

NOAA Data Report ERL PMEL-33



CTD/O₂ DATA MEASUREMENTS COLLECTED ON TEW (TRANSPORT OF EQUATORIAL
WATERS) JUNE-AUGUST 1987

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NATIONAL OCEANIC AND
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**UNITED STATES
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CTD/O₂ Data Measurements Collected on TEW (Transport of Equatorial Waters) June–August 1987

L. Mangum, J. Lynch, K. McTaggart, L. Stratton, and S. Hayes

ABSTRACT. Summaries of Neil Brown Instrument System (NBIS) CTD/O₂ measurements recorded on the TEW (Transports of Equatorial Waters) cruises during 1987, a description of the acquisition and processing systems, and a discussion of calibration techniques are presented. The major portion of these data was collected from 150°W to 150°E in the latitude range of 12°S–15°S. Additional casts collected across the Samoan Passage, in the Coral Sea Basin, across the Solomon Sea, and in the Pacific Basin along longitude 165°E between 5°S and 8°N are also presented. Station locations, meteorological conditions, and profiles of potential temperature, salinity, σ_θ and oxygen are shown for each cast. In addition, potential temperature-salinity diagrams for each cast and section plots of oceanographic variables are given.

1. INTRODUCTION

The circulation of the equatorial Pacific has been principally determined by meridional sections across the zonal currents which dominate this region. Study of meridional flows into and out of the tropics has largely been limited to measurements of the boundary currents on the eastern and western sides of the basin and to inferences based upon property distributions from non-synoptic multi-cruise, multi-year measurements (e.g., Tsuchiya, 1968, 1981; Reid, 1986). In recent studies, emphasis on the boundary current regions has continued with the South East Tropical Pacific (SETP) component of the Equatorial Pacific Ocean Climate Study (EPOCS), the Western Equatorial Pacific Ocean Climate Study (WEPOCS), and the US-PRC TOGA study.

The vast mid-Pacific basin, covering more than a quarter of the earth's circumference has continued to be sampled with non-synoptic meridional sections at several longitudes and relatively short equatorial zonal sections. Recent estimates of the tropical Pacific heat budget and its variability have led to renewed interest in this mid-basin regime. On average the surface waters of the tropical Pacific collect heat from the sun and this heat is transported poleward. The magnitude and mechanisms of this mean heat flux out of the tropics is still poorly understood (Talley, 1984). In addition, several studies (Bryan, 1982; Pares-Sierra, 1985; Philander *et al.*, 1986) emphasize the seasonal and interannual fluctuations in heat transport. Understanding the poleward heat transport and its variability is also crucial to the ENSO problem. In view of the ongoing studies of equatorial Pacific Ocean circulation, the planned studies of global ocean circulation (WOCE), and the importance of meridional heat and freshwater transports by the Pacific, there was clearly a need for modern, high quality trans-Pacific hydrographic sections in the tropics. Such a section, chosen along approximately 15°S in order to pass near the center of the subtropical gyre of the South Pacific surface circulation, was the principal operation of the TEW expedition. The eastern section between Peru and 150°W was covered by the NOAA Ship *Researcher* in June–July, 1987 and the data were collected by the Atlantic Oceanographic and

Meteorological Laboratory (AOML) and are not presented here. The western section from 150°W to Australia and additionally across the Samoan Passage, in the Coral Sea, across the Solomon Sea, and in the Pacific Basin along longitude 165°E was covered by the NOAA Ship *Oceanographer*. This work was done on two legs which included the TW2-87-OC leg (from Papeete, Tahiti to Townsville, Australia) and the TW3-87-OC leg (from Townsville, Australia to Kwajalein, Micronesia). These data are the focus of this report. On TW1-87-OC, the *Oceanographer* transitted from Seattle to Tahiti and only underway observations were collected on this leg, which are not included in this report. This two-part zonal section extends the EPOCS work off Peru, interfaces with the WEPOCS and US-PRC study in the west, and combined with the SCORPIO sections in the South Pacific (43°S, 28°S) and the North Pacific sections (47°N, 24°N, 10°N) completes the first zonal census of the Pacific Ocean hydrographic structure.

A cruise track is given in Fig. 1; stations occupied are listed in Tables 1 and 2. A total of 151 CTD profiles were collected. Measurements were made with a Neil Brown Instrument Systems (NBIS) Mark III CTD equipped with a Beckman dissolved oxygen probe. This system sampled five parameters (pressure, temperature, conductivity, oxygen sensor current, and oxygen sensor temperature) at a rate of 25 hz. Least count resolution of the system was: temperature, .0005°C; conductivity, .001 mmho/cm; and pressure, .1 dbar. The separately digitized fast response thermistor was disconnected and only the platinum thermometer was used. The digital data were recorded using a DEC LSI 11/23 computer. Normal lowering rates were 30 m/min to 50 m depth, 45 m/min to 200 m depth, and 60 m/min below 200 m. The majority of the CTDs were taken to within 30 meters of the bottom using an acoustic pinger to detect distance from the bottom.

Water samples were collected on most casts using a 24-bottle General Oceanics rosette sampler. The water samples were routinely analyzed for salinity and dissolved oxygen. Nutrients were analyzed onboard using a five channel AutoAnalyzer II system for R. Barber (Duke) and L. Codispoti (Bigelow). Primary productivity was measured for R. Barber (Duke) from near surface samples from most casts. Photo-synthetic pigment samples were filtered from samples in the upper water column, and these filters were returned to R. Bidigare (Texas A&M University) for analysis. Freon-11 and freon-12 samples were collected every 3° of longitude and analyzed for R. Gammon (PMEL). Helium samples were collected between 1000 m and 4000 m depth approximately every 5° of longitude across the section for J. Lupton (UCSB). Salinity and oxygen are the only discretely sampled data that will be included in this report.

2. NBIS CTD DATA PROCESSING

2.1 Shipboard Data Acquisition and Processing

The shipboard acquisition and processing system is described in Mangum *et al.* (1980). Briefly, the digitized signal from the CTD deck unit was recorded in real time from the downcast on a 9-track magnetic tape using the LSI 11/23 computer system. Backup audio recordings were

also collected for each cast which could be used to replay the cast in the event of problems with the original 9-track tape. For general use during the cruise, the data were edited and one-decibar averages were computed, after corrections for response time differences between the temperature and conductivity probes were made. No lag corrections were applied to the oxygen and pressure data. Listings and displays of the data were available during the cruise, which enabled the monitoring of data quality and preliminary analysis.

Throughout the cruise, laboratory calibration information from pre-cruise calibrations were compared with bottle calibration information and historical data to determine corrections to the CTD pressure, temperature and conductivity. The original unprocessed data were returned to PMEL where final calibrations and processing were completed.

2.2 Calibration Programs

Pre- and post-cruise instrument calibrations of CTD pressure, temperature, and conductivity are carried out at Northwest Regional Calibration Center (NWRCC). The CTD is placed in a temperature-controlled bath and compared against a calibration standard at nine different temperatures ranging from 0°C to 30°C. A linear fit is calculated for the platinum thermometer. A calibrated piston gauge was used to determine separate third order fits for the CTD pressure sensor at four temperatures for increasing pressure (over 7 pressure values from 0 to 6300 dbars) and decreasing pressure (over 6 values from 6300 to 0 dbars). Temperature and pressure calibrations are crudely checked at sea by comparing values with those from deep sea reversing thermometers, but the stability of the sensors is good enough (about 2 m°C for temperature and about .5 dbar for pressure over the 4-month period between the pre- and post-cruise calibrations) that the CTD sensors are more accurate than the reversing thermometers. The conductivity and oxygen sensors are not as stable relative to water sample values, and are more accurately calibrated using water samples collected in Niskin bottles mounted on a rosette sampler. Immediately prior to tripping the sampler, CTD data are recorded on magnetic tape and values of P, T, C, OXC, and OXT are read from the deck unit. These values are then used to compare with water sample values.

2.2.1 Conductivity Calibrations

Water samples were analyzed for salinity using a Guildline Autosol Salinometer. Standard seawater batch P90 was used for the first leg (TW2-87-OC) casts 1 to 67, P87 for casts 68 to 77, and P93 for casts 78-109. On the second leg (TW3-87-OC) standard seawater batch P93 was used for all casts. In comparing TEW data to historical deep salinity data, the differences in standard seawater batches has been noted (Mantyla, 1987), but no corrections have been applied to Autosol salinities to account for the differences between batches.

Salinometer performance was monitored by comparison of duplicate salinity samples drawn from the same Niskin bottle throughout the cruise. For 185 duplicate comparisons during the

TEW cruise, the mean salinity difference was 0.0003 PSU and the standard deviation was 0.00065 PSU.

