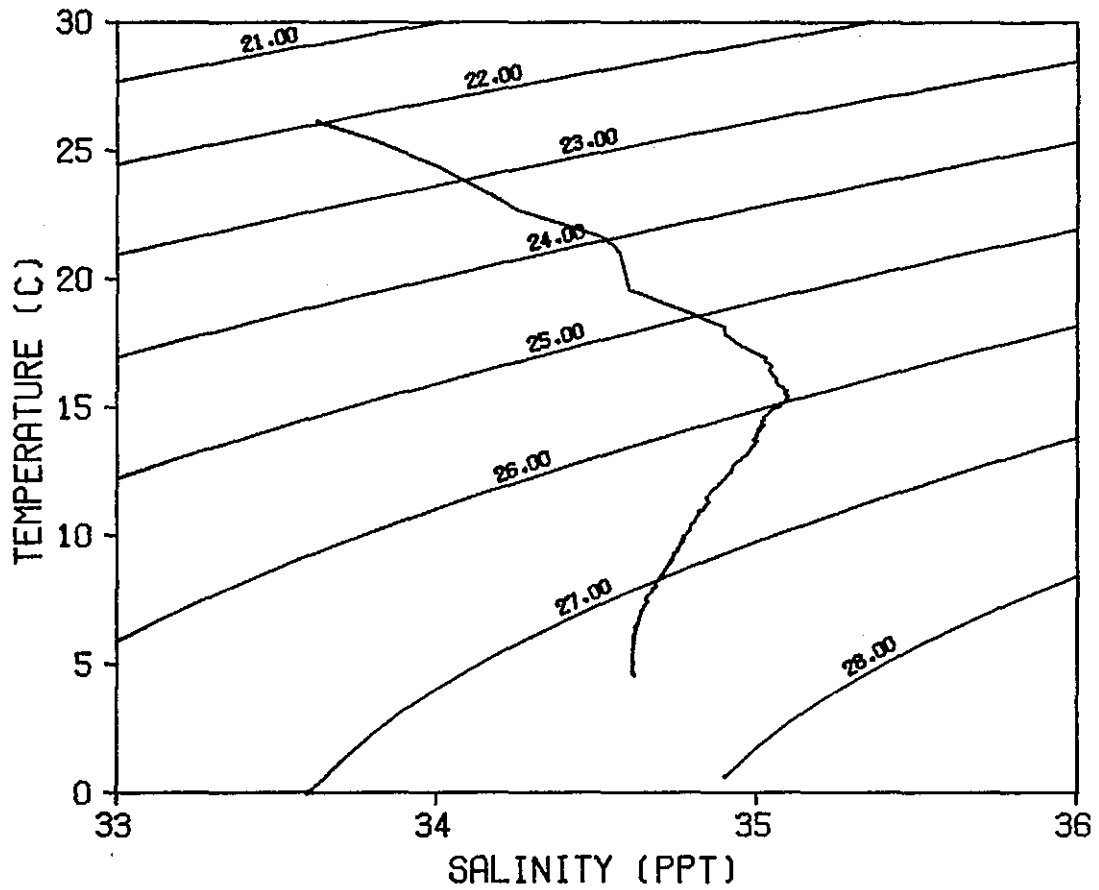


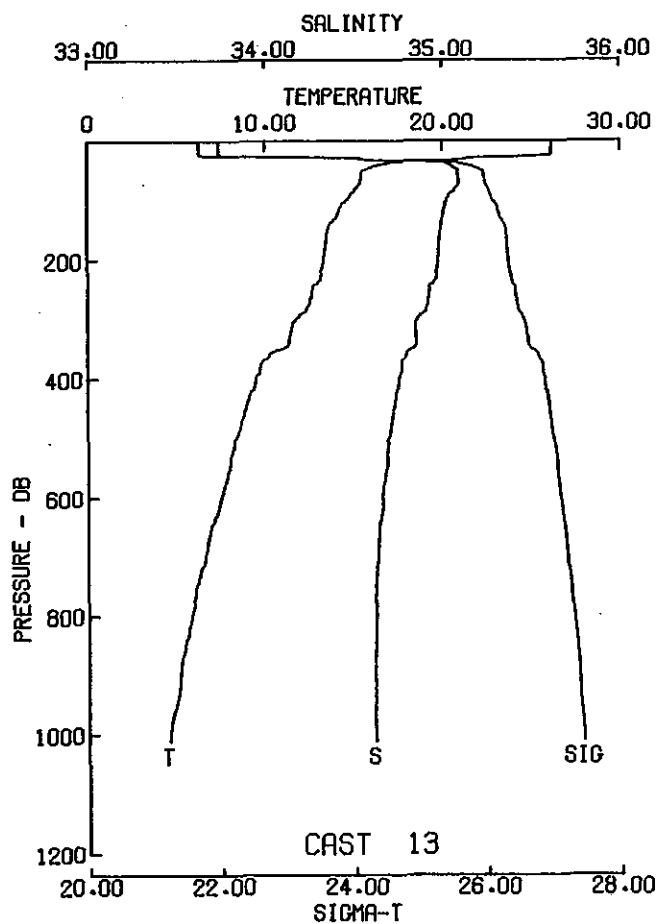


CAST EP3-80-RS-012 DATE 04 AUG 80 TIME 2312 GMT
 LAT 01 30.0N LONG 094 58.7W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 160 T SPD 15 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 22.4 WET 20.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	25.481	33.737	22.261	0.000
3.	25.482	33.737	22.261	
10.	25.484	33.742	22.264	.056
20.	25.490	33.743	22.263	.112
30.	24.992	34.286	22.824	.166
40.	17.865	34.961	23.293	.200
50.	16.656	35.091	23.822	.223
60.	15.620	35.102	23.929	.245
70.	15.533	35.103	23.949	.266
80.	15.331	35.099	23.991	.286
90.	14.964	35.075	24.055	.306
100.	14.703	35.048	24.091	.326
110.	14.493	35.025	24.119	.346
120.	14.260	35.018	24.163	.365
130.	14.047	35.006	24.199	.384
140.	13.865	35.011	24.241	.402
150.	13.686	34.996	24.267	.420
160.	13.543	34.990	24.292	.438
170.	13.483	34.988	24.302	.456
180.	13.342	34.979	24.325	.473
190.	13.286	34.973	24.331	.491
200.	13.177	34.965	24.348	.508
250.	12.260	34.902	24.480	.592
300.	11.456	34.861	24.602	.670
350.	10.129	34.791	24.785	.743
400.	8.995	34.725	24.923	.807
450.	8.416	34.705	24.998	.866
500.	8.026	34.683	27.041	.923
550.	7.658	34.657	27.075	.978
600.	7.351	34.654	27.117	1.032
650.	6.873	34.638	27.172	1.083
700.	6.535	34.630	27.211	1.132
750.	5.947	34.615	27.276	1.178
800.	5.604	34.611	27.316	1.223
850.	5.312	34.607	27.349	1.266
900.	4.947	34.607	27.391	1.307
950.	4.676	34.612	27.426	1.346
1000.	4.578	34.615	27.439	1.384
1019.	4.553	34.615	27.442	

CAST EP3-80-RS-013 DATE 05 AUG 80 TIME 0351 GMT
LAT 02 00.1N LONG 095 00.7W

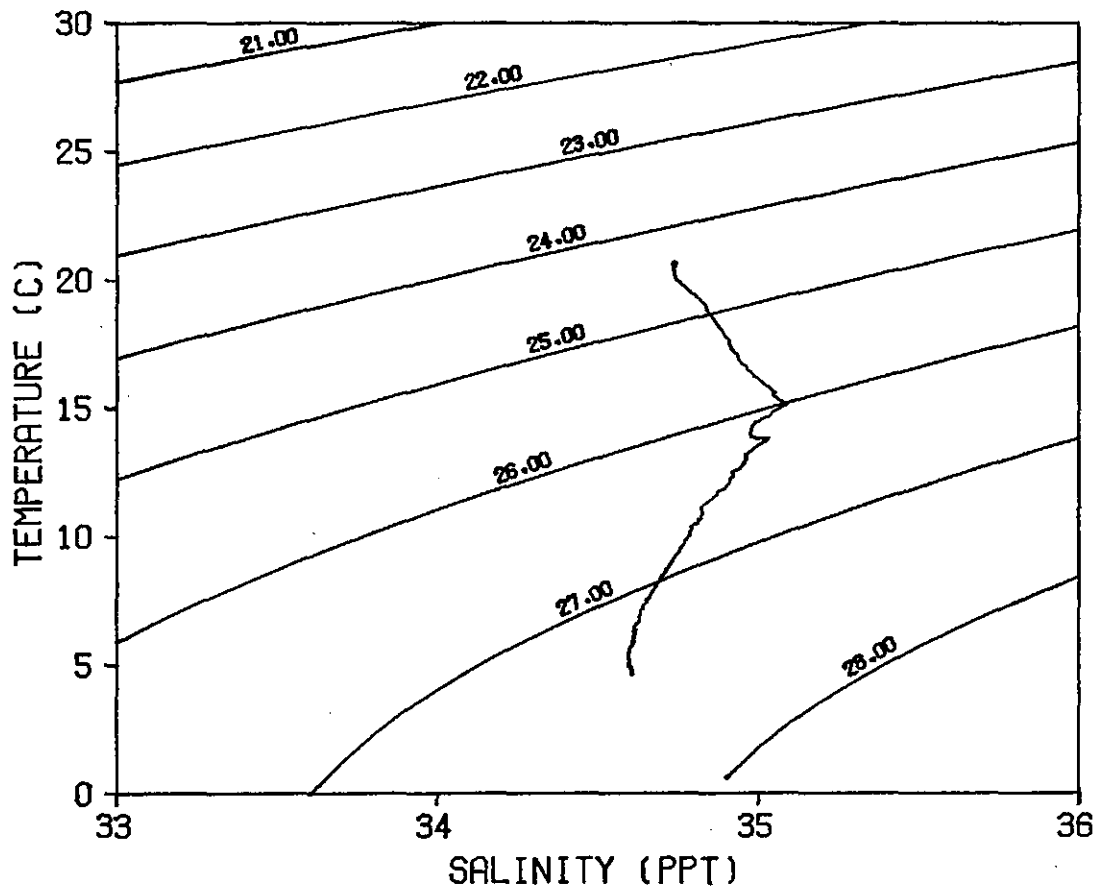




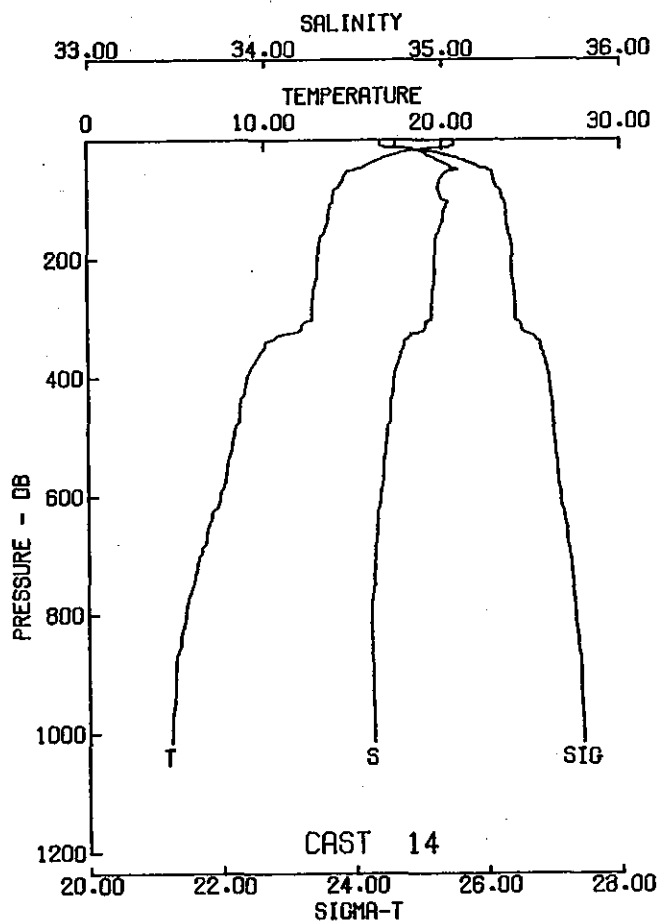
CAST EP3-80-RS-013 DATE 05 AUG 80 TIME 0351 GMT
 LAT 02 00.1N LONG 095 00.7W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 140 T SPD 14 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 22.2 WET 20.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	26.146	33.627	21.973	0.000
1.	26.149	33.627	21.972	
10.	26.156	33.626	21.969	.059
20.	26.151	33.626	21.971	.117
30.	21.427	34.538	24.044	.170
40.	16.592	35.046	25.663	.200
50.	15.535	35.083	25.934	.222
60.	15.437	35.091	25.962	.243
70.	15.373	35.095	25.980	.263
80.	15.084	35.074	26.027	.284
90.	14.831	35.041	26.058	.304
100.	14.575	35.019	26.096	.323
110.	14.287	35.019	26.158	.343
120.	14.135	35.006	26.180	.361
130.	13.980	35.002	26.210	.380
140.	13.667	35.000	26.274	.398
150.	13.533	34.991	26.295	.416
160.	13.470	34.986	26.304	.434
170.	13.436	34.983	26.308	.452
180.	13.396	34.981	26.315	.469
190.	13.364	34.979	26.320	.487
200.	13.297	34.977	26.332	.505
250.	12.623	34.923	26.426	.591
300.	11.727	34.857	26.548	.673
350.	11.030	34.837	26.661	.749
400.	9.439	34.753	26.873	.816
450.	8.905	34.728	26.940	.878
500.	8.345	34.700	27.005	.937
550.	7.963	34.684	27.051	.994
600.	7.476	34.657	27.101	1.049
650.	6.929	34.639	27.164	1.101
700.	6.585	34.630	27.205	1.151
750.	6.077	34.618	27.262	1.198
800.	5.788	34.615	27.296	1.244
850.	5.393	34.614	27.344	1.287
900.	5.131	34.611	27.373	1.328
950.	4.910	34.611	27.399	1.369
1000.	4.579	34.615	27.433	1.407
1011.	4.557	34.617	27.443	

CAST EP3-80-RS-014 DATE 05 AUG 80 TIME 2036 GMT
LAT 00 00.8N LONG 097 30.4W



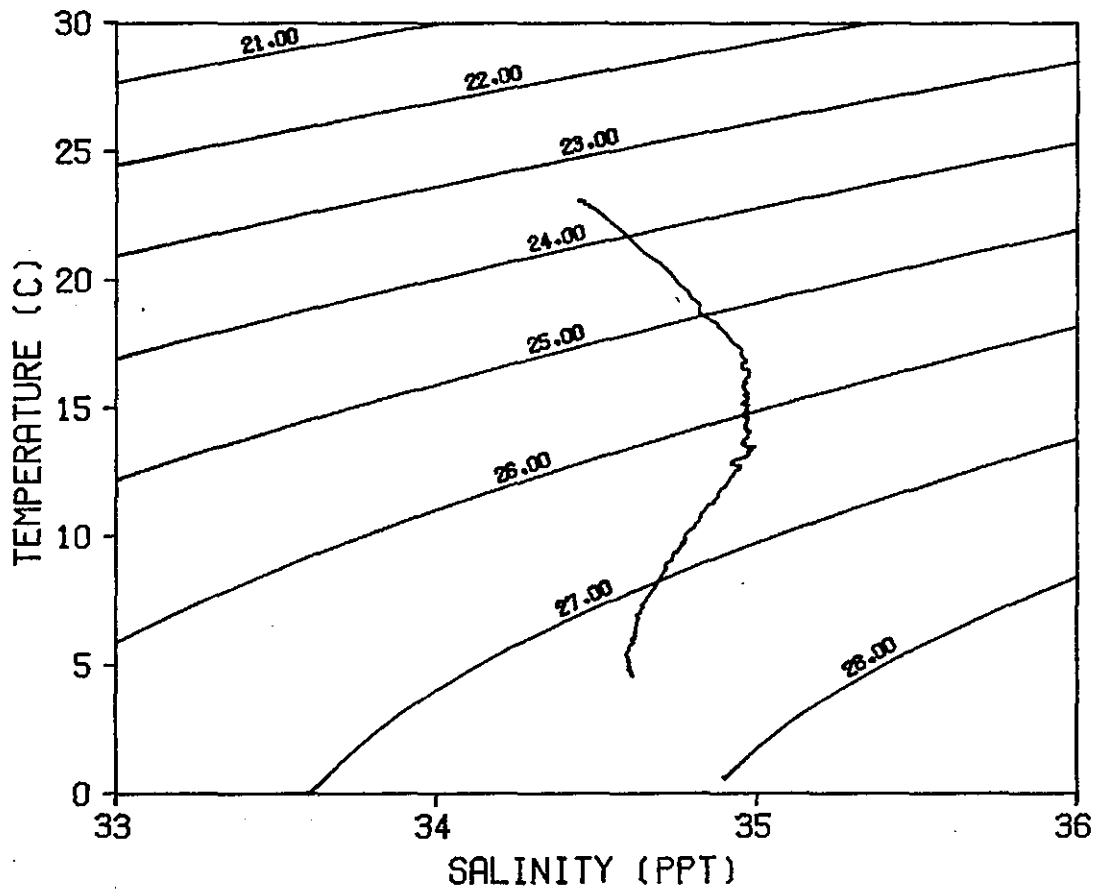
171

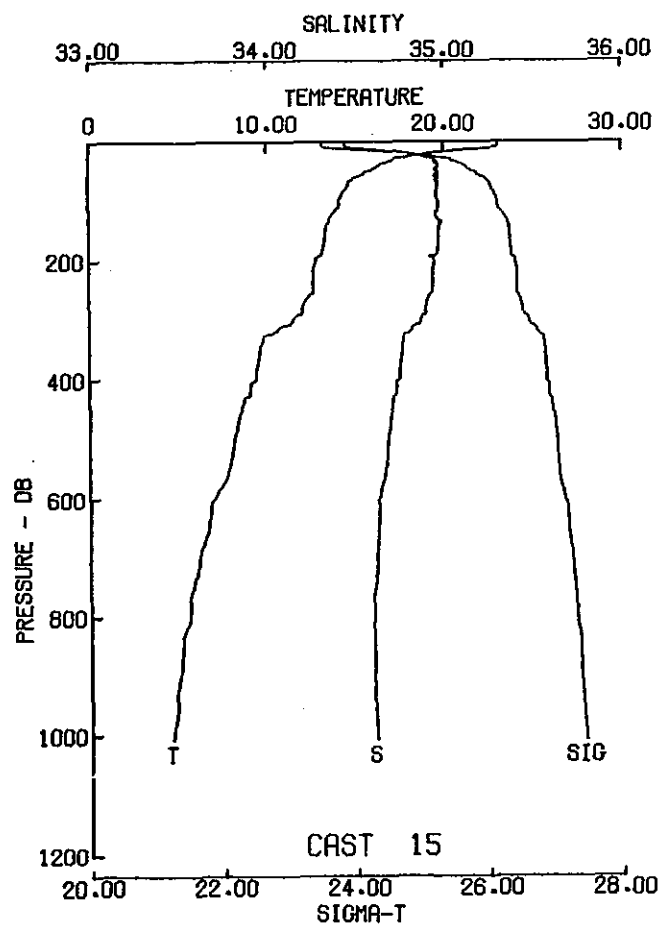


CAST EP3-80-RS-014 DATE 05 AUG 80 TIME 2036 GMT
 LAT 00 00.8N LONG 097 30.4W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 140 T SPD 11 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 20.3 WET 19.5 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	20.661	34.738	24.404	0.000
1.	20.676	34.738	24.400	
10.	20.564	34.731	24.424	.035
20.	18.000	34.888	25.204	.067
30.	16.707	34.953	25.564	.093
40.	15.982	35.018	25.782	.116
50.	15.142	35.092	26.029	.138
60.	14.513	35.006	26.100	.157
70.	14.362	34.985	26.116	.176
80.	14.151	34.977	26.154	.196
90.	13.864	34.987	26.222	.214
100.	13.819	35.001	26.243	.232
110.	13.694	35.022	26.283	.250
120.	13.609	35.010	26.293	.268
130.	13.583	35.005	26.295	.286
140.	13.537	35.000	26.300	.303
150.	13.398	34.984	26.317	.321
160.	13.248	34.970	26.337	.338
170.	13.101	34.961	26.360	.356
180.	13.011	34.959	26.376	.373
190.	13.001	34.961	26.380	.390
200.	12.989	34.960	26.382	.407
250.	12.784	34.949	26.414	.492
300.	12.652	34.941	26.434	.576
350.	9.946	34.781	26.809	.651
400.	8.965	34.725	26.928	.714
450.	8.542	34.704	26.979	.774
500.	8.227	34.686	27.013	.832
550.	7.841	34.667	27.056	.888
600.	7.423	34.649	27.103	.943
650.	6.768	34.627	27.178	.995
700.	6.261	34.614	27.235	1.043
750.	5.895	34.611	27.279	1.089
800.	5.477	34.595	27.319	1.134
850.	5.168	34.597	27.357	1.176
900.	4.875	34.598	27.393	1.216
950.	4.801	34.603	27.405	1.256
1000.	4.643	34.603	27.423	1.294
1014.	4.611	34.605	27.428	

CAST EP3-80-RS-015 DATE 06 AUG 80 TIME 0812 GMT
LAT 0 00.4S LONG 100 00.7W

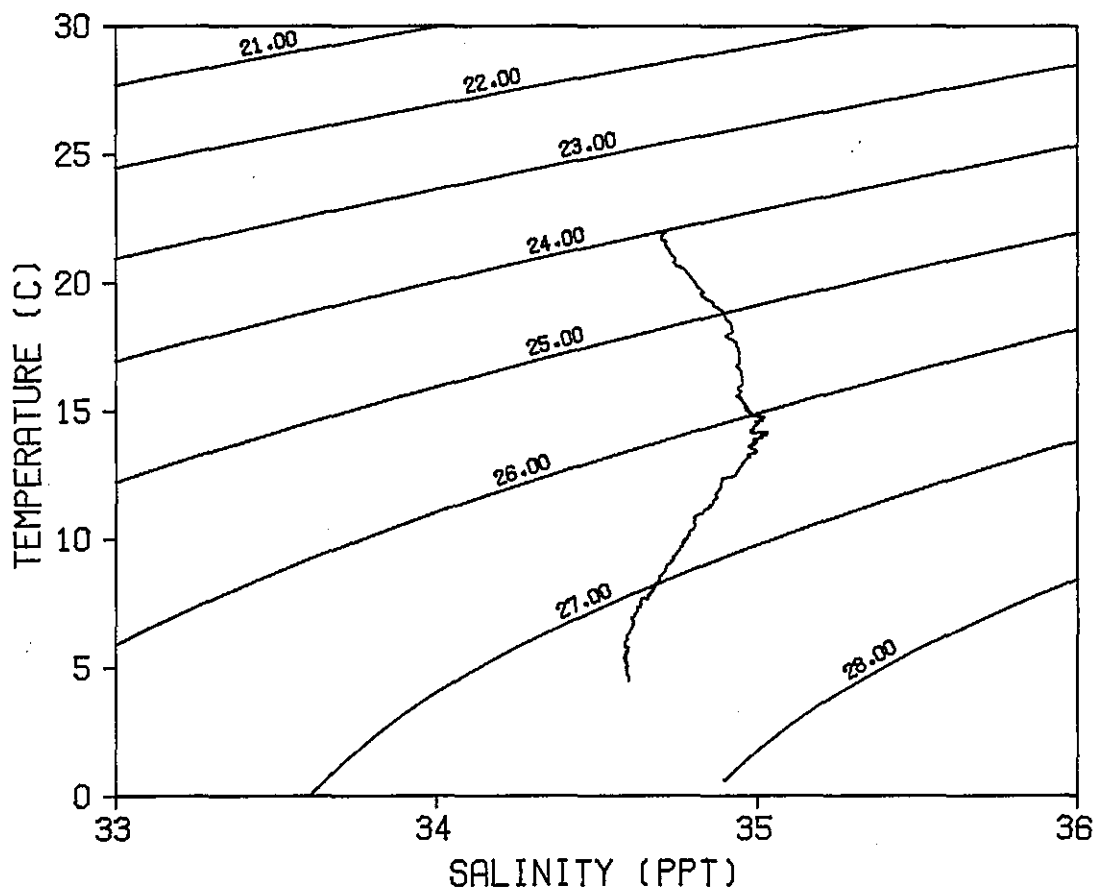


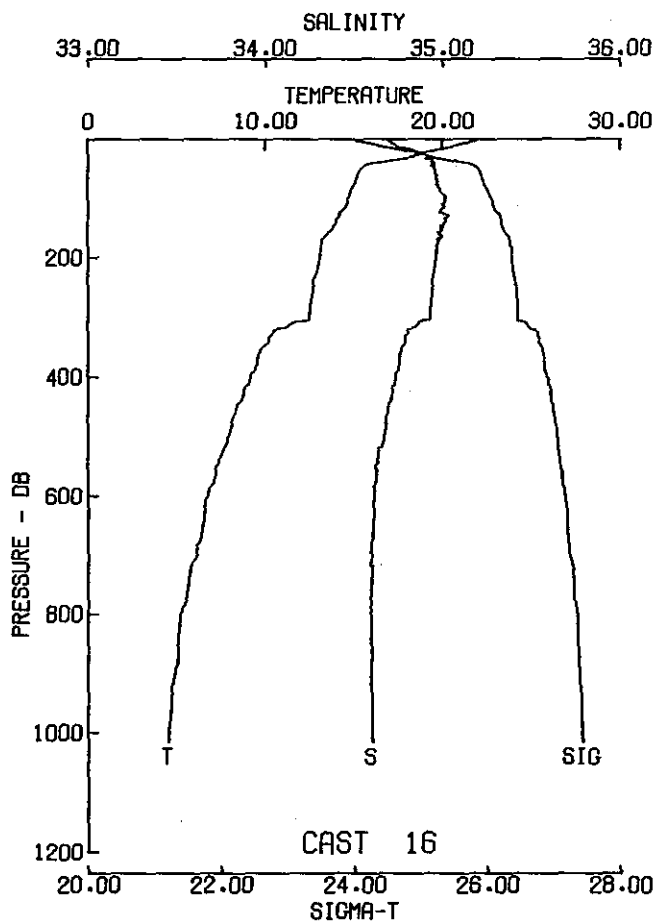


CAST EP3-80-RS-015 DATE 06 AUG 80 TIME 0812 GMT
 LAT 0 00.4S LONG 100 00.7W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 130 T SPD 14 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.8 WET 20.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	23.087	34.443	23.505	0.000
1.	23.086	34.443	23.505	
10.	22.977	34.457	23.548	.044
20.	19.275	34.793	24.810	.081
30.	17.229	34.952	25.440	.110
40.	16.378	34.975	25.658	.134
50.	15.712	34.961	25.800	.157
60.	14.989	34.969	25.968	.179
70.	14.634	34.970	26.046	.199
80.	14.494	34.970	26.076	.219
90.	14.271	34.966	26.120	.238
100.	14.133	34.974	26.156	.257
110.	14.106	34.976	26.163	.276
120.	13.758	34.957	26.222	.295
130.	13.522	34.965	26.277	.313
140.	13.392	34.974	26.314	.331
150.	13.311	34.974	26.327	.348
160.	13.267	34.972	26.335	.366
170.	13.244	34.972	26.339	.383
180.	13.193	34.969	26.347	.401
190.	13.101	34.964	26.362	.418
200.	12.763	34.947	26.416	.435
250.	12.624	34.940	26.439	.518
300.	11.433	34.868	26.611	.598
350.	9.611	34.763	26.851	.666
400.	9.391	34.750	26.878	.730
450.	8.588	34.706	26.973	.791
500.	8.115	34.681	27.026	.848
550.	7.833	34.667	27.057	.904
600.	7.024	34.633	27.147	.958
650.	6.644	34.624	27.192	1.007
700.	6.129	34.617	27.254	1.055
750.	5.796	34.606	27.288	1.101
800.	5.555	34.596	27.310	1.145
850.	5.148	34.599	27.361	1.187
900.	4.999	34.597	27.378	1.228
950.	4.799	34.600	27.403	1.267
1000.	4.596	34.608	27.432	1.267
1007.	4.562	34.609	27.436	1.506

CAST EP3-80-RS-016 DATE 06 AUG 80 TIME 2040 GMT
LAT 0 00.2S LONG 102 31.9W

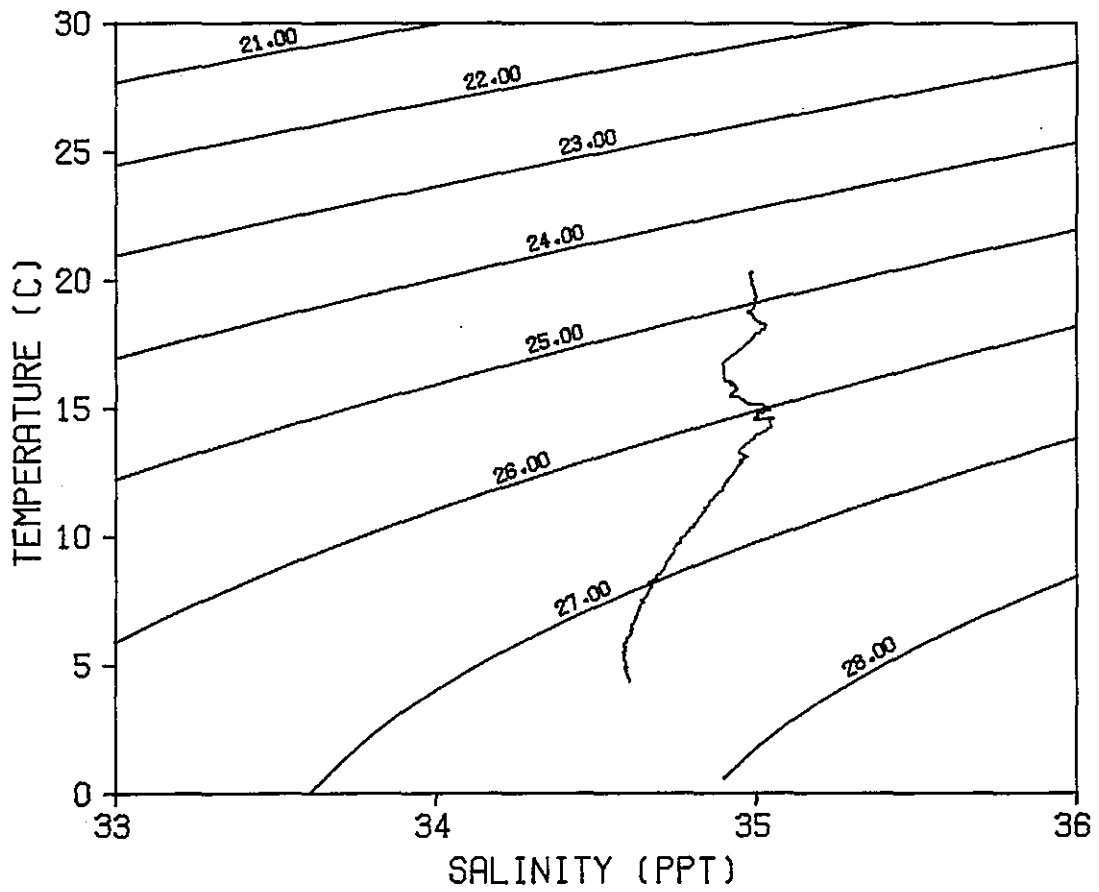


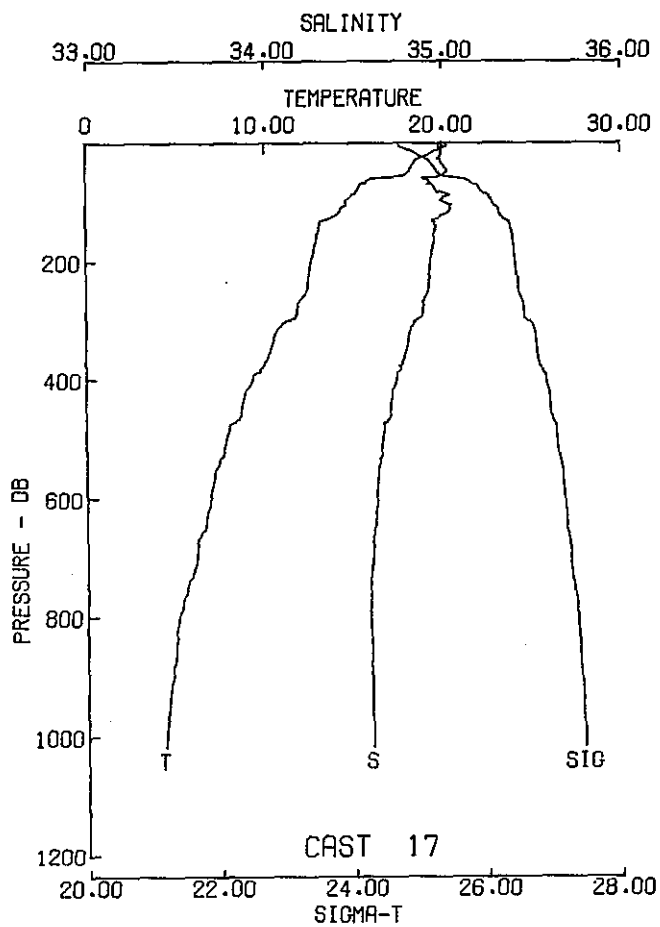


CAST EP3-80-RS-016 DATE 06 AUG 80 TIME 2040 GHT
 LAT 0 00.25 LONG 102 31.9W WEATHER 1 SEA STATE 2
 BARGMETER 13 WIND DIR 120 T SPD 08 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.0 WET 20.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	22.111	34.705	23.981	0.000
1.	21.954	34.713	24.031	
10.	20.900	34.743	24.344	.038
20.	19.368	34.840	24.822	.072
30.	18.230	34.921	25.172	.101
40.	16.283	34.952	25.662	.127
50.	15.397	34.953	25.865	.149
60.	15.211	34.965	25.915	.171
70.	15.099	34.971	25.945	.192
80.	14.945	34.977	25.983	.212
90.	14.804	34.997	26.030	.233
100.	14.666	35.018	26.076	.253
110.	14.578	34.993	26.076	.273
120.	14.355	34.986	26.118	.292
130.	14.153	35.028	26.194	.311
140.	13.985	35.013	26.217	.330
150.	13.822	34.996	26.239	.348
160.	13.551	34.981	26.283	.366
170.	13.208	34.977	26.350	.384
180.	13.148	34.970	26.357	.401
190.	13.078	34.963	26.366	.418
200.	13.043	34.961	26.372	.435
250.	12.670	34.941	26.431	.520
300.	12.472	34.930	26.461	.603
350.	9.866	34.770	26.814	.675
400.	9.158	34.734	26.904	.739
450.	8.393	34.693	26.993	.799
500.	7.879	34.665	27.048	.856
550.	7.245	34.622	27.107	.910
600.	6.745	34.613	27.169	.961
650.	6.446	34.603	27.202	1.010
700.	6.093	34.597	27.243	1.058
750.	5.641	34.597	27.301	1.103
800.	5.191	34.592	27.351	1.146
850.	4.091	34.594	27.364	1.187
900.	4.907	34.594	27.385	1.228
950.	4.692	34.598	27.413	1.267
1000.	4.573	34.600	27.428	1.305
1014.	4.519	34.599	27.434	

CAST EP3-80-RS-017 DATE 07 AUG 80 TIME 0757 GMT
LAT 00 00.6N LONG 105 00.5W

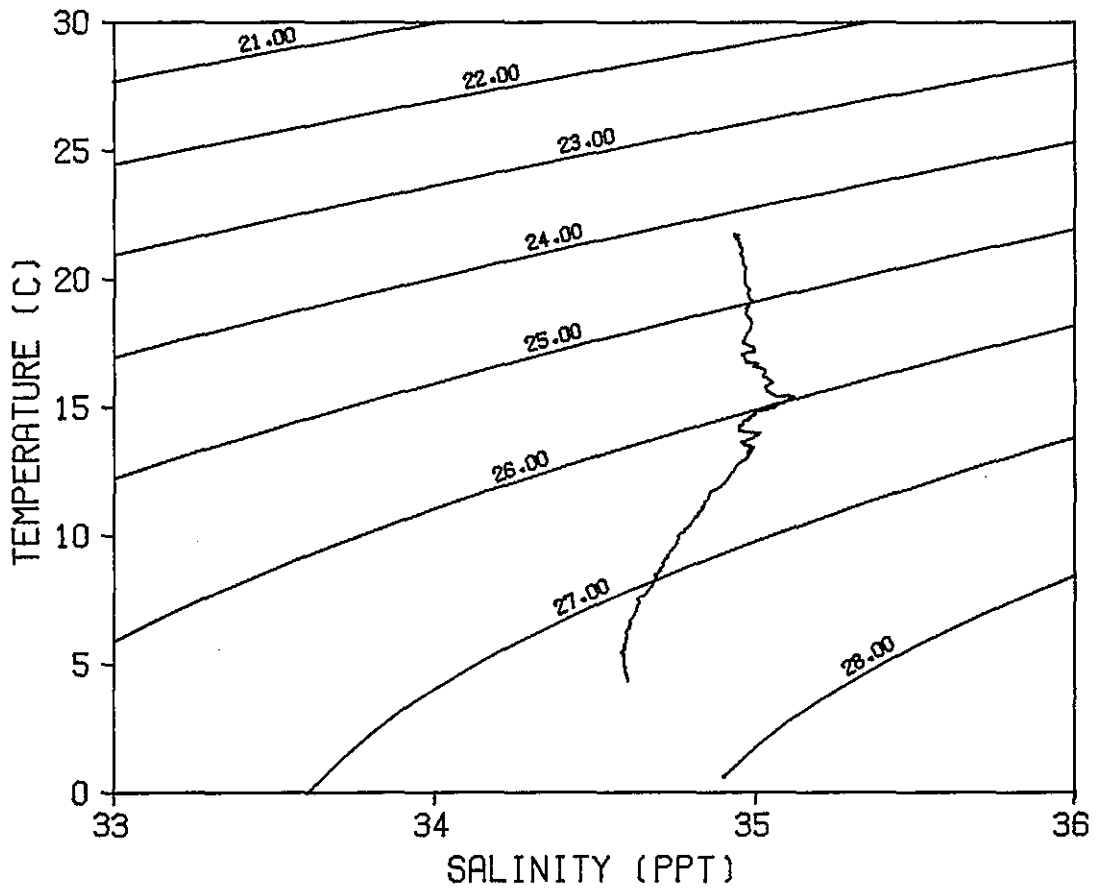


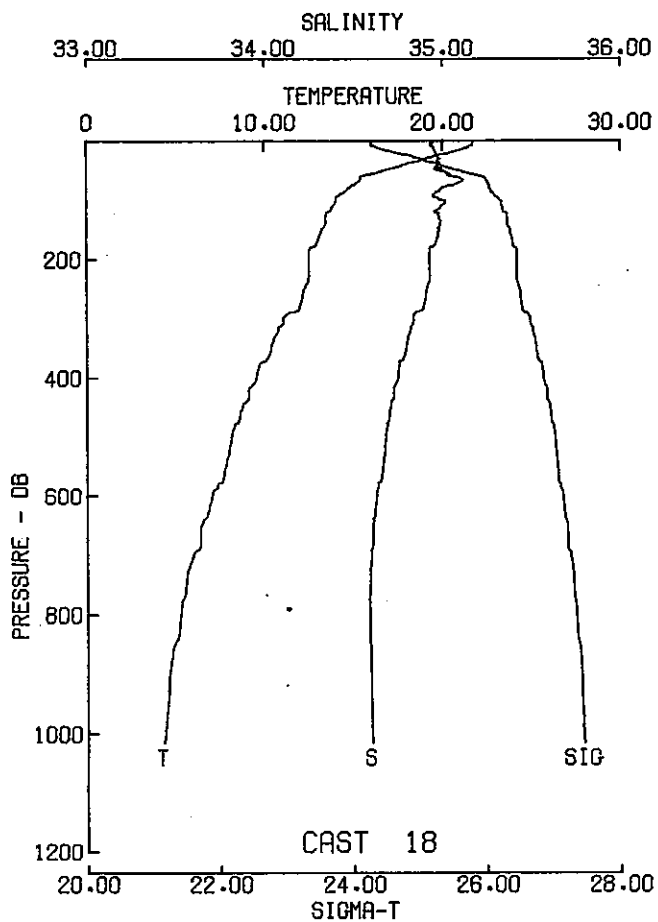


CAST EP3-80-RS-017 -- DATE 07 AUG 80 TIME 0757 GMT
 LAT 00 00.6N LONG 105 00.5W WEATHER 1 SEA STATE 1
 BAROMETER 14 WIND DIR 090 T SPD 08 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 20.8 WET 19.7 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	20.338	34.986	24.679	0.000
1.	20.302	34.985	24.688	
10.	19.917	34.987	24.791	.032
20.	19.216	34.990	24.975	.065
30.	18.524	34.994	25.154	.092
40.	18.306	35.017	25.226	.120
50.	18.106	35.028	25.285	.148
60.	16.080	34.900	25.669	.174
70.	15.423	34.947	25.854	.196
80.	15.227	34.966	25.912	.218
90.	14.907	35.026	26.029	.239
100.	14.559	35.010	26.093	.258
110.	14.318	35.045	26.171	.278
120.	14.100	35.028	26.204	.294
130.	13.387	34.950	26.293	.315
140.	13.117	34.969	26.363	.332
150.	12.999	34.956	26.376	.349
160.	12.917	34.955	26.392	.366
170.	12.830	34.951	26.406	.383
180.	12.778	34.946	26.413	.400
190.	12.715	34.941	26.422	.416
200.	12.619	34.935	26.436	.433
250.	12.349	34.920	26.477	.515
300.	11.285	34.848	26.623	.593
350.	10.350	34.800	26.754	.664
400.	9.304	34.741	26.886	.730
450.	8.710	34.710	26.957	.791
500.	7.846	34.665	27.053	.848
550.	7.223	34.637	27.122	.902
600.	6.909	34.628	27.156	.955
650.	6.609	34.616	27.190	1.005
700.	6.115	34.605	27.247	1.050
750.	5.609	34.590	27.299	1.095
800.	5.139	34.589	27.355	1.138
850.	4.944	34.596	27.383	1.178
900.	4.769	34.593	27.401	1.218
950.	4.564	34.597	27.427	1.256
1000.	4.385	34.602	27.450	1.294
1015.	4.355	34.603	27.455	

CAST EP3-80-RS-018 DATE 07 AUG 80 TIME 1956 GMT
LAT 00 00.2N LONG 107 30.6W

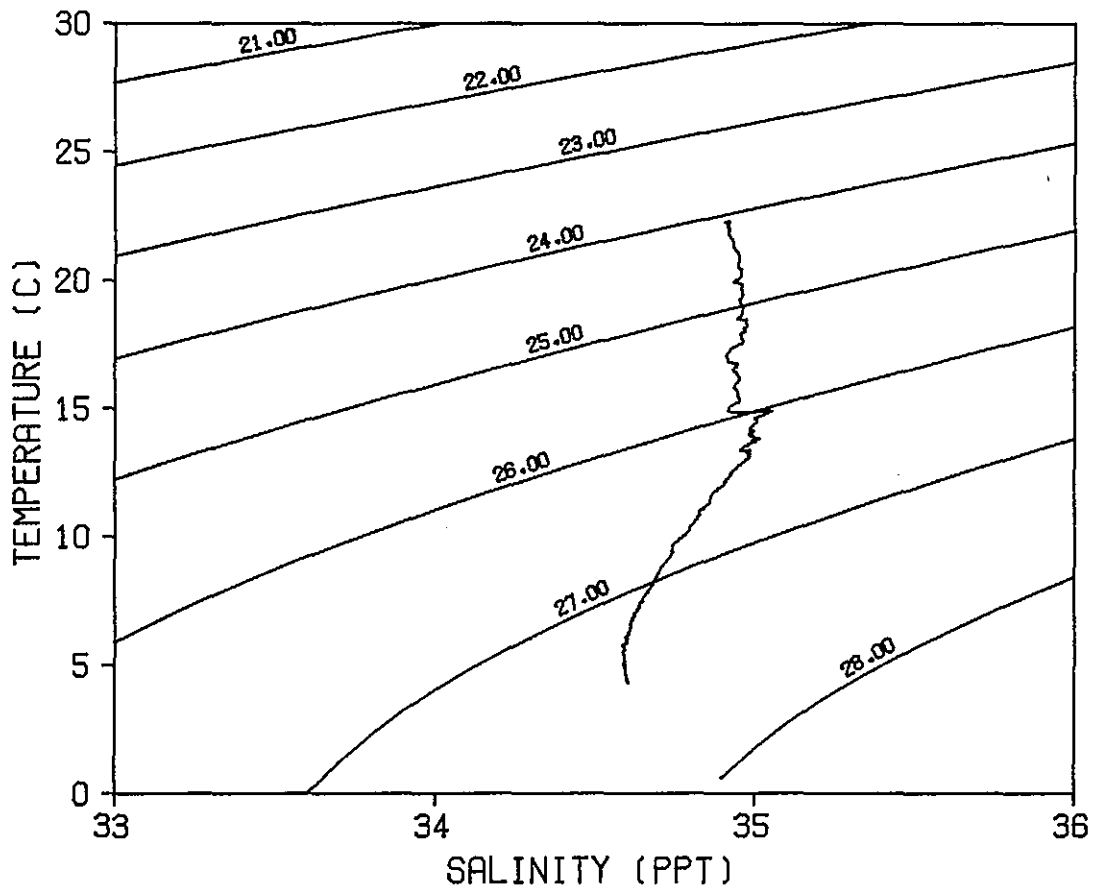


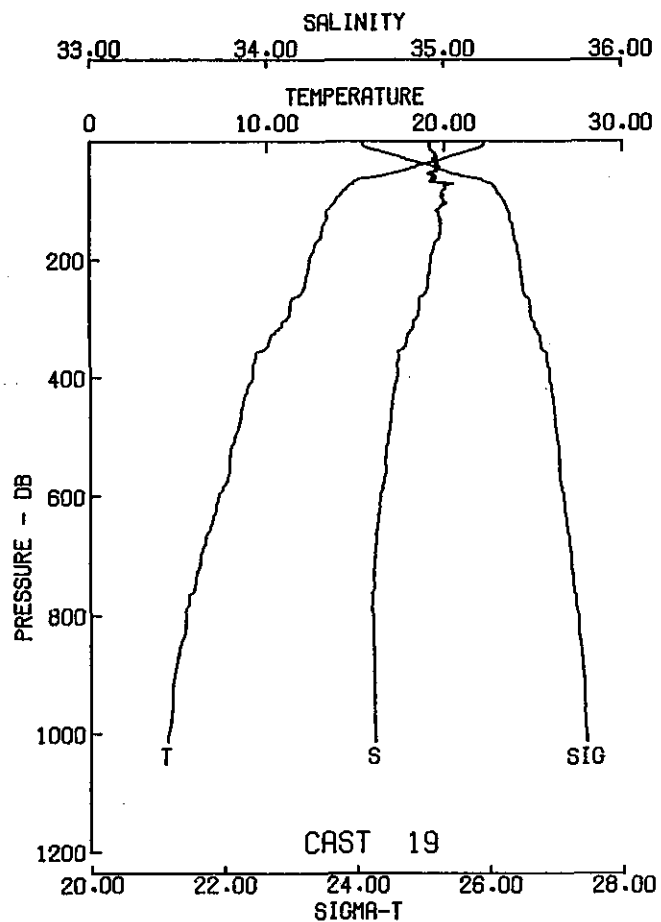


CAST EP3-80-RS-018 DATE 07 AUG 80 TIME 1956 GMT
 LAT 00 00.2N LONG 107 30.6W WEATHER 1 SEA STATE 2
 BAROMETER 12 WIND DIR 110 T SPD 08 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.5 WET 20.0 DEPTH M

DEPTH (M)	PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T (DYN M)	DELTA-SI (DYN M)
0.		21.735	34.935	24.260	0.000
1.		21.731	34.934	24.261	
10.		21.485	34.945	24.337	.037
20.		20.426	34.968	24.641	.071
30.		19.125	34.989	24.998	.103
40.		17.998	34.982	25.276	.131
50.		16.768	34.969	25.562	.157
60.		15.506	35.049	25.915	.180
70.		15.269	35.099	26.006	.201
80.		14.775	34.998	26.037	.221
90.		14.326	34.963	26.106	.240
100.		14.023	34.985	26.188	.259
110.		13.873	34.993	26.226	.278
120.		13.650	34.953	26.241	.296
130.		13.437	34.983	26.308	.314
140.		13.439	34.993	26.315	.331
150.		13.239	34.981	26.347	.349
160.		13.108	34.977	26.370	.366
170.		12.994	34.968	26.387	.383
180.		12.684	34.938	26.423	.400
190.		12.499	34.929	26.455	.416
200.		12.493	34.930	26.457	.433
250.		12.245	34.912	26.491	.514
300.		11.077	34.837	26.653	.593
350.		10.382	34.798	26.747	.664
400.		9.551	34.750	26.851	.731
450.		8.779	34.711	26.946	.793
500.		8.147	34.681	27.021	.852
550.		7.823	34.665	27.057	.908
600.		7.053	34.630	27.140	.962
650.		6.450	34.609	27.206	1.012
700.		6.004	34.602	27.259	1.060
750.		5.597	34.593	27.303	1.104
800.		5.274	34.590	27.340	1.147
850.		4.927	34.590	27.380	1.189
900.		4.639	34.596	27.418	1.228
950.		4.546	34.599	27.449	1.266
1000.		4.399	34.602	27.449	1.303
1014.		4.333	34.604	27.457	

CAST EP3-80-RS-019 DATE 08 AUG 80 TIME 0245 GMT
LAT 0 00.1S LONG 108 28.1W

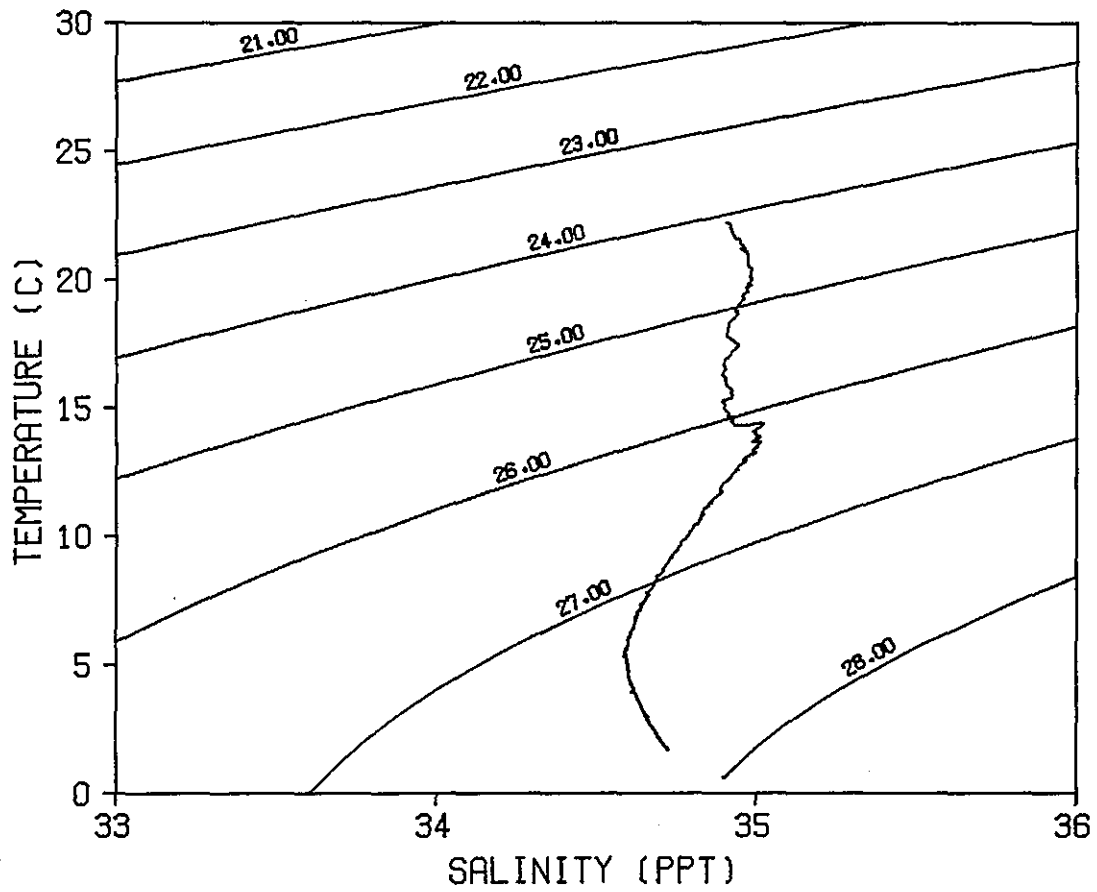


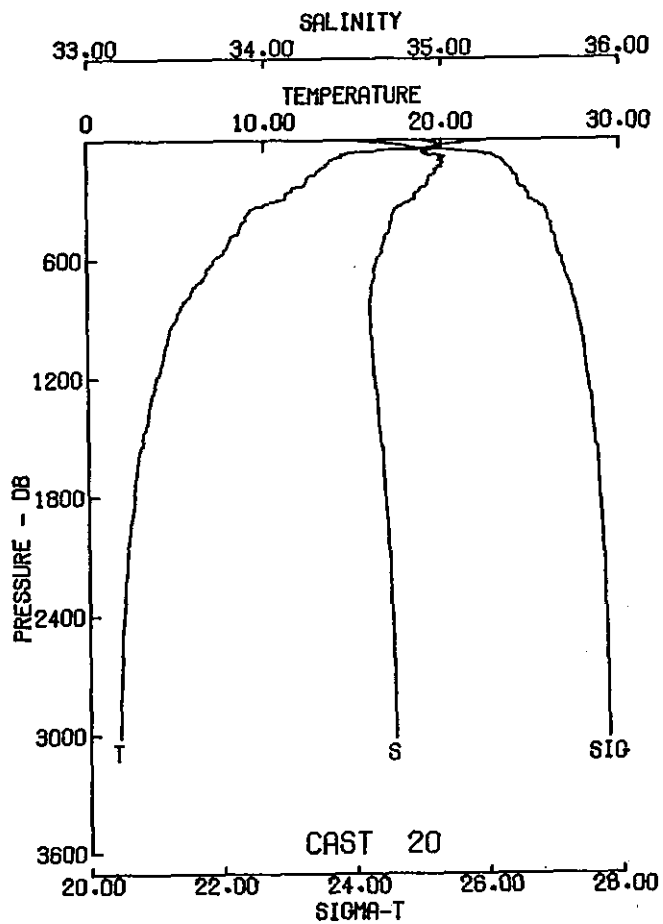


CAST EP3-80-RS-019 DATE 08 AUG 80 TIME 0245 GMT
 LAT 0 00.15 LONG 108 28.1W WEATHER 2 SEA STATE 2
 BAROMETER 14 WIND DIR 120 T SPD 09 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.4 WET 19.9 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	22.275	34.920	24.098	0.000
10.	22.058	34.918	24.157	.038
20.	20.977	34.949	24.479	.074
30.	19.934	34.933	24.745	.108
40.	18.624	34.959	25.102	.138
50.	17.572	34.962	25.365	.166
60.	16.160	34.955	25.693	.191
70.	14.869	34.990	26.010	.212
80.	14.466	35.006	26.110	.232
90.	14.150	34.992	26.167	.251
100.	13.881	34.999	26.228	.270
110.	13.628	34.986	26.271	.288
120.	13.340	34.967	26.315	.305
130.	13.367	34.976	26.317	.323
140.	13.190	34.979	26.356	.340
150.	13.109	34.980	26.373	.357
160.	13.035	34.975	26.384	.374
170.	12.791	34.947	26.411	.391
180.	12.662	34.942	26.433	.408
190.	12.517	34.931	26.453	.424
200.	12.388	34.924	26.473	.440
250.	12.066	34.906	26.521	.521
300.	11.133	34.843	26.647	.596
350.	9.982	34.775	26.798	.666
400.	9.149	34.732	26.903	.728
450.	8.578	34.701	26.971	.789
500.	8.149	34.682	27.022	.847
550.	7.825	34.667	27.058	.903
600.	7.227	34.634	27.123	.957
650.	6.779	34.619	27.170	1.008
700.	6.206	34.606	27.236	1.057
750.	5.900	34.599	27.270	1.103
800.	5.346	34.591	27.332	1.147
850.	5.058	34.595	27.369	1.189
900.	4.700	34.597	27.412	1.229
950.	4.576	34.600	27.427	1.267
1000.	4.371	34.602	27.452	1.267
1013.	4.323	34.605	27.460	1.305

CAST EP3-80-RS-020 DATE 08 AUG 80 TIME 1119 GMT
LAT 0 00.2S LONG 109 32.8W

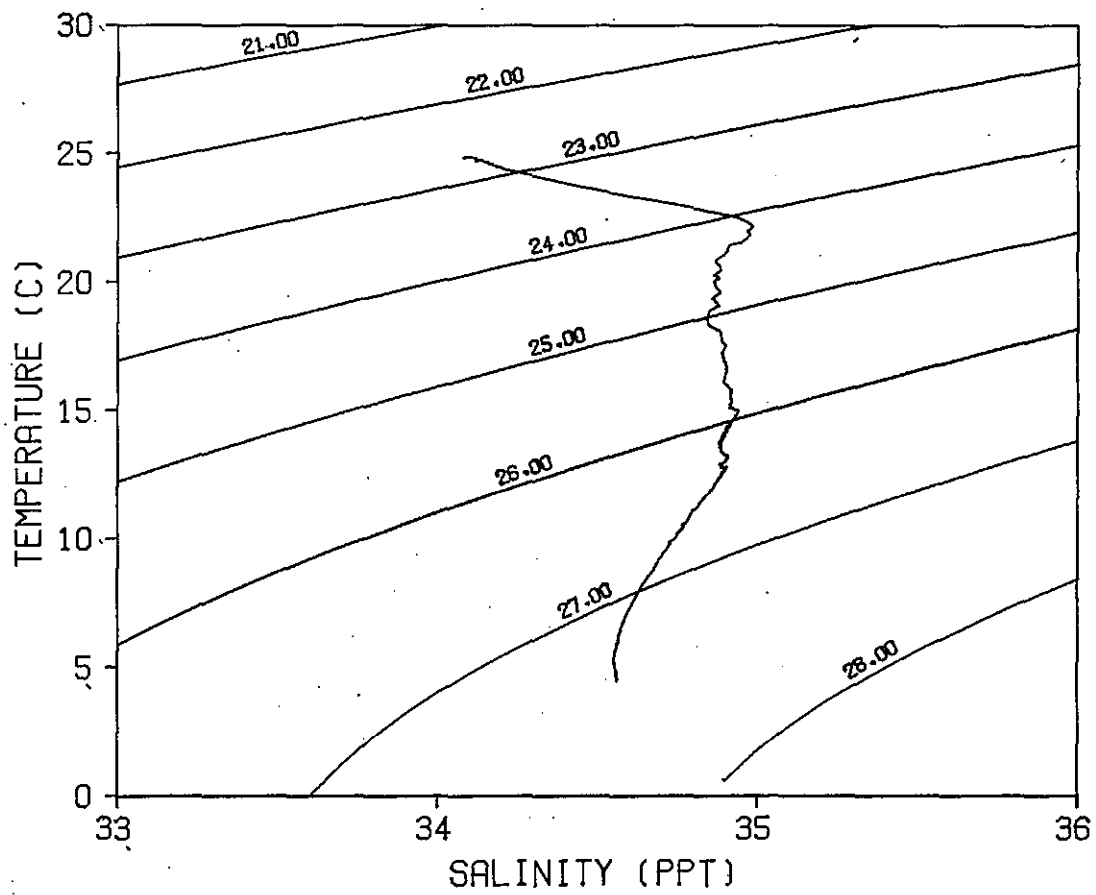




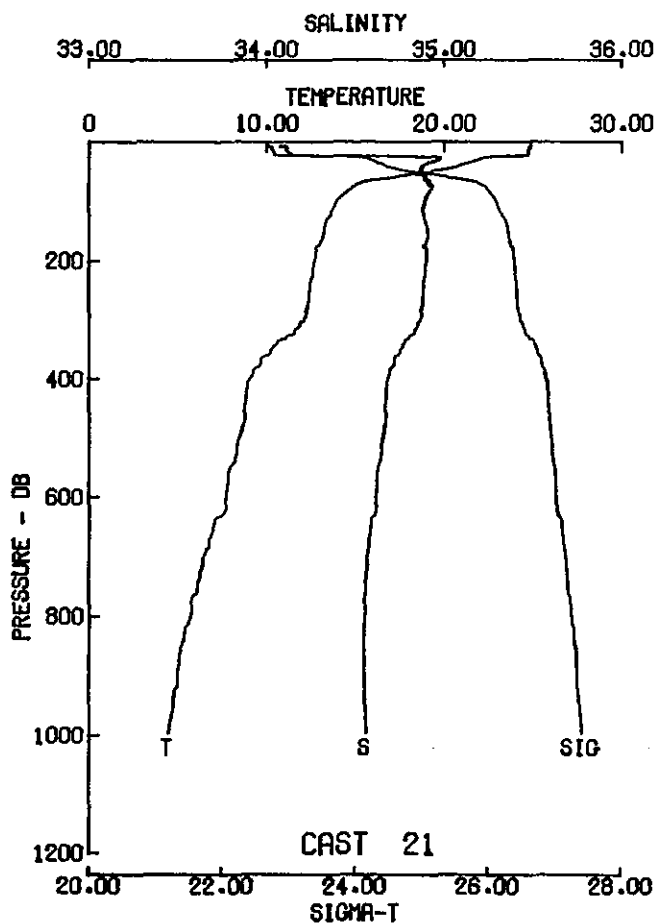
CAST EP3-80-RS-020 DATE 08 AUG 80 TIME 1119 GMT
 LAT 0 00.2S LONG 109 32.8W WEATHER 1 SEA STATE 3
 BAROMETER 15 WIND DIR 110 T SPD 09 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 22.0 WET 19.7 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	22.395	34.899	24.048	0.000
1.	22.238	34.903	24.096	
10.	21.402	34.950	24.364	.037
20.	20.499	34.975	24.627	.072
30.	19.792	34.984	24.821	.104
40.	18.987	34.940	24.996	.135
50.	17.017	34.915	25.462	.163
60.	15.412	34.925	25.840	.187
70.	14.638	34.927	26.011	.208
80.	14.353	34.981	26.115	.228
90.	14.198	35.003	26.164	.247
100.	13.867	35.012	26.241	.266
110.	13.693	35.006	26.273	.284
120.	13.609	35.009	26.293	.301
130.	13.483	35.002	26.314	.319
140.	13.205	34.992	26.362	.337
150.	13.113	34.973	26.367	.354
160.	12.961	34.965	26.391	.371
170.	12.895	34.964	26.403	.387
180.	12.587	34.936	26.443	.404
190.	12.421	34.926	26.468	.420
200.	12.381	34.924	26.474	.437
250.	11.571	34.878	26.594	.516
300.	11.132	34.841	26.646	.590
350.	9.261	34.736	26.888	.657
400.	8.940	34.723	26.930	.718
450.	8.586	34.704	26.971	.778
500.	8.060	34.677	27.031	.835
550.	7.825	34.663	27.055	.891
600.	7.124	34.633	27.133	.945
650.	6.764	34.619	27.172	.997
700.	6.461	34.613	27.208	1.046
750.	5.907	34.600	27.269	1.093
800.	5.598	34.595	27.304	1.138
850.	5.237	34.593	27.346	1.181
900.	5.003	34.596	27.376	1.222
950.	4.667	34.598	27.416	1.262
1000.	4.499	34.601	27.437	1.300
1500.	3.094	34.650	27.619	1.636
2000.	2.286	34.689	27.721	1.901
2500.	1.838	34.713	27.776	2.130
3000.	1.677	34.723	27.796	2.344
3015.	1.674	34.721	27.795	

CAST EP3-80-RS-021 DATE 10 AUG 80 TIME 2312 GMT
LAT 00 30.4N LONG 110 30.7W



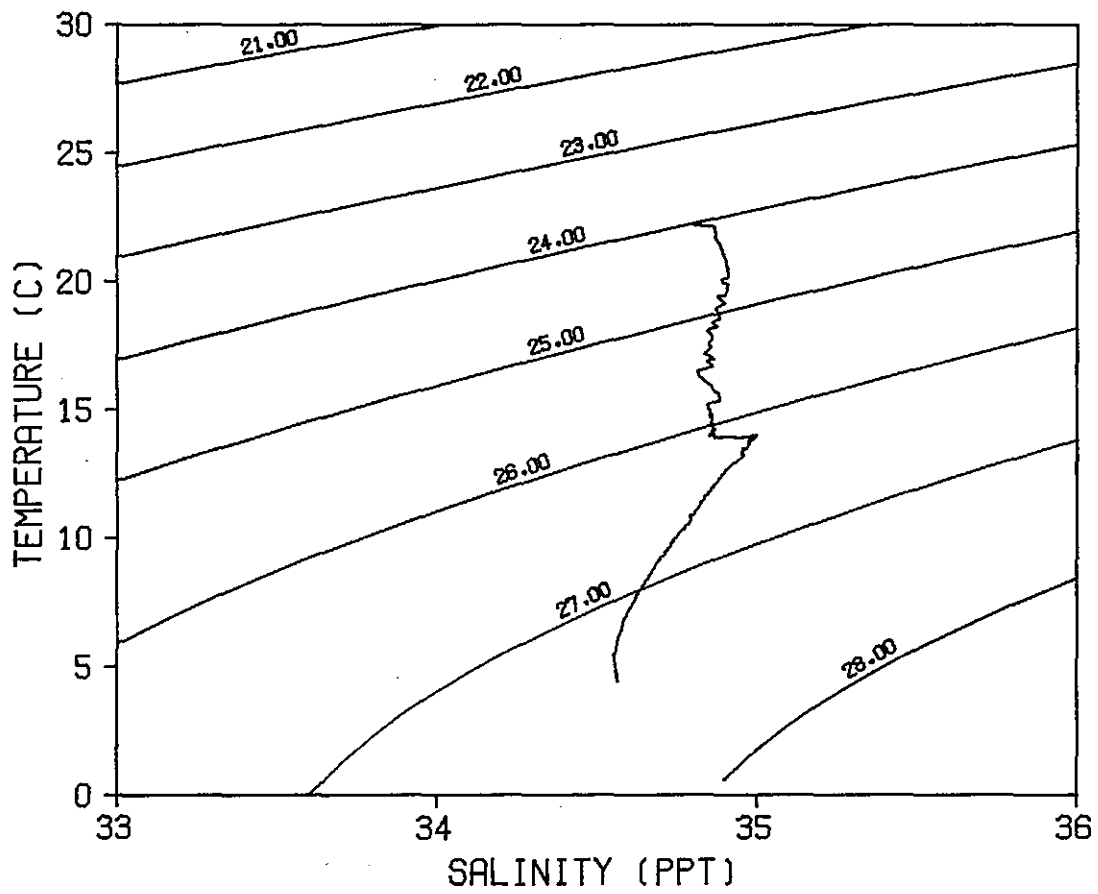
185

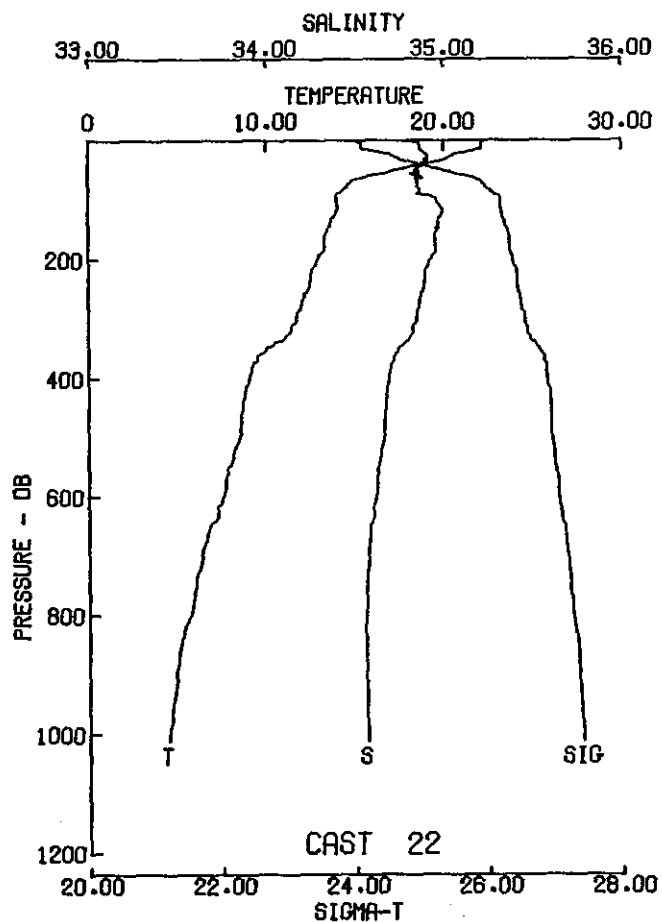


CAST EP3-80-RS-021 DATE 10 AUG 80 TIME 2312 GMT
 LAT 00 30.4N LONG 110 30.7W WEATHER 1 SEA STATE 2
 BAROMETER 12 WIND DIR 140 T SPD 12 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.7 WET 20.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
7.	24.882	34.078	22.700	
10.	24.820	34.117	22.748	.052
20.	24.750	34.138	22.785	.103
30.	21.971	34.967	24.219	.146
40.	20.916	34.876	24.440	.182
50.	19.367	34.857	24.835	.216
60.	17.278	34.889	25.380	.244
70.	15.244	34.913	25.868	.267
80.	14.738	34.933	25.995	.288
90.	14.331	34.912	26.066	.308
100.	13.990	34.892	26.123	.328
110.	13.819	34.890	26.157	.347
120.	13.633	34.882	26.190	.366
130.	13.386	34.890	26.247	.384
140.	13.263	34.899	26.279	.402
150.	13.231	34.909	26.293	.420
160.	13.161	34.909	26.307	.438
170.	13.005	34.898	26.330	.455
180.	12.799	34.902	26.375	.473
190.	12.783	34.903	26.379	.490
200.	12.709	34.899	26.390	.507
250.	12.442	34.886	26.433	.591
300.	12.105	34.865	26.482	.674
350.	10.287	34.757	26.731	.750
400.	9.099	34.685	26.875	.816
450.	8.791	34.672	26.914	.878
500.	8.489	34.656	26.949	.940
550.	7.987	34.632	27.007	.999
600.	7.777	34.621	27.030	1.057
650.	7.037	34.588	27.110	1.112
700.	6.498	34.569	27.168	1.164
750.	6.156	34.562	27.208	1.214
800.	5.745	34.555	27.255	1.261
850.	5.218	34.553	27.319	1.306
900.	5.026	34.553	27.333	1.349
950.	4.761	34.557	27.373	1.390
996.	4.489	34.561	27.406	

CAST EP3-80-RS-022 DATE 11 AUG 80 TIME 0709 GMT
LAT 0 00.3S LONG 109 54.4W

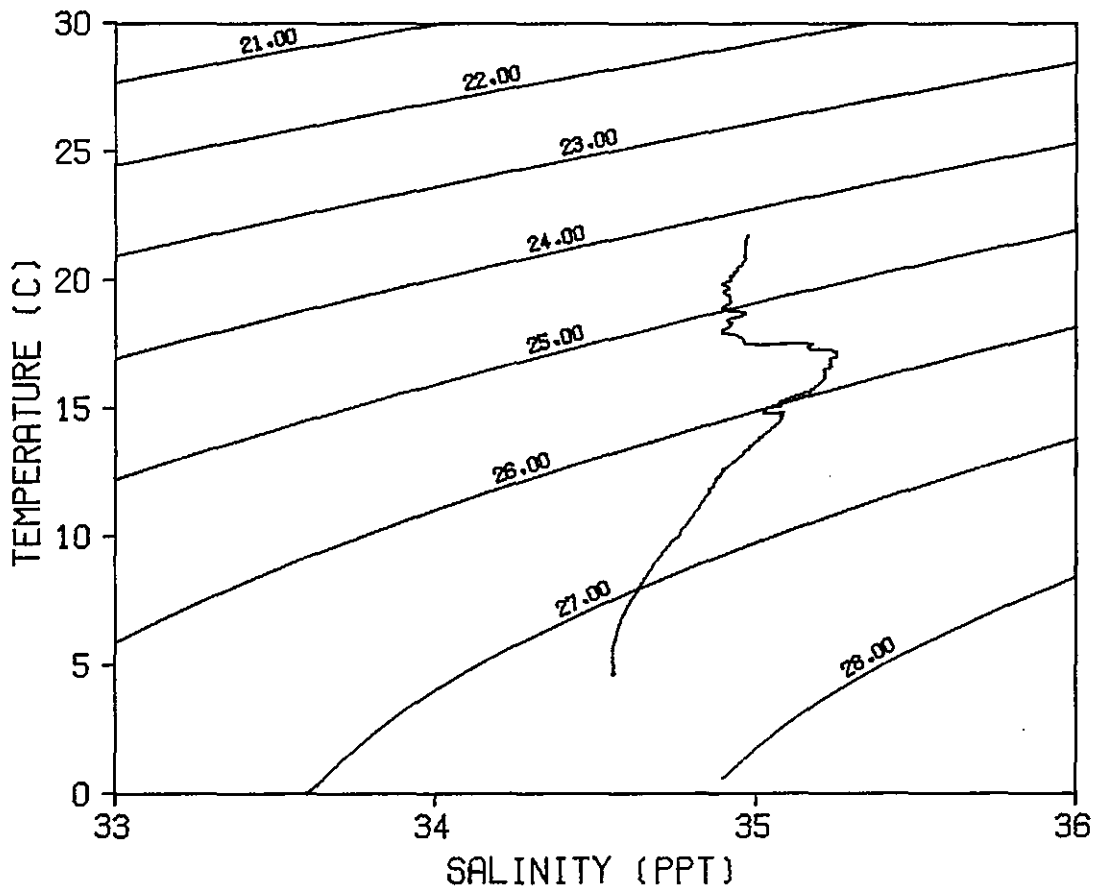


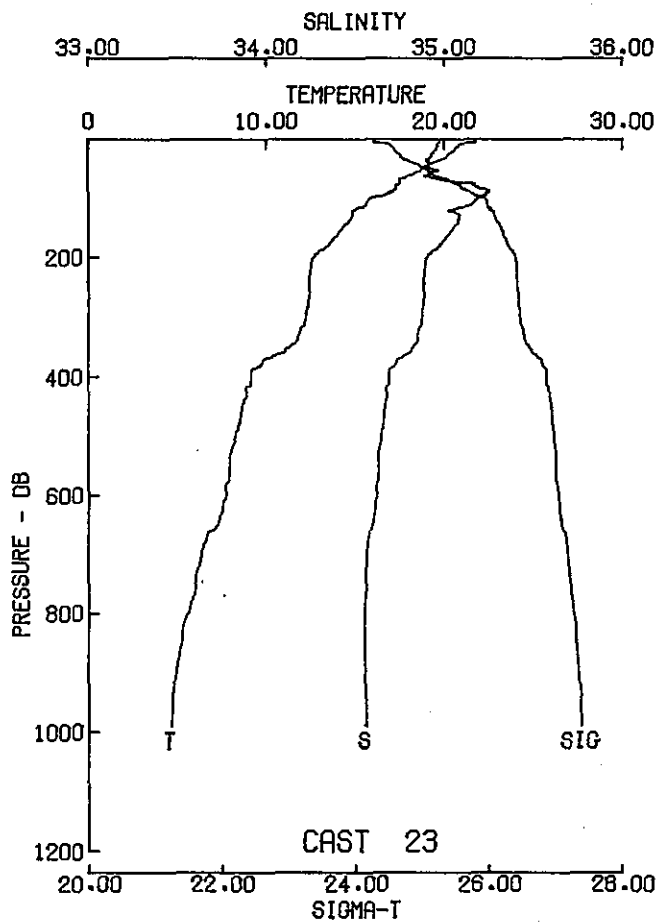


CAST EP3-80-RS-022 DATE 11 AUG 80 TIME 0709 GMT
 LAT 0 00.35 LONG 109 54.4W WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 130 T SPD 08 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.8 WET 21.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	22.224	34.788	24.012	0.000
2.	22.199	34.806	24.032	
10.	22.122	34.865	24.099	.039
20.	21.265	34.888	24.354	.076
30.	20.253	34.912	24.646	.110
40.	19.009	34.877	24.942	.142
50.	17.419	34.855	25.320	.171
60.	15.898	34.859	25.679	.196
70.	14.819	34.852	25.915	.218
80.	14.474	34.857	25.993	.239
90.	14.074	34.864	26.084	.259
100.	13.948	34.961	26.185	.278
110.	13.995	34.979	26.189	.297
120.	13.991	34.997	26.204	.315
130.	13.813	34.970	26.220	.334
140.	13.652	34.974	26.257	.352
150.	13.446	34.961	26.289	.370
160.	13.287	34.948	26.312	.388
170.	13.263	34.952	26.320	.405
180.	13.266	34.956	26.322	.423
190.	13.131	34.948	26.343	.440
200.	12.898	34.927	26.374	.458
250.	12.359	34.886	26.449	.541
300.	11.673	34.845	26.549	.622
350.	9.999	34.744	26.771	.697
400.	9.059	34.691	26.886	.761
450.	8.657	34.671	26.934	.822
500.	8.466	34.660	26.956	.883
550.	7.924	34.632	27.016	.942
600.	7.560	34.617	27.058	.998
650.	7.580	34.582	27.140	1.052
700.	6.343	34.573	27.192	1.102
750.	6.010	34.563	27.227	1.151
800.	5.695	34.558	27.263	1.198
850.	5.119	34.557	27.331	1.242
900.	4.884	34.559	27.360	1.283
950.	4.669	34.562	27.387	1.324
1000.	4.471	34.564	27.411	1.364
1011.	4.455	34.566	27.414	

CAST EP3-80-RS-023 DATE 12 AUG 80 TIME 0049 GMT
LAT 0 27.6S LONG 109 58.8W

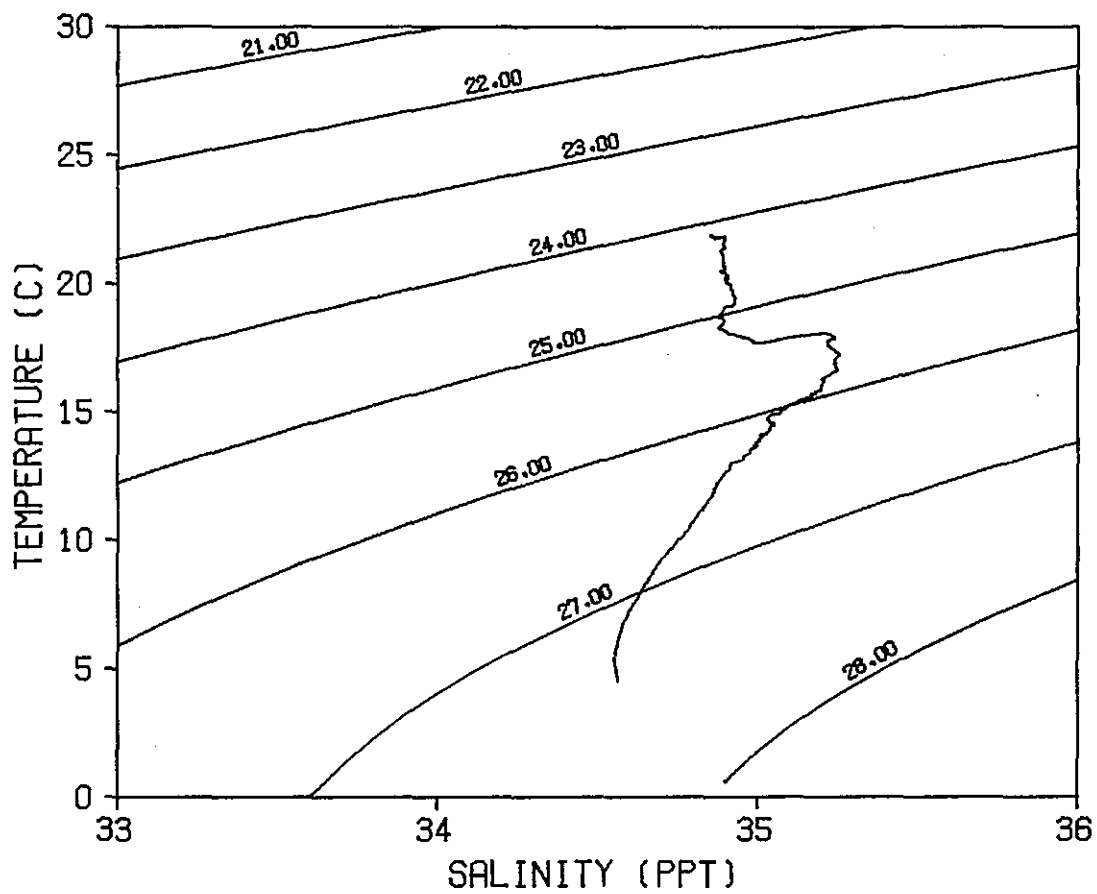


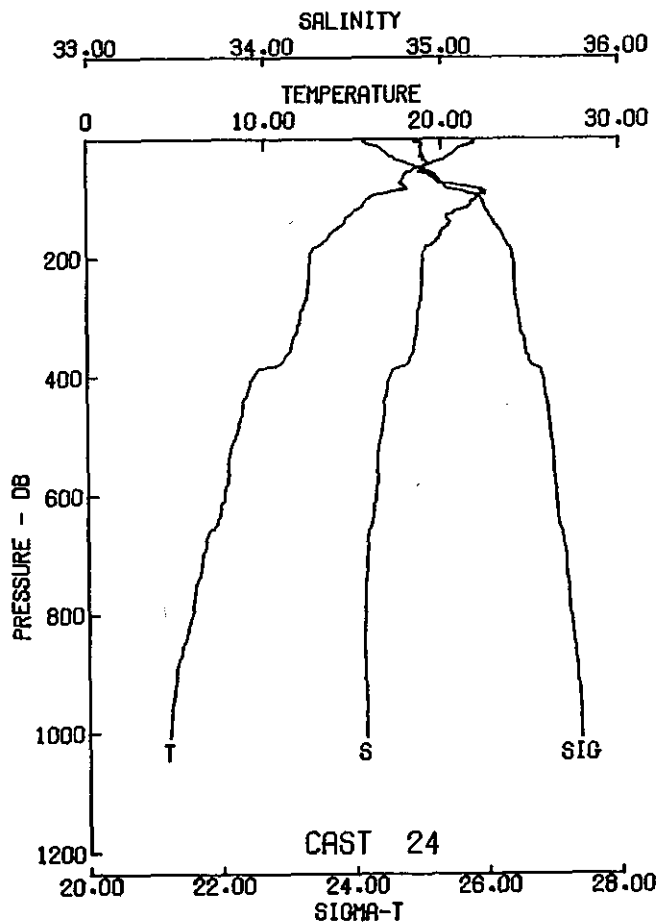


CAST EP3-80-RS-023 DATE 12 AUG 80 TIME 0049 GMT
 LAT 0 27.55 LNDG 109 58.8W WEATHER 0 SEA STATE 0
 BAROMETER 13 WIND DIR 000 T SPD 00 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.0 WET 20.5 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	23.531	34.998	23.796	0.000
5.	21.754	34.974	24.285	
10.	20.838	34.966	24.529	.037
20.	20.523	34.944	24.598	.071
30.	20.172	34.923	24.675	.104
40.	19.443	34.907	24.853	.136
50.	18.832	34.911	25.013	.166
60.	18.325	34.924	25.150	.195
70.	17.502	34.952	25.404	.233
80.	17.308	35.176	25.592	.248
90.	17.099	35.254	25.702	.272
100.	15.948	35.197	25.927	.294
110.	15.612	35.159	25.975	.315
120.	15.014	35.035	26.013	.336
130.	14.837	35.086	26.091	.355
140.	14.630	35.080	26.132	.375
150.	14.283	35.053	26.185	.394
160.	14.051	35.031	26.218	.413
170.	13.740	35.002	26.260	.431
180.	13.485	34.978	26.295	.449
190.	12.967	34.933	26.365	.467
200.	12.685	34.906	26.401	.484
250.	12.437	34.889	26.436	.527
300.	12.207	34.874	26.470	.550
350.	11.308	34.827	26.603	.730
400.	9.155	34.652	26.871	.978
450.	8.619	34.664	26.935	.860
500.	8.246	34.645	26.978	.920
550.	7.950	34.632	27.012	.979
600.	7.700	34.619	27.039	1.036
650.	7.241	34.597	27.088	1.091
700.	6.362	34.565	27.183	1.143
750.	6.006	34.560	27.225	1.191
800.	5.548	34.550	27.274	1.236
850.	5.231	34.551	27.314	1.282
900.	4.945	34.553	27.351	1.324
950.	4.699	34.557	27.380	1.365
989.	4.639	34.559	27.368	

CAST EP3-80-RS-024 DATE 12 AUG 80 TIME 2323 GMT
LAT 0 30.8S LONG 110 29.8W

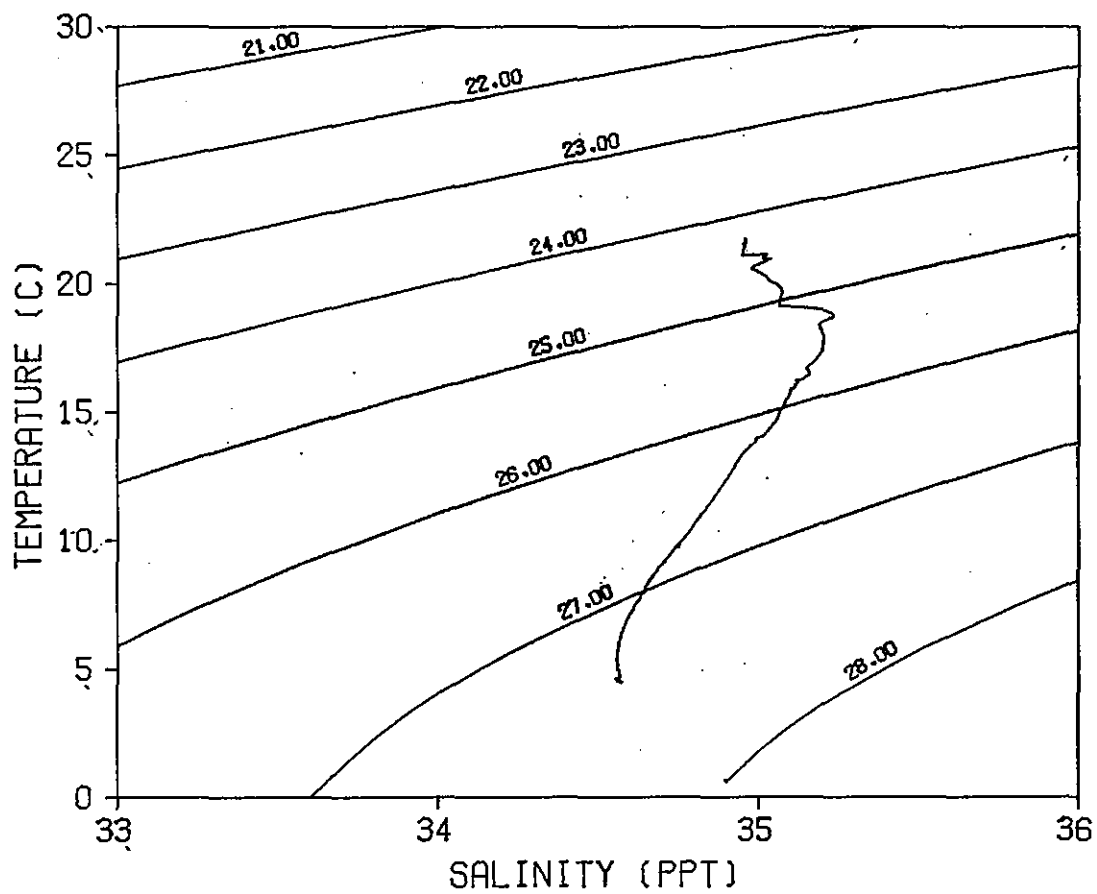




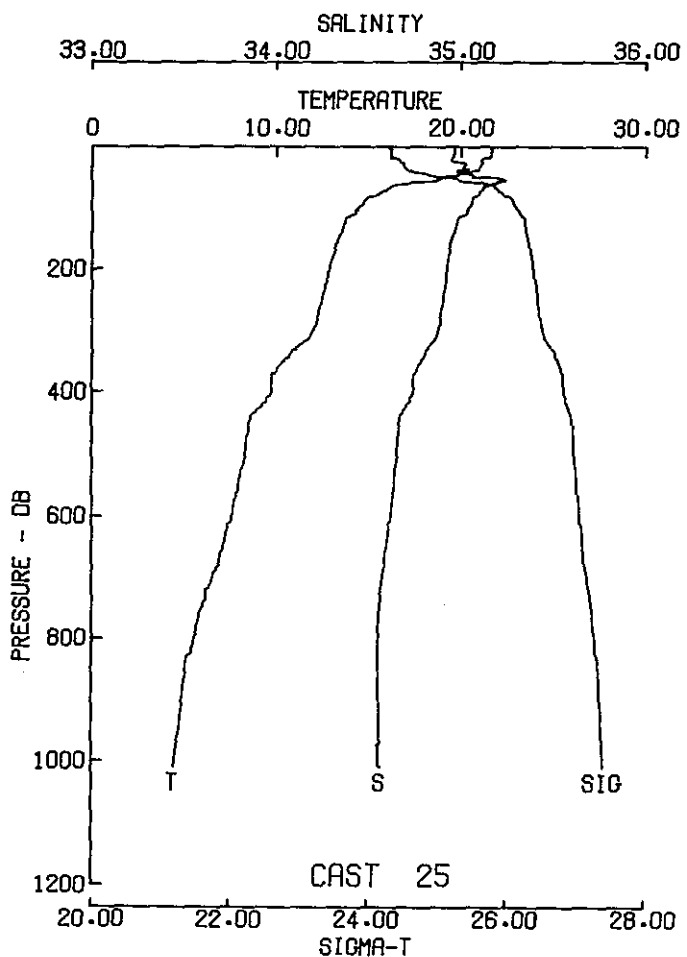
CAST EP3-80-RS-024 DATE 12 AUG 80 TIME 2323 GMT
 LAT 0 30.8S LONG 110 29.8W WEATHER 1 SEA STATE 2
 BAROMETER 14 WIND DIR 100 T SPD 12 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.0 WET 20.5 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	21.857	34.793	24.118	0.000
4.	21.877	34.853	24.158	
10.	21.528	34.891	24.284	.037
20.	20.820	34.889	24.476	.073
30.	20.414	34.895	24.589	.107
40.	19.638	34.920	24.813	.140
50.	18.533	34.893	25.074	.170
60.	17.971	34.934	25.246	.199
70.	17.815	34.974	25.314	.226
80.	18.008	35.152	25.403	.252
90.	17.091	35.245	25.697	.277
100.	15.982	35.200	25.922	.299
110.	15.617	35.165	25.978	.320
120.	15.268	35.099	26.005	.341
130.	14.749	35.032	26.069	.361
140.	14.550	35.052	26.127	.381
150.	14.200	35.029	26.184	.400
160.	13.756	34.995	26.252	.418
170.	13.528	34.977	26.285	.436
180.	13.109	34.946	26.346	.454
190.	12.676	34.903	26.400	.471
200.	12.571	34.894	26.413	.488
250.	12.429	34.886	26.435	.571
300.	12.019	34.864	26.497	.654
350.	11.478	34.840	26.581	.733
400.	9.368	34.706	26.848	.805
450.	8.723	34.670	26.923	.868
500.	8.354	34.652	26.967	.929
550.	7.953	34.634	27.013	.987
600.	7.691	34.621	27.042	1.044
650.	7.235	34.598	27.089	1.099
700.	6.418	34.569	27.179	1.151
750.	6.044	34.560	27.220	1.200
800.	5.818	34.557	27.247	1.248
850.	5.347	34.551	27.299	1.293
900.	4.947	34.557	27.352	1.336
950.	4.700	34.561	27.383	1.377
1000.	4.575	34.562	27.397	1.417
1008.	4.543	34.562	27.402	

CAST EP3-80-RS-025 DATE 13 AUG 80 TIME 0430 GMT
LAT 1 00.2S LONG 109 59.7W

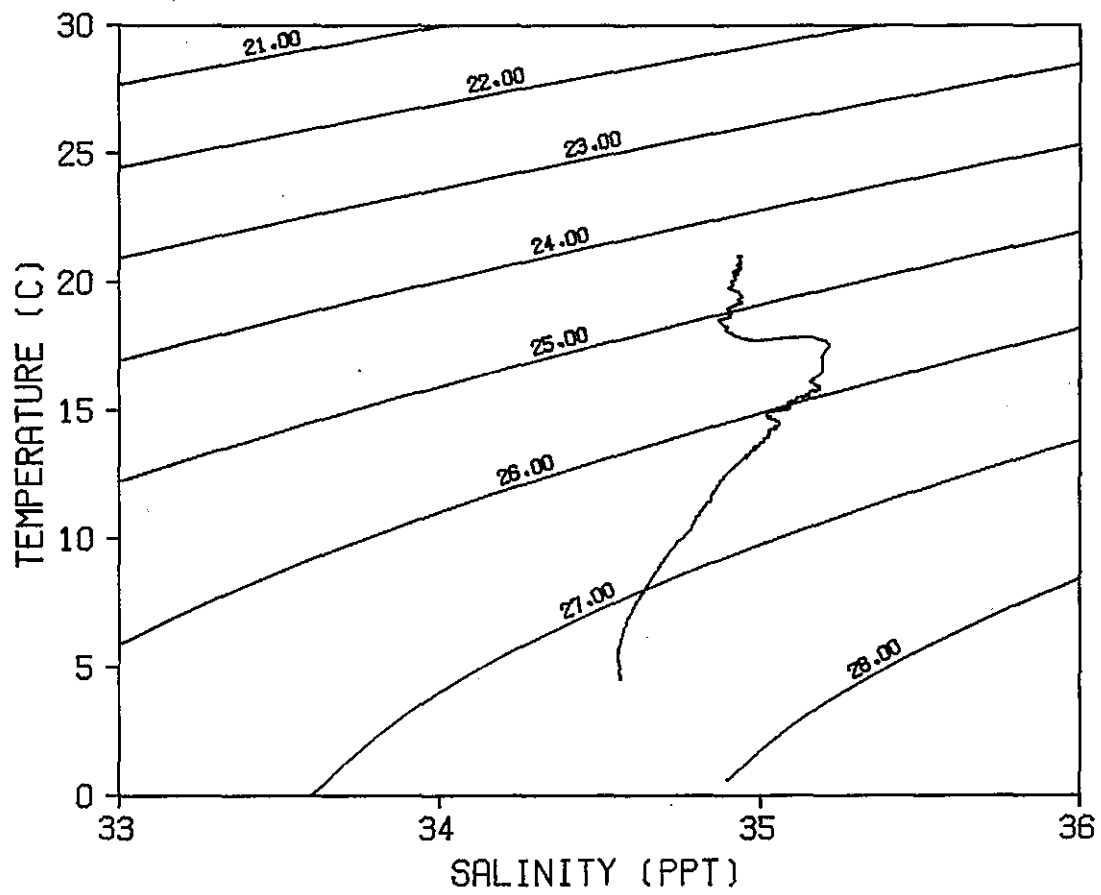


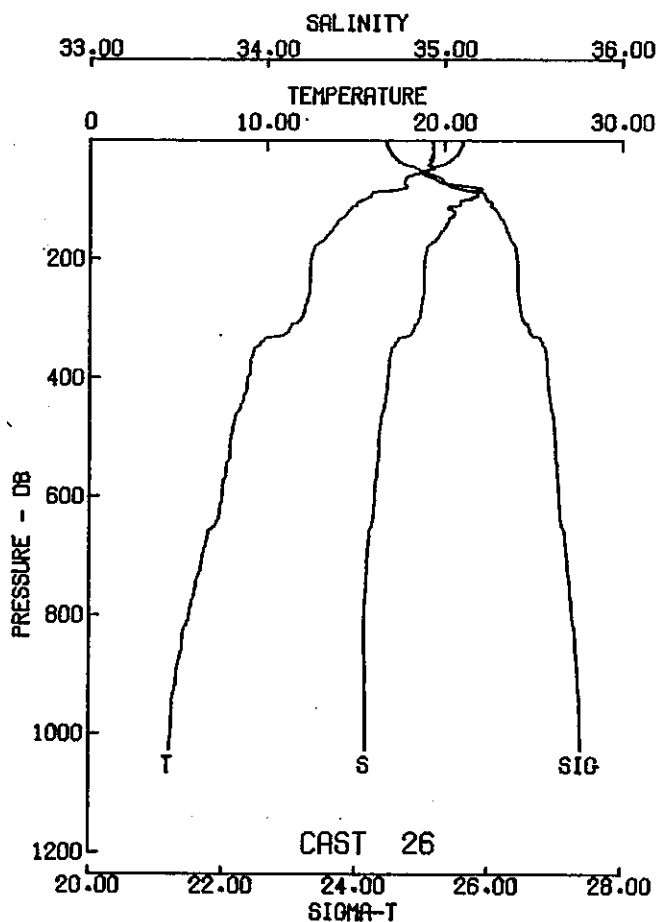
CAST EP3-80-RS-025 DATE 13 AUG 80 TIME 0430 GMT
 LAT 1 00.25 LONG 109 59.7W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 110 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 20.5 WET 20.0 DEPTH M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	21.746	34.957	24.274	0.000
2.	21.724	34.958	24.281	
10.	21.633	34.961	24.308	.036
20.	21.206	34.950	24.417	.072
30.	21.118	35.026	24.499	.107
40.	20.642	34.980	24.593	.142
50.	19.122	35.063	25.055	.173
60.	17.111	35.186	25.647	.200
70.	16.037	35.116	25.845	.222
80.	15.463	35.087	25.953	.244
90.	14.739	35.057	26.090	.264
100.	14.476	35.043	26.136	.283
110.	14.255	35.027	26.171	.302
120.	13.720	34.978	26.245	.321
130.	13.636	34.972	26.258	.339
140.	13.354	34.965	26.271	.357
150.	13.359	34.950	26.299	.375
160.	13.222	34.942	26.320	.392
170.	13.153	34.938	26.331	.410
180.	13.028	34.931	26.351	.427
190.	12.936	34.926	26.366	.444
200.	12.883	34.925	26.376	.462
250.	12.470	34.903	26.441	.546
300.	12.007	34.877	26.510	.628
350.	10.425	34.786	26.730	.703
400.	9.728	34.739	26.813	.770
450.	8.551	34.666	26.947	.833
500.	8.354	34.656	26.970	.893
550.	7.986	34.641	27.014	.951
600.	7.628	34.623	27.052	1.008
650.	7.154	34.600	27.103	1.063
700.	6.576	34.577	27.164	1.115
750.	5.987	34.561	27.229	1.164
800.	5.575	34.556	27.276	1.210
850.	5.115	34.558	27.333	1.254
900.	4.940	34.560	27.355	1.296
950.	4.767	34.563	27.377	1.337
1000.	4.509	34.559	27.402	1.377
1009.	4.475	34.571	27.416	

CAST EP3-80-RS-026 DATE 13 AUG 80 TIME 1057 GMT
LAT 0 28.6S LONG 109 57.6W

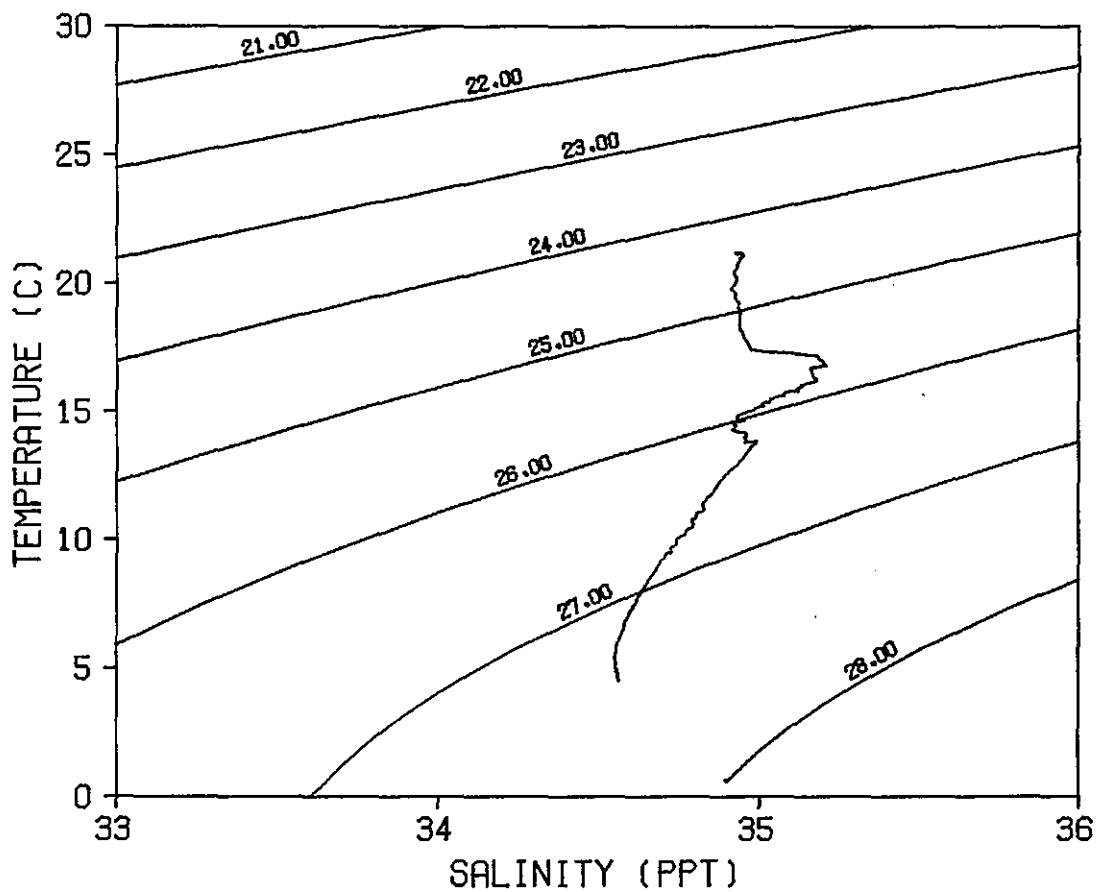


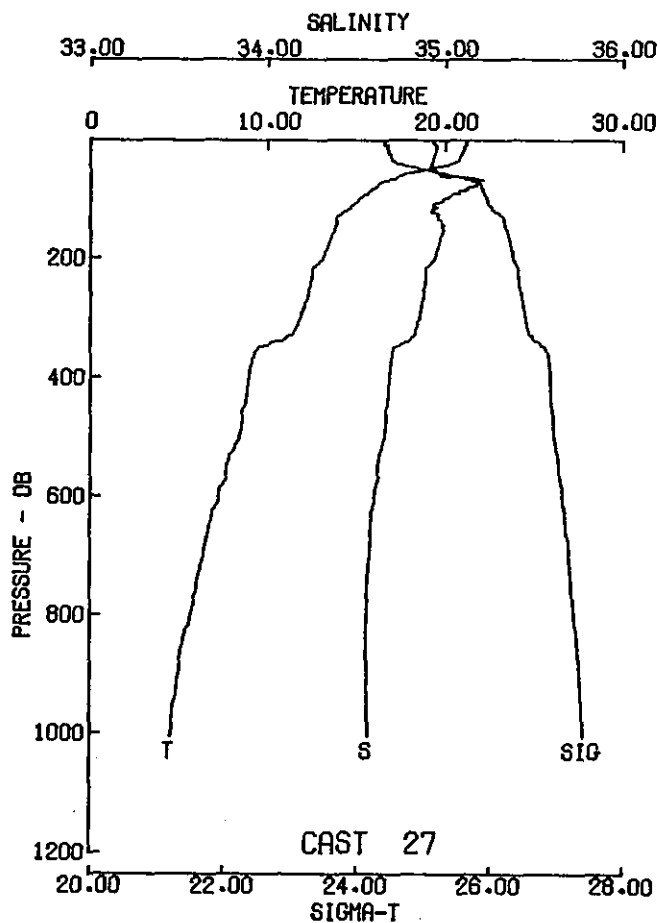


CAST EP3-80-RS-026 DATE 13 AUG 80 TIME 1057 GMT
 LAT 0 28.65 LONG 109 57.6W WEATHER 1 SEA STATE 2
 BAROMETER 14 WIND DIR 100 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 22.0 WET 20.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	21.007	34.923	24.451	0.000
3.	21.007	34.928	24.455	
10.	20.981	34.936	24.468	.035
20.	20.762	34.936	24.527	.069
30.	20.512	34.932	24.592	.103
40.	20.034	34.911	24.702	.137
50.	18.964	34.896	24.968	.168
60.	18.068	34.899	25.195	.197
70.	17.738	34.969	25.329	.224
80.	17.736	35.200	25.506	.250
90.	15.901	35.183	25.927	.273
100.	15.495	35.119	25.970	.294
110.	15.036	35.083	26.045	.314
120.	14.556	35.056	26.129	.334
130.	14.273	35.040	26.177	.353
140.	13.898	35.011	26.234	.372
150.	13.680	34.997	26.269	.390
160.	13.401	34.967	26.303	.408
170.	13.107	34.944	26.345	.425
180.	12.664	34.903	26.402	.442
190.	12.555	34.894	26.417	.459
200.	12.479	34.889	26.428	.476
250.	12.401	34.886	26.441	.559
300.	11.918	34.857	26.512	.641
350.	9.319	34.704	26.854	.713
400.	8.916	34.682	26.902	.776
450.	8.519	34.663	26.950	.837
500.	8.004	34.635	27.006	.895
550.	7.721	34.623	27.040	.952
600.	7.481	34.611	27.065	1.008
650.	7.075	34.593	27.108	1.062
700.	6.399	34.569	27.182	1.113
750.	6.006	34.563	27.228	1.162
800.	5.648	34.553	27.265	1.209
850.	5.255	34.553	27.313	1.253
900.	4.942	34.559	27.354	1.296
950.	4.693	34.560	27.383	1.337
1000.	4.637	34.561	27.390	1.377
1027.	4.542	34.562	27.402	

CAST EP3-80-RS-027 DATE 13 AUG 80 TIME 1803 GMT
LAT 00 01.3N LONG 109 53.8W

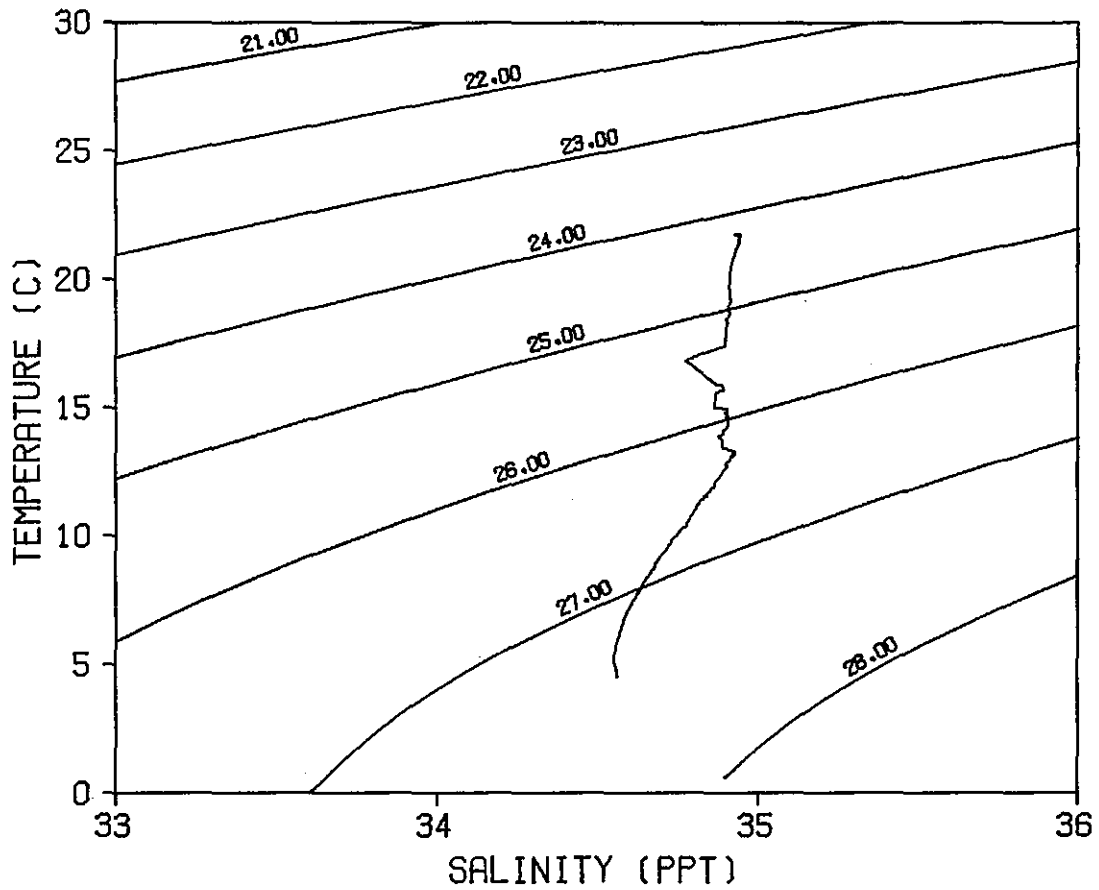


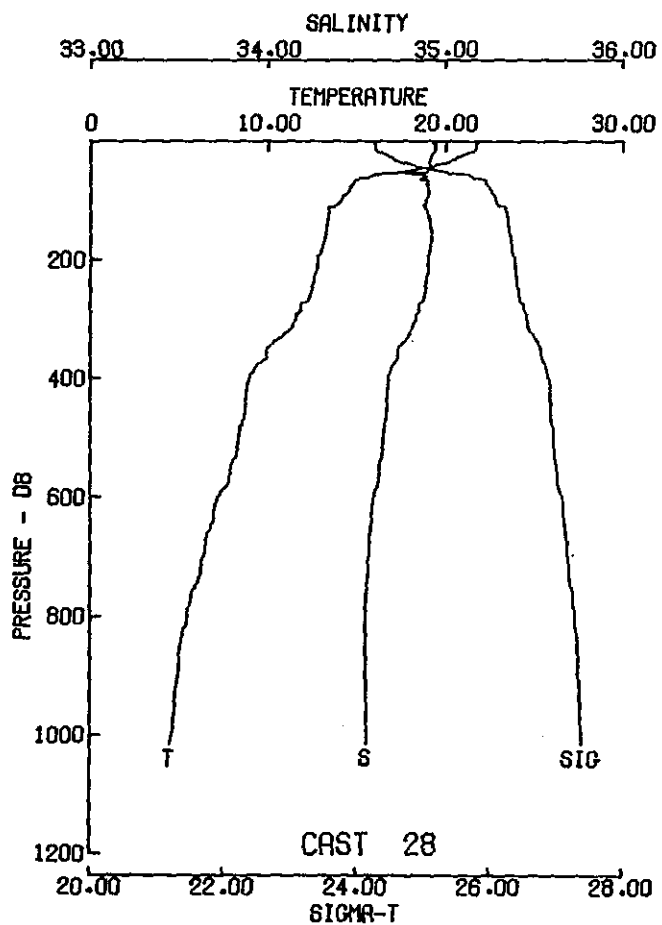


CAST EP3-80-RS-027 DATE 13 AUG 80 TIME 1803 GMT
 LAT 00 01.3N LONG 109 53.8W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 120 T SPD 08 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 22.0 WET 20.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	21.160	34.917	24.405	0.000
4.	21.168	34.932	24.414	
10.	21.071	34.950	24.454	.035
20.	20.982	34.945	24.475	.070
30.	20.812	34.933	24.511	.105
40.	20.434	34.922	24.605	.139
50.	18.937	34.936	25.005	.170
60.	17.532	34.968	25.379	.198
70.	16.512	35.163	25.771	.222
80.	16.055	35.131	25.853	.244
90.	15.632	35.074	25.905	.266
100.	15.156	34.992	25.948	.287
110.	14.793	34.927	25.978	.308
120.	14.428	34.926	26.056	.328
130.	13.921	34.958	26.188	.348
140.	13.861	34.979	26.217	.366
150.	13.778	34.987	26.241	.384
160.	13.617	34.976	26.266	.403
170.	13.471	34.955	26.288	.421
180.	13.351	34.958	26.306	.438
190.	13.162	34.945	26.335	.456
200.	13.080	34.938	26.347	.474
250.	12.338	34.882	26.450	.558
300.	11.793	34.853	26.532	.639
350.	9.475	34.713	26.835	.714
400.	8.922	34.684	26.903	.776
450.	8.643	34.671	26.936	.838
500.	8.382	34.654	26.964	.898
550.	7.680	34.619	27.042	.956
600.	7.222	34.599	27.092	1.011
650.	6.706	34.581	27.150	1.063
700.	6.364	34.572	27.189	1.113
750.	5.997	34.561	27.227	1.162
800.	5.645	34.556	27.267	1.208
850.	5.210	34.555	27.319	1.253
900.	4.961	34.556	27.349	1.295
950.	4.681	34.560	27.384	1.336
1000.	4.526	34.563	27.404	1.376
1005.	4.500	34.563	27.407	

CAST EP3-80-RS-028 DATE 14 AUG 80 TIME 0729 GMT
LAT 00 32.7N LONG 109 58.6W

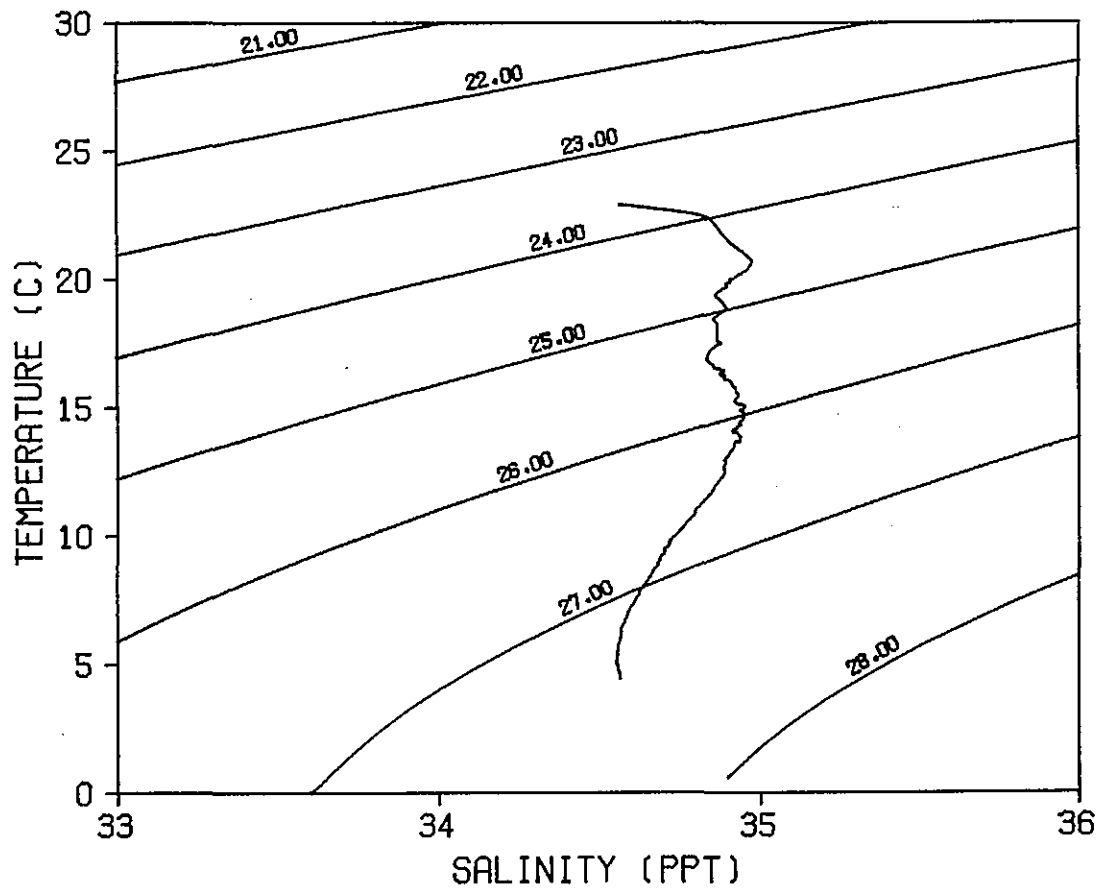


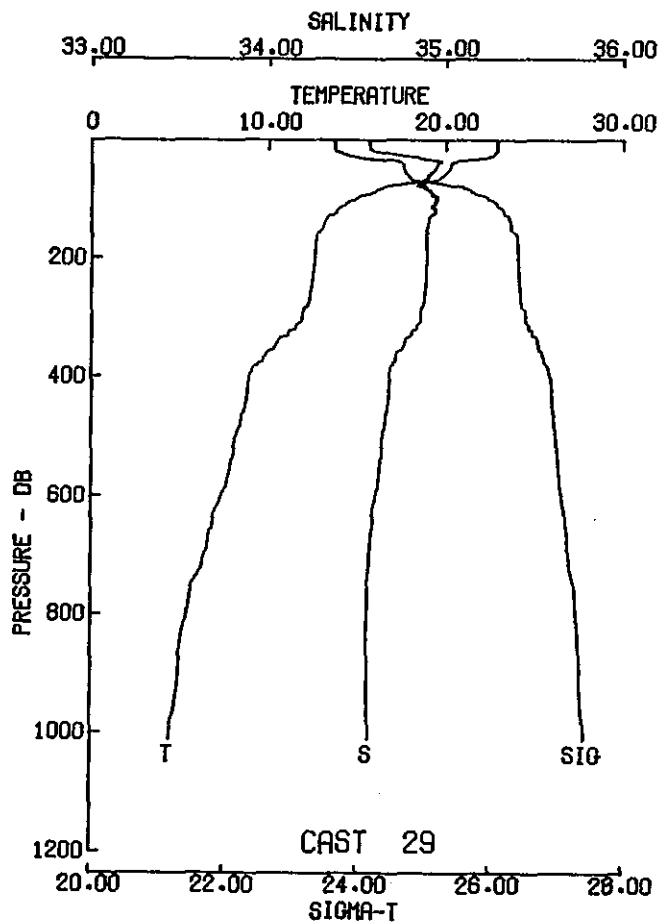


CAST EP3-80-RS-028 DATE 14 AUG 80 TIME 0729 GMT
 LAT 00 32.7N LONG 109 58.6W WEATHER 1 SEA STATE 2
 BARMETER 14 WIND DIR 140 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.2 WET 19.5 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	21.799	34.931	24.239	0.000
3.	21.753	34.942	24.260	
10.	21.708	34.942	24.273	.037
20.	21.302	34.933	24.378	.073
30.	20.596	34.919	24.559	.108
40.	19.611	34.910	24.812	.141
50.	18.197	34.900	25.164	.171
60.	15.794	34.889	25.727	.196
70.	14.842	34.903	25.949	.218
80.	14.591	34.901	26.001	.239
90.	14.385	34.905	26.049	.259
100.	14.145	34.889	26.088	.279
110.	13.789	34.884	26.159	.298
120.	13.421	34.896	26.244	.316
130.	13.361	34.907	26.265	.334
140.	13.325	34.915	26.279	.352
150.	13.294	34.923	26.291	.370
160.	13.214	34.917	26.302	.388
170.	13.140	34.922	26.321	.405
180.	13.054	34.915	26.334	.423
190.	12.968	34.911	26.347	.440
200.	12.796	34.901	26.374	.456
250.	12.465	34.887	26.429	.542
300.	11.566	34.835	26.561	.623
350.	9.958	34.737	26.773	.697
400.	8.974	34.681	26.892	.762
450.	8.713	34.671	26.926	.824
500.	8.356	34.632	26.966	.884
550.	7.944	34.632	27.013	.943
600.	7.171	34.597	27.098	.999
650.	6.786	34.581	27.139	1.052
700.	6.392	34.572	27.185	1.102
750.	5.939	34.561	27.234	1.151
800.	5.445	34.552	27.289	1.196
850.	5.077	34.552	27.333	1.240
900.	4.988	34.555	27.345	1.282
950.	4.766	34.559	27.374	1.323
1000.	4.604	34.560	27.393	1.364
1014.	4.523	34.561	27.402	

CAST EP3-80-RS-029 DATE 14 AUG 80 TIME 1223 GMT
LAT 01 00.0N LONG 110 02.2W

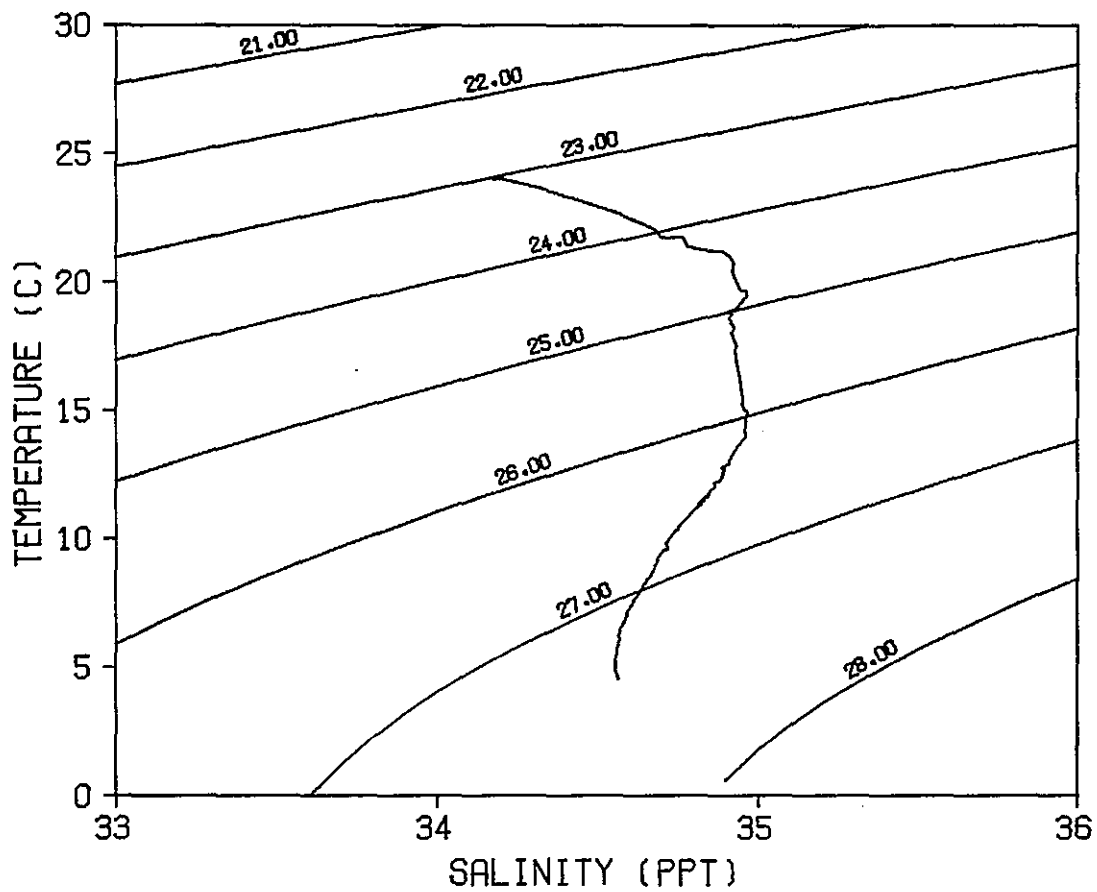


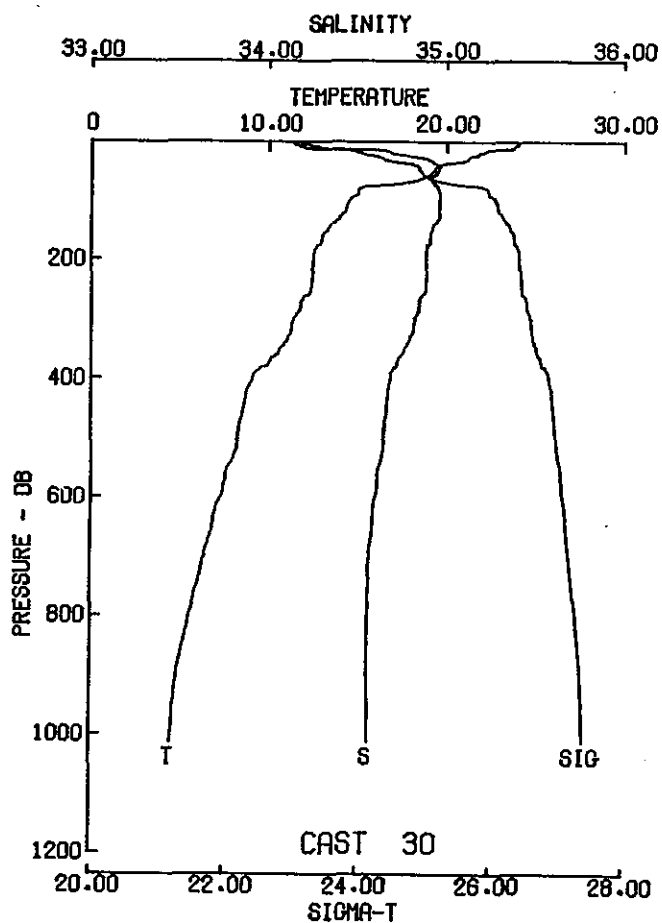


CAST EP3-80-RS-029 DATE 14 AUG 80 TIME 1223 GMT
 LAT 01 00.0N LONG 110 02.2W WEATHER 2 SEA STATE 3
 BAROMETER 14 WIND DIR 180 T SPD 15 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 22.1 WET 21.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	22.917	34.566	23.647	0.000
3.	22.911	34.567	23.649	
10.	22.899	34.569	23.655	.043
20.	22.892	34.613	23.701	.085
30.	22.410	34.841	24.000	.126
40.	20.301	34.953	24.663	.162
50.	20.159	34.934	24.687	.194
60.	19.846	34.897	24.741	.227
70.	19.160	34.879	24.903	.259
80.	16.443	34.890	25.578	.286
90.	15.858	34.914	25.731	.310
100.	14.960	34.947	25.957	.332
110.	14.310	34.937	26.090	.352
120.	13.843	34.939	26.190	.371
130.	13.330	34.910	26.273	.390
140.	13.156	34.902	26.303	.407
150.	13.062	34.893	26.315	.425
160.	12.682	34.887	26.387	.442
170.	12.617	34.886	26.399	.459
180.	12.585	34.889	26.407	.476
190.	12.573	34.890	26.410	.493
200.	12.559	34.891	26.413	.509
250.	12.396	34.886	26.442	.593
300.	11.842	34.855	26.524	.674
350.	10.338	34.759	26.724	.750
400.	8.894	34.681	26.905	.815
450.	8.652	34.670	26.935	.877
500.	8.165	34.646	26.991	.936
550.	7.820	34.627	26.028	.994
600.	7.344	34.607	27.081	1.050
650.	6.811	34.586	27.139	1.102
700.	6.372	34.570	27.186	1.153
750.	5.674	34.560	27.267	1.201
800.	5.388	34.557	27.300	1.246
850.	5.058	34.555	27.338	1.289
900.	4.926	34.558	27.355	1.330
950.	4.764	34.560	27.375	1.372
1000.	4.453	34.566	27.414	1.411
1012.	4.424	34.565	27.417	

CAST EP3-80-RS-030 DATE 14 AUG 80 TIME 1657 GMT
LAT 01 30.1N LONG 110 00.5W

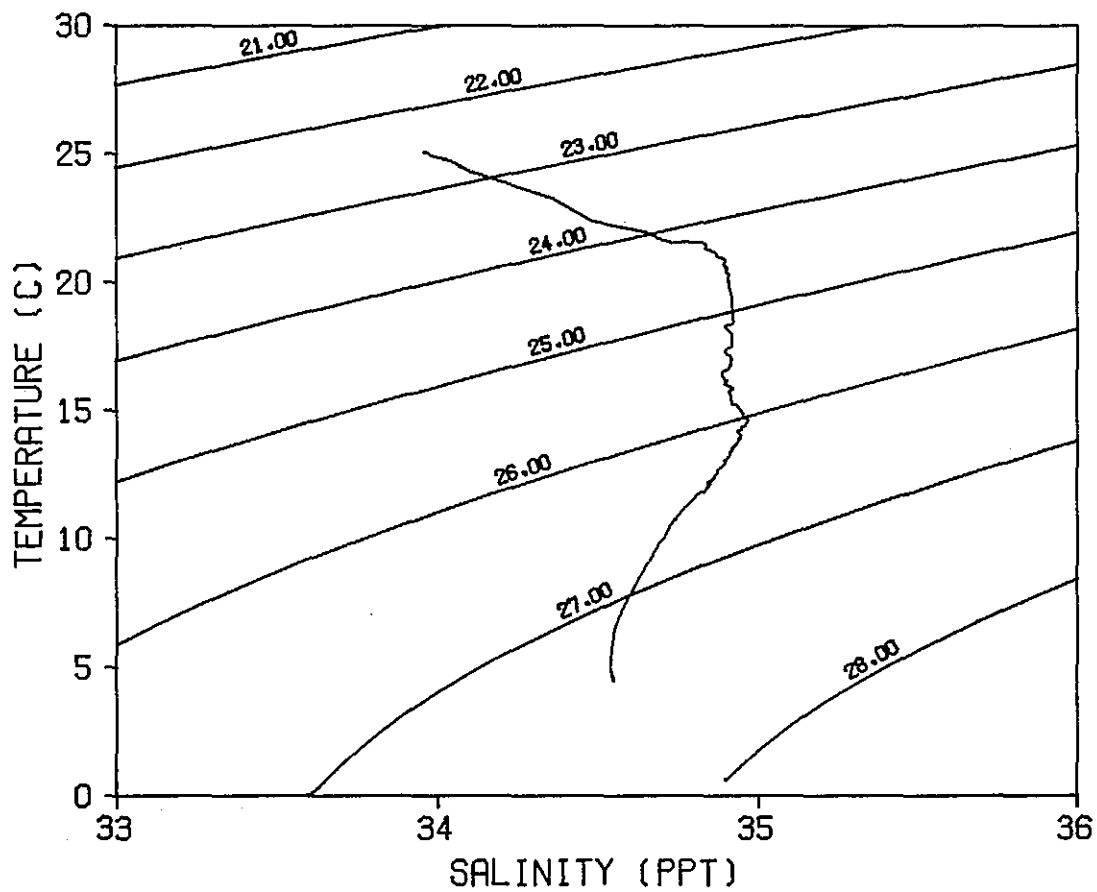


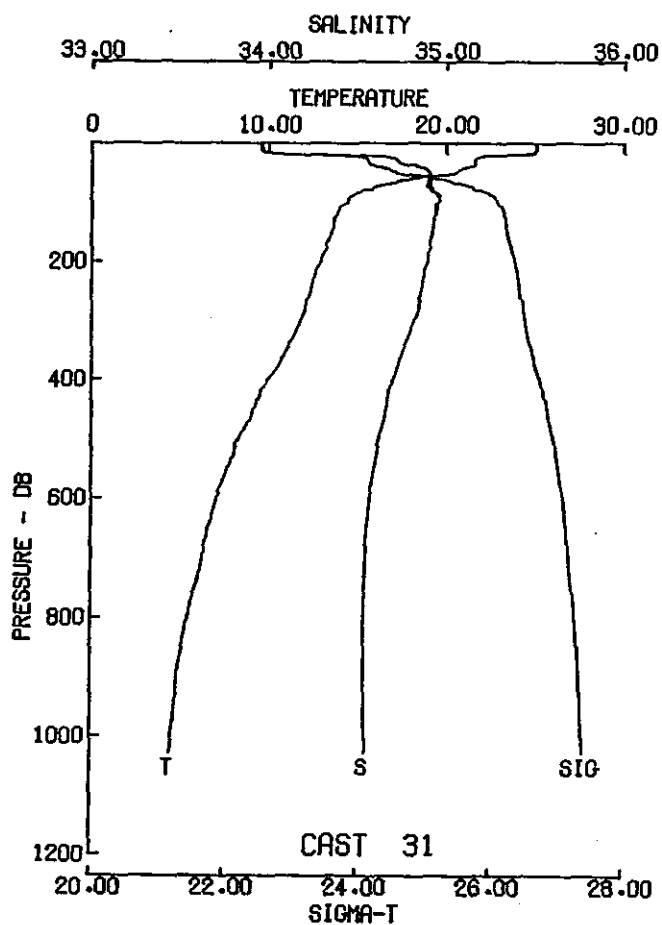


CAST EP3-80-RS-030 DATE 14 AUG 80 TIME 1657 GMT
 LAT 01 30.1N LONG 110 00.5W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 180 T SPD 15 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 24.0 WET 21.5 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	24.134	34.128	22.961	0.000
3.	24.016	34.179	23.034	
10.	23.769	34.281	23.185	.048
20.	21.816	34.693	24.054	.090
30.	21.188	34.889	24.376	.128
40.	19.682	34.952	24.826	.162
50.	19.271	34.952	24.932	.192
60.	18.837	34.905	25.007	.222
70.	17.629	34.929	25.326	.251
80.	15.080	34.953	25.935	.275
90.	14.975	34.961	25.965	.296
100.	14.525	34.961	26.062	.316
110.	14.362	34.960	26.097	.336
120.	14.287	34.958	26.111	.355
130.	13.956	34.959	26.181	.374
140.	13.510	34.931	26.253	.393
150.	13.288	34.918	26.289	.411
160.	12.983	34.909	26.343	.428
170.	12.928	34.907	26.353	.446
180.	12.653	34.894	26.397	.463
190.	12.516	34.887	26.419	.479
200.	12.488	34.886	26.424	.496
250.	12.322	34.881	26.453	.579
300.	11.934	34.822	26.593	.658
350.	10.600	34.763	26.661	.733
400.	9.095	34.686	26.876	.801
450.	8.579	34.666	26.943	.863
500.	8.258	34.649	26.979	.922
550.	7.666	34.618	27.043	.980
600.	7.310	34.602	27.082	1.035
650.	6.821	34.586	27.138	1.088
700.	6.402	34.570	27.182	1.138
750.	5.995	34.566	27.222	1.187
800.	5.510	34.558	27.285	1.233
850.	5.153	34.556	27.327	1.277
900.	4.852	34.557	27.363	1.319
950.	4.647	34.563	27.390	1.359
1000.	4.563	34.564	27.401	1.399
1012.	4.523	34.566	27.407	

CAST EP3-80-RS-031 DATE 14 AUG 80 TIME 2305 GMT
LAT 02 01.0N LONG 109 59.8W

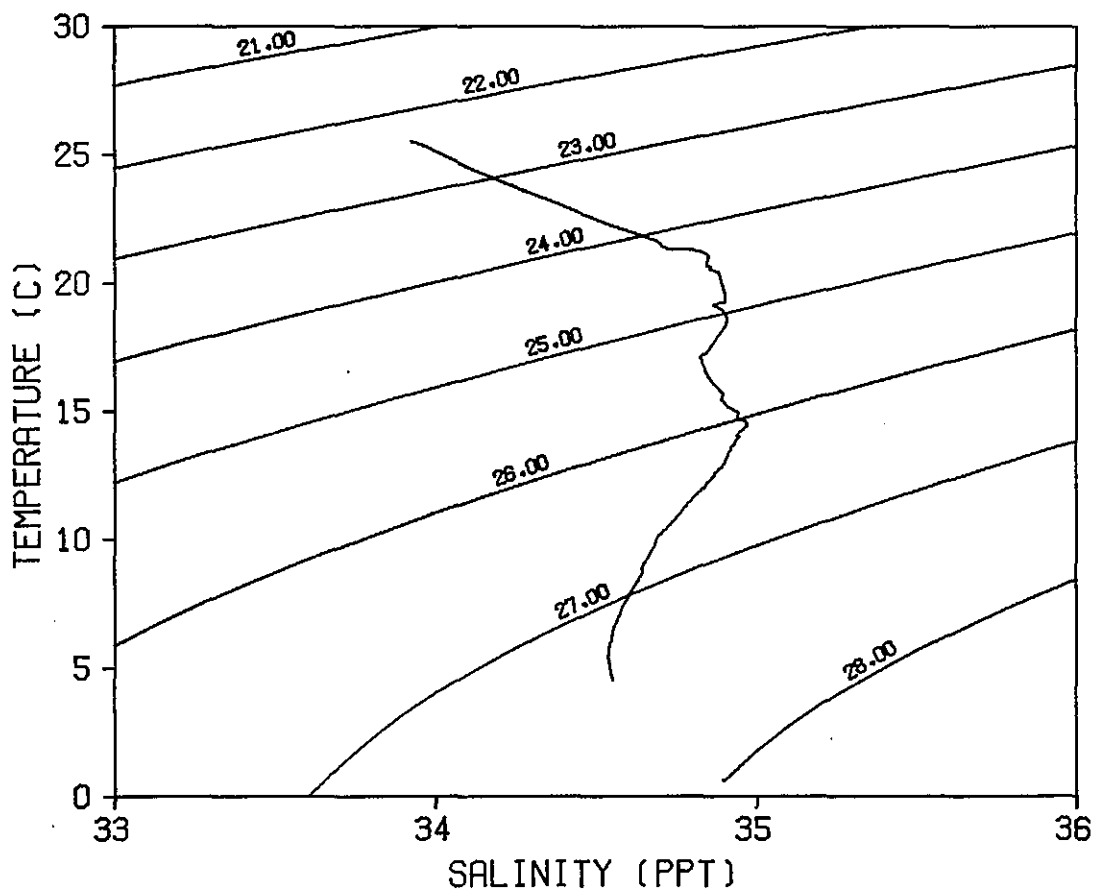


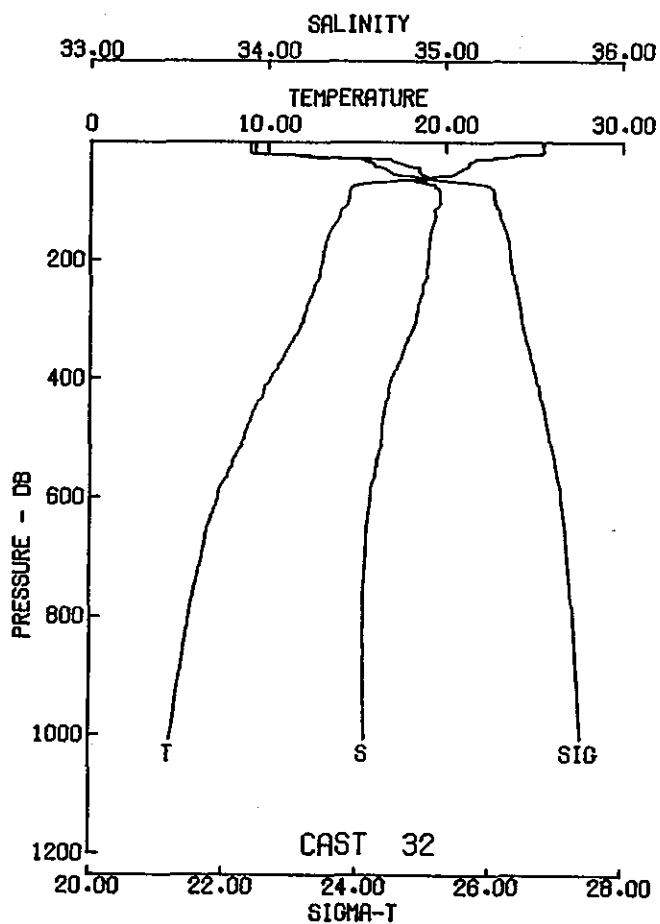


CAST EP3-80-RS-031 DATE 14 AUG 80 TIME 2305 GMT
 LAT 02 01.0N LONG 109 59.8W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 170 T SPD 15 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 23.0 WET 21.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	25.072	33.956	22.550	0.000
4.	25.075	33.960	22.553	
10.	25.066	33.964	22.558	.053
20.	23.305	34.352	23.373	.105
30.	21.572	34.725	24.146	.144
40.	21.323	34.833	24.966	.182
50.	20.444	34.900	25.866	.217
60.	17.966	34.917	26.834	.247
70.	16.436	34.889	27.859	.273
80.	15.303	34.918	28.859	.296
90.	14.601	34.965	29.849	.317
100.	14.385	34.951	29.844	.336
110.	13.939	34.938	29.816	.356
120.	13.832	34.937	29.791	.374
130.	13.655	34.928	29.761	.393
140.	13.622	34.926	29.736	.411
150.	13.539	34.917	29.706	.430
160.	13.414	34.916	29.671	.448
170.	13.248	34.908	29.631	.466
180.	13.186	34.904	29.589	.484
190.	12.980	34.895	29.543	.501
200.	12.903	34.893	29.497	.519
250.	12.346	34.858	29.320	.604
300.	11.762	34.817	29.110	.685
350.	10.987	34.756	28.866	.764
400.	9.976	34.702	28.592	.837
450.	9.136	34.661	28.285	.904
500.	8.354	34.624	27.945	.967
550.	7.703	34.596	27.570	1.026
600.	7.074	34.570	27.163	1.082
650.	6.605	34.556	26.728	1.134
700.	6.273	34.548	26.268	1.185
750.	5.893	34.545	25.788	1.233
800.	5.479	34.540	25.288	1.280
850.	5.151	34.541	24.765	1.324
900.	4.879	34.541	24.217	1.366
950.	4.736	34.543	23.655	1.408
1000.	4.567	34.548	23.088	1.449
1027.	4.466	34.545	22.519	

CAST EP3-80-RS-032 DATE 15 AUG 80 TIME 0438 GMT
LAT 02 30.2N LONG 110 00.2W

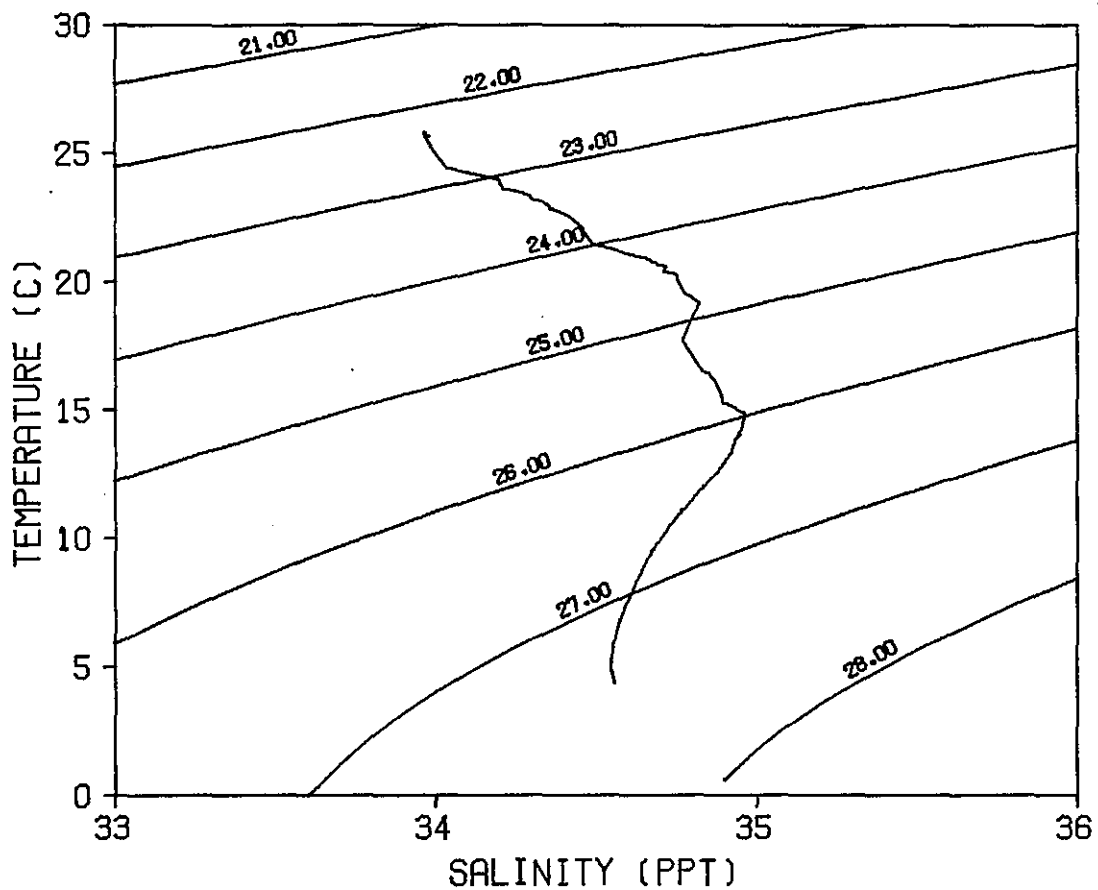


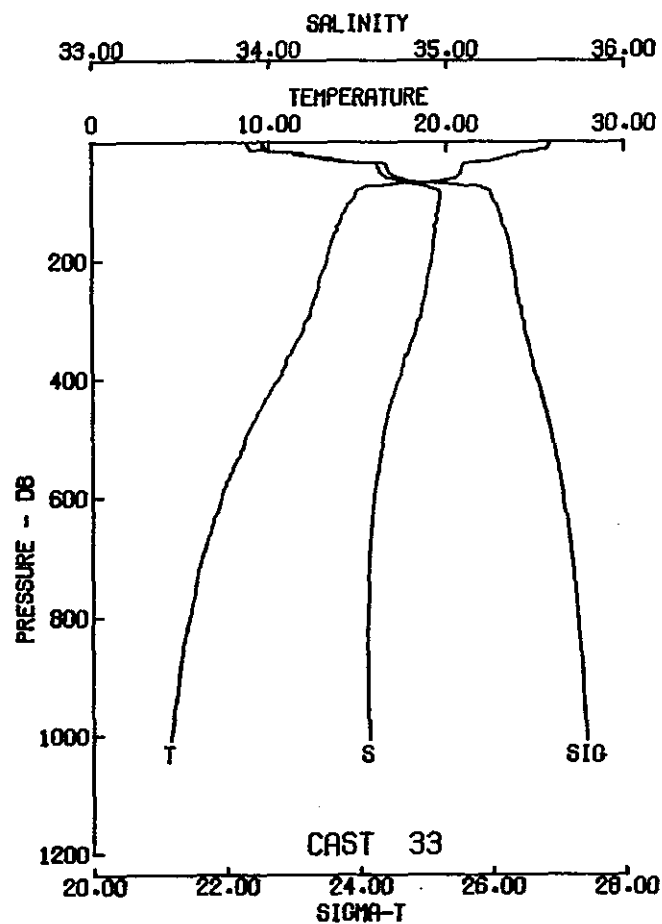


CAST EP3-80-RS-032 DATE 15 AUG 80 TIME 0438 GMT
 LAT 02 30.2N LONG 110 00.2W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 180 T SPD 16 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 23.8 WET 21.5 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	25.496	33.930	22.401	0.000
3.	25.491	33.928	22.402	
10.	25.498	33.926	22.398	.055
20.	25.313	33.966	22.485	.109
30.	21.653	34.688	24.096	.155
40.	21.303	34.779	24.201	.192
50.	20.689	34.846	24.478	.228
60.	18.996	34.888	24.954	.261
70.	15.459	34.891	25.803	.288
80.	14.594	34.964	26.050	.308
90.	14.557	34.968	26.061	.328
100.	14.480	34.969	26.078	.348
110.	14.333	34.959	26.105	.367
120.	14.037	34.943	26.155	.387
130.	13.950	34.943	26.170	.406
140.	13.735	34.932	26.207	.424
150.	13.532	34.920	26.240	.443
160.	13.373	34.915	26.269	.461
170.	13.251	34.910	26.290	.479
180.	13.211	34.909	26.297	.497
190.	13.128	34.906	26.312	.514
200.	13.083	34.904	26.319	.532
250.	11.539	34.871	26.403	.619
300.	11.989	34.835	26.481	.702
350.	11.111	34.770	26.595	.782
400.	10.165	34.698	26.706	.856
450.	9.322	34.663	26.821	.925
500.	8.708	34.648	26.909	.989
550.	7.946	34.610	26.995	1.049
600.	7.211	34.580	27.079	1.105
650.	6.611	34.558	27.144	1.158
700.	6.323	34.553	27.179	1.208
750.	5.914	34.544	27.225	1.257
800.	5.562	34.539	27.265	1.304
850.	5.291	34.541	27.299	1.349
900.	5.054	34.543	27.328	1.393
950.	4.824	34.546	27.357	1.435
1000.	4.587	34.551	27.388	1.476
1006.	4.550	34.551	27.392	

CAST EP3-80-RS-033 DATE 15 AUG 80 TIME 1035 GMT
LAT 03 00.3N LONG 110 00.8W

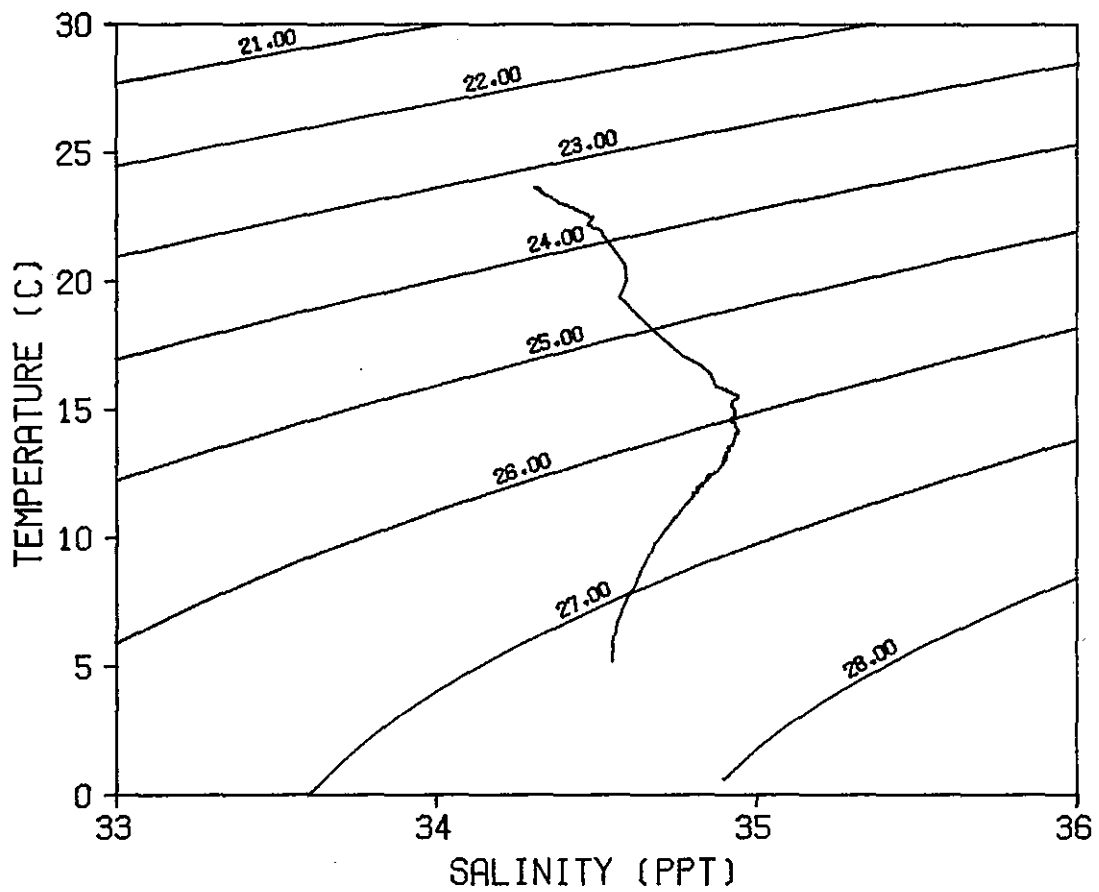


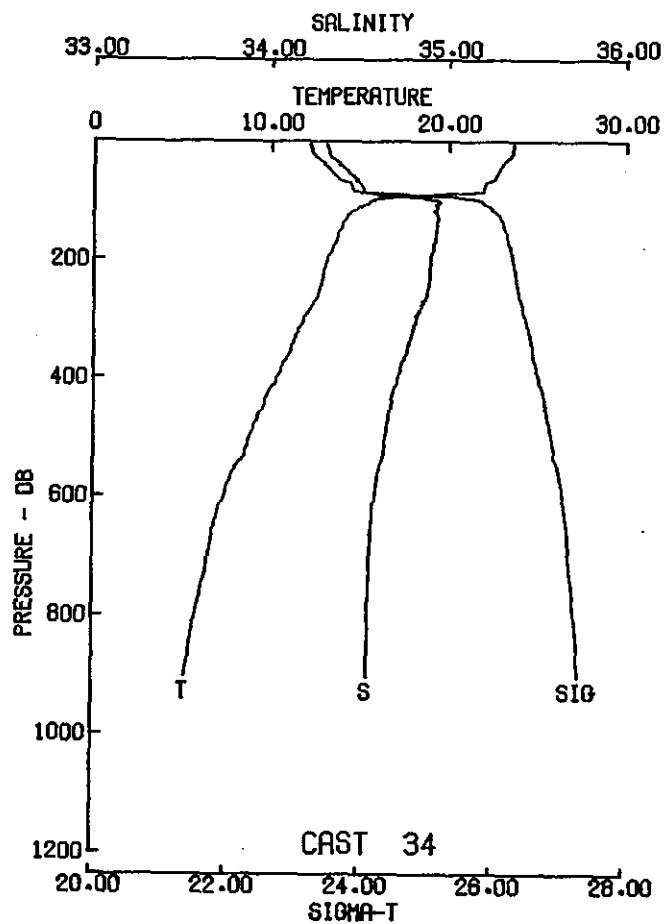


CAST EP3-80-RS-033 DATE 15 AUG 80 TIME 1035 GMT
 LAT 03 00.3N LONG 110 00.8W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 160 T SPD 17 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 24.5 WET 21.8 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	25.854	33.962	22.315	0.000
4.	25.796	33.964	22.335	
10.	25.684	33.964	22.370	.055
20.	23.976	34.197	23.060	.107
30.	22.874	34.353	23.498	.153
40.	20.903	34.656	24.276	.193
50.	20.786	34.671	24.320	.230
60.	20.553	34.718	24.418	.265
70.	17.311	34.789	25.295	.298
80.	15.052	34.937	25.929	.321
90.	14.800	34.962	26.004	.342
100.	14.623	34.958	26.039	.362
110.	14.367	34.954	26.091	.382
120.	14.161	34.948	26.130	.401
130.	14.041	34.948	26.155	.420
140.	13.852	34.932	26.183	.439
150.	13.739	34.932	26.206	.458
160.	13.564	34.925	26.238	.476
170.	13.444	34.920	26.258	.495
180.	13.327	34.919	26.281	.513
190.	13.255	34.913	26.291	.531
200.	13.213	34.913	26.300	.548
250.	12.731	34.883	26.374	.636
300.	12.081	34.836	26.464	.720
350.	11.305	34.786	26.571	.800
400.	10.473	34.726	26.675	.876
450.	9.497	34.672	26.800	.946
500.	8.623	34.638	26.914	1.011
550.	7.909	34.611	27.002	1.071
600.	7.264	34.586	27.076	1.127
650.	6.678	34.568	27.143	1.180
700.	6.170	34.558	27.203	1.230
750.	5.777	34.553	27.249	1.278
800.	5.427	34.547	27.287	1.323
850.	5.073	34.546	27.328	1.367
900.	4.836	34.545	27.355	1.409
950.	4.617	34.549	27.383	1.450
1000.	4.391	34.555	27.412	1.489
1007.	4.360	34.556	27.416	

CAST EP3-80-RS-034 DATE 16 AUG 80 TIME 0023 GMT
LAT 03 35.3N LONG 110 03.5W

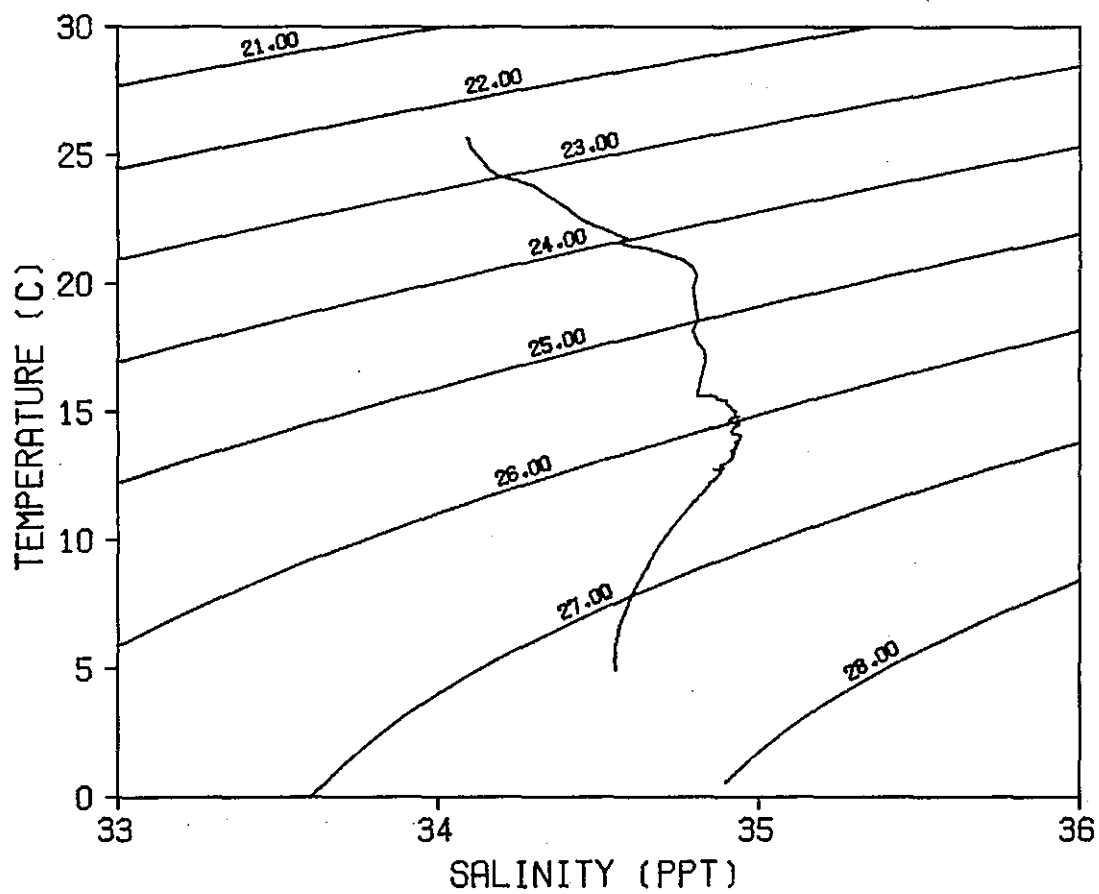


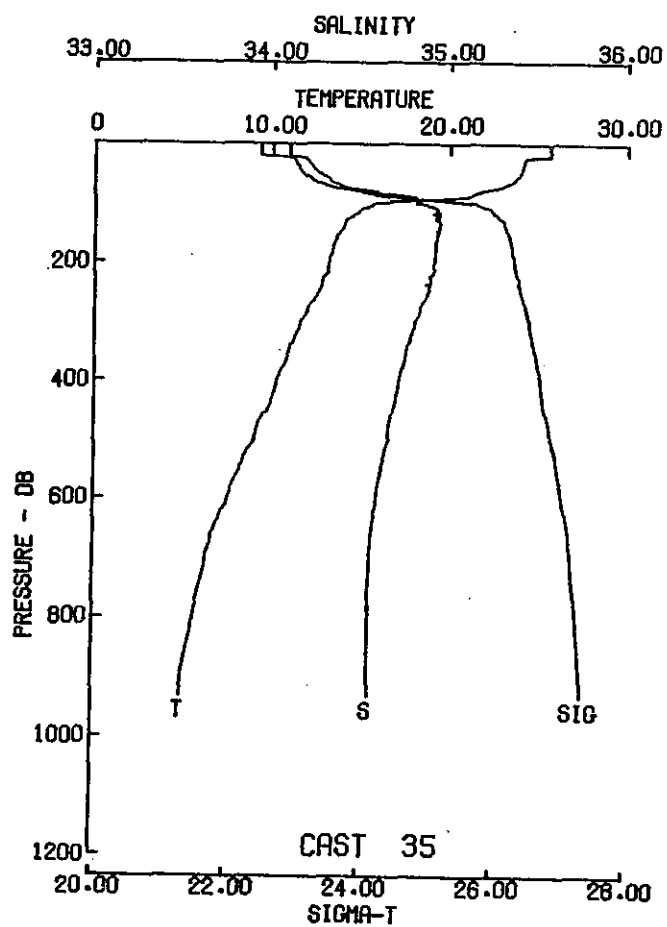


CAST EP3-80-RS-034 DATE 16 AUG 80 TIME 0023 GMT
 LAT 03 35.3N LONG 110 03.9W WEATHER 1 SEA STATE 3
 BAROMETER 15 WIND DIR 180 T SPD 17 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 22.8 WET 21.8 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	23.629	34.299	23.239	0.000
6.	23.644	34.308	23.242	
10.	23.636	34.313	23.248	.046
20.	23.575	34.321	23.271	.093
30.	23.292	34.348	23.374	.139
40.	23.052	34.361	23.469	.183
50.	22.848	34.426	23.561	.227
60.	22.641	34.463	23.648	.270
70.	22.090	34.467	23.822	.313
80.	21.973	34.515	23.875	.352
90.	19.356	34.572	24.621	.392
100.	15.711	34.917	25.767	.419
110.	15.049	34.931	25.925	.441
120.	14.493	34.934	26.048	.462
130.	14.230	34.945	26.113	.481
140.	13.982	34.934	26.157	.501
150.	13.896	34.931	26.173	.520
160.	13.715	34.927	26.208	.538
170.	13.637	34.922	26.220	.557
180.	13.417	34.914	26.259	.575
190.	13.264	34.906	26.284	.593
200.	13.159	34.904	26.304	.611
250.	12.725	34.884	26.375	.669
300.	11.863	34.822	26.495	.783
350.	11.098	34.767	26.595	.922
400.	10.326	34.716	26.692	1.066
450.	9.550	34.675	26.793	1.206
500.	8.787	34.644	26.893	1.343
550.	8.022	34.615	26.988	1.471
600.	7.372	34.588	27.062	1.590
650.	6.826	34.569	27.124	1.704
700.	6.506	34.560	27.160	1.815
750.	6.127	34.555	27.206	1.925
800.	5.825	34.553	27.242	2.033
850.	5.467	34.551	27.285	2.139
900.	5.239	34.550	27.312	2.243
903.	5.209	34.551	27.316	2.243

CAST EP3-80-RS-035 DATE 16 AUG 80 TIME 0339 GMT
LAT 04 05.0N LONG 109 58.0W

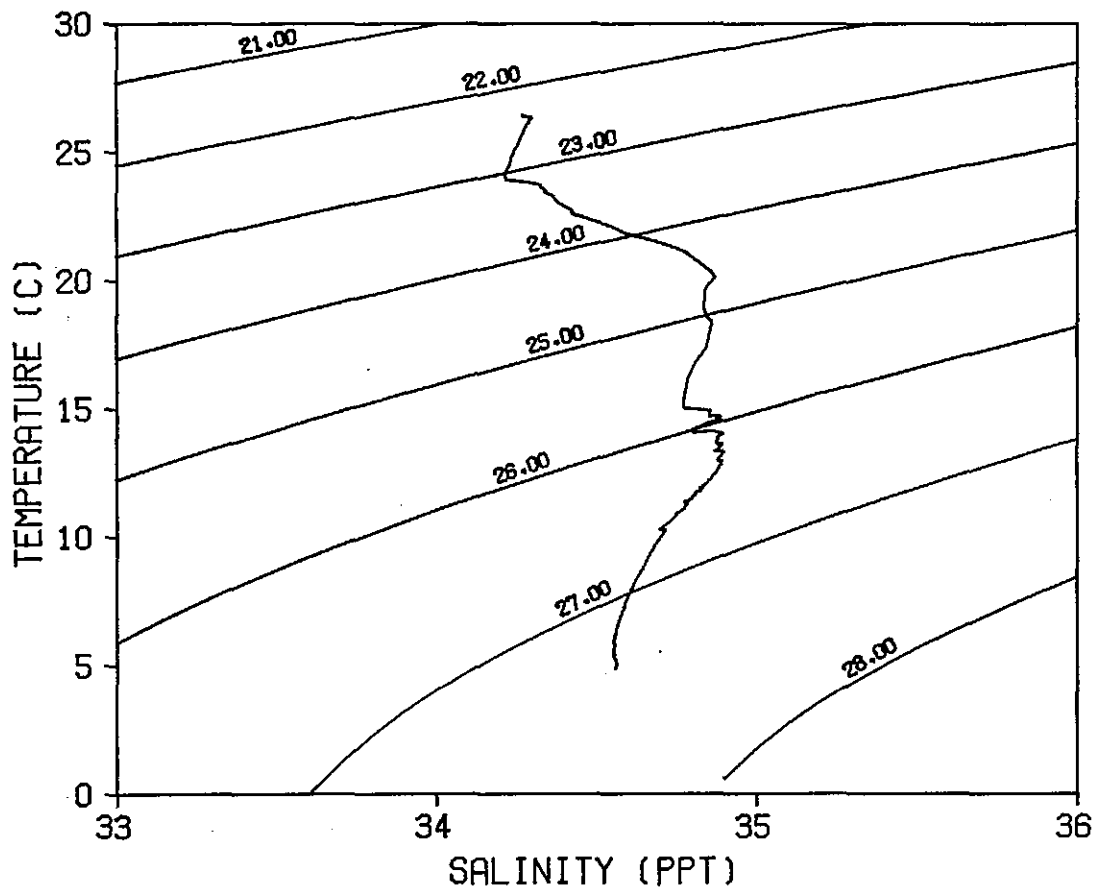




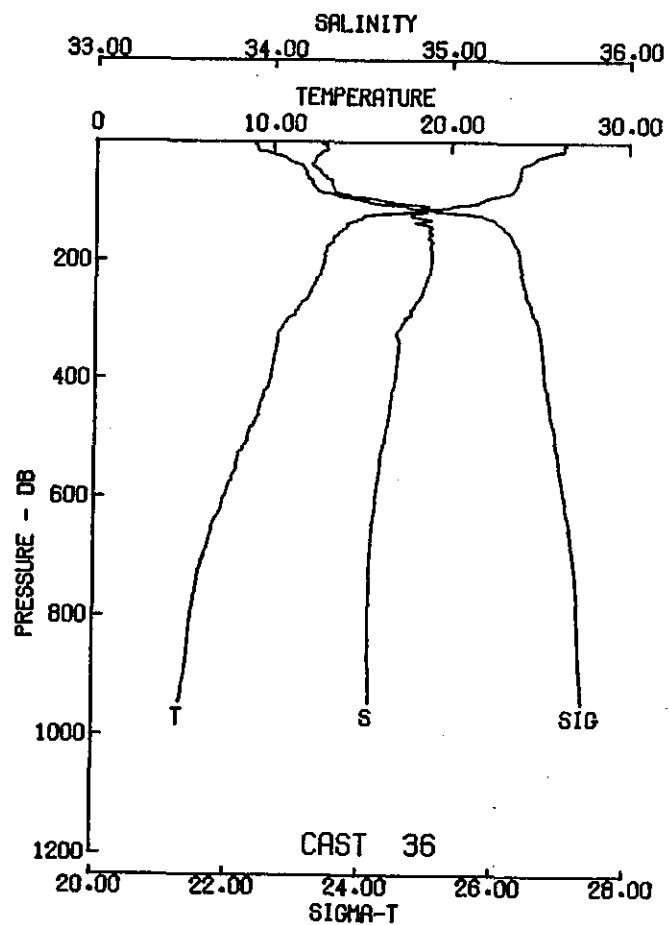
CAST EP3-80-RS-035 DATE 16 AUG 80 TIME 0339 GMT
 LAT 04 05.0N LONG 109 58.0W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 180 T SPD 16 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 23.1 WET 22.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	25.626	34.093	22.484	0.000
3.	25.632	34.092	22.482	
10.	25.640	34.093	22.480	.054
20.	25.576	34.094	22.501	.107
30.	24.162	34.198	22.606	.157
40.	24.069	34.225	22.654	.206
50.	23.932	34.269	22.728	.254
60.	23.659	34.317	22.844	.301
70.	23.081	34.384	22.962	.347
80.	21.735	34.594	23.001	.390
90.	20.611	34.798	23.463	.428
100.	16.021	34.816	23.619	.457
110.	15.006	34.930	23.934	.479
120.	14.550	34.936	23.938	.500
130.	14.115	34.939	23.933	.520
140.	13.987	34.939	23.939	.539
150.	13.767	34.934	23.922	.558
160.	13.609	34.926	23.928	.576
170.	13.461	34.922	23.925	.594
180.	13.386	34.921	23.921	.613
190.	13.252	34.918	23.926	.631
200.	13.195	34.913	23.930	.648
250.	12.599	34.879	23.996	.736
300.	11.578	34.806	23.936	.818
350.	10.928	34.758	23.919	.895
400.	10.267	34.717	23.904	.969
450.	9.768	34.687	23.966	1.039
500.	9.040	34.659	23.864	1.106
550.	8.213	34.620	23.963	1.168
600.	7.545	34.595	23.943	1.226
650.	6.795	34.570	23.970	1.280
700.	6.336	34.560	23.982	1.331
750.	5.991	34.554	23.923	1.380
800.	5.639	34.551	23.965	1.426
850.	5.313	34.553	23.905	1.471
900.	5.053	34.554	23.937	1.515
931.	4.962	34.554	23.948	

CAST EP3-80-RS-036 DATE 16 AUG 80 TIME 1530 GMT
LAT 04 30.2N LONG 109 56.1W



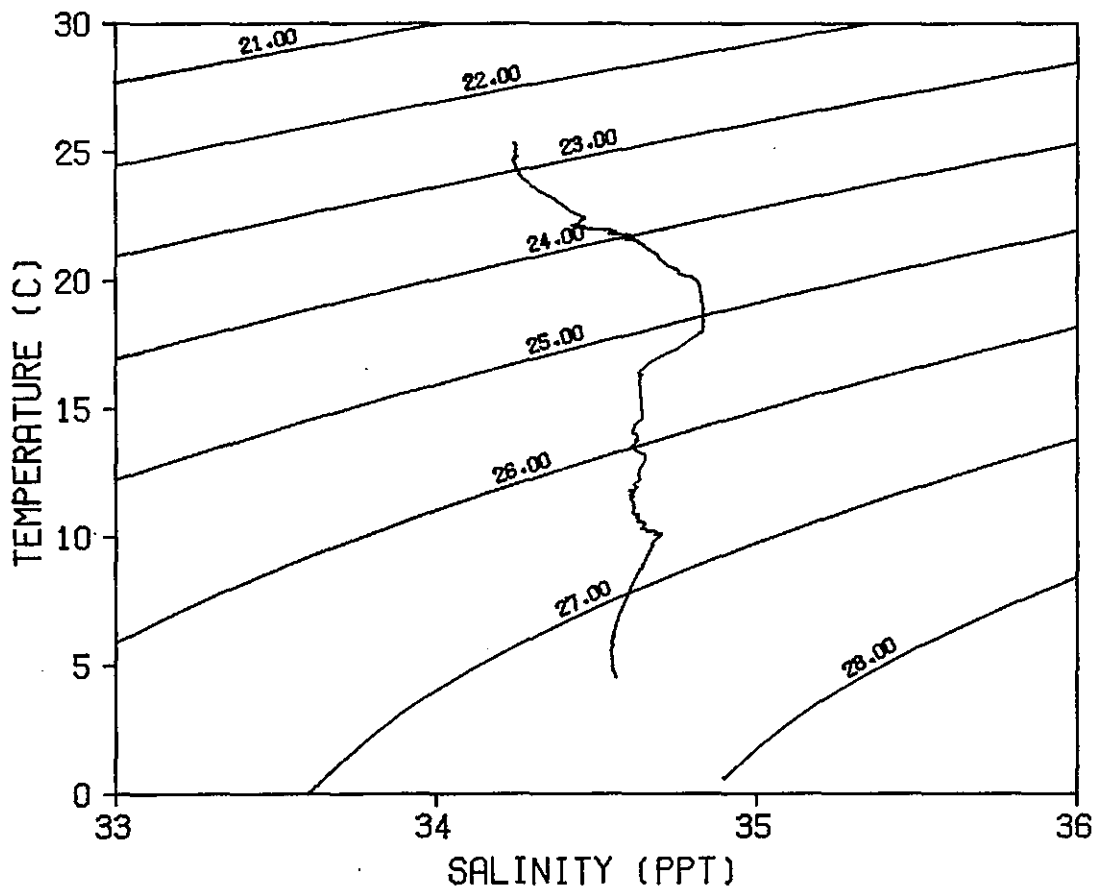
215

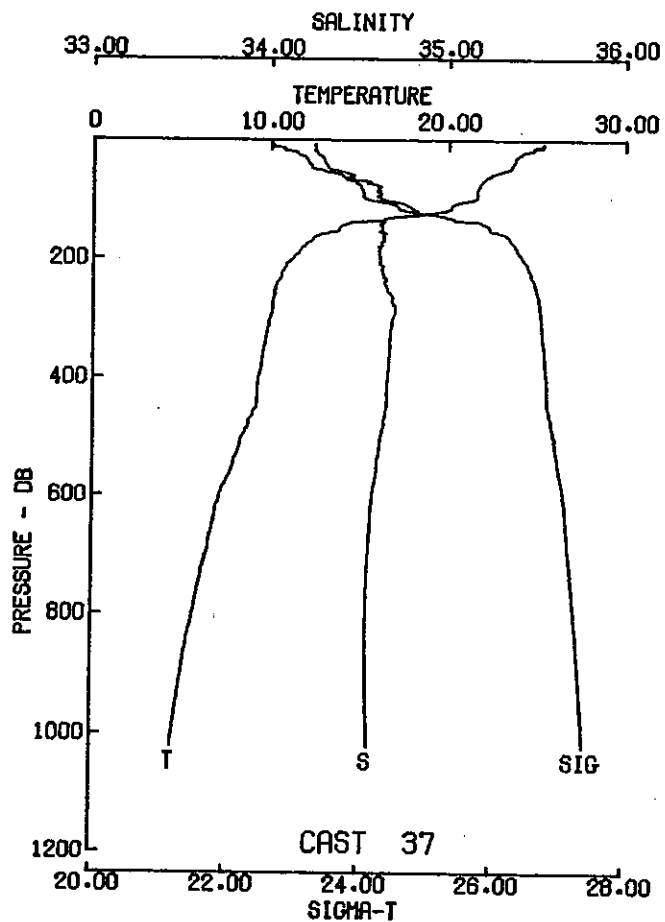


CAST EP3-80-RS-036 DATE 16 AUG 80 TIME 1530 GMT
 LAT 04 30.2N LONG 109 56.1W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 180 T SPD 16 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 25.0 WET 22.5 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	26.456	34.256	22.349	0.000
4.	26.394	34.273	22.382	
10.	26.316	34.297	22.424	.055
20.	25.474	34.261	22.658	.108
30.	24.667	34.233	22.882	.159
40.	23.923	34.218	23.091	.208
50.	23.861	34.263	23.144	.256
60.	23.823	34.290	23.176	.303
70.	23.686	34.326	23.243	.350
80.	23.485	34.344	23.315	.397
90.	22.654	34.425	23.616	.442
100.	21.648	34.649	23.967	.483
110.	19.980	34.861	24.279	.519
120.	16.790	34.808	24.434	.548
130.	14.712	34.850	24.936	.571
140.	14.137	34.866	25.072	.592
150.	13.779	34.876	25.155	.611
160.	13.415	34.879	25.233	.630
170.	13.306	34.900	25.271	.648
180.	12.956	34.882	25.328	.666
190.	12.844	34.890	25.356	.683
200.	12.833	34.891	25.358	.700
250.	12.145	34.848	25.461	.785
300.	10.828	34.748	25.629	.864
350.	10.205	34.711	25.710	.936
400.	9.905	34.693	25.747	1.006
450.	9.266	34.662	25.830	1.074
500.	8.600	34.635	25.916	1.138
550.	8.005	34.611	26.007	1.198
600.	7.315	34.587	26.070	1.255
650.	6.651	34.567	27.146	1.308
700.	6.188	34.557	27.194	1.358
750.	5.777	34.554	27.250	1.406
800.	5.519	34.551	27.279	1.451
850.	5.365	34.555	27.300	1.496
900.	5.172	34.559	27.327	1.540
945.	4.903	34.558	27.358	

CAST EP3-80-RS-037 DATE 16 AUG 80 TIME 1844 GMT
LAT 05 00.2N LONG 109 59.4W

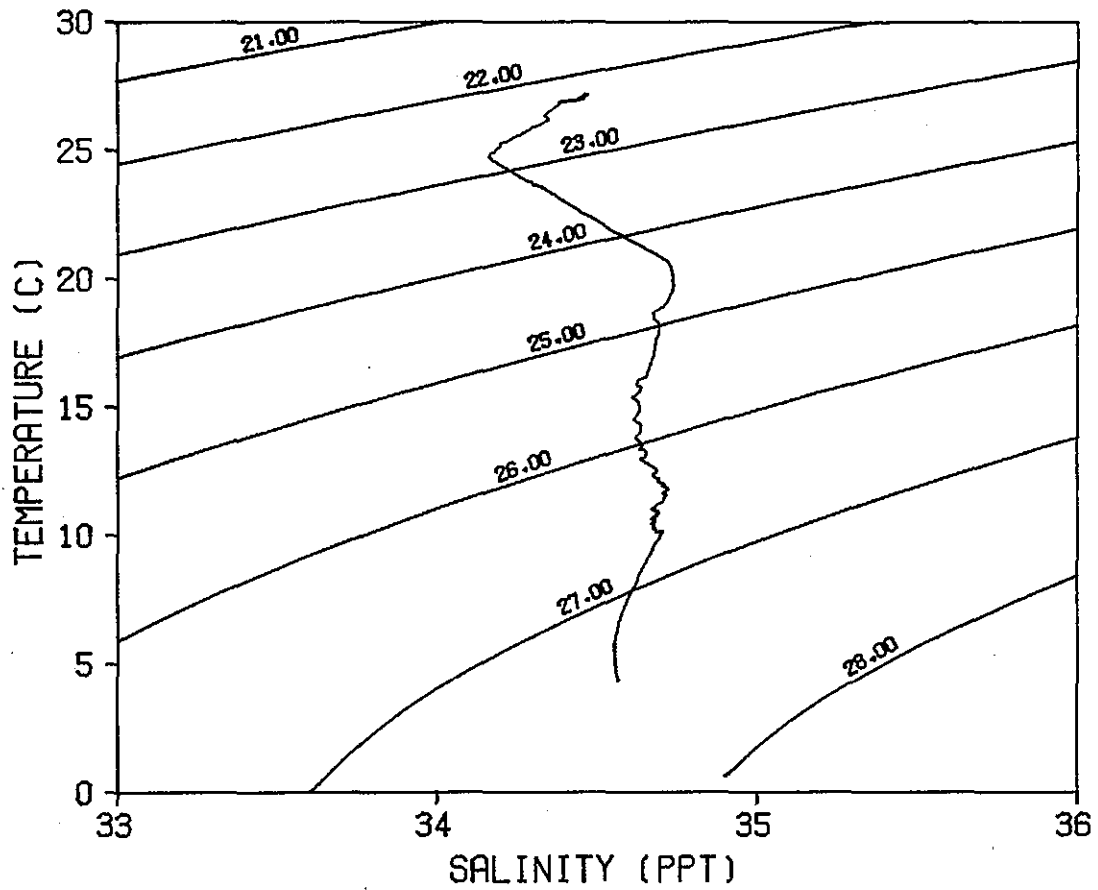


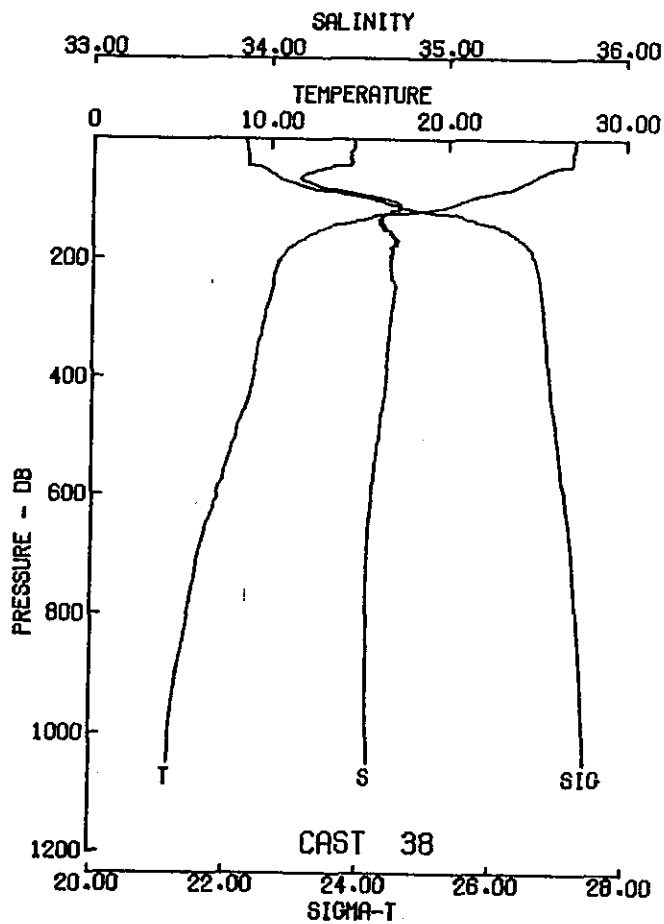


CAST EP3-80-RS-037 DATE 16 AUG 80 TIME 1844 GMT
 LAT 05 00.2N LONG 109 59.4W WEATHER 1 SEA STATE 3
 BARMETER 12 WIND DIR 180 T SPD 12 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 25.0 WET 22.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
8.	25.319	34.244	22.692	
10.	25.344	34.242	22.684	.052
20.	24.287	34.253	23.011	.102
30.	23.815	34.287	23.176	.150
40.	23.665	34.302	23.231	.197
50.	23.409	34.335	23.331	.243
60.	22.410	34.467	23.716	.287
70.	21.900	34.558	23.928	.328
80.	21.715	34.601	24.013	.368
90.	21.616	34.609	24.046	.407
100.	21.462	34.635	24.108	.446
110.	20.249	34.762	24.532	.482
120.	19.813	34.823	24.693	.516
130.	17.137	34.715	25.280	.546
140.	14.379	34.618	25.829	.572
150.	13.823	34.629	25.955	.593
160.	12.801	34.641	26.172	.613
170.	12.312	34.635	26.264	.632
180.	11.862	34.623	26.340	.649
190.	11.577	34.615	26.388	.666
200.	11.259	34.615	26.447	.683
250.	10.267	34.657	26.657	.759
300.	9.970	34.691	26.735	.830
350.	9.626	34.674	26.779	.898
400.	9.338	34.662	26.818	.965
450.	9.216	34.656	26.833	1.031
500.	8.416	34.624	26.935	1.094
550.	7.892	34.602	26.998	1.154
600.	7.159	34.577	27.084	1.210
650.	6.761	34.566	27.131	1.263
700.	6.445	34.557	27.166	1.314
750.	6.026	34.549	27.214	1.364
800.	5.681	34.548	27.257	1.411
850.	5.339	34.546	27.297	1.456
900.	5.079	34.548	27.329	1.500
950.	4.820	34.551	27.362	1.542
1000.	4.593	34.558	27.393	1.583
1021.	4.529	34.561	27.402	

CAST EP3-80-RS-038 DATE 16 AUG 80 TIME 2330 GMT
LAT 05 30.7N LONG 110 00.2W

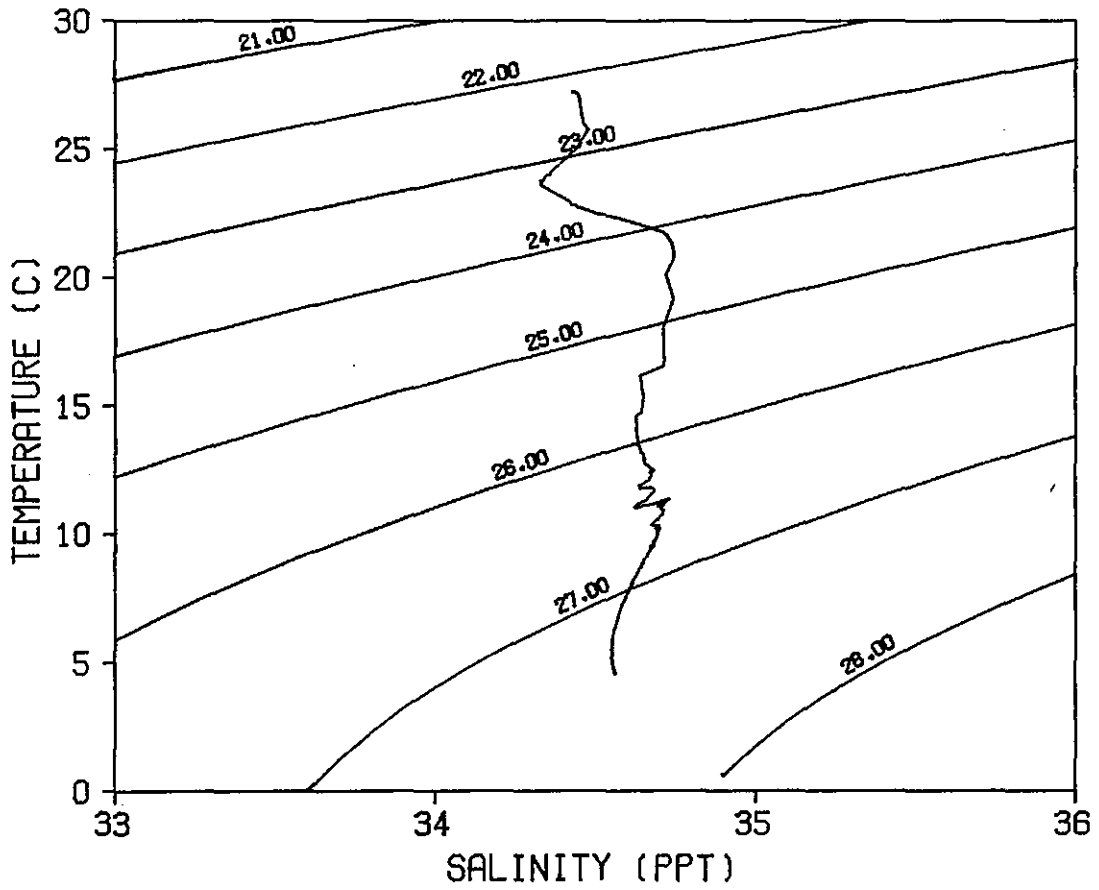


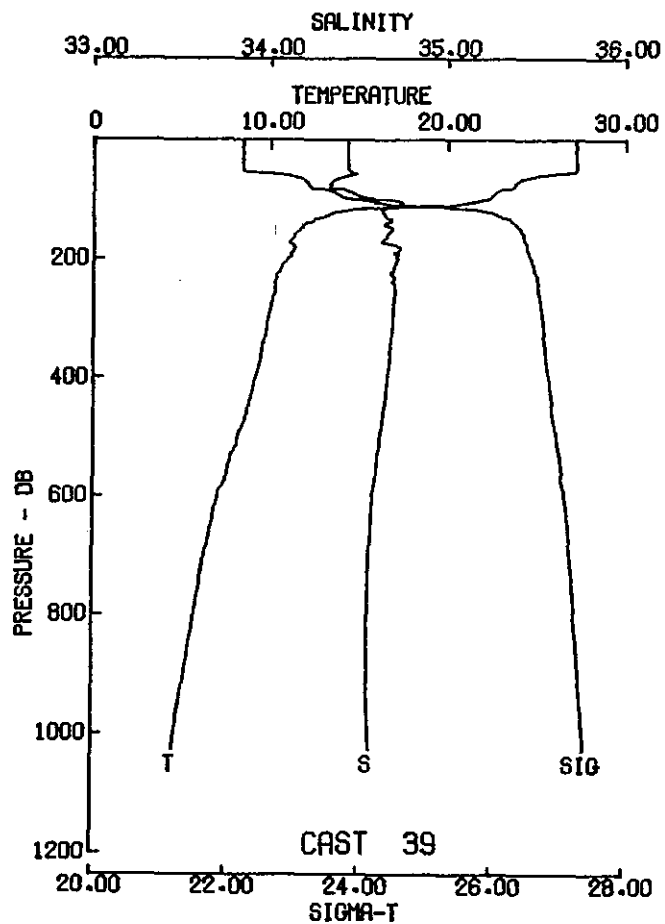


CAST EP3-80-RS-038 DATE 16 AUG 80 TIME 2330 GMT
 LAT 05 30.7N LONG 110 00.2W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 180 T SPD 15 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 24.0 WET 21.3 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	27.170	34.456	22.273	0.000
3.	27.152	34.460	22.282	
10.	27.118	34.464	22.296	.056
20.	27.055	34.452	22.307	.111
30.	26.996	34.446	22.321	.166
40.	26.987	34.454	22.330	.222
50.	25.872	34.295	22.560	.276
60.	25.068	34.185	22.725	.329
70.	24.502	34.188	22.897	.380
80.	23.808	34.277	23.170	.428
90.	22.580	34.446	23.652	.474
100.	21.278	34.631	24.155	.514
110.	20.370	34.731	24.476	.551
120.	18.696	34.675	24.868	.584
130.	15.723	34.634	25.546	.611
140.	14.514	34.608	25.793	.635
150.	13.058	34.650	26.128	.656
160.	12.286	34.675	26.300	.674
170.	11.716	34.717	26.441	.691
180.	11.172	34.684	26.517	.707
190.	10.803	34.683	26.584	.722
200.	10.527	34.675	26.626	.737
250.	10.119	34.702	26.717	.808
300.	9.697	34.679	26.772	.876
350.	9.323	34.665	26.823	.943
400.	9.064	34.654	26.856	1.007
450.	8.650	34.638	26.909	1.071
500.	8.121	34.620	26.977	1.131
550.	7.570	34.596	27.040	1.188
600.	7.030	34.577	27.102	1.243
650.	6.444	34.561	27.169	1.295
700.	6.018	34.554	27.219	1.343
750.	5.737	34.551	27.252	1.390
800.	5.440	34.550	27.288	1.436
850.	5.141	34.551	27.325	1.480
900.	4.833	34.554	27.363	1.522
950.	4.612	34.555	27.388	1.562
1000.	4.458	34.560	27.409	1.602
1049.	4.356	34.562	27.422	

CAST EP3-80-RS-039 DATE 17 AUG 80 TIME 0830 GMT
LAT 06 00.2N LONG 109 59.4W

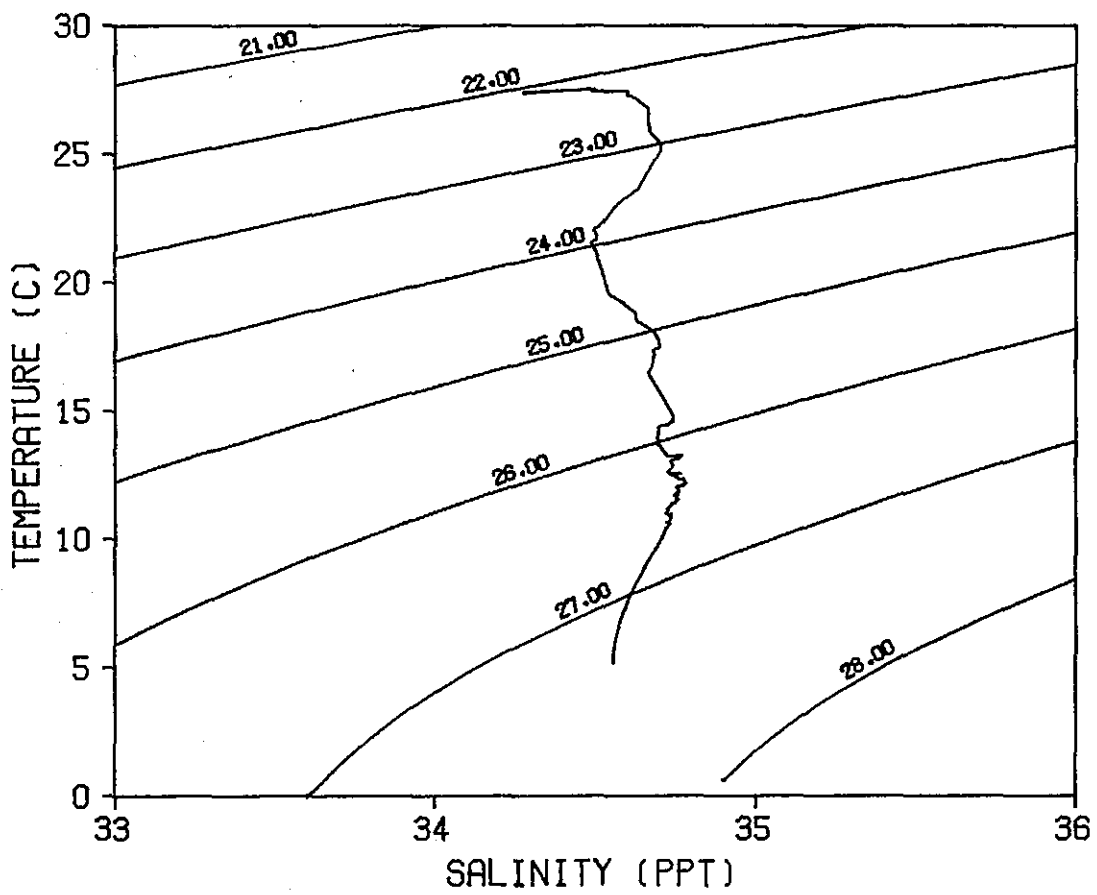




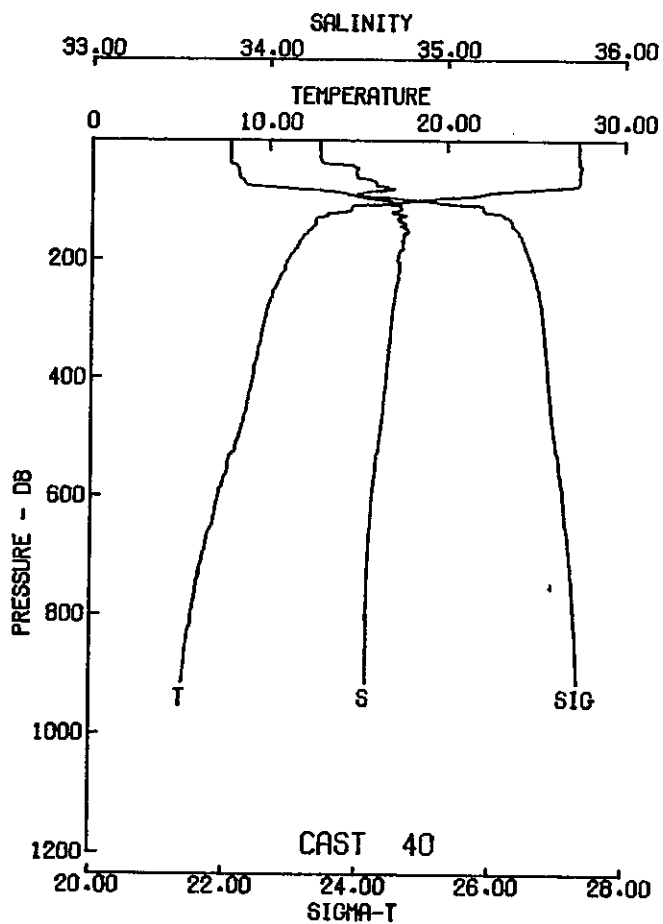
CAST EP3-80-RS-039 DATE 17 AUG 80 TIME 0830 GMT
 LAT 06 00.2N LONG 109 59.4W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 190 T SPD 14 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 25.0 WET 21.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-0 (DYN M)
0.	27.187	34.430	22.248	0.000
4.	27.199	34.432	22.246	
10.	27.208	34.430	22.241	.056
20.	27.207	34.432	22.243	.112
30.	27.213	34.432	22.241	.168
40.	27.216	34.433	22.241	.224
50.	27.205	34.433	22.244	.280
60.	25.153	34.447	22.2896	.334
70.	23.932	34.344	22.3184	.383
80.	23.651	34.331	22.3257	.430
90.	22.679	34.460	22.3335	.474
100.	22.304	34.574	22.3828	.516
110.	20.422	34.734	22.4655	.554
120.	14.262	34.628	22.5862	.581
130.	13.008	34.648	26.136	.601
140.	11.960	34.648	26.341	.619
150.	11.695	34.682	26.418	.636
160.	11.318	34.658	26.470	.652
170.	11.139	34.630	26.481	.668
180.	11.303	34.714	26.6316	.684
190.	11.129	34.701	26.6538	.700
200.	10.931	34.713	26.583	.715
250.	10.247	34.700	26.694	.787
300.	9.841	34.689	26.755	.857
350.	9.531	34.675	26.796	.924
400.	9.142	34.658	26.847	.990
450.	8.710	34.643	26.904	1.053
500.	8.141	34.618	26.973	1.114
550.	7.569	34.596	27.040	1.172
600.	7.046	34.578	27.101	1.227
650.	6.651	34.568	27.147	1.279
700.	6.329	34.560	27.184	1.329
750.	6.028	34.554	27.218	1.378
800.	5.743	34.552	27.252	1.425
850.	5.465	34.550	27.285	1.471
900.	5.211	34.551	27.316	1.516
950.	4.973	34.554	27.350	1.558
1000.	4.682	34.560	27.384	1.598
1026.	4.556	34.563	27.400	1.600

CAST EP3-80-RS-040 DATE 17 AUG 80 TIME 1446 GMT
LAT 06 34.7N LONG 109 58.9W



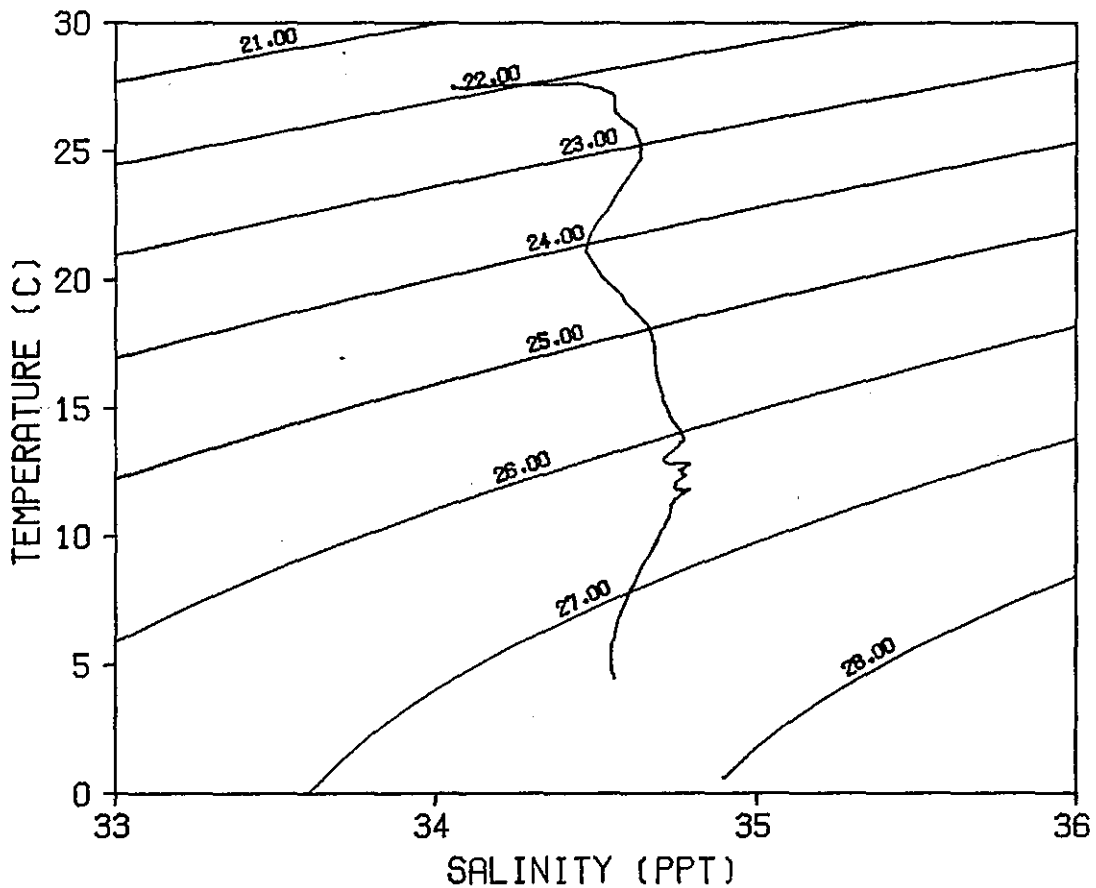
223



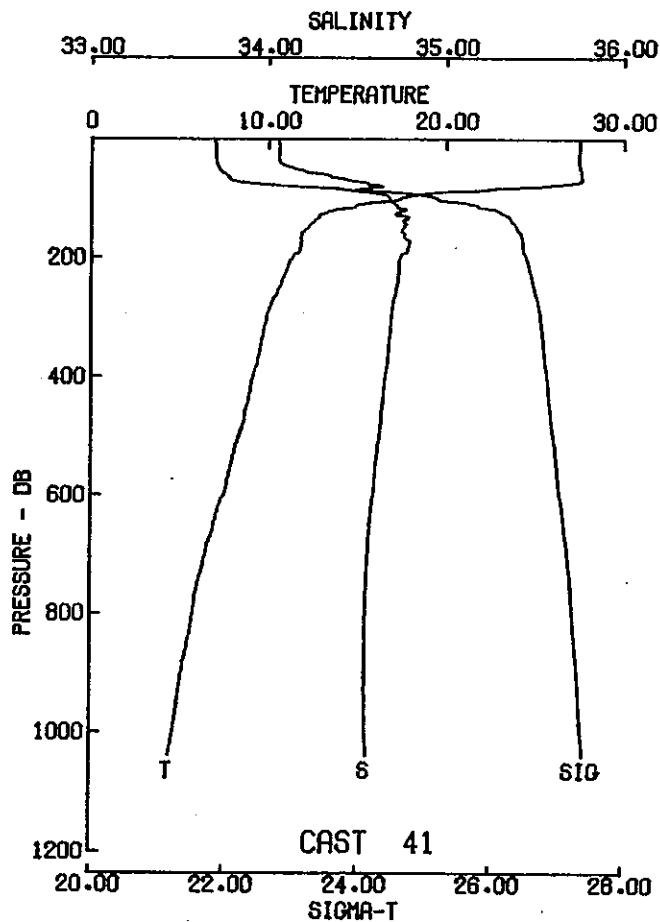
CAST EP3-80-RS-040 DATE 17 AUG 80 TIME 1446 GMT
 LAT 06 34.7N LONG 109 58.9W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 200 T SPD 18 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 25.9 WET 22.1 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	27.378	34.279	22.073	0.000
1.	27.384	34.280	22.072	
10.	27.384	34.279	22.071	.058
20.	27.391	34.280	22.069	.115
30.	27.398	34.284	22.070	.173
40.	27.431	34.316	22.084	.231
50.	27.487	34.492	22.198	.288
60.	27.437	34.487	22.211	.344
70.	27.443	34.591	22.286	.401
80.	25.844	34.668	22.850	.455
90.	22.166	34.506	23.815	.500
100.	18.804	34.621	24.799	.538
110.	14.695	34.742	25.857	.565
120.	14.363	34.692	25.890	.587
130.	12.679	34.729	26.265	.606
140.	12.575	34.761	26.310	.624
150.	12.329	34.773	26.367	.641
160.	11.921	34.755	26.432	.658
170.	11.672	34.748	26.474	.674
180.	11.540	34.754	26.503	.690
190.	11.234	34.726	26.538	.706
200.	11.030	34.719	26.570	.721
250.	10.265	34.711	26.700	.795
300.	9.718	34.690	26.776	.863
350.	9.390	34.675	26.820	.930
400.	9.094	34.661	26.857	.994
450.	8.740	34.645	26.901	1.058
500.	8.304	34.626	26.954	1.119
550.	7.680	34.601	27.028	1.177
600.	7.165	34.584	27.089	1.232
650.	6.835	34.575	27.127	1.286
700.	6.317	34.564	27.188	1.336
750.	5.940	34.557	27.231	1.384
800.	5.680	34.554	27.262	1.431
850.	5.415	34.555	27.295	1.477
900.	5.263	34.554	27.312	1.521
915.	5.179	34.555	27.323	