The *in situ* water sample conductivity was calculated using the CTD temperature and pressure values and the water sample salinity using algorithms based on the 1978 Practical Salinity Scale (Lewis and Fofonoff, 1979). A least squares linear fit was calculated between CTD and water sample conductivity. When the difference between CTD and water sample conductivity was greater than 2.8 times the standard deviation of the calculated fit, that calibration point is thrown out. Another fit was then calculated without these points and the process was iterated until no calibration pairs were discarded. If breaks appeared between casts in the CTD/water sample differences, separate coefficients were calculated for each group. The root-mean-square (RMS) difference between the bottle salinities and the corrected CTD salinities was 0.0017 for 1528 comparisons on the first leg throughout the water column. Deep potential temperature-salinity curves were used as an additional check on the calibration data. The CTD calibration appeared to change slowly and groups of casts were calibrated using the same least squares fit to conductivity.

2.2.2 Oxygen Calibrations

Dissolved oxygen concentrations from water samples were determined at sea using an automated version (Friederich *et al.*, 1984) of the Chesapeake Bay version (Carpenter, 1965) of the Winkler titration. Comparison of 32 duplicate samples which were analyzed during the cruise show a mean difference of 0.018 ml/l with a standard deviation of 0.047 ml/l.

The Beckman dissolved oxygen sensor mounted on the CTD is calibrated with water sample data as discussed in Owens and Millard (1985). Because of the differences in upcast and downcast readings of the oxygen probe, it is necessary to calibrate water samples not with the CTD readings immediately prior to taking the sample, but with the CTD readings at the same place on the downcast. This will result in the correct calibration to apply to the downcast trace. Platinum thermometer does not show the significant upcast/downcast hysteresis of the pressure sensor so the downtrace values are located by matching the temperature from the upcast to the same temperature on the downcast. Downcast values of P, C, OXC, OXT and mean scan number are located for each water sample by matching the upcast CTD temperature to the same temperature on the downcast 1 dbar averaged file. The time rate of change of OXC is calculated at this point using a linear fit of OXC to mean scan number over the surrounding 15 points. The six parameters which are applied to the CTD values are calculated by varying these parameters to minimize the standard deviation of water sample and CTD oxygen differences. As with the conductivity calibration, data points with differences greater than 2.8 times the standard deviation of the calculated fit are discarded and the parameters are recalculated. This process is iterated until no calibration pairs are discarded. The RMS difference between the bottle data and the calibrated CTD oxygen data was 0.075 ml/l for 305 comparisons.

2.3 Final Processing

The raw CTD data tapes created by *LOGGER* are transferred to the VAXcluster computer system at PMEL. The CTD data is processed from this point to completion on the PMEL VAXcluster, which consists of two VAX785s, tape drives, hard disk drives and various printers and plotters. The sequence of processing programs and their functions is described below.

2.3.1 *DPDN (Fall Rate Calculations)*

Because of rough seas during the summer 1987 TEW expedition, this program was introduced into the CTD data processing scheme to eliminate anomalous excursions in the raw temperature and conductivity data associated with reversals in the direction of movement of the CTD package, as well as when the package decelerates due to the ship rolling and pitching. A fall rate is computed between samples approximately 2 seconds apart and is recorded along with the original unprocessed data.

2.3.2 *DLGAV (Editing and Averaging)*

Program *DLGAV* reads the disk files written by *DPDN*, edits the data, corrects for the time-constant mismatch between temperature and conductivity sensors and averages the data from 1 dbar intervals, writing out one value for each 1 dbar block. After reading in a buffer of data *DLGAV* applies appropriate transfer functions to convert the data to engineering units and checks for obviously bad values. If a value falls outside preset windows it is flagged as bad. The windows used on this data set were -12 to 6500 dbar for pressure, -2 to 33°C for temperature, 24 to 68 mmho/cm for conductivity, -1 to 3 micro-amperes for OXC, -2 to 40°C for OXT and -10 to 10 dbar/60 scans for fall rate. The first two data scans after the user-supplied starting record number which pass this window test are considered the first two good scans. Subsequent data points are then edited by calculating the difference between the scan under consideration and the previous scan. If this difference is greater than a certain preset value (.5 for P, .07 for T, .1 for C, .2 for OXC, 2 for OXT and 1 for dP/dn) it is tentatively rejected. The difference between the next scan and the last good scan is then calculated. If this value exceeds twice the maximum allowable difference between scans, it too is considered bad. If five scans in a row fail in this manner it is assumed that there is a gap in the data record and all scans are retained as good. If the next, third, fourth or fifth scan has a value close enough to the last good scan, then the scan in question is flagged as bad and is rejected.

After editing, a filter is applied to the conductivity data to account for the response time difference between the conductivity sensor and the slower platinum thermometer. This filter was developed using the techniques discussed in Horne and Toole (1980). The conductivity is slowed down as follows:

$$C(n) = (1-A) CM(n) + A C(n-1)$$

where C is the lagged conductivity, CM is the measured conductivity, n is scan number, and A is a constant which has been determined to best match temperature and conductivity ($A = 0.87$).

The data is then checked for fall rate variations. We have found that the CTD/rosette package seems to entrap water and drag that water down with it as it falls downward. If the fall rate reverses or slows due to the ship's roll, the CTD sensors measure water that has been contaminated by the CTD/rosette package. The contamination appears to extend below the level at which the CTD started its reversal or slowdown. So when the CTD starts downward again through this water, it is necessary to disregard data collected for a small interval past the pressure at which the reversal started. The lagged conductivity and measured values of temperature, oxygen and oxygen temperature are accepted and placed in 1 dbar bins unless the fall rate calculated by DPDN falls below a user specified minimum allowable rate. Data are then rejected until the CTD is once again moving downward past the pressure at which it slowed below the minimum fall rate plus a user specified pressure interval to account for further contamination. A minimum allowable fall rate of 1 dbar/60 scans (i.e., 0.4 dbars/sec) was applied to data collected with the NBIS CTD with a 25 hz sampling rate. Data use was not resumed until 1.5 dbar deeper than the pressure at which data use was stopped. The fall rate limits and the additional pressure interval were derived empirically from the observations.

2.3.3 EPCTD (Final Processing)

Program EPCTD reads in the 1 dbar averaged file produced by DLAGAV, removes single point spikes, omits selected bad data scans, fills the cast to the surface, fills gaps in data left by DLAGAV editing, incorporates meteorological header information (Tables 3–7) and writes out files in EPIC (Equatorial Pacific Information Collection) format (Soreide and Hayes, 1988).

After the cast data are read, the time rate of change of oxygen current is computed to be used later in calculating dissolved oxygen content. This is calculated by making a least squares linear fit to OXC and time (as calculated from mean scan number) over the surrounding 15 points. The first seven and last seven values are filled with zeroes. The data is then passed through a subroutine which removes single point data spikes. A data scan is removed if the differences between the value of the data scans on either side of the point in question and the value of the point itself are both greater than a predetermined gradient and have opposite signs. Maximum allowable gradients are .05, .025, .2, .5, and .05 for S, T, OXC, OXT and dOXC/dt respectively above 200 dbar and .01, .01, .1, .3 and .01 below 200 dbar. The data array is then filled to obtain one value for each 1 dbar pressure interval. When the uppermost pressure is not equal to 0 dbar, surface values of T, S, OXC, OXT and dOXC/dt are filled with the values associated with the shallowest pressure for which values do exist (provided this pressure is less than 10 dbar). Data points are linearly interpolated to fill the gaps resulting in an even 1 dbar pressure spacing of the final data array. Conductivity (inverted from S, T and P) is recalculated and potential temperature, σ_t , σ_θ , dynamic height and oxygen are calculated. All parameters are

calculated using subroutines supplied in Fofonoff and Millard (1974) except oxygen (Owens and Millard, 1985). Finally, the EPIC formatted file is written out starting with a header including position, meteorological and other pertinent information followed by scans containing pressure, temperature, salinity, σ_t , oxygen, dynamic height, conductivity, potential temperature, σ_θ , OXC, OXT and dOXC/dt.

3. DATA PRESENTATION

The final calibrated data in EPIC format were used to produce the plots and listings which follow. All plots were produced using Plot Plus Scientific Graphics System developed by Donald Denbo. Tables 3-7 contain the abbreviations and units used in the CTD/O₂ data summary listings. Plots and summary listings of the CTD/O₂ data follow for each cast, separated by cruise. Hydrographic bottle data at discrete depths are listed in the final section.