CAST EP3-80-RS-041 DATE 17 AUG 80 TIME 2110 GMT
LAT 07 00.0N LONG 110 00.9W



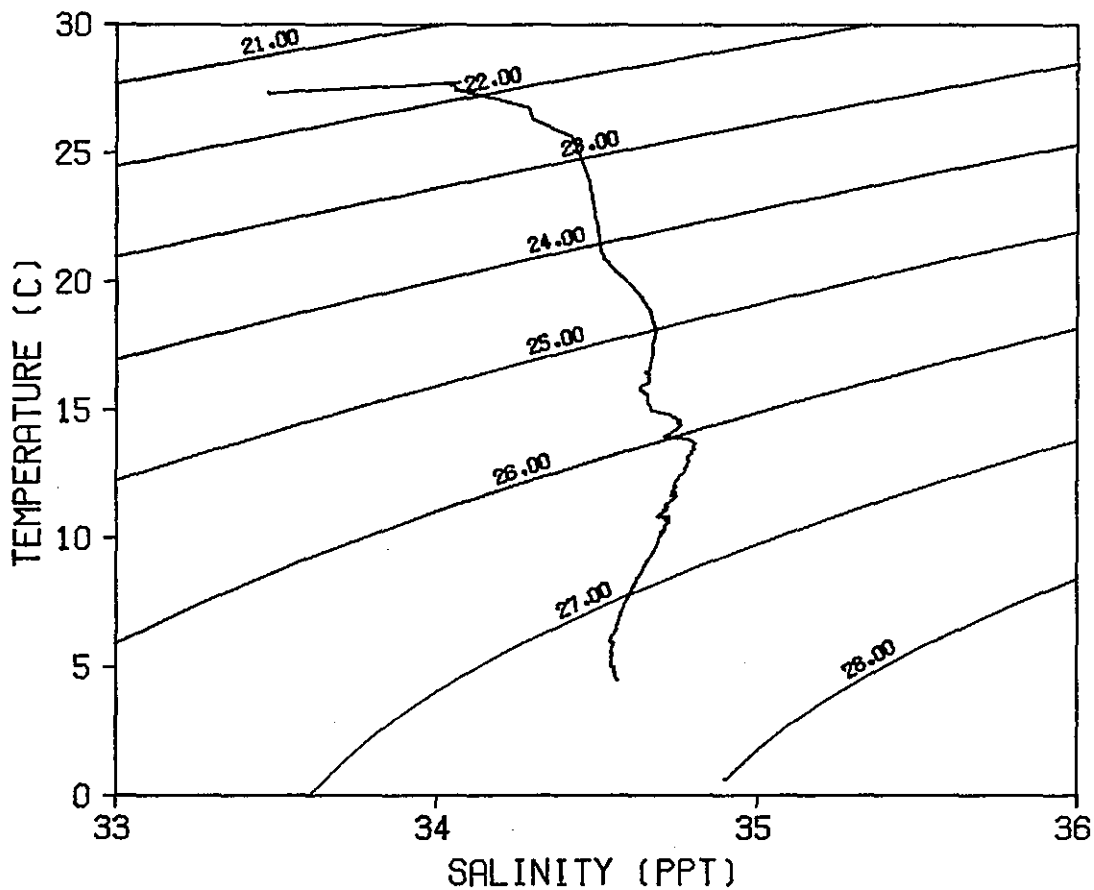
225



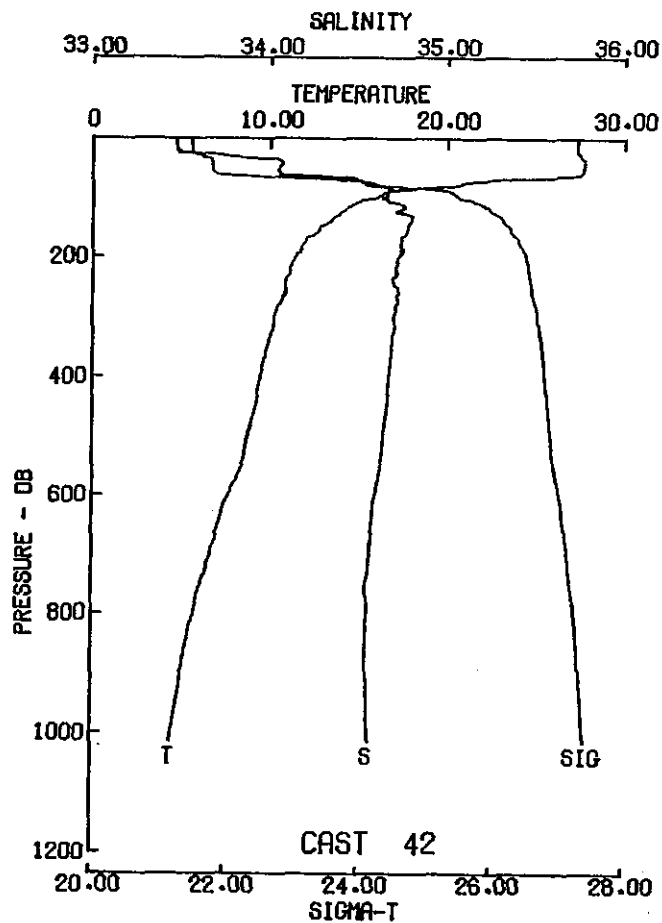
CAST EP3-80-RS-041 DATE 17 AUG 80 TIME 2110 GMT
 LAT 07 00.0N LONG 110 00.9W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 200 T SPD 14 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 26.0 WET 22.5 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	27.517	34.054	21.860	0.000
5.	27.503	34.057	21.866	
10.	27.500	34.059	21.868	.060
20.	27.482	34.058	21.874	.119
30.	27.462	34.057	21.879	.179
40.	27.460	34.061	21.883	.238
50.	27.521	34.138	21.921	.298
60.	27.607	34.313	22.025	.357
70.	27.649	34.447	22.112	.415
80.	25.270	34.636	23.003	.469
90.	20.051	34.519	24.400	.511
100.	17.483	34.680	25.170	.542
110.	15.409	34.707	25.673	.569
120.	13.740	34.772	26.083	.591
130.	12.859	34.761	26.253	.610
140.	12.543	34.768	26.322	.628
150.	12.205	34.761	26.382	.645
160.	11.846	34.758	26.449	.661
170.	11.809	34.776	26.470	.677
180.	11.792	34.788	26.482	.694
190.	11.705	34.779	26.491	.710
200.	11.337	34.741	26.531	.725
250.	10.597	34.721	26.649	.801
300.	9.880	34.690	26.749	.871
350.	9.566	34.677	26.792	.939
400.	9.125	34.657	26.849	1.004
450.	8.754	34.640	26.895	1.068
500.	8.355	34.626	26.946	1.130
550.	7.890	34.606	27.001	1.189
600.	7.528	34.592	27.043	1.246
650.	6.917	34.572	27.114	1.300
700.	6.496	34.563	27.164	1.352
750.	6.052	34.554	27.214	1.401
800.	5.799	34.550	27.243	1.449
850.	5.475	34.547	27.281	1.495
900.	5.163	34.546	27.318	1.540
950.	4.932	34.547	27.346	1.582
1000.	4.694	34.550	27.375	1.624
1039.	4.463	34.555	27.405	

CAST EP3-80-RS-042 DATE 18 AUG 80 TIME 0047 GMT
LAT 07 29.8N LONG 109 59.9W



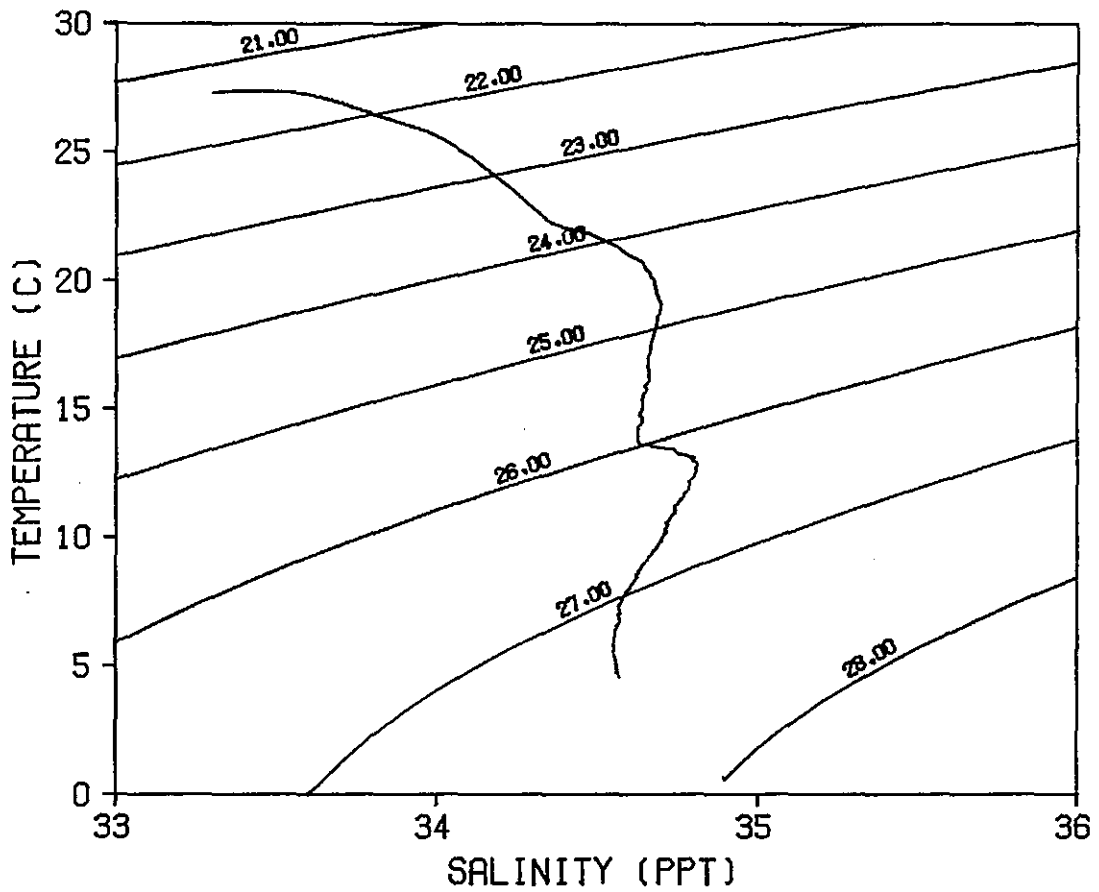
227



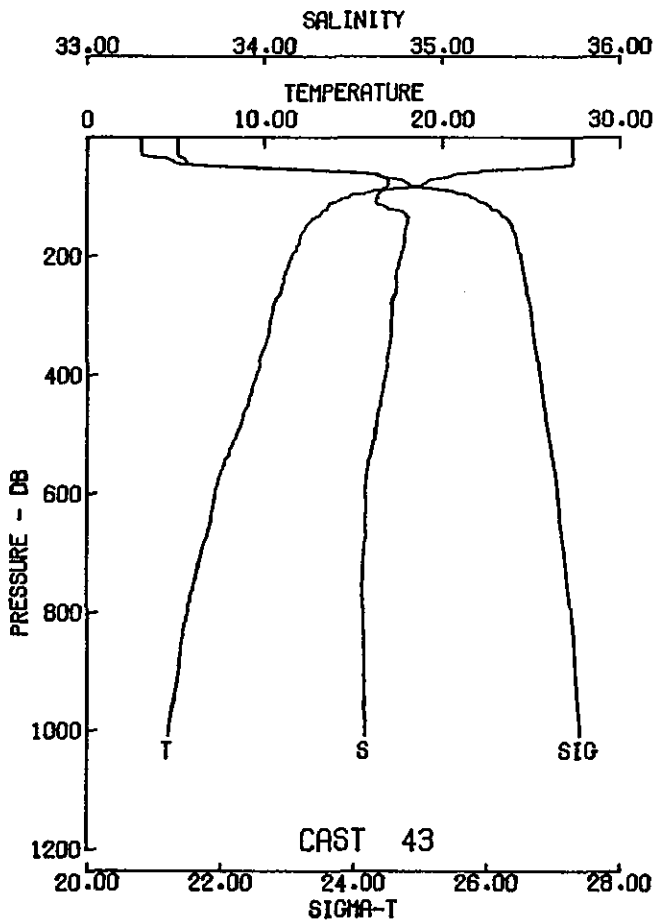
CAST EP3-80-RS-042 DATE 18 AUG 80 TIME 0047 GMT
 LAT 07 29.8N LONG 109 59.9W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 200 T SPD 12 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 26.0 WET 23.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN H)
0.	27.424	33.470	21.451	0.000
5.	27.355	33.472	21.474	
10.	27.310	33.473	21.489	.063
20.	27.307	33.473	21.490	.127
30.	27.526	33.745	21.624	.189
40.	27.742	34.061	21.792	.251
50.	27.697	34.054	21.801	.311
60.	27.567	34.055	21.844	.371
70.	22.608	34.490	23.678	.424
80.	20.481	34.549	24.309	.463
90.	16.670	34.664	25.351	.494
100.	16.019	34.652	25.493	.519
110.	14.829	34.723	25.813	.543
120.	14.223	34.743	25.959	.565
130.	13.837	34.789	26.076	.585
140.	13.421	34.796	26.167	.604
150.	12.816	34.778	26.275	.623
160.	12.675	34.772	26.298	.641
170.	12.040	34.738	26.396	.658
180.	11.851	34.738	26.432	.675
190.	11.672	34.741	26.468	.691
200.	11.380	34.720	26.507	.707
250.	10.850	34.715	26.599	.784
300.	10.245	34.697	26.692	.857
350.	9.836	34.686	26.754	.927
400.	9.474	34.673	26.804	.995
450.	9.188	34.661	26.842	1.061
500.	8.758	34.641	26.895	1.125
550.	8.428	34.622	26.932	1.188
600.	7.673	34.594	27.024	1.247
650.	7.122	34.575	27.088	1.303
700.	6.654	34.562	27.141	1.356
750.	6.160	34.543	27.192	1.406
800.	5.739	34.549	27.250	1.454
850.	5.340	34.546	27.297	1.499
900.	5.031	34.544	27.332	1.543
950.	4.807	34.554	27.365	1.585
1000.	4.535	34.560	27.401	1.626
1014.	4.475	34.561	27.408	

CAST EP3-80-RS-043 DATE 18 AUG 80 TIME 0542 GMT
LAT 07 59.4N LONG 110 02.8W



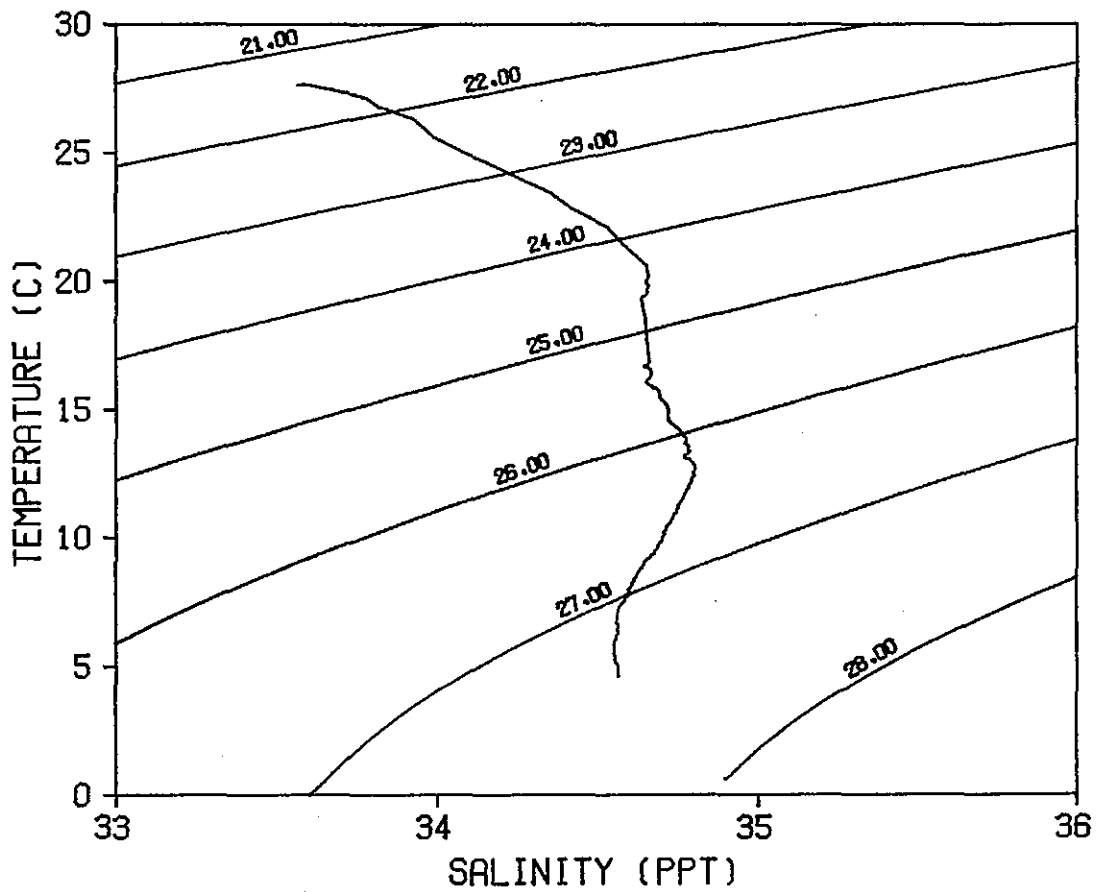
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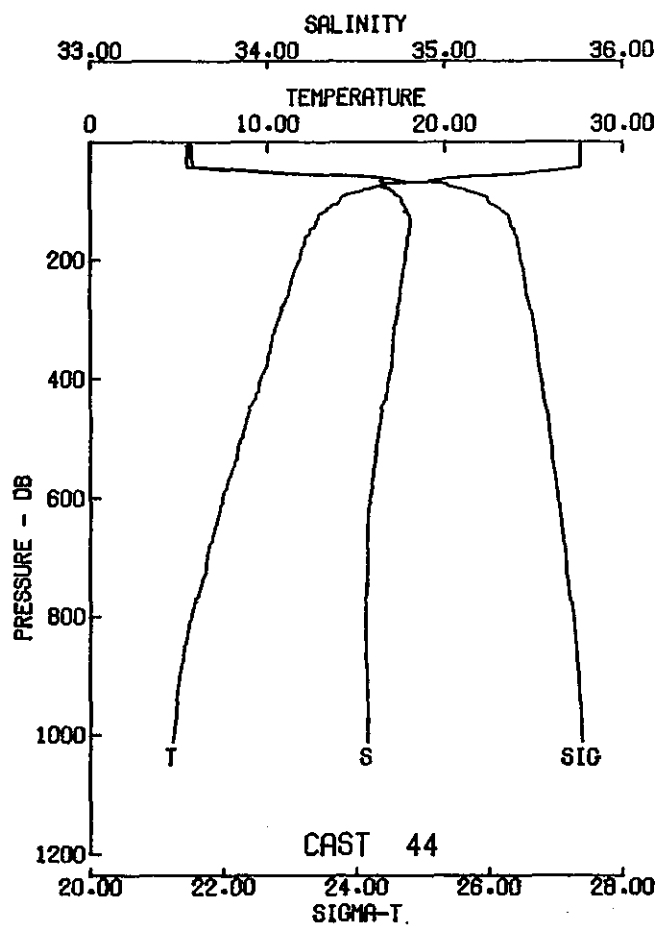


CAST EP3-80-RS-043 DATE 18 AUG 80 TIME 0542 GMT
 LAT 07 59.4N LONG 110 02.8W WEATHER 9 SEA STATE 3
 BAROMETER 12 WIND DIR 230 T SPD 12 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 24.8 WET 24.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	27.328	33.301	21.355	0.000
4.	27.327	33.302	21.355	
10.	27.330	33.302	21.355	.065
20.	27.329	33.303	21.356	.129
30.	27.337	33.308	21.357	.194
40.	27.359	33.480	21.479	.258
50.	25.996	33.922	22.241	.320
60.	21.262	34.572	24.115	.366
70.	19.538	34.683	24.658	.402
80.	18.821	34.693	24.851	.434
90.	16.138	34.660	24.472	.463
100.	14.772	34.633	23.556	.487
110.	13.808	34.625	22.955	.509
120.	13.493	34.691	22.071	.529
130.	13.121	34.798	21.230	.548
140.	12.586	34.806	20.342	.566
150.	12.321	34.795	19.386	.583
160.	12.118	34.787	18.419	.599
170.	11.973	34.786	17.446	.616
180.	11.923	34.788	16.457	.632
190.	11.776	34.778	15.477	.648
200.	11.525	34.766	14.515	.664
250.	10.978	34.742	13.597	.741
300.	10.417	34.718	12.679	.815
350.	10.046	34.705	11.733	.886
400.	9.518	34.678	10.801	.954
450.	9.053	34.651	9.856	1.020
500.	8.393	34.625	8.937	1.083
550.	7.711	34.582	8.008	1.142
600.	7.193	34.565	7.070	1.198
650.	6.933	34.566	6.107	1.252
700.	6.419	34.558	5.170	1.304
750.	6.033	34.551	4.214	1.353
800.	5.618	34.552	3.268	1.400
850.	5.291	34.556	2.310	1.445
900.	5.133	34.559	1.332	1.488
950.	4.888	34.561	0.362	1.530
1000.	4.388	34.566	0.400	1.570
1009.	4.582	34.566	27.400	

CAST EP3-80-RS-044 DATE 18 AUG 80 TIME 1059 GMT
LAT 08 29.8N LONG 109 59.4W

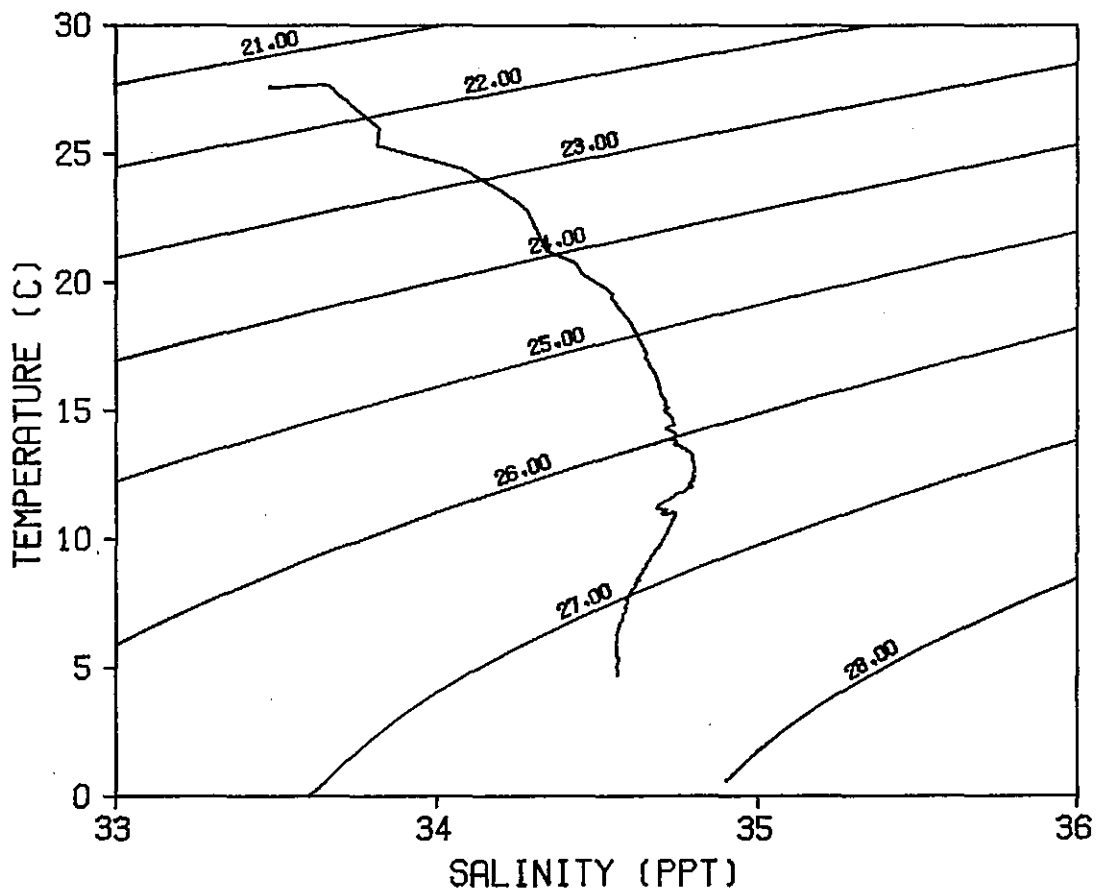


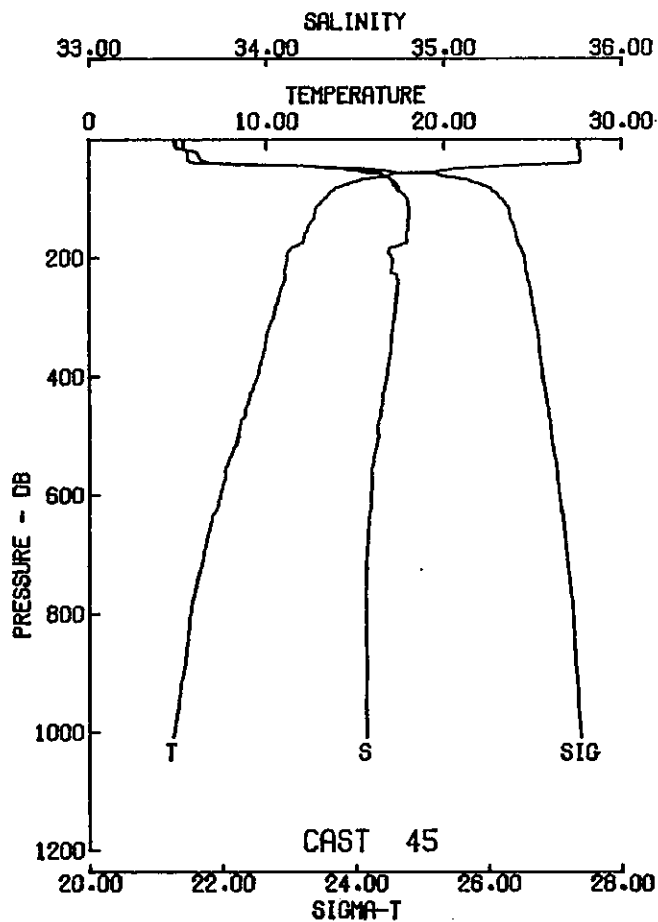


CAST EP3-80-RS-044 DATE 18 AUG 80 TIME 1059 GMT
 LAT 08 29.8N LONG 109 59.4W WEATHER 2 SEA STATE 3
 BAROMETER 14 WIND DIR 220 T SPD 11 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 26.0 WET 24.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	27.602	33.554	21.457	0.000
6.	27.635	33.567	21.455	
10.	27.649	33.570	21.453	.064
20.	27.645	33.570	21.454	.127
30.	27.648	33.570	21.454	.191
40.	27.661	33.582	21.459	.254
50.	26.016	33.955	22.260	.315
60.	21.068	34.613	24.199	.363
70.	16.838	34.661	25.310	.396
80.	15.648	34.692	25.608	.422
90.	14.520	34.725	25.881	.444
100.	14.103	34.757	25.995	.465
110.	13.640	34.777	26.107	.485
120.	13.081	34.784	26.227	.504
130.	12.836	34.804	26.292	.522
140.	12.695	34.804	26.319	.540
150.	12.399	34.798	26.373	.557
160.	12.224	34.793	26.403	.574
170.	12.075	34.787	26.427	.590
180.	11.962	34.784	26.446	.607
190.	11.873	34.779	26.460	.623
200.	11.825	34.778	26.468	.639
250.	11.254	34.750	26.553	.718
300.	10.613	34.726	26.650	.794
350.	10.155	34.707	26.716	.865
400.	9.650	34.687	26.786	.935
450.	8.980	34.643	26.862	1.001
500.	8.555	34.623	26.913	1.064
550.	8.058	34.602	26.972	1.125
600.	7.480	34.580	27.041	1.183
650.	7.025	34.563	27.092	1.238
700.	6.589	34.565	27.153	1.290
750.	6.240	34.563	27.197	1.341
800.	5.977	34.552	27.260	1.389
850.	5.311	34.554	27.307	1.434
900.	5.036	34.562	27.345	1.477
950.	4.849	34.564	27.368	1.518
1000.	4.691	34.564	27.386	1.559
1013.	4.635	34.563	27.392	

CAST EP3-80-RS-045 DATE 18 AUG 80 TIME 1551 GMT
LAT 09 00.1N LONG 110 00.0W

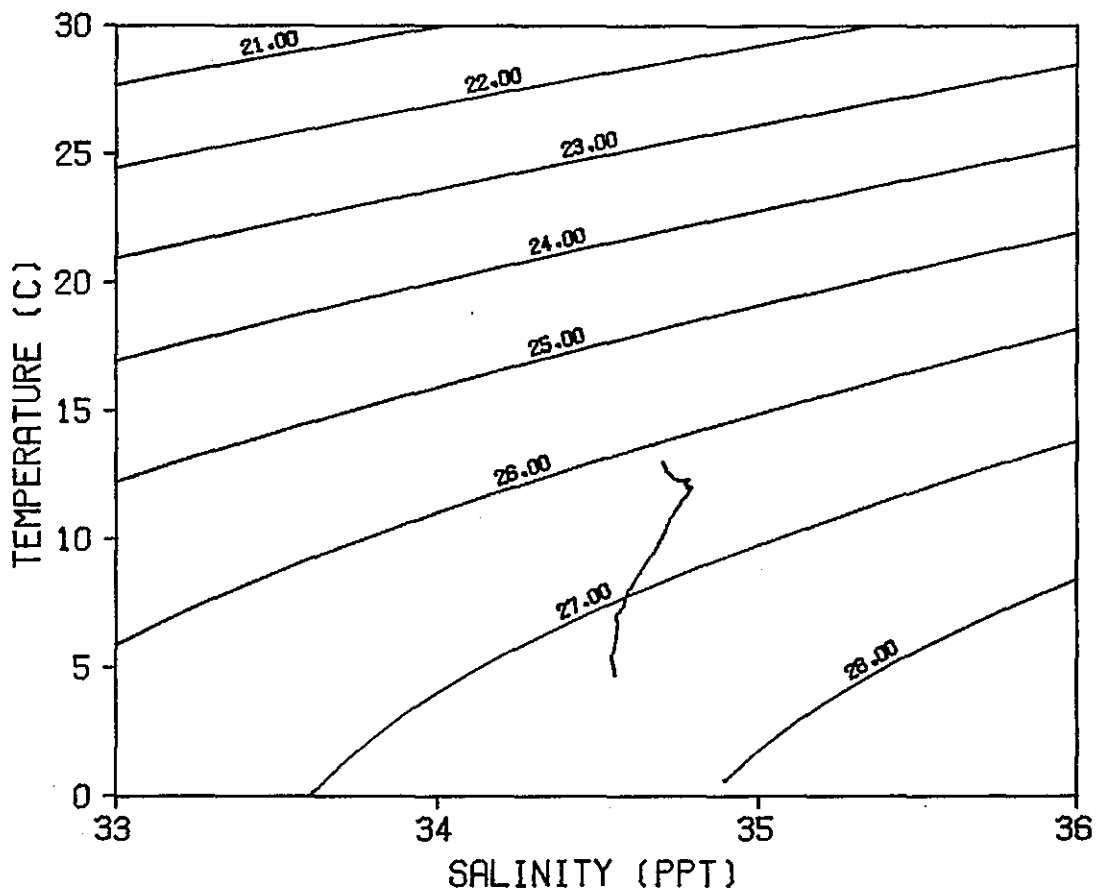


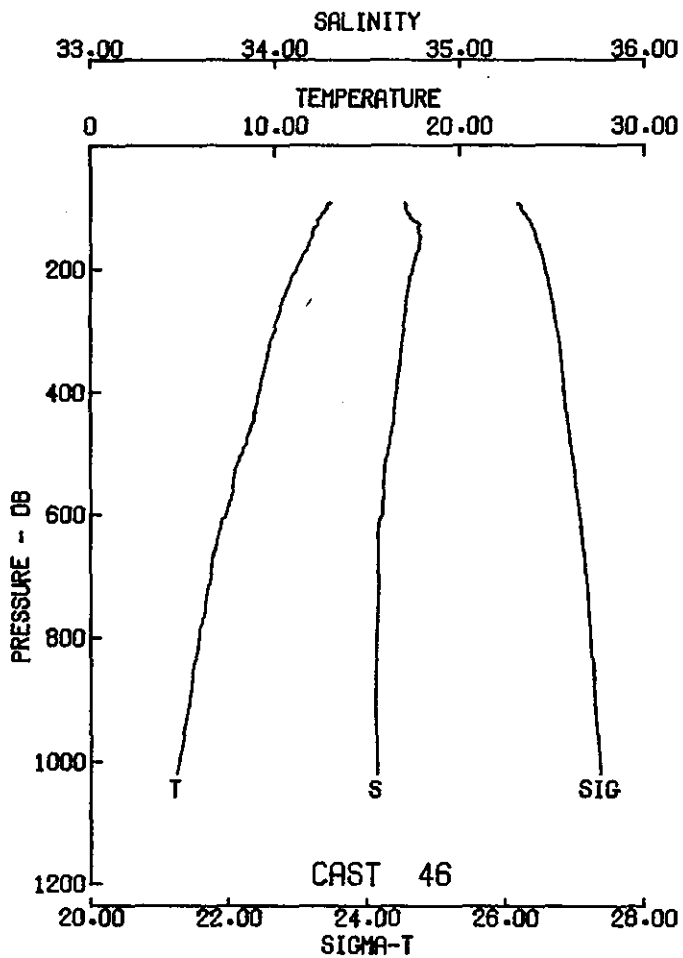


CAST EP3-80-RS-045 DATE 18 AUG 80 TIME 1551 GMT
 LAT 09 00.1N LONG 110 00.0W WEATHER 9 SEA STATE 3
 BAROMETER 11 WIND DIR 220 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 27.5 WET 24.8 DEPTH M

DEPTH (M)	PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	0.	27.575	33.478	21.408	0.000
3	3.	27.572	33.480	21.411	
10	10.	27.569	33.486	21.416	.064
20	20.	27.652	33.583	21.462	.128
30	30.	27.673	33.621	21.483	.191
40	40.	27.566	33.669	21.554	.254
50	50.	20.752	34.430	24.146	.304
60	60.	17.027	34.652	25.258	.337
70	70.	15.218	34.709	25.717	.362
80	80.	14.135	34.742	25.976	.384
90	90.	13.605	34.758	26.100	.404
100	100.	13.309	34.792	26.187	.423
110	110.	13.007	34.795	26.251	.441
120	120.	12.731	34.801	26.310	.459
130	130.	12.656	34.802	26.325	.476
140	140.	12.483	34.796	26.355	.494
150	150.	12.319	34.796	26.387	.511
160	160.	12.157	34.788	26.412	.527
170	170.	12.076	34.792	26.431	.544
180	180.	11.741	34.745	26.458	.560
190	190.	11.233	34.687	26.508	.576
200	200.	11.143	34.702	26.536	.592
250	250.	10.815	34.736	26.622	.668
300	300.	10.362	34.718	26.688	.741
350	350.	9.902	34.699	26.753	.811
400	400.	9.487	34.677	26.805	.879
450	450.	8.865	34.647	26.883	.943
500	500.	8.410	34.630	26.941	1.005
550	550.	7.754	34.597	27.014	1.066
600	600.	7.371	34.586	27.061	1.121
650	650.	6.815	34.575	27.130	1.174
700	700.	6.422	34.563	27.173	1.226
750	750.	6.014	34.558	27.223	1.275
800	800.	5.699	34.557	27.262	1.322
850	850.	5.529	34.559	27.284	1.367
900	900.	5.294	34.563	27.315	1.412
950	950.	5.035	34.558	27.342	1.455
1000	1000.	4.779	34.561	27.374	1.499
1009	1009.	4.703	34.562	27.384	

CAST EP3-80-RS-046 DATE 18 AUG 80 TIME 2036 GMT
LAT 09 29.8N LONG 109 59.1W

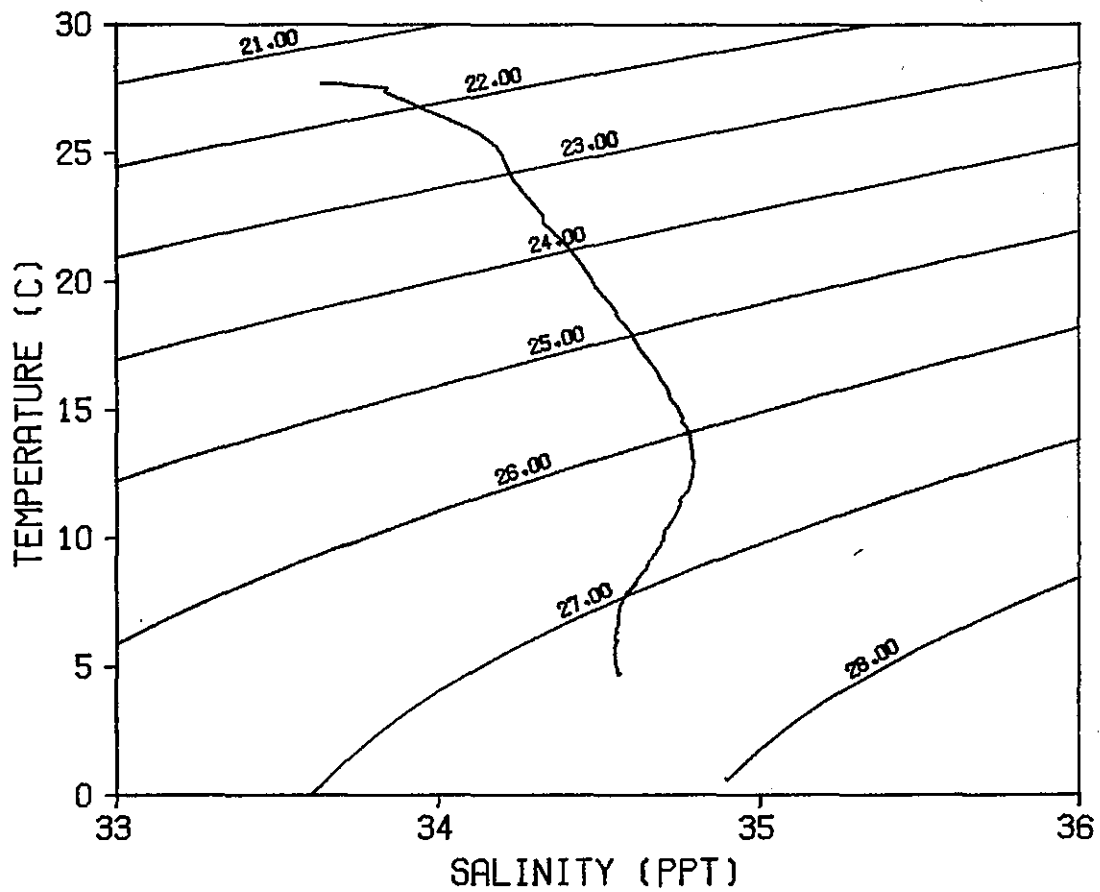




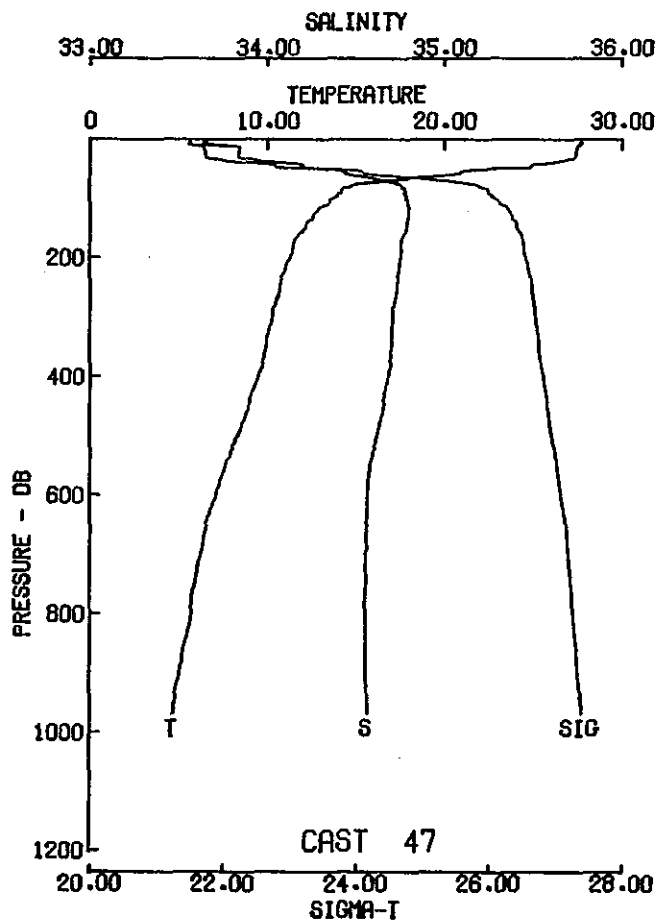
CAST EP3-80-RS-046 DATE 18 AUG 80 TIME 2036 GMT
 LAT 09 29.8N LONG 109 59.1W WEATHER 9 SEA STATE 2
 BAROMETER 12 WIND DIR 240 T SPD 09 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 26.0 WET 24.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
94.	12.998	34.706	26.184	
100.	12.828	34.710	26.220	.186
110.	12.588	34.725	26.280	.205
120.	12.330	34.748	26.348	.222
130.	12.295	34.786	26.384	.239
140.	12.050	34.779	26.426	.256
150.	12.019	34.794	26.443	.272
160.	11.800	34.782	26.476	.288
170.	11.696	34.778	26.492	.304
180.	11.466	34.762	26.523	.320
190.	11.291	34.753	26.548	.335
200.	11.161	34.745	26.566	.351
250.	10.440	34.713	26.670	.402
300.	9.983	34.698	26.737	.444
350.	9.513	34.679	26.802	.482
400.	9.176	34.659	26.842	.522
450.	8.802	34.640	26.887	.562
500.	8.220	34.612	26.956	.603
550.	7.757	34.591	27.009	.642
600.	7.345	34.582	27.062	.682
650.	6.876	34.561	27.111	.722
700.	6.537	34.562	27.157	.764
750.	6.257	34.560	27.193	.804
800.	5.928	34.555	27.231	.842
850.	5.560	34.548	27.272	.882
900.	5.397	34.547	27.290	.920
950.	5.099	34.552	27.330	.955
1000.	4.826	34.556	27.364	.990
1019.	4.709	34.557	27.379	1.025

CAST EP3-80-RS-047 DATE 19 AUG 80 TIME 0312 GMT
LAT 09 59.6N LONG 110 00.1W



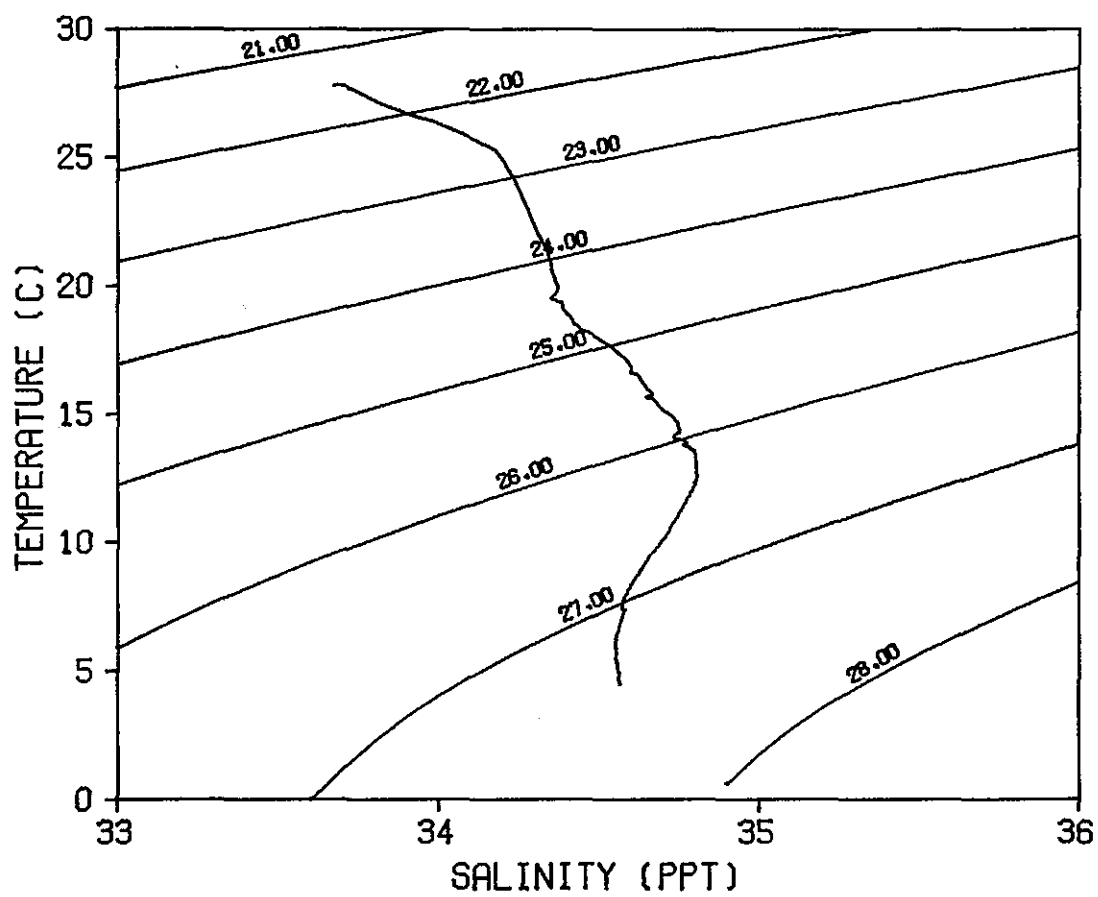
237

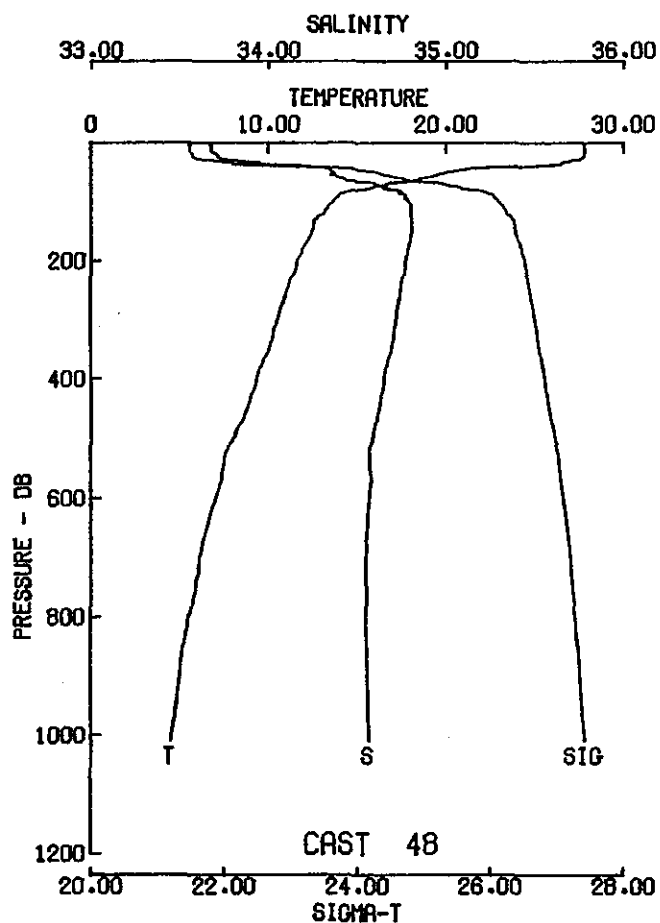


CAST EP3-80-RS-047 DATE 19 AUG 80 TIME 0312 GMT
 LAT 09 59.6N LONG 110 00.1W WEATHER 1 SEA STATE 2
 BARDMETER 12 WIND DIR 230 T SPD 11 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 25.2 WET 24.1 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	27.691	33.679	21.522	0.000
5.	27.700	33.652	21.498	
10.	27.667	33.713	21.555	.063
20.	27.437	33.838	21.723	.124
30.	27.373	33.835	21.741	.185
40.	26.053	34.075	22.339	.244
50.	26.574	34.330	23.566	.295
60.	26.430	34.460	24.255	.334
70.	16.803	34.665	25.321	.366
80.	14.711	34.760	25.867	.389
90.	14.172	34.780	25.998	.410
100.	13.837	34.788	26.075	.430
110.	13.460	34.791	26.155	.449
120.	13.815	34.796	26.290	.468
130.	13.545	34.795	26.342	.483
140.	13.224	34.788	26.399	.502
150.	12.122	34.786	26.417	.519
160.	11.778	34.775	26.475	.535
170.	11.519	34.755	26.508	.551
180.	11.440	34.754	26.521	.567
190.	11.401	34.755	26.530	.582
200.	11.266	34.753	26.553	.598
250.	10.668	34.728	26.642	.672
300.	10.246	34.705	26.698	.745
350.	9.916	34.700	26.751	.814
400.	9.449	34.680	26.814	.882
450.	8.929	34.655	26.879	.947
500.	8.331	34.621	26.946	1.009
550.	7.613	34.579	27.020	1.068
600.	7.100	34.565	27.083	1.123
650.	6.513	34.558	27.158	1.175
700.	6.228	34.554	27.192	1.225
750.	5.927	34.557	27.233	1.273
800.	5.683	34.552	27.259	1.320
850.	5.327	34.553	27.304	1.365
900.	5.061	34.555	27.337	1.408
950.	4.755	34.560	27.376	1.450
967.	4.674	34.564	27.388	1.450

CAST EP3-80-RS-048 DATE 19 AUG 80 TIME 0855 GMT
LAT 10 30.3N LONG 110 00.3W

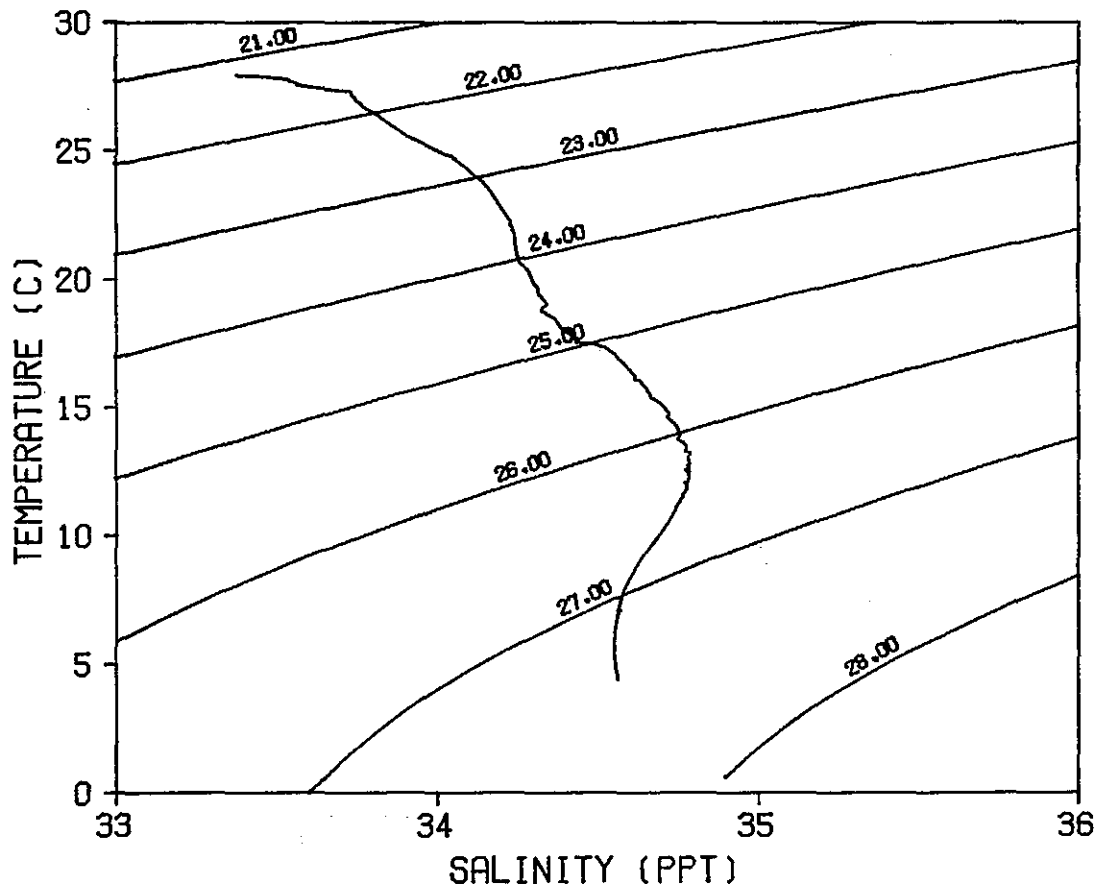




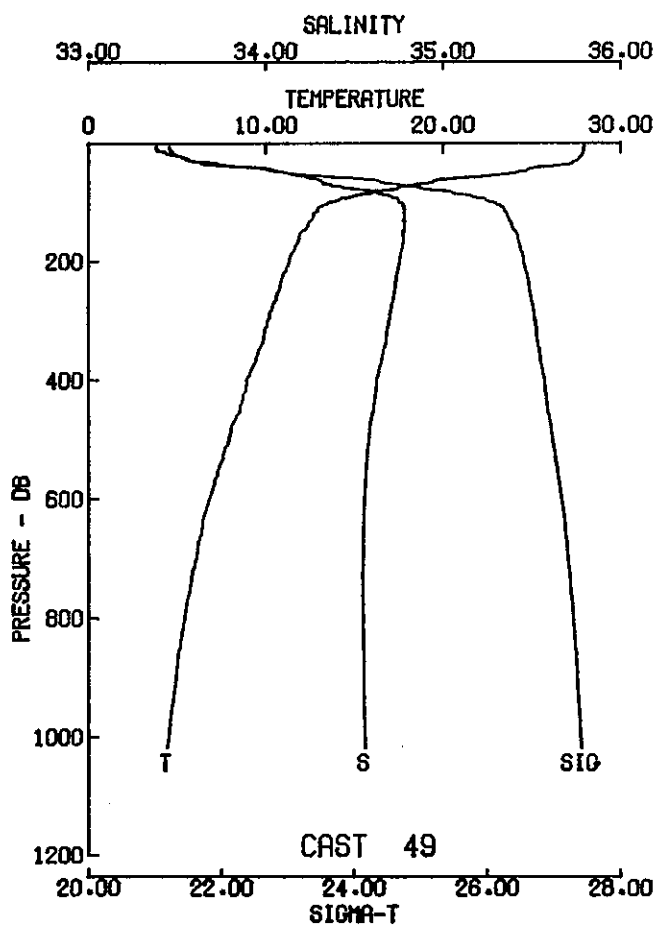
CAST EP3-80-RS-048 DATE 19 AUG 80 TIME 0855 GMT
 LAT 10 30.3N LONG 110 00.3W WEATHER 1 SEA STATE 2
 BAROMETER 13 WIND DIR 250 T SPD 09 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 27.0 WET 24.7 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	27.787	33.672	21.485	0.000
4.	27.799	33.674	21.483	
10.	27.818	33.676	21.478	.063
20.	27.764	33.713	21.524	.127
30.	27.132	33.812	21.801	.189
40.	24.948	34.195	22.768	.246
50.	20.035	34.366	24.287	.309
60.	18.588	34.420	24.700	.332
70.	16.636	34.600	25.311	.352
80.	14.909	34.727	25.799	.377
90.	13.921	34.772	26.045	.398
100.	13.633	34.792	26.120	.417
110.	13.300	34.803	26.197	.436
120.	13.067	34.803	26.244	.455
130.	12.597	34.807	26.341	.472
140.	12.498	34.805	26.359	.486
150.	12.431	34.804	26.372	.500
160.	12.279	34.800	26.398	.523
170.	12.087	34.792	26.429	.540
180.	11.884	34.783	26.461	.556
190.	11.768	34.778	26.479	.573
200.	11.571	34.769	26.509	.589
250.	11.038	34.744	26.588	.666
300.	10.496	34.718	26.664	.744
350.	10.014	34.692	26.729	.812
400.	9.331	34.652	26.811	.880
450.	8.779	34.621	26.876	.945
500.	7.997	34.585	26.969	1.006
550.	7.447	34.570	27.037	1.063
600.	7.024	34.567	27.095	1.118
650.	6.516	34.557	27.156	1.170
700.	6.102	34.548	27.204	1.220
750.	5.878	34.551	27.234	1.269
800.	5.502	34.550	27.280	1.314
850.	5.187	34.554	27.321	1.358
900.	5.009	34.557	27.344	1.401
950.	4.800	34.560	27.371	1.442
1000.	4.505	34.564	27.407	1.482
1010.	4.474	34.565	27.411	

CAST EP3-80-RS-049 DATE 19 AUG 80 TIME 1256 GMT
LAT 11 01.6N LONG 109 59.6W



CAST EP3-80-RS-049 DATE 19 AUG 80 TIME 1256 GMT
 LAT 11 01.6N LONG 109 59.6W WEATHER 1 SEA STATE 2
 BARMETER 14 WIND DIR 230 T SPD 08 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 29.0 WET 25.0 DEPTH M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	27.923	33.375	21.218	0.000
6.	27.952	33.380	21.213	
10.	27.910	33.382	21.227	.066
20.	27.861	33.478	21.316	.131
30.	27.528	33.578	21.498	.195
40.	26.127	33.840	22.139	.256
50.	24.156	34.107	22.939	.308
60.	20.595	34.260	24.059	.353
70.	18.471	34.364	24.687	.389
80.	16.800	34.579	25.256	.419
90.	15.029	34.706	25.756	.444
100.	13.804	34.750	26.052	.465
110.	12.998	34.780	26.241	.484
120.	12.724	34.783	26.298	.502
130.	12.603	34.783	26.322	.519
140.	12.378	34.786	26.368	.537
150.	12.070	34.771	26.416	.553
160.	11.886	34.778	26.457	.570
170.	11.783	34.776	26.475	.586
180.	11.643	34.770	26.496	.602
190.	11.429	34.761	26.529	.618
200.	11.347	34.757	26.541	.633
250.	10.746	34.729	26.629	.709
300.	10.115	34.696	26.714	.780
350.	9.611	34.667	26.777	.849
400.	8.934	34.628	26.857	.915
450.	8.550	34.611	26.904	.979
500.	7.935	34.585	26.978	1.039
550.	7.345	34.569	27.052	1.096
600.	6.834	34.561	27.117	1.150
650.	6.406	34.554	27.169	1.201
700.	6.089	34.552	27.209	1.250
750.	5.735	34.551	27.252	1.297
800.	5.409	34.553	27.294	1.342
850.	5.167	34.555	27.324	1.386
900.	4.947	34.557	27.352	1.428
950.	4.723	34.559	27.379	1.469
1000.	4.519	34.563	27.405	1.509
1018.	4.437	34.565	27.415	

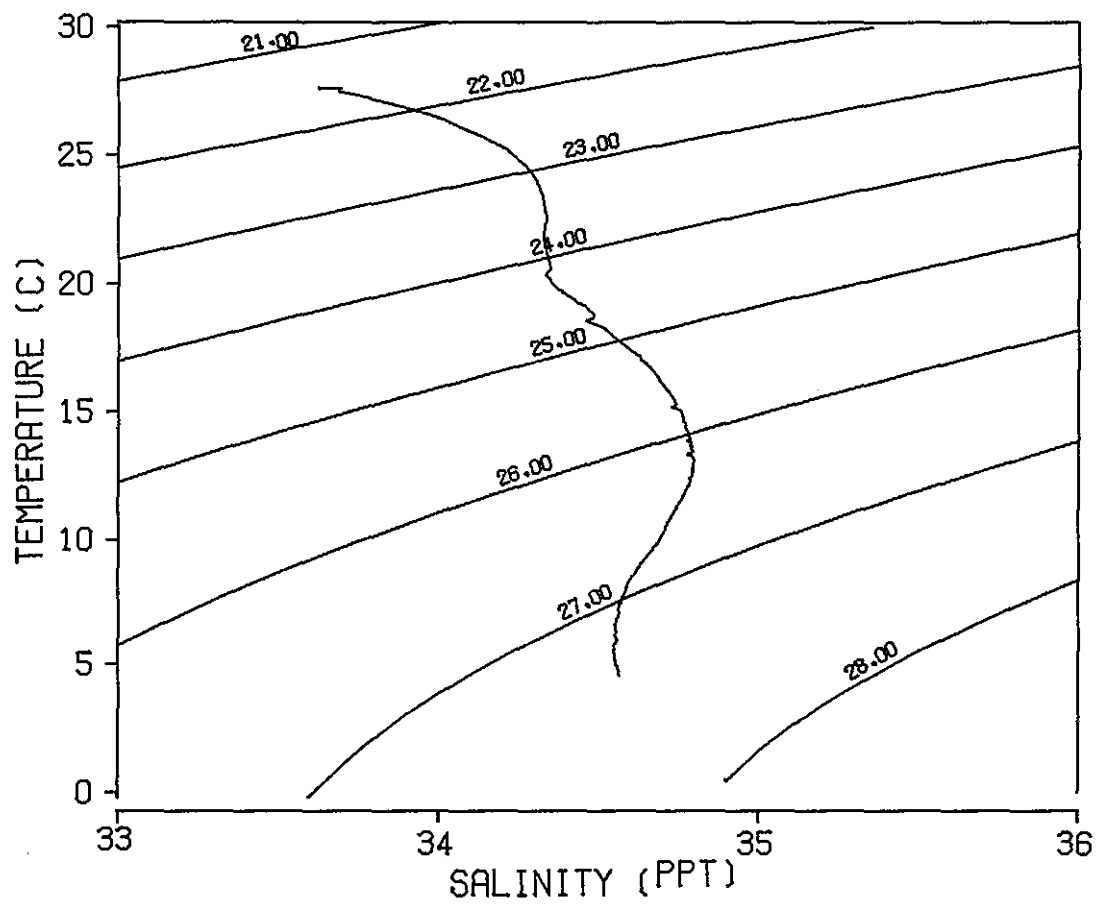


EP4-80-0C

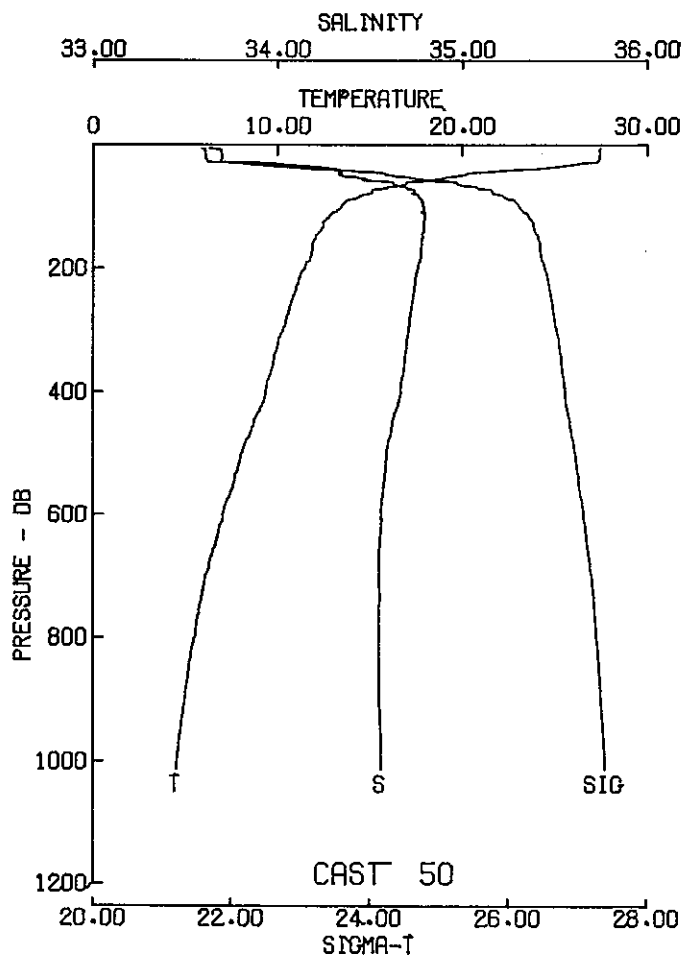
26 August - 19 September 1980

NBIS CTD Data Summary

CAST EP4-80-RS-050 DATE 29 AUG 80 TIME 0333 GMT
LAT 10 00.3N LONG 109 59.8W

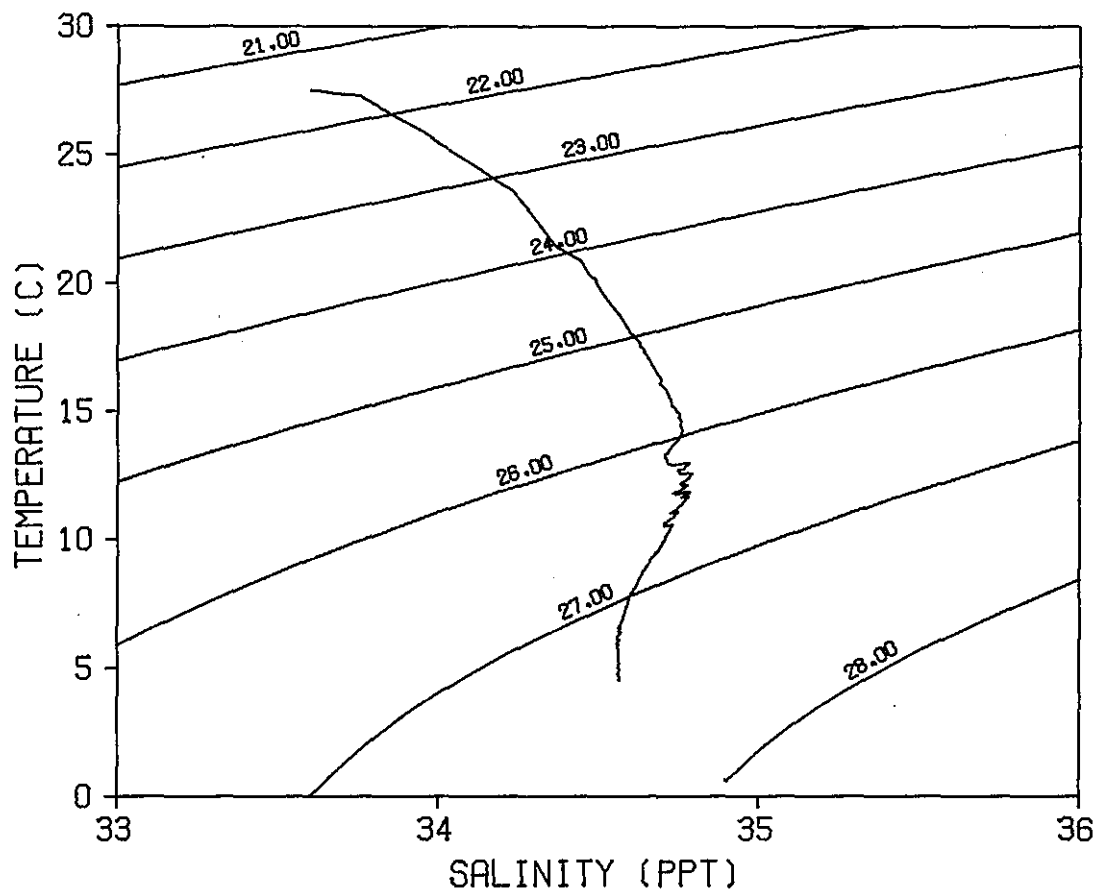


CAST EP4-80-RS-050 DATE 29 AUG 80 TIME 0333 GMT
 LAT 10 00.3N LONG 109 59.8W WEATHER 2 SEA STATE 3
 BAROMETER 15 WIND DIR 000 T SPD 03 KT VISIBILITY 7
 CLOUD 9 AMOUNT X DRY 24.9 WET 23.0 DEPTH M

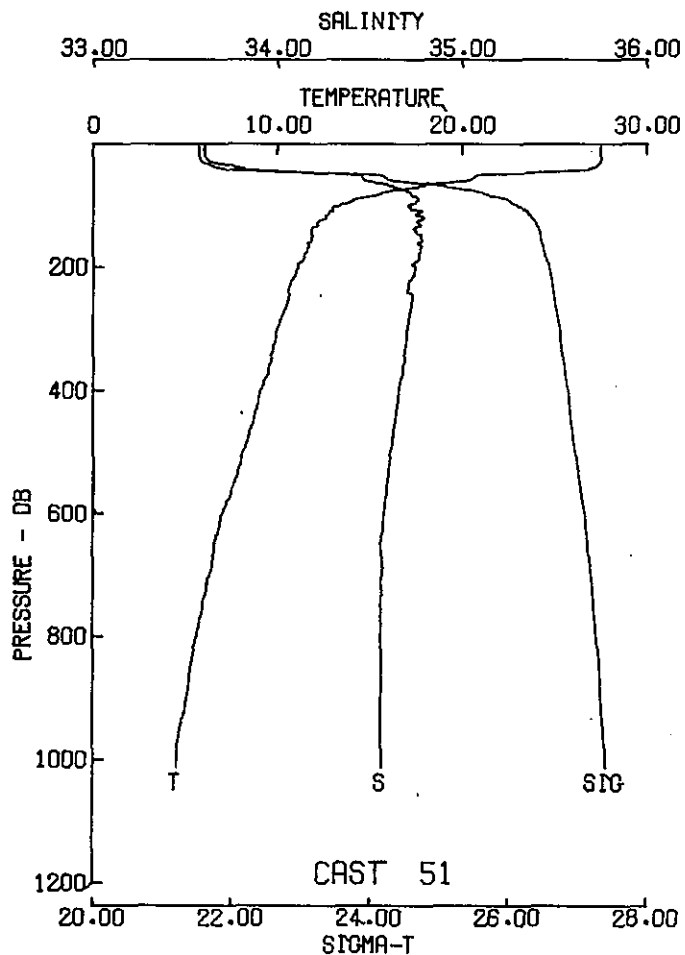


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	27.453	33.325	21.333	0.000
6.	27.433	33.631	21.569	
10.	27.427	33.694	21.618	.063
20.	27.419	33.698	21.623	.125
30.	26.427	33.958	22.134	.186
40.	23.856	34.303	23.176	.239
50.	19.948	34.346	24.295	.279
60.	17.429	34.578	25.106	.312
70.	15.960	34.698	25.542	.339
80.	14.907	34.752	25.818	.362
90.	13.803	34.786	26.081	.383
100.	13.459	34.791	26.155	.402
110.	13.093	34.786	26.226	.421
120.	12.707	34.798	26.312	.439
130.	12.472	34.795	26.357	.456
140.	12.336	34.792	26.381	.473
150.	12.067	34.785	26.427	.489
160.	11.910	34.781	26.454	.506
170.	11.892	34.780	26.456	.522
180.	11.825	34.777	26.467	.538
190.	11.617	34.769	26.500	.554
200.	11.470	34.762	26.522	.570
250.	10.813	34.734	26.621	.646
300.	10.301	34.711	26.693	.719
350.	9.806	34.693	26.764	.788
400.	9.381	34.669	26.816	.856
450.	8.730	34.626	26.888	.920
500.	8.077	34.593	26.963	.982
550.	7.645	34.579	27.016	1.040
600.	7.063	34.565	27.088	1.095
650.	6.648	34.557	27.139	1.148
700.	6.122	34.552	27.204	1.198
750.	5.802	34.553	27.245	1.246
800.	5.552	34.552	27.276	1.292
850.	5.217	34.554	27.318	1.336
900.	5.009	34.556	27.343	1.378
950.	4.781	34.562	27.375	1.420
1000.	4.578	34.564	27.399	1.460
1012.	4.544	34.566	27.403	

CAST EP4-80-RS-051 DATE 29 AUG 80 TIME 0957 GMT
LAT 09 00.1N LONG 109 59.8W



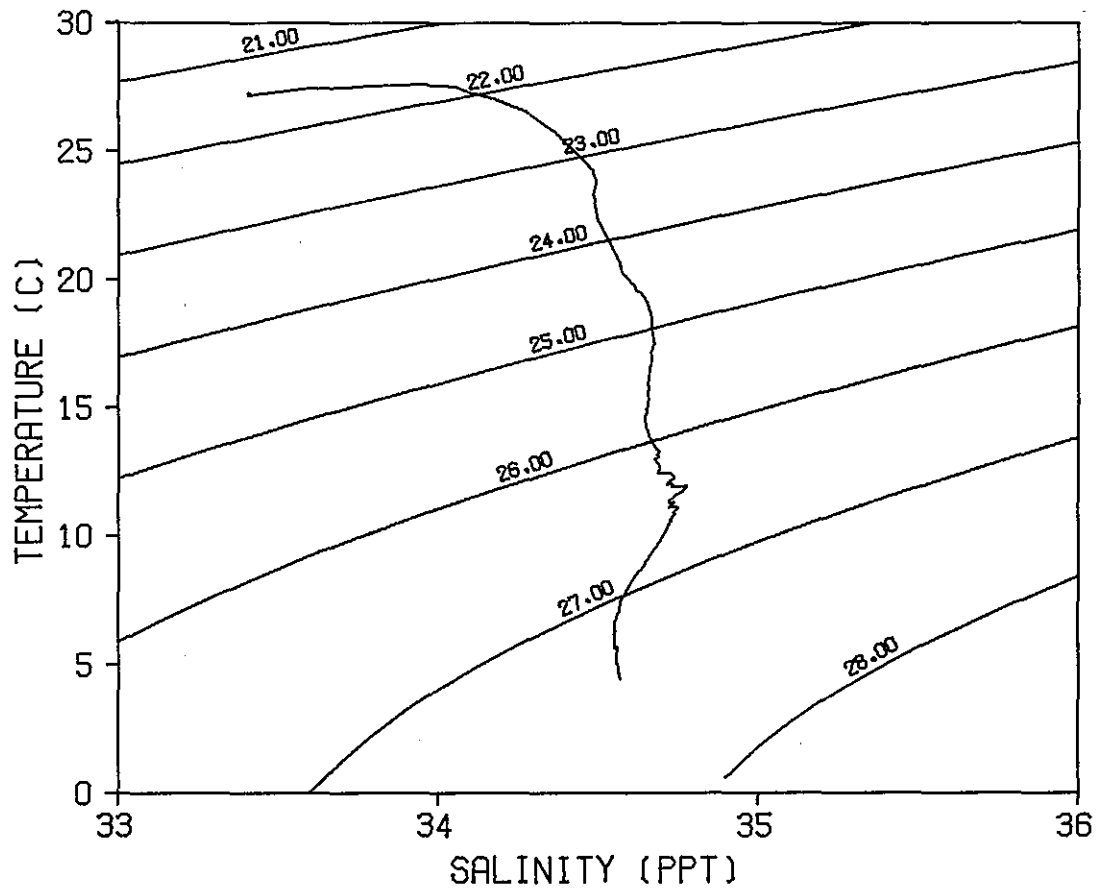
CAST EP4-80-RS-051 DATE 29 AUG 80 TIME 0957 GMT
 LAT 09 00.1N LONG 109 59.8W WEATHER 1 SEA STATE 1
 BARDMETER 15 WIND DIR 000 T SPD 00 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 26.2 WET 23.0 DEPTH M



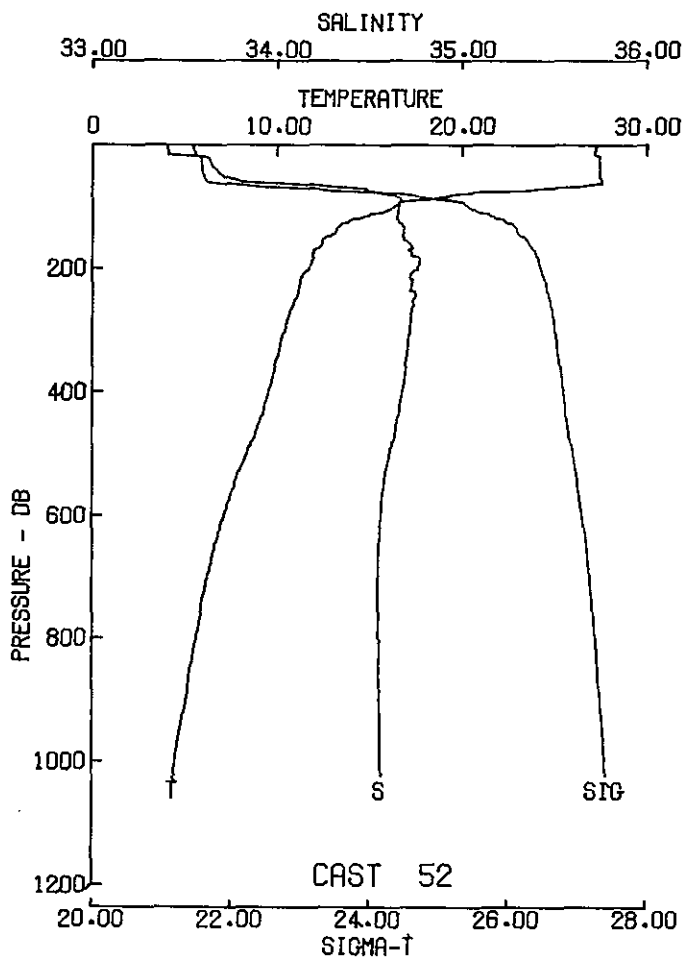
PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	27.506	33.605	21.526	0.000
5.	27.506	33.603	21.524	
10.	27.497	33.602	21.526	.063
20.	27.498	33.604	21.528	.126
30.	27.444	33.644	21.575	.189
40.	26.953	33.801	21.850	.250
50.	21.391	34.367	23.925	.303
60.	20.280	34.471	24.302	.340
70.	17.605	34.625	25.099	.373
80.	15.620	34.716	25.633	.399
90.	14.242	34.760	25.968	.421
100.	13.355	34.711	26.111	.441
110.	12.969	34.783	26.249	.460
120.	12.589	34.790	26.330	.478
130.	12.134	34.770	26.403	.495
140.	11.831	34.747	26.442	.511
150.	11.839	34.776	26.464	.528
160.	11.765	34.776	26.477	.544
170.	11.632	34.778	26.504	.559
180.	11.448	34.764	26.528	.575
190.	11.303	34.754	26.547	.591
200.	11.078	34.743	26.579	.606
250.	10.558	34.727	26.661	.680
300.	9.976	34.703	26.763	.750
350.	9.625	34.687	26.790	.818
400.	9.038	34.654	26.861	.884
450.	8.689	34.637	26.903	.947
500.	8.107	34.612	26.973	1.008
550.	7.648	34.593	27.026	1.066
600.	7.017	34.576	27.103	1.121
650.	6.582	34.558	27.148	1.173
700.	6.317	34.565	27.189	1.223
750.	5.955	34.557	27.229	1.271
800.	5.648	34.560	27.271	1.317
850.	5.293	34.560	27.313	1.362
900.	5.087	34.561	27.338	1.405
950.	4.739	34.560	27.377	1.447
1000.	4.528	34.562	27.403	1.486
1012.	4.509	34.562	27.405	

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CAST EP4-80-RS-052 DATE 29 AUG 80 TIME 1852 GMT
LAT 07 28.8N LONG 109 59.6W

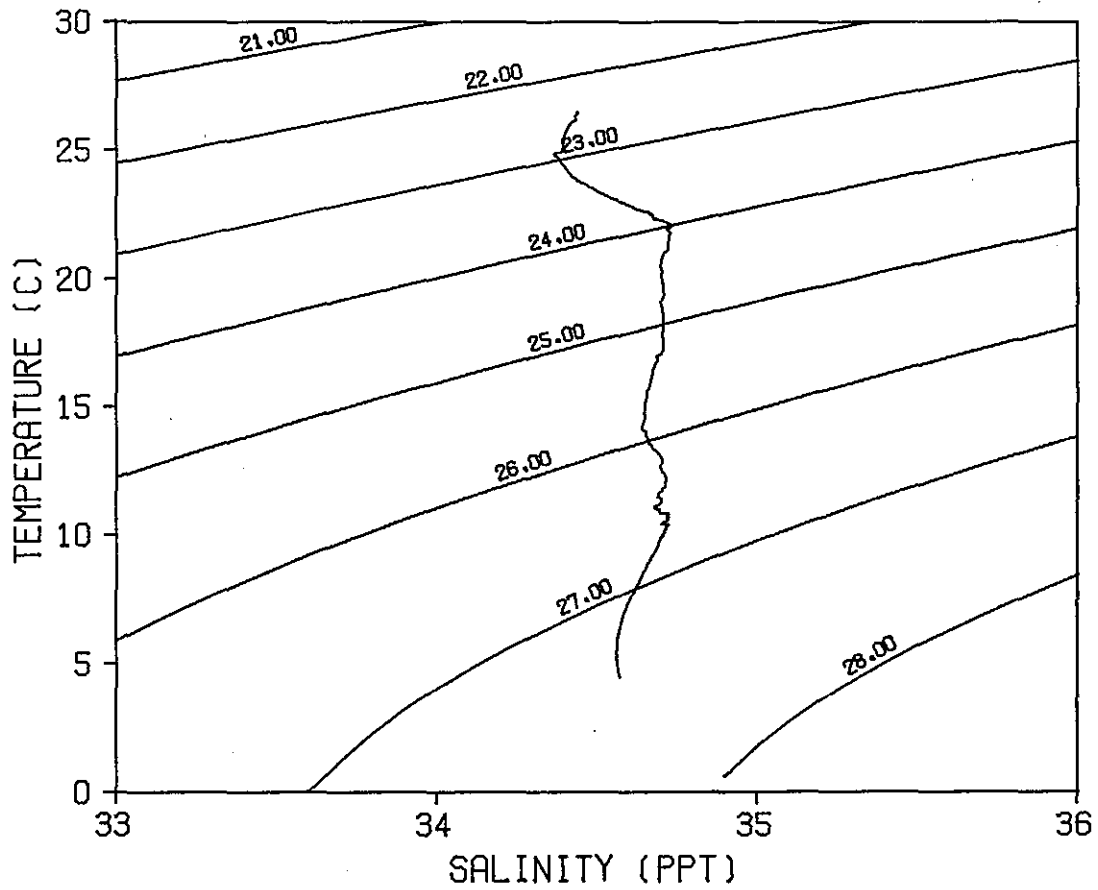


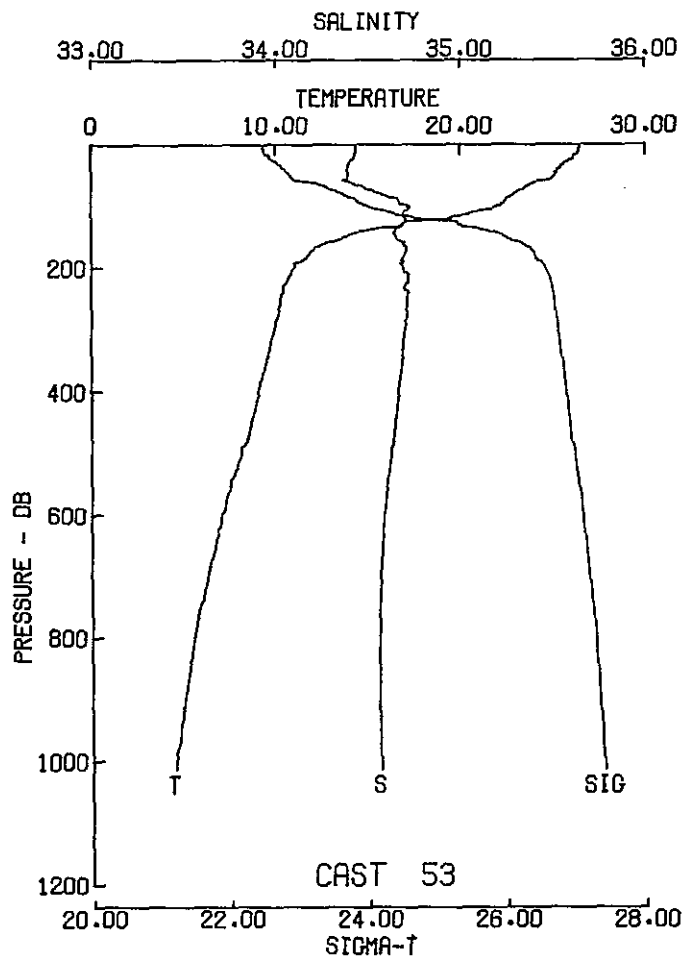
CAST EP4-80-RS-052 DATE 29 AUG 80 TIME 1852 GMT
 LAT 07 28.8N LONG 109 59.6W WEATHER 1 SEA STATE 2
 BAROMETER 13 WIND DIR 160 T SPD 08 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 25.8 WET 24.0 DEPTH M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	27.257	33.402	21.453	0.000
4.	27.255	33.406	21.456	
10.	27.195	33.411	21.480	.064
20.	27.453	33.617	21.552	.127
30.	27.439	33.644	21.577	.189
40.	27.468	33.671	21.587	.252
50.	27.477	33.705	21.610	.314
60.	27.562	33.804	21.657	.376
70.	25.035	34.418	22.910	.433
80.	19.756	34.611	24.547	.476
90.	17.505	34.674	25.161	.508
100.	16.368	34.656	25.416	.535
110.	15.710	34.655	25.566	.560
120.	14.264	34.647	25.876	.583
130.	13.430	34.678	26.074	.603
140.	13.149	34.685	26.137	.623
150.	12.648	34.689	26.240	.642
160.	12.443	34.722	26.305	.660
170.	12.072	34.717	26.374	.677
180.	11.923	34.729	26.412	.694
190.	11.905	34.773	26.449	.710
200.	11.757	34.766	26.471	.727
250.	10.963	34.740	26.598	.805
300.	10.453	34.722	26.675	.878
350.	9.966	34.700	26.742	.949
400.	9.524	34.677	26.795	1.017
450.	9.049	34.651	26.856	1.083
500.	8.350	34.607	26.932	1.146
550.	7.707	34.579	27.007	1.205
600.	7.149	34.565	27.076	1.261
650.	6.628	34.550	27.136	1.314
700.	6.255	34.550	27.185	1.365
750.	5.921	34.550	27.228	1.413
800.	5.630	34.549	27.266	1.460
850.	5.314	34.554	27.306	1.505
900.	5.083	34.554	27.333	1.548
950.	4.764	34.560	27.375	1.590
1000.	4.509	34.563	27.406	1.630
1022.	4.427	34.566	27.417	

CAST EP4-80-RS-053 DATE 30 AUG 80 TIME 0315 GMT
LAT 05 58.9N LONG 110 00.3W



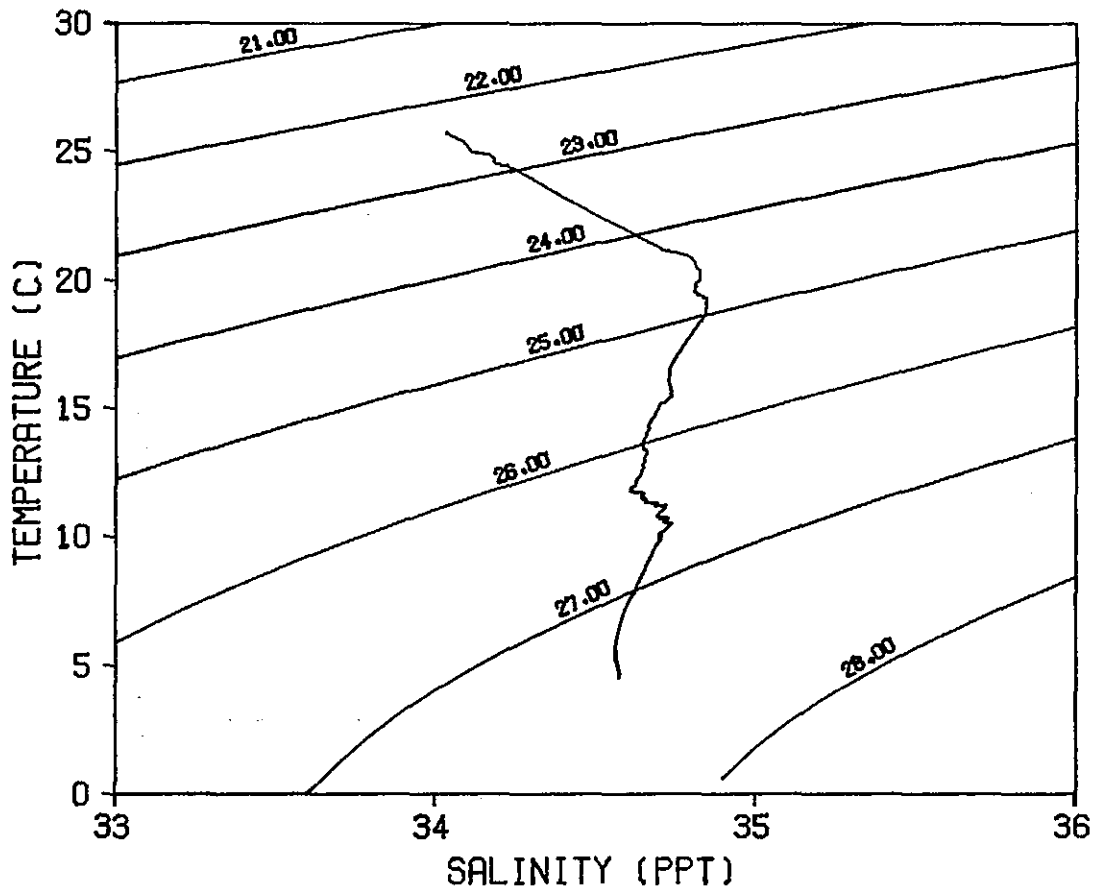


CAST EP4-80-RS-053 DATE 30 AUG 80 TIME 0315 GMT
 LAT 05 58.9N LONG 110 00.3W WEATHER 9 SEA STATE 2
 BAROMETER 14 WIND DIR 140 T SPD 13 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 24.2 WET 23.0 DEPTH M

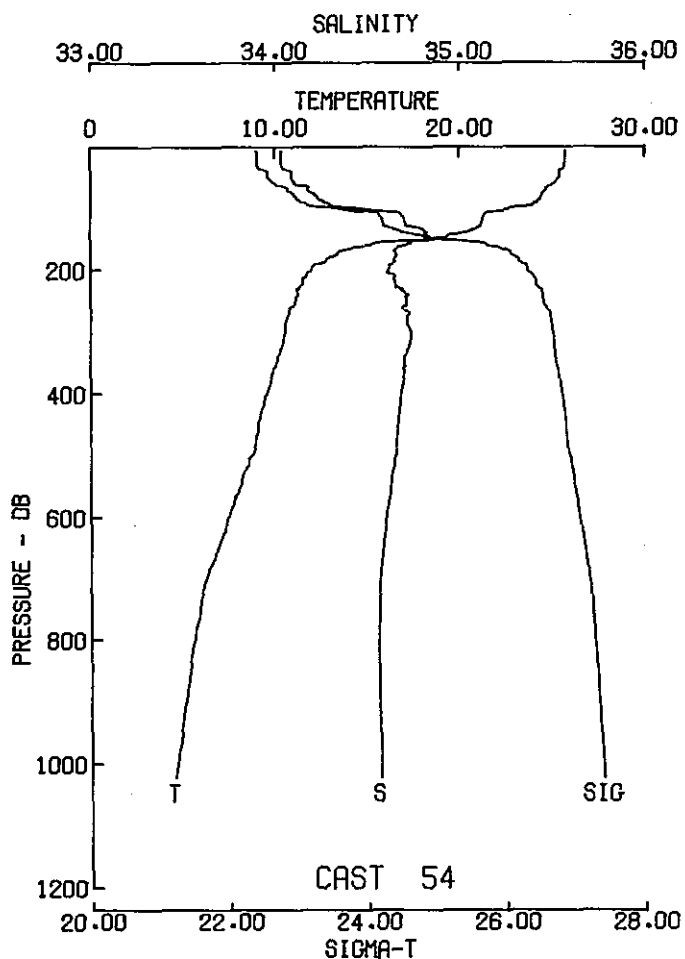
PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	26.554	34.430	22.449	0.000
5.	26.464	34.436	22.482	
10.	26.426	34.438	22.495	.054
20.	26.157	34.429	22.573	.107
30.	25.688	34.401	22.697	.159
40.	25.358	34.396	22.795	.211
50.	25.096	34.391	22.871	.261
60.	24.450	34.389	23.064	.311
70.	23.533	34.477	23.402	.357
80.	22.970	34.573	23.637	.402
90.	22.531	34.665	23.832	.444
100.	22.193	34.716	23.966	.484
110.	20.947	34.707	24.303	.523
120.	19.572	34.705	24.666	.558
130.	16.958	34.682	25.298	.588
140.	15.099	34.650	25.698	.613
150.	13.837	34.653	25.971	.635
160.	12.818	34.703	26.217	.655
170.	12.123	34.711	26.359	.673
180.	11.791	34.703	26.416	.690
190.	11.465	34.692	26.469	.706
200.	11.013	34.692	26.552	.722
250.	10.290	34.717	26.700	.795
300.	9.948	34.704	26.749	.864
350.	9.479	34.686	26.813	.931
400.	9.062	34.666	26.866	.996
450.	8.679	34.649	26.914	1.059
500.	8.113	34.626	26.983	1.119
550.	7.571	34.605	27.047	1.176
600.	7.046	34.586	27.107	1.231
650.	6.677	34.576	27.150	1.283
700.	6.305	34.569	27.194	1.333
750.	5.861	34.561	27.245	1.381
800.	5.524	34.559	27.285	1.427
850.	5.274	34.559	27.315	1.471
900.	5.038	34.560	27.343	1.514
950.	4.772	34.562	27.376	1.555
1000.	4.528	34.566	27.406	1.595
1013.	4.492	34.568	27.411	

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CAST EP4-80-RS-054 DATE 30 AUG 80 TIME 0924 GMT
LAT 05 00.5N LONG 110 00.7W

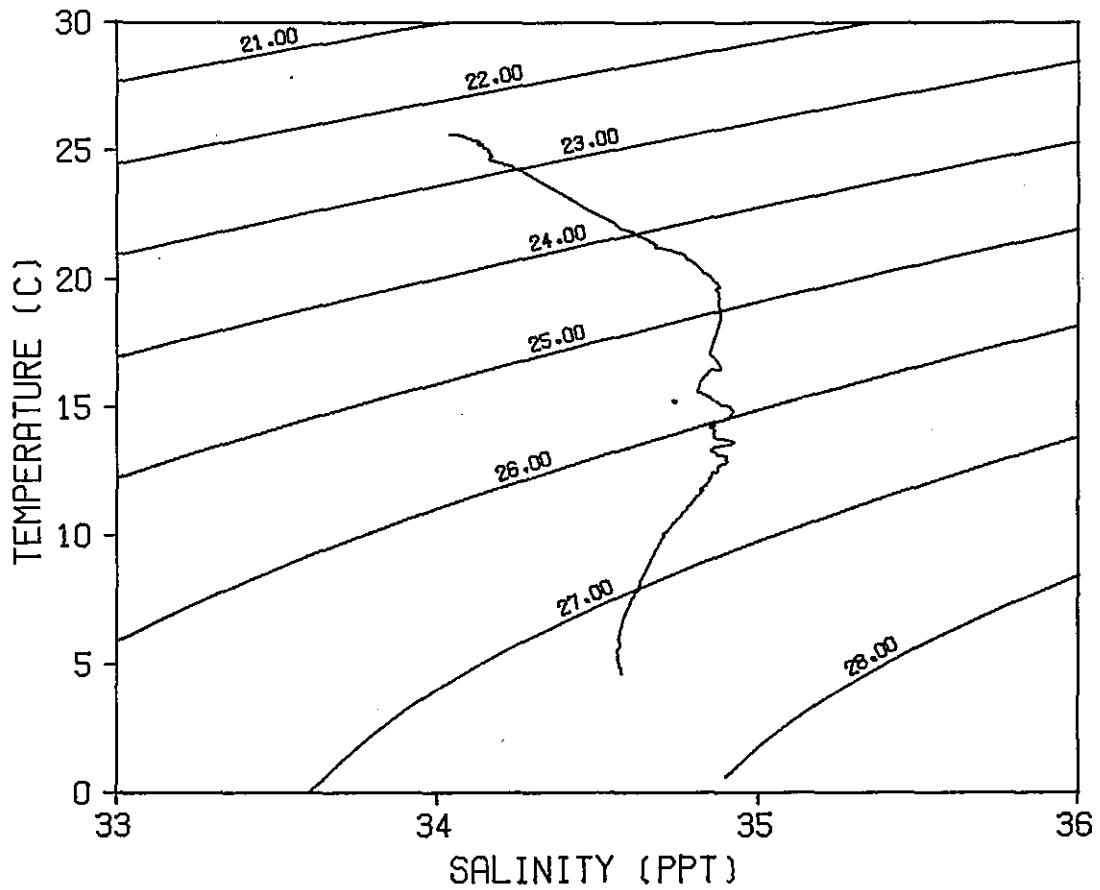


CAST EP4-80-RS-054 DATE 30 AUG 80 TIME 0924 GMT
 LAT 09 00.5N LONG 110 00.7W WEATHER 8 SEA STATE 3
 BAROMETER 14 WIND DIR 170 T SPD 10 KT VISIBILITY 6
 CLOUD X AMOUNT 9 DRY 24.0 WET 23.5 DEPTH M

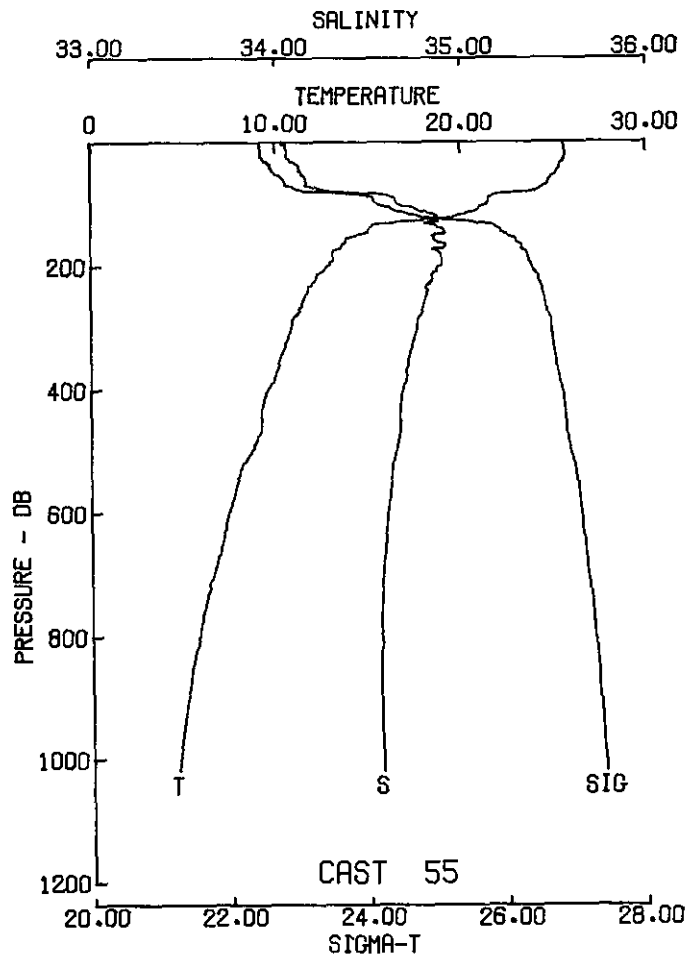


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	25.768	34.030	22.394	0.000
6.	25.741	34.033	22.404	
10.	25.724	34.035	22.411	.054
20.	25.718	34.034	22.412	.109
30.	25.699	34.039	22.421	.163
40.	25.597	34.087	22.550	.217
50.	25.374	34.086	22.557	.270
60.	25.076	34.104	22.661	.323
70.	24.653	34.178	22.845	.374
80.	24.416	34.223	22.950	.424
90.	24.211	34.261	23.039	.473
100.	22.926	34.444	23.552	.521
110.	21.368	34.684	24.171	.561
120.	21.234	34.703	24.222	.599
130.	21.090	34.745	24.293	.636
140.	20.176	34.825	24.599	.672
150.	18.743	34.846	24.986	.704
160.	15.220	34.709	25.716	.730
170.	13.525	34.645	26.029	.751
180.	12.975	34.651	26.146	.771
190.	12.473	34.639	26.236	.790
200.	11.980	34.617	26.314	.808
250.	11.138	34.716	26.548	.890
300.	10.521	34.734	26.673	.964
350.	10.102	34.701	26.720	1.035
400.	9.535	34.683	26.802	1.104
450.	9.078	34.665	26.862	1.169
500.	8.716	34.651	26.909	1.233
550.	8.089	34.625	26.986	1.293
600.	7.492	34.603	27.057	1.350
650.	6.888	34.582	27.126	1.404
700.	6.249	34.568	27.200	1.455
750.	5.863	34.561	27.245	1.502
800.	5.594	34.559	27.276	1.548
850.	5.345	34.560	27.307	1.593
900.	5.127	34.563	27.335	1.636
950.	4.896	34.567	27.365	1.678
1000.	4.654	34.571	27.396	1.718
1022.	4.547	34.569	27.406	

CAST EP4-80-RS-055 DATE 31 AUG 80 TIME 1212 GMT
LAT 04 34.8N LONG 110 05.3W

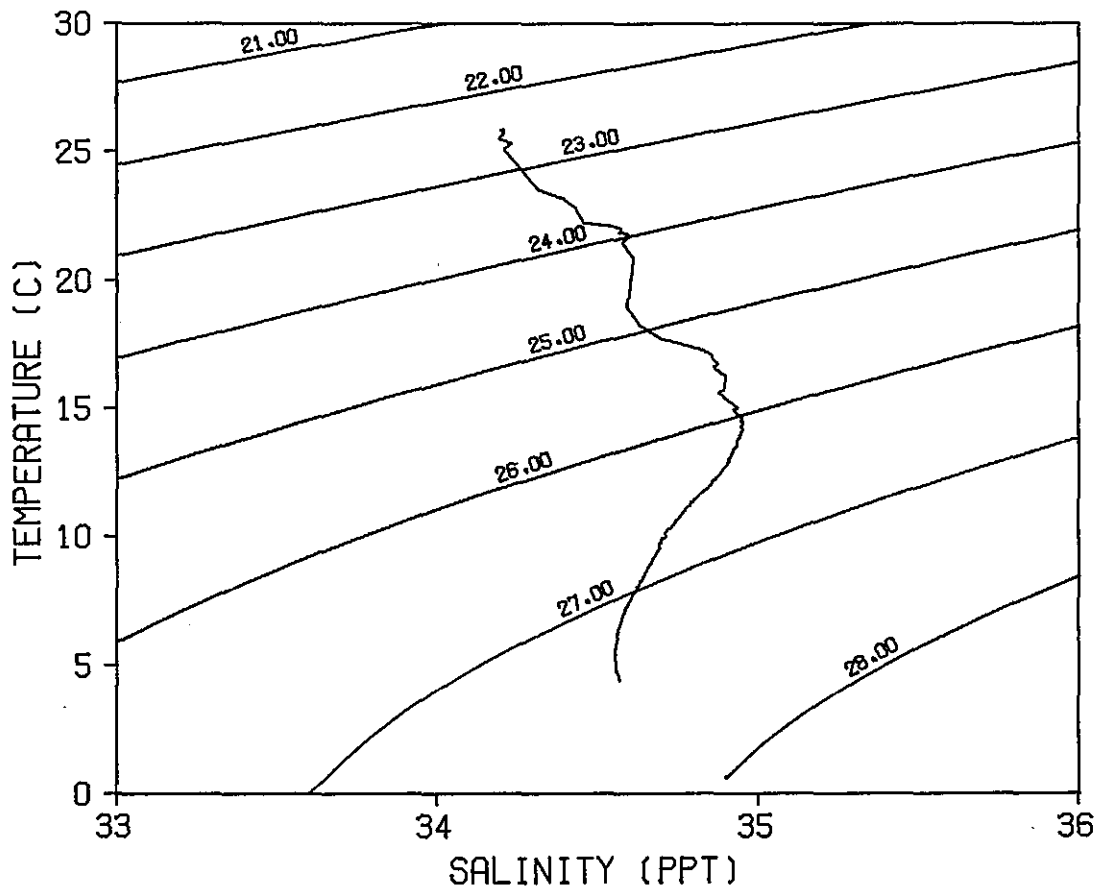


CAST EP4-80-RS-055 DATE 31 AUG 80 TIME 1212 GMT
 LAT 04 34.8N LONG 110 05.3W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 140 T SPD 18 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 25.0 WET 22.1 DEPTH M

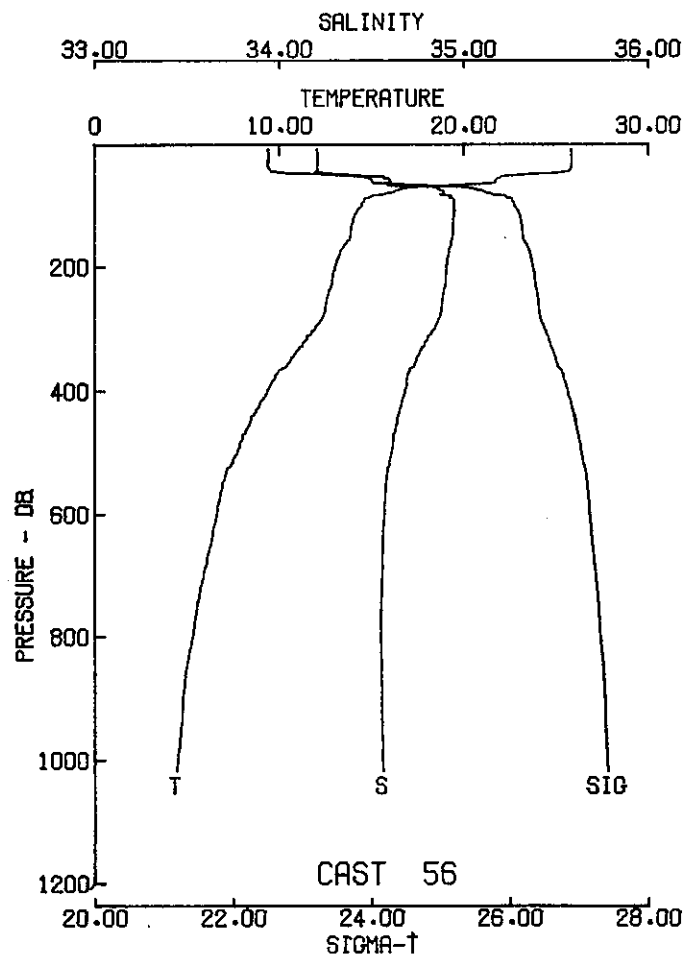


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	25.635	34.022	22.428	0.000
4.	25.639	34.040	22.440	
10.	25.642	34.059	22.454	.054
20.	25.644	34.060	22.455	.108
30.	25.566	34.081	22.494	.162
40.	25.377	34.125	22.585	.215
50.	25.194	34.142	22.653	.268
60.	24.837	34.168	22.781	.319
70.	24.626	34.162	22.840	.370
80.	23.599	34.345	23.283	.419
90.	21.590	34.649	24.083	.460
100.	21.421	34.670	24.146	.499
110.	20.841	34.773	24.302	.536
120.	19.696	34.880	24.768	.570
130.	16.461	34.851	25.544	.598
140.	15.041	34.909	25.910	.621
150.	14.417	34.857	26.006	.642
160.	13.801	34.870	26.146	.662
170.	13.579	34.918	26.229	.680
180.	13.114	34.888	26.301	.699
190.	13.092	34.899	26.314	.716
200.	12.826	34.895	26.363	.734
250.	11.589	34.816	26.542	.815
300.	10.836	34.764	26.640	.891
350.	10.246	34.721	26.711	.964
400.	9.587	34.687	26.796	1.033
450.	9.196	34.670	26.848	1.099
500.	8.665	34.649	26.916	1.163
550.	7.898	34.623	27.013	1.222
600.	7.428	34.603	27.066	1.279
650.	7.045	34.589	27.109	1.333
700.	6.591	34.575	27.161	1.385
750.	6.113	34.566	27.216	1.434
800.	5.816	34.567	27.255	1.482
850.	5.385	34.559	27.302	1.527
900.	5.151	34.560	27.331	1.571
950.	4.908	34.566	27.364	1.613
1000.	4.694	34.571	27.392	1.653
1018.	4.639	34.572	27.399	

CAST EP4-80-RS-056 DATE 01 SEP 80 TIME 0230 GMT
LAT 01 59.6N LONG 110 00.2W

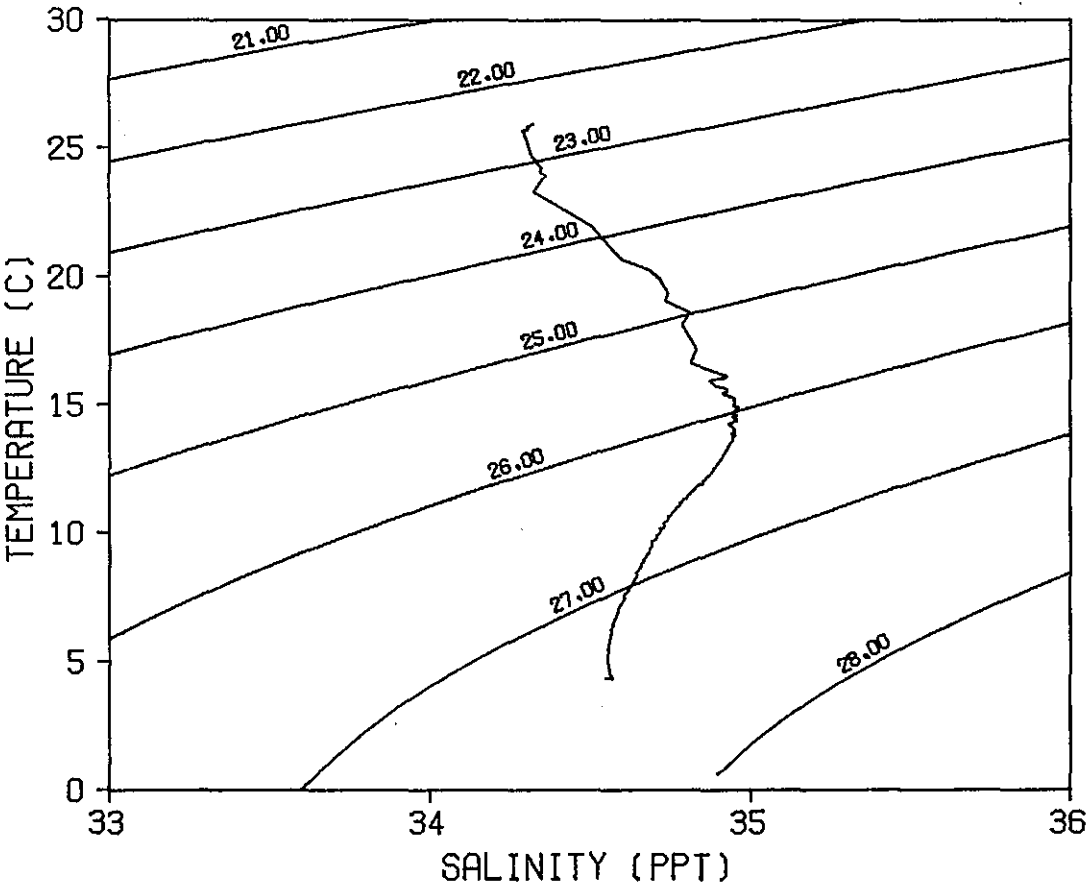


CAST EP4-80-RS-056 DATE 01 SEP 80 TIME 0230 GMT
 LAT 01 59.6N LONG 110 00.2W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 120 T SPD 13 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 23.1 WET 20.8 DEPTH M

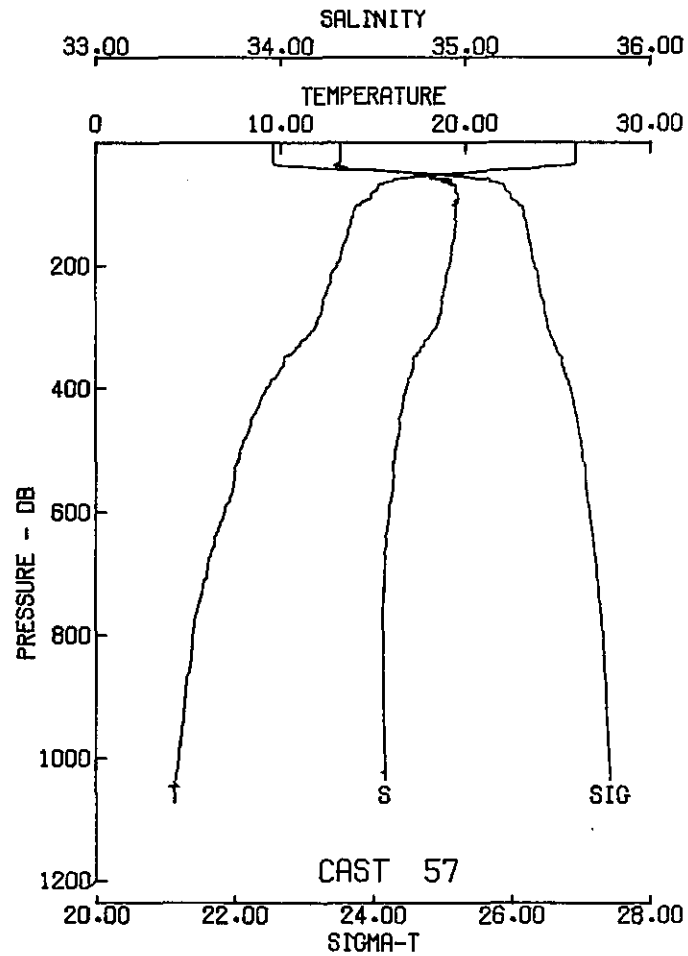


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
8.	25.834	34.200	22.501	
10.	25.837	34.200	22.500	.054
20.	25.838	34.205	22.503	.107
30.	25.844	34.205	22.501	.161
40.	25.796	34.207	22.518	.214
50.	23.174	34.388	23.439	.266
60.	21.737	34.603	24.008	.306
70.	17.262	34.824	25.333	.341
80.	15.784	34.891	25.730	.366
90.	14.622	34.947	26.031	.387
100.	14.460	34.949	26.067	.407
110.	14.218	34.951	26.120	.427
120.	14.057	34.947	26.151	.446
130.	13.971	34.942	26.165	.465
140.	13.884	34.941	26.183	.484
150.	13.853	34.940	26.188	.503
160.	13.680	34.933	26.220	.521
170.	13.446	34.928	26.264	.540
180.	13.277	34.921	26.293	.558
190.	13.123	34.913	26.319	.575
200.	13.013	34.904	26.333	.593
250.	12.581	34.886	26.405	.679
300.	11.934	34.844	26.499	.763
350.	10.630	34.745	26.662	.840
400.	9.355	34.682	26.831	.908
450.	8.432	34.639	26.944	.971
500.	7.718	34.608	27.028	1.029
550.	6.933	34.577	27.116	1.083
600.	6.619	34.569	27.152	1.134
650.	6.281	34.560	27.190	1.184
700.	5.887	34.557	27.238	1.232
750.	5.528	34.551	27.278	1.277
800.	5.315	34.551	27.304	1.322
850.	4.967	34.553	27.346	1.364
900.	4.754	34.555	27.372	1.406
950.	4.665	34.557	27.384	1.446
1000.	4.507	34.561	27.404	1.486
1017.	4.420	34.564	27.416	

CAST EP4-80-RS-057 DATE 01 SEP 80 TIME 0621 GMT
LAT 01 29.8N LONG 110 01.2W



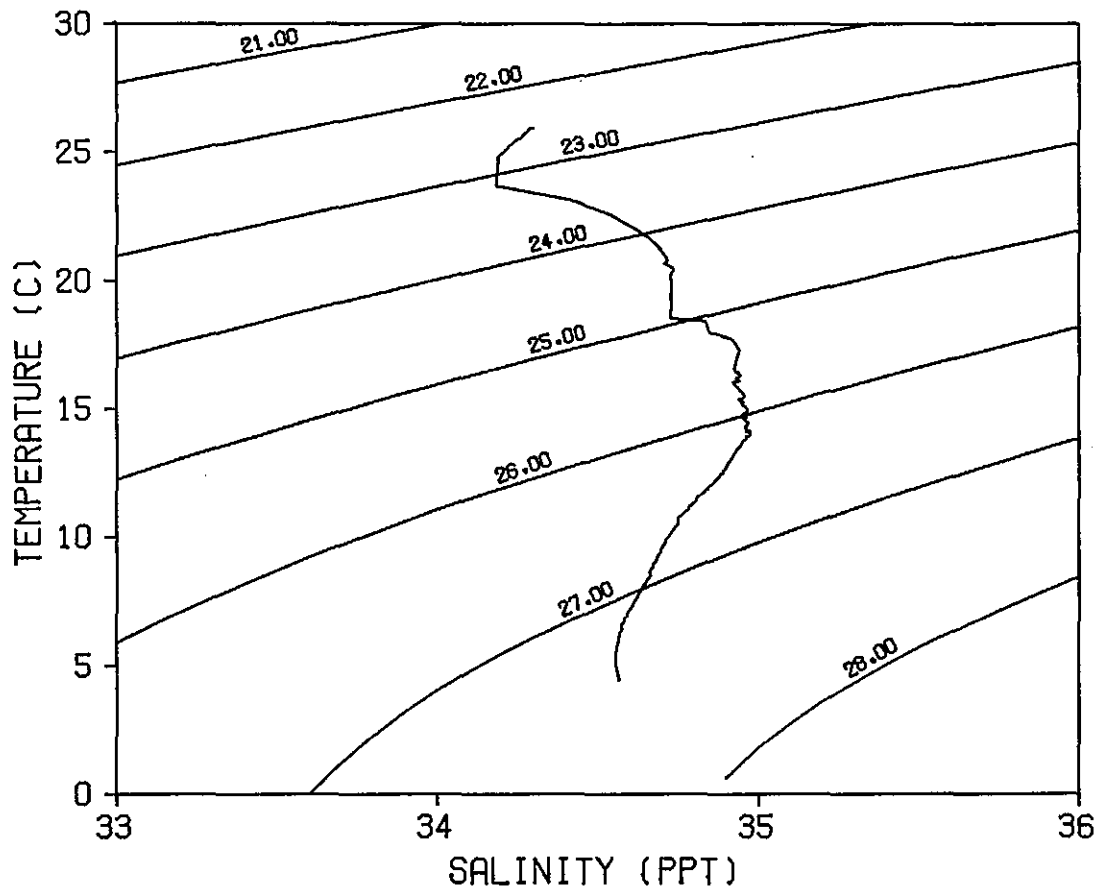
CAST EP4-80-RS-057 DATE 01 SEP 80 TIME 0621 GMT
 LAT 01 29.8N LONG 110 01.2W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 140 T SPD 14 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 23.5 WET 20.5 DEPTH M



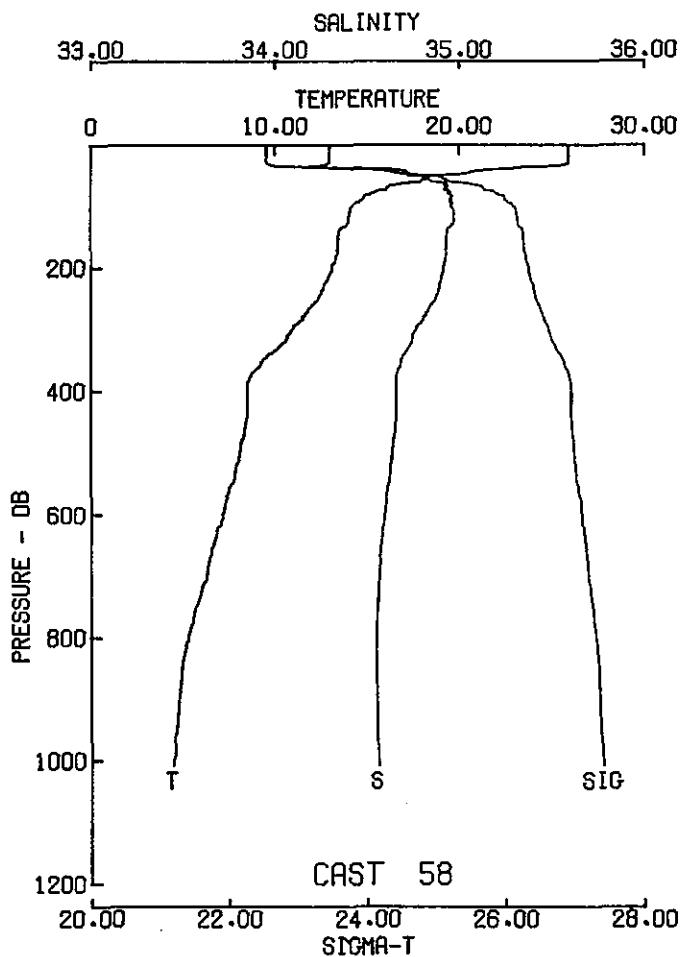
PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	25.949	34.320	22.556	0.000
5.	25.953	34.320	22.554	
10.	25.956	34.319	22.553	.053
20.	25.956	34.320	22.553	.106
30.	25.957	34.320	22.553	.159
40.	24.221	34.345	23.100	.211
50.	19.931	34.716	24.581	.253
60.	16.187	34.914	25.655	.281
70.	15.281	34.946	25.885	.304
80.	15.071	34.953	25.937	.325
90.	14.853	34.961	25.991	.346
100.	14.358	34.947	26.039	.366
110.	13.982	34.946	26.166	.385
120.	13.933	34.949	26.179	.404
130.	13.784	34.951	26.212	.423
140.	13.696	34.941	26.223	.441
150.	13.619	34.943	26.240	.459
160.	13.517	34.938	26.253	.478
170.	13.364	34.927	26.280	.496
180.	13.284	34.925	26.295	.514
190.	13.226	34.924	26.306	.531
200.	13.055	34.915	26.333	.549
250.	12.416	34.877	26.431	.634
300.	11.848	34.841	26.513	.716
350.	10.199	34.720	26.718	.792
400.	9.225	34.680	26.851	.860
450.	8.438	34.643	26.947	.923
500.	7.828	34.623	27.023	.981
550.	7.456	34.607	27.065	1.037
600.	6.952	34.587	27.121	1.090
650.	6.425	34.571	27.179	1.141
700.	5.989	34.563	27.239	1.189
750.	5.560	34.555	27.277	1.235
800.	5.181	34.552	27.321	1.279
850.	5.077	34.553	27.333	1.322
900.	4.805	34.554	27.366	1.364
950.	4.649	34.559	27.387	1.404
1000.	4.464	34.563	27.412	1.444
1035.	4.324	34.568	27.430	

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CAST EP4-80-RS-058 DATE 01 SEP 80 TIME 1045 GMT
LAT 00 59.6N LONG 110 00.3W



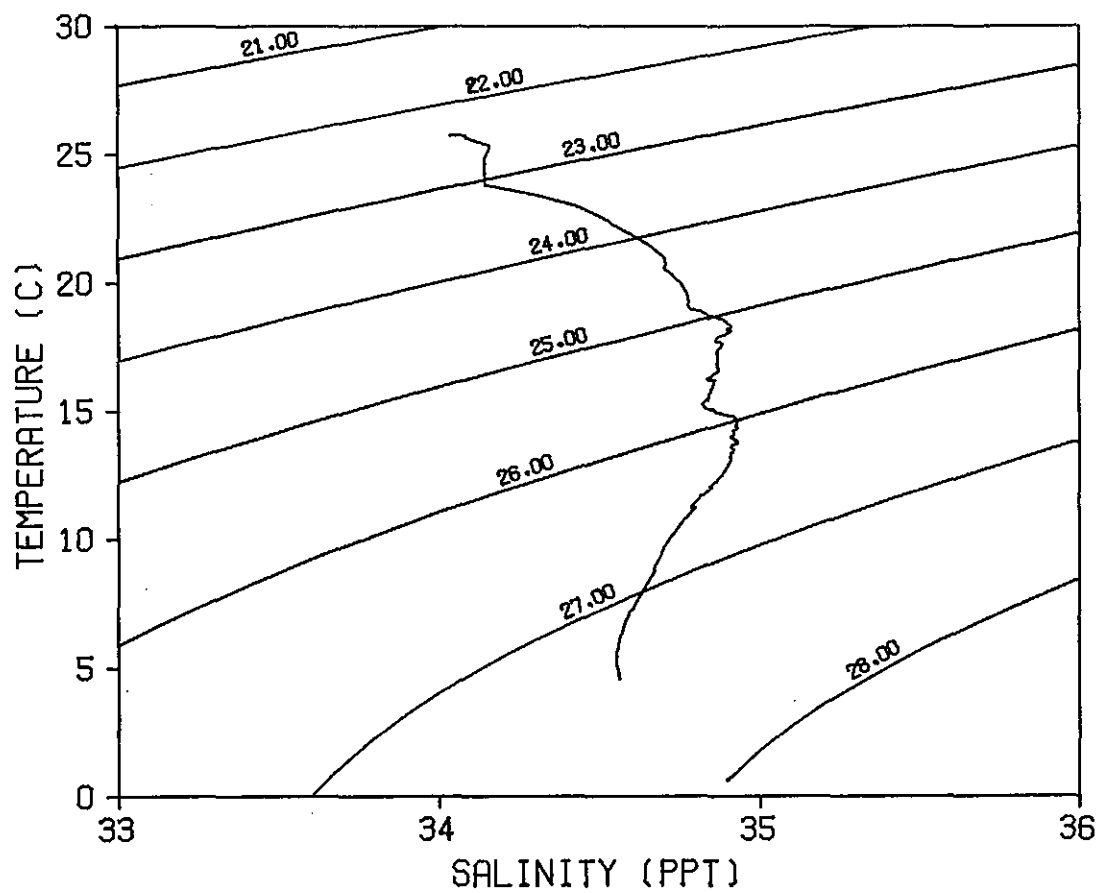
261



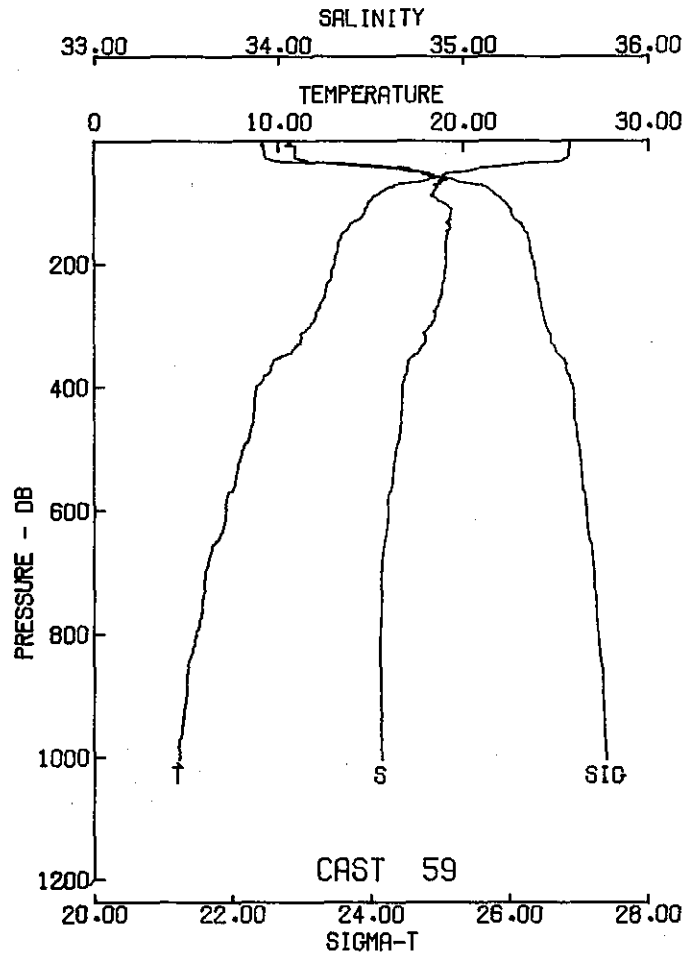
CAST EP4-80-RS-058 DATE 01 SEP 80 TIME 1045 GMT
 LAT 00 59.6N LONG 110 00.3W WEATHER 1 SEA STATE 3
 BAROMETER 15 WIND DIR 130 T SPD 13 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 25.0 WET 21.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	25.917	34.301	22.551	0.000
4.	25.922	34.298	22.548	
10.	25.930	34.296	22.544	.053
20.	25.932	34.296	22.543	.106
30.	25.901	34.291	22.549	.159
40.	22.046	34.608	23.926	.208
50.	19.173	34.724	24.784	.244
60.	17.949	34.851	25.188	.273
70.	16.156	34.934	25.678	.298
80.	15.242	34.953	25.899	.321
90.	14.780	34.949	25.998	.341
100.	14.253	34.957	26.117	.361
110.	14.103	34.974	26.162	.380
120.	14.019	34.973	26.180	.399
130.	13.937	34.964	26.190	.418
140.	13.514	34.940	26.259	.436
150.	13.454	34.935	26.268	.454
160.	13.435	34.934	26.271	.472
170.	13.415	34.932	26.274	.490
180.	13.345	34.927	26.284	.508
190.	13.254	34.924	26.300	.526
200.	13.063	34.915	26.332	.544
250.	12.362	34.874	26.440	.629
300.	10.983	34.770	26.618	.708
350.	9.394	34.689	26.830	.779
400.	8.505	34.660	26.949	.840
450.	8.438	34.657	26.958	.900
500.	8.111	34.638	26.993	.959
550.	7.710	34.620	27.039	1.016
600.	7.166	34.555	27.097	1.071
650.	6.660	34.576	27.152	1.123
700.	6.310	34.568	27.192	1.173
750.	5.733	34.557	27.257	1.221
800.	5.312	34.553	27.305	1.265
850.	4.958	34.554	27.348	1.308
900.	4.823	34.555	27.364	1.349
950.	4.687	34.558	27.382	1.390
1000.	4.491	34.561	27.406	1.430
1008.	4.458	34.562	27.410	

CAST EP4-80-RS-059 DATE 01 SEP 80 TIME 2008 GMT
LAT 00 33.6N LONG 110 01.8W



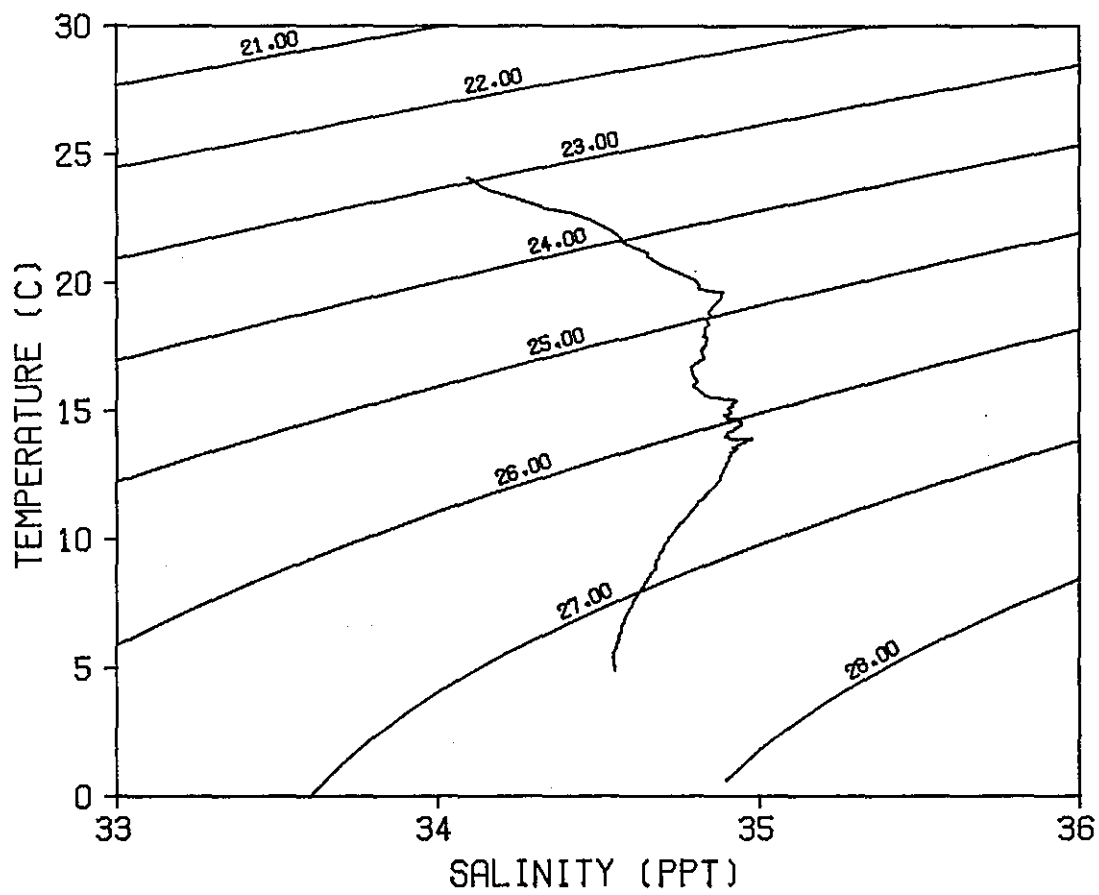
CAST EP4-80-RS-059 DATE 01 SEP 80 TIME 2008 GMT
 LAT 00 33.6N LONG 110 01.8W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 120 T SPD 11 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 22.3 WET 20.2 DEPTH M



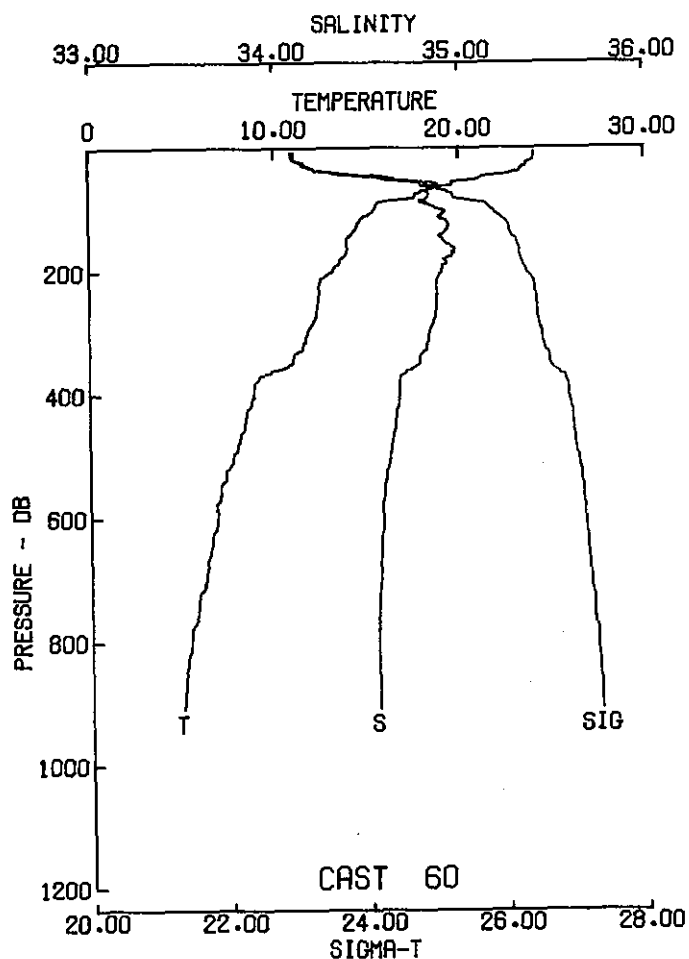
PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	25.739	34.100	22.455	0.000
5.	25.741	34.054	22.420	
10.	25.740	34.084	22.443	.054
20.	25.686	34.086	22.461	.108
30.	25.513	34.117	22.538	.162
40.	22.405	34.126	23.763	.210
50.	19.461	34.175	24.603	.247
60.	18.566	34.183	25.060	.278
70.	16.795	34.163	25.475	.306
80.	15.702	34.145	25.713	.330
90.	15.147	34.124	25.821	.352
100.	14.862	34.117	25.932	.374
110.	14.681	34.110	26.003	.395
120.	14.568	34.103	26.026	.415
130.	14.427	34.091	26.091	.435
140.	13.796	34.092	26.192	.454
150.	13.483	34.091	26.246	.473
160.	13.342	34.091	26.272	.491
170.	13.218	34.095	26.293	.509
180.	13.191	34.093	26.293	.526
190.	13.067	34.097	26.325	.544
200.	12.976	34.095	26.341	.562
250.	12.491	34.180	26.419	.647
300.	11.736	34.128	26.523	.729
350.	10.191	34.129	26.727	.805
400.	8.793	34.167	26.910	.870
450.	8.618	34.164	26.935	.931
500.	8.060	34.164	26.998	.991
550.	7.665	34.161	27.042	1.047
600.	7.088	34.191	27.105	1.102
650.	6.613	34.174	27.157	1.154
700.	6.033	34.158	27.220	1.203
750.	5.833	34.156	27.244	1.250
800.	5.523	34.150	27.278	1.296
850.	5.097	34.150	27.329	1.341
900.	4.973	34.153	27.345	1.383
950.	4.780	34.157	27.371	1.424
1000.	4.589	34.159	27.394	1.464
1004.	4.586	34.158	27.393	

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CAST EP4-80-RS-060 DATE 02 SEP 80 TIME 0207 GMT
LAT 00 00.0N LONG 110 02.6W

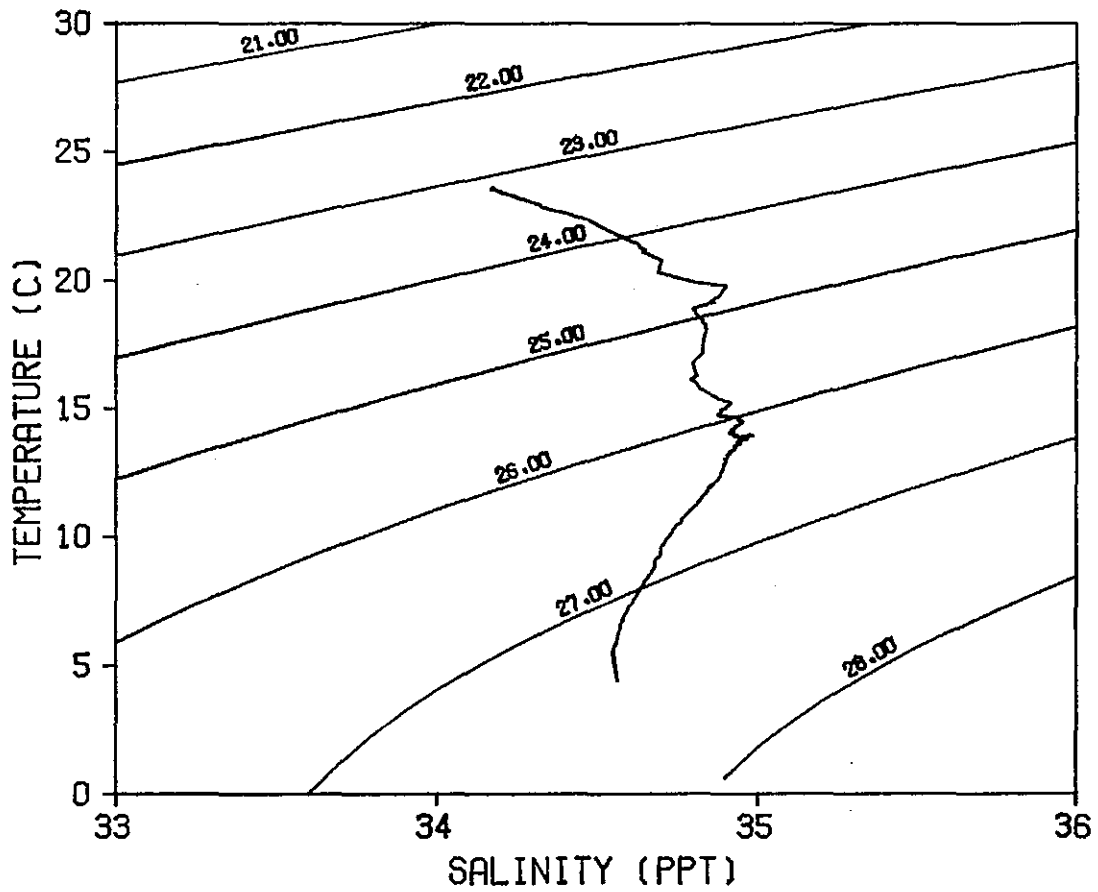


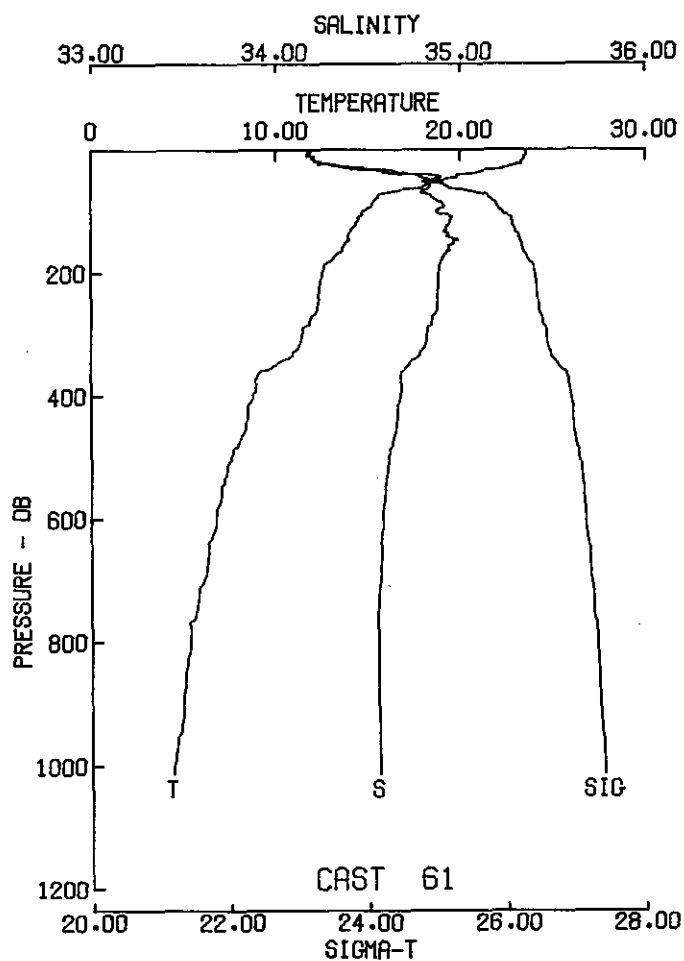
CAST EP4-80-RS-060 DATE 02 SEP 80 TIME 0207 GMT
 LAT 00 00.0N LONG 110 02.6W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 120 T SPD 12 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.9 WET 20.1 DEPTH M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
7.	24.078	34.097	22.954	
10.	24.071	34.097	22.957	.049
20.	23.987	34.112	22.993	.098
30.	23.525	34.177	23.178	.146
40.	22.946	34.322	23.454	.193
50.	21.152	34.657	24.210	.233
60.	19.640	34.891	24.790	.267
70.	17.995	34.833	25.163	.298
80.	17.597	34.835	25.261	.325
90.	15.633	34.826	25.714	.351
100.	15.442	34.916	25.827	.373
110.	14.934	34.914	25.937	.395
120.	14.605	34.937	26.027	.416
130.	14.443	34.943	26.066	.436
140.	14.170	34.903	26.093	.455
150.	13.904	34.919	26.162	.475
160.	13.921	34.961	26.190	.494
170.	13.902	34.977	26.207	.512
180.	13.596	34.926	26.231	.531
190.	13.402	34.917	26.265	.549
200.	13.151	34.907	26.308	.567
250.	11.355	34.878	26.444	.651
300.	11.809	34.842	26.520	.733
350.	10.950	34.783	26.634	.810
400.	8.871	34.676	26.905	.876
450.	8.352	34.651	26.966	.936
500.	7.718	34.617	27.035	.994
550.	7.055	34.588	27.107	1.049
600.	6.830	34.580	27.132	1.101
650.	6.493	34.572	27.172	1.151
700.	6.180	34.563	27.205	1.201
750.	5.764	34.554	27.251	1.247
800.	5.348	34.549	27.298	1.292
850.	5.082	34.550	27.330	1.336
900.	4.967	34.553	27.346	1.378
908.	4.917	34.554	27.352	

CAST EP4-80-RS-061 DATE 02 SEP 80 TIME 1210 GMT
LAT 00 01.2N LONG 109 54.7W

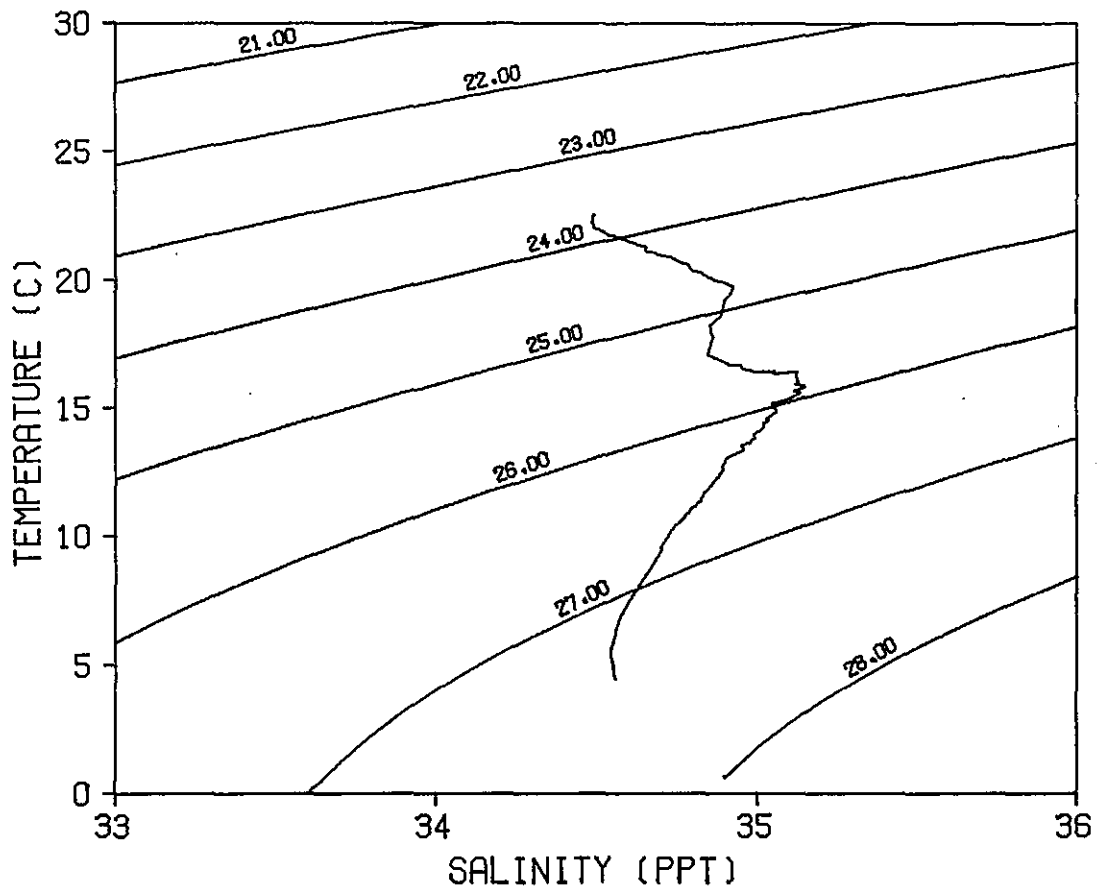


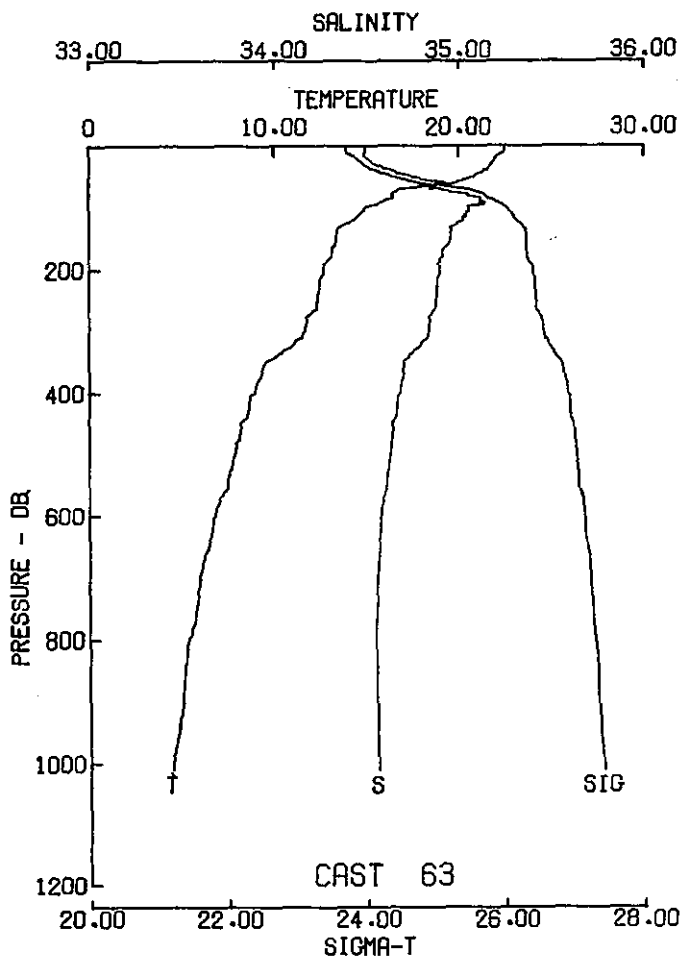


CAST EP4-80-RS-061 DATE 02 SEP 80 TIME 1210 GMT
 LAT 00 01.2N LONG 109 54.7W WEATHER 1 SEA STATE 3
 BARMETER 16 WIND DIR 110 T SPD 12 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 22.9 WET 20.5 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	23.536	34.173	23.171	0.000
2.	23.533	34.173	23.171	
10.	23.470	34.189	23.202	.047
20.	23.267	34.240	23.300	.094
30.	23.351	34.474	23.738	.138
40.	20.288	34.690	24.467	.176
50.	19.115	34.852	24.896	.208
60.	18.034	34.835	25.155	.238
70.	16.123	34.790	25.575	.264
80.	15.461	34.863	25.782	.287
90.	15.234	34.914	25.871	.309
100.	14.794	34.878	25.940	.331
110.	14.495	34.951	26.061	.351
120.	14.356	34.939	26.081	.371
130.	14.103	34.921	26.122	.390
140.	13.908	34.928	26.168	.410
150.	13.847	34.961	26.206	.428
160.	13.612	34.935	26.235	.447
170.	13.350	34.920	26.277	.465
180.	13.037	34.899	26.325	.483
190.	12.634	34.890	26.398	.500
200.	12.542	34.886	26.413	.517
250.	12.261	34.875	26.459	.600
300.	11.409	34.819	26.578	.679
350.	10.044	34.724	26.748	.754
400.	8.728	34.672	26.924	.817
450.	8.348	34.653	26.968	.877
500.	7.611	34.614	27.049	.934
550.	7.027	34.550	27.112	.987
600.	6.749	34.580	27.145	1.039
650.	6.300	34.569	27.194	1.089
700.	6.063	34.564	27.221	1.138
750.	5.668	34.553	27.262	1.184
800.	5.309	34.551	27.305	1.228
850.	5.075	34.553	27.334	1.271
900.	4.942	34.555	27.351	1.314
950.	4.725	34.558	27.378	1.355
1000.	4.435	34.562	27.413	1.394
1012.	4.422	34.562	27.415	

CAST EP4-80-RS-063 DATE 02 SEP 80 TIME 2343 GMT
LAT 0 27.7S LONG 109 56.7W

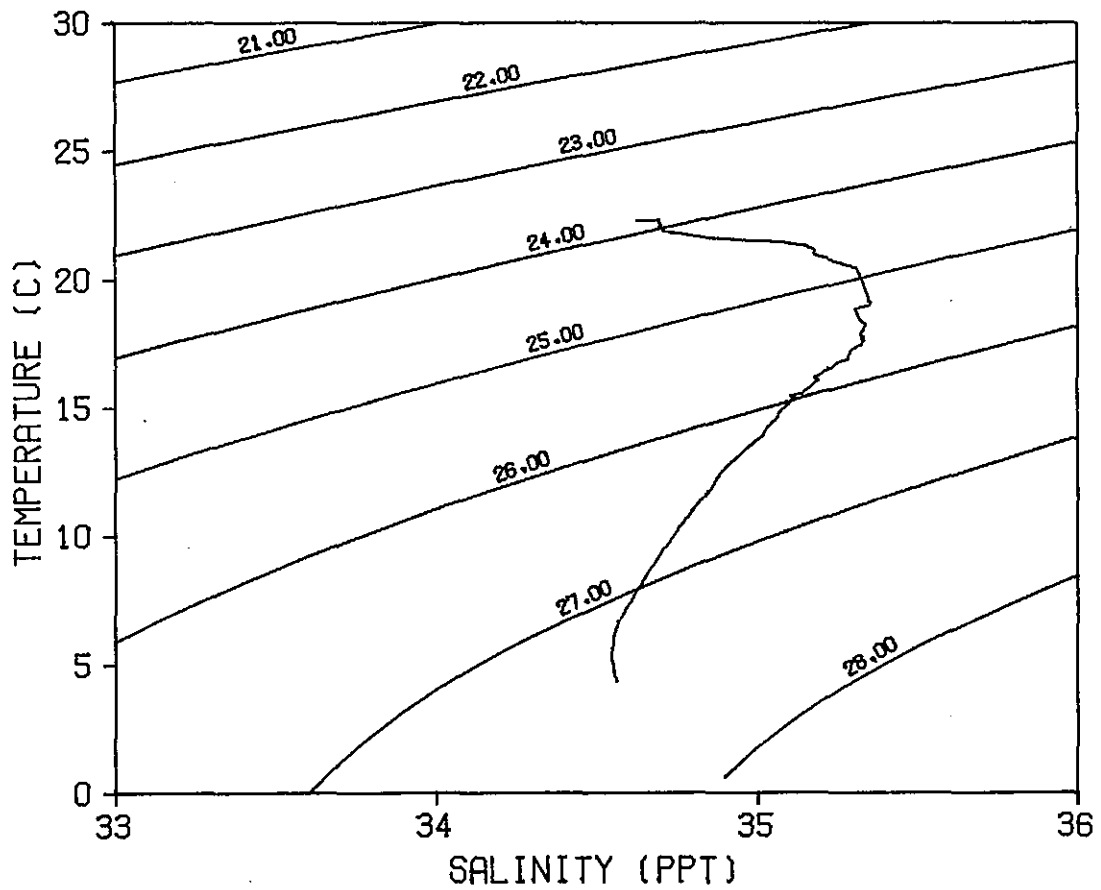




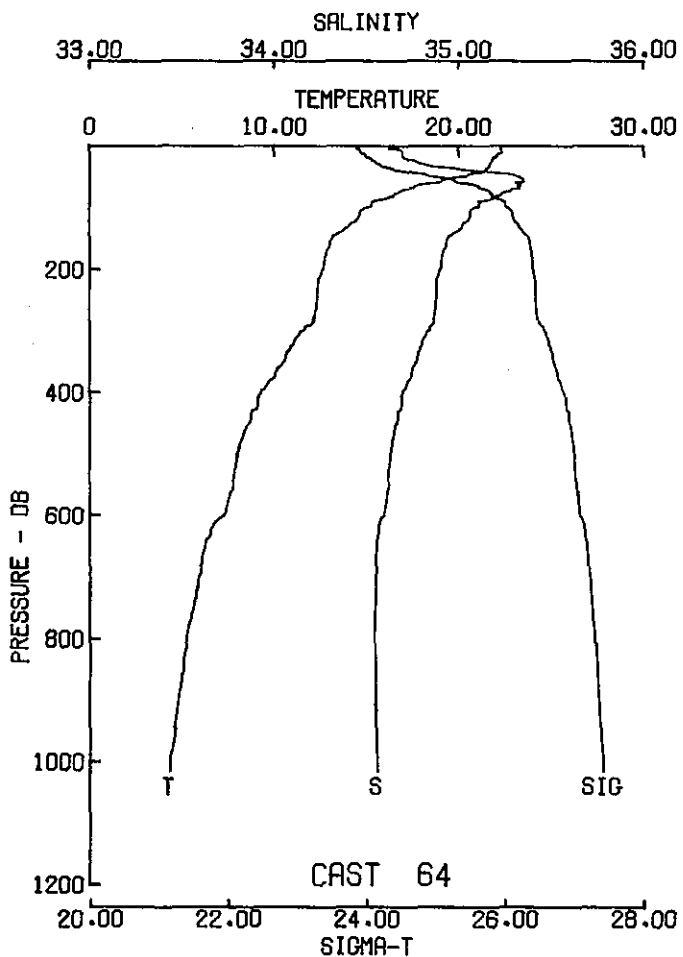
CAST EP4-80-RS-063 DATE 02 SEP 80 TIME 2343 GMT
 LAT 0 27.7S LONG 109 56.7W WEATHER 0 SEA STATE 3
 BAROMETER 15 WIND DIR 120 T SPD 11 KT VISIBILITY 7
 CLOUD X AMOUNT 0 DRY 21.2 WET 20.5 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	22.545	34.494	23.699	0.000
5.	22.512	34.495	23.709	
10.	22.486	34.493	23.715	.042
20.	21.995	34.507	23.863	.083
30.	21.764	34.547	23.958	.123
40.	21.345	34.637	24.142	.162
50.	20.821	34.740	24.363	.199
60.	19.849	34.909	24.749	.233
70.	16.833	34.894	25.489	.262
80.	16.384	35.046	25.711	.286
90.	15.943	35.117	25.867	.309
100.	14.974	35.058	26.039	.329
110.	14.864	35.039	26.092	.349
120.	14.286	35.020	26.159	.369
130.	13.641	34.970	26.256	.387
140.	13.377	34.956	26.300	.405
150.	13.348	34.955	26.305	.423
160.	13.296	34.944	26.307	.440
170.	13.142	34.915	26.316	.458
180.	13.117	34.913	26.319	.476
190.	12.794	34.894	26.369	.493
200.	12.650	34.893	26.397	.510
250.	12.323	34.878	26.449	.593
300.	11.627	34.835	26.550	.674
350.	9.561	34.704	26.814	.747
400.	8.928	34.680	26.898	.810
450.	8.194	34.640	26.982	.871
500.	7.857	34.626	27.022	.928
550.	7.449	34.608	27.060	.984
600.	6.800	34.577	27.134	1.037
650.	6.420	34.566	27.176	1.088
700.	5.970	34.558	27.228	1.136
750.	5.744	34.552	27.252	1.183
800.	5.357	34.547	27.296	1.228
850.	5.108	34.551	27.328	1.272
900.	5.028	34.553	27.339	1.314
950.	4.792	34.555	27.368	1.356
1000.	4.456	34.561	27.410	1.396
1010.	4.451	34.560	27.410	

CAST EP4-80-RS-064 DATE 04 SEP 80 TIME 0106 GMT
LAT 1 00.8S LONG 109 56.5W

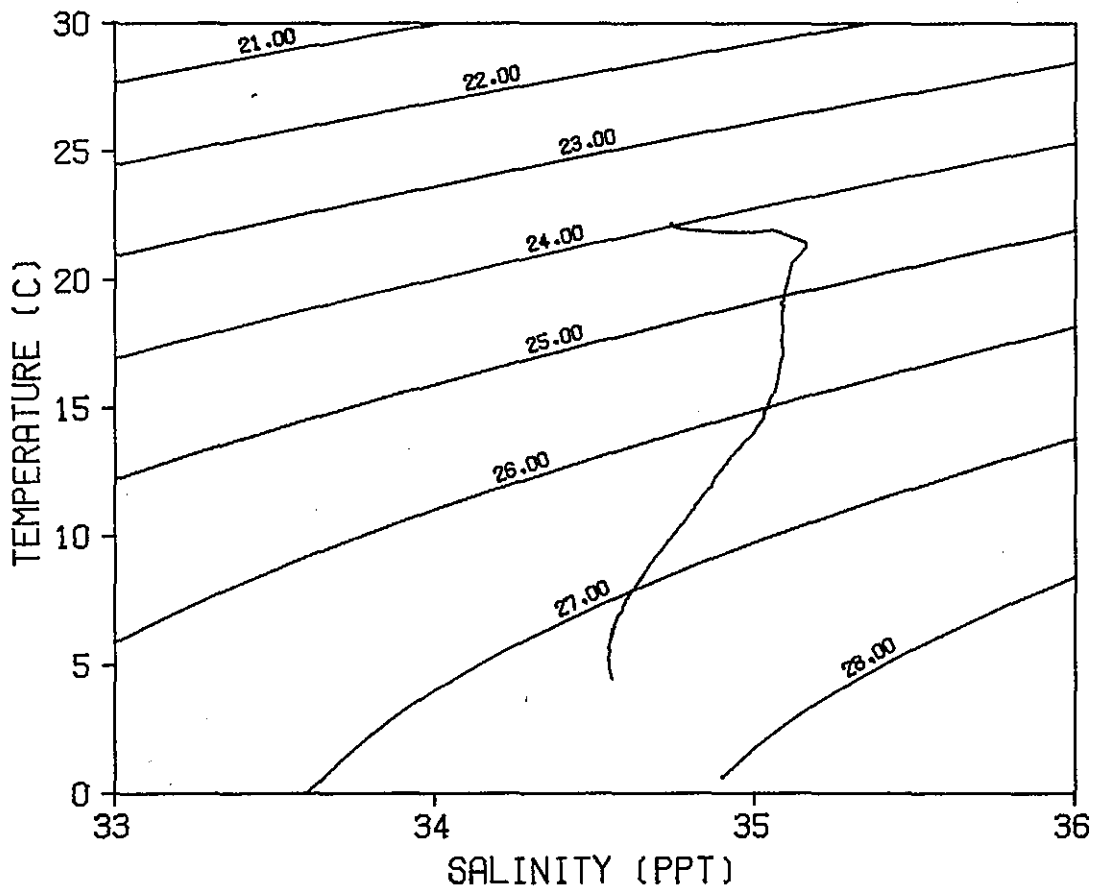


CAST EP4-80-RS-064 DATE 04 SEP 80 TIME 0106 GMT
 LAT 1 00.85 LONG 109 56.5W WEATHER 2 SEA STATE 3
 BAROMETER 14 WIND DIR 120 T SPD 13 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.8 WET 20.9 DEPTH M

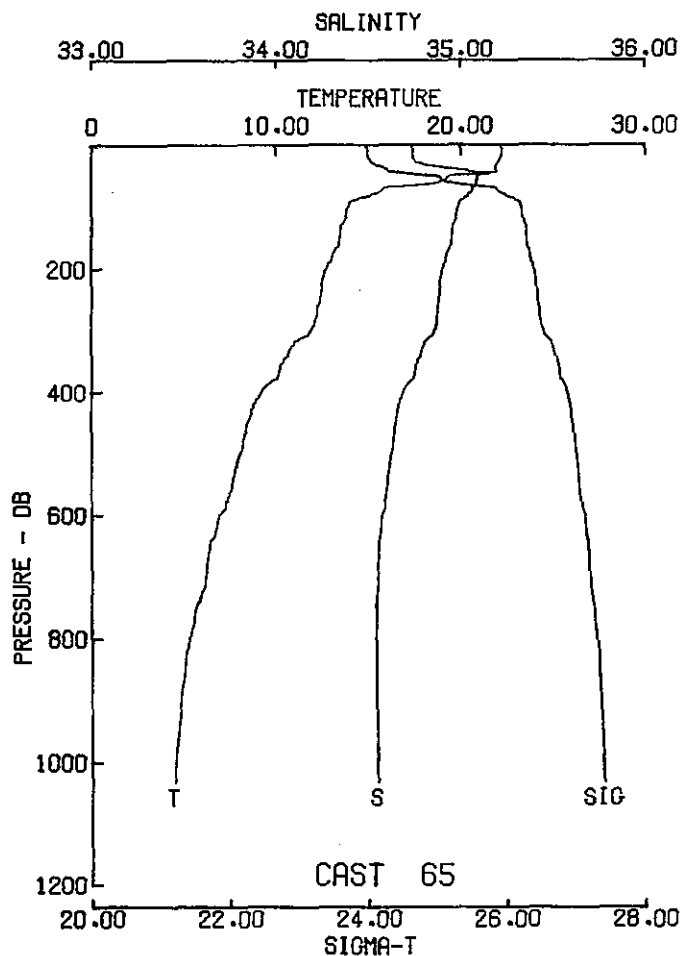


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	22.241	34.553	23.829	0.000
4.	22.305	34.626	23.866	
10.	22.324	34.693	23.912	.040
20.	21.864	34.716	24.058	.080
30.	21.666	34.823	24.199	.118
40.	21.356	35.110	24.498	.154
50.	19.943	35.330	25.045	.186
60.	18.425	35.320	25.428	.214
70.	17.087	35.289	25.732	.238
80.	16.474	35.221	25.825	.260
90.	15.363	35.117	25.928	.281
100.	15.001	35.085	26.054	.302
110.	14.670	35.066	26.111	.321
120.	14.488	35.053	26.141	.341
130.	14.070	35.022	26.207	.360
140.	13.582	34.984	26.279	.378
150.	13.116	34.941	26.341	.395
160.	12.994	34.931	26.398	.413
170.	12.854	34.918	26.376	.430
180.	12.752	34.906	26.387	.447
190.	12.707	34.906	26.396	.464
200.	12.653	34.901	26.403	.481
250.	12.352	34.880	26.446	.564
300.	11.581	34.847	26.562	.645
350.	10.576	34.775	26.694	.719
400.	9.327	34.701	26.851	.787
450.	8.690	34.666	26.926	.850
500.	8.015	34.634	27.004	.909
550.	7.773	34.620	27.030	.966
600.	7.313	34.597	27.078	1.022
650.	6.993	34.560	27.188	1.073
700.	5.942	34.551	27.226	1.121
750.	5.632	34.548	27.263	1.167
800.	5.292	34.547	27.303	1.212
850.	5.072	34.549	27.331	1.255
900.	4.835	34.552	27.361	1.297
950.	4.622	34.555	27.387	1.337
1000.	4.376	34.560	27.418	1.377
1015.	4.362	34.561	27.420	

CAST EP4-80-RS-065 DATE 04 SEP 80 TIME 0558 GMT
LAT 1 30.1S LONG 109 59.7W

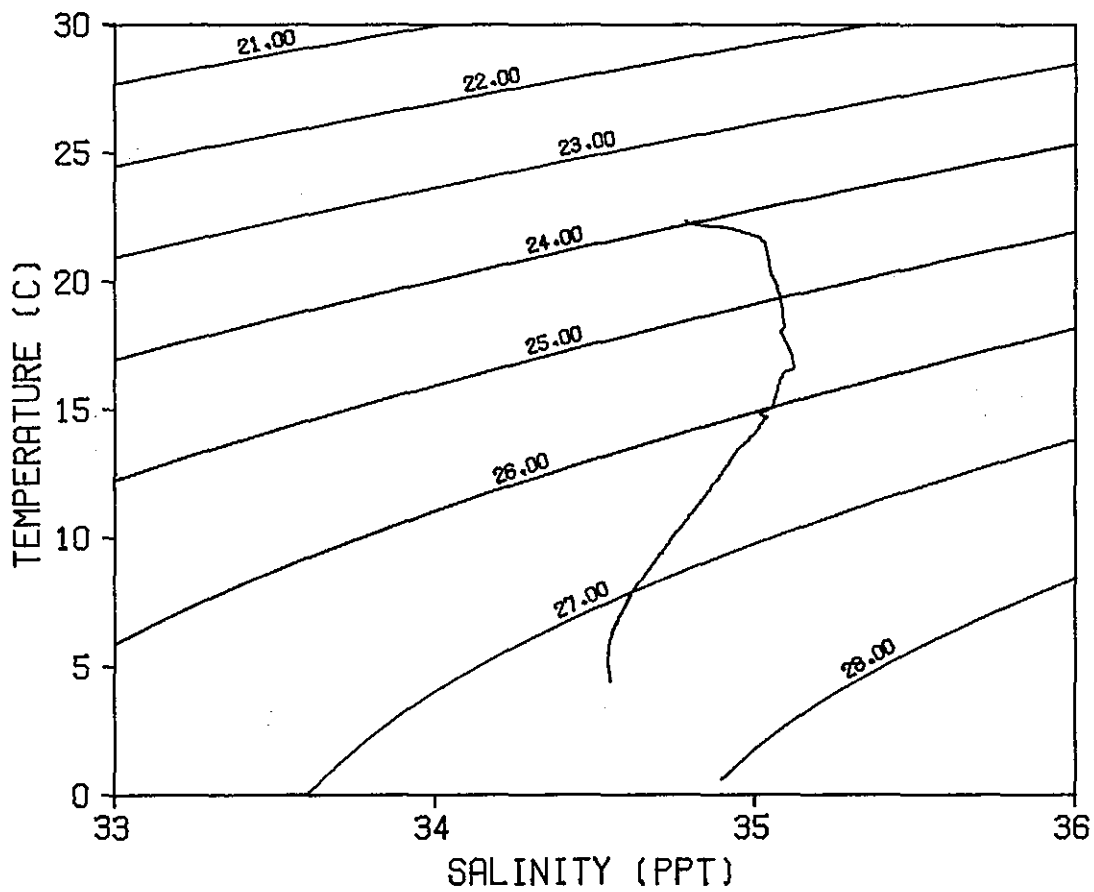


CAST EP4-80-RS-065 DATE 04 SEP 80 TIME 0558 GMT
 LAT 1 30.15 LONG 109 59.7W WEATHER 8 SEA STATE 3
 BAROMETER 12 WIND DIR 130 T SPD 15 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.5 WET 20.5 DEPTH M

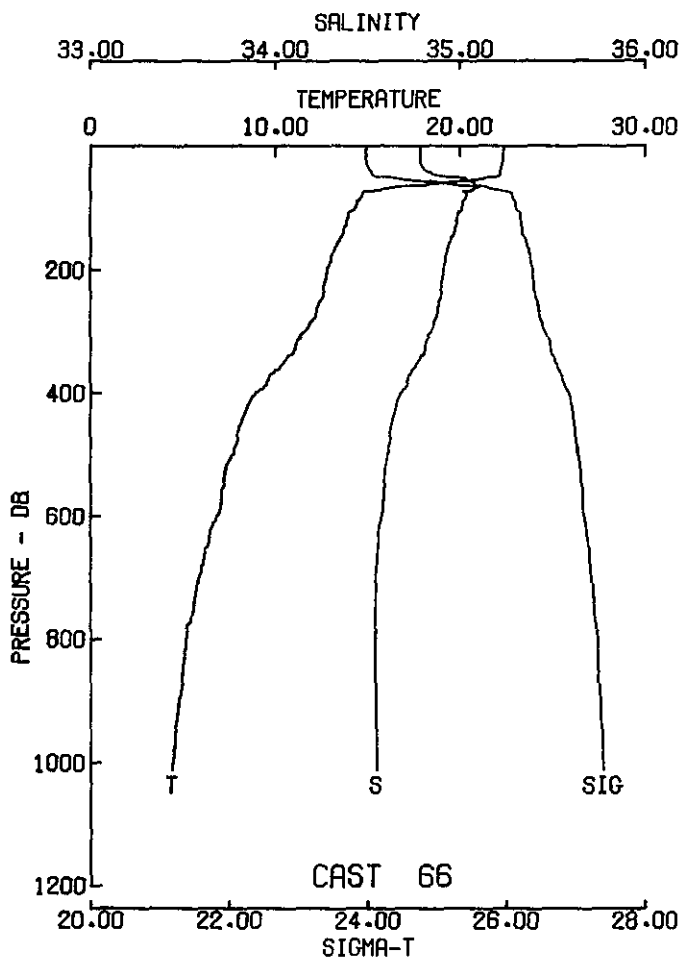


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	22.234	34.740	23.973	0.000
4.	22.219	34.739	23.976	
10.	22.201	34.739	23.982	.039
20.	22.155	34.741	23.996	.079
30.	21.965	34.791	24.087	.118
40.	21.876	34.999	24.270	.155
50.	19.410	35.089	25.001	.190
60.	18.767	35.087	25.164	.219
70.	15.863	35.065	25.846	.244
80.	15.192	35.044	25.981	.266
90.	14.154	35.003	26.174	.285
100.	13.936	34.990	26.210	.304
110.	13.827	34.981	26.226	.322
120.	13.739	34.972	26.237	.341
130.	13.503	34.956	26.274	.359
140.	13.464	34.953	26.280	.377
150.	13.430	34.951	26.285	.395
160.	13.388	34.947	26.291	.412
170.	13.201	34.934	26.318	.430
180.	13.048	34.922	26.340	.448
190.	12.929	34.915	26.359	.465
200.	12.744	34.904	26.387	.482
250.	12.375	34.880	26.441	.566
300.	11.876	34.858	26.521	.647
350.	10.368	34.766	26.724	.722
400.	9.212	34.689	26.860	.789
450.	8.487	34.649	26.943	.851
500.	8.044	34.624	26.992	.910
550.	7.623	34.603	27.038	.967
600.	6.890	34.571	27.117	1.022
650.	6.379	34.555	27.173	1.073
700.	6.146	34.550	27.200	1.123
750.	5.644	34.541	27.256	1.170
800.	5.285	34.540	27.299	1.215
850.	5.012	34.541	27.331	1.258
900.	4.814	34.543	27.356	1.300
950.	4.665	34.545	27.375	1.341
1000.	4.531	34.548	27.392	1.381
1032.	4.460	34.550	27.401	

CAST EP4-80-RS-066 DATE 04 SEP 80 TIME 1128 GMT
LAT 1 59.8S LONG 109 58.8W

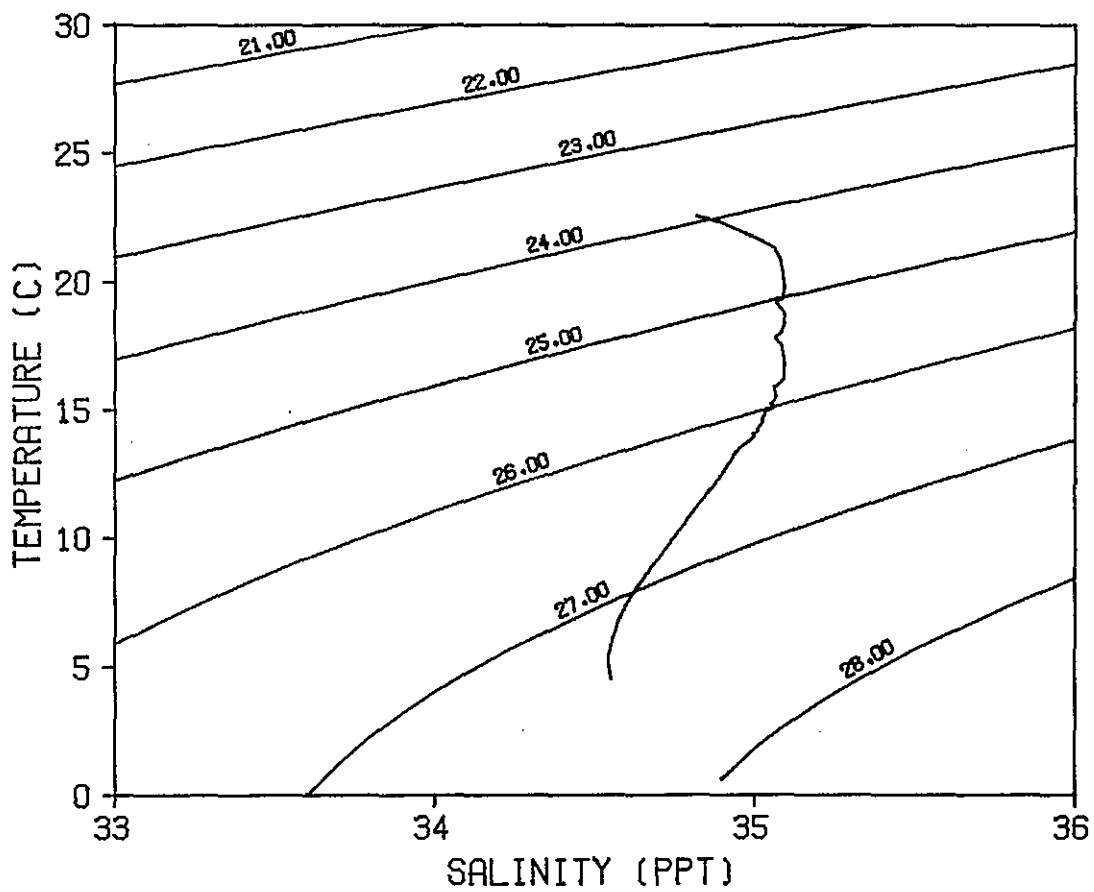


CAST EP4-80-RS-066 DATE 04 SEP 80 TIME 1128 GMT
 LAT 1 59.8S LONG 109 58.8W WEATHER 1 SEA STATE 3
 BARMETER 14 WIND DIR 090 T SPD 11 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 24.0 WET 21.2 DEPTH M

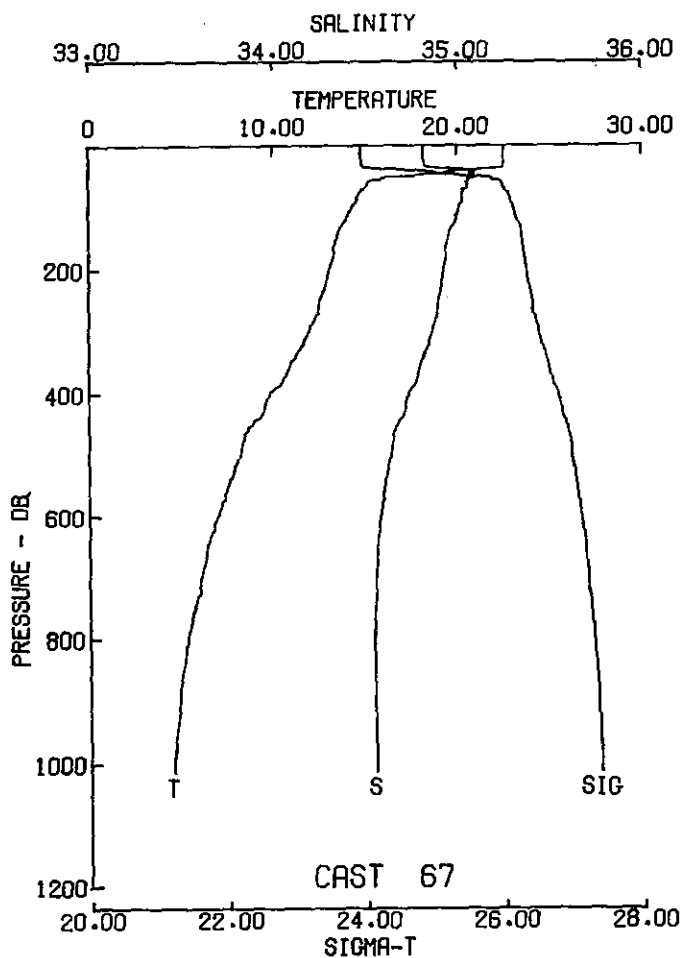


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	22.332	34.787	23.981	0.000
5.	22.349	34.786	23.975	
10.	22.337	34.785	23.978	.039
20.	22.339	34.786	23.978	.079
30.	22.289	34.790	23.995	.118
40.	22.197	34.823	24.046	.157
50.	22.020	34.938	24.183	.196
60.	19.169	35.081	25.057	.229
70.	15.984	35.074	25.825	.254
80.	14.692	35.037	26.085	.275
90.	14.420	35.016	26.127	.294
100.	14.338	35.013	26.143	.313
110.	13.969	34.990	26.203	.332
120.	13.876	34.982	26.216	.350
130.	13.808	34.980	26.229	.369
140.	13.721	34.973	26.242	.387
150.	13.486	34.952	26.274	.405
160.	13.318	34.939	26.299	.423
170.	13.185	34.932	26.320	.441
180.	13.020	34.924	26.347	.458
190.	12.950	34.919	26.358	.476
200.	12.803	34.913	26.382	.493
250.	12.465	34.891	26.433	.577
300.	11.661	34.848	26.553	.658
350.	10.493	34.776	26.710	.733
400.	8.939	34.679	26.896	.800
450.	8.174	34.633	26.979	.860
500.	7.687	34.609	27.033	.917
550.	7.241	34.592	27.084	.971
600.	6.883	34.576	27.121	1.024
650.	6.336	34.555	27.178	1.075
700.	5.919	34.546	27.225	1.123
750.	5.590	34.542	27.263	1.169
800.	5.161	34.540	27.314	1.214
850.	5.008	34.541	27.332	1.256
900.	4.789	34.544	27.359	1.298
950.	4.585	34.546	27.384	1.339
1000.	4.461	34.550	27.401	1.379
1011.	4.433	34.552	27.405	

CAST EP4-80-RS-067 DATE 04 SEP 80 TIME 1536 GMT
LAT 2 29.3S LONG 109 59.4W

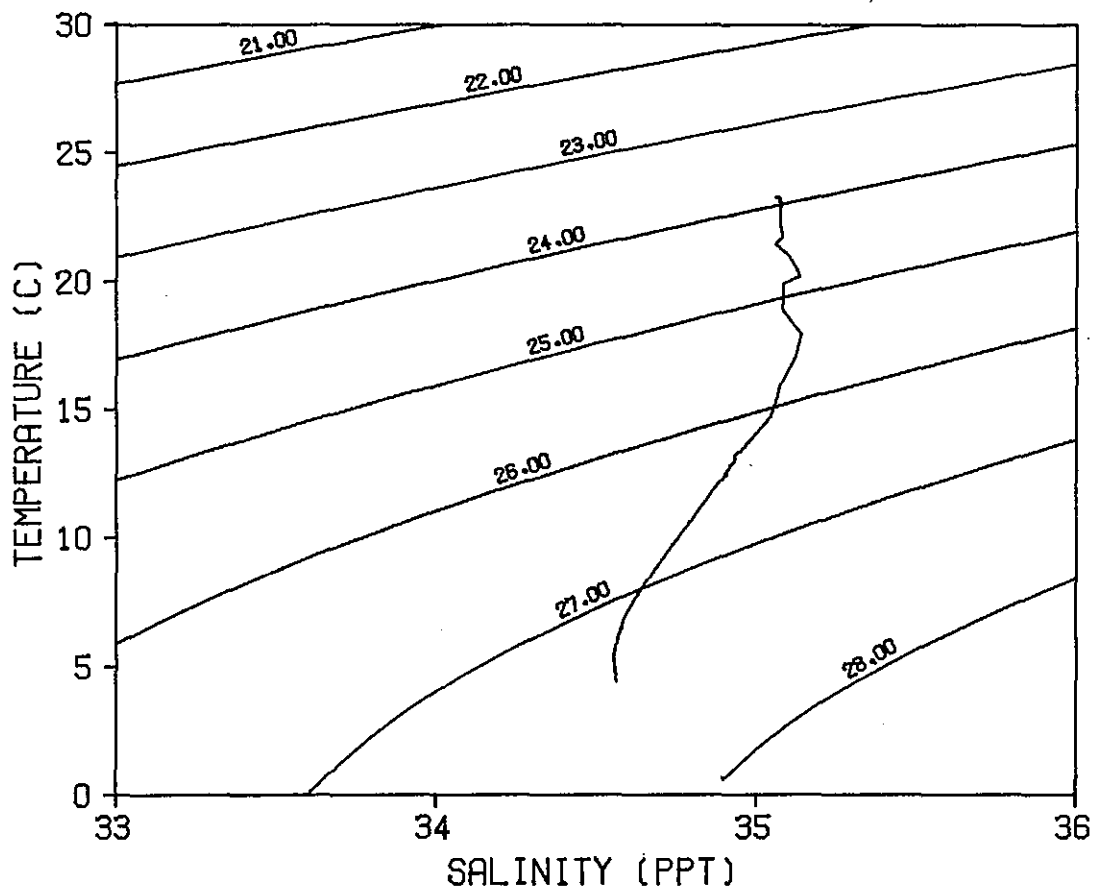


CAST EP4-80-RS-067 DATE 04 SEP 80 TIME 1536 GMT
 LAT 2 29.35 LONG 109 59.4W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 130 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 25.0 WET 21.5 DEPTH M

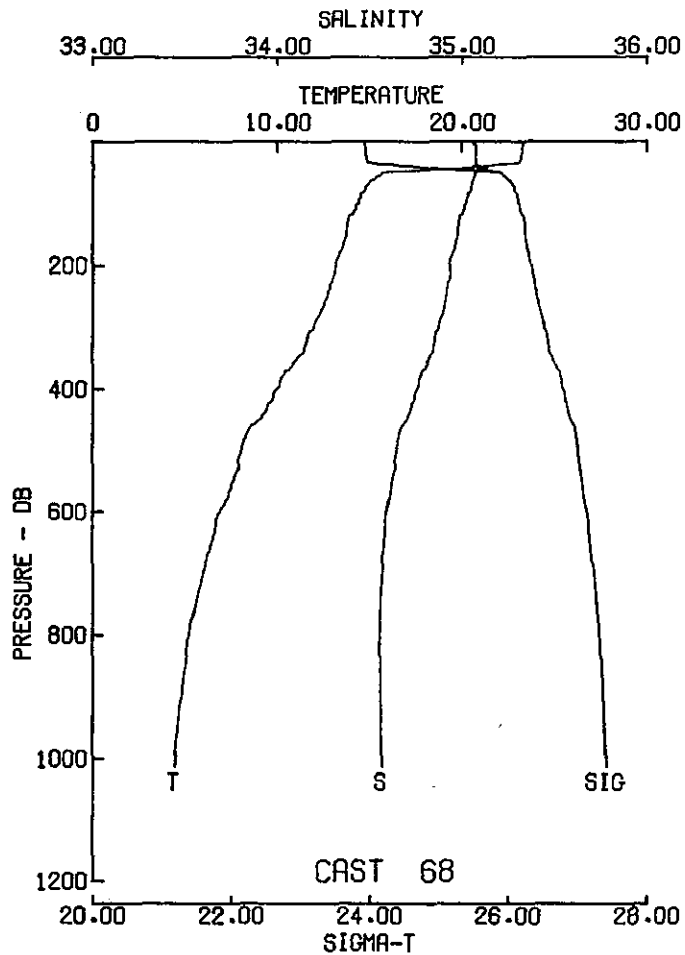


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	22.563	34.819	23.939	0.000
3.	22.562	34.818	23.939	
10.	22.547	34.818	23.943	.040
20.	22.548	34.818	23.944	.080
30.	22.532	34.823	23.951	.119
40.	20.839	35.082	24.617	.158
50.	17.463	35.086	25.486	.187
60.	15.229	35.050	25.977	.209
70.	15.014	35.055	26.028	.229
80.	14.652	35.026	26.085	.248
90.	14.553	35.030	26.109	.268
100.	14.309	35.014	26.150	.287
110.	14.120	35.005	26.183	.306
120.	13.993	34.998	26.204	.325
130.	13.730	34.980	26.245	.343
140.	13.553	34.958	26.265	.361
150.	13.487	34.952	26.274	.379
160.	13.374	34.942	26.290	.397
170.	13.291	34.937	26.303	.415
180.	13.284	34.937	26.304	.432
190.	13.188	34.933	26.321	.448
200.	13.058	34.928	26.343	.468
250.	12.519	34.898	26.427	.553
300.	11.970	34.867	26.509	.636
350.	10.964	34.803	26.647	.713
400.	9.811	34.735	26.796	.785
450.	8.891	34.679	26.904	.850
500.	8.202	34.638	26.979	.910
550.	7.513	34.602	27.053	.967
600.	6.978	34.579	27.111	1.021
650.	6.369	34.561	27.179	1.072
700.	6.045	34.552	27.214	1.121
750.	5.693	34.548	27.256	1.168
800.	5.318	34.542	27.296	1.213
850.	5.044	34.544	27.330	1.256
900.	4.841	34.546	27.355	1.298
950.	4.665	34.547	27.376	1.339
1000.	4.530	34.550	27.393	1.379
1013.	4.511	34.550	27.395	

CAST EP4-80-RS-068 DATE 04 SEP 80 TIME 1929 GMT
LAT 2 59.3S LONG 110 00.6W

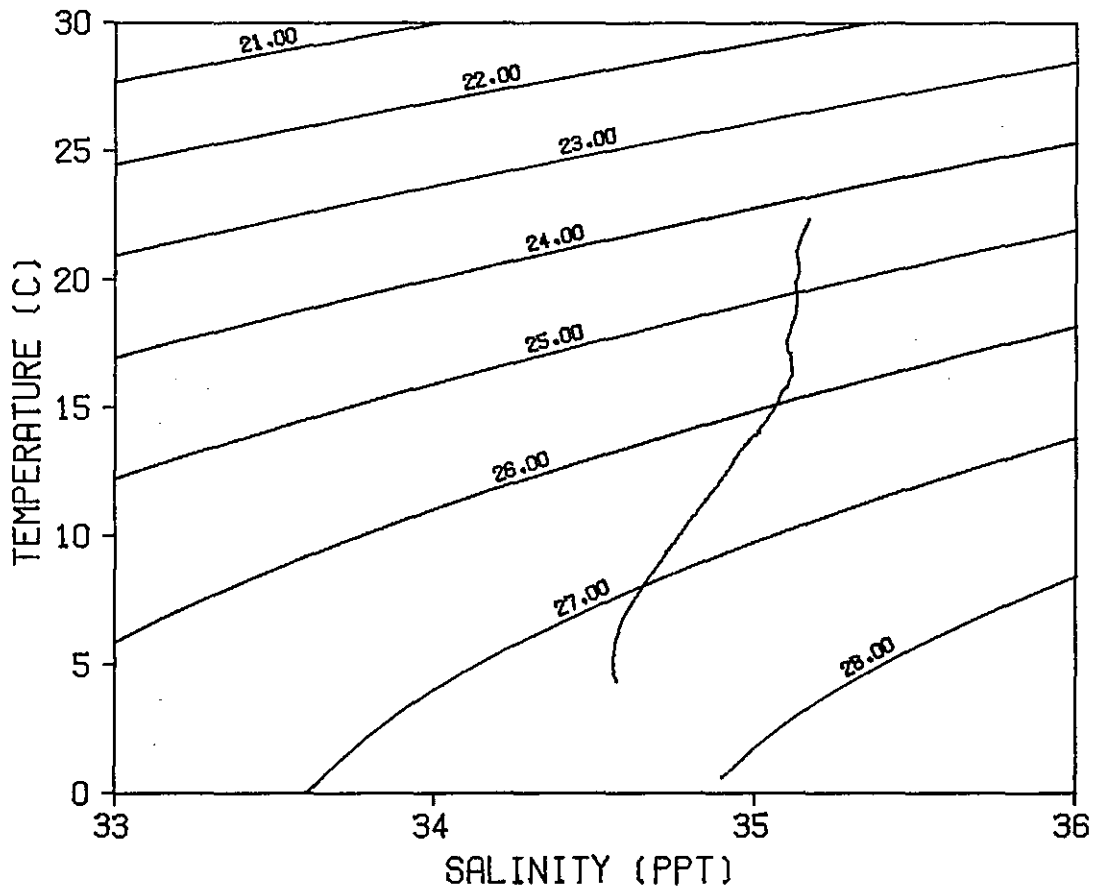


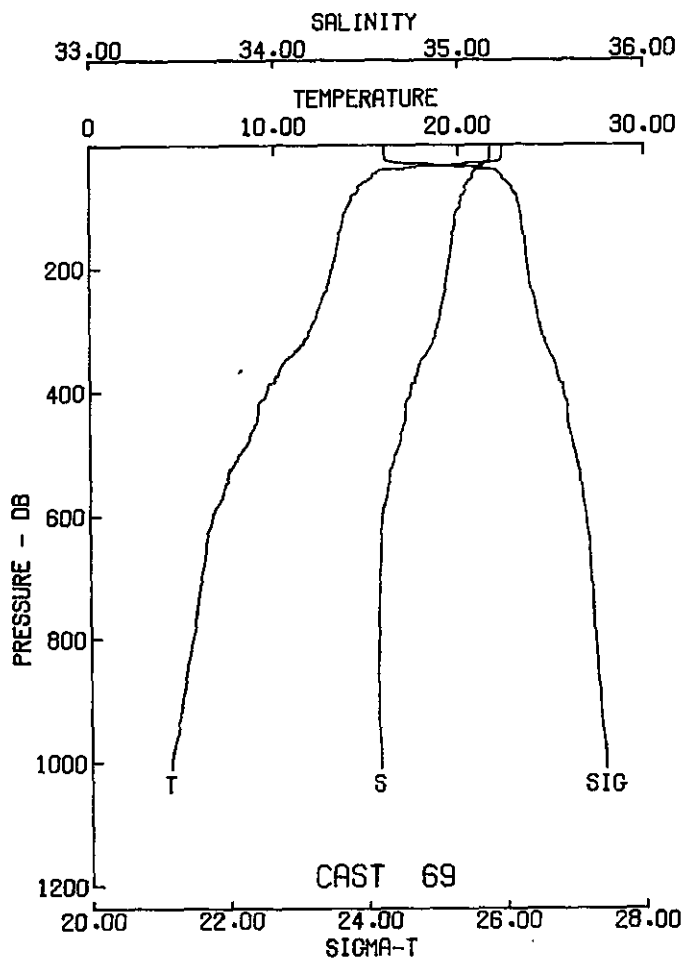
CAST EP4-80-RS-068 DATE 04 SEP 80 TIME 1929 GMT
 LAT 2 59.3S LONG 110 00.6W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 130 T SPD 12 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 23.5 WET 20.5 DEPTH M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	23.301	35.049	23.902	0.000
4.	23.284	35.061	23.916	
10.	23.266	35.074	23.931	.040
20.	23.236	35.074	23.939	.080
30.	23.181	35.075	23.956	.120
40.	21.443	35.059	24.435	.158
50.	15.908	35.075	25.843	.187
60.	15.278	35.061	25.975	.208
70.	14.874	35.049	26.054	.228
80.	14.707	35.044	26.087	.247
90.	14.470	35.029	26.126	.267
100.	14.372	35.022	26.142	.286
110.	14.227	35.011	26.165	.305
120.	13.936	34.991	26.211	.324
130.	13.791	34.981	26.233	.342
140.	13.744	34.977	26.240	.360
150.	13.720	34.976	26.244	.379
160.	13.640	34.968	26.255	.397
170.	13.542	34.963	26.271	.415
180.	13.392	34.953	26.294	.433
190.	13.265	34.939	26.309	.451
200.	13.149	34.932	26.327	.468
250.	12.681	34.912	26.406	.555
300.	11.958	34.873	26.516	.637
350.	11.102	34.823	26.637	.714
400.	9.982	34.756	26.783	.785
450.	9.052	34.701	26.895	.850
500.	8.076	34.647	27.005	.909
550.	7.594	34.621	27.056	.966
600.	6.912	34.590	27.128	1.020
650.	6.482	34.579	27.178	1.070
700.	5.978	34.567	27.234	1.118
750.	5.598	34.559	27.276	1.164
800.	5.229	34.556	27.318	1.208
850.	5.016	34.557	27.344	1.251
900.	4.823	34.559	27.368	1.292
950.	4.611	34.562	27.394	1.332
1000.	4.472	34.564	27.410	1.371
1013.	4.419	34.566	27.418	

CAST EP4-80-RS-069 DATE 06 SEP 80 TIME 1159 GMT
LAT 2 59.9S LONG 102 30.3W

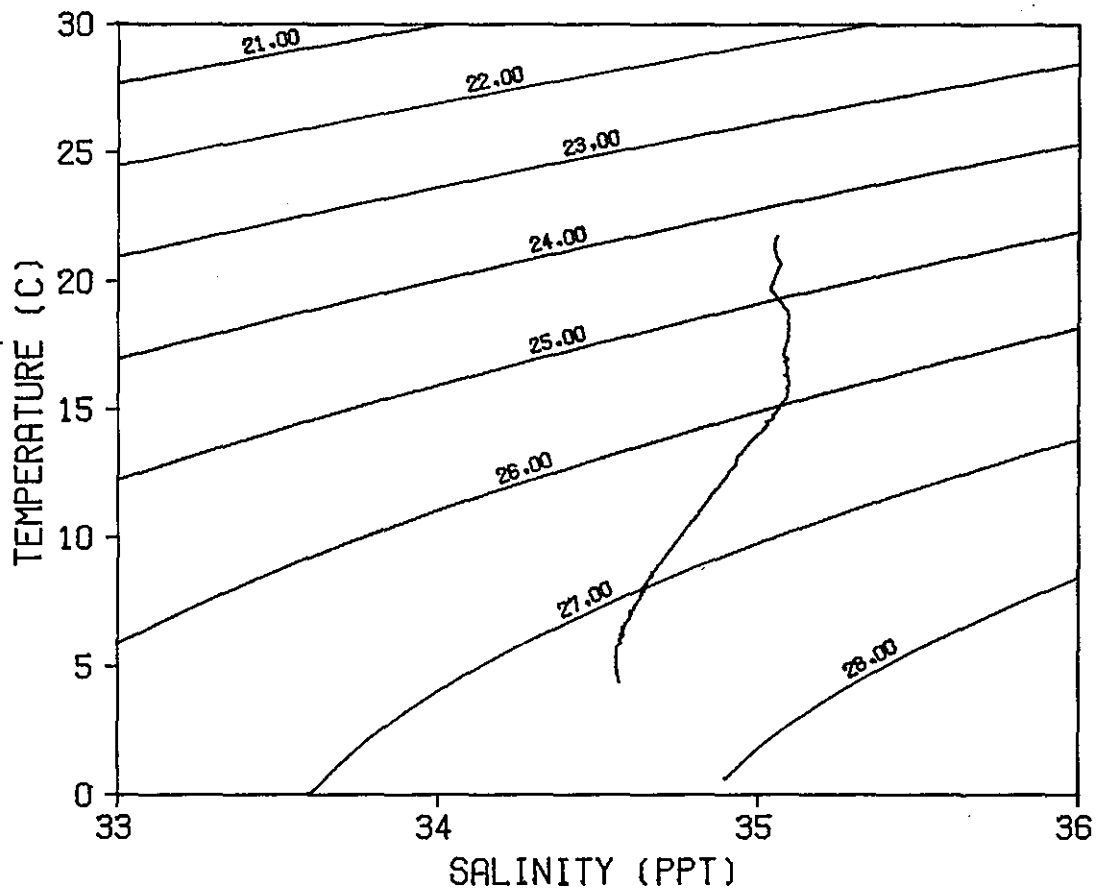




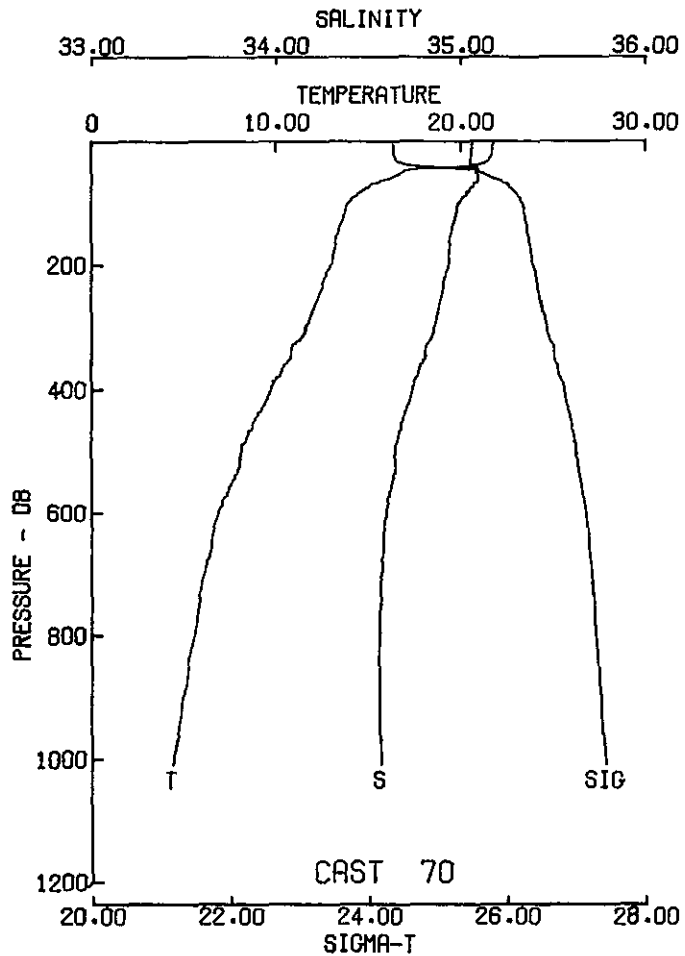
CAST EP4-80-RS-069 DATE 06 SEP 80 TIME 1159 GMT
 LAT 2 59.9S LONG 102 30.3W WEATHER 1 SEA STATE 3
 BAROMETER 15 WIND DIR 130 T SPD 16 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 22.4 WET 19.8 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	22.380	35.170	24.258	0.000
10.	22.358	35.170	24.264	.037
20.	22.335	35.170	24.270	.073
30.	20.274	35.138	24.812	.109
40.	15.797	35.103	25.890	.136
50.	15.392	35.078	25.962	.157
60.	14.912	35.059	26.053	.177
70.	14.592	35.040	26.109	.197
80.	14.357	35.026	26.149	.216
90.	14.191	35.016	26.176	.235
100.	14.030	35.012	26.207	.253
110.	13.883	34.991	26.221	.272
120.	13.769	34.980	26.237	.290
130.	13.714	34.982	26.250	.308
140.	13.644	34.976	26.260	.326
150.	13.519	34.967	26.279	.344
160.	13.465	34.963	26.287	.362
170.	13.392	34.958	26.298	.380
180.	13.345	34.955	26.305	.398
190.	13.273	34.949	26.316	.415
200.	13.196	34.946	26.329	.433
250.	12.603	34.916	26.424	.519
300.	11.974	34.882	26.520	.601
350.	10.619	34.798	26.705	.677
400.	9.569	34.735	26.837	.746
450.	9.056	34.706	26.899	.809
500.	8.107	34.654	27.006	.869
550.	7.315	34.613	27.090	.925
600.	6.659	34.583	27.158	.977
650.	6.273	34.574	27.202	1.026
700.	6.051	34.568	27.226	1.074
750.	5.779	34.561	27.255	1.121
800.	5.534	34.559	27.283	1.166
850.	5.233	34.556	27.317	1.210
900.	4.948	34.556	27.351	1.253
950.	4.696	34.558	27.381	1.294
1000.	4.348	34.566	27.426	1.333
1010.	4.335	34.568	27.429	

CAST EP4-80-RS-070 DATE 07 SEP 80 TIME 0029 GMT
LAT 2 28.6S LONG 102 30.2W

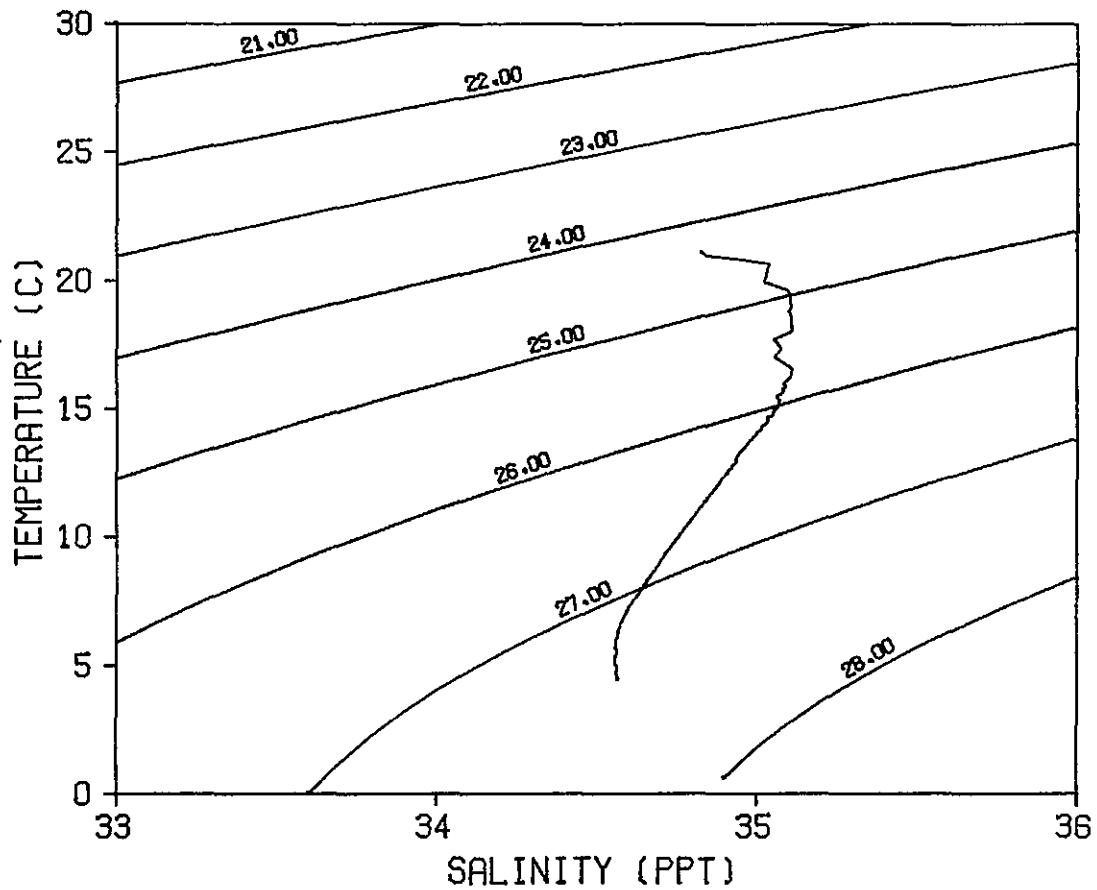


CAST EP4-80-RS-070 DATE 07 SEP 80 TIME 0029 GMT
 LAT 2 28.65 LONG 102 30.2W WEATHER 2 SEA STATE 3
 BARDMETER 15 WIND DIR 130 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 20.8 WET 19.5 DEPTH M

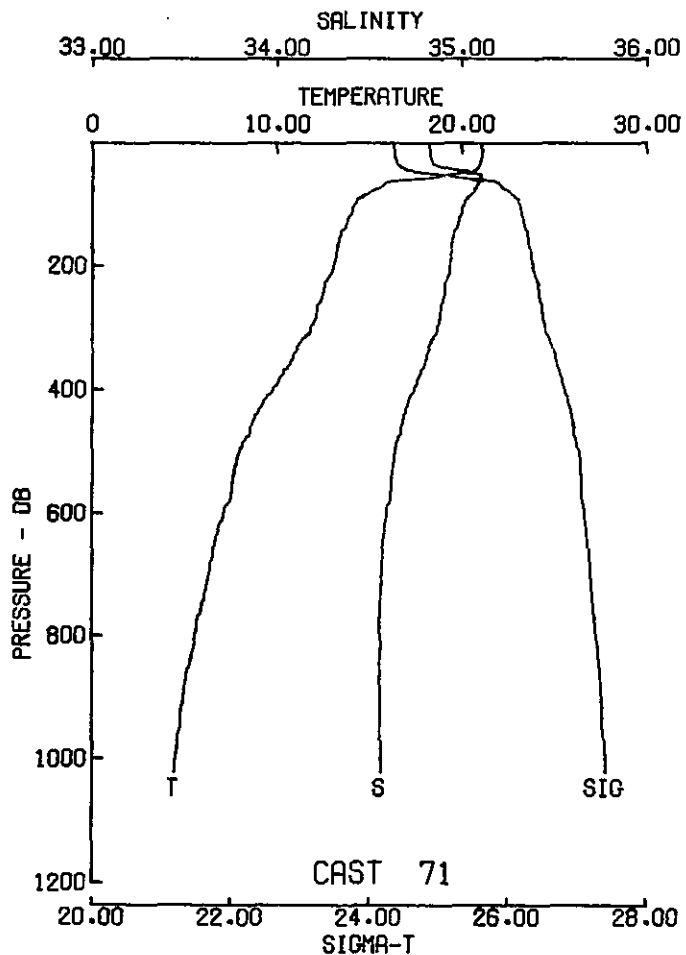


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	21.757	35.056	24.346	0.000
5.	21.742	35.059	24.352	
10.	21.711	35.059	24.361	.036
20.	21.705	35.059	24.363	.072
30.	21.549	35.055	24.403	.107
40.	20.669	35.071	24.655	.142
50.	16.941	35.090	25.614	.169
60.	16.196	35.093	25.791	.192
70.	15.145	35.069	26.010	.214
80.	14.673	35.048	26.097	.233
90.	14.270	35.021	26.163	.253
100.	13.898	34.990	26.218	.271
110.	13.748	34.979	26.241	.289
120.	13.670	34.973	26.253	.308
130.	13.573	34.967	26.268	.326
140.	13.428	34.955	26.288	.343
150.	13.344	34.950	26.302	.361
160.	13.209	34.940	26.322	.379
170.	13.164	34.937	26.329	.396
180.	13.090	34.934	26.341	.414
190.	13.023	34.932	26.353	.431
200.	12.951	34.933	26.369	.448
250.	12.284	34.895	26.470	.532
300.	11.588	34.854	26.572	.611
350.	10.776	34.806	26.683	.686
400.	9.686	34.736	26.818	.755
450.	8.831	34.685	26.918	.819
500.	8.132	34.646	26.996	.879
550.	7.609	34.630	27.061	.935
600.	6.882	34.597	27.138	.989
650.	6.469	34.580	27.181	1.039
700.	6.100	34.572	27.223	1.088
750.	5.804	34.563	27.253	1.134
800.	5.562	34.560	27.280	1.180
850.	5.230	34.557	27.319	1.224
900.	4.923	34.557	27.354	1.267
950.	4.721	34.559	27.379	1.308
1000.	4.425	34.564	27.416	1.347
1009.	4.356	34.566	27.425	

CAST EP4-80-RS-071 DATE 07 SEP 80 TIME 0546 GMT
LAT 2 00.6S LONG 102 30.2W

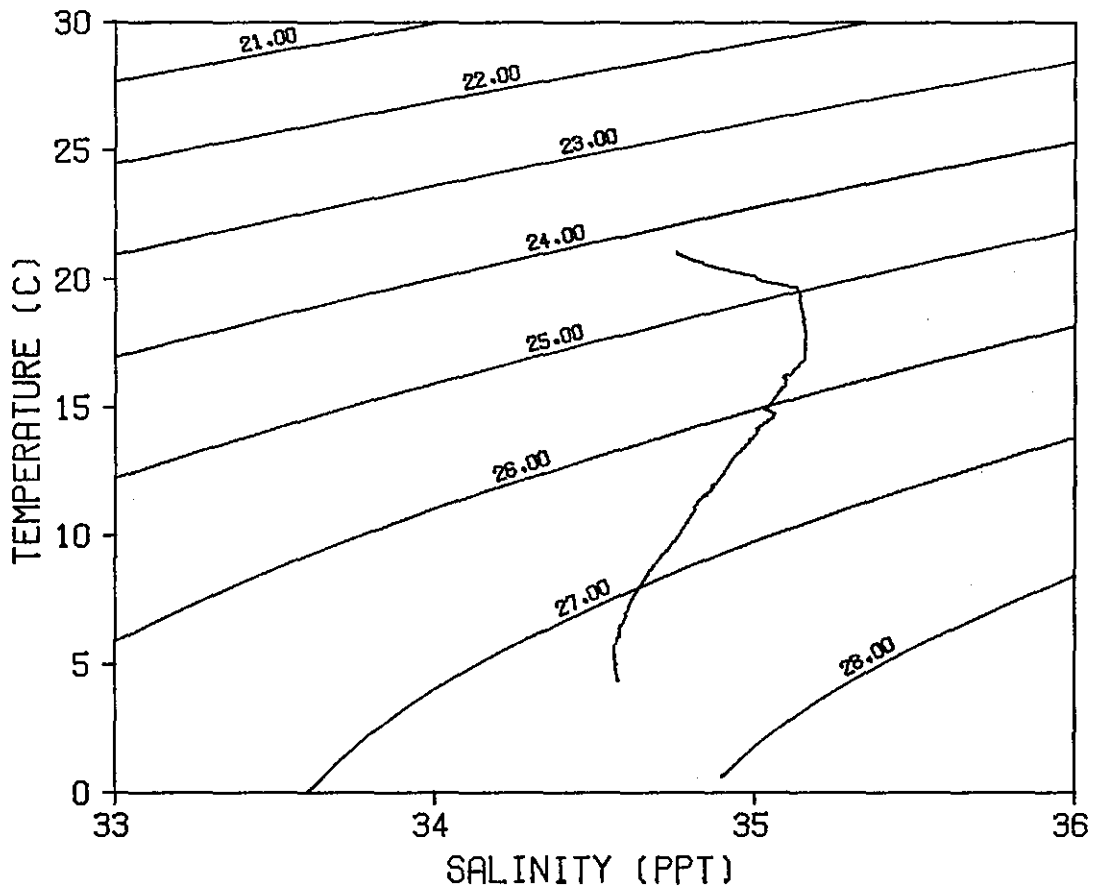


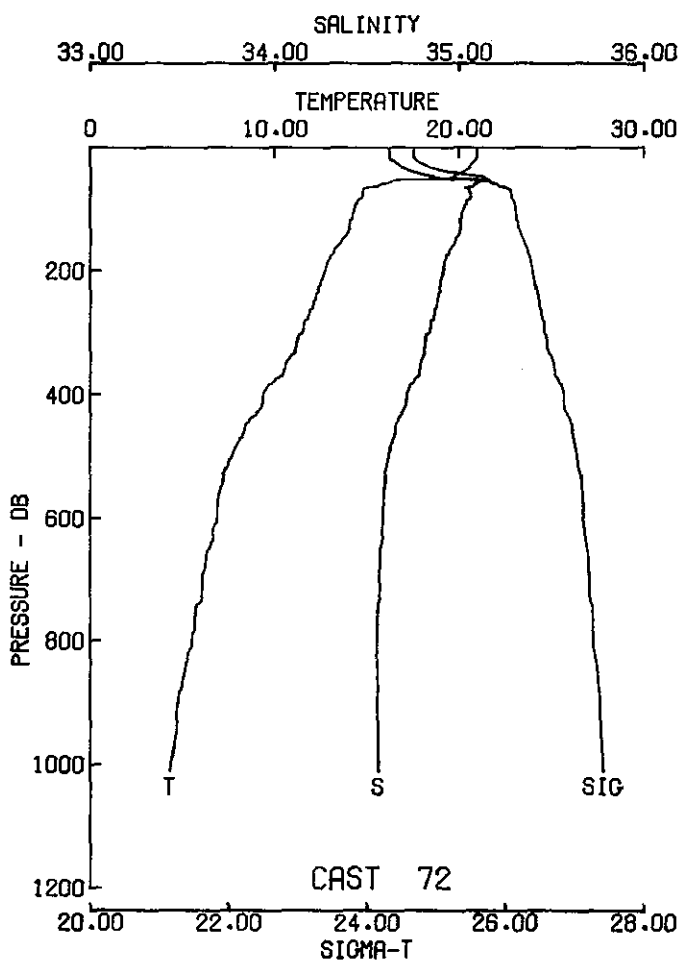
CAST EP4-80-RS-071 DATE 07 SEP 80 TIME 0546 GMT
 LAT 2 00.6S LONG 102 30.2W WEATHER 8 SEA STATE 3
 BAROMETER 12 WIND DIR 100 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 20.5 WET 19.5 DEPTH M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	21.111	34.826	24.349	0.000
3.	21.106	34.826	24.335	
10.	21.102	34.826	24.335	.036
20.	21.093	34.826	24.335	.072
30.	21.000	34.838	24.388	.108
40.	20.885	34.904	24.470	.143
50.	19.637	35.093	24.945	.176
60.	16.992	35.058	25.577	.204
70.	15.691	35.083	25.899	.226
80.	15.016	35.062	26.033	.247
90.	14.451	35.029	26.130	.266
100.	14.224	35.011	26.166	.285
110.	14.074	35.002	26.190	.304
120.	13.924	34.991	26.214	.323
130.	13.784	34.982	26.236	.341
140.	13.591	34.969	26.266	.359
150.	13.437	34.958	26.289	.377
160.	13.354	34.950	26.300	.395
170.	13.288	34.946	26.310	.413
180.	13.184	34.941	26.327	.430
190.	13.130	34.940	26.337	.448
200.	13.047	34.934	26.350	.465
250.	12.443	34.903	26.446	.549
300.	11.828	34.868	26.537	.630
350.	10.807	34.806	26.678	.706
400.	9.761	34.741	26.809	.776
450.	8.740	34.683	26.931	.839
500.	7.958	34.638	27.016	.898
550.	7.591	34.619	27.055	.954
600.	7.147	34.596	27.101	1.009
650.	6.678	34.577	27.151	1.061
700.	6.337	34.568	27.189	1.111
750.	5.969	34.561	27.231	1.160
800.	5.594	34.560	27.277	1.206
850.	5.266	34.556	27.314	1.250
900.	4.959	34.561	27.354	1.293
950.	4.813	34.561	27.370	1.334
1000.	4.509	34.564	27.406	1.374
1022.	4.452	34.564	27.413	

CAST EP4-80-RS-072 DATE 07 SEP 80 TIME 1109 GMT
LAT 1 30.15 LONG 102 30.4W

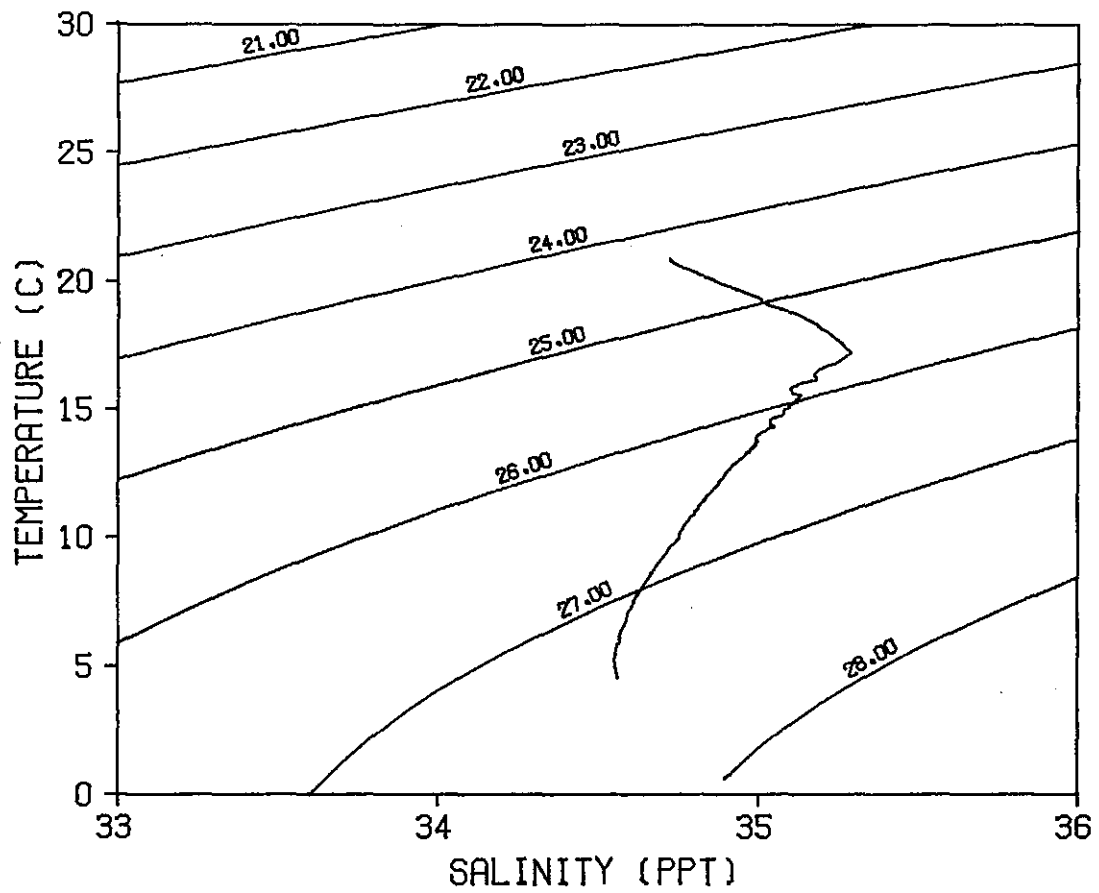




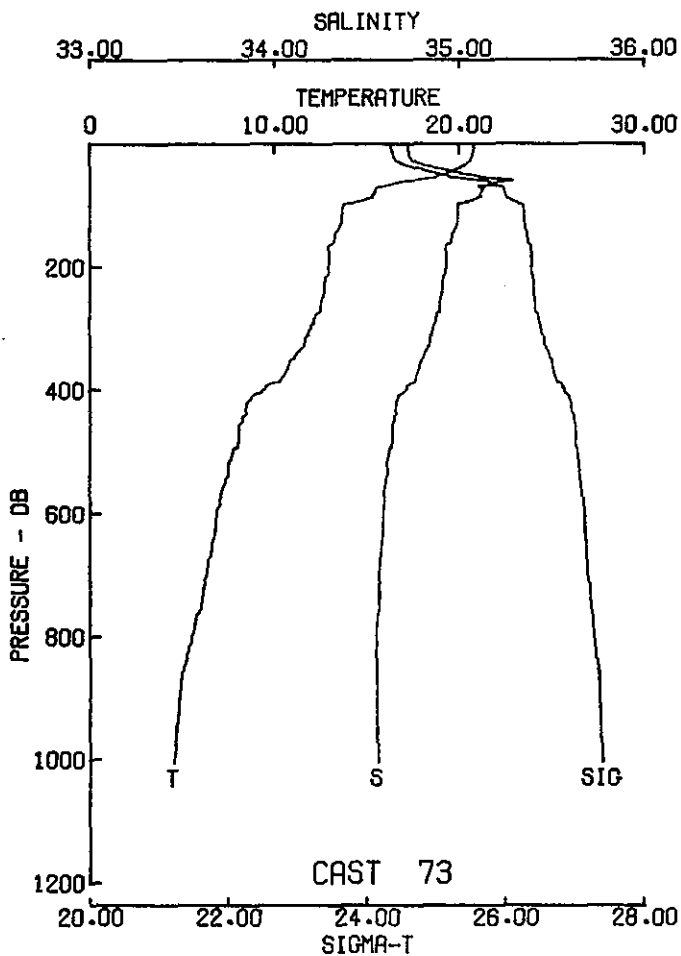
CAST EP4-80-RS-072 DATE 07 SEP 80 TIME 1109 GMT
 LAT 1 30.1S LONG 102 30.4W WEATHER 2 SEA STATE 3
 BAROMETER 14 WIND DIR 130 T SPD 14 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.8 WET 19.9 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	20.979	34.756	24.332	0.000
5.	20.993	34.755	24.327	
10.	20.985	34.755	24.330	.036
20.	20.913	34.769	24.359	.072
30.	20.632	34.833	24.484	.107
40.	20.221	34.957	24.688	.141
50.	19.351	35.143	25.057	.172
60.	15.745	35.083	25.886	.196
70.	14.786	35.056	26.079	.217
80.	14.754	35.065	26.093	.236
90.	14.452	35.043	26.141	.255
100.	14.331	35.027	26.155	.274
110.	14.245	35.017	26.165	.293
120.	14.131	35.012	26.185	.312
130.	14.067	35.011	26.198	.331
140.	13.931	35.003	26.221	.349
150.	13.655	34.984	26.264	.368
160.	13.409	34.966	26.300	.386
170.	13.216	34.949	26.327	.403
180.	12.989	34.931	26.359	.421
190.	12.845	34.922	26.381	.438
200.	12.767	34.919	26.394	.455
250.	12.126	34.882	26.491	.537
300.	11.556	34.846	26.572	.616
350.	10.626	34.794	26.700	.691
400.	9.410	34.722	26.853	.759
450.	8.421	34.658	26.961	.822
500.	7.702	34.621	27.040	.880
550.	7.089	34.597	27.109	.934
600.	6.908	34.591	27.130	.985
650.	6.453	34.572	27.177	1.036
700.	6.104	34.570	27.220	1.085
750.	5.711	34.559	27.262	1.132
800.	5.544	34.556	27.280	1.177
850.	5.117	34.560	27.334	1.221
900.	4.796	34.561	27.372	1.263
950.	4.671	34.562	27.387	1.303
1000.	4.386	34.567	27.423	1.342
1011.	4.353	34.568	27.427	

CAST EP4-80-RS-073 DATE 07 SEP 80 TIME 1648 GMT
LAT 1 00.2S LONG 102 30.3W

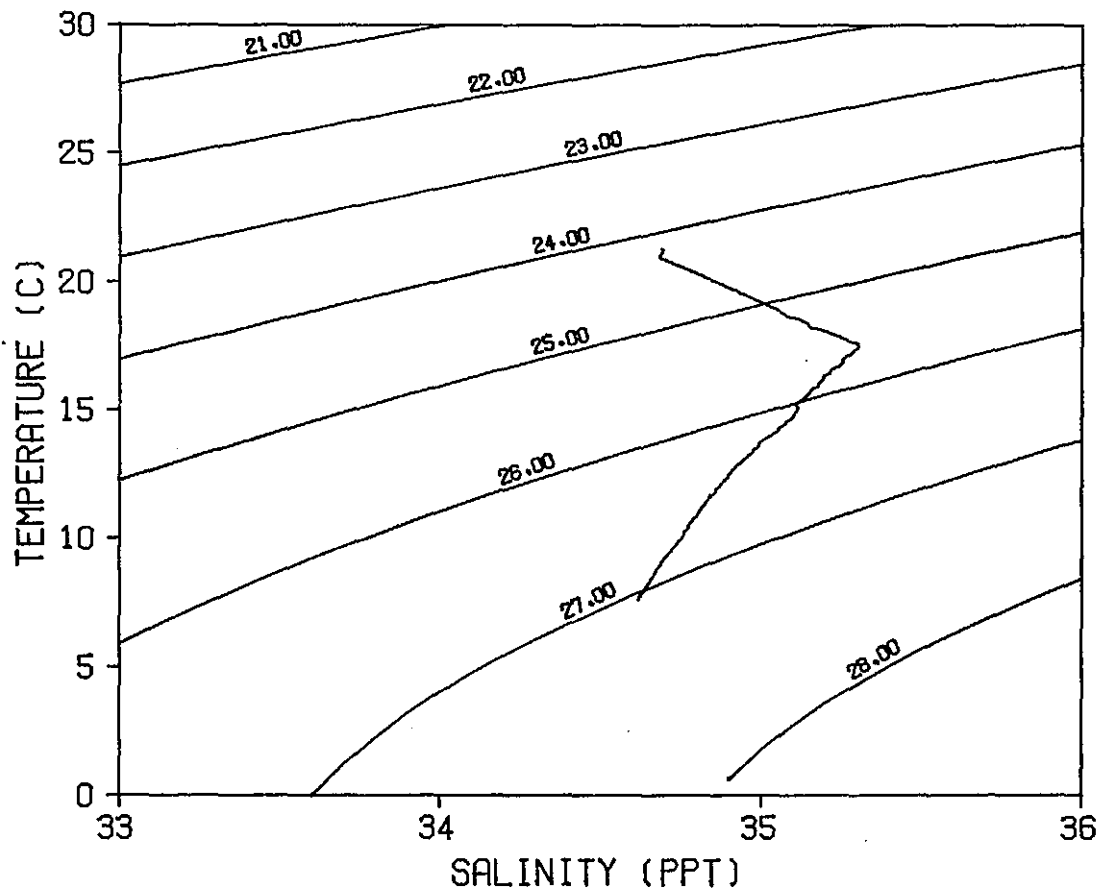


CAST EP4-80-RS-073 DATE 07 SEP 80 TIME 1648 GMT
 LAT 1 00.2S LONG 102 30.3W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 150 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 22.0 WET 20.0 DEPTH M

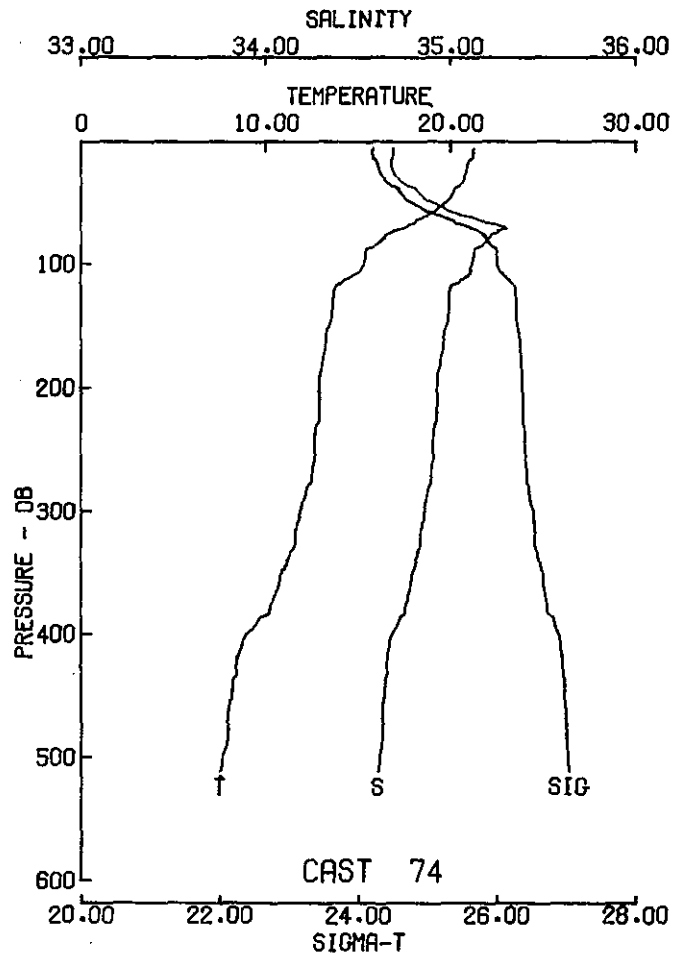


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	20.824	34.723	24.348	0.000
5.	20.816	34.724	24.352	
10.	20.800	34.726	24.358	.036
20.	20.715	34.732	24.385	.072
30.	20.501	34.772	24.473	.107
40.	19.913	34.881	24.711	.141
50.	19.057	35.032	25.048	.172
60.	17.189	35.292	25.710	.199
70.	15.640	35.104	25.926	.221
80.	15.391	35.119	25.994	.241
90.	14.973	35.084	26.059	.262
100.	13.730	34.996	26.258	.281
110.	13.641	34.990	26.272	.299
120.	13.630	34.992	26.275	.316
130.	13.597	34.990	26.281	.334
140.	13.453	34.974	26.298	.352
150.	13.282	34.965	26.326	.370
160.	13.228	34.960	26.353	.387
170.	12.913	34.930	26.373	.404
180.	12.896	34.927	26.375	.421
190.	12.893	34.927	26.375	.438
200.	12.887	34.926	26.376	.456
250.	12.583	34.902	26.417	.540
300.	11.950	34.862	26.509	.623
350.	11.009	34.803	26.639	.701
400.	9.412	34.712	26.845	.771
450.	8.207	34.646	26.984	.831
500.	7.724	34.619	27.036	.889
550.	7.315	34.604	27.083	.944
600.	6.828	34.587	27.138	.996
650.	6.594	34.581	27.165	1.047
700.	6.338	34.570	27.190	1.097
750.	6.003	34.566	27.230	1.145
800.	5.491	34.552	27.283	1.191
850.	5.079	34.553	27.333	1.235
900.	4.827	34.555	27.364	1.277
950.	4.687	34.558	27.382	1.317
1000.	4.539	34.561	27.401	1.357
1005.	4.522	34.561	27.402	

CAST EP4-80-RS-074 DATE 08 SEP 80 TIME 0030 GMT
LAT 01 00.4N LONG 102 31.5W

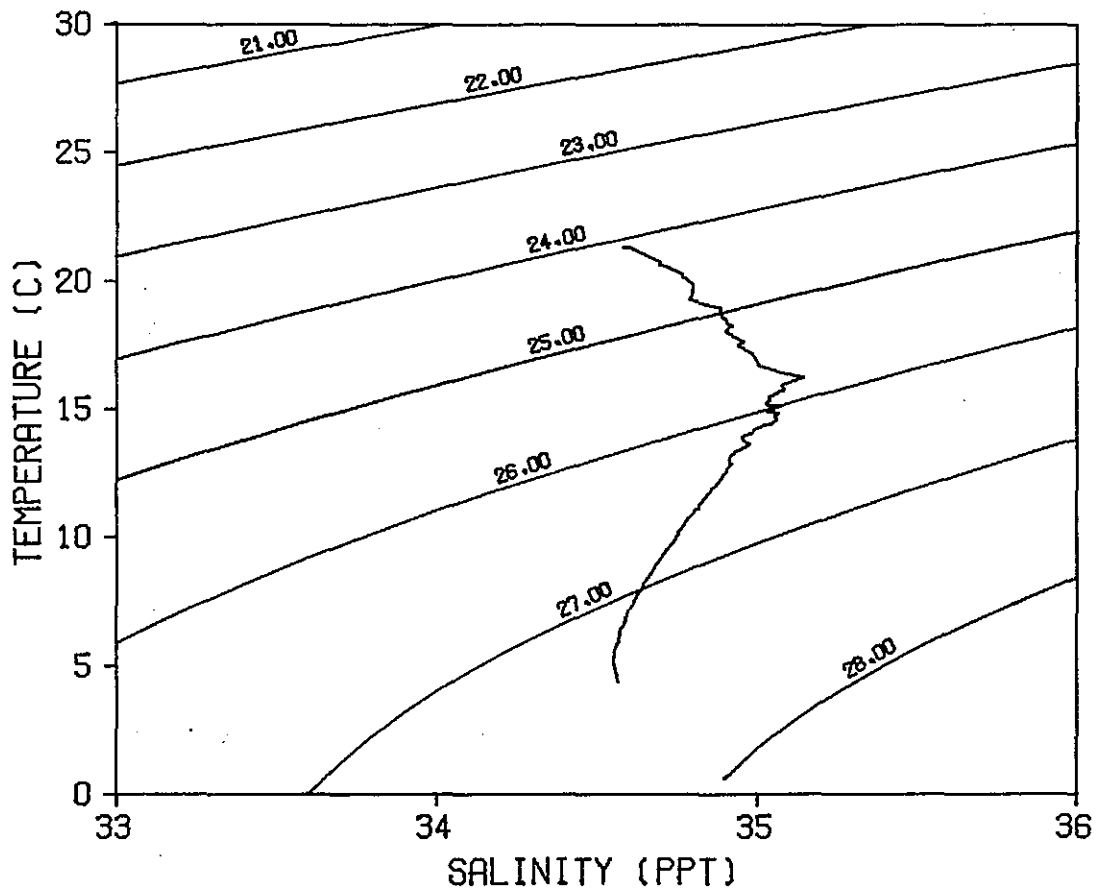


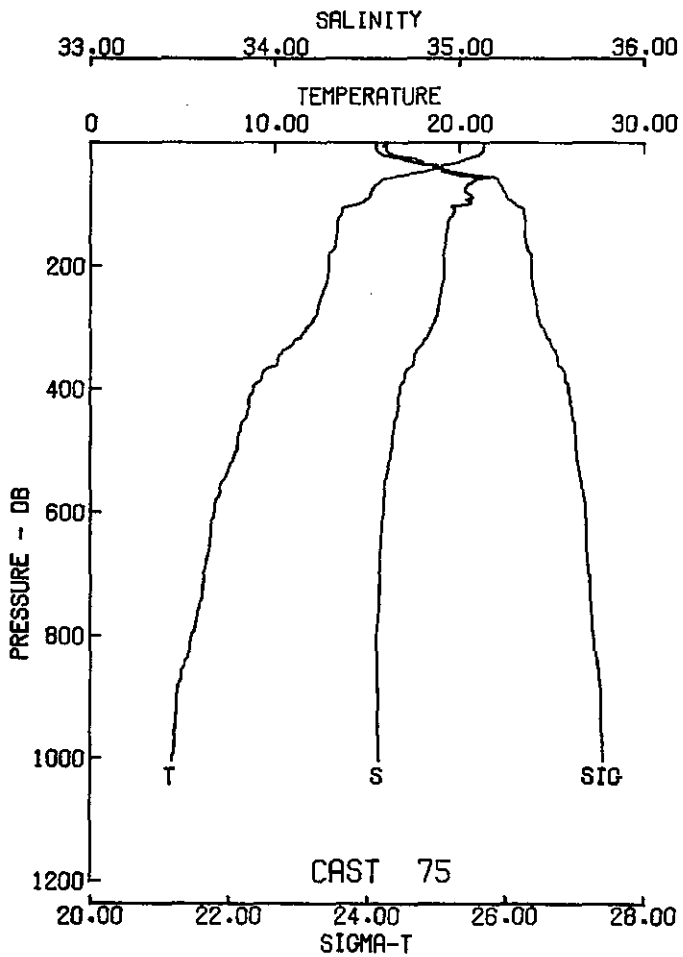
CAST EP4-80-RS-074 DATE 08 SEP 80 TIME 0030 GMT
 LAT 01 00.4 LONG 102 31.5W WEATHER 2 SEA STATE 3
 BAROMETER 16 WIND DIR 120 T SPD 14 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 20.2 WET 19.6 DEPTH M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	21.267	34.685	24.199	0.000
5.	21.243	34.690	24.210	
10.	21.245	34.690	24.209	.037
20.	20.928	34.684	24.291	.074
30.	20.743	34.716	24.365	.110
40.	20.191	34.819	24.591	.145
50.	19.736	34.901	24.773	.178
60.	18.868	35.054	25.113	.209
70.	17.608	35.298	25.613	.235
80.	16.343	35.198	25.837	.258
90.	15.415	35.129	25.996	.279
100.	15.330	35.117	26.006	.299
110.	14.694	35.100	26.132	.319
120.	13.745	34.997	26.255	.338
130.	13.631	34.991	26.274	.356
140.	13.595	34.990	26.281	.374
150.	13.472	34.980	26.299	.392
160.	13.275	34.964	26.326	.409
170.	13.206	34.957	26.335	.427
180.	13.060	34.943	26.355	.444
190.	12.936	34.931	26.370	.461
200.	12.907	34.928	26.373	.478
250.	12.657	34.907	26.407	.564
300.	11.873	34.857	26.520	.647
350.	10.848	34.795	26.661	.724
400.	8.980	34.685	26.894	.794
450.	8.196	34.645	26.986	.853
500.	7.698	34.618	27.038	.910
511.	7.586	34.613	27.051	

CAST EP4-80-RS-075 DATE 08 AUG 80 TIME 0359 GMT
LAT 00 29.2N LONG 102 31.9W

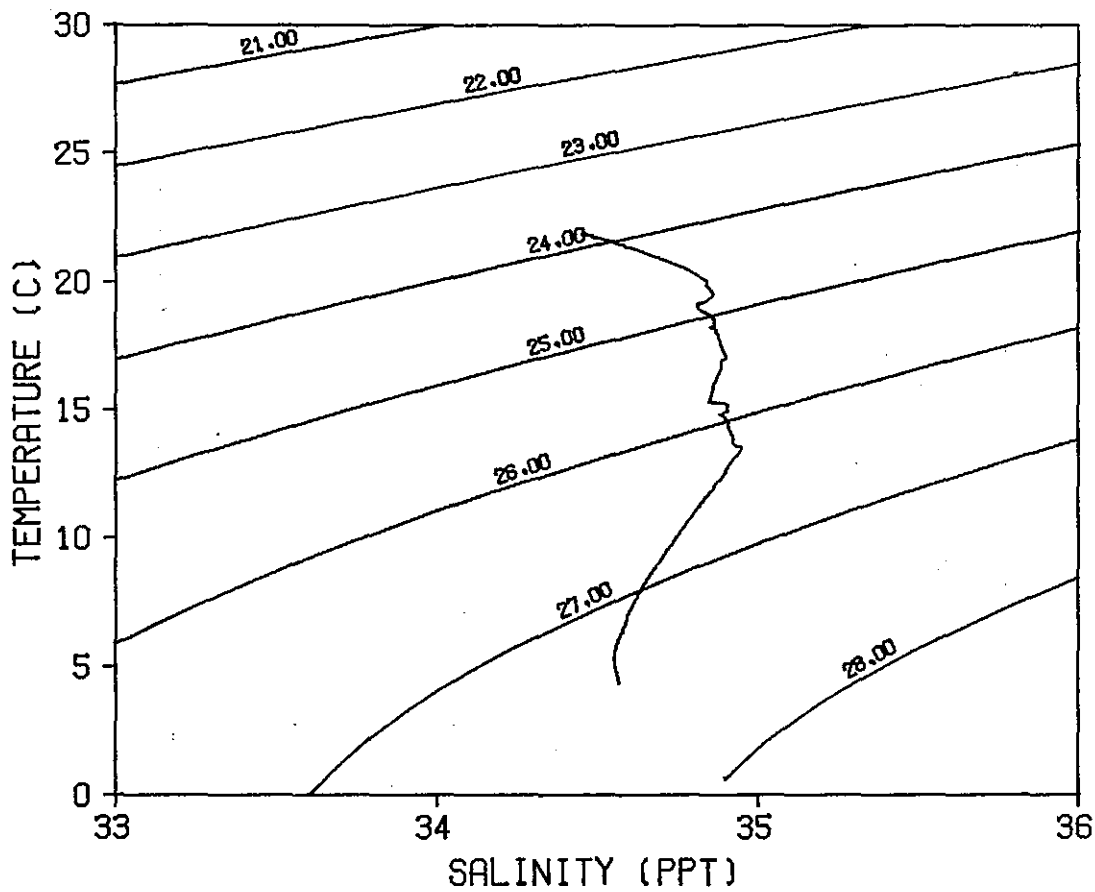


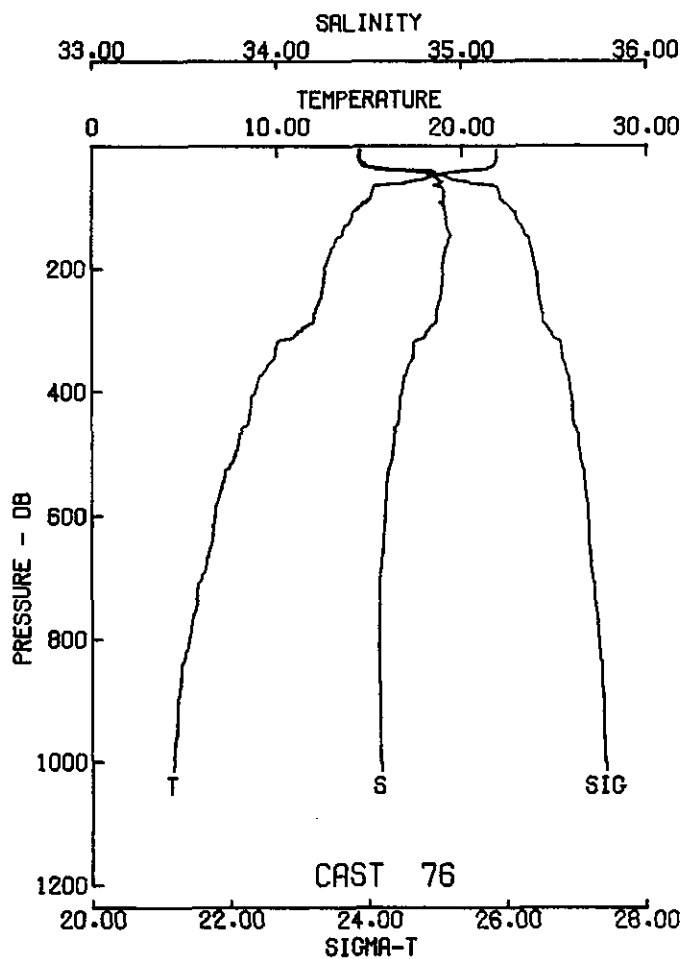


CAST EP4-80-RS-075 DATE 08 AUG 80 TIME 0359 GMT
 LAT 00 29.2 LONG 102 31.9W WEATHER 7 SEA STATE 2
 BAROMETER 12 WIND DIR 130 T SPD 15 KT VISIBILITY 3
 CLOUD X AMOUNT 9 DRY 20.0 WET 20.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	21.309	34.606	24.128	0.000
4.	21.308	34.602	24.126	
10.	21.302	34.603	24.128	.038
20.	21.093	34.639	24.212	.076
30.	20.018	34.783	24.609	.111
40.	19.015	34.881	24.943	.143
50.	17.638	34.956	25.344	.172
60.	15.793	35.085	25.877	.195
70.	15.411	35.038	25.927	.217
80.	15.196	35.029	25.968	.238
90.	15.081	35.065	26.021	.258
100.	14.452	35.047	26.144	.278
110.	13.613	34.975	26.266	.296
120.	13.508	34.960	26.276	.314
130.	13.394	34.939	26.283	.332
140.	13.377	34.935	26.284	.350
150.	13.354	34.930	26.284	.368
160.	13.303	34.926	26.292	.386
170.	13.212	34.919	26.305	.403
180.	12.935	34.910	26.334	.421
190.	12.882	34.914	26.367	.438
200.	12.889	34.917	26.369	.455
250.	12.509	34.896	26.427	.541
300.	11.796	34.853	26.532	.623
350.	10.167	34.753	26.749	.697
400.	8.838	34.679	26.912	.762
450.	8.316	34.652	26.972	.822
500.	7.929	34.632	27.016	.879
550.	7.185	34.600	27.098	.935
600.	6.711	34.587	27.154	.986
650.	6.494	34.577	27.175	1.036
700.	6.166	34.570	27.213	1.085
750.	5.917	34.567	27.242	1.133
800.	5.522	34.554	27.281	1.179
850.	5.071	34.553	27.334	1.223
900.	4.696	34.559	27.382	1.264
950.	4.626	34.560	27.390	1.304
1000.	4.422	34.564	27.416	1.343
1004.	4.415	34.564	27.417	

CAST EP4-80-RS-076 DATE 08 SEP 80 TIME 1327 GMT
LAT 00 01.8N LONG 102 30.5W

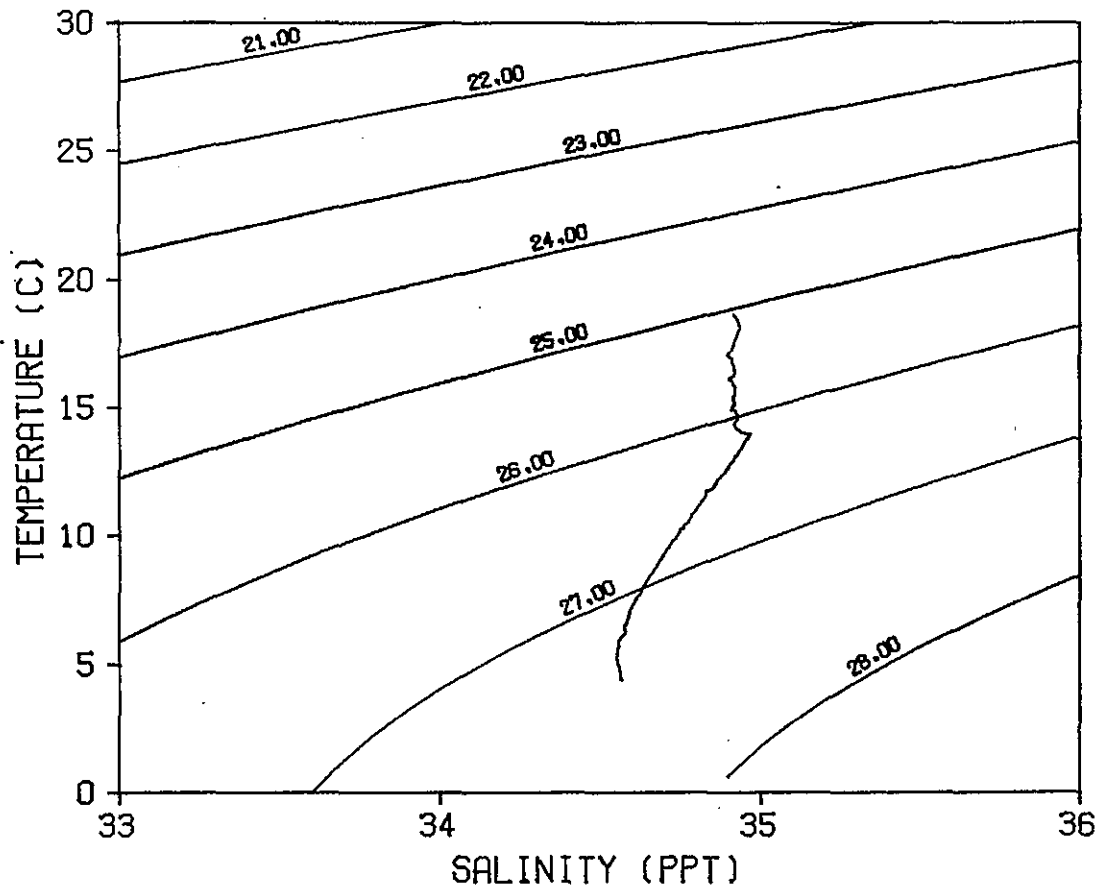




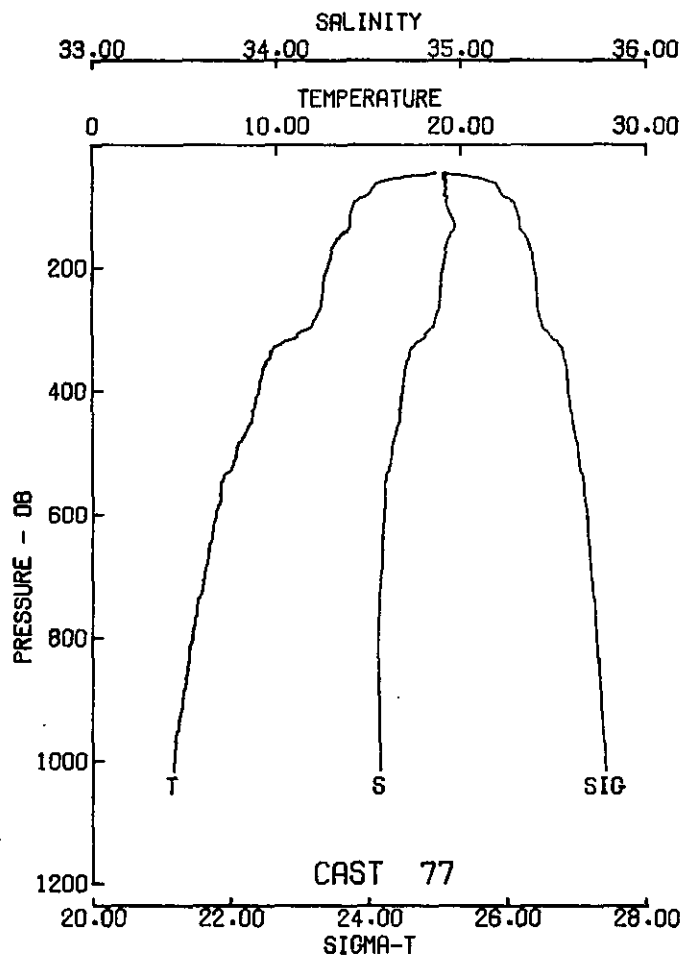
CAST EP4-80-RS-076 DATE 08 SEP 80 TIME 1327 GMT
 LAT 00 01.8N LONG 102 30.5W WEATHER 1 SEA STATE 3
 BARMETER 15 WIND DIR 140 T SPD 14 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.8 WET 20.2 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
7.	21.889	34.450	23.850	
10.	21.891	34.450	23.849	.041
20.	21.892	34.449	23.848	.081
30.	21.791	34.483	23.901	.122
40.	20.534	34.771	24.463	.161
50.	18.299	34.868	25.114	.192
60.	16.969	34.893	25.457	.219
70.	15.223	34.902	25.864	.242
80.	15.135	34.908	25.888	.264
90.	14.925	34.904	25.931	.285
100.	14.475	34.907	26.032	.306
110.	14.124	34.915	26.112	.323
120.	14.025	34.918	26.136	.345
130.	13.717	34.921	26.203	.364
140.	13.589	34.935	26.240	.382
150.	13.267	34.936	26.307	.400
160.	13.135	34.927	26.327	.418
170.	12.955	34.914	26.353	.433
180.	12.868	34.909	26.366	.452
190.	12.756	34.903	26.384	.469
200.	12.589	34.896	26.412	.486
250.	12.349	34.884	26.449	.570
300.	11.362	34.823	26.590	.650
350.	9.796	34.732	26.797	.720
400.	8.866	34.680	26.908	.783
450.	8.508	34.660	26.949	.844
500.	7.758	34.625	27.035	.901
550.	7.024	34.592	27.115	.955
600.	6.664	34.585	27.158	1.006
650.	6.447	34.576	27.180	1.056
700.	5.959	34.561	27.232	1.104
750.	5.611	34.554	27.270	1.150
800.	5.255	34.552	27.311	1.194
850.	4.826	34.555	27.364	1.236
900.	4.648	34.560	27.388	1.277
950.	4.600	34.561	27.394	1.316
1000.	4.437	34.564	27.414	1.356
1014.	4.386	34.564	27.420	

CAST EP4-80-RS-077 DATE 09 SEP 80 TIME 1116 GMT
LAT 00 30.1N LONG 102 30.0W

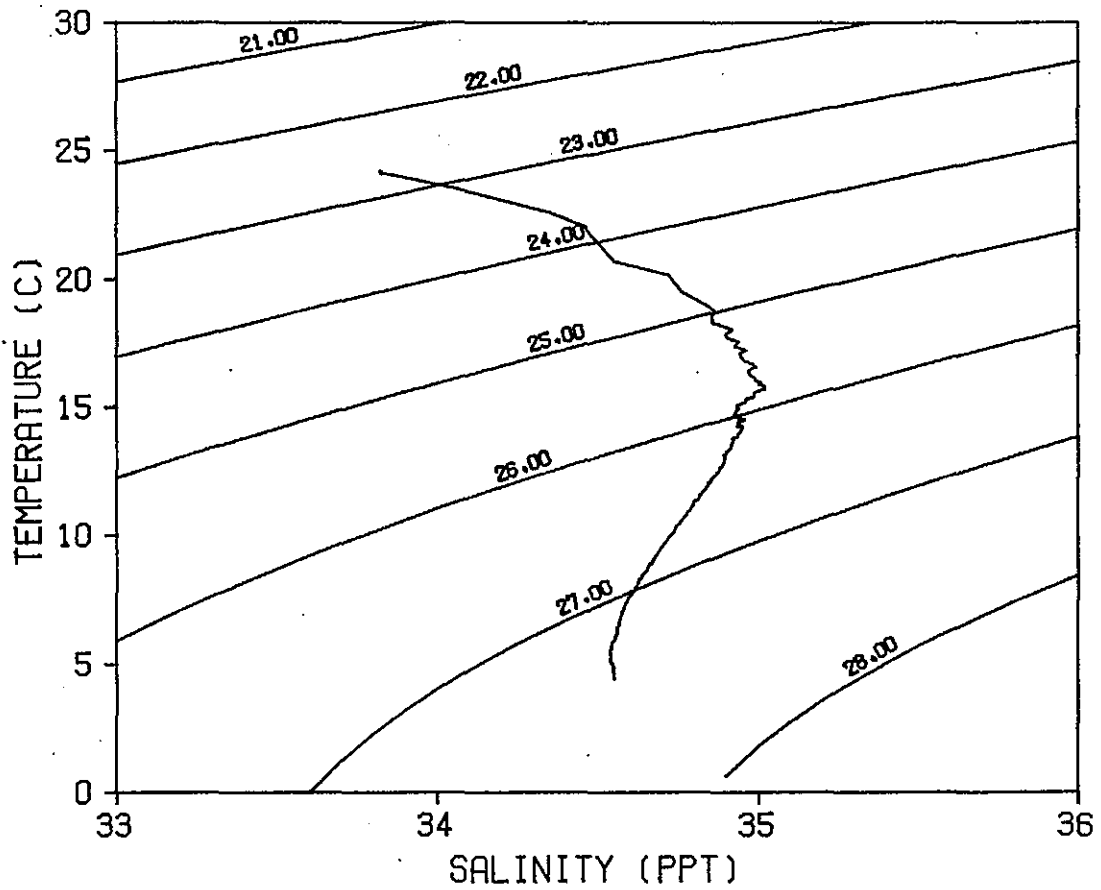


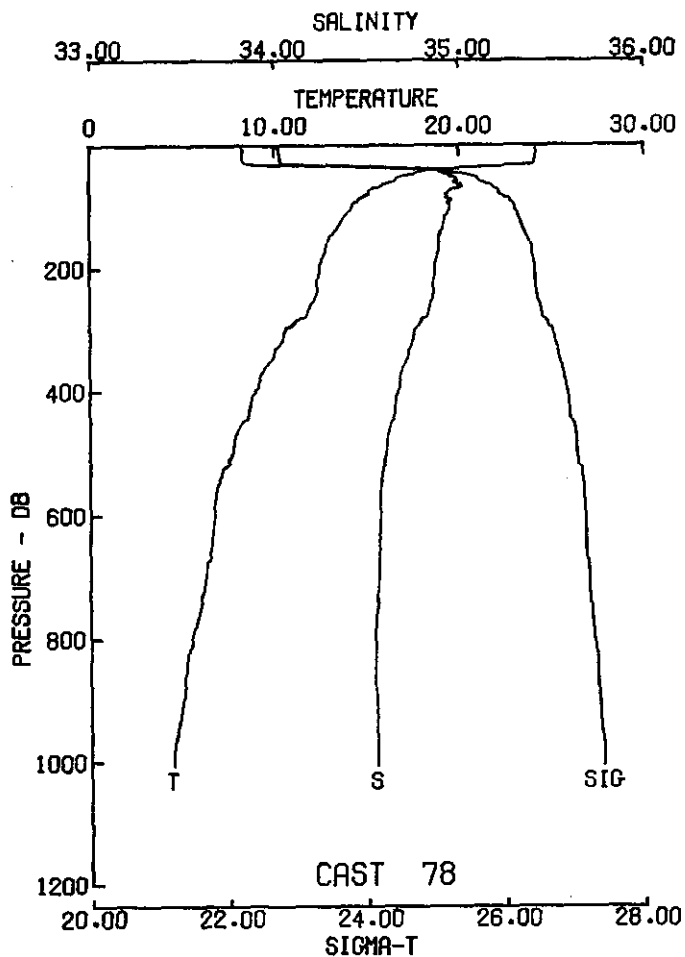
CAST EP4-80-RS-077 DATE 09 SEP 80 TIME 1116 GMT
 LAT 00 30.1N LONG 102 30.0W WEATHER 5 SEA STATE 3
 BAROMETER 15 WIND DIR 130 T SPD 16 KT VISIBILITY 6
 CLOUD X AMOUNT 9 DRY 21.6 WET 20.0 DEPTH M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
47.	18.585	34.916	25.079	
50.	17.713	34.922	25.300	.145
60.	15.794	34.922	25.751	.169
70.	15.260	34.916	25.866	.191
80.	15.031	34.914	25.916	.213
90.	14.438	34.924	26.053	.233
100.	14.177	34.924	26.108	.253
110.	14.071	34.935	26.139	.272
120.	13.987	34.954	26.171	.291
130.	13.982	34.967	26.182	.310
140.	13.875	34.965	26.203	.329
150.	13.493	34.944	26.267	.347
160.	13.231	34.930	26.310	.365
170.	13.043	34.920	26.340	.382
180.	12.946	34.916	26.356	.400
190.	12.869	34.910	26.367	.417
200.	12.778	34.904	26.381	.434
250.	12.473	34.888	26.429	.518
300.	11.767	34.839	26.526	.600
350.	9.583	34.715	26.819	.671
400.	9.064	34.688	26.883	.734
450.	8.641	34.665	26.933	.796
500.	7.852	34.626	27.022	.854
550.	7.029	34.591	27.113	.909
600.	6.720	34.584	27.150	.961
650.	6.397	34.573	27.185	1.011
700.	6.106	34.569	27.219	1.060
750.	5.672	34.555	27.264	1.106
800.	5.436	34.551	27.289	1.152
850.	5.140	34.551	27.324	1.195
900.	4.907	34.555	27.355	1.238
950.	4.691	34.558	27.382	1.278
1000.	4.454	34.562	27.411	1.318
1016.	4.399	34.564	27.418	

CAST EP4-80-RS-078 DATE 09 SEP 80 TIME 2128 GMT
LAT 00 59.4N LONG 102 30.7W

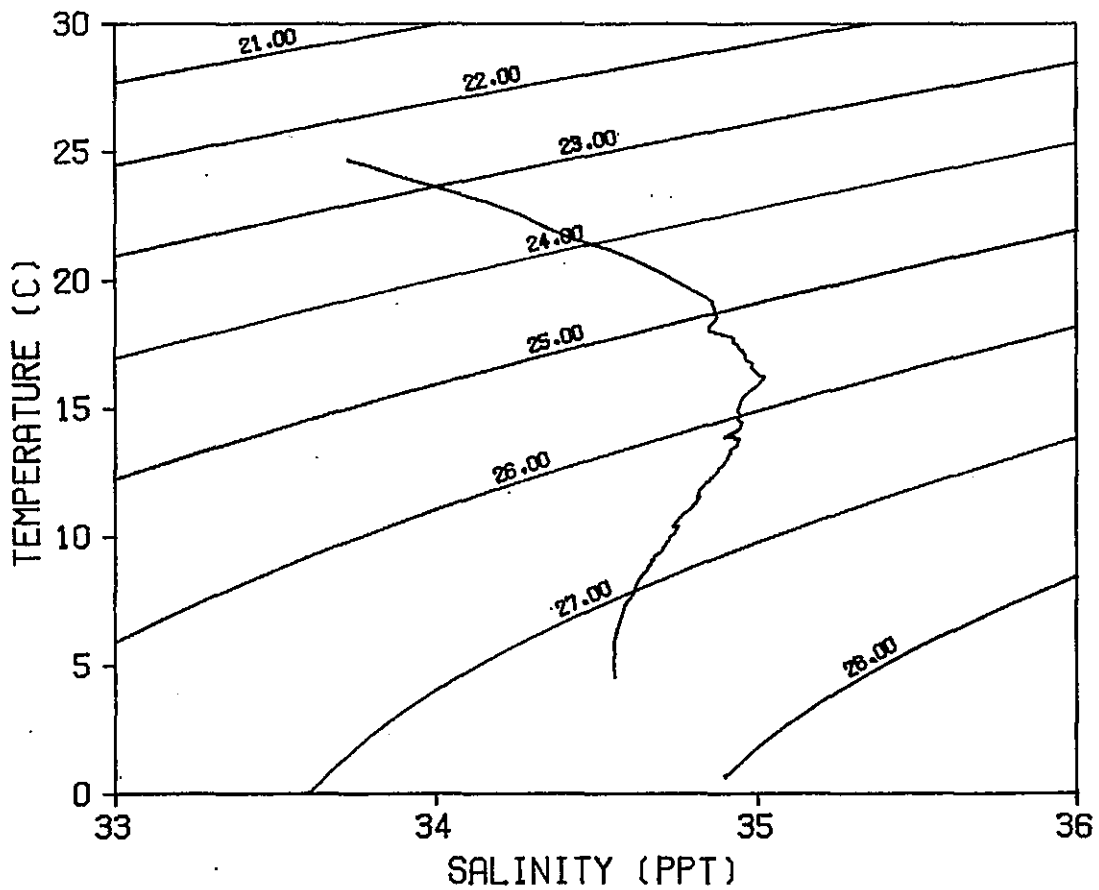




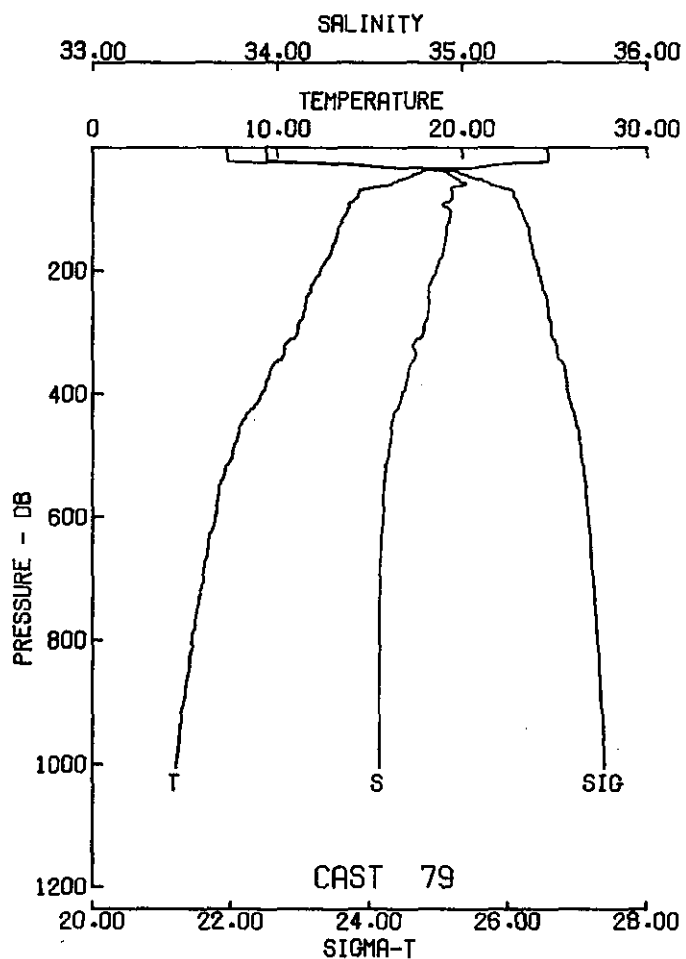
CAST EP4-80-RS-078 DATE 09 SEP 80 TIME 2128 GMT
 LAT 00 59.4N LONG 102 30.7W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 150 T SPD 14 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 22.5 WET 19.3 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	24.189	33.817	22.710	0.000
5.	24.184	33.823	22.716	
10.	24.183	33.824	22.717	.051
20.	24.108	33.824	22.739	.103
30.	24.075	33.845	22.765	.154
40.	18.507	34.855	25.052	.194
50.	16.930	34.948	25.508	.221
60.	16.239	34.974	25.689	.245
70.	15.410	34.986	25.867	.267
80.	14.959	34.938	25.950	.288
90.	14.486	34.957	26.067	.308
100.	14.148	34.949	26.133	.328
110.	13.962	34.938	26.164	.347
120.	13.690	34.920	26.207	.366
130.	13.540	34.914	26.234	.384
140.	13.277	34.901	26.278	.402
150.	13.021	34.893	26.323	.420
160.	12.802	34.888	26.363	.437
170.	12.718	34.886	26.379	.454
180.	12.636	34.881	26.391	.471
190.	12.515	34.874	26.409	.488
200.	12.413	34.869	26.425	.505
250.	12.142	34.854	26.466	.587
300.	10.580	34.760	26.682	.665
350.	9.844	34.717	26.776	.735
400.	8.925	34.666	26.888	.800
450.	8.326	34.632	26.956	.861
500.	7.724	34.604	27.024	.918
550.	6.951	34.575	27.111	.972
600.	6.681	34.568	27.143	1.024
650.	6.556	34.565	27.157	1.075
700.	6.257	34.561	27.193	1.125
750.	5.930	34.552	27.229	1.173
800.	5.476	34.538	27.274	1.219
850.	5.172	34.539	27.311	1.264
900.	4.968	34.545	27.340	1.307
950.	4.701	34.548	27.373	1.348
1000.	4.453	34.549	27.401	1.388
1006.	4.443	34.550	27.403	

CAST EP4-80-RS-079 DATE 10 SEP 80 TIME 0312 GMT
LAT 01 29.6N LONG 102 30.8W

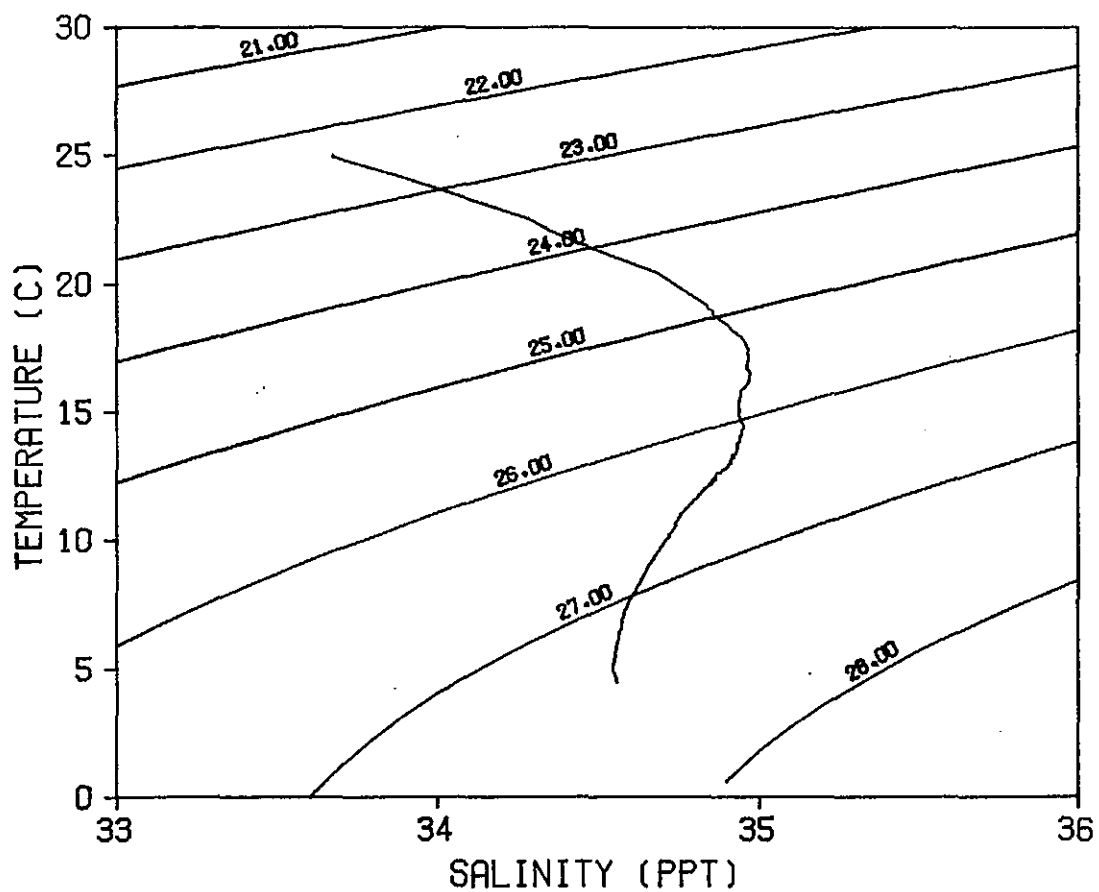


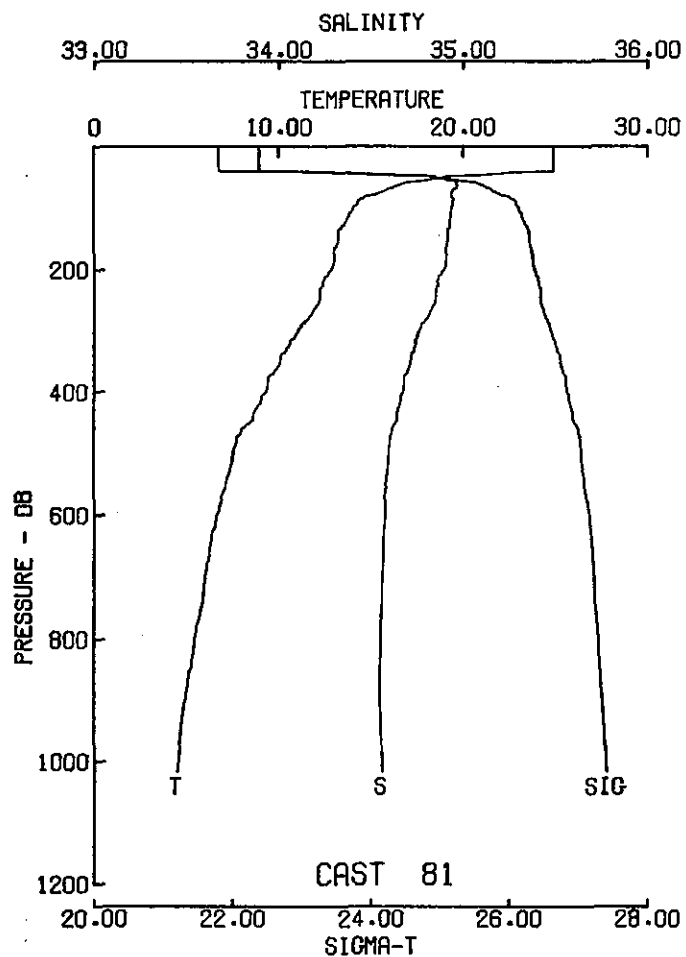
CAST EP4-80-RS-079 DATE 10 SEP 80 TIME 0312 GMT
 LAT 01 29.6N LONG 102 30.8W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 140 T SPD 14 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 21.1 WET 19.3 DEPTH M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	24.645	33.728	22.507	0.000
10.	24.644	33.728	22.508	.053
20.	24.648	33.728	22.507	.107
30.	21.434	34.479	23.998	.154
40.	17.796	34.918	25.277	.186
50.	16.940	34.963	25.517	.212
60.	16.178	35.022	25.741	.235
70.	14.479	34.948	26.062	.257
80.	14.369	34.949	26.087	.276
90.	13.971	34.909	26.140	.296
100.	13.840	34.929	26.183	.315
110.	13.731	34.941	26.215	.333
120.	13.515	34.932	26.252	.351
130.	13.305	34.917	26.284	.369
140.	13.220	34.913	26.299	.387
150.	13.141	34.909	26.312	.405
160.	12.986	34.903	26.338	.422
170.	12.896	34.898	26.352	.440
180.	12.742	34.886	26.374	.457
190.	12.520	34.872	26.407	.474
200.	12.333	34.861	26.435	.490
250.	11.541	34.821	26.555	.570
300.	11.081	34.793	26.618	.647
350.	9.889	34.725	26.775	.718
400.	9.146	34.677	26.861	.784
450.	8.048	34.620	26.988	.845
500.	7.550	34.602	27.047	.901
550.	6.872	34.577	27.124	.955
600.	6.632	34.571	27.151	1.006
650.	6.268	34.561	27.193	1.056
700.	6.003	34.557	27.224	1.104
750.	5.669	34.552	27.262	1.150
800.	5.420	34.554	27.294	1.195
850.	5.233	34.552	27.315	1.239
900.	4.958	34.553	27.347	1.282
950.	4.718	34.554	27.375	1.323
1000.	4.557	34.555	27.394	1.363
1005.	4.540	34.555	27.396	

CAST EP4-80-RS-081 DATE 10 SEP 80 TIME 0852 GMT
LAT 01 58.6N LONG 102 30.0W

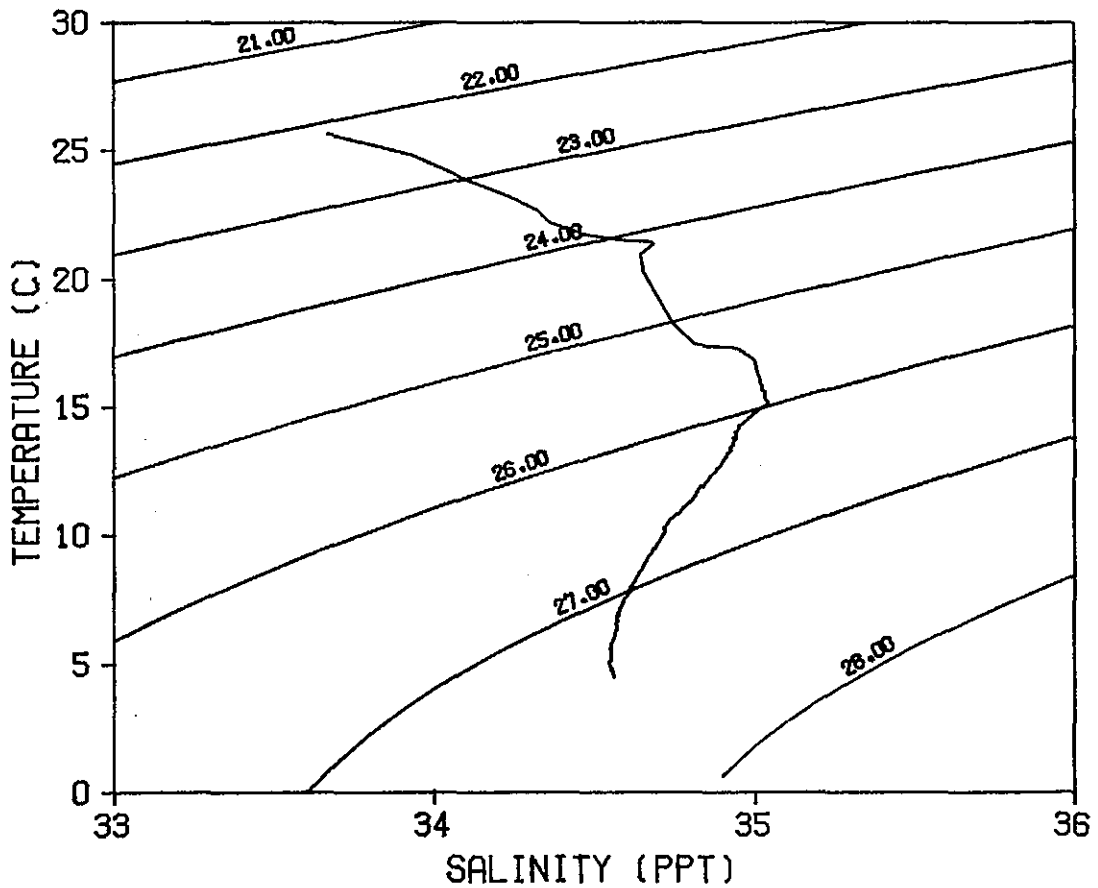




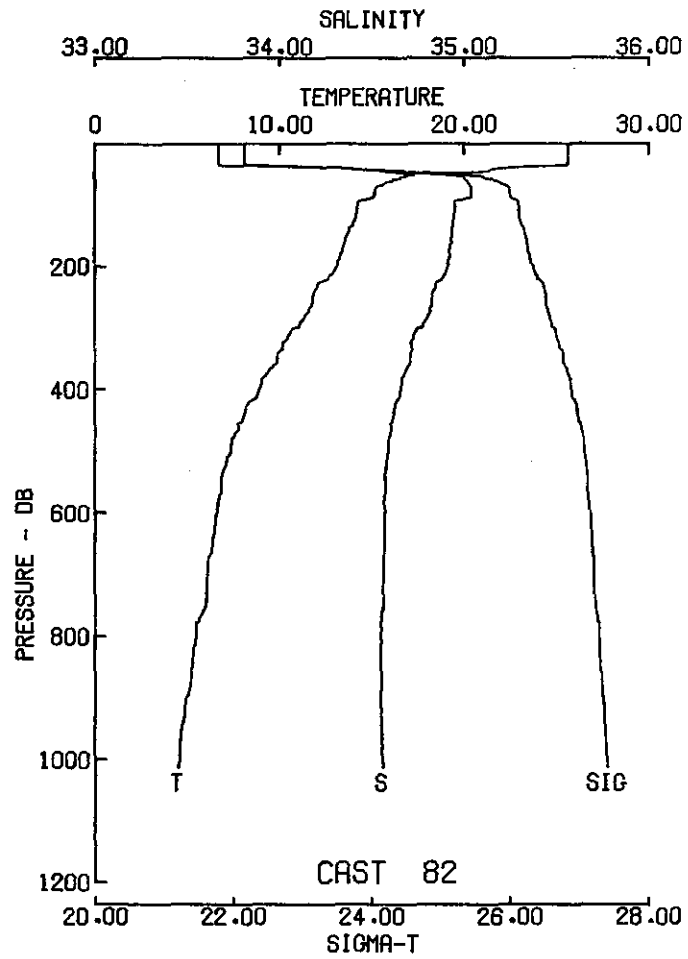
CAST EP4-80-RS-081 DATE 10 SEP 80 TIME 0852 GMT
 LAT 01 58.6N LONG 102 30.0W WEATHER 1 SEA STATE 3
 BARDMETER 13 WIND DIR 140 T SPD 12 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 24.5 WET 22.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	24.971	33.675	22.370	0.000
4.	24.940	33.674	22.378	
10.	24.914	33.673	22.385	.055
20.	24.925	33.674	22.382	.109
30.	24.928	33.675	22.382	.164
40.	24.920	33.677	22.386	.219
50.	18.946	34.856	24.942	.259
60.	16.775	34.964	25.557	.286
70.	15.879	34.949	25.753	.310
80.	14.887	34.937	25.965	.332
90.	14.281	34.946	26.103	.352
100.	14.054	34.938	26.145	.371
110.	13.860	34.937	26.185	.390
120.	13.682	34.933	26.219	.408
130.	13.446	34.928	26.264	.427
140.	13.252	34.921	26.298	.444
150.	13.227	34.920	26.303	.462
160.	13.171	34.917	26.312	.480
170.	13.007	34.909	26.338	.497
180.	12.993	34.908	26.340	.515
190.	12.954	34.904	26.345	.532
200.	12.836	34.898	26.364	.549
250.	12.199	34.850	26.452	.633
300.	11.040	34.761	26.600	.712
350.	10.056	34.716	26.740	.784
400.	9.319	34.675	26.831	.851
450.	8.466	34.636	26.937	.914
500.	7.538	34.597	27.045	.971
550.	7.142	34.583	27.091	1.025
600.	6.638	34.575	27.155	1.077
650.	6.278	34.566	27.195	1.127
700.	6.005	34.562	27.227	1.175
750.	5.788	34.558	27.252	1.222
800.	5.441	34.555	27.292	1.267
850.	5.185	34.550	27.318	1.311
900.	4.921	34.547	27.347	1.354
950.	4.693	34.555	27.379	1.395
1000.	4.541	34.558	27.398	1.435
1016.	4.475	34.559	27.406	

CAST EP4-80-RS-082 DATE 10 SEP 80 TIME 1426 GMT
LAT 02 29.8N LONG 102 30.0W

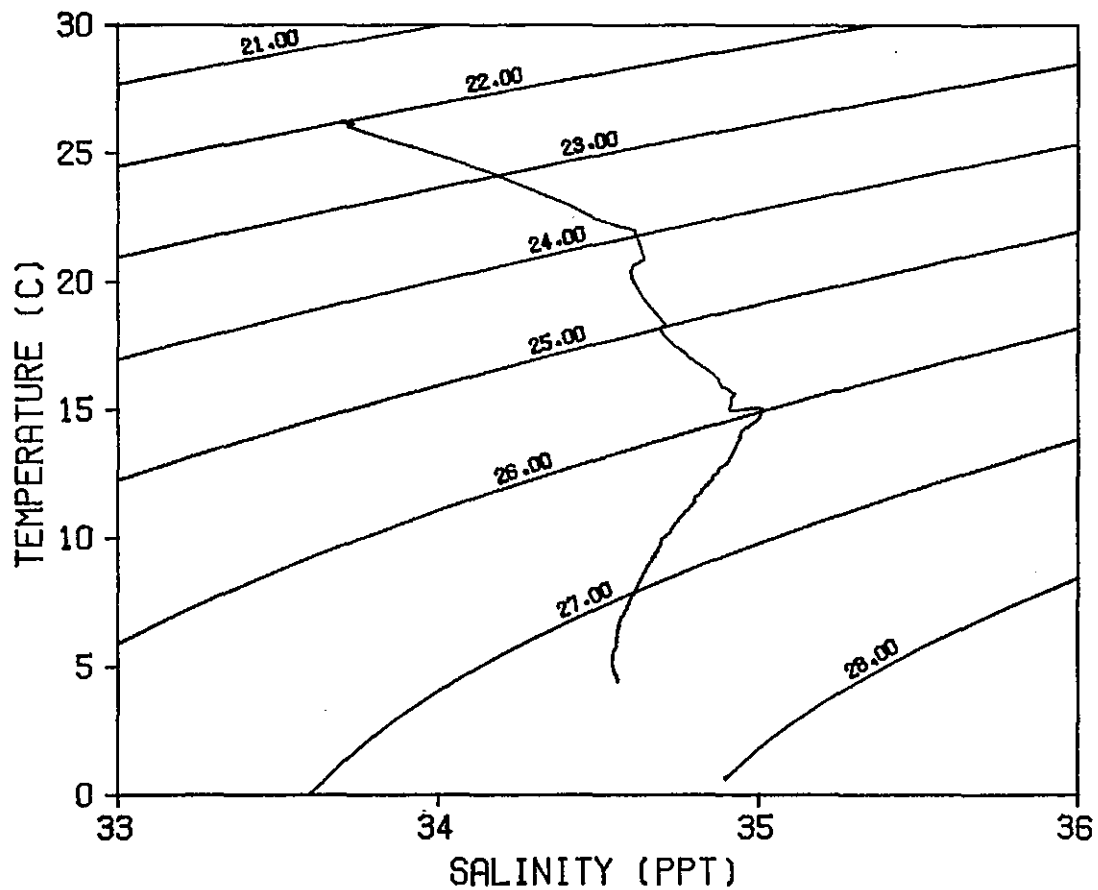


CAST EP4-80-RS-082 DATE 10 SEP 80 TIME 1426 GMT
 LAT 02 29.8N LONG 102 30.0W WEATHER 1 SEA STATE 3
 BARDMETER 13 WIND DIR 160 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 23.7 WET 20.8 DEPTH M

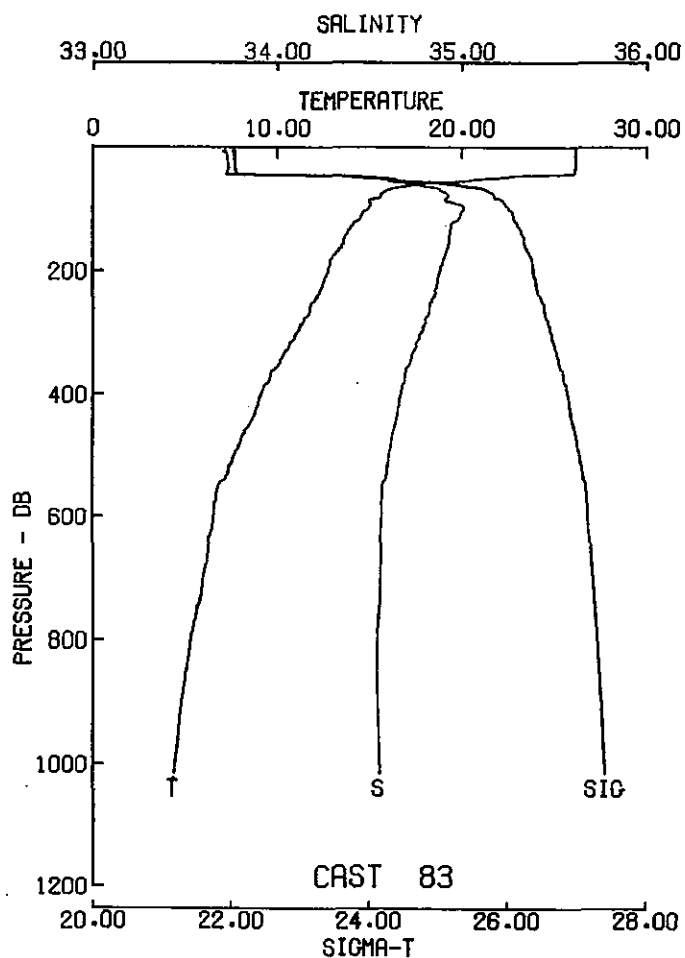


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	25.631	33.667	22.162	0.000
4.	25.632	33.669	22.163	
10.	25.635	33.670	22.163	.057
20.	25.633	33.670	22.164	.114
30.	25.634	33.672	22.165	.170
40.	22.361	34.344	23.637	.223
50.	17.349	34.851	25.334	.259
60.	16.088	35.017	25.758	.283
70.	15.207	35.037	25.971	.305
80.	15.133	35.041	25.991	.325
90.	14.815	35.006	26.034	.346
100.	14.201	34.950	26.123	.365
110.	14.170	34.948	26.128	.384
120.	14.113	34.945	26.138	.404
130.	13.986	34.941	26.161	.423
140.	13.761	34.936	26.205	.441
150.	13.660	34.934	26.225	.460
160.	13.547	34.932	26.246	.478
170.	13.461	34.926	26.259	.496
180.	13.341	34.922	26.281	.515
190.	13.225	34.918	26.301	.532
200.	13.091	34.909	26.322	.550
250.	11.791	34.826	26.512	.633
300.	10.995	34.772	26.618	.711
350.	9.867	34.707	26.765	.782
400.	8.932	34.657	26.880	.847
450.	8.014	34.616	26.990	.907
500.	7.353	34.588	27.065	.963
550.	6.869	34.573	27.122	1.016
600.	6.605	34.570	27.155	1.067
650.	6.366	34.569	27.185	1.117
700.	6.107	34.563	27.214	1.165
750.	5.982	34.561	27.229	1.213
800.	5.473	34.551	27.284	1.259
850.	5.300	34.550	27.304	1.303
900.	4.959	34.545	27.341	1.346
950.	4.717	34.554	27.375	1.388
1000.	4.585	34.557	27.392	1.428
1013.	4.497	34.559	27.404	

CAST EP4-80-RS-083 DATE 11 SEP 80 TIME 0330 GMT
LAT 02 59.6N LONG 102 29.5W



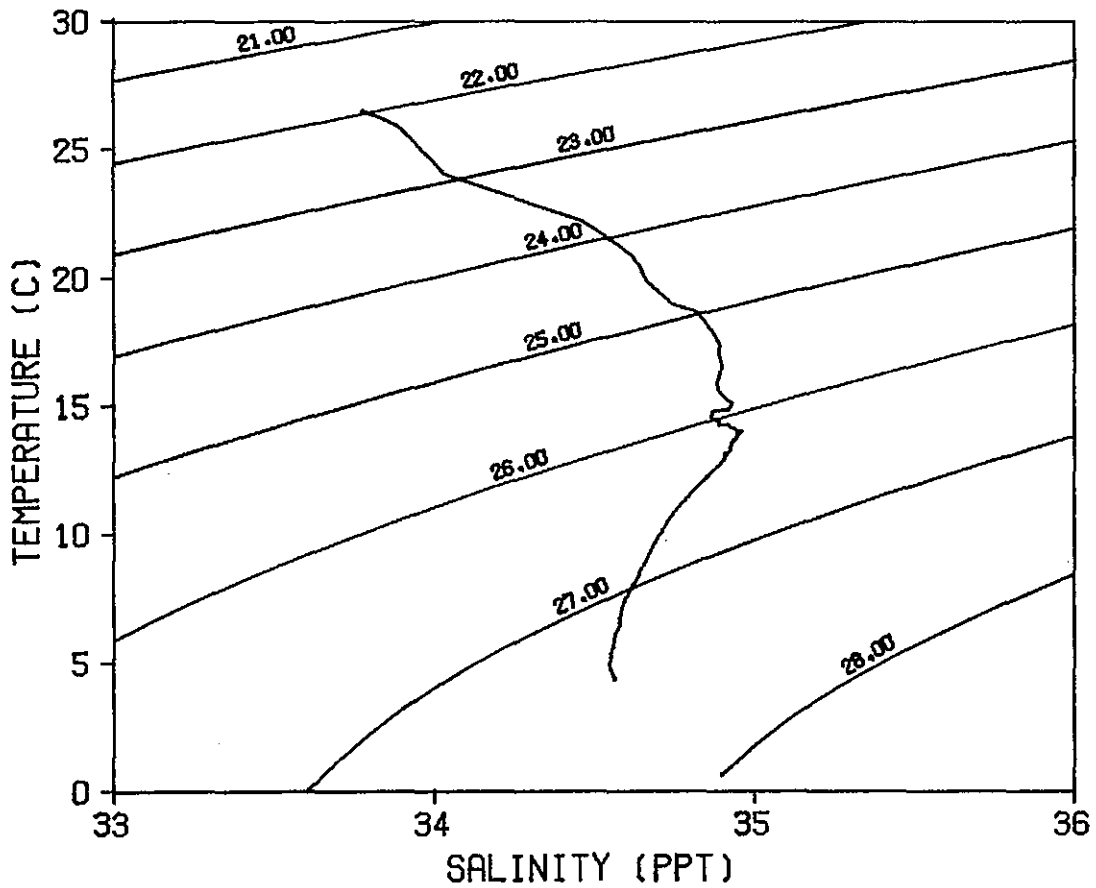
307

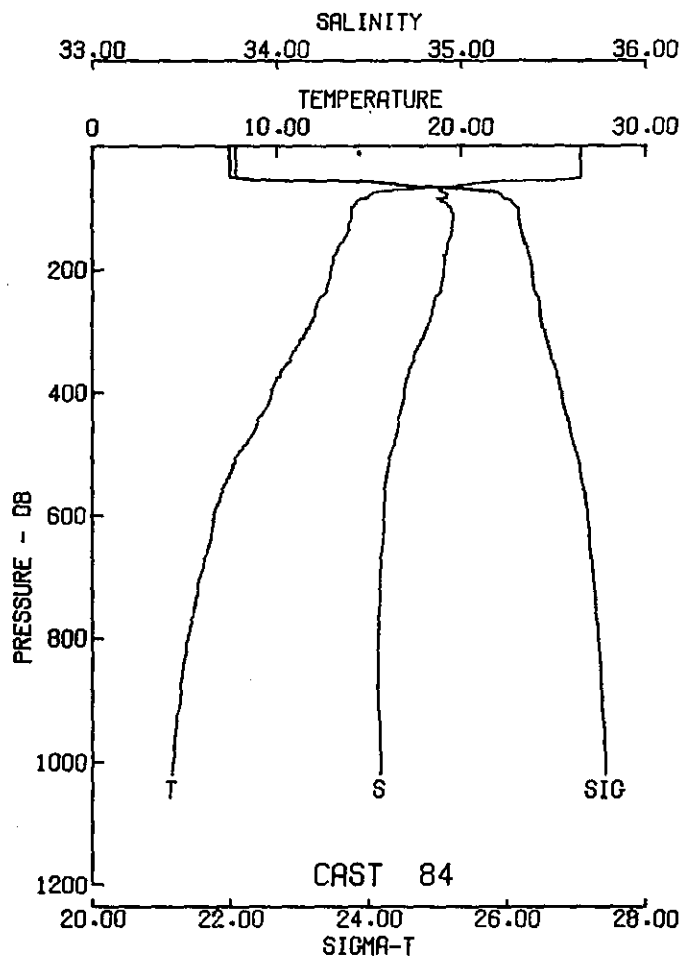


CAST EP4-80-RS-083 DATE 11 SEP 80 TIME 0330 GMT
 LAT 02 59.6N LONG 102 29.5W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 170 T SPD 09 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 23.5 WET 21.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	26.084	33.758	22.091	0.000
5.	26.145	33.717	22.041	
10.	26.144	33.726	22.048	.058
20.	26.149	33.731	22.050	.116
30.	26.147	33.733	22.052	.174
40.	26.096	33.727	22.063	.231
50.	22.008	34.618	23.943	.281
60.	17.471	34.740	25.219	.315
70.	15.907	34.889	25.700	.340
80.	15.567	34.927	25.806	.363
90.	15.034	34.961	25.951	.384
100.	14.906	35.011	26.018	.405
110.	14.569	34.994	26.078	.425
120.	14.309	34.963	26.110	.444
130.	13.990	34.942	26.161	.464
140.	13.788	34.938	26.201	.482
150.	13.620	34.933	26.231	.501
160.	13.505	34.928	26.252	.519
170.	13.220	34.917	26.301	.537
180.	12.961	34.905	26.345	.555
190.	12.868	34.898	26.358	.572
200.	12.766	34.884	26.367	.589
250.	11.987	34.836	26.482	.673
300.	11.057	34.781	26.613	.751
350.	10.134	34.720	26.729	.823
400.	9.127	34.670	26.858	.890
450.	8.492	34.640	26.936	.952
500.	7.679	34.607	27.033	1.010
550.	6.821	34.573	27.128	1.064
600.	6.567	34.570	27.160	1.115
650.	6.252	34.563	27.196	1.164
700.	5.972	34.561	27.231	1.212
750.	5.650	34.554	27.265	1.259
800.	5.326	34.547	27.299	1.304
850.	5.080	34.546	27.328	1.347
900.	4.801	34.550	27.363	1.389
950.	4.635	34.556	27.386	1.430
1000.	4.468	34.562	27.409	1.469
1014.	4.422	34.563	27.415	

CAST EP4-80-RS-084 DATE 11 SEP 80 TIME 0841 GMT
LAT 03 31.2N LONG 102 30.0W

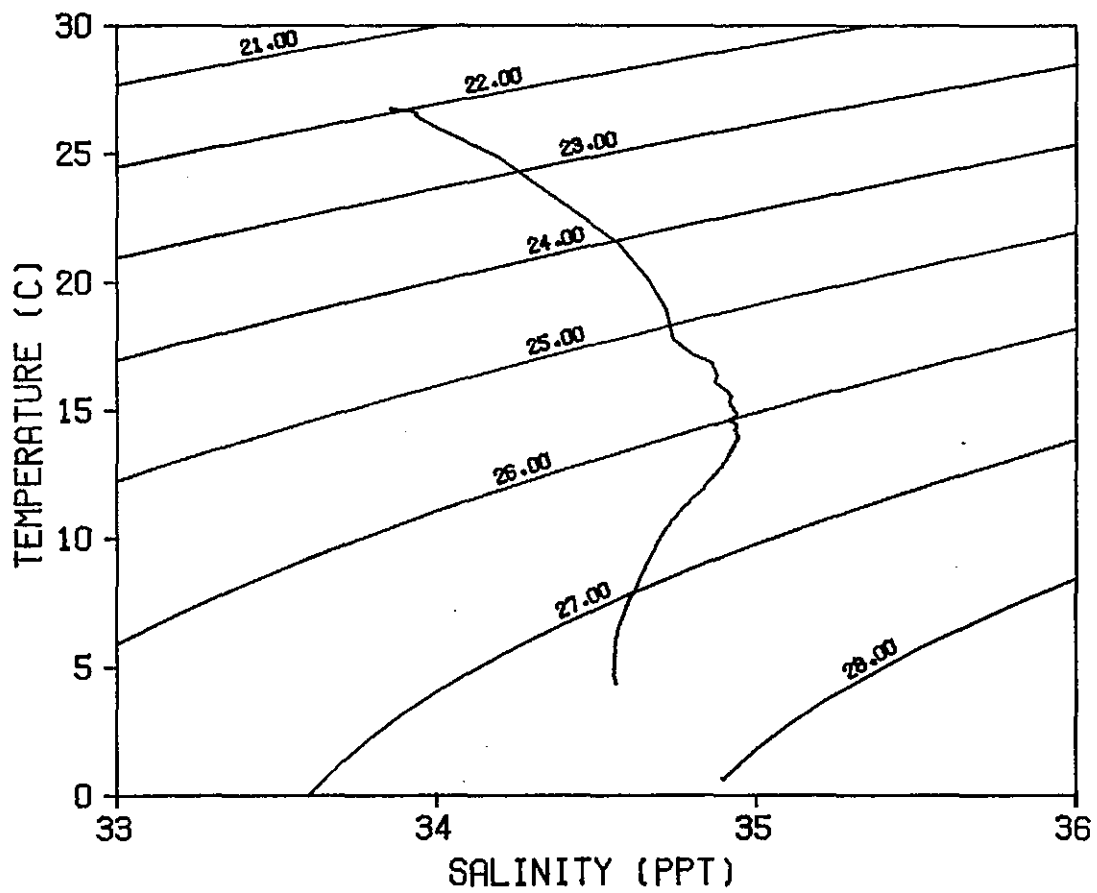


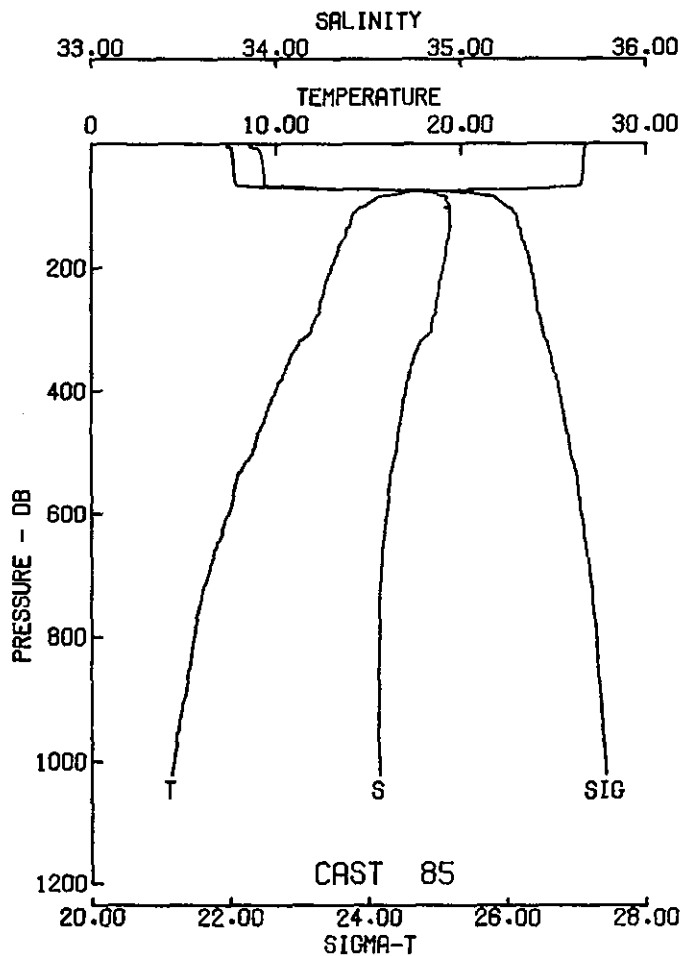


CAST EP4-80-RS-084 DATE 11 SEP 80 TIME 0841 GMT
 LAT 03 31.2N LONG 102 30.0W WEATHER 5 SEA STATE 3
 BAROMETER 12 WIND DIR 160 T SPD 13 KT VISIBILITY 6
 CLOUD X AMOUNT 9 DRY 22.0 WET 21.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	26.524	33.780	21.970	0.000
4.	26.510	33.777	21.972	
10.	26.479	33.773	21.979	.059
20.	26.483	33.774	21.978	.117
30.	26.484	33.774	21.978	.176
40.	26.486	33.774	21.977	.234
50.	26.484	33.776	21.979	.293
60.	20.851	34.618	24.262	.344
70.	17.341	34.892	25.367	.376
80.	15.037	34.930	25.927	.399
90.	14.282	34.889	26.059	.419
100.	14.036	34.944	26.154	.439
110.	14.029	34.956	26.164	.458
120.	14.011	34.959	26.170	.477
130.	13.903	34.953	26.188	.495
140.	13.831	34.943	26.196	.514
150.	13.644	34.934	26.228	.533
160.	13.420	34.926	26.268	.551
170.	13.286	34.925	26.294	.569
180.	13.094	34.913	26.324	.587
190.	13.005	34.908	26.338	.604
200.	12.932	34.905	26.351	.621
250.	12.862	34.853	26.444	.707
300.	11.595	34.805	26.532	.789
350.	10.721	34.744	26.645	.865
400.	9.686	34.690	26.782	.936
450.	8.921	34.659	26.883	1.002
500.	7.944	34.619	27.003	1.063
550.	7.216	34.589	27.086	1.118
600.	6.605	34.581	27.163	1.170
650.	6.350	34.575	27.193	1.219
700.	5.880	34.561	27.242	1.267
750.	5.560	34.558	27.279	1.313
800.	5.211	34.551	27.316	1.357
850.	4.920	34.548	27.347	1.399
900.	4.767	34.551	27.367	1.440
950.	4.512	34.560	27.403	1.480
1000.	4.388	34.564	27.420	1.519
1020.	4.338	34.564	27.425	

CAST EP4-80-RS-085 DATE 11 SEP 80 TIME 2107 GMT
LAT 04 00.3N LONG 102 29.5W

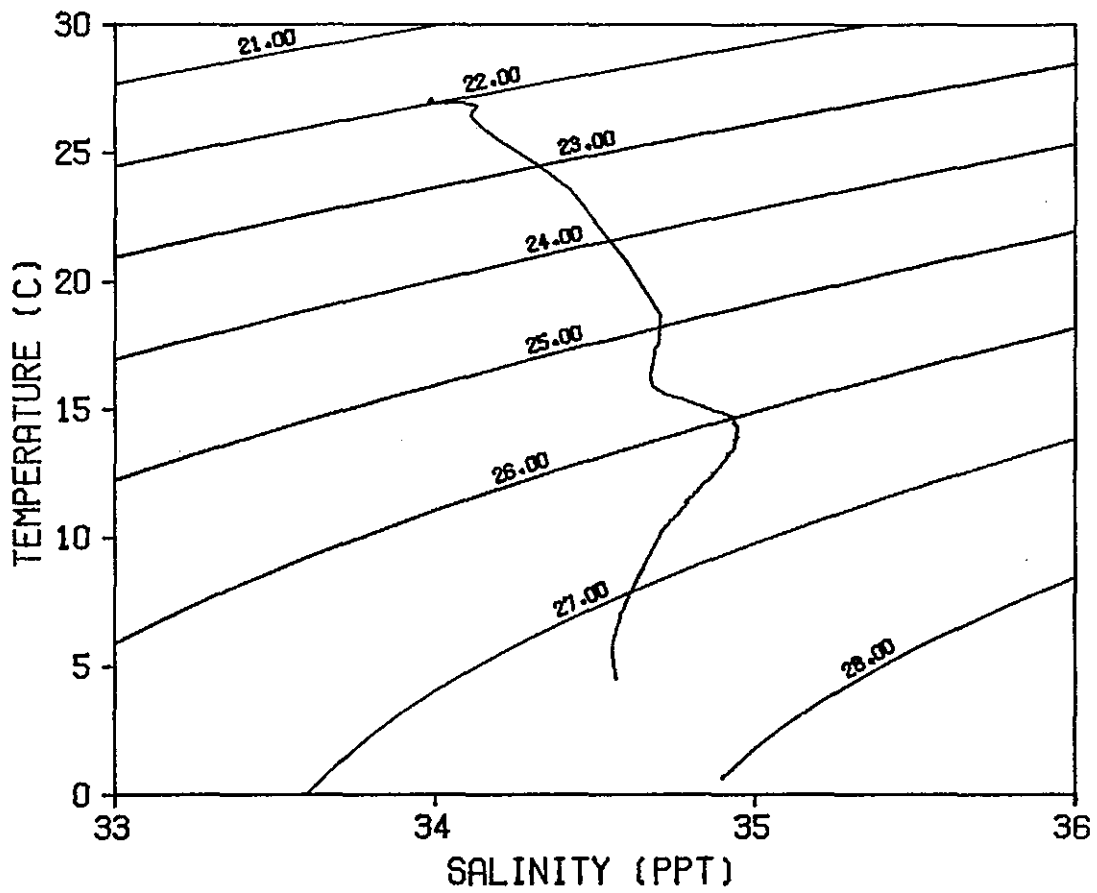


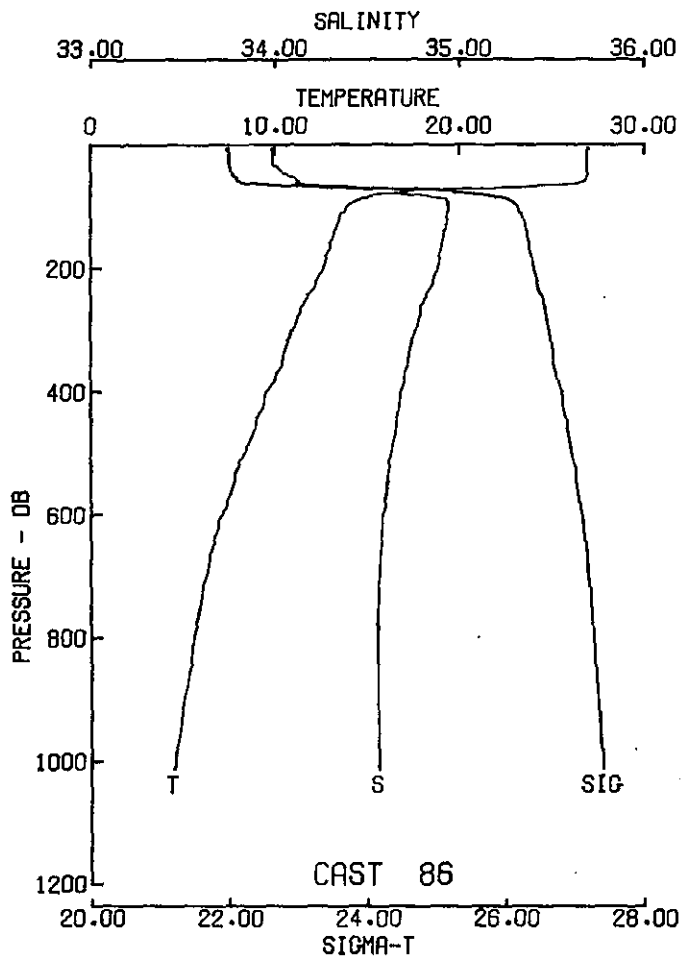


CAST EP4-80-RS-085 DATE 11 SEP 80 TIME 2107 GMT
 LAT 04 00.3N LONG 102 29.5W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 170 T SPD 14 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 24.5 WET 22.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	26.884	33.761	21.841	0.000
5.	26.725	33.860	21.966	
10.	26.666	33.906	22.020	.059
20.	26.652	33.919	22.034	.117
30.	26.630	33.927	22.047	.175
40.	26.617	33.930	22.054	.233
50.	26.601	33.934	22.061	.291
60.	26.568	33.937	22.074	.349
70.	25.267	34.126	22.620	.406
80.	16.716	34.867	25.496	.463
90.	15.307	34.918	25.858	.466
100.	14.841	34.940	25.978	.487
110.	14.320	34.939	26.089	.507
120.	14.091	34.939	26.138	.527
130.	14.019	34.941	26.155	.546
140.	13.814	34.939	26.196	.565
150.	13.776	34.937	26.203	.583
160.	13.521	34.927	26.248	.602
170.	13.389	34.922	26.271	.620
180.	13.274	34.917	26.291	.638
190.	13.120	34.910	26.316	.656
200.	12.982	34.904	26.339	.673
250.	12.488	34.875	26.415	.759
300.	11.908	34.841	26.501	.842
350.	10.749	34.746	26.641	.919
400.	9.975	34.700	26.741	.991
450.	9.360	34.674	26.823	1.059
500.	8.735	34.648	26.904	1.124
550.	7.860	34.615	27.013	1.183
600.	7.461	34.599	27.058	1.240
650.	6.836	34.579	27.131	1.294
700.	6.334	34.567	27.188	1.344
750.	5.887	34.560	27.240	1.392
800.	5.571	34.559	27.279	1.438
850.	5.345	34.556	27.304	1.483
900.	5.027	34.555	27.341	1.526
950.	4.732	34.555	27.375	1.567
1000.	4.473	34.557	27.405	1.607
1022.	4.348	34.560	27.421	

CAST EP4-80-RS-086 DATE 12 SEP 80 TIME 0224 GMT
LAT 04 32.6N LONG 102 30.0W

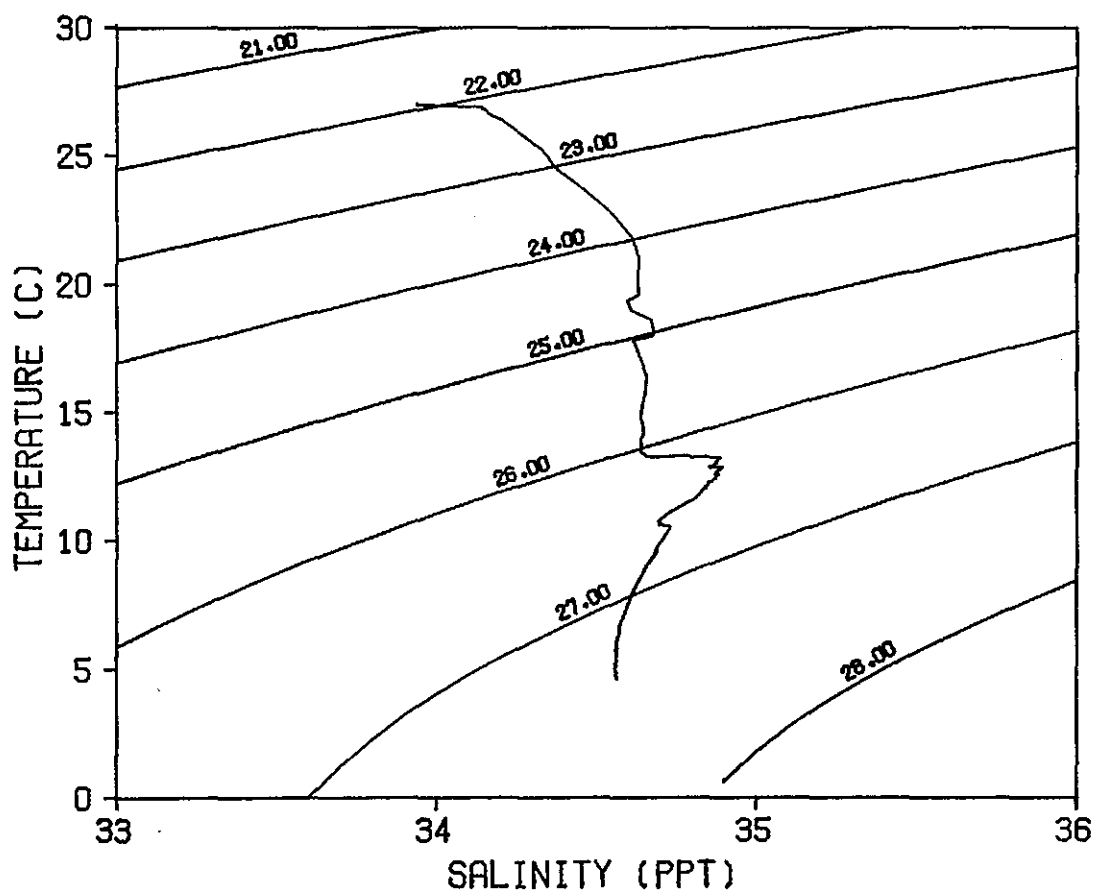


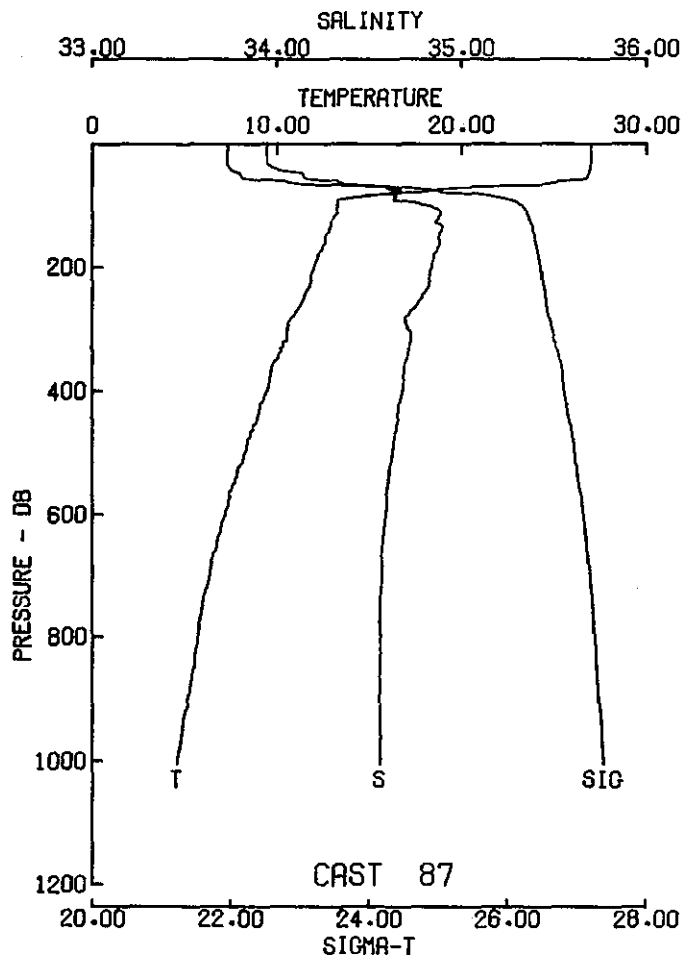


CAST EP4-80-RS-086 DATE 12 SEP 80 TIME 0224 GMT
 LAT 04 32.6N LONG 102 30.0W WEATHER 1 SEA STATE 3
 BARDMETER 11 WIND DIR 160 T SPD 15 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 23.8 WET 22.8 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	26.338	33.947	22.154	0.000
6.	26.953	33.981	21.985	
10.	26.945	33.987	21.992	.058
20.	26.915	33.987	22.001	.116
30.	26.919	33.986	22.000	.175
40.	26.937	34.025	22.023	.233
50.	26.939	34.067	22.054	.291
60.	26.815	34.130	22.141	.349
70.	23.008	34.458	23.539	.401
80.	15.920	34.680	25.537	.432
90.	14.495	34.934	26.048	.454
100.	13.942	34.945	26.174	.473
110.	13.822	34.941	26.196	.492
120.	13.529	34.934	26.251	.510
130.	13.355	34.928	26.283	.528
140.	13.232	34.914	26.297	.546
150.	13.148	34.914	26.314	.564
160.	12.996	34.906	26.338	.581
170.	12.968	34.903	26.341	.598
180.	12.780	34.891	26.370	.616
190.	12.708	34.889	26.382	.633
200.	12.599	34.882	26.399	.650
250.	11.668	34.812	26.524	.732
300.	10.964	34.766	26.618	.809
350.	10.402	34.722	26.684	.882
400.	9.504	34.681	26.805	.952
450.	8.938	34.655	26.878	1.017
500.	8.353	34.632	26.951	1.079
550.	7.800	34.610	27.018	1.138
600.	7.143	34.589	27.095	1.193
650.	6.621	34.575	27.156	1.245
700.	6.300	34.568	27.193	1.295
750.	5.931	34.559	27.234	1.343
800.	5.580	34.555	27.275	1.389
850.	5.387	34.556	27.299	1.434
900.	5.061	34.560	27.341	1.478
950.	4.864	34.564	27.367	1.519
1000.	4.562	34.565	27.402	1.560
1013.	4.504	34.567	27.409	

CAST EP4-80-RS-087 DATE 12 SEP 80 TIME 1333 GMT
LAT 05 01.4N LONG 102 30.2W

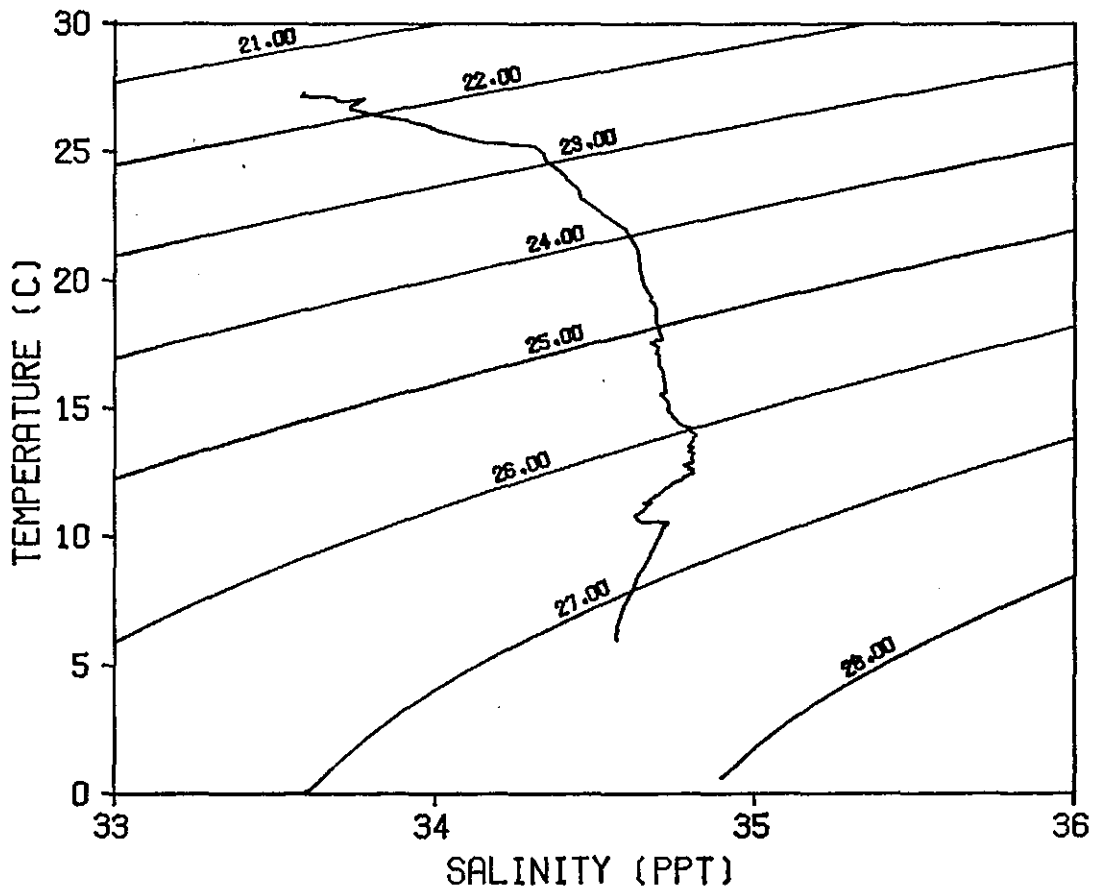


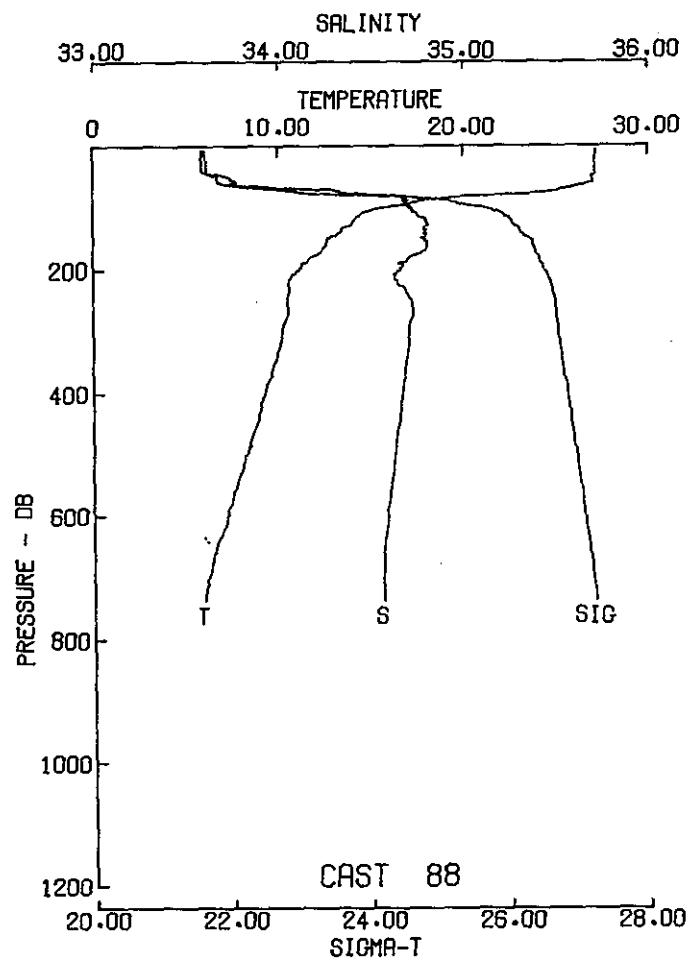


CAST EP4-80-RS-087 DATE 12 SEP 80 TIME 1333 GMT
 LAT 05 01.4N LONG 102 30.2W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 180 T SPD 14 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 25.5 WET 22.8 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	26.993	33.940	21.942	0.000
5.	26.984	33.940	21.945	
10.	26.980	33.940	21.946	.059
20.	26.989	33.940	21.943	.118
30.	26.991	33.944	21.945	.177
40.	26.970	33.987	21.984	.236
50.	26.870	34.143	22.133	.294
60.	25.715	34.278	22.507	.350
70.	21.040	34.631	24.220	.398
80.	17.094	34.636	25.230	.429
90.	13.712	34.638	25.985	.452
100.	13.233	34.803	26.211	.472
110.	13.233	34.881	26.271	.490
120.	13.068	34.877	26.301	.507
130.	12.884	34.874	26.336	.525
140.	12.812	34.891	26.364	.542
150.	12.618	34.877	26.391	.559
160.	12.583	34.881	26.401	.576
170.	12.440	34.872	26.422	.593
180.	12.234	34.852	26.447	.609
190.	12.137	34.846	26.461	.625
200.	12.027	34.841	26.479	.641
250.	11.445	34.783	26.543	.721
300.	10.589	34.708	26.640	.797
350.	9.977	34.702	26.742	.869
400.	9.494	34.682	26.808	.936
450.	8.864	34.652	26.887	1.001
500.	8.260	34.626	26.961	1.062
550.	7.693	34.604	27.029	1.120
600.	7.207	34.591	27.088	1.175
650.	6.762	34.575	27.138	1.228
700.	6.363	34.569	27.186	1.278
750.	5.978	34.563	27.231	1.326
800.	5.721	34.561	27.262	1.373
850.	5.522	34.562	27.287	1.419
900.	5.200	34.559	27.324	1.463
950.	4.893	34.563	27.363	1.505
1000.	4.641	34.565	27.393	1.546
1004.	4.633	34.564	27.393	

CAST EP4-80-RS-088 DATE 12 SEP 80 TIME 1829 GMT
LAT 05 31.3N LONG 102 29.7W

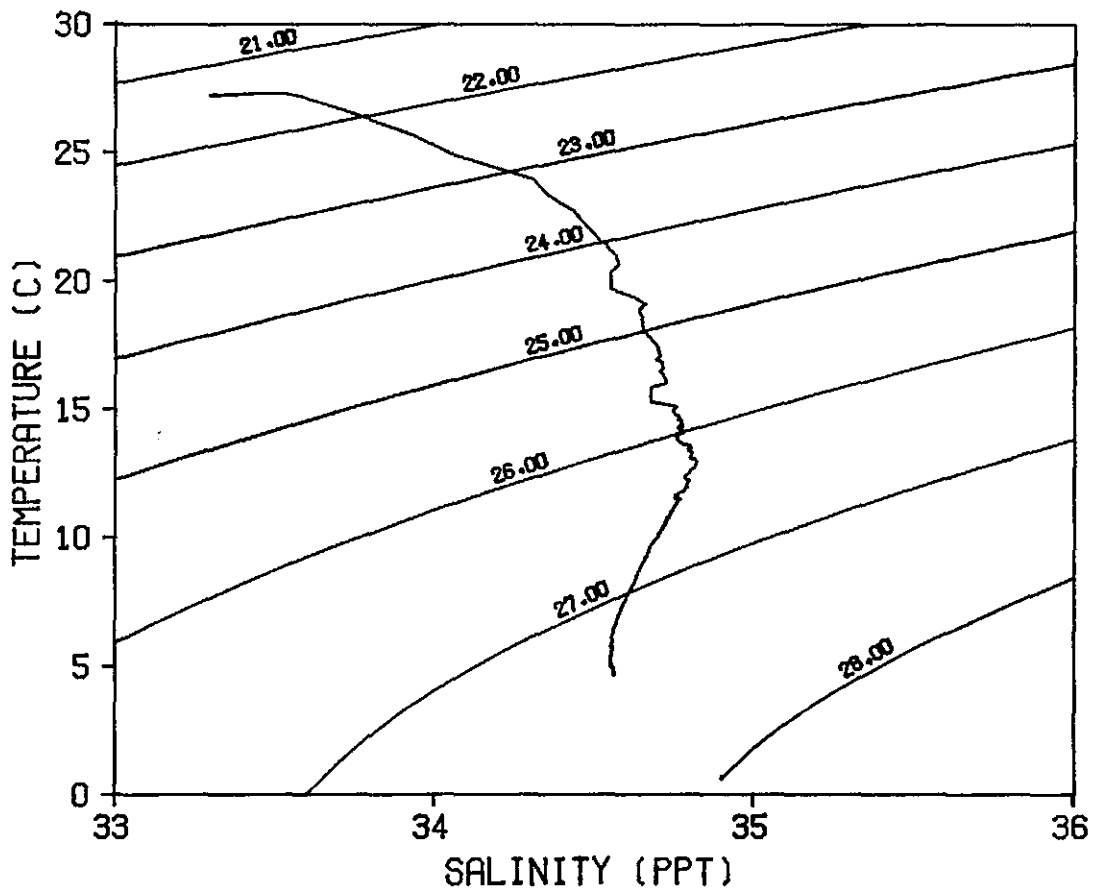


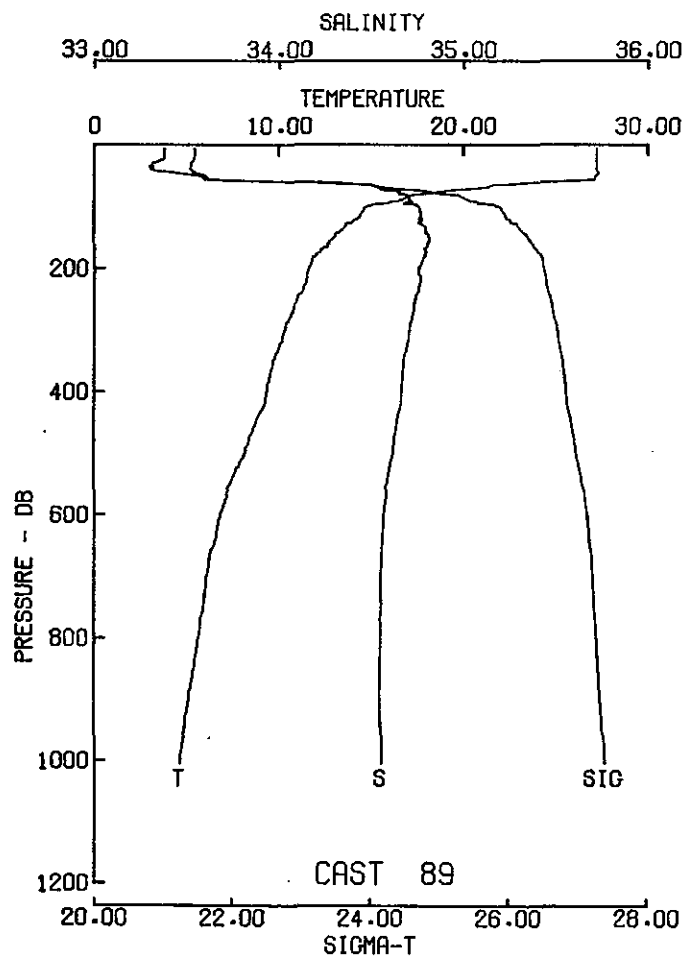


CAST EP4-80-RS-088 DATE 12 SEP 80 TIME 1829 GMT
 LAT 05 31.3N LONG 102 29.7W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 190 T SPD 14 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 25.0 WET 23.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
7.	27.218	33.590	21.607	
10.	27.219	33.591	21.607	.062
20.	27.158	33.590	21.626	.124
30.	27.139	33.586	21.629	.186
40.	27.131	33.588	21.633	.248
50.	26.954	33.711	21.782	.310
60.	27.011	33.776	21.812	.370
70.	25.348	34.150	22.613	.428
80.	22.012	34.592	23.923	.477
90.	17.551	34.674	25.150	.509
100.	15.637	34.720	25.632	.536
110.	14.562	34.752	25.893	.559
120.	14.141	34.796	26.017	.579
130.	13.761	34.804	26.103	.599
140.	13.352	34.800	26.184	.619
150.	12.720	34.790	26.303	.637
160.	12.588	34.803	26.340	.654
170.	12.367	34.790	26.373	.671
180.	11.778	34.715	26.428	.688
190.	11.347	34.665	26.470	.705
200.	11.164	34.661	26.500	.721
250.	10.520	34.723	26.664	.796
300.	10.218	34.709	26.706	.867
350.	9.803	34.693	26.765	.937
400.	9.275	34.673	26.837	1.004
450.	8.838	34.653	26.892	1.067
500.	8.221	34.628	26.968	1.128
550.	7.734	34.610	27.027	1.187
600.	7.238	34.589	27.083	1.242
650.	6.656	34.573	27.150	1.295
700.	6.225	34.567	27.203	1.345
737.	5.987	34.567	27.233	

CAST EP4-80-RS-089 DATE 13 SEP 80 TIME 0308 GMT
LAT 06 00.4N LONG 102 29.2W

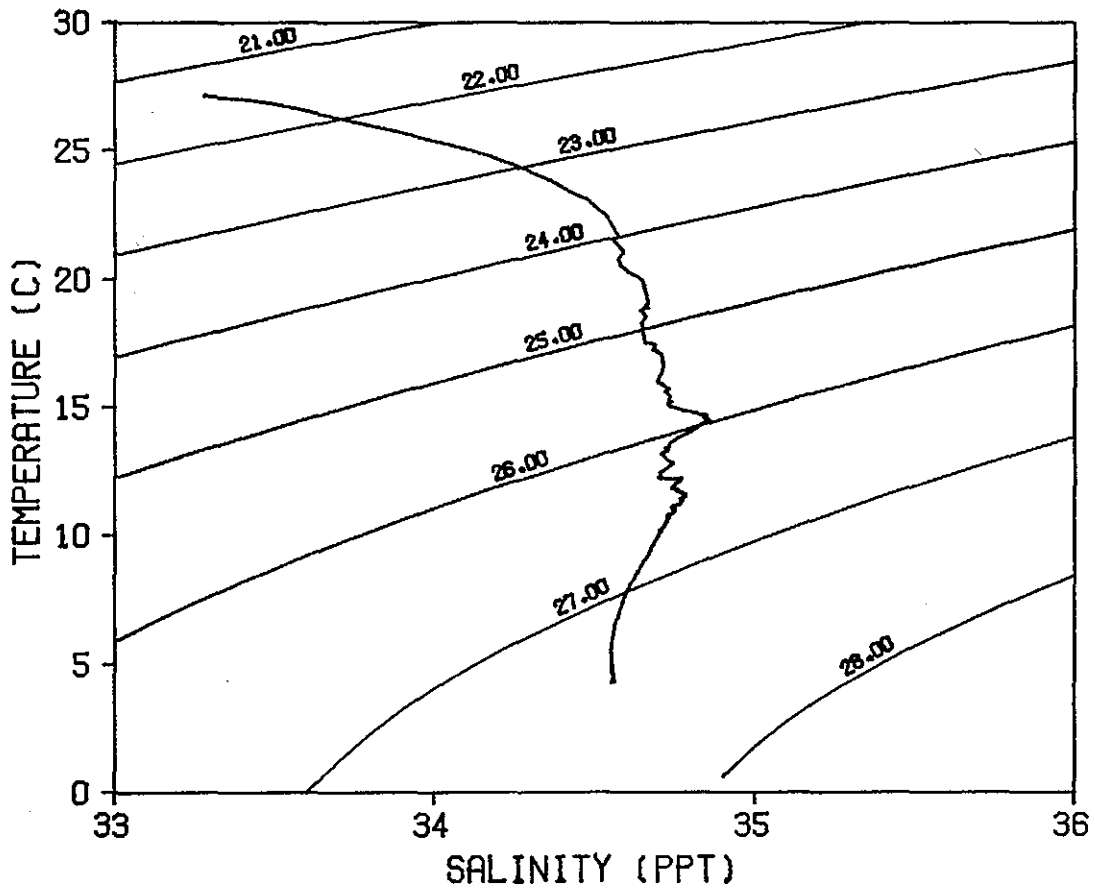


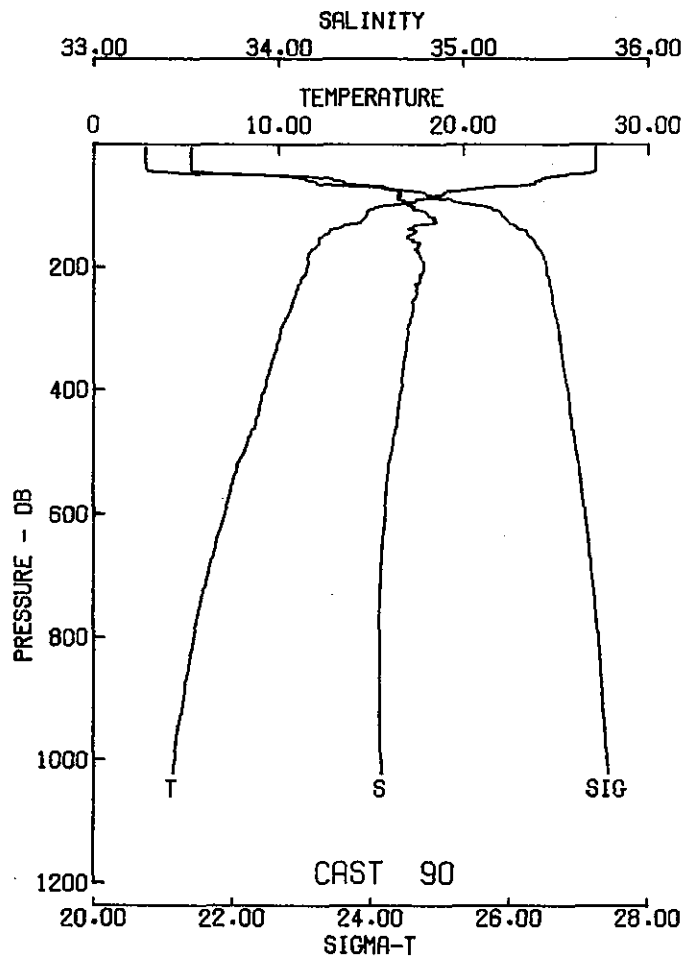


CAST EP4-80-RS-089 DATE 13 SEP 80 TIME 0308 GMT
 LAT 06 00.4N LONG 102 29.2W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 200 T SPD 16 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 25.2 WET 23.0 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	27.226	33.380	21.447	0.000
6.	27.225	33.378	21.445	
10.	27.227	33.378	21.445	.064
20.	27.229	33.380	21.445	.127
30.	27.234	33.318	21.398	.191
40.	27.226	33.306	21.391	.255
50.	27.230	33.564	21.584	.319
60.	24.957	34.047	22.654	.380
70.	21.020	34.567	24.177	.422
80.	17.756	34.674	25.100	.455
90.	16.575	34.713	25.411	.482
100.	14.768	34.753	25.849	.506
110.	14.512	34.770	25.918	.527
120.	14.281	34.760	25.959	.548
130.	13.606	34.783	26.119	.568
140.	13.341	34.797	26.184	.588
150.	12.997	34.817	26.269	.606
160.	12.669	34.811	26.330	.624
170.	12.280	34.784	26.386	.641
180.	11.962	34.791	26.452	.657
190.	11.745	34.774	26.480	.674
200.	11.603	34.758	26.494	.690
250.	10.987	34.740	26.594	.767
300.	10.328	34.712	26.689	.841
350.	9.676	34.678	26.774	.910
400.	9.352	34.668	26.820	.977
450.	8.756	34.643	26.897	1.042
500.	8.179	34.622	26.970	1.102
550.	7.404	34.590	27.059	1.159
600.	6.813	34.568	27.125	1.213
650.	6.479	34.563	27.166	1.264
700.	6.091	34.555	27.210	1.313
750.	5.924	34.557	27.233	1.360
800.	5.644	34.555	27.267	1.407
850.	5.417	34.554	27.293	1.452
900.	5.134	34.551	27.325	1.496
950.	4.905	34.558	27.358	1.538
1000.	4.648	34.560	27.388	1.579
1004.	4.641	34.559	27.388	

CAST EP4-80-RS-090 DATE 13 SEP 80 TIME 0820 GMT
LAT 06 30.7N LONG 102 29.5W

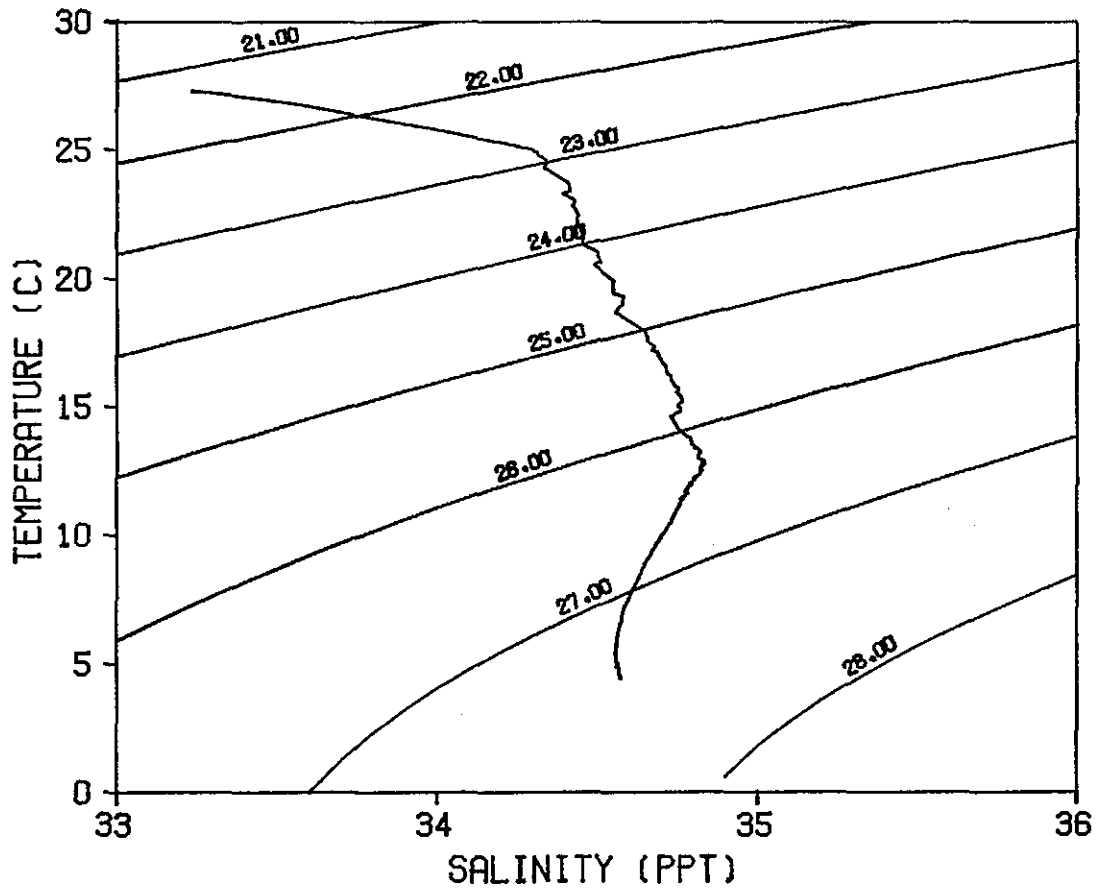




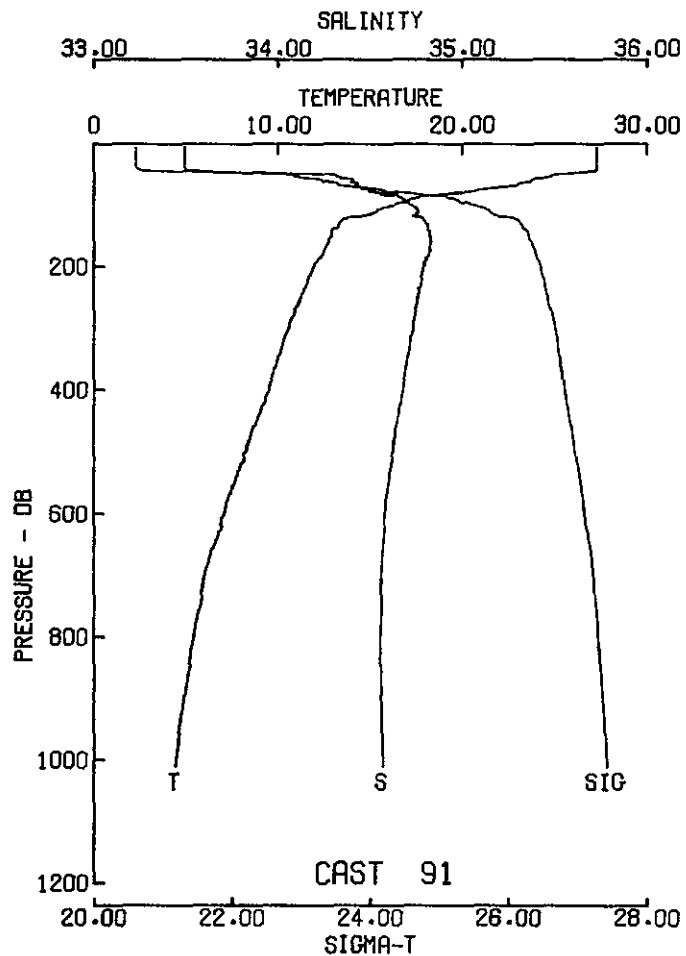
CAST EP4-80-RS-090 DATE 13 SEP 80 TIME 0820 GMT
 LAT 06 30.7N LONG 102 29.5W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 200 T SPD 14 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 26.2 WET 23.5 DEPTH M

PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	27.113	33.286	21.412	0.000
6.	27.131	33.280	21.402	
10.	27.133	33.279	21.400	.064
20.	27.135	33.278	21.399	.128
30.	27.138	33.280	21.399	.192
40.	27.140	33.283	21.401	.256
50.	25.479	33.965	22.434	.319
60.	23.944	34.341	23.179	.369
70.	21.499	34.558	24.040	.413
80.	18.960	34.661	24.790	.448
90.	17.507	34.655	25.145	.479
100.	15.683	34.732	25.631	.506
110.	14.839	34.789	25.861	.529
120.	14.652	34.848	25.948	.550
130.	14.039	34.800	26.042	.571
140.	12.817	34.744	26.249	.590
150.	12.417	34.702	26.295	.608
160.	12.233	34.767	26.381	.626
170.	11.968	34.748	26.418	.642
180.	11.654	34.766	26.491	.659
190.	11.583	34.778	26.513	.674
200.	11.526	34.784	26.529	.690
250.	10.868	34.744	26.618	.766
300.	10.160	34.701	26.710	.839
350.	9.763	34.687	26.767	.908
400.	9.244	34.667	26.837	.975
450.	8.791	34.643	26.892	1.039
500.	8.195	34.617	26.963	1.100
550.	7.535	34.591	27.041	1.157
600.	7.103	34.579	27.094	1.212
650.	6.609	34.565	27.150	1.264
700.	6.207	34.558	27.198	1.314
750.	5.776	34.552	27.248	1.362
800.	5.431	34.550	27.289	1.407
850.	5.152	34.550	27.322	1.451
900.	4.910	34.553	27.353	1.493
950.	4.600	34.553	27.389	1.534
1000.	4.407	34.558	27.413	1.573
1022.	4.311	34.562	27.426	

CAST EP4-80-RS-091 DATE 13 SEP 80 TIME 1526 GMT
LAT 07 00.0N LONG 102 30.2W



CAST EP4-80-RS-091 DATE 13 SEP 80 TIME 1526 GMT
 LAT 07 00.0N LONG 102 30.2W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 210 T SPD 12 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 26.9 WET 24.0 DEPTH M



PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0.	27.291	33.231	21.314	0.000
6.	27.291	33.230	21.313	
10.	27.291	33.230	21.313	.065
20.	27.289	33.229	21.313	.130
30.	27.291	33.230	21.313	.195
40.	27.288	33.237	21.319	.260
50.	25.027	34.242	22.817	.320
60.	23.708	34.405	23.796	.369
70.	22.135	34.435	23.769	.413
80.	19.432	34.549	24.584	.451
90.	17.212	34.669	25.227	.481
100.	16.168	34.728	25.517	.508
110.	15.347	34.759	25.727	.532
120.	13.859	34.776	26.061	.554
130.	13.352	34.811	26.193	.573
140.	13.001	34.811	26.264	.592
150.	12.884	34.825	26.298	.609
160.	12.728	34.829	26.332	.627
170.	12.549	34.821	26.366	.644
180.	12.404	34.818	26.399	.661
190.	12.151	34.800	26.428	.678
200.	11.937	34.793	26.458	.695
250.	11.238	34.758	26.562	.774
300.	10.574	34.731	26.661	.849
350.	9.978	34.702	26.742	.919
400.	9.503	34.677	26.803	.987
450.	8.886	34.647	26.879	1.053
500.	8.283	34.626	26.957	1.114
550.	7.662	34.600	27.030	1.172
600.	7.100	34.581	27.096	1.227
650.	6.574	34.571	27.160	1.279
700.	6.036	34.562	27.223	1.328
750.	5.766	34.559	27.285	1.374
800.	5.445	34.556	27.349	1.419
850.	5.193	34.556	27.422	1.463
900.	4.880	34.557	27.359	1.505
950.	4.658	34.566	27.392	1.546
1000.	4.466	34.571	27.417	1.585
1010.	4.437	34.570	27.419	

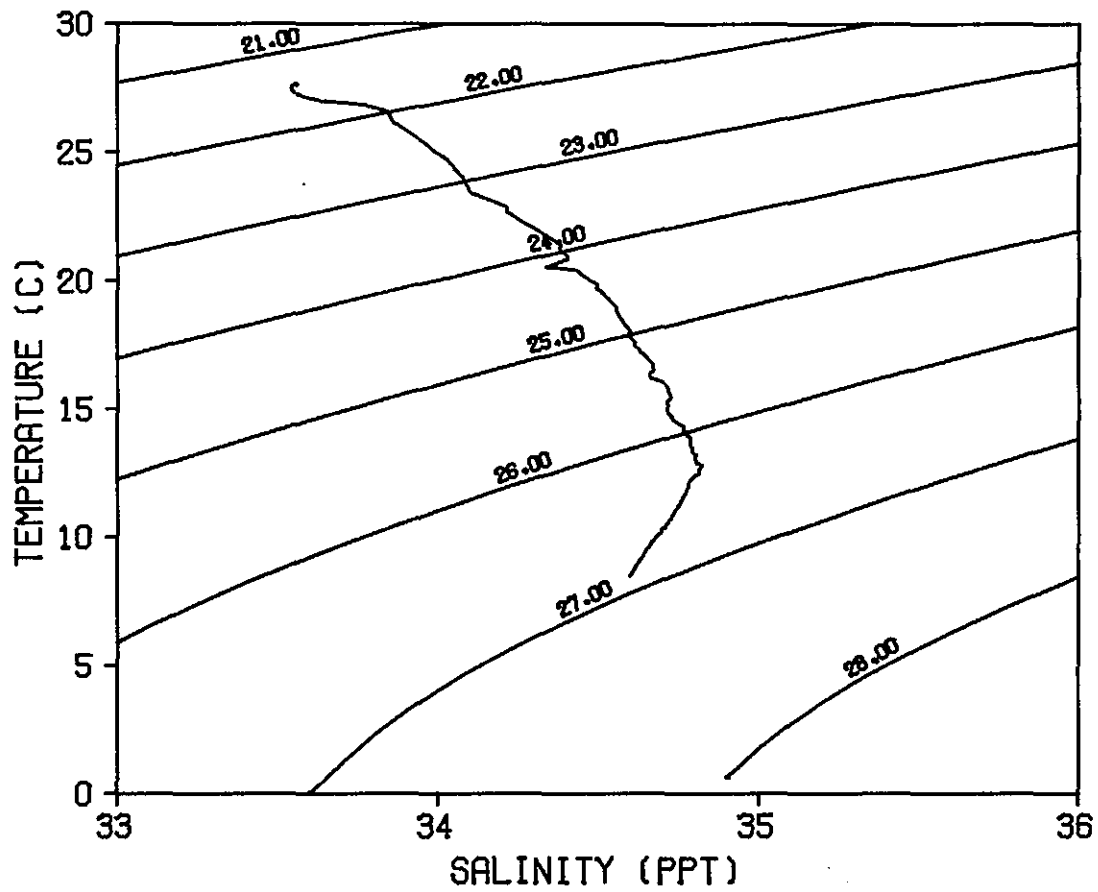


EP2-81-0C

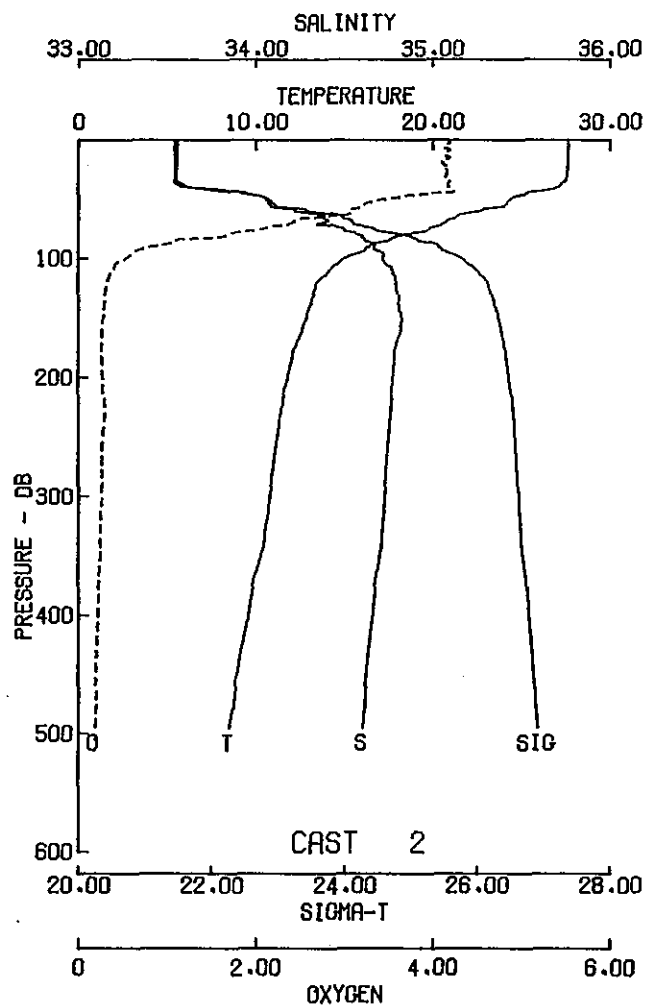
23 February - 24 March 1981

NBIS CTD/O₂ Data Summary

CAST EP2-81-0C-002 DATE 25 FEB 81 TIME 1646 GMT
LAT 12 55.0N LONG 105 55.7W

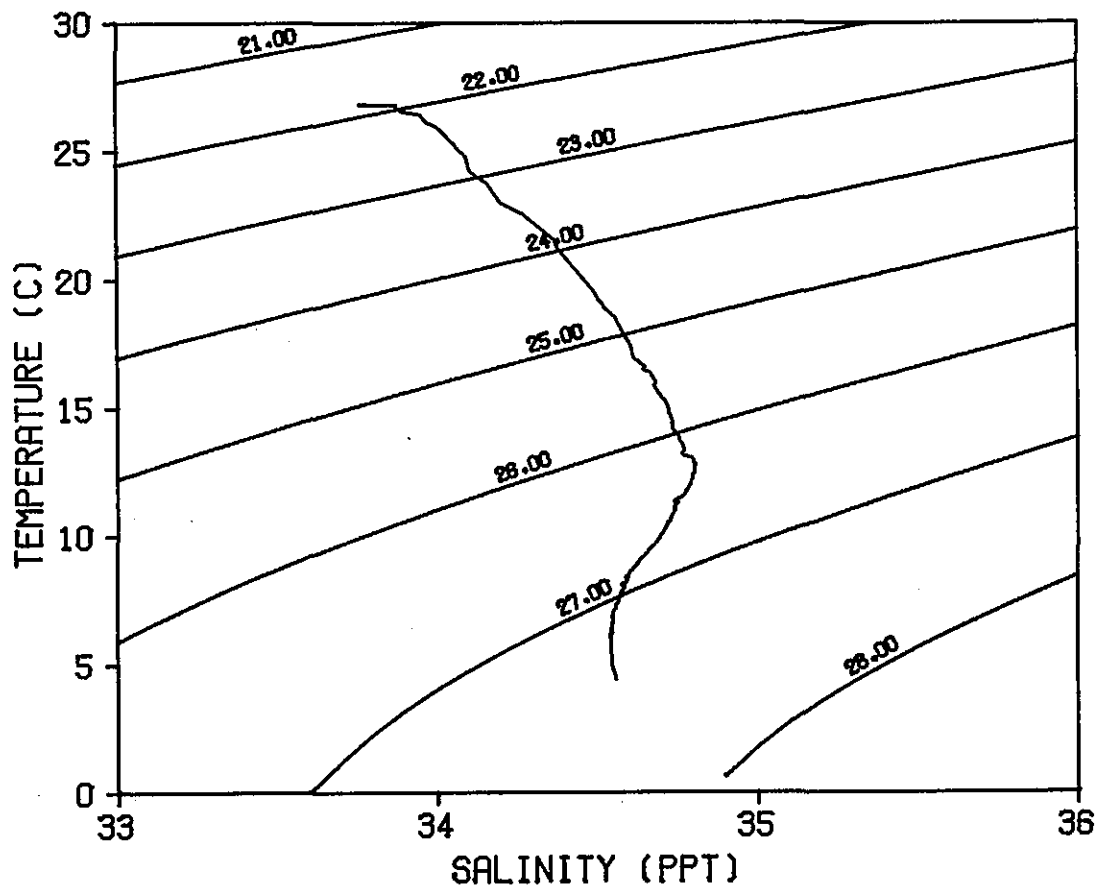


CAST EP2-81-OC-002 DATE 25 FEB 81 TIME 1646 GMT
 LAT 12 55.0N LONG 105 55.7W WEATHER 1 SEA STATE 3
 BARDMETER 12 WIND DIR 090 T SPD 17 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 28.4 WET 24.7 DEPTH M

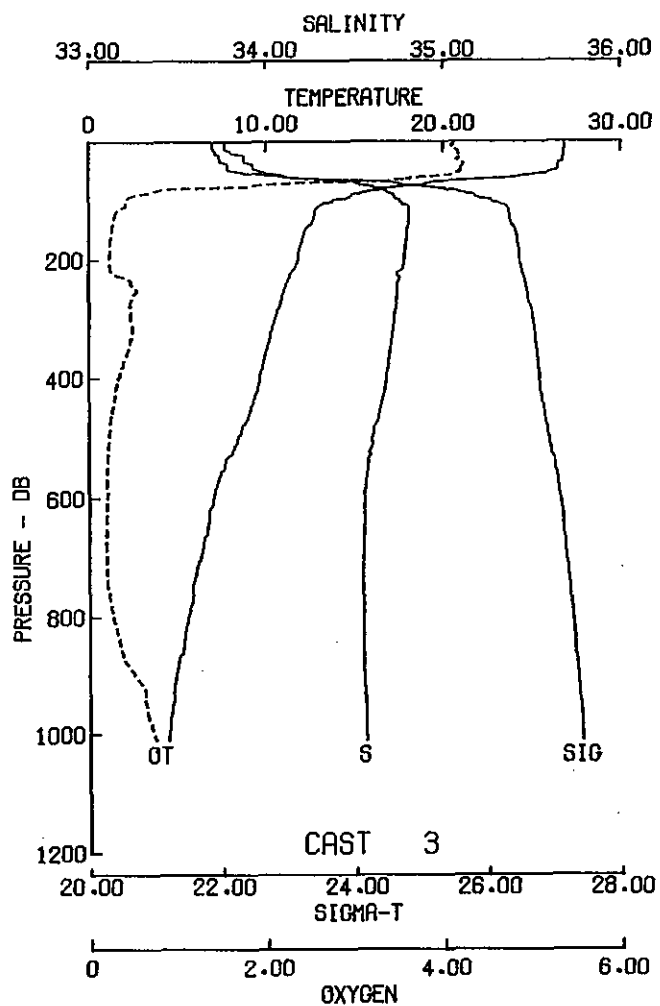


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.651	33.559	4.17	21.444	0.000
10.	27.640	33.554	4.16	21.444	.064
20.	27.630	33.555	4.12	21.448	.127
30.	27.584	33.549	4.16	21.459	.191
40.	26.987	33.633	4.21	21.713	.254
50.	24.364	34.050	3.43	22.834	.309
60.	22.684	34.215	3.04	23.448	.357
70.	20.637	34.362	2.39	24.125	.397
80.	18.312	34.583	1.71	24.893	.432
90.	16.401	34.665	.82	25.417	.460
100.	14.959	34.714	.53	25.778	.485
110.	14.165	34.771	.38	25.993	.506
120.	13.444	34.795	.33	26.162	.526
130.	13.238	34.804	.30	26.210	.545
140.	13.004	34.804	.28	26.258	.563
150.	12.819	34.824	.28	26.310	.581
160.	12.571	34.816	.26	26.353	.598
170.	12.286	34.795	.26	26.393	.615
180.	12.052	34.782	.26	26.428	.632
190.	11.918	34.780	.26	26.451	.649
200.	11.775	34.775	.28	26.475	.665
250.	11.184	34.749	.27	26.565	.743
300.	10.751	34.726	.26	26.626	.819
350.	10.284	34.698	.25	26.686	.893
400.	9.567	34.659	.22	26.777	.962
450.	8.949	34.624	.20	26.852	1.028
495.	8.473	34.602	.18	26.909	

CAST EP2-81-0C-003 DATE 26 FEB 81 TIME 1944 GMT
LAT 10 01.2N LONG 110 02.6W



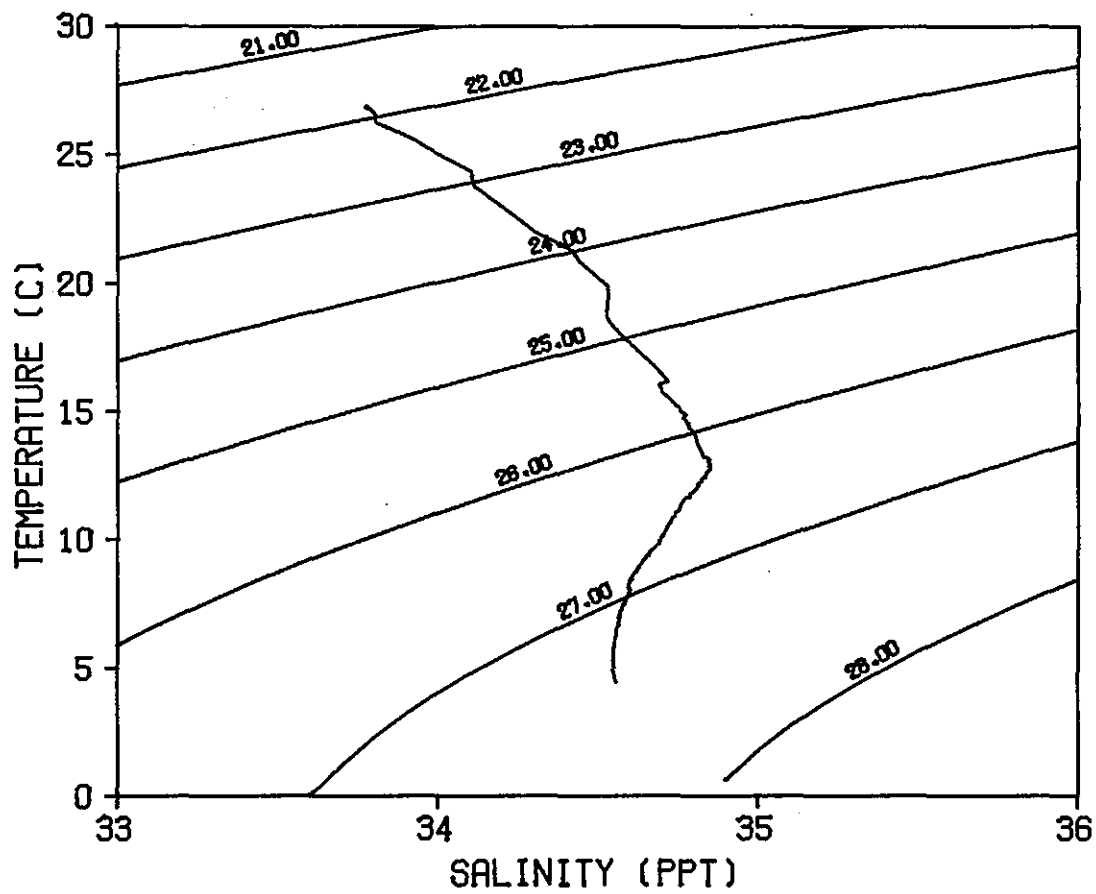
329



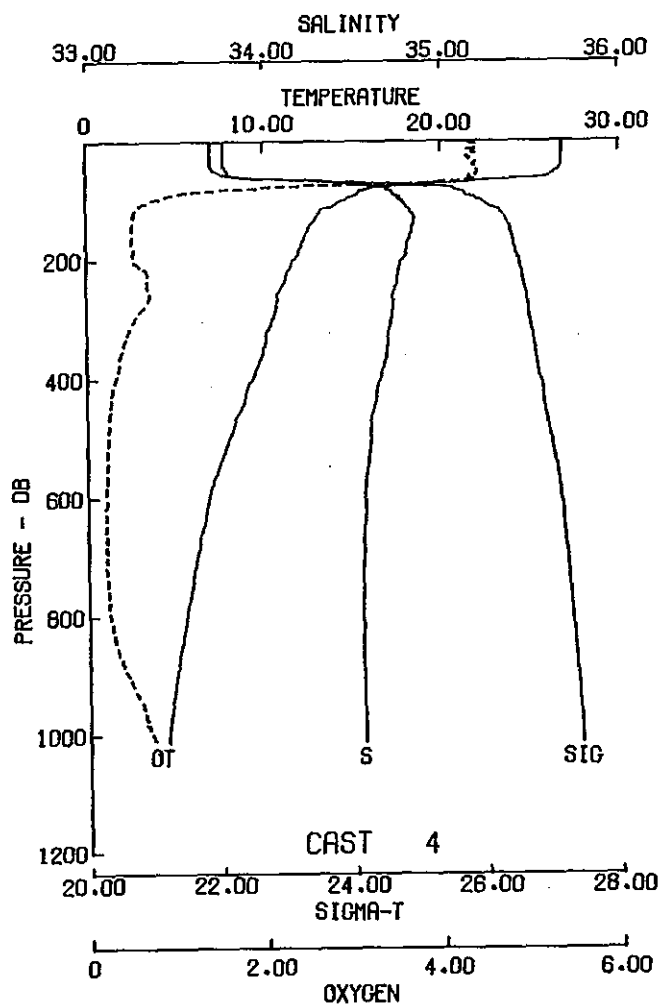
CAST EP2-81-DC-003 DATE 26 FEB 81 TIME 1944 GMT
 LAT 10 01.2N LONG 110 02.6W WEATHER 1 SEA STATE 4
 BAROMETER 09 WIND DIR 090 T SPD 20 KT VISIBILITY 8
 CLUD 8 AMOUNT 2 DRY 28.2 WET 24.1 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.832	33.765	4.13	21.861	0.000
1.	26.837	33.763	4.12	21.856	
10.	26.842	33.768	4.12	21.860	.060
20.	26.805	33.814	4.18	21.906	.119
30.	26.754	33.878	4.14	21.971	.178
40.	26.487	33.925	4.23	22.090	.236
50.	26.372	33.956	4.18	22.150	.294
60.	24.246	34.104	3.76	22.910	.347
70.	19.212	34.505	2.31	24.607	.388
80.	16.520	34.645	.87	25.372	.419
90.	14.869	34.725	.52	25.806	.443
100.	13.775	34.755	.43	26.062	.464
110.	12.890	34.802	.40	26.279	.483
120.	12.711	34.805	.30	26.317	.501
130.	12.653	34.804	.28	26.328	.518
140.	12.498	34.803	.26	26.358	.535
150.	12.168	34.794	.26	26.415	.552
160.	12.062	34.791	.25	26.433	.569
170.	12.001	34.790	.24	26.444	.585
180.	11.882	34.785	.24	26.463	.601
190.	11.795	34.780	.24	26.476	.618
200.	11.771	34.780	.23	26.480	.634
250.	11.038	34.741	.24	26.585	.712
300.	10.453	34.719	.27	26.673	.786
350.	9.933	34.698	.45	26.730	.857
400.	9.645	34.677	.34	26.779	.926
450.	9.101	34.637	.27	26.837	.993
500.	8.391	34.593	.22	26.914	1.057
550.	7.627	34.571	.20	27.012	1.116
600.	6.999	34.548	.19	27.084	1.172
650.	6.660	34.547	.19	27.129	1.224
700.	6.291	34.542	.19	27.175	1.275
750.	5.838	34.542	.22	27.233	1.324
800.	5.348	34.542	.26	27.269	1.370
850.	4.844	34.544	.34	27.302	1.415
900.	4.862	34.548	.51	27.354	1.458
950.	4.635	34.554	.63	27.384	1.499
1000.	4.453	34.556	.73	27.406	1.538
1009.	4.410	34.558	.74	27.413	

CAST EP2-81-0C-004 DATE 27 FEB 81 TIME 0546 GMT
LAT 09 00.ON LONG 110 00.OW



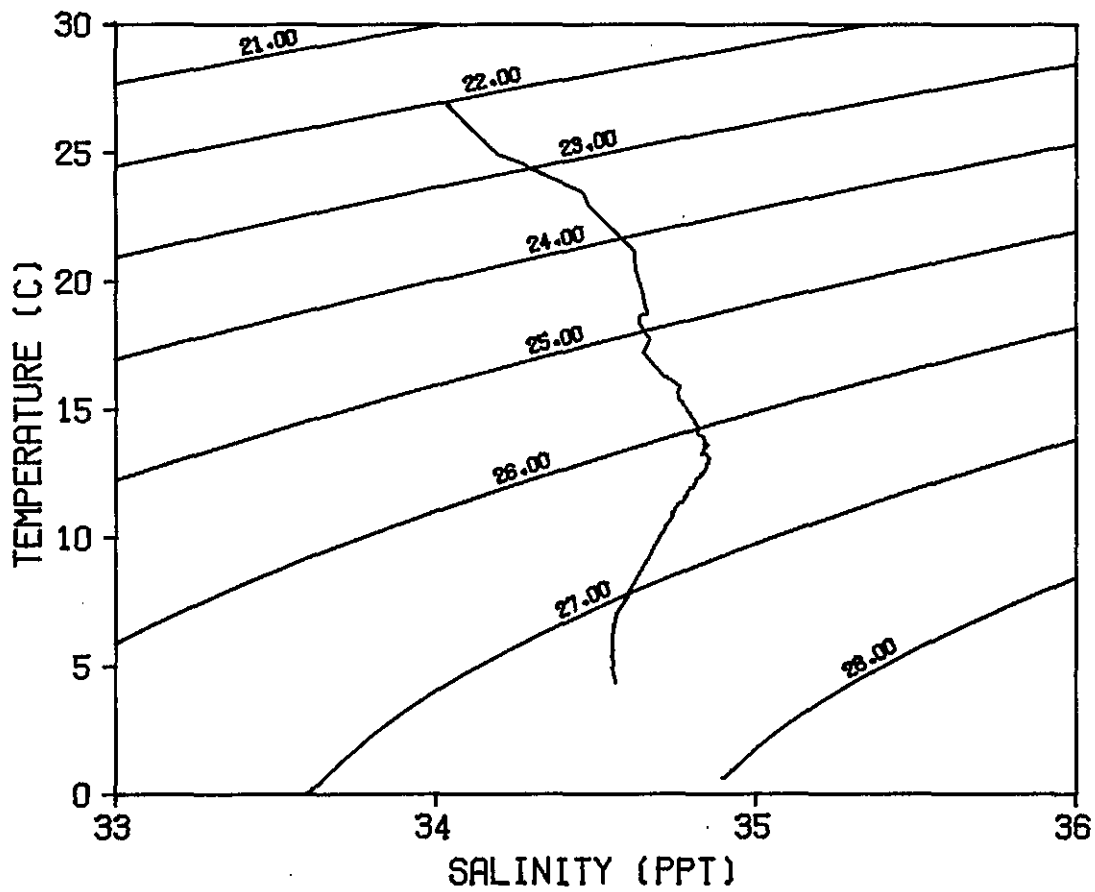
331



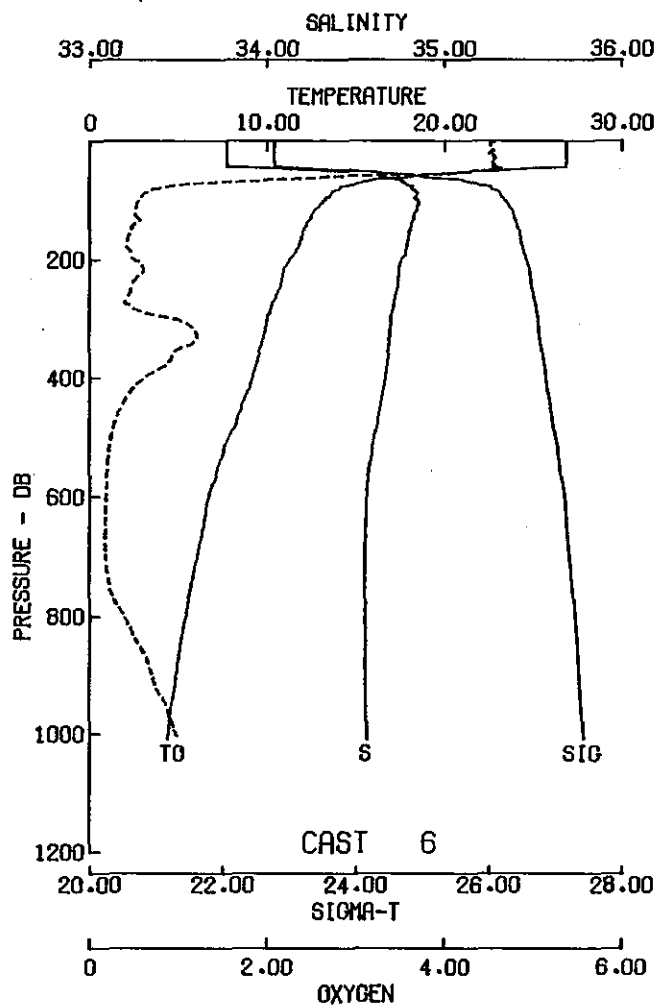
CAST EP2-81-0C-004 DATE 27 FEB 81 TIME 0546 GMT
 LAT 09 00.0N LONG 110 00.0W WEATHER 1 SEA STATE 4
 BAROMETER 09 WIND DIR 070 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 26.6 WET 24.4 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.857	33.777	4.28	21.863	0.000
2.	26.848	33.777	4.32	21.865	
10.	26.825	33.775	4.38	21.871	.060
20.	26.828	33.775	4.40	21.870	.119
30.	26.818	33.777	4.34	21.874	.179
40.	26.812	33.778	4.37	21.877	.238
50.	26.664	33.795	4.41	21.937	.298
60.	25.977	33.852	4.31	22.195	.356
70.	20.855	34.441	3.76	24.126	.404
80.	15.985	34.692	1.08	25.531	.434
90.	15.325	34.734	1.02	25.712	.458
100.	14.517	34.782	.73	25.926	.480
110.	13.955	34.810	.61	26.067	.500
120.	13.229	34.835	.53	26.236	.519
130.	12.969	34.850	.52	26.301	.537
140.	12.712	34.847	.52	26.349	.554
150.	12.522	34.836	.51	26.378	.571
160.	12.375	34.828	.52	26.401	.588
170.	12.229	34.817	.51	26.421	.605
180.	12.151	34.815	.51	26.440	.621
190.	11.950	34.804	.52	26.464	.638
200.	11.665	34.789	.52	26.506	.654
250.	10.972	34.741	.69	26.597	.731
300.	10.506	34.720	.54	26.664	.805
350.	9.955	34.693	.40	26.739	.876
400.	9.330	34.653	.32	26.812	.944
450.	8.706	34.618	.26	26.885	1.009
500.	8.019	34.604	.23	26.980	1.070
550.	7.373	34.594	.21	27.055	1.127
600.	6.844	34.594	.21	27.118	1.180
650.	6.495	34.599	.20	27.160	1.232
700.	6.133	34.593	.21	27.203	1.281
750.	5.843	34.595	.21	27.238	1.329
800.	5.530	34.597	.25	27.275	1.375
850.	5.206	34.547	.30	27.314	1.419
900.	4.907	34.548	.33	27.349	1.462
950.	4.668	34.555	.39	27.379	1.503
1000.	4.466	34.556	.40	27.406	1.544
1013.	4.434	34.557	.70	27.409	

CAST EP2-81-0C-006 DATE 27 FEB 81 TIME 1307 GMT
LAT 07 57.9N LONG 110 00.3W

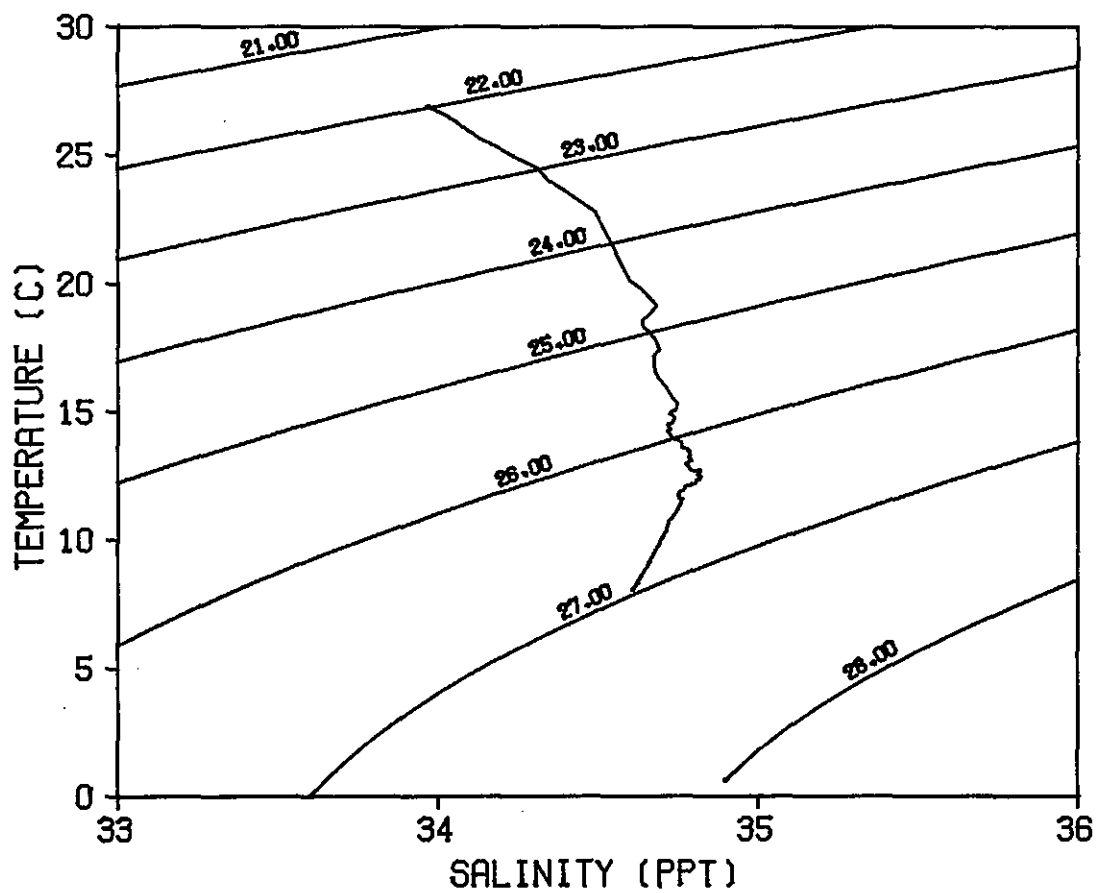


CAST LP2-81-DC-006 DATE 27 FEB 81 TIME 1307 GMT
 LAT 07 57.9N LONG 110 00.3W WEATHER 1 SEA STATE 3
 BAROMETER 07 WIND DIR 050 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 DRY 26.3 WET 24.0 DEPTH M

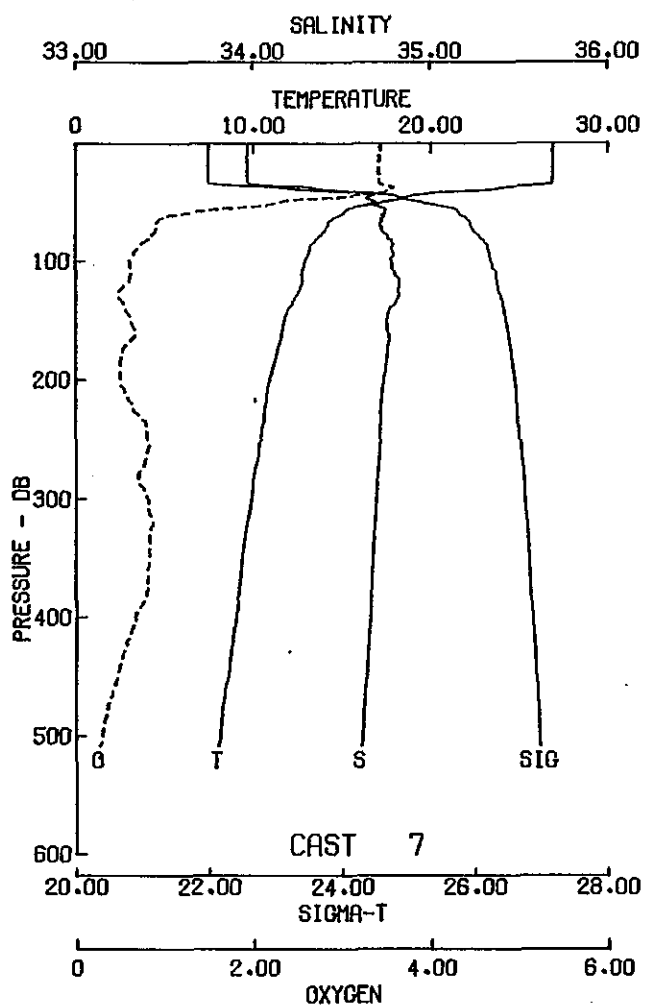


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.866	34.038	4.54	22.056	0.000
2.	26.862	34.039	4.55	22.057	
10.	26.865	34.037	4.51	22.056	.058
20.	26.868	34.037	4.51	22.054	.116
30.	26.872	34.037	4.57	22.053	.174
40.	26.865	34.040	4.56	22.057	.231
50.	23.162	34.470	4.47	22.9504	.285
60.	18.165	34.645	4.77	22.777	.349
70.	15.304	34.766	4.77	22.742	.366
80.	14.086	34.817	4.75	22.6045	.385
90.	13.546	34.847	.60	22.180	.404
100.	13.171	34.849	.55	22.259	.421
110.	12.913	34.849	.52	22.311	.439
120.	12.582	34.836	.51	22.367	.456
130.	12.463	34.832	.55	22.387	.472
140.	12.214	34.814	.49	22.421	.486
150.	12.026	34.806	.47	22.452	.500
160.	11.917	34.793	.42	22.462	.513
170.	11.791	34.786	.41	22.481	.527
180.	11.710	34.784	.41	22.494	.537
190.	11.510	34.774	.45	22.524	.553
200.	11.238	34.753	.49	22.558	.568
250.	10.634	34.729	.46	22.648	.643
300.	9.985	34.695	.99	22.735	.713
350.	9.611	34.683	1.00	22.789	.782
400.	9.158	34.664	.60	22.849	.847
450.	8.551	34.633	.34	22.922	.910
500.	7.859	34.602	.24	27.002	.970
550.	7.243	34.576	.19	27.071	1.026
600.	6.695	34.560	.18	27.134	1.079
650.	6.411	34.555	.17	27.168	1.129
700.	6.067	34.552	.18	27.211	1.178
750.	5.716	34.550	.23	27.254	1.225
800.	5.402	34.549	.38	27.292	1.270
850.	5.089	34.553	.56	27.332	1.314
900.	4.850	34.559	.71	27.361	1.356
950.	4.622	34.558	.86	27.389	1.396
1000.	4.389	34.561	.96	27.418	1.433
1008.	4.358	34.563	1.02	27.422	

CAST EP2-81-0C-007 DATE 28 FEB 81 TIME 1224 GMT
LAT 07 30.5N LONG 110 00.1W



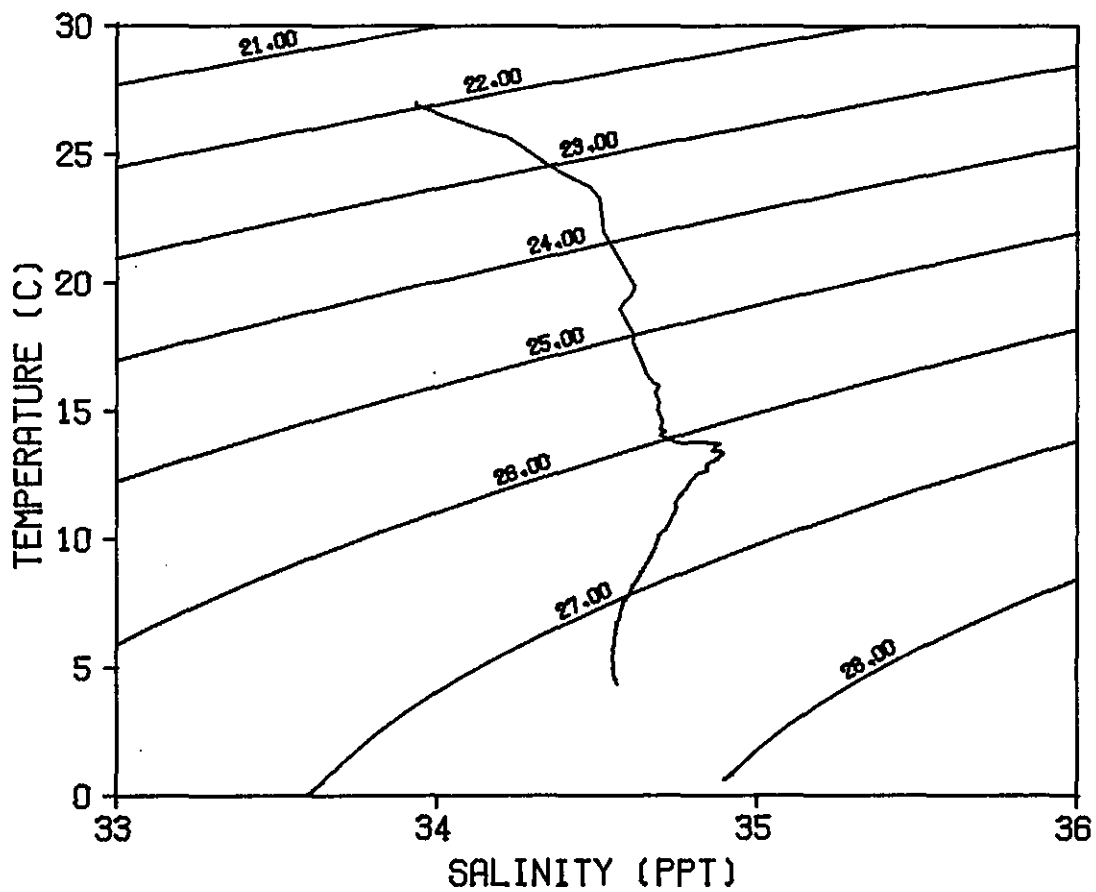
335



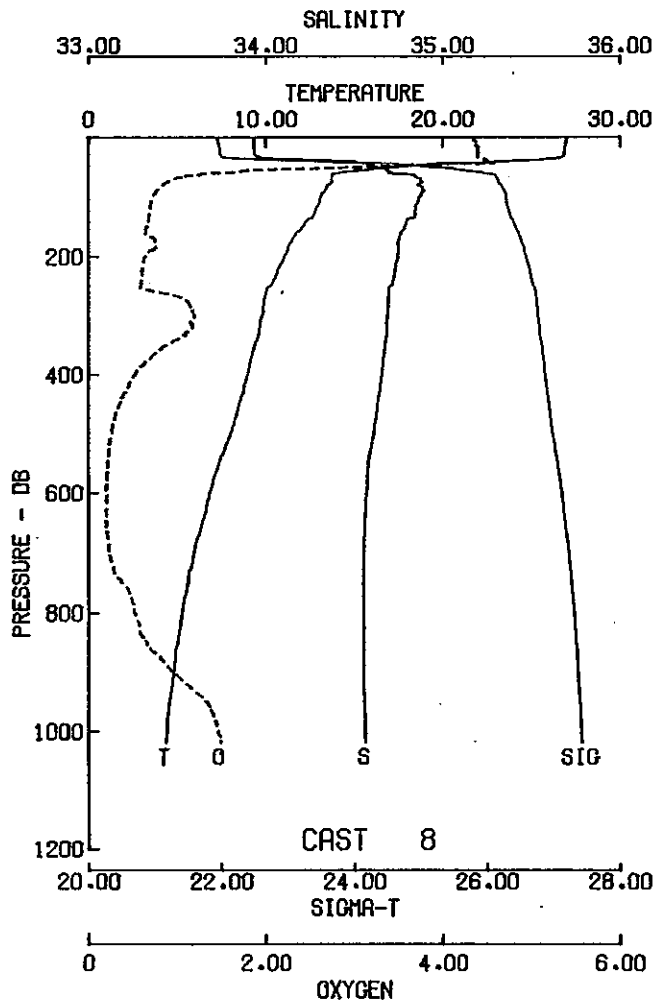
CAST # P2-81-0C-007 DATE 28 FEB 81 TIME 1224 GMT
 LAT 07 30.5N LONG 110 00.1W WEATHER 1 SEA STATE 3
 BAROMETER 07 WIND DIR 060 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 26.3 WET 24.7 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.888	33.967	3.43	21.996	0.000
2.	26.889	33.968	.44	21.995	
10.	26.890	33.969	.43	21.996	.050
20.	26.894	33.968	.41	21.994	.117
30.	26.891	33.970	.42	21.997	.175
40.	22.772	33.490	.51	23.631	.229
50.	17.413	33.692	.29	25.197	.262
60.	15.088	33.746	.18	25.774	.286
70.	14.208	33.720	.92	25.945	.307
80.	13.692	33.763	.83	26.085	.328
90.	13.207	33.785	.69	26.202	.346
100.	12.945	33.781	.62	26.252	.365
110.	12.727	33.797	.62	26.308	.383
120.	12.574	33.821	.55	26.324	.400
130.	12.377	33.820	.49	26.394	.417
140.	12.006	33.773	.56	26.430	.434
150.	11.760	33.753	.62	26.460	.450
160.	11.617	33.760	.67	26.494	.466
170.	11.473	33.761	.57	26.521	.482
180.	11.317	33.755	.51	26.545	.497
190.	11.138	33.748	.50	26.573	.512
200.	10.948	33.737	.51	26.598	.527
250.	10.431	33.719	.81	26.670	.601
300.	9.892	33.695	.82	26.751	.670
350.	9.391	33.674	.83	26.819	.737
400.	9.025	33.657	.67	26.865	.802
450.	8.584	33.638	.46	26.920	.864
500.	8.125	33.616	.30	26.973	.924
508.	8.033	33.608	.27	26.981	

CAST EP2-81-0C-008 DATE 28 FEB 81 TIME 2029 GMT
LAT 07 01.8N LONG 110 02.0W



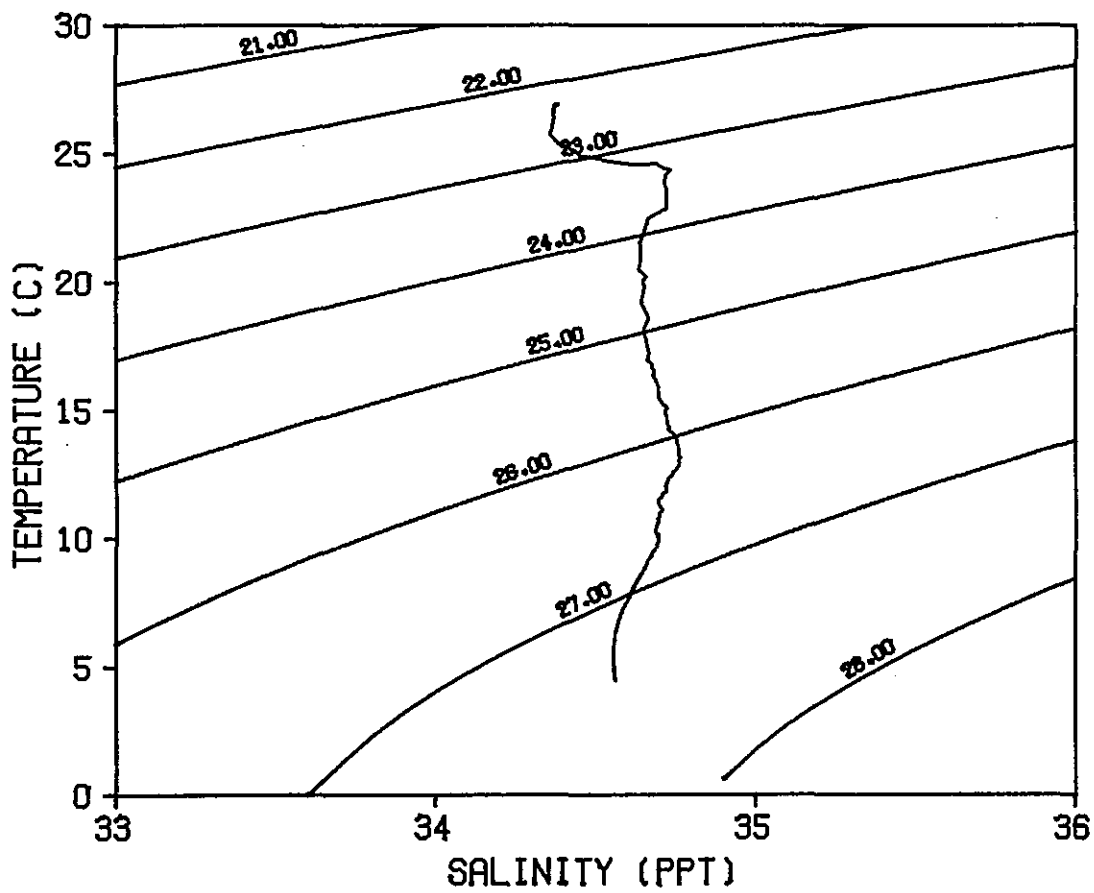
337



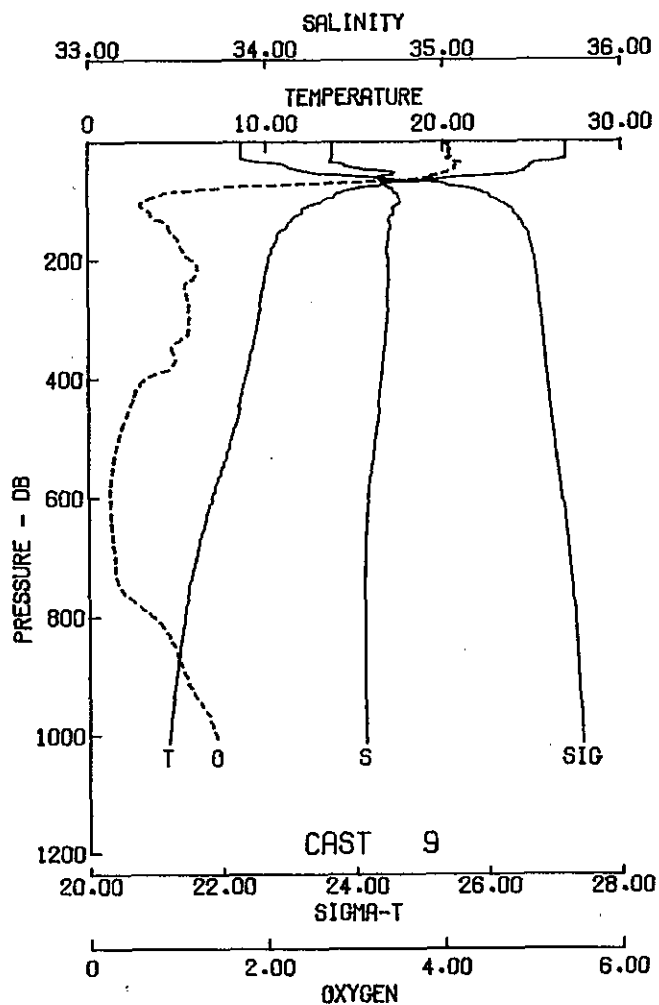
CAST EP2-81-UC-008 DATE 28 FEB 81 TIME 2029 GMT
 LAT 07 01.8N LONG 110 02.0W WEATHER 1 SEA STATE 4
 BAROMETER 08 WIND DIR 060 T SPD 21 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 28.3 WET 25.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.986	33.935	4.27	21.940	0.000
4.	26.982	33.935	4.34	21.941	
10.	26.947	33.935	4.40	21.952	.059
20.	26.882	33.934	4.39	21.972	.118
30.	26.851	33.940	4.41	21.986	.176
40.	23.708	33.479	4.59	23.352	.231
50.	17.653	34.613	3.17	25.078	.267
60.	14.191	34.716	1.40	25.945	.291
70.	13.723	34.876	.97	26.166	.310
80.	13.475	34.860	.84	26.205	.329
90.	13.329	34.893	.77	26.261	.347
100.	13.106	34.870	.73	26.288	.365
110.	13.027	34.859	.71	26.296	.383
120.	12.950	34.844	.69	26.320	.400
130.	12.713	34.843	.68	26.346	.417
140.	12.299	34.796	.68	26.391	.434
150.	12.073	34.785	.65	26.426	.451
160.	11.721	34.762	.64	26.475	.467
170.	11.514	34.751	.74	26.506	.483
180.	11.331	34.743	.77	26.534	.499
190.	11.220	34.748	.69	26.557	.514
200.	11.048	34.744	.63	26.586	.530
250.	10.217	34.703	.59	26.701	.602
300.	9.801	34.687	1.20	26.760	.671
350.	9.373	34.674	.87	26.822	.738
400.	8.967	34.654	.53	26.872	.802
450.	8.496	34.633	.34	26.930	.864
500.	8.004	34.609	.26	26.986	.924
550.	7.340	34.578	.22	27.059	.981
600.	6.815	34.567	.20	27.124	1.034
650.	6.408	34.557	.20	27.170	1.085
700.	5.945	34.554	.23	27.228	1.134
750.	5.595	34.550	.38	27.269	1.180
800.	5.278	34.552	.53	27.309	1.224
850.	4.920	34.554	.66	27.340	1.267
900.	4.812	34.553	.97	27.364	1.308
950.	4.555	34.556	1.34	27.395	1.349
1000.	4.422	34.562	1.46	27.414	1.387
1018.	4.345	34.563	1.49	27.424	

CAST EP2-81-0C-009 DATE 01 MAR 81 TIME 1021 GMT
LAT 05 54.9N LONG 109 57.9W

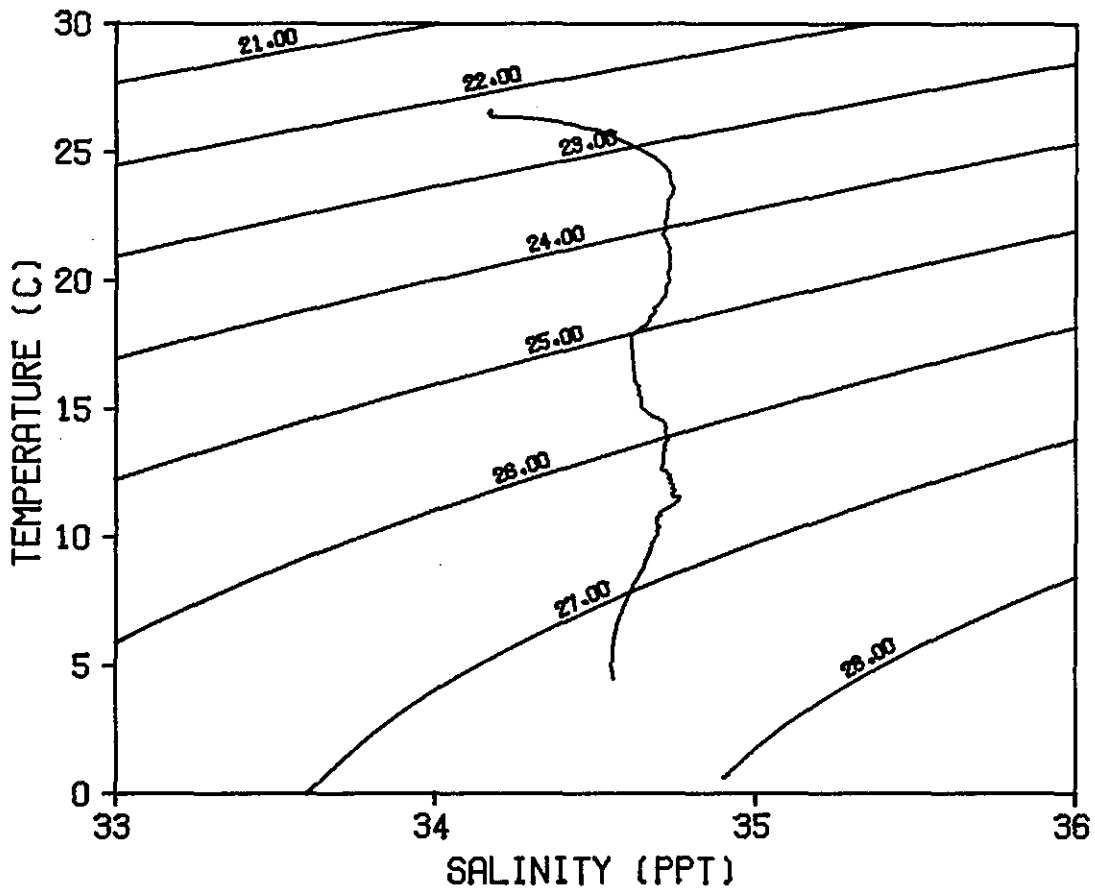


CAST EP2-81-DC-009 DATE 01 MAR 81 TIME 1021 GMT
 LAT 05 54.9N LONG 109 57.9W WEATHER 1 SEA STATE 4
 BAROMETER 08 WIND DIR 040 T SPD 15 KT VISIBILITY 7
 CLUD 8 AMOUNT 2 DRY 26.6 WET 25.1 DEPTH M

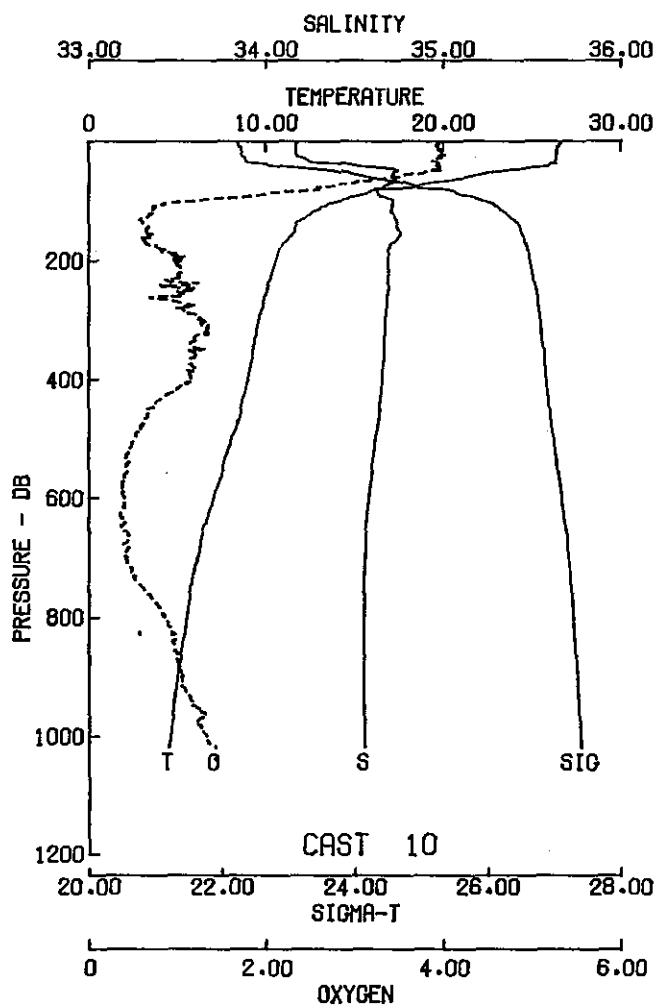


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.919	34.375	4.08	22.292	0.000
2.	26.917	34.375	4.07	22.293	
10.	26.912	34.374	4.08	22.294	.056
20.	26.918	34.374	4.05	22.292	.111
30.	26.726	34.365	4.08	22.346	.167
40.	24.931	34.444	4.14	22.961	.218
50.	24.609	34.686	4.05	23.241	.266
60.	20.890	34.636	3.90	24.265	.309
70.	16.771	34.675	2.65	25.337	.341
80.	14.857	34.713	1.23	25.800	.366
90.	13.895	34.747	.79	26.031	.387
100.	13.259	34.756	.64	26.170	.407
110.	12.354	34.726	.61	26.326	.425
120.	12.018	34.716	.69	26.383	.442
130.	11.480	34.691	.75	26.466	.458
140.	11.222	34.698	.89	26.518	.474
150.	10.850	34.693	.92	26.582	.489
160.	10.631	34.690	.98	26.619	.504
170.	10.551	34.688	1.01	26.631	.519
180.	10.356	34.682	1.04	26.661	.533
190.	10.276	34.682	1.09	26.675	.547
200.	10.139	34.691	1.17	26.705	.561
250.	9.787	34.687	1.08	26.762	.630
300.	9.517	34.679	1.12	26.801	.696
350.	9.195	34.665	.93	26.844	.761
400.	8.791	34.648	.65	26.895	.824
450.	8.446	34.633	.45	26.937	.886
500.	7.995	34.612	.33	26.990	.945
550.	7.489	34.593	.26	27.049	1.002
600.	6.941	34.572	.24	27.110	1.056
650.	6.448	34.561	.25	27.168	1.108
700.	6.049	34.556	.29	27.217	1.156
750.	5.631	34.552	.36	27.266	1.203
800.	5.344	34.552	.72	27.301	1.248
850.	5.093	34.552	.96	27.331	1.291
900.	4.901	34.554	1.10	27.354	1.333
950.	4.670	34.553	1.26	27.380	1.374
1000.	4.503	34.556	1.43	27.401	1.414
1013.	4.449	34.557	1.45	27.408	

CAST EP2-81-0C-010 DATE 01 MAR 81 TIME 2115 GMT
LAT 05 26.0N LONG 109 56.7W



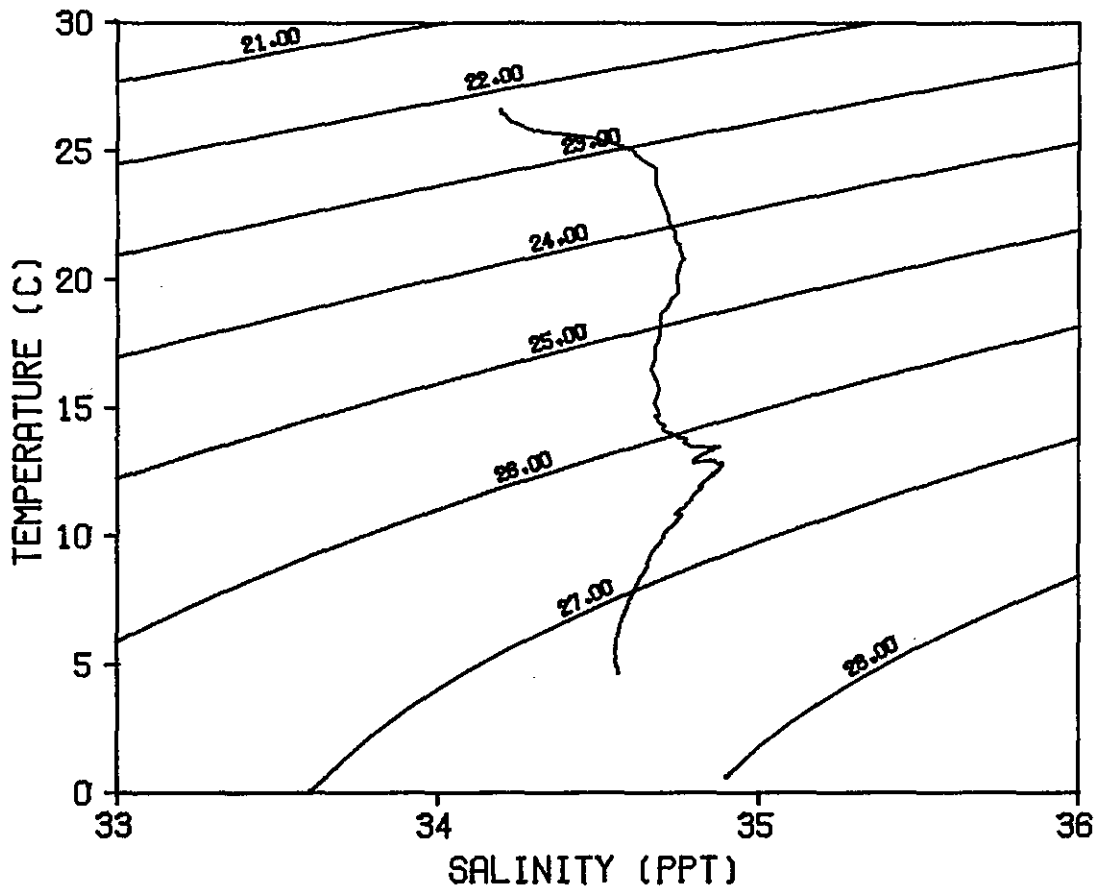
341



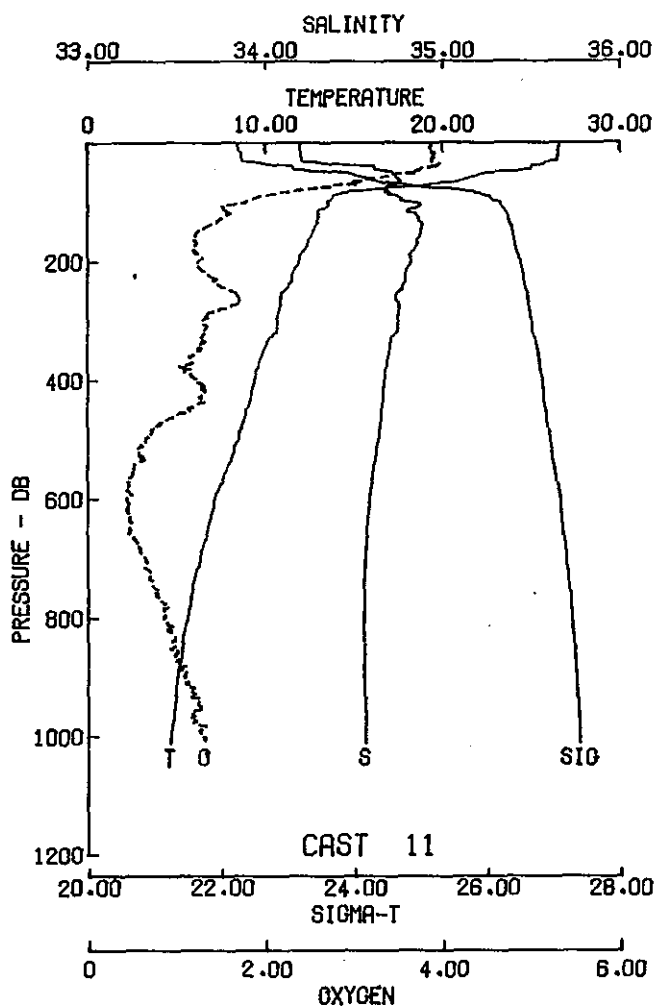
CAST EP2-81-0C-010 DATE 01 MAR 81 TIME 2115 GMT
 LAT 05 26.0N LONG 109 56.7W WEATHER 1 SEA STATE 4
 BAROMETER 08 WIND DIR 060 T SPD 16 KT VISIBILITY 7
 CLOUD 6 AMOUNT 7 DRY 28.4 WET 26.1 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.670	34.178	3.97	22.223	0.000
4.	26.593	34.171	3.94	22.242	
10.	26.449	34.170	3.94	22.287	.056
20.	26.398	34.172	4.00	22.304	.111
30.	26.355	34.226	3.92	22.358	.167
40.	25.900	34.490	3.94	22.699	.221
50.	23.313	34.737	3.82	23.602	.268
60.	21.455	34.721	3.47	24.175	.308
70.	19.455	34.706	3.01	24.759	.343
80.	17.455	34.618	2.58	25.348	.374
90.	15.455	34.640	2.19	25.625	.399
100.	14.242	34.720	1.24	25.937	.421
110.	13.174	34.710	.72	26.151	.441
120.	12.595	34.712	.73	26.268	.459
130.	12.099	34.733	.59	26.381	.477
140.	11.694	34.736	.67	26.460	.493
150.	11.582	34.752	.65	26.494	.509
160.	11.331	34.747	.68	26.537	.525
170.	11.091	34.716	.64	26.557	.540
180.	10.778	34.691	.77	26.593	.555
190.	10.656	34.692	1.00	26.616	.570
200.	10.573	34.690	.96	26.629	.585
250.	9.041	34.689	1.03	26.721	.656
300.	9.571	34.672	1.34	26.787	.724
350.	9.232	34.662	1.12	26.836	.789
400.	8.994	34.654	1.15	26.868	.854
450.	8.575	34.639	.67	26.922	.916
500.	8.024	34.614	.51	26.987	.976
550.	7.576	34.598	.42	27.041	1.033
600.	7.053	34.581	.40	27.102	1.088
650.	6.461	34.564	.37	27.169	1.140
700.	6.133	34.558	.42	27.207	1.189
750.	5.730	34.552	.61	27.254	1.236
800.	5.505	34.553	.87	27.282	1.281
850.	5.252	34.552	.97	27.311	1.326
900.	4.979	34.550	1.05	27.342	1.369
950.	4.789	34.554	1.21	27.368	1.410
1000.	4.596	34.555	1.33	27.390	1.451
1019.	4.501	34.557	1.43	27.402	

CAST EP2-81-0C-011 DATE 02 MAR 81 TIME 0201 GMT
LAT 04 58.3N LONG 109 58.9W



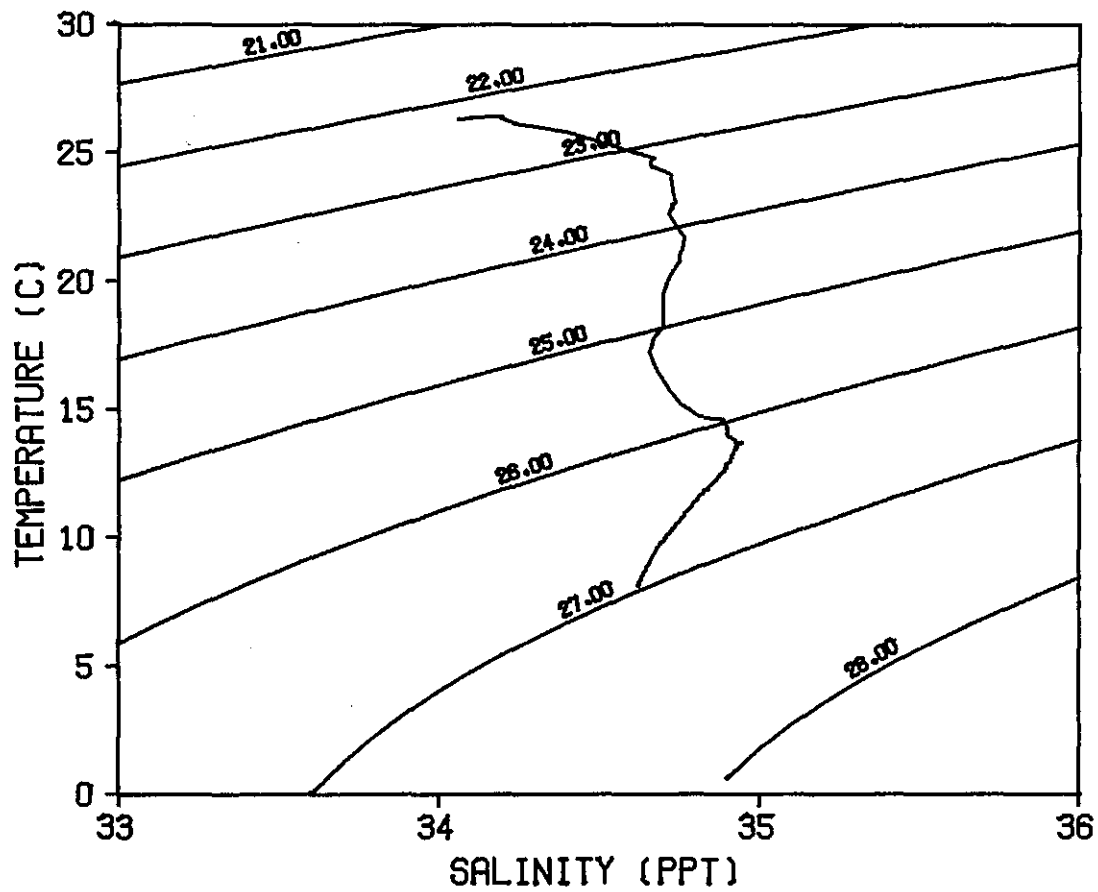
343



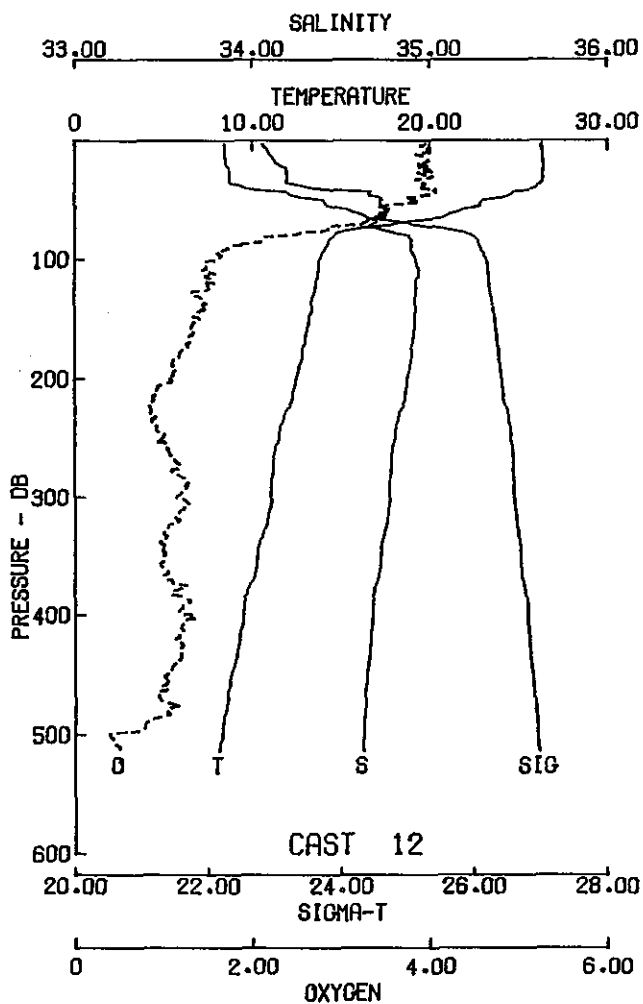
CAST EP2-81-DC-011 DATE 02 MAR 81 TIME 0201 GMT
 LAT 04 58.3N LONG 109 58.9W WEATHER 2 SEA STATE 3
 BAROMETER 08 WIND DIR 070 T SPD 10 KT VISIBILITY 7
 CLOUD 9 AMOUNT 5 DRY 27.0 WET 25.3 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.596	34.196	3.86	22.260	0.000
2.	26.596	34.196	3.86	22.259	
10.	26.578	34.196	3.87	22.265	.056
20.	26.477	34.197	3.91	22.298	.112
30.	26.445	34.205	3.88	22.314	.167
40.	24.987	34.613	3.88	22.071	.219
50.	21.481	34.716	3.70	22.885	.265
60.	21.369	34.750	3.13	24.221	.304
70.	19.129	34.722	2.90	24.794	.339
80.	15.178	34.674	2.32	25.699	.367
90.	13.826	34.752	1.93	26.050	.388
100.	13.476	34.849	1.77	26.146	.407
110.	13.247	34.833	1.52	26.231	.426
120.	12.980	34.850	1.60	26.298	.444
130.	12.896	34.861	1.45	26.323	.461
140.	12.772	34.881	1.33	26.364	.478
150.	12.648	34.875	1.24	26.384	.495
160.	12.496	34.863	1.20	26.405	.512
170.	12.375	34.857	1.22	26.423	.529
180.	12.227	34.841	1.18	26.440	.545
190.	11.923	34.813	1.26	26.476	.562
200.	11.845	34.817	1.25	26.494	.578
250.	11.060	34.756	1.62	26.593	.656
300.	10.618	34.744	1.29	26.663	.729
350.	9.851	34.697	1.23	26.760	.801
400.	9.348	34.667	1.24	26.820	.868
450.	8.886	34.652	1.13	26.883	.933
500.	8.457	34.634	.65	26.936	.995
550.	7.804	34.608	.51	27.015	1.054
600.	7.103	34.583	.43	27.096	1.109
650.	6.738	34.571	.48	27.138	1.162
700.	6.301	34.562	.64	27.188	1.213
750.	5.871	34.555	.75	27.238	1.261
800.	5.576	34.553	.85	27.273	1.307
850.	5.264	34.553	.95	27.313	1.351
900.	5.017	34.553	1.08	27.340	1.394
950.	4.832	34.559	1.29	27.367	1.436
1000.	4.650	34.562	1.27	27.389	1.477
1011.	4.614	34.562	1.31	27.393	