4. PERSONNEL

Personnel participating in the collection of the data at sea include:

Hayes, Stan	NOAA/PMEL	Chief Scientist
Lindstrom, Eric	NOAA/PMEL	CTD
Mangum, Linda	NOAA/PMEL	CTD
Lynch, Jean	NOAA/PMEL	CTD
Stapp, Michael	NOAA/PMEL	CTD
Kessler, William	UW	CTD
Coho, Carol	NOAA/PMEL	CTD
Burrage, Derek	AIMS	ADCP, CTD
Kogelschatz, Jane	Duke	Nutrients, Productivity
Barber, Donald	Duke	Nutrients, Productivity
Friedrich, Gernot	Bigelow Lab.	Oxygen, Nutrients
Nelson, Nanette	UW	Oxygen
Wisegarver, David	NOAA/PMEL	Freon
Ondrusek, Mike	Texas A&M	Photosyn. Pigments/Helium
Lloyd, Kevin	Penn. State	

5. ACKNOWLEDGMENTS

The assistance of the officers and crew of the NOAA ship *Oceanographer* is gratefully acknowledged. Chief Survey Technician Raymond Buendia did an excellent job analyzing the salinity samples throughout the cruise. The survey department on the *Oceanographer* (Cathy Barry, Sharon Bell and Jeff Benson) provided valuable assistance in operations during the cruise.

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FIGURES AND TABLES

TEW Station Locations June - July 1987

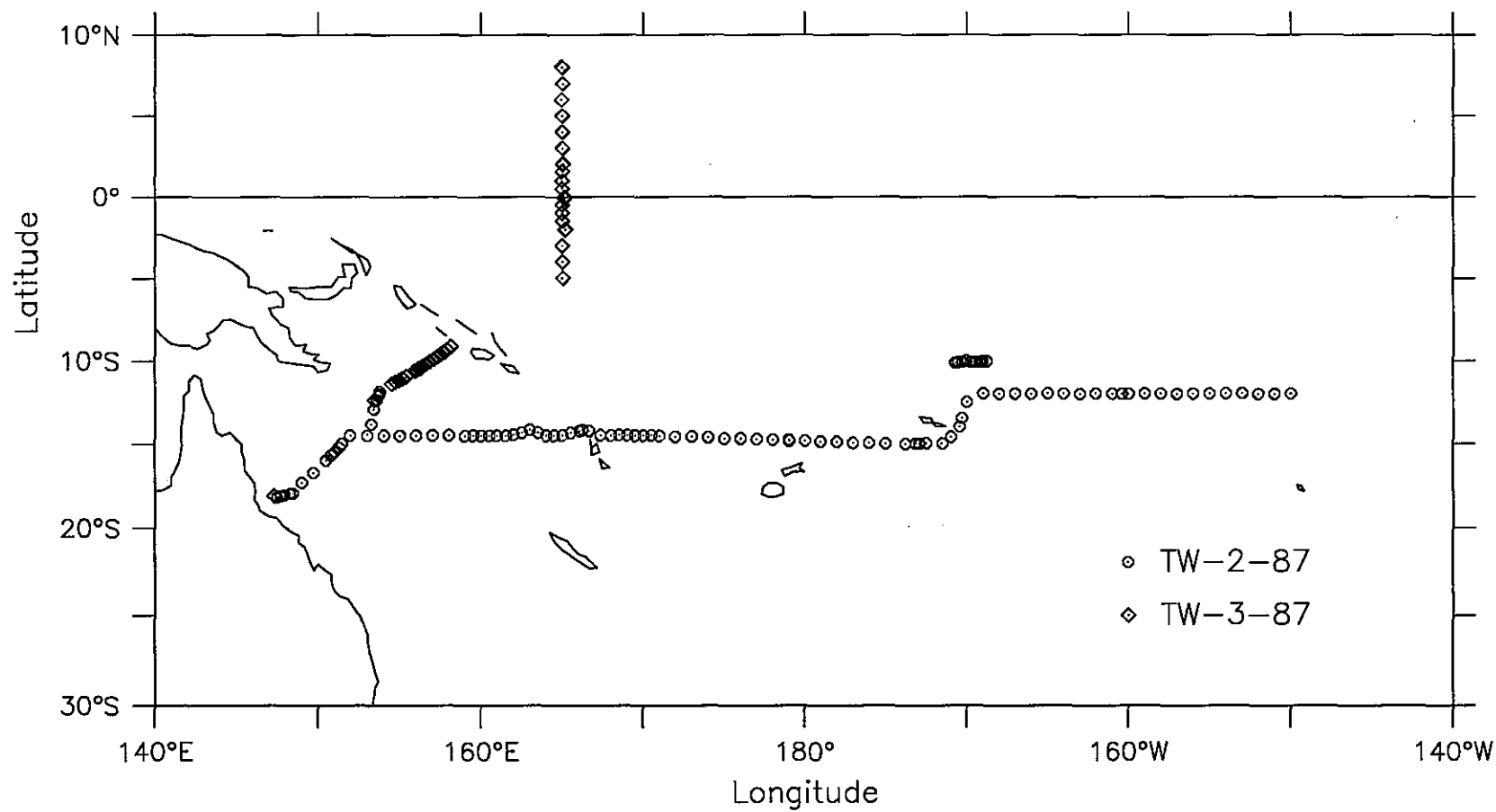


Figure 1. Location of stations occupied during TEW-2 and TEW-3.

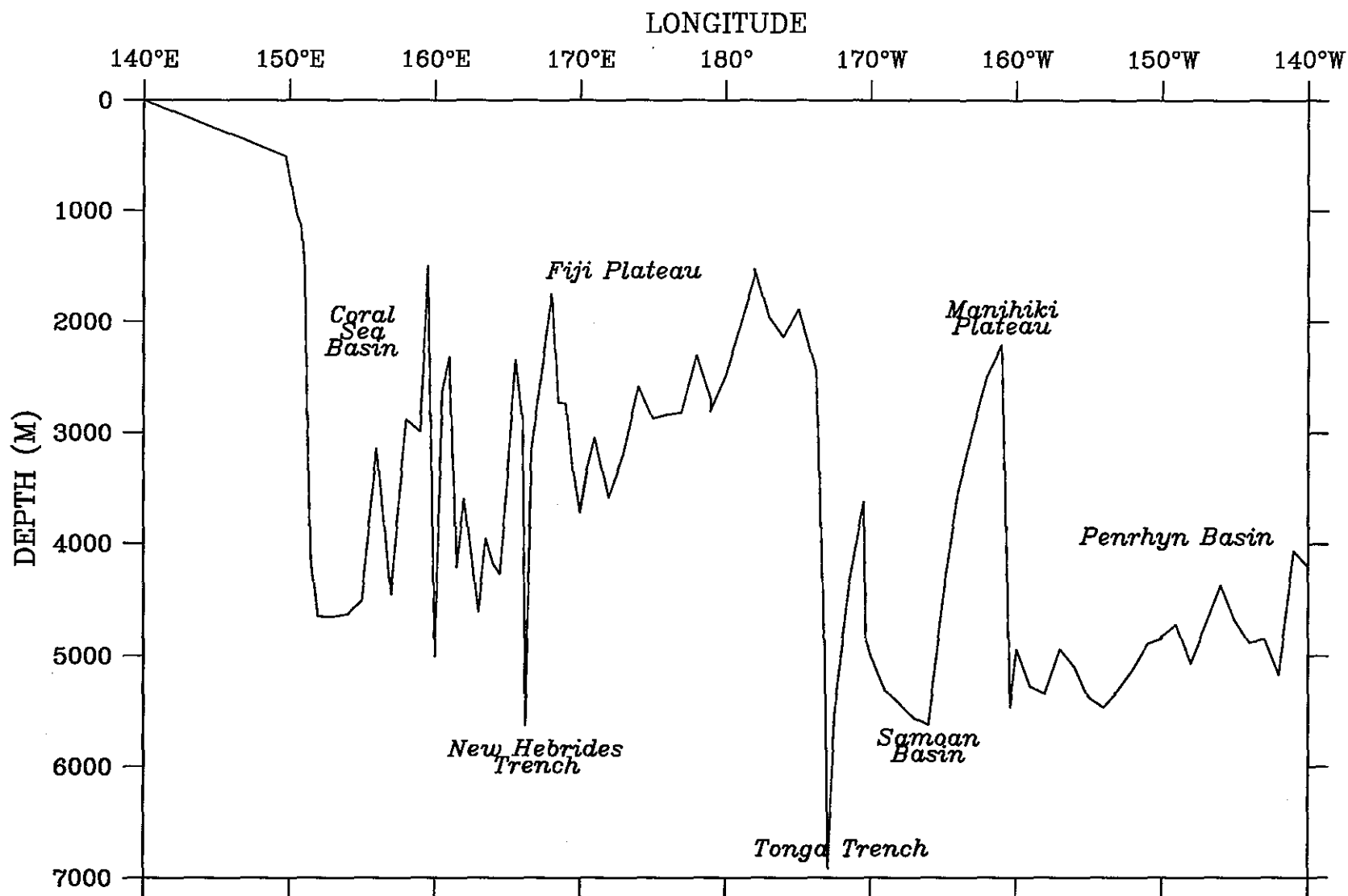


Figure 2. Bathymetry along the TEW-2 east-west cruise track from 150°W into the coast of Australia. The short sections across the Samoan Passage and into the Louisiade Archipelago are not shown.