CAST EP2-81-0C-012 DATE 02 MAR 81 TIME 0945 GMT
LAT 04 45.0N LONG 110 00.5W



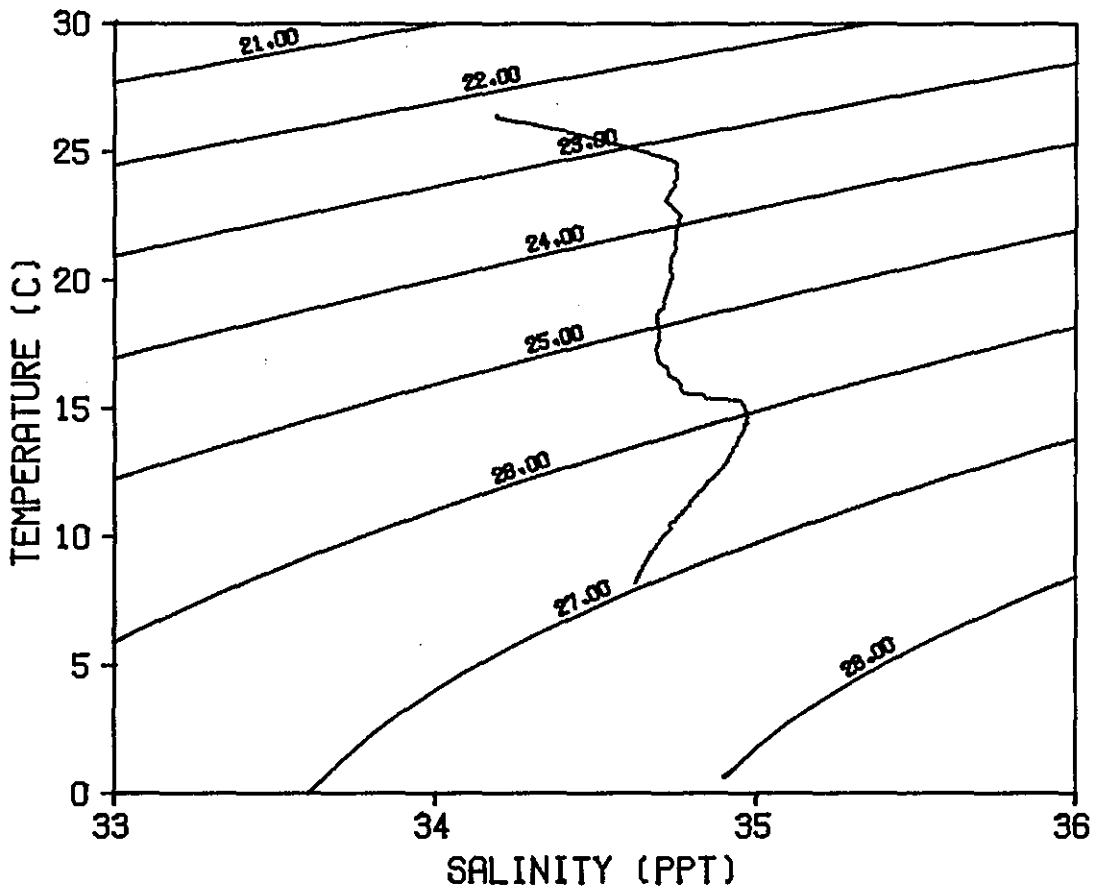
CAST EP2-81-DC-012 DATE 02 MAR 81 TIME 0945 GMT
 LAT 04 45.0N LONG 110 00.5W WEATHER 2 SEA STATE 4
 BAROMETER 09 WIND DIR 180 T SPD 09 KT VISIBILITY 7
 CLOUD 8 AMOUNT 7 DRY 24.7 WET 24.7 DEPTH M



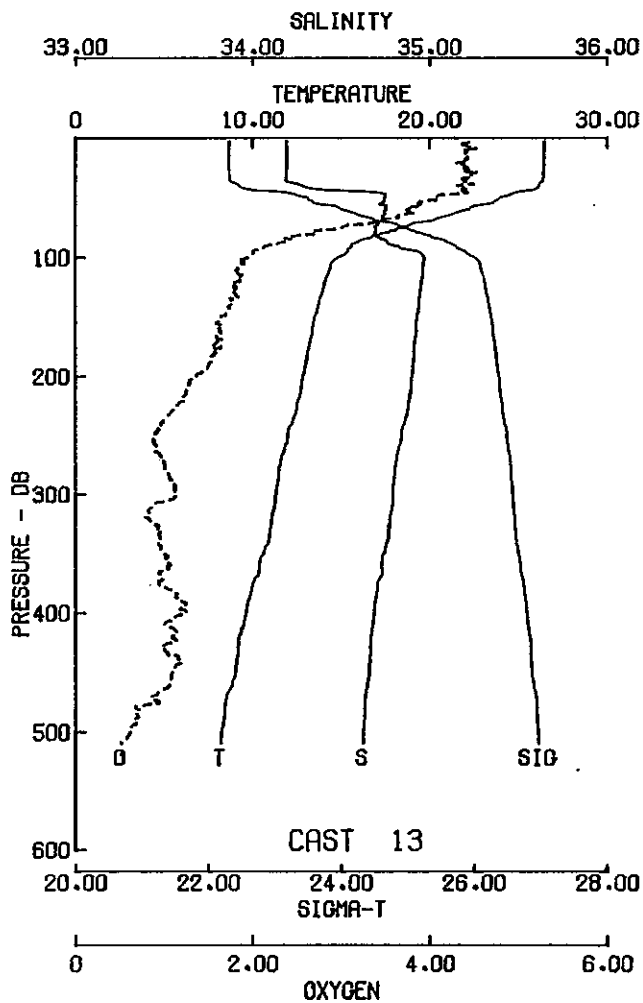
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.287	34.043	3.88	22.242	0.000
3.	26.318	34.061	3.95	22.246	
10.	26.368	34.092	4.00	22.254	.056
20.	26.415	34.146	3.87	22.279	.112
30.	26.407	34.201	4.04	22.323	.167
40.	25.939	34.347	3.89	22.379	.222
50.	25.060	34.737	3.81	22.436	.269
60.	21.604	34.763	3.54	22.466	.310
70.	18.005	34.684	3.25	22.504	.344
80.	14.642	34.885	2.36	22.597	.368
90.	14.136	34.896	1.74	22.609	.388
100.	13.804	34.920	1.59	22.618	.407
110.	13.732	34.943	1.46	22.616	.426
120.	13.582	34.923	1.37	22.621	.444
130.	13.428	34.924	1.32	22.622	.462
140.	13.263	34.918	1.27	22.628	.480
150.	13.163	34.913	1.24	22.631	.498
160.	13.061	34.909	1.22	22.632	.516
170.	12.956	34.903	1.20	22.634	.533
180.	12.797	34.898	1.18	22.637	.550
190.	12.642	34.889	1.12	22.639	.567
200.	12.473	34.874	1.06	22.641	.584
250.	11.482	34.804	0.99	22.652	.665
300.	11.048	34.774	1.15	22.660	.741
350.	10.282	34.724	1.10	22.670	.814
400.	9.489	34.677	1.31	22.680	.883
450.	8.805	34.648	1.04	22.693	.948
500.	8.292	34.627	.39	22.457	1.009
513.	8.114	34.626	.50	22.983	

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CAST EP2-81-0C-013 DATE 02 MAR 81 TIME 1134 GMT
LAT 04 35.3N LONG 110 05.9W



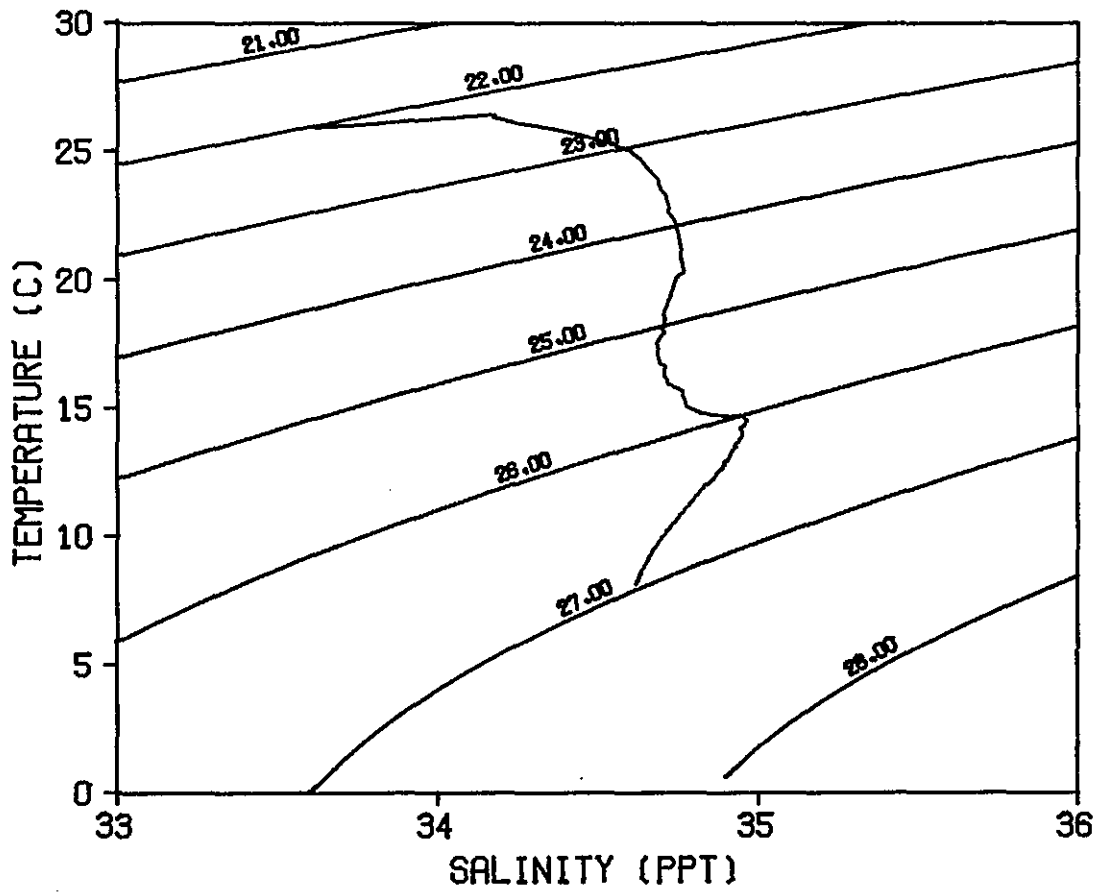
347



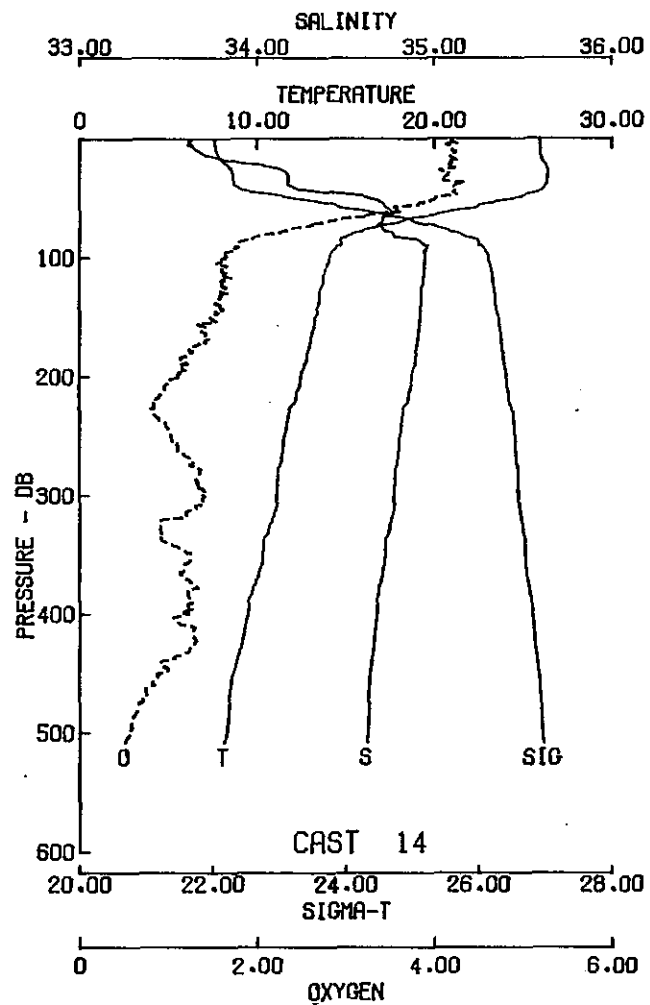
CAST EP2-81-0C-013 DATE 02 MAR 81 TIME 1134 GMT
 LAT 04 35.3N LONG 110 05.9W WEATHER 1 SEA STATE 3
 BAROMETER 18 WIND DIR 180 T SPD 10 KT VISIBILITY 7
 CLOUD 9 AMOUNT 3 DRY 25.1 WET 24.1 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.414	34.191	4.46	22.314	0.000
3.	26.418	34.191	4.44	22.312	
10.	26.424	34.191	4.39	22.310	.055
20.	26.427	34.192	4.43	22.310	.111
30.	26.405	34.189	4.50	22.314	.166
40.	26.138	34.275	4.30	22.463	.221
50.	23.991	34.753	4.10	23.475	.271
60.	22.154	34.755	3.74	24.007	.313
70.	19.683	34.722	3.40	24.650	.349
80.	17.303	34.685	3.72	25.218	.380
90.	15.559	34.790	2.18	25.703	.405
100.	14.798	34.967	1.95	26.008	.427
110.	14.330	34.964	1.84	26.106	.447
120.	14.058	34.954	1.86	26.157	.466
130.	13.876	34.944	1.80	26.187	.485
140.	13.663	34.938	1.75	26.226	.503
150.	13.469	34.927	1.62	26.258	.522
160.	13.360	34.923	1.63	26.278	.540
170.	13.219	34.916	1.59	26.301	.558
180.	13.084	34.909	1.59	26.323	.575
190.	12.963	34.907	1.50	26.346	.593
200.	12.809	34.899	1.33	26.370	.610
250.	11.956	34.838	.89	26.490	.694
300.	11.290	34.792	1.13	26.579	.772
350.	10.612	34.741	1.00	26.662	.848
400.	9.617	34.684	1.25	26.789	.918
450.	9.019	34.657	1.09	26.866	.983
500.	8.230	34.625	.62	26.964	1.044
509.	8.195	34.624	.52	26.969	

CAST EP2-81-0C-014 DATE 03 MAR 81 TIME 0143 GMT
LAT 04 42.6N LONG 110 04.6W



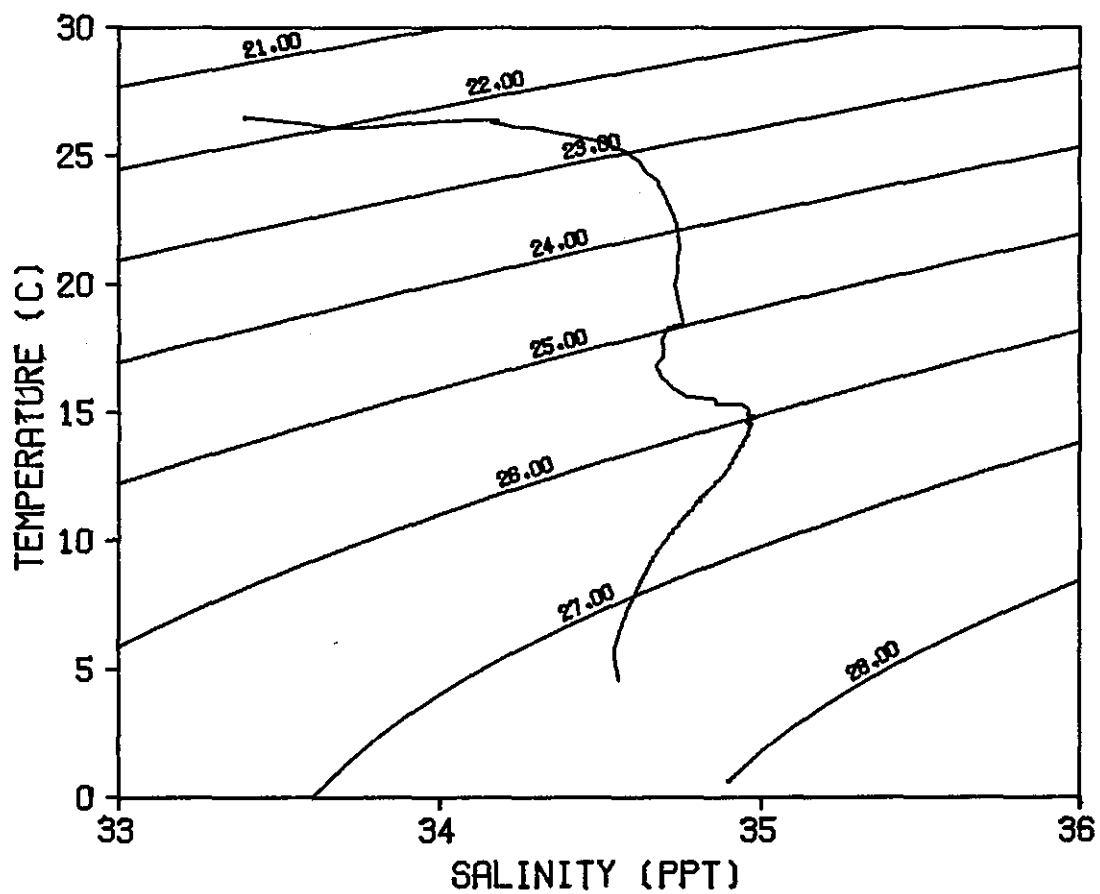
349



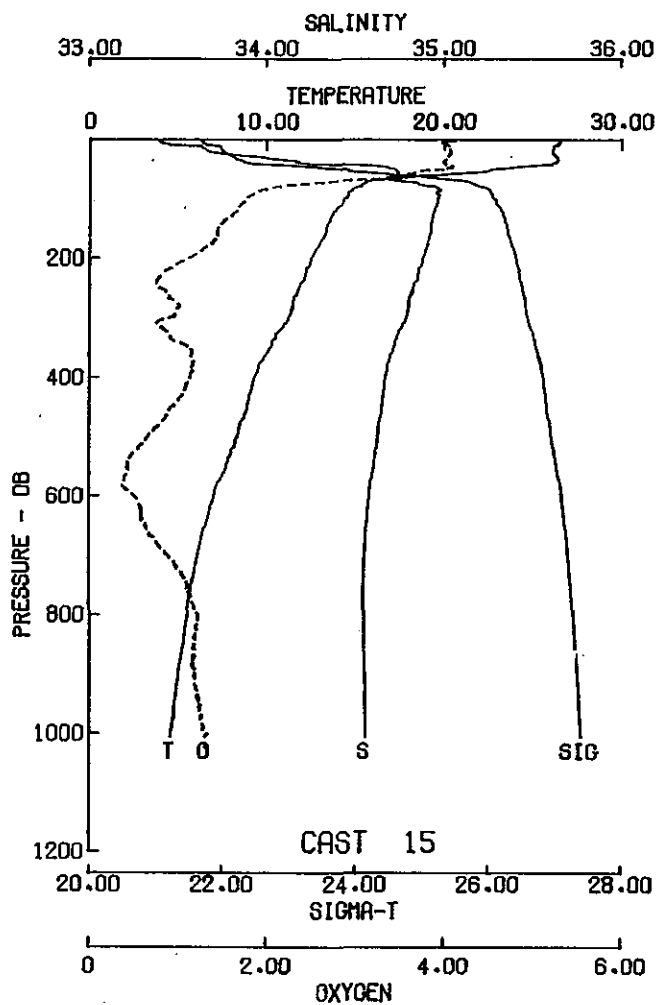
CAST EP2-81-0C-014 DATE 03 MAR 81 TIME 0143 GMT
 LAT 04 42.6N LONG 110 04.6W WEATHER 5 SEA STATE 3
 BAROMETER 09 WIND DIR 000 T SPD 00 KT VISIBILITY 8
 CLOUD 8 AMOUNT 8 DRY 24.3 WET 24.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-P (DYN-M)
0.	25.957	33.609	4.21	22.018	0.000
2.	25.966	33.622	4.19	22.025	
10.	25.981	33.625	4.20	22.050	.058
20.	26.179	33.886	4.18	22.158	.115
30.	26.419	34.172	4.14	22.298	.171
40.	26.286	34.190	4.23	22.353	.227
50.	24.726	34.632	4.02	23.165	.279
60.	21.519	34.753	3.62	24.181	.321
70.	18.103	34.699	2.82	25.034	.354
80.	15.385	34.765	2.16	25.723	.380
90.	14.726	34.945	1.75	26.007	.402
100.	14.069	34.948	1.64	26.149	.421
110.	13.859	34.944	1.60	26.190	.440
120.	13.712	34.939	1.60	26.217	.459
130.	13.505	34.927	1.67	26.251	.477
140.	13.454	34.926	1.58	26.261	.495
150.	13.254	34.916	1.46	26.294	.513
160.	13.146	34.912	1.41	26.312	.531
170.	12.973	34.904	1.40	26.341	.548
180.	12.812	34.895	1.22	26.367	.565
190.	12.68	34.891	1.13	26.389	.582
200.	12.46	34.870	1.14	26.417	.599
250.	11.522	34.803	1.02	26.544	.680
300.	11.103	34.773	1.39	26.599	.757
350.	10.309	34.723	1.25	26.701	.830
400.	9.473	34.674	1.22	26.806	.899
450.	8.647	34.638	.93	26.910	.964
500.	8.265	34.624	.57	26.958	1.024
508.	8.133	34.620	.52	26.976	

CAST EP2-81-0C-015 DATE 03 MAR 81 TIME 1744 GMT
LAT 04 40.2N LONG 110 03.3W



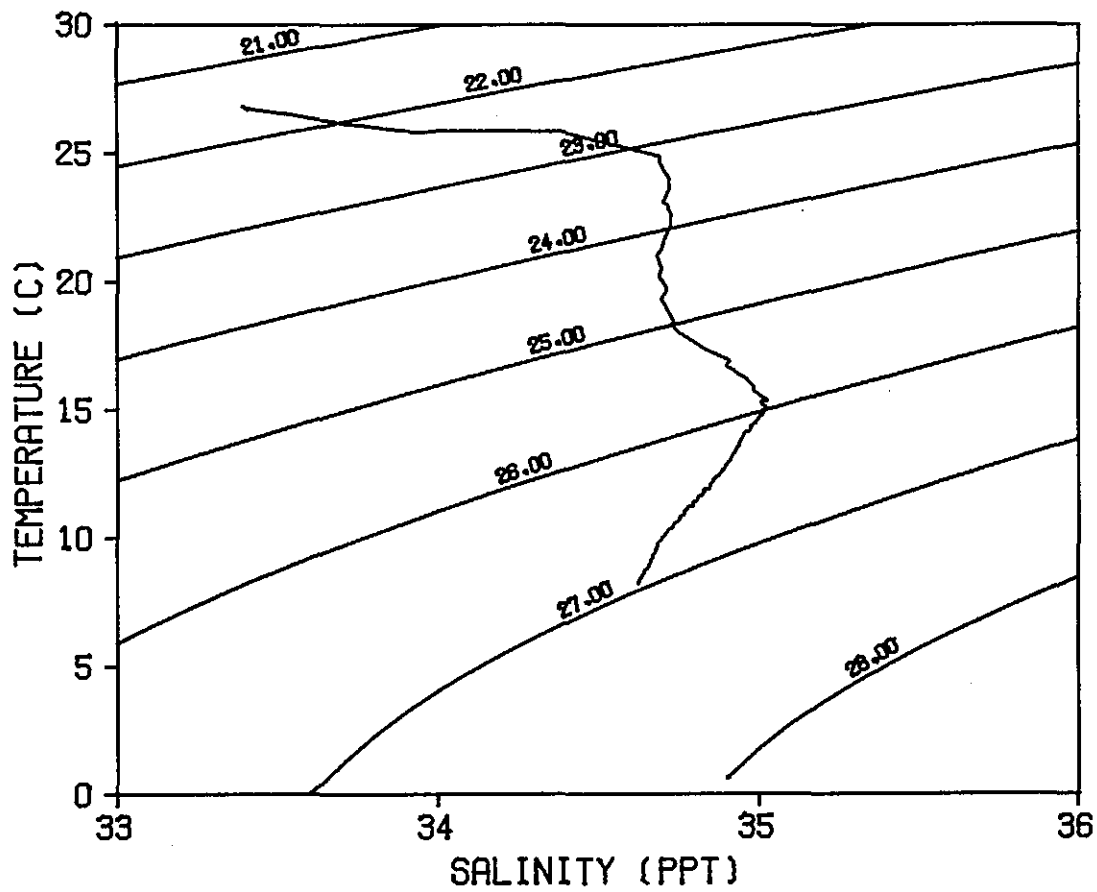
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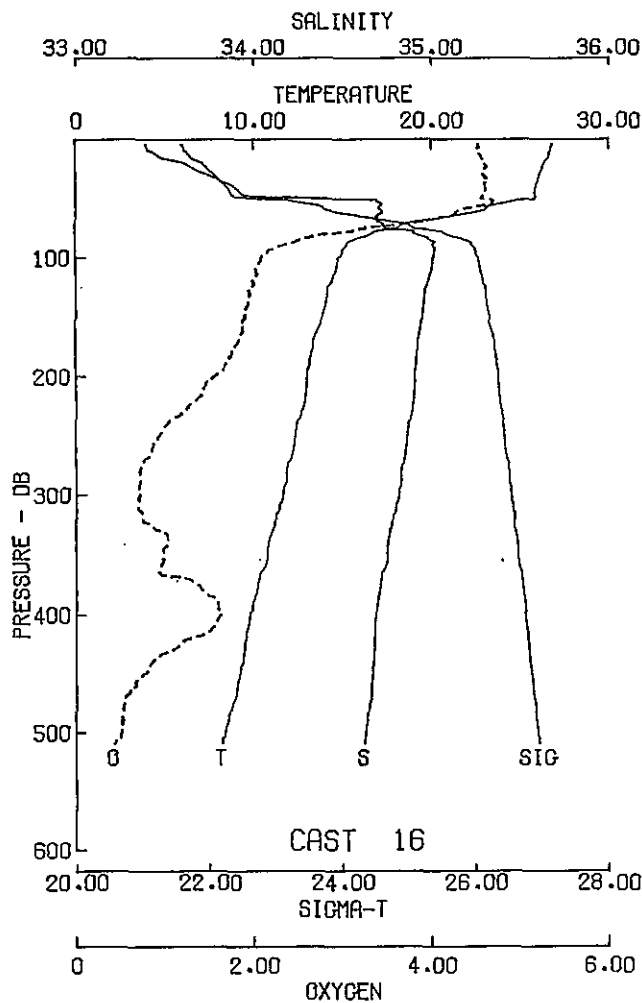
CAST EP2-81-DC-015 DATE 03 MAR 81 TIME 1744 GMT
 LAT 04 40.2N LONG 110 03.3W WEATHER 1 SEA STATE 3
 BAROMETER 15 WIND DIR 320 T SPD 03 KT VISIBILITY 7
 CLOUD 2 AMOUNT 4 DRY 28.4 WET 25.4 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.533	33.370	4.09	21.659	0.000
2.	26.494	33.394	4.11	21.689	
10.	26.317	33.529	4.04	21.846	.061
20.	26.120	33.669	4.07	22.012	.120
30.	26.355	33.979	4.03	22.173	.177
40.	26.228	34.190	4.01	22.371	.233
50.	23.005	34.714	4.02	23.734	.281
60.	19.967	34.733	3.55	24.584	.320
70.	15.751	34.752	2.81	25.630	.348
80.	15.195	34.957	2.10	25.919	.370
90.	14.603	34.953	1.87	26.041	.391
100.	14.395	34.965	1.78	26.093	.411
110.	14.238	34.959	1.71	26.122	.430
120.	13.870	34.943	1.68	26.188	.449
130.	13.624	34.935	1.59	26.233	.468
140.	13.481	34.928	1.50	26.256	.486
150.	13.361	34.925	1.44	26.279	.504
160.	13.279	34.920	1.44	26.292	.522
170.	13.079	34.911	1.40	26.320	.539
180.	12.921	34.903	1.31	26.350	.557
190.	12.694	34.892	1.23	26.388	.574
200.	12.499	34.879	1.12	26.416	.591
250.	11.784	34.823	.80	26.511	.673
300.	11.217	34.786	.89	26.587	.751
350.	10.187	34.714	1.15	26.716	.824
400.	9.307	34.667	1.13	26.827	.892
450.	8.903	34.650	.94	26.880	.956
500.	8.355	34.627	.66	26.947	1.018
550.	7.733	34.604	.43	27.023	1.077
600.	7.040	34.580	.51	27.103	1.132
650.	6.585	34.566	.63	27.154	1.184
700.	6.141	34.554	.88	27.204	1.233
750.	5.775	34.548	1.11	27.245	1.281
800.	5.527	34.548	1.22	27.275	1.327
850.	5.300	34.550	1.19	27.304	1.371
900.	5.031	34.553	1.14	27.330	1.414
950.	4.805	34.557	1.23	27.360	1.456
1000.	4.611	34.559	1.33	27.391	1.497
1005.	4.591	34.558	1.31	27.393	

CAST EP2-81-0C-016 DATE 03 MAR 81 TIME 2233 GMT
LAT 04 20.0N LONG 110 00.0W

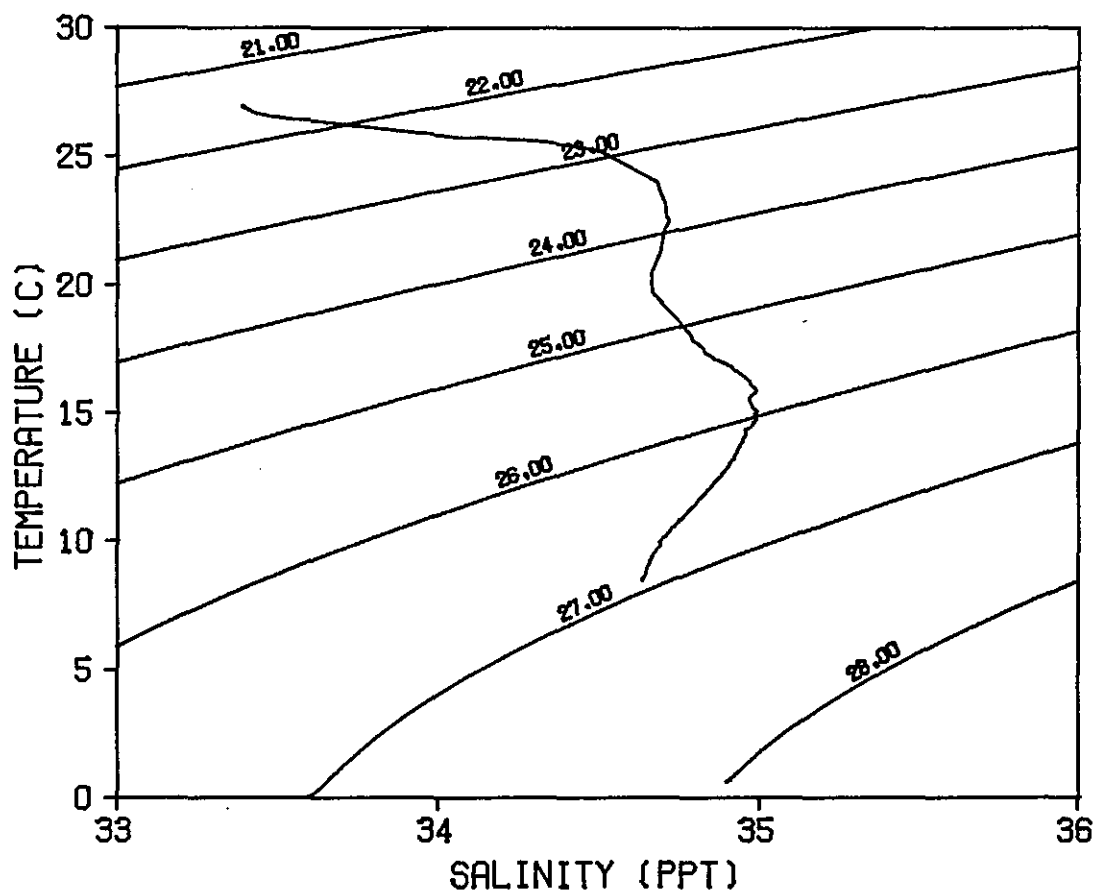


CAST EP2-81-0C-016 DATE 03 MAR 81 TIME 2233 GMT
 LAT 04 20.0N LONG 110 00.0W WEATHER 2 SEA STATE 3
 BAROMETER 09 WIND DIR 310 T SPD 03 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 29.5 WET 27.9 DEPTH M

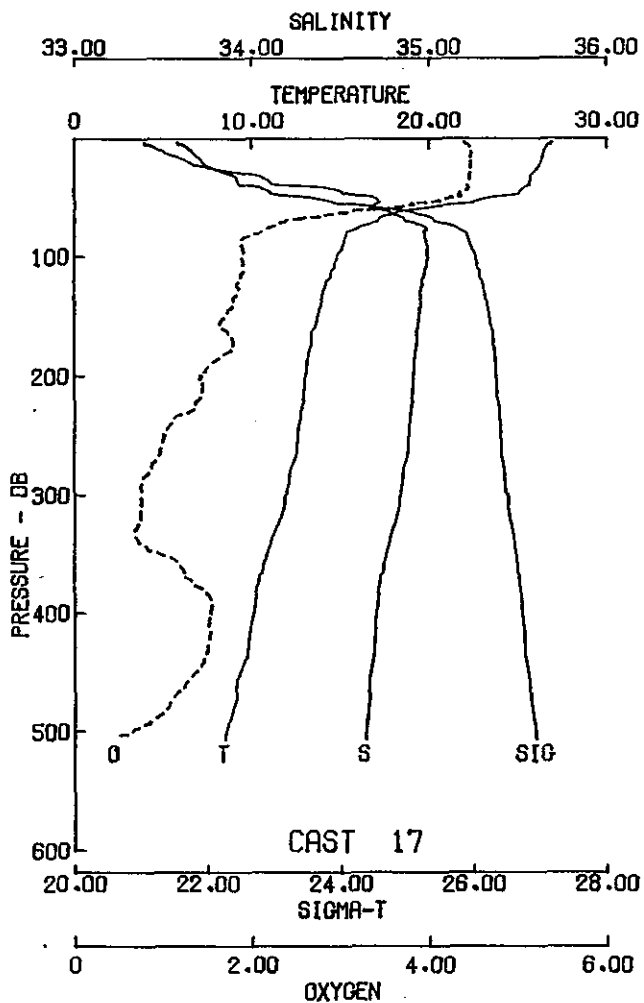


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.902	33.384	4.51	21.552	0.000
4.	26.815	33.394	4.53	21.587	
10.	26.695	33.422	4.50	21.647	.062
20.	26.361	33.604	4.61	21.888	.123
30.	26.096	33.739	4.58	22.073	.182
40.	25.885	33.880	4.61	22.244	.239
50.	25.845	34.190	4.57	22.490	.294
60.	23.007	34.710	4.34	23.730	.340
70.	19.311	34.699	3.97	24.729	.377
80.	16.661	34.902	2.86	25.536	.406
90.	15.213	35.009	2.32	25.949	.428
100.	14.793	35.012	2.08	26.043	.449
110.	14.648	35.001	2.02	26.066	.469
120.	14.400	34.982	1.97	26.105	.488
130.	14.122	34.960	1.96	26.148	.507
140.	14.022	34.954	1.93	26.164	.527
150.	13.827	34.944	1.91	26.197	.545
160.	13.632	34.938	1.88	26.233	.564
170.	13.345	34.924	1.83	26.281	.582
180.	13.248	34.919	1.75	26.298	.600
190.	13.135	34.913	1.68	26.316	.618
200.	12.994	34.906	1.55	26.338	.635
250.	12.343	34.865	.93	26.436	.721
300.	11.640	34.816	.71	26.533	.802
350.	10.774	34.753	.98	26.542	.879
400.	9.821	34.689	1.64	26.758	.950
450.	9.238	34.670	.78	26.840	1.017
500.	8.396	34.632	.52	26.945	1.080
509.	8.235	34.626	.44	26.965	

CAST EP2-81-0C-017 DATE 04 MAR 81 TIME 0245 GMT
LAT 04 00.ON LONG 110 00.OW

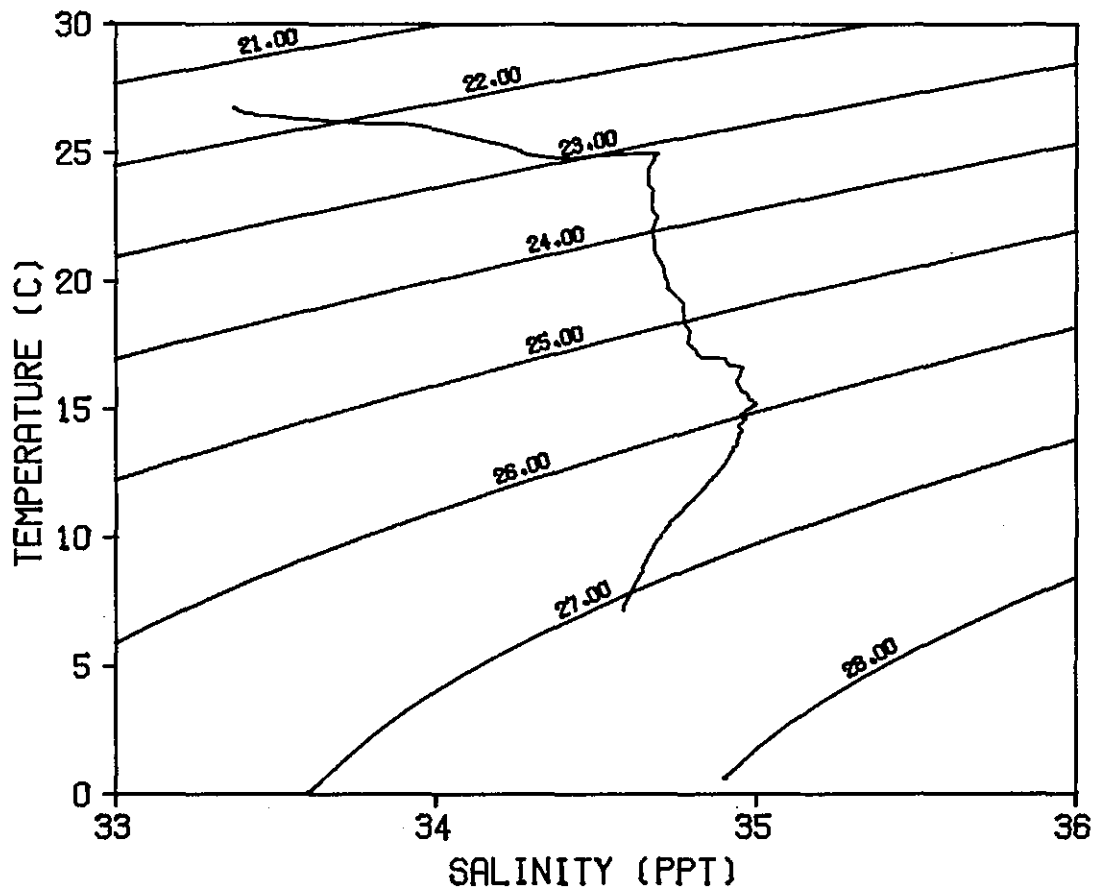


CAST EP2-81-UC-017 DATE 04 MAR 81 TIME 0245 GMT
 LAT 04 00.0N LONG 110 00.0W WEATHER 2 SEA STATE 2
 BARMETER 09 WIND DIR 330 T SPD 04 KT VISIBILITY 8
 CLOUD 8 AMOUNT 5 DRY 26.6 WET 24.9 DEPTH M

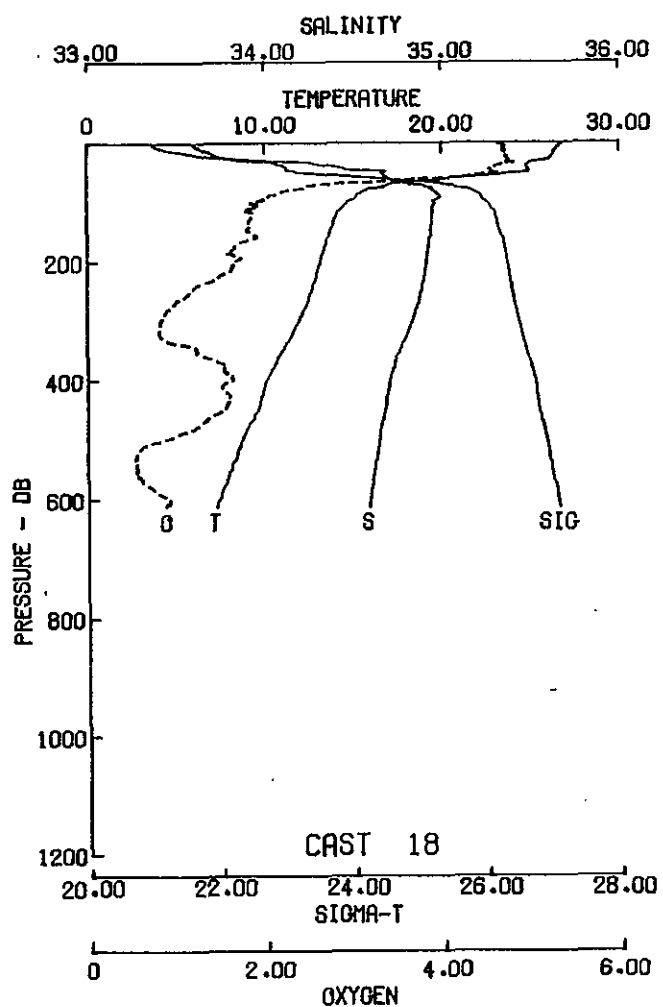


PRES (DB)	TEMP (C)	SAL (PPT)	DXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.210	33.342	4.34	21.423	0.000
3.	26.930	33.393	4.40	21.551	
10.	26.517	33.499	4.44	21.761	.062
20.	26.310	33.650	4.47	21.939	.122
30.	25.848	33.977	4.46	22.329	.179
40.	25.573	34.320	4.44	22.672	.233
50.	23.569	34.696	4.24	23.556	.282
60.	18.984	34.720	3.40	24.828	.321
70.	17.063	34.869	2.38	25.416	.348
80.	15.331	34.973	2.08	25.895	.372
90.	15.128	34.986	1.89	25.950	.393
100.	14.785	34.990	1.90	26.028	.413
110.	14.622	34.979	1.90	26.055	.434
120.	14.242	34.960	1.87	26.122	.453
130.	13.995	34.949	1.84	26.166	.472
140.	13.854	34.946	1.78	26.193	.491
150.	13.668	34.937	1.69	26.225	.510
160.	13.491	34.931	1.64	26.257	.528
170.	13.323	34.926	1.78	26.288	.546
180.	13.182	34.917	1.74	26.309	.564
190.	13.079	34.911	1.52	26.326	.581
200.	13.006	34.907	1.45	26.337	.599
250.	12.575	34.882	1.01	26.404	.685
300.	11.841	34.831	.74	26.506	.768
350.	10.804	34.753	.99	26.637	.846
400.	10.067	34.697	1.53	26.723	.918
450.	9.326	34.667	1.36	26.824	.987
500.	8.512	34.641	.64	26.934	1.051
506.	8.464	34.640	.46	26.940	

CAST EP2-81-0C-018 DATE 04 MAR 81 TIME 1557 GMT
LAT 03 32.ON LONG 110 00.OW



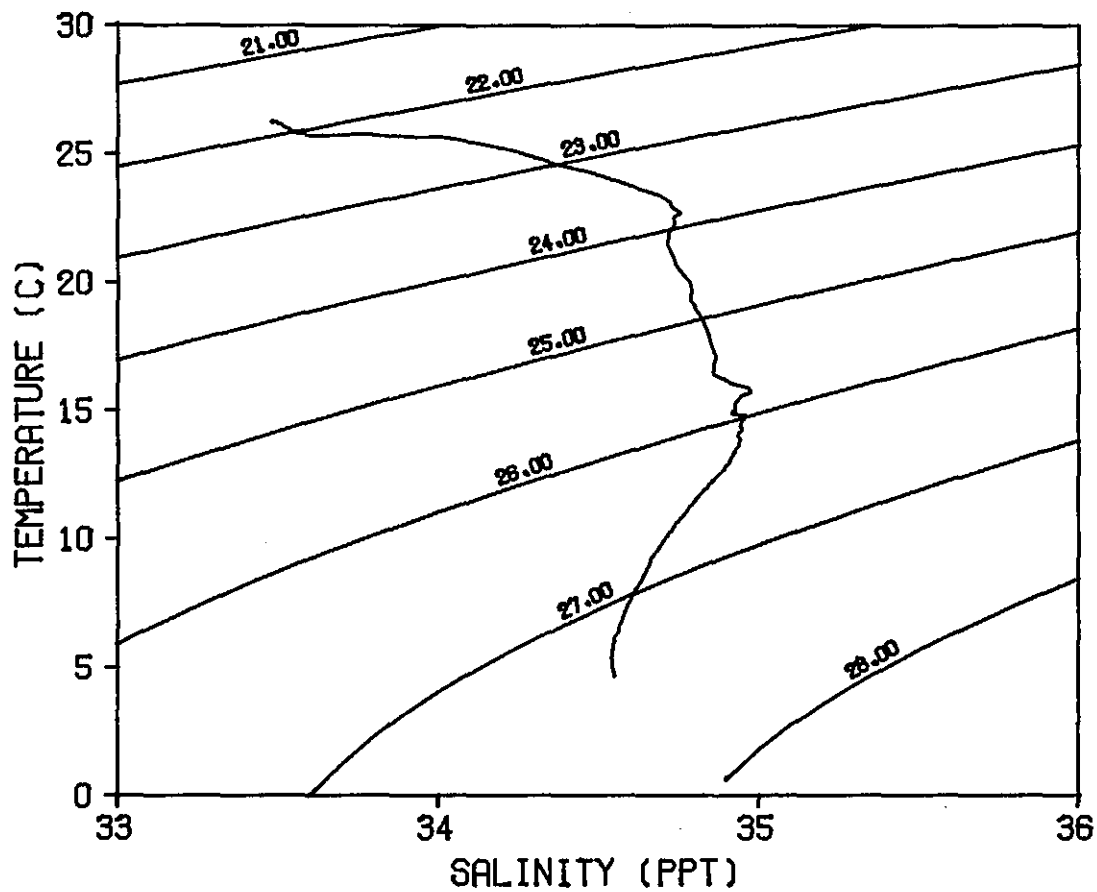
357



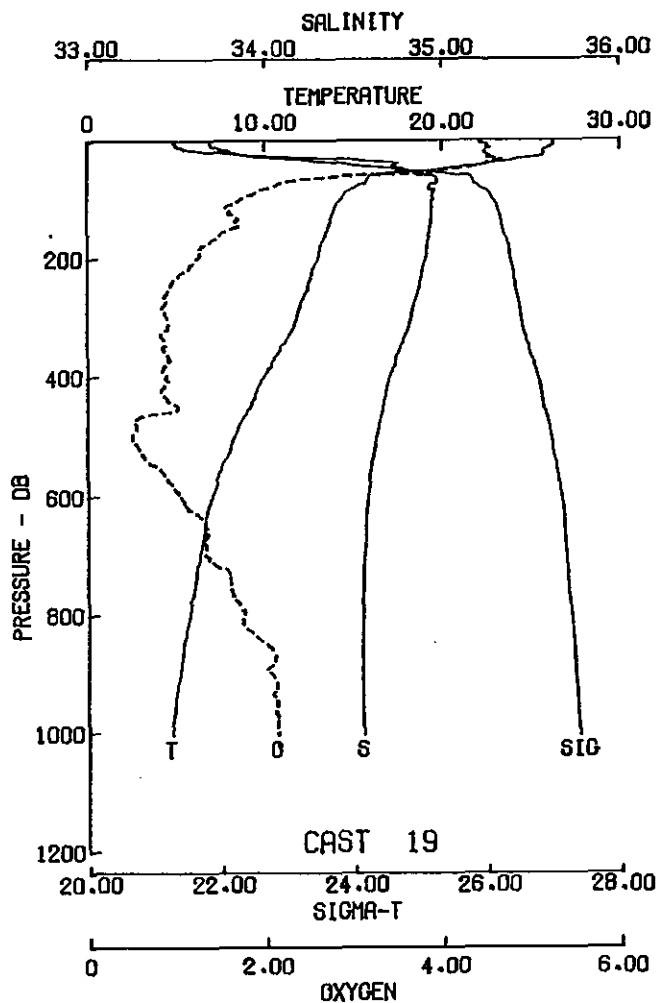
CAST EP2-81-OC-018 DATE 04 MAR 81 TIME 1557 GMT
 LAT 03 32.0N LONG 110 00.0W WEATHER 6 SEA STATE 3
 BAROMETER 13 WIND DIR 350 T SPD 09 KT VISIBILITY 6
 CLOUD 8 AMOUNT 8 DRY 23.9 WET 23.7 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.861	33.353	4.64	21.543	0.000
3.	26.747	33.371	4.65	21.592	
10.	26.515	33.423	4.70	21.704	.062
20.	26.290	33.600	4.72	21.908	.122
30.	26.002	33.972	4.75	22.277	.180
40.	24.807	34.373	4.83	22.945	.231
50.	24.930	34.689	4.87	23.147	.280
60.	21.118	34.681	4.86	24.237	.322
70.	17.173	34.813	2.71	25.347	.354
80.	15.783	34.948	2.27	25.774	.378
90.	15.249	34.993	2.05	25.929	.400
100.	14.752	34.951	1.92	26.005	.421
110.	14.395	34.948	1.87	26.081	.441
120.	14.101	34.952	1.87	26.146	.460
130.	13.929	34.944	1.84	26.177	.479
140.	13.885	34.944	1.85	26.185	.498
150.	13.738	34.943	1.82	26.215	.517
160.	13.525	34.930	1.89	26.249	.535
170.	13.424	34.925	1.70	26.266	.553
180.	13.323	34.921	1.64	26.283	.571
190.	13.193	34.917	1.65	26.307	.589
200.	13.123	34.913	1.65	26.318	.607
250.	12.644	34.885	1.66	26.392	.694
300.	11.945	34.835	1.62	26.490	.777
350.	10.989	34.763	1.22	26.611	.856
400.	10.047	34.703	1.63	26.731	.929
450.	9.592	34.679	1.54	26.789	.998
500.	8.728	34.647	.85	26.904	1.063
550.	8.103	34.621	.56	26.980	1.124
600.	7.412	34.591	.88	27.059	1.181
613.	7.198	34.585	.89	27.085	

CAST EP2-81-0C-019 DATE 04 MAR 81 TIME 2154 GMT
LAT 02 57.8N LONG 110 03.7W



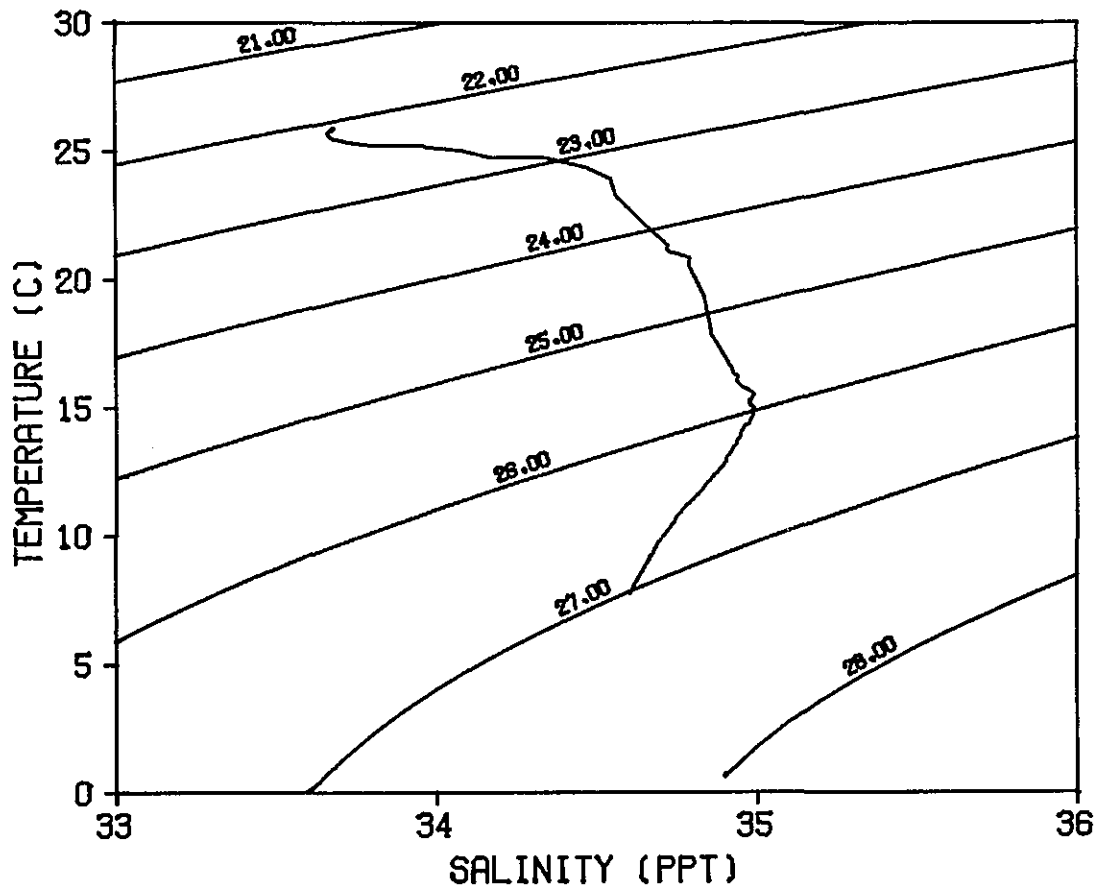
359



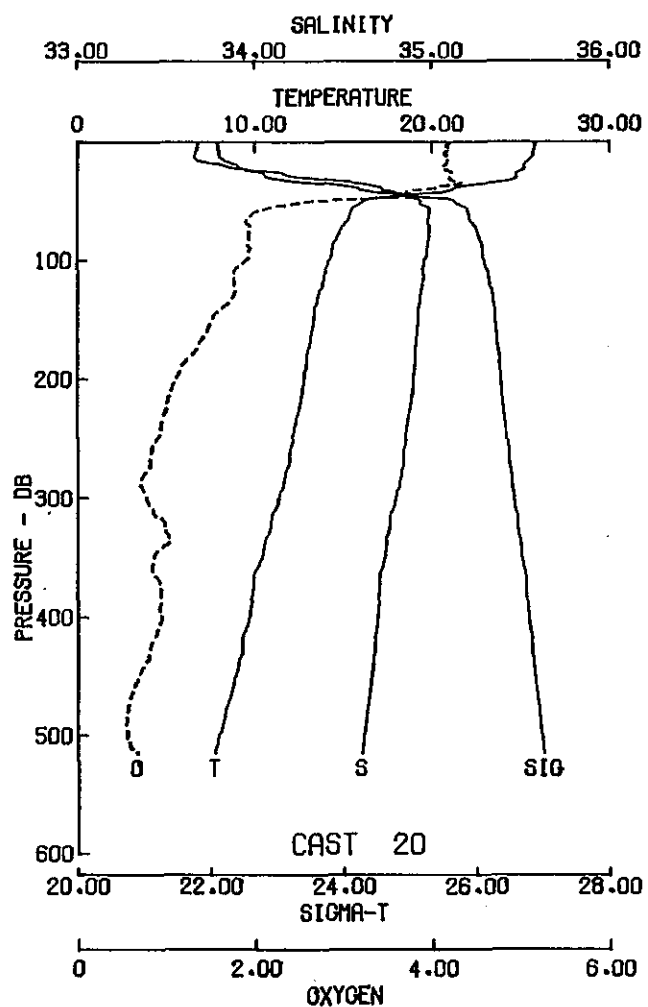
CAST EP2-81-0C-019 DATE 04 MAR 81 TIME 2154 GMT
 LAT 02 57.8N LONG 110 03.7W WEATHER 5 SEA STATE 3
 BAROMETER 12 WIND DIR 200 T SPD 09 KT VISIBILITY 7
 CLOUD 8 AMOUNT 8 DRY 23.5 WET 23.1 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.245	33.470	4.29	21.824	0.000
4.	26.243	33.484	4.43	21.835	
10.	26.199	33.496	4.50	21.857	.060
20.	25.716	33.697	4.47	22.159	.118
30.	25.074	34.244	4.57	22.767	.173
40.	22.699	34.755	4.51	23.853	.218
50.	19.944	34.787	4.09	24.632	.256
60.	16.023	34.921	3.01	25.298	.284
70.	15.732	34.976	2.25	25.807	.306
80.	15.135	34.927	2.06	25.903	.328
90.	14.532	34.948	1.88	26.051	.348
100.	14.356	34.945	1.72	26.087	.368
110.	14.019	34.937	1.62	26.151	.388
120.	13.894	34.942	1.59	26.182	.406
130.	13.755	34.941	1.66	26.210	.425
140.	13.674	34.939	1.67	26.225	.444
150.	13.566	34.933	1.63	26.243	.462
160.	13.436	34.928	1.50	26.264	.480
170.	13.243	34.918	1.39	26.298	.498
180.	13.077	34.910	1.27	26.325	.516
190.	13.015	34.908	1.23	26.336	.533
200.	12.978	34.906	1.23	26.342	.551
250.	12.382	34.869	.91	26.431	.636
300.	11.778	34.823	.89	26.512	.717
350.	10.871	34.763	.85	26.593	.795
400.	9.884	34.700	.89	26.673	.868
450.	9.192	34.665	1.00	26.744	.934
500.	8.253	34.628	.50	26.864	.996
550.	7.529	34.597	.78	27.047	1.054
600.	6.989	34.578	1.05	27.108	1.108
650.	6.569	34.564	1.32	27.155	1.160
700.	6.281	34.558	1.33	27.188	1.210
750.	6.006	34.551	1.61	27.218	1.259
800.	5.667	34.546	1.75	27.257	1.306
850.	5.320	34.544	2.01	27.296	1.351
900.	5.149	34.543	2.05	27.317	1.395
950.	4.859	34.546	2.13	27.353	1.438
1000.	4.660	34.551	2.14	27.379	1.479
1003.	4.655	34.551	2.13	27.380	

CAST EP2-81-OC-020 DATE 05 MAR 81 TIME 0837 GMT
LAT 02 32.6N LONG 110 03.1W



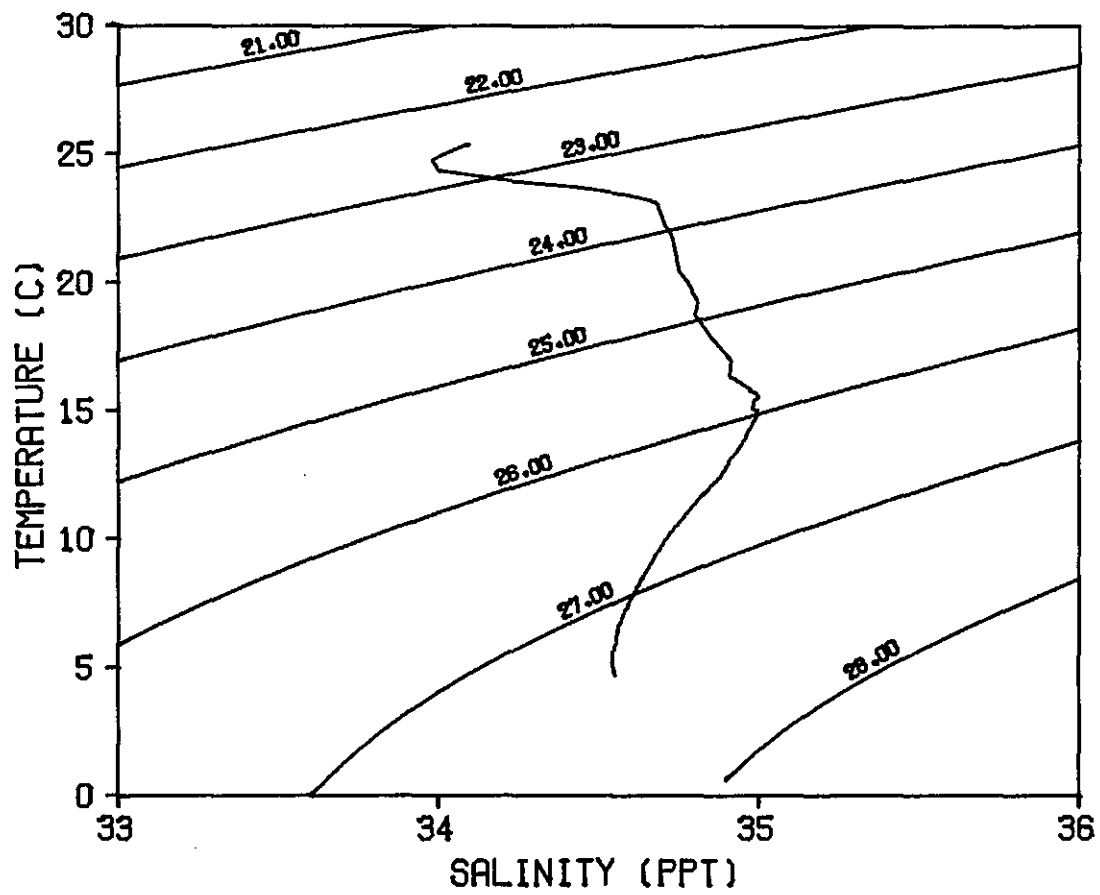
361



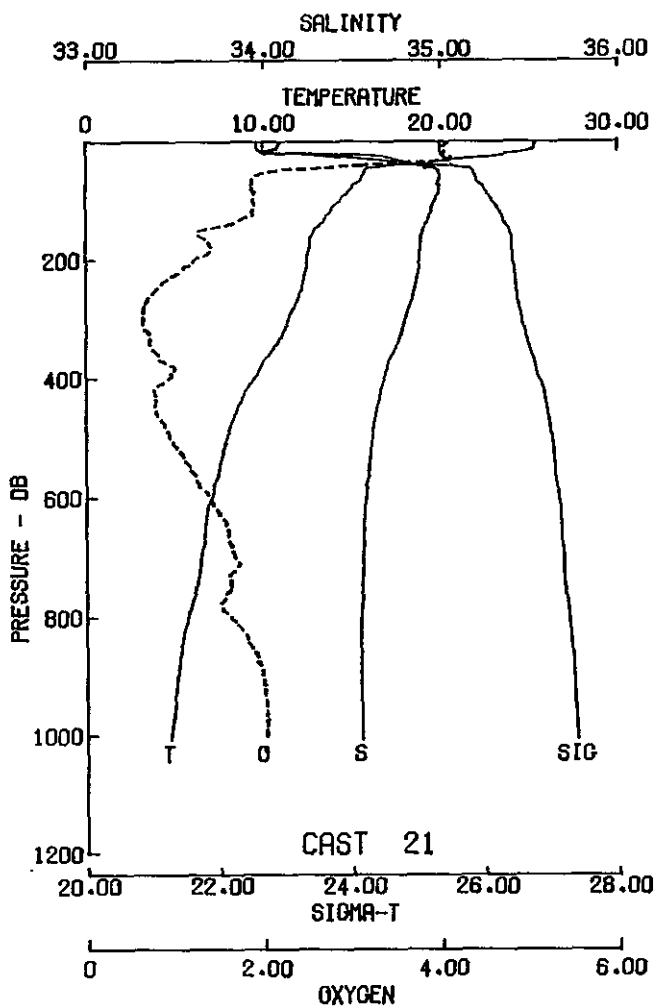
CAST EP2-81-DC-020 DATE 05 MAR 81 TIME 0837 GMT
 LAT 02 32.6N LONG 110 03.1W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 170 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 25.0 WET 24.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.883	33.685	4.17	22.098	0.000
1.	25.866	33.683	4.20	22.102	
10.	25.692	33.666	4.14	22.142	.057
20.	25.204	33.827	4.15	22.413	.113
30.	24.763	34.240	4.23	22.859	.166
40.	21.222	34.722	3.98	24.240	.209
50.	16.198	34.942	2.70	25.675	.239
60.	15.419	34.988	2.00	25.886	.262
70.	15.092	34.979	1.93	25.952	.283
80.	14.706	34.988	1.94	26.044	.303
90.	14.432	34.978	1.96	26.096	.323
100.	14.226	34.960	1.91	26.126	.342
110.	13.978	34.949	1.78	26.170	.361
120.	13.822	34.946	1.77	26.200	.380
130.	13.562	34.934	1.76	26.245	.398
140.	13.389	34.924	1.64	26.272	.416
150.	13.336	34.922	1.52	26.282	.434
160.	13.222	34.916	1.46	26.300	.452
170.	13.135	34.911	1.38	26.314	.470
180.	12.962	34.905	1.28	26.344	.487
190.	12.914	34.904	1.17	26.353	.505
200.	12.807	34.897	1.11	26.370	.522
250.	11.161	34.853	.89	26.462	.606
300.	11.364	34.795	.77	26.568	.686
350.	10.438	34.736	.86	26.688	.760
400.	9.680	34.692	.94	26.784	.830
450.	8.910	34.657	.70	26.884	.895
500.	7.967	34.615	.57	26.997	.956
515.	7.752	34.606	.68	27.021	

CAST EP2-81-0C-021 DATE 05 MAR 81 TIME 1330 GMT
LAT 01 57.2N LONG 110 02.3W

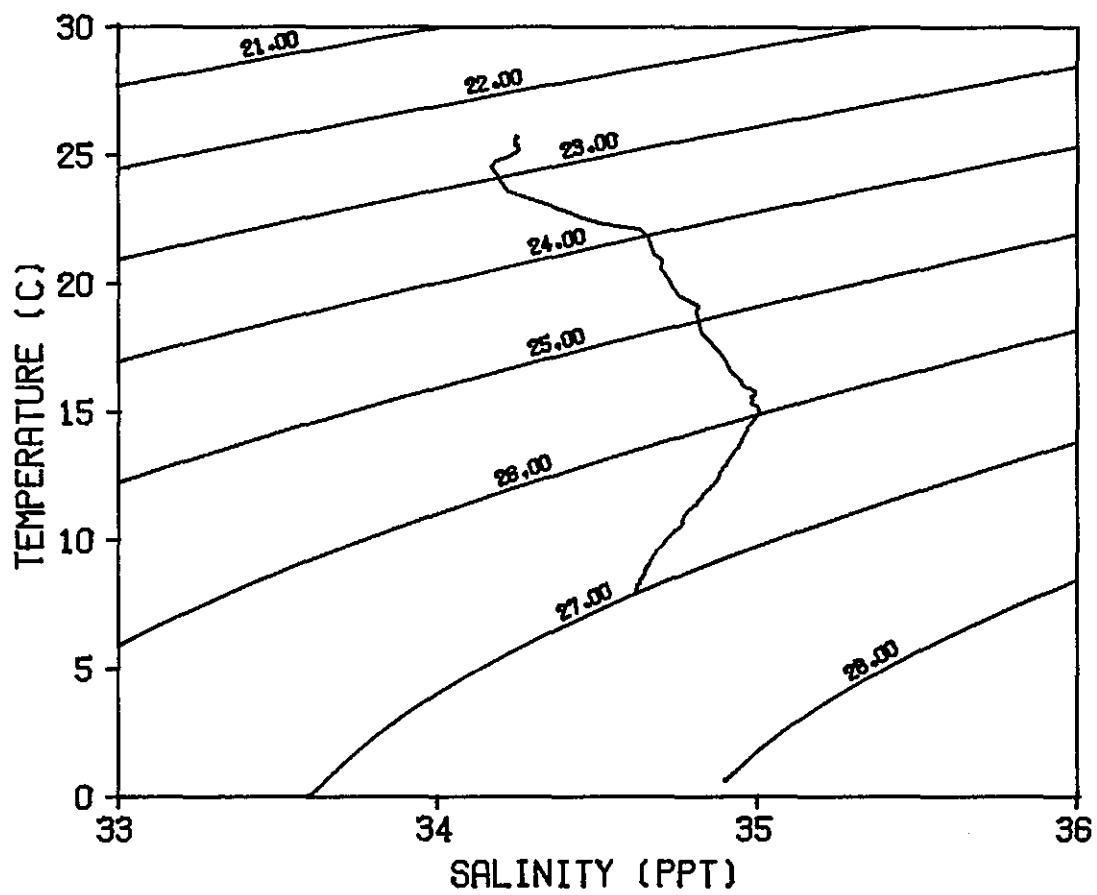


CAST EP2-81-DC-021 DATE 05 MAR 81 TIME 1330 GMT
 LAT 01 57.2N LONG 110 02.3W WEATHER 2 SEA STATE 2
 BARMETER 11 WIND DIR 140 T SPD 08 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 24.7 WET 23.5 DEPTH M

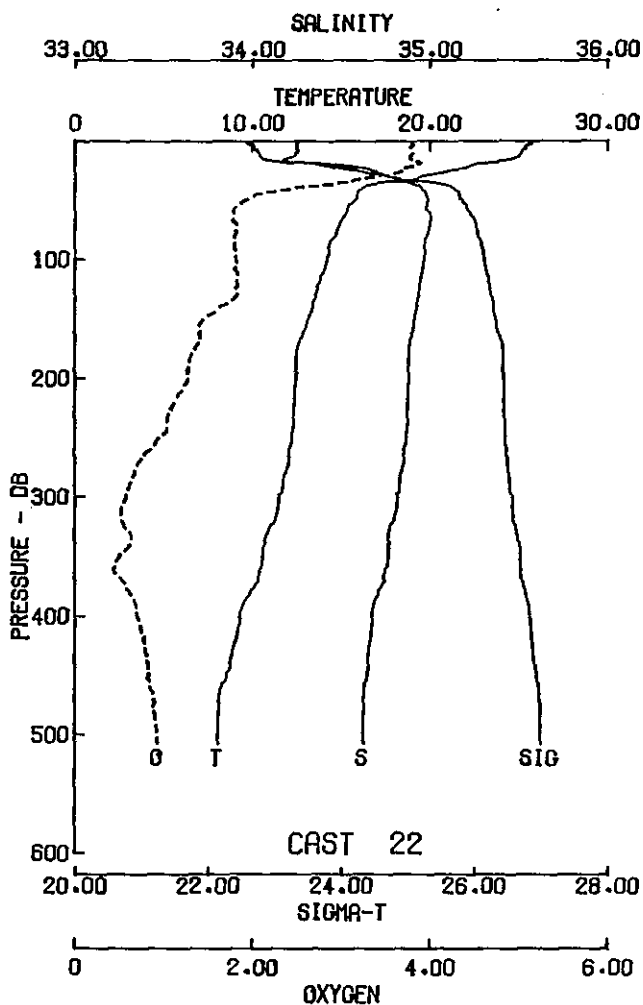


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.387	34.100	4.10	22.563	0.000
2.	25.365	34.093	4.09	22.563	
10.	25.307	34.077	4.03	22.570	.053
20.	23.946	34.239	4.04	23.100	.105
30.	21.222	34.737	4.03	24.252	.147
40.	17.819	34.854	3.11	25.222	.180
50.	15.713	34.987	2.10	25.820	.203
60.	15.548	35.001	1.89	25.867	.225
70.	15.270	34.987	1.88	25.920	.246
80.	14.947	34.993	1.87	25.995	.267
90.	14.639	34.987	1.90	26.058	.287
100.	14.344	34.974	1.87	26.111	.307
110.	13.906	34.955	1.89	26.149	.326
120.	13.708	34.947	1.86	26.224	.344
130.	13.444	34.931	1.77	26.267	.362
140.	13.150	34.914	1.56	26.313	.380
150.	12.828	34.900	1.27	26.368	.397
160.	12.648	34.891	1.29	26.396	.414
170.	12.607	34.889	1.38	26.402	.431
180.	12.582	34.887	1.40	26.406	.448
190.	12.487	34.888	1.37	26.421	.465
200.	12.452	34.888	1.22	26.428	.481
250.	12.129	34.855	.78	26.469	.564
300.	11.430	34.804	.64	26.562	.643
350.	10.550	34.743	.75	26.675	.719
400.	9.471	34.681	.92	26.811	.788
450.	8.522	34.638	.77	26.930	.851
500.	7.897	34.611	.94	27.004	.911
550.	7.499	34.594	1.16	27.049	.967
600.	7.073	34.576	1.38	27.096	1.022
650.	6.669	34.559	1.59	27.142	1.074
700.	6.424	34.556	1.68	27.168	1.125
750.	6.152	34.555	1.65	27.202	1.175
800.	5.692	34.547	1.62	27.254	1.222
850.	5.316	34.544	1.87	27.298	1.268
900.	5.077	34.545	1.99	27.327	1.311
950.	4.932	34.547	2.02	27.346	1.354
1000.	4.727	34.551	2.05	27.375	1.396
1006.	4.699	34.551	2.00	27.375	

CAST EP2-81-0C-022 DATE 05 MAR 81 TIME 2344 GMT
LAT 01 31.7N LONG 110 02.0W

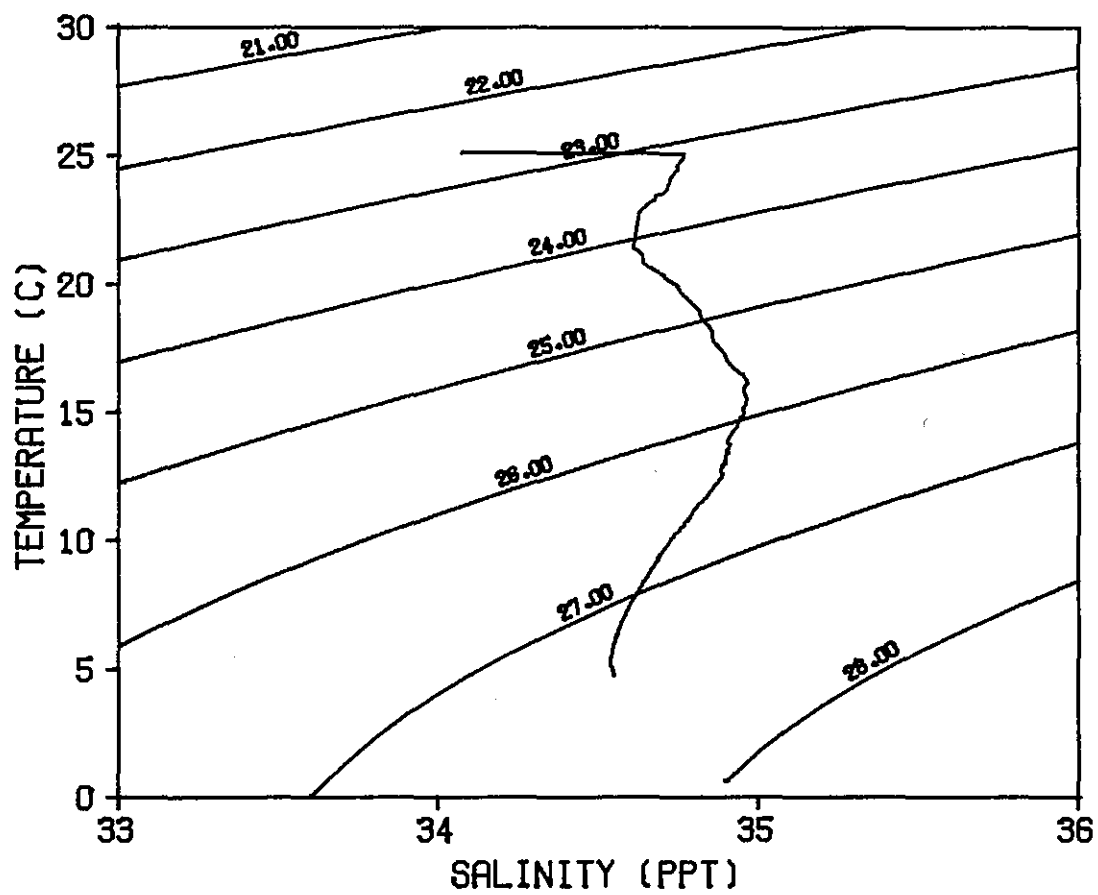


CAST EP2-81-DC-022 DATE 05 MAR 81 TIME 2344 GMT
 LAT 01 31.7N LONG 110 02.0W WEATHER 1 SEA STATE 1
 BAROMETER 09 WIND DIR 170 T SPD 06 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 27.4 WET 25.3 DEPTH M

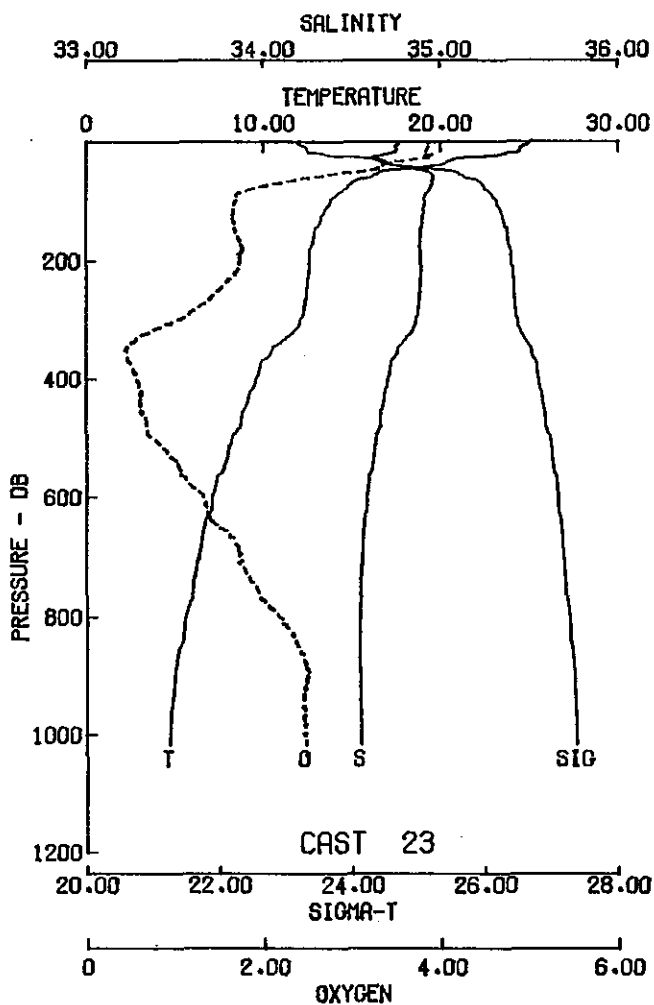


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.738	34.244	3.82	22.564	0.000
2.	25.677	34.247	3.79	22.585	
10.	25.114	34.248	3.80	22.758	.052
20.	22.580	34.446	3.86	23.652	.101
30.	19.546	34.755	3.40	24.711	.138
40.	16.153	34.950	2.47	25.691	.166
50.	15.755	34.993	1.92	25.815	.188
60.	15.260	34.990	1.79	25.924	.210
70.	14.878	35.000	1.82	26.016	.230
80.	14.661	34.986	1.80	26.092	.250
90.	14.282	34.970	1.80	26.121	.270
100.	14.170	34.965	1.81	26.141	.289
110.	13.983	34.956	1.81	26.174	.308
120.	13.746	34.946	1.82	26.216	.327
130.	13.518	34.934	1.82	26.254	.345
140.	13.339	34.922	1.82	26.288	.363
150.	13.116	34.910	1.84	26.317	.381
160.	12.909	34.900	1.83	26.351	.398
170.	12.558	34.883	1.83	26.380	.415
180.	12.433	34.879	1.83	26.409	.432
190.	12.420	34.878	1.82	26.433	.448
200.	12.394	34.877	1.82	26.455	.465
250.	12.189	34.865	.95	26.466	.547
300.	11.472	34.814	.57	26.562	.627
350.	10.551	34.761	.50	26.688	.709
400.	9.273	34.673	.70	26.888	.777
450.	8.527	34.643	.63	26.933	.835
500.	8.040	34.623	.93	26.992	.893
507.	8.028	34.622	.94	26.993	

CAST EP2-81-0C-023 DATE 06 MAR 81 TIME 0419 GMT
LAT 01 00.6N LONG 109 59.9W

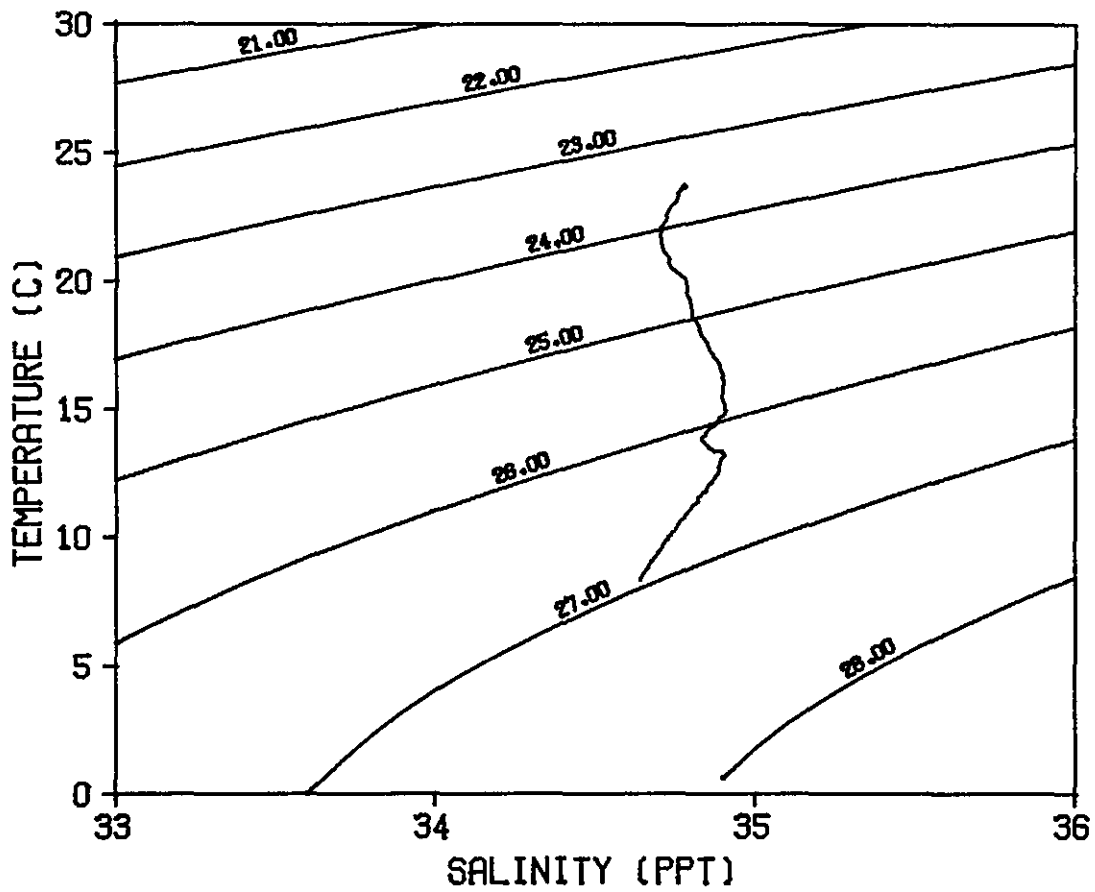


CAST EP2-81-0C-023 DATE 06 MAR 81 TIME 0419 GMT
 LAT 01 00.6N LONG 109 59.9W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 160 T SPD 09 KT VISIBILITY 8
 CLOUD 8 AMOUNT 6 DRY 25.0 WET 23.9 DEPTH M

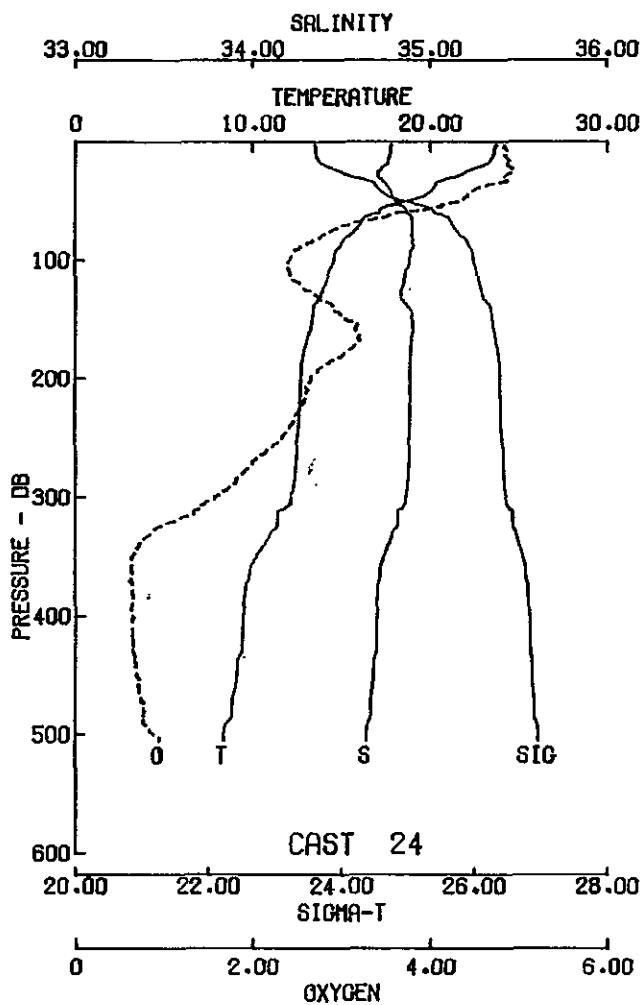


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.132	34.075	4.10	22.622	0.000
10.	24.552	34.747	3.866	23.304	0.047
20.	23.677	34.717	3.90	23.541	0.092
30.	20.685	34.653	3.70	23.333	0.133
40.	19.954	34.455	3.36	23.997	0.168
50.	19.733	34.420	3.13	23.933	0.197
60.	16.107	34.965	3.57	23.713	0.221
70.	14.990	34.957	3.16	23.958	0.242
80.	14.677	34.939	1.866	22.012	0.263
90.	14.118	34.916	1.69	22.115	0.283
100.	13.776	34.910	1.69	22.181	0.302
110.	13.625	34.909	1.66	22.212	0.320
120.	13.431	34.908	1.66	22.252	0.338
130.	13.265	34.899	1.66	22.279	0.356
140.	13.15	34.895	1.67	22.302	0.374
150.	12.89	34.888	1.69	22.345	0.392
160.	12.870	34.887	1.72	22.349	0.409
170.	12.820	34.885	1.74	22.357	0.426
180.	12.667	34.883	1.77	22.386	0.443
190.	12.610	34.888	1.71	22.401	0.460
200.	12.605	34.888	1.74	22.403	0.477
250.	12.411	34.881	1.50	22.435	0.561
300.	12.068	34.860	1.08	22.485	0.644
350.	10.511	34.758	0.45	22.693	0.721
400.	9.603	34.704	0.56	22.807	0.790
450.	8.951	34.675	0.61	22.891	0.855
500.	8.197	34.634	0.73	22.977	0.916
550.	7.757	34.613	1.05	22.026	0.974
600.	7.080	34.583	1.31	22.100	1.029
650.	6.658	34.567	1.51	22.146	1.082
700.	6.359	34.560	1.73	22.179	1.132
750.	6.040	34.551	1.92	22.14	1.181
800.	5.579	34.542	2.18	22.14	1.228
850.	5.287	34.540	2.39	22.298	1.274
900.	4.967	34.545	2.49	22.340	1.317
950.	4.834	34.547	2.45	22.357	1.359
1000.	4.719	34.550	2.45	22.372	1.400
1016.	4.702	34.550	2.48	22.374	

CAST EP2-81-0C-024 DATE 06 MAR 81 TIME 1844 GMT
LAT 00 31.3N LONG 109 58.9W

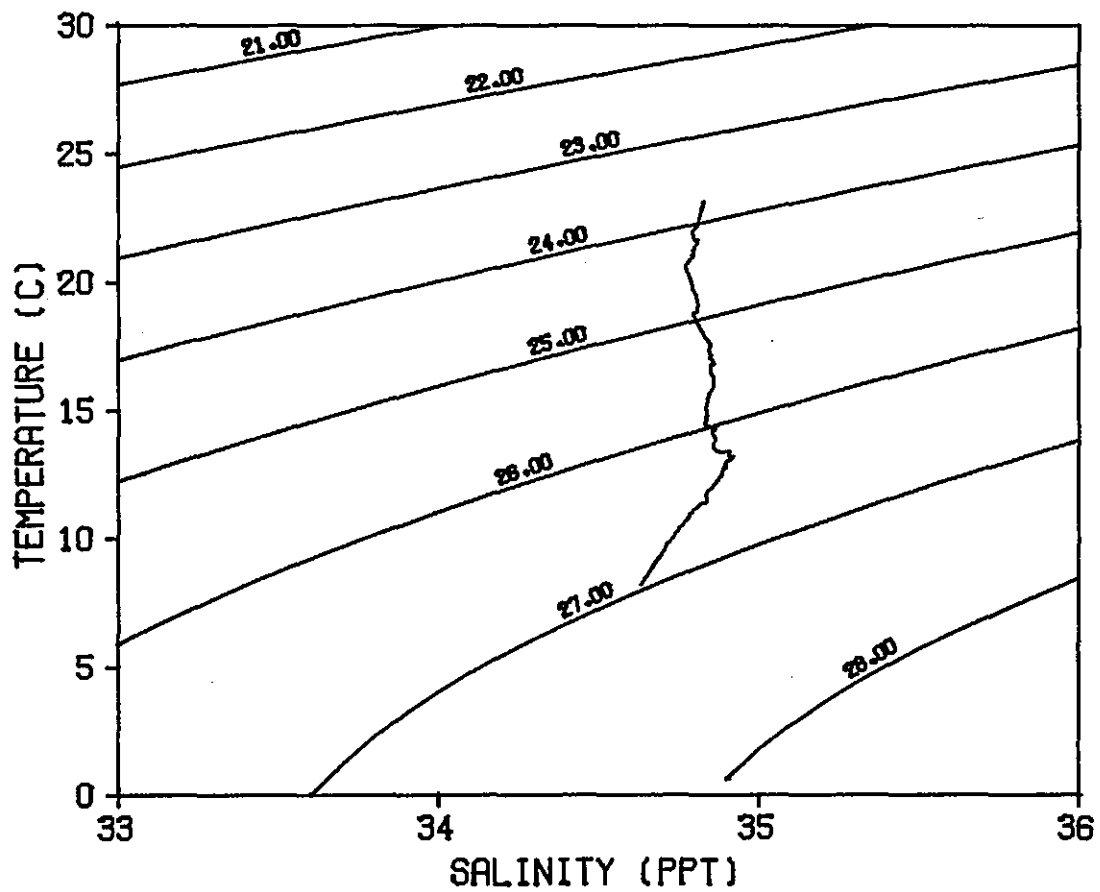


CAST EP2-81-0C-024 DATE 06 MAR 81 TIME 1844 GMT
 LAT 00 31.3N LONG 109 58.9W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 150 T SPD 05 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 28.4 WET 25.4 DEPTH M

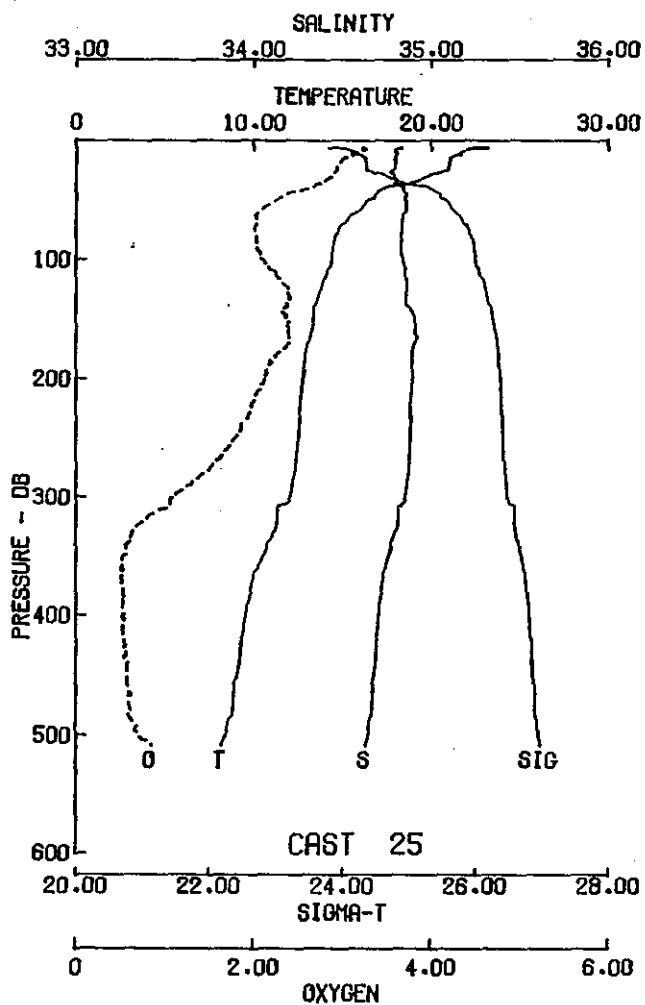


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	23.726	34.781	4.80	23.575	0.000
3.	23.683	34.780	4.84	23.586	
10.	23.607	34.772	4.85	23.603	.043
20.	23.081	34.754	4.88	23.742	.086
30.	21.466	34.705	4.84	24.160	.125
40.	20.160	34.770	4.51	24.562	.160
50.	18.926	34.801	4.33	24.905	.193
60.	17.140	34.871	3.67	25.399	.221
70.	16.051	34.902	3.09	25.677	.245
80.	15.490	34.895	2.77	25.799	.268
90.	14.868	34.906	2.52	25.946	.290
100.	14.586	34.887	2.42	25.992	.310
110.	14.287	34.863	2.41	26.038	.330
120.	14.087	34.849	2.52	26.069	.350
130.	13.792	34.835	2.72	26.121	.370
140.	13.383	34.877	2.90	26.237	.389
150.	13.341	34.895	3.04	26.260	.407
160.	13.213	34.905	3.16	26.294	.425
170.	13.005	34.893	3.27	26.327	.443
180.	12.838	34.889	3.03	26.356	.460
190.	12.727	34.886	2.80	26.377	.477
200.	12.702	34.886	2.65	26.382	.494
250.	12.507	34.883	2.33	26.418	.579
300.	12.145	34.862	1.56	26.472	.663
350.	10.221	34.741	.63	26.730	.739
400.	9.447	34.700	.63	26.830	.806
450.	9.103	34.680	.69	26.870	.871
500.	8.351	34.641	.87	26.958	.933
505.	8.345	34.640	.94	26.958	

CAST EP2-81-0C-025 DATE 06 MAR 81 TIME 2254 GMT
LAT 00 15.9N LONG 109 58.5W

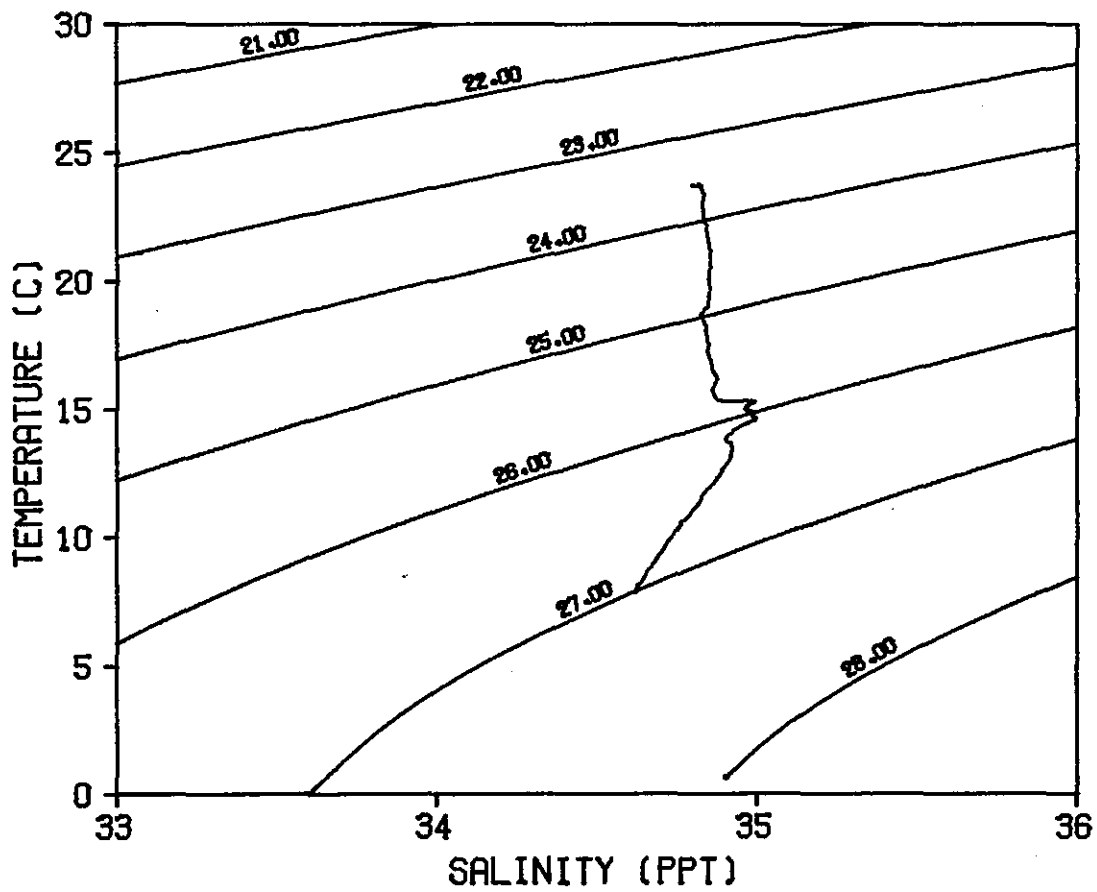


CAST EP2-81-DC-025 DATE 06 MAR 81 TIME 2254 GMT
 LAT 00 15.9N LONG 109 58.5W WEATHER 1 SEA STATE 1
 BAROMETER 09 WIND DIR 160 T SPD 05 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 25.2 WET 24.1 DEPTH M

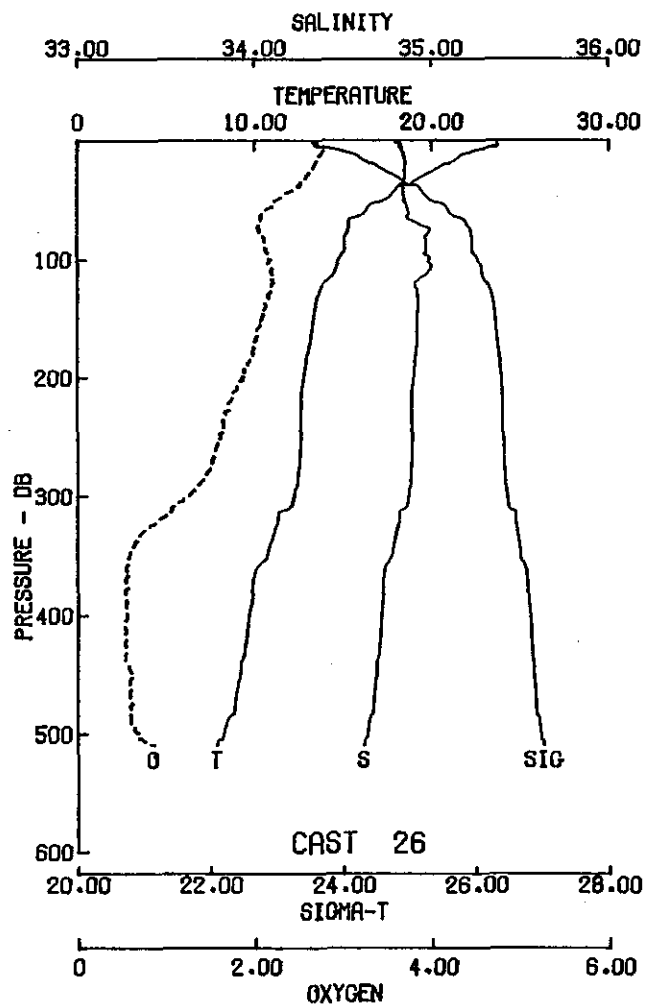


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	28.481	34.939	2.96	22.209	0.000
6.	23.094	34.827	3.22	23.793	
10.	21.634	34.803	3.15	24.188	.045
20.	21.003	34.795	3.96	24.355	.081
30.	19.837	34.793	3.69	24.664	.116
40.	17.371	34.846	3.63	25.324	.146
50.	16.371	34.854	3.25	25.567	.172
60.	15.814	34.855	3.05	25.695	.195
70.	15.041	34.833	3.02	25.851	.218
80.	14.644	34.834	3.02	25.939	.239
90.	14.437	34.831	3.04	25.981	.260
100.	14.379	34.842	3.11	26.002	.280
110.	14.163	34.854	3.25	26.057	.301
120.	13.853	34.863	3.32	26.129	.320
130.	13.628	34.859	3.41	26.173	.339
140.	13.385	34.885	3.35	26.243	.358
150.	13.374	34.912	3.37	26.266	.376
160.	13.251	34.909	3.39	26.289	.394
170.	13.062	34.906	3.39	26.325	.412
180.	12.904	34.896	3.24	26.349	.429
190.	12.849	34.894	3.16	26.359	.446
200.	12.774	34.896	3.12	26.375	.464
250.	12.531	34.884	3.79	26.414	.548
300.	12.051	34.858	4.04	26.487	.632
350.	10.547	34.763	4.54	26.690	.708
400.	9.560	34.707	4.53	26.816	.776
450.	9.103	34.681	4.58	26.871	.841
500.	8.430	34.645	4.70	26.950	.903
508.	8.191	34.632	4.85	26.976	

CAST EP2-81-0C-026 DATE 07 MAR 81 TIME 0107 GMT
LAT 00 00.7N LONG 109 55.5W

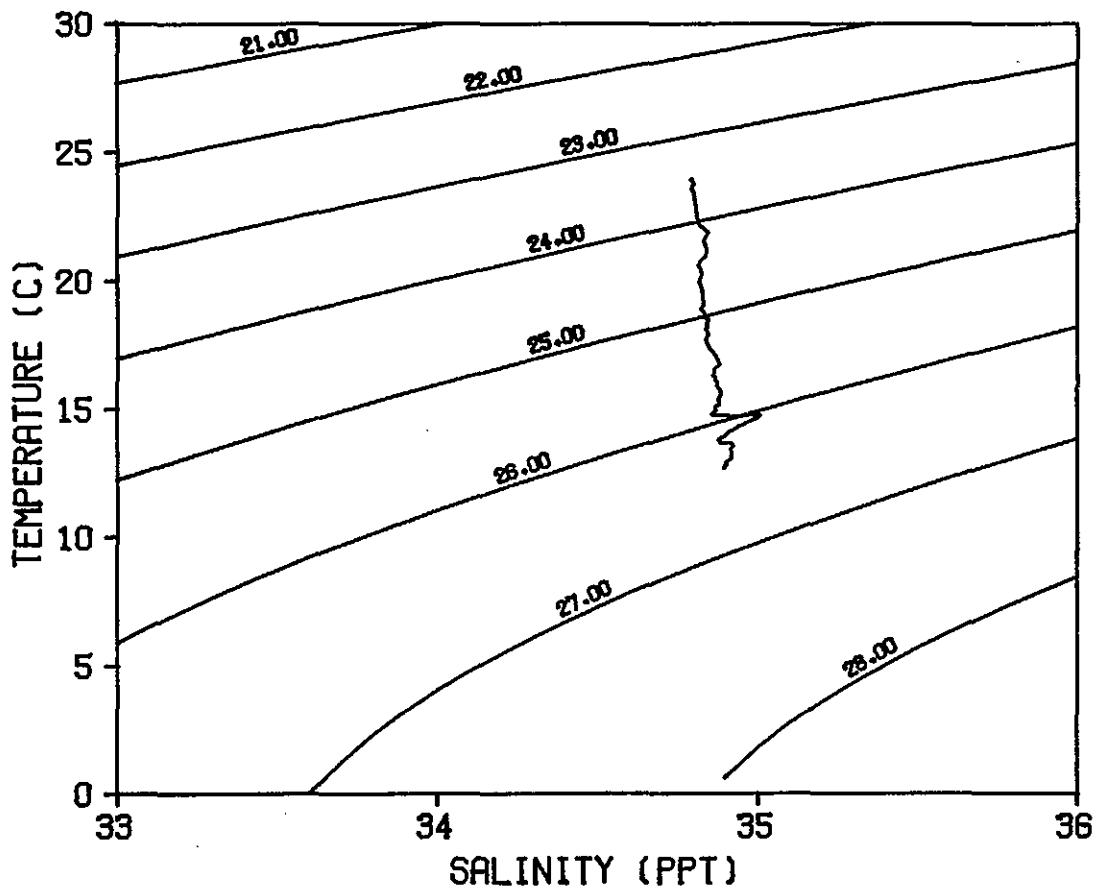


CAST EP2-81-OC-026 DATE 07 MAR 81 TIME 0107 GMT
 LAT 00.00.7N LONG 109 55.5W WEATHER 1 SEA STATE 1
 BAROMETER 10 WIND DIR 140 T SPD 06 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 25.1 WET 23.9 DEPTH M

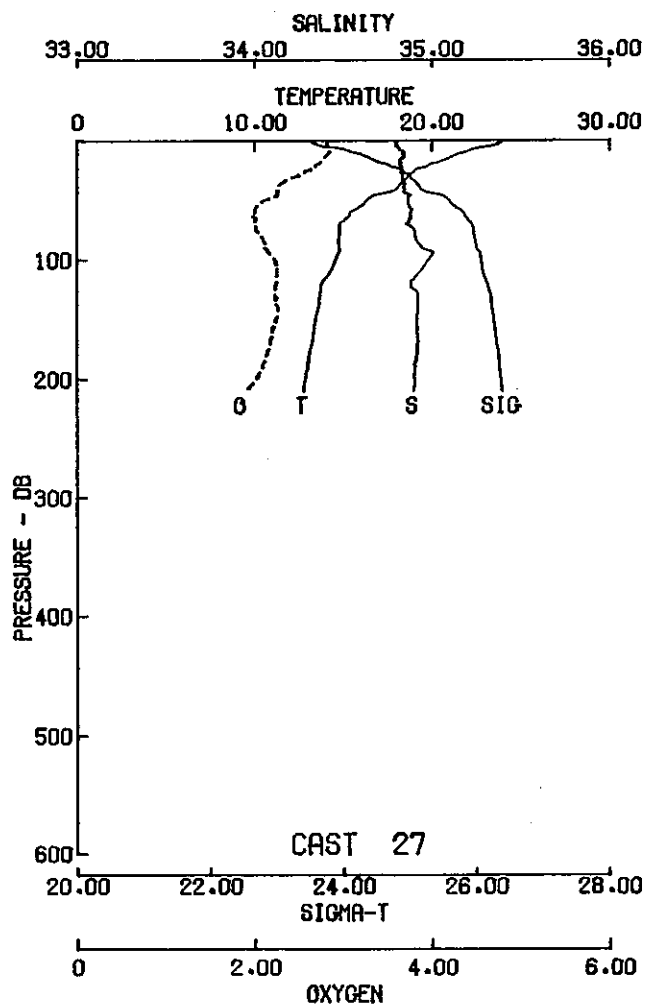


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	23.959	34.804	2.63	23.523	0.000
1.	23.707	34.799	2.66	23.594	
10.	22.148	34.842	2.76	24.075	.042
20.	20.724	34.853	2.68	24.474	.078
30.	19.508	34.851	2.58	24.794	.112
40.	18.016	34.840	2.45	25.162	.142
50.	17.367	34.846	2.25	25.325	.170
60.	16.278	34.870	2.08	25.601	.194
70.	15.299	34.931	2.04	25.870	.217
80.	15.128	34.966	2.10	25.935	.238
90.	15.085	34.971	2.11	25.948	.259
100.	14.748	34.989	2.19	26.036	.280
110.	14.508	34.983	2.18	26.083	.300
120.	13.874	34.902	2.21	26.155	.319
130.	13.557	34.920	2.14	26.233	.338
140.	13.402	34.923	2.11	26.269	.356
150.	13.296	34.919	2.07	26.287	.374
160.	13.210	34.917	2.01	26.304	.392
170.	13.112	34.917	2.00	26.323	.409
180.	12.952	34.910	1.98	26.350	.427
190.	12.862	34.905	1.93	26.364	.444
200.	12.756	34.899	1.85	26.381	.461
250.	12.580	34.889	1.60	26.408	.546
300.	12.196	34.869	1.23	26.467	.630
350.	10.696	34.774	.58	26.673	.706
400.	9.624	34.712	.55	26.810	.775
450.	9.146	34.686	.60	26.868	.840
500.	8.228	34.637	.68	26.974	.902
509.	7.841	34.618	.86	27.018	

CAST EP2-81-0C-027 DATE 07 MAR 81 TIME 0221 GMT
LAT 00 05.0N LONG 109 55.0W

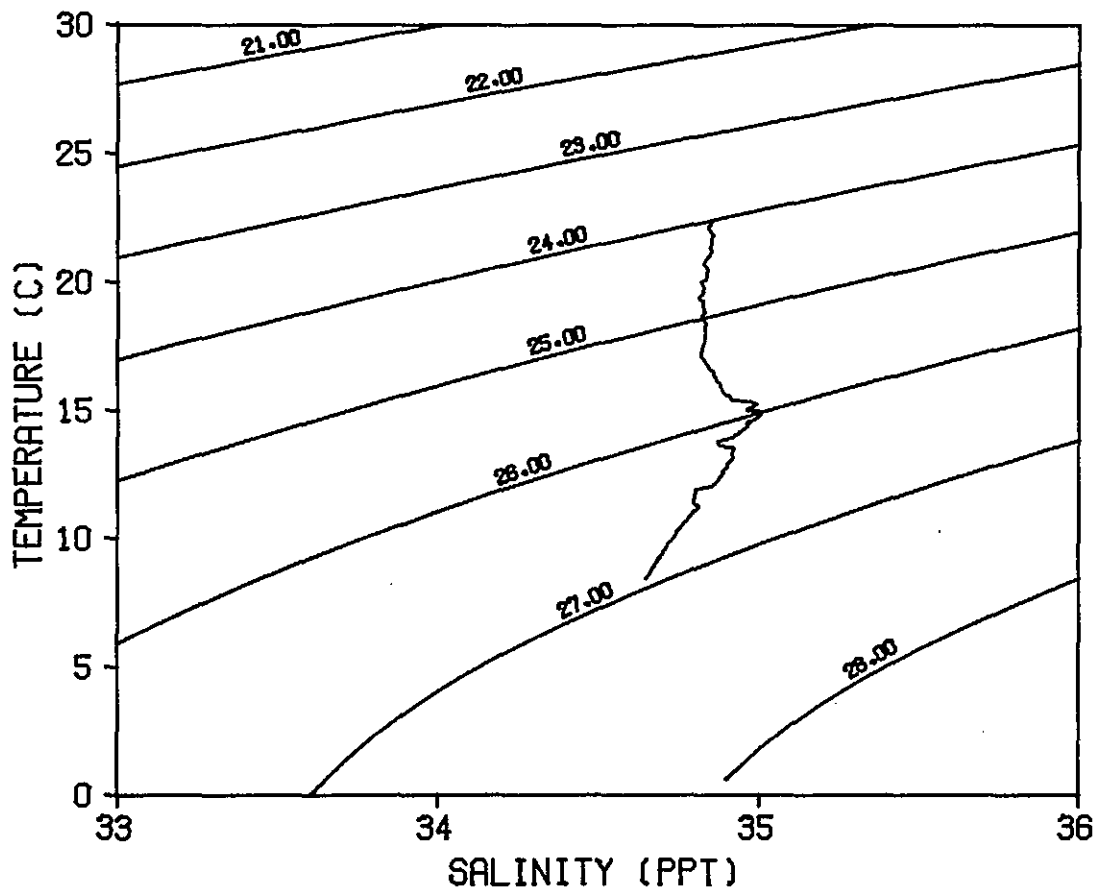


CAST EP2-81-DC-027 DATE 07 MAR 81 TIME 0221 GMT
 LAT 00 05.0N LONG 109 55.0W WEATHER 1 SEA STATE 1
 BAROMETER 10 WIND DIR 140 T SPD 06 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 25.1 WET 23.9 DEPTH M

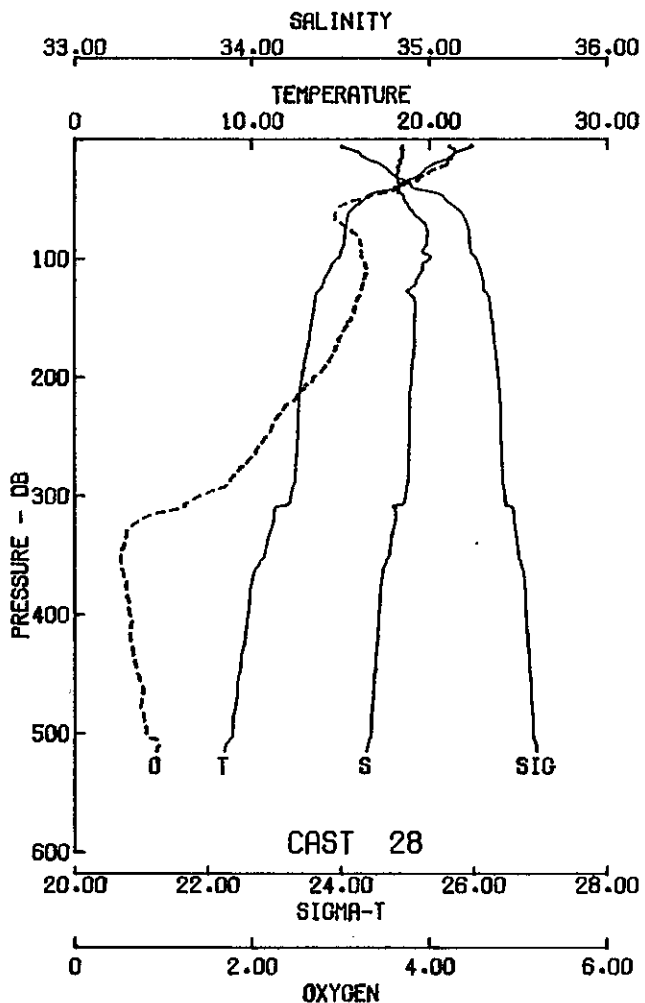


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.379	34.788	2.79	23.387	0.000
1.	23.923	34.792	2.82	23.525	
10.	21.848	34.847	2.83	24.162	.041
20.	19.936	34.818	2.71	24.657	.077
30.	18.625	34.833	2.47	25.006	.108
40.	18.039	34.840	2.27	25.157	.137
50.	16.322	34.860	2.12	25.583	.163
60.	15.438	34.883	2.00	25.802	.186
70.	14.759	34.857	2.01	25.932	.208
80.	14.734	34.908	2.05	25.976	.229
90.	14.742	34.946	2.12	26.004	.249
100.	14.536	34.981	2.23	26.075	.269
110.	14.235	34.931	2.25	26.101	.289
120.	13.757	34.882	2.24	26.164	.308
130.	13.641	34.919	2.23	26.217	.327
140.	13.562	34.922	2.26	26.236	.345
150.	13.397	34.917	2.24	26.285	.363
160.	13.304	34.918	2.19	26.325	.381
170.	13.202	34.919	2.18	26.307	.399
180.	13.035	34.914	2.12	26.336	.417
190.	12.946	34.904	2.09	26.347	.434
200.	12.818	34.899	2.01	26.369	.451
210.	12.718	34.895	1.85	26.386	

CAST EP2-81-0C-028 DATE 07 MAR 81 TIME 1841 GMT
LAT 00 04.4N LONG 109 53.2W

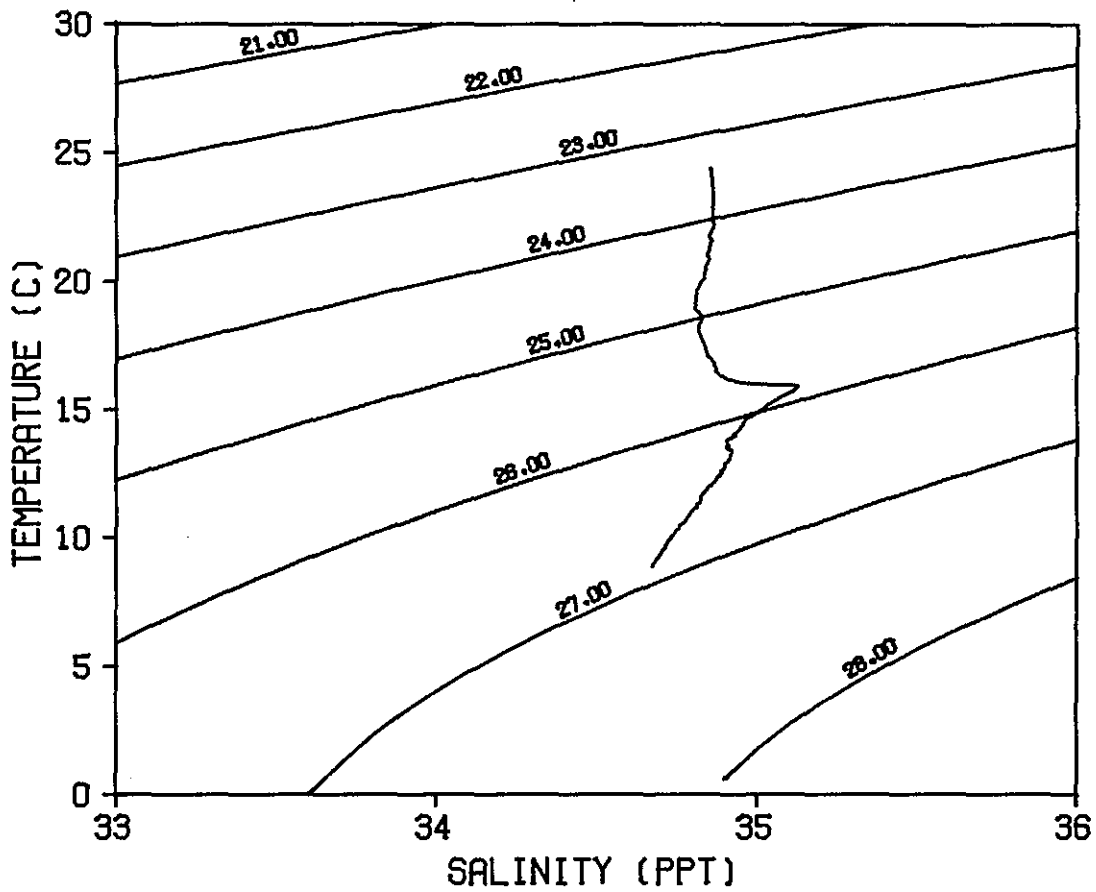


CAST EP2-81-DC-028 DATE 07 MAR 81 TIME 1841 GMT
 LAT 00 04.4N LONG 109 53.2W WEATHER 0 SEA STATE 2
 BAROMETER 13 WIND DIR 000 T SPD 00 KT VISIBILITY 8
 CLOUD 8 AMOUNT 1 DRY 28.5 WET 24.5 DEPTH M

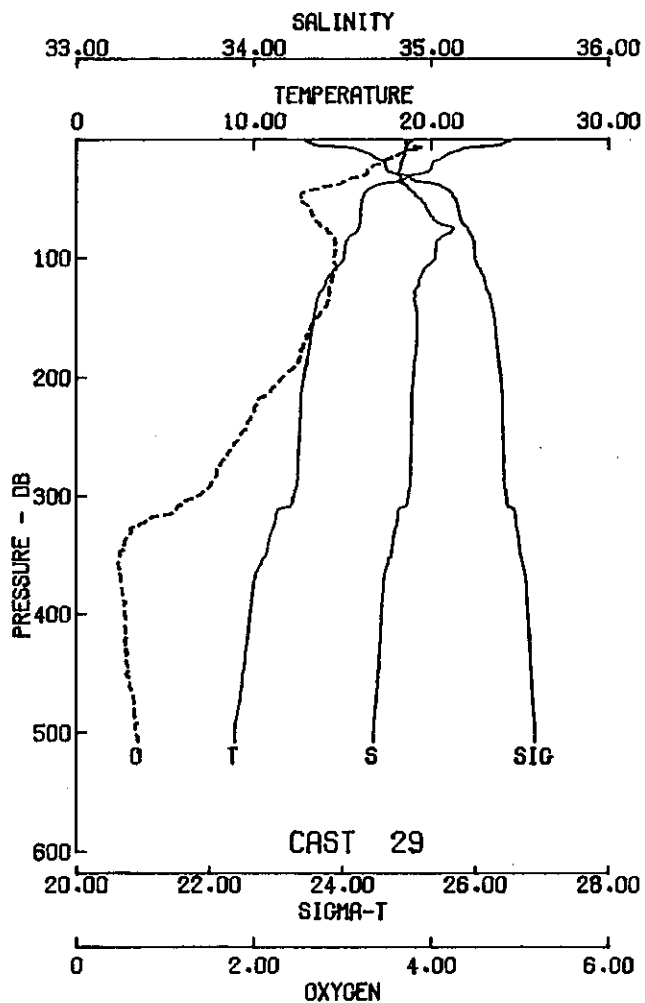


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	23.135	34.856	4.11	23.804	0.000
6.	22.402	34.850	4.22	24.008	
10.	21.632	34.848	4.30	24.223	.039
20.	20.324	34.838	4.20	24.570	.075
30.	19.403	34.812	3.95	24.791	.108
40.	18.344	34.833	3.62	25.076	.138
50.	16.375	34.858	3.26	25.569	.164
60.	15.549	34.905	2.94	25.744	.187
70.	15.325	34.972	3.01	25.895	.209
80.	15.227	34.991	3.18	25.931	.230
90.	15.140	34.979	3.24	25.942	.251
100.	14.807	35.004	3.25	26.034	.272
110.	14.345	34.959	3.28	26.099	.292
120.	14.024	34.924	3.24	26.140	.311
130.	13.589	34.891	3.21	26.206	.330
140.	13.502	34.921	3.16	26.249	.349
150.	13.410	34.916	3.11	26.262	.367
160.	13.269	34.917	3.04	26.292	.385
170.	13.196	34.917	2.98	26.307	.402
180.	13.057	34.913	2.93	26.332	.420
190.	12.931	34.902	2.82	26.349	.437
200.	12.812	34.899	2.69	26.370	.455
250.	12.575	34.888	2.16	26.408	.540
300.	12.192	34.867	1.41	26.467	.624
350.	10.697	34.774	.53	26.672	.700
400.	9.770	34.715	.62	26.788	.769
450.	9.284	34.690	.71	26.849	.835
500.	8.900	34.671	.81	26.896	.899
515.	8.438	34.646	.92	26.949	

CAST EP2-81-0C-029 DATE 08 MAR 81 TIME 1023 GMT
LAT 00 05.3N LONG 109 53.3W

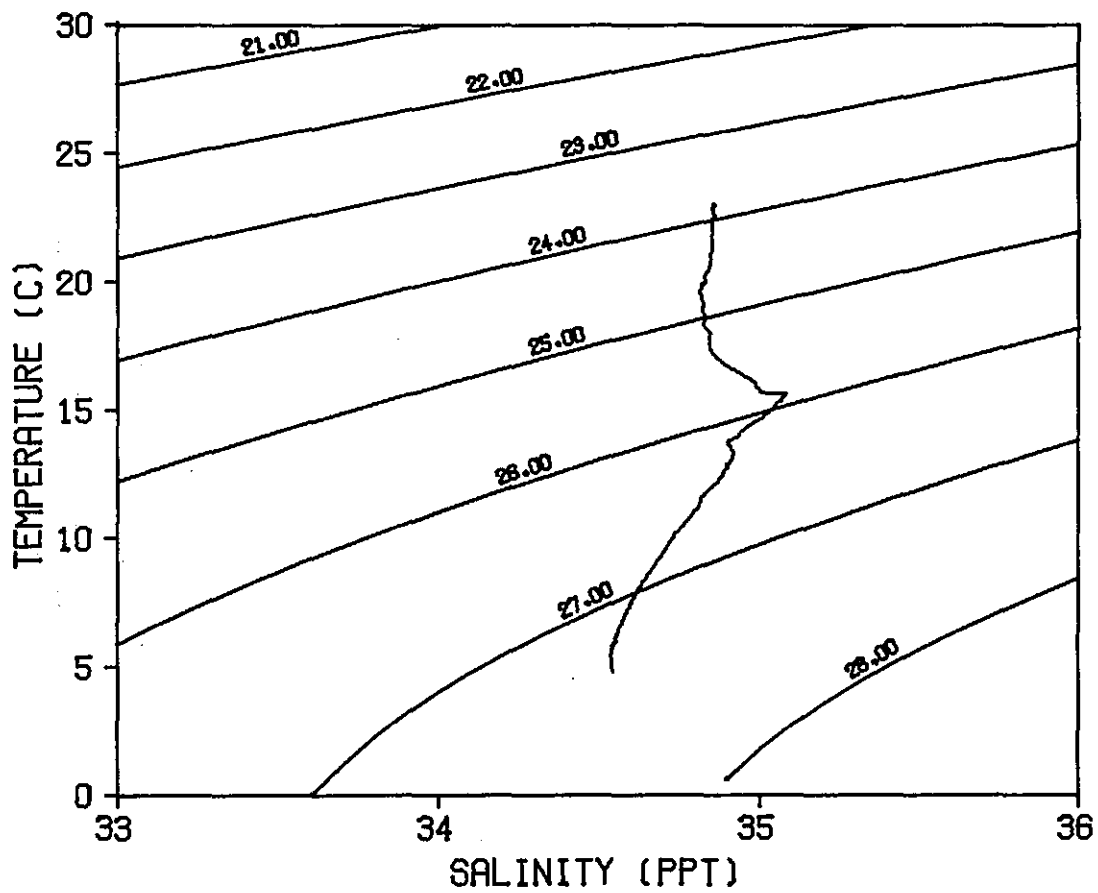


CAST EP2-81-DC-029 DATE 08 MAR 81 TIME 1023 GMT
 LAT 00 05.3N LONG 109 53.3W WEATHER 0 SEA STATE 3
 BAROMETER 11 WIND DIR 140 T SPD 09 KT VISIBILITY 8
 CLOUD 8 AMOUNT 1 DRY 24.2 WET 23.2 DEPTH H

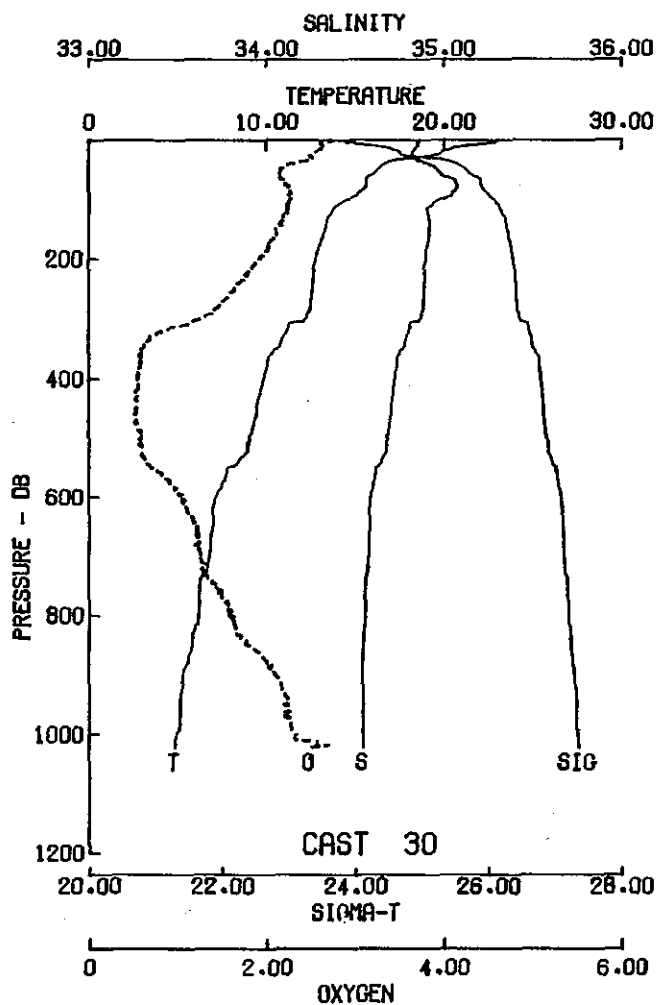


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.058	34.850	3.72	23.229	0.000
1.	24.391	34.852	3.78	23.432	
10.	21.359	34.850	3.71	24.300	.041
20.	20.058	34.829	3.43	24.634	.076
30.	18.917	34.806	3.27	24.911	.109
40.	16.737	34.852	2.79	25.488	.137
50.	16.103	34.929	2.54	25.687	.161
60.	16.010	34.979	2.63	25.746	.184
70.	15.962	35.032	2.72	25.798	.207
80.	15.603	35.093	2.88	25.926	.228
90.	15.138	35.029	2.91	25.980	.249
100.	15.059	35.022	2.91	25.993	.269
110.	14.459	34.954	2.92	26.072	.290
120.	14.020	34.924	2.87	26.141	.309
130.	13.664	34.905	2.84	26.201	.328
140.	13.478	34.911	2.82	26.244	.347
150.	13.341	34.920	2.70	26.279	.365
160.	13.235	34.919	2.62	26.300	.382
170.	13.157	34.916	2.57	26.313	.400
180.	13.043	34.912	2.51	26.323	.418
190.	12.909	34.900	2.45	26.335	.434
200.	12.786	34.899	2.42	26.345	.449
250.	12.590	34.888	2.33	26.375	.513
300.	12.245	34.872	2.13	26.460	.621
350.	10.683	34.775	1.49	26.675	.697
400.	9.775	34.719	.55	26.790	.766
450.	9.367	34.699	.57	26.842	.833
500.	8.918	34.674	.67	26.896	.897
507.	8.910	34.674	.69	26.897	

CAST EP2-81-0C-030 DATE 08 MAR 81 TIME 1735 GMT
LAT 00 05.8N LONG 109 53.7W

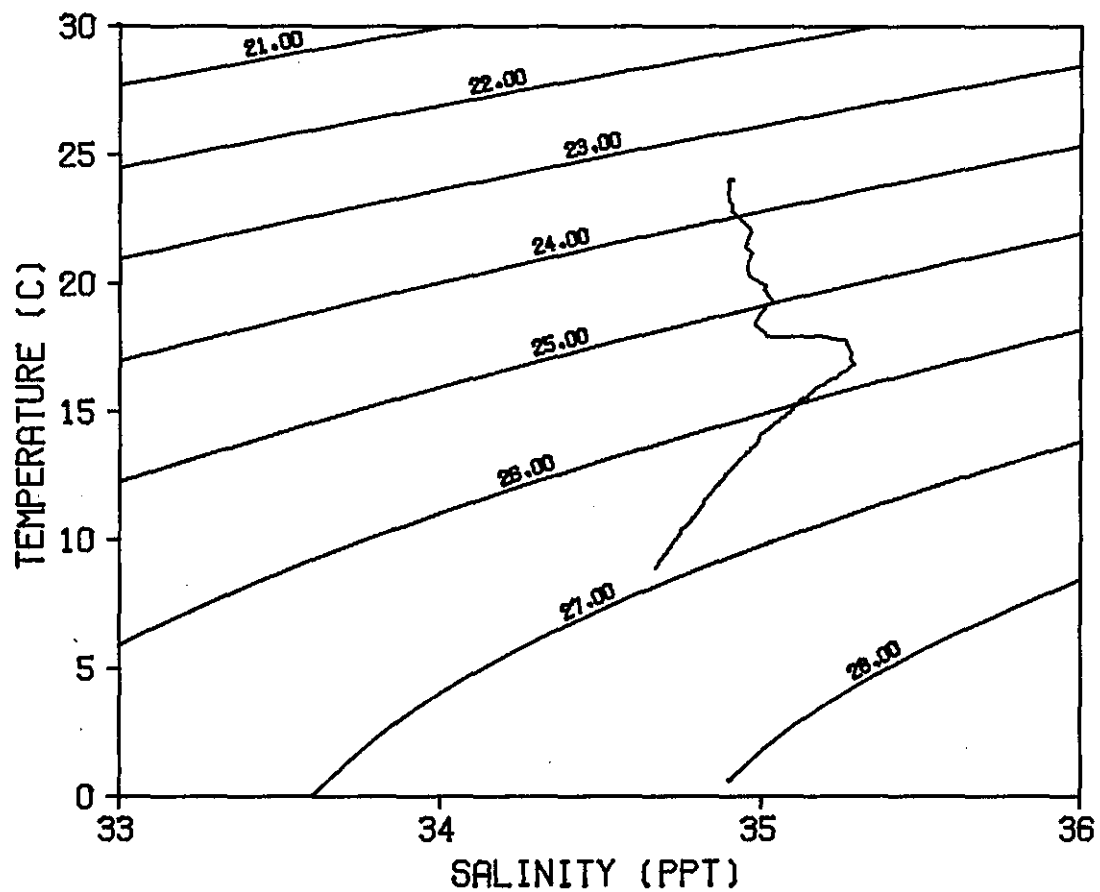


CAST EP2-81-0C-030 DATE 08 MAR 81 TIME 1735 GMT
 LAT 00 05.8N LONG 109 53.7W WEATHER 1 SEA STATE 4
 BARMETER 04 WIND DIR 130 T SPD 02 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 29.0 WET 25.3 DEPTH M

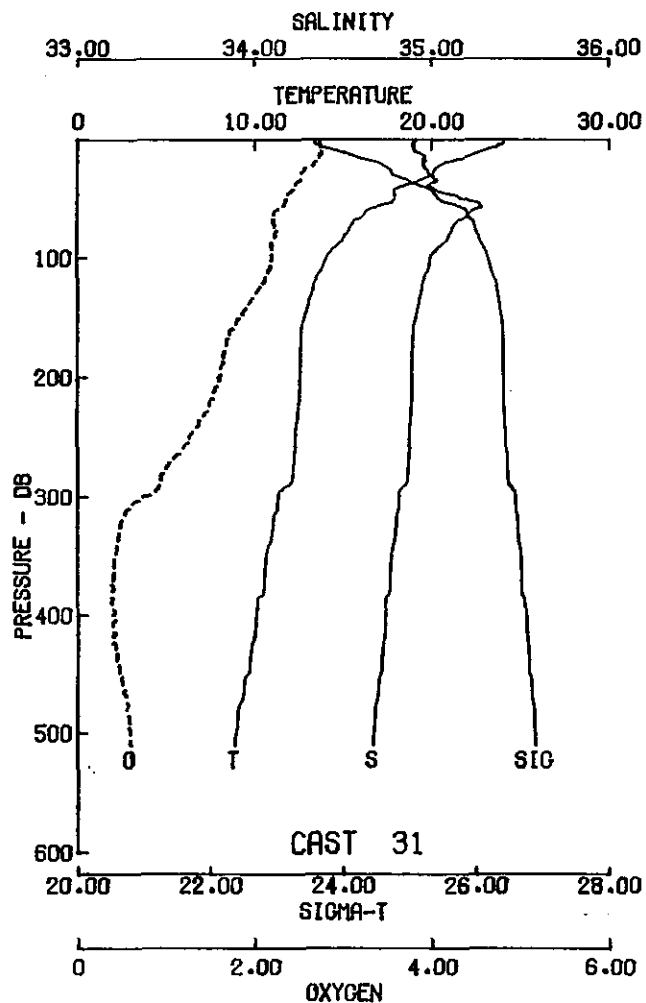


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	23.262	34.859	2.74	22.769	0.000
1.	23.004	34.857	2.72	22.842	
10.	21.240	34.853	2.64	23.335	.039
20.	19.908	34.823	2.55	23.668	.073
30.	18.328	34.823	2.51	23.733	.105
40.	16.657	34.909	2.27	23.542	.131
50.	16.288	34.959	2.16	23.607	.135
60.	15.862	34.944	2.15	23.792	.178
70.	15.644	35.067	2.21	23.896	.200
80.	15.604	35.081	2.24	23.916	.221
90.	15.147	35.047	2.28	23.922	.242
100.	14.556	34.983	2.27	23.973	.262
110.	13.986	34.934	2.24	23.157	.282
120.	13.677	34.900	2.21	23.195	.300
130.	13.466	34.914	2.20	23.249	.319
140.	13.373	34.918	2.15	23.271	.337
150.	13.302	34.919	2.10	23.286	.355
160.	13.185	34.916	2.09	23.308	.372
170.	13.099	34.914	2.06	23.324	.390
180.	12.969	34.907	2.02	23.444	.408
190.	12.852	34.897	1.98	23.360	.425
200.	12.785	34.899	1.91	23.375	.442
250.	12.539	34.887	1.63	23.414	.527
300.	12.161	34.865	1.24	23.471	.611
350.	10.603	34.767	.55	23.663	.686
400.	9.818	34.720	.35	23.783	.755
450.	9.448	34.702	.53	23.831	.822
500.	9.035	34.679	.59	23.880	.887
550.	7.798	34.611	.70	23.019	.949
600.	7.150	34.588	1.05	23.094	1.005
650.	6.956	34.579	1.20	23.114	1.058
700.	6.762	34.575	1.26	23.137	1.110
750.	6.244	34.558	1.40	23.193	1.161
800.	6.145	34.555	1.58	23.247	1.211
850.	5.800	34.546	1.81	23.240	1.259
900.	5.307	34.540	2.09	23.296	1.305
950.	5.111	34.542	2.19	23.321	1.349
1000.	4.930	34.542	2.33	23.342	1.393
1021.	4.836	34.546	2.49	23.356	

CAST EP2-81-0C-031 DATE 09 MAR 81 TIME 1311 GMT
LAT 0 29.75 LONG 109 57/2W

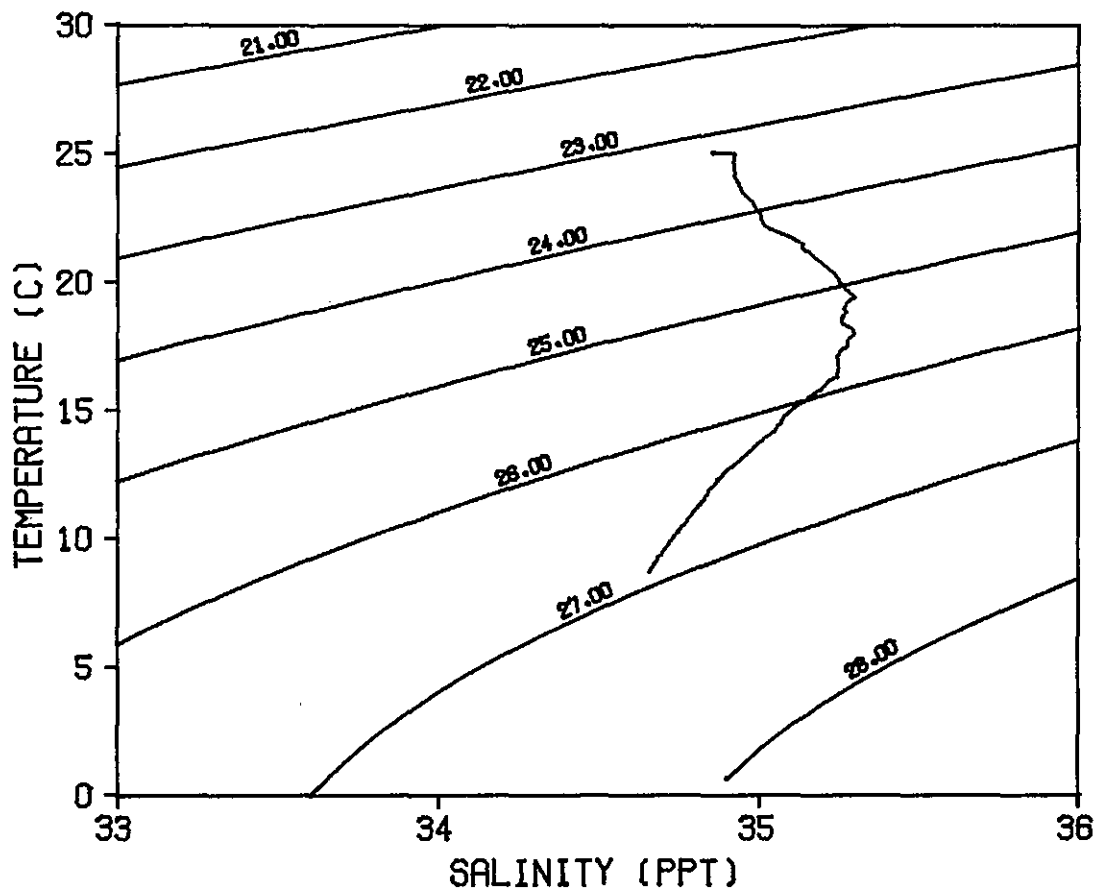


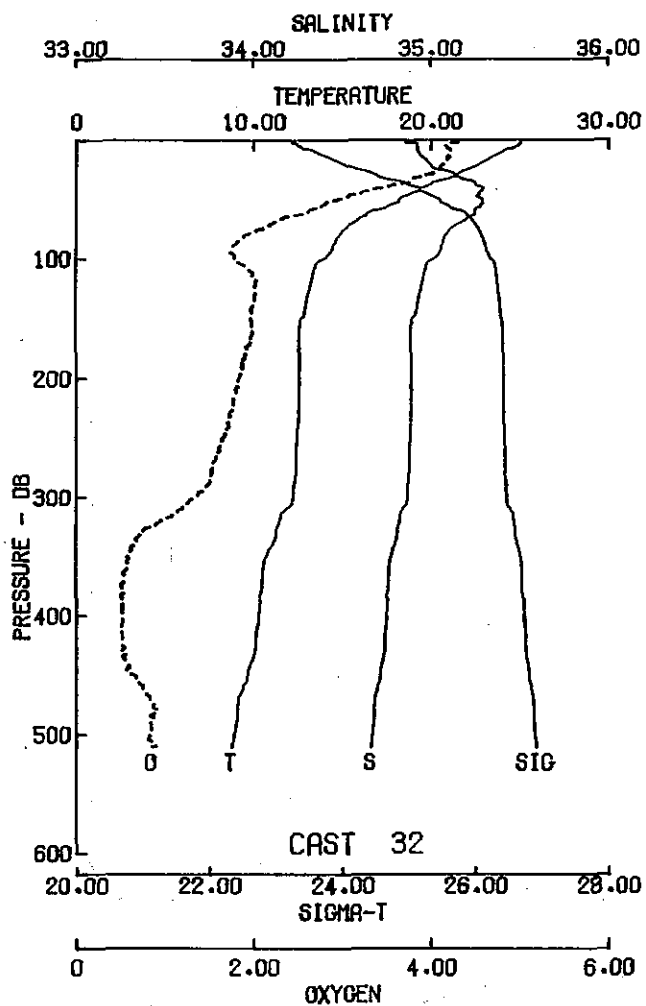
CAST EP2-81-DC-031 DATE 09 MAR 81 TIME 1311 GMT
 LAT 0 29.75 LONG 109 57.2W WEATHER 1 SEA STATE 1
 BARMETER 12 WIND DIR 000 T SPD 00 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 DRY 24.0 WET 23.5 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.218	34.906	2.72	23.524	0.000
1.	24.047	34.908	2.72	23.576	
10.	22.805	34.906	2.75	23.936	.042
20.	20.694	34.956	2.67	24.561	.079
30.	20.013	34.993	2.53	24.770	.112
40.	18.195	34.995	2.46	25.237	.142
50.	17.948	35.174	2.35	25.435	.168
60.	16.355	35.236	2.23	25.863	.192
70.	15.559	35.138	2.21	25.971	.213
80.	15.131	35.100	2.22	26.037	.233
90.	14.621	35.055	2.19	26.114	.253
100.	14.055	34.994	2.19	26.188	.272
110.	13.760	34.982	2.16	26.241	.291
120.	13.354	34.947	2.11	26.298	.308
130.	13.190	34.936	2.01	26.323	.326
140.	12.994	34.923	1.93	26.352	.343
150.	12.796	34.909	1.84	26.380	.360
160.	12.619	34.895	1.73	26.405	.377
170.	12.598	34.892	1.67	26.407	.394
180.	12.575	34.888	1.66	26.408	.411
190.	12.565	34.889	1.63	26.411	.427
200.	12.554	34.889	1.59	26.413	.444
250.	12.334	34.878	1.26	26.447	.528
300.	11.320	34.816	.71	26.592	.609
350.	10.650	34.774	.42	26.681	.683
400.	10.067	34.738	.36	26.755	.753
450.	9.651	34.714	.48	26.807	.823
500.	8.949	34.674	.60	26.891	.888
510.	8.890	34.672	.60	26.898	

CAST EP2-81-0C-032 DATE 09 MAR 81 TIME 2317 GMT
LAT 1 00.9S LONG 110 00.9W

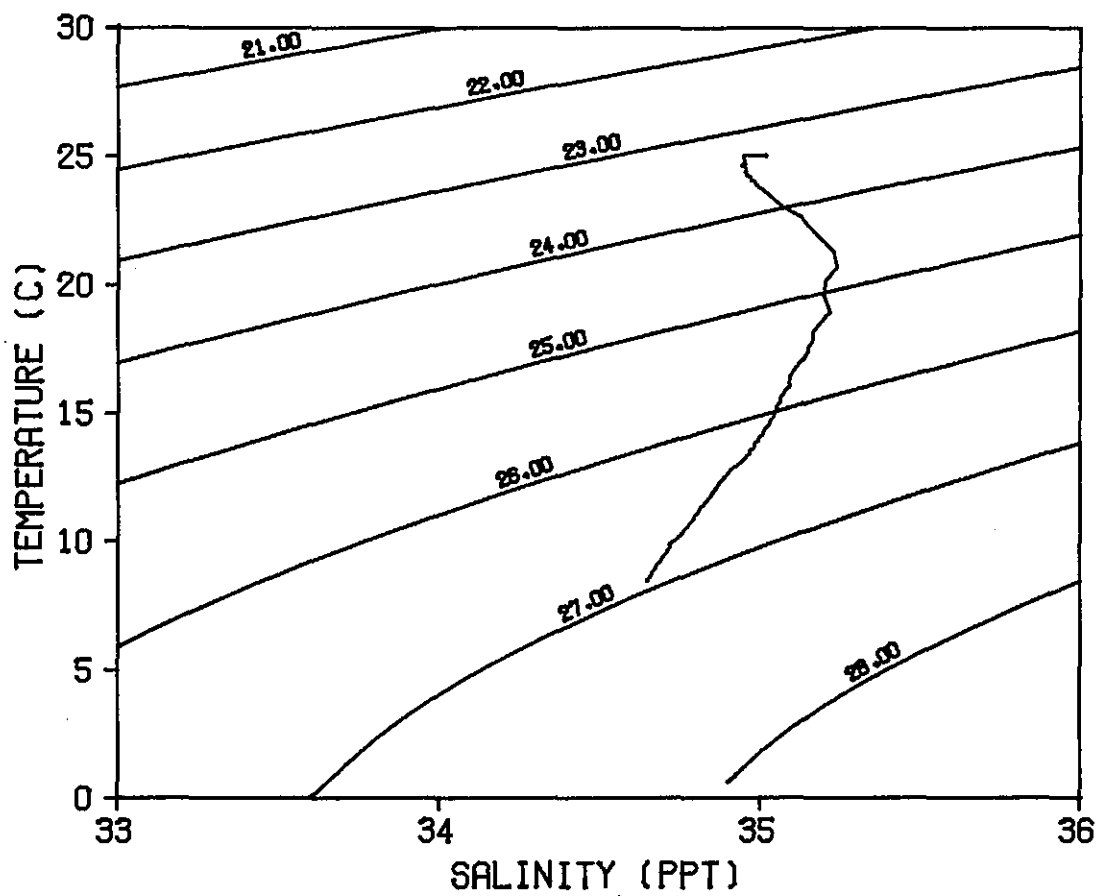




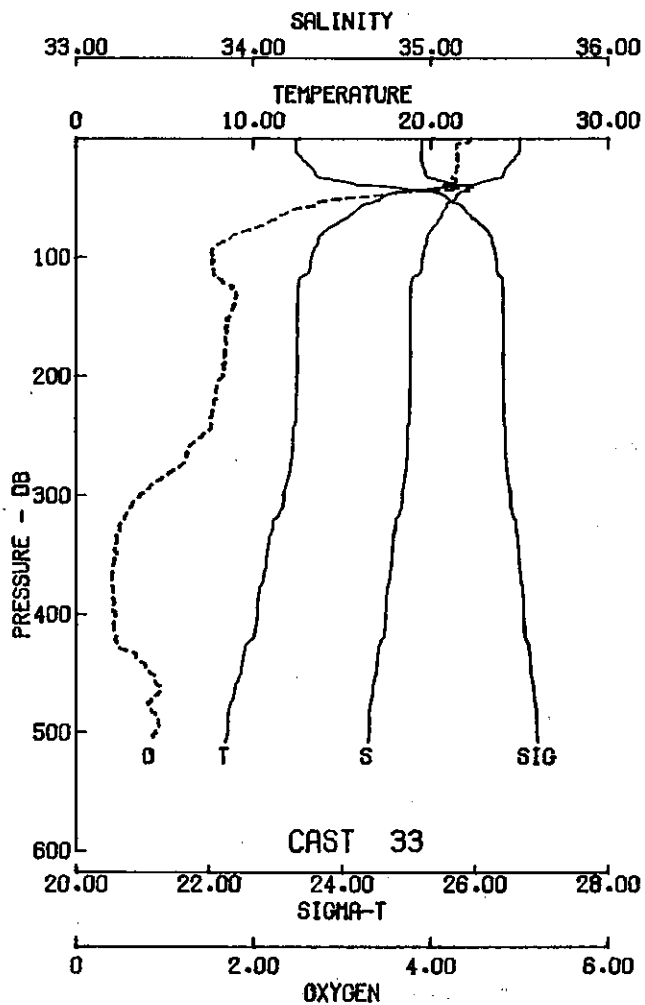
CAST EP2-81-UC-032 DATE 09 MAR 81 TIME 2317 GMT
 LAT 1 00.9S LONG 110 00.9W WEATHER 1 SEA STATE 2
 BAROMETER 10 WIND DIR 140 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 27.1 WET 25.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.232	34.872	4.27	23.192	0.000
2.	25.051	34.856	4.30	23.236	
10.	24.018	34.929	4.22	23.601	.045
20.	22.792	34.990	4.16	24.004	.086
30.	21.389	35.136	3.93	24.508	.123
40.	19.603	35.283	3.49	25.098	.155
50.	18.258	35.281	2.98	25.440	.182
60.	16.705	35.249	2.61	25.791	.207
70.	15.611	35.166	2.20	25.981	.228
80.	14.854	35.086	1.91	26.087	.248
90.	14.444	35.060	1.76	26.156	.267
100.	13.989	35.021	1.78	26.222	.286
110.	13.352	34.965	1.95	26.311	.304
120.	12.196	34.950	2.01	26.332	.321
130.	11.025	34.934	2.01	26.354	.338
140.	12.894	34.923	1.98	26.372	.355
150.	12.693	34.899	1.97	26.394	.372
160.	12.551	34.888	1.99	26.413	.389
170.	12.528	34.887	1.96	26.417	.406
180.	12.518	34.886	1.90	26.417	.422
190.	12.517	34.886	1.86	26.418	.439
200.	12.513	34.887	1.82	26.419	.456
250.	12.397	34.881	1.65	26.437	.539
300.	12.188	34.866	1.33	26.467	.622
350.	10.711	34.776	.58	26.671	.699
400.	10.246	34.746	.51	26.730	.771
450.	9.632	34.711	.63	26.808	.840
500.	8.871	34.668	.83	26.898	.905
511.	8.739	34.661	.86	26.914	

CAST EP2-81-0C-033 DATE 10 MAR 81 TIME 1210 GMT
LAT 1 28.8S LONG 109 58.0W



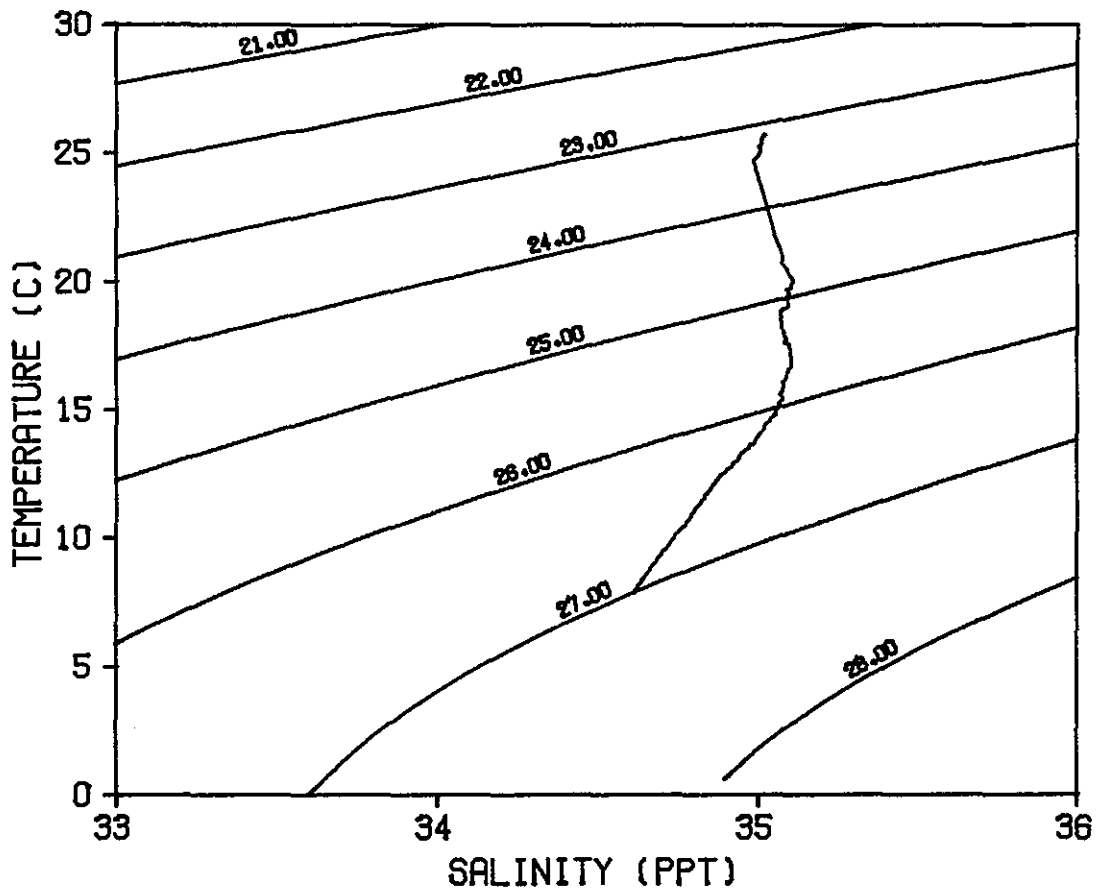
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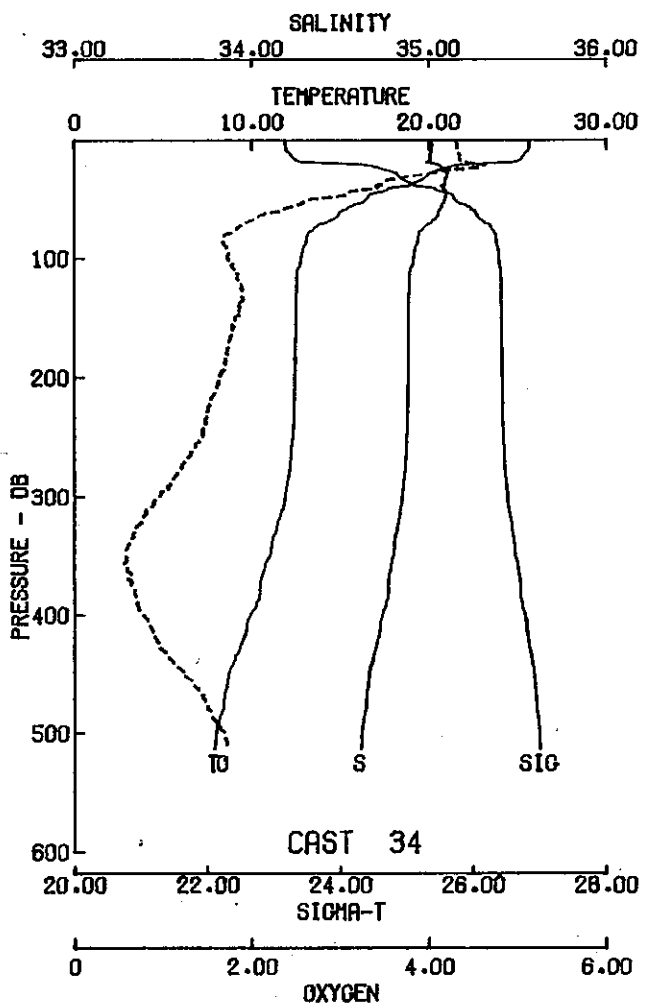
CAST EP2-81-OC-033 DATE 10 MAR 81 TIME 1210 GMT
 LAT 1 28.8S LONG 109 58.0W WEATHER 1 SEA STATE 2
 BARMETER 12 WIND DIR 110 T SPD 04 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 24.5 WET 24.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.036	35.014	4.46	23.359	0.000
10.	25.022	34.949	4.29	23.315	.046
20.	24.569	34.951	4.32	23.465	.091
30.	24.102	34.969	4.26	23.607	.135
40.	21.297	35.230	4.25	23.605	.175
50.	17.234	35.142	3.14	23.587	.202
60.	15.872	35.078	2.45	23.854	.225
70.	14.888	35.042	2.18	23.046	.246
80.	13.927	34.993	1.83	23.214	.265
90.	13.625	34.978	1.60	23.266	.283
100.	13.306	34.957	1.56	23.315	.301
110.	13.213	34.950	1.55	23.329	.318
120.	12.957	34.893	1.65	23.412	.335
130.	12.957	34.889	1.80	23.421	.352
140.	12.901	34.887	1.78	23.422	.368
150.	12.489	34.886	1.74	23.424	.385
160.	12.488	34.886	1.69	23.424	.401
170.	12.488	34.887	1.68	23.424	.418
180.	12.487	34.888	1.67	23.425	.434
190.	12.485	34.887	1.66	23.425	.451
200.	12.453	34.885	1.66	23.430	.468
250.	12.244	34.872	1.43	23.460	.530
300.	11.733	34.842	.72	23.535	.632
350.	10.787	34.785	.44	23.669	.708
400.	10.236	34.750	.45	23.735	.779
450.	9.328	34.696	.83	23.846	.847
500.	8.579	34.656	.90	23.935	.909
508.	8.437	34.648	.84	23.951	

CAST EP2-81-0C-034 DATE 11 MAR 81 TIME 0640 GMT
LAT 2 03.1S LONG 110 01.1W

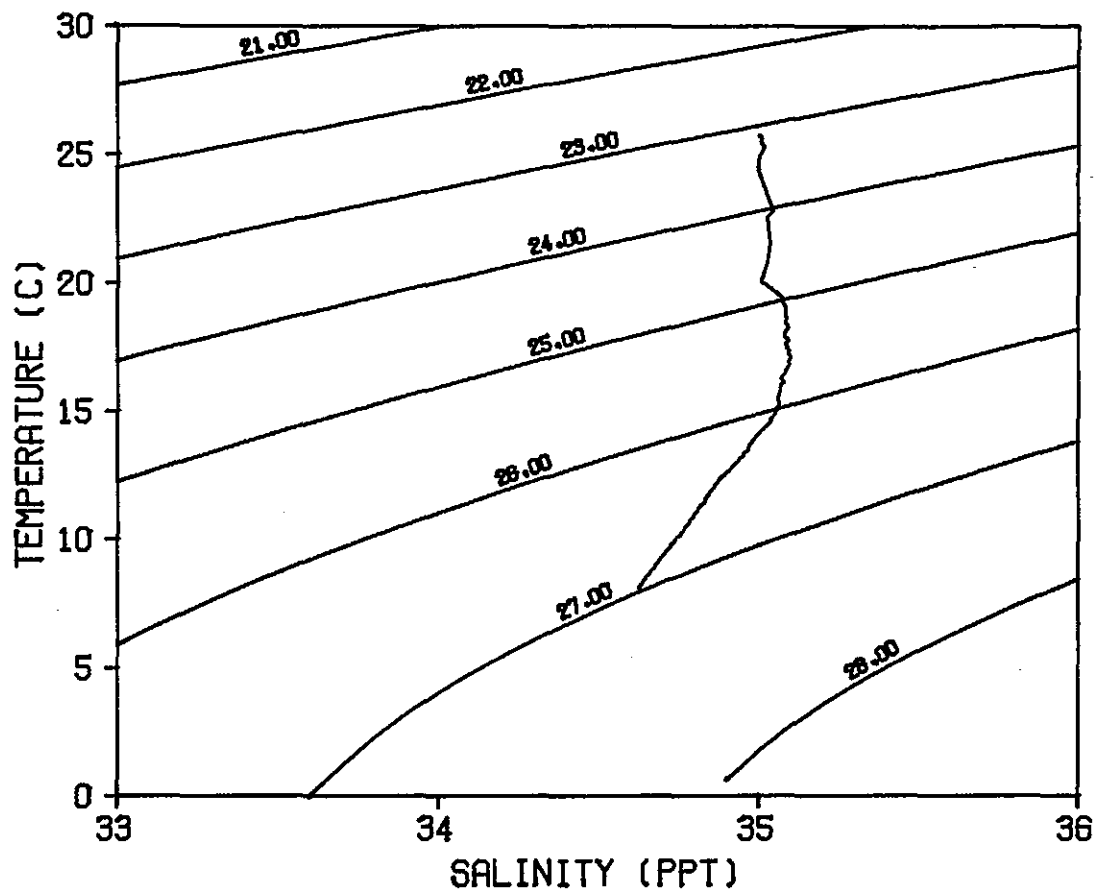


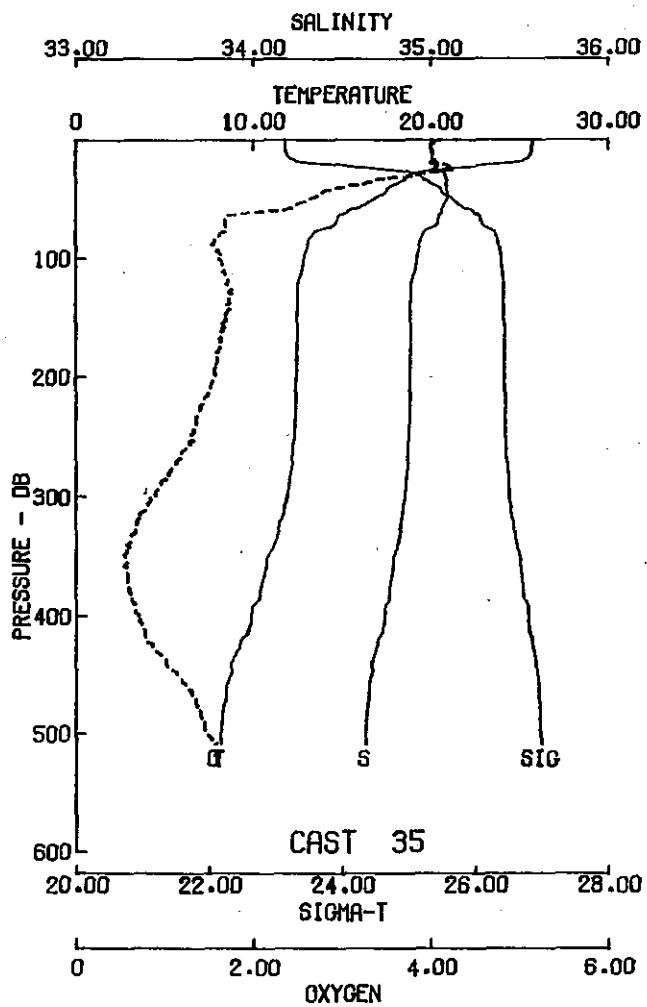
CAST EP2-81-OC-034 DATE 11 MAR 81 TIME 0640 GMT
 LAT 2 03.1S LONG 110 01.1W WEATHER 1 SEA STATE 4
 BAROMETER 14 WIND DIR 120 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 25.7 WET 24.7 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.691	35.017	4.31	23.160	0.000
1.	25.678	35.016	4.31	23.164	
10.	25.508	35.010	4.34	23.212	.047
20.	23.263	35.018	4.51	23.839	.093
30.	19.952	35.105	3.87	24.872	.126
40.	18.144	35.072	3.41	25.308	.156
50.	16.499	35.090	2.69	25.718	.180
60.	15.071	35.061	2.33	26.020	.202
70.	14.190	35.013	1.91	26.174	.221
80.	13.127	34.941	1.70	26.339	.250
90.	12.952	34.927	1.71	26.393	.256
100.	12.762	34.914	1.73	26.391	.273
110.	12.565	34.895	1.79	26.416	.290
120.	12.515	34.889	1.86	26.421	.306
130.	12.503	34.887	1.89	26.422	.323
140.	12.487	34.886	1.85	26.424	.339
150.	12.475	34.885	1.80	26.426	.356
160.	12.459	34.884	1.78	26.428	.373
170.	12.450	34.884	1.75	26.429	.389
180.	12.438	34.883	1.71	26.432	.405
190.	12.431	34.883	1.70	26.433	.422
200.	12.414	34.882	1.64	26.435	.438
250.	12.291	34.874	1.43	26.453	.521
300.	11.869	34.850	.95	26.515	.602
350.	11.016	34.799	.58	26.634	.680
400.	9.920	34.737	.77	26.779	.751
450.	8.698	34.662	1.24	26.921	.816
500.	7.974	34.620	1.69	26.999	.876
513.	7.890	34.616	1.69	27.009	

CAST EP2-81-0C-035 DATE 11 MAR 81 TIME 1344 GMT
LAT 2 08.5S LONG 109 59.9W

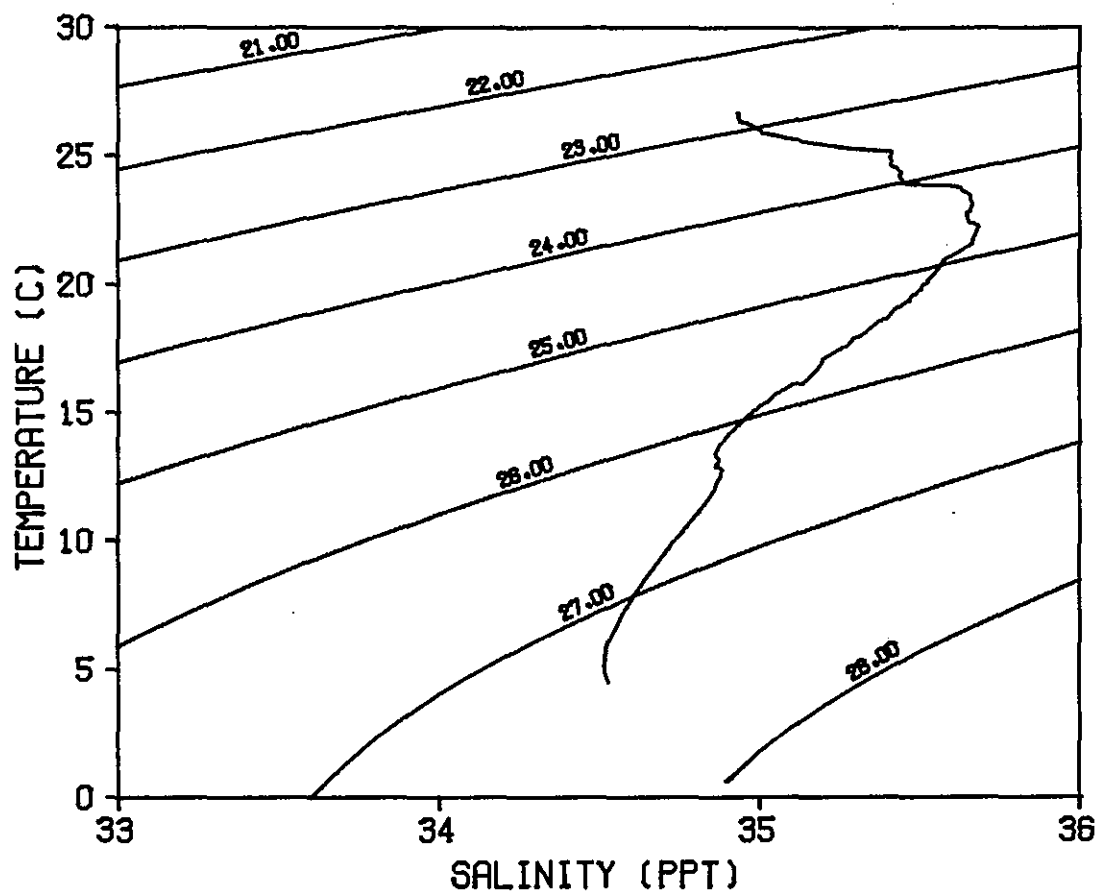


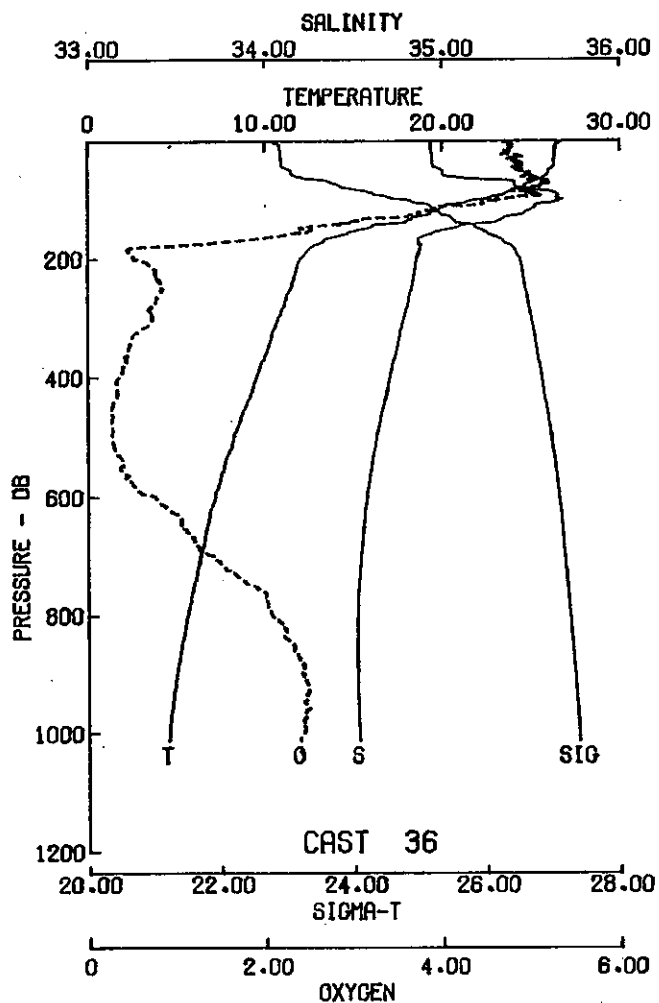


CAST EP2-81-OC-035 DATE 11 MAR 81 TIME 1344 GMT
 LAT 2 08.55 LONG 109 59.9W WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 120 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 25.1 WET 23.8 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.732	35.002	4.10	23.137	0.000
10.	25.690	35.005	4.03	23.152	.047
20.	24.488	34.997	4.08	23.512	.094
30.	19.897	34.984	3.89	25.128	.128
40.	17.451	34.985	3.01	25.439	.155
50.	16.779	34.993	2.64	25.655	.180
60.	15.308	34.960	2.32	25.967	.202
70.	14.616	34.938	1.68	26.102	.222
80.	13.302	34.954	1.62	26.314	.241
90.	13.017	34.933	1.57	26.355	.258
100.	12.818	34.918	1.61	26.383	.275
110.	12.709	34.910	1.67	26.398	.292
120.	12.508	34.888	1.71	26.398	.308
130.	12.469	34.886	1.75	26.422	.325
140.	12.462	34.885	1.70	26.428	.341
150.	12.449	34.884	1.69	26.430	.357
160.	12.430	34.884	1.65	26.433	.374
170.	12.428	34.883	1.64	26.433	.390
180.	12.421	34.883	1.61	26.435	.407
190.	12.422	34.883	1.56	26.435	.423
200.	12.404	34.882	1.56	26.437	.440
250.	11.829	34.875	1.30	26.453	.522
300.	11.895	34.851	.90	26.512	.604
350.	10.802	34.789	.54	26.665	.681
400.	9.845	34.735	.70	26.791	.752
450.	8.692	34.663	1.13	26.922	.816
500.	8.144	34.629	1.48	26.981	.876
509.	8.109	34.628	1.56	26.986	

CAST EP2-81-0C-036 DATE 12 MAR 81 TIME 2234 GMT
LAT 7 02.8S LONG 110 00.2W

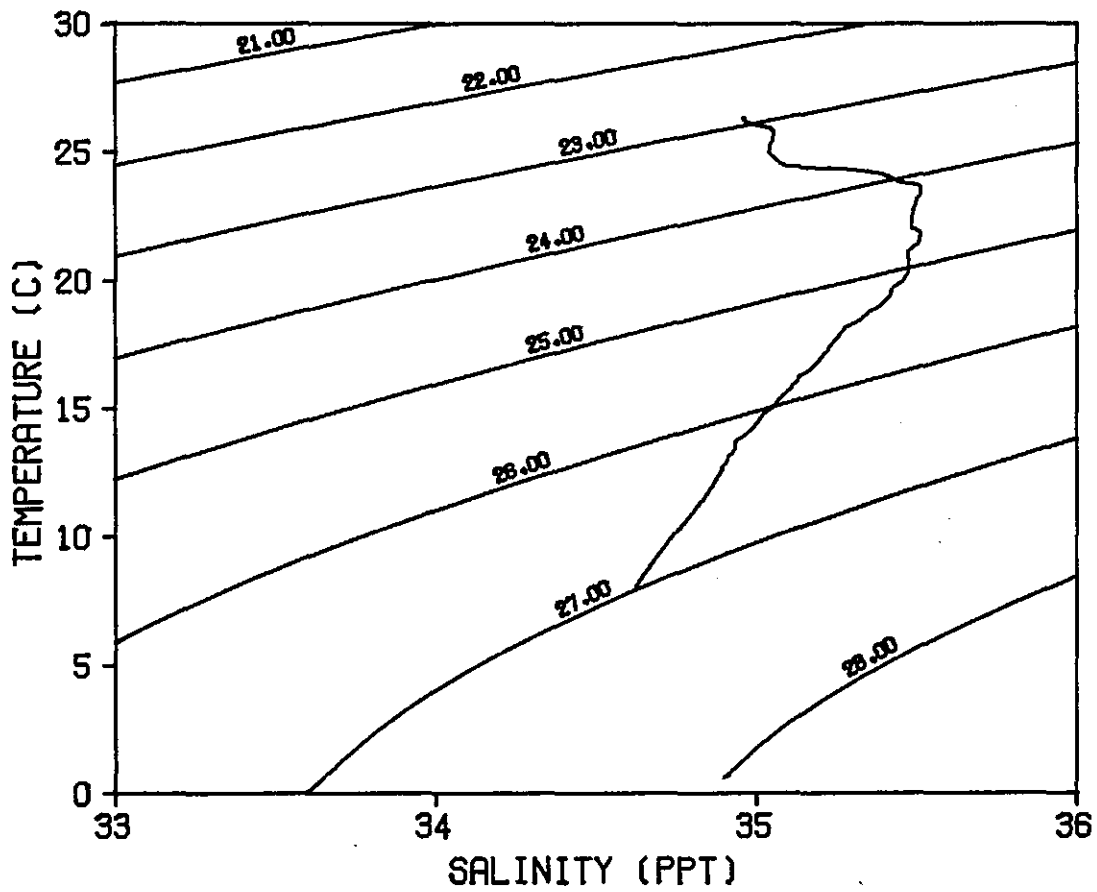




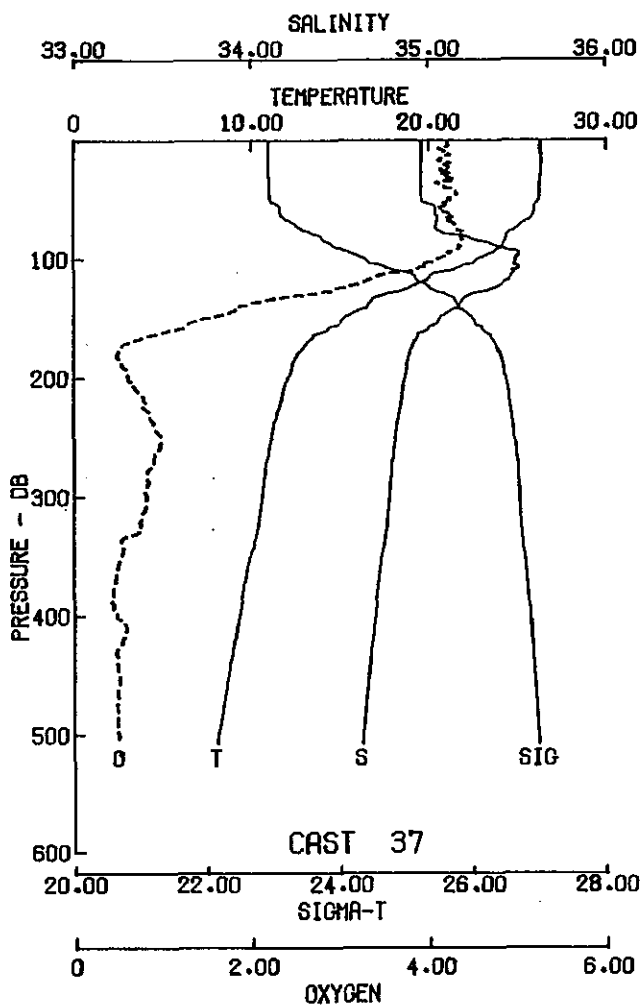
CAST EP2-81-DC-036 DATE 12 MAR 81 TIME 2234 GMT
 LAT 7 02.85 LONG 110 00.2W WEATHER 1 SEA STATE 4
 BAROMETER 11 WIND DIR 130 T SPD 14 KT VISIBILITY 8
 CLOUD 6 AMOUNT 2 DRY 27.2 WET 23.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.788	34.932	4.71	22.753	0.000
2.	26.660	34.933	4.75	22.794	
10.	26.377	34.939	4.79	22.868	.050
20.	26.341	34.941	4.74	22.901	.100
30.	26.327	34.946	4.75	22.909	.150
40.	26.317	34.947	4.87	22.913	.200
50.	26.027	34.999	4.83	23.043	.249
60.	25.845	35.028	4.91	23.121	.297
70.	25.087	35.411	5.12	23.643	.343
80.	24.356	35.441	4.94	23.886	.384
90.	23.491	35.650	5.04	24.301	.423
100.	22.263	35.682	4.60	24.679	.458
110.	20.149	35.523	4.37	25.138	.488
120.	19.625	35.486	3.87	25.247	.517
130.	18.370	35.351	3.59	25.465	.544
140.	17.615	35.272	3.99	25.591	.569
150.	15.707	35.050	3.38	25.870	.591
160.	14.445	34.926	3.21	26.052	.612
170.	13.320	34.866	1.71	26.242	.631
180.	12.675	34.880	.66	26.383	.649
190.	12.325	34.870	.46	26.443	.666
200.	11.995	34.858	.50	26.497	.682
250.	11.444	34.829	.85	26.579	.760
300.	10.734	34.783	.72	26.673	.834
350.	10.171	34.747	.46	26.674	.905
400.	9.495	34.704	.34	26.825	.972
450.	8.886	34.667	.27	26.895	1.036
500.	8.215	34.628	.27	26.970	1.097
550.	7.656	34.599	.36	27.030	1.155
600.	7.134	34.572	.75	27.084	1.210
650.	6.666	34.553	1.07	27.133	1.263
700.	6.293	34.538	1.42	27.170	1.314
750.	5.910	34.524	1.86	27.209	1.364
800.	5.572	34.520	2.07	27.248	1.411
850.	5.235	34.516	2.31	27.285	1.457
900.	4.926	34.517	2.40	27.322	1.501
950.	4.702	34.521	2.43	27.351	1.544
1000.	4.520	34.526	2.43	27.375	1.585
1013.	4.482	34.528	2.39	27.381	

CAST EP2-81-0C-037 DATE 13 MAR 81 TIME 1144 GMT
LAT 6 31.0S LONG 110 02.0W

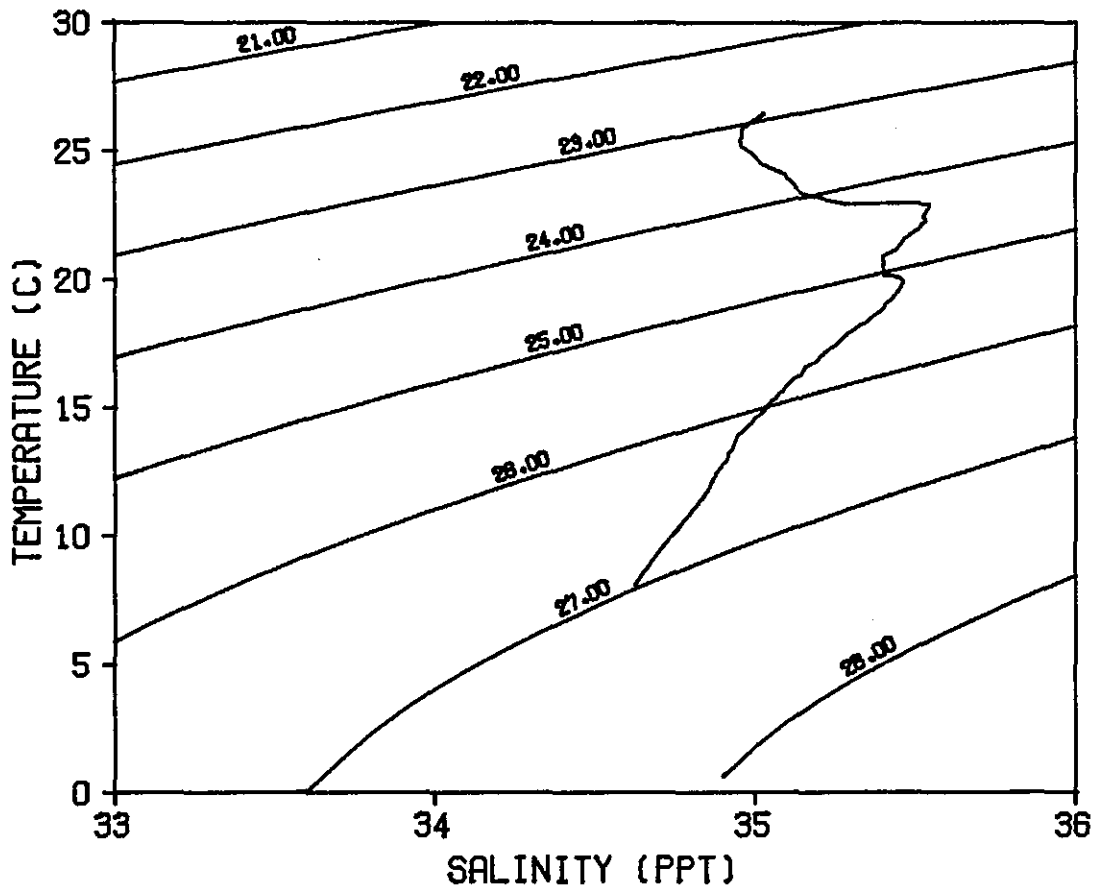


CAST EP2-81-UC-037 DATE 13 MAR 81 TIME 1144 GMT
 LAT 6 31.0S LONG 110 02.0W WEATHER 1 SEA STATE 2
 BAROMETER 12 WIND DIR 100 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 25.0 WET 23.0 DEPTH M

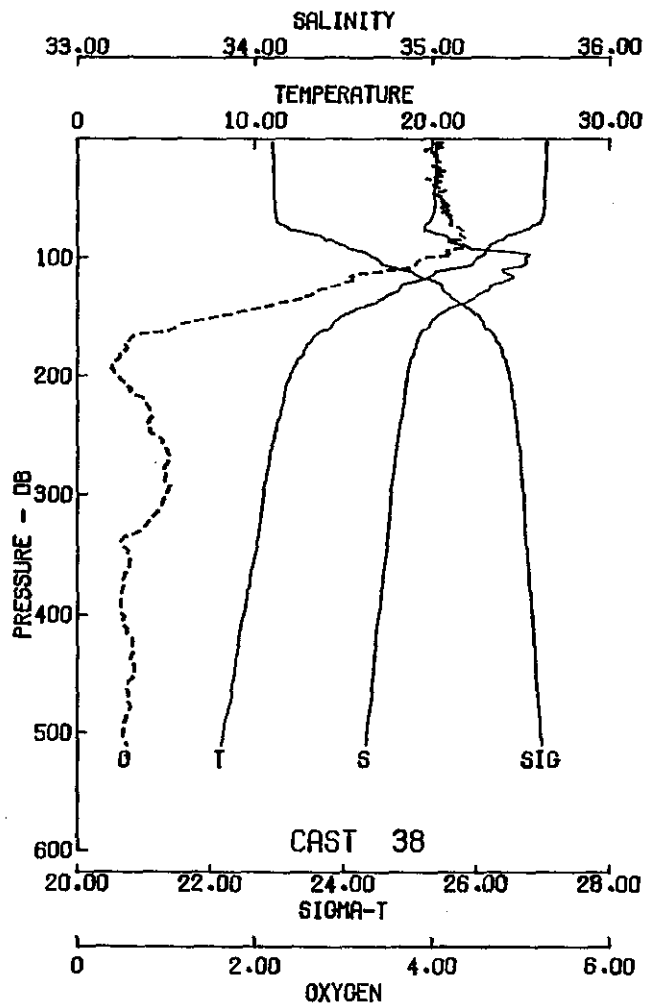


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.323	34.959	4.26	22.920	0.000
2.	26.325	34.960	4.20	22.920	
10.	26.326	34.960	4.16	22.920	.050
20.	26.333	34.960	4.16	22.918	.099
30.	26.302	34.960	4.20	22.927	.149
40.	26.258	34.960	4.21	22.941	.198
50.	26.239	34.962	4.22	22.948	.248
60.	25.947	35.041	4.16	23.099	.296
70.	25.275	35.044	4.29	23.309	.344
80.	24.587	35.162	4.37	23.667	.388
90.	24.130	35.392	4.37	23.917	.430
100.	22.792	35.492	4.10	24.384	.468
110.	21.098	35.471	3.84	24.843	.502
120.	19.444	35.420	3.25	25.244	.531
130.	17.416	35.228	2.55	25.606	.558
140.	16.528	35.169	1.82	25.772	.581
150.	15.168	35.060	1.44	25.998	.602
160.	14.226	34.988	1.07	26.147	.622
170.	13.133	34.913	.60	26.316	.641
180.	12.573	34.888	.48	26.409	.658
190.	12.268	34.875	.55	26.459	.674
200.	12.041	34.866	.61	26.495	.691
250.	11.148	34.812	.98	26.621	.767
300.	10.583	34.776	.82	26.694	.840
350.	9.902	34.733	.53	26.779	.909
400.	9.284	34.694	.47	26.852	.975
450.	8.682	34.659	.51	26.921	1.038
500.	8.115	34.628	.51	26.984	1.098
507.	8.065	34.626	.52	26.990	

CAST EP2-81-0C-038 DATE 13 MAR 81 TIME 1837 GMT
LAT 5 59.4S LONG 110 01.4W

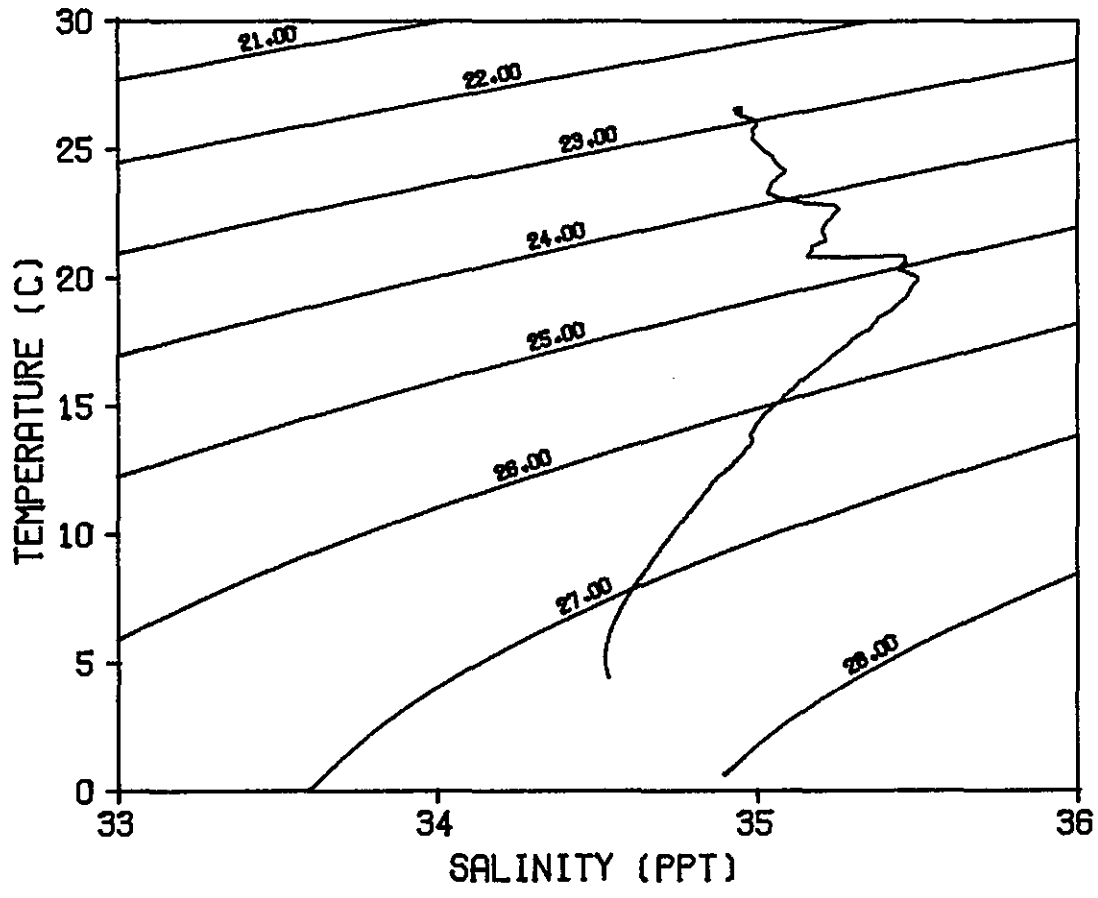


CAST EP2-81-DC-038 DATE 13 MAR 81 TIME 1837 GMT
 LAT 5 59.45 LONG 110 01.4 W WEATHER 1 SEA STATE 4
 BAROMETER 14 WIND DIR 130 T SPD 10 KT VISIBILITY 8
 CLOUD 6 AMOUNT 2 DRY 27.3 WET 25.4 DEPTH M

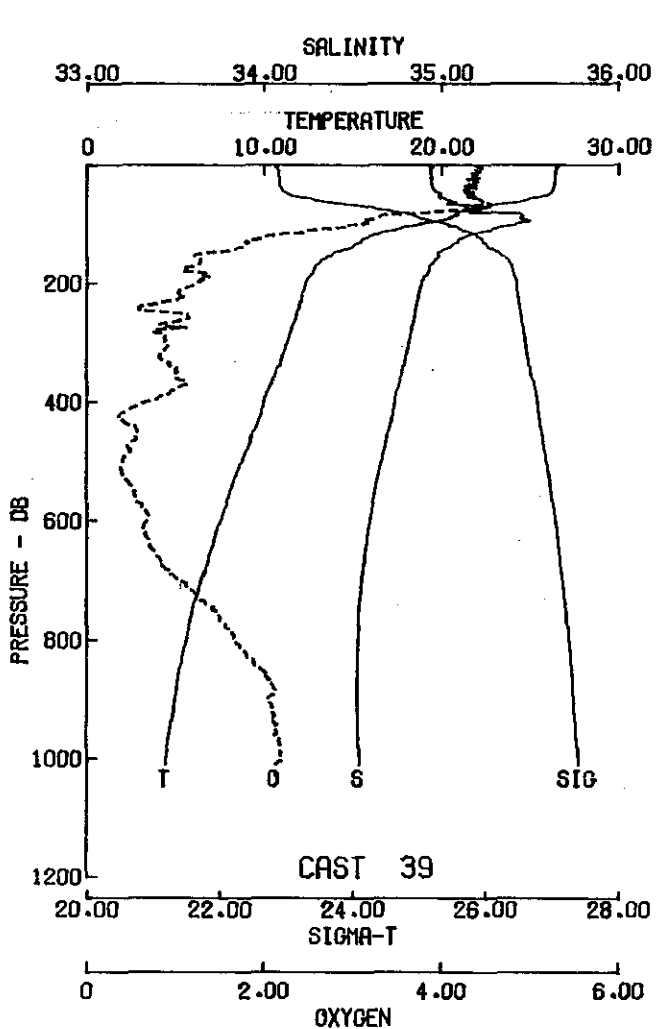


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.469	35.025	4.04	22.923	0.000
3.	26.446	35.025	4.11	22.931	
10.	26.417	35.025	3.91	22.940	.049
20.	26.405	35.024	4.04	22.943	.099
30.	26.380	35.020	4.05	22.948	.148
40.	26.331	35.014	4.04	22.959	.197
50.	26.320	35.013	4.14	22.962	.247
60.	26.293	35.011	4.19	22.969	.296
70.	26.106	34.984	4.21	23.007	.345
80.	24.479	35.020	4.31	23.532	.392
90.	23.222	35.188	4.38	24.030	.434
100.	22.611	35.533	3.97	24.466	.471
110.	20.892	35.398	3.60	24.843	.505
120.	19.078	35.410	3.08	25.331	.534
130.	17.779	35.281	2.66	25.558	.559
140.	16.261	35.142	2.17	25.813	.583
150.	14.826	35.022	1.54	26.044	.604
160.	14.195	34.972	1.07	26.141	.624
170.	13.199	34.915	.58	26.304	.642
180.	12.742	34.896	.49	26.381	.660
190.	12.321	34.872	.39	26.446	.676
200.	12.008	34.861	.46	26.497	.692
250.	11.143	34.812	.88	26.621	.769
300.	10.476	34.767	1.00	26.706	.841
350.	10.025	34.740	.56	26.764	.911
400.	9.398	34.701	.52	26.839	.978
450.	8.873	34.669	.65	26.899	1.041
500.	8.252	34.635	.52	26.969	1.102
510.	8.093	34.626	.55	26.986	

CAST EP2-81-0C-039 DATE 13 MAR 81 TIME 2226 GMT
LAT 5 28.5S LONG 110 03.2W



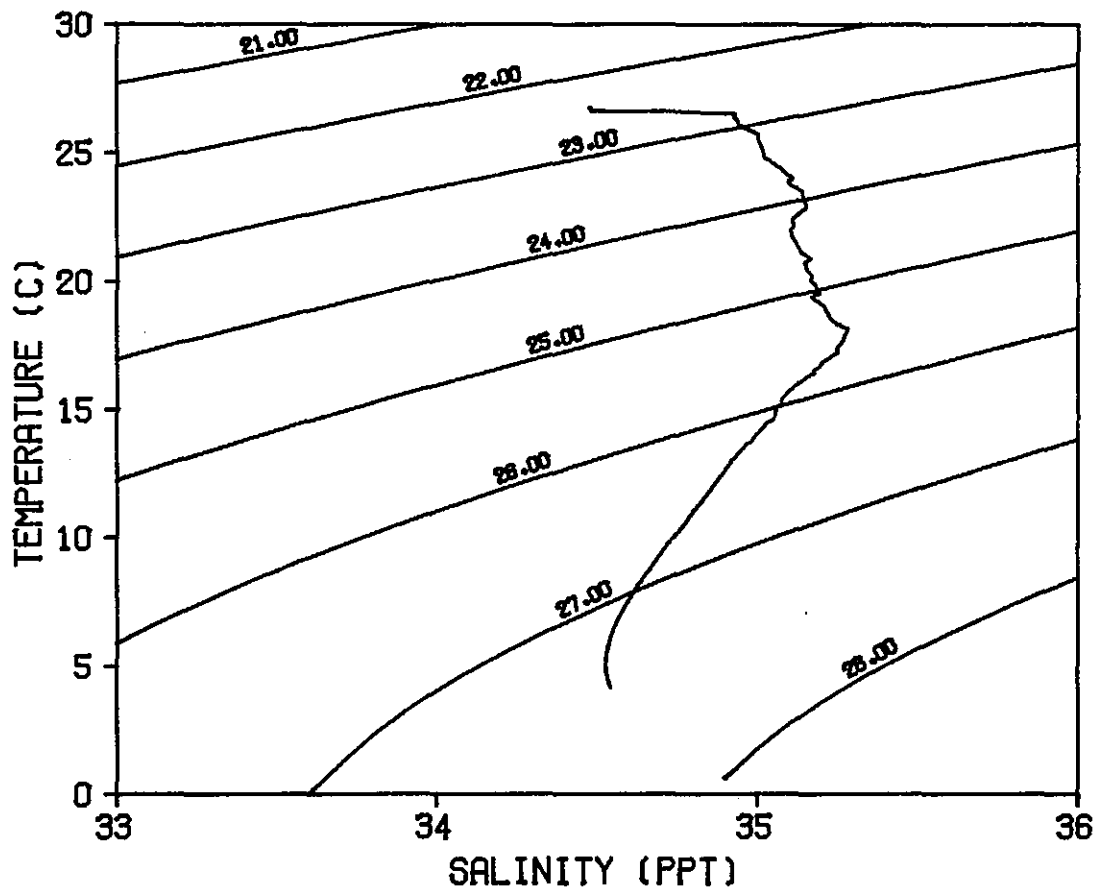
699



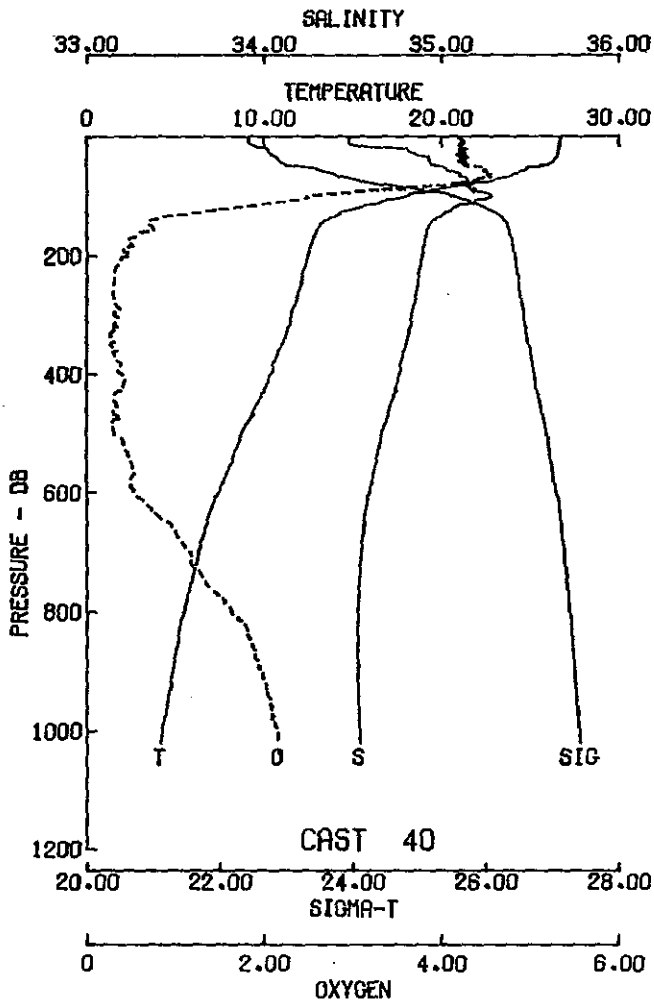
CAST EP2-81-DC-039 DATE 13 MAR 81 TIME 2226 GMT
 LAT 5 28.55 LONG 110 03.2W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 140 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 27.0 WET 23.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.638	34.943	4.39	22.809	0.000
1.	26.569	34.933	4.39	22.823	
10.	26.429	34.937	4.38	22.870	.050
20.	26.397	34.939	4.35	22.881	.100
30.	26.375	34.942	4.33	22.890	.150
40.	26.314	34.951	4.39	22.916	.200
50.	26.071	34.999	4.27	22.929	.249
60.	24.740	35.045	4.23	22.947	.296
70.	22.823	35.243	4.34	22.918	.337
80.	20.838	35.158	3.86	22.467	.373
90.	20.381	35.444	3.24	22.501	.403
100.	18.783	35.423	3.07	22.416	.431
110.	17.431	35.285	2.55	22.566	.456
120.	16.047	35.149	2.04	22.868	.479
130.	15.442	35.003	1.79	22.962	.500
140.	14.838	35.040	1.68	22.955	.521
150.	13.854	34.992	1.23	22.821	.540
160.	13.176	34.999	1.27	22.634	.558
170.	12.848	34.931	1.21	22.638	.575
180.	12.734	34.926	1.16	22.606	.592
190.	12.461	34.901	1.37	22.644	.608
200.	12.310	34.888	1.23	22.659	.625
250.	11.827	34.851	1.03	22.652	.705
300.	11.314	34.819	1.87	22.695	.783
350.	10.663	34.778	1.01	22.681	.857
400.	9.933	34.733	.65	22.677	.927
450.	9.380	34.699	.56	22.683	.994
500.	8.763	34.666	.40	22.691	1.058
550.	8.076	34.629	.53	22.698	1.119
600.	7.509	34.594	.69	22.704	1.176
650.	6.978	34.569	.76	22.710	1.231
700.	6.419	34.548	1.05	22.716	1.283
750.	5.943	34.534	1.45	22.721	1.333
800.	5.563	34.529	1.69	22.725	1.380
850.	5.179	34.523	1.98	22.729	1.425
900.	4.950	34.522	2.06	22.732	1.469
950.	4.678	34.527	2.13	22.735	1.511
1000.	4.426	34.533	2.17	22.739	1.552
1009.	4.409	34.534	2.12	22.739	

CAST EP2-81-0C-040 DATE 14 MAR 81 TIME 0811 GMT
LAT 4 58.4S LONG 110 01.3W

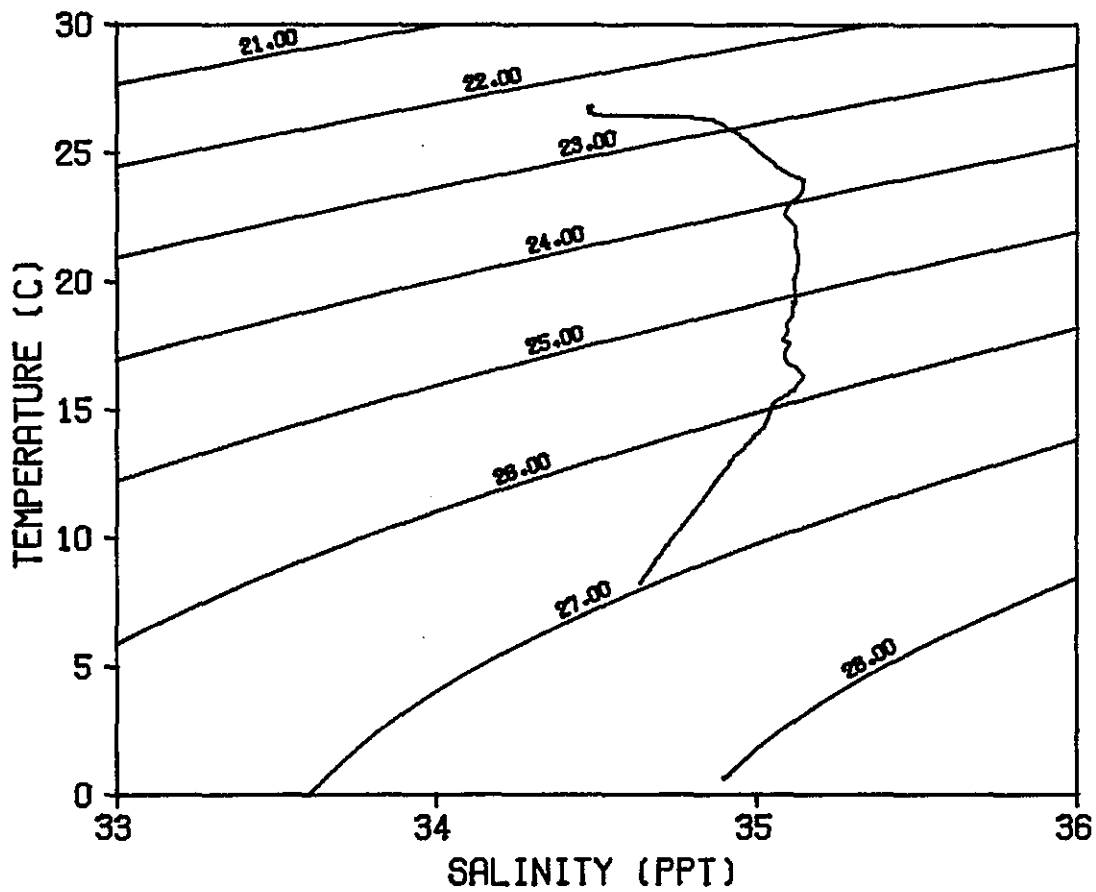


CAST EP2-81-OC-040 DATE 14 MAR 81 TIME 0811 GMT
 LAT 4 58.45 LONG 110 01.3W WEATHER 1 SEA STATE 4
 BAROMETER 14 WIND DIR 170 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 25.7 WET 23.2 DEPTH M