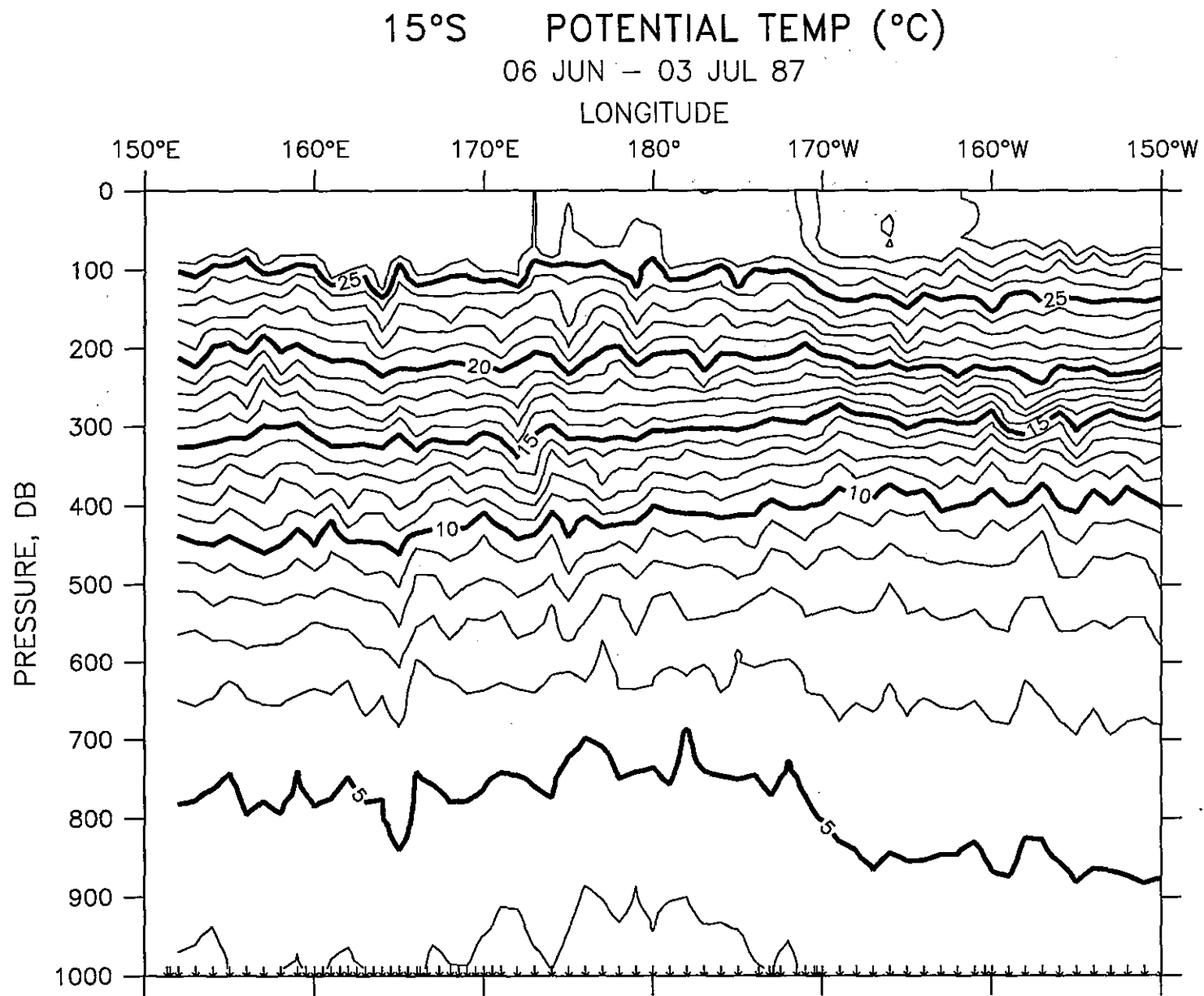


Figure 3. Upper ocean potential temperature (°C) section along the TEW-2 east-west cruise track at approximately 15°S.

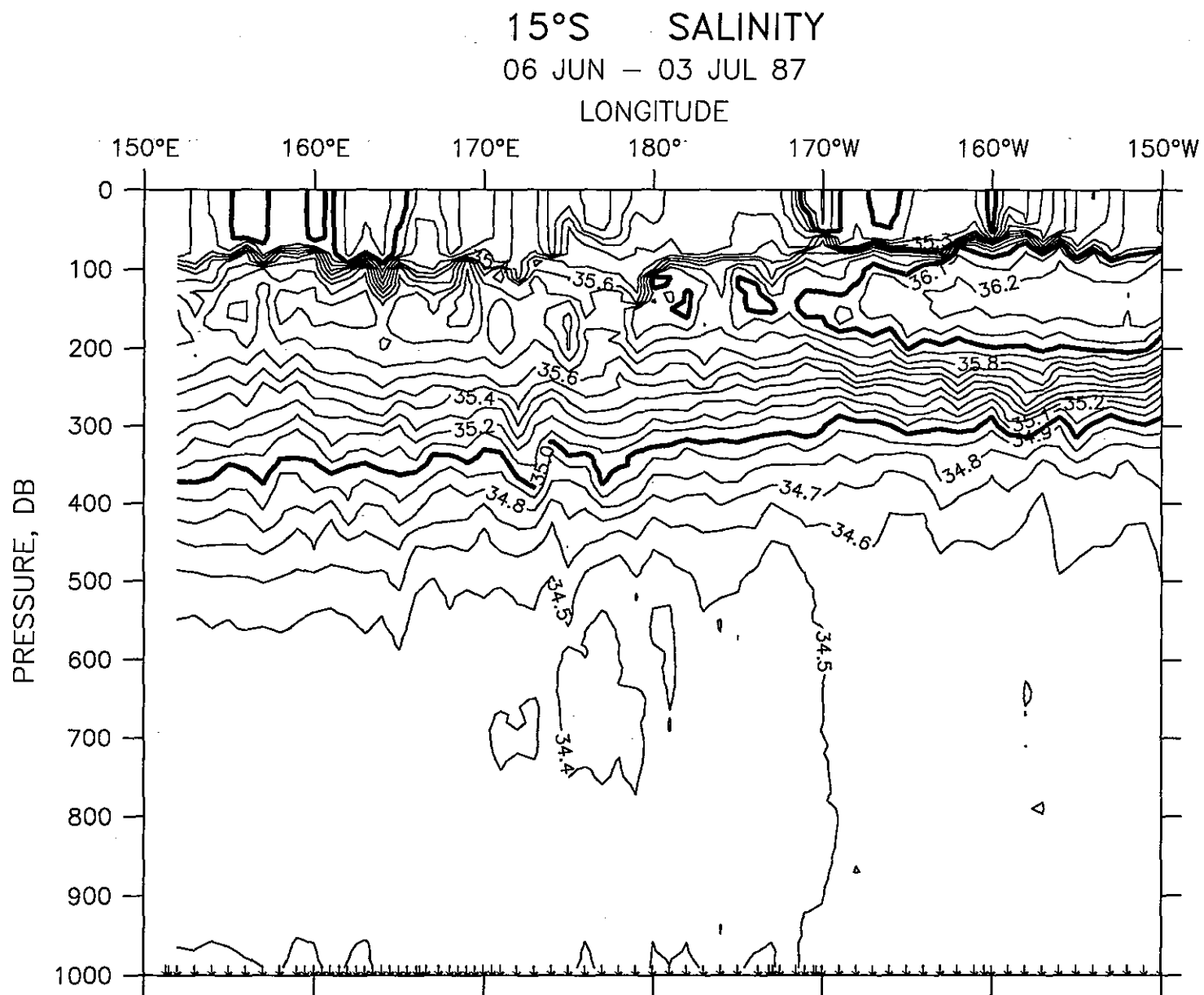


Figure 4. Upper ocean salinity (psu) section along the TEW-2 east-west cruise track at approximately 15°S.