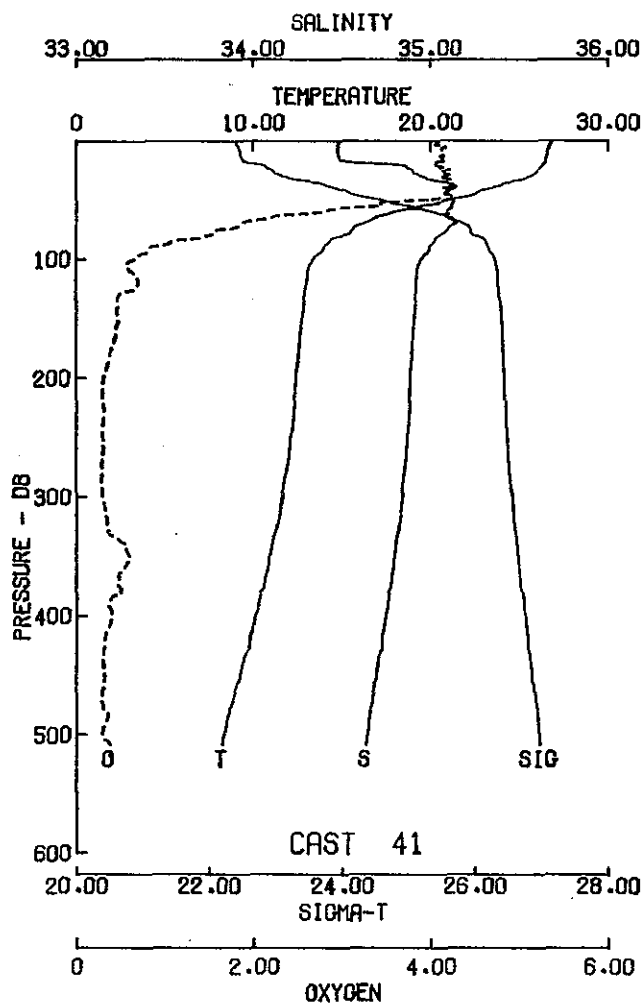


PRES (DB)	TEMP (C)	SAL (PPT)	DOXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.723	34.480	4.12	22.433	0.000
3.	26.723	34.480	4.19	22.433	
10.	26.706	34.479	4.25	22.438	.054
20.	26.607	34.4799	4.28	22.710	.108
30.	26.558	34.4855	4.27	22.722	.159
40.	26.364	34.4931	4.27	22.866	.210
50.	25.708	34.5002	4.29	23.144	.259
60.	24.388	34.5072	4.49	23.599	.304
70.	23.338	34.5144	4.45	23.963	.345
80.	21.732	34.5110	4.10	24.394	.383
90.	19.404	34.5174	3.16	25.067	.416
100.	18.126	34.5286	2.48	25.476	.443
110.	16.570	34.5182	2.18	25.772	.467
120.	15.246	34.5077	1.99	25.994	.488
130.	14.194	34.5012	1.80	26.173	.508
140.	13.512	34.4957	.71	26.273	.526
150.	13.113	34.4929	.73	26.333	.544
160.	12.930	34.4918	.64	26.361	.561
170.	12.777	34.4908	.49	26.384	.578
180.	12.646	34.4900	.49	26.404	.595
190.	12.549	34.4895	.39	26.418	.612
200.	12.419	34.4886	.46	26.437	.628
250.	12.027	34.4863	.39	26.496	.710
300.	11.501	34.4832	.31	26.571	.789
350.	11.013	34.4799	.26	26.633	.865
400.	10.376	34.4760	.39	26.718	.937
450.	9.604	34.4714	.33	26.815	1.006
500.	8.737	34.4663	.31	26.916	1.071
550.	8.163	34.4630	.50	26.979	1.131
600.	7.452	34.4593	.53	27.055	1.186
650.	6.763	34.4563	.49	27.128	1.242
700.	6.268	34.4533	1.1	27.190	1.293
750.	5.923	34.4533	1.33	27.217	1.342
800.	5.496	34.4528	1.63	27.264	1.389
850.	5.125	34.4527	1.84	27.307	1.433
900.	4.829	34.4528	1.96	27.342	1.476
950.	4.582	34.4531	2.06	27.372	1.518
1000.	4.243	34.4538	2.15	27.415	1.557
1019.	4.168	34.4540	2.16	27.423	

CAST EP2-81-0C-041 DATE 14 MAR 81 TIME 1845 GMT
LAT 4 29.3S LONG 110 01.5W

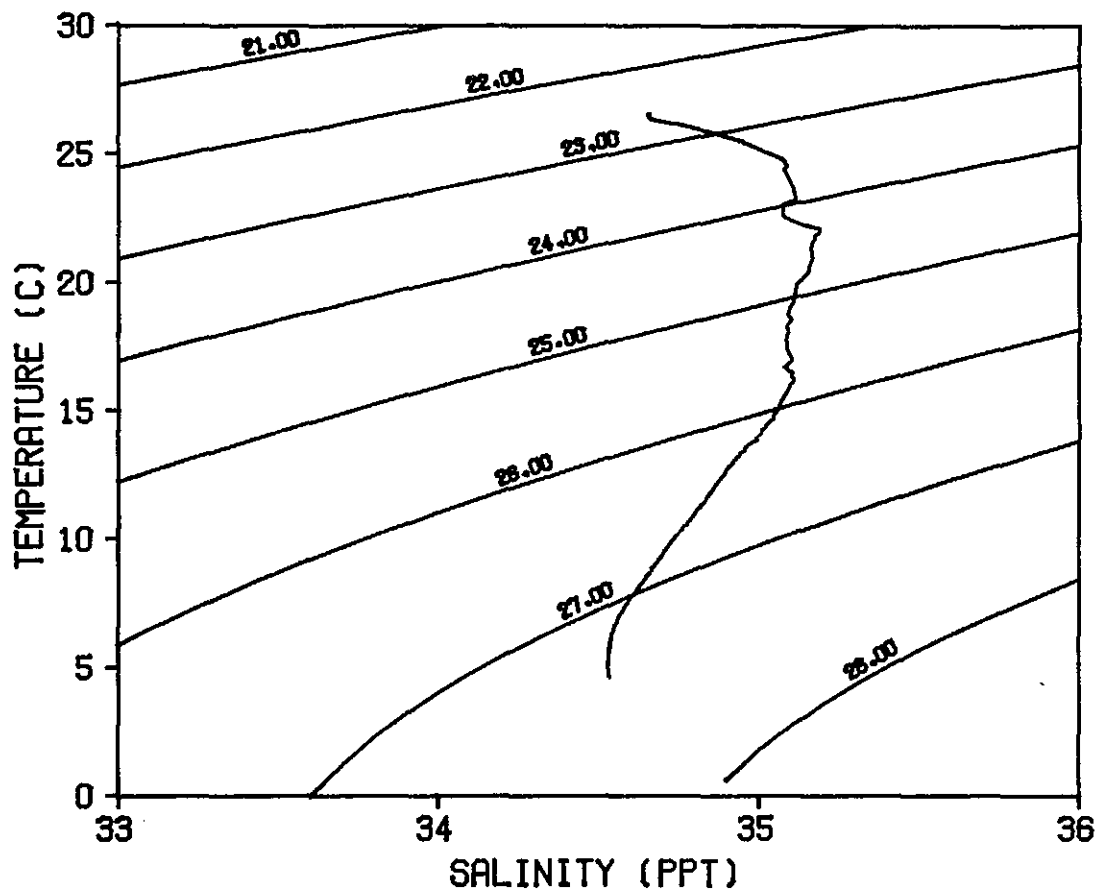


CAST EP2-81-OC-041 DATE 14 MAR 81 TIME 1845 GMT
 LAT 4 29.35 LONG 110 01.5W WEATHER 1 SEA STATE 4
 BAROMETER 14 WIND DIR 170 T SPD 05 KT VISIBILITY 8
 CLOUD 7 AMOUNT 2 DRY 29.9 WET 26.6 DEPTH M

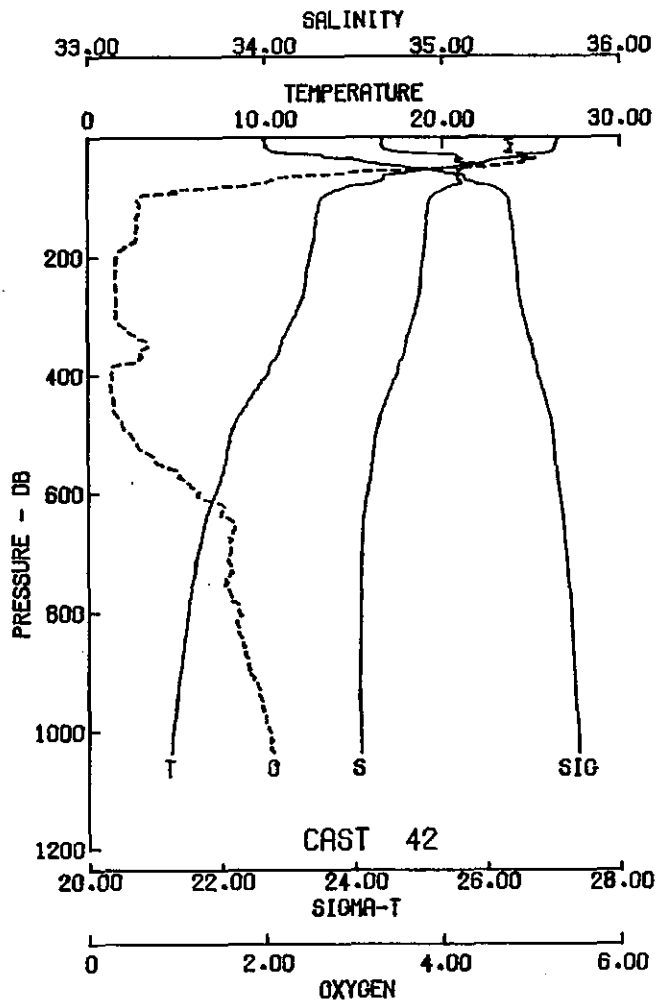


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.872	34.480	4.04	22.386	0.000
2.	26.816	34.485	4.09	22.409	
10.	26.593	34.477	4.16	22.472	.054
20.	26.398	34.483	4.04	22.764	.107
30.	25.647	34.495	4.17	23.124	.157
40.	23.474	35.142	4.16	23.921	.200
50.	21.011	35.132	3.97	24.608	.238
60.	17.987	35.095	2.81	25.364	.268
70.	16.218	35.144	1.87	25.825	.292
80.	15.232	35.050	1.50	25.976	.313
90.	13.978	34.995	.86	26.005	.332
100.	13.367	34.949	.67	26.096	.350
110.	13.067	34.925	.60	26.133	.368
120.	13.006	34.920	.71	26.134	.385
130.	12.894	34.918	.49	26.136	.402
140.	12.800	34.912	.47	26.138	.419
150.	12.715	34.906	.46	26.139	.436
160.	12.638	34.900	.44	26.140	.453
170.	12.570	34.896	.42	26.141	.469
180.	12.521	34.894	.38	26.142	.486
190.	12.470	34.889	.36	26.143	.503
200.	12.404	34.885	.31	26.144	.519
250.	12.092	34.868	.30	26.148	.601
300.	11.621	34.840	.30	26.154	.681
350.	10.901	34.795	.60	26.152	.757
400.	10.082	34.745	.40	26.157	.829
450.	9.268	34.694	.32	26.155	.896
500.	8.330	34.641	.30	26.162	.958
508.	8.216	34.634	.38	26.174	

CAST EP2-81-0C-042 DATE 14 MAR 81 TIME 2227 GMT
LAT 3 57.3S LONG 109 59.1W

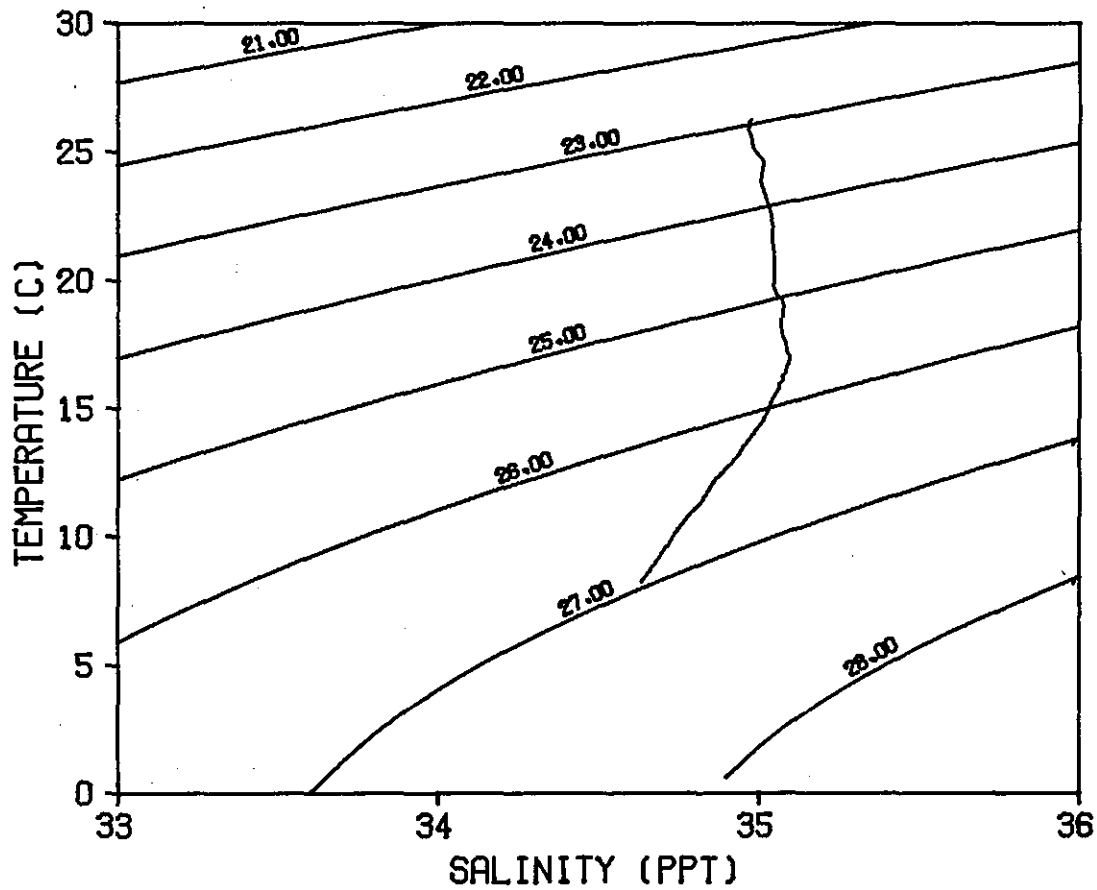


CAST EP2-81-OC-042 DATE 14 MAR 81 TIME 2227 GMT
 LAT 3 57.35 LONG 109 59.1W WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 170 T SPD 04 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 28.0 WET 25.5 DEPTH M

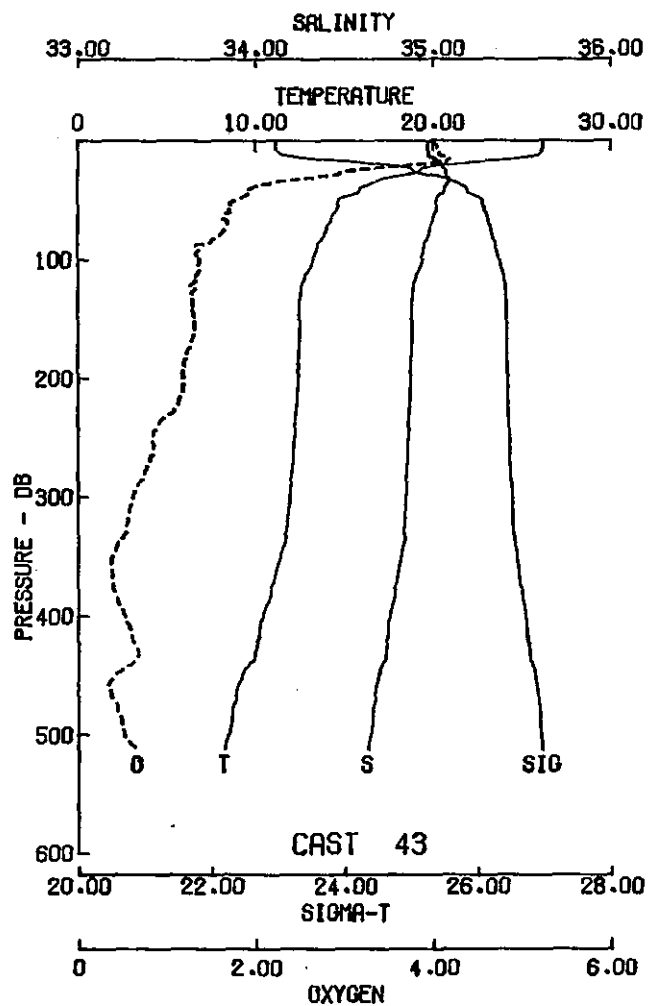


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.585	34.655	4.82	22.609	0.000
3.	26.534	34.655	4.78	22.625	
10.	26.440	34.656	4.74	22.655	.052
20.	26.311	34.676	4.76	22.711	.104
30.	24.686	35.082	4.94	23.516	.153
40.	22.647	35.075	4.90	24.109	.195
50.	20.440	35.156	4.46	24.781	.230
60.	17.908	35.087	2.89	25.378	.259
70.	16.642	35.086	2.10	25.681	.283
80.	15.392	35.071	1.81	25.957	.305
90.	13.863	34.996	1.03	26.230	.324
100.	13.287	34.940	.58	26.306	.342
110.	13.041	34.920	.58	26.340	.360
120.	12.987	34.919	.58	26.350	.377
130.	12.900	34.912	.56	26.362	.394
140.	12.835	34.908	.55	26.372	.411
150.	12.785	34.905	.55	26.380	.428
160.	12.741	34.901	.54	26.385	.445
170.	12.727	34.900	.54	26.388	.462
180.	12.646	34.897	.45	26.401	.479
190.	12.562	34.893	.35	26.415	.495
200.	12.480	34.889	.31	26.428	.512
250.	12.208	34.871	.31	26.467	.594
300.	11.645	34.838	.32	26.549	.675
350.	10.822	34.787	.67	26.660	.751
400.	10.074	34.739	.26	26.754	.822
450.	8.928	34.672	.28	26.893	.888
500.	8.055	34.622	.47	26.989	.948
550.	7.740	34.602	.80	27.020	1.005
600.	7.182	34.573	1.23	27.078	1.061
650.	6.569	34.547	1.65	27.141	1.114
700.	6.019	34.522	1.61	27.187	1.164
750.	5.588	34.537	1.57	27.223	1.213
800.	5.194	34.532	1.70	27.255	1.259
850.	4.837	34.531	1.74	27.280	1.305
900.	4.516	34.530	1.84	27.305	1.350
950.	4.251	34.530	1.96	27.330	1.393
1000.	4.700	34.531	2.04	27.359	1.436
1037.	4.633	34.532	2.10	27.368	

CAST EP2-81-0C-043 DATE 15 MAR 81 TIME 1541 GMT
LAT 2 40.0S LONG 109 57.5W

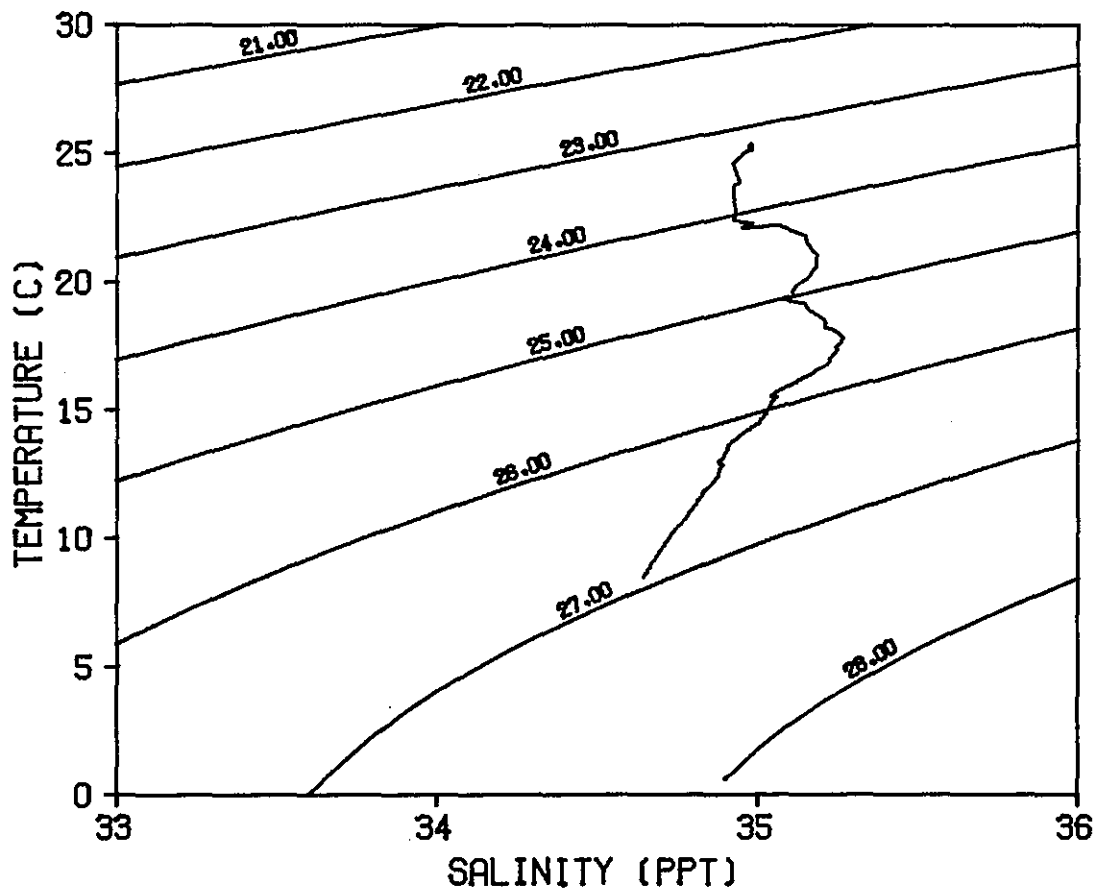


CAST EP2-81-DC-043 DATE 15 MAR 81 TIME 1541 GMT
 LAT 240.05 LONG 109 57.5W WEATHER 1 SEA STATE 3
 BARDMETER 14 WIND DIR 090 T SPD 03 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 25.7 WET 23.7 DEPTH M

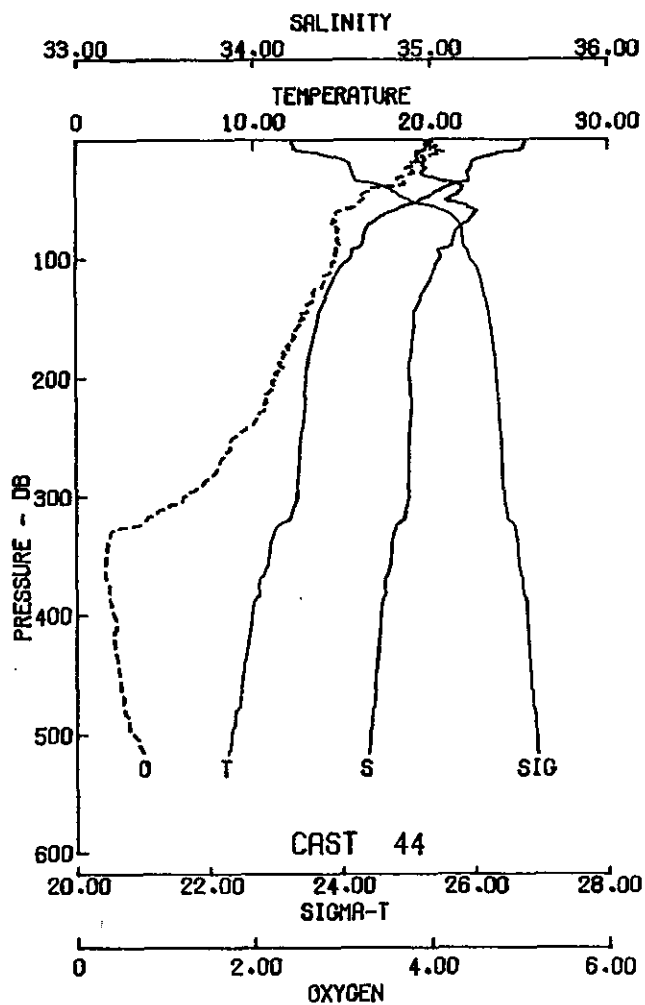


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.226	34.973	3.99	22.961	0.000
2.	26.213	34.972	4.00	22.964	
10.	26.049	34.967	4.07	23.012	.049
20.	21.085	35.047	3.77	24.524	.092
30.	17.782	35.075	2.79	25.400	.121
40.	15.862	35.063	1.93	25.845	.145
50.	14.637	35.017	1.76	26.081	.165
60.	14.468	35.014	1.70	26.115	.185
70.	14.119	34.986	1.68	26.170	.204
80.	13.822	34.972	1.59	26.220	.222
90.	13.451	34.948	1.32	26.278	.240
100.	13.188	34.935	1.36	26.322	.258
110.	12.918	34.916	1.35	26.362	.275
120.	12.598	34.890	1.28	26.405	.292
130.	12.507	34.884	1.26	26.419	.308
140.	12.434	34.879	1.32	26.429	.325
150.	12.433	34.879	1.29	26.429	.341
160.	12.432	34.878	1.30	26.429	.358
170.	12.422	34.878	1.27	26.431	.374
180.	12.401	34.876	1.20	26.433	.391
190.	12.363	34.872	1.18	26.438	.407
200.	12.339	34.870	1.17	26.440	.424
250.	12.131	34.857	.83	26.471	.506
300.	11.874	34.844	.61	26.510	.587
350.	11.378	34.818	.39	26.583	.666
400.	10.380	34.755	.53	26.713	.741
450.	9.202	34.690	.39	26.862	.809
500.	8.468	34.646	.52	26.945	.872
512.	8.237	34.633	.67	26.970	

CAST EP2-81-0C-044 DATE 16 MAR 81 TIME 1450 GMT
LAT 00 00.1N LONG 110 11.5W



CAST EP2-81-DC-044 DATE 16 MAR 81 TIME 1450 GMT
 LAT 00 00.1N LONG 110 11.5W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 000 T SPD 00 KT VISIBILITY 7
 CLOUD 2 AMOUNT 3 DRY 25.2 WET 23.6 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.352	34.976	3.96	23.234	0.000
1.	25.333	34.977	3.95	23.241	
10.	24.607	34.920	4.15	23.418	.046
20.	22.324	34.963	3.77	24.117	.087
30.	22.116	34.967	3.73	24.178	.125
40.	20.911	33.5184	3.38	24.675	.160
50.	19.469	33.5112	3.24	23.003	.192
60.	17.824	33.5265	2.98	23.535	.219
70.	16.606	33.5190	2.88	23.770	.243
80.	16.212	33.5133	2.93	23.818	.265
90.	16.031	33.5110	2.92	23.842	.287
100.	15.445	33.5056	2.89	23.933	.308
110.	14.793	33.5020	2.86	23.050	.329
120.	14.438	33.5095	2.79	23.107	.349
130.	14.120	33.5053	2.68	23.143	.368
140.	13.826	33.5024	2.60	23.182	.387
150.	13.591	33.5003	2.56	23.215	.406
160.	13.435	33.5003	2.44	23.247	.424
170.	13.298	33.5086	2.42	23.270	.442
180.	13.131	33.50889	2.35	23.298	.460
190.	12.901	33.50878	2.31	23.314	.478
200.	12.944	33.50882	2.22	23.330	.495
250.	12.627	33.50877	2.77	23.389	.582
300.	12.391	33.50872	2.20	23.432	.667
350.	10.846	33.50776	2.33	23.647	.746
400.	9.848	33.50714	2.41	23.773	.817
450.	9.342	33.50686	2.48	23.836	.884
500.	8.680	33.50652	2.64	23.916	.946
516.	8.493	33.50642	2.78	23.938	

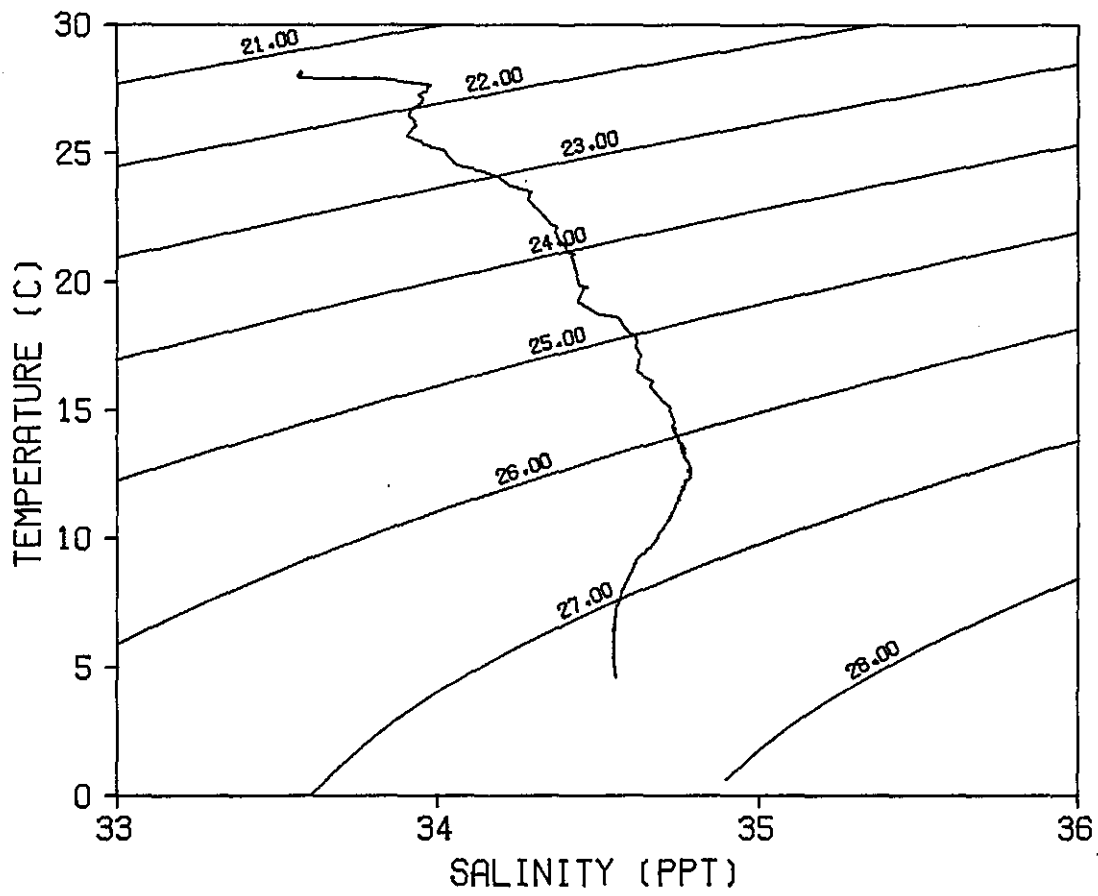


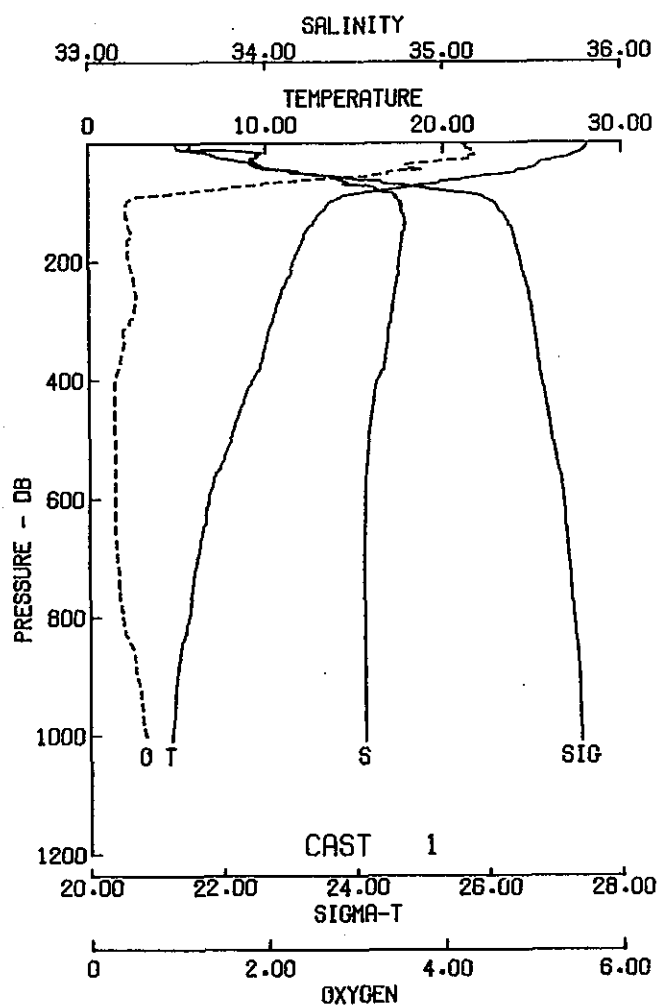
EP3-81-0C

25 May - 23 June 1981

NBIS CTD/O₂ Data Summary

CAST EP3-81-0C-001 DATE 29 MAY 81 TIME 1854 GMT
LAT 10 00.ON LONG 110 00.0W

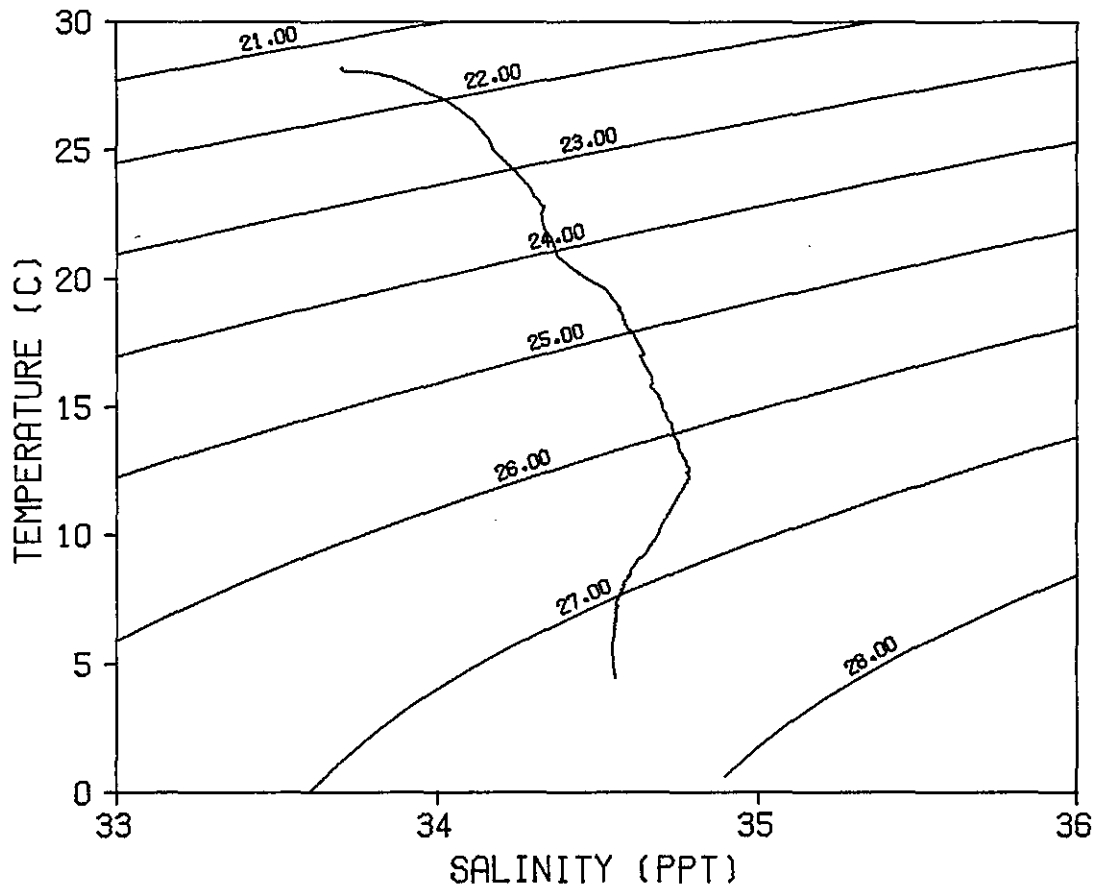




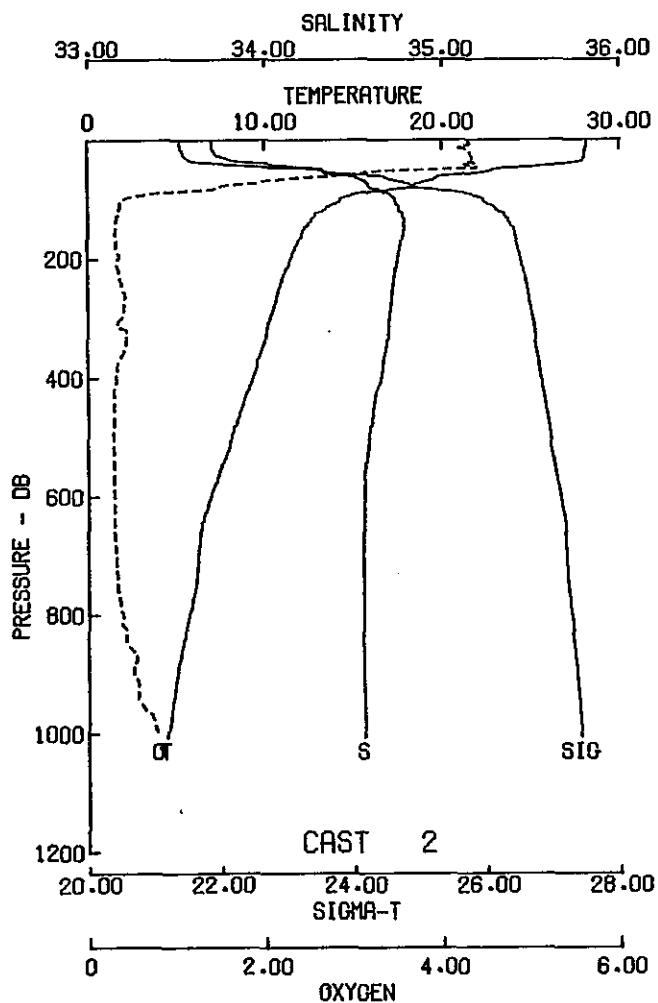
CAST EP3-81-0C-001 DATE 29 MAY 81 TIME 1854 GMT
 LAT 10 00.0N LONG 110 00.0W WEATHER 2 SEA STATE 4
 BARMETER 12 WIND DIR 260 T SPD 10 KT VISIBILITY 7
 CLOUD 9 AMOUNT 6 DRY 26.9 WET 25.1 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	28.161	33.570	4.21	21.287	0.000
1.	28.141	33.570	4.21	21.293	
10.	27.939	33.568	4.29	21.358	.065
20.	27.373	33.959	4.36	21.834	.127
30.	26.083	33.935	3.98	22.225	.185
40.	25.271	33.979	3.57	22.508	.240
50.	24.077	34.103	3.38	22.927	.291
60.	21.391	34.398	2.70	23.344	.335
70.	19.217	34.436	1.96	24.253	.372
80.	16.845	34.629	1.29	25.284	.402
90.	14.336	34.728	.56	25.923	.426
100.	13.668	34.762	.44	26.090	.446
110.	13.374	34.765	.42	26.153	.466
120.	13.019	34.776	.42	26.233	.484
130.	12.815	34.782	.43	26.317	.502
140.	12.558	34.788	.44	26.344	.520
150.	12.277	34.779	.47	26.382	.537
160.	12.152	34.769	.47	26.399	.554
170.	12.033	34.767	.44	26.420	.570
180.	11.881	34.762	.44	26.445	.587
190.	11.678	34.754	.44	26.477	.603
200.	11.548	34.752	.47	26.500	.619
250.	10.860	34.724	.52	26.605	.697
300.	10.356	34.702	.56	26.655	.770
350.	9.872	34.677	.57	26.699	.841
400.	9.253	34.628	.52	26.803	.909
450.	8.543	34.599	.29	26.893	.973
500.	7.982	34.573	.29	26.963	1.034
550.	7.282	34.556	.29	27.024	1.092
600.	6.728	34.551	.29	27.123	1.144
650.	6.411	34.551	.29	27.165	1.196
700.	6.087	34.548	.31	27.206	1.246
750.	5.812	34.548	.33	27.240	1.293
800.	5.576	34.544	.33	27.270	1.339
850.	5.140	34.549	.47	27.327	1.384
900.	4.903	34.551	.52	27.357	1.426
950.	4.781	34.552	.58	27.367	1.467
1000.	4.624	34.553	.63	27.385	1.508
1009.	4.602	34.554	.64	27.388	

CAST EP3-81-0C-002 DATE 29 MAY 81 TIME 2233 GMT
LAT 09 30.6N LONG 109 59.3W



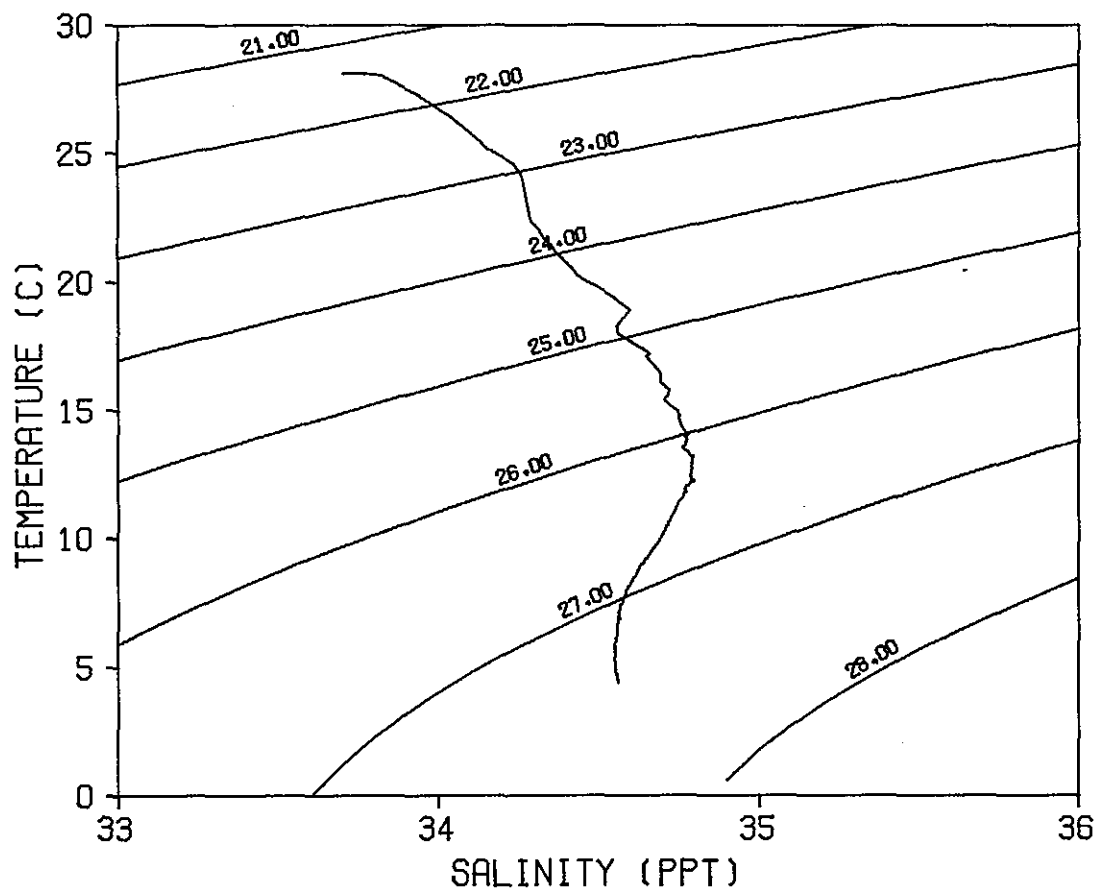
415



CAST EP3-81-0C-002 DATE 29 MAY 81 TIME 2233 GMT
 LAT 09 30.6N LONG 109 59.3W WEATHER 3 SEA STATE 4
 BAROMETER 10 WIND DIR 270 T SPD 20 KT VISIBILITY 7
 CLOUD 9 AMOUNT 6 DRY 27.1 WET 25.1 DEPTH M

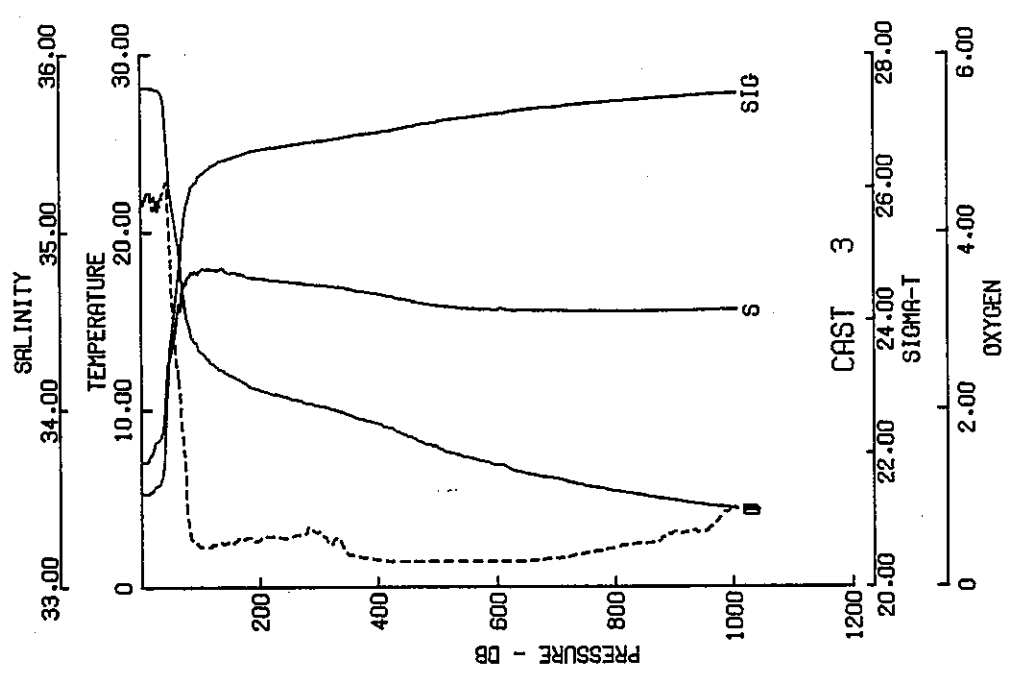
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	28.161	33.702	4.26	21.386	0.000
5.	28.164	33.702	4.30	21.385	
10.	28.163	33.703	4.27	21.386	.064
20.	28.063	33.713	4.32	21.426	.128
30.	28.026	33.769	4.34	21.480	.192
40.	27.012	34.011	4.38	21.989	.254
50.	22.993	34.322	4.09	23.440	.306
60.	20.379	34.433	4.08	24.240	.348
70.	19.134	34.554	4.09	24.806	.388
80.	18.269	34.588	4.05	24.908	.415
90.	15.343	34.646	4.02	25.679	.442
100.	14.253	34.735	4.38	25.946	.464
110.	13.769	34.745	4.36	26.056	.484
120.	13.299	34.755	4.35	26.160	.504
130.	12.781	34.776	4.32	26.281	.522
140.	12.469	34.782	4.30	26.347	.539
150.	12.185	34.783	4.31	26.403	.556
160.	12.070	34.779	4.30	26.422	.573
170.	11.930	34.770	4.33	26.442	.589
180.	11.751	34.764	4.32	26.471	.606
190.	11.597	34.756	4.33	26.494	.622
200.	11.479	34.751	4.35	26.512	.638
250.	10.812	34.721	4.39	26.611	.714
300.	9.275	34.701	4.37	26.690	.787
350.	9.882	34.686	4.41	26.746	.857
400.	9.310	34.656	4.31	26.788	.925
450.	8.672	34.611	4.29	26.883	.989
500.	8.076	34.553	4.29	26.953	1.051
550.	7.520	34.566	4.29	27.023	1.109
600.	6.892	34.599	4.29	27.107	1.164
650.	6.350	34.554	4.29	27.176	1.215
700.	6.184	34.553	4.31	27.197	1.265
750.	6.051	34.552	4.32	27.214	1.313
800.	5.639	34.550	4.39	27.264	1.360
850.	5.331	34.551	4.44	27.302	1.405
900.	4.997	34.553	4.51	27.343	1.449
950.	4.711	34.553	4.58	27.377	1.490
1000.	4.456	34.553	4.78	27.409	1.530
1006.	4.433	34.559	4.80	27.411	

CAST EP3-81-0C-003 DATE 30 MAY 81 TIME 0157 GMT
LAT 09 00.5N LONG 109 59.6W

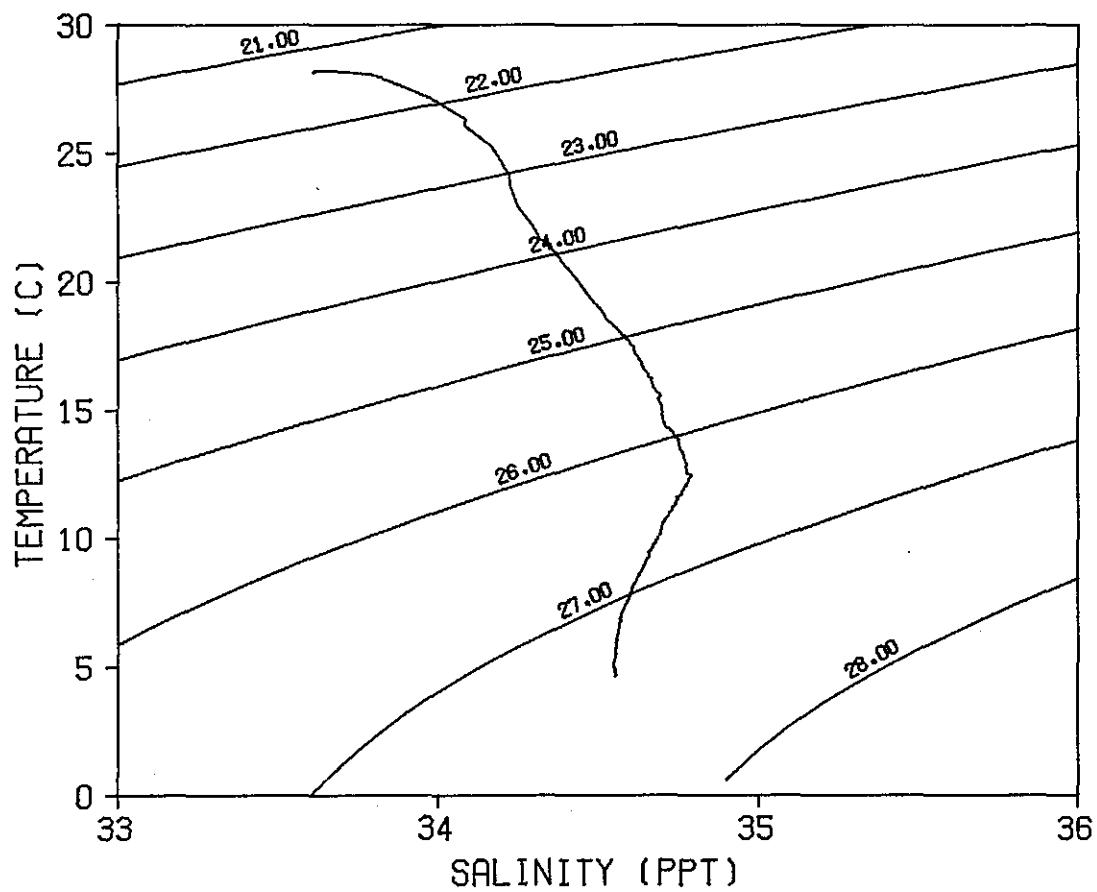


CAST EP3-81-DC-003 DATE 30 MAY 81 TIME 0157 GMT
 LAT 09 00.5N LONG 109 59.6W WEATHER 2 SEA STATE 4
 BAROMETER 11 WIND SPD 20 KT MET 24.9 VISIBILITY 7
 CLOUD 2 AMOUNT 6 DRY 26.8 MET 24.9 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	125	33.705	4.31	21.400	0.000
10	131	33.706	4.36	21.400	.064
20	137	33.771	4.44	21.400	.191
30	145	33.832	4.53	21.400	.253
40	152	33.896	4.61	21.400	.302
50	159	34.052	4.77	21.400	.341
60	163	34.199	4.84	21.400	.372
70	168	34.341	4.92	21.400	.417
80	171	34.478	5.00	21.400	.455
90	174	34.610	5.08	21.400	.490
100	176	34.737	5.16	21.400	.523
110	178	34.860	5.24	21.400	.555
120	180	34.979	5.32	21.400	.586
130	181	35.094	5.40	21.400	.618
140	182	35.205	5.48	21.400	.670
150	183	35.312	5.56	21.400	.708
160	184	35.416	5.64	21.400	.748
170	185	35.517	5.72	21.400	.785
180	186	35.615	5.80	21.400	.818
190	187	35.710	5.88	21.400	.849
200	188	35.802	5.96	21.400	.885
250	191	36.059	6.29	21.400	.949
300	194	36.316	6.61	21.400	1.005
350	197	36.573	6.93	21.400	1.061
400	200	36.830	7.25	21.400	1.117
450	203	37.087	7.57	21.400	1.170
500	206	37.344	7.89	21.400	1.219
550	209	37.601	8.21	21.400	1.269
600	212	37.858	8.53	21.400	1.315
650	215	38.115	8.85	21.400	1.359
700	218	38.372	9.17	21.400	1.398
750	221	38.629	9.49	21.400	1.437
800	224	38.886	9.81	21.400	1.477
850	227	39.143	10.13	21.400	1.517
900	230	39.400	10.45	21.400	1.559
950	233	39.657	10.77	21.400	1.598
1000	236	39.914	11.09	21.400	1.638
1006	237	39.956	11.11	21.400	1.647

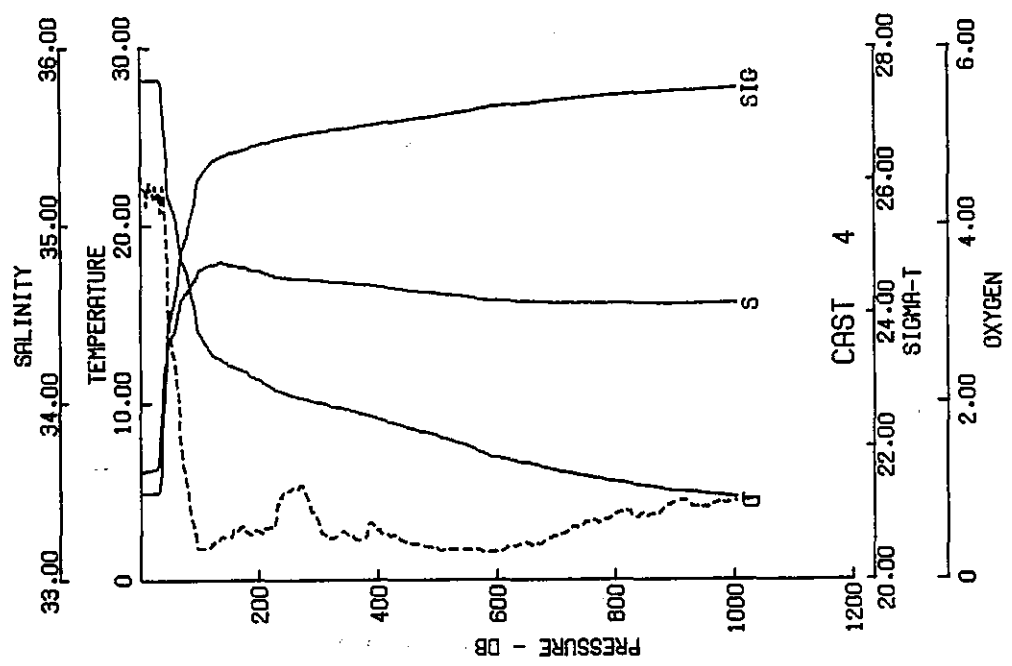


CAST EP3-81-0C-004 DATE 30 MAY 81 TIME 0540 GMT
LAT 08 30.0N LONG 110 00.0W

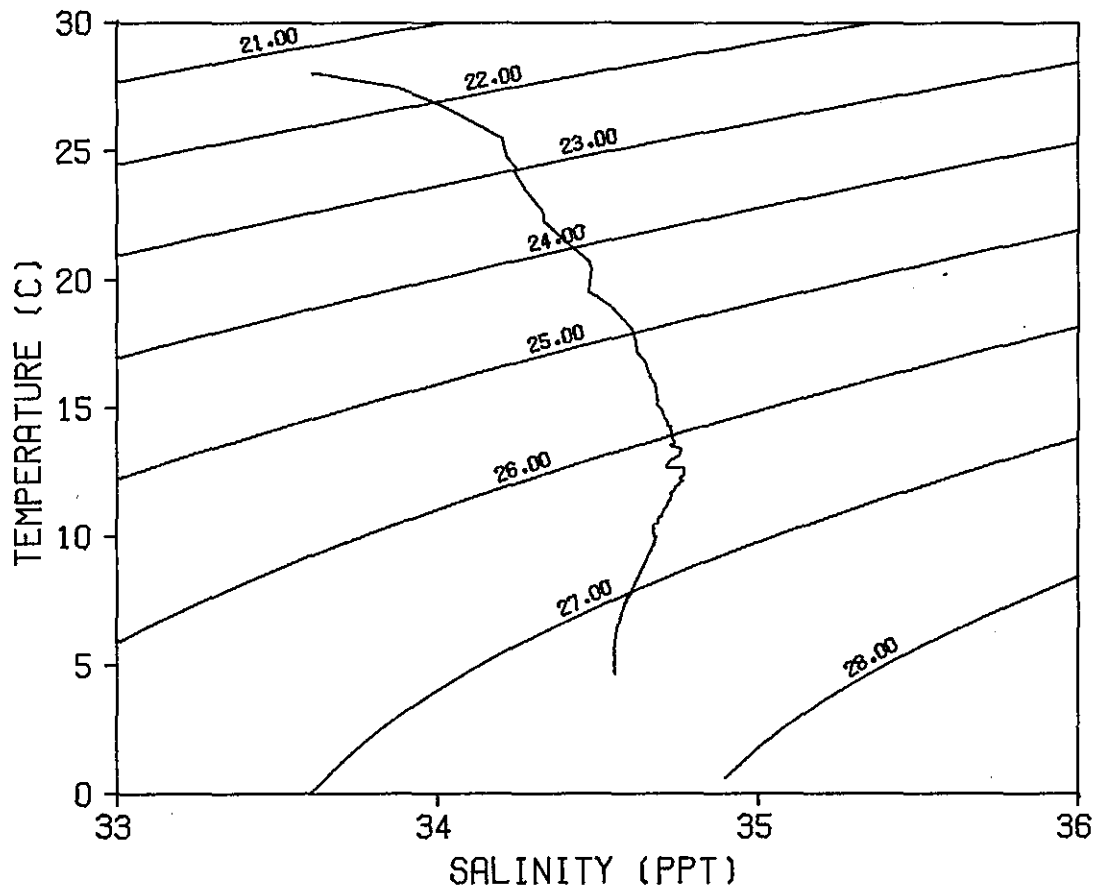


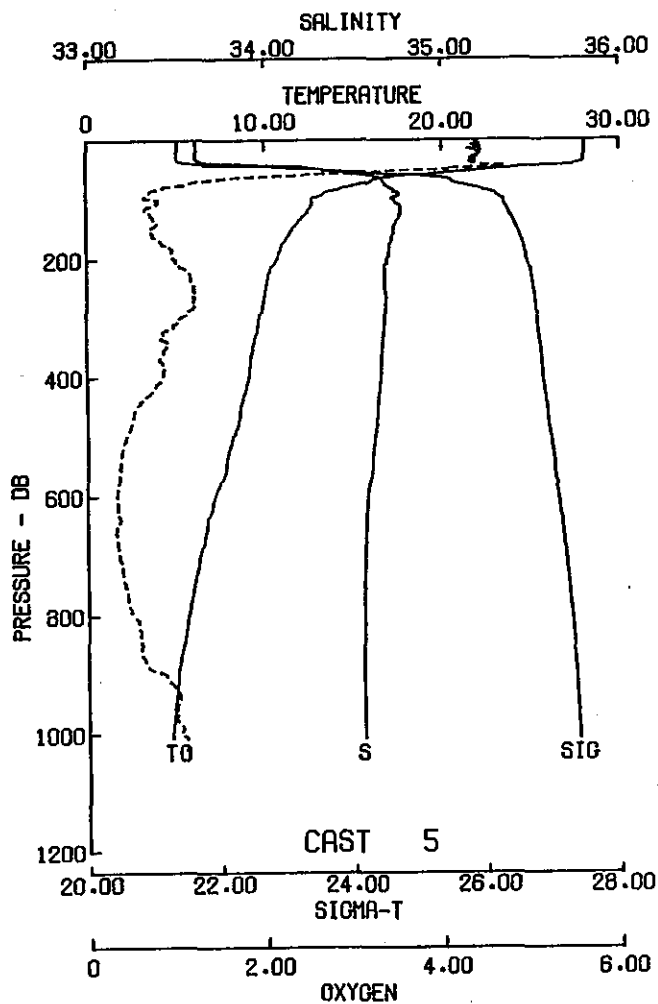
CAST EP3-81-0C-004 DATE 30 MAY 81 TIME 0540 GMT
 LAT 08 30.0N LONG 110 00.0W WEATHER 6 SEA STATE 4
 BAROMETER 13 WIND DIR 250 T SPD 26 KT VISIBILITY 6
 CLOUD 8 AMOUNT 8 DRY 24.7 WET 24.3 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	DXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	150	33.613	4.56	3230	0.000
10	150	33.622	4.27	3111	0.065
20	150	33.627	4.33	3111	1.195
30	150	33.633	4.37	3233	2.501
40	150	33.637	4.38	3392	3.410
50	150	33.641	4.36	2847	3.733
60	150	33.644	4.02	2560	4.28
70	150	33.647	3.58	2602	4.50
80	150	33.649	3.55	2644	4.70
90	150	33.651	3.58	2679	4.88
100	150	33.653	3.49	2691	5.06
110	150	33.655	3.49	2691	5.23
120	150	33.657	3.56	2691	5.40
130	150	33.659	3.54	2691	5.57
140	150	33.661	3.54	2691	5.72
150	150	33.663	3.54	2691	5.89
160	150	33.665	3.54	2691	6.04
170	150	33.667	3.54	2691	6.20
180	150	33.669	3.54	2691	6.35
190	150	33.671	3.54	2691	6.50
200	150	33.673	3.54	2691	6.65
210	150	33.675	3.54	2691	6.80
220	150	33.677	3.54	2691	6.95
230	150	33.679	3.54	2691	7.10
240	150	33.681	3.54	2691	7.25
250	150	33.683	3.54	2691	7.40
260	150	33.685	3.54	2691	7.55
270	150	33.687	3.54	2691	7.70
280	150	33.689	3.54	2691	7.85
290	150	33.691	3.54	2691	8.00
300	150	33.693	3.54	2691	8.15
310	150	33.695	3.54	2691	8.30
320	150	33.697	3.54	2691	8.45
330	150	33.699	3.54	2691	8.60
340	150	33.701	3.54	2691	8.75
350	150	33.703	3.54	2691	8.90
360	150	33.705	3.54	2691	9.05
370	150	33.707	3.54	2691	9.20
380	150	33.709	3.54	2691	9.35
390	150	33.711	3.54	2691	9.50
400	150	33.713	3.54	2691	9.65
410	150	33.715	3.54	2691	9.80
420	150	33.717	3.54	2691	9.95
430	150	33.719	3.54	2691	10.10
440	150	33.721	3.54	2691	10.25
450	150	33.723	3.54	2691	10.40
460	150	33.725	3.54	2691	10.55
470	150	33.727	3.54	2691	10.70
480	150	33.729	3.54	2691	10.85
490	150	33.731	3.54	2691	11.00
500	150	33.733	3.54	2691	11.15
510	150	33.735	3.54	2691	11.30
520	150	33.737	3.54	2691	11.45
530	150	33.739	3.54	2691	11.60
540	150	33.741	3.54	2691	11.75
550	150	33.743	3.54	2691	11.90
560	150	33.745	3.54	2691	12.05
570	150	33.747	3.54	2691	12.20
580	150	33.749	3.54	2691	12.35
590	150	33.751	3.54	2691	12.50
600	150	33.753	3.54	2691	12.65
610	150	33.755	3.54	2691	12.80
620	150	33.757	3.54	2691	12.95
630	150	33.759	3.54	2691	13.10
640	150	33.761	3.54	2691	13.25
650	150	33.763	3.54	2691	13.40
660	150	33.765	3.54	2691	13.55
670	150	33.767	3.54	2691	13.70
680	150	33.769	3.54	2691	13.85
690	150	33.771	3.54	2691	14.00
700	150	33.773	3.54	2691	14.15
710	150	33.775	3.54	2691	14.30
720	150	33.777	3.54	2691	14.45
730	150	33.779	3.54	2691	14.60
740	150	33.781	3.54	2691	14.75
750	150	33.783	3.54	2691	14.90
760	150	33.785	3.54	2691	15.05
770	150	33.787	3.54	2691	15.20
780	150	33.789	3.54	2691	15.35
790	150	33.791	3.54	2691	15.50
800	150	33.793	3.54	2691	15.65
810	150	33.795	3.54	2691	15.80
820	150	33.797	3.54	2691	15.95
830	150	33.799	3.54	2691	16.10
840	150	33.801	3.54	2691	16.25
850	150	33.803	3.54	2691	16.40
860	150	33.805	3.54	2691	16.55
870	150	33.807	3.54	2691	16.70
880	150	33.809	3.54	2691	16.85
890	150	33.811	3.54	2691	17.00
900	150	33.813	3.54	2691	17.15
910	150	33.815	3.54	2691	17.30
920	150	33.817	3.54	2691	17.45
930	150	33.819	3.54	2691	17.60
940	150	33.821	3.54	2691	17.75
950	150	33.823	3.54	2691	17.90
960	150	33.825	3.54	2691	18.05
970	150	33.827	3.54	2691	18.20
980	150	33.829	3.54	2691	18.35
990	150	33.831	3.54	2691	18.50
1000	150	33.833	3.54	2691	18.65
1002	150	33.835	3.54	2691	18.80



CAST EP3-81-0C-005 DATE 30 MAY 81 TIME 0935 GMT
LAT 08 01.1N LONG 109 58.9W

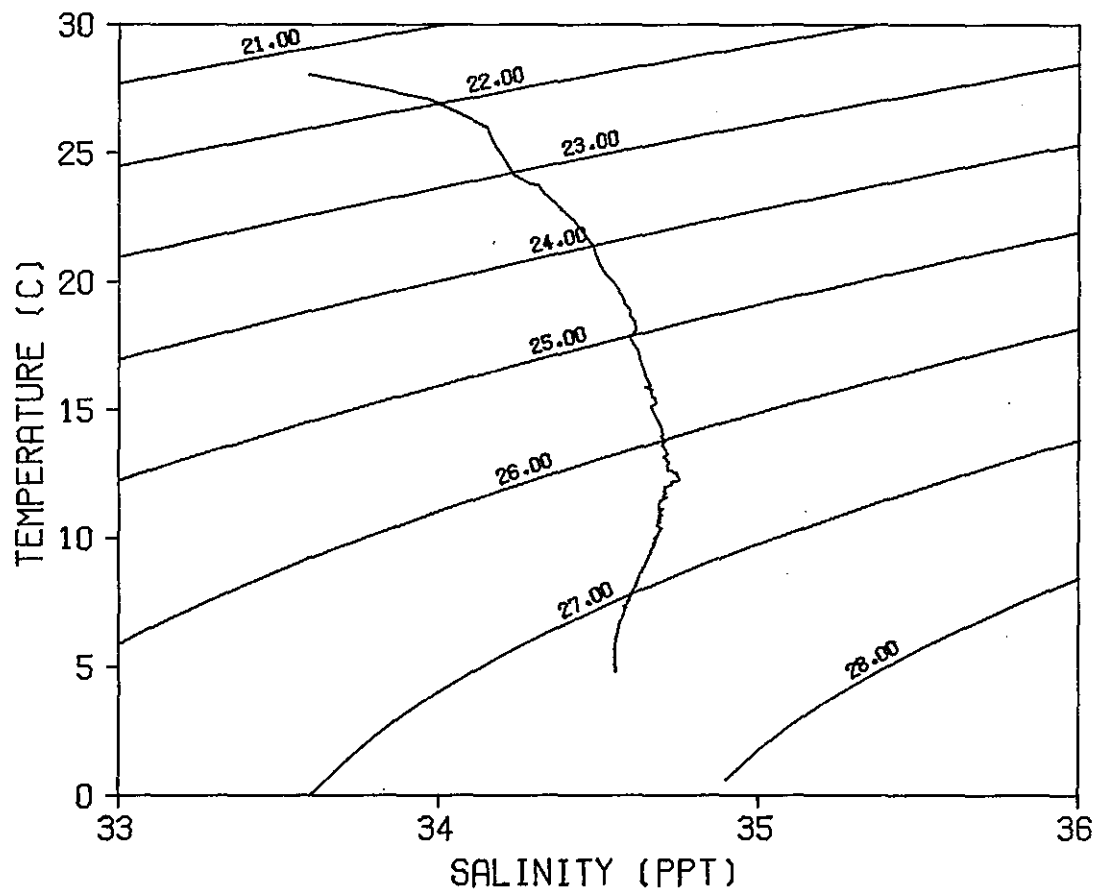




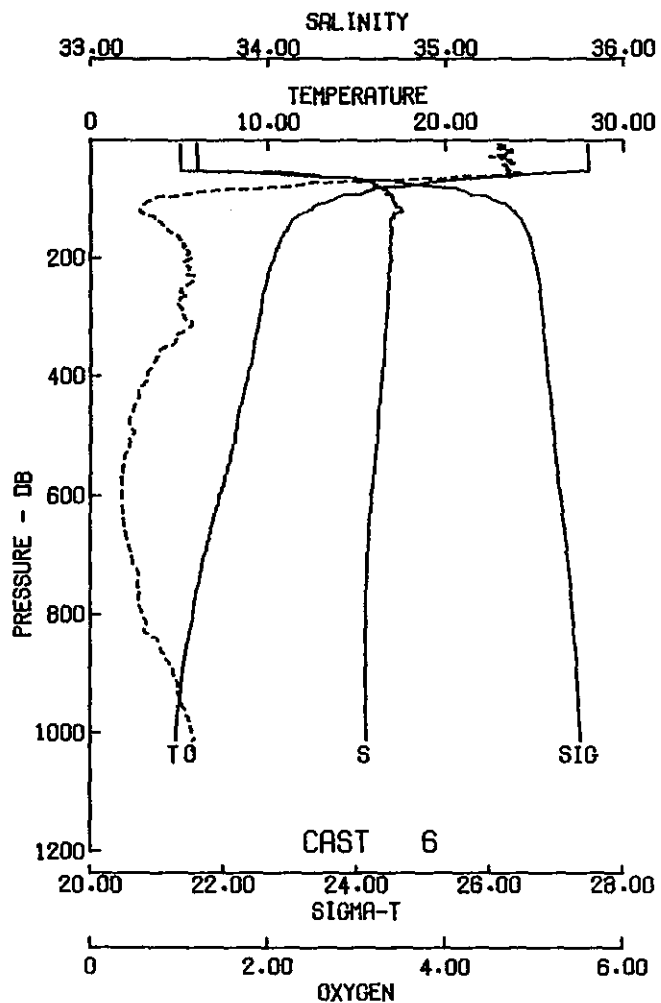
CAST EP3-81-DC-005 DATE 30 MAY 81 TIME 0935 GHT
 LAT 08 01.1N LONG 109 38.9W WEATHER 2 SEA STATE 4
 BAROMETER 11 WIND DIR 230 T SPD 21 KT VISIBILITY 6
 CLOUD 5 AMOUNT 8 DRY 26.6 WET 24.4 DEPTH

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	28.038	33.612	4.37	21.359	0.000
2.	28.035	33.612	4.41	21.359	
10.	28.039	33.612	4.36	21.358	.064
20.	28.044	33.614	4.40	21.358	.129
30.	28.042	33.613	4.34	21.358	.194
40.	27.738	33.754	4.39	21.563	.258
50.	22.737	34.324	4.09	23.515	.311
60.	18.018	34.613	2.45	24.989	.349
70.	16.078	34.671	1.23	25.494	.376
80.	14.658	34.700	.87	25.837	.400
90.	13.389	34.760	.70	26.146	.420
100.	12.691	34.722	.73	26.257	.438
110.	12.698	34.763	.76	26.287	.456
120.	12.459	34.770	.70	26.340	.474
130.	12.159	34.764	.74	26.393	.491
140.	11.867	34.743	.79	26.433	.507
150.	11.581	34.729	.71	26.476	.524
160.	11.396	34.728	.74	26.509	.539
170.	11.174	34.715	.83	26.540	.553
180.	10.942	34.704	.94	26.574	.570
190.	10.823	34.701	.96	26.593	.585
200.	10.724	34.692	.99	26.604	.600
250.	10.076	34.677	1.21	26.705	.672
300.	9.696	34.678	1.04	26.771	.740
350.	9.344	34.664	.89	26.819	.807
400.	9.089	34.654	.84	26.852	.872
450.	8.632	34.636	.55	26.911	.935
500.	8.171	34.618	.43	26.968	.996
550.	7.774	34.603	.36	27.015	1.054
600.	7.174	34.597	.33	27.084	1.110
650.	6.718	34.568	.33	27.138	1.163
700.	6.280	34.560	.35	27.190	1.213
750.	5.928	34.556	.41	27.232	1.262
800.	5.608	34.553	.51	27.270	1.308
850.	5.351	34.553	.61	27.301	1.353
900.	5.036	34.553	.87	27.338	1.399
950.	4.867	34.553	1.00	27.358	1.439
1000.	4.679	34.553	1.04	27.381	1.480
1007.	4.669	34.553	1.10	27.382	

CAST EP3-81-0C-006 DATE 30 MAY 81 TIME 1330 GMT
LAT 07 30.0N LONG 109 59.1W



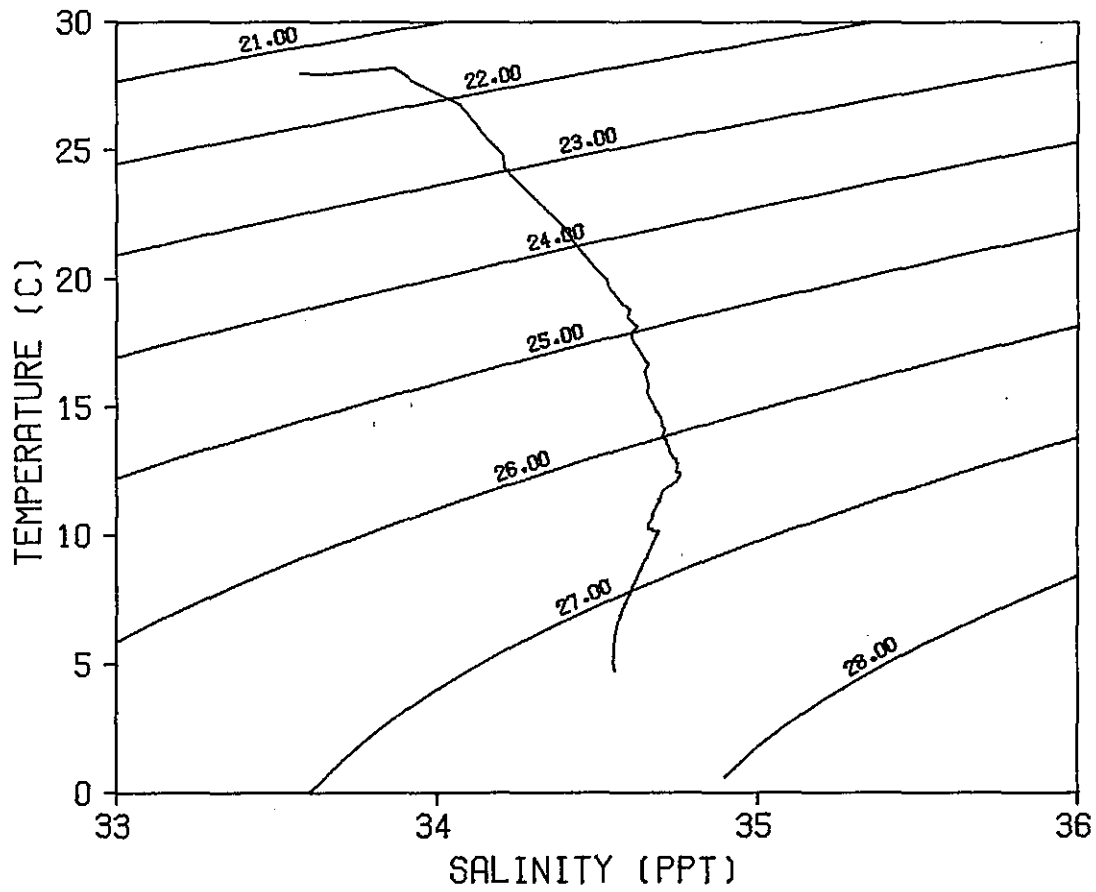
423



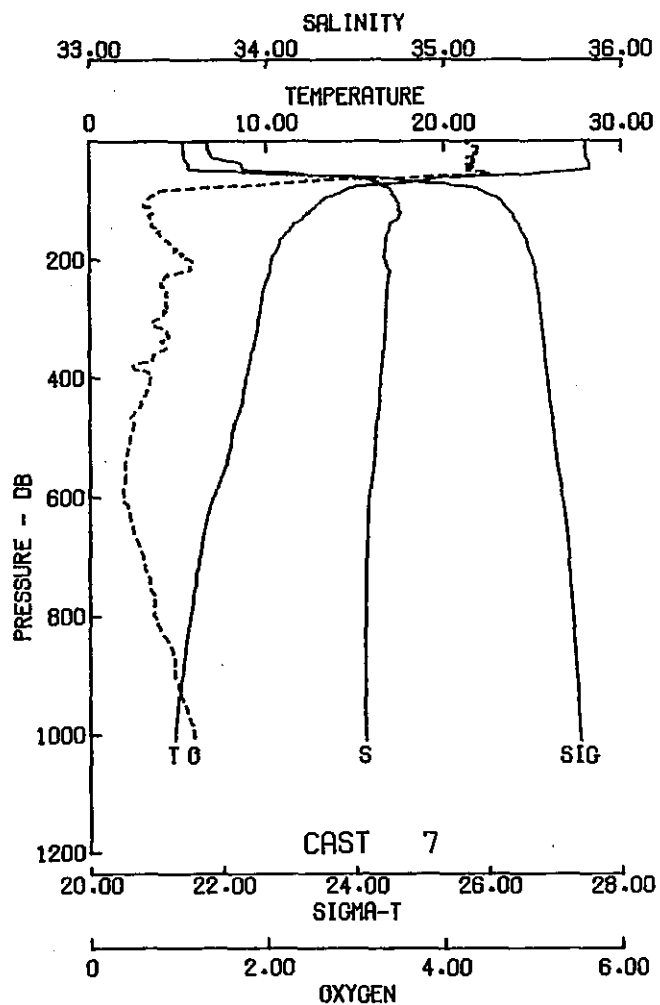
CAST EP3-81-0C-006 DATE 30 MAY 81 TIME 1330 GMT
 LAT 07 30.0N LONG 109 59.1W WEATHER 2 SEA STATE 4
 BAROMETER 10 WIND DIR 220 T SPD 20 KT VISIBILITY 7
 CLOUD 2 AMOUNT 7 DRY 25.0 WET 24.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	DOXY (ML/L)	SIG-T	DELTA-D (DYN-M)
7.	28.031	33.600	4.59	21.352	
10.	28.030	33.600	4.70	21.352	.065
20.	28.033	33.601	4.77	21.352	.129
30.	28.039	33.602	4.66	21.351	.194
40.	28.039	33.603	4.77	21.351	.258
50.	28.037	33.604	4.72	21.352	.323
60.	23.784	4.283	4.53	23.182	.380
70.	19.426	4.574	3.04	24.605	.420
80.	16.423	4.633	2.06	25.313	.451
90.	15.533	4.681	1.18	25.669	.476
100.	15.530	4.706	.71	26.021	.497
110.	14.762	4.716	.60	26.238	.517
120.	14.288	4.755	.56	26.362	.534
130.	14.691	4.706	.70	26.438	.551
140.	14.312	4.690	.79	26.496	.567
150.	14.133	4.700	.86	26.536	.583
160.	14.894	4.700	.94	26.579	.598
170.	14.715	4.689	1.02	26.603	.613
180.	14.595	4.689	1.07	26.623	.628
190.	14.461	4.687	1.11	26.647	.642
200.	14.369	4.691	1.11	26.666	.656
250.	9.845	4.678	1.04	26.746	.726
300.	9.526	4.668	1.06	26.792	.793
350.	9.235	4.657	.89	26.831	.859
400.	8.906	4.646	.64	26.876	.923
450.	8.471	4.627	.50	26.929	.985
500.	8.159	4.618	.45	26.970	1.045
550.	7.780	4.603	.37	27.014	1.103
600.	7.283	4.585	.36	27.072	1.160
650.	6.877	4.573	.38	27.120	1.213
700.	6.461	4.563	.47	27.168	1.265
750.	6.058	4.555	.53	27.215	1.314
800.	5.781	4.552	.58	27.248	1.362
850.	5.465	4.552	.78	27.286	1.408
900.	5.229	4.552	.93	27.314	1.452
950.	5.048	4.551	1.02	27.335	1.495
1000.	4.832	4.554	1.14	27.362	1.537
1012.	4.813	4.554	1.15	27.364	

CAST EP3-81-0C-007 DATE 30 MAY 81 TIME 1722 GMT
LAT 07 00.2N LONG 110 00.0W



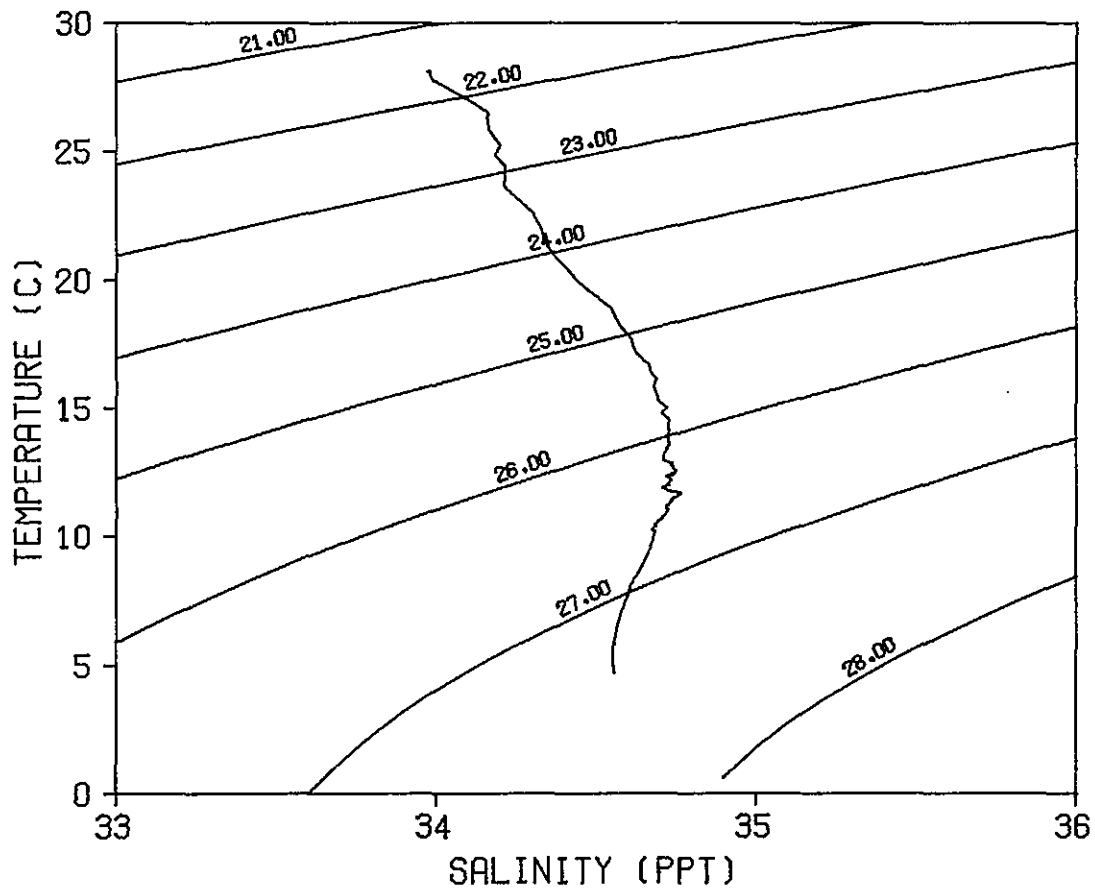
425



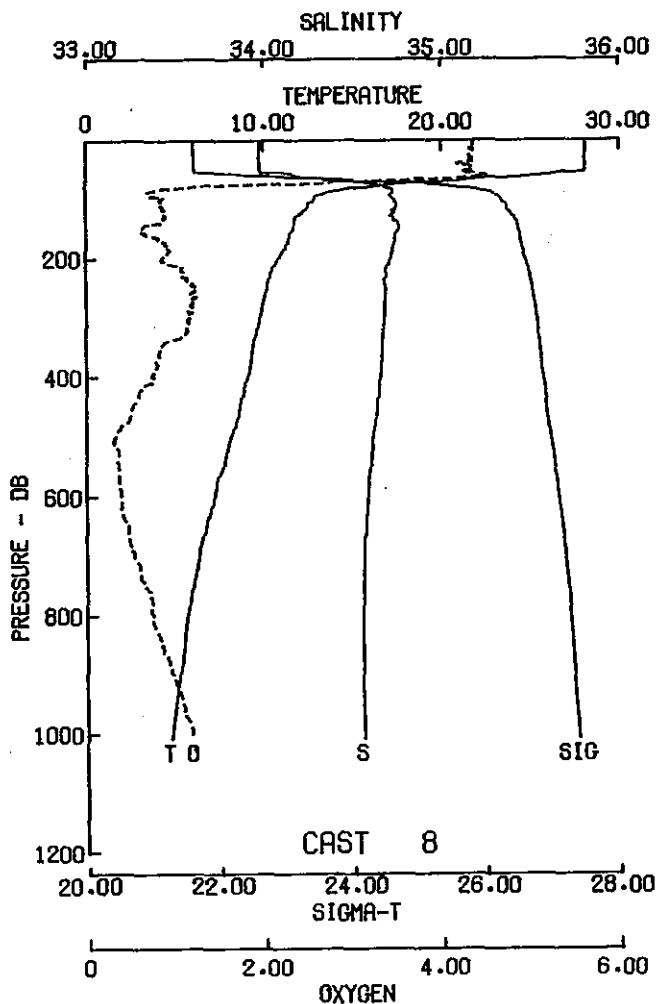
CAST EP3-81-DC-007 DATE 30 MAY 81 TIME 1722 GMT
 LAT 07 00.2N LONG 110 00.0W WEATHER 2 SEA STATE 4
 BARMETER 13 WIND DIR 200 T SPD 20 KT VISIBILITY 6
 CLOUD 8 AMOUNT 8 DRY 27.3 WET 24.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.984	33.616	4.27	21.379	0.000
1.	27.984	33.577	4.29	21.350	
10.	27.987	33.670	4.38	21.419	.064
20.	28.003	33.680	4.34	21.421	.128
30.	28.052	33.729	4.33	21.442	.192
40.	28.199	33.860	4.26	21.492	.255
50.	27.707	33.922	4.28	21.696	.318
60.	27.146	33.448	3.84	21.699	.370
70.	27.878	33.607	2.30	25.019	.403
80.	24.604	33.697	1.14	25.841	.428
90.	13.867	34.704	.74	26.004	.450
100.	13.115	34.735	.64	26.182	.469
110.	12.820	34.747	.62	26.251	.487
120.	12.450	34.754	.70	26.329	.505
130.	12.101	34.746	.69	26.391	.522
140.	11.563	34.698	.71	26.455	.539
150.	11.345	34.694	.76	26.493	.555
160.	11.015	34.677	.80	26.540	.570
170.	10.755	34.671	.89	26.582	.585
180.	10.674	34.672	.95	26.597	.600
190.	10.476	34.664	1.06	26.626	.615
200.	10.253	34.666	1.13	26.666	.630
250.	9.829	34.680	.87	26.750	.699
300.	9.536	34.670	.78	26.792	.766
350.	9.237	34.659	.87	26.832	.832
400.	8.825	34.642	.69	26.885	.896
450.	8.514	34.631	.56	26.925	.958
500.	8.033	34.613	.46	26.985	1.017
550.	7.636	34.598	.39	27.032	1.075
600.	6.984	34.575	.38	27.106	1.130
650.	6.502	34.564	.48	27.164	1.181
700.	6.197	34.560	.60	27.201	1.230
750.	5.972	34.556	.68	27.227	1.278
800.	5.656	34.553	.72	27.264	1.325
850.	5.416	34.552	.91	27.292	1.371
900.	5.231	34.552	.96	27.315	1.415
950.	4.966	34.552	1.07	27.345	1.458
1000.	4.789	34.554	1.17	27.368	1.499
1010.	4.762	34.556	1.18	27.372	

CAST EP3-81-0C-008 DATE 30 MAY 81 TIME 2053 GMT
LAT 06 31.9N LONG 109 58.6W



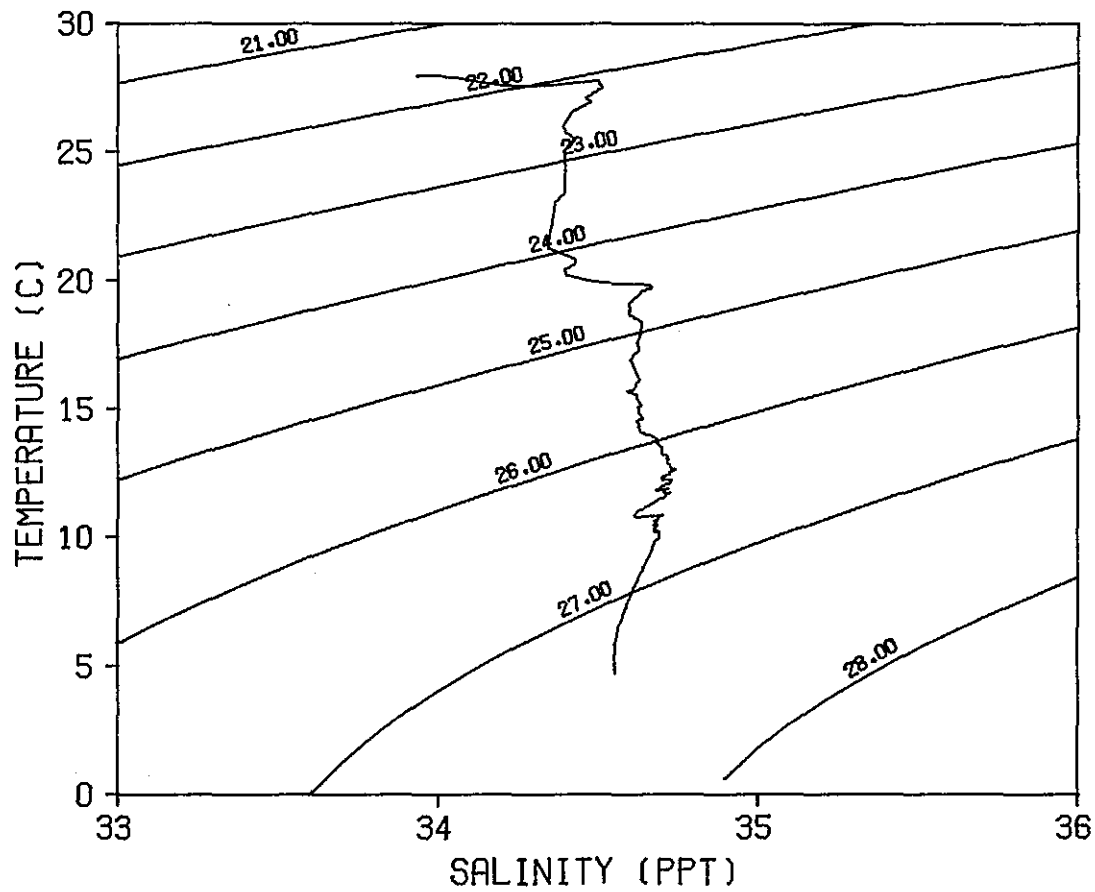
CAST EP3-81-DC-008 DATE 30 MAY 81 TIME 2053 GMT
 LAT 06 31.9N LONG 109 58.6W WEATHER 2 SEA STATE 4
 BARMETER 12 WIND DIR 190 T SPD 22 KT VISIBILITY 7
 CLOUD 6 AMOUNT 7 DRY 27.6 WET 23.7 DEPTH M



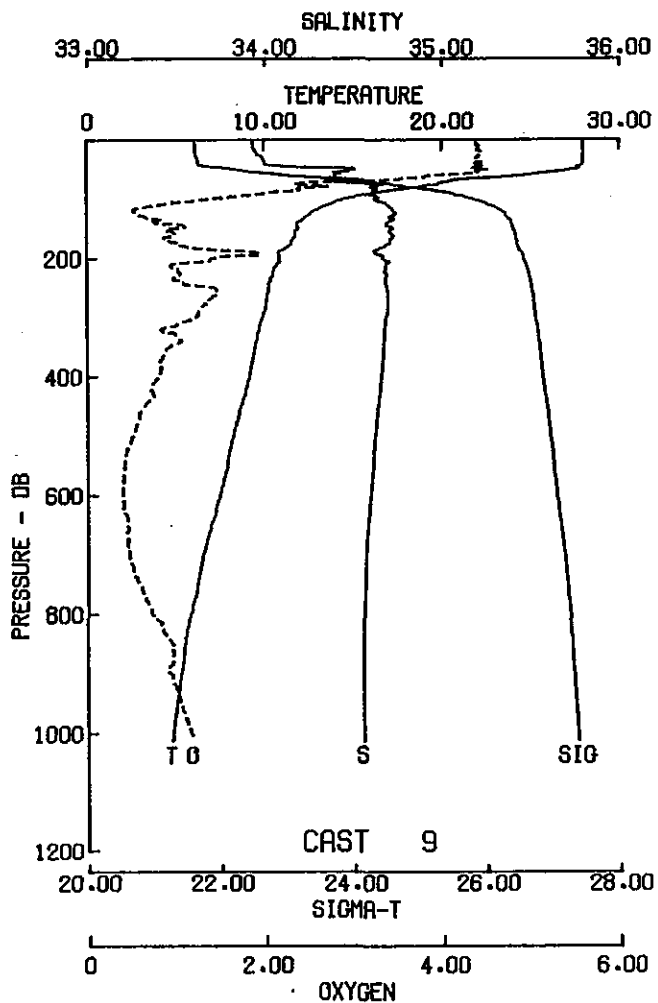
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	28.110	33.978	4.38	21.610	0.000
1.	28.112	33.978	4.37	21.609	
10.	28.115	33.980	4.34	21.609	.062
20.	28.093	33.976	4.36	21.614	.124
30.	28.081	33.974	4.35	21.616	.186
40.	28.082	33.976	4.17	21.617	.248
50.	28.077	33.978	4.33	21.621	.311
60.	28.227	33.197	4.47	22.685	.369
70.	28.885	4.447	2.78	24.388	.413
80.	15.297	4.693	1.10	25.687	.441
90.	13.456	4.723	.70	26.103	.462
100.	12.837	4.733	.84	26.236	.480
110.	12.498	4.746	.83	26.314	.498
120.	12.193	4.734	.88	26.364	.516
130.	11.777	4.723	.90	26.434	.532
140.	11.714	4.760	.85	26.475	.549
150.	11.650	4.758	.62	26.486	.564
160.	11.437	4.739	.68	26.511	.580
170.	11.366	4.735	.81	26.520	.596
180.	11.221	4.727	.92	26.541	.611
190.	11.058	4.723	.92	26.568	.627
200.	10.882	4.717	.86	26.595	.642
250.	10.171	4.683	1.19	26.694	.714
300.	9.725	4.674	1.16	26.763	.783
350.	9.360	4.664	.86	26.816	.850
400.	9.070	4.653	.74	26.854	.915
450.	8.645	4.637	.52	26.910	.978
500.	8.109	4.608	.32	26.969	1.039
550.	7.701	4.600	.36	27.024	1.097
600.	7.195	4.583	.39	27.084	1.152
650.	6.709	4.570	.46	27.140	1.205
700.	6.302	4.562	.53	27.189	1.255
750.	5.965	4.556	.64	27.227	1.303
800.	5.665	4.553	.75	27.263	1.350
850.	5.437	4.552	.84	27.290	1.395
900.	5.212	4.552	.96	27.317	1.440
950.	4.952	4.554	1.08	27.349	1.483
1000.	4.741	4.555	1.18	27.374	1.524
1007.	4.694	4.556	1.20	27.379	

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CAST EP3-81-0C-009 DATE 31 MAY 81 TIME 0315 GMT
LAT 06 01.5N LONG 110 00.0W

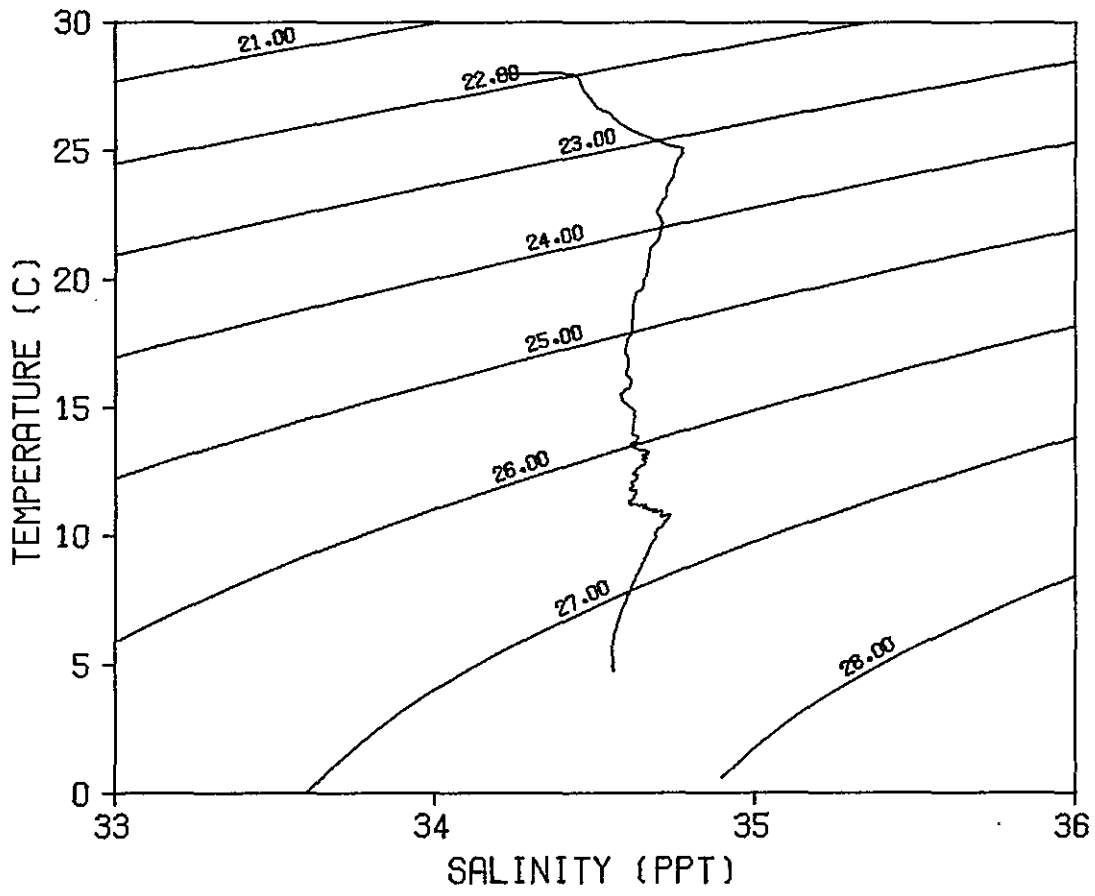


CAST EP3-81-0C-009 DATE 31 MAY 81 TIME 0315 GMT
 LAT 06 01.5N LONG 110 00.0W WEATHER 2 SEA STATE 4
 BAROMETER 12 WIND DIR 190 T SPD 20 KT VISIBILITY 6
 CLOUD 7 AMOUNT 6 DRY 26.5 WET 23.9 DEPTH M

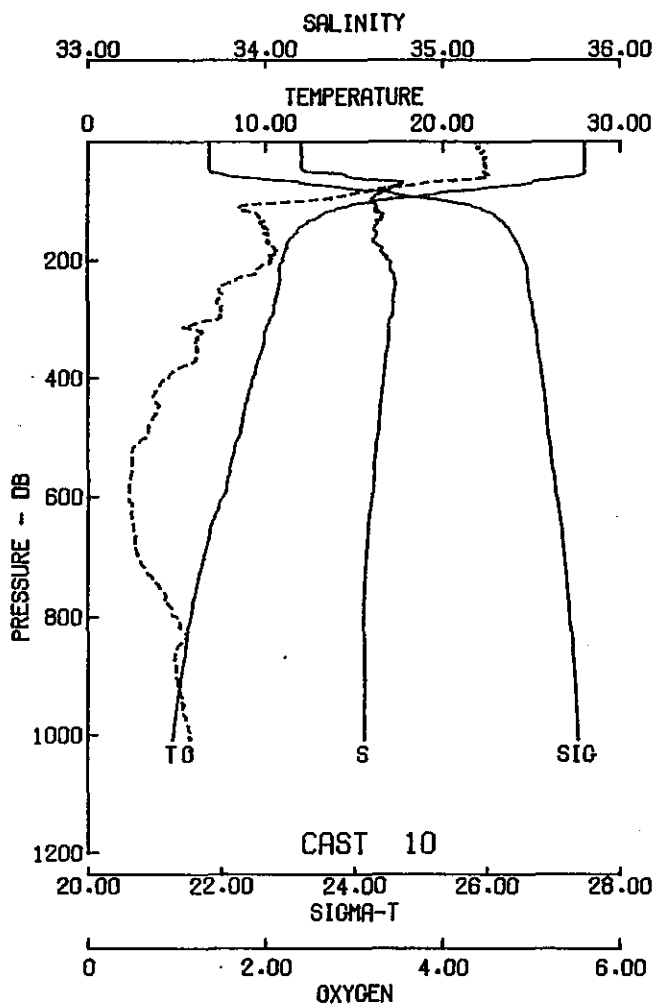


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.963	35.932	4.41	21.623	0.000
5.	27.976	35.935	4.39	21.621	
10.	27.988	35.940	4.43	21.621	.062
20.	28.000	35.951	4.42	21.625	.124
30.	27.997	35.990	4.39	21.656	.186
40.	27.973	35.002	4.35	21.672	.247
50.	27.906	35.314	4.46	22.208	.307
60.	24.711	35.396	4.93	22.992	.360
70.	20.427	35.396	2.76	24.206	.402
80.	18.412	35.336	2.47	24.909	.436
90.	16.013	35.424	2.02	25.473	.464
100.	14.516	35.619	1.37	25.801	.488
110.	13.595	35.693	.78	26.052	.509
120.	12.808	35.729	.52	26.234	.528
130.	12.222	35.702	.66	26.310	.546
140.	11.899	35.692	.78	26.388	.563
150.	11.903	35.722	.93	26.409	.580
160.	11.727	35.716	.98	26.438	.596
170.	11.545	35.708	.90	26.466	.612
180.	11.349	35.678	1.11	26.480	.629
190.	10.771	35.620	1.89	26.539	.644
200.	10.823	35.665	1.40	26.565	.660
250.	9.885	35.684	1.45	26.589	.733
300.	9.423	35.670	1.22	26.743	.803
350.	9.131	35.670	.92	26.806	.870
400.	8.862	35.658	.79	26.849	.935
450.	8.642	35.638	.64	26.911	.998
500.	8.214	35.622	.51	26.964	1.059
550.	7.862	35.610	.41	27.008	1.117
600.	7.451	35.594	.40	27.056	1.174
650.	6.916	35.577	.44	27.118	1.228
700.	6.469	35.566	.46	27.170	1.280
750.	6.147	35.561	.58	27.208	1.330
800.	5.815	35.555	.71	27.253	1.377
850.	5.481	35.555	.96	27.287	1.423
900.	5.247	35.554	.93	27.314	1.468
950.	5.013	35.554	1.05	27.342	1.511
1000.	4.789	35.555	1.17	27.368	1.553
1012.	4.756	35.555	1.19	27.372	

CAST EP3-81-0C-010 DATE 31 MAY 81 TIME 0741 GMT
LAT 05 29.2N LONG 109 57.4W

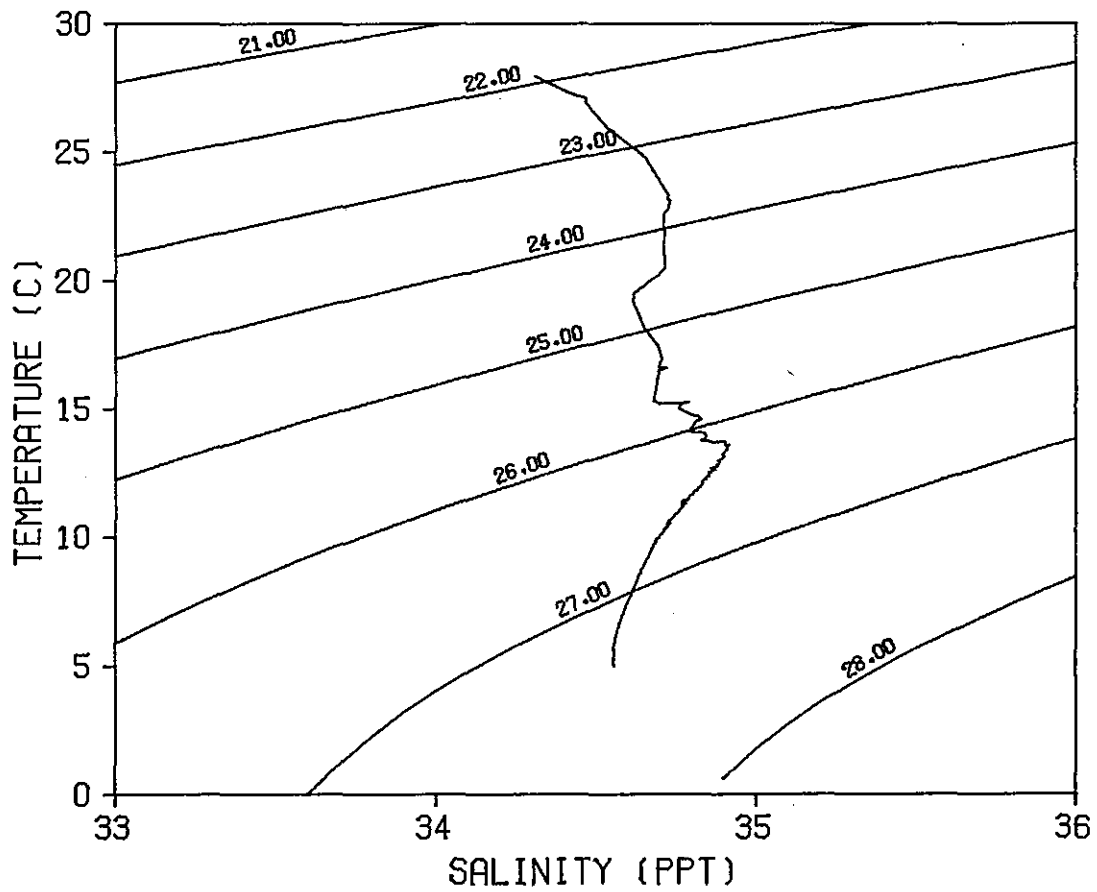


CAST EP3-81-0C-010 DATE 31 MAY 81 TIME 0741 GMT
 LAT 05 29.2N LONG 109 57.4W WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 180 T SPD 19 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 26.4 WET 23.0 DEPTH M

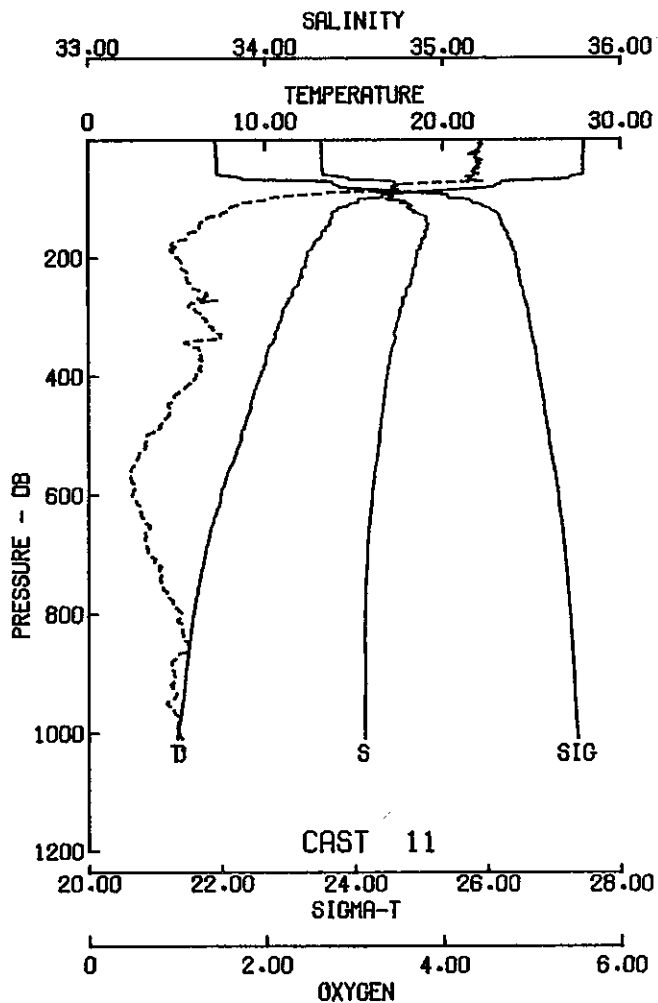


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.969	34.201	4.47	21.824	0.000
1.	27.973	34.202	4.58	21.823	
10.	27.983	34.199	4.37	21.817	.060
20.	27.988	34.200	4.46	21.816	.120
30.	27.989	34.202	4.46	21.817	.180
40.	27.990	34.201	4.47	21.816	.241
50.	28.000	34.222	4.47	21.828	.301
60.	28.049	34.483	4.48	22.332	.359
70.	28.093	34.773	3.77	23.251	.409
80.	28.194	34.706	3.27	24.029	.452
90.	28.299	34.620	2.92	24.759	.488
100.	28.405	34.596	2.39	25.386	.517
110.	28.525	34.621	1.71	25.826	.541
120.	28.657	34.652	1.89	26.076	.562
130.	28.779	34.657	1.94	26.189	.581
140.	28.854	34.625	2.00	26.286	.599
150.	28.877	34.613	2.03	26.349	.616
160.	28.833	34.624	2.04	26.403	.633
170.	28.719	34.614	2.02	26.454	.650
180.	28.580	34.660	2.10	26.496	.666
190.	28.425	34.663	2.10	26.527	.682
200.	28.268	34.701	2.05	26.567	.697
250.	27.720	34.730	1.48	26.634	.771
300.	27.224	34.698	1.46	26.696	.844
350.	26.791	34.685	1.23	26.696	.913
400.	26.278	34.663	.88	26.830	.980
450.	25.689	34.647	.79	26.889	1.044
500.	25.048	34.633	.65	26.931	1.106
550.	24.301	34.615	.50	26.989	1.166
600.	23.593	34.601	.45	27.041	1.223
650.	22.898	34.577	.51	27.120	1.278
700.	22.155	34.569	.57	27.166	1.330
750.	21.423	34.558	.80	27.209	1.379
800.	20.605	34.554	1.00	27.246	1.427
850.	19.688	34.556	1.01	27.287	1.473
900.	18.640	34.557	1.00	27.316	1.517
950.	17.504	34.556	1.08	27.344	1.560
1000.	16.299	34.558	1.15	27.370	1.602
1008.	14.774	34.558	1.15	27.372	

CAST EP3-81-0C-011 DATE 31 MAY 81 TIME 1901 GMT
LAT 05 00.1N LONG 109 58.7W

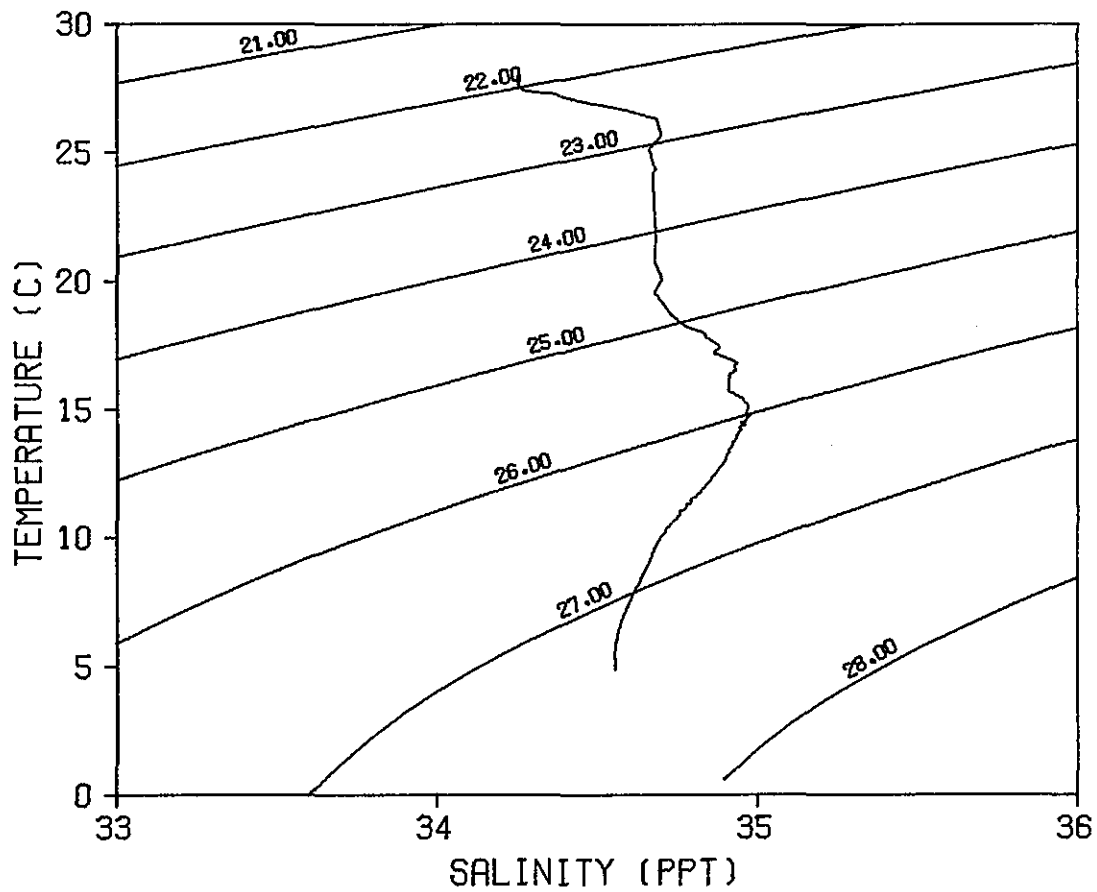


CAST EP3-81-DC-011 DATE 31 MAY 81 TIME 1901 GMT
 LAT 05 00.1N LONG 109 58.7W WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 190 T SPD 19 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 DRY 27.4 WET 23.9 DEPTH M

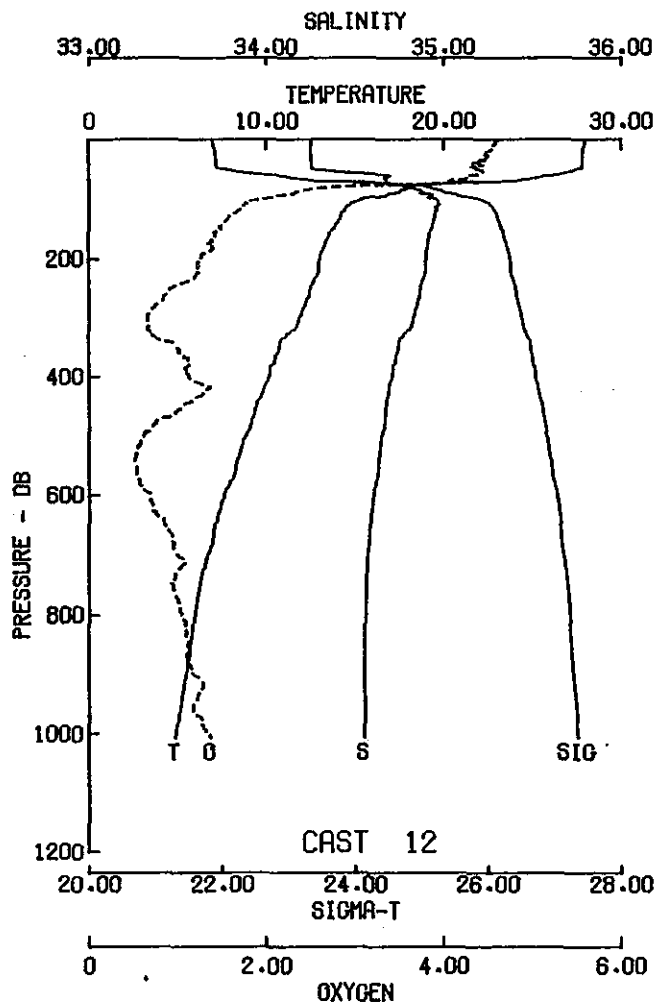


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.961	34.310	4.40	21.908	0.000
5.	27.944	34.314	4.43	21.916	
10.	27.923	34.316	4.47	21.924	.059
20.	27.901	34.317	4.41	21.933	.118
30.	27.895	34.319	4.36	21.936	.177
40.	27.892	34.319	4.40	21.937	.236
50.	27.890	34.320	4.37	21.938	.295
60.	27.757	34.341	4.40	21.997	.354
70.	23.813	34.702	4.45	23.490	.409
80.	22.819	34.728	3.40	23.798	.451
90.	18.167	34.655	2.68	24.981	.487
100.	15.915	34.688	2.04	25.544	.514
110.	14.712	34.817	1.71	25.911	.537
120.	14.044	34.838	1.57	26.070	.557
130.	13.745	34.904	1.38	26.184	.576
140.	13.618	34.910	1.28	26.214	.595
150.	13.412	34.911	1.24	26.258	.613
160.	13.171	34.901	1.14	26.299	.631
170.	12.914	34.885	1.06	26.338	.649
180.	12.698	34.869	.99	26.369	.666
190.	12.404	34.853	.93	26.415	.683
200.	12.333	34.849	1.01	26.426	.700
250.	11.690	34.804	1.16	26.514	.781
300.	10.922	34.753	1.28	26.616	.858
350.	10.222	34.715	1.15	26.710	.932
400.	9.728	34.685	1.22	26.771	1.001
450.	9.162	34.663	.90	26.847	1.068
500.	8.631	34.643	.65	26.916	1.131
550.	8.053	34.620	.50	26.987	1.192
600.	7.475	34.600	.49	27.057	1.249
650.	7.008	34.583	.68	27.110	1.304
700.	6.583	34.572	.70	27.159	1.356
750.	6.236	34.563	.84	27.198	1.406
800.	5.918	34.557	1.04	27.234	1.454
850.	5.687	34.554	1.12	27.261	1.501
900.	5.472	34.558	.96	27.290	1.547
950.	5.271	34.556	.88	27.313	1.591
1000.	5.036	34.556	1.02	27.341	1.635
1009.	4.990	34.557	1.05	27.347	

CAST EP3-81-0C-012 DATE 31 MAY 81 TIME 2252 GMT
LAT 04 27.6N LONG 110 00.8W



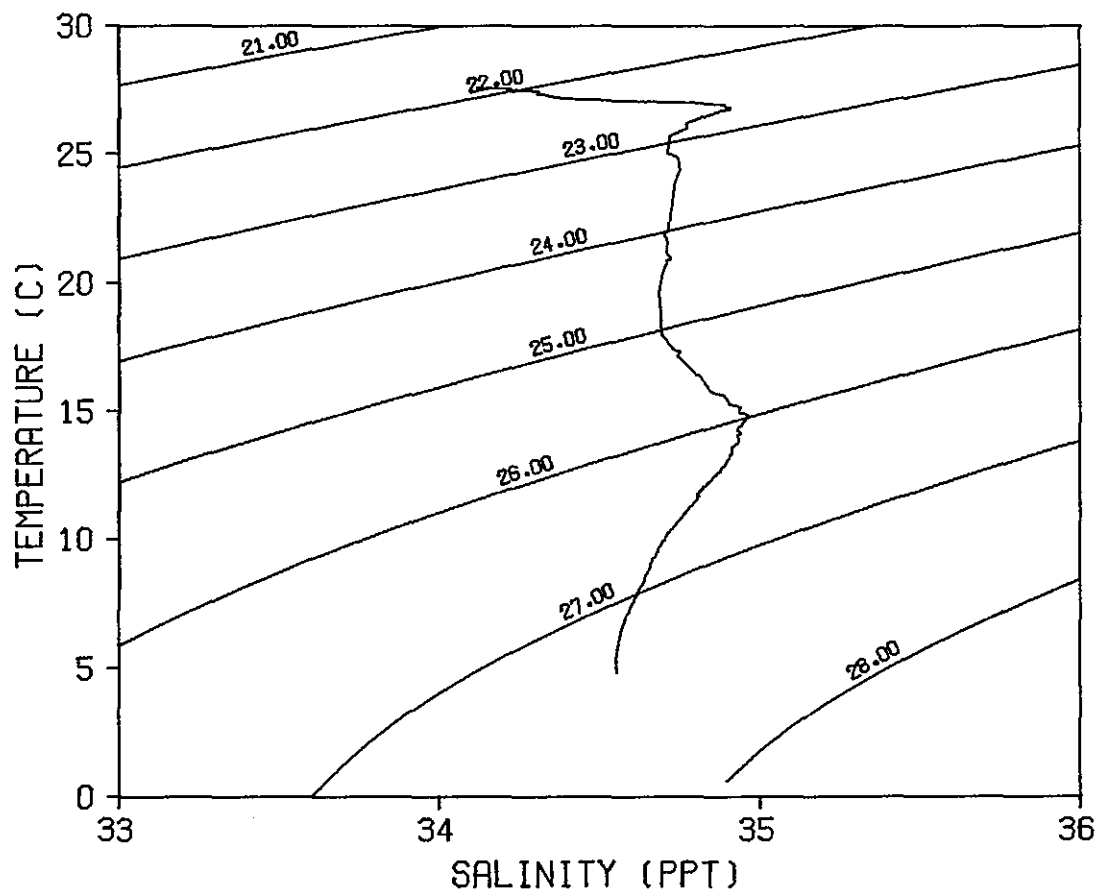
435



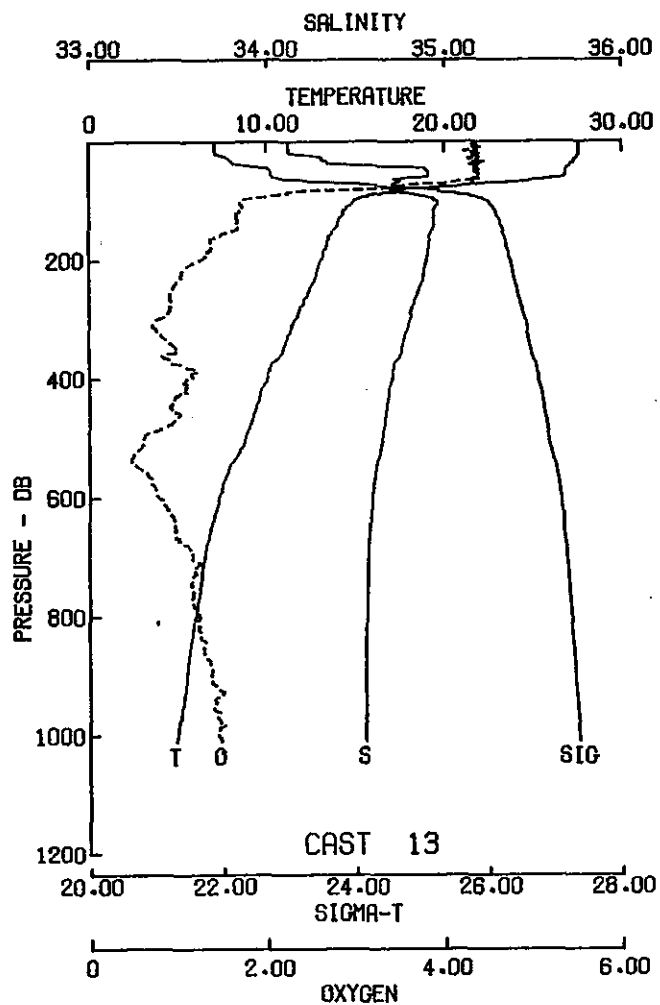
CAST EP3-81-DC-012 DATE 31 MAY 81 TIME 2252 GMT
 LAT 04 27.6N LONG 110 00.8W WEATHER 1 SEA STATE 3
 BARMETER 11 WIND DIR 170 T SPD 14 KT VISIBILITY 8
 CLOUD 1 AMOUNT 2 DRY 27.4 WET 23.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.985	34.253	4.61	21.857	0.000
2.	27.976	34.253	4.62	21.860	
10.	27.946	34.253	4.57	21.869	.060
20.	27.844	34.252	4.50	21.902	.119
30.	27.830	34.253	4.49	21.907	.178
40.	27.824	34.254	4.33	21.910	.238
50.	27.455	34.268	4.38	22.040	.297
60.	27.316	34.684	4.36	22.716	.352
70.	27.069	34.673	4.05	23.392	.400
80.	18.138	34.798	2.74	25.100	.434
90.	17.192	34.865	2.32	25.382	.462
100.	15.440	34.954	1.97	25.856	.486
110.	14.704	34.972	1.75	26.032	.507
120.	14.376	34.955	1.67	26.090	.527
130.	14.165	34.947	1.57	26.129	.546
140.	13.983	34.937	1.50	26.159	.565
150.	13.737	34.924	1.49	26.201	.584
160.	13.553	34.920	1.43	26.235	.603
170.	13.376	34.909	1.39	26.264	.621
180.	13.270	34.908	1.39	26.285	.639
190.	13.106	34.902	1.31	26.313	.657
200.	13.023	34.899	1.27	26.327	.674
250.	12.489	34.870	.91	26.411	.761
300.	11.834	34.825	.66	26.503	.844
350.	11.725	34.745	.98	26.645	.921
400.	11.163	34.710	1.13	26.716	.994
450.	10.427	34.676	1.04	26.814	1.063
500.	9.655	34.655	.62	26.888	1.128
550.	8.288	34.633	.53	26.962	1.190
600.	7.603	34.604	.67	27.042	1.248
650.	7.111	34.586	.85	27.097	1.303
700.	6.697	34.571	1.00	27.143	1.356
750.	6.250	34.563	.94	27.196	1.407
800.	5.953	34.558	1.04	27.230	1.455
850.	5.737	34.554	1.12	27.259	1.503
900.	5.493	34.553	1.18	27.284	1.549
950.	5.186	34.555	1.18	27.322	1.593
1000.	4.932	34.553	1.33	27.350	1.636
1006.	4.894	34.554	1.38	27.355	

CAST EP3-81-0C-013 DATE 01 JUN 81 TIME 0913 GMT
LAT 03 57.9N LONG 110 02.5W



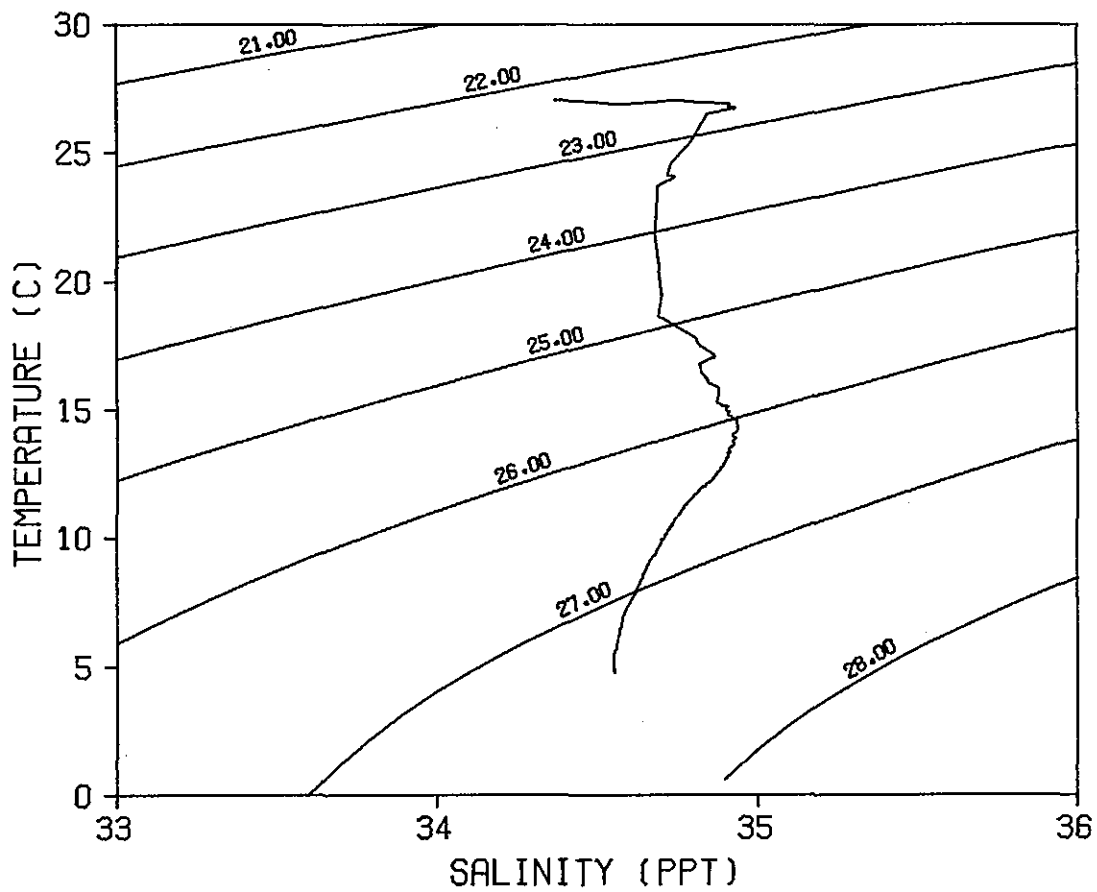
437

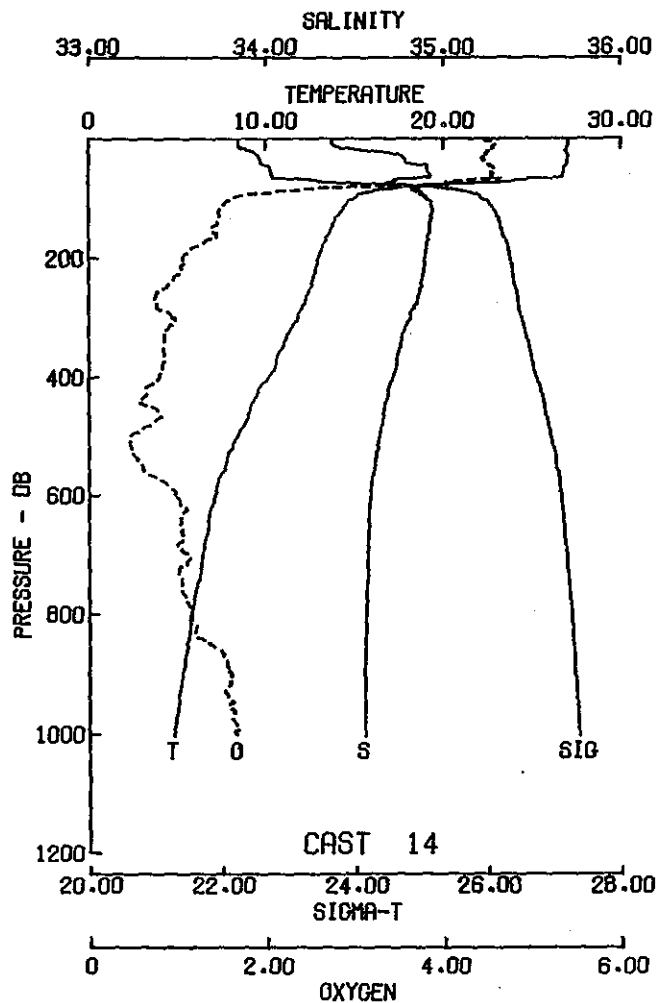


CAST EP3-81-OC-013 DATE 01 JUN 81 TIME 0913 GMT
 LAT 03 57.9N LONG 110 02.5W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 130 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 25.7 WET 22.6 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.580	34.118	4.43	21.887	0.000
4.	27.588	34.120	4.35	21.886	
10.	27.586	34.121	4.38	21.887	.059
20.	27.583	34.143	4.39	21.905	.119
30.	27.359	34.306	4.28	22.100	.177
40.	27.091	34.516	4.34	22.343	.234
50.	26.835	34.907	4.34	22.719	.286
60.	26.690	34.878	4.42	22.743	.338
70.	26.056	34.715	4.04	24.004	.385
80.	17.420	34.731	3.17	25.225	.420
90.	15.796	34.847	2.12	25.693	.446
100.	14.883	34.959	1.72	25.983	.468
110.	14.460	34.947	1.72	26.065	.488
120.	14.243	34.937	1.65	26.104	.508
130.	14.008	34.934	1.66	26.152	.527
140.	13.933	34.937	1.67	26.170	.546
150.	13.692	34.926	1.63	26.212	.565
160.	13.499	34.915	1.46	26.243	.583
170.	13.392	34.915	1.37	26.265	.602
180.	13.326	34.913	1.36	26.277	.620
190.	13.155	34.906	1.31	26.304	.638
200.	13.020	34.898	1.24	26.328	.655
250.	11.376	34.854	.93	26.421	.741
300.	11.571	34.805	.75	26.537	.823
350.	10.896	34.758	.97	26.625	.900
400.	9.993	34.704	1.10	26.741	.972
450.	9.336	34.673	.91	26.827	1.040
500.	8.748	34.650	.61	26.903	1.104
550.	7.816	34.612	.56	27.017	1.164
600.	7.226	34.590	.77	27.085	1.220
650.	6.836	34.578	.96	27.130	1.273
700.	6.448	34.568	1.16	27.174	1.324
750.	6.207	34.563	1.14	27.202	1.374
800.	5.926	34.557	1.23	27.233	1.422
850.	5.638	34.554	1.29	27.267	1.469
900.	5.432	34.552	1.36	27.290	1.515
950.	5.210	34.552	1.40	27.317	1.559
1000.	4.926	34.552	1.45	27.350	1.602
1010.	4.861	34.553	1.48	27.359	

CAST EP3-81-0C-014 DATE 01 JUN 81 TIME 1302 GMT
LAT 03 27.4N LONG 109 58.9W

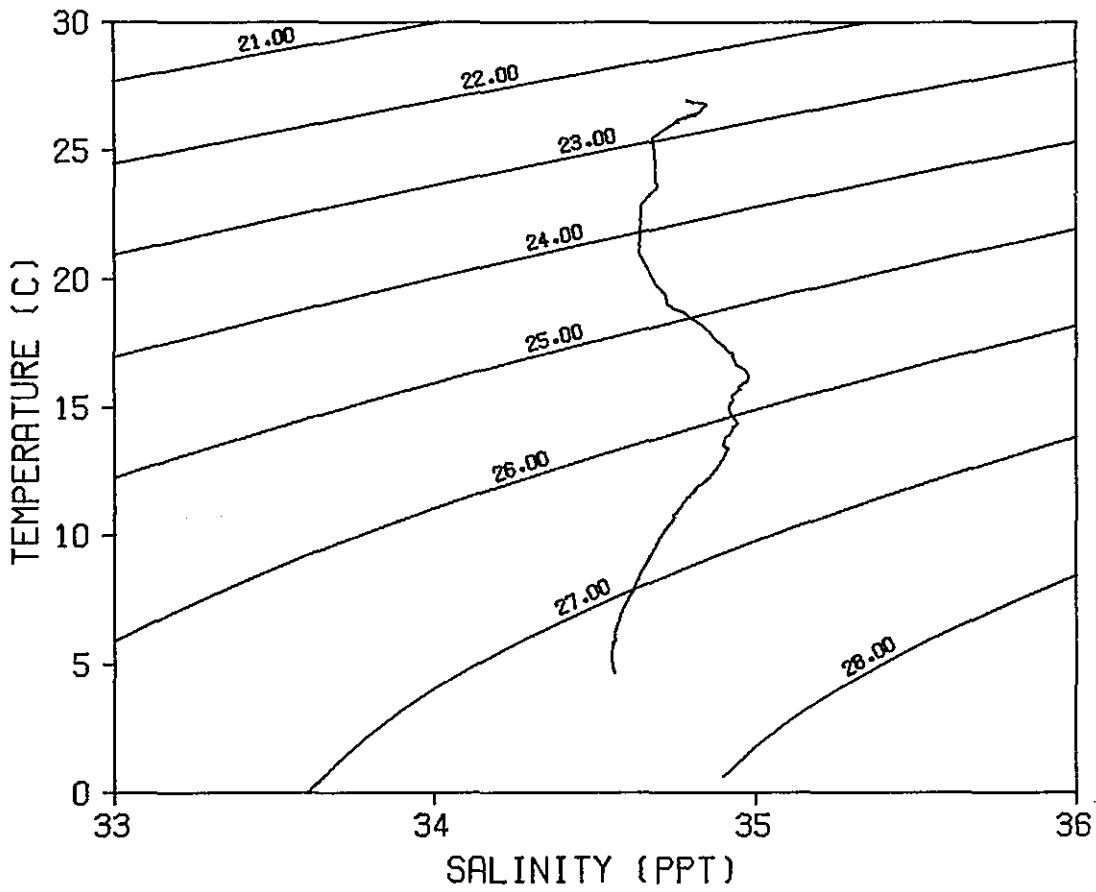




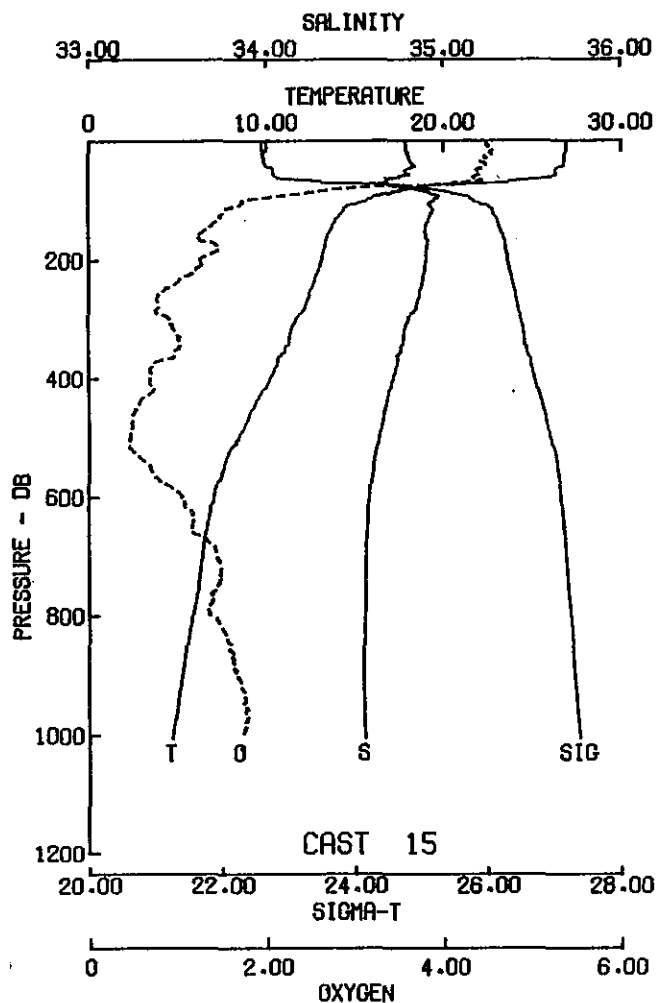
CAST EP3-81-0C-014 DATE 01 JUN 81 TIME 1302 GMT
 LAT 03 27.4N LONG 109 58.9W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 160 T SPD 16 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 DRY 25.2 WET 22.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.032	34.371	4.41	22.253	0.000
2.	27.034	34.372	4.47	22.253	
5.	27.046	34.380	4.59	22.255	.056
10.	26.902	34.561	4.51	22.437	.111
20.	27.025	34.765	4.49	22.551	.165
30.	26.979	34.787	4.50	22.583	.218
40.	26.798	34.908	4.56	22.731	.270
50.	26.776	34.927	4.56	22.753	.321
60.	24.058	34.741	4.44	22.447	.371
70.	18.122	34.863	3.13	22.078	.409
80.	15.672	34.879	2.05	21.746	.435
90.	15.051	34.901	1.62	21.902	.456
100.	14.517	34.935	1.53	21.044	.477
110.	14.285	34.937	1.46	20.095	.497
120.	13.981	34.922	1.47	20.148	.516
130.	13.845	34.927	1.45	20.181	.535
140.	13.694	34.922	1.39	20.208	.554
150.	13.588	34.922	1.44	20.32	.572
160.	13.358	34.914	1.33	20.71	.590
170.	13.173	34.907	1.23	20.303	.608
180.	13.073	34.901	1.10	20.319	.626
190.	12.940	34.898	1.05	20.343	.644
200.	12.479	34.869	.84	20.412	.729
250.	11.777	34.811	.93	20.503	.812
300.	10.936	34.755	.84	20.614	.890
350.	9.144	34.712	.78	20.721	.963
400.	9.123	34.666	.70	20.836	1.030
450.	8.403	34.640	.47	20.950	1.093
500.	7.704	34.614	.59	20.034	1.151
550.	7.089	34.586	.95	20.101	1.205
600.	6.716	34.577	1.03	20.145	1.258
650.	6.376	34.569	1.11	20.185	1.308
700.	6.093	34.566	1.04	20.219	1.357
750.	5.768	34.561	1.14	20.256	1.404
800.	5.517	34.554	1.34	20.282	1.450
850.	5.267	34.551	1.60	20.310	1.495
900.	5.031	34.552	1.57	20.338	1.538
950.	4.782	34.555	1.66	20.368	1.580
1000.	4.773	34.555	1.68	20.370	

CAST EP3-81-0C-015 DATE 02 JUN 81 TIME 0157 GMT
LAT 02 59.8N LONG 109 59.3W



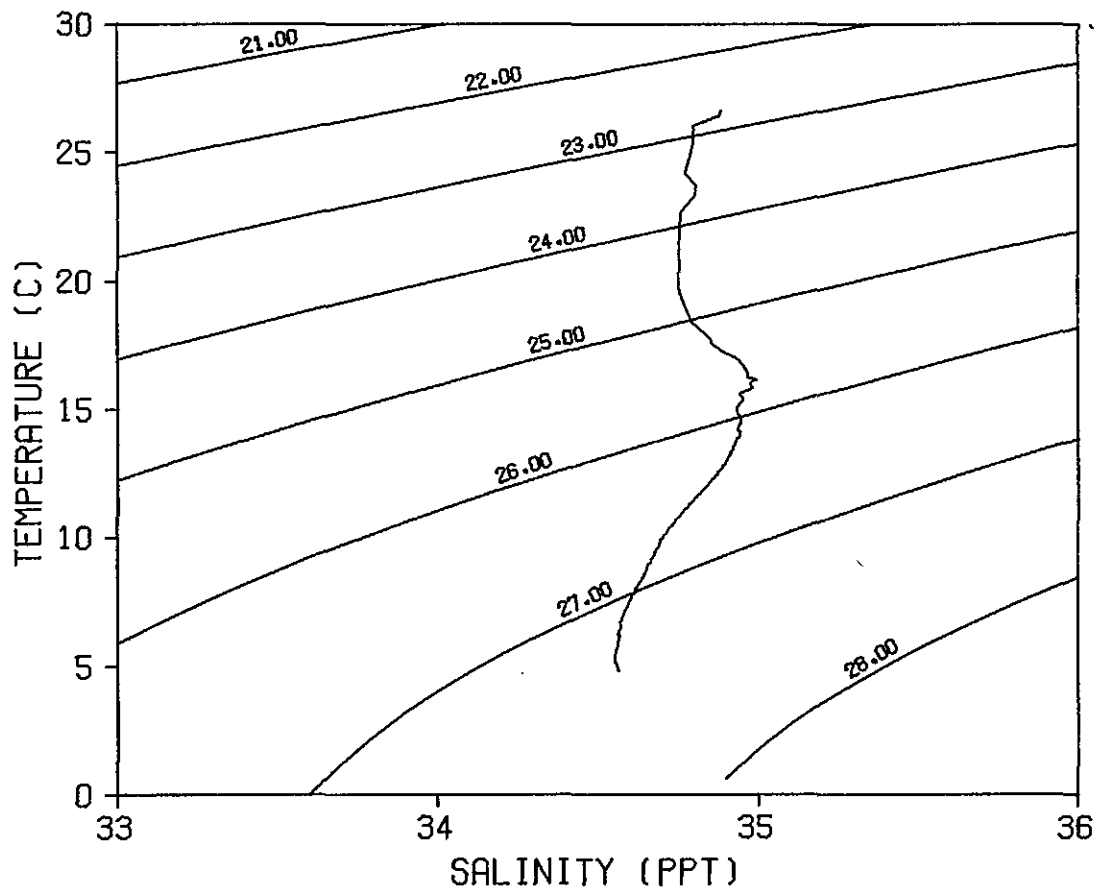
441



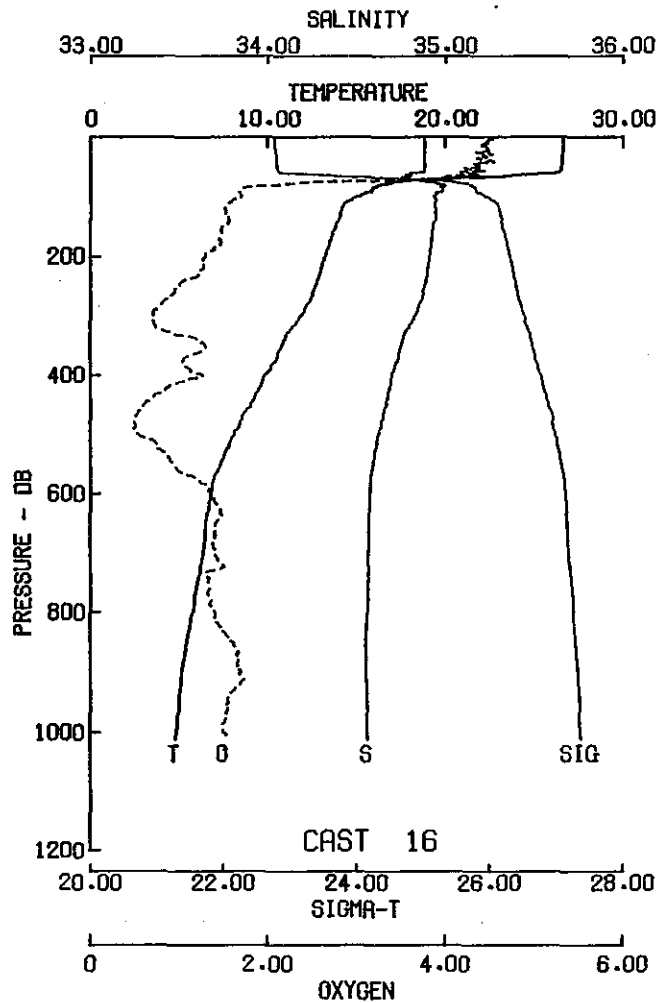
CAST EP3-81-DC-015 DATE 02 JUN 81 TIME 0157 GMT
 LAT 02 59.8N LONG 109 59.3W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 140 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 26.3 WET 22.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.949	34.781	4.47	22.588	0.000
3.	26.940	34.784	4.49	22.593	
10.	26.939	34.788	4.51	22.596	.053
20.	26.877	34.802	4.52	22.627	.105
30.	26.862	34.811	4.47	22.638	.158
40.	26.849	34.832	4.50	22.658	.210
50.	26.866	34.792	4.39	22.781	.261
60.	26.825	34.751	4.35	22.825	.312
70.	26.859	34.689	4.11	22.899	.360
80.	26.828	34.688	3.99	22.954	.393
90.	26.667	34.941	2.29	22.956	.420
100.	26.722	34.954	1.77	22.793	.443
110.	26.579	34.936	1.67	22.031	.465
120.	26.324	34.941	1.53	22.090	.485
130.	26.999	34.921	1.47	22.143	.504
140.	26.795	34.905	1.39	22.174	.523
150.	26.631	34.903	1.30	22.206	.542
160.	26.476	34.907	1.21	22.242	.560
170.	26.370	34.913	1.38	22.268	.578
180.	26.306	34.912	1.47	22.288	.596
190.	26.186	34.903	1.36	22.298	.614
200.	26.146	34.905	1.26	22.307	.632
250.	26.552	34.872	.86	22.400	.719
300.	26.740	34.808	.90	22.508	.802
350.	26.087	34.763	1.02	22.593	.881
400.	26.553	34.720	.69	22.709	.955
450.	26.302	34.676	.53	22.835	1.023
500.	26.440	34.638	.46	22.943	1.086
550.	26.587	34.605	.69	22.704	1.144
600.	26.040	34.582	1.05	22.710	1.198
650.	26.653	34.571	1.17	22.714	1.250
700.	26.369	34.563	1.45	22.718	1.301
750.	26.152	34.559	1.44	22.720	1.350
800.	26.817	34.555	1.37	22.724	1.398
850.	26.502	34.550	1.59	22.728	1.444
900.	26.261	34.549	1.67	22.730	1.489
950.	26.000	34.550	1.76	22.734	1.532
1000.	26.702	34.556	1.73	22.737	1.573
1005.	26.681	34.557	1.71	22.738	

CAST EP3-81-0C-016 DATE 02 JUN 81 TIME 0541 GMT
LAT 02 30.0N LONG 110 00.0W



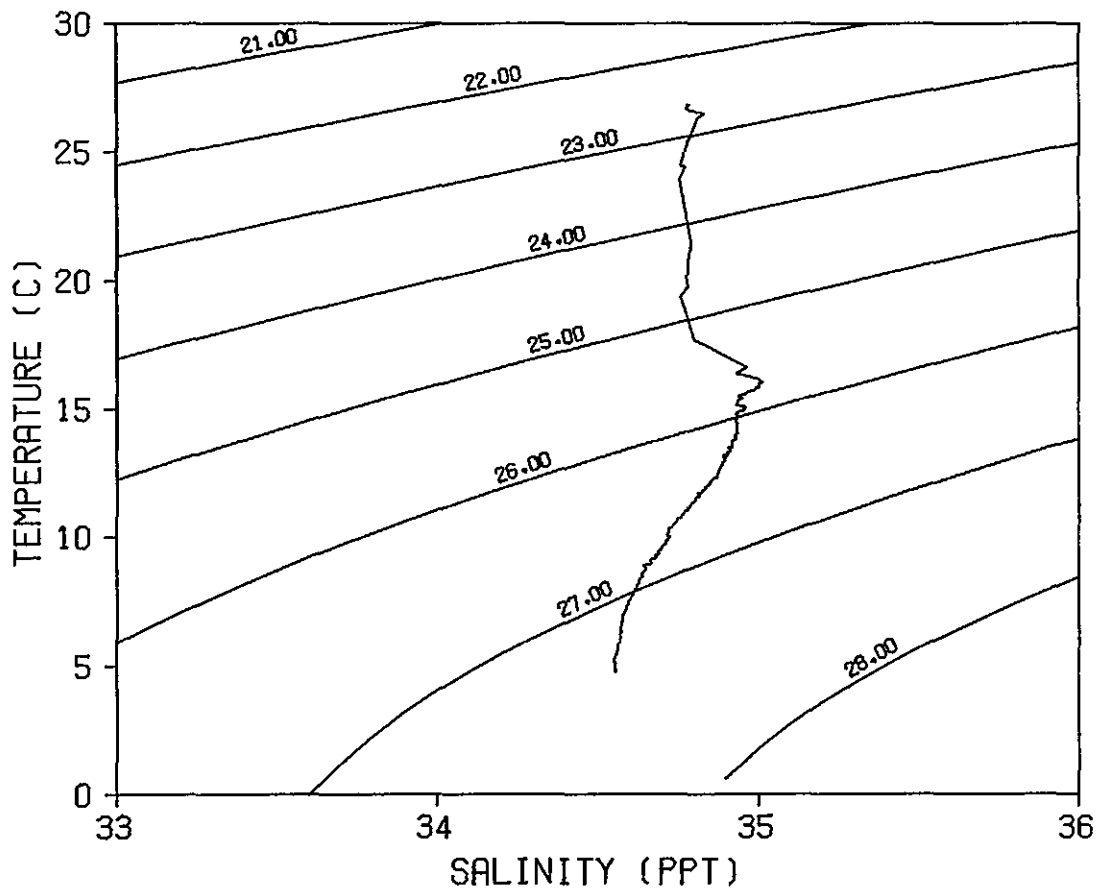
447



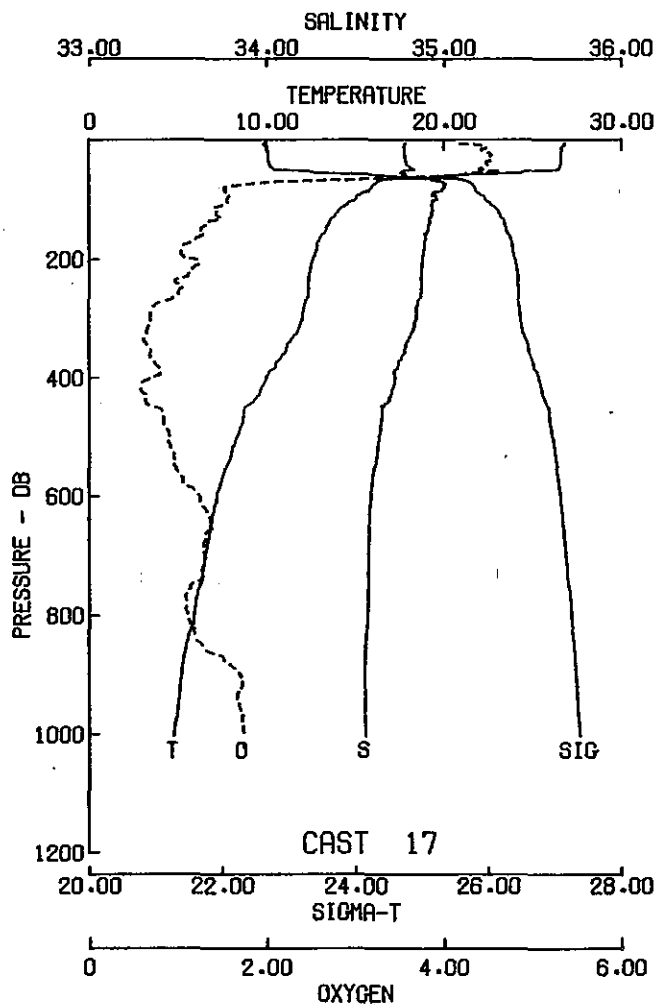
CAST EP3-81-OC-016 DATE 02 JUN 81 TIME 0541 GMT
 LAT 02 30.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 140 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 24.4 WET 22.6 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.602	34.882	4.59	22.774	0.000
1.	26.605	34.882	4.58	22.773	
10.	26.617	34.882	4.45	22.769	.051
20.	26.610	34.882	4.51	22.771	.102
30.	26.550	34.882	4.48	22.789	.153
40.	26.538	34.880	4.49	22.793	.204
50.	26.521	34.880	4.40	22.798	.255
60.	26.322	34.858	4.16	22.844	.305
70.	19.720	34.750	3.86	22.466	.348
80.	16.236	34.666	3.10	22.684	.375
90.	15.938	34.680	2.70	22.598	.398
100.	15.905	34.933	1.70	22.914	.420
110.	14.349	34.938	1.57	22.608	.440
120.	14.138	34.939	1.50	22.128	.460
130.	14.029	34.940	1.52	22.615	.479
140.	13.931	34.940	1.57	22.172	.498
150.	13.808	34.931	1.49	22.610	.517
160.	13.637	34.925	1.48	22.222	.535
170.	13.564	34.923	1.46	22.236	.554
180.	13.447	34.920	1.46	22.258	.572
190.	13.291	34.912	1.40	22.283	.590
200.	13.203	34.907	1.30	22.298	.608
250.	12.643	34.880	.97	22.388	.696
300.	11.772	34.823	.70	22.513	.779
350.	10.800	34.750	1.30	22.636	.856
400.	9.828	34.695	1.26	22.762	.928
450.	9.032	34.665	.60	22.870	.995
500.	8.109	34.623	.93	22.983	1.056
550.	7.337	34.593	.93	22.707	1.112
600.	6.787	34.573	1.36	22.132	1.165
650.	6.509	34.569	1.42	22.167	1.216
700.	6.354	34.566	1.42	22.185	1.266
750.	6.014	34.564	1.33	22.228	1.314
800.	5.771	34.561	1.41	22.256	1.361
850.	5.422	34.553	1.61	22.292	1.407
900.	5.156	34.544	1.69	22.324	1.453
950.	4.983	34.535	1.59	22.349	1.493
1000.	4.861	34.526	1.51	22.365	1.535
1011.	4.811	34.563	1.51	22.372	

CAST EP3-81-0C-017 DATE 02 JUN 81 TIME 2315 GMT
LAT 01 56.9N LONG 110 00.1W



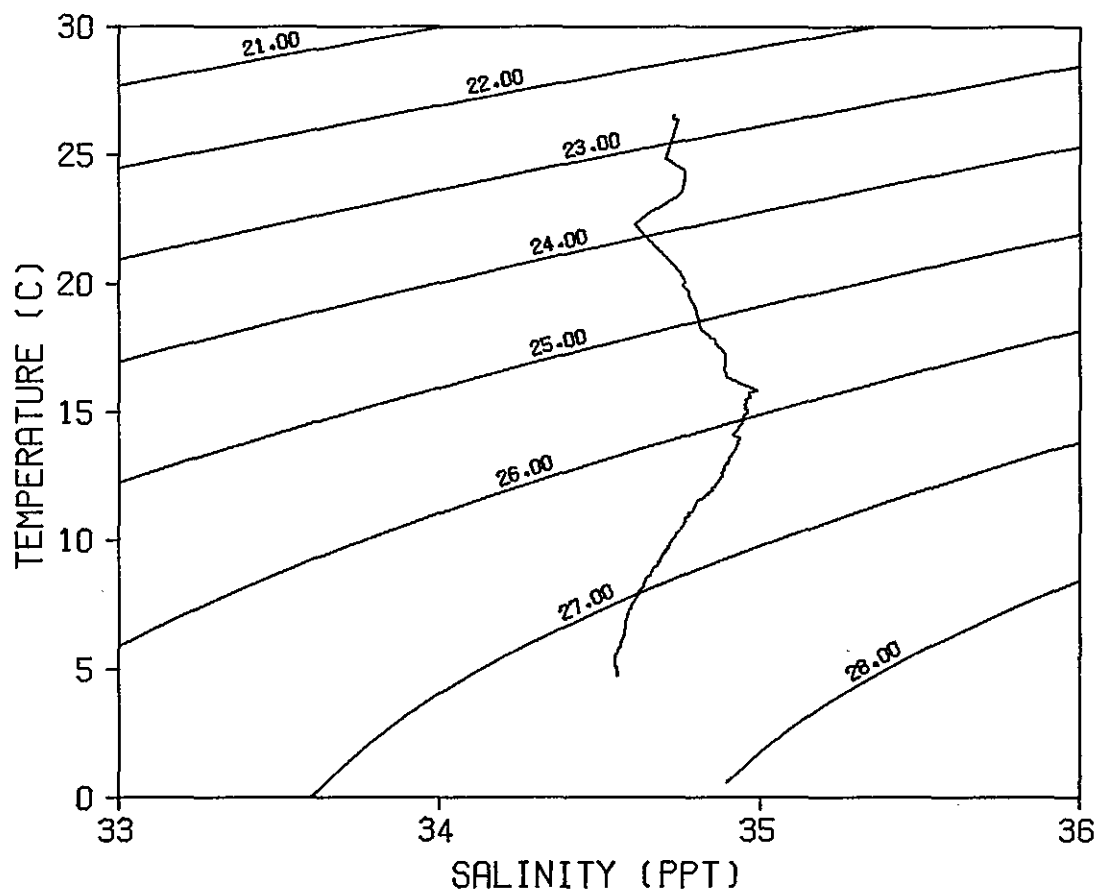
CAST EP3-81-DC-017 DATE 02 JUN 81 TIME 2315 GMT
 LAT 01 56.9N LONG 110 00.1W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 150 T SPD 14 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 25.8 WET 22.3 DEPTH M



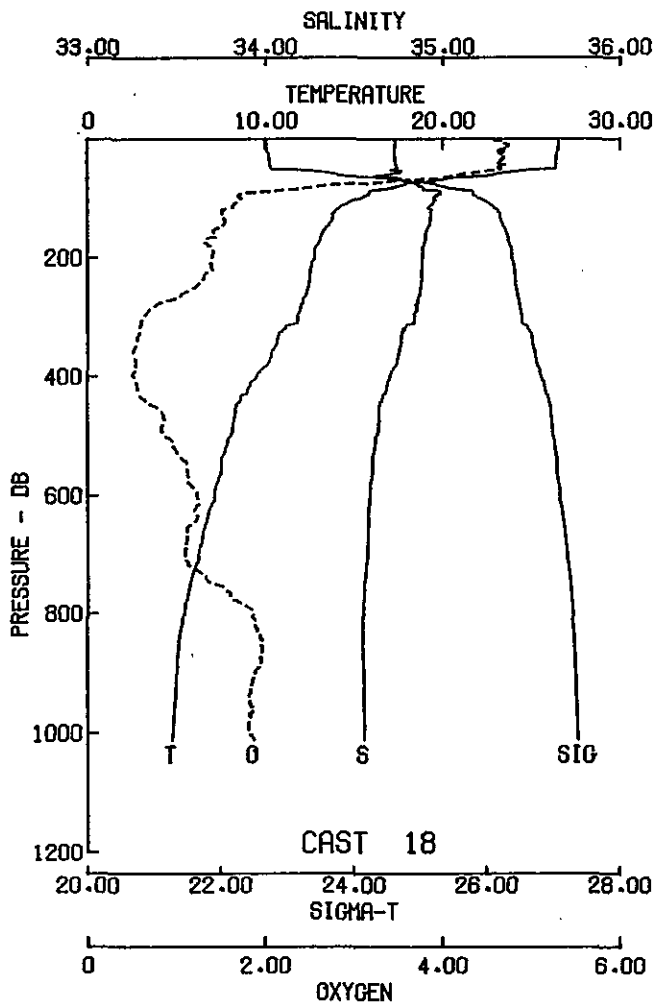
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.900	34.808	3.73	22.624	0.000
5.	26.831	34.781	4.18	22.626	
10.	26.726	34.776	4.44	22.655	.052
20.	26.632	34.778	4.48	22.686	.104
30.	26.614	34.780	4.50	22.694	.156
40.	26.591	34.789	4.48	22.707	.208
50.	26.472	34.832	4.40	22.778	.259
60.	20.797	34.781	3.98	24.400	.303
70.	16.254	34.868	2.17	25.681	.331
80.	15.886	34.903	1.52	25.797	.354
90.	15.384	34.949	1.56	25.865	.376
100.	15.009	34.955	1.55	25.952	.397
110.	14.454	34.936	1.49	26.058	.418
120.	14.039	34.935	1.43	26.146	.437
130.	13.748	34.920	1.48	26.195	.456
140.	13.490	34.915	1.33	26.245	.474
150.	13.349	34.912	1.26	26.271	.492
160.	13.100	34.898	1.28	26.311	.510
170.	12.904	34.888	1.15	26.343	.528
180.	12.824	34.889	1.06	26.359	.545
190.	12.727	34.881	1.03	26.373	.562
200.	12.586	34.877	1.20	26.397	.579
250.	12.330	34.869	1.01	26.441	.663
300.	12.011	34.845	.69	26.484	.745
350.	11.123	34.780	.68	26.600	.824
400.	10.005	34.723	.69	26.754	.898
450.	8.771	34.649	.75	26.859	.964
500.	8.296	34.630	.88	26.958	1.025
550.	7.719	34.607	.97	27.027	1.084
600.	7.190	34.588	1.24	27.088	1.139
650.	6.843	34.576	1.37	27.127	1.192
700.	6.530	34.571	1.30	27.165	1.244
750.	6.238	34.569	1.14	27.203	1.293
800.	5.892	34.565	1.11	27.244	1.341
850.	5.480	34.559	1.27	27.290	1.387
900.	5.200	34.555	1.70	27.318	1.431
950.	5.003	34.552	1.69	27.343	1.474
1000.	4.762	34.556	1.74	27.372	1.516
1002.	4.757	34.555	1.74	27.372	

445

CAST EP3-81-0C-018 DATE 03 JUN 81 TIME 0310 GMT
LAT 01 27.3N LONG 109 59.9W



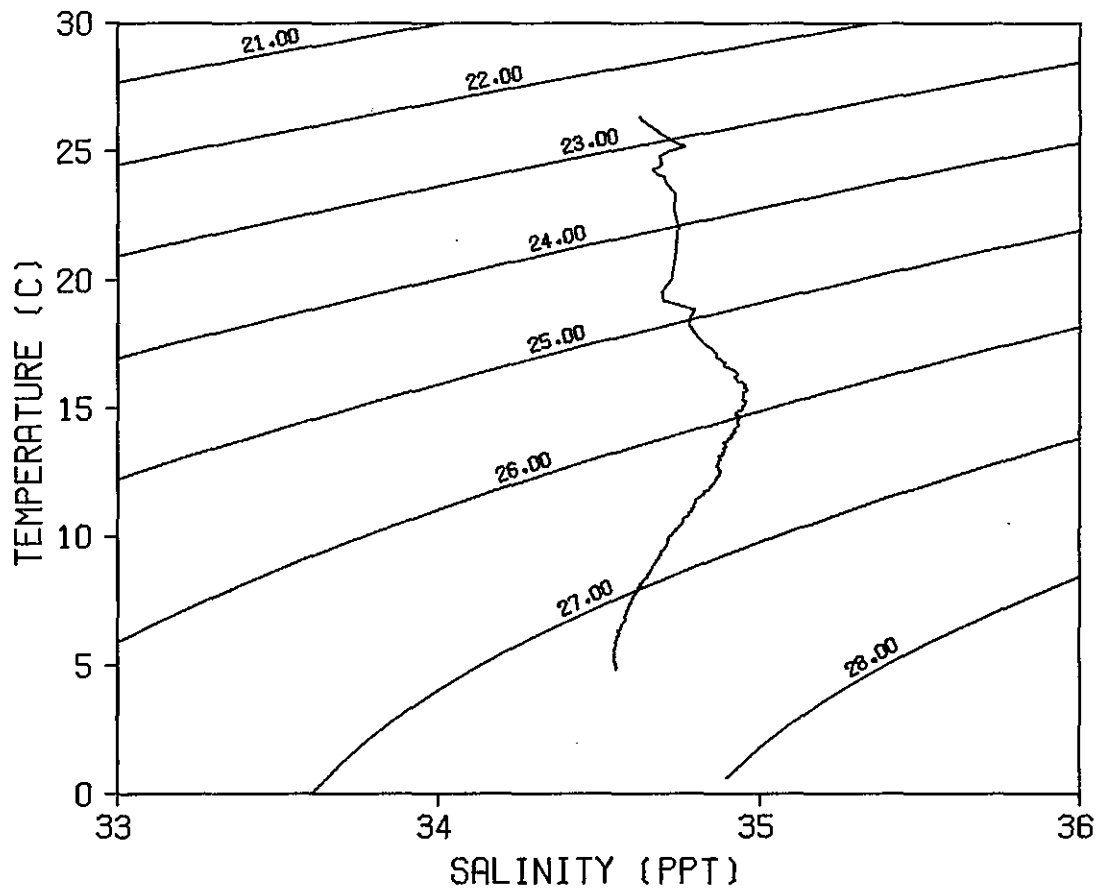
L77



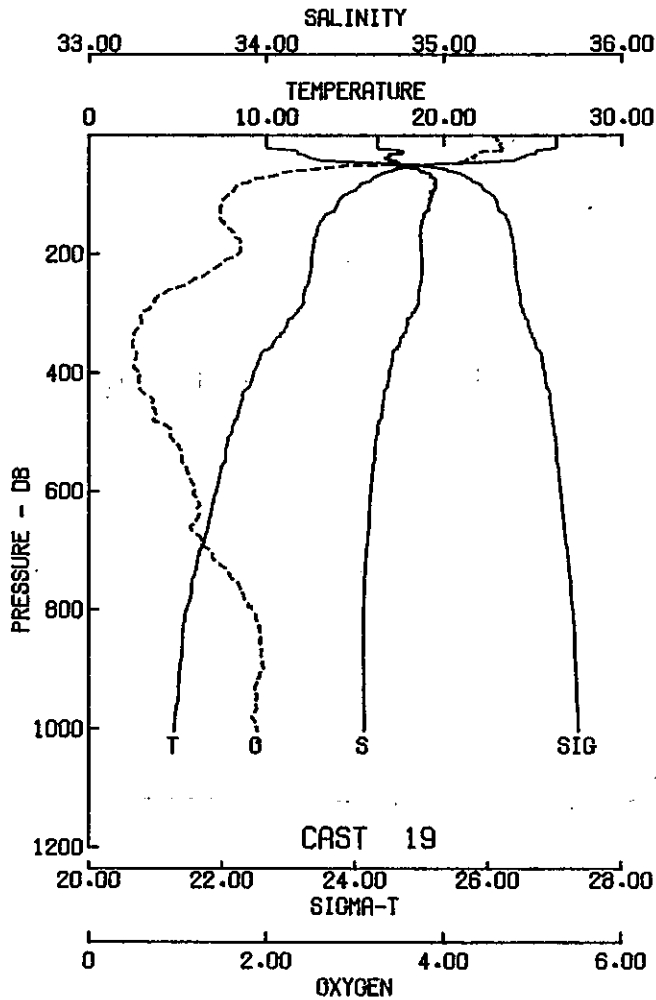
CAST EP3-81-DC-018 DATE 03 JUN 81 TIME 0310 GMT
 LAT 01 27.3N LONG 109 59.9W WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 120 T SPD 11 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 25.5 WET 22.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.529	34.731	4.56	22.684	0.000
2.	26.532	34.732	4.559	22.683	
10.	26.538	34.733	4.559	22.683	.052
20.	26.490	34.730	4.62	22.695	.104
30.	26.406	34.729	4.67	22.721	.155
40.	26.389	34.732	4.61	22.729	.207
50.	26.361	34.746	4.65	22.747	.258
60.	22.922	34.685	4.22	23.736	.304
70.	19.711	34.780	3.51	24.687	.341
80.	17.486	34.875	3.50	25.319	.371
90.	15.850	34.986	1.88	25.788	.395
100.	15.394	34.954	1.72	25.866	.417
110.	14.569	34.944	1.64	26.040	.438
120.	14.001	34.936	1.51	26.155	.458
130.	13.774	34.931	1.52	26.198	.477
140.	13.679	34.927	1.54	26.215	.495
150.	13.420	34.916	1.45	26.226	.514
160.	13.188	34.904	1.42	26.259	.531
170.	13.077	34.902	1.31	26.319	.549
180.	12.895	34.891	1.37	26.347	.567
190.	12.762	34.886	1.41	26.370	.584
200.	12.755	34.887	1.40	26.372	.601
250.	12.394	34.876	1.21	26.434	.685
300.	11.795	34.838	.62	26.520	.767
350.	10.529	34.759	.53	26.690	.842
400.	9.505	34.705	.53	26.824	.911
450.	8.378	34.644	.75	26.956	.974
500.	8.024	34.626	.8	26.942	1.033
550.	7.522	34.604	1.11	27.054	1.089
600.	7.124	34.589	1.12	27.099	1.143
650.	6.615	34.580	1.15	27.161	1.195
700.	6.230	34.574	1.10	27.207	1.245
750.	5.737	34.557	1.43	27.257	1.292
800.	5.416	34.551	1.85	27.292	1.337
850.	5.139	34.551	1.96	27.325	1.381
900.	5.037	34.555	1.89	27.340	1.423
950.	4.904	34.557	1.82	27.356	1.465
1000.	4.792	34.557	1.82	27.369	1.507
1011.	4.739	34.557	1.87	27.375	

CAST EP3-81-0C-019 DATE 03 JUN 81 TIME 1146 GMT
LAT 00 59.8N LONG 109 57.4W



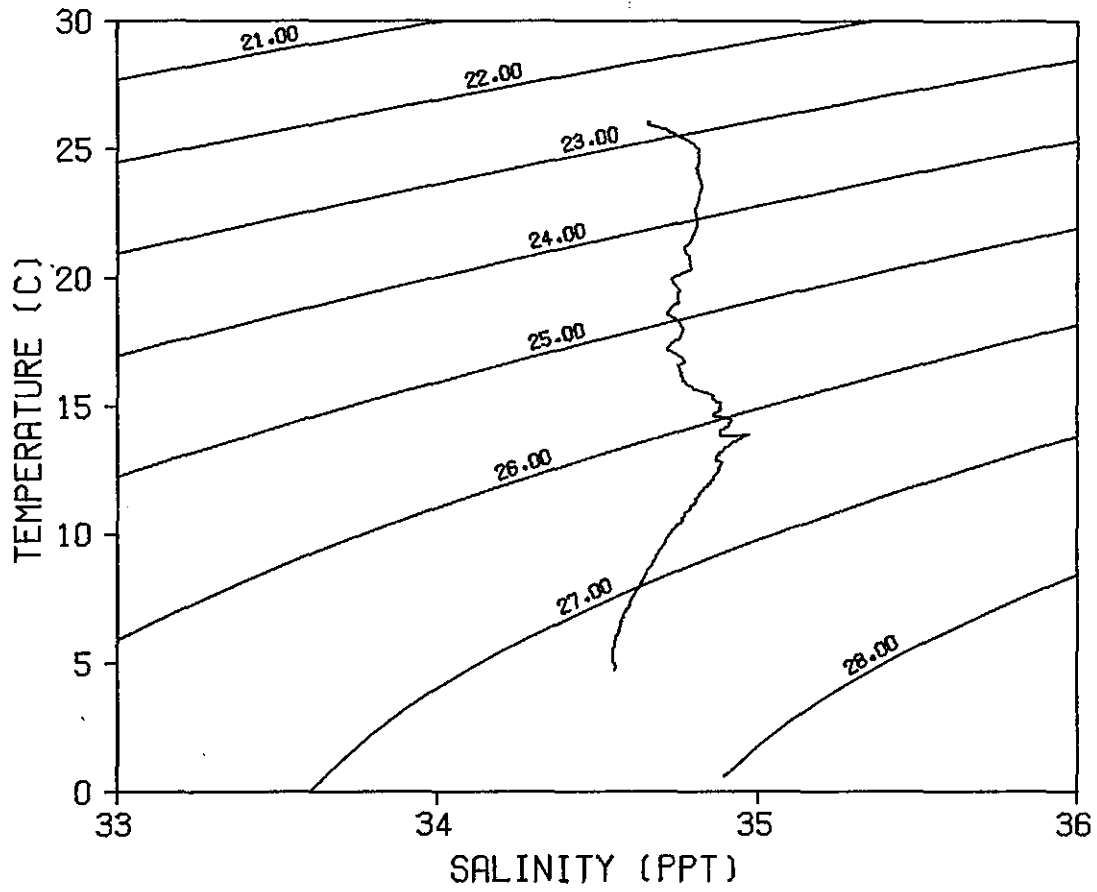
677



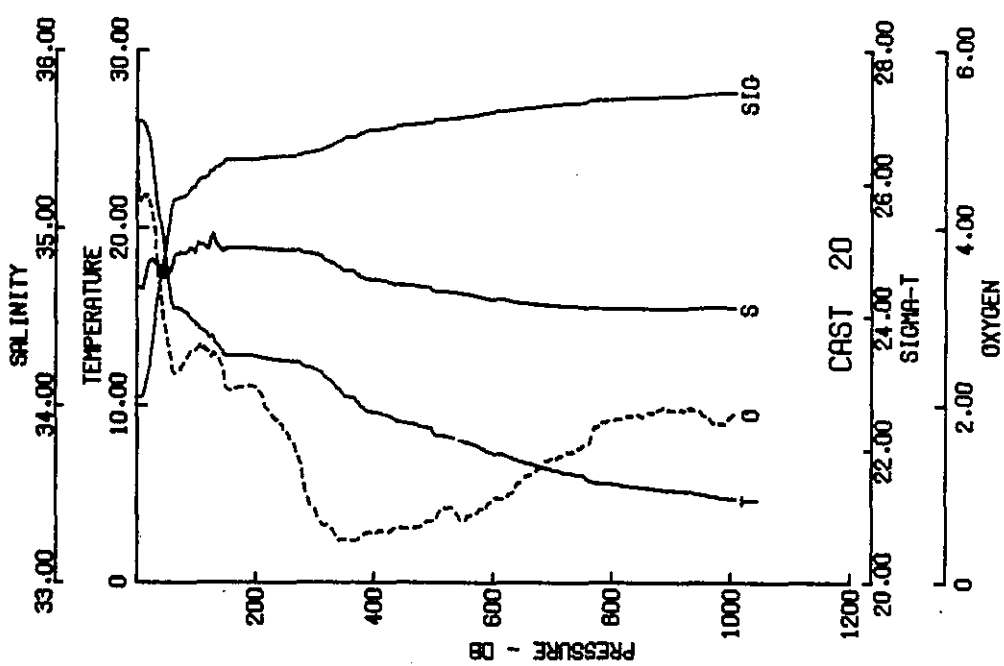
CAST EP3-81-DC-019 DATE 03 JUN 81 TIME 1146 GMT
 LAT 00 59.8N LONG 109 57.4W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 140 T SPD 14 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 24.1 WET 21.8 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.327	34.626	4.57	22.668	0.000
2.	26.327	34.626	4.56	22.668	
10.	26.328	34.626	4.64	22.668	.052
20.	26.321	34.627	4.65	22.670	.104
30.	25.166	34.628	4.30	22.670	.153
40.	24.196	34.628	4.29	22.670	.200
50.	23.193	34.628	3.52	22.670	.240
60.	17.135	34.628	3.34	22.670	.268
70.	16.208	34.628	2.03	22.670	.292
80.	15.578	34.628	1.80	22.670	.315
90.	15.116	34.628	1.65	22.670	.337
100.	14.532	34.628	1.58	22.670	.357
110.	14.109	34.628	1.51	22.670	.377
120.	13.958	34.628	1.48	22.670	.396
130.	13.844	34.628	1.48	22.670	.415
140.	13.807	34.628	1.48	22.670	.433
150.	13.846	34.628	1.53	22.670	.451
160.	13.846	34.628	1.61	22.670	.469
170.	13.822	34.628	1.64	22.670	.486
180.	13.881	34.628	1.71	22.670	.503
190.	13.833	34.628	1.71	22.670	.520
200.	13.573	34.628	1.68	22.670	.537
250.	12.347	34.628	1.11	22.670	.621
300.	11.669	34.628	.59	22.670	.702
350.	10.398	34.628	.49	22.670	.777
400.	9.290	34.628	.58	22.670	.844
450.	8.587	34.628	.72	22.670	.907
500.	8.066	34.628	.92	22.670	.966
550.	7.692	34.628	1.05	22.670	1.023
600.	7.197	34.628	1.19	22.670	1.078
650.	6.791	34.628	1.21	22.670	1.131
700.	6.260	34.628	1.35	22.670	1.181
750.	5.918	34.628	1.41	22.670	1.229
800.	5.512	34.628	1.48	22.670	1.276
850.	5.288	34.628	1.53	22.670	1.320
900.	5.138	34.628	1.58	22.670	1.364
950.	5.060	34.628	1.61	22.670	1.407
1000.	4.845	34.628	1.89	22.670	1.449
1003.	4.836	34.628	1.91	22.670	

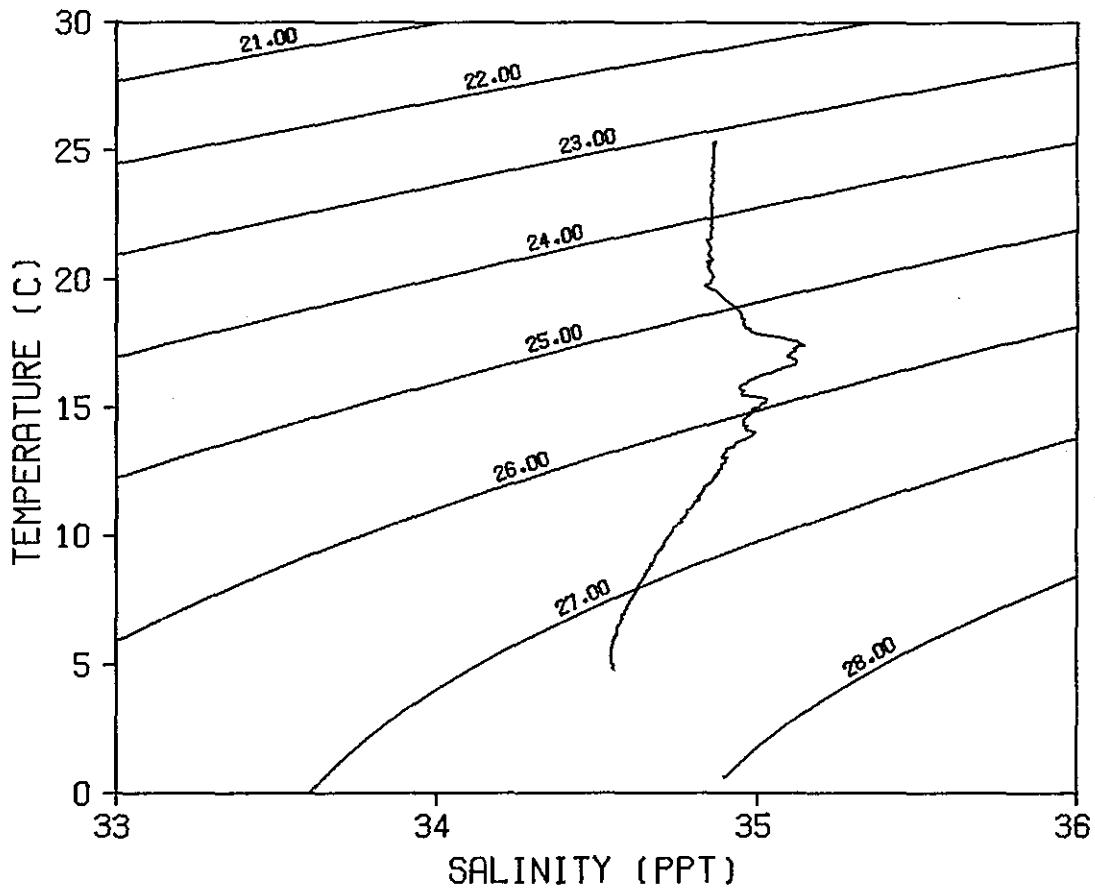
CAST EP3-81-0C-020 DATE 03 JUN 81 TIME 1853 GMT
LAT 00 22.2N LONG 110 05.4W



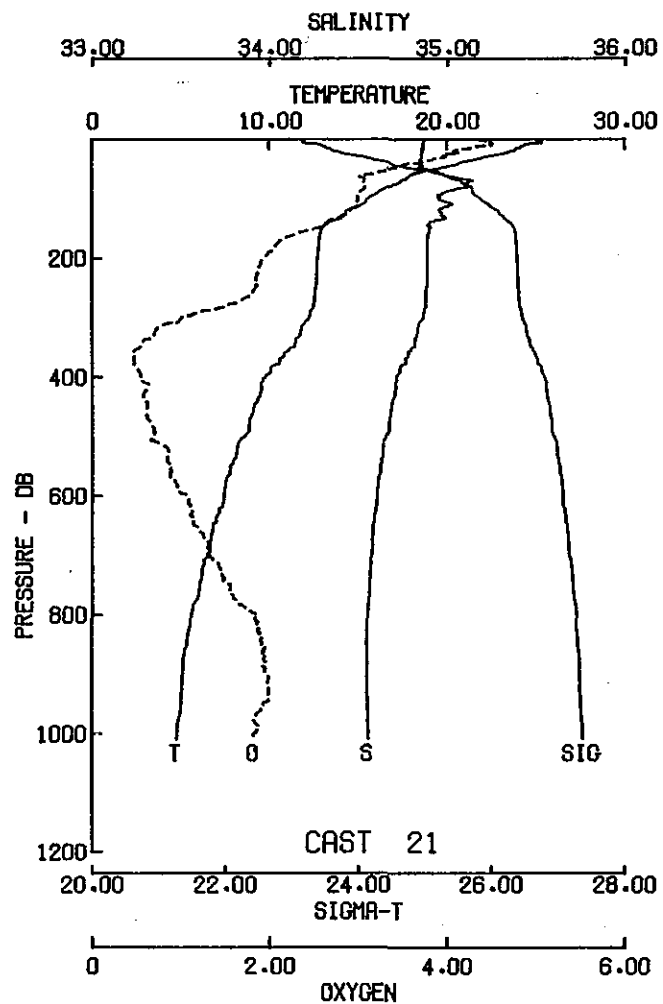
CAST 00 22.2N LONG 110 05.4W DATE 03 JUN 61 TIME 1853 GMT
 BAROMETER 13 WIND DIR 140 T SPD 14 KT WEATHER 1 SEA STATE 3
 CLOUD 8 AMOUNT 4 DRY 24.6 WET 22.5 VISIBILITY 7 M
 DELTA-D 0.000
 SIG-T 22.779
 DXY (ML/L) 4.779
 SAL (PPT) 34.655
 TEMP (C) 25.082
 PRES (DB) 1008.0
 OXYGEN 6.000
 DELTA-D 0.000
 SIG-T 22.779
 DXY (ML/L) 4.779
 SAL (PPT) 34.655
 TEMP (C) 25.082
 PRES (DB) 1008.0
 OXYGEN 6.000



CAST EP3-81-0C-021 DATE 04 JUN 81 TIME 0331 GMT
LAT 00 05.9N LONG 109 54.9W



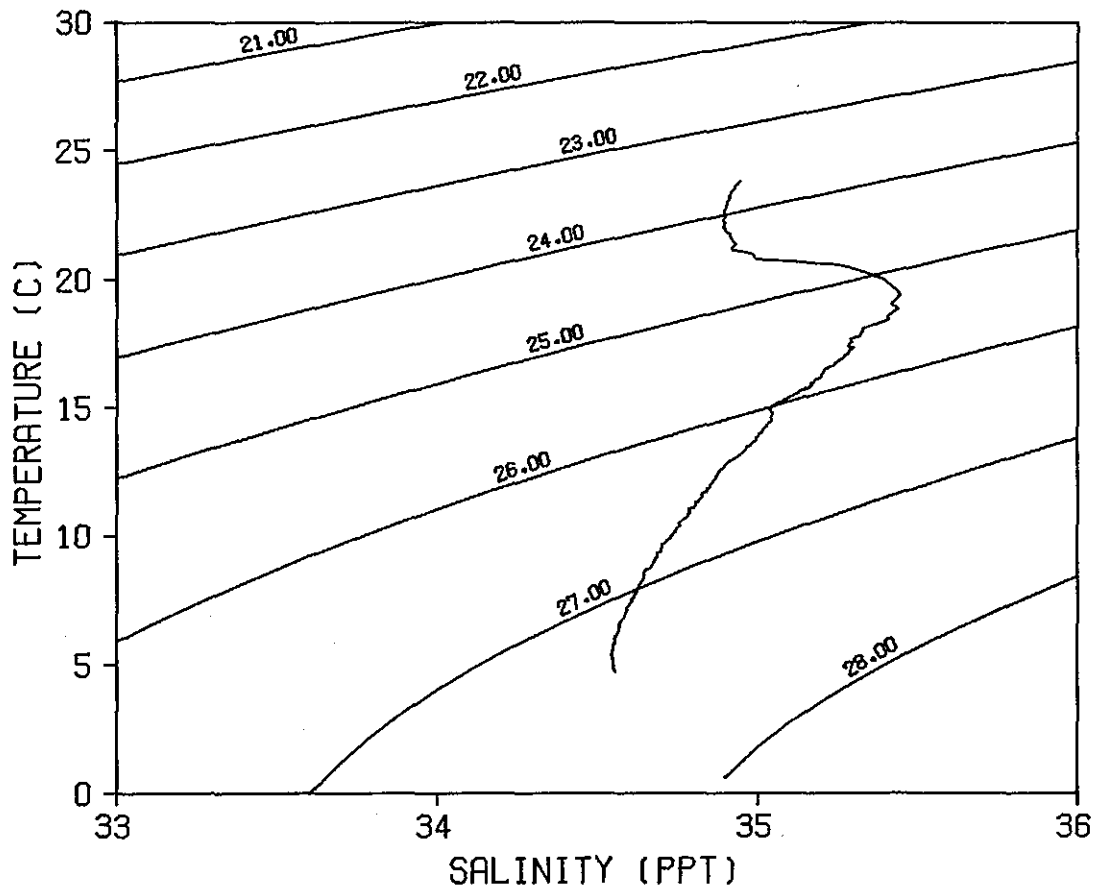
453



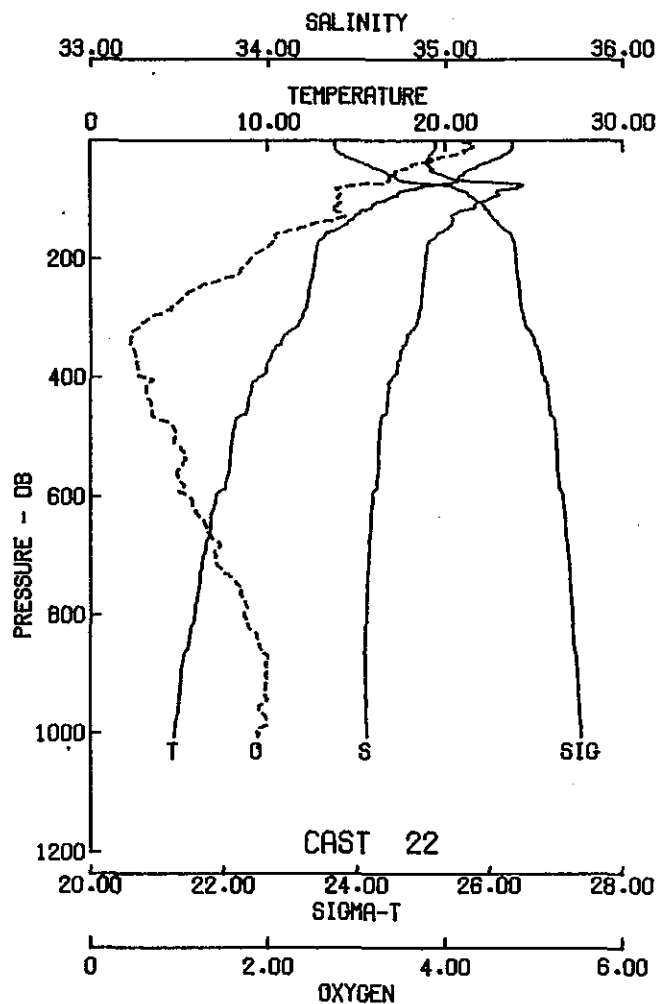
CAST EP3-81-OC-021 DATE 04 JUN 81 TIME 0331 GMT
 LAT 00 05.9N LONG 109 54.9W WEATHER 1 SEA STATE 4
 BAROMETER 11 WIND DIR 140 T SPD 14 KT VISIBILITY 8
 CLOUD 6 AMOUNT 3 DRY 23.7 WET 21.7 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.532	34.872	4.35	23.100	0.000
1.	25.365	34.870	4.37	23.150	
10.	24.370	34.864	4.49	23.447	.046
20.	23.677	34.855	4.08	23.645	.090
30.	22.072	34.855	3.97	24.105	.131
40.	20.690	34.844	3.68	24.477	.167
50.	19.429	34.822	3.31	24.838	.201
60.	18.005	34.979	3.08	25.272	.230
70.	17.418	35.146	3.07	25.543	.256
80.	16.699	35.120	3.07	25.694	.280
90.	16.113	35.983	3.01	25.726	.303
100.	15.574	35.952	3.00	25.824	.326
110.	15.245	35.928	3.98	25.956	.347
120.	14.378	35.954	3.91	26.088	.368
130.	14.082	35.983	3.82	26.174	.387
140.	13.335	35.905	3.66	26.269	.406
150.	12.971	35.903	3.54	26.341	.423
160.	12.949	35.895	3.29	26.360	.440
170.	12.784	35.890	3.13	26.368	.457
180.	12.756	35.889	3.07	26.373	.475
190.	12.721	35.889	3.99	26.380	.492
200.	12.691	35.888	3.94	26.385	.509
250.	12.580	35.883	3.84	26.404	.594
300.	12.227	35.865	3.00	26.458	.678
350.	11.986	35.807	3.54	26.501	.757
400.	11.744	35.715	3.56	26.792	.829
450.	11.116	35.684	3.62	26.872	.895
500.	10.572	35.659	3.67	26.939	.957
550.	10.799	35.624	3.86	27.028	1.016
600.	10.428	35.605	3.08	27.068	1.072
650.	10.802	35.581	3.16	27.137	1.126
700.	10.566	35.574	3.31	27.163	1.177
750.	10.030	35.561	3.55	27.223	1.226
800.	10.570	35.550	3.83	27.272	1.273
850.	10.343	35.548	3.91	27.308	1.318
900.	10.119	35.549	3.94	27.325	1.361
950.	10.222	35.522	3.93	27.339	1.404
1000.	10.789	35.557	3.82	27.369	1.446
1008.	10.771	35.556	3.83	27.371	

CAST EP3-81-0C-022 DATE 04 JUN 81 TIME 1110 GMT
LAT 0 31.9S LONG 110 01.1W



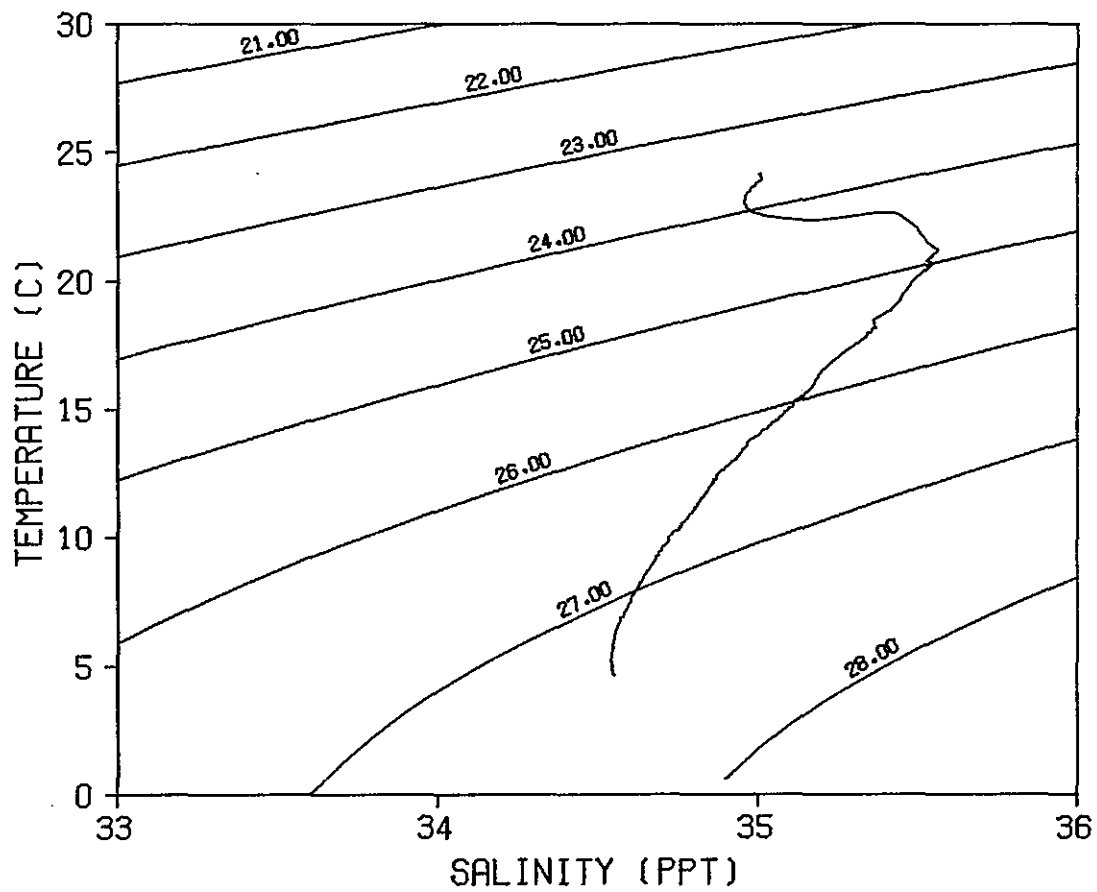
455



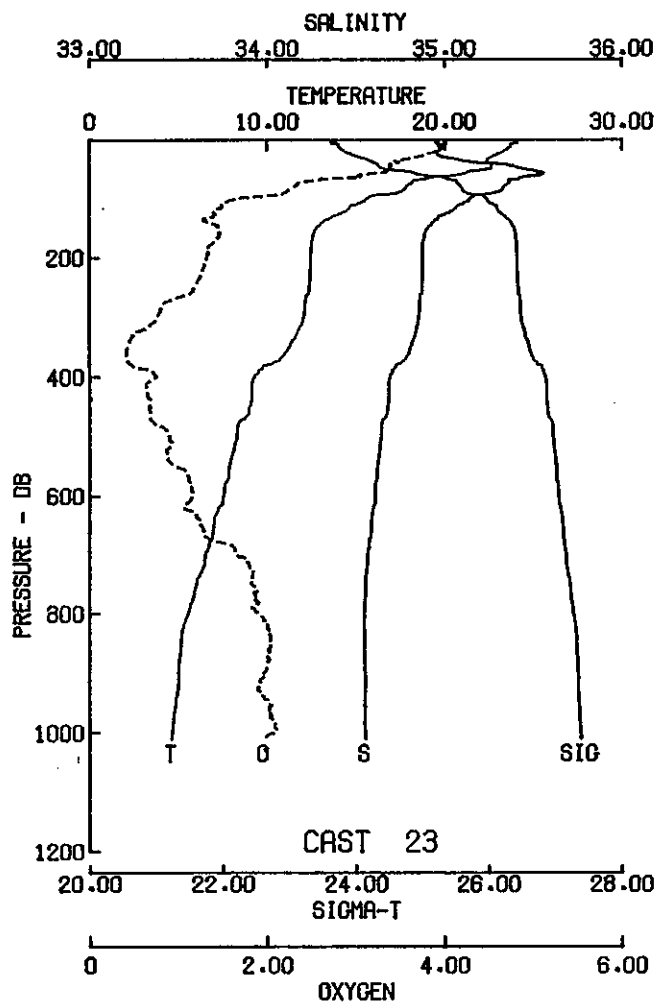
CAST EP3-81-0C-022 DATE 04 JUN 81 TIME 1110 GMT
 LAT 0 31.9S LONG 110 01.1W WEATHER 1 SEA STATE 3
 BARDMETER 11 WIND DIR 130 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 23.1 WET 21.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	23.808	34.943	4.15	23.673	0.000
3.	23.808	34.944	4.21	23.674	
10.	23.807	34.945	4.23	23.675	.042
20.	23.567	34.927	4.21	23.732	.085
30.	22.966	34.902	3.93	23.887	.126
40.	22.097	34.893	3.64	24.128	.165
50.	21.313	34.929	3.46	24.372	.202
60.	20.824	34.986	3.44	24.556	.237
70.	20.610	35.228	3.44	24.790	.271
80.	18.465	35.407	3.44	25.484	.299
90.	17.343	35.295	3.82	25.674	.323
100.	16.746	35.243	3.80	25.778	.346
110.	15.913	35.168	3.79	25.913	.368
120.	15.261	35.080	3.76	25.992	.389
130.	14.872	35.040	3.83	26.048	.409
140.	14.511	35.041	3.83	26.127	.429
150.	13.944	35.004	3.83	26.205	.448
160.	13.230	34.951	3.83	26.282	.466
170.	12.896	34.908	3.83	26.360	.483
180.	12.758	34.898	3.83	26.380	.500
190.	12.685	34.894	3.83	26.391	.517
200.	12.643	34.888	3.83	26.395	.534
250.	12.319	34.870	3.80	26.444	.618
300.	11.913	34.848	3.67	26.506	.700
350.	11.397	34.759	3.45	26.714	.776
400.	9.500	34.702	3.33	26.825	.843
450.	8.888	34.675	3.33	26.901	.908
500.	8.009	34.631	3.33	27.002	.968
550.	7.858	34.623	3.33	27.021	1.025
600.	7.081	34.591	3.11	27.106	1.081
650.	6.773	34.581	3.30	27.140	1.133
700.	6.348	34.569	3.41	27.188	1.183
750.	6.112	34.559	3.67	27.211	1.232
800.	5.853	34.556	3.73	27.241	1.280
850.	5.550	34.550	3.90	27.274	1.326
900.	5.102	34.539	4.08	27.328	1.370
950.	4.973	34.533	4.94	27.345	1.413
1000.	4.737	34.556	1.89	27.375	1.455
1006.	4.711	34.556	1.89	27.378	

CAST EP3-81-0C-023 DATE 04 JUN 81 TIME 2128 GMT
LAT 1 02.5S LONG 109 54.1W

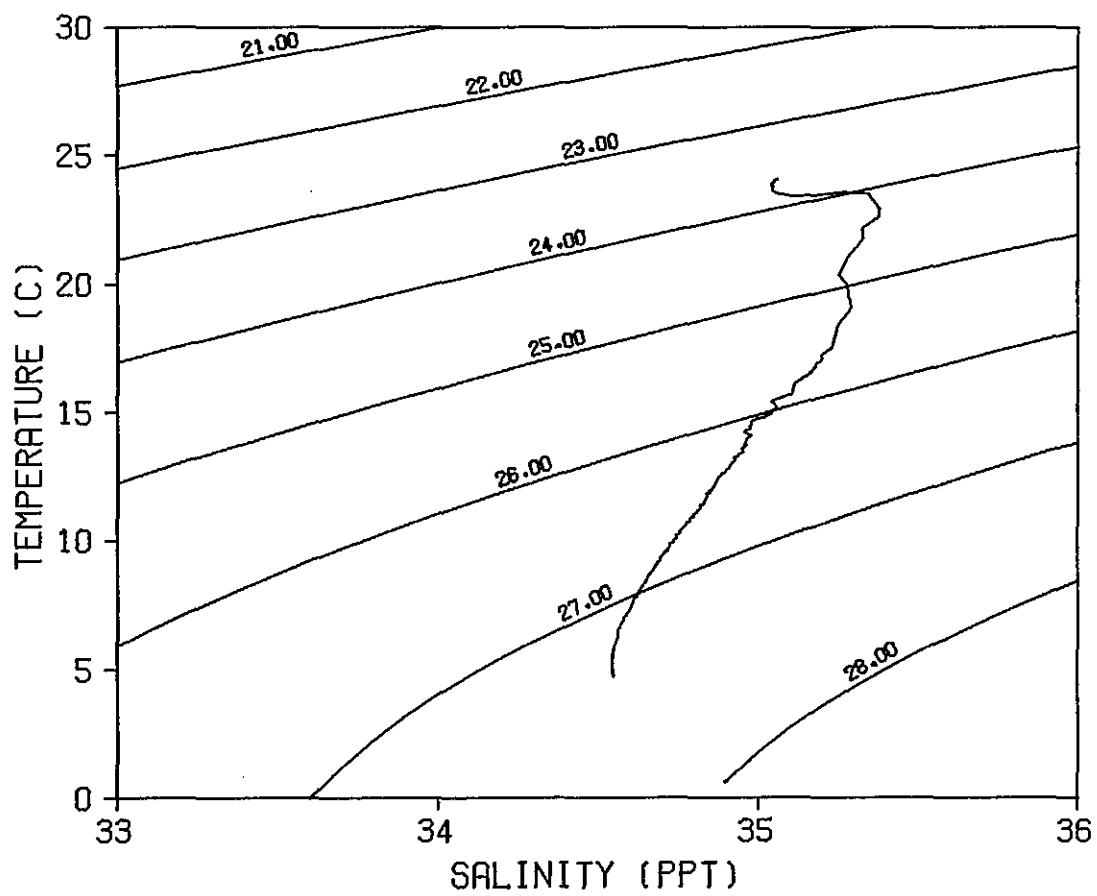


CAST EP3-81-0C-023 DATE 04 JUN 81 TIME 2128 GMT
 LAT 1 02.55 LONG 109 54.1W WEATHER 1 SEA STATE 3
 BARMETER 11 WIND DIR 110 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 24.8 WET 22.3 DEPTH M

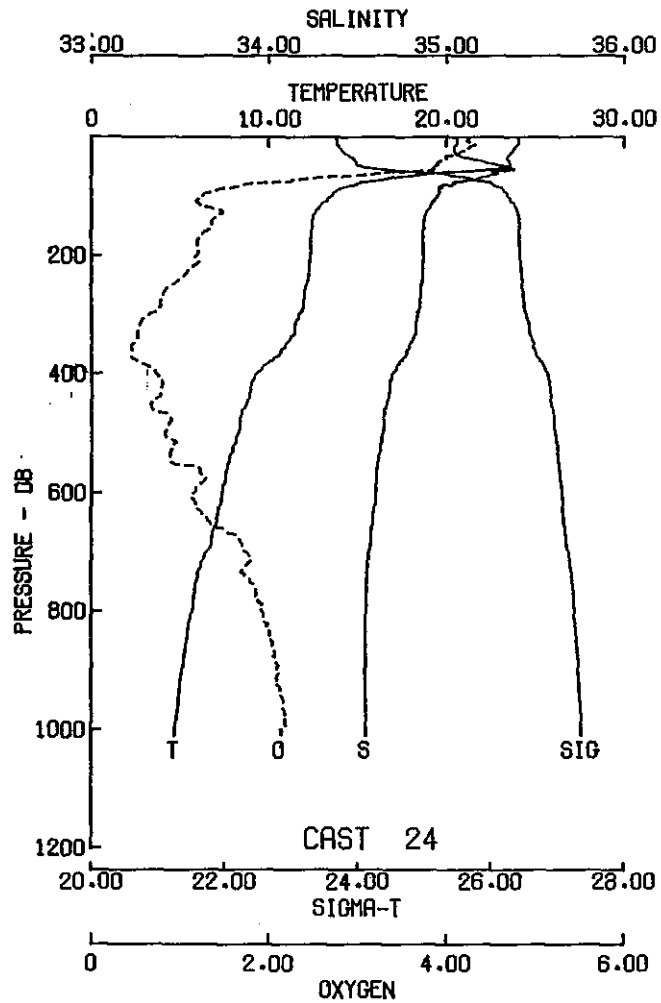


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.465	35.012	3.84	23.531	0.000
3.	24.130	35.008	3.93	23.627	
10.	23.729	34.994	3.93	23.735	.043
20.	23.300	34.962	3.91	23.836	.084
30.	22.590	35.004	3.65	24.072	.124
40.	22.441	35.230	3.42	24.285	.161
50.	22.476	35.451	3.35	24.443	.197
60.	22.689	35.546	3.03	25.010	.229
70.	22.203	35.364	3.47	25.317	.256
80.	17.825	35.334	3.28	25.588	.281
90.	17.360	35.282	2.19	25.661	.305
100.	15.594	35.145	1.66	25.968	.327
110.	15.038	35.099	1.48	26.057	.347
120.	14.468	35.047	1.41	26.141	.367
130.	13.681	34.967	1.38	26.245	.385
140.	13.107	34.935	1.34	26.338	.403
150.	12.766	34.902	1.43	26.382	.420
160.	12.595	34.888	1.47	26.404	.437
170.	12.541	34.882	1.43	26.410	.454
180.	12.456	34.874	1.35	26.421	.470
190.	12.448	34.874	1.34	26.422	.487
200.	12.439	34.874	1.32	26.424	.504
250.	12.348	34.871	1.17	26.440	.587
300.	12.028	34.853	.75	26.487	.669
350.	11.234	34.810	.42	26.603	.748
400.	9.262	34.691	.74	26.853	.819
450.	8.986	34.677	.67	26.887	.882
500.	8.261	34.640	.90	26.972	.943
550.	7.826	34.618	.98	27.020	1.001
600.	7.513	34.606	1.15	27.056	1.058
650.	6.968	34.585	1.25	27.117	1.112
700.	6.504	34.562	1.66	27.162	1.164
750.	6.009	34.552	1.83	27.219	1.214
800.	5.545	34.546	1.91	27.272	1.261
850.	5.153	34.546	2.03	27.319	1.304
900.	4.983	34.549	1.96	27.341	1.347
950.	4.829	34.549	2.02	27.359	1.389
1000.	4.650	34.552	2.06	27.382	1.430
1010.	4.630	34.553	1.97	27.384	

CAST EP3-81-0C-024 DATE 05 JUN 81 TIME 0656 GMT
LAT 1 32.6S LONG 109 57.1W



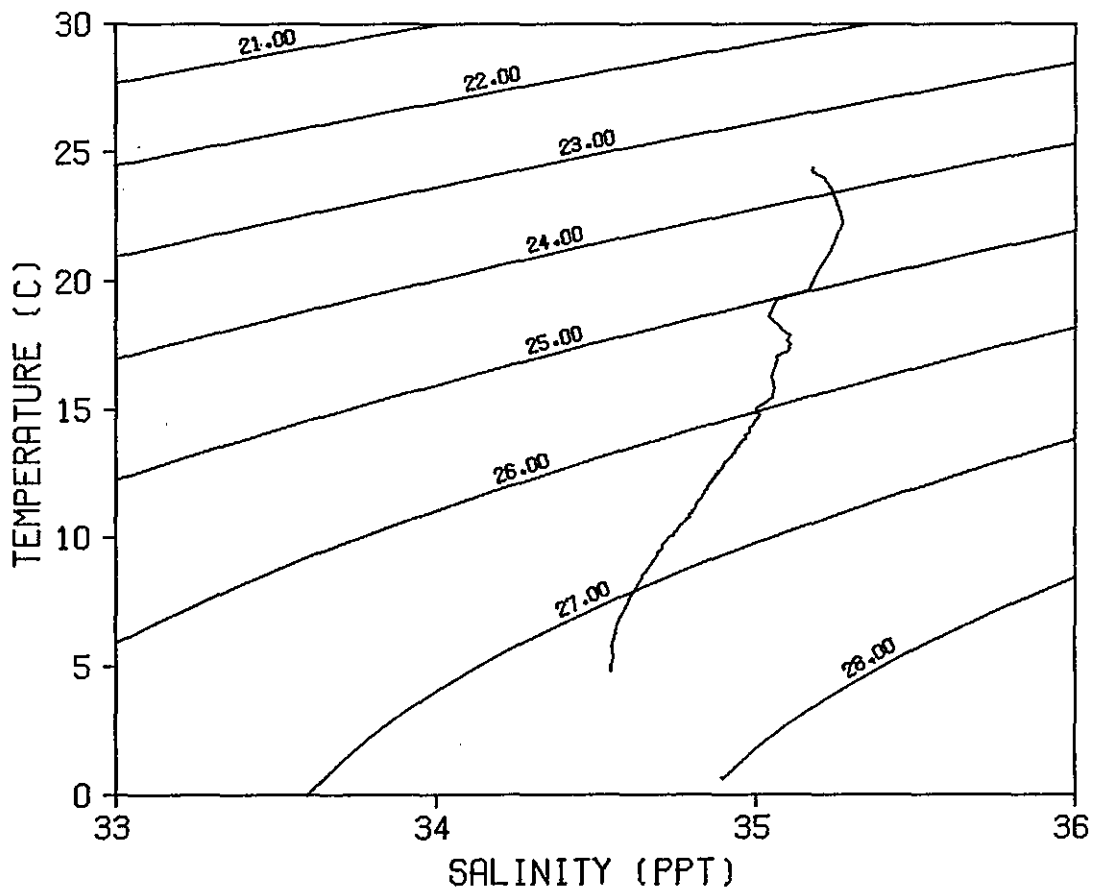
459



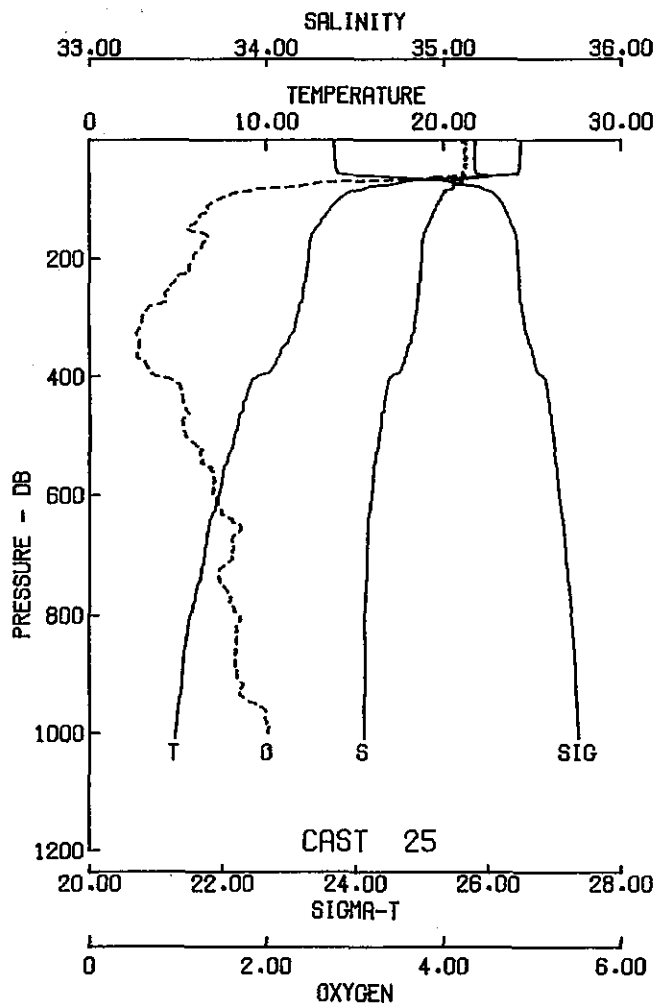
CAST EP3-81-DC-024 DATE 05 JUN 81 TIME 0656 GMT
 LAT 1332.653 LONG 109 57.1 W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 110 T SPD 10 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 DRY 23.8 WET 22.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.065	35.059	4.28	23.685	0.000
2.	24.067	35.059	4.27	23.684	
10.	24.065	35.061	4.30	23.686	.042
20.	23.810	35.044	4.23	23.749	.084
30.	23.538	35.059	4.10	23.840	.126
40.	23.476	35.184	3.94	23.953	.166
50.	23.520	35.341	3.87	24.059	.205
60.	19.975	35.270	3.35	24.998	.241
70.	16.910	35.518	3.50	25.602	.267
80.	14.922	35.037	1.72	26.035	.288
90.	13.904	35.963	1.42	26.196	.308
100.	13.579	35.948	1.25	26.252	.326
110.	13.144	35.926	1.19	26.324	.344
120.	12.842	35.908	1.35	26.371	.361
130.	12.546	35.882	1.46	26.409	.377
140.	12.443	35.873	1.37	26.422	.394
150.	12.255	35.873	1.33	26.426	.410
160.	12.400	35.871	1.27	26.429	.427
170.	12.337	35.871	1.22	26.434	.443
180.	12.367	35.870	1.20	26.435	.460
190.	12.335	35.871	1.21	26.436	.476
200.	12.355	35.871	1.18	26.438	.493
250.	11.117	35.859	.90	26.475	.575
300.	11.715	35.838	.65	26.535	.656
350.	10.960	35.794	.48	26.640	.733
400.	9.304	35.697	.74	26.851	.803
450.	8.763	35.668	.68	26.916	.865
500.	8.776	35.642	.83	26.971	.926
550.	8.738	35.613	.94	27.029	.983
600.	7.391	35.602	1.15	27.071	1.039
650.	7.095	35.587	1.34	27.101	1.093
700.	6.446	35.561	1.75	27.169	1.146
750.	5.923	35.552	1.80	27.230	1.194
800.	5.687	35.548	1.93	27.256	1.241
850.	5.393	35.546	2.03	27.290	1.287
900.	5.137	35.545	2.10	27.320	1.331
950.	4.927	35.546	2.17	27.346	1.373
1000.	4.738	35.548	2.19	27.369	1.415
1009.	4.724	35.548	2.14	27.370	

CAST EP3-81-0C-025 DATE 05 JUN 81 TIME 1740 GMT
LAT 2 00.5S LONG 109 57.6W



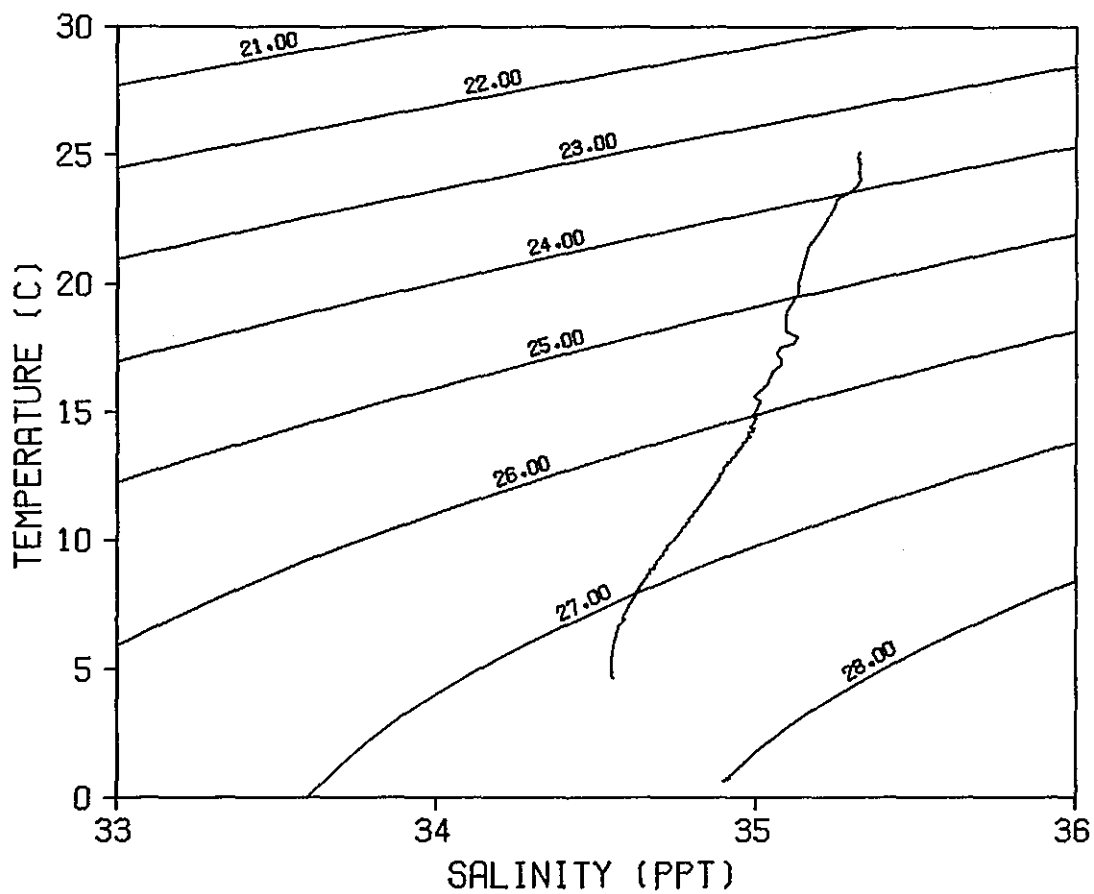
461



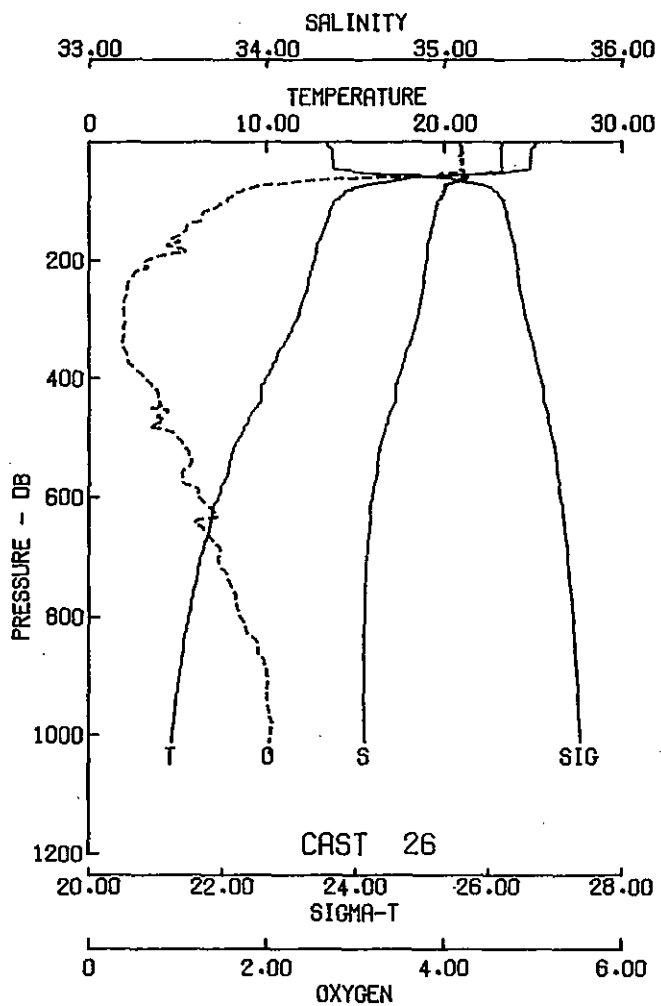
CAST EP3-81-OC-025 DATE 05 JUN 81 TIME 1740 GMT
 LAT 2 00.55 LONG 109 57.6W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 120 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 25.3 WET 23.3 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.379	35.179	4.13	23.682	0.000
4.	24.384	35.178	4.20	23.680	
10.	24.374	35.179	4.24	23.683	.042
20.	24.339	35.177	4.24	23.693	.084
30.	24.321	35.175	4.25	23.696	.127
40.	24.298	35.175	4.25	23.703	.169
50.	24.254	35.177	4.22	23.718	.211
60.	22.833	35.258	4.13	24.194	.252
70.	17.837	35.107	2.77	25.411	.283
80.	15.824	35.056	2.09	25.886	.307
90.	14.995	35.055	1.62	26.088	.328
100.	14.113	35.082	1.45	26.166	.347
110.	13.732	35.059	1.34	26.229	.365
120.	13.496	35.045	1.34	26.267	.384
130.	13.228	35.030	1.25	26.310	.401
140.	13.026	35.015	1.19	26.339	.419
150.	12.758	35.008	1.12	26.380	.436
160.	12.532	35.008	1.32	26.415	.453
170.	12.450	35.007	1.30	26.426	.469
180.	12.410	35.007	1.26	26.431	.486
190.	12.360	35.007	1.19	26.439	.502
200.	12.346	35.007	1.16	26.442	.519
250.	12.110	35.007	.88	26.477	.601
300.	11.721	35.007	.60	26.537	.681
350.	10.972	35.002	.56	26.645	.758
400.	9.492	35.007	.78	26.828	.830
450.	8.677	35.007	1.07	26.924	.892
500.	8.140	35.007	1.07	26.984	.952
550.	7.699	35.009	1.31	27.032	1.010
600.	7.308	35.004	1.38	27.076	1.066
650.	6.744	35.007	1.70	27.137	1.119
700.	6.484	35.007	1.61	27.168	1.170
750.	6.070	35.007	1.50	27.217	1.219
800.	5.705	35.007	1.69	27.257	1.267
850.	5.441	35.007	1.66	27.292	1.312
900.	5.237	35.007	1.67	27.315	1.356
950.	5.024	35.007	1.87	27.335	1.399
1000.	4.846	35.007	2.02	27.356	1.442
1008.	4.817	35.007	2.02	27.359	

CAST EP3-81-0C-026 DATE 05 JUN 81 TIME 2247 GMT
LAT 2 32.0S LONG 110 01.0W



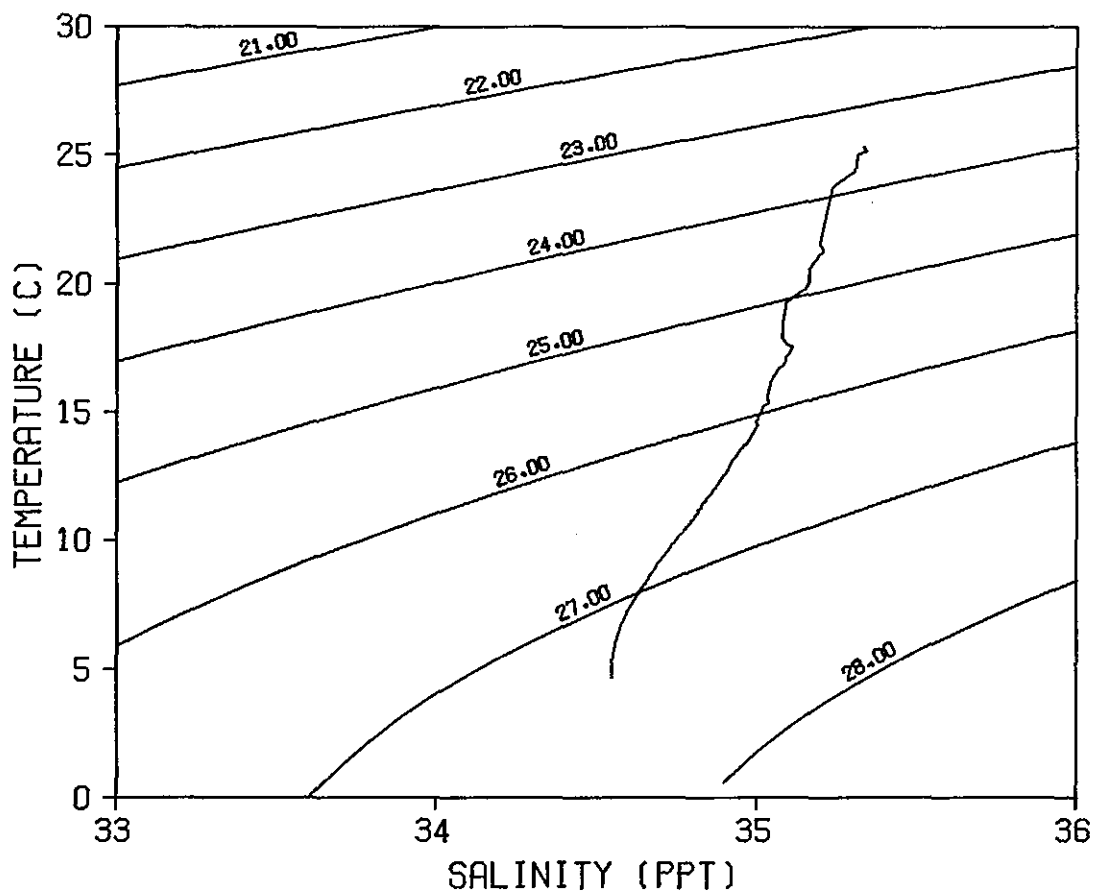
463



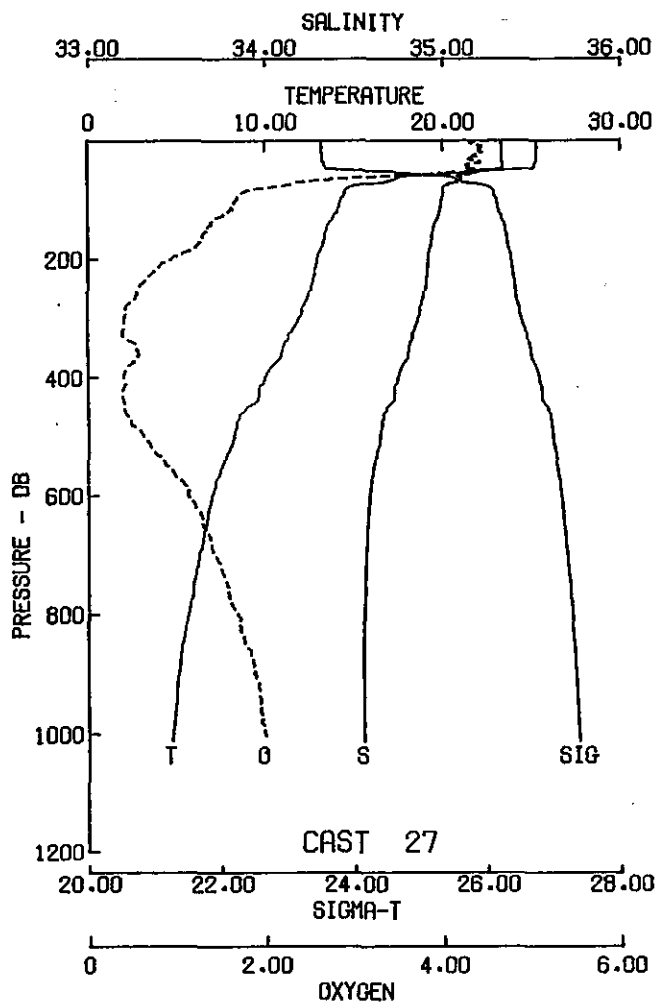
CAST EP3-81-0C-026 DATE 05 JUN 81 TIME 2247 GMT
 LAT 232.05 LONG 110 01.0W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 120 T SPD 13 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 25.2 WET 22.3 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.126	35.326	4.13	23.567	0.000
4.	25.150	35.323	4.18	23.573	
10.	24.959	35.318	4.19	23.612	.043
20.	24.850	35.318	4.19	23.645	.086
30.	24.837	35.319	4.20	23.650	.129
40.	24.818	35.321	4.19	23.657	.171
50.	23.819	35.316	4.22	23.952	.213
60.	18.137	35.093	3.09	25.326	.247
70.	16.112	35.039	2.55	25.769	.272
80.	14.750	35.003	2.14	26.046	.293
90.	14.233	34.979	1.80	26.138	.312
100.	13.809	34.958	1.52	26.212	.331
110.	13.634	34.934	1.43	26.245	.349
120.	13.493	34.946	1.29	26.268	.367
130.	13.428	34.939	1.27	26.276	.385
140.	13.278	34.931	1.10	26.301	.403
150.	13.150	34.922	1.07	26.320	.421
160.	13.021	34.915	.98	26.340	.438
170.	12.855	34.905	.95	26.366	.455
180.	12.770	34.900	1.04	26.379	.472
190.	12.709	34.900	.85	26.392	.489
200.	12.625	34.895	.64	26.404	.506
250.	12.250	34.878	.42	26.464	.589
300.	11.672	34.844	.39	26.548	.669
350.	10.749	34.790	.39	26.676	.745
400.	9.941	34.739	.64	26.777	.816
450.	9.340	34.701	.69	26.848	.888
500.	8.427	34.651	1.00	26.935	.944
550.	7.836	34.621	1.11	27.021	1.000
600.	7.269	34.595	1.24	27.082	1.059
650.	6.784	34.578	1.27	27.137	1.111
700.	6.274	34.562	1.46	27.192	1.162
750.	5.921	34.552	1.60	27.230	1.210
800.	5.586	34.550	1.70	27.270	1.257
850.	5.328	34.547	1.90	27.329	1.302
900.	5.080	34.546	2.00	27.328	1.345
950.	4.888	34.544	2.02	27.351	1.388
1000.	4.661	34.544	2.05	27.378	1.429
1011.	4.660	34.552	2.03	27.360	

CAST EP3-81-0C-027 DATE 06 JUN 81 TIME 0901 GMT
LAT 2 57.2S LONG 110 00.6W



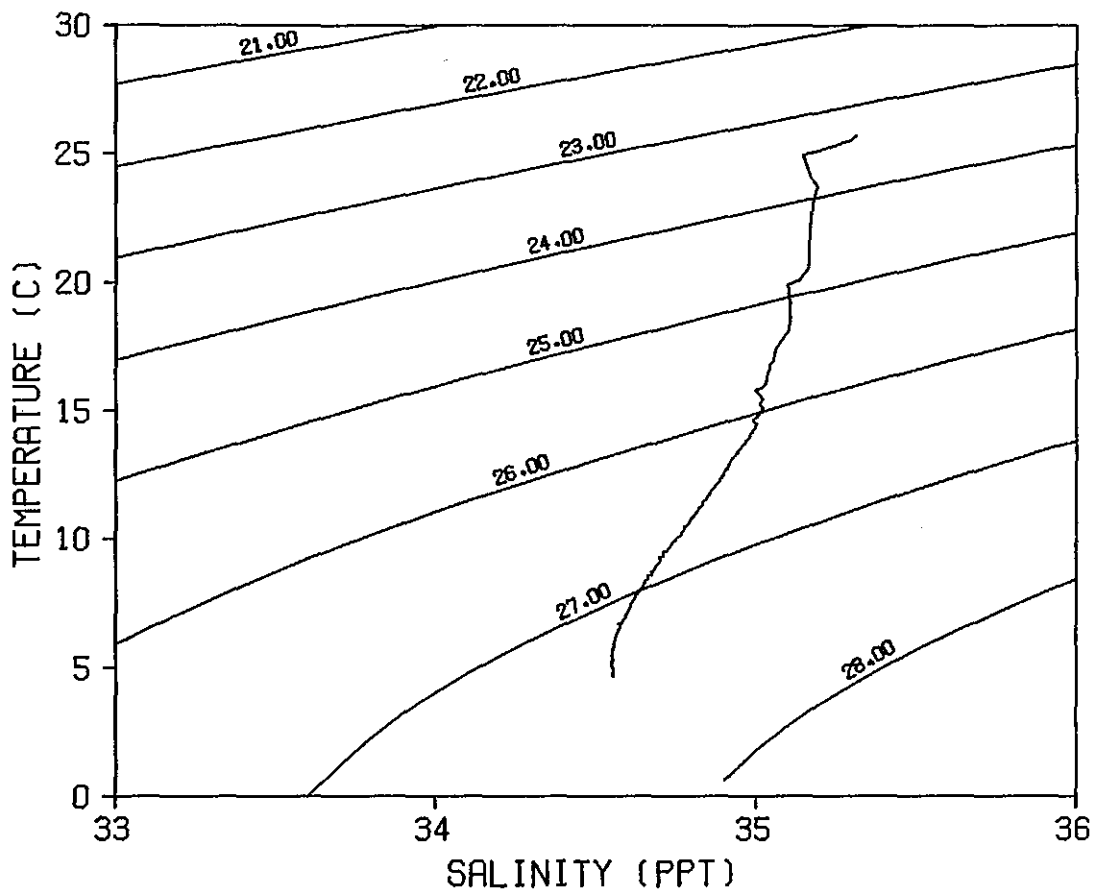
465



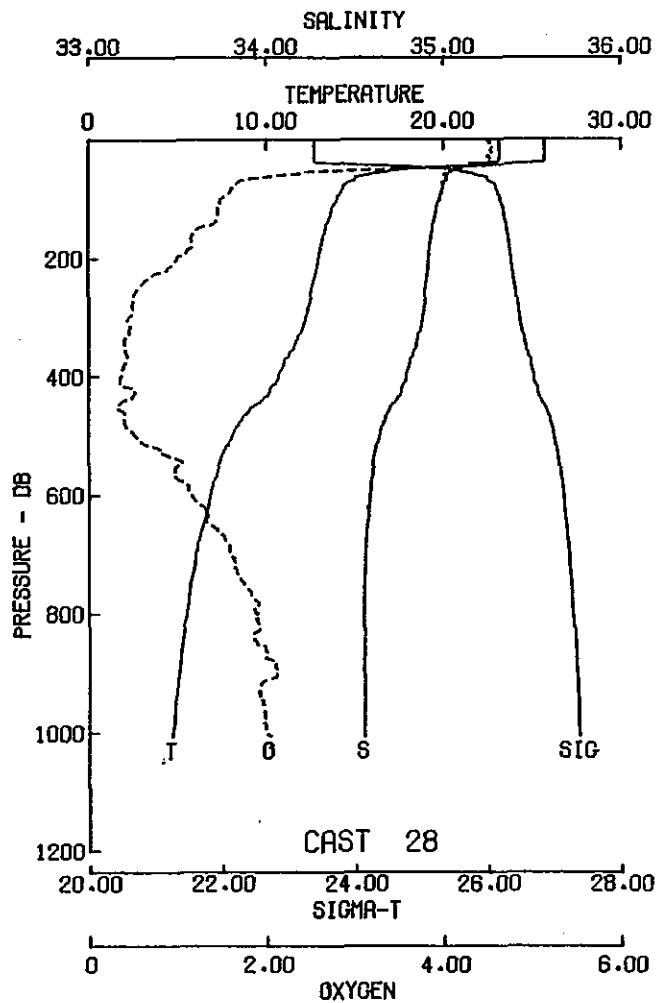
CAST EP3-81-OC-027 DATE 06 JUN 81 TIME 0901 GMT
 LAT 2 57.2S LONG 110 00.6W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 080 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 1 DRY 24.1 WET 22.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.309	35.335	4.51	23.518	0.000
1.	25.309	35.336	4.68	23.519	
10.	25.318	35.334	4.45	23.515	.044
20.	25.296	35.334	4.44	23.522	.088
30.	25.280	35.336	4.30	23.528	.132
40.	25.211	35.339	4.29	23.551	.175
50.	25.163	35.338	4.45	23.591	.218
60.	25.147	35.080	3.42	25.378	.251
70.	25.140	35.084	2.39	25.633	.276
80.	25.144	35.999	1.98	26.057	.297
90.	25.144	35.002	1.72	26.108	.316
100.	25.144	35.993	1.68	26.142	.336
110.	25.144	35.988	1.62	26.157	.355
120.	25.144	35.984	1.58	26.182	.374
130.	25.144	35.971	1.55	26.220	.392
140.	25.144	35.952	1.53	26.257	.411
150.	25.144	35.945	1.52	26.276	.429
160.	25.144	35.938	1.52	26.295	.446
170.	25.144	35.934	1.52	26.305	.464
180.	25.144	35.928	1.52	26.319	.482
190.	25.144	35.919	1.52	26.346	.499
200.	25.144	35.916	1.52	26.362	.517
250.	25.144	35.901	1.52	26.419	.602
300.	25.144	35.862	1.52	26.516	.684
350.	25.144	35.809	1.52	26.647	.761
400.	25.144	35.747	1.52	26.778	.832
450.	25.144	35.686	1.52	26.894	.899
500.	25.144	35.644	1.52	26.985	.959
550.	25.144	35.611	1.52	27.056	1.016
600.	25.144	35.586	1.13	27.118	1.069
650.	25.144	35.574	1.29	27.153	1.121
700.	25.144	35.563	1.42	27.200	1.171
750.	25.144	35.557	1.56	27.240	1.219
800.	25.144	35.551	1.68	27.271	1.265
850.	25.144	35.550	1.78	27.306	1.310
900.	25.144	35.548	1.87	27.330	1.353
950.	25.144	35.549	1.94	27.347	1.395
1000.	25.144	35.550	1.98	27.371	1.437
1011.	25.144	35.550	1.99	27.376	

CAST EP3-81-0C-028 DATE 06 JUN 81 TIME 1303 GMT
LAT 3 31.6S LONG 110 00.2W



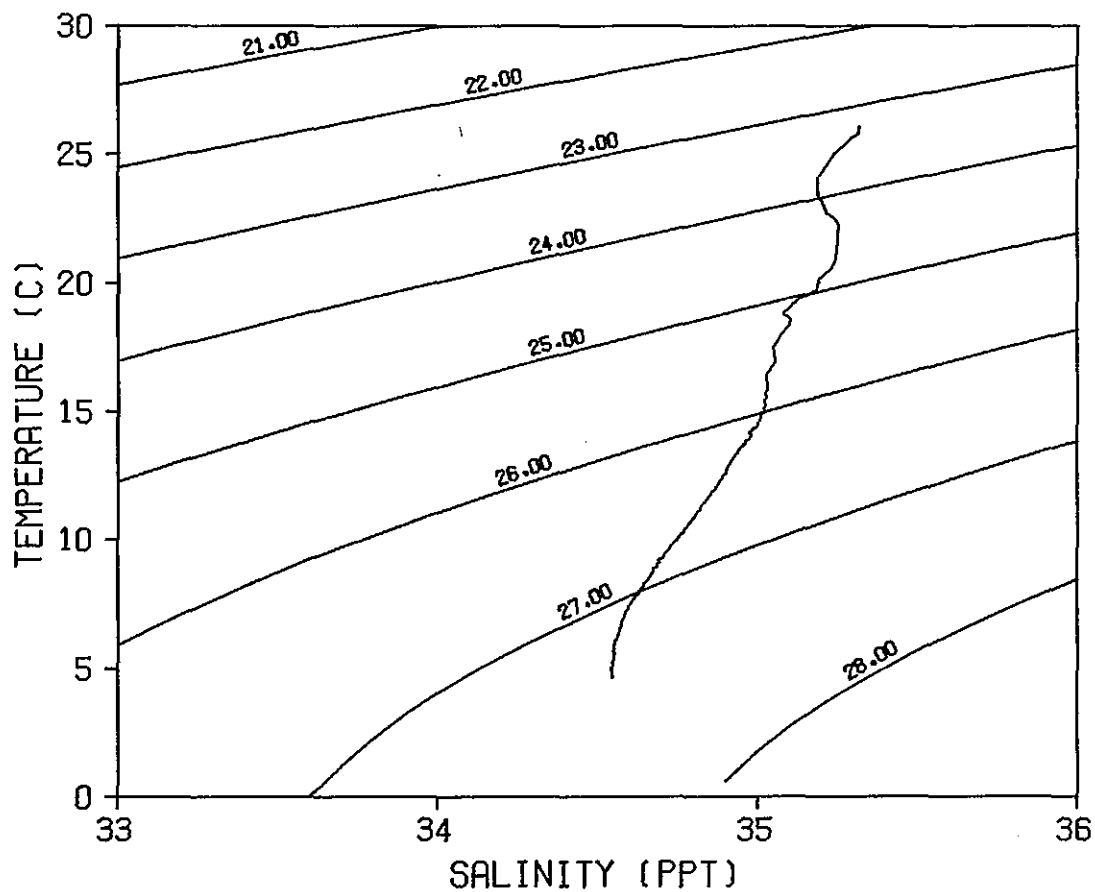
467



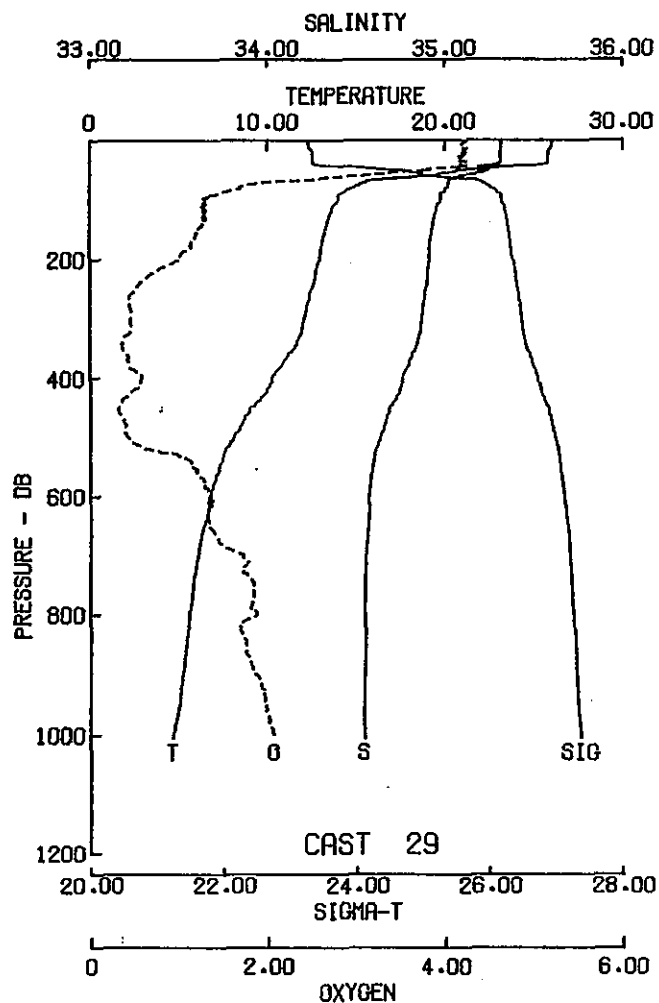
CAST EP3-81-DC-028 DATE 06 JUN 81 TIME 1303 GMT
 LAT 3 31.6S LONG 110 00.2W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 080 T SPD 15 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 24.8 WET 22.1 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.691	35.314	4.49	23.385	0.000
1.	25.692	35.314	4.50	23.385	
10.	25.696	35.315	4.52	23.384	.045
20.	25.698	35.316	4.54	23.384	.090
30.	25.698	35.316	4.51	23.384	.135
40.	24.916	35.317	4.60	23.396	.180
50.	18.084	35.302	3.50	23.346	.215
60.	19.789	35.309	2.18	23.812	.239
70.	14.922	35.301	1.13	26.016	.259
80.	14.355	35.305	1.63	26.125	.279
90.	14.188	35.300	1.57	26.157	.298
100.	14.003	35.280	1.49	26.188	.317
110.	13.812	35.266	1.48	26.218	.335
120.	13.677	35.259	1.46	26.240	.354
130.	13.593	35.252	1.45	26.252	.372
140.	13.477	35.246	1.41	26.272	.390
150.	13.355	35.239	1.23	26.291	.408
160.	13.273	35.232	1.17	26.303	.425
170.	13.178	35.229	1.16	26.319	.443
180.	13.086	35.222	1.15	26.333	.461
190.	13.031	35.220	1.10	26.342	.478
200.	12.955	35.217	.99	26.355	.495
250.	12.566	35.209	.55	26.418	.581
300.	12.190	35.200	.44	26.477	.664
350.	11.533	35.184	.41	26.572	.744
400.	10.663	35.178	.35	26.690	.819
450.	9.310	35.170	.32	26.858	.889
500.	8.092	35.164	.52	26.997	.949
550.	7.319	35.160	.99	27.082	1.005
600.	6.823	35.158	1.15	27.136	1.057
650.	6.422	35.156	1.36	27.179	1.108
700.	5.981	35.155	1.61	27.226	1.157
750.	5.495	35.153	1.75	27.258	1.203
800.	5.496	35.153	1.69	27.281	1.249
850.	5.206	35.154	1.88	27.313	1.293
900.	5.031	35.154	2.10	27.334	1.336
950.	4.837	35.151	1.95	27.360	1.378
1000.	4.693	35.149	2.00	27.375	1.419
1005.	4.680	35.150	2.04	27.377	

CAST EP3-81-0C-029 DATE 06 JUN 81 TIME 2325 GMT
LAT 3 59.3S LONG 110 00.1W



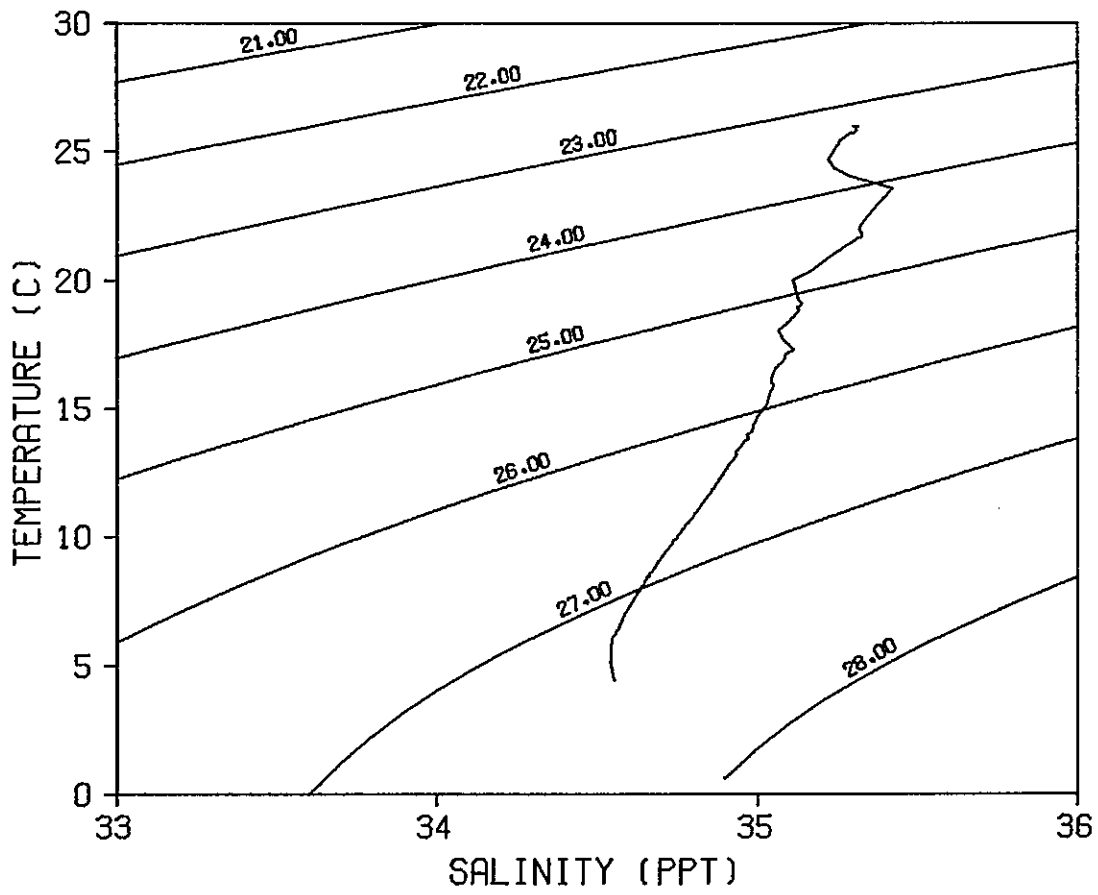
697



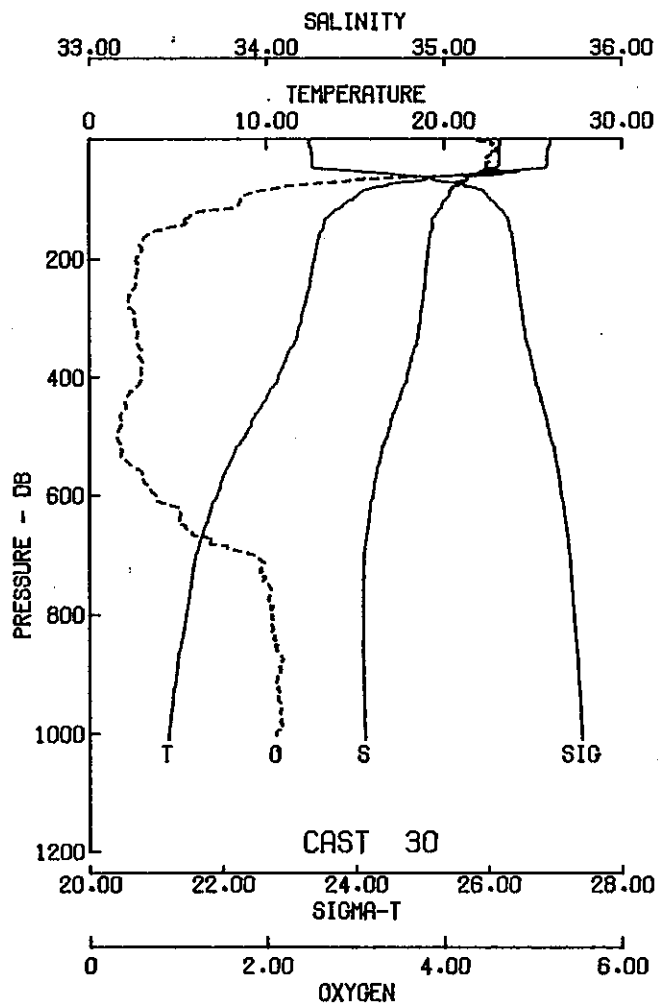
CAST EP3-81-QC-029 DATE 06 JUN 81 TIME 2325 GMT
 LAT 3 59.35 LONG 110 00.1W WEATHER 0 SEA STATE 3
 BAROMETER 10 WIND DIR 150 T SPD 13 KT VISIBILITY 8
 CLOUD 8 AMOUNT 1 DRY 26.2 WET 23.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.089	35.318	4.28	23.264	0.000
3.	26.065	35.317	4.25	23.270	
10.	26.019	35.316	4.19	23.284	.046
20.	25.831	35.315	4.17	23.342	.092
30.	25.614	35.315	4.16	23.347	.137
40.	25.433	35.308	4.16	23.364	.183
50.	25.288	35.302	4.16	23.472	.223
60.	25.180	35.301	4.16	23.515	.254
70.	25.047	35.300	4.16	23.887	.279
80.	24.824	35.300	4.16	26.034	.300
90.	24.674	35.300	4.16	26.171	.319
100.	24.994	35.300	4.16	26.187	.338
110.	24.736	35.300	4.16	26.227	.356
120.	24.621	35.300	4.16	26.246	.374
130.	24.479	35.300	4.16	26.268	.393
140.	24.394	35.300	4.16	26.281	.410
150.	24.268	35.300	4.16	26.301	.428
160.	24.203	35.300	4.16	26.310	.446
170.	24.117	35.300	4.16	26.324	.463
180.	24.063	35.300	4.16	26.332	.481
190.	24.015	35.300	4.16	26.342	.498
200.	24.943	35.300	4.16	26.353	.516
250.	24.493	35.300	4.16	26.427	.601
300.	24.073	35.300	4.16	26.492	.683
350.	24.522	35.300	4.16	26.570	.763
400.	24.293	35.300	4.16	26.737	.837
450.	24.006	35.300	4.16	26.890	.904
500.	24.082	35.300	4.16	26.996	.965
550.	24.290	35.300	4.16	27.079	1.021
600.	24.743	35.300	4.16	27.138	1.074
650.	24.380	35.300	4.16	27.180	1.124
700.	24.059	35.300	4.16	27.212	1.173
750.	24.809	35.300	4.16	27.241	1.220
800.	24.598	35.300	4.16	27.268	1.266
850.	24.411	35.300	4.16	27.290	1.312
900.	24.209	35.300	4.16	27.311	1.356
950.	24.017	35.300	4.16	27.332	1.399
1000.	24.669	35.300	4.16	27.374	1.441
1004.	24.663	35.300	4.16	27.374	

CAST EP3-81-0C-030 DATE 07 JUN 81 TIME 0322 GMT
LAT 4 31.2S LONG 109 58.5W



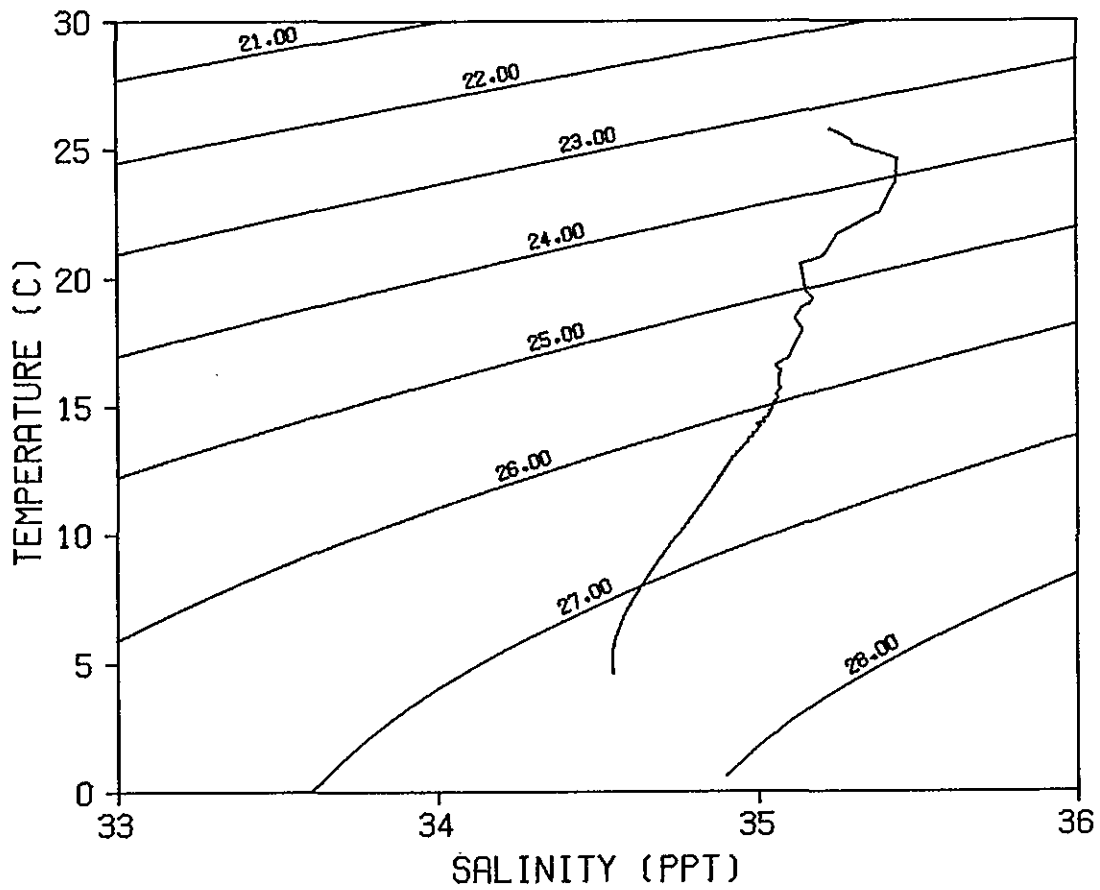
471



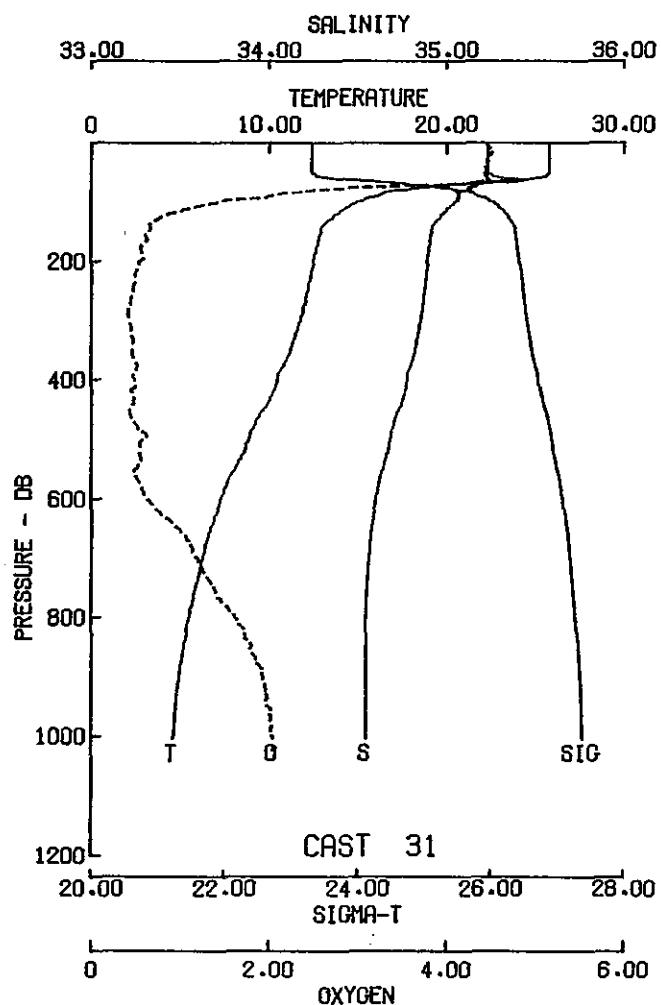
CAST EP3-81-OC-030 DATE 07 JUN 81 TIME 0322 GMT
 LAT 4 31.2S LONG 109 58.5W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 140 T SPD 13 KT VISIBILITY 7
 CLOUD 7 AMOUNT 3 DRY 25.1 WET 22.4 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.980	35.309	4.40	23.291	0.000
1.	25.977	35.303	4.51	23.287	
10.	25.966	35.315	4.54	23.300	.046
20.	25.836	35.310	4.59	23.337	.092
30.	25.815	35.319	4.50	23.345	.137
40.	25.803	35.311	4.49	23.348	.183
50.	25.444	35.262	4.49	23.421	.228
60.	21.507	35.301	4.26	24.601	.267
70.	18.661	35.121	2.93	25.216	.297
80.	16.378	35.048	2.17	25.714	.322
90.	15.293	35.033	1.83	25.950	.343
100.	14.913	35.015	1.71	26.020	.364
110.	14.346	34.987	1.68	26.121	.384
120.	13.832	34.967	1.31	26.144	.403
130.	13.467	34.943	1.13	26.272	.421
140.	12.247	34.932	1.09	26.308	.439
150.	11.169	34.933	.85	26.324	.456
160.	12.953	34.920	.66	26.358	.473
170.	12.883	34.915	.60	26.368	.491
180.	12.810	34.910	.58	26.379	.508
190.	12.727	34.906	.56	26.392	.525
200.	12.685	34.902	.53	26.396	.542
250.	12.370	34.888	.50	26.448	.625
300.	11.939	34.865	.51	26.514	.706
350.	11.347	34.831	.56	26.599	.785
400.	10.626	34.788	.58	26.696	.859
450.	9.660	34.729	.42	26.817	.929
500.	8.769	34.678	.31	26.922	.993
550.	7.833	34.627	.48	27.026	1.052
600.	7.209	34.596	.76	27.099	1.107
650.	6.539	34.570	1.07	27.163	1.159
700.	5.984	34.545	1.87	27.216	1.208
750.	5.720	34.542	2.02	27.247	1.255
800.	5.440	34.541	2.06	27.281	1.301
850.	5.150	34.541	2.12	27.316	1.345
900.	4.891	34.545	2.12	27.346	1.387
950.	4.673	34.547	2.15	27.375	1.428
1000.	4.467	34.552	2.10	27.401	1.468
1009.	4.444	34.552	2.11	27.405	

CAST EP3-81-0C-031 DATE 07 JUN 81 TIME 1339 GMT
LAT 4 59.7S LONG 110 03.4W



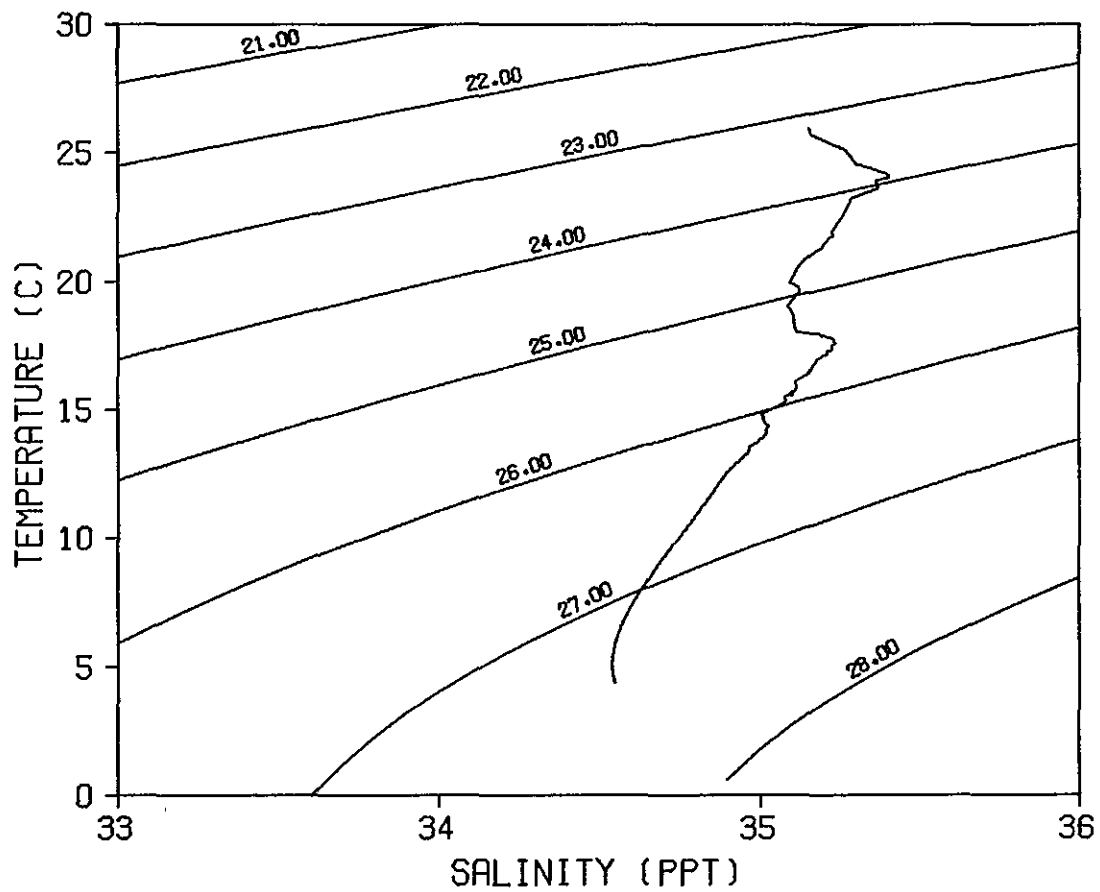
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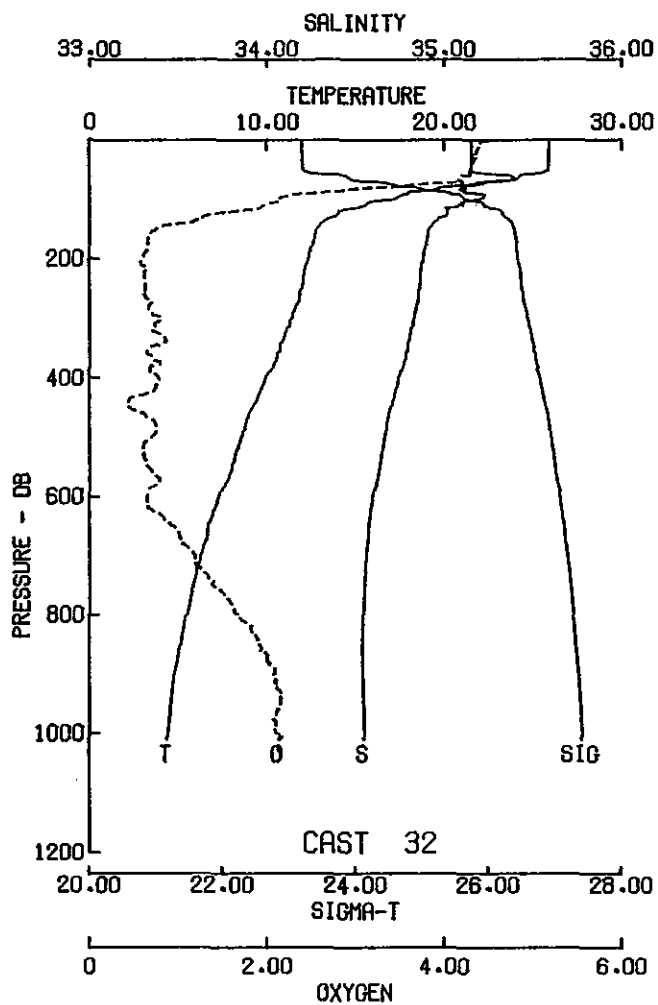
CAST EP3-81-OC-031 DATE 07 JUN 81 TIME 1339 GMT
 LAT 4 59.75 LONG 110 03.4W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 120 T SPD 20 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 25.0 WET 22.8 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.761	35.229	4.42	23.299	0.000
3.	25.766	35.229	4.44	23.297	
10.	25.762	35.230	4.48	23.299	.046
20.	25.768	35.231	4.48	23.298	.092
30.	25.780	35.230	4.45	23.294	.138
40.	25.777	35.230	4.44	23.296	.184
50.	25.773	35.232	4.42	23.298	.230
60.	24.961	35.56	4.48	23.640	.275
70.	20.524	35.135	4.06	24.743	.313
80.	17.373	35.115	2.45	25.530	.341
90.	16.114	35.064	1.98	25.787	.364
100.	15.028	35.044	1.45	26.017	.385
110.	14.372	35.012	1.11	26.135	.405
120.	13.840	35.082	.86	26.224	.423
130.	13.372	35.949	.73	26.295	.441
140.	13.023	35.919	.66	26.343	.459
150.	12.890	35.914	.63	26.366	.476
160.	12.793	35.908	.62	26.380	.493
170.	12.736	35.905	.58	26.390	.510
180.	12.637	35.899	.56	26.405	.527
190.	12.556	35.895	.57	26.417	.543
200.	12.472	35.891	.54	26.431	.560
250.	12.156	35.874	.46	26.479	.642
300.	11.759	35.854	.42	26.539	.722
350.	11.201	35.822	.46	26.616	.799
400.	10.477	35.779	.49	26.716	.872
450.	9.708	35.731	.43	26.811	.942
500.	8.836	35.682	.50	26.914	1.006
550.	8.081	35.640	.49	27.099	1.066
600.	7.261	35.599	.62	27.087	1.122
650.	6.678	35.575	.97	27.144	1.175
700.	6.051	35.561	1.19	27.194	1.225
750.	5.851	35.552	1.38	27.238	1.273
800.	5.503	35.546	1.61	27.277	1.319
850.	5.162	35.543	1.79	27.316	1.363
900.	4.918	35.543	1.92	27.344	1.406
950.	4.734	35.544	1.98	27.366	1.447
1000.	4.605	35.546	2.03	27.381	1.488
1004.	4.562	35.546	2.04	27.384	

CAST EP3-81-0C-032 DATE 07 JUN 81 TIME 1738 GMT
LAT 5 29.1S LONG 109 59.8W



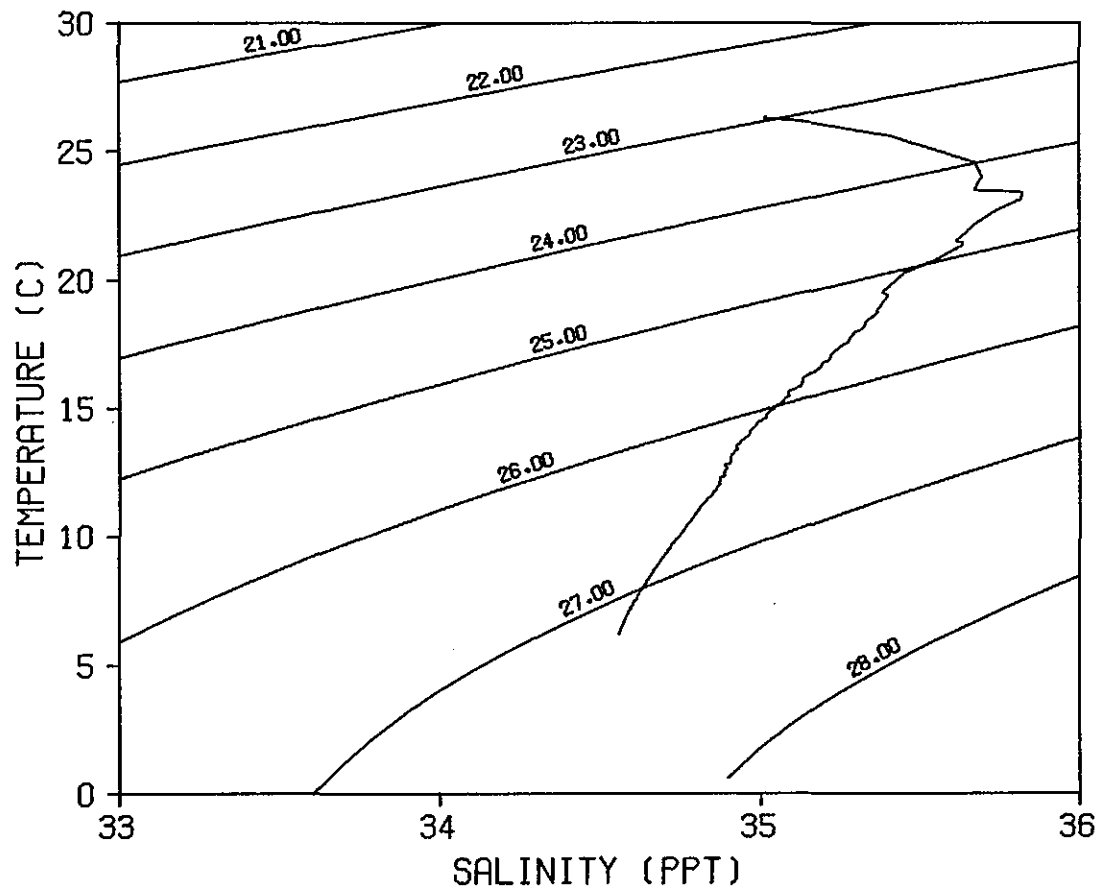
475



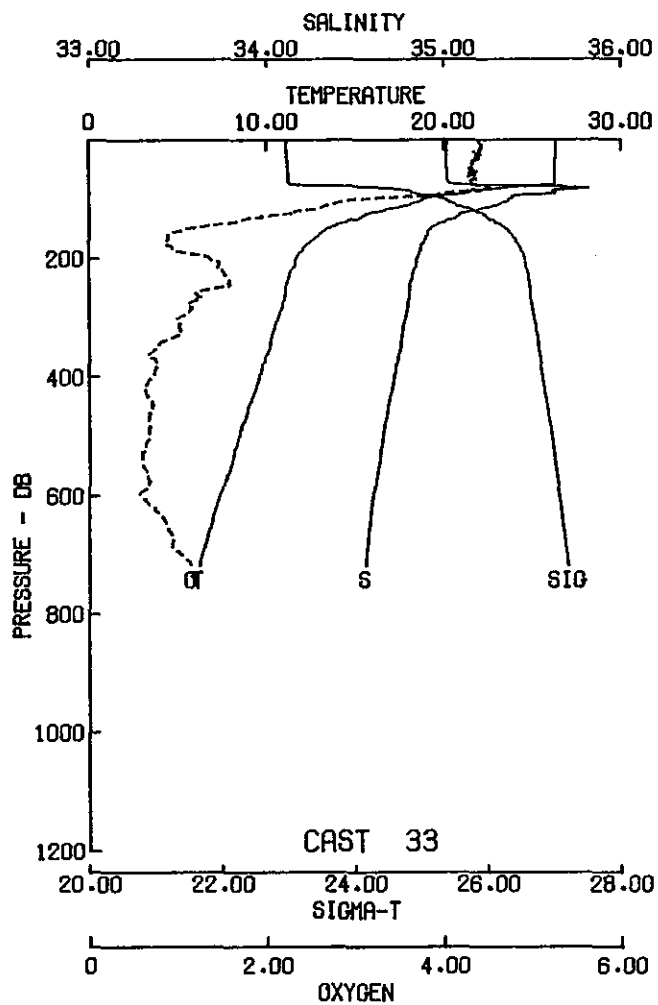
CAST EP3-81-DC-032 DATE 07 JUN 81 TIME 1738 GMT
 LAT 5 29.15 LONG 109 59.8W WEATHER 1 SEA STATE 3
 BAROMETER 15 WIND DIR 130 T SPD 21 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 26.8 WET 22.8 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.925	35.154	4.50	23.191	0.000
2.	25.924	35.154	4.49	23.192	
10.	25.926	35.156	4.40	23.193	.047
20.	25.904	35.156	4.37	23.199	.094
30.	25.901	35.156	4.36	23.201	.141
40.	25.893	35.157	4.33	23.204	.188
50.	25.860	35.155	4.29	23.212	.235
60.	24.337	35.362	4.27	23.833	.280
70.	23.218	35.285	4.17	24.104	.320
80.	19.956	35.093	3.38	24.861	.355
90.	17.976	35.143	2.59	25.404	.384
100.	17.262	35.210	2.29	25.629	.409
110.	15.588	35.100	1.48	25.937	.431
120.	14.151	35.019	1.16	26.187	.451
130.	13.871	35.000	1.28	26.222	.469
140.	13.103	34.942	1.09	26.345	.487
150.	12.796	34.916	.75	26.386	.504
160.	12.703	34.907	.67	26.398	.521
170.	12.588	34.899	.65	26.415	.537
180.	12.529	34.895	.65	26.423	.554
190.	12.420	34.887	.64	26.433	.571
200.	12.349	34.883	.61	26.449	.587
250.	11.979	34.866	.62	26.504	.668
300.	11.420	34.831	.60	26.585	.746
350.	10.745	34.793	.66	26.679	.821
400.	9.971	34.746	.78	26.777	.891
450.	9.205	34.699	.45	26.869	.958
500.	8.558	34.664	.69	26.945	1.020
550.	8.023	34.636	.66	27.005	1.079
600.	7.304	34.599	.66	27.081	1.135
650.	6.712	34.576	.63	27.145	1.188
700.	6.273	34.561	1.20	27.192	1.239
750.	5.837	34.550	1.38	27.239	1.287
800.	5.496	34.545	1.67	27.277	1.333
850.	5.175	34.541	1.91	27.312	1.377
900.	4.811	34.542	2.09	27.355	1.420
950.	4.578	34.545	2.15	27.384	1.460
1000.	4.399	34.548	2.11	27.406	1.500
1010.	4.384	34.549	2.14	27.408	

CAST EP3-81-0C-033 DATE 08 JUN 81 TIME 0140 GMT
LAT 6 00.8S LONG 109 59.2W



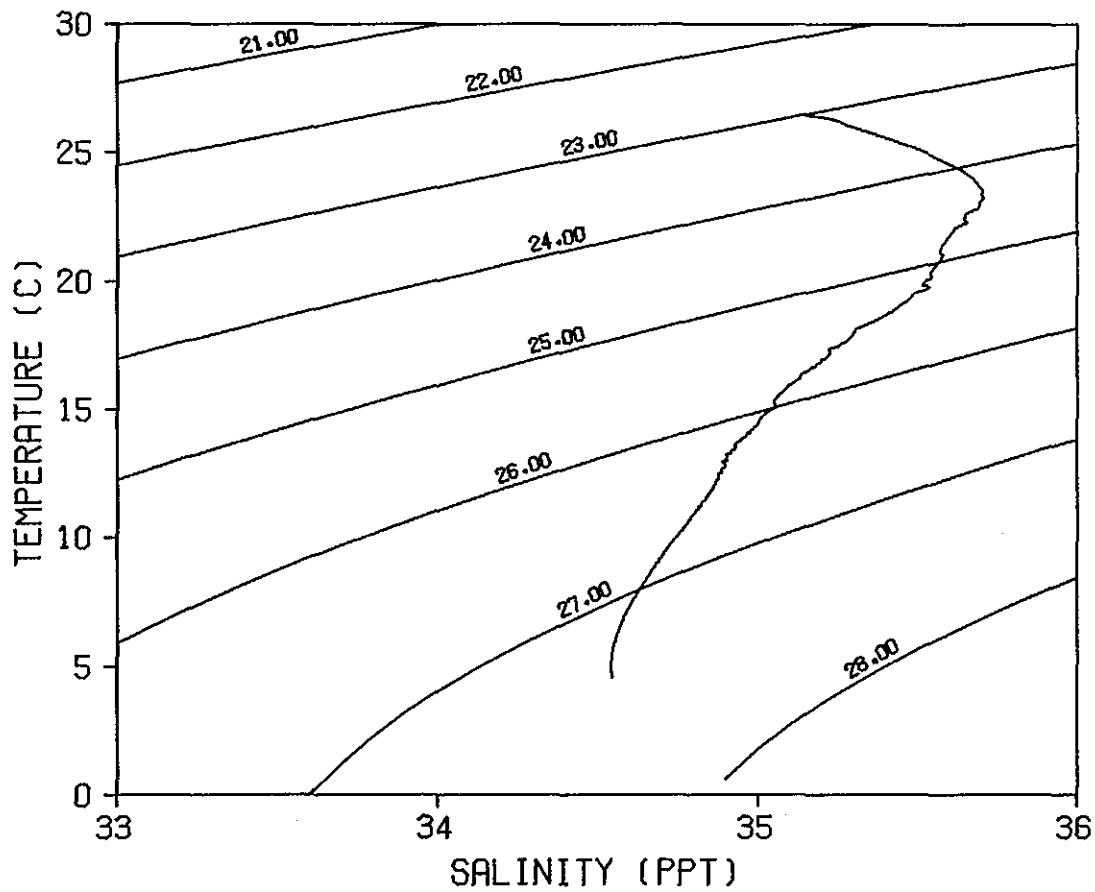
477



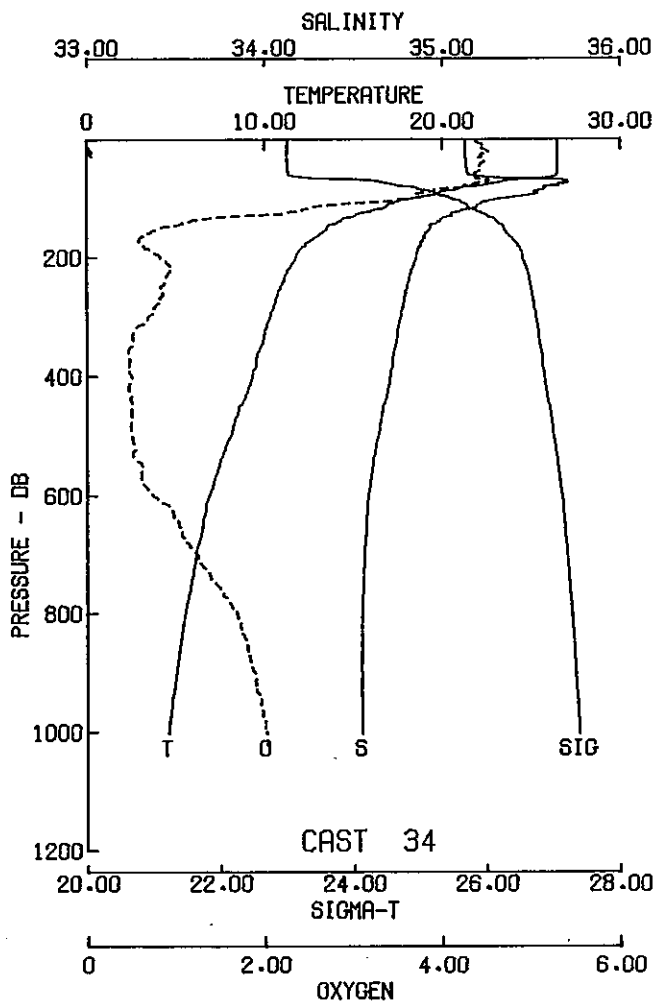
CAST EP3-61-DC-033 DATE 08 JUN 81 TIME 0140 GMT
 LAT 6 00.8S LONG 109 59.2W WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 140 T SPD 17 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 25.2 WET 21.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.329	35.018	4.36	22.963	0.000
4.	26.330	35.018	4.40	22.962	
10.	26.331	35.016	4.44	22.961	.049
20.	26.322	35.016	4.34	22.963	.098
30.	26.307	35.015	4.38	22.967	.147
40.	26.267	35.015	4.33	22.980	.197
50.	26.265	35.017	4.29	22.982	.246
60.	26.258	35.019	4.33	22.985	.295
70.	26.258	35.024	4.30	22.989	.344
80.	23.490	35.669	4.52	24.315	.390
90.	21.332	35.631	3.97	24.900	.422
100.	18.902	35.367	3.11	25.343	.451
110.	18.051	35.309	2.68	25.513	.477
120.	16.552	35.180	2.32	25.775	.501
130.	15.328	35.075	1.95	25.974	.522
140.	14.262	34.981	1.55	26.134	.542
150.	13.374	34.927	1.08	26.278	.561
160.	12.956	34.903	.89	26.344	.579
170.	12.562	34.890	.87	26.412	.595
180.	12.170	34.873	.93	26.476	.612
190.	11.918	34.865	1.06	26.518	.628
200.	11.695	34.853	1.36	26.551	.643
250.	11.064	34.807	1.46	26.632	.719
300.	10.635	34.784	1.02	26.691	.791
350.	10.167	34.756	.74	26.752	.861
400.	9.581	34.722	.71	26.824	.929
450.	8.981	34.686	.71	26.895	.993
500.	8.444	34.658	.66	26.957	1.054
550.	7.960	34.633	.60	27.011	1.113
600.	7.337	34.602	.58	27.079	1.169
650.	6.865	34.582	.87	27.129	1.223
700.	6.338	34.563	1.05	27.185	1.273
717.	6.188	34.558	1.15	27.201	

CAST EP3-81-0C-034 DATE 08 JUN 81 TIME 1158 GMT
LAT 6 30.0S LONG 110 00.0W



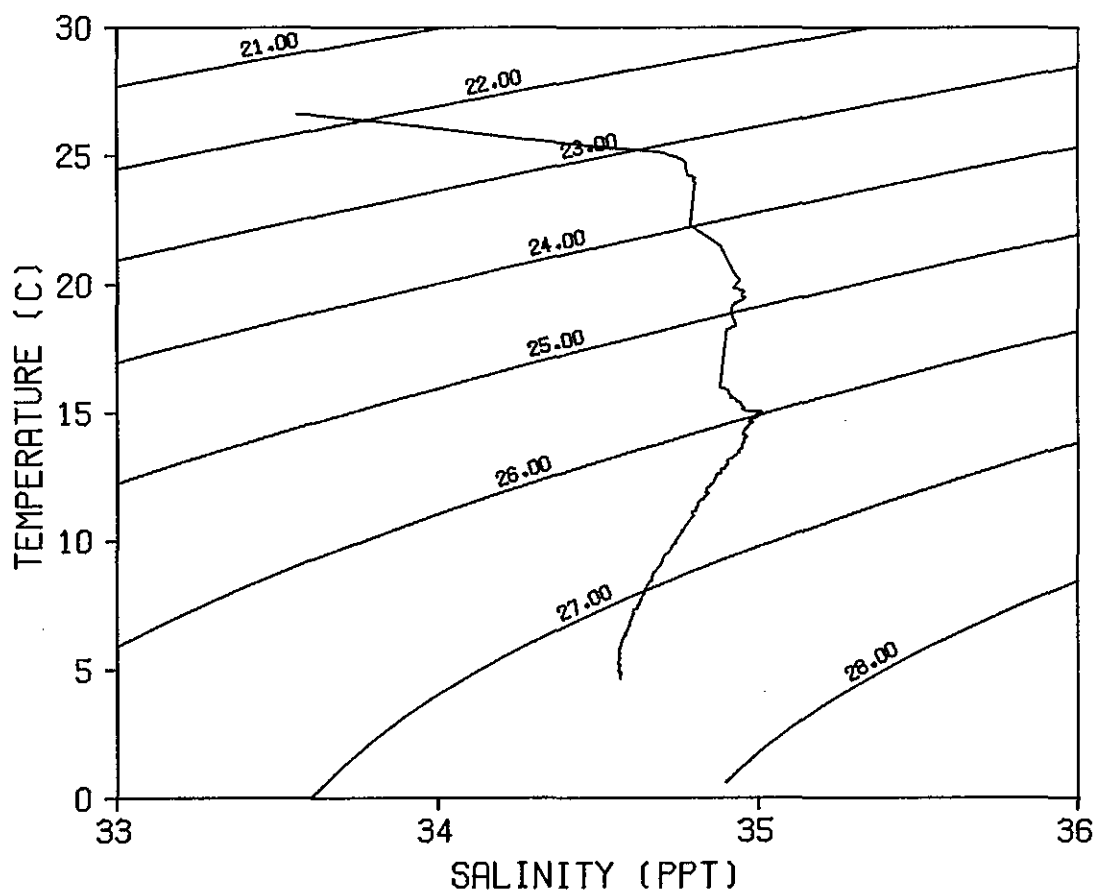
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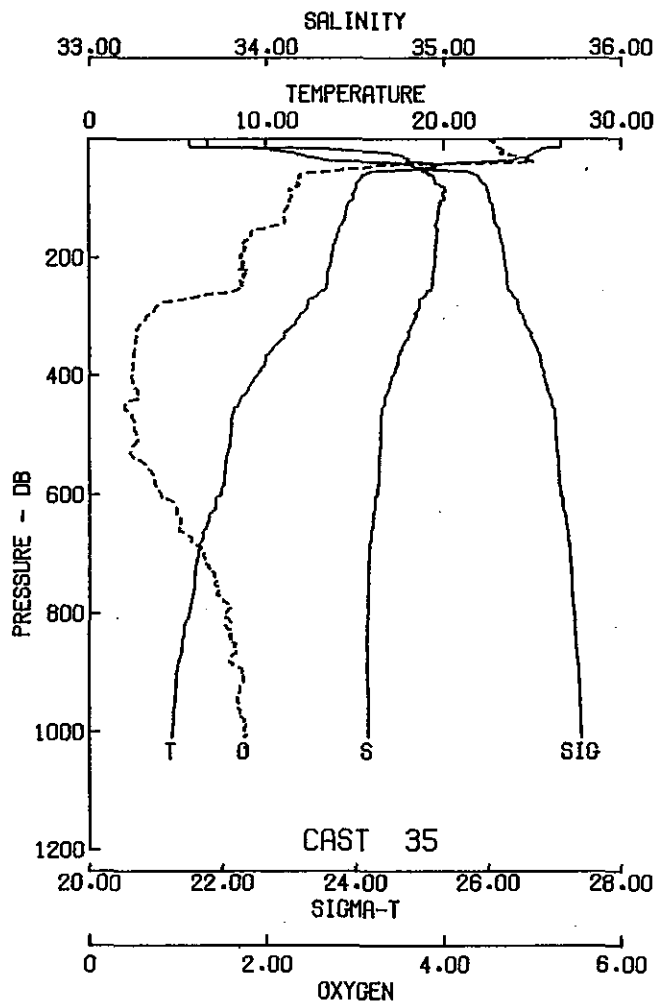


CAST EP3-81-DC-034 DATE 08 JUN 81 TIME 1158 GMT
 LAT 6 30.0S LONG 110 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 140 T SPD 15 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 24.8 WET 21.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.451	35.130	4.29	23.008	0.000
4.	26.455	35.129	4.38	23.006	
10.	26.460	35.128	4.46	23.004	.049
20.	26.460	35.129	4.51	23.005	.097
30.	26.461	35.130	4.53	23.005	.146
40.	26.462	35.133	4.55	23.007	.195
50.	26.465	35.137	4.44	23.009	.244
60.	26.451	35.149	4.39	23.023	.293
70.	23.647	35.697	4.53	24.291	.337
80.	21.358	35.574	4.30	24.849	.372
90.	19.846	35.512	3.84	25.209	.402
100.	18.490	35.371	3.70	25.450	.429
110.	17.034	35.211	3.67	25.685	.453
120.	15.182	35.125	3.43	25.814	.476
130.	13.064	35.051	3.11	26.014	.498
140.	14.101	34.978	2.15	26.166	.517
150.	13.486	34.931	.81	26.258	.534
160.	13.159	34.906	.69	26.305	.554
170.	12.717	34.892	.59	26.383	.571
180.	12.284	34.876	.63	26.456	.588
190.	11.909	34.859	.75	26.515	.604
200.	11.765	34.853	.83	26.537	.619
250.	10.894	34.801	.83	26.538	.659
300.	10.298	34.765	.70	26.536	.704
350.	9.799	34.734	.50	26.548	.833
400.	9.291	34.706	.50	26.560	.898
450.	8.568	34.664	.50	26.943	.960
500.	8.071	34.639	.51	27.000	1.019
550.	7.429	34.606	.62	27.068	1.075
600.	6.865	34.582	.74	27.128	1.128
650.	6.488	34.569	1.03	27.170	1.179
700.	6.130	34.558	1.24	27.208	1.228
750.	5.822	34.550	1.45	27.241	1.274
800.	5.501	34.545	1.69	27.277	1.322
850.	5.244	34.544	1.79	27.307	1.366
900.	5.018	34.543	1.88	27.333	1.410
950.	4.754	34.545	1.96	27.365	1.452
1000.	4.584	34.547	2.02	27.385	1.492
1002.	4.574	34.547	2.02	27.386	

CAST EP3-81-0C-035 DATE 11 JUN 81 TIME 1350 GMT
LAT 01 02.2N LONG 094 55.7W

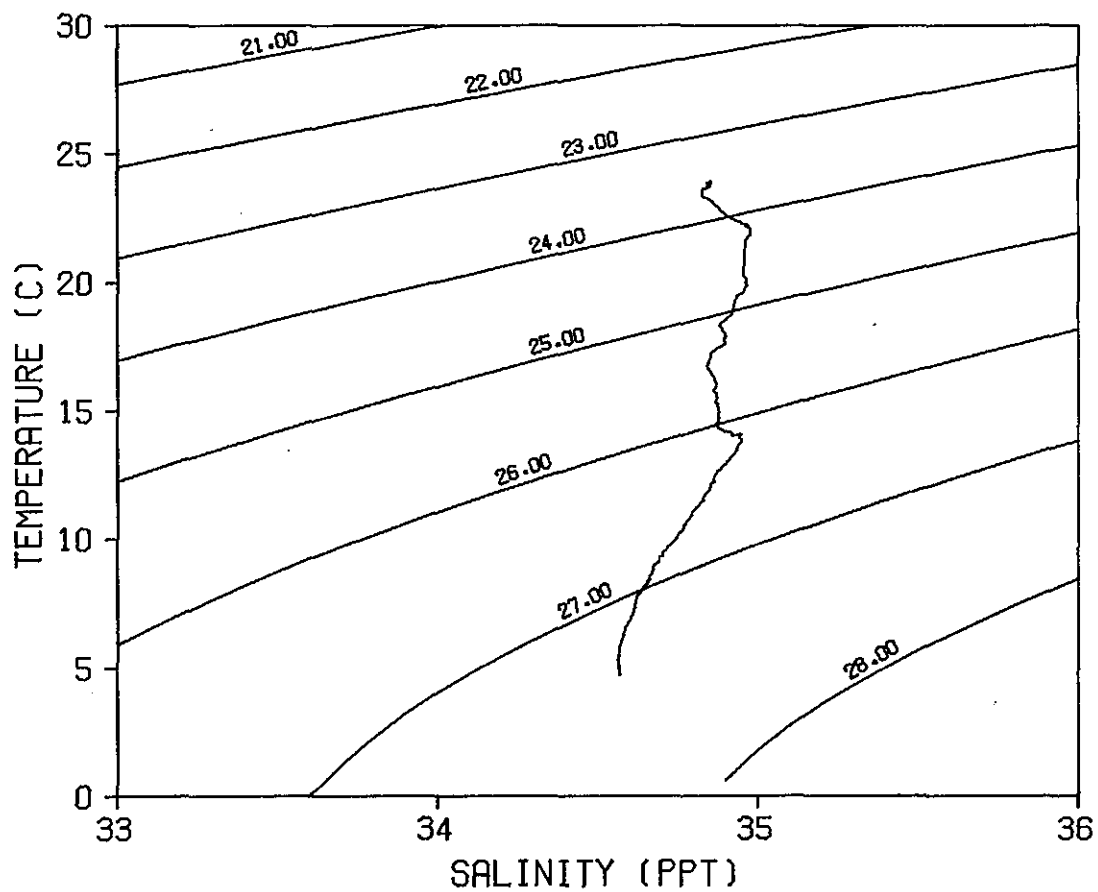




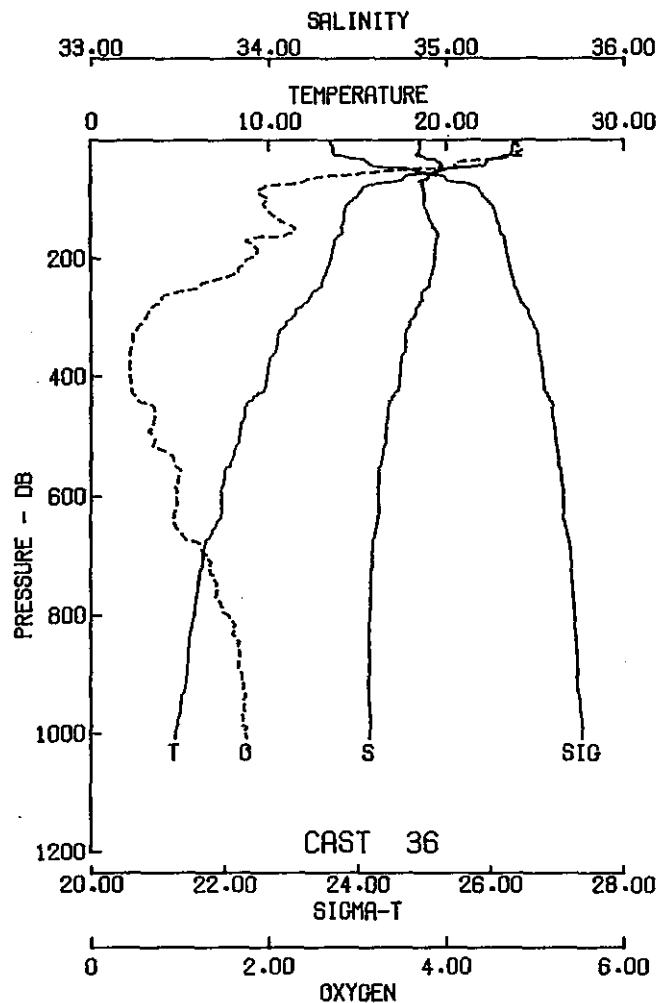
CAST EP3-81-OC-035 DATE 11 JUN 81 TIME 1350 GMT
 LAT 01 02.2N LONG 094 55.7W WEATHER 1 SEA STATE 4
 BAROMETER 15 WIND DIR 160 T SPD 12 KT VISIBILITY 7
 CLOUD 6 AMOUNT 4 DRY 23.4 WET 21.6 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.612	35.564	4.51	21.780	0.000
2.	26.617	35.565	4.51	21.779	
10.	26.620	35.568	4.59	21.780	.060
20.	25.402	34.470	4.69	22.838	.117
30.	24.714	34.773	4.86	23.275	.164
40.	21.515	34.881	4.91	24.280	.208
50.	18.966	34.916	3.07	24.983	.240
60.	15.604	34.911	3.38	25.786	.265
70.	15.288	34.948	3.34	25.685	.287
80.	15.055	34.992	3.35	25.971	.308
90.	14.962	35.003	3.26	26.000	.328
100.	14.883	35.003	3.28	26.017	.349
110.	14.821	34.982	3.23	26.058	.369
120.	14.750	34.971	3.22	26.073	.389
130.	14.676	34.966	3.20	26.087	.408
140.	14.600	34.959	3.20	26.102	.428
150.	14.523	34.960	3.00	26.155	.447
160.	14.446	34.958	3.82	26.170	.467
170.	13.914	34.958	3.80	26.190	.485
180.	13.765	34.952	3.71	26.216	.504
190.	13.714	34.950	3.75	26.225	.523
200.	13.654	34.950	3.70	26.238	.541
250.	13.364	34.933	3.70	26.284	.632
300.	11.833	34.842	3.64	26.316	.717
350.	10.469	34.767	3.51	26.707	.793
400.	9.498	34.717	3.49	26.835	.861
450.	8.436	34.665	3.40	26.965	.923
500.	7.980	34.644	3.54	27.017	.980
550.	7.682	34.635	3.64	27.054	1.037
600.	7.394	34.624	3.81	27.087	1.091
650.	6.627	34.596	3.03	27.172	1.143
700.	6.026	34.577	3.29	27.223	1.192
750.	5.889	34.571	3.41	27.249	1.239
800.	5.595	34.569	3.53	27.284	1.284
850.	5.245	34.564	3.64	27.323	1.328
900.	4.936	34.565	3.72	27.360	1.371
950.	4.824	34.572	3.68	27.378	1.412
1000.	4.670	34.569	3.77	27.393	1.452
1008.	4.648	34.570	3.75	27.396	

CAST EP3-81-0C-036 DATE 11 JUN 81 TIME 1746 GMT
LAT 00 30.0N LONG 095 00.0W



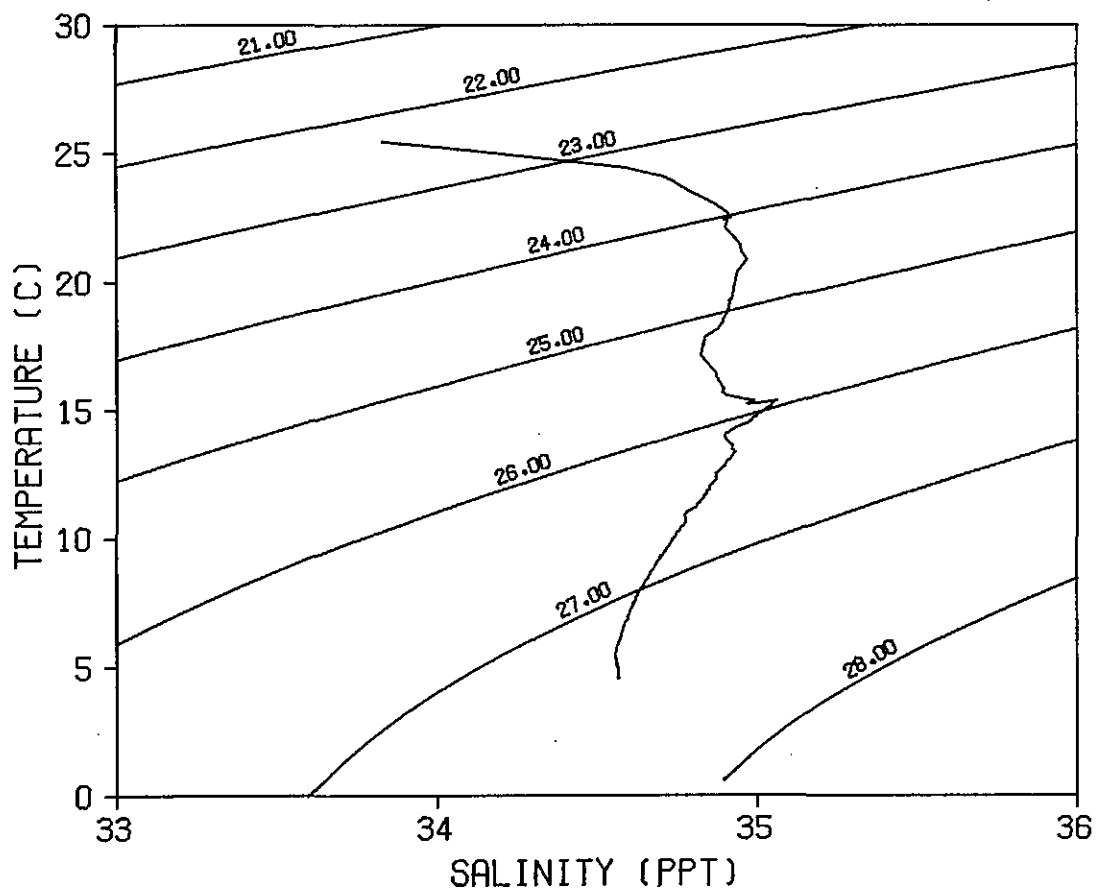
483



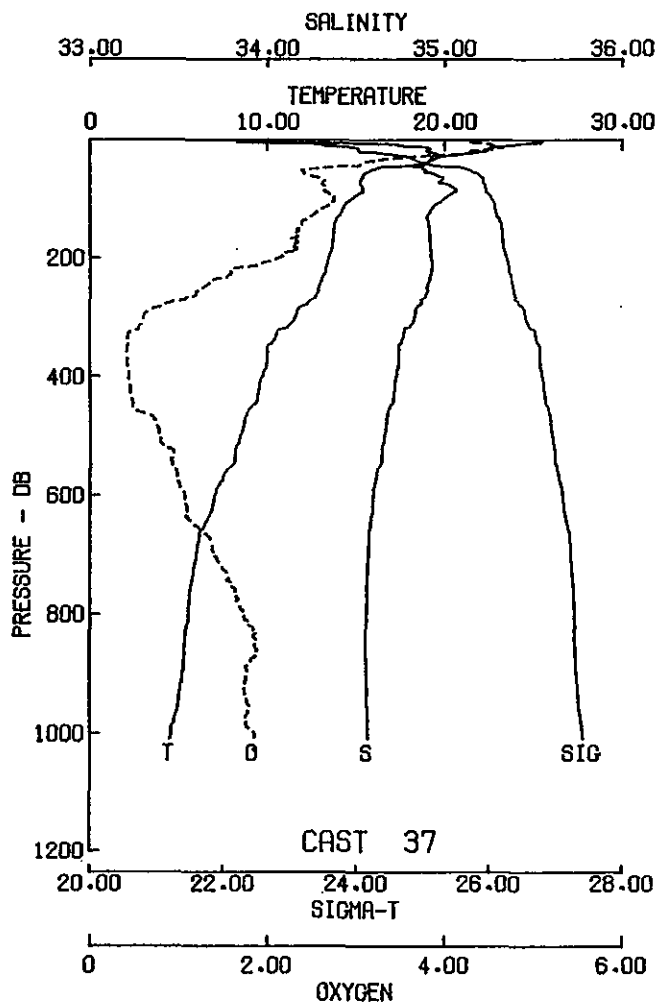
CAST EP3-81-0C-036 DATE 11 JUN 81 TIME 1746 GMT
 LAT 00 30.0N LONG 095 00.0W WEATHER 1 SEA STATE 3
 BARMETER 15 WIND DIR 150 T SPD 11 KT VISIBILITY 7
 CLOUD 7 AMOUNT 3 DRY 24.4 WET 20.1 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	23.855	34.858	4.81	23.595	0.000
2.	23.838	34.853	4.84	23.596	
10.	23.754	34.851	4.82	23.620	.043
20.	23.711	34.839	4.81	23.623	.086
30.	23.693	34.874	4.67	23.873	.128
40.	23.193	34.971	4.11	24.159	.167
50.	19.871	34.966	3.53	24.787	.202
60.	17.745	34.893	2.67	25.270	.232
70.	17.055	34.852	2.39	25.405	.259
80.	15.347	34.866	1.94	25.809	.282
90.	15.095	34.877	1.90	25.874	.304
100.	14.760	34.874	1.99	25.945	.326
110.	14.388	34.873	1.94	26.024	.346
120.	14.255	34.887	1.99	26.063	.366
130.	14.194	34.898	2.07	26.085	.386
140.	14.152	34.915	2.18	26.106	.406
150.	14.056	34.933	2.28	26.141	.425
160.	14.037	34.949	2.19	26.157	.444
170.	13.723	34.946	1.75	26.220	.463
180.	13.647	34.939	1.84	26.231	.482
190.	13.578	34.938	1.87	26.244	.500
200.	13.471	34.935	1.79	26.264	.518
250.	13.838	34.891	1.22	26.359	.607
300.	11.360	34.817	.62	26.586	.689
350.	10.413	34.765	.46	26.716	.761
400.	9.868	34.737	.43	26.788	.830
450.	8.675	34.672	.70	26.932	.895
500.	8.329	34.656	.70	26.974	.956
550.	8.840	34.631	.96	27.028	1.013
600.	7.308	34.615	.96	27.092	1.068
650.	7.028	34.607	.99	27.126	1.122
700.	6.289	34.581	1.32	27.205	1.172
750.	6.013	34.573	1.41	27.235	1.220
800.	5.779	34.566	1.54	27.259	1.266
850.	5.490	34.564	1.66	27.293	1.312
900.	5.361	34.563	1.69	27.308	1.356
950.	5.033	34.565	1.72	27.348	1.400
1000.	4.737	34.569	1.74	27.385	1.441
1008.	4.722	34.568	1.75	27.386	

CAST EP3-81-0C-037 DATE 13 JUN 81 TIME 1901 GMT
LAT 0 04.3S LONG 094 55.6W



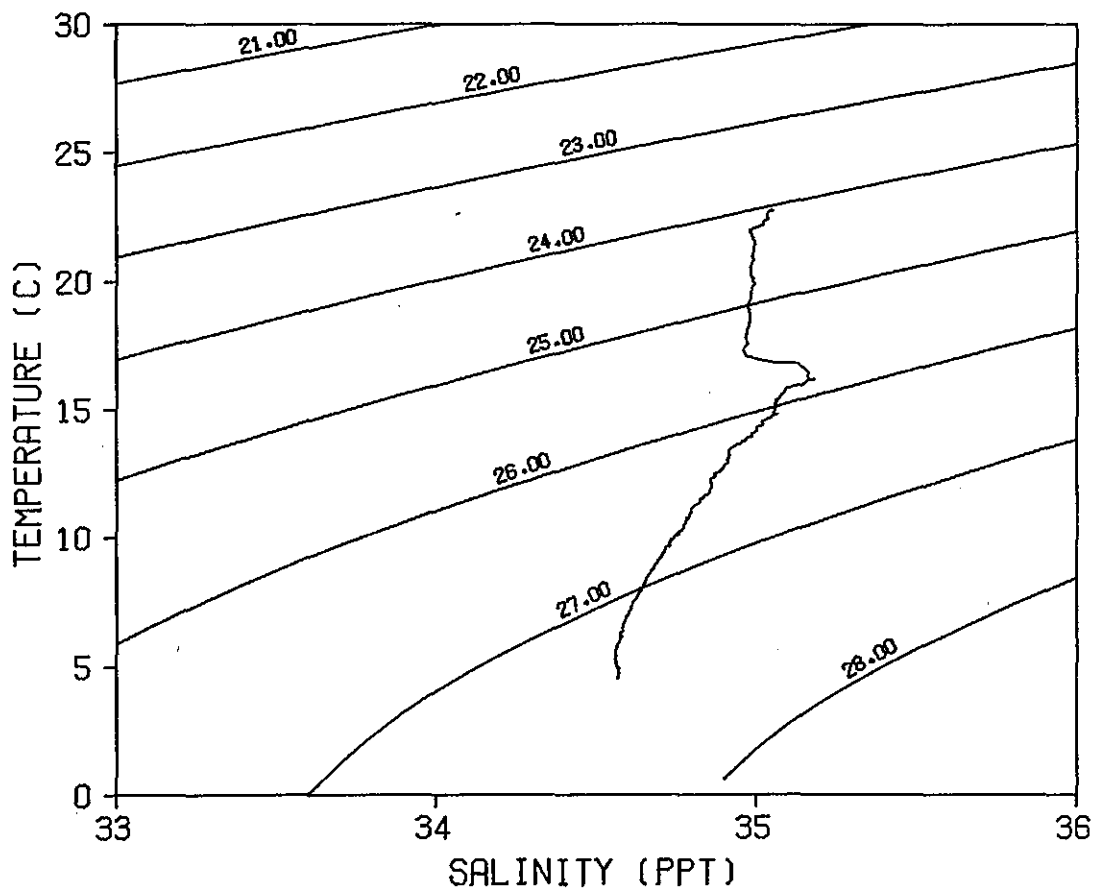
485



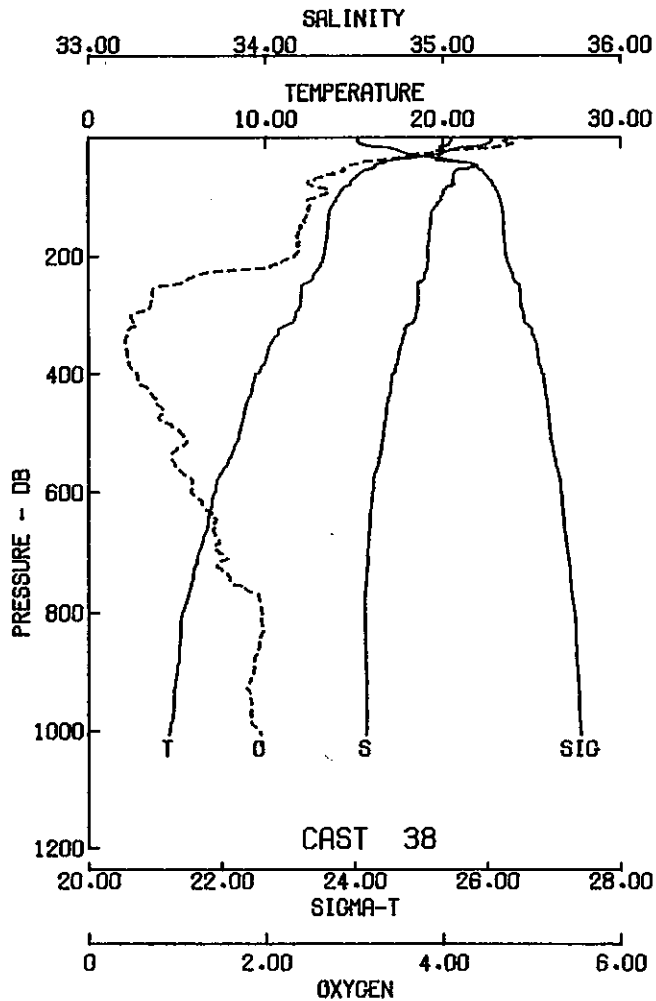
CAST EP3-81-DC-037 DATE 13 JUN 81 TIME 1901 GMT
 LAT 0 04.35 LONG 094 55.6W WEATHER 2 SEA STATE 3
 BAROMETER 13 WIND DIR 170 T SPD 10 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 23.8 WET 21.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.861	32.923	4.14	21.220	0.000
10.	25.473	33.833	4.37	21.335	
100.	23.752	34.459	4.57	21.550	.052
200.	22.096	34.903	4.28	21.135	.092
300.	19.606	34.927	3.52	21.826	.126
400.	18.740	34.905	3.07	21.032	.156
500.	16.052	34.885	2.43	21.664	.183
600.	15.420	34.956	2.47	21.862	.205
700.	15.272	34.977	2.63	21.911	.226
800.	15.348	35.045	2.66	21.947	.247
900.	15.187	35.045	2.59	21.982	.268
1000.	14.333	35.044	2.75	22.042	.289
1100.	14.333	34.945	2.70	22.083	.308
1200.	14.208	34.921	2.58	22.099	.328
1300.	13.997	34.898	2.48	22.126	.347
1400.	13.799	34.907	2.38	22.175	.367
1500.	13.736	34.912	2.34	22.191	.385
1600.	13.720	34.913	2.33	22.196	.404
1700.	13.691	34.916	2.32	22.204	.423
1800.	13.659	34.918	2.31	22.212	.441
1900.	13.567	34.921	2.23	22.234	.460
2000.	13.437	34.923	2.12	22.262	.478
2500.	12.864	34.898	1.27	22.359	.568
3000.	11.594	34.834	.61	22.555	.650
3500.	10.041	34.744	.42	22.764	.723
4000.	9.725	34.727	.44	22.805	.791
4500.	9.125	34.694	.48	22.878	.857
5000.	8.481	34.662	.70	22.955	.919
5500.	7.987	34.634	.93	23.008	.978
6000.	7.059	34.601	1.08	23.117	1.032
6500.	6.488	34.583	1.18	23.181	1.084
7000.	6.019	34.571	1.39	23.233	1.131
7500.	5.718	34.562	1.58	23.263	1.178
8000.	5.554	34.560	1.74	23.282	1.223
8500.	5.381	34.557	1.87	23.300	1.268
9000.	5.228	34.560	1.76	23.321	1.311
9500.	5.010	34.562	1.78	23.346	1.354
10000.	4.571	34.567	1.86	23.402	1.395
1008.	4.512	34.568	1.84	23.409	

CAST EP3-81-0C-038 DATE 14 JUN 81 TIME 0410 GMT
LAT 0 30.0S LONG 095 00.0W



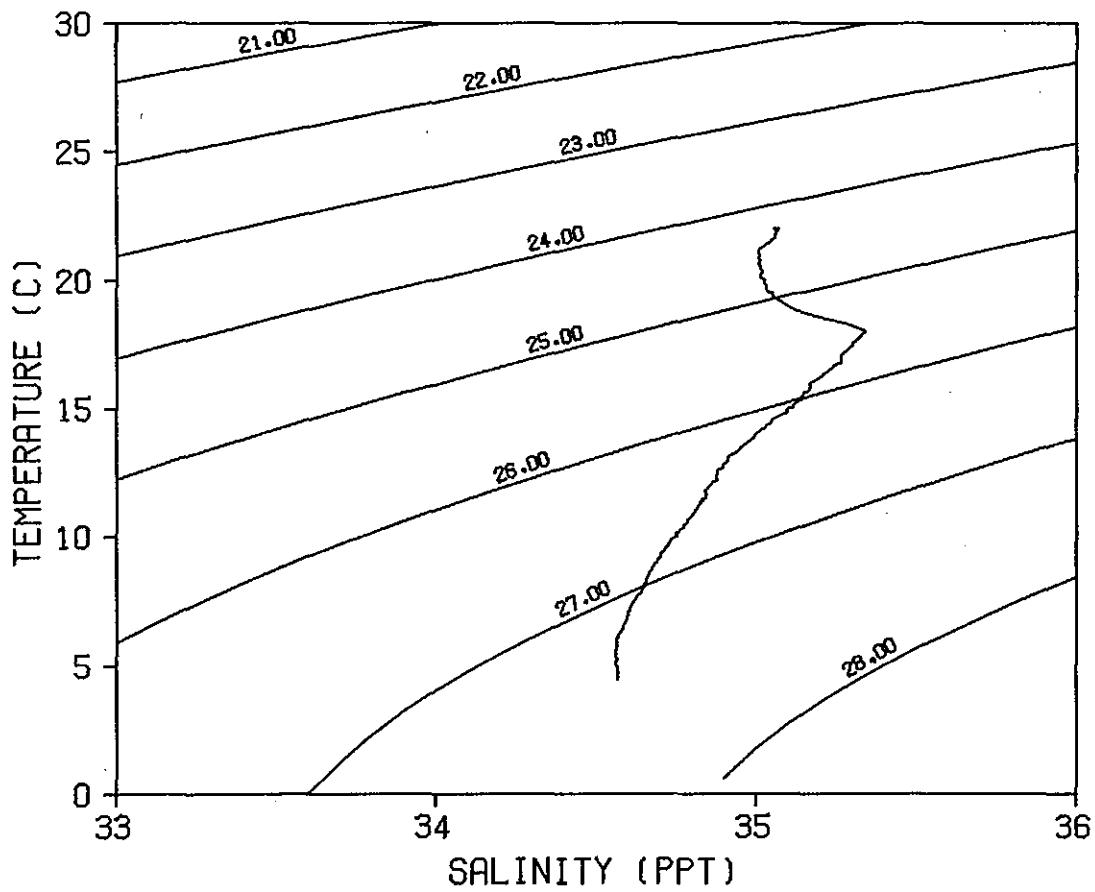
487



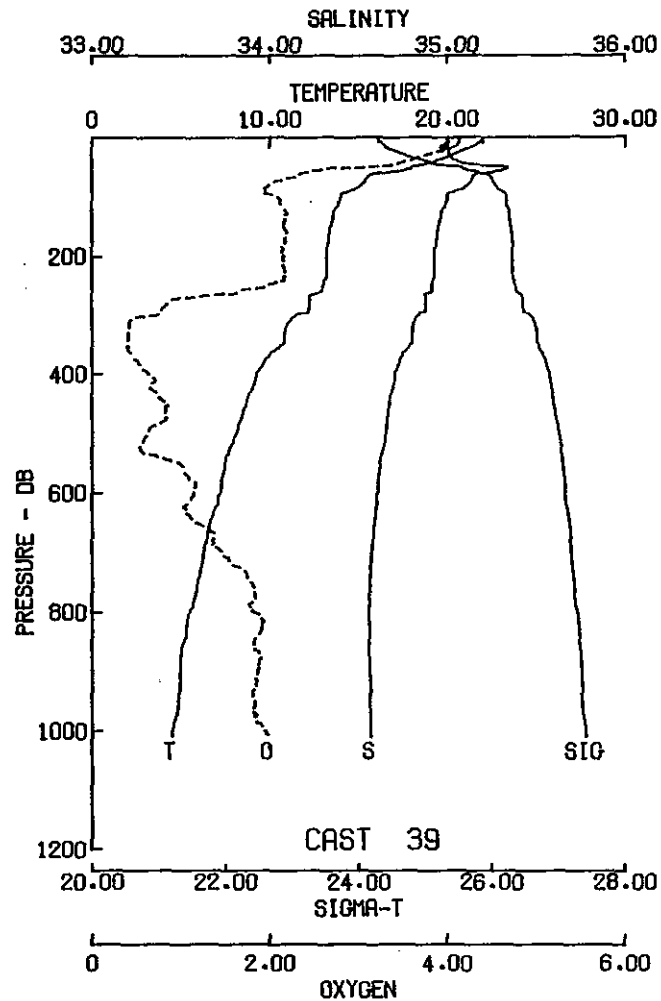
CAST EP3-81-OC-038 DATE 14 JUN 81 TIME 0410 GMT
 LAT 0 30.05 LONG 095 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 170 T SPD 05 KT VISIBILITY 8
 CLOUD 7 AMOUNT 2 DRY 22.0 WET 21.4 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.743	35.050	4.91	24.063	0.000
1.	22.734	35.050	5.00	24.066	
10.	22.584	35.037	4.76	24.098	.039
20.	20.504	34.981	4.17	24.631	.075
30.	19.270	34.984	3.75	24.957	.107
40.	16.502	35.015	3.16	25.566	.134
50.	16.186	35.018	3.02	25.860	.157
60.	15.362	35.063	2.78	25.957	.178
70.	14.993	35.059	2.56	26.038	.198
80.	14.760	35.057	2.51	26.085	.218
90.	14.242	35.003	2.71	26.155	.237
100.	14.065	34.991	2.60	26.183	.256
110.	13.837	34.967	2.49	26.213	.274
120.	13.671	34.952	2.47	26.236	.293
130.	13.550	34.933	2.47	26.244	.311
140.	13.500	34.933	2.43	26.247	.329
150.	13.514	34.930	2.39	26.251	.347
160.	13.478	34.924	2.36	26.254	.365
170.	13.452	34.922	2.36	26.258	.384
180.	13.372	34.916	2.37	26.270	.402
190.	13.335	34.914	2.36	26.276	.420
200.	13.283	34.914	2.22	26.286	.438
250.	12.035	34.855	2.86	26.489	.524
300.	11.681	34.847	2.48	26.549	.604
350.	10.272	34.766	2.41	26.741	.678
400.	9.463	34.713	2.54	26.837	.746
450.	8.930	34.685	2.78	26.902	.810
500.	8.515	34.663	1.05	26.950	.871
550.	7.876	34.637	0.97	27.027	.930
600.	7.132	34.603	1.16	27.108	.985
650.	6.736	34.587	1.42	27.151	1.037
700.	6.922	34.573	1.47	27.151	1.086
750.	6.821	34.564	1.11	27.208	1.134
800.	6.302	34.557	1.11	27.252	1.179
850.	5.149	34.557	1.11	27.310	1.221
900.	4.981	34.566	1.11	27.331	1.264
950.	4.805	34.568	1.11	27.377	1.305
1000.	4.582	34.568	1.11	27.402	1.345
1006.	4.534	34.567	1.94	27.406	

CAST EP3-81-0C-039 DATE 14 JUN 81 , TIME 1423 GMT
LAT 1 00.0S LONG 095 00.0W



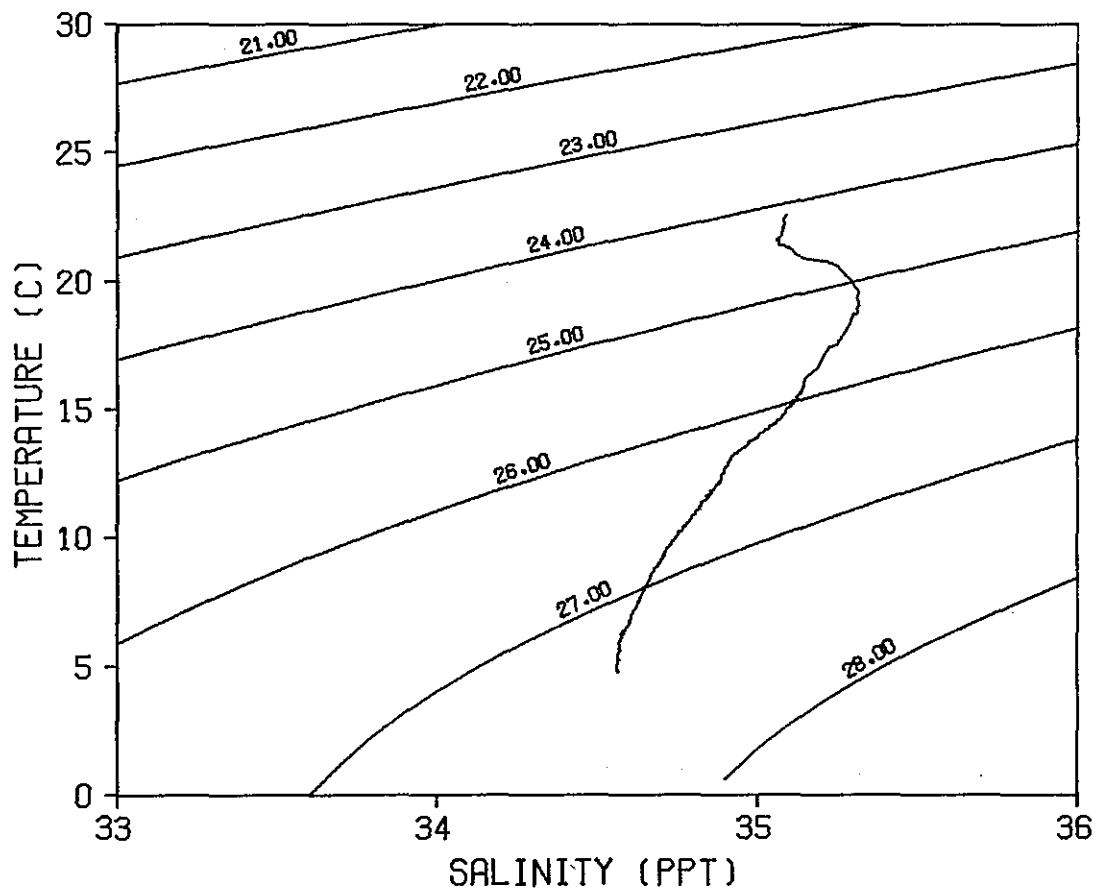
CAST EP3-81-0C-039 DATE 14 JUN 81 TIME 1423 GMT
 LAT 1 00.05 LONG 095 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 170 T SPD 06 KT VISIBILITY 8
 CLOUD 6 AMOUNT 2 DRY 22.9 WET 21.4 DEPTH M



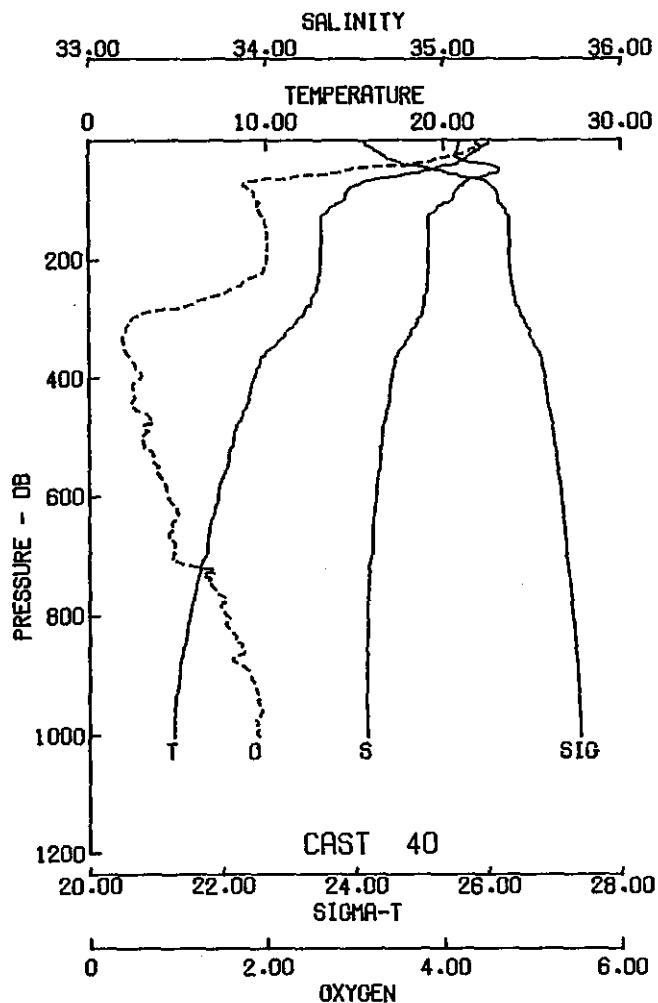
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.991	35.057	4.03	24.282	0.000
1.	22.019	35.057	4.05	24.273	
10.	21.766	35.059	3.97	24.346	.036
20.	21.060	35.006	3.98	24.499	.072
30.	20.263	35.016	3.79	24.722	.105
40.	19.324	35.059	3.52	25.000	.136
50.	18.315	35.340	3.13	25.545	.164
60.	17.219	35.198	2.35	25.866	.188
70.	16.356	35.139	2.22	26.008	.208
80.	15.145	35.116	1.98	26.046	.228
90.	14.458	35.047	1.92	26.143	.248
100.	13.962	34.999	2.08	26.212	.267
110.	13.893	34.996	2.11	26.224	.285
120.	13.698	34.977	2.17	26.250	.303
130.	13.573	34.965	2.17	26.266	.321
140.	13.511	34.958	2.17	26.274	.339
150.	13.441	34.948	2.18	26.286	.357
160.	13.333	34.944	2.19	26.299	.375
170.	13.297	34.940	2.16	26.304	.393
180.	13.248	34.934	2.14	26.309	.410
190.	13.218	34.929	2.15	26.311	.428
200.	13.202	34.927	2.16	26.313	.446
250.	12.981	34.913	1.95	26.347	.534
300.	11.496	34.842	1.73	26.579	.618
350.	8.533	34.786	.40	26.690	.691
400.	8.259	34.704	.66	26.863	.758
450.	8.689	34.675	.86	26.933	.821
500.	8.085	34.651	.61	27.007	.880
550.	7.494	34.621	.99	27.070	.935
600.	7.219	34.607	1.15	27.099	.989
650.	6.633	34.589	1.18	27.166	1.041
700.	6.294	34.575	1.47	27.200	1.091
750.	5.908	34.563	1.80	27.240	1.139
800.	5.491	34.557	1.83	27.287	1.185
850.	5.197	34.563	1.83	27.328	1.229
900.	4.956	34.565	1.87	27.357	1.270
950.	4.870	34.567	1.84	27.369	1.312
1000.	4.495	34.568	1.94	27.411	1.352
1009.	4.460	34.567	1.99	27.414	

687

CAST EP3-81-0C-040 DATE 15 JUN 81 TIME 0105 GMT
LAT 1 29.7S LONG 094 59.1W



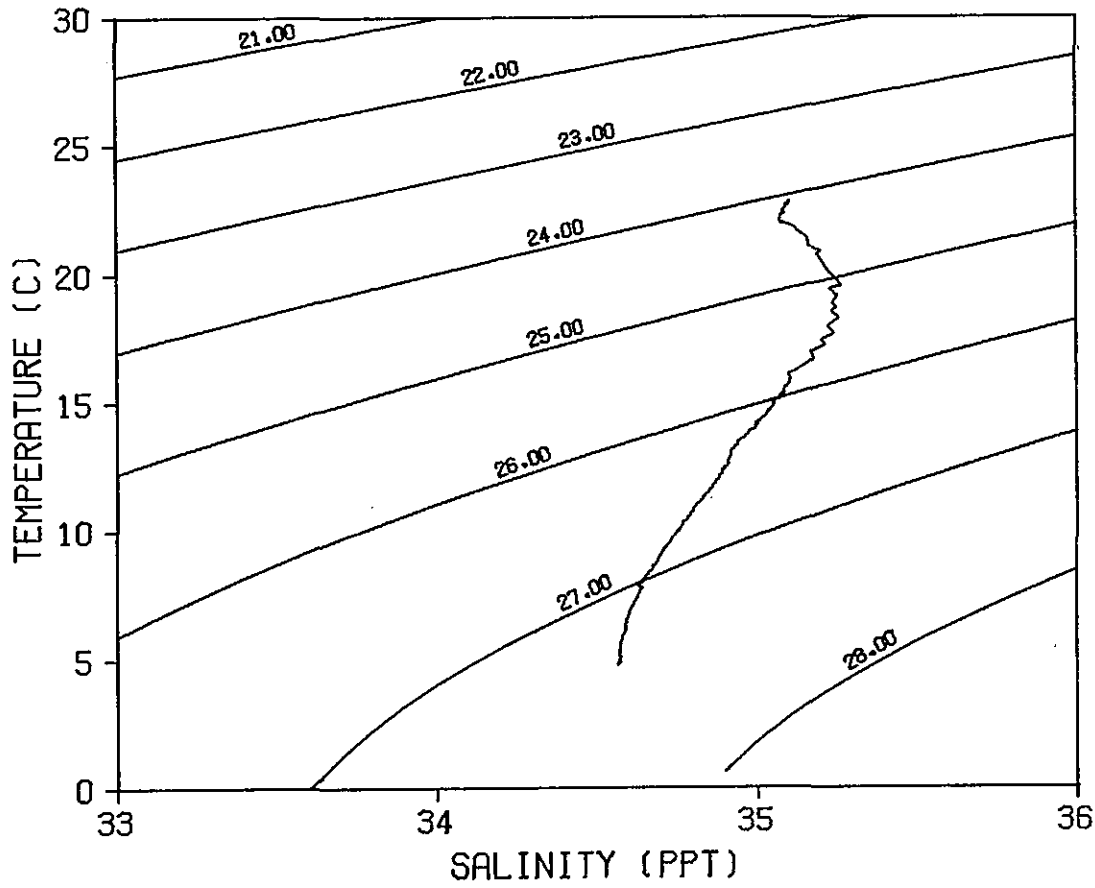
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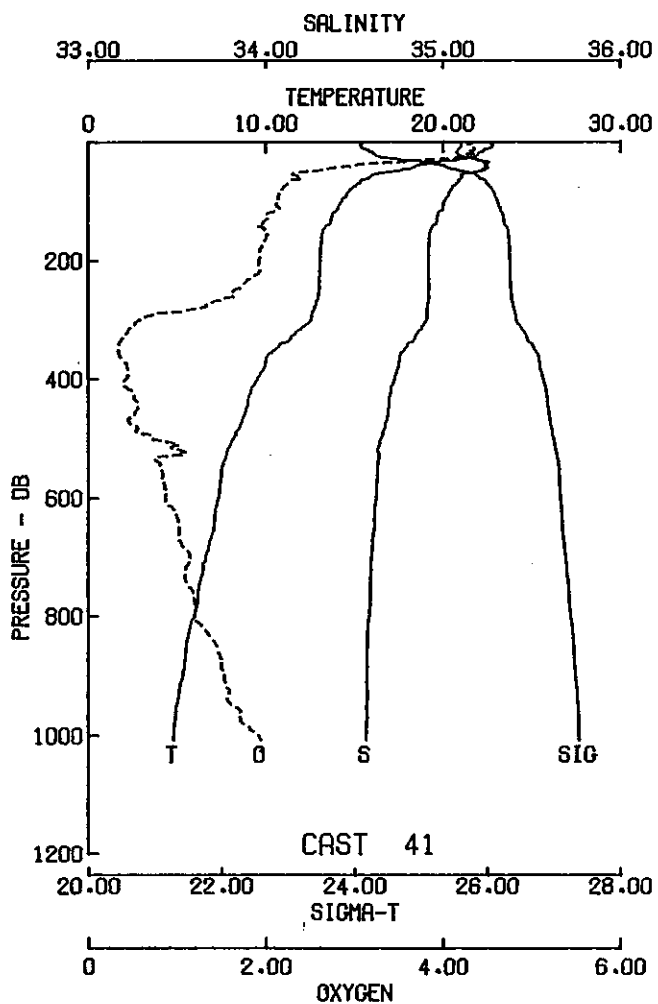


CAST EP3-81-DC-040 DATE 15 JUN 81 TIME 0105 GMT
 LAT 1 29.75 LONG 094 59.1W WEATHER 0 SEA STATE 3
 BARMETER 12 WIND DIR 120 T SPD 12 KT VISIBILITY 8
 CLOUD 7 AMOUNT 1 DRY 22.5 WET 21.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.595	35.091	4.36	24.137	0.000
2.	22.560	35.089	4.337	24.145	
10.	22.272	35.084	4.337	24.223	.038
20.	21.755	35.073	4.255	24.359	.074
30.	21.340	35.089	4.000	24.486	.109
40.	20.793	35.218	3.59	24.733	.143
50.	19.348	35.313	2.93	25.187	.173
60.	17.523	35.525	2.36	25.598	.198
70.	15.449	35.121	1.78	25.932	.220
80.	14.772	35.083	1.81	26.103	.240
90.	14.487	35.059	1.86	26.146	.260
100.	14.403	35.050	1.90	26.157	.279
110.	13.836	34.990	1.90	26.231	.297
120.	13.472	34.956	1.93	26.280	.315
130.	13.126	34.918	1.98	26.322	.333
140.	13.111	34.917	1.99	26.344	.350
150.	13.109	34.917	2.00	26.354	.366
160.	13.108	34.917	2.01	26.353	.383
170.	13.099	34.917	2.02	26.352	.400
180.	13.094	34.917	2.02	26.352	.420
190.	13.087	34.917	2.01	26.352	.438
200.	13.077	34.917	2.01	26.352	.455
250.	12.816	34.907	1.59	26.376	.543
300.	11.794	34.851	.47	26.531	.626
350.	10.262	34.764	.40	26.741	.701
400.	9.313	34.709	.57	26.859	.767
450.	8.875	34.688	.51	26.913	.830
500.	8.182	34.655	.61	26.996	.889
550.	7.768	34.639	.78	27.044	.946
600.	7.260	34.620	.89	27.104	1.000
650.	6.822	34.602	.94	27.150	1.053
700.	6.595	34.596	.94	27.176	1.103
750.	6.010	34.573	1.37	27.235	1.152
800.	5.688	34.567	1.55	27.271	1.198
850.	5.350	34.564	1.71	27.310	1.243
900.	5.083	34.563	1.81	27.340	1.286
950.	4.850	34.561	1.92	27.366	1.327
1000.	4.767	34.565	1.90	27.378	1.368
1002.	4.765	34.564	1.88	27.378	

CAST EP3-81-0C-041 DATE 15 JUN 81 TIME 0501 GMT
LAT 2 00.0S LONG 095 00.0W

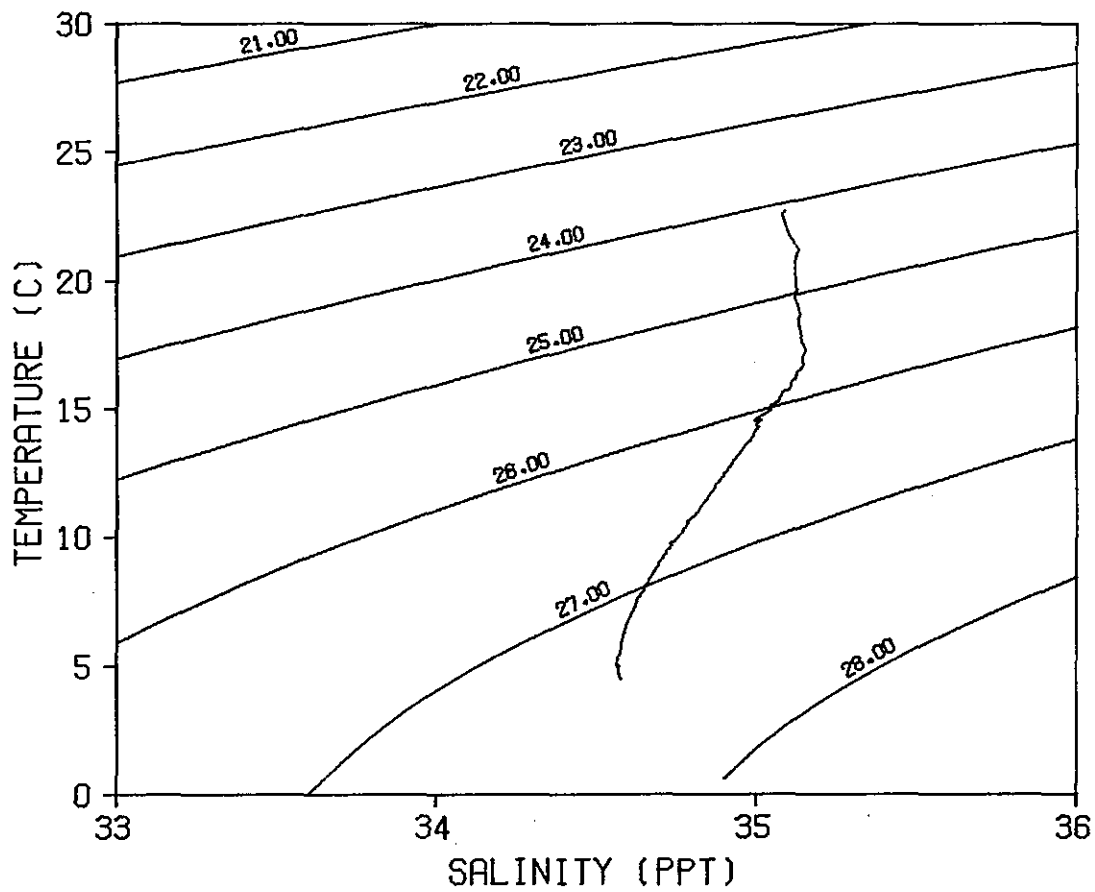




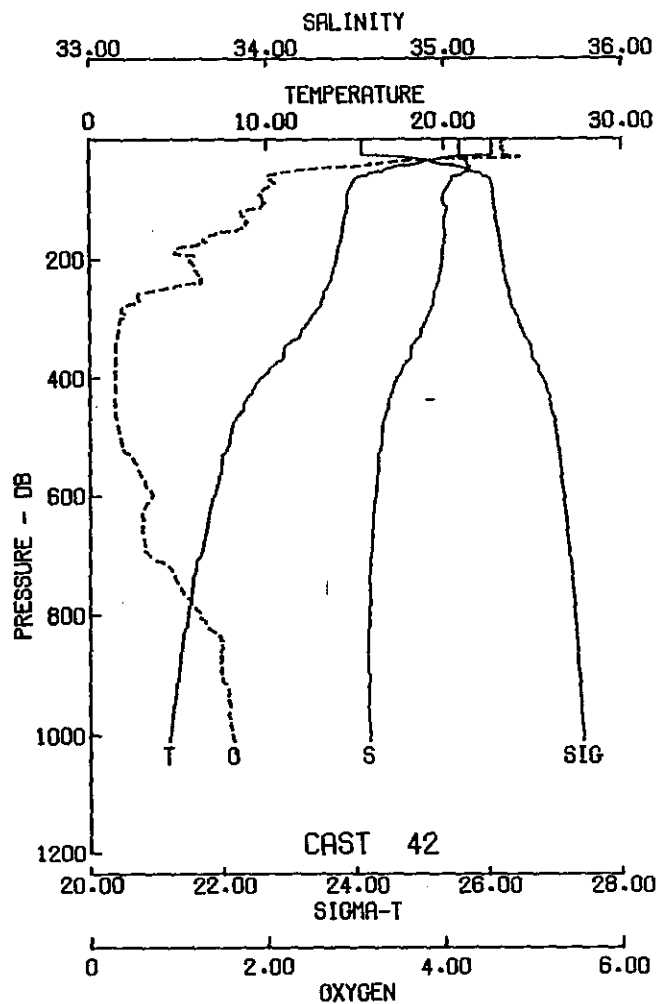
CAST EP3-81-OC-041 DATE 15 JUN 81 TIME 0501 GMT
 LAT 2 00.05 LONG 095 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 100 T SPD 06 KT VISIBILITY 8
 CLOUD 8 AMOUNT 5 DRY 22.7 WET 21.7 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.686	35.100	4.32	24.118	0.000
2.	22.697	35.101	4.333	24.115	
10.	22.678	35.093	4.333	24.114	.038
20.	21.992	35.081	4.333	24.114	.075
30.	20.776	35.189	3.733	24.471	.110
40.	18.541	35.236	2.999	25.334	.139
50.	17.217	35.215	2.48	25.644	.165
60.	15.852	35.106	2.337	25.880	.187
70.	15.157	35.071	2.24	26.009	.208
80.	14.738	35.046	2.17	26.081	.228
90.	14.531	35.033	2.14	26.116	.247
100.	14.254	35.003	2.14	26.132	.266
110.	14.055	35.003	2.14	26.138	.285
120.	13.784	35.074	2.02	26.230	.304
130.	13.646	35.064	2.01	26.250	.322
140.	13.453	35.040	1.92	26.272	.340
150.	13.206	35.028	1.80	26.313	.358
160.	13.125	35.021	1.80	26.324	.375
170.	13.102	35.020	1.97	26.328	.393
180.	13.055	35.017	1.93	26.335	.410
190.	13.049	35.018	1.93	26.337	.428
200.	13.039	35.017	1.92	26.338	.445
250.	12.985	35.020	1.64	26.352	.533
300.	12.942	35.008	.57	26.430	.618
350.	10.569	35.078	.34	26.703	.696
400.	9.529	35.072	.42	26.835	.764
450.	8.899	35.090	.55	26.911	.827
500.	8.159	35.067	.72	26.993	.887
550.	7.455	35.028	.81	27.076	.943
600.	7.305	35.022	.86	27.099	.997
650.	7.061	35.011	1.02	27.124	1.050
700.	6.802	35.094	1.15	27.174	1.102
750.	6.208	35.087	1.13	27.220	1.151
800.	5.981	35.084	1.19	27.248	1.199
850.	5.505	35.070	1.44	27.296	1.244
900.	5.312	35.070	1.53	27.319	1.288
950.	4.946	35.067	1.64	27.350	1.331
1000.	4.785	35.063	1.91	27.375	1.372
1007.	4.783	35.063	1.94	27.375	

CAST EP3-81-0C-042 DATE 17 JUN 81 TIME 0838 GMT
LAT 3 30.0S LONG 085 00.0W



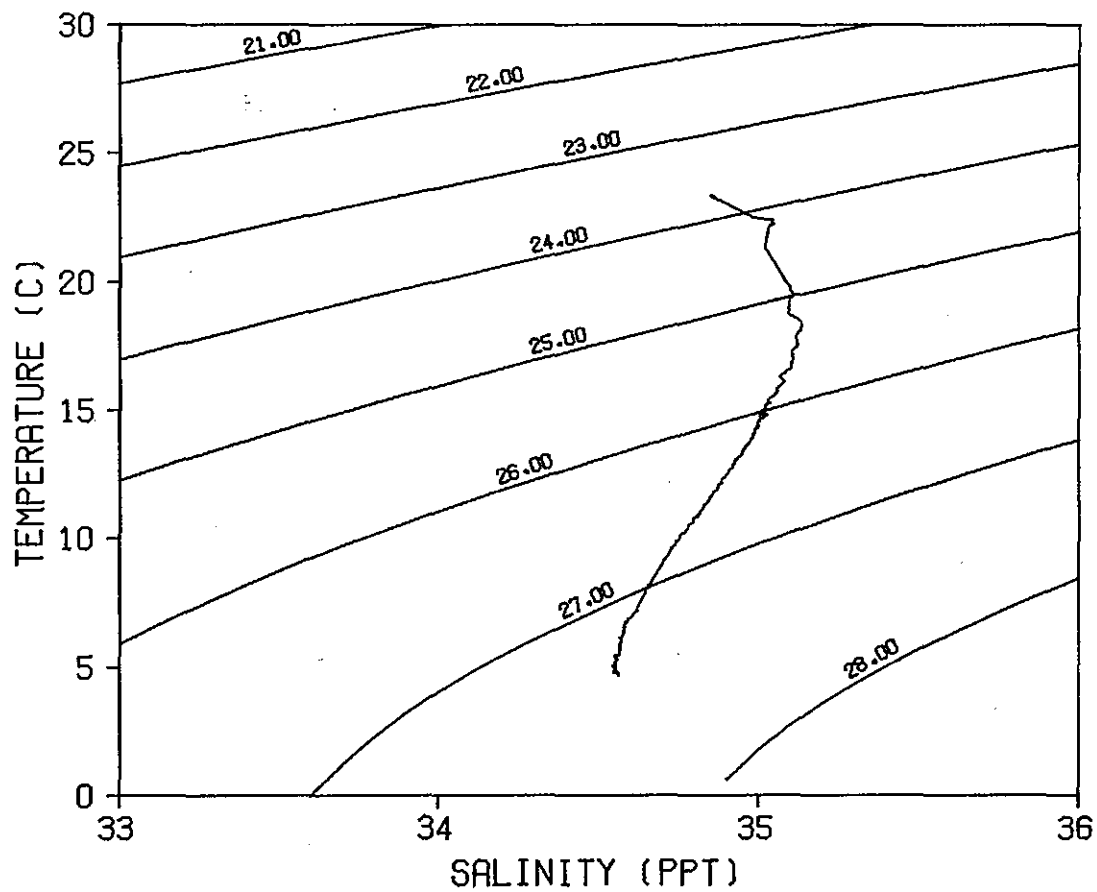
567



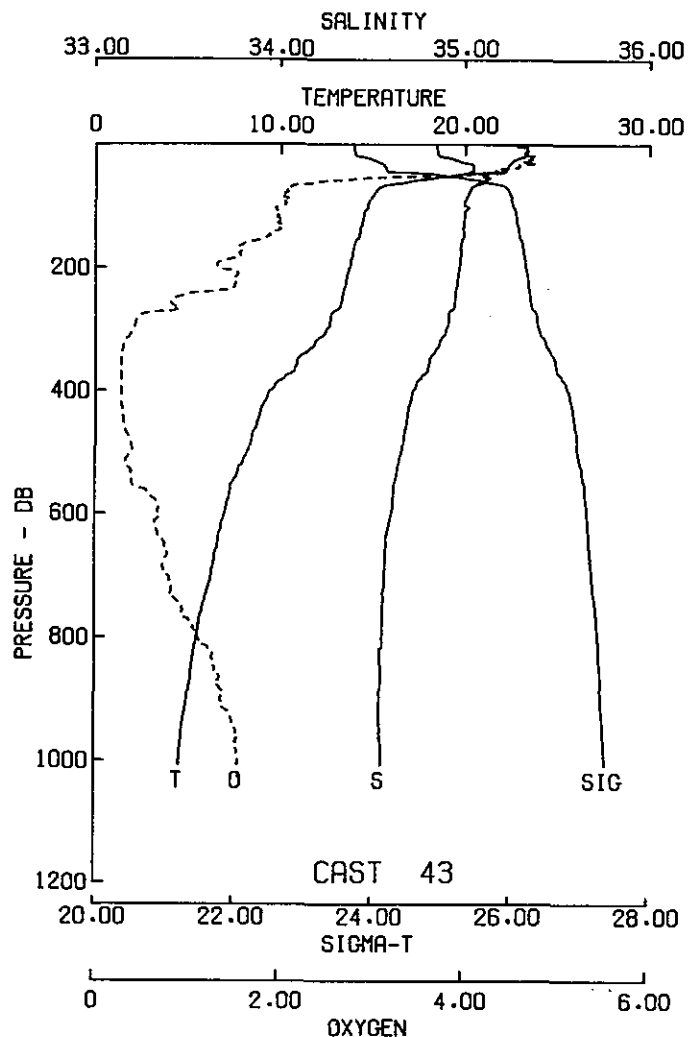
CAST EP3-81-0C-042 DATE 17 JUN 81 TIME 0838 GMT
 LAT 3 30.0S LONG 085 00.0W WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 150 T SPD 16 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 21.2 WET 18.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.712	35.089	4.70	24.102	0.000
2.	22.711	35.090	4.70	24.103	
10.	22.719	35.090	4.68	24.100	.038
20.	22.718	35.087	4.67	24.099	.077
30.	20.839	35.120	4.86	24.646	.114
40.	18.803	35.134	3.27	25.191	.144
50.	16.843	35.145	2.56	25.679	.169
60.	15.741	35.098	2.05	25.899	.192
70.	14.922	35.043	2.05	26.039	.212
80.	14.743	35.022	2.03	26.062	.232
90.	14.601	35.003	1.92	26.078	.252
100.	14.538	34.995	1.96	26.085	.271
110.	14.545	35.002	1.96	26.089	.291
120.	14.516	35.014	1.71	26.105	.310
130.	14.437	35.007	1.74	26.117	.330
140.	14.369	35.002	1.77	26.129	.349
150.	14.280	35.002	1.69	26.146	.369
160.	14.238	35.005	1.40	26.158	.388
170.	14.154	35.000	1.30	26.171	.407
180.	14.085	34.996	1.03	26.183	.426
190.	13.999	34.993	.96	26.199	.445
200.	13.938	34.989	1.16	26.209	.463
250.	13.335	34.952	.85	26.305	.555
300.	12.455	34.898	.36	26.440	.643
350.	11.013	34.817	.30	26.649	.722
400.	9.677	34.737	.29	26.820	.792
450.	8.686	34.684	.29	26.940	.856
500.	7.908	34.648	.34	27.031	.914
550.	7.427	34.626	.54	27.084	.969
600.	6.981	34.610	.70	27.135	1.022
650.	6.618	34.595	.60	27.173	1.073
700.	6.271	34.588	.67	27.213	1.122
750.	5.809	34.580	1.01	27.266	1.168
800.	5.546	34.576	1.25	27.295	1.213
850.	5.201	34.568	1.48	27.331	1.257
900.	4.997	34.565	1.48	27.360	1.299
950.	4.735	34.571	1.57	27.387	1.340
1000.	4.527	34.577	1.61	27.415	1.379
1009.	4.502	34.578	1.63	27.418	

CAST EP3-81-0C-043 DATE 17 JUN 81 TIME 1607 GMT
LAT 2 59.4S LONG 085 01.1W



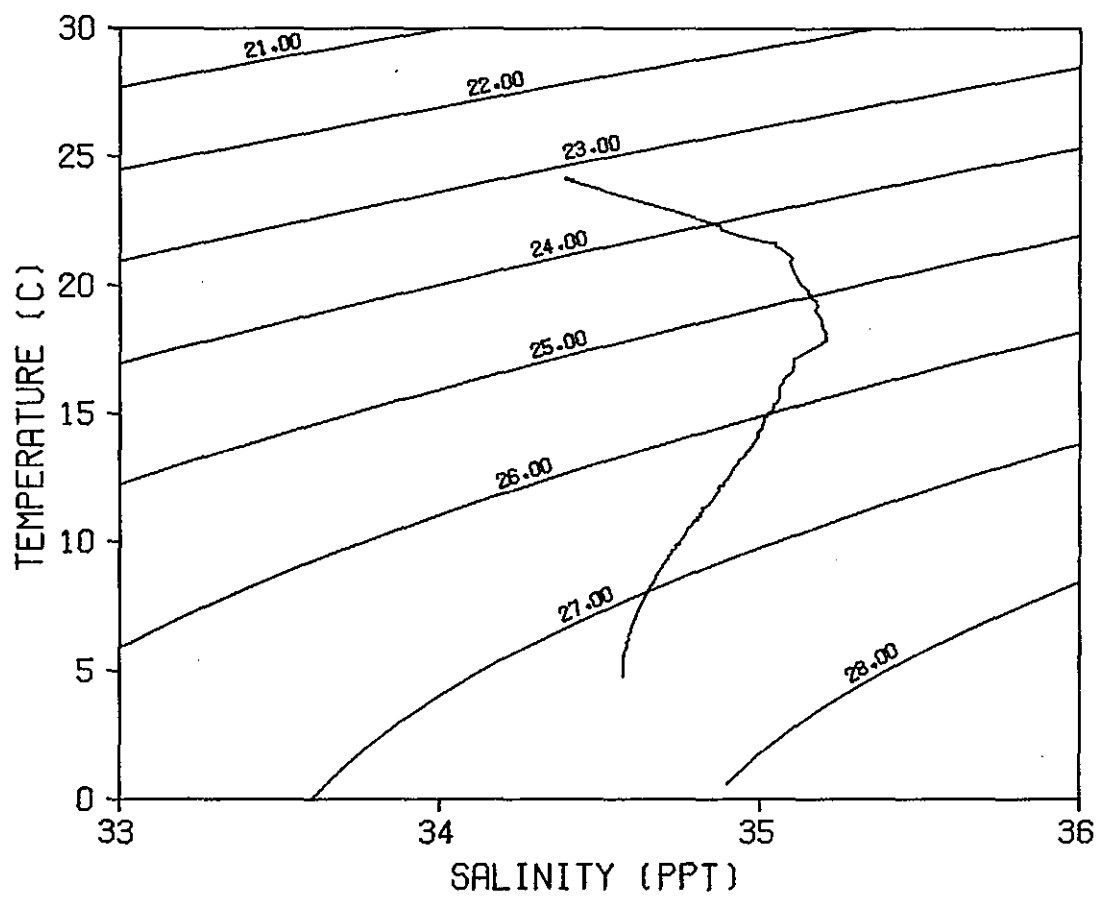
497



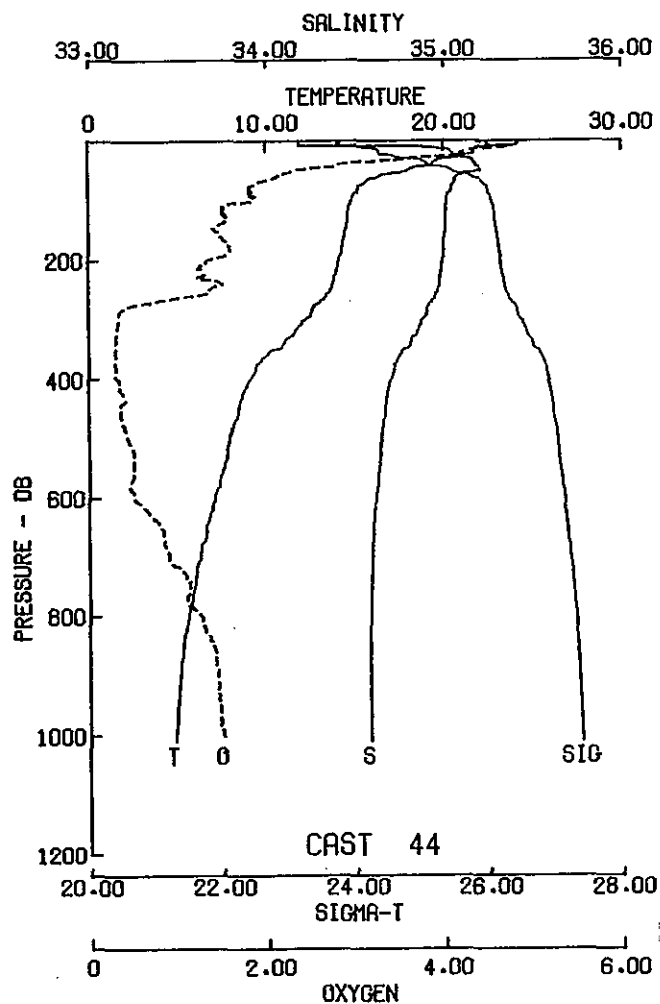
CAST EP7-51-00-043 DATE 17 JUN 81 TIME 1637 GMT
 LAT 259.49 LONG 185 01.1W WFAHFR 2 SEA STATE 4
 BAROMETER 14 WIND DIR 170 T SPD 18 KT VISIBILITY 7
 CLOUD 7 AMOUNT 8 DRY 21.8 WFT 19.6 DEPTH 0

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-SI (DYN-M)
0.	27.358	34.848	4.69	23.733	0.000
10.	27.346	34.852	4.66	23.740	.047
20.	27.251	34.862	4.74	23.775	.083
30.	22.510	34.978	4.69	24.075	.127
40.	22.265	35.047	4.52	24.197	.161
50.	19.798	35.098	4.66	24.907	.197
60.	17.280	35.105	2.67	25.544	.224
70.	15.529	35.045	2.14	25.906	.247
80.	15.126	35.022	2.09	25.978	.268
90.	14.923	35.009	2.09	26.013	.289
100.	14.804	35.004	2.06	26.035	.300
110.	14.614	35.003	1.98	26.075	.320
120.	14.551	35.003	1.97	26.099	.348
130.	14.493	35.001	1.98	26.109	.368
140.	14.364	34.997	2.00	26.125	.388
150.	14.309	34.998	1.88	26.137	.407
160.	14.106	34.987	1.65	26.170	.426
170.	14.013	34.982	1.59	26.188	.445
180.	13.963	34.983	1.58	26.199	.464
190.	13.873	34.978	1.39	26.214	.483
200.	13.807	34.974	1.34	26.225	.501
250.	13.404	34.952	.88	26.291	.593
300.	12.585	34.904	.42	26.419	.687
350.	11.987	34.813	.29	26.651	.761
400.	9.595	34.728	.29	26.827	.830
450.	8.819	34.690	.31	26.824	.893
500.	8.298	34.665	.40	26.985	.957
550.	7.805	34.629	.41	27.075	1.010
600.	7.082	34.611	.70	27.121	1.063
650.	6.704	34.582	.77	27.151	1.114
700.	6.372	34.576	.74	27.190	1.167
750.	5.891	34.567	.95	27.245	1.213
800.	5.577	34.562	1.11	27.289	1.258
850.	5.297	34.553	1.31	27.308	1.303
900.	5.086	34.553	1.49	27.332	1.348
950.	4.903	34.553	1.53	27.365	1.388
1000.	4.662	34.560	1.57	27.387	1.429
1050.	4.651	34.555	1.56	27.384	

CAST EP3-81-0C-044 DATE 17 JUN 81 TIME 1957 GMT
LAT 2 27.7S LONG 084 58.6W



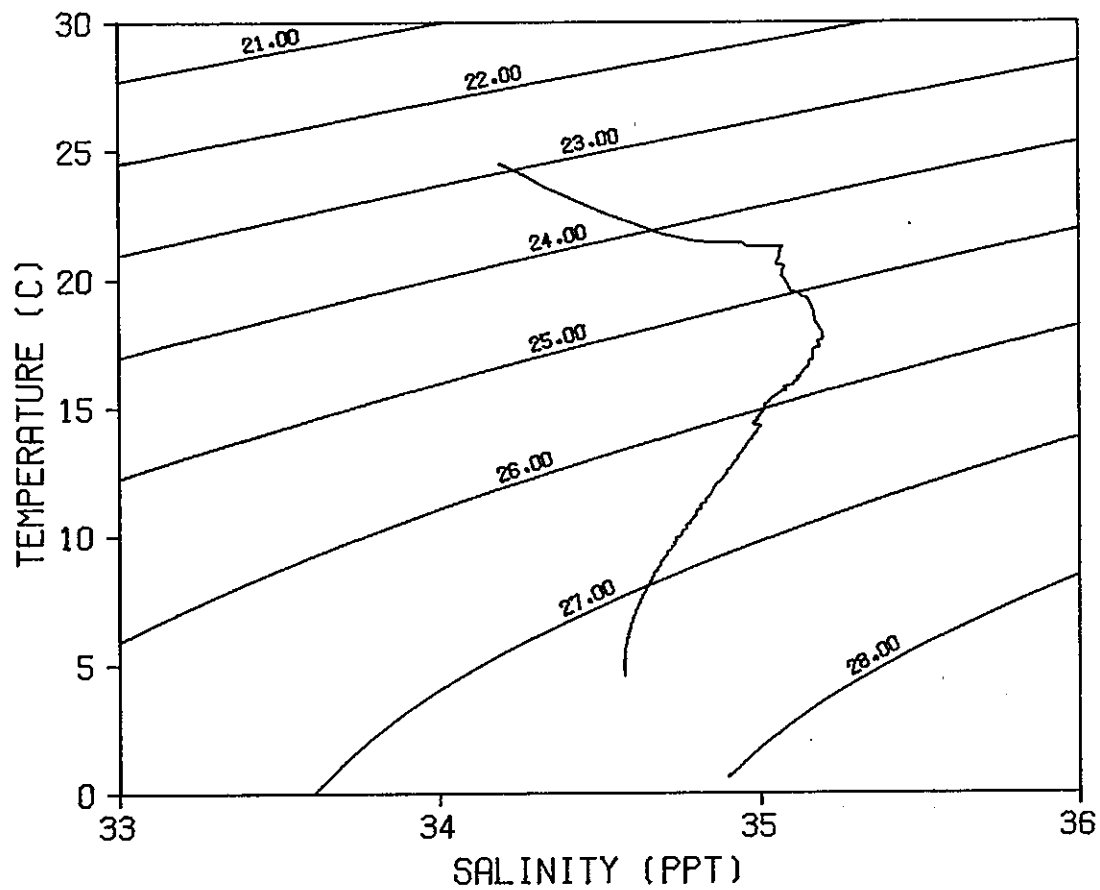
667



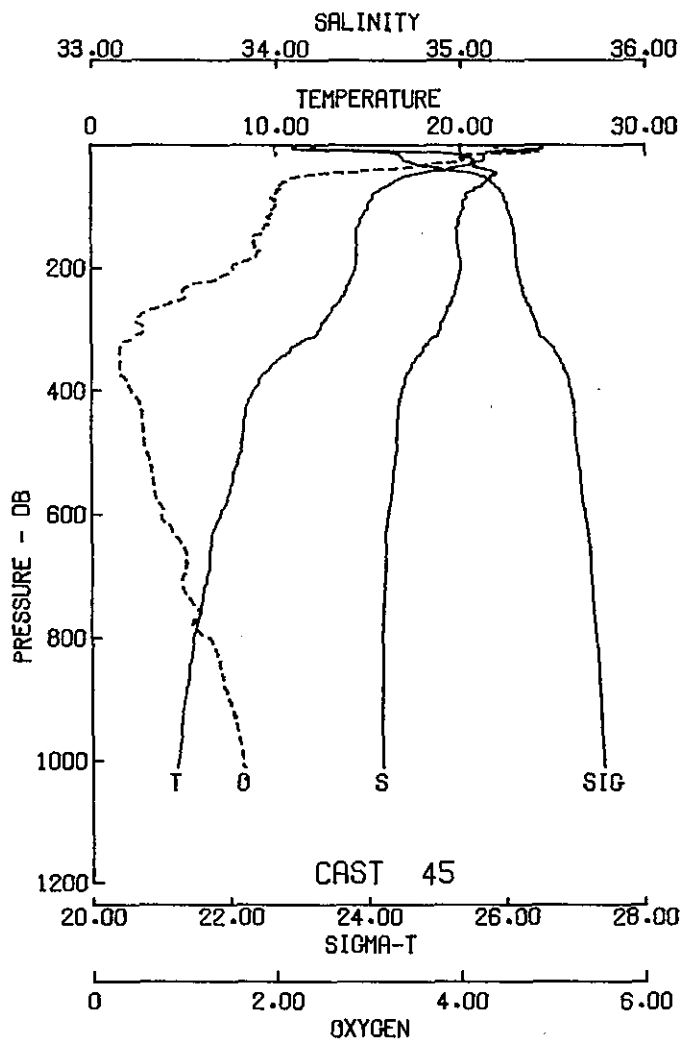
CAST EP3-81-DC-044 DATE 17 JUN 81 TIME 1957 GMT
 LAT 2 27.75 LONG 084 58.6W WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 190 T SPD 14 KT VISIBILITY 7
 CLOUD 6 AMOUNT 7 DRY 23.9 WET 20.1 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.102	34.423	4.37	23.194	0.000
1.	24.103	34.420	4.42	23.191	
10.	22.337	34.876	4.74	24.047	.046
20.	21.684	34.048	4.19	24.360	.083
30.	20.075	34.129	3.62	24.858	.117
40.	19.351	34.177	2.82	25.083	.146
50.	17.981	34.209	2.33	25.453	.174
60.	16.365	34.078	2.11	25.740	.198
70.	15.587	34.061	1.90	25.905	.220
80.	15.152	34.042	1.80	25.987	.241
90.	14.948	34.023	1.83	26.018	.261
100.	14.794	34.012	1.83	26.043	.281
110.	14.622	34.008	1.92	26.078	.301
120.	14.456	34.009	1.49	26.090	.321
130.	14.459	34.007	1.55	26.092	.340
140.	14.496	34.006	1.47	26.104	.360
150.	14.415	34.005	1.41	26.120	.380
160.	14.358	34.002	1.48	26.129	.399
170.	14.278	34.005	1.53	26.142	.418
180.	14.215	34.003	1.58	26.153	.438
190.	14.165	34.004	1.56	26.165	.457
200.	14.108	34.003	1.34	26.181	.476
250.	13.593	34.005	1.35	26.262	.569
300.	12.194	34.007	.32	26.475	.656
350.	9.524	34.077	.29	26.706	.733
400.	9.064	34.700	.32	26.893	.798
450.	8.419	34.669	.36	26.970	.859
500.	7.882	34.644	.43	27.032	.916
550.	7.531	34.629	.49	27.072	.972
600.	7.009	34.612	.50	27.132	1.025
650.	6.360	34.598	.60	27.183	1.075
700.	6.223	34.590	.69	27.221	1.124
750.	4.583	34.583	1.12	27.261	1.171
800.	5.515	34.579	1.25	27.301	1.216
850.	4.243	34.577	1.39	27.333	1.259
900.	5.066	34.577	1.44	27.354	1.301
950.	4.904	34.575	1.46	27.371	1.343
1000.	4.775	34.575	1.50	27.386	1.383
1009.	4.762	34.576	1.51	27.388	

CAST EP3-81-0C-045 DATE 18 JUN 81 TIME 0558 GMT
LAT 1 58.8S LONG 084 59.1W

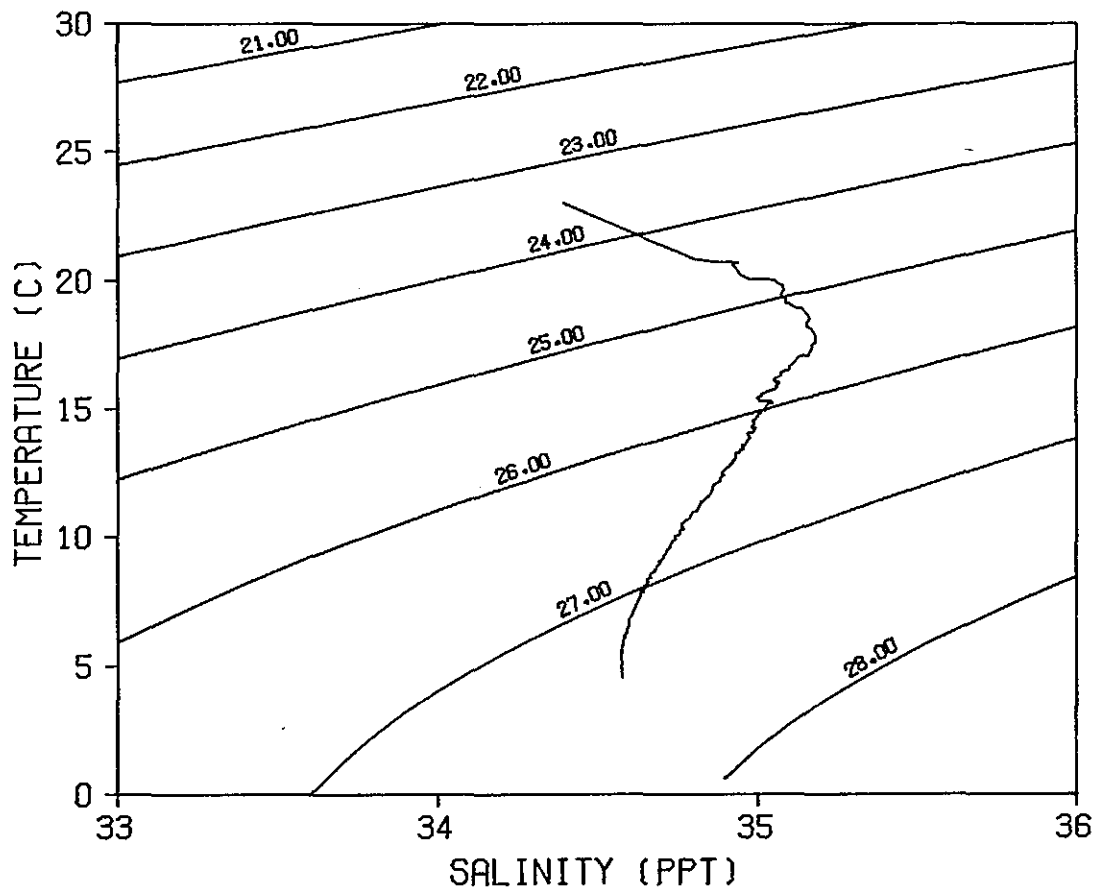


CAST EP3-81-OC-045 DATE 18 JUN 81 TIME 0558 GMT
 LAT 1 58.8S LONG 084 59.1W WEATHER 2 SEA STATE 3
 BAROMETER 14 WIND DIR 180 T SPD 08 KT VISIBILITY 7
 CLOUD 6 AMOUNT 7 DRY 22.9 WET 19.2 DEPTH M

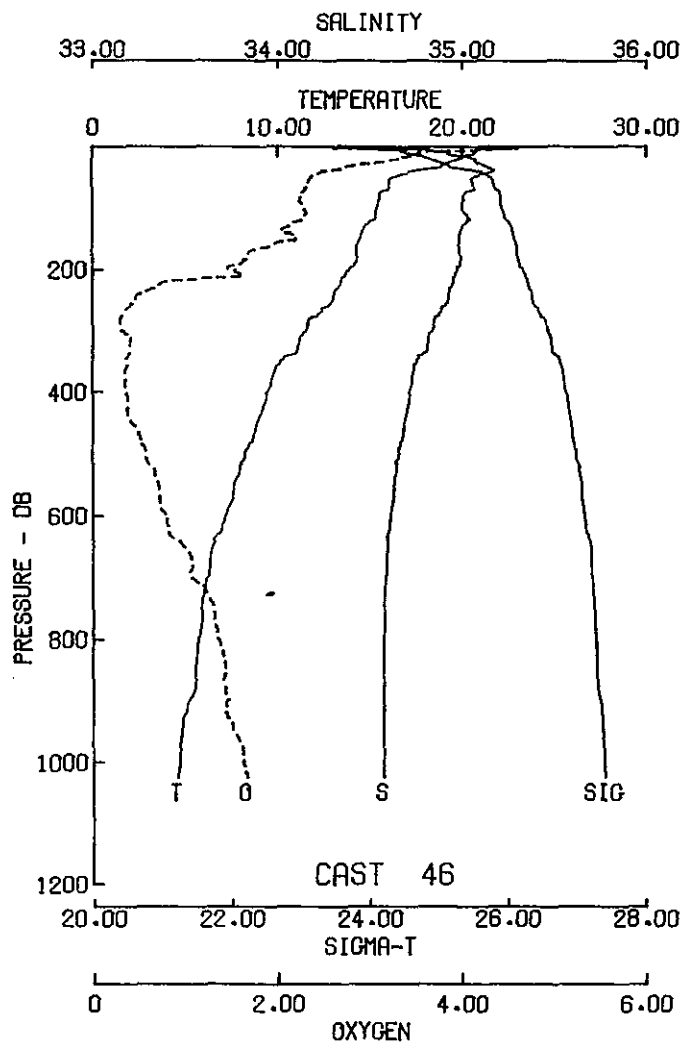


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.523	34.192	4.34	22.894	0.000
1.	24.403	34.211	4.40	22.944	
10.	21.747	34.699	4.86	24.078	.048
20.	21.272	35.051	4.02	24.476	.083
30.	20.529	35.069	3.62	24.691	.117
40.	19.207	35.152	2.97	25.101	.148
50.	16.945	35.166	2.27	25.671	.173
60.	16.357	35.134	2.08	25.785	.196
70.	15.677	35.079	2.04	25.999	.218
80.	15.248	35.029	1.99	25.956	.239
90.	15.102	35.014	1.98	25.977	.260
100.	14.978	35.015	1.98	26.005	.280
110.	14.789	35.004	1.93	26.039	.301
120.	14.578	34.991	1.93	26.074	.321
130.	14.507	34.991	1.88	26.089	.340
140.	14.349	34.980	1.86	26.114	.360
150.	14.352	34.984	1.74	26.117	.379
160.	14.348	34.984	1.74	26.118	.399
170.	14.323	34.985	1.79	26.124	.418
180.	14.321	34.989	1.77	26.128	.438
190.	14.301	34.999	1.63	26.139	.457
200.	14.268	35.001	1.52	26.148	.477
250.	13.491	34.956	1.00	26.276	.571
300.	12.394	34.891	.56	26.446	.658
350.	10.049	34.753	.29	26.769	.733
400.	8.738	34.681	.42	26.929	.797
450.	8.220	34.657	.54	26.991	.856
500.	8.010	34.648	.60	27.016	.914
550.	7.563	34.629	.67	27.067	.969
600.	6.974	34.606	.75	27.134	1.023
650.	6.427	34.593	.99	27.197	1.073
700.	6.204	34.588	.99	27.222	1.121
750.	5.879	34.580	1.13	27.257	1.168
800.	5.474	34.576	1.25	27.305	1.213
850.	5.223	34.576	1.38	27.335	1.256
900.	5.008	34.574	1.48	27.358	1.298
950.	4.828	34.575	1.57	27.380	1.339
1000.	4.634	34.576	1.63	27.402	1.380
1011.	4.569	34.577	1.65	27.410	

CAST EP3-81-0C-046 DATE 18 JUN 81 TIME 0926 GMT
LAT 1 39.9S LONG 084 58.9W

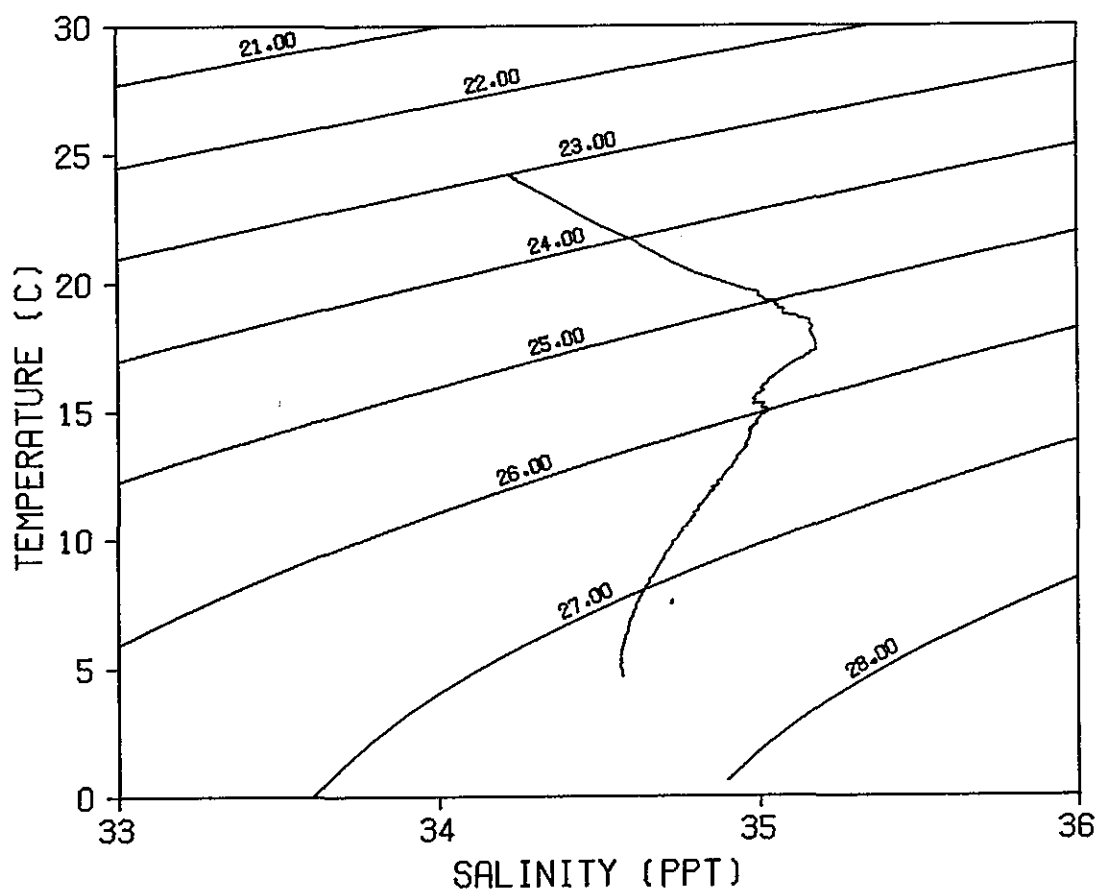


CAST EP3-81-0C-046 DATE 18 JUN 81 TIME 0926 GMT
 LAT 1 39.95 LONG 084 58.9W WEATHER 2 SEA STATE 3
 BAROMETER 13 WIND DIR 230 T SPD 11 KT VISIBILITY 8
 CLOUD 6 AMOUNT 7 DRY 23.0 WET 20.0 DEPTH M

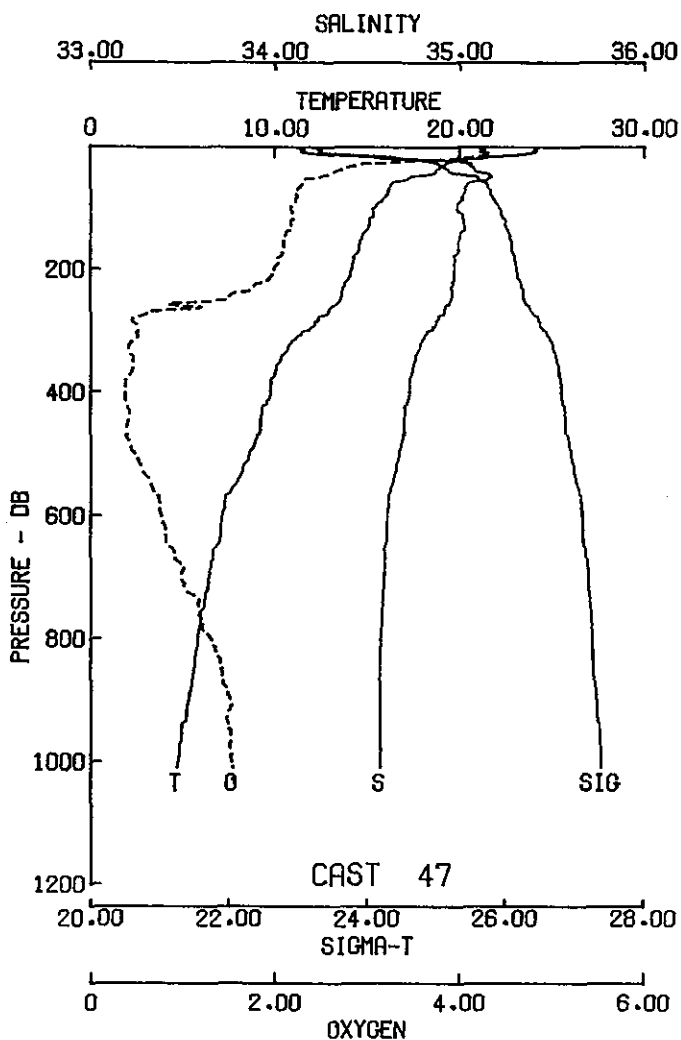


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.291	34.123	4.83	22.911	0.000
3.	23.021	34.394	4.31	23.487	
10.	20.710	34.923	3.52	24.532	.039
20.	19.806	35.078	3.31	24.890	.072
30.	18.943	35.115	2.84	25.141	.101
40.	17.488	35.170	2.50	25.544	.128
50.	16.265	35.070	2.37	25.753	.152
60.	16.061	35.064	2.31	25.800	.174
70.	15.943	35.061	2.28	25.825	.196
80.	15.488	35.007	2.24	25.886	.218
90.	15.440	35.004	2.25	25.894	.239
100.	15.337	35.003	2.27	25.908	.261
110.	15.285	35.023	2.31	25.944	.282
120.	15.168	35.032	2.24	25.977	.303
130.	14.709	35.001	2.10	26.053	.323
140.	14.576	34.991	2.11	26.075	.343
150.	14.468	34.987	2.19	26.094	.363
160.	14.333	34.983	1.96	26.120	.383
170.	14.271	34.990	1.70	26.139	.403
180.	14.265	34.992	1.66	26.142	.421
190.	14.166	34.988	1.60	26.160	.440
200.	13.867	34.976	1.53	26.213	.459
250.	12.984	34.926	.46	26.356	.549
300.	11.520	34.840	.32	26.574	.630
350.	10.171	34.757	.37	26.751	.704
400.	9.462	34.718	.35	26.841	.771
450.	8.883	34.689	.41	26.912	.834
500.	8.232	34.659	.57	26.991	.895
550.	7.605	34.632	.70	27.063	.951
600.	7.152	34.614	.81	27.114	1.006
650.	6.438	34.594	.98	27.196	1.057
700.	6.196	34.586	1.07	27.221	1.110
750.	5.881	34.581	1.31	27.258	1.152
800.	5.692	34.577	1.35	27.278	1.198
850.	5.533	34.576	1.44	27.297	1.242
900.	5.182	34.575	1.44	27.339	1.287
950.	4.804	34.576	1.53	27.383	1.328
1000.	4.659	34.575	1.63	27.399	1.368
1025.	4.565	34.577	1.67	27.411	

CAST EP3-81-0C-047 DATE 18 JUN 81 TIME 1952 GMT
LAT 0 56.1S LONG 085 00.5W



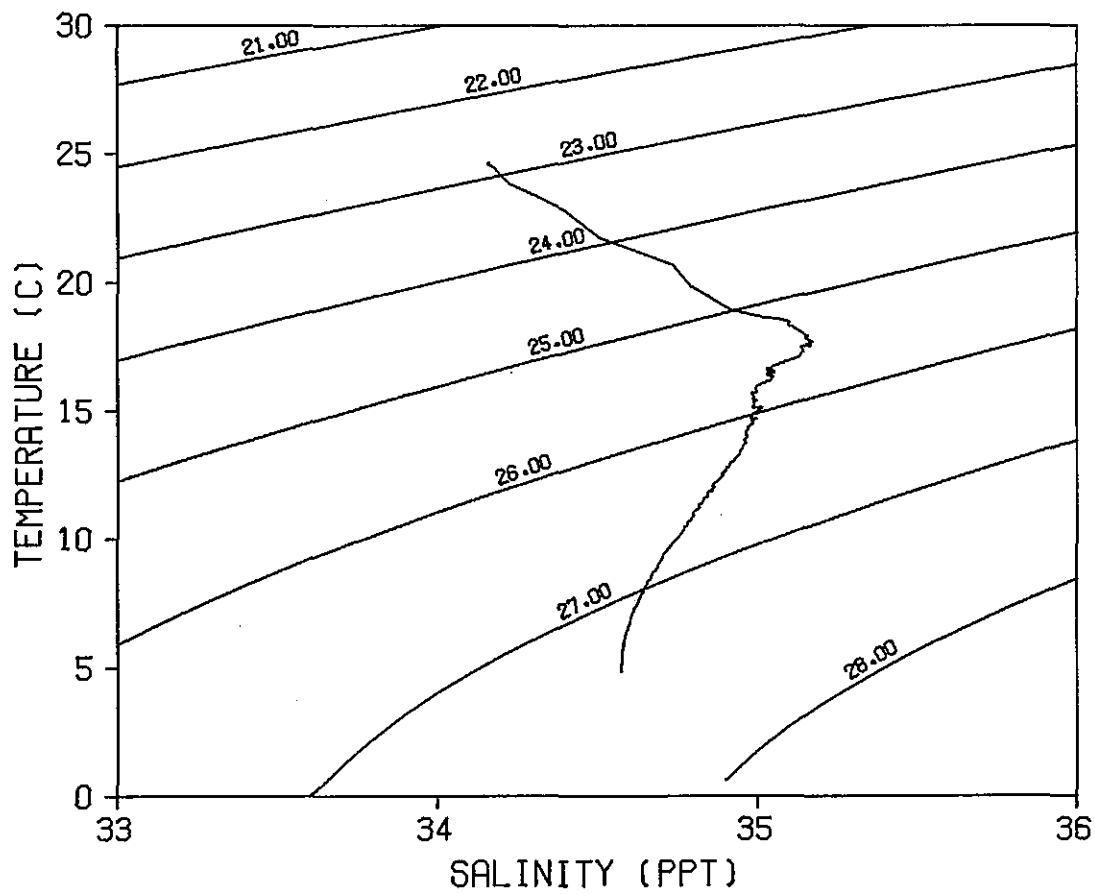
CAST EP3-81-OC-047 DATE 18 JUN 81 TIME 1952 GMT
 LAT 0 56.1S LONG 085 00.5W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 230 T SPD 10 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 DRY 24.7 WET 21.0 DEPTH M



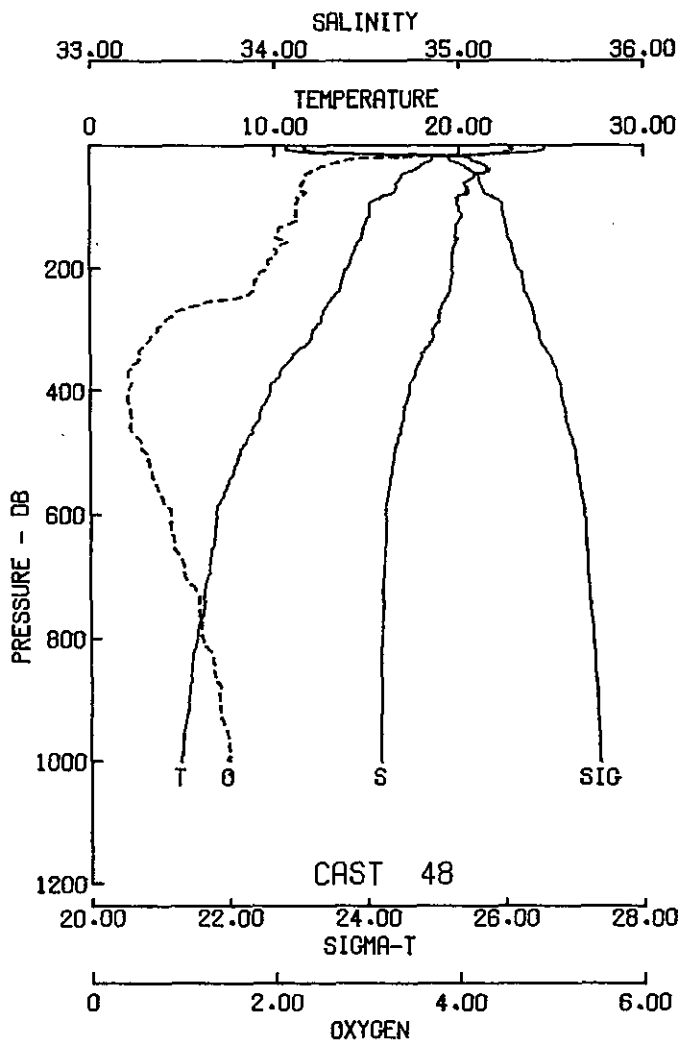
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.214	34.222	4.25	23.008	0.000
2.	24.199	34.225	4.24	23.015	
10.	23.837	34.273	4.33	23.158	.048
20.	20.375	33.803	3.70	24.530	.089
30.	19.102	33.599	2.87	25.057	.120
40.	18.699	33.509	2.67	25.186	.148
50.	17.260	33.516	2.42	25.596	.175
60.	16.287	33.504	2.29	25.730	.198
70.	16.091	33.502	2.24	25.763	.221
80.	15.938	33.501	2.23	25.789	.243
90.	15.650	33.500	2.20	25.844	.266
100.	15.296	33.498	2.15	25.910	.287
110.	15.288	33.500	2.18	25.932	.308
120.	15.061	33.501	2.16	25.988	.329
130.	15.046	33.502	2.16	25.996	.350
140.	14.782	33.503	2.11	26.040	.370
150.	14.666	33.499	2.11	26.060	.390
160.	14.532	33.499	2.09	26.083	.410
170.	14.500	33.499	2.08	26.091	.430
180.	14.253	33.497	2.04	26.127	.450
190.	14.200	33.497	2.03	26.139	.469
200.	14.124	33.497	1.98	26.155	.488
250.	13.533	33.495	1.43	26.266	.582
300.	11.688	33.483	.90	26.541	.667
350.	10.247	33.475	.46	26.738	.740
400.	9.724	33.472	.38	26.805	.808
450.	9.215	33.470	.40	26.870	.873
500.	8.585	33.467	.48	26.946	.936
550.	7.852	33.463	.65	27.029	.994
600.	7.120	33.460	.76	27.115	1.048
650.	6.843	33.459	.86	27.145	1.101
700.	6.392	33.459	.98	27.199	1.150
750.	6.127	33.458	1.16	27.225	1.199
800.	5.800	33.457	1.30	27.263	1.245
850.	5.603	33.457	1.42	27.284	1.291
900.	5.300	33.456	1.51	27.320	1.335
950.	4.914	33.457	1.52	27.367	1.378
1000.	4.724	33.457	1.54	27.391	1.419
1009.	4.677	33.457	1.54	27.396	

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CAST EP3-81-0C-048 DATE 18 JUN 81 TIME 2307 GMT
LAT 0 24.1S LONG 084 59.3W

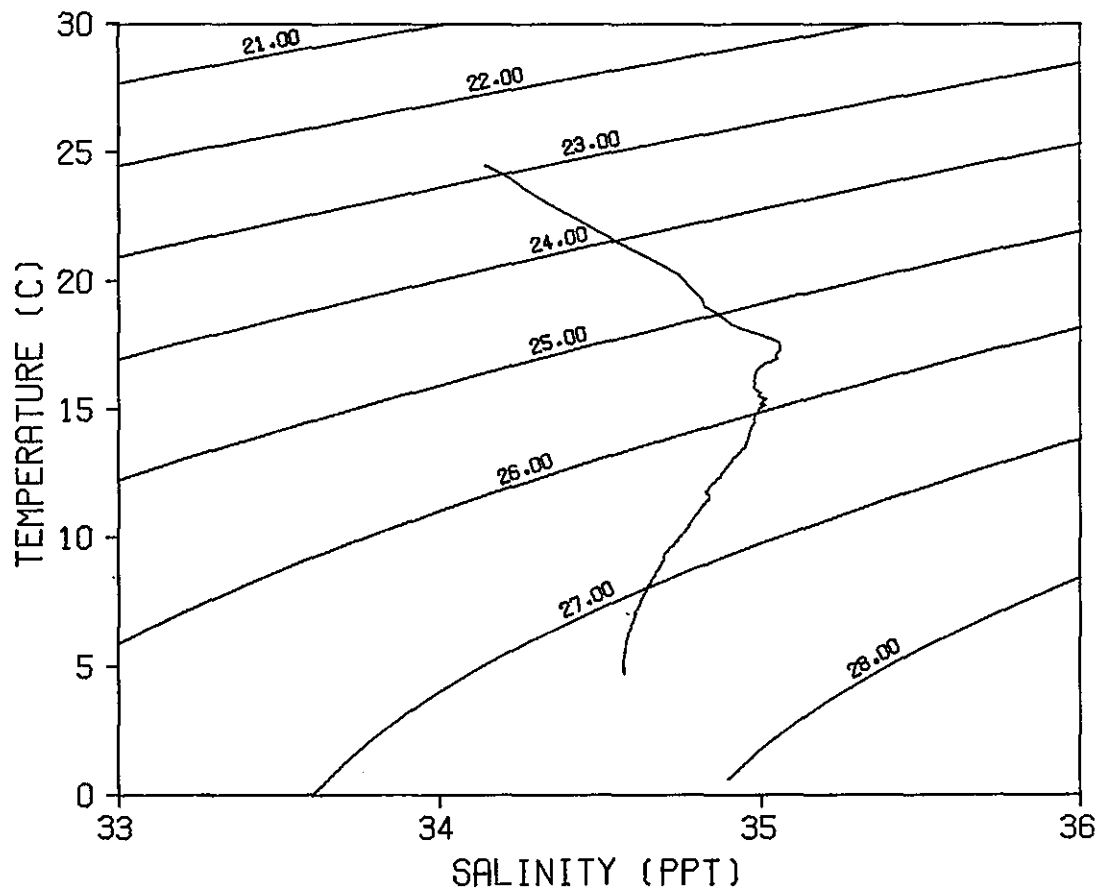


CAST EP3-81-DC-048 DATE 18 JUN 81 TIME 2307 GMT
 LAT 0 24.15 LONG 084 59.3W WEATHER 1 SEA STATE 3
 BARMETER 13 WIND DIR 210 T SPD 16 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 25.2 WET 21.0 DEPTH M

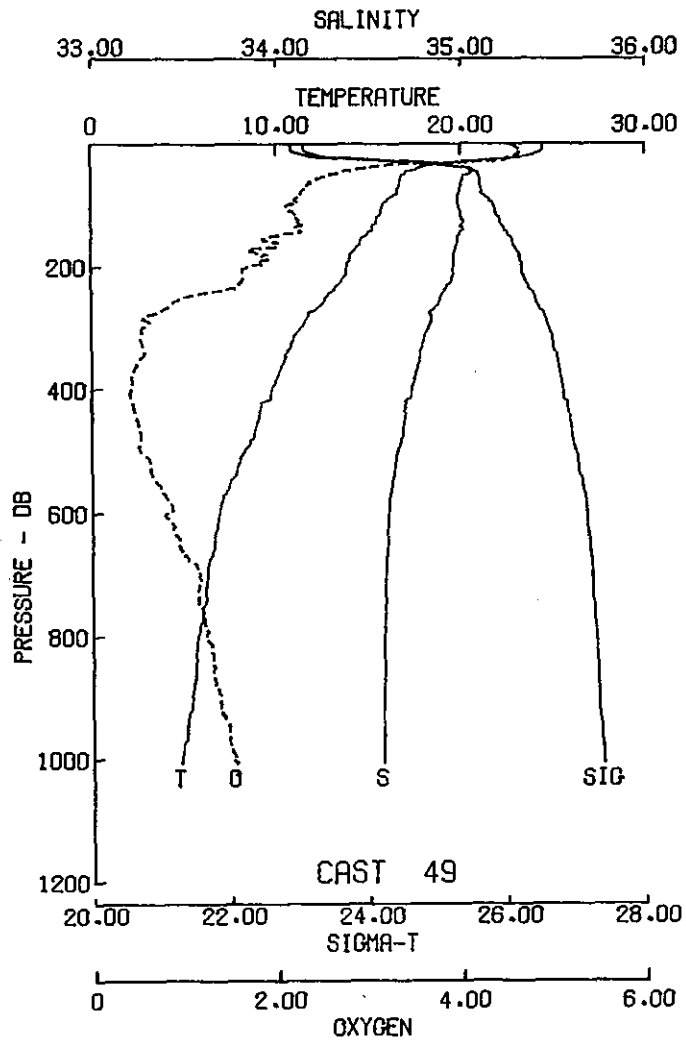


PRES (DB)	TEMP (C)	SAL (PPT)	UXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.689	34.154	4.52	22.819	0.000
2.	24.636	34.161	4.55	22.837	
10.	24.117	34.201	4.53	23.022	.050
20.	18.579	35.057	2.97	25.188	.087
30.	18.125	35.128	2.62	25.356	.114
40.	17.712	35.173	2.41	25.492	.140
50.	16.883	35.087	2.35	25.625	.164
60.	16.672	35.041	2.30	25.640	.188
70.	16.542	35.043	2.27	25.672	.212
80.	16.189	35.042	2.28	25.753	.235
90.	15.317	34.986	2.24	25.908	.257
100.	15.112	34.996	2.22	25.961	.278
110.	15.143	35.012	2.22	25.966	.299
120.	14.997	35.003	2.25	25.992	.320
130.	14.854	34.984	2.12	25.009	.340
140.	14.760	34.981	2.03	26.026	.361
150.	14.682	34.982	2.01	26.045	.381
160.	14.472	34.982	2.09	26.090	.401
170.	14.325	34.970	2.01	26.112	.421
180.	14.185	34.964	1.99	26.138	.440
190.	14.106	34.963	1.92	26.153	.459
200.	13.929	34.966	1.91	26.193	.478
250.	13.057	34.925	1.48	26.341	.570
300.	12.082	34.857	.74	26.480	.655
350.	10.819	34.792	.51	26.665	.733
400.	9.716	34.730	.40	26.808	.802
450.	9.125	34.698	.44	26.881	.867
500.	8.064	34.647	.60	27.007	.928
550.	7.445	34.623	.71	27.079	.983
600.	6.817	34.602	.87	27.151	1.036
650.	6.662	34.598	.91	27.169	1.086
700.	6.358	34.590	1.02	27.203	1.135
750.	6.113	34.585	1.17	27.232	1.183
800.	5.753	34.580	1.21	27.273	1.230
850.	5.474	34.576	1.33	27.304	1.274
900.	5.265	34.576	1.38	27.329	1.318
950.	5.029	34.573	1.47	27.355	1.361
1000.	4.856	34.574	1.51	27.376	1.402
1002.	4.854	34.573	1.49	27.375	

CAST EP3-81-0C-049 DATE 19 JUN 81 TIME 0723 GMT
LAT 00 04.4N LONG 084 59.6W



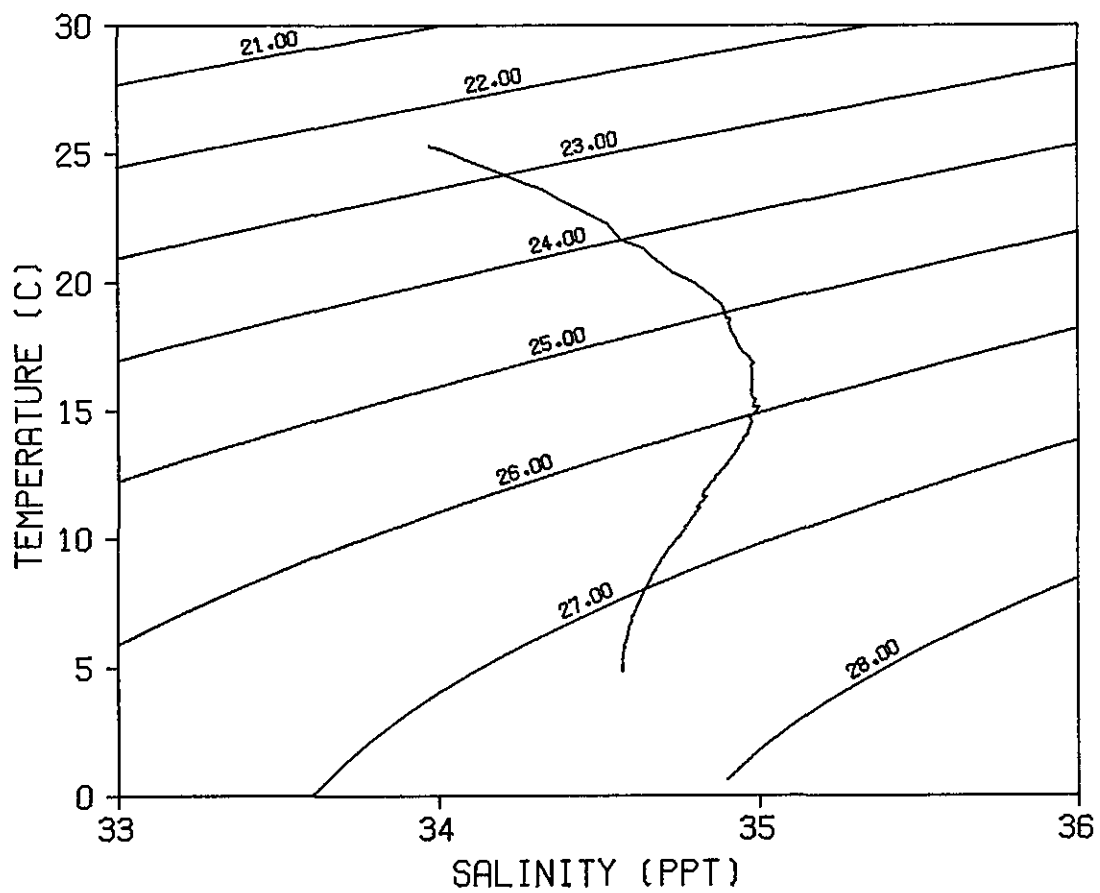
CAST EP3-81-DC-049 DATE 19 JUN 81 TIME 0723 GMT
 LAT 00 04.4N LONG 084 59.6W WEATHER 2 SEA STATE 3
 BAROMETER 14 WIND DIR 190 T SPD 10 KT VISIBILITY 7
 CLOUD 3 AMOUNT 7 DRY 23.1 WET 20.8 DEPTH M



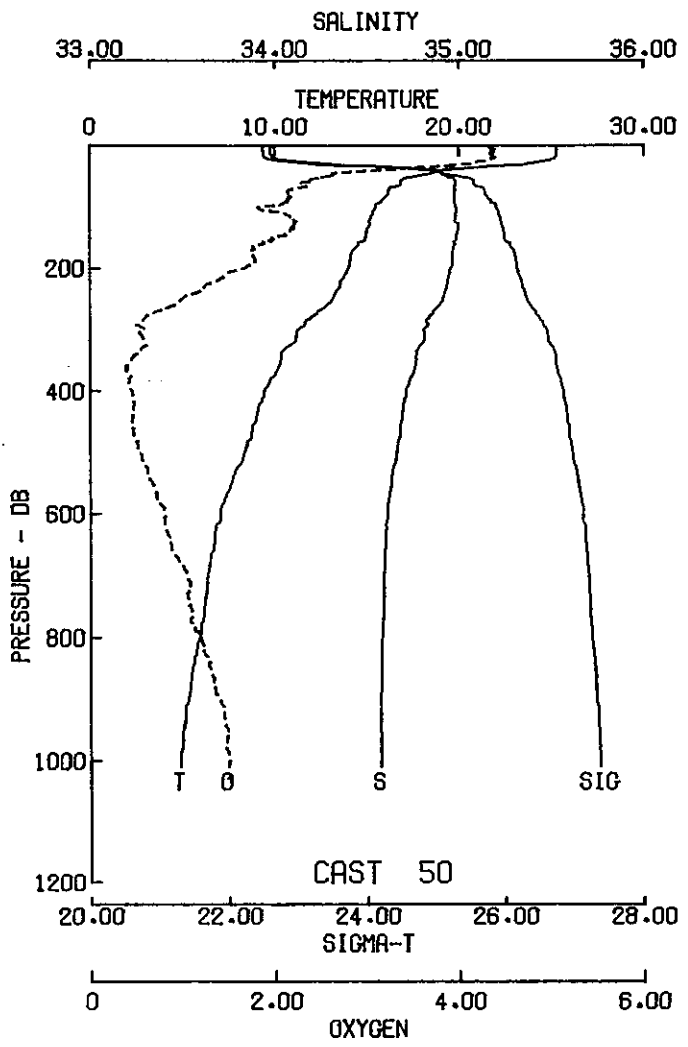
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.469	34.145	4.53	22.875	0.000
2.	24.471	34.144	4.56	22.874	
10.	24.463	34.150	4.64	22.880	.050
20.	23.783	34.247	4.57	23.155	.099
30.	19.497	34.801	4.13	24.759	.140
40.	17.668	35.051	2.91	25.409	.168
50.	16.943	35.048	2.57	25.581	.193
60.	16.690	35.006	2.36	25.609	.217
70.	16.611	34.995	2.31	25.619	.241
80.	16.539	34.990	2.26	25.632	.265
90.	16.020	34.982	2.19	25.745	.289
100.	15.761	34.987	2.11	25.809	.311
110.	15.657	35.000	2.18	25.842	.333
120.	15.460	35.007	2.22	25.892	.355
130.	15.357	35.012	2.23	25.919	.376
140.	15.169	35.014	2.24	25.963	.398
150.	14.798	34.981	1.93	26.019	.418
160.	14.500	34.977	2.01	26.080	.438
170.	14.294	34.970	1.74	26.119	.458
180.	13.983	34.960	1.89	26.177	.477
190.	13.922	34.961	1.83	26.191	.496
200.	13.797	34.959	1.68	26.215	.515
250.	12.637	34.886	.99	26.395	.605
300.	11.307	34.823	.54	26.600	.686
350.	10.435	34.774	.51	26.719	.759
400.	9.732	34.733	.42	26.808	.827
450.	8.961	34.691	.48	26.902	.892
500.	8.221	34.656	.53	26.990	.953
550.	7.433	34.624	.69	27.082	1.009
600.	6.860	34.605	.80	27.148	1.061
650.	6.563	34.598	.94	27.182	1.111
700.	6.193	34.588	1.15	27.224	1.160
750.	5.951	34.584	1.13	27.251	1.207
800.	5.654	34.580	1.25	27.285	1.253
850.	5.511	34.580	1.30	27.303	1.297
900.	5.350	34.577	1.37	27.320	1.341
950.	5.044	34.576	1.47	27.355	1.384
1000.	4.769	34.575	1.53	27.386	1.426
1006.	4.744	34.575	1.55	27.389	

605

CAST EP3-81-0C-050 DATE 19 JUN 81 TIME 1605 GMT
LAT 00 30.ON LONG 085 00.0W



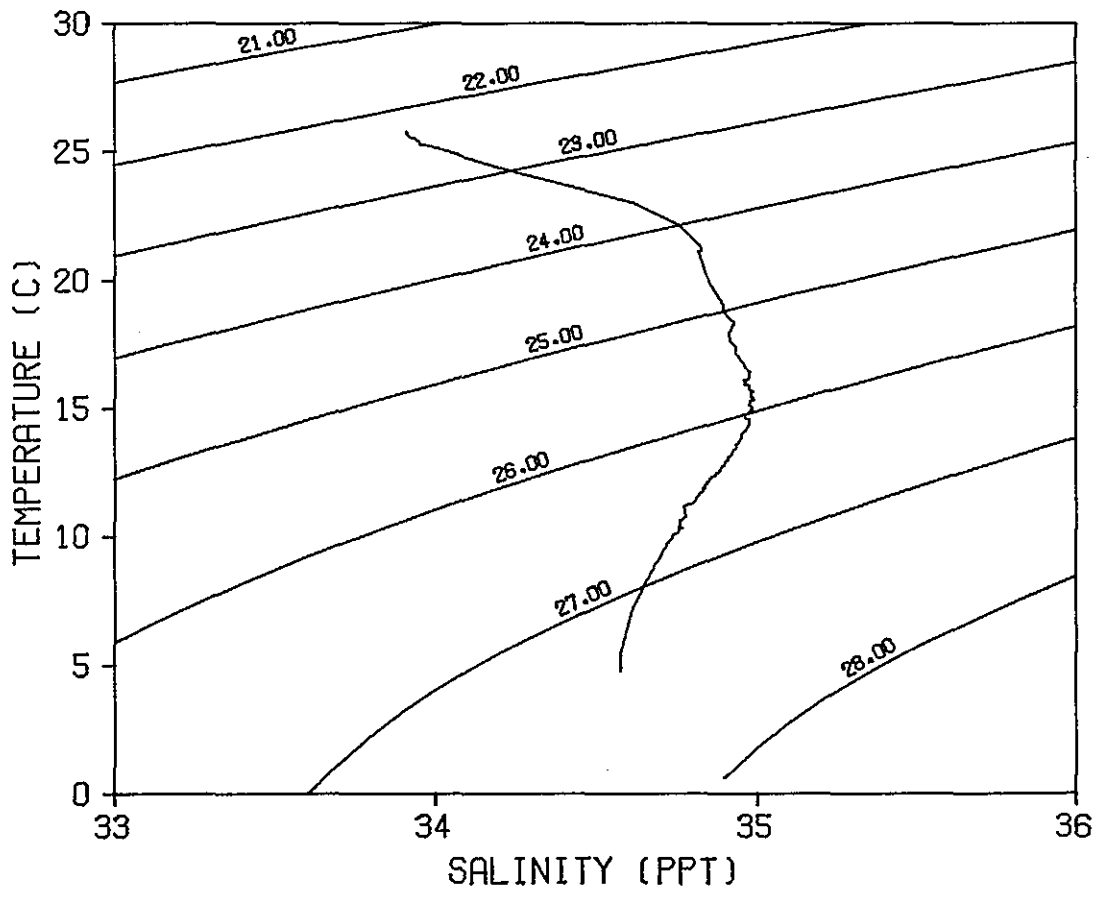
111



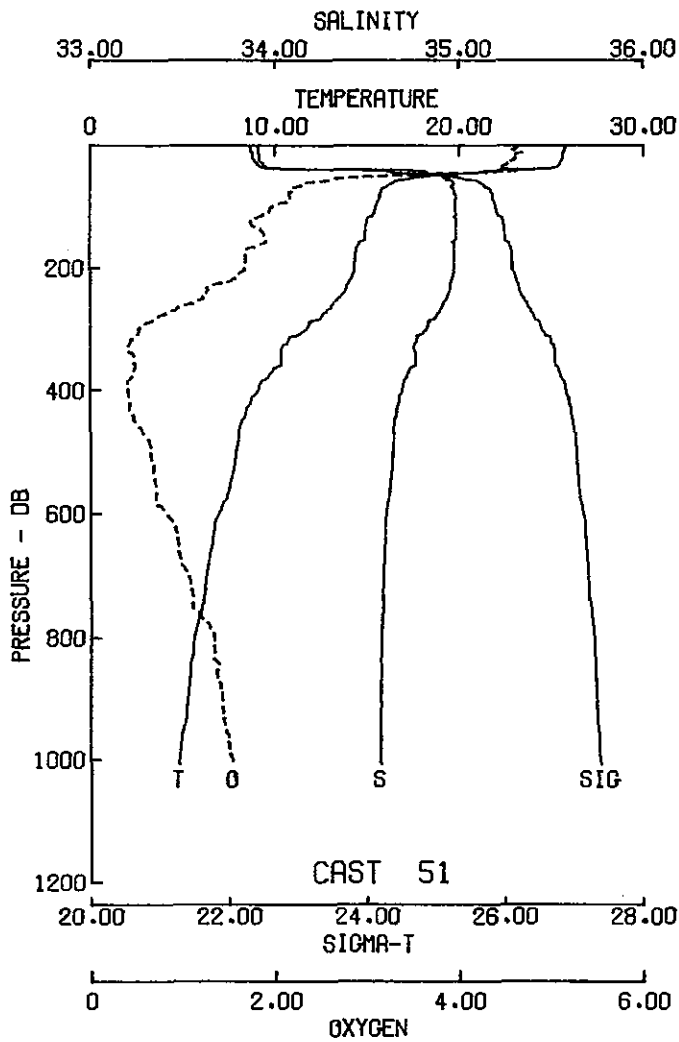
CAST EP3-81-DC-050 DATE 19 JUN 81 TIME 1605 GMT
 LAT 00 30.0N LONG 085 00.0W WEATHER 1 SEA STATE 4
 BAROMETER 15 WIND DIR 190 T SPD 12 KT VISIBILITY 7
 CLOUD 4 AMOUNT 4 DRY 25.9 WET 23.4 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.311	33.975	4.28	22.492	0.000
2.	25.310	33.975	4.33	22.492	
10.	25.293	33.976	4.35	22.498	.054
20.	25.207	33.998	4.38	22.541	.107
30.	23.697	34.305	4.08	23.224	.158
40.	19.136	34.882	3.17	24.914	.196
50.	17.668	34.932	2.58	25.319	.225
60.	16.844	34.985	2.29	25.556	.250
70.	16.220	34.980	2.21	25.699	.274
80.	16.090	34.980	2.15	25.728	.297
90.	15.795	34.978	2.16	25.794	.320
100.	15.452	34.984	1.82	25.876	.342
110.	15.309	34.986	2.10	25.910	.363
120.	15.173	34.982	2.21	25.937	.385
130.	15.129	35.000	2.20	25.961	.406
140.	14.982	34.994	2.16	25.988	.426
150.	14.910	34.988	1.96	26.000	.447
160.	14.522	34.977	1.87	26.075	.467
170.	14.272	34.969	1.76	26.122	.487
180.	14.127	34.965	1.76	26.151	.506
190.	14.061	34.963	1.77	26.163	.526
200.	13.988	34.957	1.66	26.173	.545
250.	13.135	34.913	.99	26.315	.637
300.	11.253	34.805	.59	26.536	.720
350.	10.324	34.766	.43	26.732	.792
400.	9.432	34.712	.45	26.841	.860
450.	8.960	34.687	.45	26.899	.924
500.	8.346	34.660	.54	26.974	.984
550.	7.655	34.631	.67	27.055	1.042
600.	7.047	34.610	.80	27.126	1.095
650.	6.693	34.600	.88	27.166	1.146
700.	6.333	34.591	1.04	27.207	1.195
750.	6.158	34.588	1.08	27.228	1.244
800.	5.931	34.583	1.18	27.253	1.291
850.	5.519	34.577	1.30	27.300	1.336
900.	5.304	34.575	1.40	27.324	1.380
950.	5.014	34.574	1.49	27.357	1.423
1000.	4.869	34.575	1.50	27.375	1.464
1009.	4.862	34.575	1.50	27.376	

CAST EP3-81-0C-051 DATE 20 JUN 81 TIME 0337 GMT
LAT 01 00.0N LONG 085 00.0W



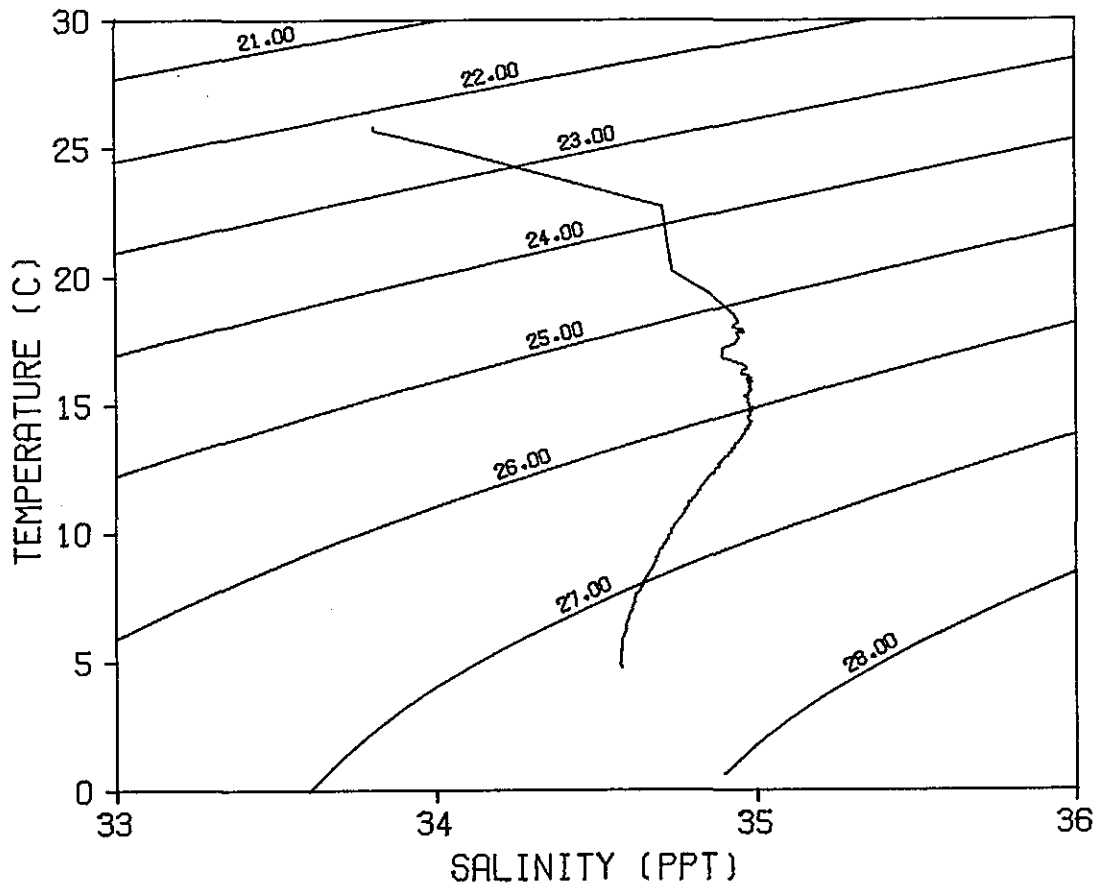
513



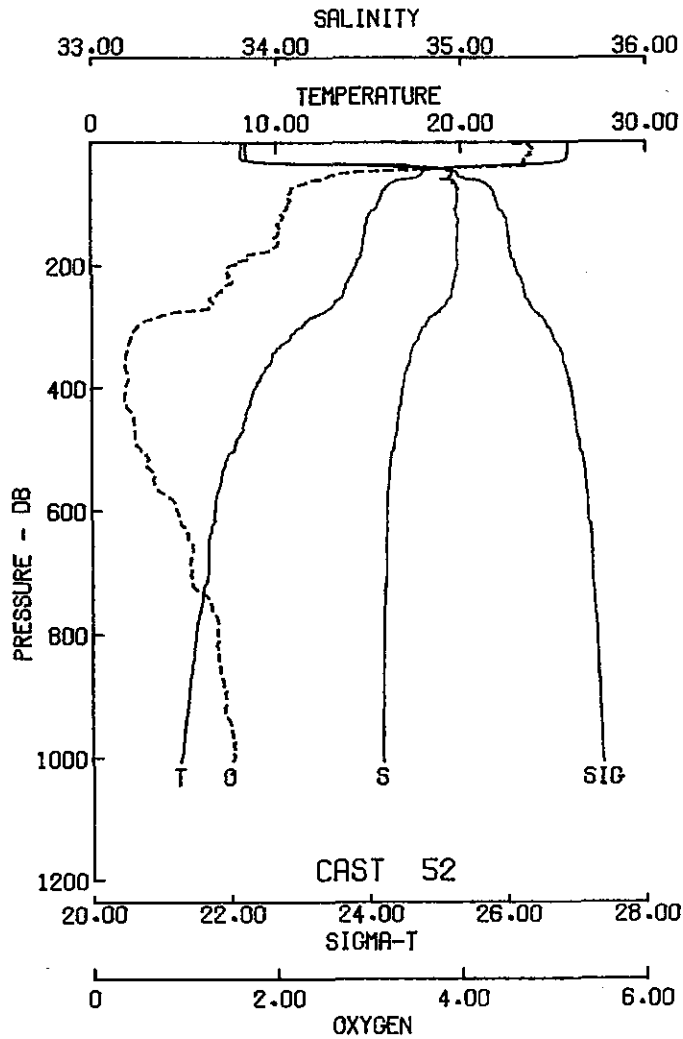
CAST EP3-81-DC-051 DATE 20 JUN 81 TIME 0337 GMT
 LAT 01 00.0N LONG 085 00.0W WEATHER 1 SEA STATE 4
 BAROMETER 15 WIND DIR 250 T SPD 08 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 24.1 WET 22.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.776	33.908	4.66	22.249	0.000
2.	25.767	33.909	4.64	22.302	
5.	25.714	33.912	4.64	22.321	.055
10.	25.646	33.912	4.63	22.342	.111
20.	25.490	33.936	4.52	22.408	.165
30.	23.007	34.614	4.64	23.657	.218
40.	18.335	34.928	3.11	25.151	.252
50.	16.447	34.975	2.34	25.642	.278
60.	15.827	34.974	2.20	25.784	.301
70.	15.695	34.981	2.15	25.819	.323
80.	15.619	34.978	2.13	25.834	.345
90.	15.481	34.980	1.97	25.867	.367
100.	15.392	34.985	1.92	25.890	.389
110.	15.029	34.984	1.75	25.970	.410
120.	14.921	34.984	1.75	25.994	.431
130.	14.904	34.984	1.87	25.998	.451
140.	14.881	34.984	1.86	26.003	.472
150.	14.555	34.977	1.86	26.068	.492
160.	14.411	34.975	1.69	26.098	.512
170.	14.368	34.975	1.68	26.107	.532
180.	14.349	34.975	1.68	26.111	.552
190.	14.328	34.974	1.67	26.115	.571
200.	13.445	34.931	1.52	26.266	.667
250.	11.709	34.824	.52	26.526	.752
300.	10.336	34.764	.48	26.729	.825
350.	9.080	34.693	.41	26.884	.891
400.	8.205	34.652	.48	26.989	.951
450.	7.856	34.639	.65	27.032	1.006
500.	7.570	34.628	.70	27.065	1.064
550.	6.964	34.605	.8	27.133	1.118
600.	6.598	34.598	.95	27.177	1.168
650.	6.286	34.591	1.07	27.213	1.217
700.	6.006	34.586	1.10	27.246	1.265
750.	5.594	34.577	1.34	27.291	1.310
800.	5.395	34.577	1.38	27.314	1.354
850.	5.242	34.576	1.43	27.332	1.398
900.	5.033	34.575	1.47	27.356	1.440
950.	4.813	34.574	1.54	27.380	1.482
1000.	4.771	34.574	1.54	27.385	
1008.					