15

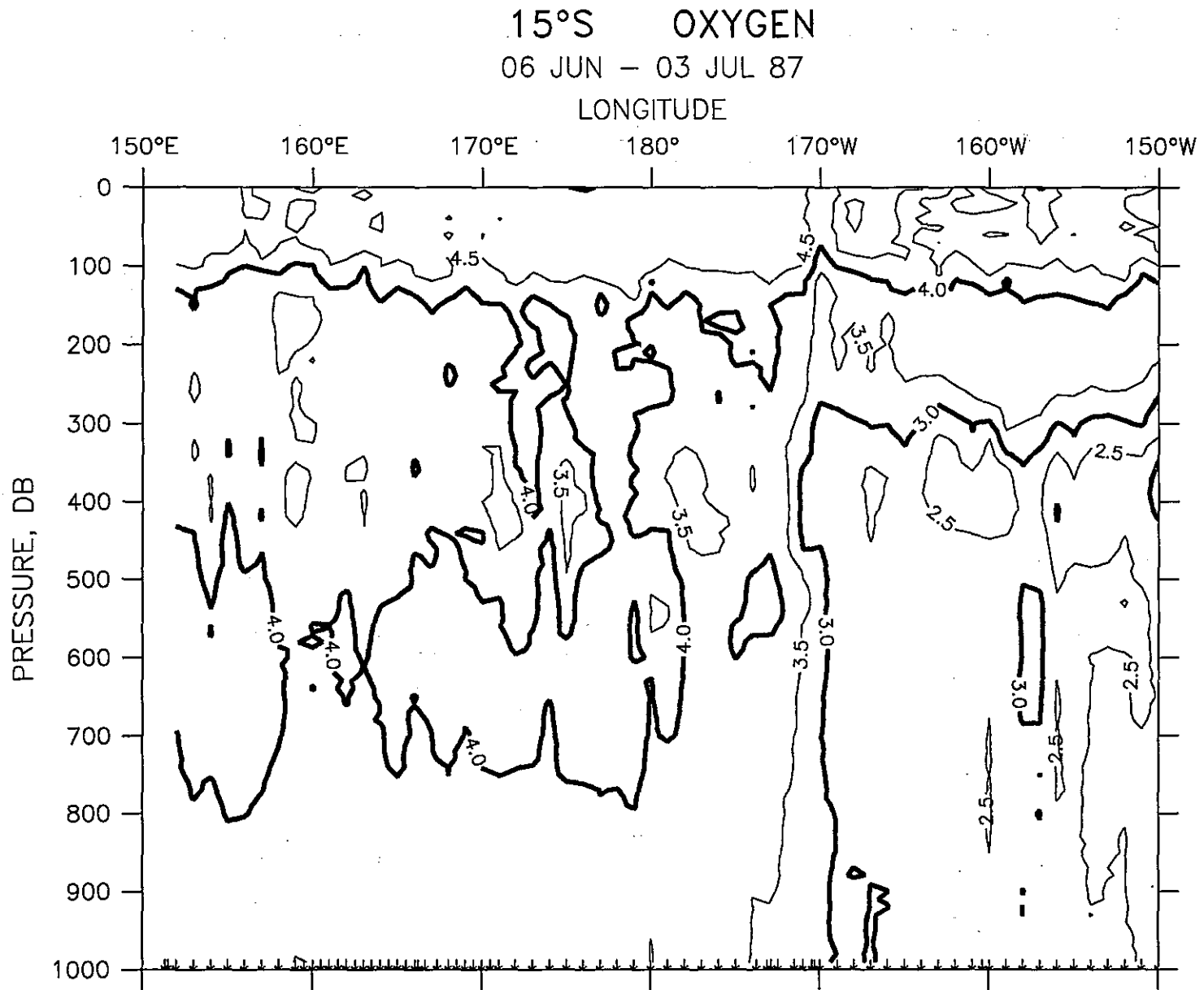


Figure 5. Upper ocean dissolved oxygen (ml/l) section along the TEW-2 east-west cruise track at approximately 15°S.

15°S SIGMA-THETA

06 JUN - 03 JUL 87

LONGITUDE

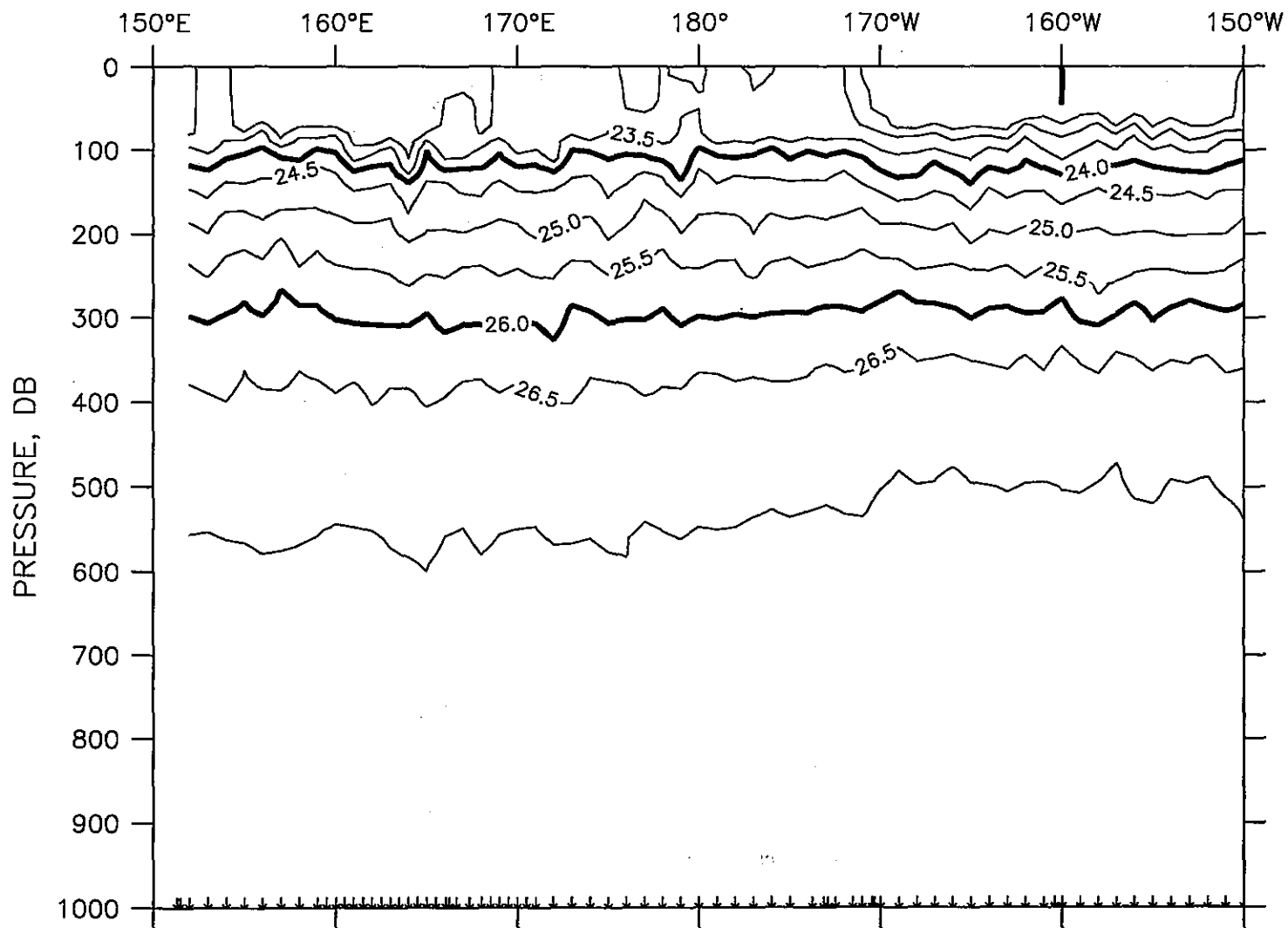


Figure 6. Upper ocean potential density (kg/m^3) sections along the TEW-2 east-west cruise track at approximately 15°S.