CAST EP3-81-0C-052 DATE 20 JUN 81 TIME 0700 GMT
LAT 01 28.4N LONG 085 00.5W



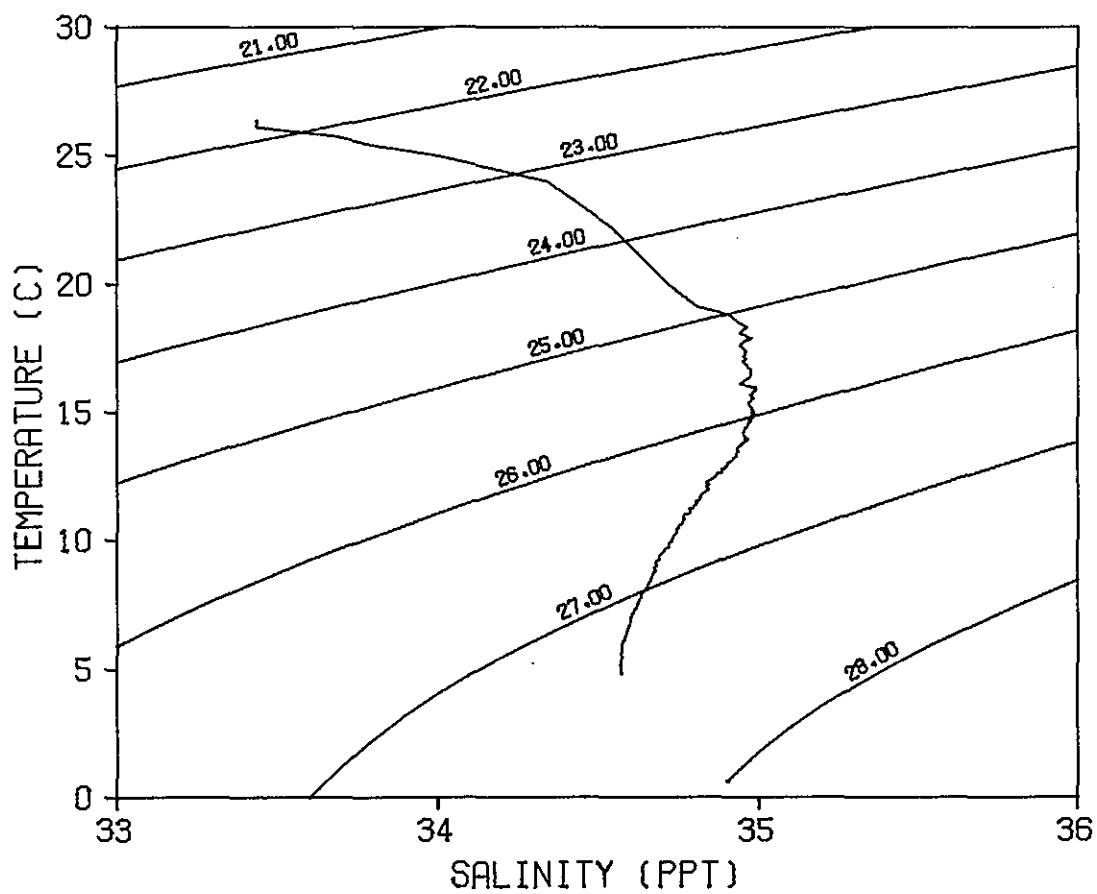
CAST EP3-81-0C-052 DATE 20 JUN 81 TIME 0700 GMT
 LAT 01 28.4N LONG 085 00.5W WEATHER 1 SEA STATE 3
 BAROMETER 15 WIND DIR 200 T SPD 10 KT VISIBILITY 7
 CLOUD 3 AMOUNT 2 DRY 24.1 WET 22.3 DEPTH M



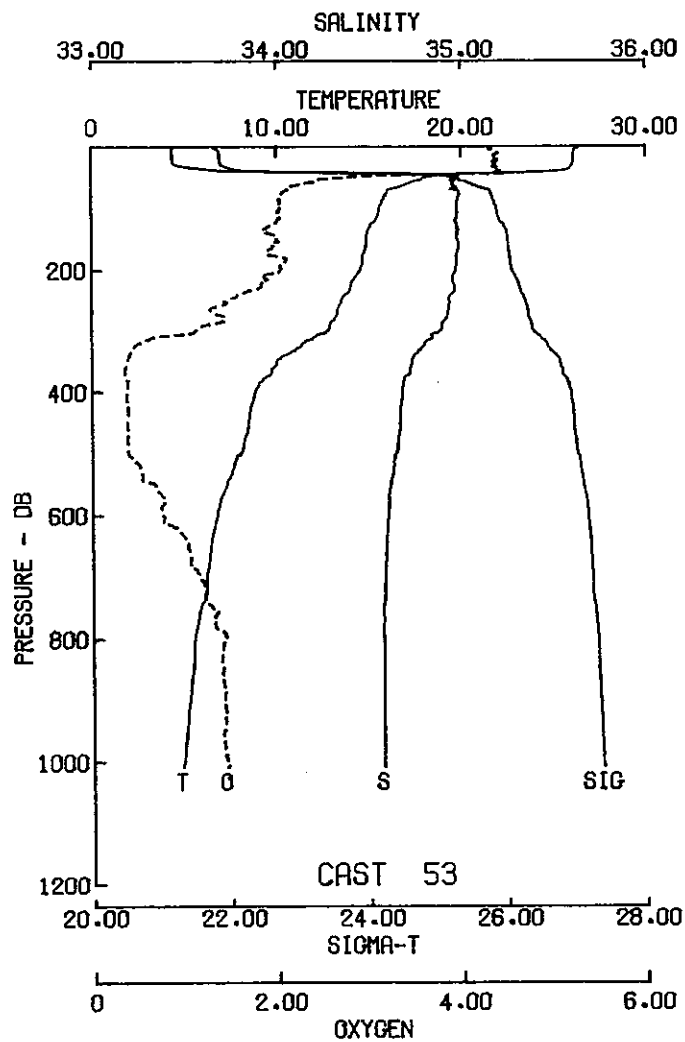
PRES (DB)	TEMP (C)	SAL (PPT)	JXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.831	33.809	4.71	22.207	0.000
10.	25.788	33.810	4.78	22.221	.056
20.	25.771	33.806	4.76	22.224	.112
30.	25.586	33.840	4.70	22.306	.169
40.	20.210	34.737	4.34	24.524	.216
50.	17.890	34.950	2.74	25.278	.244
60.	16.828	34.892	2.47	25.489	.271
70.	16.055	34.982	2.22	25.738	.295
80.	15.741	34.978	2.16	25.807	.317
90.	15.620	34.980	2.14	25.836	.339
100.	15.489	34.979	2.13	25.864	.361
110.	15.252	34.969	2.09	25.909	.383
120.	15.004	34.976	2.07	25.969	.404
130.	14.913	34.988	2.04	25.999	.424
140.	14.808	34.983	2.04	26.018	.445
150.	14.782	34.985	2.02	26.025	.465
160.	14.705	34.981	2.01	26.039	.486
170.	14.673	34.979	1.99	26.044	.506
180.	14.588	34.979	1.78	26.063	.526
190.	14.432	34.976	1.68	26.094	.546
200.	14.333	34.985	1.51	26.122	.566
250.	13.550	34.945	1.33	26.255	.660
300.	11.386	34.806	.49	26.572	.745
350.	9.743	34.723	.36	26.798	.816
400.	8.825	34.683	.37	26.918	.880
450.	8.305	34.658	.45	26.979	.940
500.	7.704	34.633	.53	27.050	.997
550.	6.987	34.610	.66	27.134	1.050
600.	6.659	34.599	.92	27.170	1.100
650.	6.265	34.592	1.06	27.217	1.149
700.	6.238	34.591	1.07	27.220	1.196
750.	5.909	34.582	1.28	27.255	1.243
800.	5.588	34.579	1.36	27.292	1.284
850.	5.398	34.577	1.39	27.314	1.333
900.	5.204	34.576	1.44	27.336	1.376
950.	4.992	34.575	1.51	27.360	1.418
1000.	4.819	34.574	1.53	27.380	1.460
1006.	4.773	34.576	1.49	27.386	

515

CAST EP3-81-0C-053 DATE 20 JUN 81 TIME 1736 GMT
LAT 01 59.5N LONG 084 59.8W



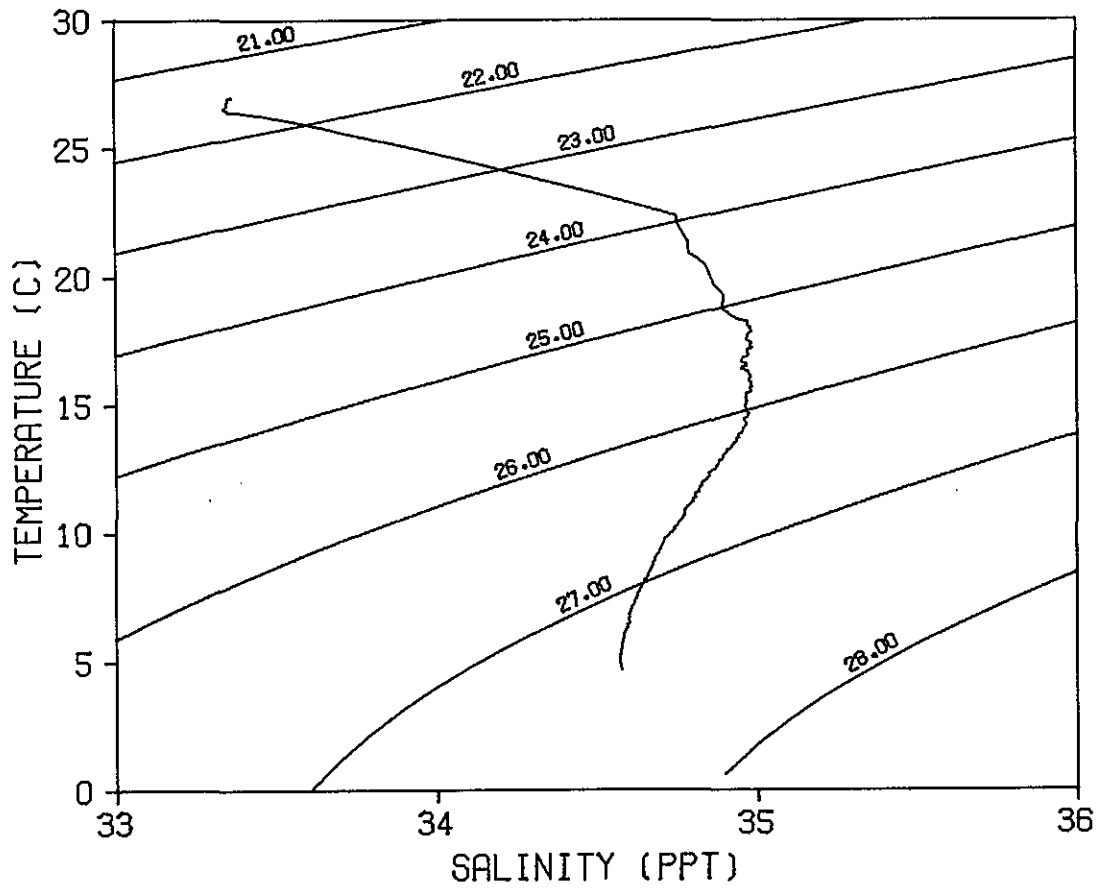
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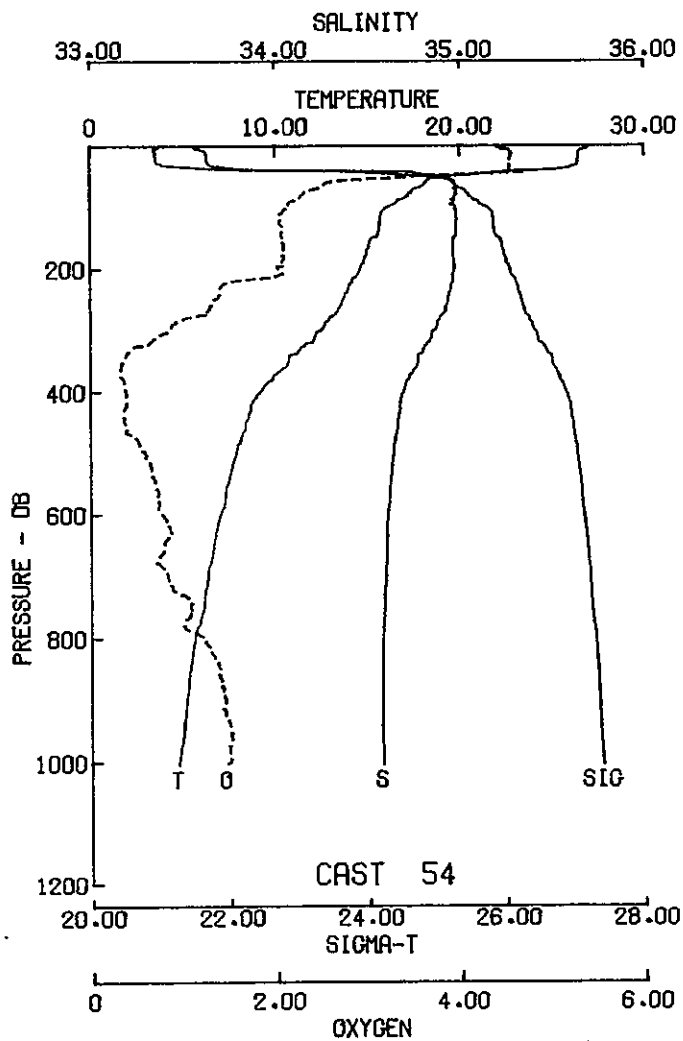
CAST EP3-81-DC-053 DATE 20 JUN 81 TIME 1736 GMT
 LAT 01 59.5N LONG 084 59.8W WEATHER 1 SEA STATE 3
 BAROMETER 15 WIND DIR 190 T SPD 06 KT VISIBILITY 7
 CLOUD 3 AMOUNT 2 DRY 26.8 WET 23.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.428	33.438	4.29	21.743	0.000
2.	26.346	33.436	4.31	21.767	
10.	26.114	33.436	4.39	21.839	.060
20.	26.091	33.438	4.41	21.847	.120
30.	26.055	33.458	4.41	21.874	.180
40.	25.413	33.785	4.43	22.318	.238
50.	18.089	34.942	2.74	25.222	.275
60.	17.071	34.959	2.27	25.483	.301
70.	15.990	34.975	2.12	25.747	.325
80.	15.845	34.988	2.05	25.740	.348
90.	15.688	34.978	2.03	25.818	.370
100.	15.543	34.978	2.04	25.851	.392
110.	15.491	34.979	2.02	25.864	.414
120.	15.322	34.967	2.00	25.892	.436
130.	15.051	34.981	1.89	25.963	.457
140.	14.860	34.979	1.91	25.999	.477
150.	14.844	34.978	2.01	26.006	.498
160.	14.825	34.985	1.95	26.015	.518
170.	14.749	34.979	1.91	26.028	.539
180.	14.643	34.973	2.08	26.046	.559
190.	14.634	34.976	2.08	26.050	.579
200.	14.511	34.968	2.05	26.071	.600
250.	13.486	34.932	1.45	26.258	.696
300.	12.775	34.888	1.12	26.369	.785
350.	9.984	34.730	.37	26.763	.862
400.	8.811	34.680	.37	26.917	.927
450.	8.430	34.665	.38	26.965	.987
500.	8.020	34.647	.39	27.013	1.046
550.	7.256	34.614	.67	27.049	1.100
600.	6.715	34.600	.75	27.164	1.152
650.	6.383	34.589	1.03	27.199	1.201
700.	6.123	34.582	1.16	27.228	1.249
750.	5.802	34.573	1.29	27.261	1.296
800.	5.477	34.574	1.43	27.302	1.341
850.	5.396	34.575	1.40	27.313	1.385
900.	5.164	34.573	1.42	27.337	1.428
950.	5.046	34.574	1.41	27.353	1.470
1000.	4.895	34.573	1.45	27.370	1.512
1008.	4.819	34.574	1.45	27.380	

CAST EP3-81-0C-054 DATE 20 JUN 81 TIME 2107 GMT
LAT 02 29.9N LONG 084 59.9W



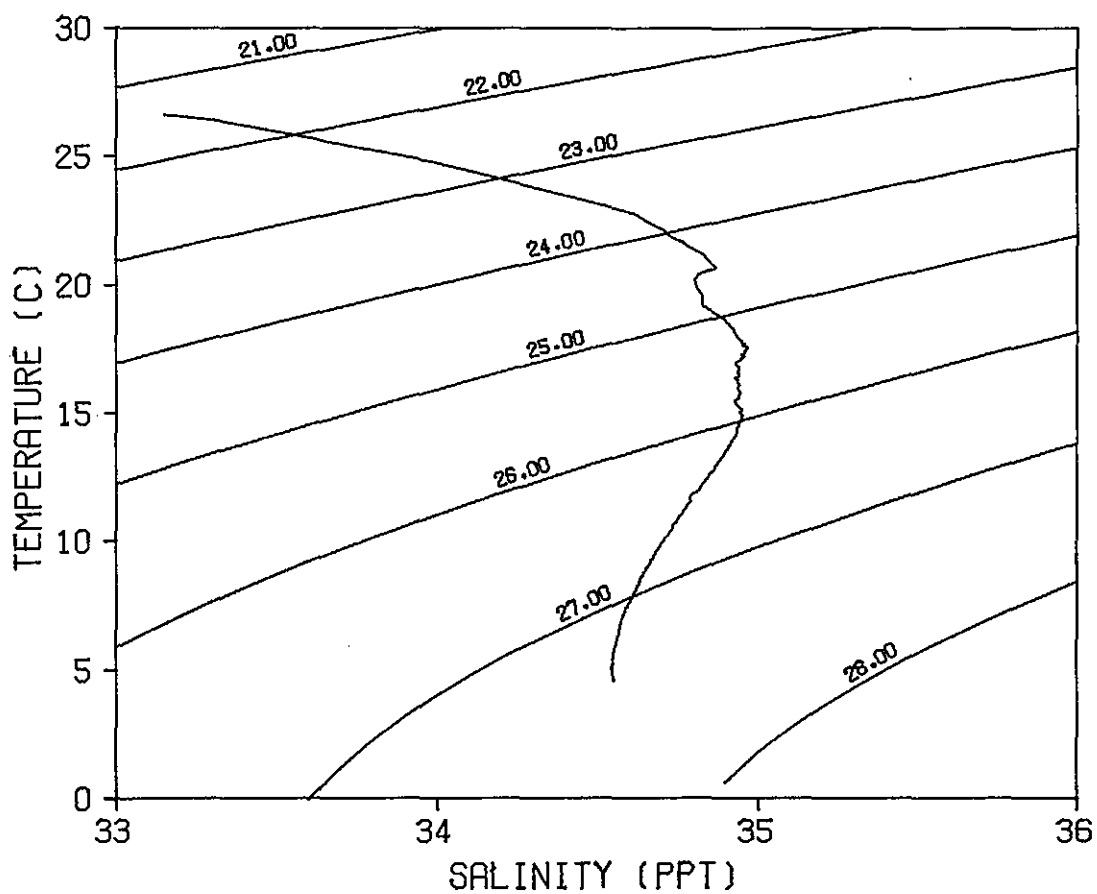
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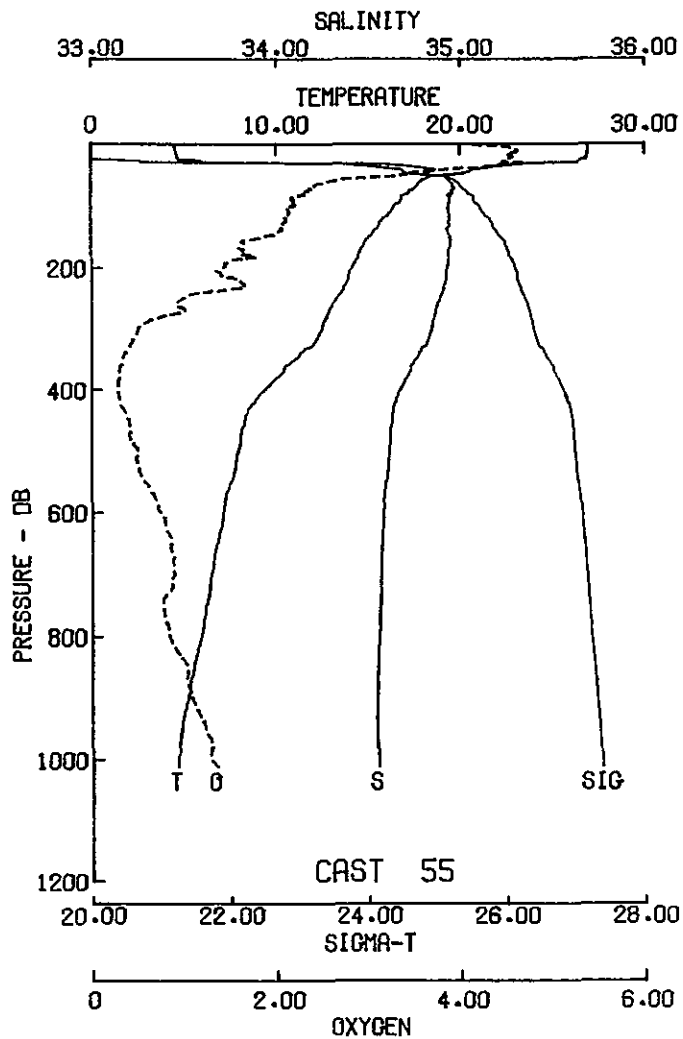


CAST EP3-81-DC-054 DATE 20 JUN 81 TIME 2107 GMT
 LAT 02 29.9N LONG 084 59.9W WEATHER 1 SEA STATE 3
 BARUMETER 12 WIND DIR 220 T SPD 11 KT VISIBILITY 8
 CLOUD 3 AMOUNT 2 DRY 26.4 WET 23.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	DOXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.238	33.374	4.41	21.438	0.000
2.	26.979	33.362	4.49	21.512	
10.	26.468	33.350	4.53	21.664	.062
20.	26.425	33.352	4.55	21.679	.124
30.	26.389	33.381	4.55	21.712	.185
40.	24.571	33.407	4.58	22.790	.244
50.	19.277	33.489	3.50	24.888	.281
60.	18.113	33.497	2.56	25.234	.310
70.	17.523	33.496	2.43	25.380	.337
80.	17.208	33.498	2.27	25.469	.363
90.	16.578	33.496	2.16	25.606	.388
100.	16.054	33.498	2.13	25.735	.412
110.	15.742	33.498	2.05	25.809	.434
120.	15.676	33.498	2.05	25.825	.456
130.	15.646	33.497	2.07	25.829	.479
140.	15.583	33.497	2.07	25.843	.501
150.	15.211	33.496	2.08	25.915	.523
160.	15.069	33.496	2.09	25.946	.544
170.	14.951	33.496	2.09	25.972	.565
180.	14.870	33.496	2.09	25.990	.586
190.	14.782	33.496	2.06	26.011	.607
200.	14.573	33.497	2.03	26.060	.627
250.	13.640	33.493	1.33	26.230	.724
300.	12.476	33.486	.85	26.409	.813
350.	10.700	33.477	.33	26.671	.892
400.	9.164	33.469	.38	26.870	.960
450.	8.346	33.466	.37	26.974	1.021
500.	7.851	33.463	.59	27.031	1.078
550.	7.382	33.461	.69	27.085	1.133
600.	6.995	33.460	.78	27.129	1.186
650.	6.616	33.460	.78	27.177	1.237
700.	6.283	33.459	.82	27.216	1.286
750.	6.062	33.458	1.07	27.237	1.333
800.	5.572	33.457	1.20	27.293	1.379
850.	5.321	33.457	1.39	27.322	1.423
900.	5.115	33.457	1.45	27.345	1.466
950.	4.953	33.457	1.51	27.363	1.508
1000.	4.691	33.457	1.50	27.396	1.548
1003.	4.687	33.457	1.47	27.397	

CAST EP3-81-0C-055 DATE 21 JUN 81 TIME 0743 GMT
LAT 02 56.3N LONG 085 00.7W





CAST EP3-81-OC-055 DATE 21 JUN 81 TIME 0743 GMT
 LAT 02 56.3N LONG 085 00.7W WEATHER 6 SEA STATE 3
 BAROMETER 14 WIND DIR 240 T SPD 07 KT VISIBILITY 6
 CLOUD 5 AMOUNT 8 DRY 24.5 WET 23.9 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.933	32.916	4.07	21.142	0.000
1.	26.934	32.920	4.16	21.194	
10.	26.952	32.964	4.61	21.221	.066
20.	26.875	32.965	4.58	21.246	.132
30.	24.763	33.993	4.71	22.672	.195
40.	20.969	34.847	3.90	24.404	.235
50.	19.195	34.829	3.36	24.858	.269
60.	17.867	34.945	2.57	25.280	.298
70.	17.584	34.970	2.38	25.368	.324
80.	17.095	34.948	2.28	25.469	.350
90.	16.801	34.942	2.19	25.533	.375
100.	16.439	34.940	2.17	25.617	.400
110.	16.205	34.938	2.15	25.670	.424
120.	15.810	34.946	2.11	25.766	.447
130.	15.616	34.942	2.06	25.807	.469
140.	15.355	34.932	2.04	25.858	.492
150.	15.085	34.952	1.86	25.933	.513
160.	14.825	34.950	1.65	25.989	.534
170.	14.657	34.945	1.65	26.021	.555
180.	14.505	34.939	1.73	26.049	.575
190.	14.289	34.934	1.47	26.092	.595
200.	14.126	34.929	1.41	26.123	.615
250.	13.285	34.890	.98	26.267	.710
300.	12.481	34.846	.51	26.394	.798
350.	11.044	34.764	.33	26.602	.880
400.	9.354	34.676	.29	26.826	.951
450.	8.304	34.630	.41	26.957	1.012
500.	7.965	34.616	.51	26.998	1.071
550.	7.561	34.598	.57	27.043	1.128
600.	7.090	34.581	.74	27.096	1.182
650.	6.793	34.572	.85	27.131	1.235
700.	6.478	34.568	.89	27.170	1.286
750.	6.174	34.564	.77	27.207	1.336
800.	5.925	34.559	.84	27.235	1.384
850.	5.520	34.551	1.03	27.279	1.431
900.	5.206	34.549	1.09	27.315	1.475
950.	4.872	34.550	1.23	27.354	1.518
1000.	4.630	34.552	1.29	27.384	1.559
1011.	4.612	34.552	1.35	27.385	

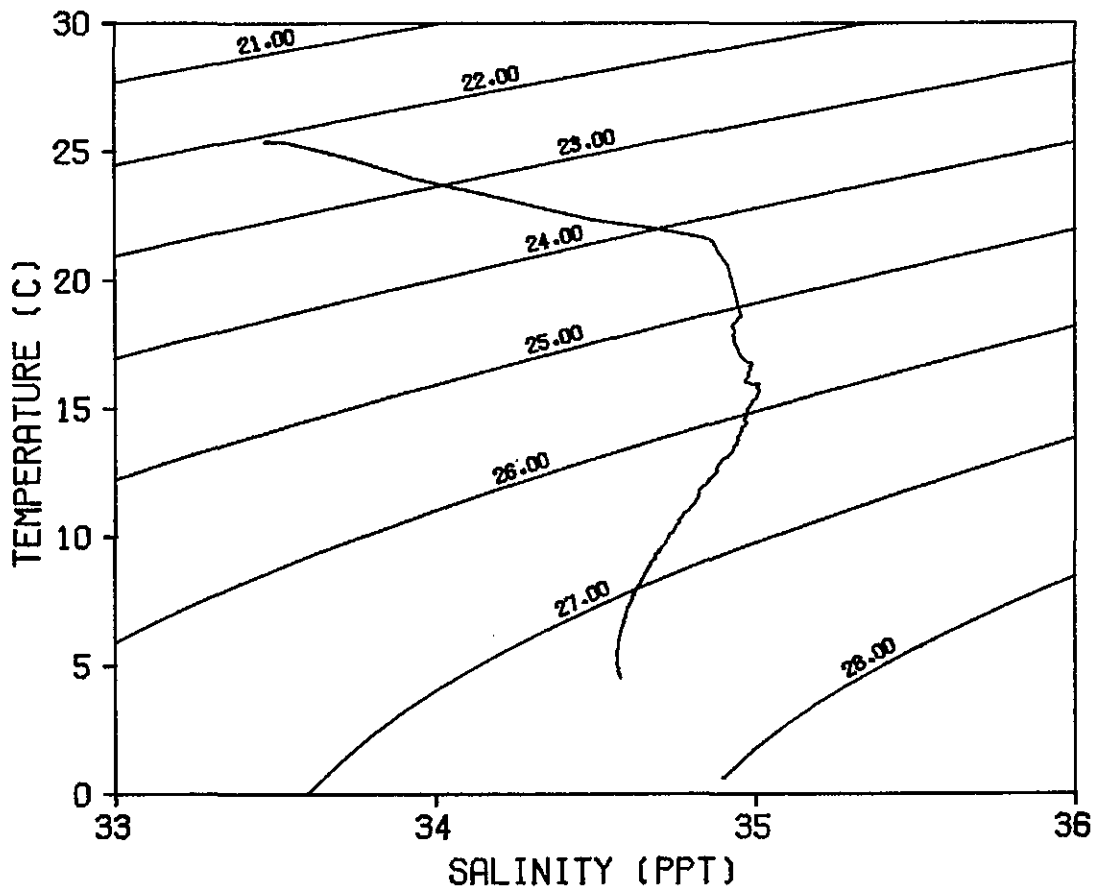


EP4-81-0C

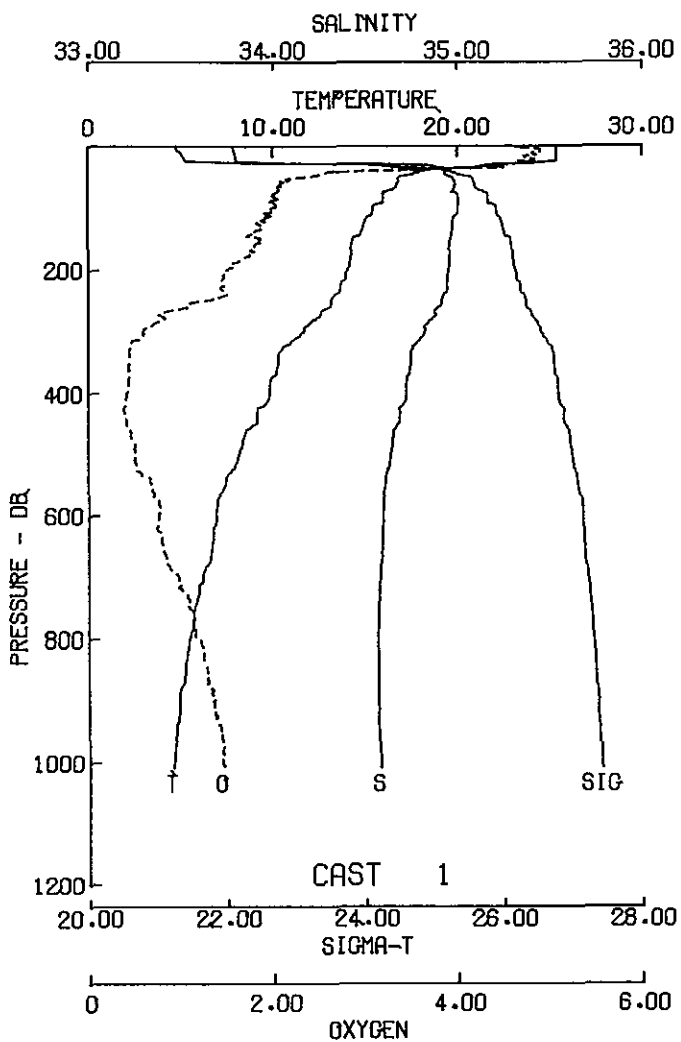
27 June - 29 July 1981

NBIS CTD/O₂ Data Summary

CAST EP4-81-0C-001 DATE 01 JUL 81 TIME 1658 GMT
LAT 00 02.3N LONG 085 02.0W

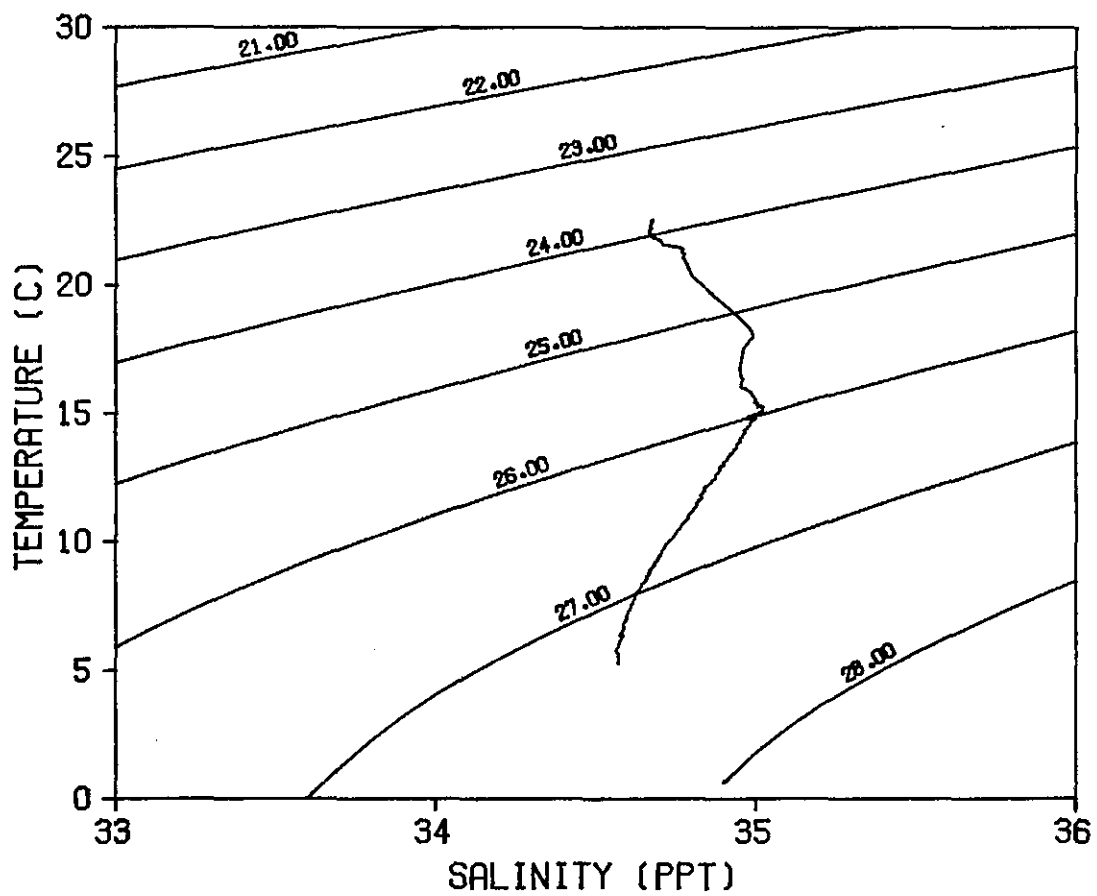


CAST EP4-81-DC-001 DATE 01 JUL 81 TIME 1658 GMT
 LAT 00 02.3N LONG 085 02.0W WEATHER 2 SEA STATE 2
 BAROMETER 15 WIND DIR 140 T SPD 08 KT VISIBILITY 7
 CLOUD 8 AMOUNT 8 DRY 23.1 WET 20.0 DEPTH M

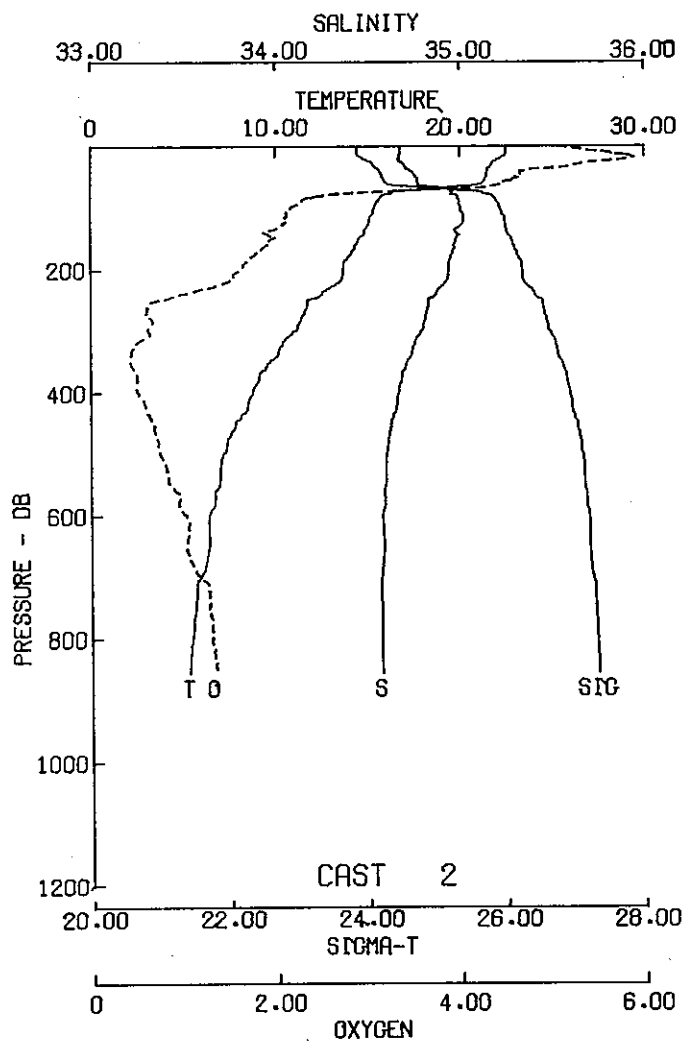


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.386	33.477	4.72	22.094	0.000
10.	25.387	33.498	4.87	22.110	.057
20.	25.386	33.518	4.76	22.125	.115
30.	22.006	34.689	4.61	23.999	.168
40.	18.231	34.929	3.23	25.177	.201
50.	16.878	34.969	2.38	25.536	.228
60.	16.751	34.988	2.05	25.581	.252
70.	16.536	34.984	2.08	25.628	.276
80.	15.966	35.002	2.02	25.774	.299
90.	15.976	35.010	1.99	25.778	.322
100.	15.433	35.004	1.98	25.696	.344
110.	15.369	35.000	1.91	25.907	.365
120.	15.022	34.977	1.88	25.966	.386
130.	14.903	34.975	1.87	25.991	.407
140.	14.783	34.972	1.80	26.015	.427
150.	14.365	34.966	1.87	26.101	.447
160.	14.266	34.959	1.81	26.116	.467
170.	14.214	34.958	1.79	26.126	.486
180.	14.194	34.957	1.68	26.130	.506
190.	14.140	34.956	1.55	26.141	.525
200.	14.033	34.951	1.48	26.159	.544
250.	13.133	34.914	1.26	26.317	.637
300.	11.674	34.823	.59	26.532	.722
350.	10.265	34.746	.44	26.726	.795
400.	9.802	34.723	.42	26.788	.864
450.	9.067	34.681	.41	26.877	.929
500.	8.138	34.638	.51	26.989	.989
550.	7.407	34.609	.68	27.074	1.045
600.	6.867	34.593	.75	27.137	1.098
650.	6.648	34.586	.80	27.163	1.149
700.	6.177	34.577	.96	27.217	1.198
750.	5.717	34.569	1.08	27.269	1.245
800.	5.433	34.568	1.20	27.303	1.290
850.	5.215	34.569	1.28	27.330	1.333
900.	4.906	34.570	1.34	27.367	1.375
950.	4.741	34.571	1.45	27.386	1.415
1000.	4.553	34.577	1.44	27.412	1.455
1009.	4.527	34.577	1.45	27.415	

CAST EP4-81-0C-002 DATE 02 JUL 81 TIME 1316 GMT
LAT 00 00.6N LONG 090 00.8W



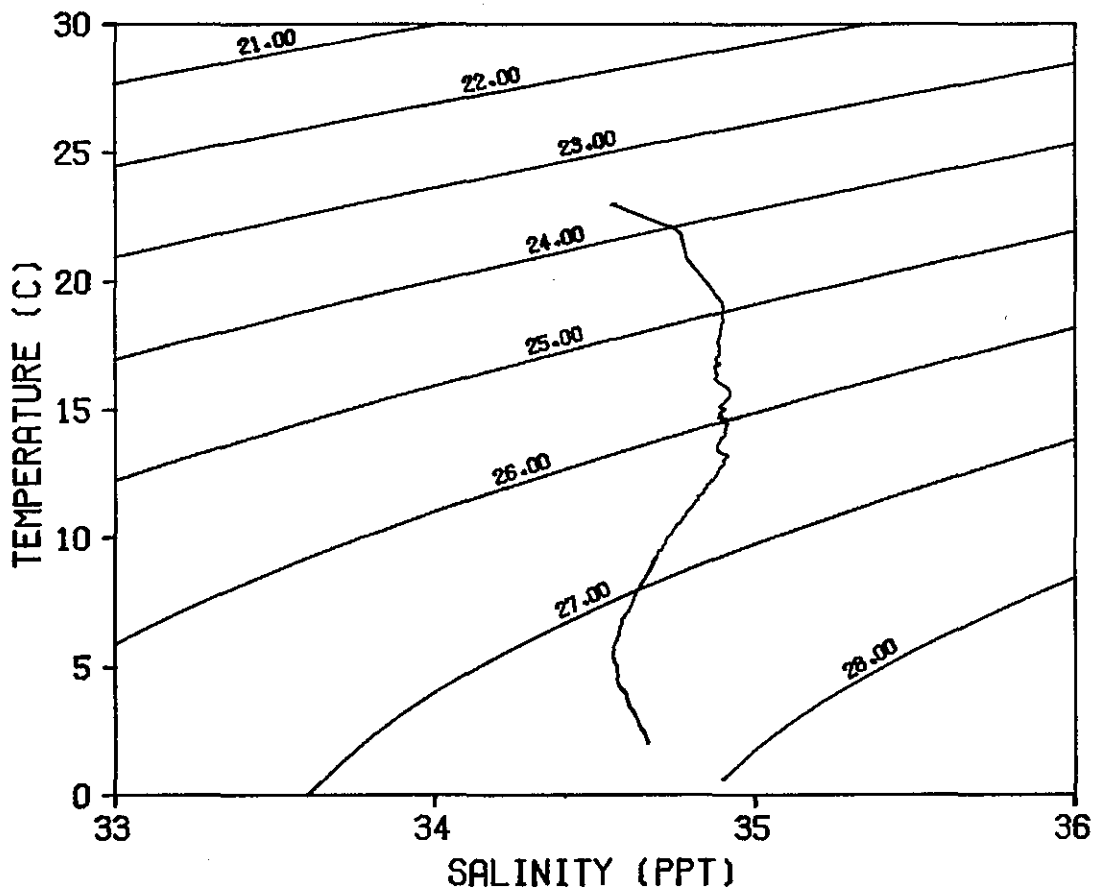
CAST EP4-81-DC-002 DATE 02 JUL 81 TIME 1916 GMT
 LAT 30 00.6N LONG 090 00.8W WEATHER 2 SEA STATE 3
 BARMETER 14 WIND DIR 170 T SPD 12 KT VISIBILITY 7
 CLOUD 6 AMOUNT 7 DRY 20.6 WET 19.5 DEPTH M



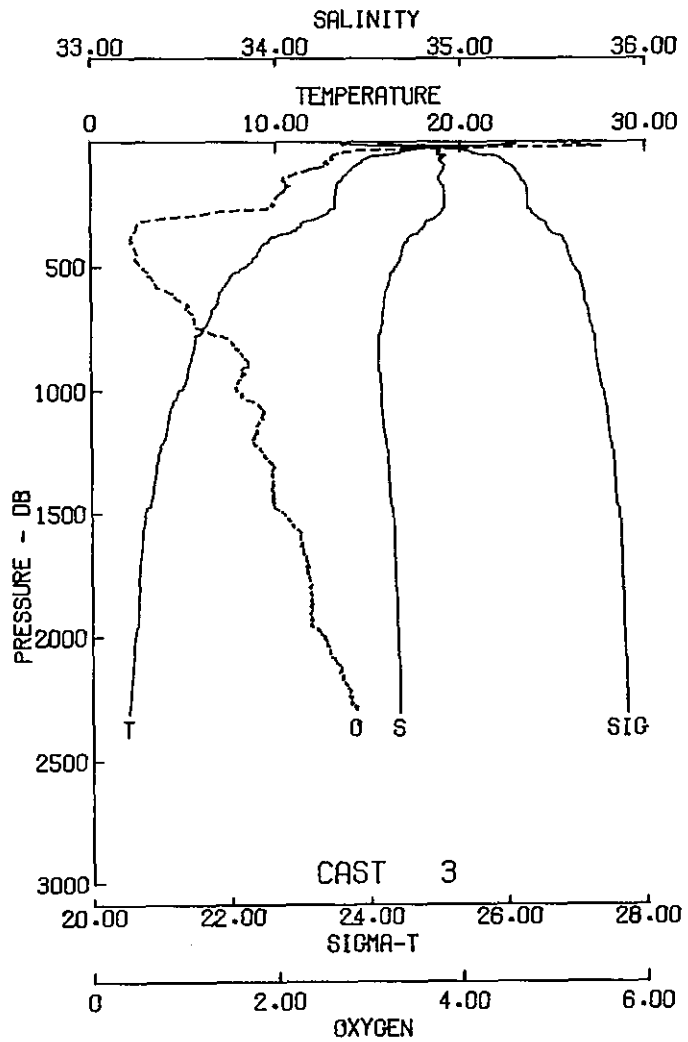
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.504	34.675	5.07	23.847	0.000
10.	22.507	34.675	5.63	23.847	.041
20.	22.122	34.665	5.84	23.947	.081
30.	21.740	34.698	5.29	24.079	.120
40.	21.502	34.731	4.70	24.170	.158
50.	21.440	34.761	4.61	24.210	.196
60.	21.228	34.777	4.49	24.280	.233
70.	18.016	34.993	3.58	25.279	.265
80.	15.758	34.988	2.46	25.810	.289
90.	15.505	34.998	2.26	25.875	.311
100.	15.350	35.005	2.16	25.915	.333
110.	15.227	35.022	2.12	25.955	.354
120.	15.074	35.020	2.09	25.988	.374
130.	14.956	34.998	2.04	25.997	.395
140.	14.795	34.983	1.88	26.021	.415
150.	14.499	34.977	1.95	26.080	.436
160.	14.333	34.964	1.91	26.106	.455
170.	14.114	34.962	1.83	26.150	.475
180.	13.920	34.951	1.72	26.183	.494
190.	13.667	34.940	1.66	26.228	.512
200.	13.628	34.938	1.60	26.234	.531
250.	11.703	34.827	.72	26.529	.619
300.	10.963	34.785	.61	26.633	.696
350.	9.678	34.712	.47	26.801	.766
400.	8.727	34.666	.30	26.919	.829
450.	7.794	34.623	.67	27.029	.888
500.	7.115	34.598	.74	27.107	.943
550.	6.916	34.594	.86	27.131	.994
600.	6.352	34.576	1.02	27.193	1.044
650.	6.344	34.585	1.02	27.201	1.092
700.	5.884	34.569	1.17	27.247	1.140
750.	5.600	34.570	1.26	27.284	1.185
800.	5.402	34.570	1.30	27.308	1.229
850.	5.269	34.571	1.34	27.325	1.272
855.	5.269	34.571	1.33	27.325	

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CAST EP4-81-0C-003 DATE 04 JUL 81 TIME 1745 GMT
LAT 0 00.9S LONG 094 59.1W



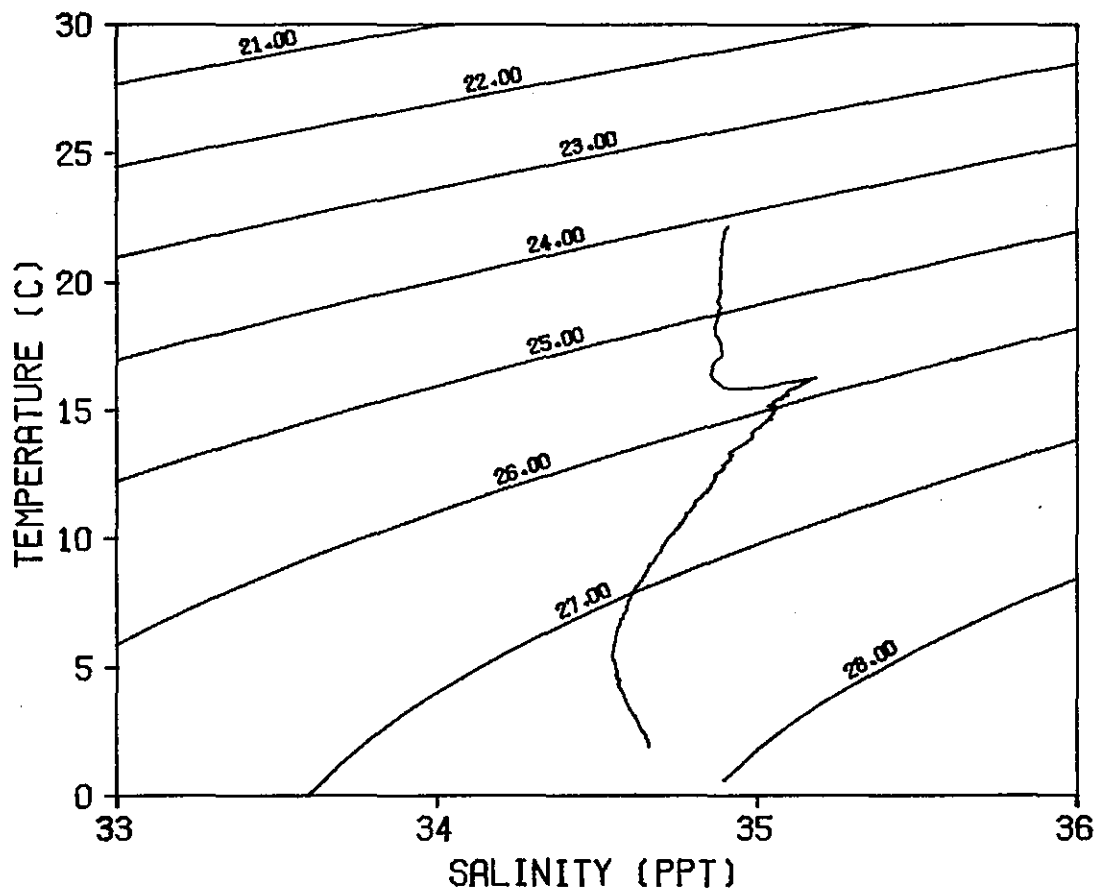
CAST EP4-81-DC-003 DATE 04 JUL 81 TIME 1745 GMT
 LAT 0 00.9S LONG 094 59.1W WEATHER 2 SEA STATE 3
 BAROMETER 16 WIND DIR 180 T SPD 08 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 23.5 WET 20.6 DEPTH M



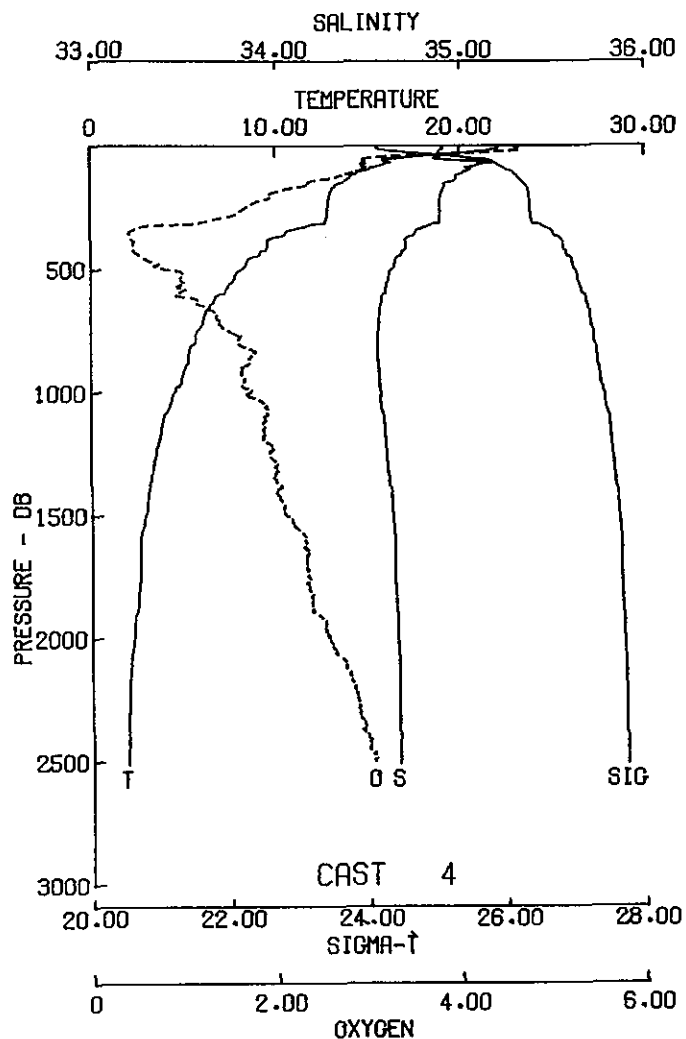
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.986	34.552	4.98	23.617	0.000
10.	22.921	34.568	5.24	23.647	.043
20.	19.030	34.901	5.03	24.955	.080
30.	17.367	34.888	3.34	25.358	.109
40.	16.850	34.884	2.76	25.478	.134
50.	16.307	34.880	2.62	25.601	.159
60.	15.191	34.894	2.60	25.865	.182
70.	14.911	34.894	2.62	25.926	.203
80.	14.691	34.892	2.54	25.773	.224
90.	14.550	34.907	2.56	26.016	.244
100.	14.288	34.911	2.50	26.074	.264
110.	14.100	34.906	2.37	26.111	.284
120.	13.969	34.899	2.31	26.133	.303
130.	13.813	34.892	2.21	26.160	.322
140.	13.652	34.884	2.14	26.187	.341
150.	13.555	34.880	2.07	26.204	.360
160.	13.395	34.886	2.07	26.242	.378
170.	13.316	34.893	2.11	26.264	.397
180.	13.264	34.907	2.14	26.285	.415
190.	13.244	34.911	2.08	26.292	.433
200.	13.227	34.911	2.07	26.296	.450
250.	13.202	34.915	1.98	26.303	.540
300.	12.389	34.873	.97	26.433	.628
350.	11.159	34.798	.49	26.607	.707
400.	9.557	34.708	.43	26.817	.777
450.	8.988	34.678	.50	26.888	.841
500.	8.368	34.650	.55	26.963	.903
550.	7.495	34.615	.66	27.066	.960
600.	7.047	34.595	.83	27.114	1.013
650.	6.798	34.580	1.02	27.137	1.065
700.	6.461	34.574	1.10	27.177	1.116
750.	6.039	34.566	1.16	27.226	1.165
800.	5.616	34.555	1.50	27.270	1.211
850.	5.492	34.553	1.61	27.284	1.257
900.	5.305	34.556	1.71	27.309	1.302
950.	5.121	34.561	1.61	27.334	1.345
1000.	4.708	34.566	1.56	27.386	1.387
1500.	2.910	34.628	2.07	27.618	1.733
2000.	2.312	34.654	2.52	27.691	2.006
2307.	1.989	34.662	2.86	27.724	

529

CAST EP4-81-0C-004 DATE 05 JUL 81 TIME 1536 GMT
LAT 00 01.6N LONG 099 58.2W



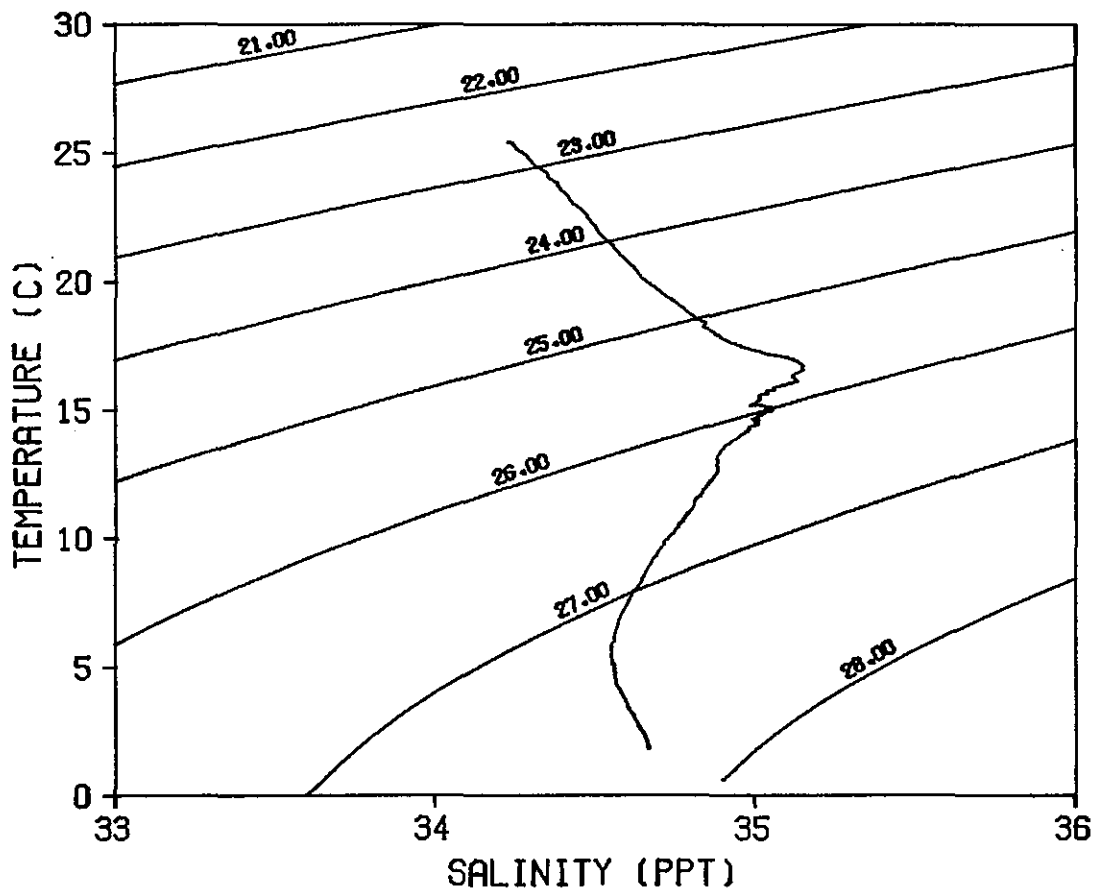
CAST EP4-81-DC-004 DATE 05 JUL 81 TIME 1536 GMT
 LAT 00 01.6N LONG 099 58.2W WEATHER 2 SEA STATE 2
 BARMETER 16 WIND DIR 100 T SPD 14 KT VISIBILITY 8
 CLOUD 6 AMOUNT 7 DRY 22.6 WET 20 1 DEPTH M



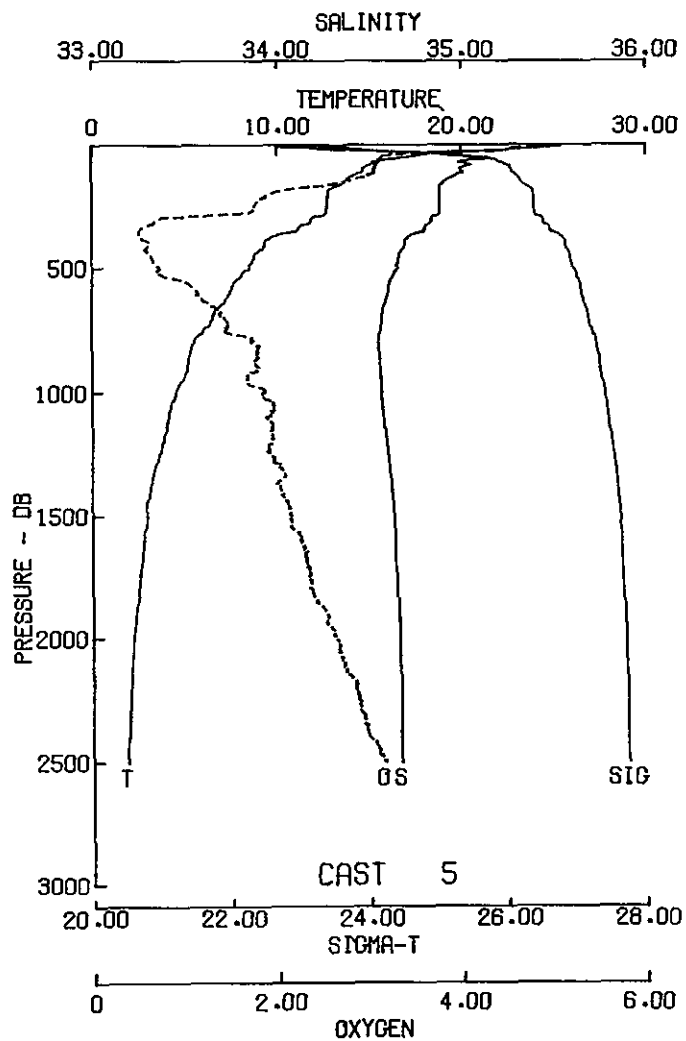
PRES (DB)	TEMP (C)	SAL (PPT)	UXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	22.136	34.910	4.77	24.129	0.000
10.	22.086	34.908	4.66	24.142	.038
20.	21.357	34.893	4.57	24.332	.075
30.	19.753	34.886	4.11	24.757	.109
40.	18.189	34.870	3.41	25.143	.140
50.	16.721	34.861	2.99	25.490	.166
60.	15.890	35.014	2.97	25.800	.189
70.	16.213	35.172	2.94	25.847	.211
80.	15.698	35.096	2.95	25.907	.233
90.	15.169	35.034	2.96	25.978	.254
100.	14.965	35.052	2.94	26.037	.274
110.	14.486	35.021	2.85	26.117	.294
120.	14.146	34.985	2.74	26.162	.313
130.	14.049	34.985	2.64	26.182	.332
140.	13.848	34.976	2.43	26.218	.351
150.	13.508	34.933	2.36	26.255	.369
160.	13.267	34.921	2.35	26.295	.387
170.	13.117	34.917	2.21	26.322	.405
180.	13.038	34.910	2.07	26.333	.422
190.	12.983	34.905	1.97	26.340	.440
200.	12.948	34.900	1.94	26.343	.457
250.	12.840	34.895	1.68	26.361	.544
300.	12.745	34.894	1.32	26.379	.631
350.	10.585	34.762	.43	26.683	.711
400.	9.520	34.702	.46	26.820	.779
450.	8.762	34.661	.54	26.910	.844
500.	8.135	34.628	.81	26.981	.904
550.	7.657	34.606	.98	27.036	.961
600.	7.143	34.591	.94	27.097	1.016
650.	6.415	34.565	1.24	27.176	1.067
700.	6.087	34.550	1.36	27.214	1.115
750.	5.752	34.553	1.49	27.252	1.163
800.	5.634	34.553	1.60	27.267	1.209
850.	5.267	34.552	1.75	27.310	1.253
900.	5.091	34.558	1.63	27.335	1.296
950.	4.898	34.561	1.66	27.360	1.338
1000.	4.527	34.569	1.73	27.406	1.379
1500.	2.883	34.628	2.10	27.621	1.710
2000.	2.266	34.655	2.58	27.695	1.980
2500.	1.895	34.662	3.06	27.731	2.221
2509.	1.894	34.662	3.07	27.731	

531

CAST EP4-81-0C-005 DATE 06 JUL 81 TIME 1433 GMT
LAT 0 00.2S LONG 105 01.1W

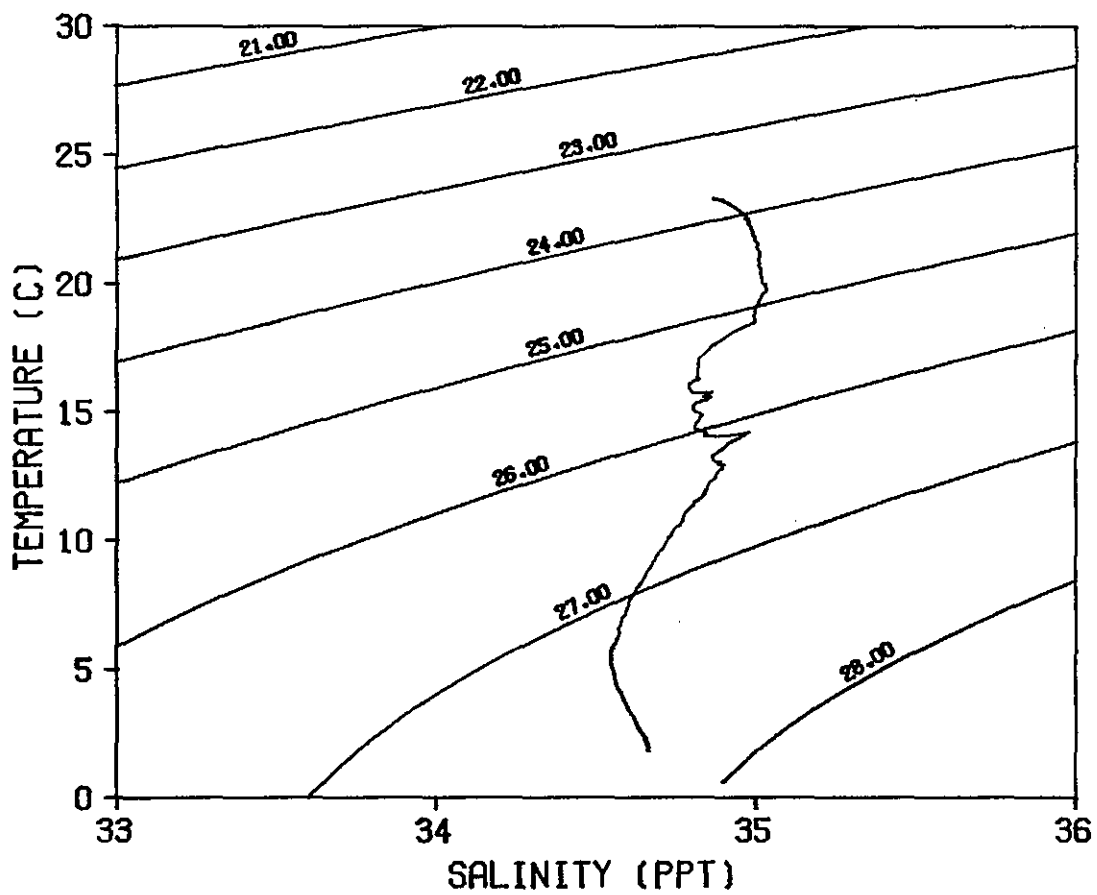


CAST EP4-81-DC-005 DATE 06 JUL 81 TIME 1433 GMT
 LAT 0 00.2S LONG 105 01.1W WEATHER 1 SEA STATE 3
 BARMETER 13 WIND DIR 110 T SPD 11 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 DRY 23.0 WET 20.0 DEPTH M

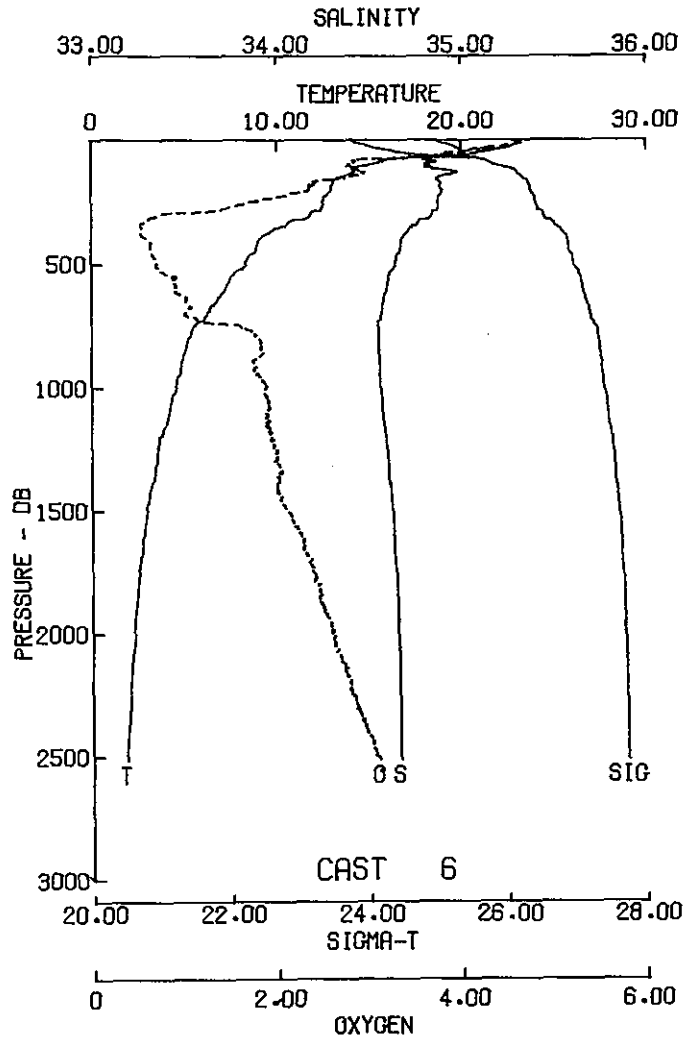


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.468	34.223	4.71	22.631	0.000
4.	25.420	34.231	4.77	22.651	
10.	24.561	34.309	4.85	22.971	.052
20.	22.660	34.467	4.43	23.646	.097
30.	19.194	34.753	3.80	24.800	.135
40.	17.880	34.892	3.26	25.236	.164
50.	17.043	34.9104	3.12	25.601	.190
60.	15.895	34.9061	3.11	25.835	.213
70.	15.304	34.9003	3.10	25.924	.234
80.	15.137	34.9044	3.07	25.993	.255
90.	14.826	34.9018	3.07	26.041	.275
100.	14.651	34.9096	3.05	26.062	.295
110.	14.636	34.9012	3.04	26.078	.315
120.	14.340	34.984	3.02	26.120	.335
130.	14.088	34.959	2.96	26.154	.354
140.	13.854	34.935	2.84	26.184	.373
150.	13.658	34.911	2.73	26.207	.391
160.	13.427	34.891	2.69	26.239	.410
170.	13.120	34.881	2.67	26.294	.428
180.	12.853	34.882	2.66	26.348	.445
190.	12.744	34.883	2.60	26.371	.463
200.	12.723	34.882	2.63	26.375	.480
250.	12.671	34.882	2.74	26.385	.565
300.	11.843	34.837	2.72	26.511	.650
350.	11.068	34.797	2.51	26.624	.728
400.	9.332	34.693	2.59	26.843	.796
450.	8.778	34.663	2.64	26.909	.860
500.	8.471	34.650	2.72	26.947	.921
550.	7.747	34.613	2.97	27.027	.980
600.	7.428	34.599	3.14	27.063	1.036
650.	6.932	34.579	3.28	27.117	1.090
700.	6.498	34.566	3.42	27.166	1.141
750.	6.007	34.560	3.55	27.225	1.191
800.	5.504	34.549	3.75	27.279	1.237
850.	5.237	34.551	3.76	27.313	1.281
900.	5.119	34.556	3.78	27.331	1.324
950.	4.874	34.558	3.86	27.361	1.366
1000.	4.490	34.565	3.89	27.409	1.406
1500.	2.895	34.628	2.14	27.620	1.741
2000.	2.171	34.659	2.62	27.707	2.010
2500.	1.820	34.666	3.15	27.740	2.249
2503.	1.819	34.666	3.15	27.740	

CAST EP4-81-0C-006 DATE 07 JUL 81 TIME 1508 GMT
LAT 00 31.6N LONG 110 32.6W

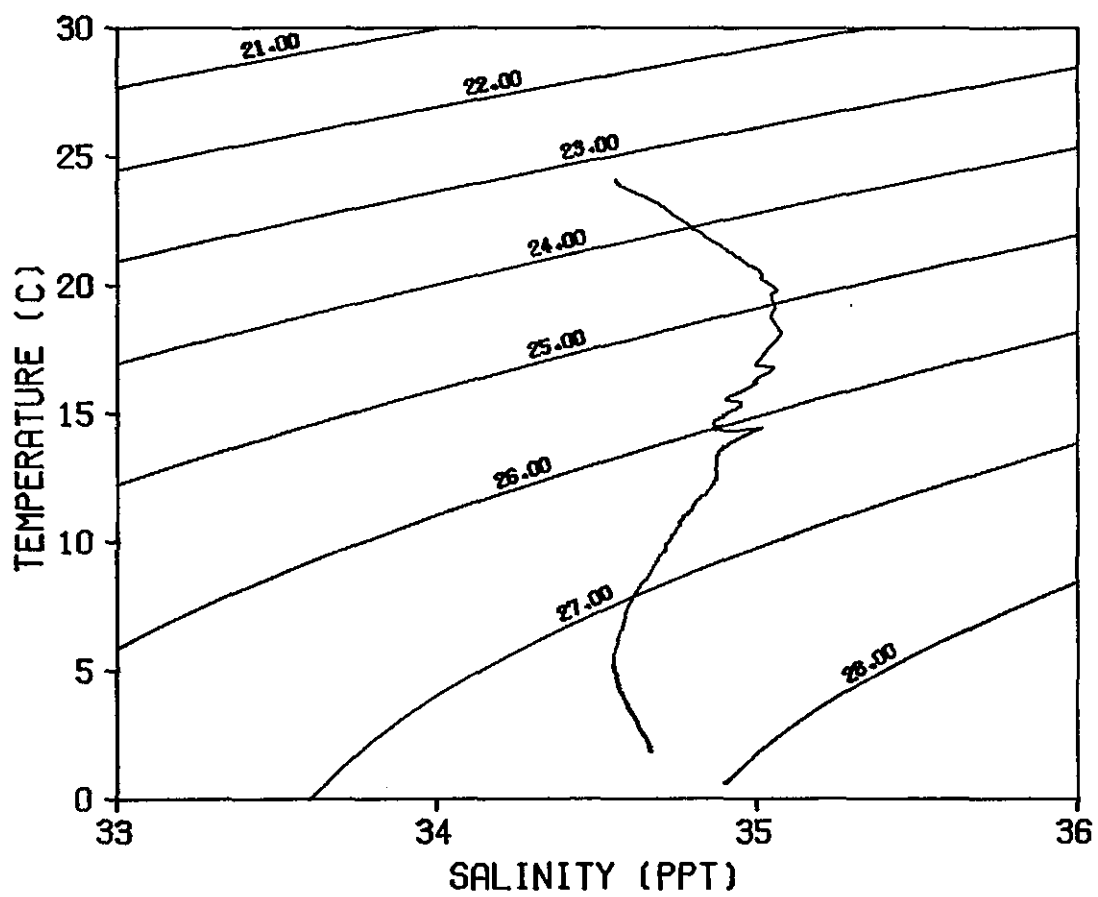


CAST EP4-81-DC-006 DATE 07 JUL 81 TIME 1508 GMT
 LAT 00 31.6N LONG 110 32.6W WEATHER 1 SEA STATE 5
 BAROMETER 12 WIND DIR 140 T SPD 16 KT VISIBILITY 8
 CLOUD 8 AMOUNT 1 DRY 23.1 WET 21.3 DEPTH M

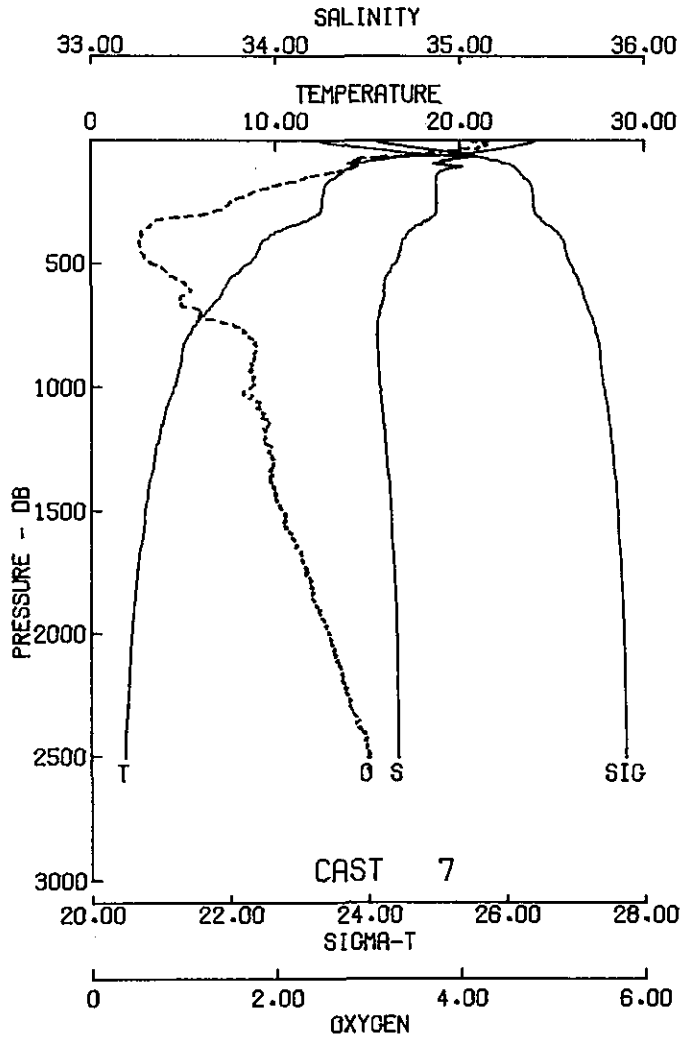


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	23.300	34.865	4.61	23.763	0.000
1.	23.299	34.867	4.63	23.765	
10.	23.267	34.889	4.62	23.790	.041
20.	22.885	34.943	4.52	23.941	.082
30.	22.528	34.977	4.31	24.069	.121
40.	21.885	34.991	4.15	24.261	.159
50.	21.187	35.013	4.02	24.471	.195
60.	20.389	35.017	3.76	24.689	.229
70.	18.169	34.935	3.48	25.197	.260
80.	15.976	34.790	3.90	25.609	.285
90.	15.568	34.847	3.65	25.745	.308
100.	15.172	34.803	3.79	25.799	.331
110.	14.451	34.810	3.82	25.962	.352
120.	14.093	34.889	3.86	26.099	.372
130.	14.228	34.976	3.92	26.137	.392
140.	13.990	34.944	3.92	26.163	.411
150.	13.518	34.887	3.76	26.217	.430
160.	13.173	34.866	3.55	26.272	.448
170.	13.078	34.888	3.40	26.308	.466
180.	13.027	34.890	3.40	26.320	.483
190.	12.974	34.887	3.36	26.328	.501
200.	12.977	34.897	3.36	26.335	.519
250.	12.532	34.875	3.71	26.407	.604
300.	11.827	34.839	.77	26.515	.687
350.	10.197	34.734	.54	26.730	.763
400.	9.101	34.679	.60	26.870	.829
450.	8.874	34.668	.65	26.898	.892
500.	8.332	34.642	.70	26.963	.953
550.	7.569	34.602	.84	27.045	1.010
600.	7.257	34.595	.91	27.094	1.065
650.	6.762	34.577	1.02	27.139	1.118
700.	6.266	34.570	1.01	27.199	1.168
750.	5.562	34.549	1.59	27.272	1.216
800.	5.240	34.548	1.78	27.311	1.260
850.	5.045	34.551	1.84	27.336	1.303
900.	4.848	34.557	1.75	27.363	1.344
950.	4.738	34.559	1.81	27.377	1.385
1000.	4.550	34.562	1.89	27.400	1.425
1500.	2.949	34.625	2.11	27.612	1.765
2000.	2.257	34.655	2.60	27.696	2.035
2500.	1.829	34.665	3.08	27.738	2.277
2513.	1.819	34.665	3.11	27.739	

CAST EP4-81-0C-007 DATE 08 JUL 81 TIME 1940 GMT
LAT 00 37.1N LONG 109 34.9W

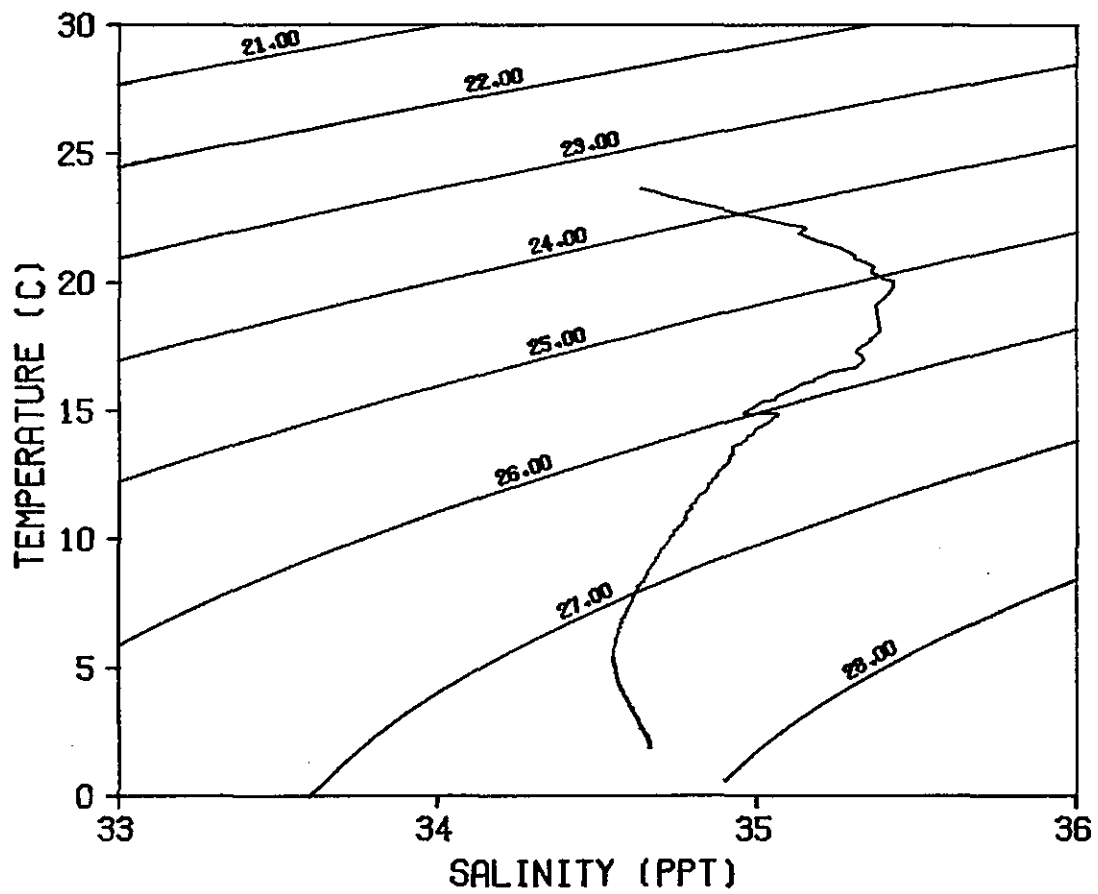


CAST EP4-81-DC-007 DATE 08 JUL 81 TIME 1940 GMT
 LAT 00 37.1N LONG 109 34.9W WEATHER 1 SEA STATE 4
 BARMETER 14 WIND DIR 140 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 4 DRY 26.1 WET 23.3 DEPTH M

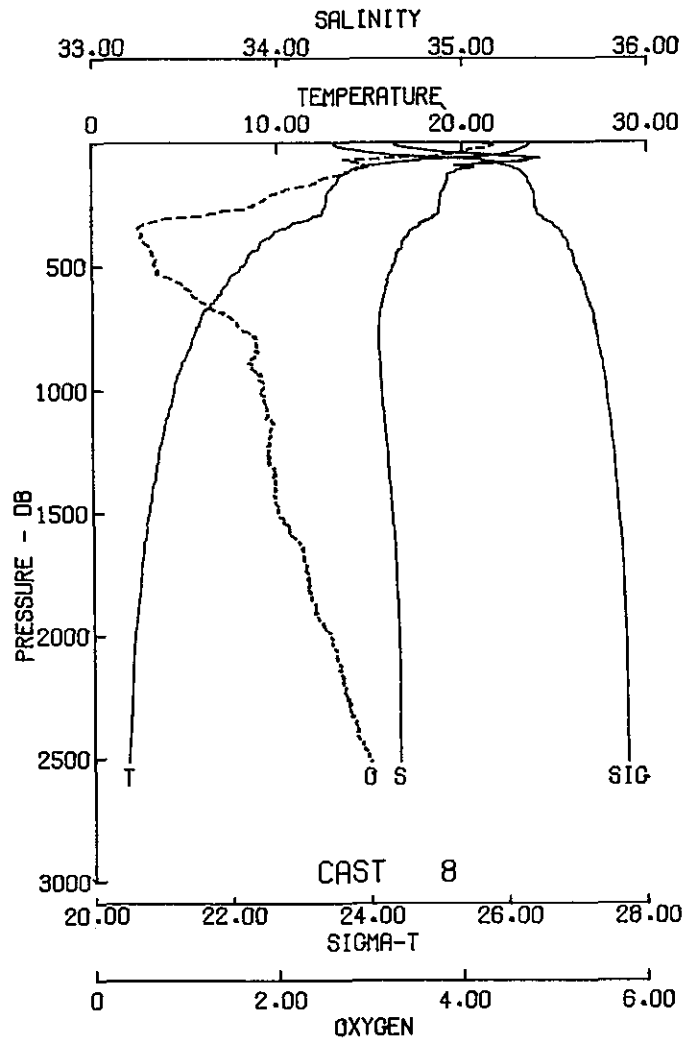


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.164	34.549	4.32	23.270	0.000
2.	24.088	34.554	4.32	23.297	
10.	23.824	34.579	4.24	23.393	.046
20.	23.219	34.680	4.29	23.646	.090
30.	22.531	34.760	4.21	23.904	.131
40.	21.597	34.874	3.91	24.252	.170
50.	20.788	34.971	3.71	24.547	.206
60.	19.307	35.051	3.50	24.998	.238
70.	16.583	35.036	3.12	25.657	.264
80.	15.657	34.910	2.91	25.773	.287
90.	14.901	34.891	2.86	25.927	.308
100.	14.349	34.916	2.80	26.065	.329
110.	14.305	34.986	2.84	26.130	.348
120.	13.854	34.917	2.78	26.171	.367
130.	13.612	34.890	2.62	26.200	.386
140.	13.415	34.876	2.48	26.230	.405
150.	13.266	34.871	2.34	26.257	.423
160.	12.986	34.871	2.27	26.314	.441
170.	12.834	34.870	2.15	26.343	.458
180.	12.713	34.872	2.04	26.368	.475
190.	12.645	34.873	1.95	26.383	.492
200.	12.621	34.873	1.83	26.387	.509
250.	12.544	34.875	1.51	26.404	.594
300.	12.377	34.869	1.23	26.432	.679
350.	10.708	34.756	.64	26.656	.758
400.	9.576	34.703	.51	26.811	.828
450.	9.084	34.679	.54	26.872	.892
500.	8.600	34.655	.64	26.931	.955
550.	7.795	34.609	.85	27.017	1.014
600.	7.233	34.588	1.05	27.082	1.070
650.	6.834	34.580	.96	27.131	1.123
700.	6.183	34.561	1.19	27.203	1.173
750.	5.653	34.548	1.53	27.260	1.220
800.	5.178	34.547	1.70	27.317	1.265
850.	4.930	34.552	1.78	27.349	1.307
900.	4.853	34.555	1.74	27.361	1.348
950.	4.679	34.559	1.75	27.383	1.389
1000.	4.491	34.566	1.73	27.410	1.429
1500.	2.914	34.625	2.07	27.615	1.762
2000.	2.198	34.657	2.57	27.702	2.031
2500.	1.839	34.665	2.99	27.738	2.271
2507.	1.840	34.665	3.00	27.737	

CAST EP4-81-0C-008 DATE 09 JUL 81 TIME 1042 GMT
LAT 0 02.7S LONG 109 32.6W



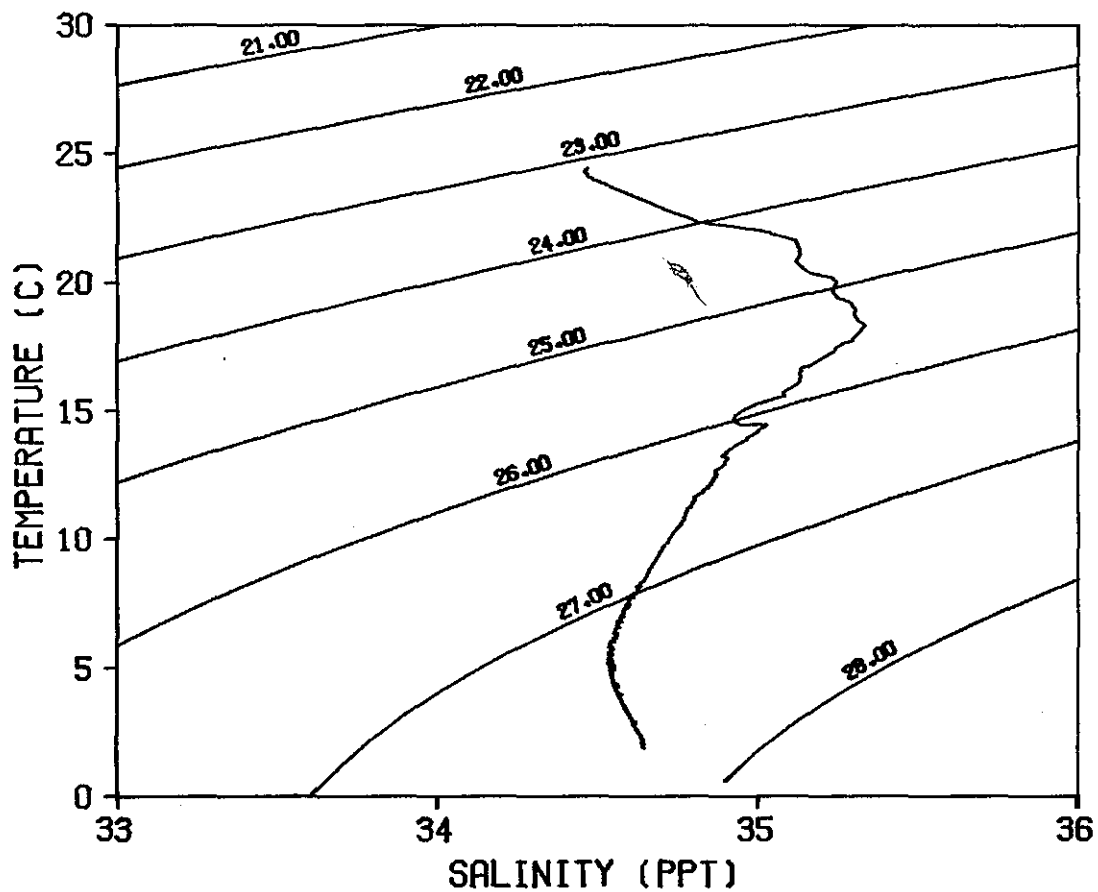
539



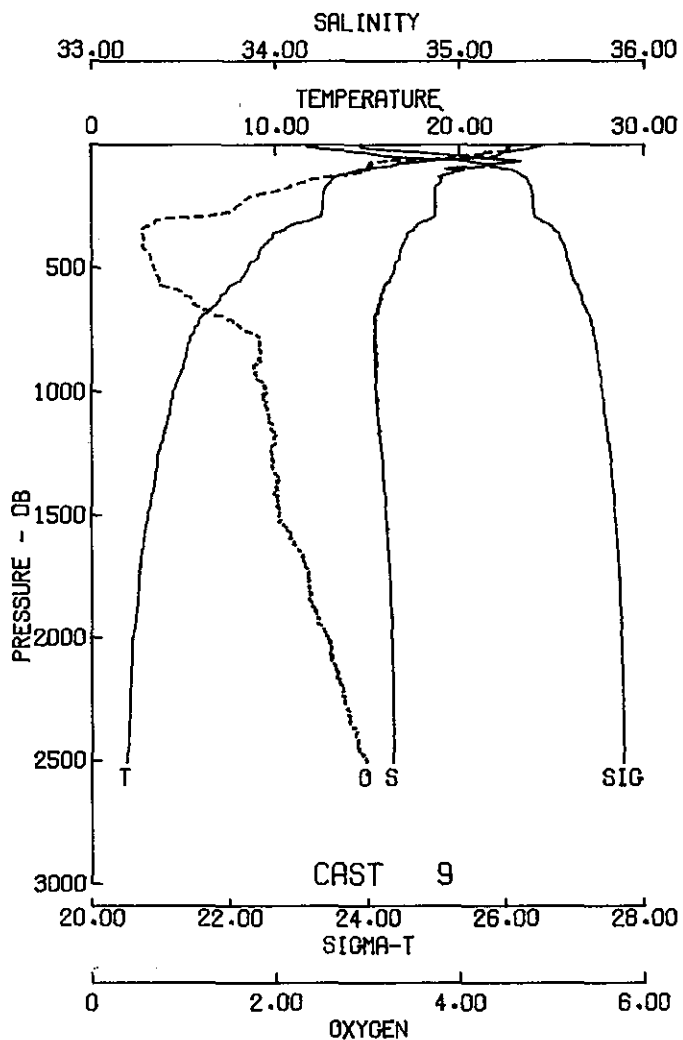
CAST EP4-81-DC-008 DATE 09 JUL 81 TIME 1042 GMT
 LAT 0 02.75 LONG 109 32.6W WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 140 T SPD 16 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 DRY 23.9 WET 22.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-O (DYN-M)
0.	23.644	34.634	4.24	23.488	0.000
10.	23.614	34.645	4.33	23.505	.044
20.	23.414	34.700	4.29	23.604	.088
30.	23.088	34.801	4.09	23.776	.130
40.	22.718	34.922	3.98	23.974	.171
50.	22.138	35.143	3.75	24.305	.209
60.	20.612	35.362	3.39	24.892	.242
70.	17.787	35.353	2.91	25.611	.270
80.	16.677	35.307	2.78	25.843	.293
90.	15.593	35.066	2.92	25.908	.315
100.	14.892	35.059	2.92	26.058	.335
110.	14.157	34.989	2.86	26.162	.355
120.	13.878	34.966	2.76	26.204	.374
130.	13.548	34.921	2.68	26.238	.392
140.	13.387	34.920	2.56	26.270	.410
150.	13.292	34.922	2.48	26.291	.428
160.	13.252	34.916	2.42	26.294	.446
170.	13.116	34.912	2.38	26.319	.464
180.	12.995	34.907	2.23	26.339	.481
190.	12.893	34.900	2.09	26.354	.499
200.	12.760	34.893	2.02	26.375	.516
250.	12.627	34.880	1.76	26.439	.601
300.	11.935	34.845	.99	26.499	.686
350.	10.154	34.736	.50	26.738	.761
400.	9.158	34.680	.55	26.862	.828
450.	8.524	34.649	.64	26.938	.891
500.	8.113	34.622	.70	26.980	.951
550.	7.453	34.600	.85	27.060	1.008
600.	6.957	34.581	1.07	27.115	1.062
650.	6.492	34.563	1.21	27.164	1.113
700.	5.902	34.553	1.46	27.233	1.162
750.	5.599	34.548	1.59	27.267	1.208
800.	5.355	34.547	1.77	27.296	1.253
850.	5.109	34.551	1.78	27.328	1.297
900.	4.787	34.556	1.72	27.369	1.338
950.	4.548	34.559	1.62	27.398	1.378
1000.	4.390	34.564	1.82	27.420	1.417
1500.	3.032	34.622	2.00	27.602	1.755
2000.	2.192	34.657	2.58	27.703	2.027
2500.	1.864	34.662	2.99	27.733	2.270
2513.	1.857	34.662	3.01	27.734	

CAST EP4-81-0C-009 DATE 11 JUL 81 TIME 0036 GMT
LAT 0 02.2S LONG 109 39.2W

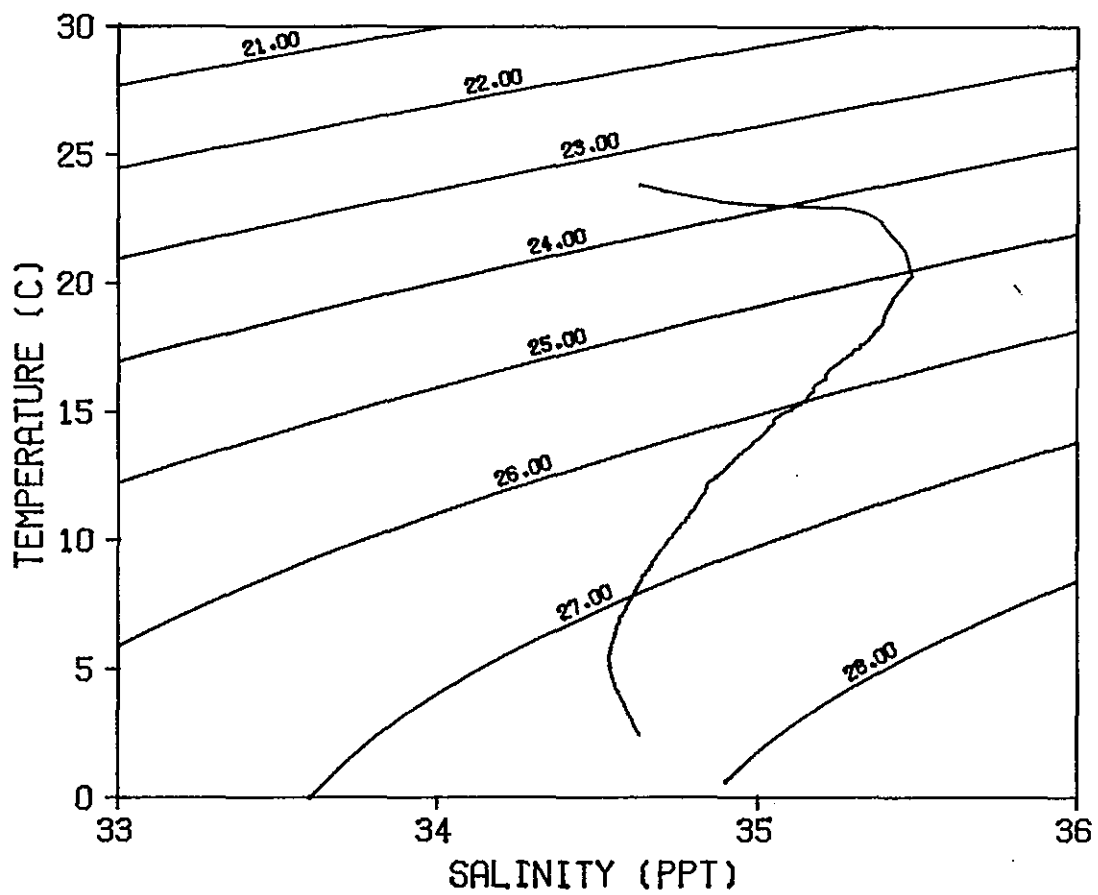


CAST EP4-81-0C-009 DATE 11 JUL 81 TIME 0036 GMT
 LAT 0 02.2S LONG 109 39.2W WEATHER 2 SEA STATE 4
 BARMETER 13 WIND DIR 140 T SPD 08 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 24.3 WET 22.3 DEPTH M

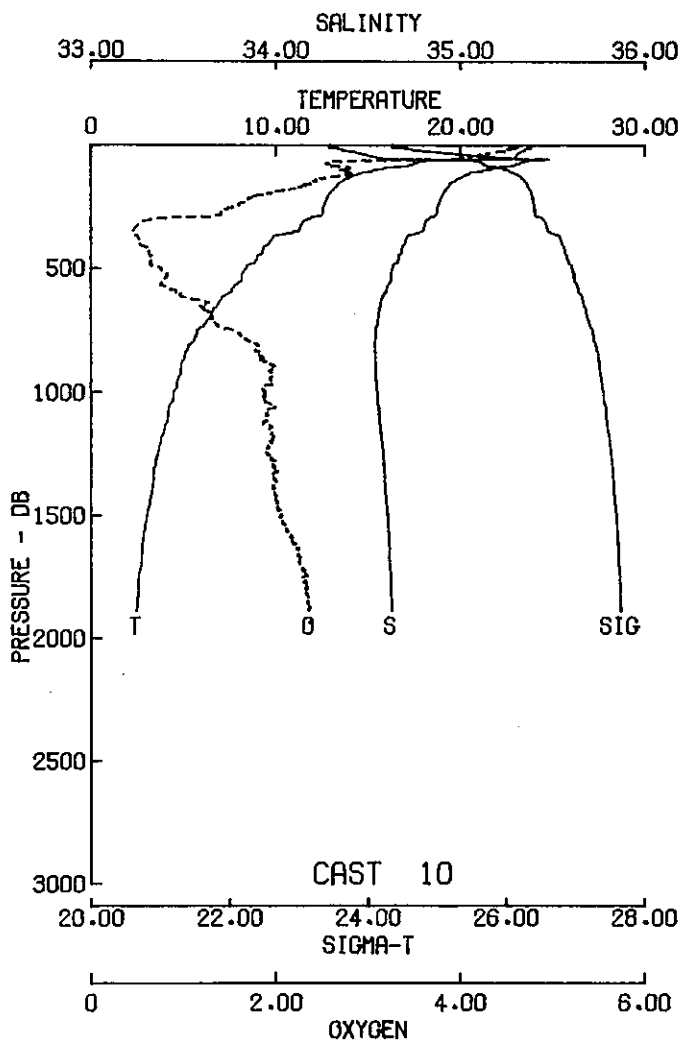


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.480	34.467	4.53	23.114	0.000
1.	24.442	34.466	4.533	23.125	
10.	24.129	34.470	4.536	23.221	.047
20.	23.460	34.593	4.54	23.511	.093
30.	22.434	34.793	4.529	23.957	.135
40.	22.130	34.943	4.520	24.156	.174
50.	21.630	35.116	3.955	24.426	.210
60.	19.641	35.234	3.666	25.051	.243
70.	17.875	35.301	3.550	25.550	.270
80.	16.600	35.5134	3.301	25.728	.293
90.	15.848	35.5096	3.05	25.873	.316
100.	14.484	34.993	3.000	26.096	.337
110.	14.102	34.983	2.92	26.169	.356
120.	13.709	34.934	2.77	26.214	.374
130.	13.228	34.889	2.58	26.278	.393
140.	13.081	34.903	2.37	26.314	.410
150.	13.009	34.898	2.31	26.329	.428
160.	12.879	34.893	2.21	26.351	.445
170.	12.727	34.870	2.16	26.364	.462
180.	12.647	34.866	2.10	26.377	.479
190.	12.617	34.868	1.96	26.384	.496
200.	12.593	34.866	1.83	26.387	.513
250.	12.557	34.870	1.57	26.398	.598
300.	12.031	34.842	.76	26.478	.683
350.	10.310	34.735	.53	26.710	.758
400.	9.462	34.694	.54	26.822	.826
450.	9.051	34.673	.63	26.874	.891
500.	8.541	34.650	.69	26.936	.953
550.	8.149	34.625	.73	26.977	1.013
600.	7.311	34.584	.97	27.068	1.070
650.	6.808	34.563	1.12	27.122	1.123
700.	5.990	34.540	1.42	27.212	1.174
750.	5.586	34.544	1.66	27.265	1.220
800.	5.308	34.543	1.83	27.298	1.265
850.	5.114	34.546	1.83	27.323	1.309
900.	4.951	34.540	1.76	27.338	1.351
950.	4.676	34.543	1.81	27.371	1.393
1000.	4.427	34.548	1.90	27.403	1.433
1500.	3.078	34.601	2.04	27.581	1.783
2000.	2.240	34.634	2.57	27.681	2.065
2500.	1.900	34.641	2.99	27.714	2.318
2508.	1.898	34.641	2.99	27.714	

CAST EP4-81-0C-010 DATE 11 JUL 81 TIME GMT
LAT 0 30.9S LONG 110 31.8W



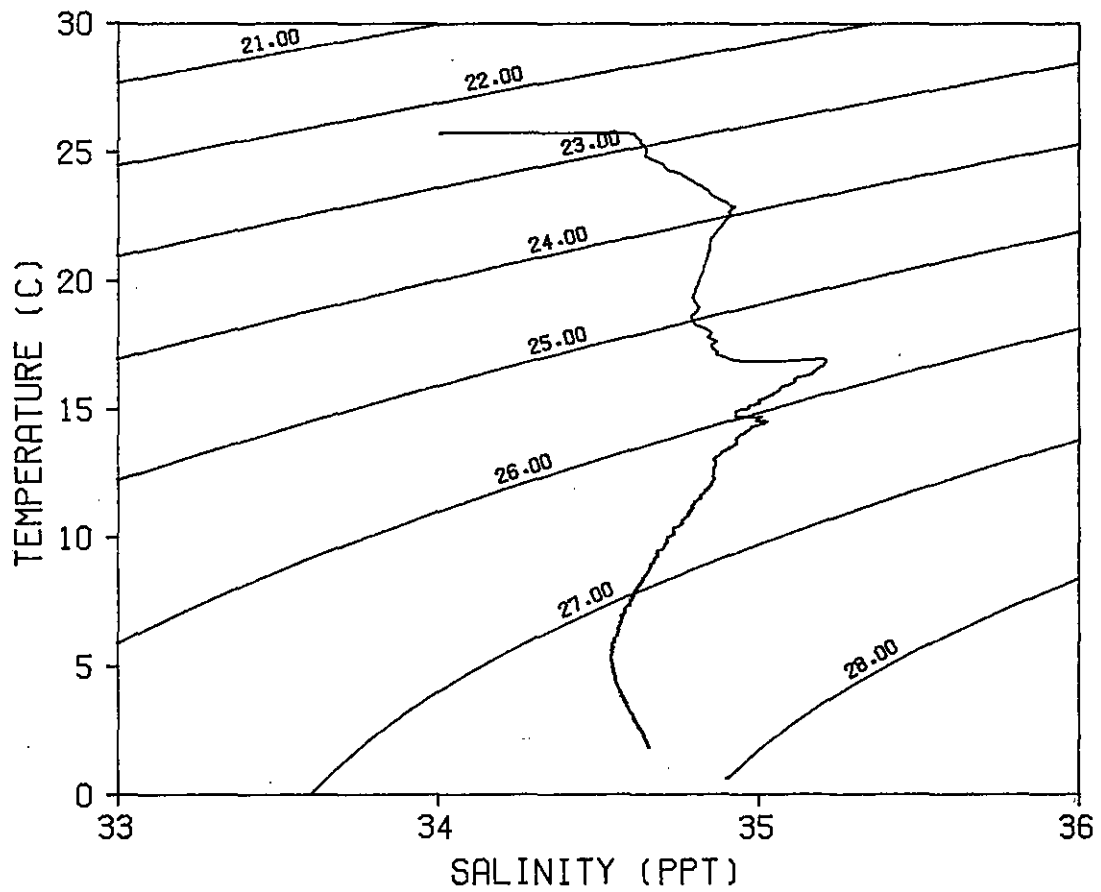
543



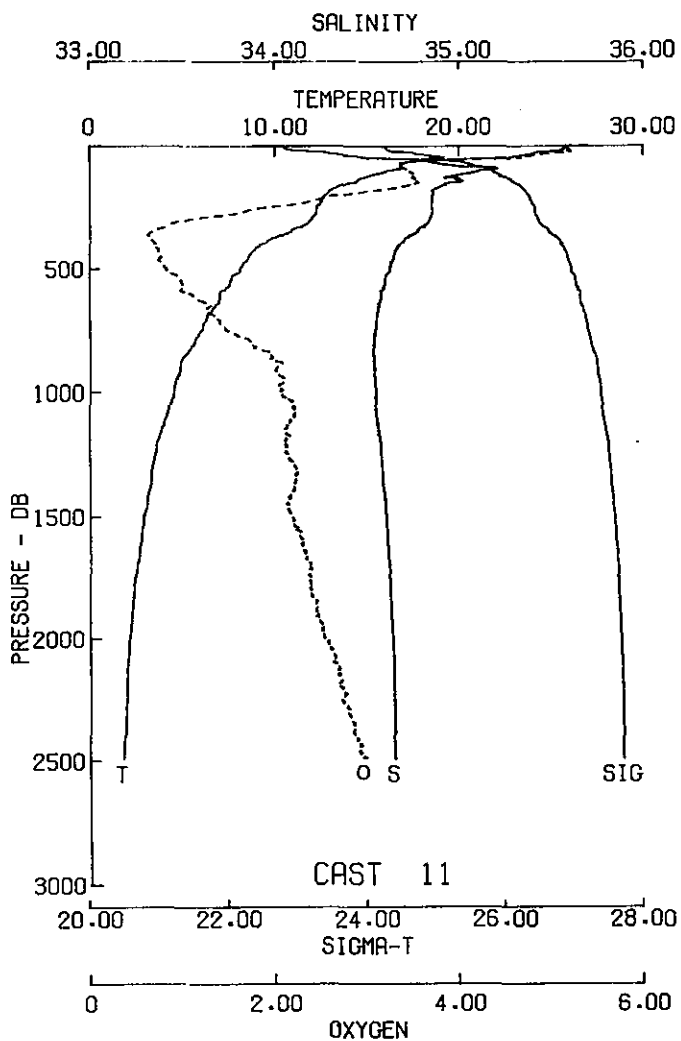
CAST EP4-81-DC-010 DATE 11 JUL 81 TIME GMT
 LAT 030.95 LONG 110 31.8W WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 140 T SPD 14 KT VISIBILITY 7
 CLOUD 7 AMOUNT 4 DRY 23.1 WET 22.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	23.828	34.629	4.62	23.430	0.000
10.	23.831	34.631	4.60	23.431	.045
20.	23.483	34.747	4.47	23.621	.088
30.	23.184	34.881	4.34	23.809	.130
40.	23.034	35.043	4.19	23.975	.170
50.	22.952	35.199	4.05	24.116	.209
60.	19.506	35.430	3.66	25.235	.245
70.	17.708	35.340	2.57	25.621	.270
80.	17.370	35.300	2.56	25.672	.294
90.	16.436	35.211	2.72	25.825	.317
100.	15.567	35.157	2.74	25.983	.338
110.	14.834	35.064	2.77	26.075	.358
120.	14.357	35.033	2.81	26.153	.378
130.	14.021	35.008	2.81	26.206	.396
140.	13.700	34.979	2.84	26.251	.415
150.	13.538	34.961	2.84	26.270	.433
160.	13.345	34.942	2.81	26.295	.451
170.	13.247	34.934	2.77	26.309	.468
180.	13.075	34.920	2.71	26.333	.486
190.	12.959	34.910	2.69	26.349	.503
200.	12.858	34.903	1.84	26.363	.521
250.	12.552	34.875	1.56	26.403	.606
300.	11.757	34.828	1.69	26.519	.690
350.	11.096	34.788	.45	26.611	.767
400.	9.591	34.697	.53	26.803	.837
450.	8.996	34.666	.65	26.877	.902
500.	8.390	34.634	.76	26.947	.964
550.	8.114	34.622	.79	26.980	1.024
600.	7.506	34.592	.93	27.047	1.081
650.	6.817	34.565	1.18	27.122	1.135
700.	6.397	34.553	1.31	27.169	1.186
750.	5.740	34.540	1.52	27.243	1.233
800.	5.443	34.533	1.74	27.274	1.281
850.	5.044	34.533	1.82	27.325	1.325
900.	4.852	34.539	1.94	27.349	1.367
950.	4.672	34.543	1.93	27.372	1.409
1000.	4.453	34.549	1.87	27.401	1.449
1500.	3.005	34.606	2.06	27.592	1.794
1888.	2.452	34.629	2.37	27.659	

CAST EP4-81-0C-011 DATE 13 JUL 81 TIME 0823 GMT
LAT 00 00.0N LONG 120 00.0W



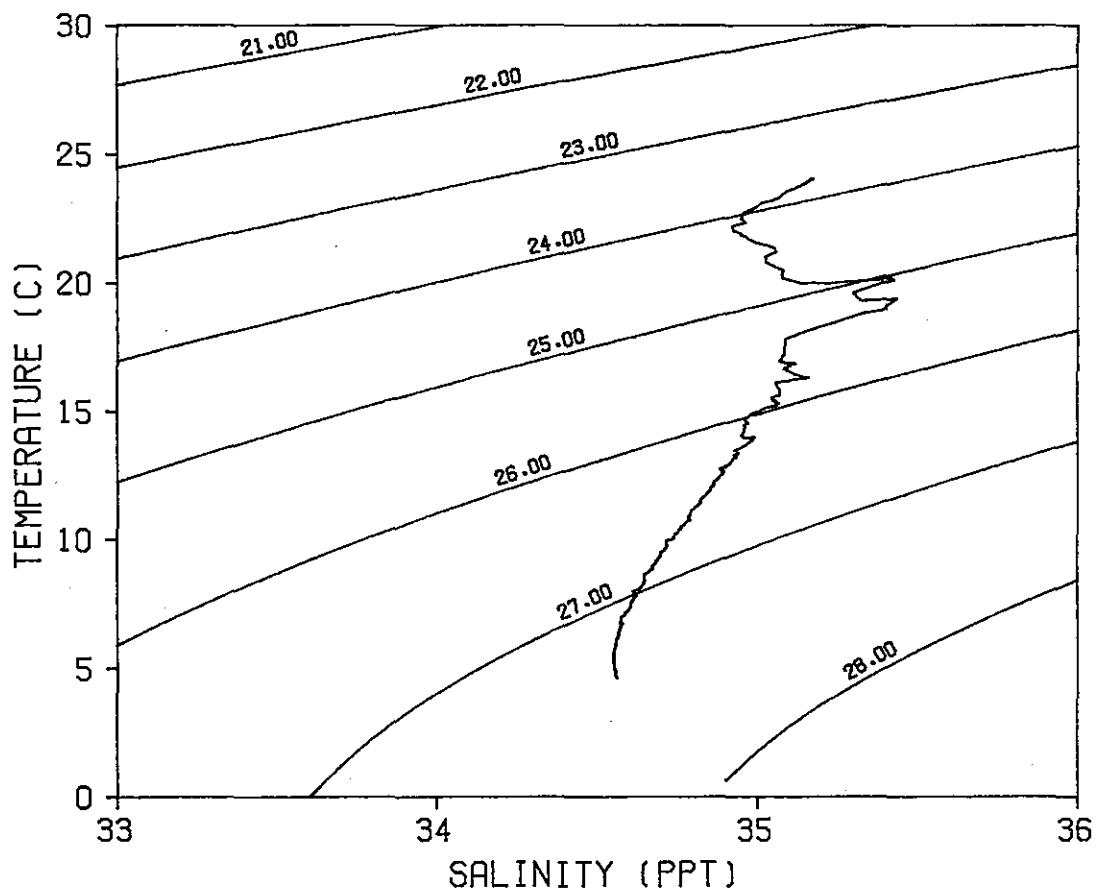
CAST EP4-81-0C-011 DATE 17 JUL 81 TIME 1823 GMT
 LAT 00 00.0N LONG 120 03.0W WEAHER 2 SEA STAT 4
 BAROMETER 12 WIND DIR 146 T SPD 18 KT VISIBILITY 7
 CLOUD 8 AMOUNT E DRY 24.4 WET 22.7 DEPTH M



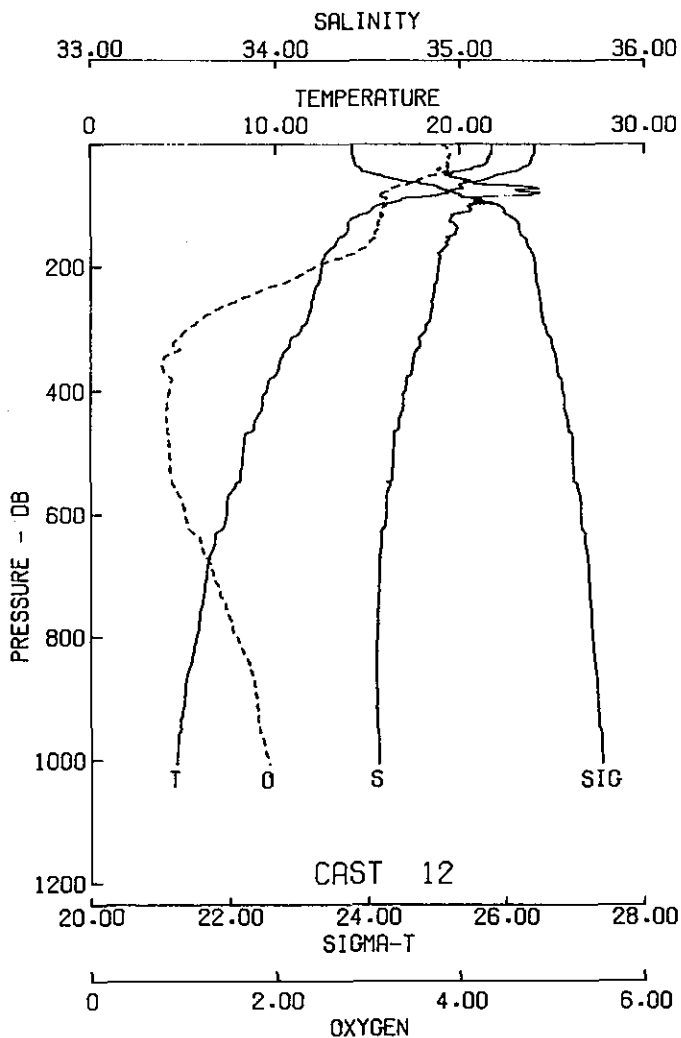
PRES (DB)	TEMP (C)	SAL (PPT)	OVY (ML/L)	SIG-T	DELTA-S (DYN-C)
0.	25.757	34.009	5.40	22.381	0.660
10.	25.741	34.610	5.17	22.238	.651
20.	25.378	34.629	5.19	22.964	.107
30.	24.101	34.762	5.06	23.459	.147
40.	23.435	34.846	4.63	23.709	.180
50.	22.510	34.906	4.56	24.020	.230
60.	17.135	34.832	3.81	25.128	.259
70.	17.053	34.887	3.41	25.433	.271
80.	16.865	34.987	3.36	25.553	.276
90.	16.913	35.210	3.41	25.713	.276
100.	16.252	35.122	3.46	25.800	.276
110.	15.780	35.066	3.51	25.866	.276
120.	15.194	34.937	3.52	25.936	.276
130.	14.681	34.957	3.53	26.026	.276
140.	14.541	34.916	3.53	26.101	.276
150.	14.072	34.953	3.57	26.153	.276
160.	13.615	34.922	3.49	26.224	.276
170.	13.355	34.886	3.36	26.256	.276
180.	13.027	34.860	3.16	26.296	.276
190.	12.923	34.864	2.99	26.321	.276
200.	12.756	34.862	2.70	26.352	.276
250.	12.303	34.859	1.99	26.446	.276
300.	11.978	34.844	1.09	26.490	.276
350.	11.873	34.778	.68	26.644	.276
400.	11.320	34.684	.74	26.836	.276
450.	10.674	34.654	.78	26.918	.276
500.	10.240	34.631	.84	26.974	.276
550.	7.668	34.606	1.01	27.033	.276
600.	7.082	34.582	1.19	27.099	.276
650.	6.864	34.574	1.32	27.122	.276
700.	6.375	34.560	1.36	27.177	.276
750.	6.079	34.548	1.49	27.207	.276
800.	5.695	34.544	1.76	27.252	.276
850.	5.211	34.541	1.96	27.309	.276
900.	4.919	34.546	2.04	27.346	.276
950.	4.687	34.548	2.10	27.374	.276
1000.	4.575	34.552	2.08	27.396	.276
1050.	3.967	34.610	2.18	27.599	.276
1100.	3.183	34.646	2.54	27.695	.276
1150.	1.850	34.657		27.730	.276

545

CAST EP4-81-0C-012 DATE 14 JUL 81 TIME 0647 GMT
LAT 00 00.ON LONG 125 00.OW



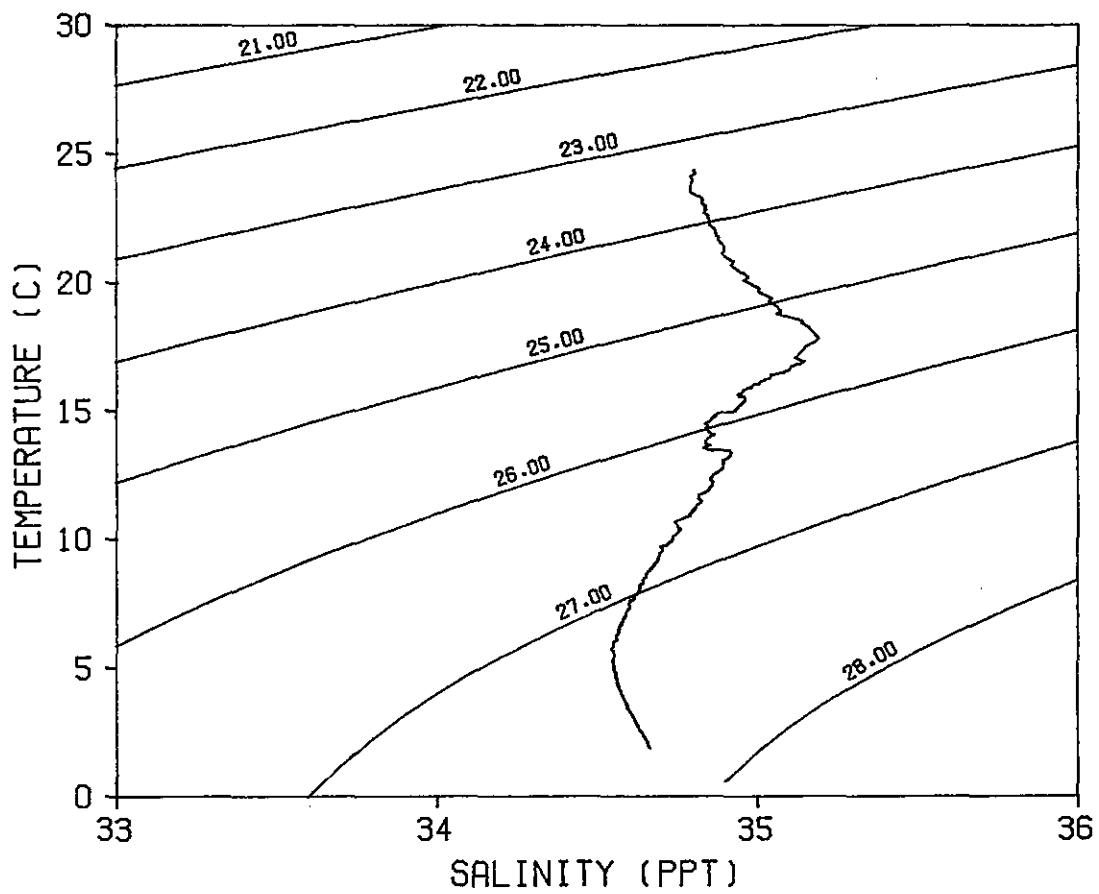
CAST EP4-81-00-12 DATE 14 JUL 81 TIME 0647 GMT
 LAT 01 00.0N LONG 125 30.0W WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 130 T SPD 20 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 23.8 WET 22.6 DEPTH M



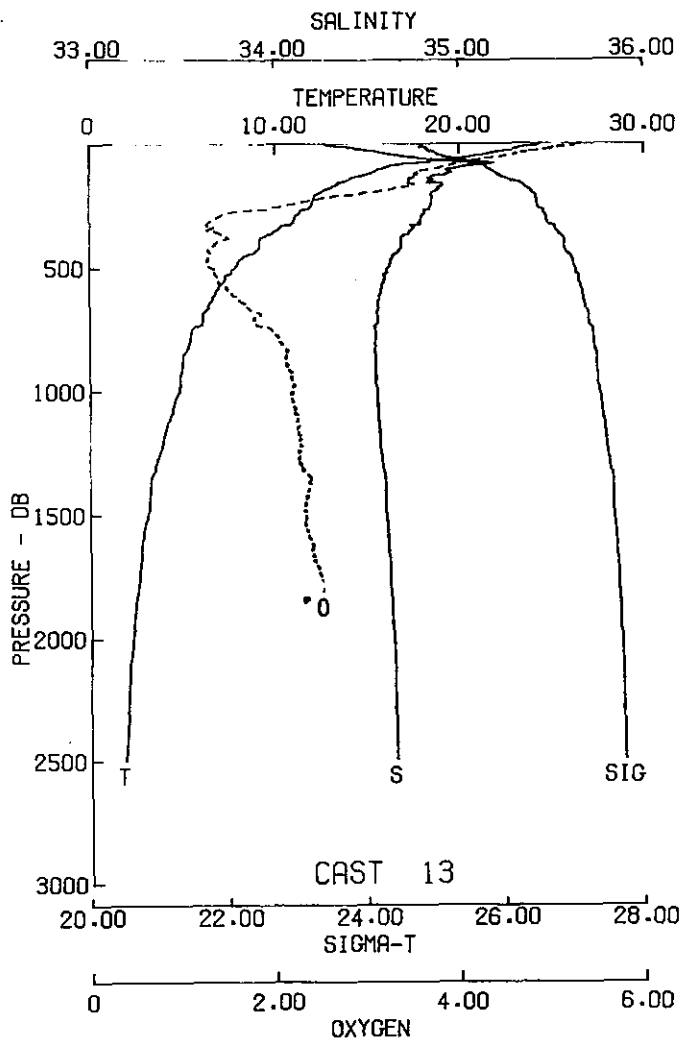
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.855	35.174	3.83	23.775	0.400
10.	24.849	35.174	3.88	23.777	.041
20.	24.970	35.163	3.90	23.792	.083
30.	24.865	35.151	3.67	23.813	.124
40.	23.401	35.075	3.82	23.802	.165
50.	23.347	35.064	3.77	24.111	.204
60.	21.342	35.056	3.55	24.461	.241
70.	20.090	35.032	3.33	25.005	.274
80.	19.412	35.033	3.19	25.265	.302
90.	18.948	35.067	3.21	25.595	.329
100.	18.789	35.072	3.23	25.863	.352
110.	18.223	35.061	3.15	25.887	.373
120.	17.464	35.058	3.15	26.073	.393
130.	17.975	35.073	3.13	26.189	.413
140.	17.998	35.090	3.13	26.199	.431
150.	17.746	35.096	3.07	26.233	.451
160.	17.319	35.093	3.02	26.292	.468
170.	17.046	35.091	2.96	26.336	.485
180.	16.695	35.088	2.88	26.382	.503
190.	16.557	35.088	2.86	26.413	.519
200.	16.507	35.086	2.84	26.420	.536
250.	16.059	35.085	2.67	26.485	.619
300.	15.420	35.082	2.57	26.576	.698
350.	14.290	35.075	2.49	26.726	.771
400.	13.558	35.070	2.85	26.817	.840
450.	13.895	35.073	2.82	26.898	.904
500.	13.277	35.064	2.85	26.971	.965
550.	12.852	35.061	2.88	27.014	1.024
600.	12.359	35.060	1.02	27.074	1.079
650.	11.720	35.057	1.11	27.144	1.132
700.	11.284	35.055	1.15	27.193	1.182
750.	10.827	35.055	1.46	27.219	1.231
800.	10.763	35.052	1.57	27.250	1.278
850.	10.389	35.048	1.72	27.292	1.324
900.	10.104	35.052	1.80	27.329	1.367
950.	9.868	35.054	1.81	27.358	1.409
1000.	9.636	35.053	1.83	27.388	1.450
1100.	9.630	35.058	1.92	27.488	1.450

547

CAST EP4-81-0C-013 DATE 15 JUL 81 TIME 0522 GMT
LAT 0 00.2S LONG 129 59.7W



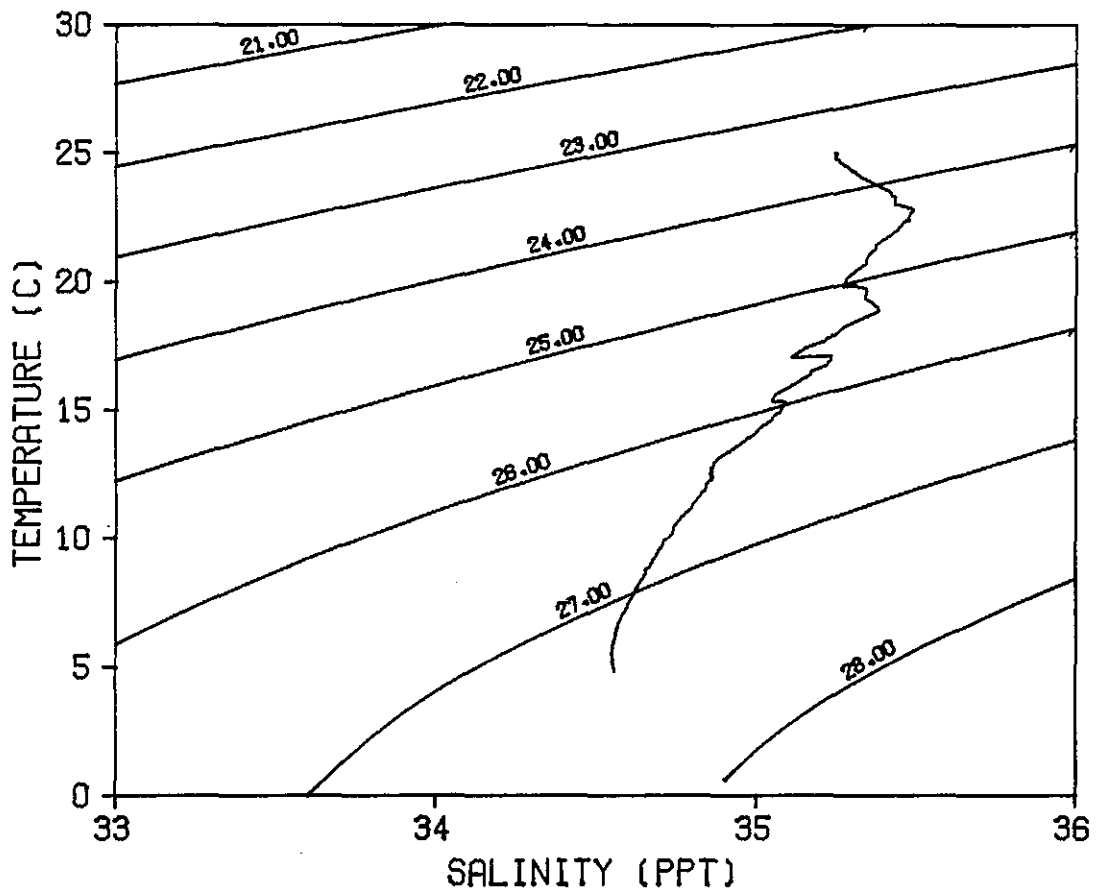
CAST EP4-R1-OC-C13 DATE 1F JUL 81 TIME 0522 GMT
 LAT 08.28 LONG 129.7W WEA THER 1 SEA STAFF 7
 BAROMETER 12 WIND DIR 120 T SPD 11 KT VISIBILITY 7
 CLOUD 2 AMOUNT 1 DRY 23.9 WET 23.1 DEPTH 7



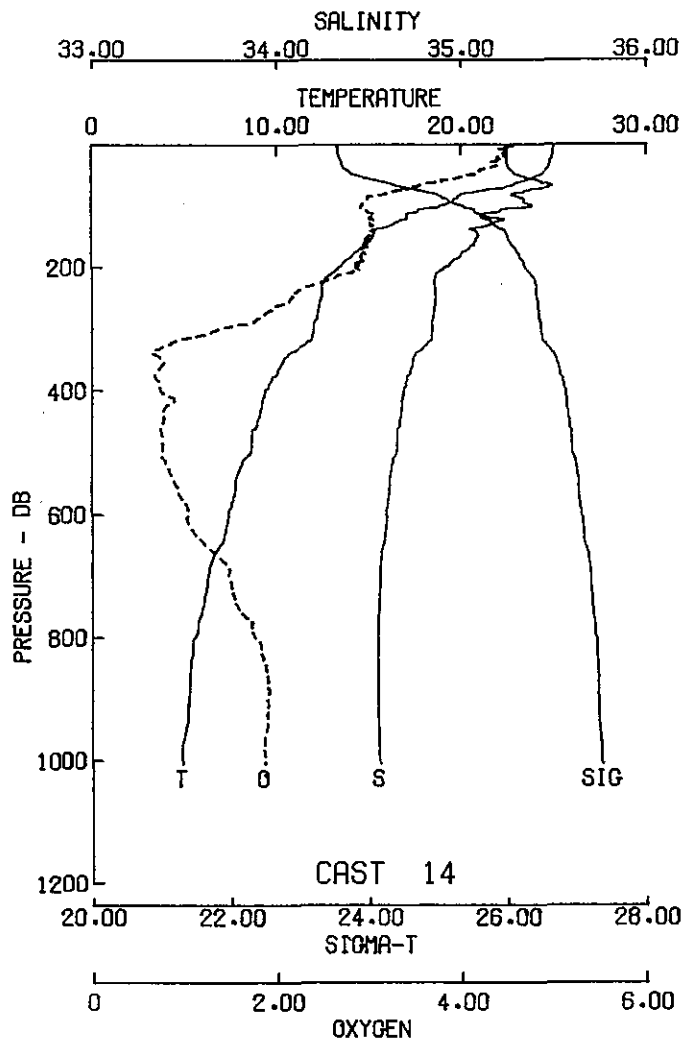
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-P (DYN-M)
0	24.377	34.805	5.29	23.400	0.000
10	24.230	34.808	5.23	23.446	0.046
20	23.185	34.832	5.09	23.771	0.087
30	22.543	34.844	4.92	24.064	0.124
40	21.716	34.877	4.68	24.321	0.166
50	20.887	34.916	4.60	24.478	0.202
60	20.091	34.955	4.38	24.721	0.236
70	19.253	35.037	4.20	25.001	0.267
80	17.689	35.170	4.04	25.502	0.295
90	16.394	35.040	3.95	25.704	0.310
100	15.992	34.981	3.83	25.875	0.342
110	15.567	34.941	3.65	25.817	0.364
120	15.321	34.955	3.56	25.883	0.384
130	14.943	34.887	3.54	25.915	0.407
140	14.398	34.848	3.52	26.002	0.428
150	13.995	34.855	3.47	26.057	0.440
160	13.468	34.874	3.47	26.218	0.460
170	13.310	34.917	3.51	26.283	0.480
180	13.040	34.890	3.41	26.317	0.504
190	12.736	34.888	3.26	26.376	0.521
200	12.513	34.863	3.10	26.401	0.538
210	12.076	34.856	2.20	26.480	0.620
220	11.175	34.803	1.41	26.508	0.696
230	10.205	34.745	1.29	26.737	0.771
240	9.218	34.691	1.39	26.861	0.837
250	8.567	34.652	1.30	26.934	0.900
260	7.928	34.525	1.30	27.010	0.959
270	7.356	34.601	1.40	27.075	1.014
280	6.863	34.582	1.52	27.129	1.067
290	6.518	34.569	1.69	27.166	1.119
300	6.133	34.563	1.82	27.211	1.168
310	5.635	34.550	1.94	27.264	1.215
320	5.459	34.552	2.05	27.287	1.260
330	5.134	34.549	2.15	27.324	1.304
340	5.060	34.554	2.15	27.336	1.347
350	4.938	34.556	2.19	27.352	1.389
360	4.854	34.558	2.20	27.363	1.431
370	3.172	34.510	2.35	27.580	1.788
380	3.319	34.648		27.685	2.068
390	1.901	34.663		27.731	2.316
400	1.901	34.663		27.731	

549

CAST EP4-81-0C-014 DATE 16 JUL 81 TIME 0335 GMT
LAT 00 00.0N LONG 135 00.0W



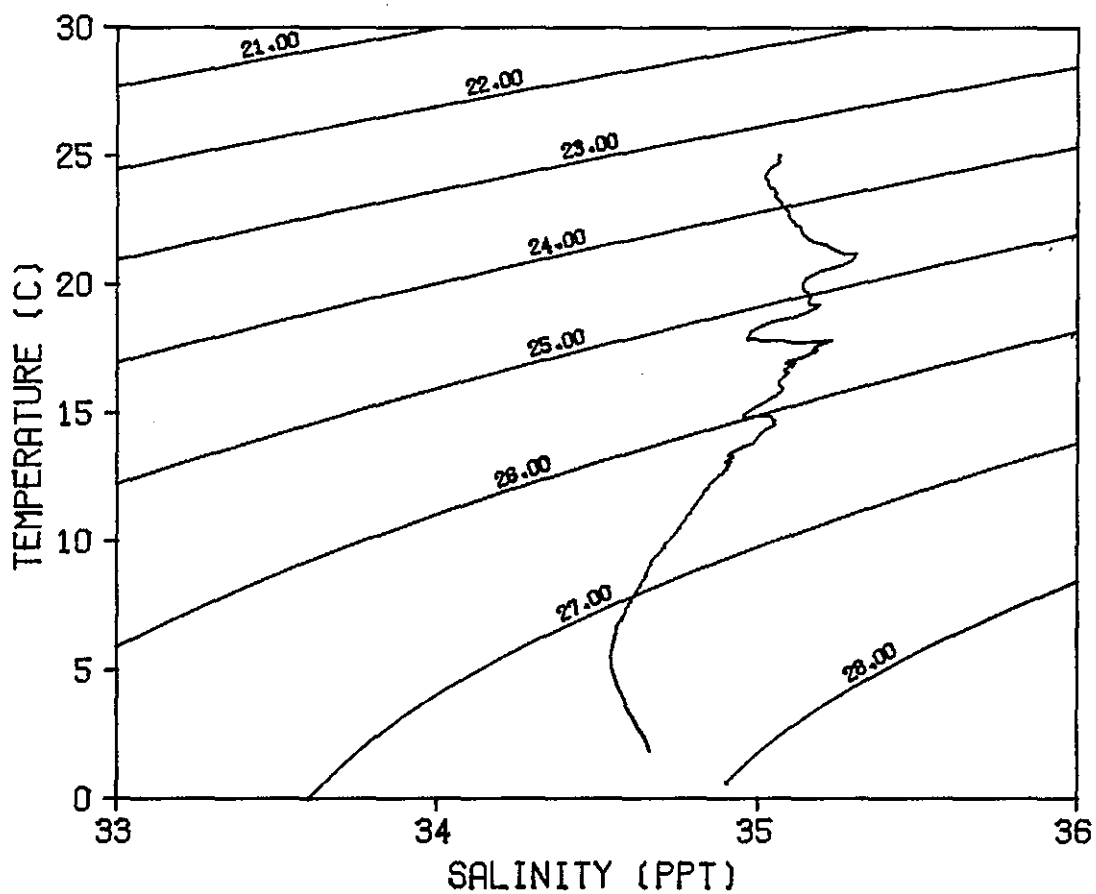
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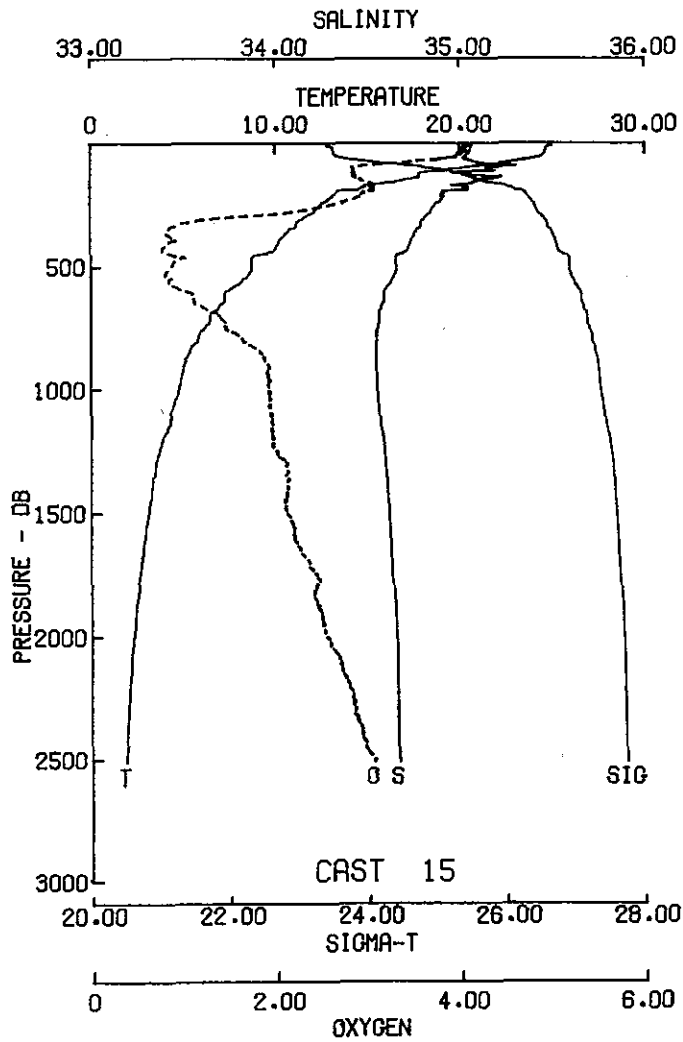
CAST EP4-81-0C-014 DATE 16 JUL 81 TIME 0335 GMT
 LAT 00 00.0N LONG 135 00.0W WEATHER 1 SEA STATE 4
 BAROMETER 11 WIND DIR 115 T SPD 18 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 24.2 WET 22.4 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.024	35.244	4.64	23.537	0.000
3.	25.002	35.246	4.56	23.545	
10.	24.978	35.250	4.49	23.555	.044
20.	24.920	35.249	4.43	23.572	.087
30.	24.798	35.248	4.34	23.608	.130
40.	24.664	35.262	4.26	23.659	.173
50.	24.264	35.307	4.08	23.813	.215
60.	23.387	35.422	3.79	24.159	.255
70.	22.397	35.479	3.46	24.487	.291
80.	20.135	35.281	2.22	24.957	.324
90.	19.622	35.343	1.98	24.957	.353
100.	18.920	35.382	1.92	25.350	.381
110.	17.671	35.211	1.98	25.531	.407
120.	17.090	35.168	1.91	25.639	.431
130.	16.319	35.161	1.81	25.815	.454
140.	15.341	35.068	1.64	25.966	.476
150.	15.254	35.095	1.61	26.005	.496
160.	14.974	35.075	1.56	26.052	.517
170.	14.592	35.047	1.44	26.114	.537
180.	14.181	35.002	1.29	26.167	.556
190.	13.762	34.959	1.16	26.222	.575
200.	13.447	34.921	1.06	26.258	.593
250.	12.403	34.861	0.76	26.421	.679
300.	11.999	34.841	0.73	26.484	.762
350.	10.365	34.738	0.76	26.703	.840
400.	9.368	34.687	0.73	26.833	.908
450.	8.930	34.667	0.77	26.888	.973
500.	8.581	34.650	0.75	26.930	1.034
550.	7.758	34.611	0.89	27.024	1.093
600.	7.362	34.595	1.04	27.069	1.149
650.	6.920	34.576	1.22	27.116	1.203
700.	6.250	34.557	1.47	27.191	1.254
750.	5.979	34.551	1.57	27.222	1.303
800.	5.526	34.544	1.76	27.273	1.349
850.	5.308	34.547	1.89	27.301	1.394
900.	5.214	34.548	1.90	27.314	1.438
950.	5.047	34.551	1.89	27.335	1.481
1000.	4.844	34.555	1.86	27.362	1.523
1005.	4.842	34.555	1.86	27.362	

CAST EP4-81-0C-015 DATE 18 JUL 81 TIME 0140 GMT
LAT 00 01.7N LONG 139 56.4W



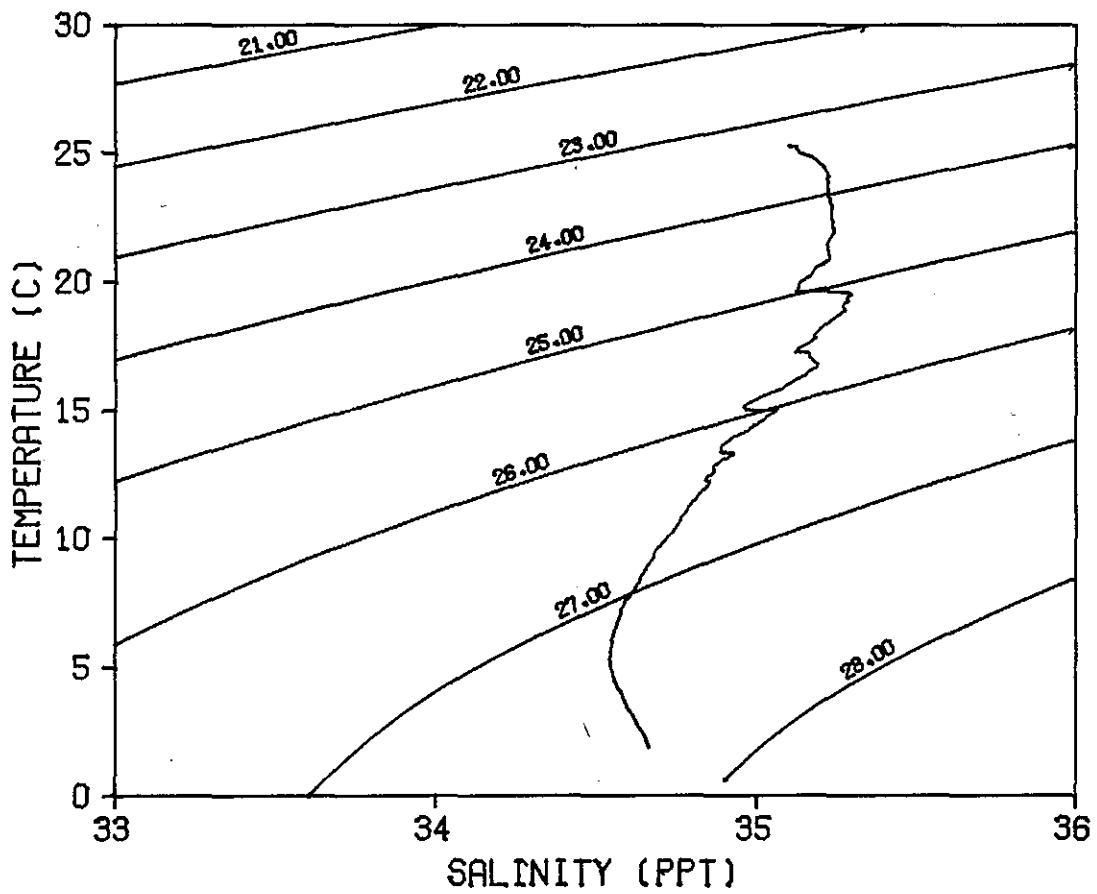
CAST EP4-81-OC-015 DATE 18 JUL 81 TIME 0140 GMT
 LAT 00 01.7N LONG 139 56.4W WEATHER 1 SEA STATE 4
 BAROMETER 11 WIND DIR 090 T SPD 16 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 DRY 23.2 WET 23.4 DEPTH M



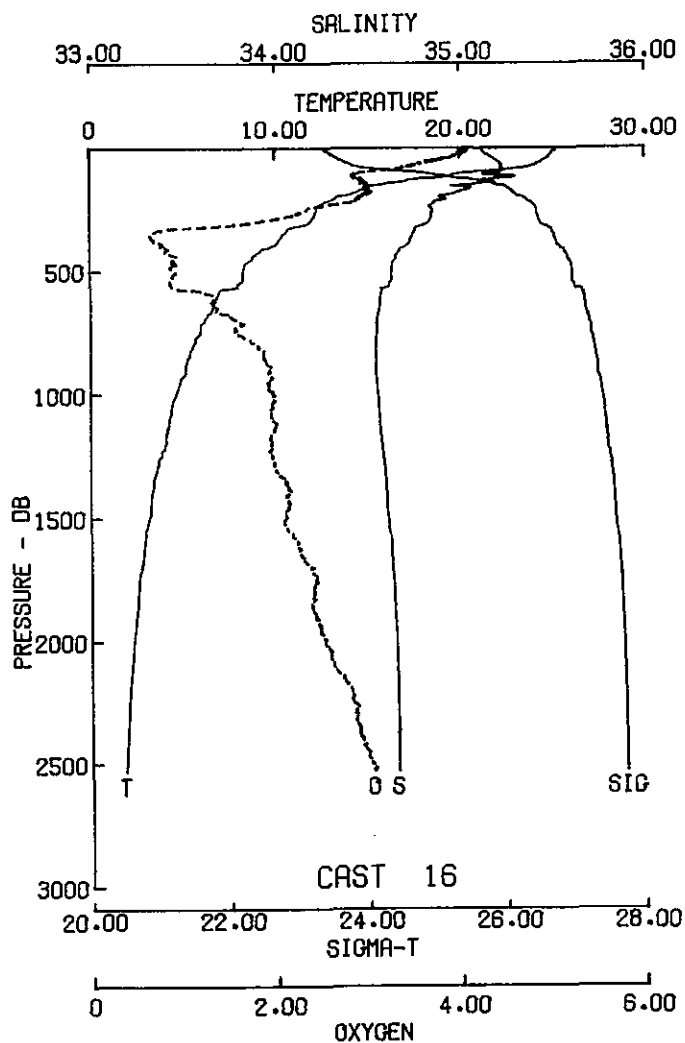
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.968	35.062	4.03	23.416	0.000
4.	24.994	35.065	4.05	23.411	
10.	24.901	35.064	4.08	23.438	.045
20.	24.689	35.061	4.06	23.500	.089
30.	24.658	35.057	4.08	23.506	.133
40.	24.603	35.048	3.98	23.516	.177
50.	24.480	35.035	3.99	23.543	.221
60.	24.084	35.024	3.90	23.653	.264
70.	23.245	35.064	3.59	23.929	.306
80.	22.458	35.109	3.31	24.190	.345
90.	21.168	35.271	2.97	24.671	.380
100.	20.095	35.140	2.84	24.861	.412
110.	19.199	35.193	2.84	25.133	.442
120.	17.865	35.296	2.86	25.299	.470
130.	17.751	35.086	2.85	25.416	.497
140.	17.603	35.186	2.89	25.529	.522
150.	16.947	35.114	2.94	25.631	.547
160.	16.091	35.064	2.02	25.793	.570
170.	14.908	35.952	2.04	25.972	.592
180.	14.757	35.043	2.08	26.075	.613
190.	14.158	35.003	2.07	26.173	.632
200.	13.312	34.918	2.95	26.284	.650
250.	12.429	34.867	2.60	26.420	.737
300.	11.567	34.814	1.49	26.545	.820
350.	10.783	34.769	.84	26.653	.896
400.	10.211	34.733	.83	26.727	.968
450.	9.336	34.678	.87	26.831	1.037
500.	8.682	34.653	.87	26.916	1.099
550.	8.252	34.633	.85	26.967	1.161
600.	7.314	34.587	1.03	27.070	1.219
650.	7.097	34.580	1.12	27.095	1.273
700.	6.445	34.560	1.40	27.168	1.325
750.	6.143	34.554	1.46	27.203	1.375
800.	5.766	34.547	1.65	27.245	1.423
850.	5.324	34.544	1.84	27.297	1.468
900.	5.039	34.545	1.92	27.331	1.512
950.	4.896	34.548	1.94	27.350	1.554
1000.	4.770	34.552	1.93	27.368	1.596
1500.	3.098	34.613	2.13	27.589	1.946
2000.	2.268	34.651	2.55	27.692	2.225
2500.	1.839	34.662	3.07	27.735	2.469
2509.	1.833	34.662	3.06	27.735	

553

CAST EP4-81-0C-016 DATE 19 JUL 81 TIME 0324 GMT
LAT 0 00.5S LONG 145 00.6W



CAST EP4-81-DC-016 DATE 19 JUL 81 TIME 0324 GMT
 LAT 0 00.5S LONG 145 00.6W WEATHER 1 SEA STATE 4
 BAROMETER 10 WIND DIR 090 T SPD 16 KT VISIBILITY 7
 CLOUD 6 AMOUNT 3 DRY 25.8 WET 22.9 DEPTH M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.267	35.107	4.35	23.359	0.000
1.	25.264	35.105	4.41	23.359	
10.	25.208	35.124	4.06	23.390	.045
20.	25.012	35.136	3.98	23.459	.090
30.	24.909	35.157	3.99	23.506	.134
40.	24.783	35.182	3.91	23.563	.178
50.	24.551	35.202	3.70	23.648	.221
60.	24.323	35.220	3.60	23.730	.263
70.	24.096	35.231	3.48	23.806	.305
80.	23.871	35.238	3.41	23.865	.346
90.	23.648	35.241	3.21	23.921	.384
100.	23.422	35.244	3.01	23.975	.418
110.	19.631	35.221	2.83	23.044	.449
120.	18.982	35.276	2.85	23.253	.478
130.	17.256	35.121	2.96	23.562	.504
140.	16.645	35.192	2.94	23.762	.528
150.	15.771	35.068	2.98	23.869	.550
160.	15.030	35.060	2.97	23.928	.571
170.	14.758	35.034	2.99	23.968	.591
180.	14.406	35.088	3.04	23.109	.611
190.	14.004	35.093	2.91	23.156	.630
200.	13.360	35.000	2.93	23.260	.649
250.	12.250	35.085	2.34	23.444	.733
300.	11.904	35.034	1.77	23.497	.817
350.	10.438	35.077	.66	23.697	.892
400.	9.837	35.071	.77	23.773	.962
450.	8.799	35.056	.91	23.900	1.027
500.	8.313	35.033	.91	23.958	1.087
550.	8.148	35.026	.86	23.978	1.147
600.	6.885	35.069	1.32	23.116	1.203
650.	6.639	35.064	1.37	23.145	1.254
700.	6.189	35.052	1.57	23.195	1.304
750.	5.937	35.050	1.58	23.226	1.352
800.	5.573	35.044	1.79	23.267	1.399
850.	5.293	35.043	1.87	23.300	1.444
900.	5.125	35.046	1.93	23.322	1.487
950.	4.842	35.050	1.92	23.358	1.530
1000.	4.621	35.054	1.99	23.386	1.571
1500.	3.172	35.061	2.11	23.580	1.924
2000.	2.288	35.050	2.52	23.689	2.203
2500.	1.855	35.061	3.02	23.733	2.448
2529.	1.840	35.061	3.06	23.734	

555

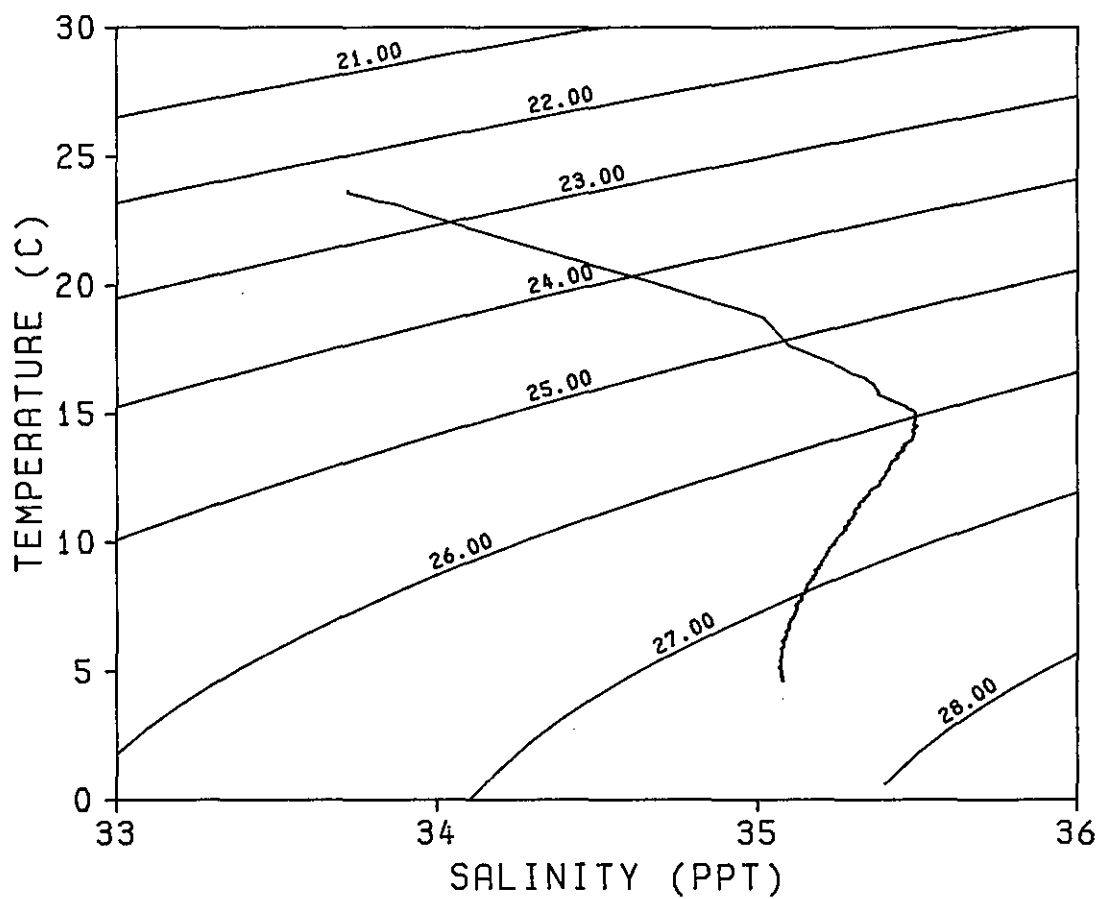


EP5-81-RS

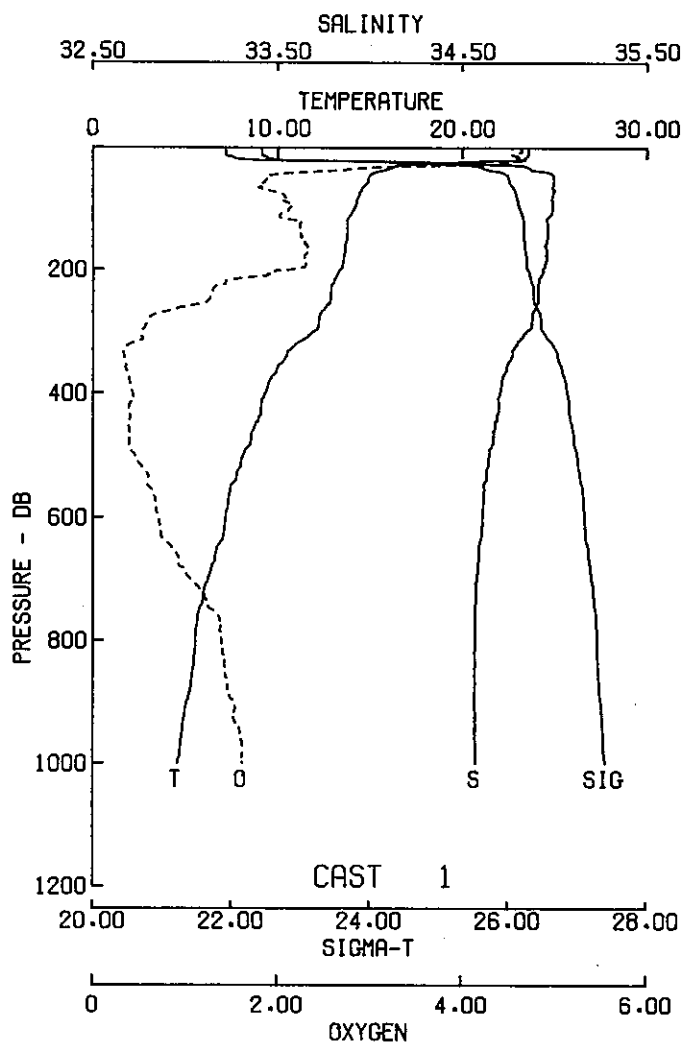
23 October - 11 November 1981

NBIS CTD/O₂ Data Summary

CAST EP5-81-RS-001 DATE 23 OCT 81 TIME 0700 GMT
LAT 0 00.8S LONG 085 02.6W



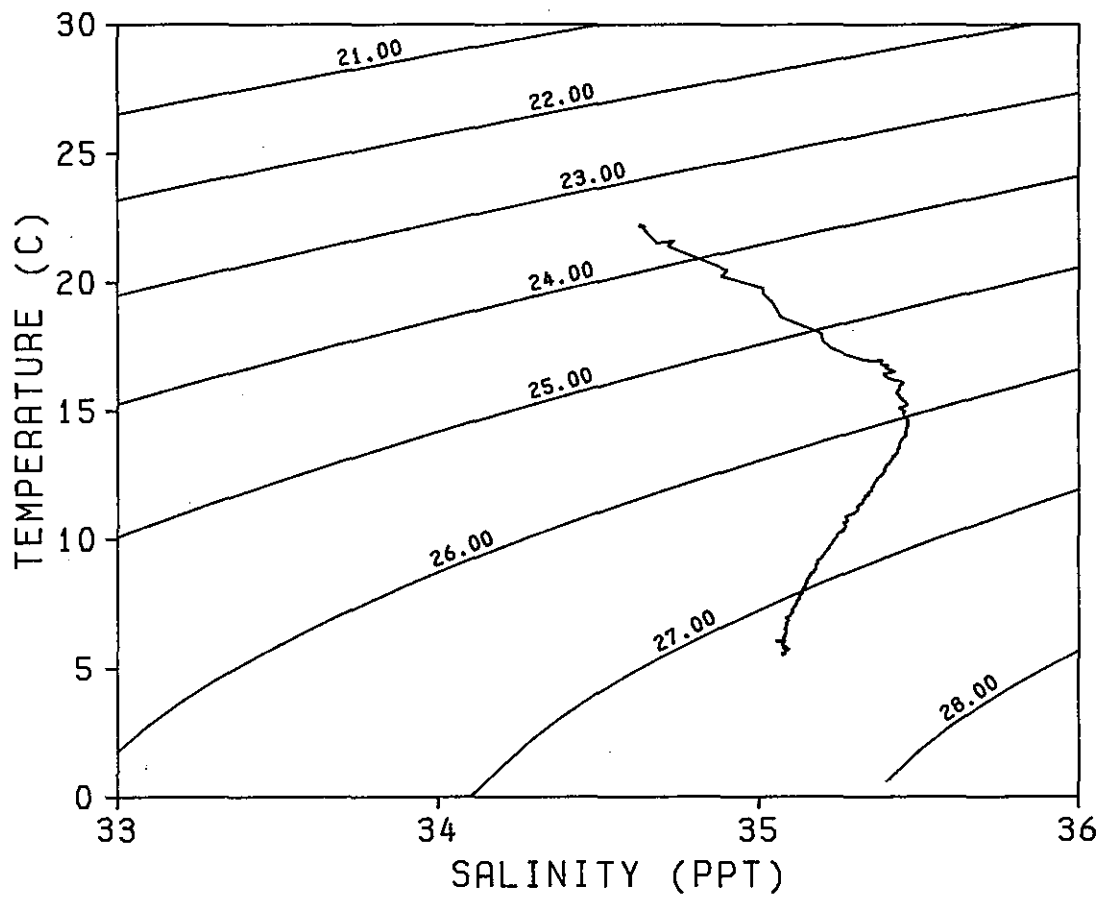
559



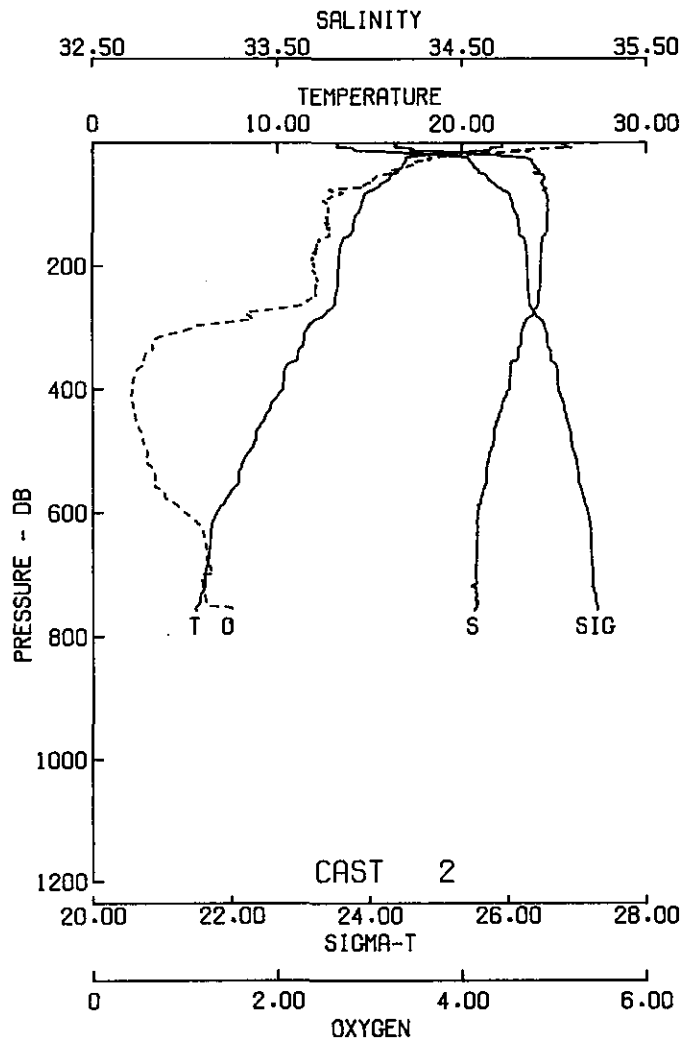
CAST EFF-F1-RS-001 DATE 23 OCT 81 TIME 0700 GMT
 LAT 00.00 RS LONG 085 02.6 WEATHER SEA STATE
 BAROMETER WIND DIR T SPD KT VISIRILITY
 CLOUD AMOUNT DRY WET DEPTH

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-P)
0.	23.659	33.221	4.48	22.416	0.000
10.	23.571	33.221	4.58	22.442	0.054
20.	23.122	33.368	4.62	22.682	0.100
30.	16.249	34.483	3.46	22.546	0.147
40.	15.284	34.486	2.31	23.897	0.166
50.	14.523	34.499	1.89	26.003	0.187
60.	14.780	34.499	1.35	26.034	0.207
70.	14.518	34.499	1.90	26.094	0.226
80.	14.364	34.498	2.07	26.117	0.246
90.	14.257	34.499	2.12	26.142	0.265
100.	14.129	34.498	2.12	26.166	0.284
110.	13.958	34.497	2.03	26.197	0.303
120.	13.764	34.495	2.04	26.222	0.321
130.	13.777	34.496	2.23	26.224	0.339
140.	13.765	34.496	2.25	26.225	0.358
150.	13.738	34.496	2.25	26.226	0.376
160.	13.632	34.498	2.31	26.241	0.395
170.	13.651	34.495	2.31	26.244	0.413
180.	13.559	34.495	2.29	26.262	0.431
190.	13.510	34.494	2.31	26.265	0.449
200.	13.481	34.493	2.13	26.281	0.467
250.	13.845	34.491	1.25	26.372	0.555
300.	11.579	34.488	0.54	26.493	0.638
350.	10.250	34.475	0.36	26.733	0.712
400.	8.312	34.470	0.44	26.855	0.778
450.	8.788	34.468	0.49	26.923	0.842
500.	8.122	34.464	0.45	26.995	0.902
550.	7.464	34.462	0.61	27.077	0.958
600.	7.204	34.461	0.72	27.107	1.017
650.	6.717	34.459	0.87	27.161	1.064
700.	6.242	34.458	1.06	27.214	1.117
750.	5.760	34.457	1.33	27.265	1.160
800.	5.771	34.457	1.59	27.290	1.205
850.	5.406	34.457	1.43	27.305	1.251
900.	5.080	34.457	1.52	27.346	1.297
950.	4.853	34.457	1.60	27.375	1.334
1000.	4.588	34.458	1.63	27.410	1.374

CAST EP5-81-RS-002 DATE 24 OCT 81 TIME 1528 GMT
LAT 00 00.2N LONG 089 59.9W



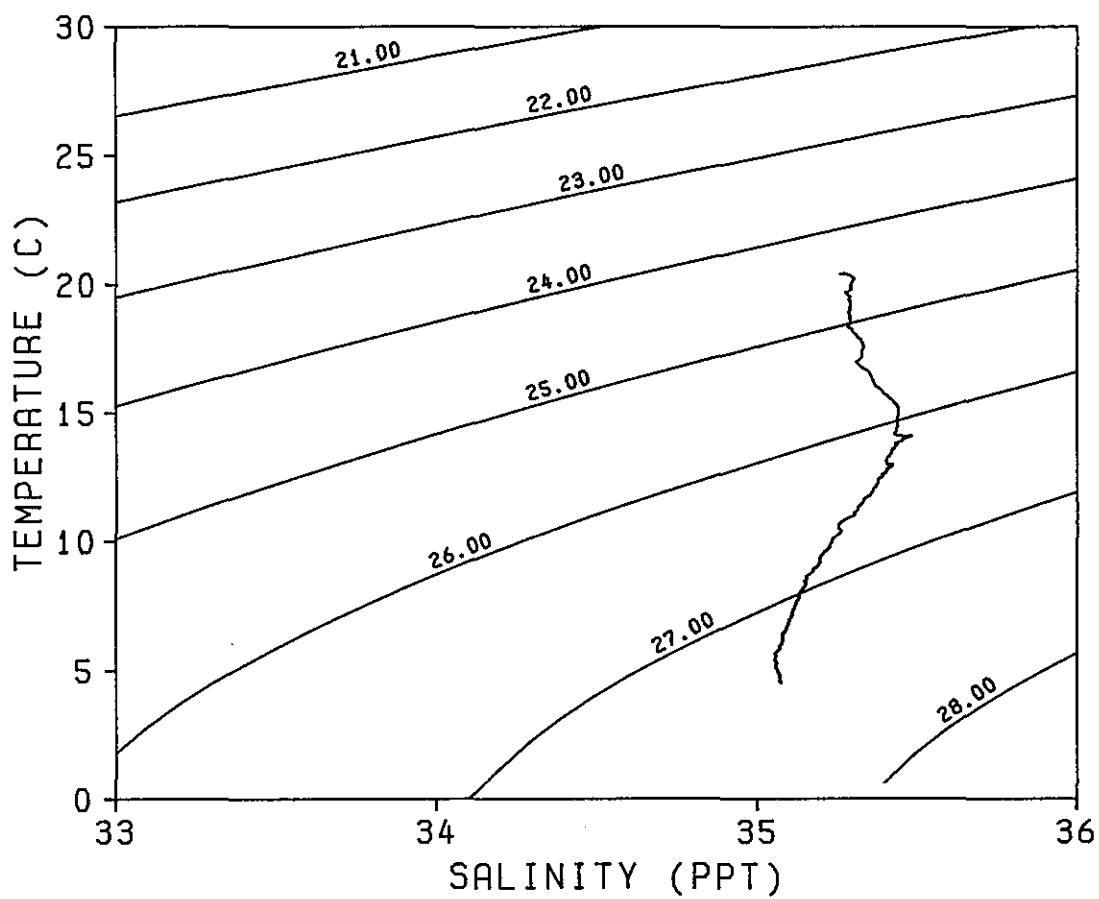
561



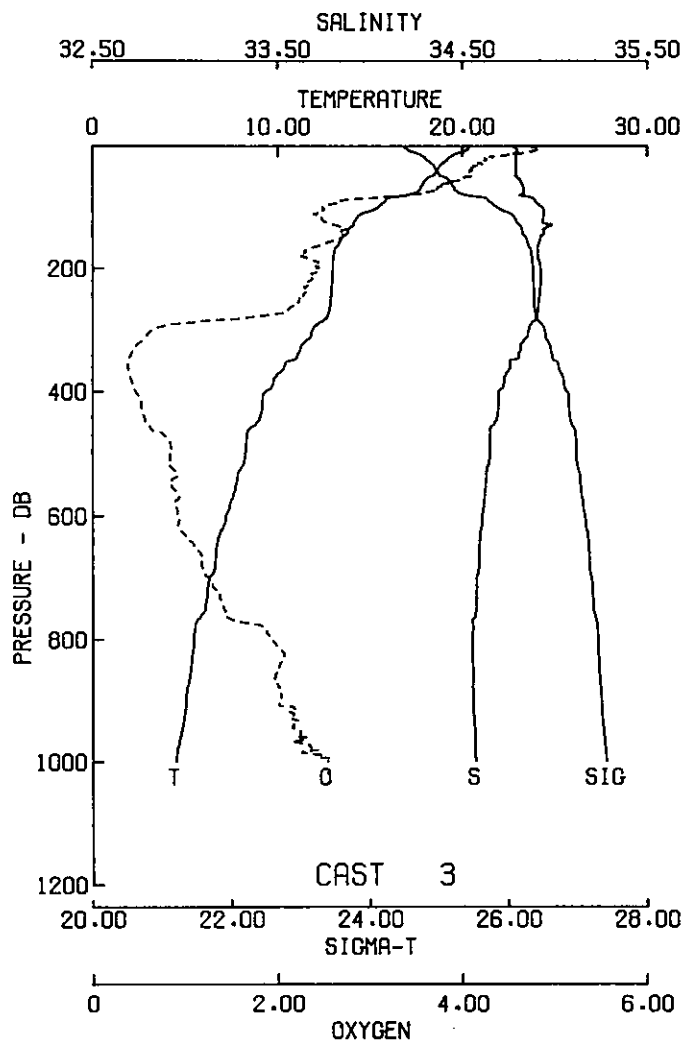
CAST FFF-P1-RS-002 DATE 24 OCT 81 TIME 1528 GMT
 LAT 00 00.2A LONG 089 59.9W WEATHER SEA STATE
 BAROMETER WIND DIR T SPD VISIBILITY
 CLOUD AMOUNT DRY WET DEPTH M

PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-S (DYA-M)
0.	22.257	34.132	5.47	23.506	0.600
10.	21.616	34.237	4.83	23.764	.047
20.	18.020	34.469	4.08	25.050	.080
30.	16.553	34.488	3.53	25.455	.107
40.	16.744	34.489	3.33	25.512	.131
50.	16.270	34.490	3.22	25.627	.156
60.	15.587	34.493	3.02	25.721	.179
70.	15.504	34.494	2.92	25.831	.201
80.	14.937	34.495	2.82	25.988	.223
90.	14.648	34.496	2.75	26.038	.248
100.	14.534	34.496	2.68	26.063	.273
110.	14.430	34.496	2.61	26.086	.298
120.	14.177	34.496	2.53	26.136	.320
130.	14.118	34.496	2.53	26.148	.321
140.	14.071	34.496	2.53	26.158	.340
150.	13.564	34.495	2.57	26.177	.355
160.	13.538	34.493	2.44	26.254	.378
170.	13.424	34.493	2.42	26.272	.396
180.	13.379	34.493	2.42	26.280	.414
190.	13.348	34.493	2.37	26.287	.432
200.	13.334	34.493	2.41	26.285	.450
250.	13.155	34.491	2.37	26.315	.535
300.	11.693	34.482	1.90	26.532	.625
350.	11.100	34.480	.56	26.624	.701
400.	9.286	34.475	.43	26.731	.773
450.	9.277	34.469	.47	26.853	.840
500.	8.496	34.465	.58	26.948	.903
550.	7.887	34.463	.67	27.023	.961
600.	7.680	34.458	1.00	27.156	1.014
650.	6.336	34.458	1.22	27.198	1.067
700.	6.075	34.457	1.17	27.228	1.111
750.	5.654	34.458	1.23	27.286	1.159
758.	5.611	34.456	1.48	27.279	

CAST EP5-81-RS-003 DATE 25 OCT 81 TIME 1614 GMT
LAT 0 00.2S LONG 094 57.2W



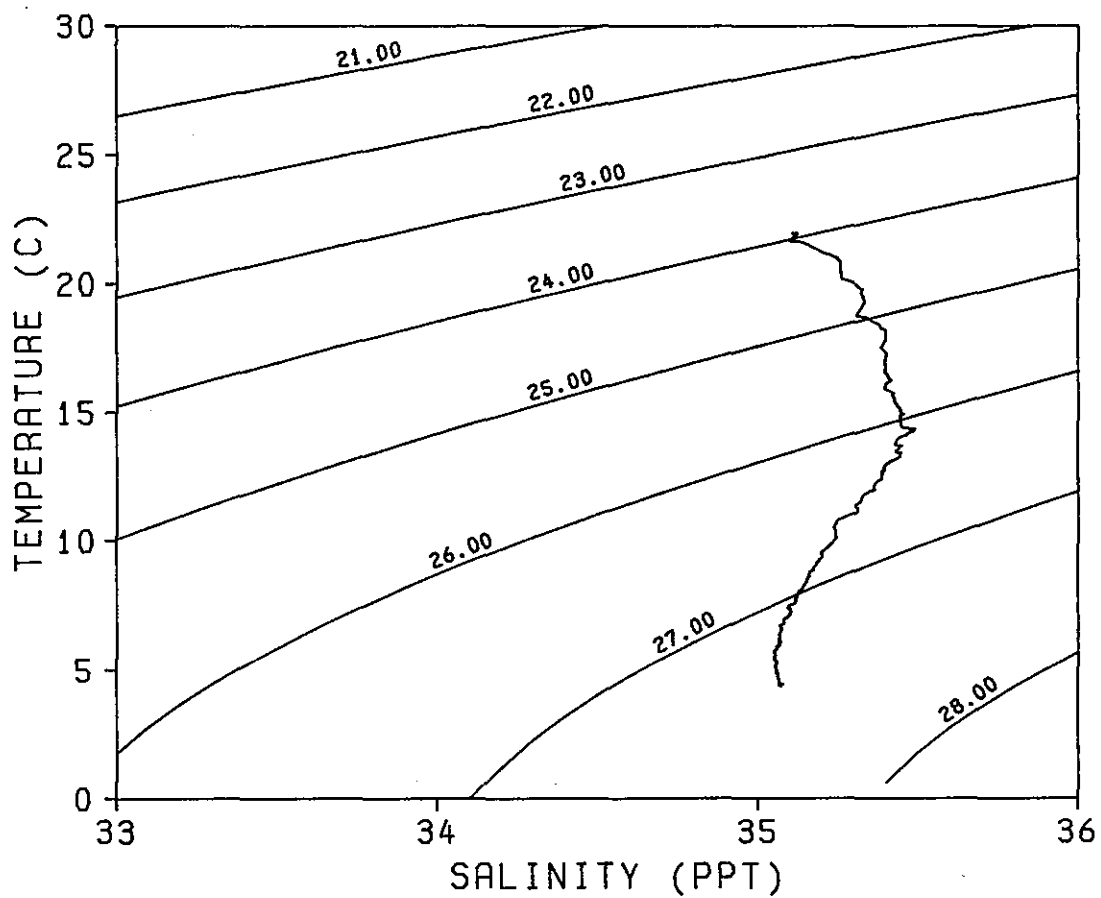
565



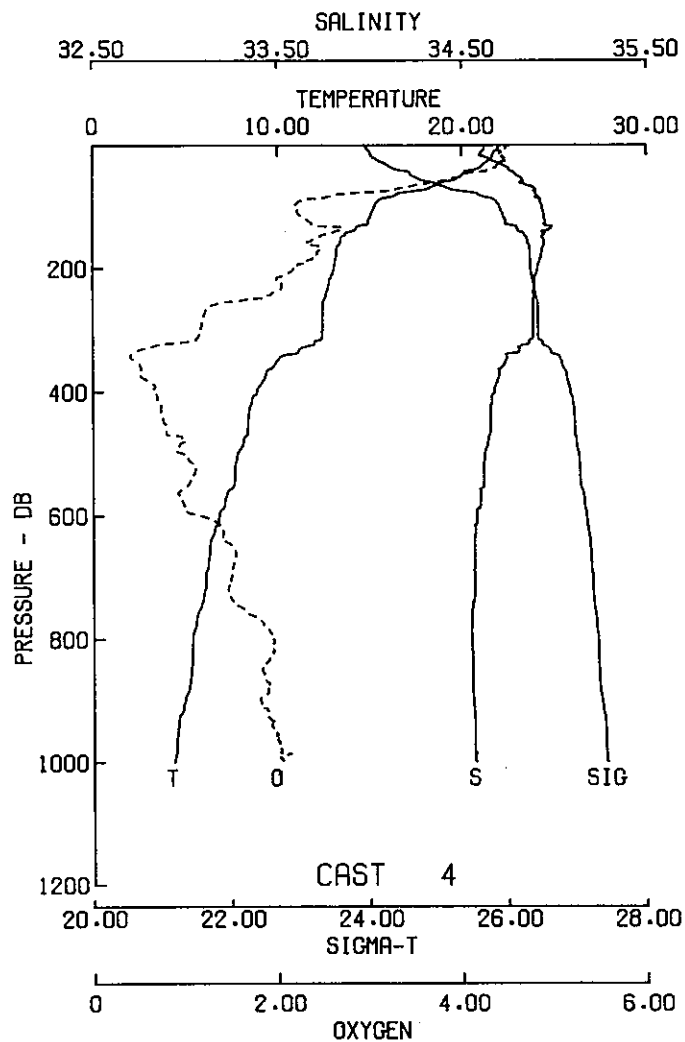
CAST EFS-R1-RS-003 DATE 25 OCT P1 TIME 1614 GMT
 LAT 0 CO 2S LONG 094 57.2W WEATHER SEA STAT
 BARCMFTR WIND DIR T SPD KT VISIBILITY
 CLOUD AMOUNT DRY WFT CPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (CYN-M)
0.	21.423	34.758	4.83	24.483	0.800
10.	19.580	34.790	4.71	24.624	0.834
20.	19.273	34.780	4.32	24.808	0.887
30.	18.838	34.787	4.23	24.917	0.917
40.	18.627	34.792	4.12	24.974	1.022
50.	18.230	34.800	4.07	25.075	1.157
60.	17.874	34.824	3.89	25.185	1.187
70.	17.737	34.834	3.72	25.222	1.214
80.	16.573	34.810	3.41	25.392	1.341
90.	15.824	34.896	2.66	25.724	1.265
100.	14.448	34.929	2.42	25.837	1.200
110.	14.625	34.935	2.42	26.024	1.305
120.	14.240	34.934	2.49	26.103	1.422
130.	14.110	34.987	2.66	26.171	1.544
140.	13.778	34.941	2.70	26.206	1.677
150.	13.458	34.920	2.68	26.255	1.825
160.	13.297	34.913	2.50	26.282	1.980
170.	13.077	34.906	2.30	26.322	2.142
180.	12.801	34.908	2.27	26.336	2.312
190.	12.599	34.918	2.45	26.347	2.494
200.	12.986	34.927	2.41	26.354	2.677
250.	12.869	34.913	2.24	26.370	2.860
300.	12.893	34.893	2.55	26.517	3.044
350.	12.654	34.875	2.59	26.667	3.231
400.	12.155	34.857	2.47	26.841	3.424
450.	11.871	34.878	2.59	26.906	3.624
500.	11.246	34.888	2.85	26.980	3.834
550.	10.726	34.862	2.85	27.040	4.057
600.	10.190	34.891	2.97	27.105	4.297
650.	9.688	34.891	1.10	27.168	4.557
700.	9.315	34.878	1.25	27.195	4.827
750.	8.089	34.878	1.42	27.225	5.107
800.	7.462	34.856	1.93	27.290	5.397
850.	6.335	34.859	2.00	27.310	5.697
900.	5.035	34.861	2.04	27.345	5.997
950.	4.415	34.899	2.22	27.376	6.297
1000.	4.503	34.875	2.53	27.414	6.597

CAST EP5-81-RS-004 DATE 26 OCT 81 TIME 2027 GMT
LAT 0 00.2S LONG 100 01.2W



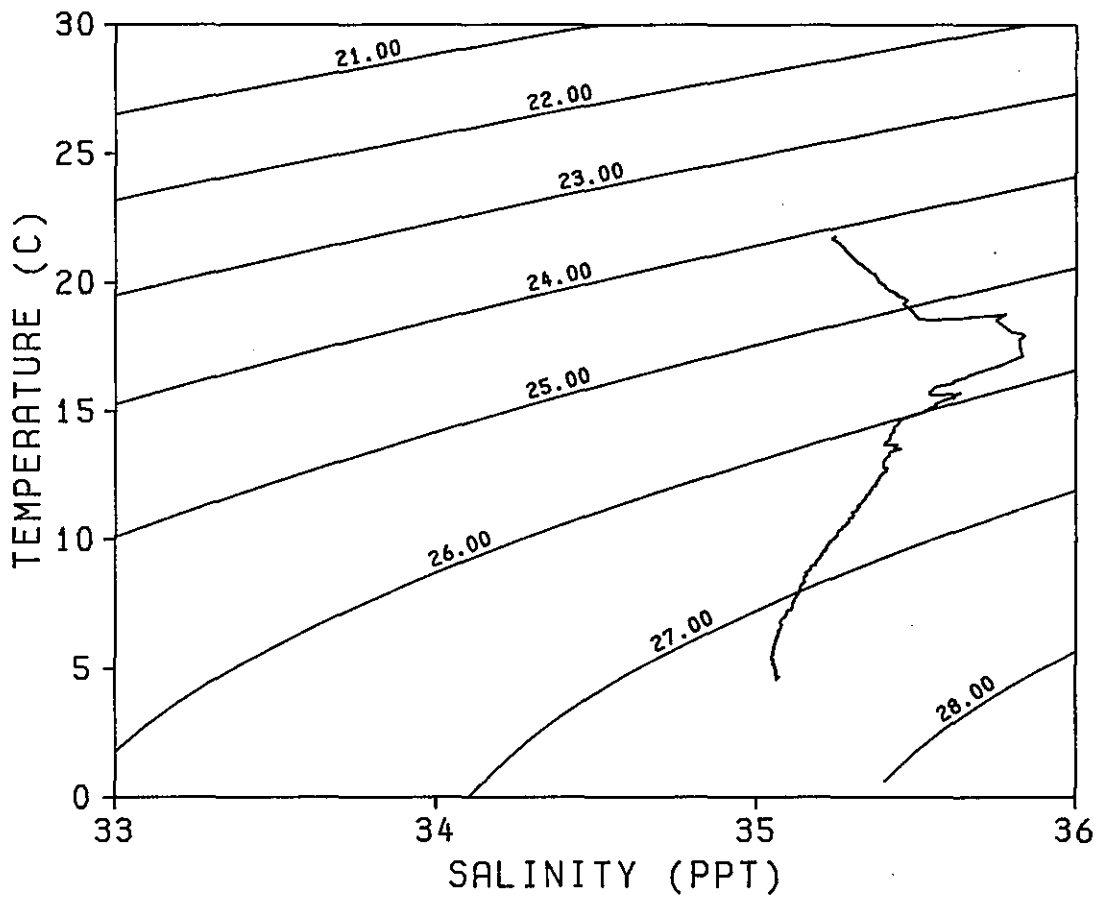
565



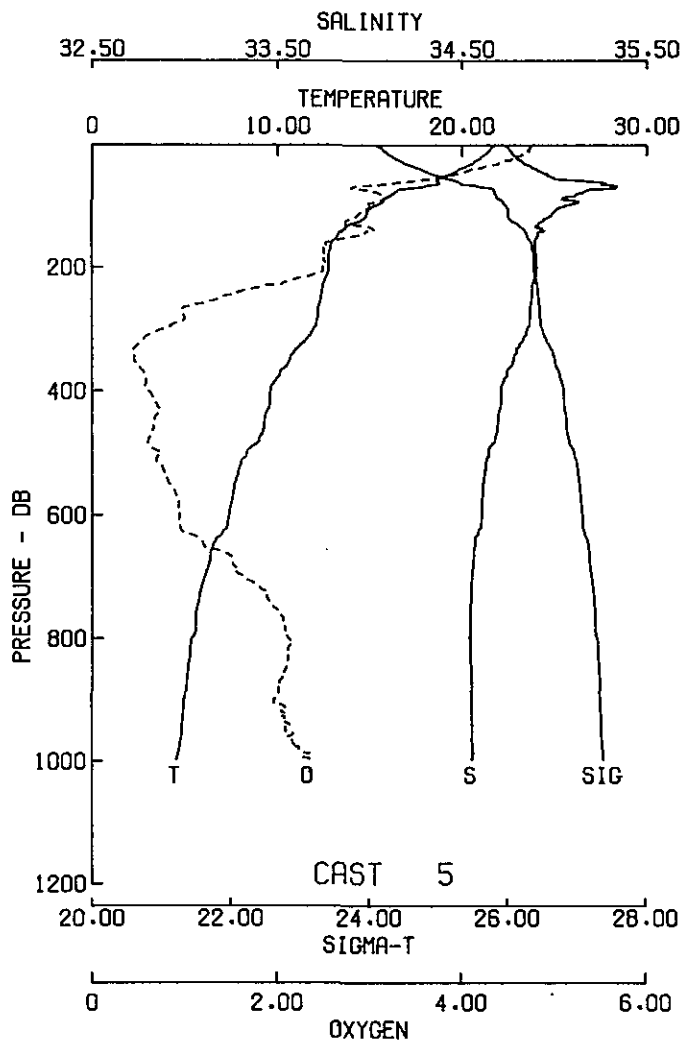
CAST EFF-F1-RS-C04 DATE 26 OCT 81 TIME 2027 GMT
 LAT 0 00.2S LONG 190 01.2W WEATHER SEA STATE
 PARCFMETER WIND DIR T SPD KT VISIBILITY
 CLCUD ANCLNT CRY WET DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	31.564	34.608	4.51	23.546	0.000
10.	31.776	34.610	4.40	24.007	.040
20.	31.636	34.632	4.43	24.058	.079
30.	31.195	34.705	4.42	24.234	.116
40.	30.670	34.758	4.27	24.416	.153
50.	30.591	34.807	4.00	24.534	.187
60.	30.532	34.817	3.66	24.516	.219
70.	30.214	34.900	3.32	25.159	.248
80.	30.469	34.905	3.64	25.583	.275
90.	30.500	34.927	3.26	25.822	.296
100.	30.257	34.935	3.19	25.882	.320
110.	30.095	34.943	3.23	25.924	.341
120.	30.541	34.947	3.31	25.961	.362
130.	30.634	34.946	3.40	26.026	.383
140.	30.031	34.942	3.62	26.153	.407
150.	30.437	34.936	3.45	26.272	.423
160.	30.385	34.944	3.32	26.385	.436
170.	30.206	34.934	3.46	26.317	.456
180.	30.174	34.929	3.39	26.320	.474
190.	30.123	34.920	3.28	26.324	.492
200.	30.061	34.910	3.17	26.324	.509
250.	30.524	34.886	1.67	26.417	.595
300.	30.429	34.886	1.17	26.435	.679
350.	30.576	34.736	.47	26.765	.757
400.	30.871	34.676	.67	26.504	.823
450.	30.385	34.652	.77	26.966	.882
500.	30.870	34.621	.95	27.022	.941
550.	30.642	34.617	1.03	27.046	.996
600.	30.820	34.580	1.17	27.134	1.050
650.	30.319	34.567	1.51	27.190	1.100
700.	30.085	34.569	1.49	27.227	1.148
750.	30.379	34.555	1.62	27.248	1.196
800.	30.370	34.552	1.54	27.298	1.241
850.	30.294	34.556	1.82	27.310	1.285
900.	30.543	34.560	1.81	27.354	1.328
950.	30.542	34.567	1.99	27.406	1.368
1000.	30.355	34.576	2.00	27.433	1.406

CAST EP5-81-RS-005 DATE 27 OCT 81 TIME 1916 GMT
LAT 00 00.1N LONG 104 59.0W



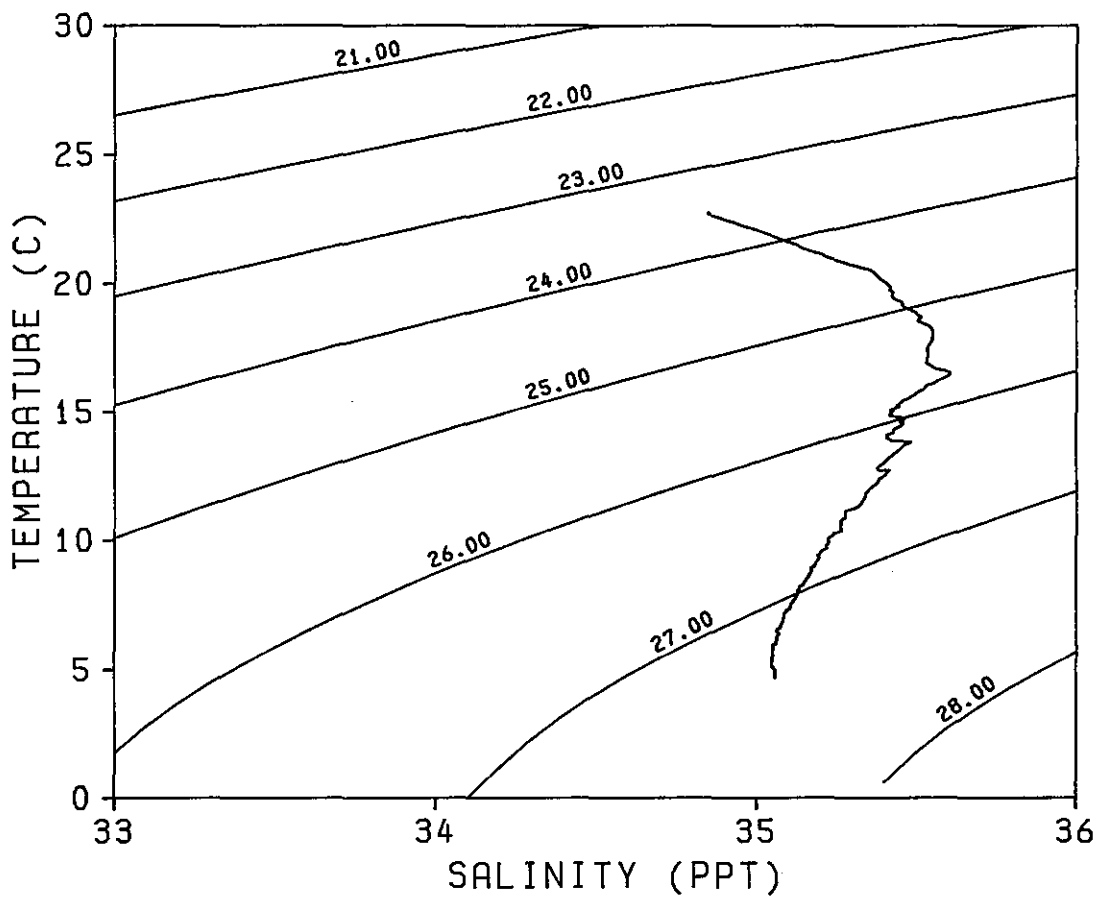
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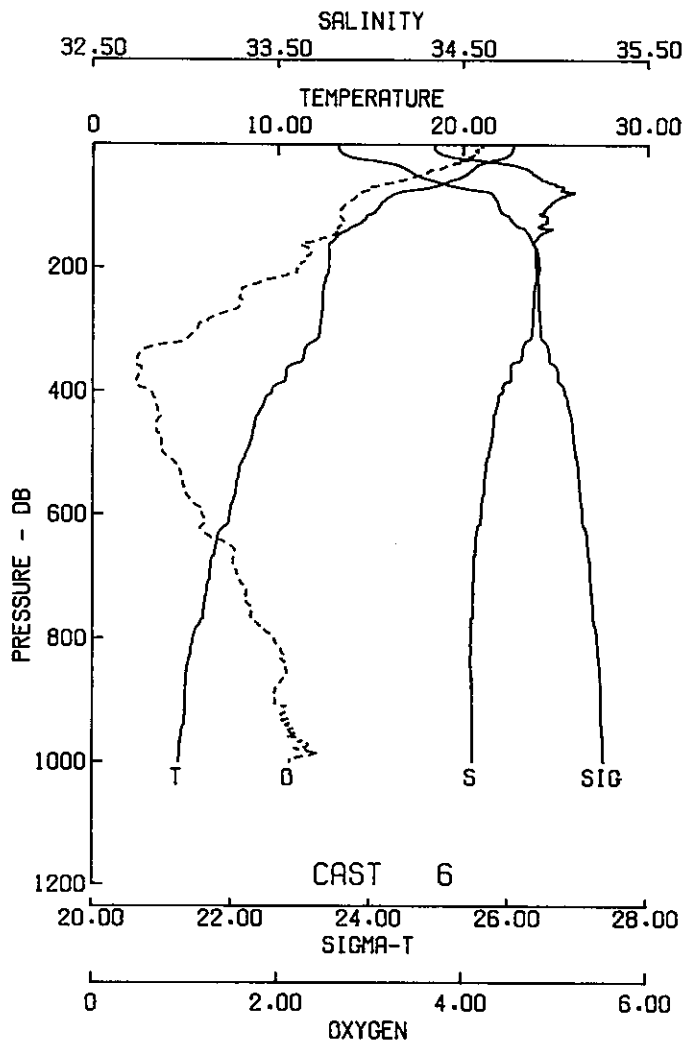
CAST EFF-81-RS-005 DATE 27 OCT 81 TIME 1916 GMT
 LAT 00 00.1N LONG 104 59.0W WEATHER SEA STATE
 BAROMETER WIND DIR T SPD KT VISIBILITY M
 CLOUD AMOUNT WIND CRY WET CPTH

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	21.798	34.743	4.68	24.097	0.000
10.	21.430	34.764	4.73	24.215	0.036
20.	21.034	34.792	4.61	24.345	0.074
30.	20.561	34.836	4.40	24.506	0.107
40.	19.793	34.903	4.08	24.760	0.147
50.	19.079	34.965	3.83	24.994	0.174
60.	18.747	34.955	3.57	25.297	0.202
70.	17.166	34.933	3.29	25.746	0.230
80.	16.168	34.917	3.12	25.815	0.250
90.	15.652	34.902	3.16	25.922	0.270
100.	15.177	34.889	3.19	25.999	0.290
110.	14.865	34.898	3.10	26.017	0.311
120.	14.688	34.957	3.00	26.024	0.334
130.	13.865	34.915	2.81	26.167	0.357
140.	13.538	34.951	2.96	26.263	0.372
150.	13.224	34.908	3.13	26.294	0.390
160.	12.943	34.899	3.32	26.343	0.407
170.	12.862	34.897	3.51	26.358	0.424
180.	12.784	34.905	3.51	26.380	0.442
190.	12.788	34.907	3.51	26.381	0.455
200.	12.788	34.908	3.49	26.382	0.470
250.	12.344	34.880	3.38	26.447	0.560
300.	11.954	34.860	3.77	26.506	0.641
350.	10.677	34.784	4.46	26.684	0.718
400.	9.629	34.715	5.51	26.812	0.787
450.	9.300	34.698	6.08	26.853	0.853
500.	8.343	34.650	7.74	26.967	0.916
550.	7.678	34.616	8.84	27.040	0.974
600.	7.374	34.610	9.55	27.077	1.022
650.	6.515	34.571	11.22	27.167	1.082
700.	5.069	34.555	11.63	27.214	1.131
750.	5.654	34.550	11.96	27.262	1.178
800.	5.374	34.545	12.13	27.292	1.223
850.	5.158	34.555	12.09	27.326	1.267
900.	4.966	34.561	11.97	27.352	1.305
950.	4.865	34.561	11.93	27.364	1.330
998.	4.555	34.561	12.55	27.395	1.351

CAST EP5-81-RS-006 DATE 28 OCT 81 TIME 1708 GMT
LAT 0 02.6S LONG 109 40.3W



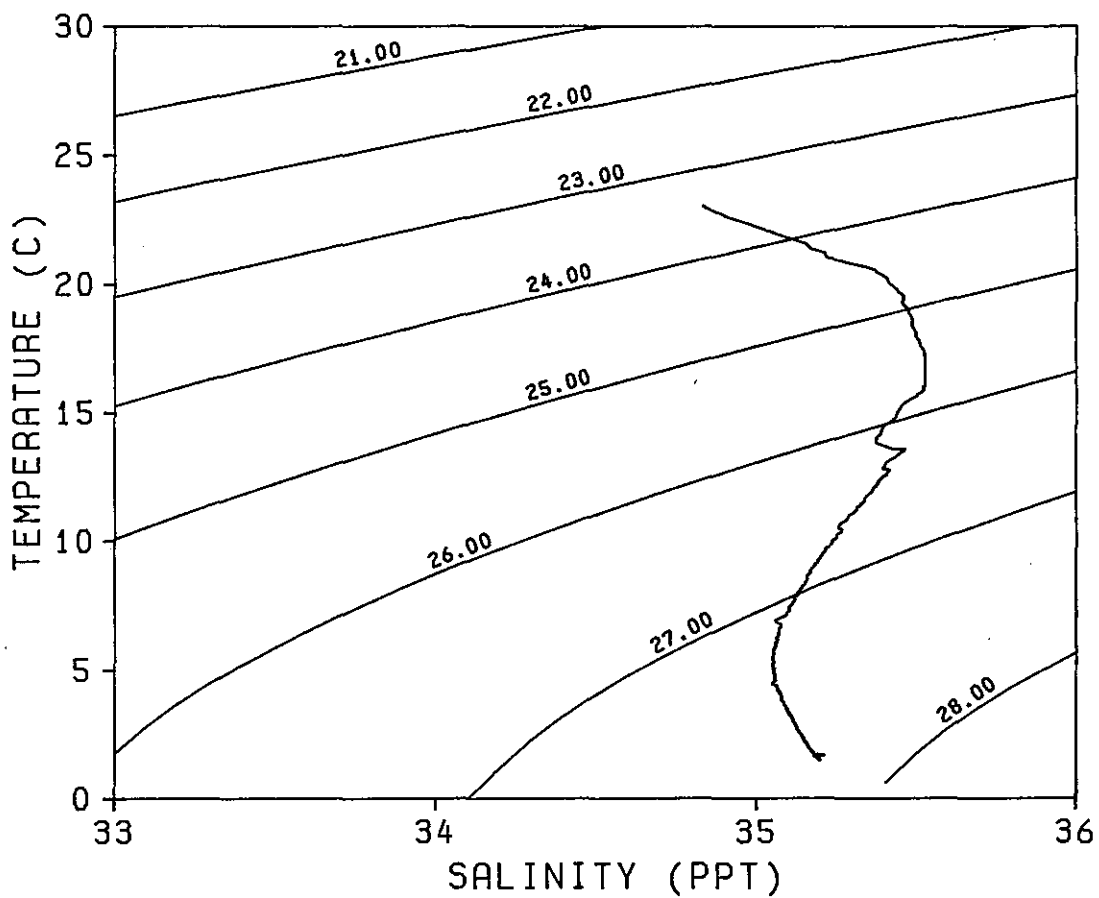
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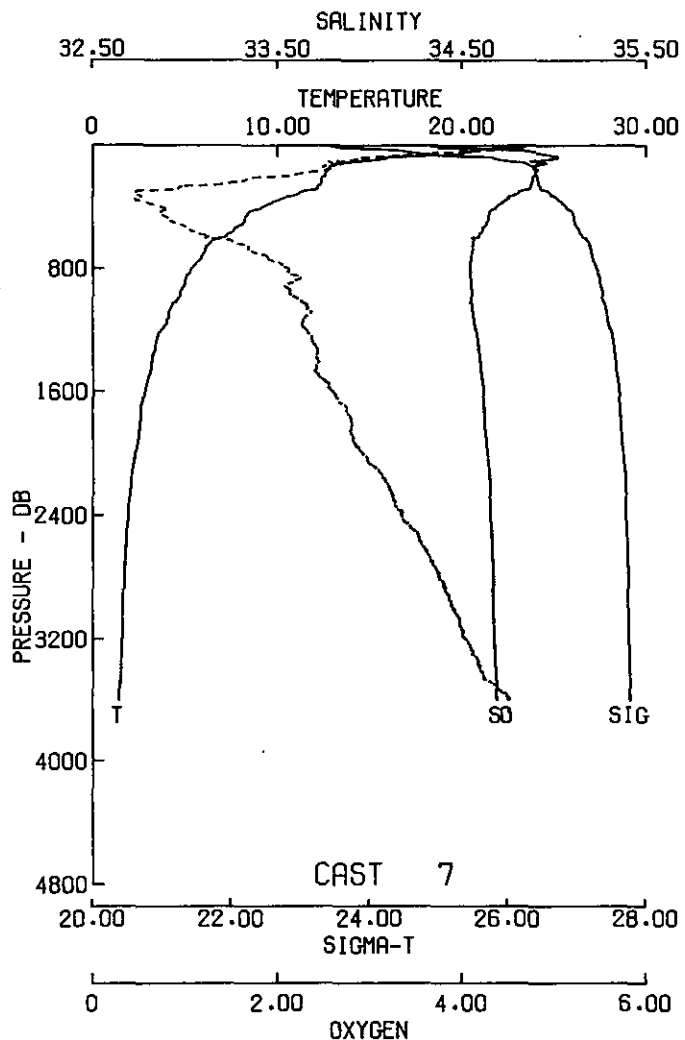
CAST EFF-R1-RS-006 DATE 2P OCT 81 TIME 1708 GMT
 LAT 0 22.6S LONG 109 40.3W WEATHER SEA STATE
 BAROMETER WIND DIR T SPD KT VISIBILITY DEPTH M
 CLOUD AMOUNT DRY WET

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (CYN-M)
0.	22.735	34.349	4.23	23.535	0.000
10.	22.665	34.352	4.13	23.557	.044
20.	22.570	34.428	4.10	23.698	.087
30.	22.444	34.470	3.94	24.247	.126
40.	22.285	34.567	3.73	24.511	.172
50.	22.076	34.895	3.53	24.679	.199
60.	21.823	34.955	3.27	24.645	.307
70.	21.644	34.951	3.07	24.588	.320
80.	21.495	34.881	2.88	24.508	.380
90.	21.373	34.805	2.80	24.425	.408
100.	21.277	34.733	2.71	24.345	.444
110.	21.211	34.659	2.67	24.267	.477
120.	21.173	34.596	2.70	24.191	.508
130.	21.144	34.524	2.69	24.117	.537
140.	21.133	34.451	2.64	24.045	.563
150.	21.130	34.377	2.57	23.976	.586
160.	21.133	34.304	2.27	23.910	.606
170.	21.139	34.231	2.34	23.844	.623
180.	21.152	34.158	2.33	23.778	.637
190.	21.170	34.085	2.29	23.713	.648
200.	21.193	34.012	2.24	23.648	.656
250.	21.290	34.088	1.58	23.436	.593
300.	21.420	34.164	1.13	23.460	.574
350.	21.570	34.231	.48	23.591	.753
400.	21.740	34.271	.62	23.807	.820
450.	21.930	34.277	.69	23.920	.890
500.	22.140	34.244	.76	24.071	.931
550.	22.370	34.166	.97	24.225	1.000
600.	22.620	34.033	1.15	24.371	1.066
650.	22.890	33.850	1.47	24.518	1.111
700.	23.180	33.615	1.58	24.666	1.147
750.	23.490	33.330	1.71	24.814	1.175
800.	23.820	33.000	1.55	24.962	1.195
850.	24.170	32.630	1.10	25.110	1.209
900.	24.540	32.225	1.97	25.258	1.214
950.	24.930	31.785	2.14	25.406	1.211
1000.	25.340	31.310	2.14	25.554	1.191

CAST EP5-81-RS-007 DATE 29 OCT 81 TIME 0640 GMT
LAT 0 01.1S LONG 110 16.2W

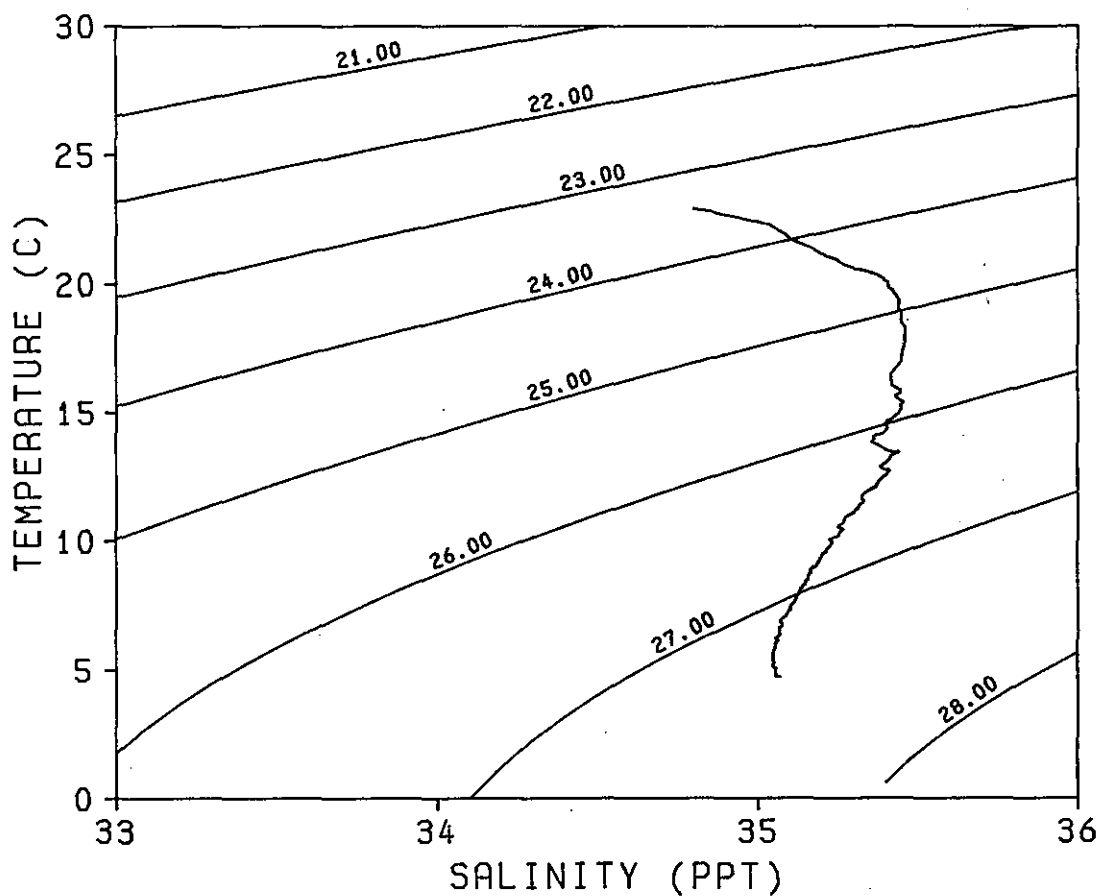


CAST FFF-81-RS-007 DATE 29 OCT 81 TIME 0640 GMT
 LAT 0 01.1S LONG 110 16.3W WEATHER SEA STATE
 BAROMETER WIND DIR T SPD VISIBILITY
 CLOUD AMPCUNT WIND DRY WET DEPTH

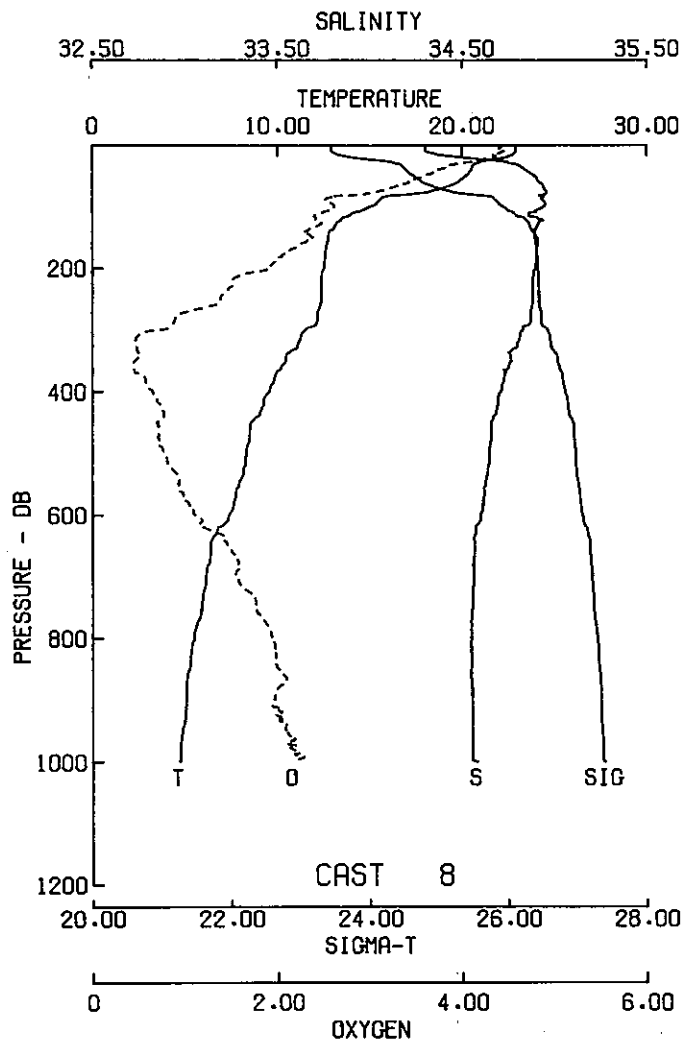


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-F)
0.	27.5	34.336	4.70	23.441	0.000
10.	27.7	34.344	4.58	23.474	.644
20.	27.7	34.344	4.57	23.489	.087
30.	27.7	34.344	4.27	24.370	.125
40.	27.7	34.344	3.94	24.536	.163
50.	27.7	34.344	3.65	24.706	.197
60.	27.7	34.344	3.45	24.945	.225
70.	27.7	34.344	3.21	25.242	.254
80.	27.7	34.344	2.92	25.594	.283
90.	27.7	34.344	2.64	25.955	.311
100.	27.7	34.344	2.37	26.321	.339
110.	27.7	34.344	2.08	26.689	.367
120.	27.7	34.344	1.78	27.057	.395
130.	27.7	34.344	1.48	27.425	.423
140.	27.7	34.344	1.18	27.793	.451
150.	27.7	34.344	.88	28.161	.479
160.	27.7	34.344	.58	28.529	.507
170.	27.7	34.344	.28	28.897	.535
180.	27.7	34.344	.00	29.265	.563
190.	27.7	34.344	.00	29.633	.591
200.	27.7	34.344	.00	30.001	.619
250.	27.7	34.344	1.41	26.446	.657
300.	27.7	34.344	.48	26.598	.695
350.	27.7	34.344	.48	26.745	.733
400.	27.7	34.344	.77	26.857	.771
450.	27.7	34.344	.78	26.966	.809
500.	27.7	34.344	.91	27.084	.847
550.	27.7	34.344	1.07	27.203	.885
600.	27.7	34.344	1.24	27.321	.923
650.	27.7	34.344	1.41	27.439	.961
700.	27.7	34.344	1.58	27.557	.999
750.	27.7	34.344	1.75	27.675	1.037
800.	27.7	34.344	1.92	27.793	1.075
850.	27.7	34.344	2.10	27.911	1.113
900.	27.7	34.344	2.28	28.029	1.151
950.	27.7	34.344	2.45	28.147	1.189
1000.	27.7	34.344	2.63	28.265	1.227
1500.	27.7	34.344	2.45	27.590	1.733
2000.	27.7	34.344	2.43	27.681	2.061
2500.	27.7	34.344	3.49	27.737	2.389
3000.	27.7	34.344	3.92	27.766	2.717
3500.	27.7	34.344	4.35	27.786	3.045
3600.	27.7	34.344	4.51	27.789	3.373

CAST EP5-81-RS-008 DATE 29 OCT 81 TIME 1222 GMT
LAT 0 02.4S LONG 110 17.5W



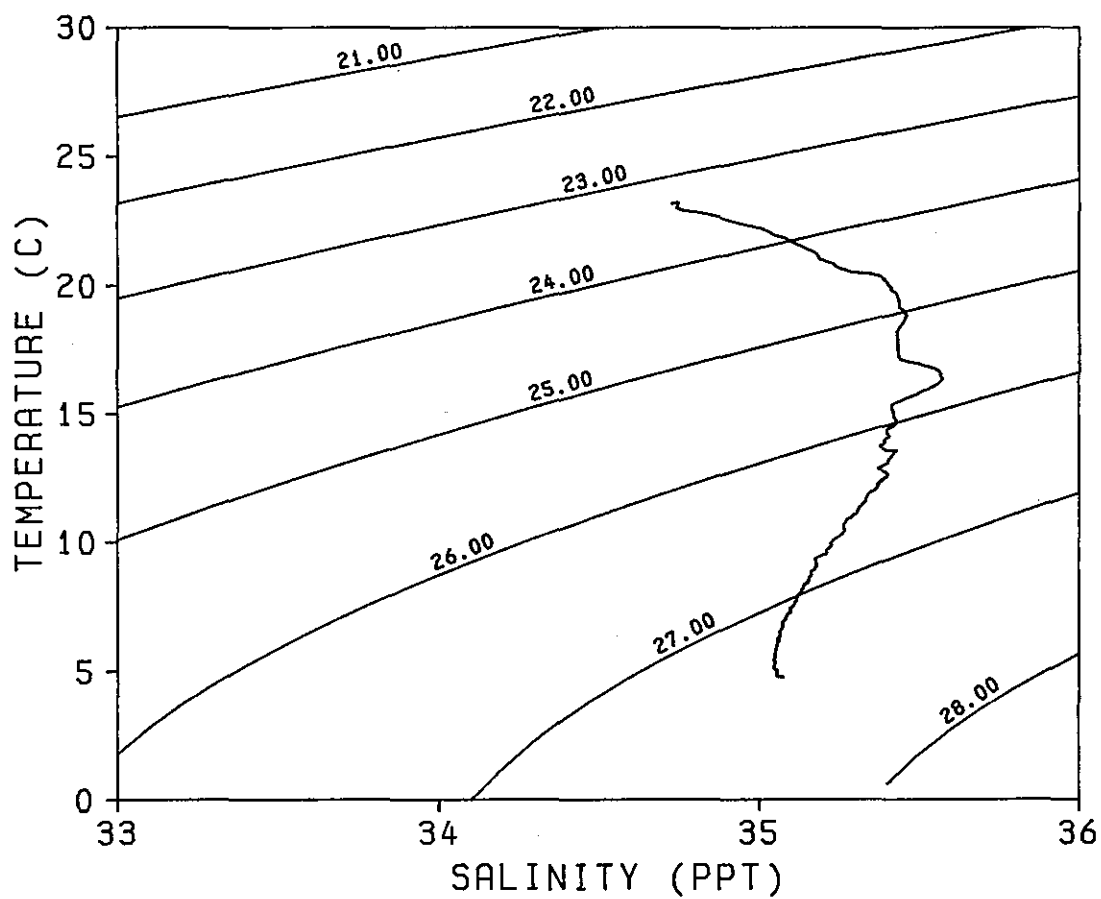
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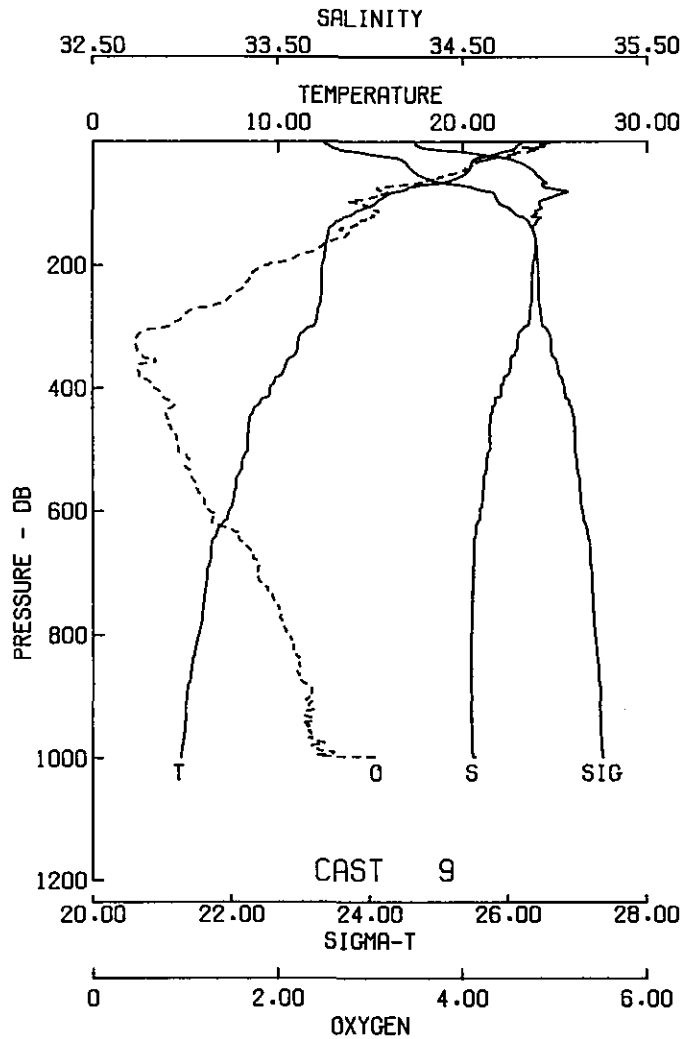
CAST EPE-81-RS-008 DATE 29 OCT 81 TIME 1222 GMT
 LAT 12.45 LCNG 110 17.5W WEATHER SFA STATE
 BAROMETER WIND DIR T SPD KT VISIBILITY
 CLOUD AMOUNT DRY WET DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (CYA-M)
0	22.530	34.300	4.43	23.443	0.000
10	22.904	34.307	4.44	23.455	.044
20	22.718	34.534	4.31	23.799	.088
30	20.677	34.791	3.92	24.444	.125
40	20.477	34.845	3.74	24.535	.160
50	20.196	34.896	3.57	24.644	.194
60	19.767	34.921	3.41	24.780	.226
70	18.507	34.949	3.22	25.022	.257
80	16.946	34.947	2.90	25.300	.285
90	15.494	34.941	2.55	25.844	.306
100	15.042	34.941	2.62	25.954	.325
110	14.109	34.866	2.47	26.079	.350
120	13.464	34.915	2.41	26.225	.366
130	13.139	34.909	2.45	26.312	.387
140	12.819	34.887	2.30	26.456	.404
150	12.768	34.907	2.36	26.388	.421
160	12.691	34.909	2.26	26.400	.438
170	12.617	34.902	2.13	26.411	.455
180	12.586	34.901	2.06	26.417	.471
190	12.557	34.899	1.97	26.420	.488
200	12.534	34.897	1.90	26.424	.505
250	12.472	34.881	1.38	26.443	.587
300	11.521	34.830	.79	26.566	.666
350	10.433	34.766	.46	26.711	.744
400	9.554	34.709	.66	26.819	.812
450	8.565	34.654	.70	26.936	.875
500	8.289	34.647	.76	26.973	.935
550	7.906	34.626	.93	27.015	.994
600	7.468	34.600	1.12	27.073	1.050
650	7.281	34.567	1.48	27.182	1.102
700	7.125	34.562	1.56	27.211	1.151
750	7.062	34.555	1.75	27.236	1.194
800	7.477	34.550	1.95	27.283	1.244
850	5.210	34.547	2.01	27.313	1.288
900	5.056	34.554	1.96	27.337	1.331
950	4.848	34.556	2.14	27.368	1.377
1000	4.705	34.583	2.17	27.400	1.414

CAST EP5-81-RS-009 DATE 29 OCT 81 TIME 2241 GMT
LAT 00 00.6N LONG 110 23.0W



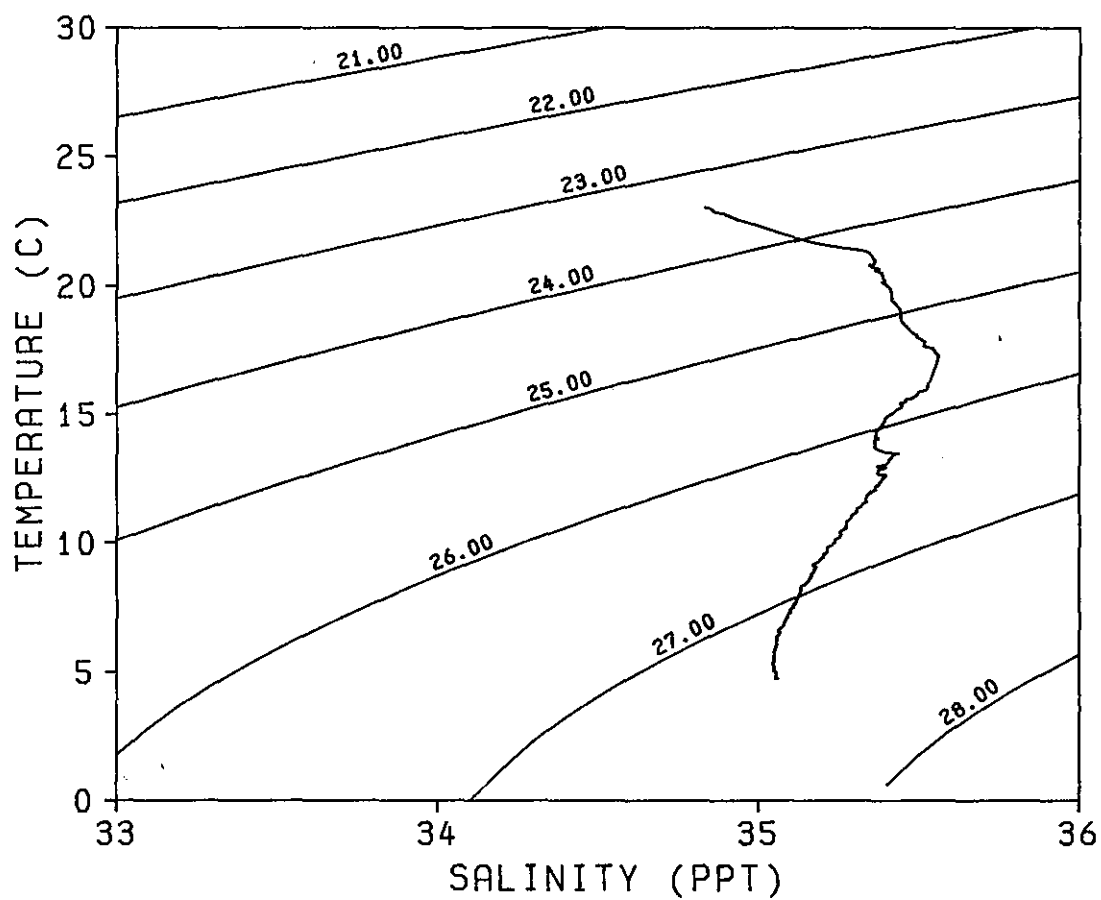
575



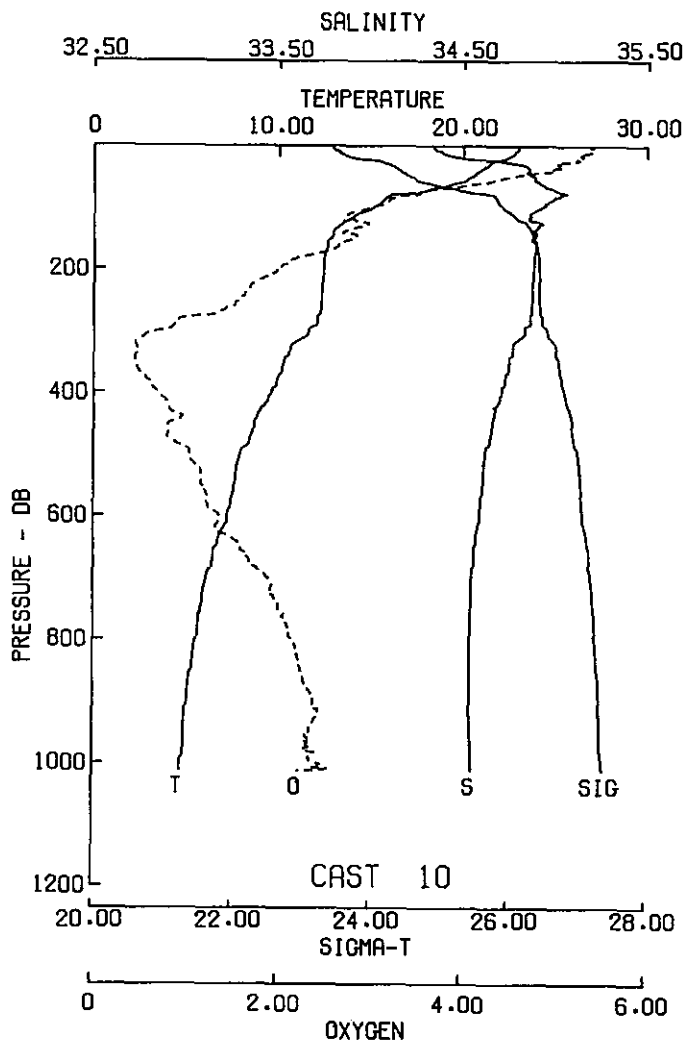
CAST EFF-F1-RS-009 DATE 29 OCT 81 TIME 2241 GMT
 LAT 00.00 N LONG 110 22.0 W WEATHER SEA STATE
 PARAMETER WIND DIR T SPD KT VISIBILITY P
 CLOUD AMCLNT DRY WET DEPTH

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYA-P)
0.	23.154	34.228	5.04	23.323	0.000
10.	22.867	34.277	4.65	23.443	.045
20.	21.646	34.579	4.61	23.959	.088
30.	20.472	34.775	4.25	24.456	.124
40.	20.437	34.854	4.08	24.546	.156
50.	20.204	34.899	3.94	24.643	.192
60.	19.666	34.930	3.68	24.813	.225
70.	17.932	34.931	3.37	25.253	.258
80.	16.639	34.906	3.15	25.666	.281
90.	15.711	34.982	3.02	25.817	.303
100.	15.266	34.916	2.89	25.864	.325
110.	14.822	34.929	2.80	25.833	.347
120.	14.857	34.894	2.80	26.153	.370
130.	13.163	34.903	2.90	26.303	.384
140.	12.803	34.882	2.69	26.358	.401
150.	12.738	34.894	2.74	26.381	.418
160.	12.638	34.901	2.62	26.402	.435
170.	12.488	34.899	2.48	26.413	.453
180.	12.299	34.899	2.32	26.419	.468
190.	12.209	34.893	2.17	26.425	.483
200.	12.415	34.883	1.89	26.437	.500
250.	11.755	34.879	1.49	26.444	.534
300.	11.809	34.836	.81	26.516	.666
350.	10.763	34.769	.55	26.657	.743
400.	9.573	34.711	.28	26.818	.811
450.	8.466	34.654	.81	26.951	.875
500.	8.383	34.650	.92	26.961	.934
550.	7.728	34.617	1.09	27.033	.993
600.	7.338	34.598	1.26	27.077	1.048
650.	6.417	34.566	1.62	27.177	1.101
700.	5.162	34.561	1.77	27.206	1.150
750.	5.561	34.553	1.98	27.225	1.195
800.	5.786	34.549	2.10	27.255	1.241
850.	5.234	34.544	2.22	27.297	1.291
900.	5.040	34.551	2.35	27.336	1.334
950.	4.588	34.554	2.31	27.345	1.377
999.	4.767	34.565	3.09	27.376	

CAST EP5-81-RS-010 DATE 30 OCT 81 TIME 1122 GMT
LAT 00 02.3N LONG 111 14.6W



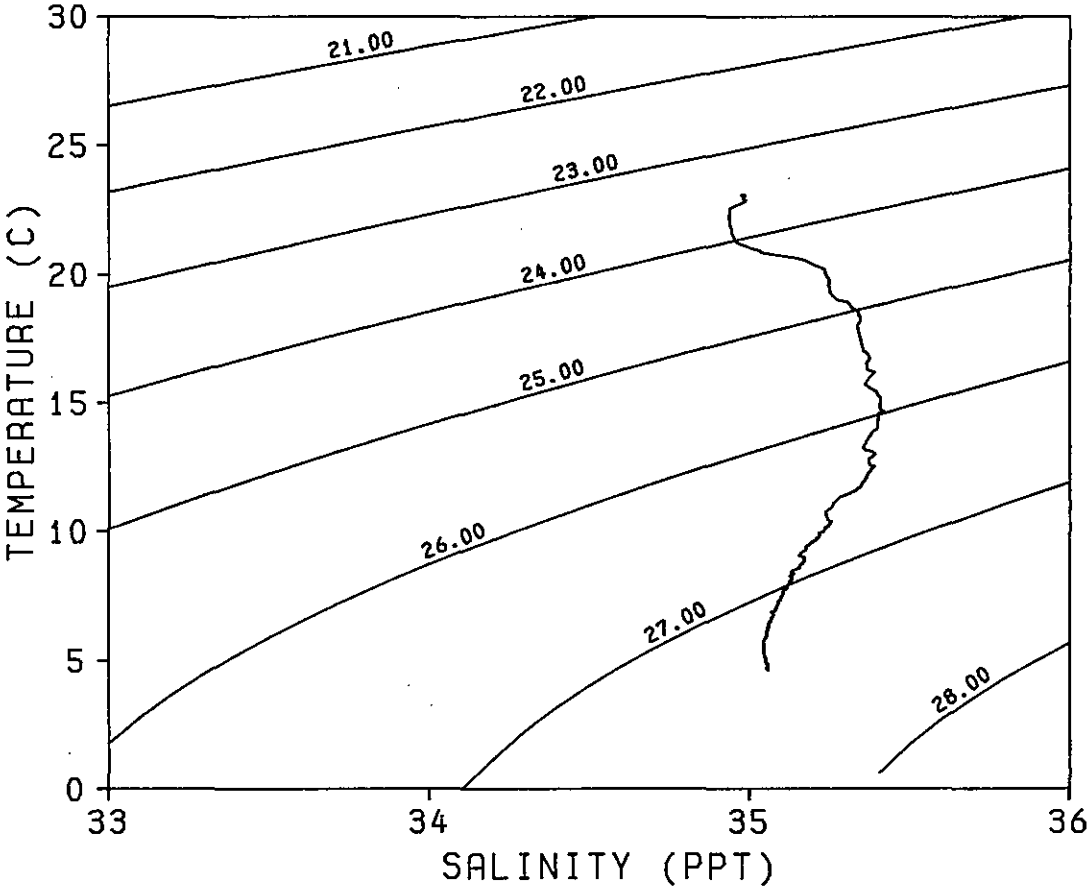
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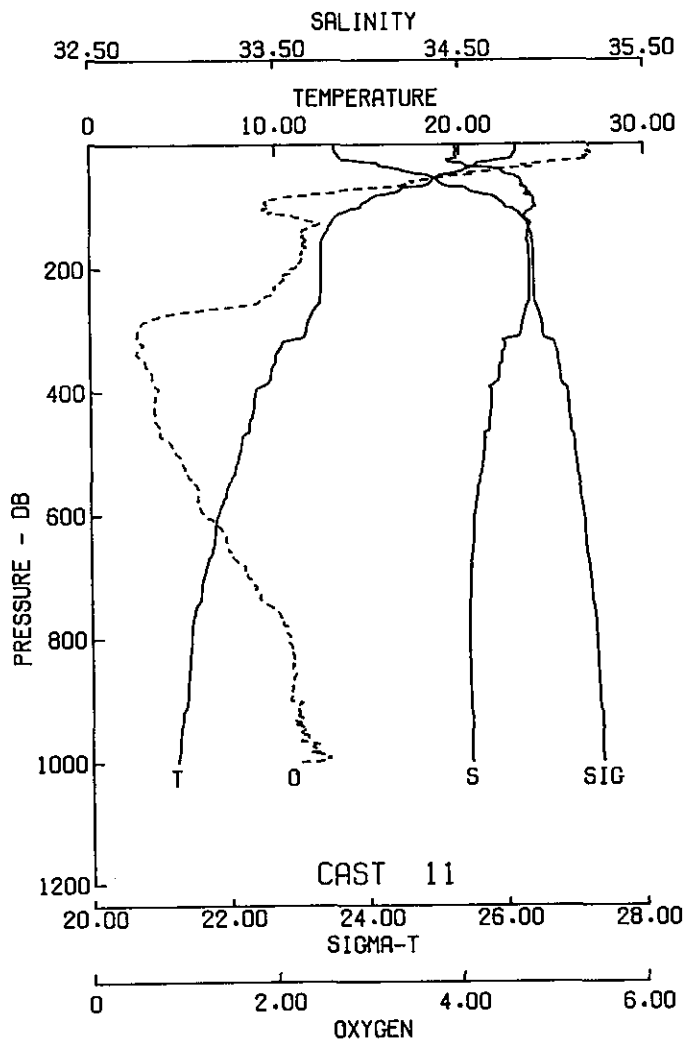
CAST EFF-21-RS-010 DATE 30 OCT 81 TIME 1122 GMT
 LAT 00 02.3N LONG 111 14.6W WEATHER SEA STATE
 BAROMETER WIND DIR T SPD KT VISIBILITY M
 CLOUD AMOUNT TRY WET DEPTH

FRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-P (DYA-M)
0.	23.040	34.332	5.41	23.435	0.300
10.	22.813	34.387	5.41	23.542	.044
20.	22.708	34.504	5.24	23.777	.087
30.	21.282	34.813	5.05	24.267	.126
40.	20.929	34.858	4.95	24.423	.161
50.	20.463	34.882	4.49	24.567	.196
60.	19.589	34.451	4.20	24.820	.220
70.	18.147	34.981	3.59	25.238	.256
80.	16.024	34.030	3.38	25.782	.284
90.	15.591	34.957	3.19	25.824	.307
100.	15.089	34.921	3.03	25.808	.328
110.	14.293	34.862	2.76	26.035	.346
120.	13.771	34.858	2.82	26.143	.366
130.	13.297	34.910	2.94	26.280	.387
140.	12.953	34.895	2.89	26.338	.408
150.	12.862	34.881	2.83	26.343	.422
160.	12.862	34.897	2.65	26.400	.435
170.	12.567	34.894	2.54	26.414	.456
180.	12.456	34.883	2.22	26.428	.472
190.	12.432	34.882	2.10	26.433	.488
200.	12.417	34.880	2.01	26.433	.505
250.	12.345	34.876	1.58	26.444	.588
300.	11.607	34.837	.73	26.555	.670
350.	10.322	34.754	.46	26.723	.744
400.	9.634	34.711	.70	26.807	.813
450.	8.702	34.664	.82	26.922	.877
500.	7.565	34.622	1.05	27.000	.937
550.	7.615	34.511	1.17	27.044	.997
600.	7.282	34.597	1.37	27.083	1.048
650.	6.650	34.567	1.50	27.146	1.101
700.	6.146	34.556	1.89	27.204	1.151
750.	5.831	34.551	2.00	27.240	1.198
800.	5.605	34.547	2.17	27.265	1.245
850.	5.357	34.545	2.26	27.294	1.297
900.	5.107	34.547	2.35	27.325	1.333
950.	4.588	34.553	2.55	27.344	1.376
1000.	4.739	34.556	2.43	27.375	1.416
1012.	4.738	34.557	2.23	27.376	

CAST EP5-81-RS-011 DATE 31 OCT 81 TIME 0248 GMT
LAT 00 36.7N LONG 109 36.2W



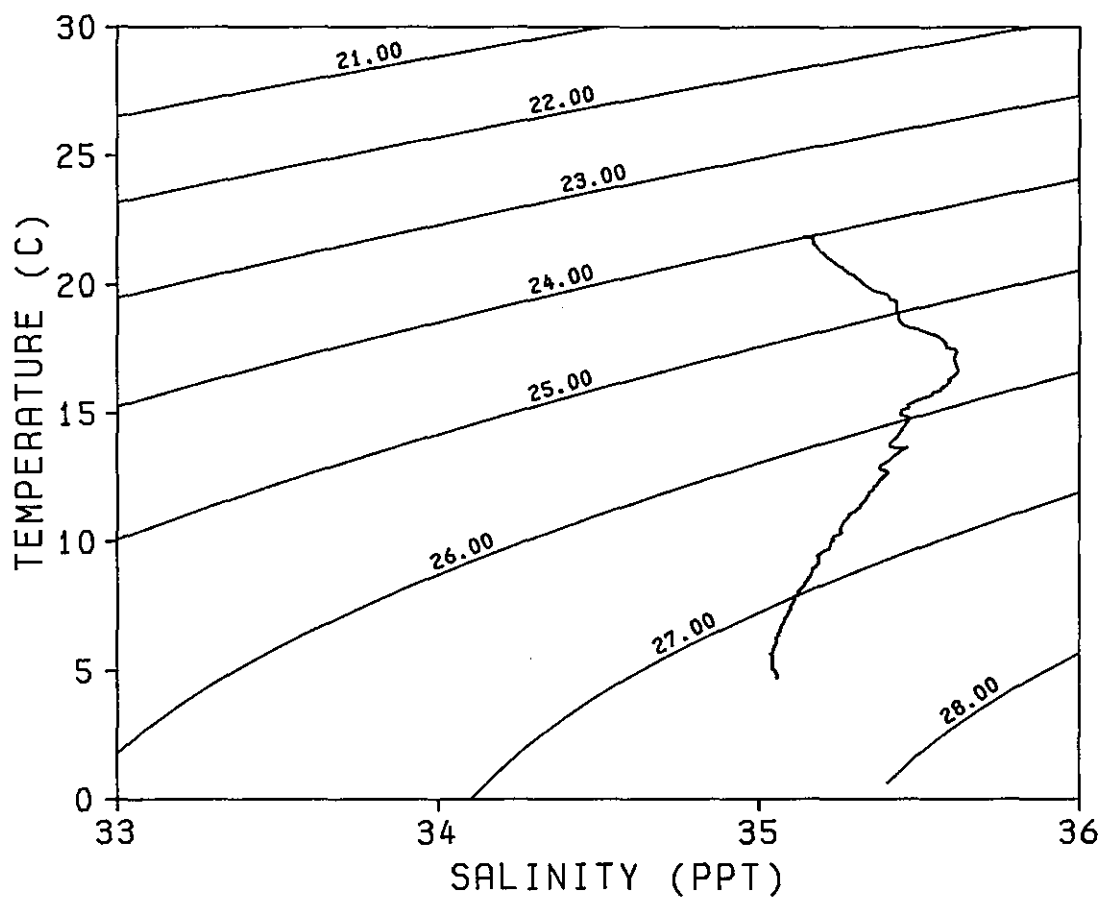
579



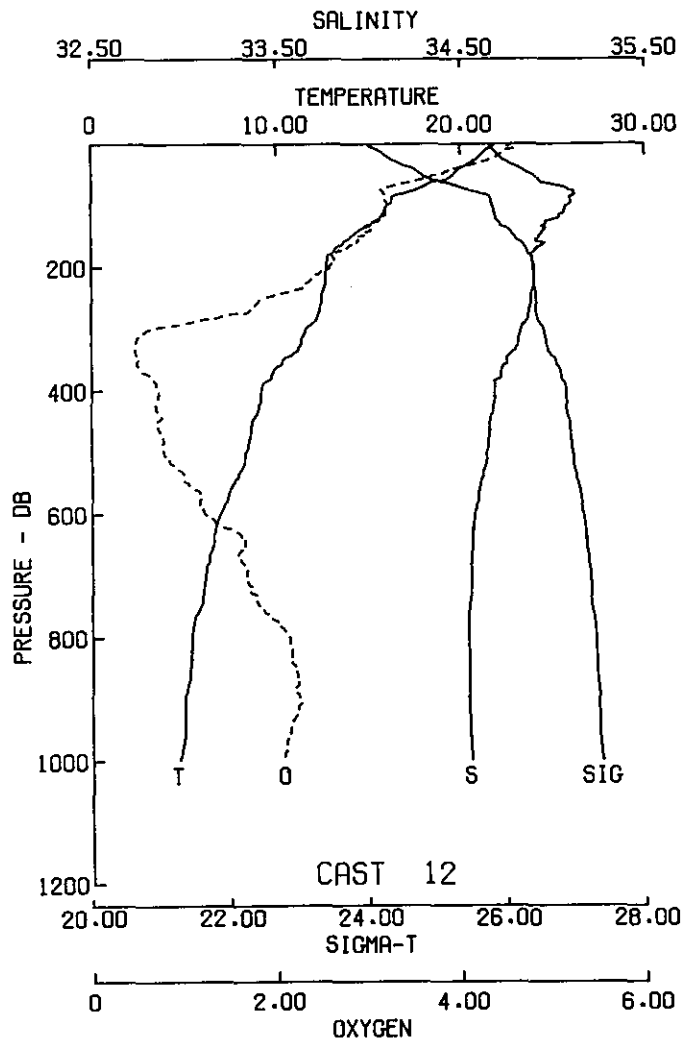
CAST FFE-81-RS-011 DATE 31 OCT 81 TIME 0248 GMT
 LAT 00 36.7N LONG 169 36.2W WEATHER SEA STATE
 BAROMETER WIND DIR T SPD KT VISIBILITY
 CLOUD APCLNT DRY WET

PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (CYN-M)
0.	23.050	34.474	5.36	23.526	0.000
10.	23.075	34.483	5.42	23.538	0.044
20.	23.084	34.484	5.41	23.549	0.087
30.	23.076	34.451	5.43	23.549	0.130
40.	23.032	34.471	4.41	23.481	0.145
50.	23.022	34.479	3.96	23.490	0.199
60.	23.033	34.483	3.48	23.542	0.230
70.	23.061	34.486	3.00	23.543	0.277
80.	23.032	34.482	2.38	23.556	0.300
90.	23.048	34.490	1.89	23.590	0.308
100.	23.056	34.486	1.93	23.599	0.314
110.	23.07	34.485	1.93	23.599	0.314
120.	23.07	34.485	1.93	23.599	0.314
130.	23.078	34.480	2.46	23.632	0.387
140.	23.088	34.486	2.29	23.645	0.397
150.	23.088	34.487	2.31	23.638	0.414
160.	23.077	34.483	2.29	23.640	0.444
170.	23.037	34.483	2.34	23.640	0.444
180.	23.038	34.488	2.30	23.641	0.463
190.	23.036	34.488	2.29	23.641	0.488
200.	23.028	34.488	2.20	23.641	0.498
250.	23.064	34.488	1.83	23.642	0.588
300.	23.089	34.486	1.52	23.653	0.654
350.	23.086	34.473	1.59	23.676	0.754
400.	23.020	34.467	1.71	23.689	0.804
450.	23.029	34.465	1.70	23.693	0.864
500.	23.029	34.462	1.92	23.699	0.923
550.	23.047	34.460	1.13	23.705	0.988
600.	23.044	34.459	1.24	23.712	1.033
650.	23.029	34.455	1.47	23.714	1.088
700.	23.055	34.455	1.68	23.721	1.134
750.	23.031	34.455	1.96	23.725	1.181
800.	23.075	34.455	2.13	23.729	1.227
850.	23.044	34.454	2.17	23.731	1.270
900.	23.096	34.454	2.14	23.732	1.314
950.	23.077	34.454	2.27	23.737	1.358
1000.	23.061	34.455	2.19	23.739	1.402

CAST EP5-81-RS-012 DATE 31 OCT 81 TIME 2050 GMT
LAT 00 02.0N LONG 109 29.7W



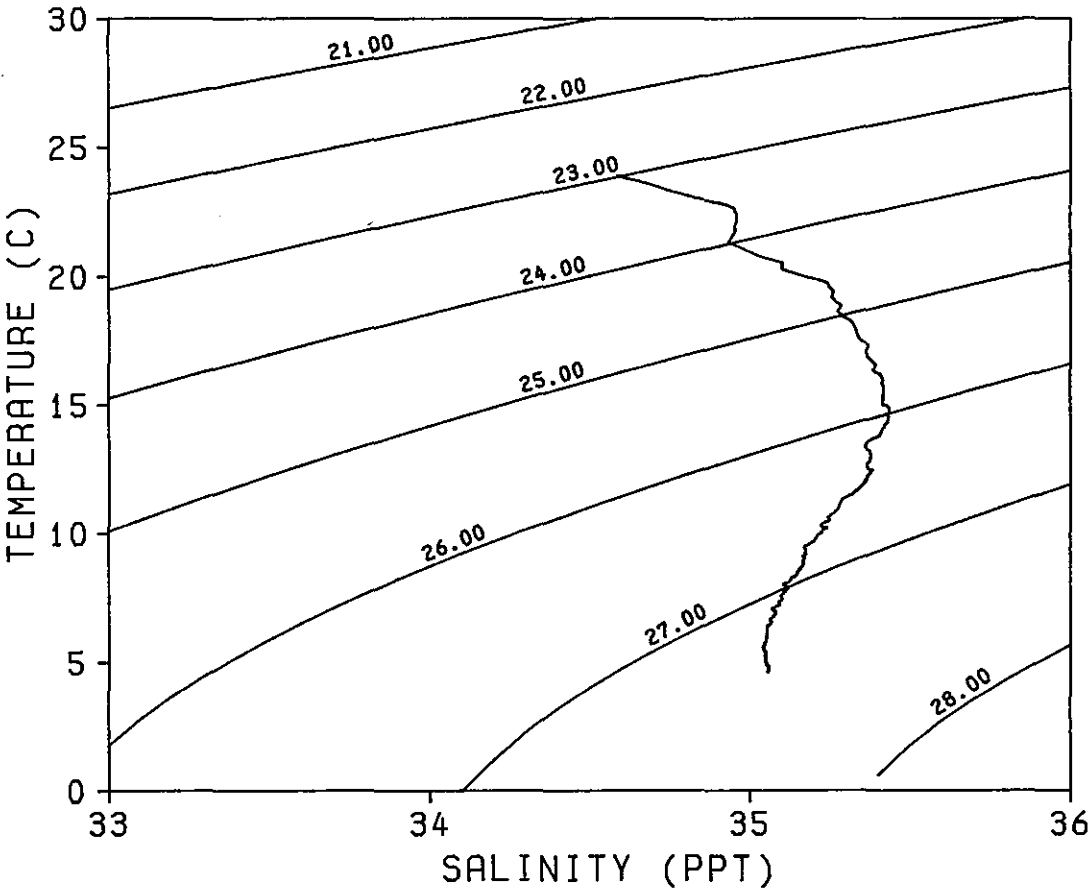
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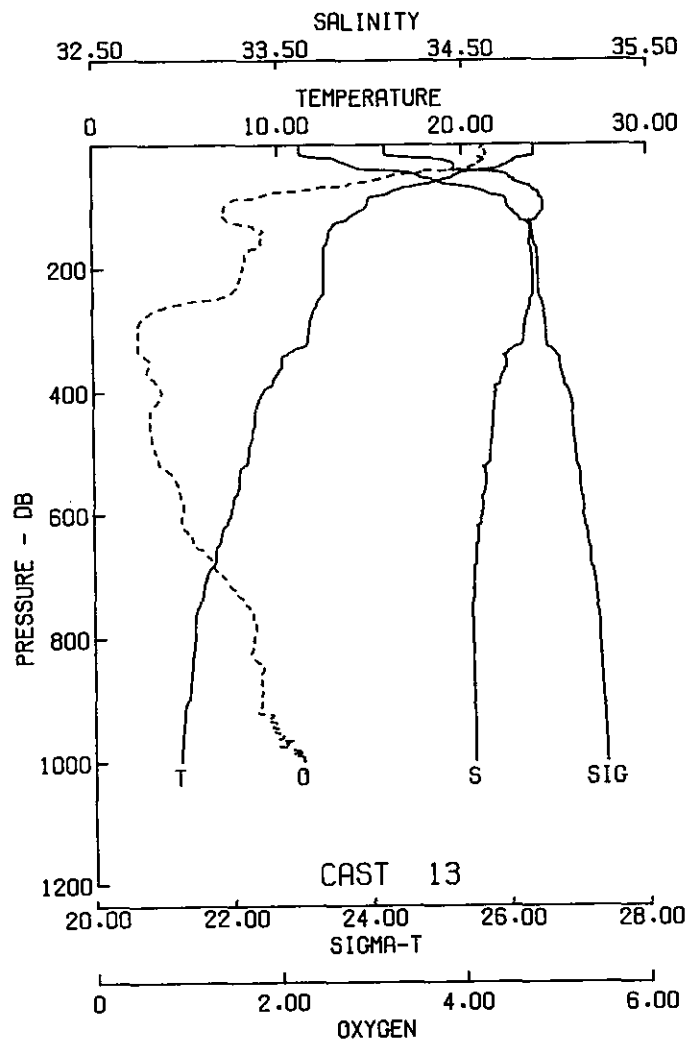


CAST EFF-01-RS-012 DATE 31 OCT 81 TIME 2050 GMT
 LAT 02.00N LONG 109 29.7W WEATHER SEA STATE
 BAROMETER WIND DIR T SPD VISIBILITY
 CLOUD AMOUNT DRY WET KT CEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DLTA-D (PPT-M)
0.	21.863	34.637	4.57	23.998	0.600
10.	21.426	34.682	4.49	24.154	.030
20.	21.064	34.714	4.41	24.276	.170
30.	20.721	34.760	4.23	24.432	.110
40.	20.563	34.834	3.95	24.663	.140
50.	20.653	34.887	3.77	24.784	.170
60.	20.734	34.928	3.52	25.000	.200
70.	20.779	34.959	3.20	25.339	.230
80.	20.811	34.986	3.17	25.616	.280
90.	20.827	34.996	3.17	25.776	.280
100.	20.801	34.984	3.22	25.811	.300
110.	20.806	34.967	3.20	25.838	.300
120.	20.697	34.936	3.16	25.861	.300
130.	20.196	34.966	3.01	25.919	.474
140.	20.526	34.951	3.04	26.054	.495
150.	20.096	34.936	2.90	26.127	.414
160.	20.651	34.946	2.88	26.236	.434
170.	20.243	34.914	2.74	26.294	.450
180.	20.845	34.874	2.62	26.344	.460
190.	20.775	34.893	2.65	26.372	.480
200.	20.729	34.900	2.57	26.387	.504
250.	20.447	34.880	1.86	26.427	.588
300.	20.640	34.829	.64	26.543	.671
350.	20.666	34.755	.53	26.715	.747
400.	20.183	34.684	.71	26.861	.814
450.	20.711	34.659	.71	26.916	.877
500.	20.338	34.640	.78	26.959	.938
550.	20.696	34.607	1.05	27.030	.997
600.	20.571	34.576	1.24	27.109	1.051
650.	20.599	34.566	1.66	27.152	1.103
700.	20.140	34.555	1.68	27.206	1.150
750.	20.870	34.555	1.83	27.231	1.200
800.	20.556	34.543	2.14	27.288	1.246
850.	20.297	34.543	2.19	27.299	1.290
900.	20.028	34.544	2.25	27.332	1.334
950.	20.004	34.544	2.14	27.339	1.376
999.	4.697	34.550	2.09	27.380	

CAST EP5-81-RS-013 DATE 01 NOV 81 TIME 0245 GMT
LAT 01 02.0N LONG 109 37.9W

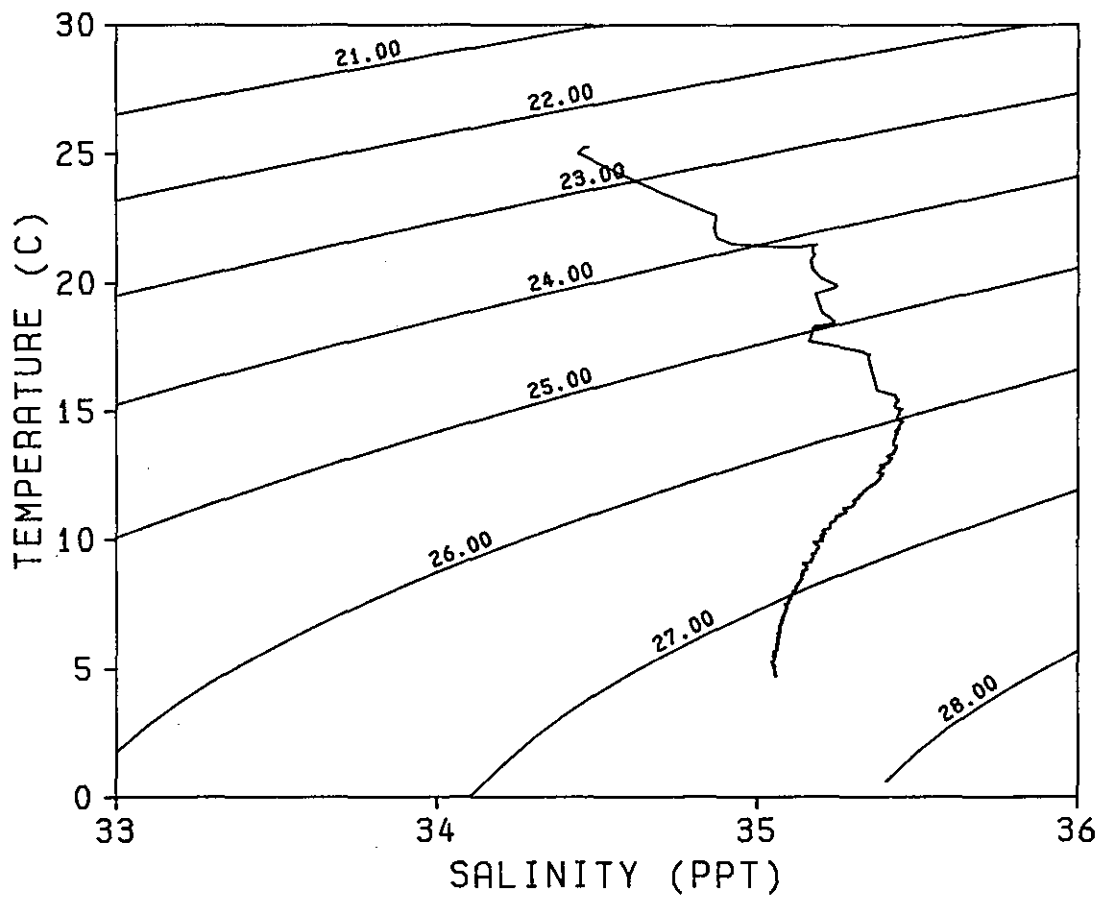




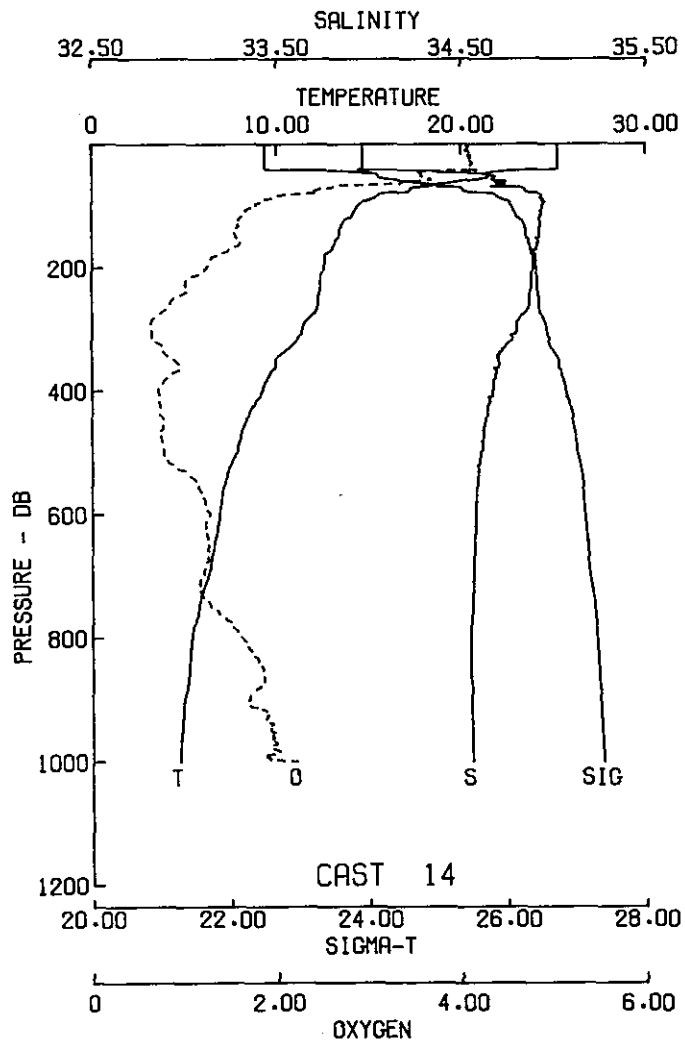
CAST FFF-81-RS-013 DATE 01 NOV 81 TIME 0245 GMT
 LAT 01 02.0N LONG 109 37.9E WEATHER SEA STATE
 PARAMETER WIND DIR T SPC KT VISIBILITY
 CLOUD AMOUNT DRY WET DEPTH M

PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	23.917	34.084	4.26	22.552	0.000
10.	23.906	34.085	4.24	22.996	.045
20.	23.639	34.167	4.23	23.137	.097
30.	22.626	34.454	4.18	23.646	.142
40.	21.792	34.458	4.01	23.883	.183
50.	19.621	34.747	3.25	24.688	.216
60.	18.487	34.787	2.97	25.005	.251
70.	16.919	34.868	2.45	25.473	.278
80.	15.928	34.916	1.88	25.716	.302
90.	14.869	34.935	1.52	25.967	.324
100.	14.775	34.934	1.43	25.986	.345
110.	14.339	34.926	1.41	26.078	.365
120.	13.817	34.904	1.44	26.165	.384
130.	13.067	34.879	1.68	26.304	.403
140.	12.819	34.872	1.85	26.348	.420
150.	12.753	34.868	1.81	26.355	.437
160.	12.651	34.865	1.82	26.375	.454
170.	12.488	34.874	1.69	26.415	.471
180.	12.482	34.877	1.65	26.418	.488
190.	12.477	34.877	1.64	26.415	.504
200.	12.474	34.881	1.62	26.422	.521
250.	12.203	34.862	1.31	26.461	.604
300.	11.679	34.833	.49	26.538	.684
350.	10.191	34.737	.61	26.733	.760
400.	9.155	34.677	.74	26.850	.828
450.	8.717	34.664	.61	26.920	.891
500.	8.377	34.647	.68	26.955	.951
550.	7.844	34.619	.90	27.018	1.000
600.	7.409	34.600	.95	27.066	1.065
650.	6.711	34.569	1.11	27.140	1.118
700.	6.048	34.554	1.39	27.215	1.168
750.	5.617	34.542	1.68	27.260	1.215
800.	5.411	34.549	1.72	27.290	1.260
850.	5.227	34.547	1.82	27.311	1.303
900.	4.598	34.548	1.81	27.338	1.346
950.	4.745	34.557	1.98	27.375	1.388
999.	4.608	34.556	2.25	27.385	

CAST EP5-81-RS-014 DATE 01 NOV 81 TIME 0853 GMT
LAT 01 59.7N LONG 109 43.9W



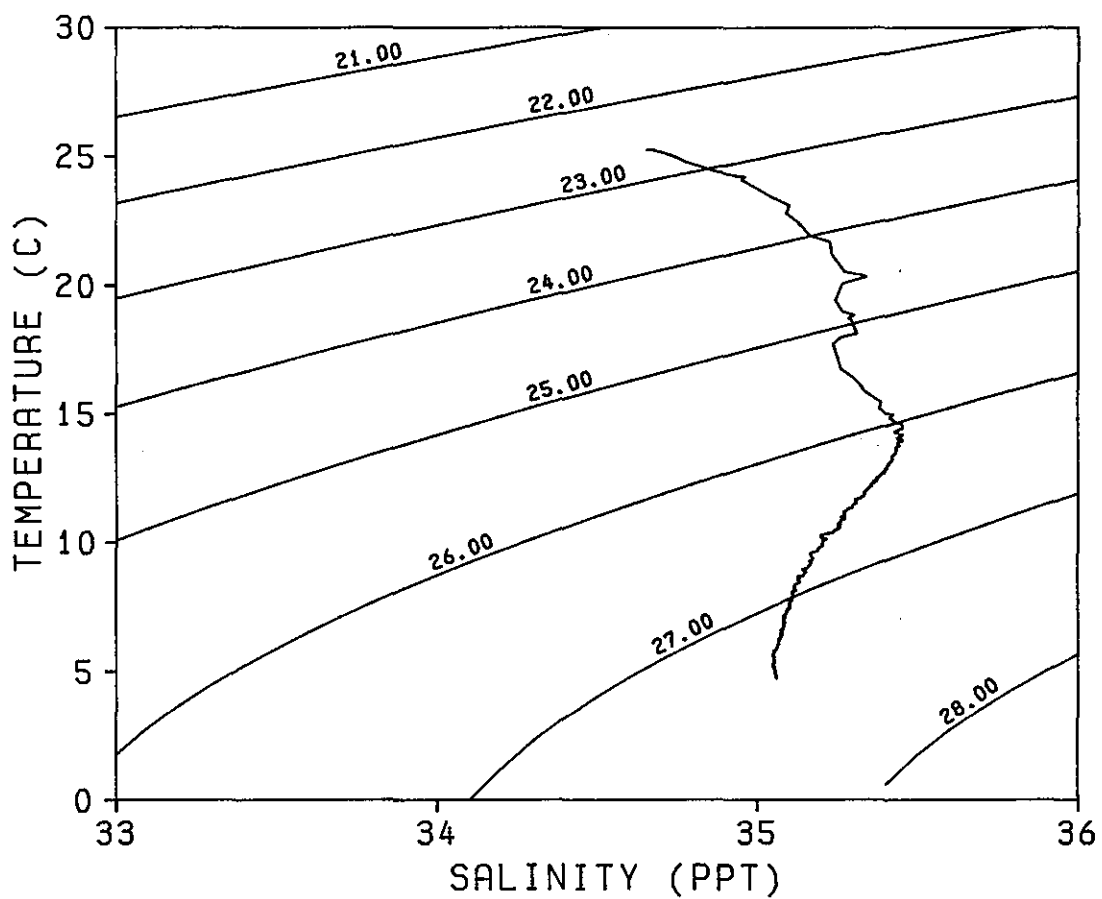
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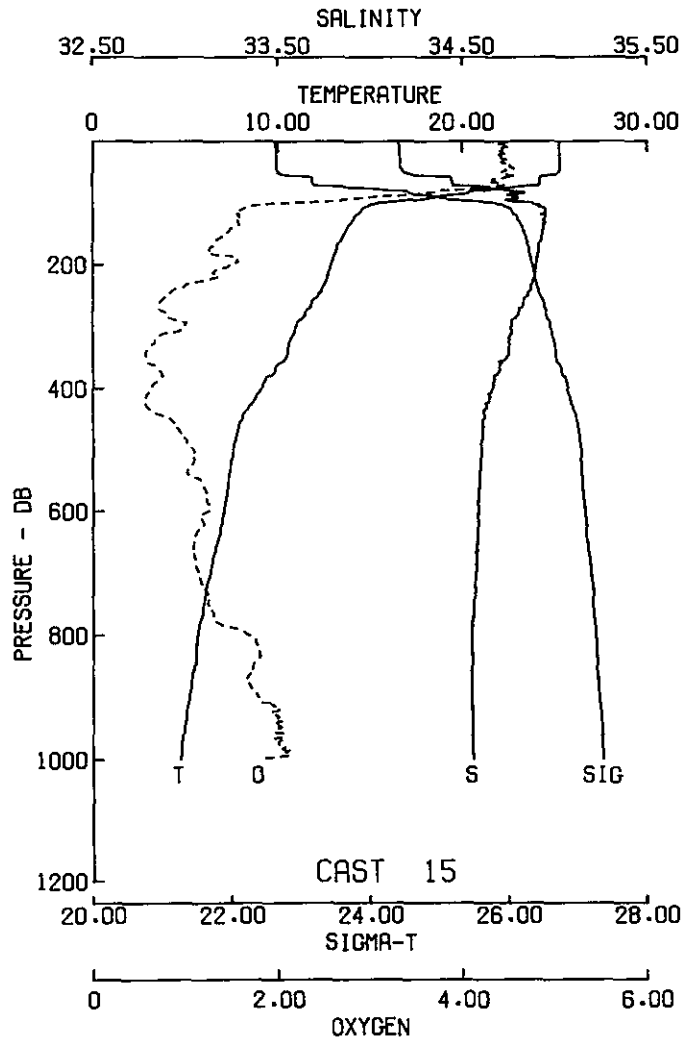
CAST FFR-01-RS-014 DATE 01 NOV 81 TIME 0853 GMT
 LAT 01 55.7N LONG 109 43.9W WEATHER SEA STATE
 BAROMETER WIND DIR T SPD KT VISIBILITY
 CLOUD AMOUNT WIND DIR T SPD KT VISIBILITY
 CRY WET REPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-R (DYN-F)
0.	25.250	34.967	4.10	22.505	0.060
10.	25.2	34.968	4.06	22.505	0.057
20.	25.2	34.968	4.08	22.506	0.107
30.	25.3	34.969	4.13	22.505	0.161
40.	25.3	34.977	4.16	22.501	0.214
50.	21.428	34.951	3.56	24.130	0.257
60.	19.501	34.746	3.47	24.612	0.294
70.	17.367	34.812	2.59	25.295	0.334
80.	15.619	34.928	2.32	25.796	0.355
90.	15.030	34.940	1.83	25.936	0.372
100.	14.413	34.949	1.76	26.070	0.399
110.	14.182	34.959	1.68	26.118	0.412
120.	13.826	34.921	1.68	26.180	0.431
130.	13.526	34.928	1.58	26.247	0.450
140.	13.298	34.925	1.58	26.273	0.468
150.	13.061	34.922	1.57	26.277	0.486
160.	12.808	34.918	1.60	26.315	0.502
170.	12.557	34.910	1.49	26.340	0.520
180.	12.307	34.899	1.35	26.407	0.538
190.	12.057	34.891	1.28	26.410	0.556
200.	11.807	34.888	1.24	26.417	0.571
250.	11.245	34.872	0.89	26.460	0.654
300.	10.680	34.799	0.64	26.568	0.735
350.	10.115	34.707	0.90	26.750	0.809
400.	9.547	34.615	0.72	26.846	0.877
450.	8.978	34.523	0.79	26.953	0.934
500.	8.409	34.430	0.78	27.013	0.996
550.	7.840	34.338	1.14	27.090	1.057
600.	7.271	34.244	1.27	27.122	1.110
650.	6.702	34.151	1.26	27.161	1.158
700.	6.133	34.057	1.21	27.198	1.200
750.	5.564	33.963	1.28	27.259	1.238
800.	5.000	33.868	1.62	27.296	1.299
850.	4.431	33.775	1.85	27.316	1.341
900.	4.862	33.681	1.70	27.349	1.384
950.	4.293	33.587	1.93	27.364	1.429
1000.	4.724	33.493	2.21	27.379	1.466

CAST EP5-81-RS-015 DATE 01 NOV 81 TIME 1454 GMT
LAT 03 02.0N LONG 109 51.5W



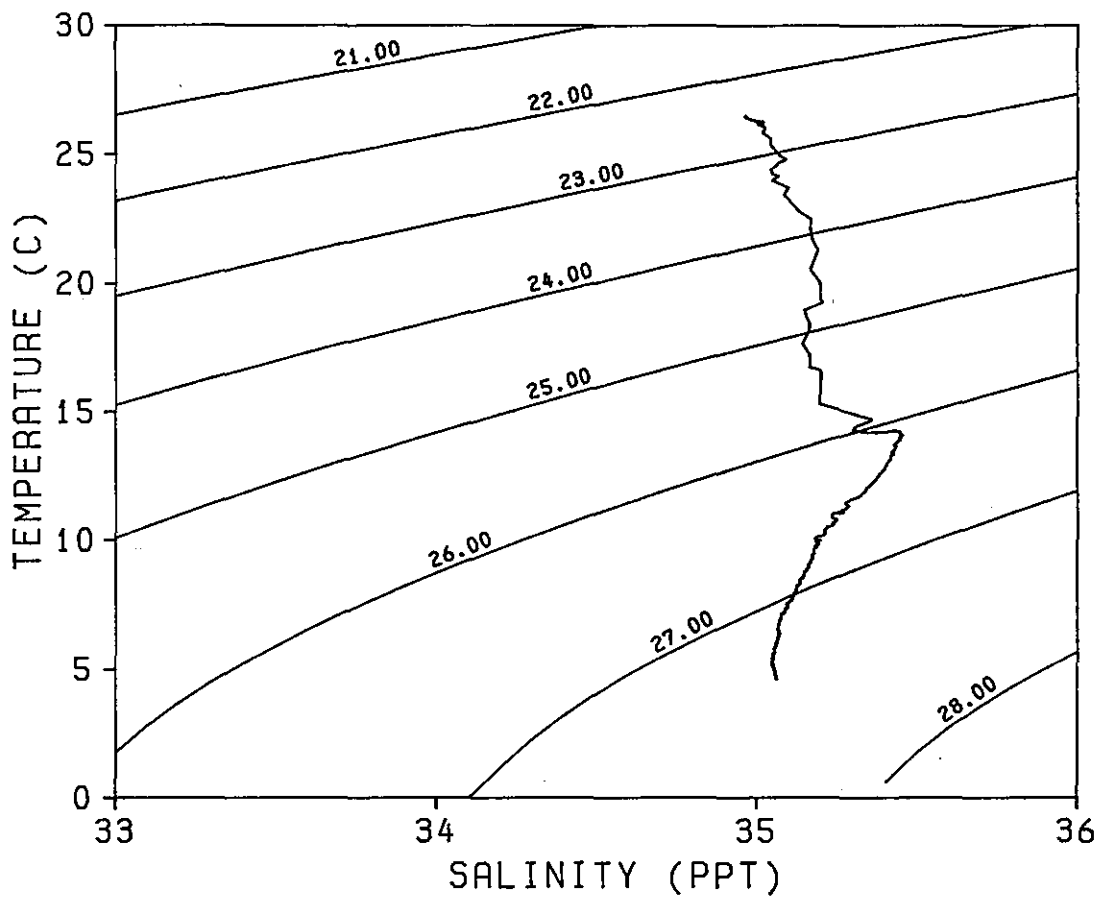
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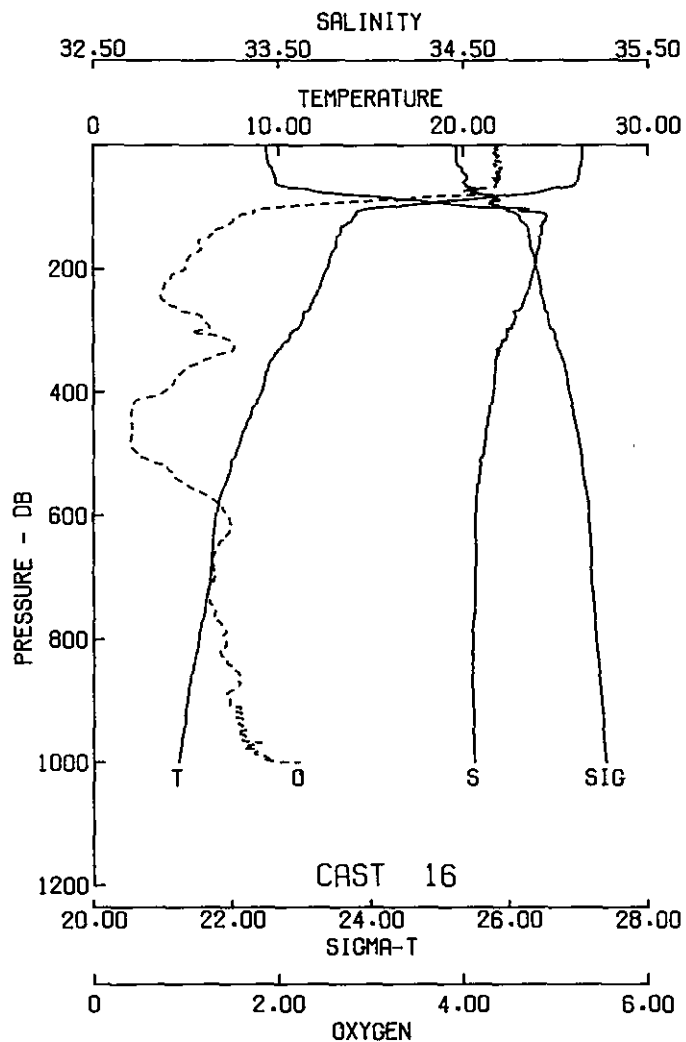


CAST EFF-81-RS-015 DATE 01 NOV 81 TIME 1454 GMT
 LAT 03 02.0N LONG 109 51.5W WEATHER SEA STATE
 BAROMETER WIND DIR T SPD KT VISIBILITY
 CLOUD ANCLAT CRY WFT CFTM M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	25.267	34.154	4.50	22.641	0.000
10.	25.264	34.162	4.47	22.642	0.000
20.	25.268	34.163	4.47	22.647	0.104
30.	25.269	34.163	4.48	22.647	0.177
40.	25.264	34.163	4.50	22.650	0.200
50.	25.231	34.180	4.42	22.671	0.281
60.	25.233	34.446	4.44	23.172	0.311
70.	24.210	34.459	4.47	23.185	0.350
80.	21.200	34.734	3.77	24.255	0.401
90.	18.730	34.784	3.08	24.942	0.434
100.	15.454	34.886	2.07	25.800	0.461
110.	14.591	34.952	1.63	26.041	0.480
120.	14.206	34.975	1.33	26.115	0.500
130.	14.015	34.936	1.57	26.152	0.520
140.	13.776	34.941	1.51	26.206	0.540
150.	13.603	34.933	1.44	26.235	0.550
160.	13.451	34.925	1.33	26.261	0.577
170.	13.249	34.920	1.31	26.298	0.590
180.	13.171	34.915	1.30	26.310	0.610
190.	13.020	34.907	1.30	26.334	0.630
200.	12.911	34.903	1.51	26.353	0.640
250.	12.179	34.855	.80	26.460	0.730
300.	11.047	34.769	.98	26.613	0.810
350.	10.447	34.740	.58	26.690	0.884
400.	9.123	34.666	.63	26.856	0.952
450.	8.083	34.613	.85	26.982	1.010
500.	7.572	34.604	1.08	27.046	1.060
550.	7.336	34.595	1.17	27.073	1.124
600.	7.077	34.589	1.24	27.105	1.170
650.	6.741	34.584	1.09	27.147	1.230
700.	6.348	34.570	1.14	27.189	1.280
750.	6.011	34.566	1.25	27.230	1.320
800.	5.652	34.549	1.69	27.261	1.370
850.	5.499	34.553	1.74	27.283	1.420
900.	5.218	34.553	1.80	27.317	1.460
950.	4.536	34.557	2.00	27.353	1.500
1000.	4.730	34.561	1.89	27.380	1.540

CAST EP5-81-RS-016 DATE 01 NOV 81 TIME 2033 GMT
LAT 03 59.3N LONG 109 57.5W

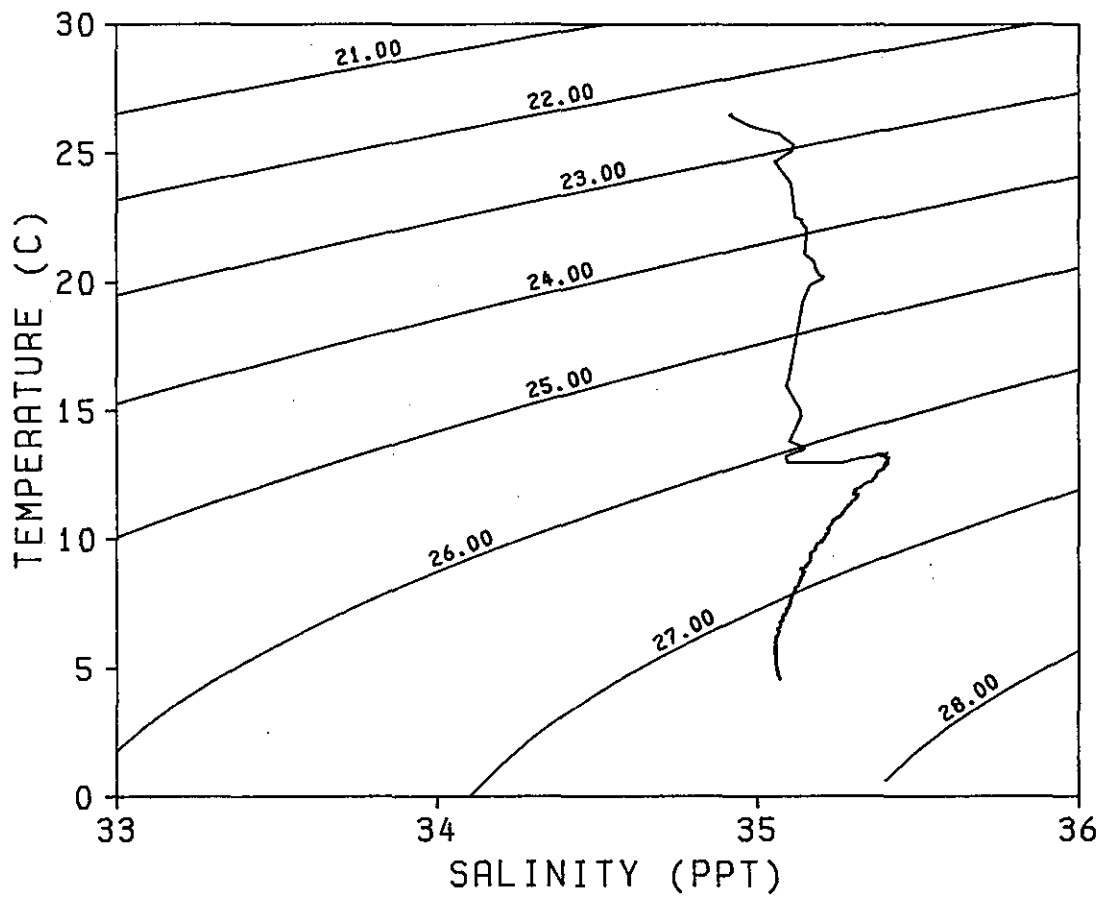


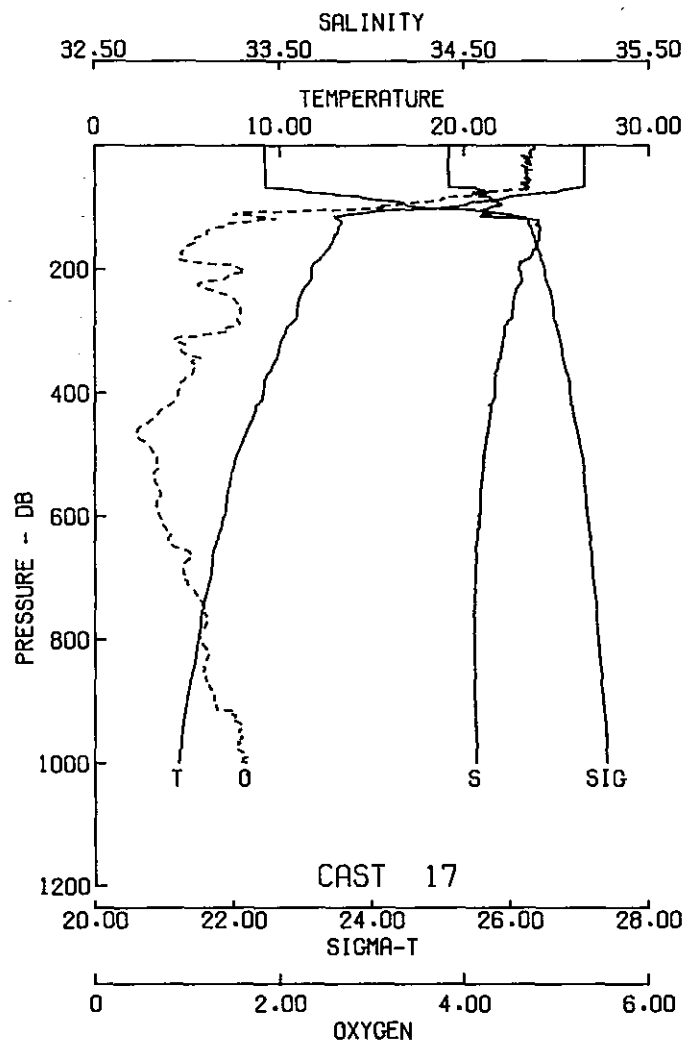


CAST EFS-P1-RS-C16 DATE 01 NOV 81 TIME 2033 GMT
 LAT 03 59.3N LONG 109 57.5W WEATHER SEA STATE
 BAROMETER WIND DIR T SPD KT VISIBILITY M
 CLCUD AMOUNT CRY WET CEPTH

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-P (DYN-M)
0.	26.491	34.465	4.42	22.495	0.000
10.	26.461	34.465	4.34	22.505	.054
20.	26.426	34.463	4.37	22.515	.107
30.	26.403	34.470	4.36	22.527	.161
40.	26.385	34.496	4.40	22.583	.214
50.	26.239	34.514	4.36	22.615	.266
60.	26.132	34.503	4.39	22.637	.315
70.	24.926	34.573	4.21	23.060	.370
80.	22.768	34.634	4.14	23.741	.417
90.	19.256	34.706	3.02	24.746	.454
100.	15.235	34.697	2.05	25.549	.483
110.	14.271	34.929	1.67	26.091	.504
120.	14.006	34.946	1.52	26.162	.522
130.	13.806	34.930	1.44	26.254	.542
140.	13.722	34.925	1.30	26.281	.570
150.	13.683	34.916	1.22	26.306	.577
160.	13.622	34.917	1.15	26.331	.595
170.	13.015	34.906	1.16	26.335	.610
180.	12.234	34.896	1.04	26.363	.630
190.	12.748	34.895	1.00	26.379	.647
200.	12.641	34.887	1.00	26.395	.664
250.	11.912	34.836	.76	26.497	.746
300.	10.772	34.748	1.07	26.635	.824
350.	9.583	34.677	1.17	26.785	.895
400.	8.783	34.664	.77	26.861	.960
450.	8.306	34.634	.41	26.960	1.022
500.	7.678	34.608	.47	27.034	1.079
550.	7.141	34.588	1.01	27.085	1.134
600.	6.619	34.566	1.45	27.150	1.186
650.	6.433	34.570	1.35	27.176	1.235
700.	6.230	34.568	1.31	27.189	1.285
750.	5.923	34.560	1.30	27.223	1.334
800.	5.624	34.554	1.41	27.267	1.381
850.	5.457	34.547	1.53	27.295	1.426
900.	5.062	34.554	1.47	27.336	1.466
950.	4.865	34.558	1.60	27.361	1.511
1000.	4.591	34.550	2.23	27.394	1.555

CAST EP5-81-RS-017 DATE 02 NOV 81 TIME 0012 GMT
LAT 04 21.3N LONG 109 59.6W

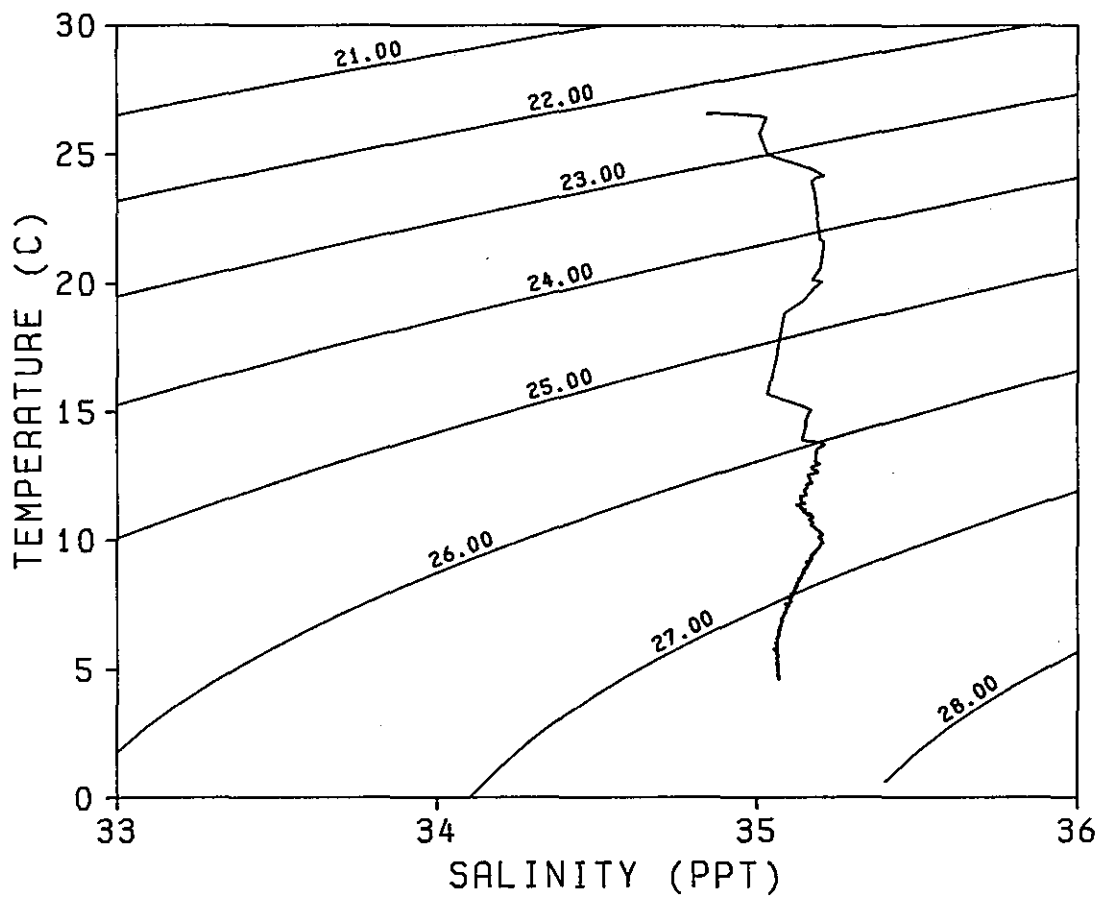




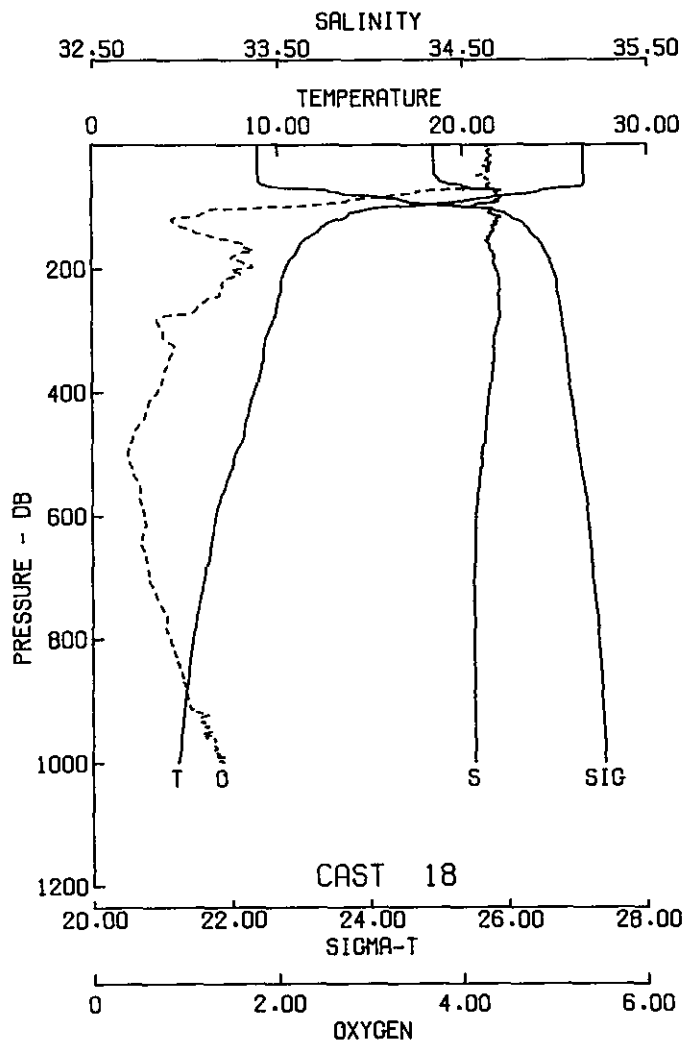
CAST FFE-P1-RS-C17 DATE 02 NOV 81 TIME 0012 GMT
 LAT 64 21.3N LONG 109 59.6W WEATHER SEA STATE
 BAROMETR WIND DIR T SPD KT VISIBILITY M
 CLOUD AMOUNT DRY WET DEPTH

PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (CYA-M)
0.	26.516	34.418	4.69	22.452	0.000
10.	26.519	34.419	4.76	22.452	0.054
20.	26.517	34.418	4.73	22.452	0.102
30.	26.483	34.415	4.68	22.460	0.162
40.	26.481	34.415	4.73	22.461	0.216
50.	26.478	34.416	4.67	22.462	0.270
60.	26.478	34.418	4.62	22.464	0.324
70.	25.748	34.457	4.72	22.808	0.378
80.	25.393	34.609	4.15	23.542	0.426
90.	21.698	34.648	3.71	24.217	0.466
100.	19.273	34.642	3.13	24.696	0.501
110.	14.289	34.619	1.54	25.845	0.528
120.	13.245	34.868	1.82	26.256	0.547
130.	13.226	34.885	1.40	26.276	0.565
140.	13.158	34.910	1.21	26.308	0.583
150.	12.921	34.905	1.09	26.352	0.601
160.	12.794	34.894	1.06	26.370	0.618
170.	12.577	34.871	0.95	26.394	0.635
180.	12.301	34.859	0.94	26.439	0.651
190.	11.903	34.801	1.19	26.471	0.668
200.	11.736	34.797	1.58	26.500	0.684
250.	11.632	34.767	1.55	26.607	0.761
300.	10.355	34.725	1.44	26.695	0.835
350.	9.716	34.688	1.05	26.776	0.904
400.	9.091	34.664	0.90	26.860	0.960
450.	8.426	34.636	0.75	26.943	1.032
500.	7.684	34.608	0.68	27.033	1.096
550.	7.310	34.598	0.78	27.075	1.144
600.	6.989	34.581	0.71	27.111	1.198
650.	6.514	34.560	0.87	27.159	1.249
700.	6.254	34.562	0.97	27.195	1.295
750.	5.834	34.556	1.16	27.244	1.346
800.	5.609	34.555	1.16	27.274	1.393
850.	5.282	34.558	1.17	27.313	1.437
900.	4.973	34.563	1.31	27.353	1.480
950.	4.723	34.564	1.56	27.383	1.521
1000.	4.549	34.566	1.64	27.404	1.561

CAST EP5-81-RS-018 DATE 02 NOV 81 TIME 0613 GMT
LAT 04 59.8N LONG 110 00.0W



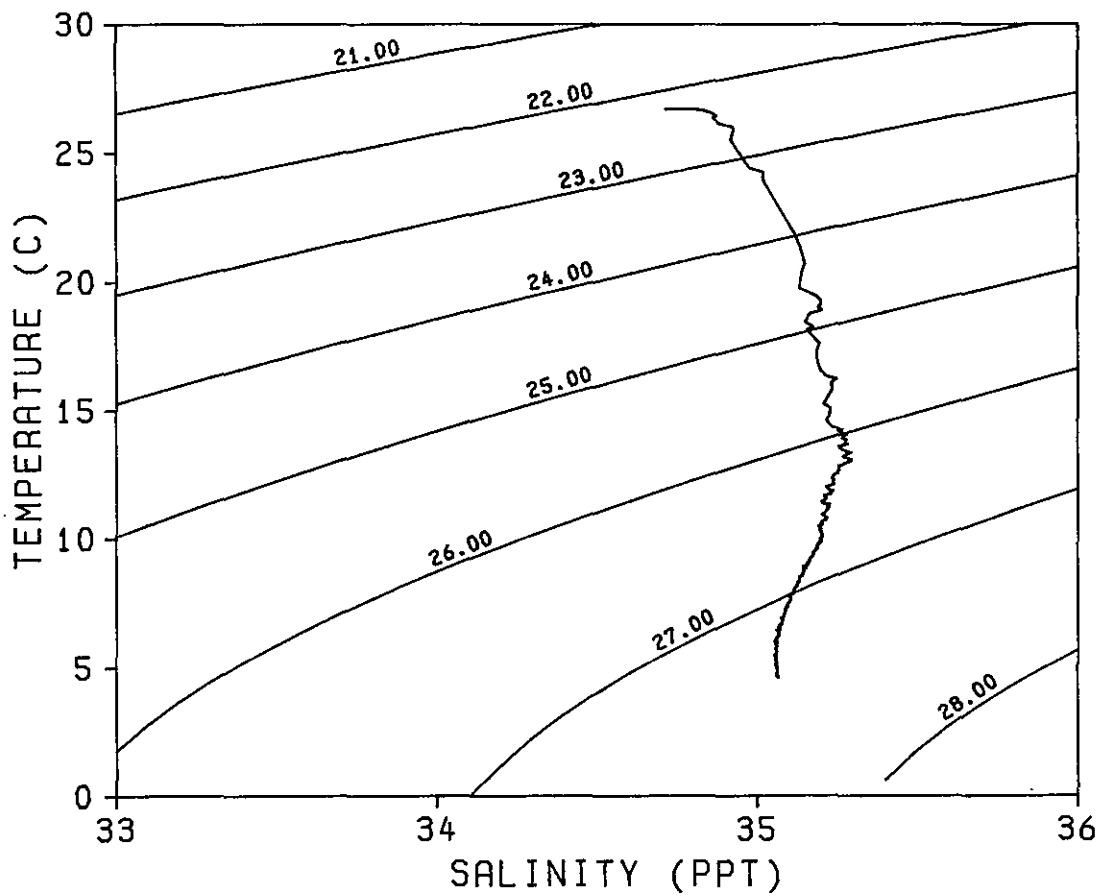
593



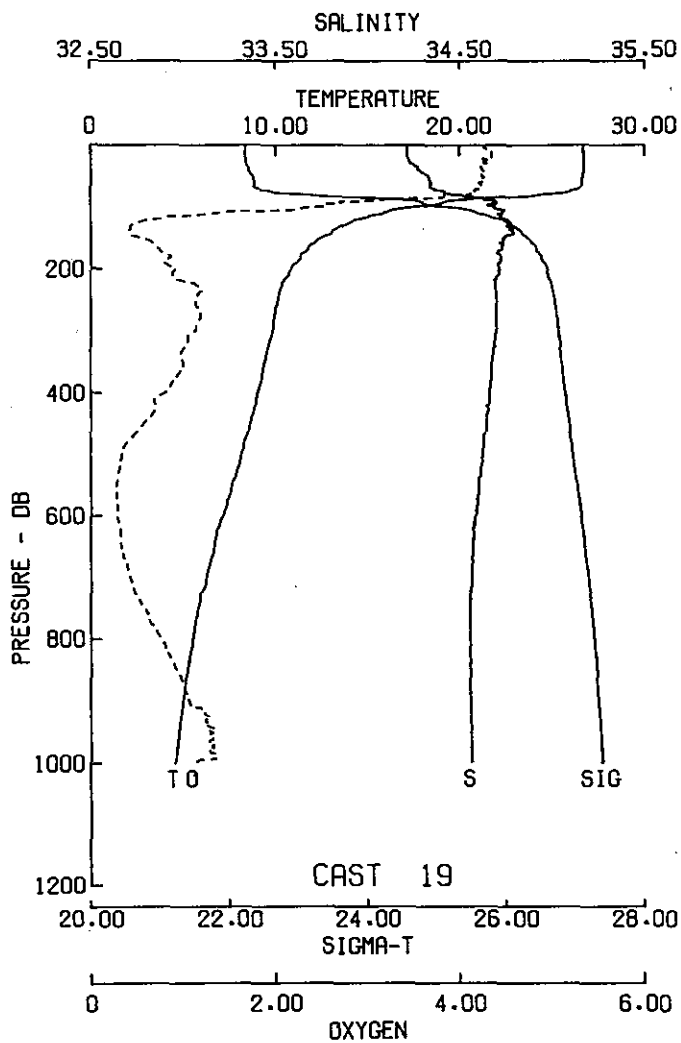
CAST EFF-R1-RS-C1P DATE 02 NOV 81 TIME 0613 GMT
 LAT 04 55.8N LONG 116 00.0W WEATHER SEA STATE
 BAROMETER WIND DIR T SPD VISIBILITY
 CLOUD AMOUNT CRY WET DEPTH M

PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-C (DYN-M)
0.	26.554	34.345	4.30	22.385	0.000
10.	26.559	34.344	4.27	22.383	.055
20.	26.564	34.346	4.26	22.387	.105
30.	26.567	34.347	4.28	22.383	.164
40.	26.566	34.346	4.27	22.382	.215
50.	26.575	34.360	4.15	22.390	.274
60.	26.595	34.390	4.28	22.406	.328
70.	24.979	34.534	4.39	23.011	.382
80.	23.242	34.683	3.25	23.642	.427
90.	20.140	34.674	2.76	24.494	.465
100.	16.336	34.545	2.04	25.338	.497
110.	13.888	34.641	1.20	25.951	.520
120.	13.456	34.686	.86	26.075	.540
130.	12.600	34.683	.94	26.245	.559
140.	12.196	34.672	1.10	26.315	.577
150.	11.610	34.649	1.32	26.402	.594
160.	11.202	34.645	1.54	26.481	.610
170.	11.058	34.652	1.73	26.513	.626
180.	10.868	34.677	1.52	26.566	.641
190.	10.602	34.673	1.64	26.511	.656
200.	10.452	34.684	1.60	26.646	.671
250.	10.012	34.700	1.24	26.735	.741
300.	9.547	34.685	.76	26.802	.808
350.	9.196	34.671	.82	26.848	.873
400.	8.733	34.650	.71	26.906	.936
450.	8.225	34.626	.51	26.966	.995
500.	7.710	34.607	.38	27.028	1.055
550.	7.164	34.590	.50	27.093	1.105
600.	6.656	34.575	.57	27.152	1.161
650.	6.352	34.566	.53	27.185	1.211
700.	6.054	34.564	.62	27.223	1.260
750.	5.696	34.562	.75	27.266	1.308
800.	5.401	34.564	.83	27.304	1.351
850.	5.148	34.565	.95	27.335	1.394
900.	4.968	34.566	1.03	27.357	1.436
950.	4.761	34.565	1.25	27.379	1.477
1000.	4.596	34.567	1.41	27.400	1.517

CAST EP5-81-RS-019 DATE 02 NOV 81 TIME 1307 GMT
LAT 06 01.0N LONG 109 58.5W



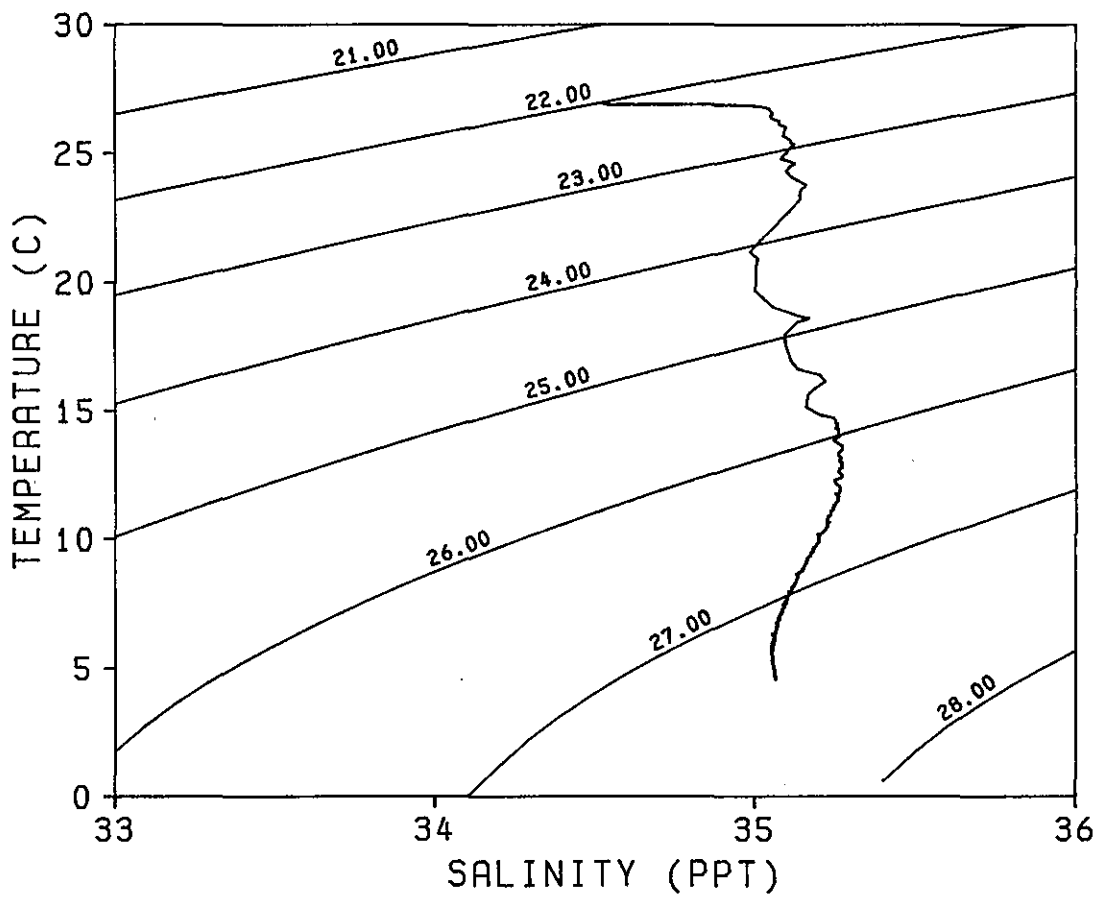
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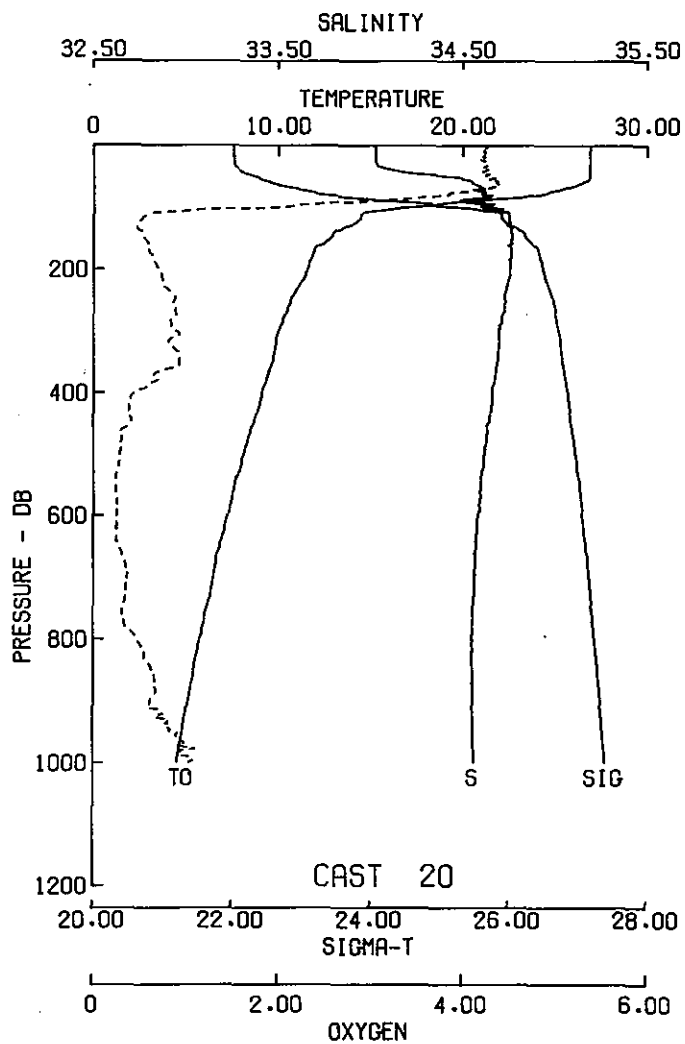
CAST EFF-F1-RS-019 DATE 02 NOV 81 TIME 1307 GMT
 LAT 06 01.0N LONG 149 58.5W WEATHER SEA STAT
 BAROMETER WIND DIR T SPD KT VISIBILITY
 CLOUD AMOUNT WIND DRY WET DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (CYN-M)
0.	26.704	34.216	4.29	22.241	0.000
10.	26.712	34.216	4.36	22.239	0.056
20.	26.713	34.222	4.35	22.243	0.113
30.	26.717	34.234	4.30	22.250	0.164
40.	26.703	34.277	4.24	22.287	0.224
50.	26.649	34.331	4.24	22.345	0.279
60.	26.616	34.44	4.24	22.364	0.335
70.	26.516	34.60	4.23	22.406	0.390
80.	24.412	34.77	4.14	22.514	0.442
90.	19.432	34.92	2.99	24.692	0.483
100.	17.599	34.697	2.48	25.155	0.514
110.	15.887	34.736	1.37	25.588	0.547
120.	14.341	34.736	0.70	25.928	0.563
130.	13.683	34.784	0.44	26.104	0.583
140.	13.087	34.791	0.44	26.231	0.602
150.	12.507	34.743	0.56	26.305	0.620
160.	12.015	34.713	0.70	26.383	0.637
170.	11.737	34.732	0.75	26.445	0.654
180.	11.353	34.721	0.88	26.512	0.670
190.	11.151	34.724	0.80	26.551	0.685
200.	10.836	34.713	0.91	26.599	0.700
250.	9.148	34.704	1.15	26.714	0.772
300.	9.856	34.697	1.13	26.755	0.841
350.	9.436	34.678	1.02	26.814	0.908
400.	9.053	34.663	0.81	26.865	0.972
450.	8.625	34.643	0.58	26.917	1.035
500.	8.182	34.628	0.35	26.974	1.095
550.	7.648	34.506	0.22	27.036	1.155
600.	7.166	34.588	0.30	27.091	1.200
650.	6.706	34.576	0.34	27.146	1.261
700.	6.279	34.566	0.43	27.194	1.311
750.	5.851	34.561	0.58	27.245	1.355
800.	5.539	34.555	0.76	27.283	1.400
850.	5.233	34.558	0.93	27.319	1.444
900.	4.927	34.561	1.07	27.346	1.492
950.	4.781	34.563	1.31	27.376	1.533
1000.	4.594	34.567	1.12	27.399	1.573

CAST EP5-81-RS-020 DATE 02 NOV 81 TIME 2215 GMT
LAT 07 00.2N LONG 110 00.2W



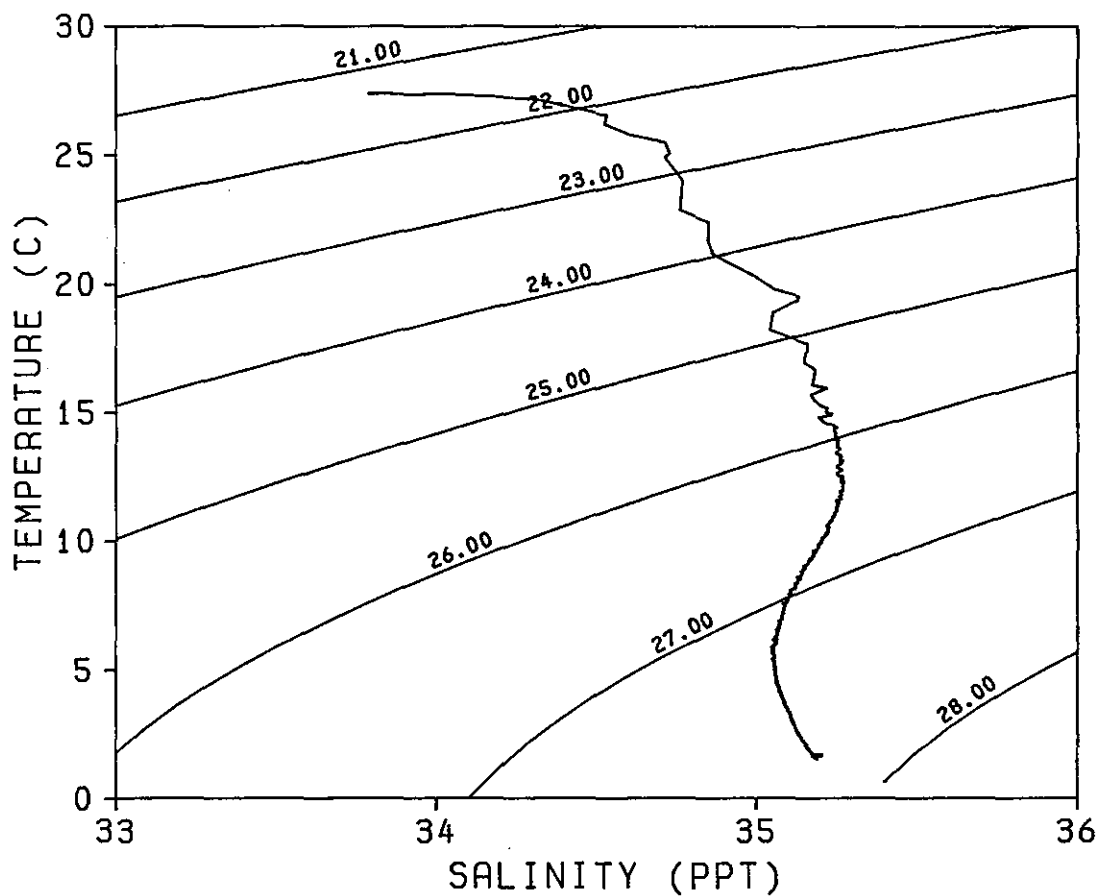
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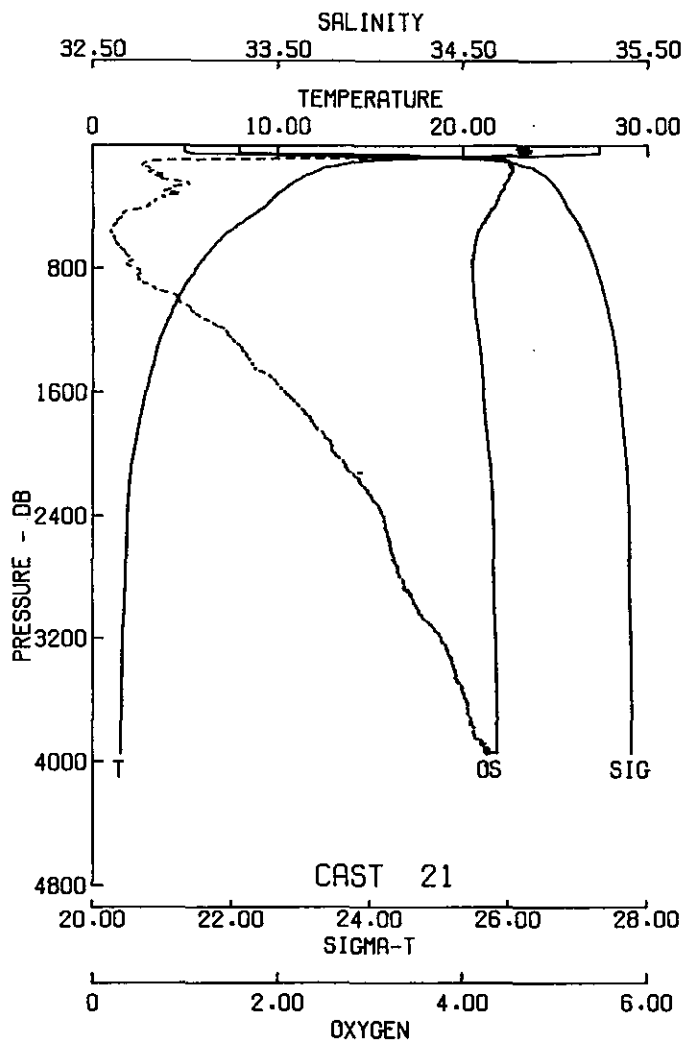
CAST EFF-81-RS-020 DATE 02 NOV 81 TIME 2215 GMT
 LAT 07 00.2N LONG 110 00.2W WEATHER SEA STATE
 BAROMETR WIND DIR T SPD KT VISIBILITY M
 CLOUD AMCLAT CRY WET DPTH

PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	26.514	34.028	4.26	22.032	0.001
10.	26.914	34.028	4.25	22.033	.058
20.	26.915	34.029	4.25	22.033	.116
30.	26.908	34.036	4.27	22.044	.174
40.	26.898	34.124	4.27	22.110	.232
50.	26.888	34.399	4.29	22.321	.288
60.	26.808	34.555	4.37	22.558	.347
70.	25.400	34.614	4.22	22.946	.394
80.	24.110	34.611	4.38	23.333	.442
90.	20.614	34.502	2.96	23.837	.484
100.	16.932	34.614	2.06	24.252	.518
110.	14.534	34.751	.63	24.896	.540
120.	14.434	34.758	.53	25.025	.561
130.	13.852	34.744	.49	25.037	.582
140.	13.041	34.759	.53	25.216	.601
150.	12.263	34.765	.56	25.255	.616
160.	12.402	34.771	.61	25.351	.637
170.	11.961	34.766	.61	25.433	.654
180.	11.842	34.762	.65	25.452	.670
190.	11.672	34.759	.67	25.482	.686
200.	11.588	34.756	.71	25.495	.702
250.	10.638	34.731	.87	26.646	.779
300.	10.038	34.701	.91	26.731	.850
350.	9.708	34.689	.94	26.778	.918
400.	9.116	34.661	.45	26.854	.984
450.	8.696	34.637	.40	26.902	1.047
500.	8.159	34.621	.29	26.972	1.107
550.	7.660	34.603	.25	27.032	1.168
600.	7.302	34.588	.26	27.072	1.221
650.	6.865	34.577	.28	27.125	1.275
700.	6.454	34.566	.37	27.166	1.326
750.	5.160	34.561	.31	27.206	1.376
800.	5.770	34.557	.48	27.252	1.423
850.	5.443	34.555	.63	27.292	1.468
900.	5.134	34.557	.61	27.330	1.513
950.	4.847	34.561	.86	27.367	1.558
999.	4.554	34.565	1.04	27.402	1.595

CAST EP5-81-RS-021 DATE 03 NOV 81 TIME 0503 GM
LAT 07 41.4N LONG 110 01.4W



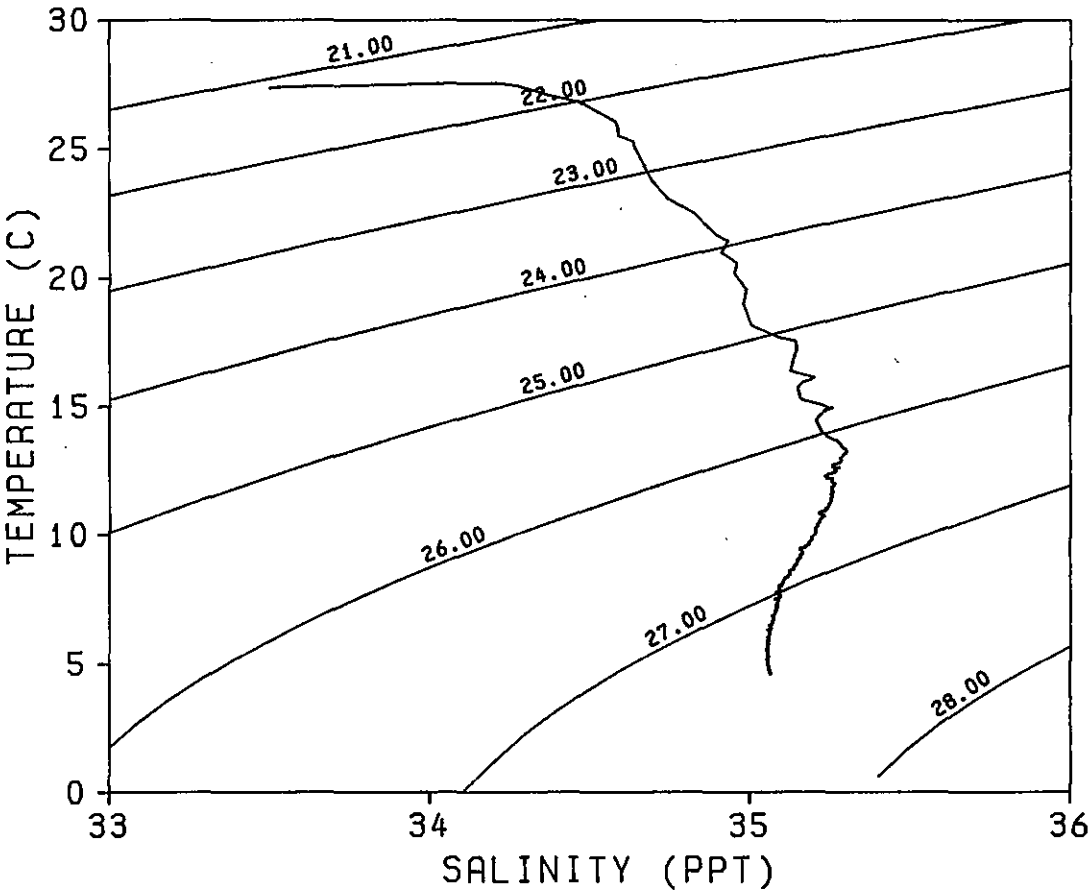
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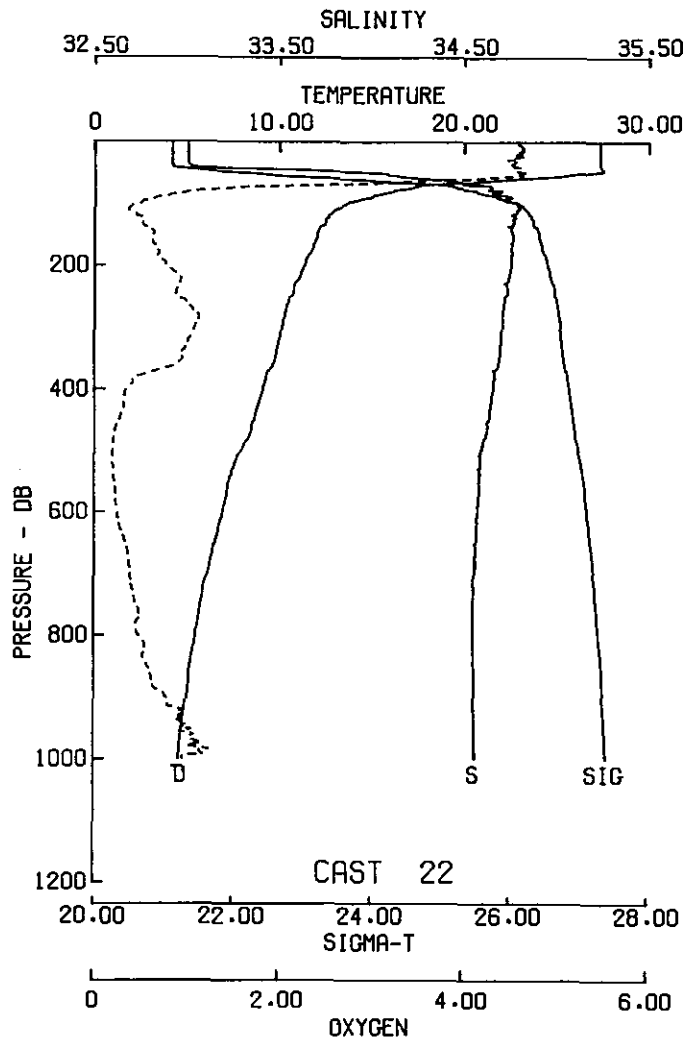


CAST EP5-R1-RS-C21 DATE 03 NOV 81 TIME 0503 GMT
 LAT 07 41.4N LONG 110 01.4W WEATHER SEA STATE
 BAROMETER WIND DIR T SPD KT VISIBILITY
 CLOUD AMOUNT DRY WET DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.365	33.292	4.70	21.336	0.000
10.	27.375	33.293	4.63	21.333	.065
20.	27.377	33.293	4.71	21.333	.125
30.	27.379	33.292	4.73	21.331	.194
40.	27.381	33.293	4.60	21.332	.255
50.	27.386	33.320	4.65	21.350	.324
60.	25.784	34.105	4.65	22.448	.387
70.	23.435	34.264	4.29	23.268	.437
80.	19.867	34.549	2.84	24.729	.475
90.	15.882	34.706	1.30	25.568	.502
100.	14.513	34.743	.73	25.897	.525
110.	14.016	34.750	.59	26.008	.546
120.	13.649	34.748	.55	26.083	.566
130.	13.233	34.766	.54	26.182	.585
140.	12.724	34.762	.58	26.281	.604
150.	12.368	34.772	.62	26.359	.621
160.	12.220	34.771	.65	26.387	.638
170.	12.027	34.770	.64	26.423	.655
180.	11.868	34.762	.69	26.447	.671
190.	11.570	34.748	.74	26.493	.687
200.	11.389	34.754	.69	26.531	.703
250.	10.717	34.726	1.03	26.632	.779
300.	10.166	34.711	.77	26.716	.850
350.	9.684	34.692	.65	26.784	.915
400.	9.301	34.672	.59	26.832	.985
450.	8.679	34.641	.31	26.907	1.045
500.	8.112	34.621	.25	26.975	1.105
550.	7.545	34.581	.20	27.032	1.166
600.	6.990	34.576	.24	27.106	1.220
650.	6.609	34.571	.28	27.156	1.272
700.	6.249	34.561	.36	27.195	1.322
750.	5.874	34.554	.43	27.237	1.371
800.	5.593	34.552	.47	27.271	1.417
850.	5.340	34.556	.48	27.304	1.461
900.	5.070	34.559	.58	27.338	1.505
950.	4.832	34.560	.78	27.367	1.546
1000.	4.632	34.564	.92	27.392	1.587
1500.	3.088	34.608	1.92	27.586	1.533
2000.	2.224	34.646	2.62	27.692	2.214
2500.	1.841	34.669	3.16	27.741	2.453
3000.	1.715	34.676	3.50	27.756	2.685
3500.	1.563	34.685	3.97	27.774	2.905
3950.	1.535	34.692	4.25	27.782	

CAST EP5-81-RS-022 DATE 03 NOV 81 TIME 1217 GMT
LAT 08 00.8N LONG 110 01.7W

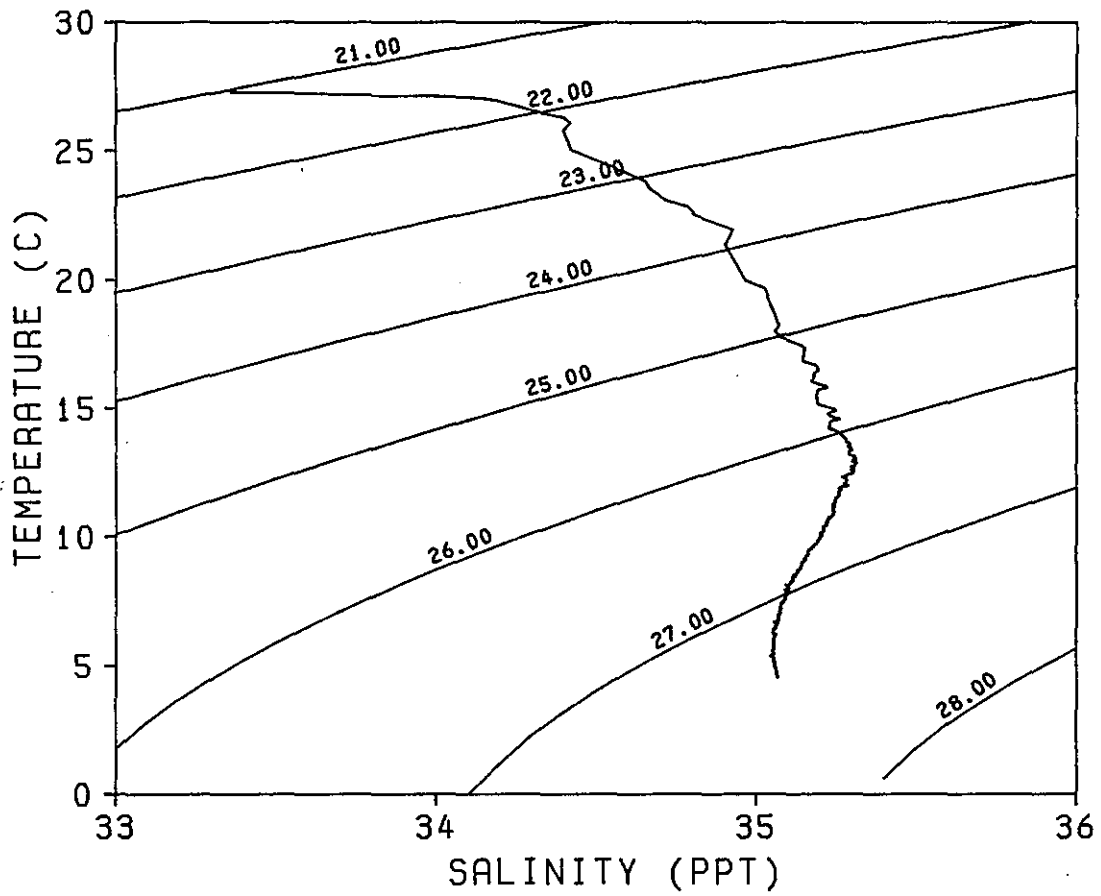




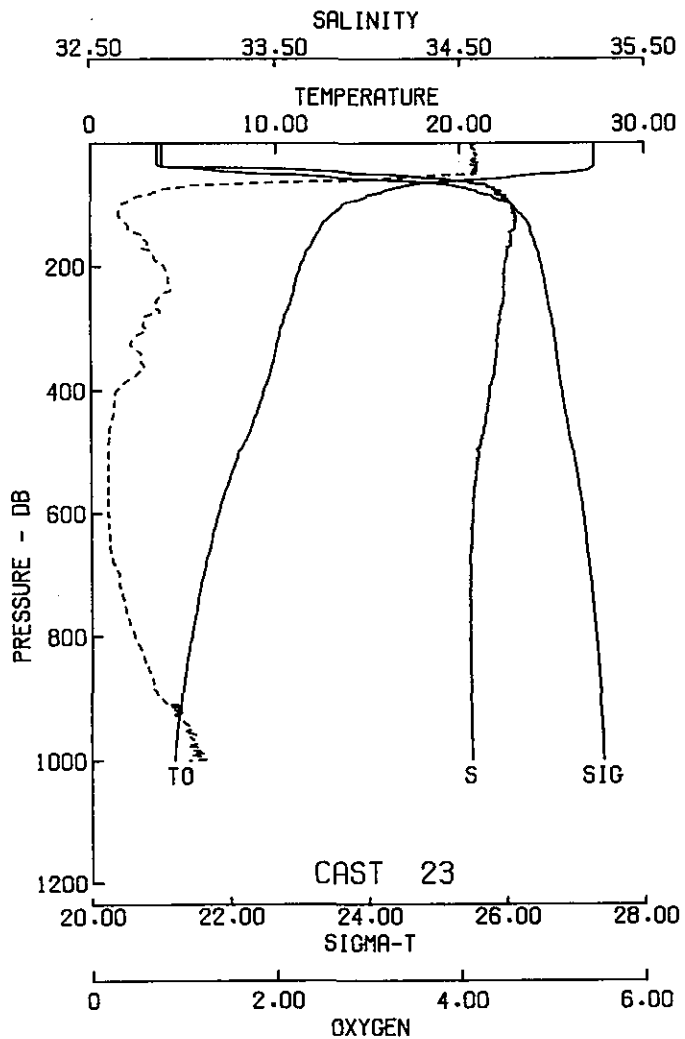
CAST EPP-F1-RS-022 DATE 02 NOV 81 TIME 1217 GMT
 LAT 08 00.00 LCNC 110 01.7J WEATHER SEA STATE
 BAROMETER WIND DIR T SPD KT VISIBILITY
 CLOUD AMOUNT DRY WFT DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (CYN-M)
0.	27.35	33.004	4.51	21.122	0.000
10.	27.25	33.005	4.64	21.120	.067
20.	27.25	33.005	4.56	21.122	.134
30.	27.27	33.005	4.48	21.119	.200
40.	27.28	33.019	4.55	21.125	.267
50.	26.77	33.973	4.65	22.063	.331
60.	22.80	34.284	4.07	24.465	.387
70.	17.67	34.594	2.53	28.055	.420
80.	16.12	34.700	1.05	28.500	.442
90.	14.95	34.757	.68	28.511	.471
100.	13.61	34.777	.50	28.612	.492
110.	13.15	34.793	.38	28.620	.511
120.	12.69	34.775	.46	28.663	.526
130.	12.48	34.770	.53	28.633	.546
140.	12.15	34.757	.59	28.539	.567
150.	12.02	34.766	.64	28.421	.580
160.	11.92	34.761	.63	28.643	.597
170.	11.80	34.755	.66	28.454	.613
180.	11.67	34.763	.70	28.485	.625
190.	11.44	34.752	.72	28.652	.645
200.	11.33	34.753	.77	28.540	.661
250.	10.58	34.720	.89	28.650	.736
300.	10.09	34.705	1.07	28.724	.806
350.	9.75	34.694	.95	28.773	.875
400.	9.09	34.658	.35	28.855	.941
450.	8.62	34.636	.27	28.913	1.004
500.	7.92	34.588	.20	28.982	1.064
550.	7.28	34.587	.22	27.075	1.120
600.	6.94	34.576	.26	27.113	1.174
650.	6.53	34.568	.34	27.162	1.225
700.	6.10	34.557	.39	27.210	1.274
750.	5.75	34.557	.47	27.255	1.321
800.	5.47	34.556	.48	27.289	1.366
850.	5.14	34.558	.57	27.329	1.410
900.	4.99	34.557	.78	27.347	1.453
950.	4.75	34.560	.96	27.376	1.494
1000.	4.58	34.564	.96	27.395	1.534

CAST EP5-81-RS-023 DATE 03 NOV 81 TIME 1550 GMT
LAT 08 30.5N LONG 109 59.6W



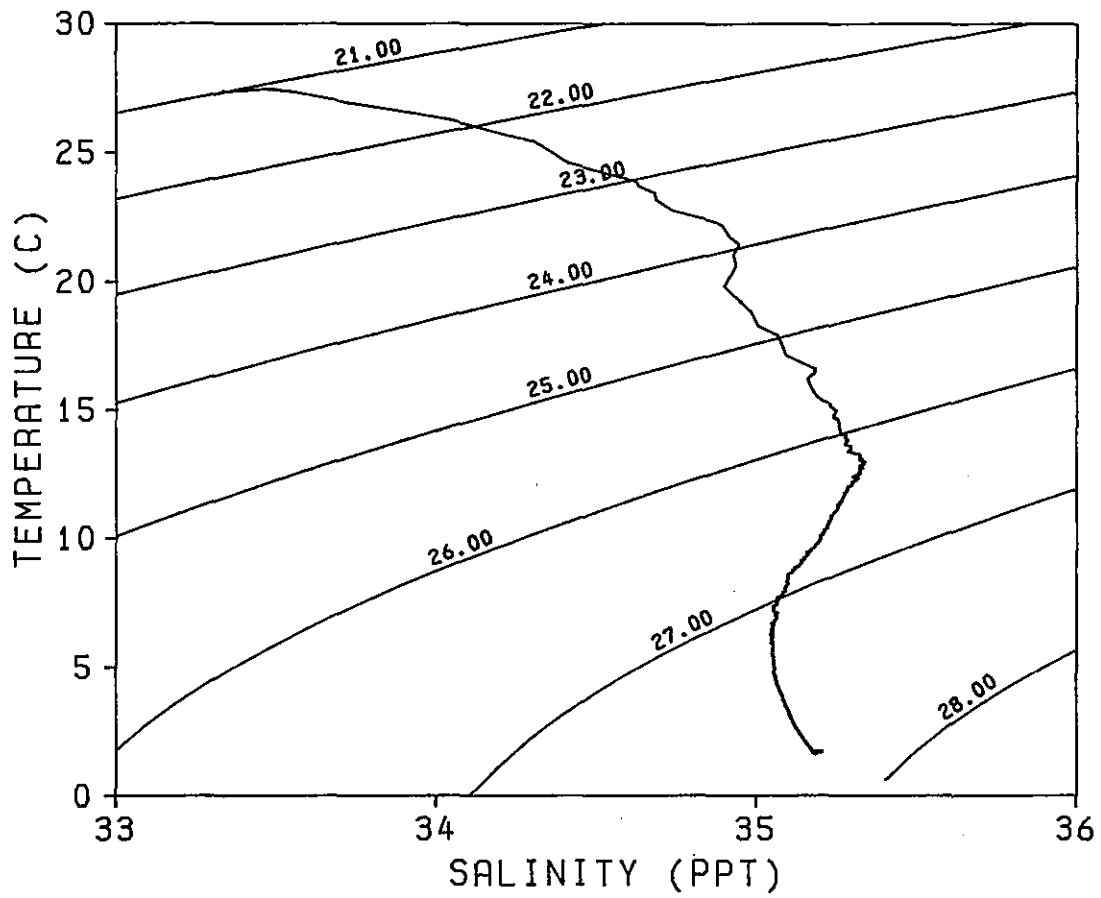
609



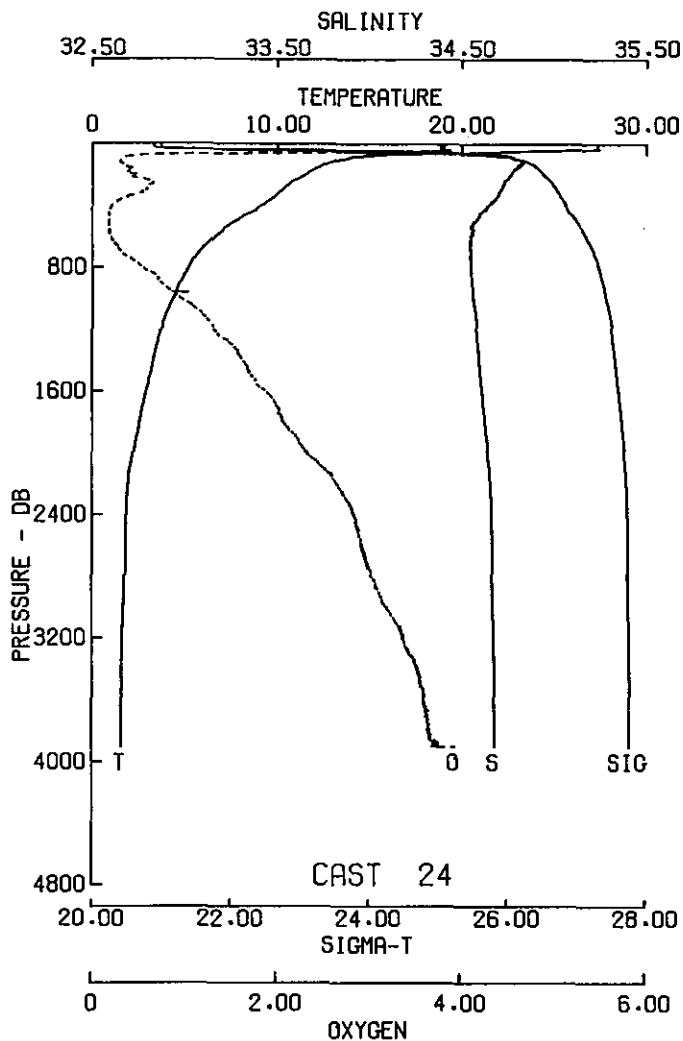
CAST EFB-E1-RS-023 DATE 03 NOV 81 TIME 1550 GMT
 LAT 08 70 EN LONG 109 59.6 W WFATHER SEA STATE
 BAROMETER WIND DIR T SPD KT VISIBILITY M
 CLOUD AMOUNT DRY WET DPTH

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (CYA-M)
0.	27.292	32.861	4.18	21.036	0.000
10.	27.281	32.862	4.17	21.040	.068
20.	27.282	32.861	4.19	21.039	.135
30.	27.283	32.862	4.14	21.036	.203
40.	27.131	33.350	4.17	21.454	.270
50.	25.029	33.920	4.19	22.537	.320
60.	20.681	34.432	2.90	24.166	.374
70.	16.933	34.644	1.03	25.275	.405
80.	15.775	34.715	.67	25.597	.431
90.	14.769	34.725	.47	25.828	.454
100.	13.663	34.784	.35	26.106	.474
110.	13.378	34.800	.32	26.179	.494
120.	13.010	34.811	.33	26.262	.512
130.	12.623	34.808	.40	26.337	.530
140.	12.459	34.807	.44	26.366	.547
150.	12.249	34.782	.58	26.398	.564
160.	12.070	34.781	.63	26.423	.580
170.	11.877	34.757	.56	26.442	.597
180.	11.657	34.762	.68	26.447	.613
190.	11.551	34.757	.71	26.503	.625
200.	11.474	34.746	.81	26.528	.644
250.	10.910	34.742	.74	26.610	.721
300.	10.293	34.710	.61	26.694	.794
350.	9.926	34.696	.54	26.746	.864
400.	9.466	34.662	.38	26.813	.932
450.	8.810	34.639	.23	26.885	.996
500.	8.007	34.597	.20	26.976	1.058
550.	7.440	34.582	.20	27.048	1.115
600.	6.912	34.571	.19	27.114	1.169
650.	6.506	34.563	.21	27.162	1.220
700.	6.288	34.558	.31	27.213	1.270
750.	6.075	34.554	.37	27.259	1.317
800.	5.822	34.555	.46	27.293	1.362
850.	5.513	34.556	.61	27.330	1.405
900.	4.891	34.561	.75	27.361	1.447
950.	4.654	34.564	1.04	27.390	1.488
1000.	4.519	34.567	1.06	27.468	1.527

CAST EP5-81-RS-024 DATE 03 NOV 81 TIME 2050 GMT
LAT 09 00.9N LONG 110 00.2W



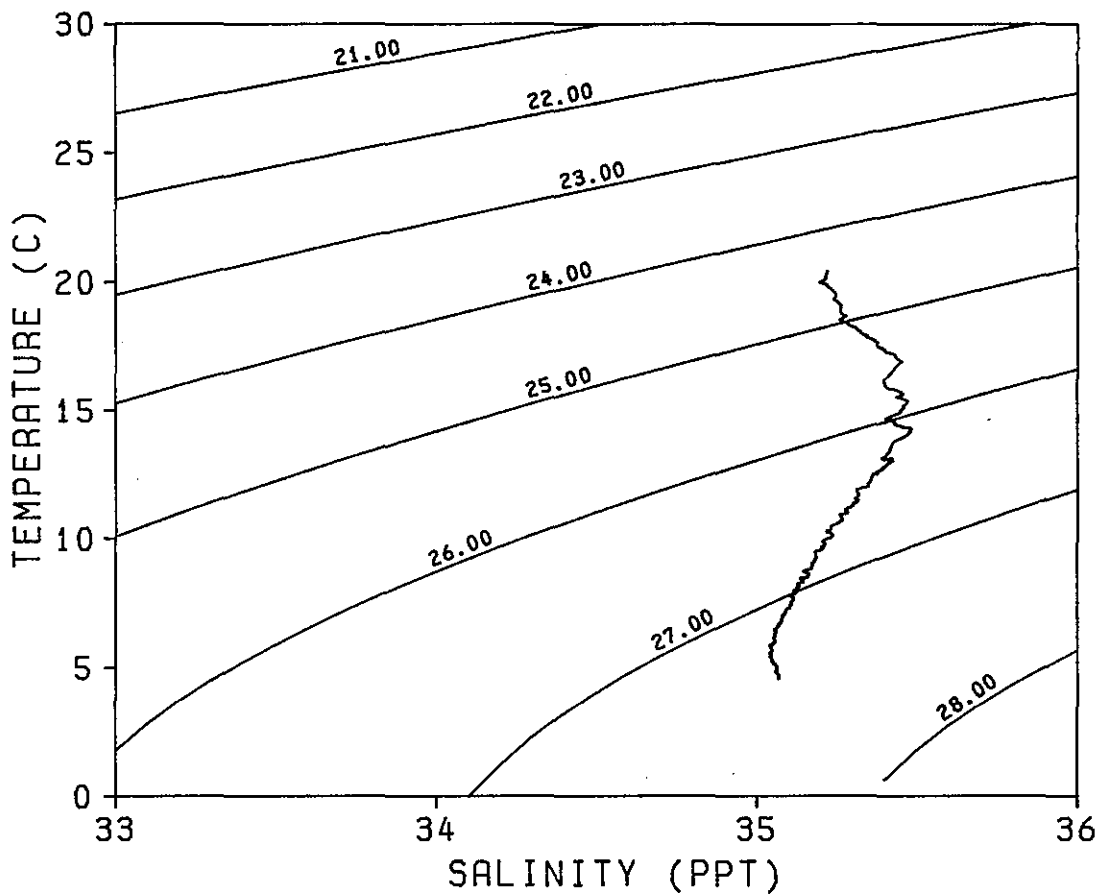
CAST FFF-R1-RS-024 DATE 03 NOV 81 TIME 2050 GMT
 LAT 09 00.5N LONG 110 00.2W WEATHER SEA STATE
 BAROMETER WIND DIR T SPD KT VISIBILITY
 CLOUD AMCLNT DRY WET



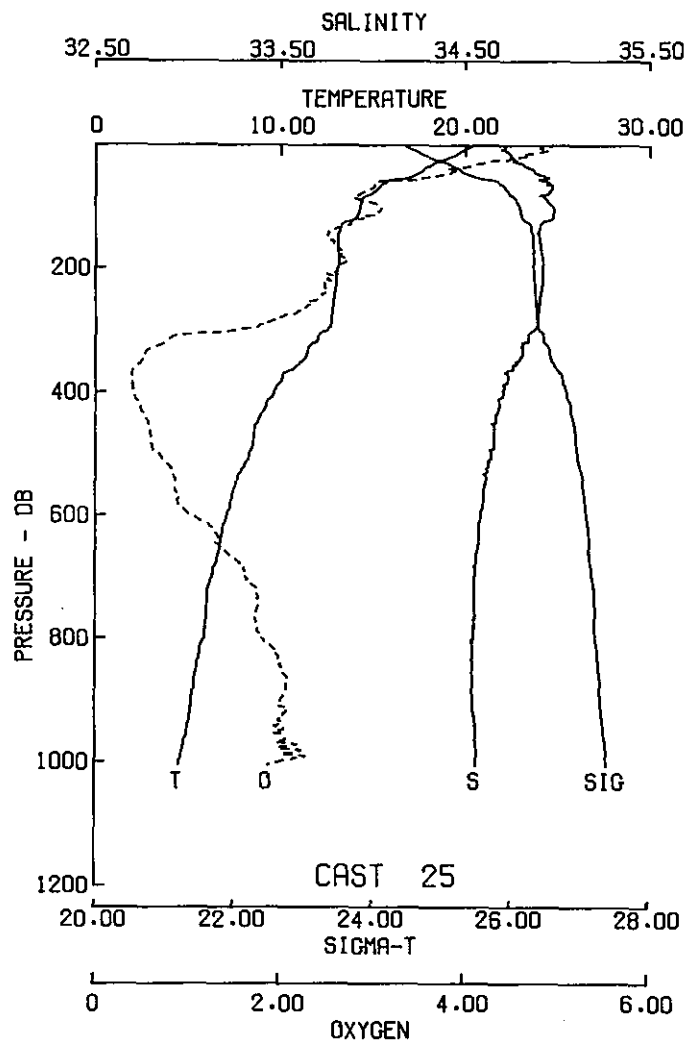
PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	27.389	32.834	3.95	20.985	0.000
10.	27.369	32.837	3.77	20.993	.168
20.	27.335	32.833	3.77	21.001	.134
30.	27.388	32.888	3.80	21.025	.204
40.	26.120	33.581	3.78	21.946	.245
50.	22.734	34.238	3.16	23.451	.321
60.	19.320	34.440	1.97	24.522	.350
70.	15.761	34.673	.76	25.567	.789
80.	14.655	34.751	.44	25.872	.411
90.	13.925	34.775	.35	26.047	.432
100.	13.564	34.792	.33	26.135	.451
110.	13.167	34.818	.31	26.236	.470
120.	12.934	34.829	.30	26.299	.488
130.	12.651	34.817	.33	26.338	.505
140.	12.355	34.812	.36	26.391	.522
150.	12.273	34.805	.37	26.403	.536
160.	12.061	34.794	.44	26.435	.556
170.	11.884	34.781	.41	26.455	.572
180.	11.747	34.776	.40	26.481	.588
190.	11.634	34.772	.37	26.499	.604
200.	11.503	34.764	.49	26.518	.620
250.	10.721	34.730	.67	26.634	.696
300.	10.248	34.711	.56	26.703	.768
350.	9.759	34.685	.37	26.766	.837
400.	9.134	34.651	.23	26.843	.904
450.	8.430	34.596	.19	26.911	.967
500.	7.732	34.575	.18	27.000	1.027
550.	7.109	34.564	.20	27.081	1.083
600.	6.649	34.549	.20	27.132	1.135
650.	6.199	34.551	.26	27.193	1.186
700.	5.812	34.550	.32	27.242	1.233
750.	5.433	34.551	.45	27.290	1.279
800.	5.206	34.552	.54	27.318	1.322
850.	4.568	34.554	.69	27.347	1.365
900.	4.720	34.557	.75	27.377	1.406
950.	4.535	34.562	.86	27.402	1.445
1000.	4.379	34.564	.96	27.421	1.484
1500.	3.132	34.603	1.72	27.577	1.825
2000.	2.234	34.643	2.32	27.689	2.105
2500.	1.550	34.666	2.88	27.737	2.348
3000.	1.722	34.673	3.18	27.753	2.582
3500.	1.611	34.681	3.55	27.768	2.810
3903.	1.627	34.684	3.94	27.769	

509

CAST EP5-81-RS-025 DATE 07 NOV 81 TIME 2019 GMT
LAT 0 00.1S LONG 094 55.2W



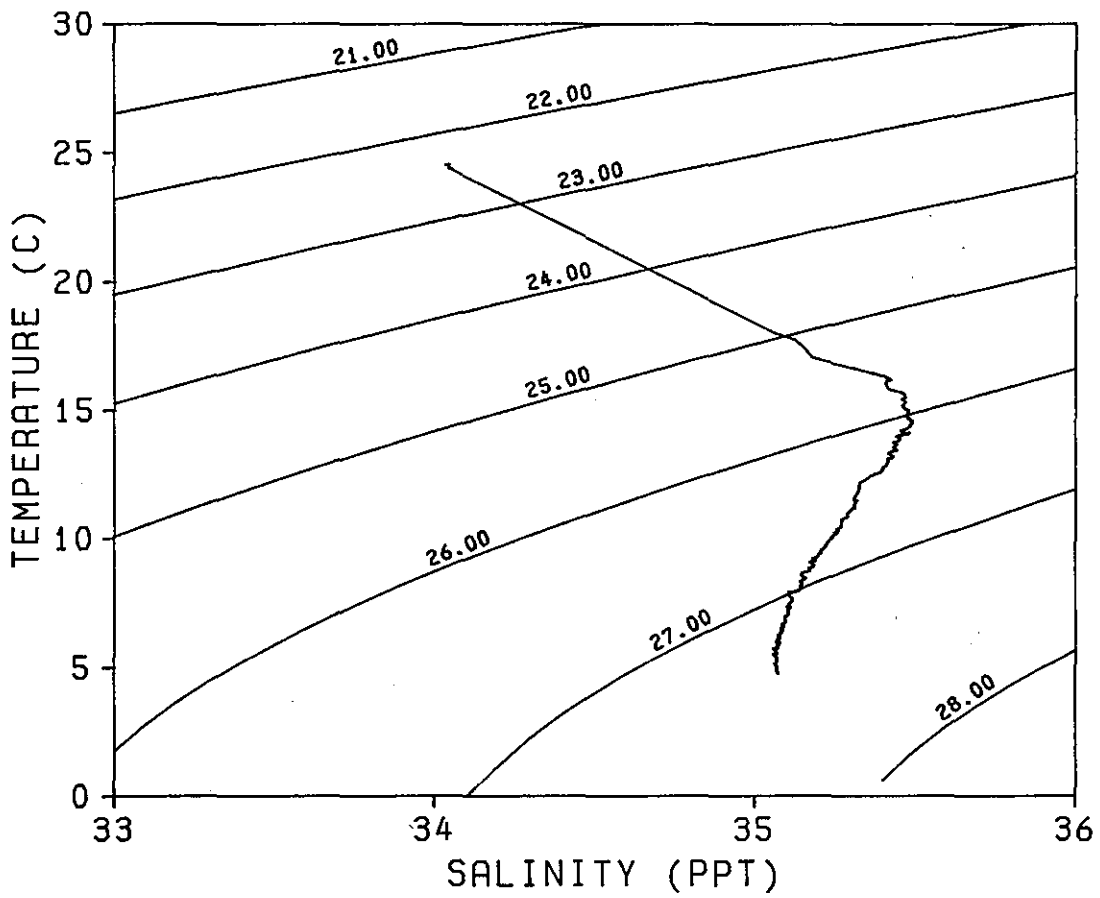
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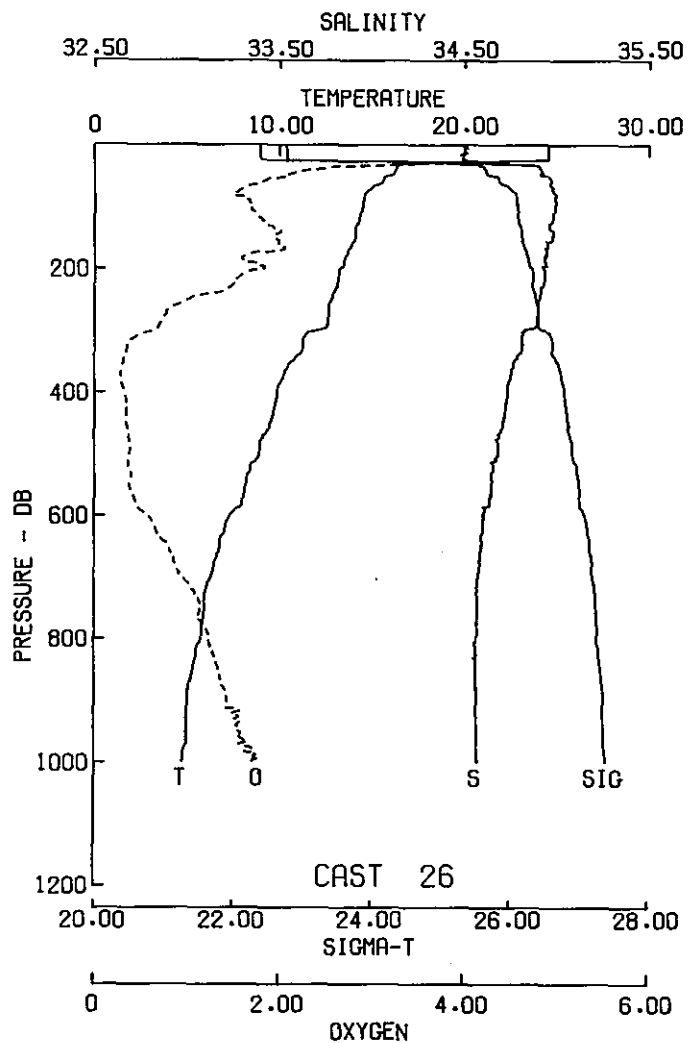
CAST FFE-81-RE-025 DATE 07 NOV 81 TIME 2019 GMT
 LAT 00.15 LONG (94 55.2W WEATHER SEA STATE
 BAROMETER WIND DIR T SPD VISIBILITY
 CLOUD AMOUNT CRY WET DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (CYA-M)
0.	20.424	34.721	4.88	24.454	0.000
10.	19.787	34.722	4.85	24.423	.034
20.	19.115	34.760	4.50	24.026	.067
30.	18.214	34.811	4.13	23.392	.097
40.	17.713	34.869	3.85	22.668	.125
50.	17.160	34.929	3.67	22.543	.152
60.	15.701	34.954	3.01	22.797	.176
70.	15.262	34.964	2.98	22.907	.197
80.	14.854	34.937	2.84	22.972	.218
90.	14.400	34.946	2.92	22.076	.236
100.	14.327	34.978	3.08	22.118	.256
110.	14.232	34.977	3.01	22.137	.277
120.	14.046	34.973	2.86	22.174	.296
130.	13.894	34.907	2.75	22.275	.314
140.	13.186	34.898	2.51	22.294	.332
150.	13.050	34.902	2.52	22.316	.351
160.	13.100	34.905	2.57	22.316	.367
170.	13.116	34.911	2.65	22.318	.385
180.	13.131	34.917	2.64	22.319	.402
190.	13.115	34.921	2.70	22.326	.420
200.	13.090	34.921	2.63	22.331	.438
250.	12.877	34.904	2.40	22.361	.525
300.	12.526	34.878	1.55	22.410	.611
350.	11.181	34.782	.51	22.591	.691
400.	9.648	34.712	.42	22.806	.762
450.	8.796	34.670	.57	22.912	.826
500.	8.312	34.645	.69	22.968	.887
550.	7.609	34.614	.87	22.049	.944
600.	7.119	34.591	1.05	22.101	.995
650.	6.726	34.573	1.35	22.141	1.051
700.	6.370	34.555	1.62	22.180	1.102
750.	6.024	34.556	1.76	22.220	1.151
800.	5.521	34.553	1.81	22.231	1.198
850.	5.479	34.545	2.04	22.279	1.245
900.	5.222	34.550	2.01	22.314	1.286
950.	4.937	34.563	2.02	22.353	1.332
1000.	4.587	34.568	2.02	22.400	1.377
1066.	4.561	34.568	1.88	22.404	

CAST EP5-81-RS-026 DATE 10 NOV 81 TIME 0625 GMT
LAT 00 01.3N LONG 084 59.8W



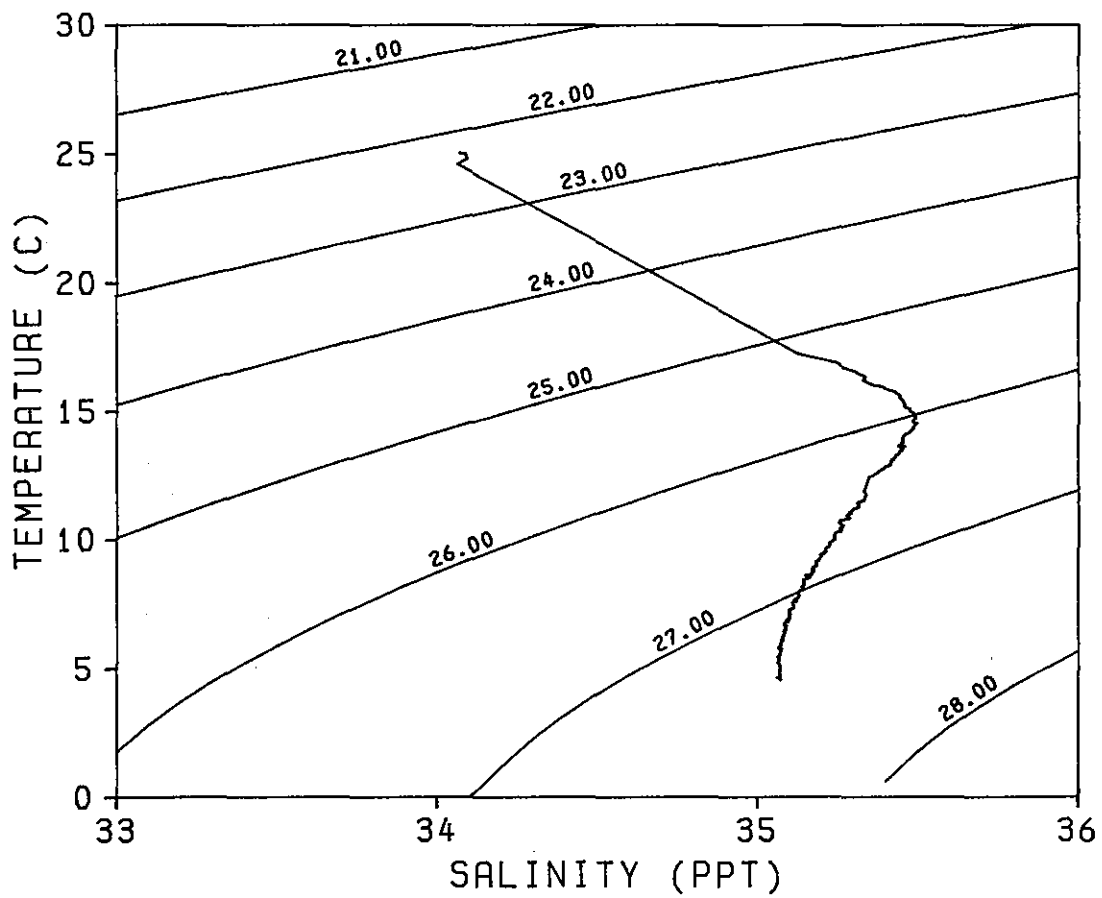
609



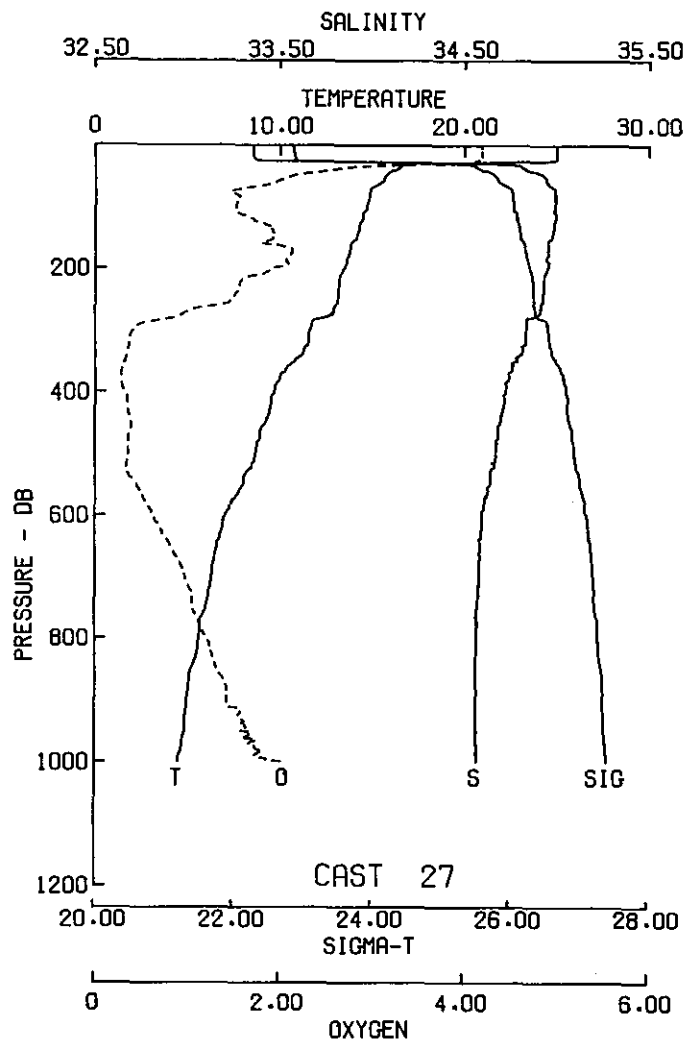
CAST EFF-81-RS-526 DATE 10 NOV 81 TIME 0625 GMT
 LAT 00 01.3N LONG 084 59.8W WEATHFR SEA STATE
 BAROMETER LTAD CIP T SPD KT VISIBILITY M
 CLOUD AMOUNT DRY WET

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.542	33.531	4.01	22.388	0.001
10.	24.544	33.540	4.02	22.396	.055
20.	24.546	33.543	4.01	22.398	.106
30.	17.488	34.650	3.51	22.514	.155
40.	16.245	34.914	2.37	22.542	.173
50.	15.821	34.917	2.05	22.574	.204
60.	15.544	34.965	1.81	22.584	.225
70.	14.936	34.976	1.60	22.584	.246
80.	14.571	34.994	1.49	22.607	.266
90.	14.507	34.993	1.68	22.609	.286
100.	14.465	34.989	1.68	22.609	.305
110.	14.379	34.984	1.73	22.611	.325
120.	14.313	34.979	1.81	22.612	.344
130.	14.156	34.965	1.88	22.614	.364
140.	14.121	34.983	2.02	22.616	.383
150.	14.068	34.974	1.96	22.617	.402
160.	13.913	34.955	2.02	22.618	.422
170.	13.686	34.943	2.01	22.622	.439
180.	13.567	34.932	1.62	22.624	.458
190.	13.462	34.937	1.69	22.626	.476
200.	13.220	34.933	1.84	22.631	.494
250.	12.820	34.908	1.02	22.637	.582
300.	11.897	34.826	.64	22.649	.667
350.	10.678	34.770	.31	22.657	.747
400.	9.880	34.736	.33	22.678	.812
450.	9.451	34.705	.35	22.683	.870
500.	9.509	34.684	.38	22.685	.943
550.	8.172	34.648	.37	22.699	1.003
600.	7.304	34.612	.58	22.709	1.061
650.	6.759	34.597	.79	22.715	1.117
700.	6.322	34.579	.94	22.719	1.167
750.	5.547	34.577	1.14	22.724	1.217
800.	5.768	34.572	1.24	22.726	1.256
850.	5.326	34.569	1.35	22.731	1.301
900.	5.018	34.570	1.43	22.735	1.343
950.	4.591	34.573	1.56	22.735	1.385
999.	4.751	34.575	1.79	22.738	

CAST EP5-81-RS-027 DATE 10 NOV 81 TIME 1226 GMT
LAT 00 00.1N LONG 083 58.8W



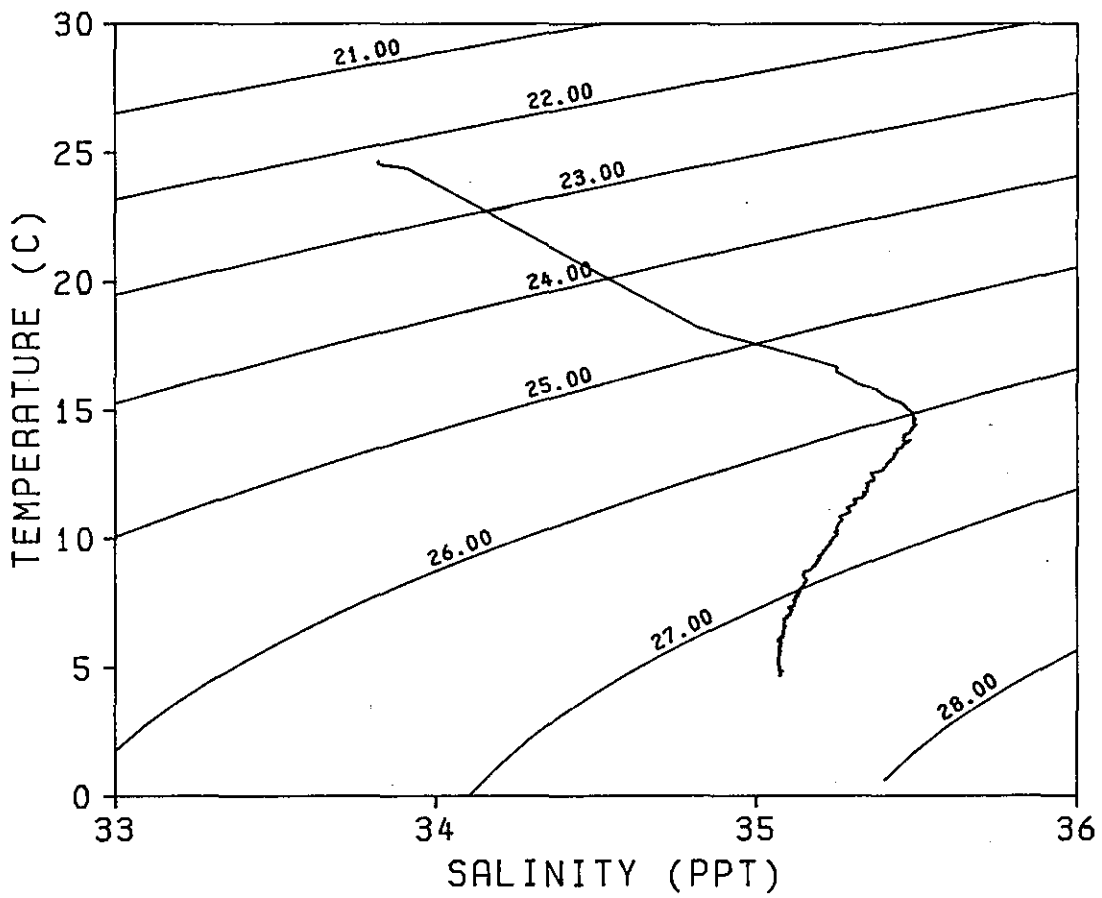
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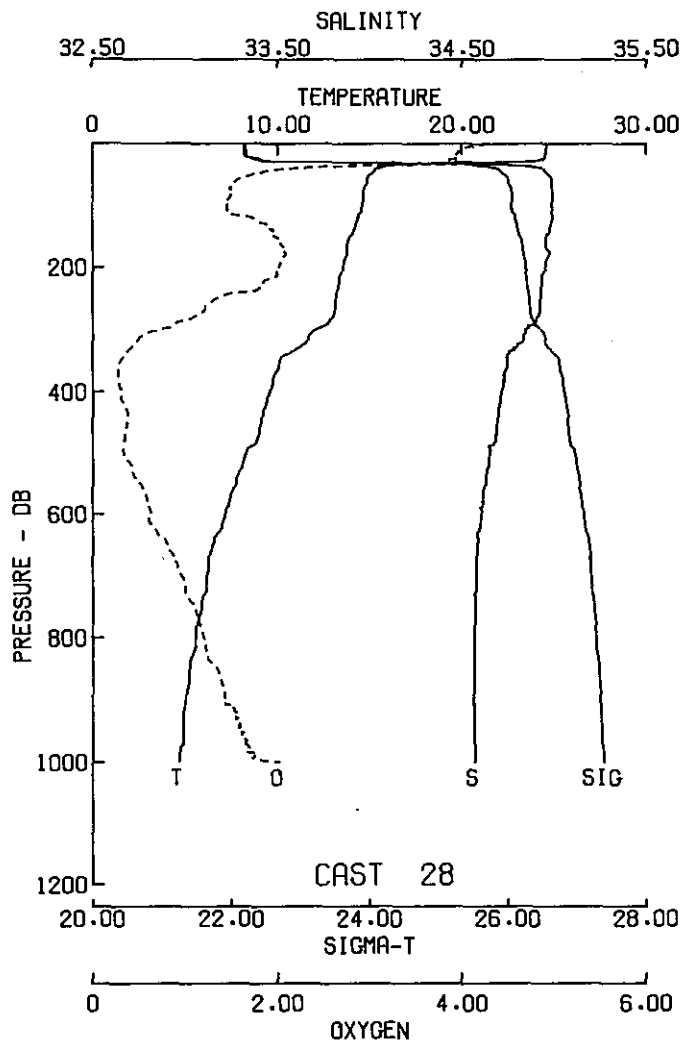
CAST EFF-81-RS-C27 DATE 10 NOV 81 TIME 122E GMT
 LAT 00 09.1N LON 083 58.8W WFAESEA STATE
 BAROMETER WIND DIR T SPD KT VISIRILITY
 CLOUD AMCUNT DRY WET DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYK-M)
0.	25.030	34.569	4.13	22.271	0.300
10.	25.007	34.576	4.20	22.284	0.056
20.	24.993	34.584	4.15	22.294	0.111
30.	24.993	34.593	4.18	22.305	0.160
40.	24.993	34.602	4.21	22.316	0.210
50.	24.993	34.611	4.24	22.327	0.260
60.	24.993	34.620	4.27	22.338	0.310
70.	24.993	34.629	4.30	22.349	0.360
80.	24.993	34.638	4.33	22.360	0.410
90.	24.993	34.647	4.36	22.371	0.460
100.	24.993	34.656	4.39	22.382	0.510
110.	24.993	34.665	4.42	22.393	0.560
120.	24.993	34.674	4.45	22.404	0.610
130.	24.993	34.683	4.48	22.415	0.660
140.	24.993	34.692	4.51	22.426	0.710
150.	24.993	34.701	4.54	22.437	0.760
160.	24.993	34.710	4.57	22.448	0.810
170.	24.993	34.719	4.60	22.459	0.860
180.	24.993	34.728	4.63	22.470	0.910
190.	24.993	34.737	4.66	22.481	0.960
200.	24.993	34.746	4.69	22.492	1.010
250.	24.993	34.760	4.75	22.506	1.070
300.	24.993	34.774	4.81	22.520	1.130
350.	24.993	34.788	4.87	22.534	1.190
400.	24.993	34.802	4.93	22.548	1.250
450.	24.993	34.816	4.99	22.562	1.310
500.	24.993	34.830	5.05	22.576	1.370
550.	24.993	34.844	5.11	22.590	1.430
600.	24.993	34.858	5.17	22.604	1.490
650.	24.993	34.872	5.23	22.618	1.550
700.	24.993	34.886	5.29	22.632	1.610
750.	24.993	34.900	5.35	22.646	1.670
800.	24.993	34.914	5.41	22.660	1.730
850.	24.993	34.928	5.47	22.674	1.790
900.	24.993	34.942	5.53	22.688	1.850
950.	24.993	34.956	5.59	22.702	1.910
1000.	24.993	34.970	5.65	22.716	1.970
1050.	24.993	34.984	5.71	22.730	2.030
1100.	24.993	34.998	5.77	22.744	2.090
1150.	24.993	35.012	5.83	22.758	2.150
1200.	24.993	35.026	5.89	22.772	2.210

CAST EP5-81-RS-028 DATE 10 NOV 81 TIME 1812 GMT
LAT 00 00.5N LONG 082 59.5W

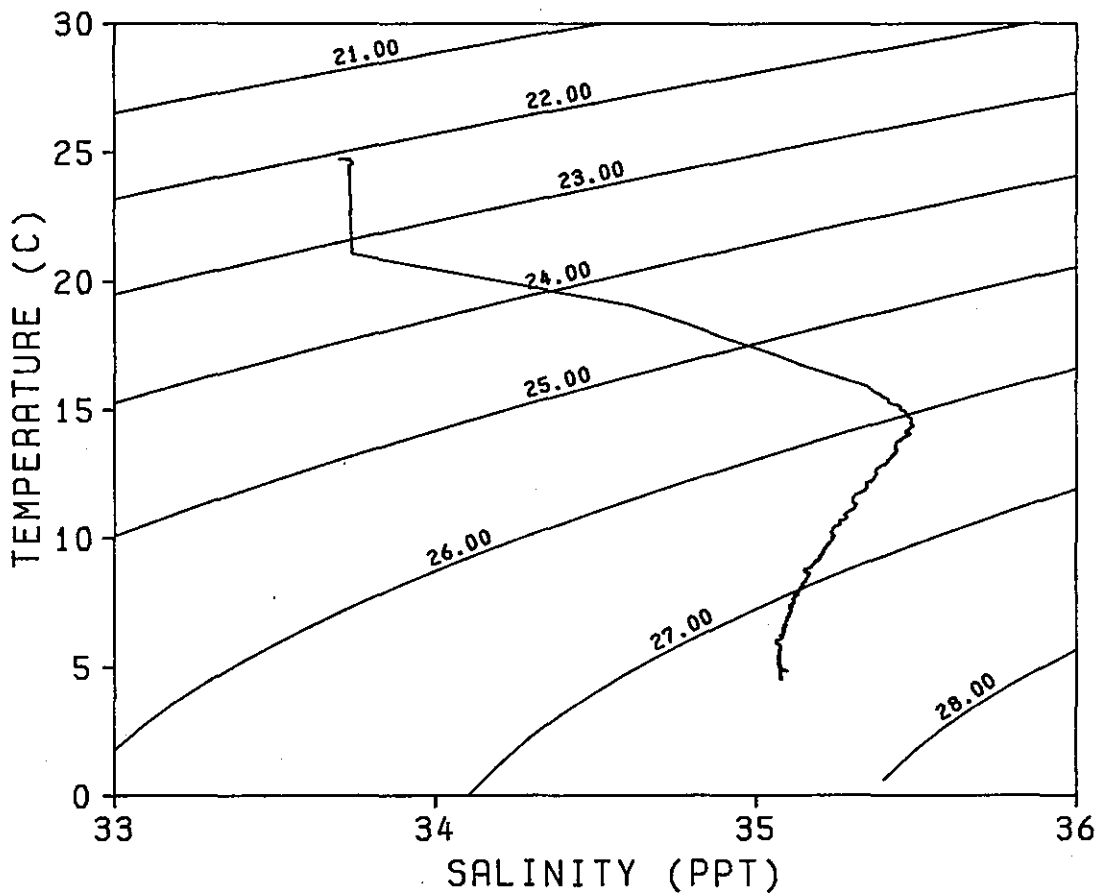


CAST EFF-81-RS-028 DATE 16 NOV 81 TIME 1812 GMT
 LAT 00 05.5N LONG 082 59.5W WEATHER SEA STATE
 BAROMETER WIND DIR T SPD WET VISIBILITY M
 CLOUD AMOUNT DRY WET DEPTH M

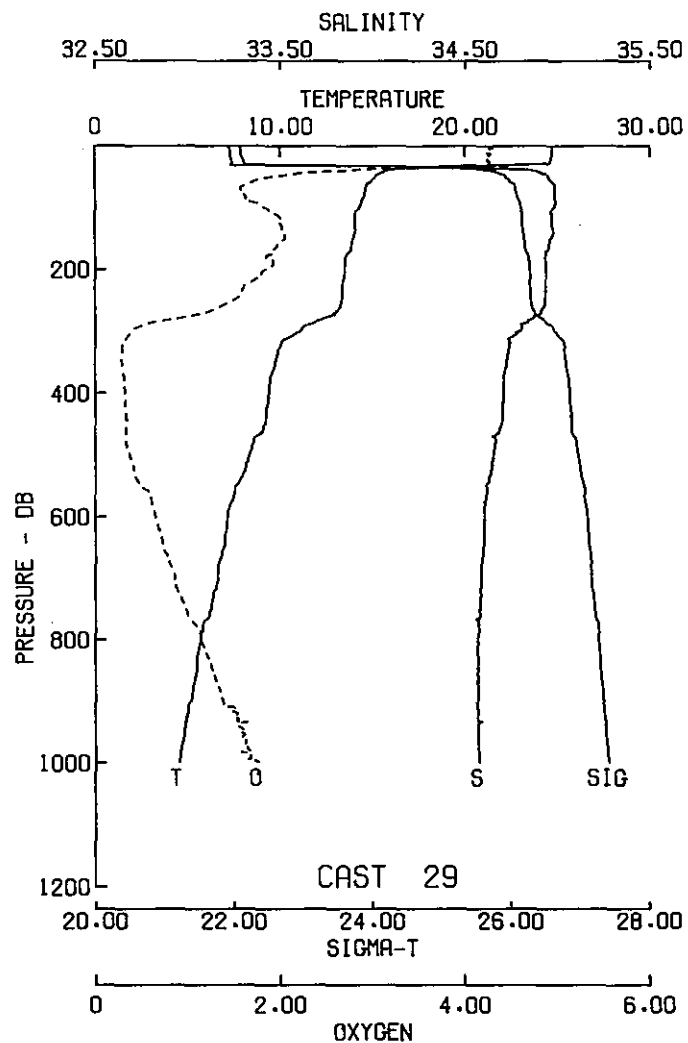


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.630	33.323	4.92	22.206	0.600
10.	24.561	33.322	4.80	22.227	.654
20.	24.538	33.328	3.94	22.232	.112
30.	22.051	33.753	4.03	23.277	.167
40.	15.413	34.924	2.19	25.836	.195
50.	15.037	34.969	1.74	25.957	.216
60.	14.876	34.989	1.55	26.002	.236
70.	14.729	34.990	1.51	26.041	.256
80.	14.653	34.991	1.50	26.057	.276
90.	14.645	34.993	1.47	26.061	.296
100.	14.630	34.993	1.46	26.064	.316
110.	14.608	34.991	1.46	26.067	.336
120.	14.405	34.997	1.72	26.116	.355
130.	14.280	34.987	1.89	26.135	.375
140.	14.188	34.983	1.64	26.151	.394
150.	13.973	34.959	1.96	26.179	.413
160.	13.837	34.957	2.02	26.202	.432
170.	13.790	34.962	2.06	26.219	.450
180.	13.776	34.972	2.09	26.230	.469
190.	13.602	34.955	2.04	26.253	.487
200.	13.561	34.951	2.01	26.258	.506
250.	13.188	34.929	1.34	26.318	.596
300.	12.057	34.849	.73	26.472	.687
350.	10.151	34.751	.31	26.751	.750
400.	9.588	34.717	.32	26.820	.827
450.	9.156	34.695	.39	26.874	.892
500.	8.333	34.656	.34	26.973	.954
550.	7.752	34.631	.53	27.041	1.011
600.	7.194	34.607	.63	27.103	1.066
650.	6.493	34.585	.81	27.182	1.118
700.	6.213	34.583	.97	27.216	1.166
750.	5.918	34.577	1.10	27.250	1.213
800.	5.684	34.574	1.21	27.287	1.250
850.	5.250	34.570	1.35	27.326	1.302
900.	5.063	34.568	1.45	27.347	1.345
950.	4.937	34.573	1.59	27.366	1.387
1000.	4.671	34.570	2.02	27.493	1.427

CAST EP5-81-RS-029 DATE 11 NOV 81 TIME 0004 GMT
LAT 0 00.3S LONG 081 59.9W



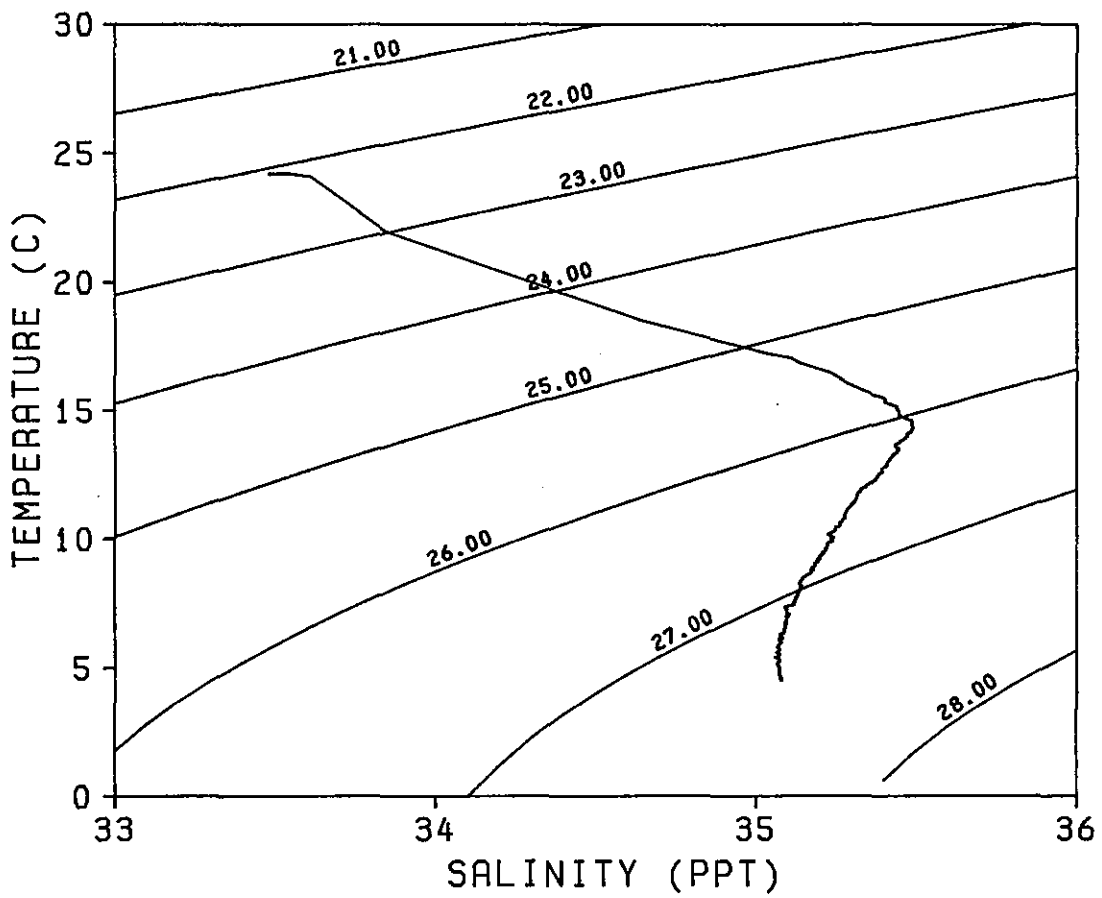
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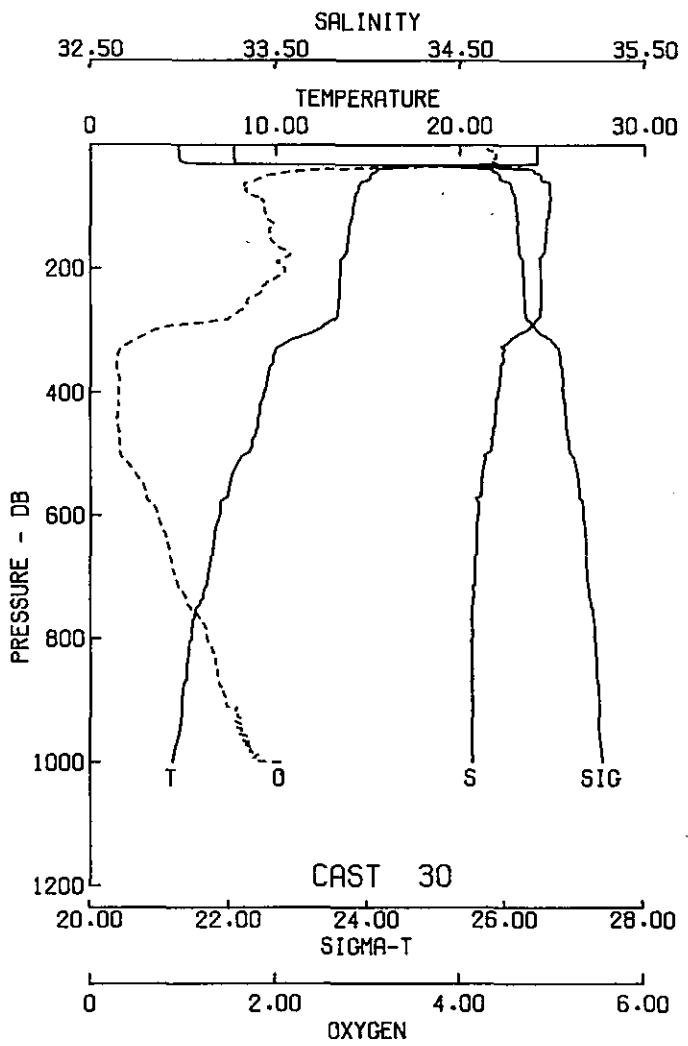
CAST EFF-81-RS-029 DATE 11 NOV 81 TIME 2004 GMT
 LAT 30 00.35 LONG 281 59.96 WEATHER SEA STATE
 BAROMETER WIND DIR T SPD KT VISIBILITY M
 CLOUD AMOUNT DRY WET DEPTH

FRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-P (DYN-M)
0.	24.741	33.202	4.32	22.082	0.608
10.	24.732	33.234	4.26	22.105	0.057
20.	24.660	33.238	4.27	22.134	0.115
30.	24.478	33.231	4.23	22.183	0.172
40.	15.786	33.862	2.74	25.707	0.206
50.	15.142	33.952	1.90	25.920	0.228
60.	14.771	33.974	1.67	26.015	0.248
70.	14.612	33.988	1.58	26.064	0.268
80.	14.526	33.986	1.51	26.081	0.288
90.	14.366	33.990	1.57	26.119	0.307
100.	14.248	33.980	1.84	26.137	0.326
110.	14.079	33.970	1.95	26.165	0.345
120.	14.070	33.972	2.01	26.168	0.364
130.	14.075	33.974	2.02	26.168	0.383
140.	14.043	33.986	2.03	26.175	0.402
150.	13.835	33.964	2.22	26.190	0.421
160.	13.860	33.954	1.97	26.198	0.440
170.	13.790	33.948	1.84	26.208	0.458
180.	13.525	33.932	1.84	26.251	0.477
190.	13.477	33.936	1.90	26.264	0.495
200.	13.468	33.939	1.88	26.268	0.513
250.	13.335	33.935	1.44	26.292	0.604
300.	11.074	33.798	0.39	26.622	0.688
350.	9.754	33.727	0.29	26.800	0.757
400.	9.283	33.709	0.32	26.847	0.822
450.	9.153	33.696	0.33	26.875	0.886
500.	9.329	33.652	0.38	26.971	0.948
550.	7.575	33.513	0.43	27.052	1.008
600.	7.154	33.508	0.53	27.105	1.056
650.	6.527	33.599	0.73	27.133	1.112
700.	6.636	33.593	0.86	27.169	1.163
750.	6.244	33.584	0.98	27.214	1.212
800.	5.705	33.574	1.15	27.274	1.256
850.	5.469	33.574	1.27	27.303	1.297
900.	5.142	33.567	1.38	27.337	1.347
950.	4.825	33.575	1.57	27.380	1.388
999.	4.499	33.578	1.76	27.415	

CAST EP5-81-RS-030 DATE 11 NOV 81 TIME 0348 GMT
LAT 00 00.6N LONG 081 28.9W



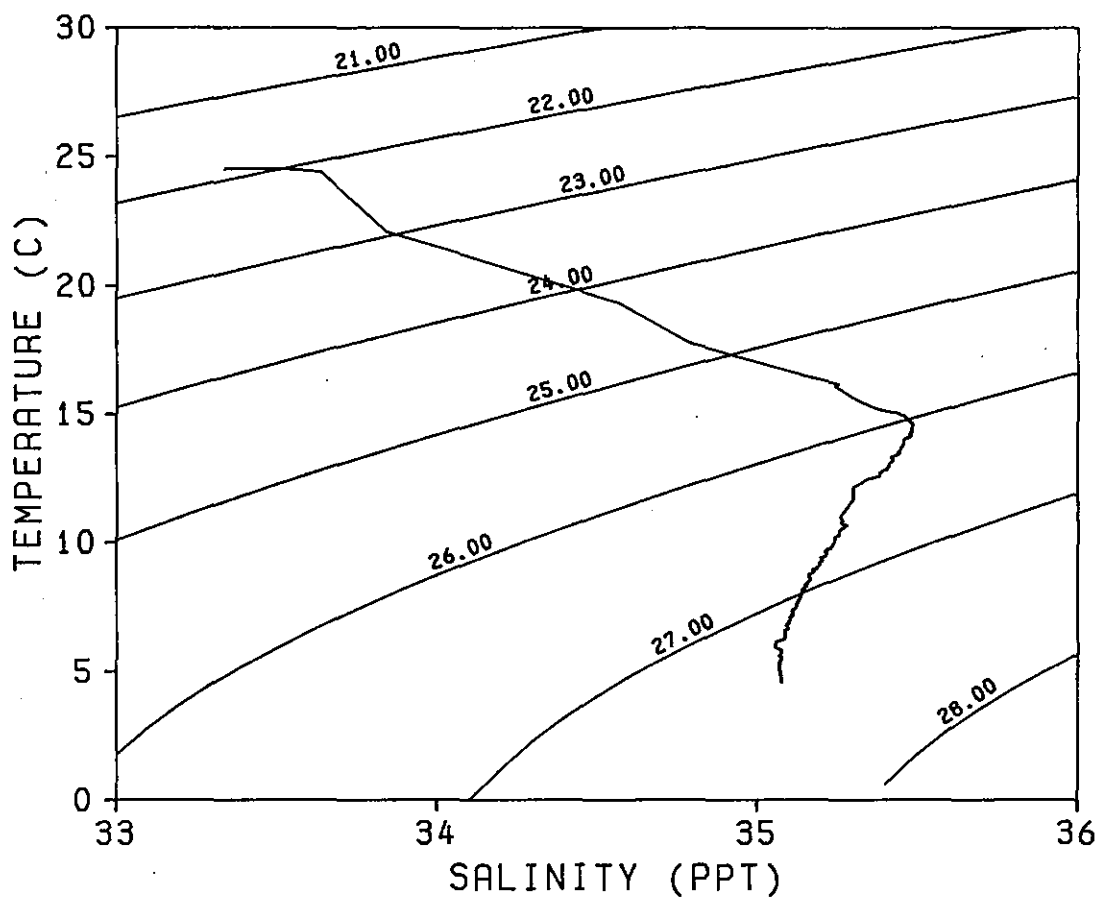
617



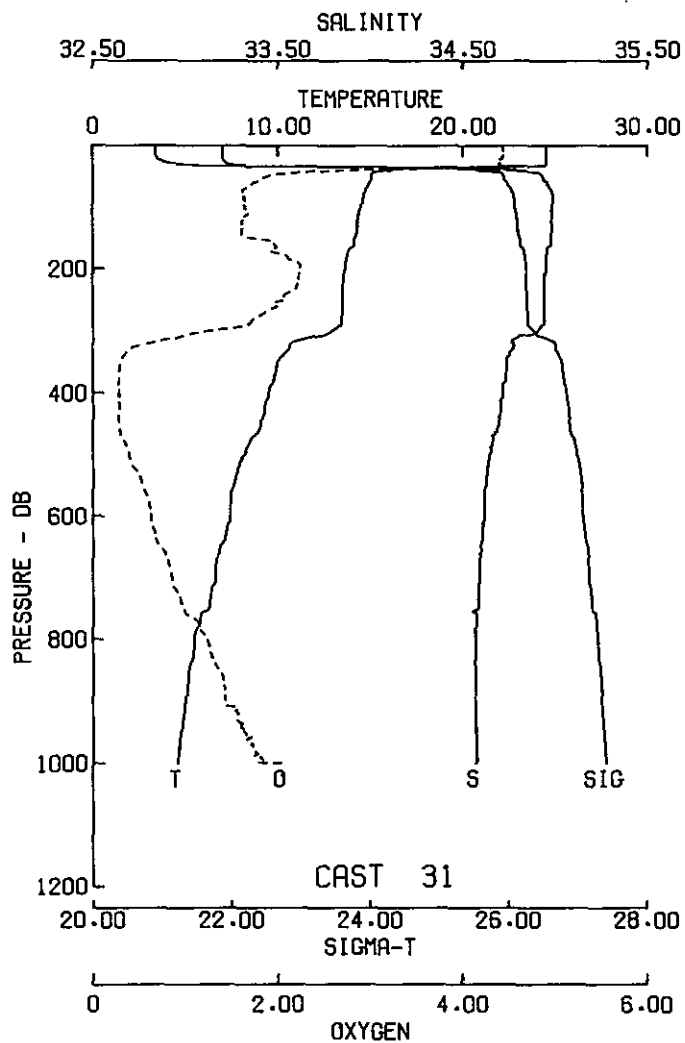
CAST FFS-P1-RS-330 DATE 11 NOV 81 TIME 0348 GMT
 LAT 20 00.6N LONG 121 28.0E WEATHER SEA STATE
 BAROMETER WIND DIR T SPD KT VISIBILITY M
 CLOUD AMOUNT TRY WET WET DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (CYN-M)
0.	24.216	34.982	4.45	22.672	0.000
10.	24.188	34.982	4.34	22.681	0.058
20.	24.192	34.982	4.40	22.688	0.115
30.	24.218	33.032	4.35	22.710	0.173
40.	15.524	34.895	2.50	25.792	0.206
50.	15.144	34.941	1.89	25.911	0.228
60.	14.660	34.973	1.75	26.042	0.245
70.	14.307	34.988	1.69	26.087	0.268
80.	14.355	34.989	1.72	26.120	0.288
90.	14.299	34.990	1.85	26.135	0.307
100.	14.209	34.984	1.87	26.148	0.325
110.	14.16	34.983	1.89	26.156	0.345
120.	14.116	34.973	1.91	26.155	0.364
130.	14.044	34.973	1.96	26.174	0.383
140.	14.028	34.972	1.95	26.177	0.402
150.	13.576	34.970	1.94	26.186	0.421
160.	13.939	34.966	2.00	26.191	0.440
170.	13.882	34.961	2.10	26.199	0.459
180.	13.742	34.949	2.16	26.218	0.477
190.	13.532	34.940	2.02	26.255	0.495
200.	13.533	34.940	2.11	26.256	0.514
250.	13.453	34.943	1.71	26.274	0.605
300.	12.198	34.861	0.68	26.461	0.694
350.	9.874	34.738	0.29	26.788	0.766
400.	9.422	34.708	0.31	26.840	0.832
450.	9.102	34.697	0.30	26.884	0.896
500.	8.412	34.644	0.33	26.951	0.954
550.	7.561	34.619	0.58	27.060	1.014
600.	7.011	34.603	0.73	27.125	1.068
650.	6.543	34.594	0.84	27.168	1.118
700.	6.386	34.589	0.93	27.198	1.168
750.	5.578	34.565	1.09	27.257	1.216
800.	5.502	34.574	1.27	27.300	1.261
850.	5.236	34.573	1.38	27.331	1.304
900.	4.577	34.573	1.47	27.361	1.346
950.	4.874	34.575	1.64	27.374	1.387
1000.	4.487	34.575	2.07	27.418	1.426

CAST EP5-81-RS-031 DATE 11 NOV 81 TIME 0715 GMT
LAT 00 00.3N LONG 081 00.2W



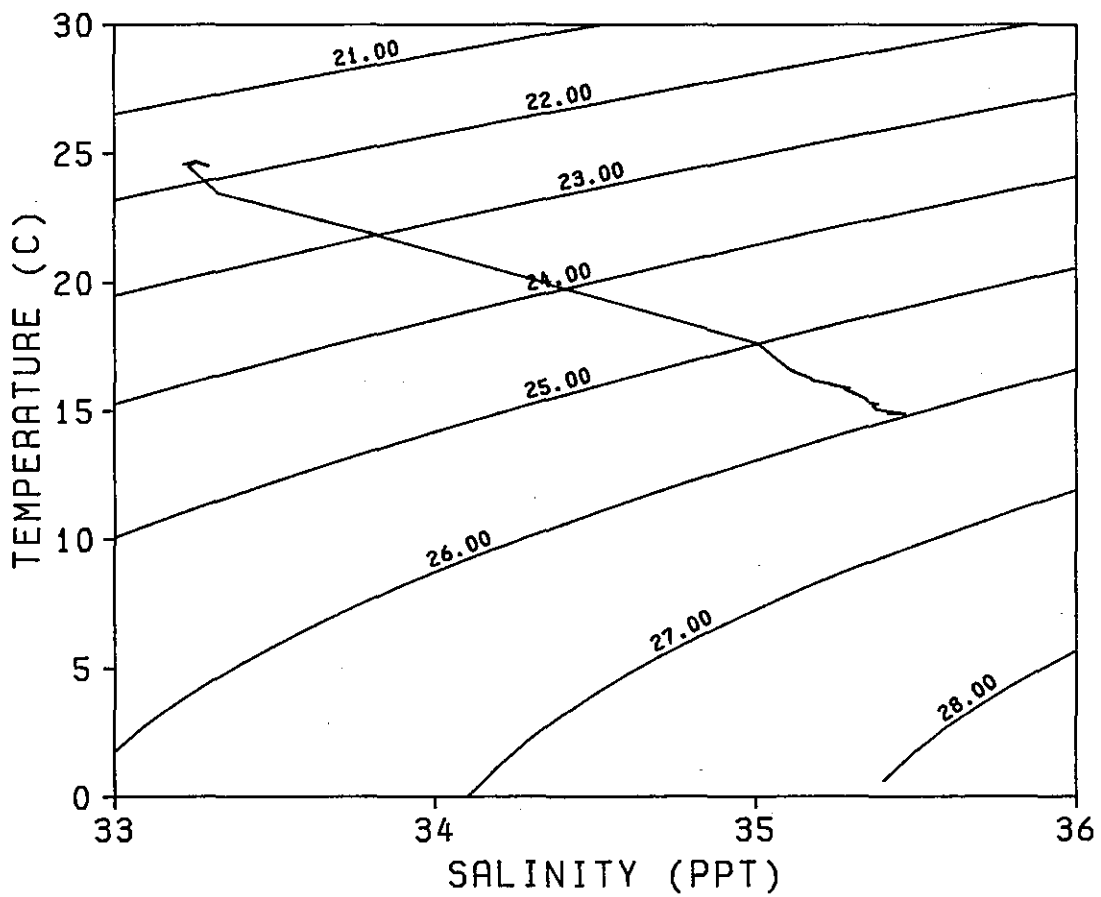
619



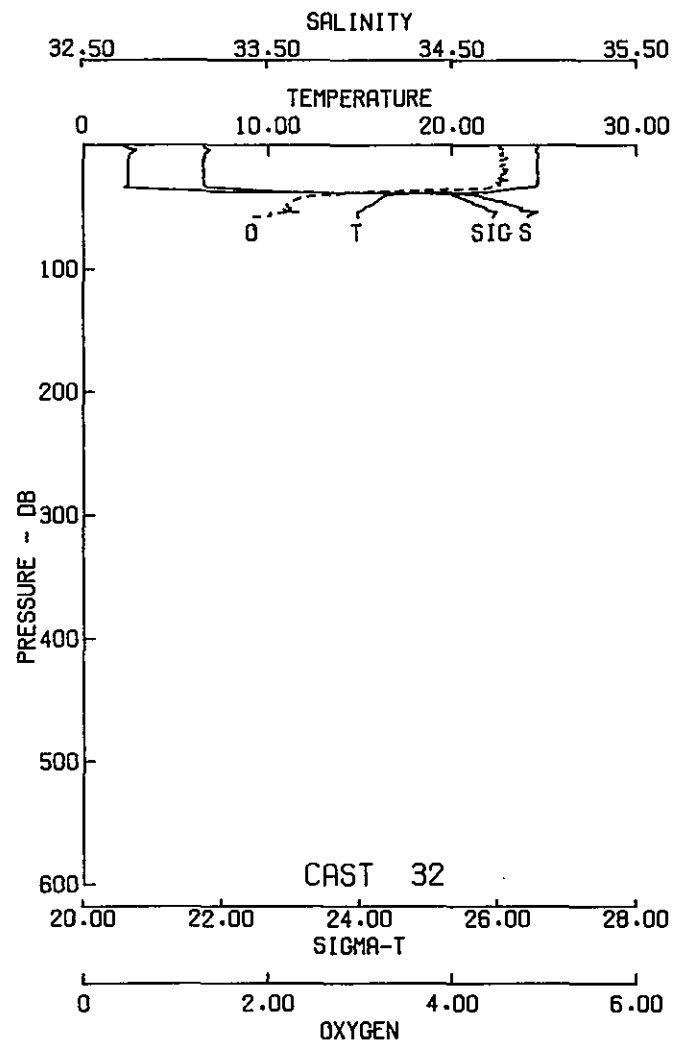
CAST FFF-R1-RS-031 DATE 11 NOV 81 TIME 0715 GMT
 LAT 00 00.3N LONG 081 00.2W WEATHER SFA STAFF
 BAROMET WIND DIR T SPC KT VISIBILITY
 CLOUD AMCLNT DRY WET DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYA-M)
0.	24.541	34.843	4.43	21.872	0.000
10.	24.529	34.841	4.44	21.873	.060
20.	24.534	34.850	4.44	21.879	.110
30.	24.533	34.970	4.39	21.970	.170
40.	16.091	34.741	2.70	25.545	.215
50.	15.059	34.930	1.88	25.922	.241
60.	14.525	34.958	1.73	25.977	.262
70.	14.748	34.976	1.66	26.025	.287
80.	14.610	34.987	1.63	26.064	.302
90.	14.550	34.987	1.64	26.077	.322
100.	14.489	34.984	1.66	26.080	.342
110.	14.369	34.983	1.70	26.113	.361
120.	14.314	34.981	1.62	26.123	.381
130.	14.302	34.983	1.63	26.127	.400
140.	14.274	34.982	1.61	26.133	.410
150.	14.145	34.982	1.72	26.160	.437
160.	14.102	34.978	1.96	26.166	.457
170.	13.799	34.954	1.91	26.211	.476
180.	13.707	34.948	2.10	26.226	.495
190.	13.635	34.948	2.21	26.240	.513
200.	13.601	34.947	2.23	26.247	.532
250.	13.506	34.944	2.07	26.264	.623
300.	12.520	34.904	1.24	26.352	.715
350.	9.582	34.742	.31	26.772	.790
400.	9.483	34.716	.28	26.835	.856
450.	9.101	34.697	.25	26.884	.921
500.	8.196	34.646	.35	26.986	.981
550.	7.594	34.625	.53	27.060	1.038
600.	7.430	34.620	.62	27.079	1.092
650.	6.851	34.596	.73	27.142	1.146
700.	6.636	34.596	.86	27.171	1.197
750.	6.252	34.583	.98	27.212	1.246
800.	5.492	34.575	1.23	27.301	1.292
850.	5.178	34.571	1.36	27.336	1.335
900.	5.020	34.573	1.45	27.356	1.377
950.	4.746	34.575	1.65	27.386	1.418
1000.	4.563	34.570	2.04	27.406	1.459

CAST EP5-81-RS-032 DATE 11 NOV 81 TIME 1030 GMT
LAT 0 01.0S LONG 080 31.0W



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CAST EFF-R1-RS-032 DATE 11 NOV 81 TIME 1030 GMT
 LAT 0 01.0S LONG 180 31.0W WEATHER SEA STATE
 BAROMETER WIND DIR T SPD KT VISIBILITY
 CLOUD AMCLNT CRY WFT DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0.	24.578	34.6715	4.52	21.764	0.000
10.	24.682	34.6754	4.62	21.762	.060
20.	24.686	34.6754	4.61	21.761	.121
30.	24.685	34.6755	4.47	21.762	.182
40.	24.610	34.6100	2.70	25.332	.234
50.	24.858	34.8588	2.22	25.811	.256
58.	24.911	34.9111	1.85	25.932	