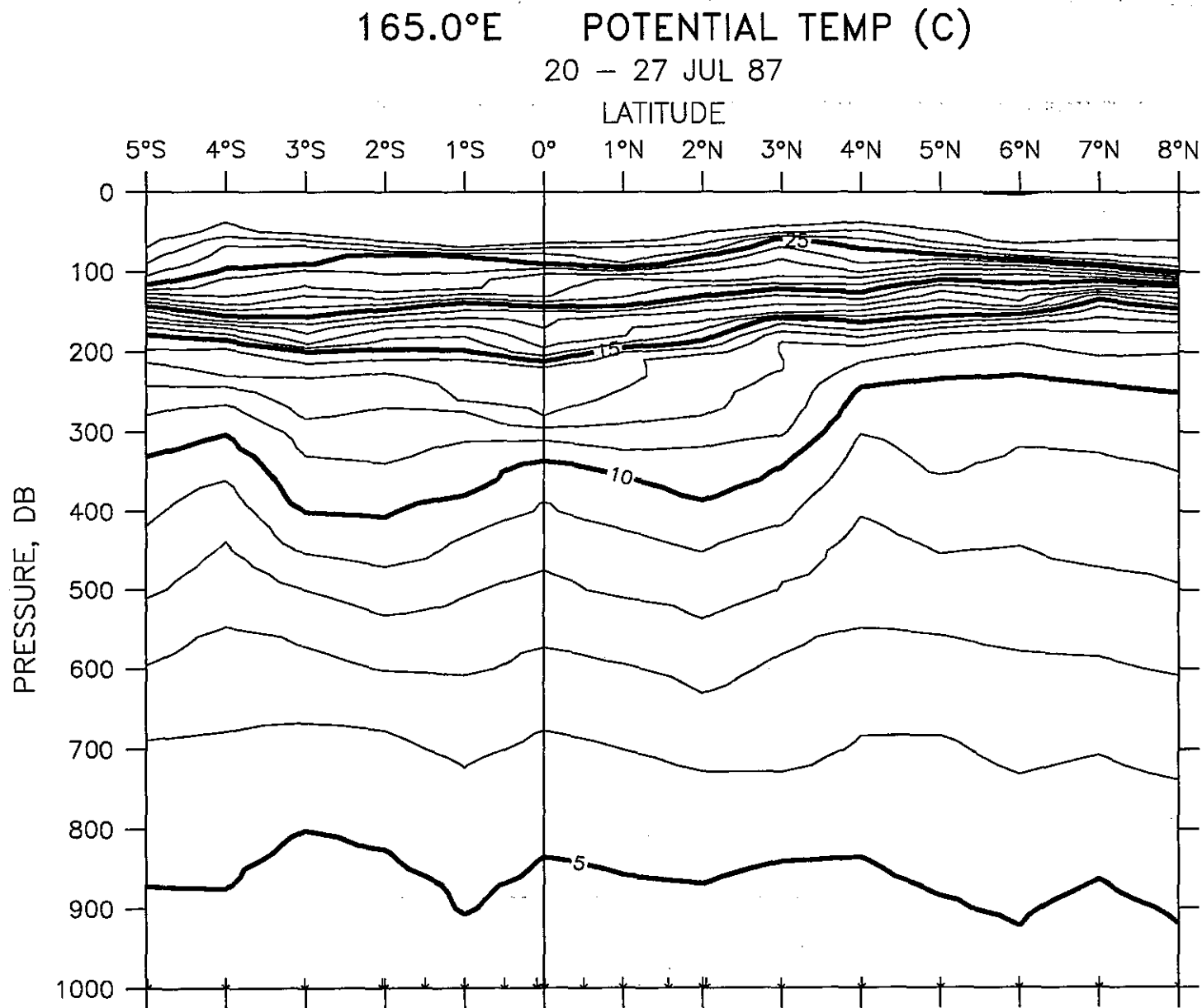


Figure 7. Upper ocean potential temperature (°C) along the TEW-3 equatorial transect at 165°E.

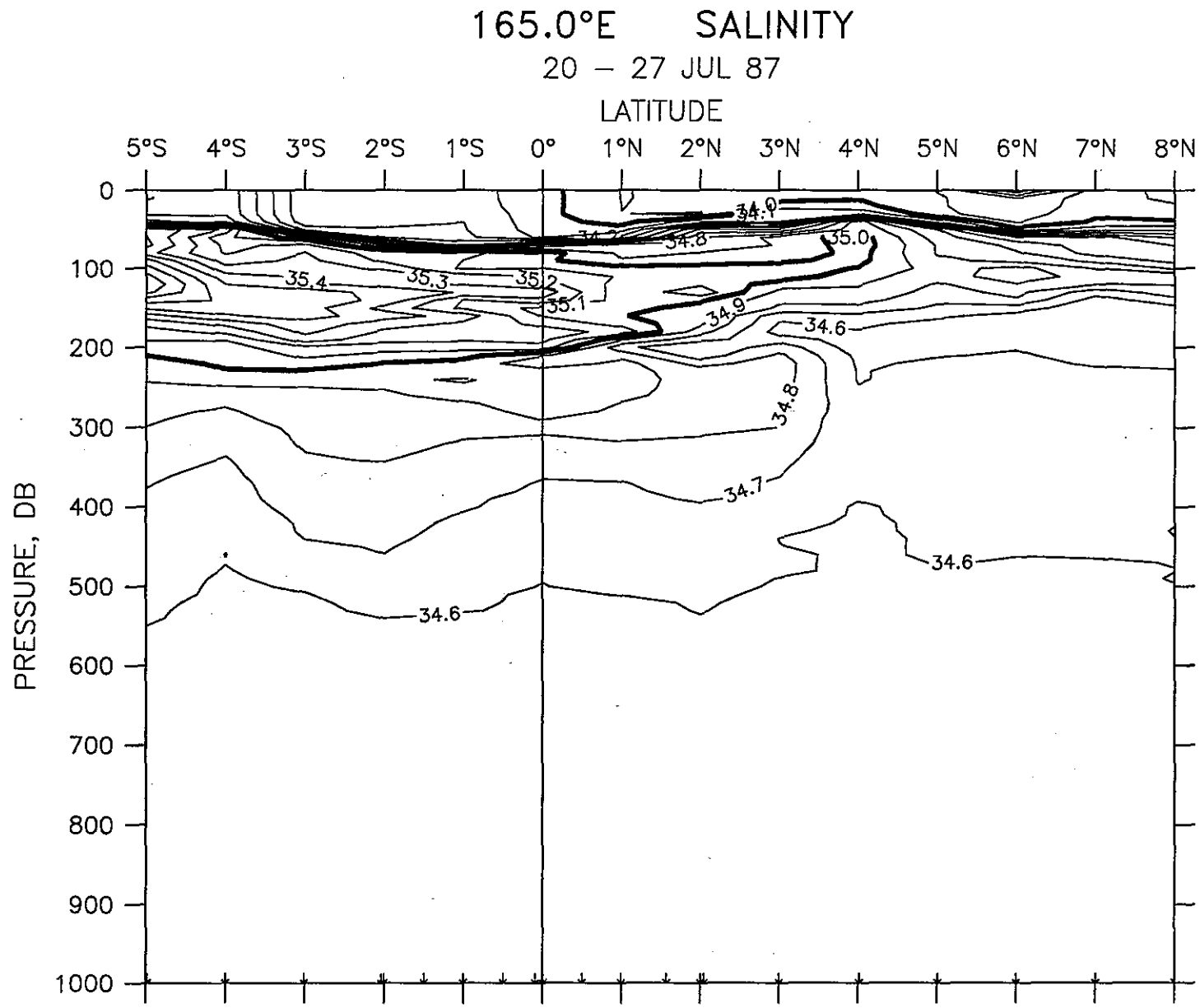


Figure 8. Upper ocean salinity (psu) along the TEW-3 equatorial transect at 165°E.

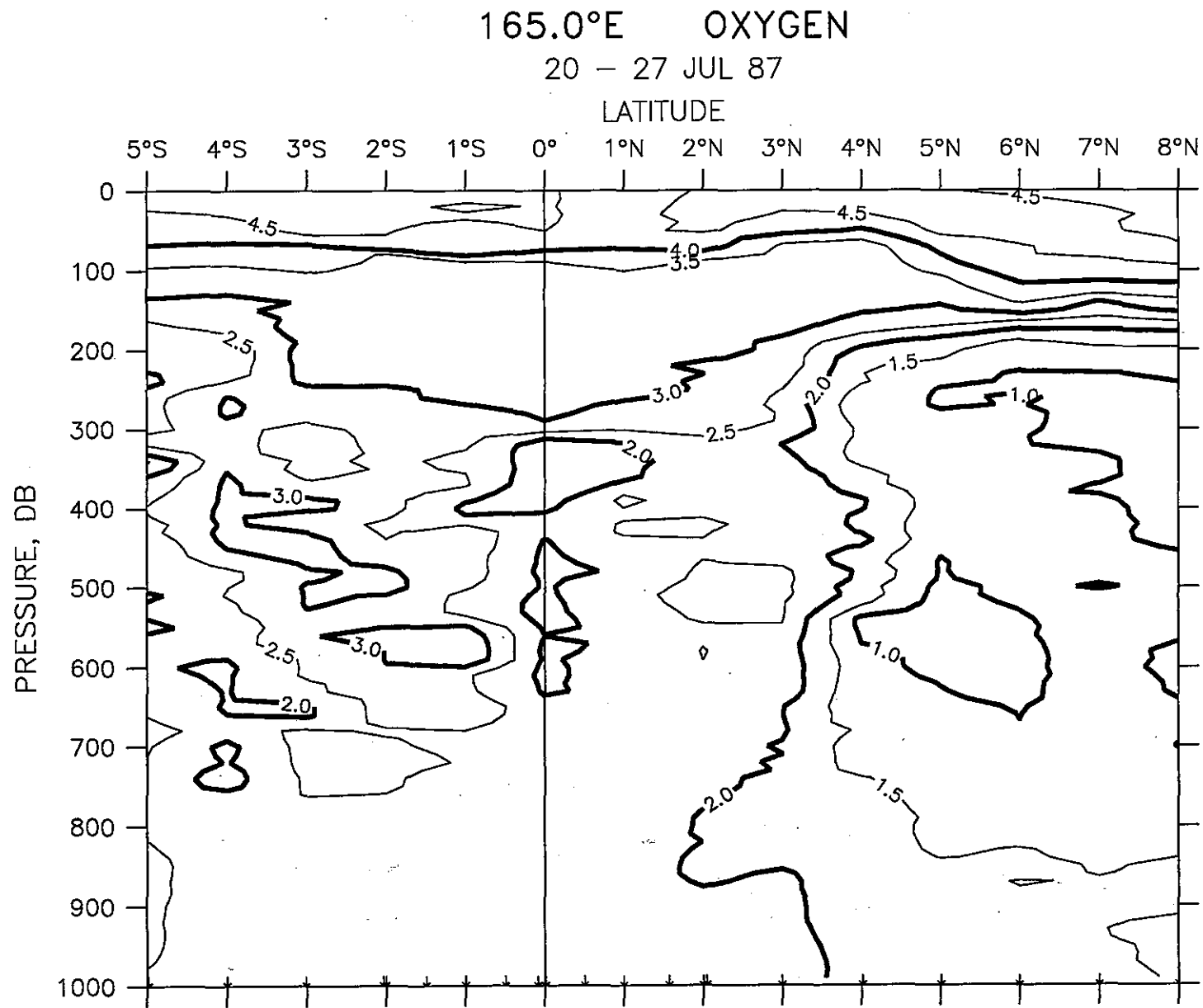


Figure 9. Upper ocean dissolved oxygen (ml/l) section along the TEW-3 equatorial transect at 165°E.

165.0°E SIGMA-THETA

20 - 27 JUL 87

LATITUDE

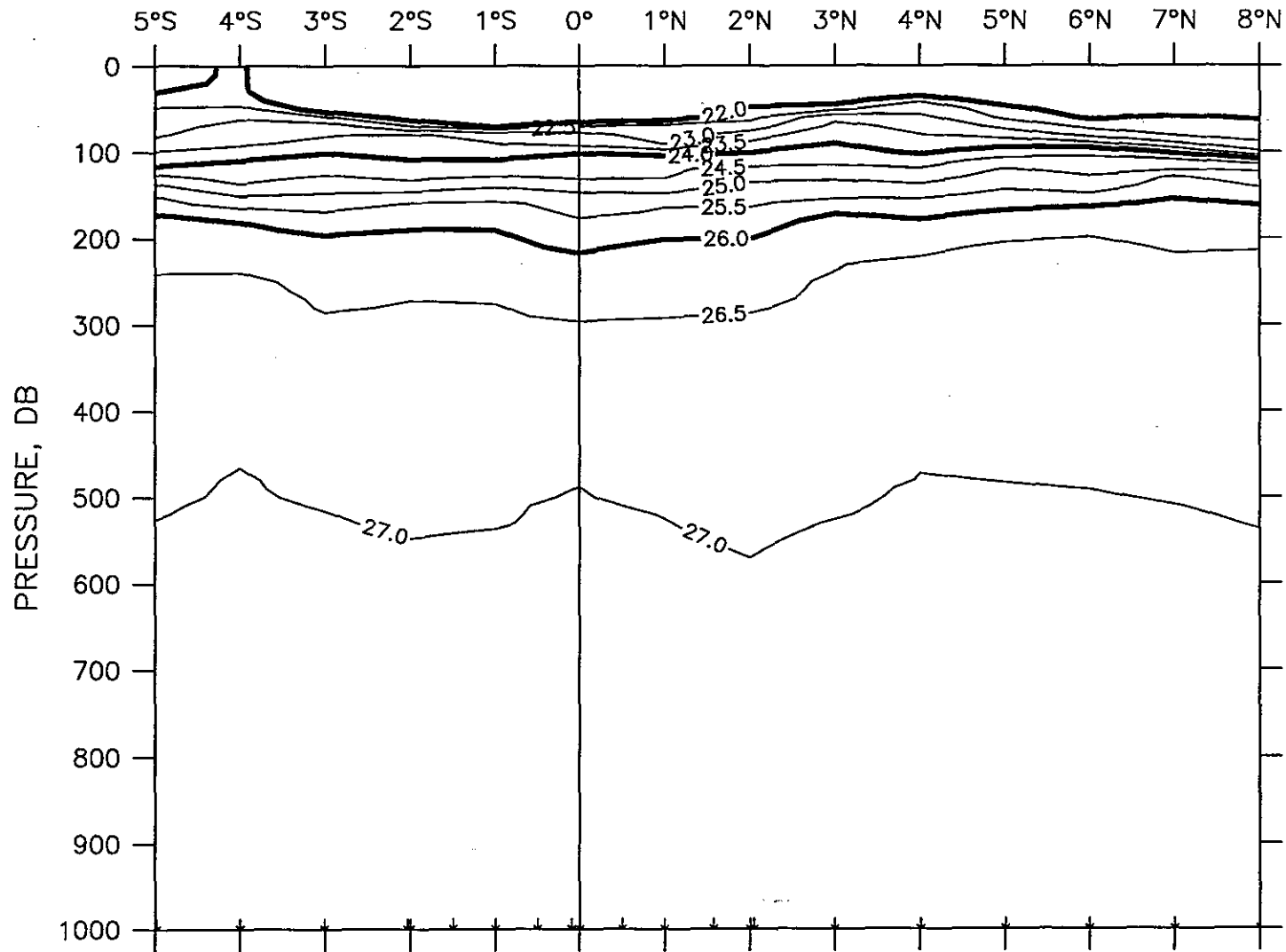


Figure 10. Upper ocean potential density (kg/m^3) section along the TEW-3 equatorial transect at 165°E.

TABLE 1. TW2-87-OC CTD casts.

Cast #	Latitude	Longitude	Date	Time	Water Depth	Cast PMAX
1	12 0.0 S	149 59.9 W	6 JUN 87	2340	4817	500
2	11 59.7 S	149 59.8 W	7 JUN 87	500	4840	4805
3	12 0.1 S	151 0.1 W	7 JUN 87	1224	4893	4831
4	12 0.1 S	151 59.4 W	7 JUN 87	2025	5125	5051
5	11 59.0 S	152 58.7 W	8 JUN 87	500	5309	5385
6	11 59.0 S	153 59.4 W	8 JUN 87	1324	5464	5540
7	11 59.5 S	154 59.8 W	8 JUN 87	2140	5377	5427
8	11 59.7 S	156 0.6 W	9 JUN 87	552	5093	5178
9	12 0.3 S	157 0.2 W	9 JUN 87	1311	4940	4852
10	12 0.7 S	158 0.5 W	9 JUN 87	2111	5340	5252
11	12 0.0 S	158 59.9 W	9 JUN 87	503	5278	5322
12	12 1.1 S	159 59.0 W	10 JUN 87	1302	4940	4934
13	12 0.8 S	160 24.1 W	10 JUN 87	1947	5460	5492
14	12 0.4 S	160 59.8 W	11 JUN 87	220	2211	2235
15	11 59.2 S	162 1.0 W	11 JUN 87	926	2495	2492
16	12 0.6 S	162 59.9 W	11 JUN 87	1620	2991	2918
17	12 0.5 S	164 0.1 W	11 JUN 87	2310	3535	3535
18	11 59.1 S	164 59.6 W	12 JUN 87	915	4443	4423
19	12 0.7 S	166 0.3 W	12 JUN 87	1900	5619	5689
20	11 59.6 S	167 0.3 W	13 JUN 87	257	5558	5618
21	11 59.7 S	167 59.3 W	13 JUN 87	1147	5430	5478
22	11 59.9 S	168 58.7 W	13 JUN 87	2238	5309	5302
23	10 4.4 S	168 44.7 W	14 JUN 87	1121	4060	4128
24	10 3.9 S	169 0.0 W	14 JUN 87	1740	4632	4694
25	10 4.7 S	169 11.1 W	15 JUN 87	218	4829	4868
26	10 5.4 S	169 30.5 W	15 JUN 87	948	5248	5321
27	10 5.4 S	169 44.4 W	15 JUN 87	1624	3780	3810
28	10 0.0 S	169 59.7 W	15 JUN 87	2130	5170	5227
29	10 5.2 S	170 15.1 W	16 JUN 87	223	5053	5126
30	10 6.1 S	170 31.3 W	16 JUN 87	759	4770	4805
31	10 7.1 S	170 41.3 W	16 JUN 87	1229	4700	4769
32	12 30.2 S	170 0.0 W	17 JUN 87	253	5001	5072
33	13 28.9 S	170 18.8 W	17 JUN 87	1116	4866	4895
34	14 0.5 S	170 28.0 W	17 JUN 87	1802	3626	3947
35	14 36.5 S	171 0.0 W	19 JUN 87	2	3993	3992
36	15 0.2 S	171 30.8 W	19 JUN 87	706	4375	4441
37	14 58.6 S	172 28.1 W	19 JUN 87	1432	5516	5605
38	15 0.5 S	172 53.7 W	19 JUN 87	2128	6916	6200
39	15 0.0 S	173 7.8 W	20 JUN 87	355	5063	5003
40	15 1.0 S	173 45.0 W	20 JUN 87	950	2445	2332
41	14 59.9 S	174 59.2 W	20 JUN 87	1708	1883	1961
42	14 57.5 S	176 0.4 W	21 JUN 87	17	2136	2148
43	14 57.6 S	176 59.9 W	21 JUN 87	630	1957	1949
44	14 53.6 S	178 0.5 W	21 JUN 87	1208	1525	1485
45	14 54.2 S	177 59.9 W	21 JUN 87	1356	1590	302
46	14 51.9 S	179 0.5 W	21 JUN 87	1928	2047	2003
47	14 50.3 S	179 59.3 E	22 JUN 87	115	2495	2476

TABLE 1. (Continued).

Cast #	Latitude	Longitude	Date	Time	Water Depth	Cast PMAX
48	14 46.5 S	178 59.2 E	22 JUN 87	729	2805	2734
49	14 50.4 S	179 0.5 E	22 JUN 87	928	2700	300
50	14 45.8 S	177 58.9 E	22 JUN 87	1444	2306	2280
51	14 44.0 S	176 59.4 E	22 JUN 87	2120	2816	2773
52	14 41.6 S	175 59.5 E	23 JUN 87	323	2836	2800
53	14 41.1 S	175 59.9 E	23 JUN 87	532	2836	304
54	14 40.9 S	175 0.1 E	23 JUN 87	1102	2871	2782
55	14 38.0 S	173 59.9 E	23 JUN 87	1726	2585	2527
56	14 35.5 S	172 59.0 E	23 JUN 87	2355	3187	3157
57	14 34.7 S	172 59.8 E	24 JUN 87	218	3187	303
58	14 34.9 S	171 57.6 E	24 JUN 87	801	3584	3541
59	14 33.0 S	170 59.6 E	24 JUN 87	1408	3045	3026
60	14 29.7 S	170 29.7 E	24 JUN 87	1809	3323	1005
61	14 30.4 S	169 59.9 E	24 JUN 87	2222	3723	3682
62	14 30.3 S	169 59.7 E	25 JUN 87	36	3723	302
63	14 30.4 S	169 29.8 E	25 JUN 87	441	3346	1006
64	14 30.2 S	169 0.1 E	25 JUN 87	841	2735	2675
65	14 29.9 S	168 30.0 E	25 JUN 87	1320	2726	1012
66	14 32.0 S	168 0.3 E	25 JUN 87	1605	1750	1723
67	14 30.3 S	167 21.1 E	25 JUN 87	2029	2450	1005
68	14 14.5 S	166 38.2 E	26 JUN 87	228	3142	3211
69	14 11.3 S	166 13.5 E	26 JUN 87	810	5625	5747
70	14 14.6 S	166 3.1 E	26 JUN 87	1247	2892	2978
71	14 21.6 S	165 30.3 E	26 JUN 87	1730	2342	2369
72	14 29.9 S	165 0.0 E	26 JUN 87	2218	3380	3442
73	14 30.3 S	164 29.7 E	27 JUN 87	318	4266	1015
74	14 30.4 S	163 59.8 E	27 JUN 87	750	4174	4230
75	14 21.0 S	163 28.5 E	27 JUN 87	1222	3953	1012
76	14 11.1 S	163 0.0 E	27 JUN 87	1702	4604	4597
77	14 20.6 S	162 29.9 E	27 JUN 87	2148	4083	1000
78	14 28.4 S	161 59.7 E	28 JUN 87	200	3600	3632
79	14 32.1 S	161 30.7 E	28 JUN 87	625	4205	1008
80	14 32.4 S	160 58.2 E	28 JUN 87	957	2315	2386
81	14 30.7 S	160 29.9 E	28 JUN 87	1347	2630	1015
82	14 30.6 S	160 0.8 E	28 JUN 87	1835	5005	5030
83	14 30.5 S	159 30.1 E	28 JUN 87	2330	1496	1502
84	14 31.2 S	159 0.0 E	29 JUN 87	358	2991	3015
85	14 30.5 S	158 0.0 E	29 JUN 87	1203	2884	2900
86	14 30.0 S	157 0.2 E	29 JUN 87	1841	4450	4516
87	14 31.0 S	155 59.1 E	30 JUN 87	138	3142	3150
88	14 31.0 S	154 59.7 E	30 JUN 87	840	4506	4294
89	14 30.2 S	154 0.1 E	30 JUN 87	1540	4627	4670
90	12 55.1 S	153 24.3 E	1 JUL 87	227	4430	4475
91	12 21.0 S	153 36.0 E	1 JUL 87	1101	3924	3967
92	12 8.2 S	153 42.4 E	1 JUL 87	1451	3765	3719
93	12 0.1 S	153 45.4 E	1 JUL 87	1808	2241	2172
94	11 51.1 S	153 47.2 E	1 JUL 87	2238	495	478

TABLE 1. (Continued).

Cast #	Latitude	Longitude	Date	Time	Water Depth	Cast PMAX
95	13 50.2 S	153 15.6 E	2 JUL 87	904	4620	4673
96	14 29.7 S	153 0.4 E	2 JUL 87	1548	4650	4697
97	14 30.9 S	151 58.8 E	3 JUL 87	8	4647	470
98	14 59.7 S	151 29.3 E	3 JUL 87	949	4140	4142
99	15 12.8 S	151 19.2 E	3 JUL 87	1355	3398	3452
100	15 29.1 S	151 2.2 E	3 JUL 87	1809	1525	1507
101	15 42.0 S	150 48.3 E	3 JUL 87	2101	1139	1136
102	16 0.1 S	150 29.7 E	4 JUL 87	20	1031	1016
103	16 43.7 S	149 43.5 E	4 JUL 87	605	507	49
104	17 17.8 S	149 0.2 E	4 JUL 87	1119	885	867
105	17 55.4 S	148 27.1 E	4 JUL 87	2217	1030	1014
106	17 58.1 S	148 16.2 E	5 JUL 87	49	1093	1075
107	18 2.2 S	147 56.4 E	5 JUL 87	340	1154	1147
108	18 5.2 S	147 42.8 E	5 JUL 87	622	1095	1083
109	18 9.1 S	147 28.7 E	5 JUL 87	837	869	831

TABLE 2. TW3-87-OC CTD casts.

Cast #	Latitude	Longitude	Date	Time	Water Depth	Cast PMAX
1	18 03.6 S	147 18.0 E	13 JUL 87	1208	0513	476
2	12 22.1 S	153 26.8 E	14 JUL 87	2226	3945	2992
3	11 23.2 S	154 31.9 E	15 JUL 87	0657	2226	2262
4	11 15.8 S	154 45.9 E	12 JUL 87	1037	1749	1731
5	11 10.2 S	154 59.1 E	15 JUL 87	1340	1211	1179
6	11 03.3 S	155 12.6 E	15 JUL 87	1631	0688	656
7	10 56.5 S	155 26.0 E	15 JUL 87	1958	1484	1475
8	10 36.8 S	155 57.6 E	16 JUL 87	0409	3820	3888
9	10 33.4 S	156 04.7 E	16 JUL 87	0816	3854	3883
10	10 28.9 S	156 12.4 E	16 JUL 87	1222	3687	3592
11	10 25.0 S	156 19.8 E	16 JUL 87	1633	3081	3227
12	10 20.8 S	156 26.4 E	16 JUL 87	2056	3450	3646
13	10 11.1 S	156 39.7 E	17 JUL 87	0117	3127	3245
14	10 03.6 S	156 52.6 E	17 JUL 87	0541	3149	3193
15	09 54.7 S	157 07.0 E	17 JUL 87	1021	4251	4335
16	09 45.7 S	157 19.9 E	17 JUL 87	1505	3517	3622
17	09 37.7 S	157 32.7 E	17 JUL 87	1930	4006	3955
18	09 28.2 S	157 44.8 E	18 JUL 87	0215	3657	3842
19	09 20.7 S	157 56.7 E	18 JUL 87	0644	3595	3679
20	09 09.6 S	158 10.7 E	18 JUL 87	1045	1250	1233
21	04 59.1 S	165 00.7 E	20 JUL 87	1024	2400	1294
22	04 00.0 S	164 59.2 E	20 JUL 87	1656	3150	1290
23	03 00.6 S	164 59.8 E	20 JUL 87	2248	4116	1292
24	02 00.2 S	165 12.1 E	21 JUL 87	1457	4469	4413
25	02 02.3 S	165 10.2 E	21 JUL 87	1858	4472	1292
26	01 29.9 S	165 00.9 E	22 JUL 87	0002	4440	1292
27	01 00.0 S	165 00.4 E	22 JUL 87	0913	4428	1296
28	00 29.9 S	165 00.2 E	22 JUL 87	1338	4432	1293
29	00 05.4 S	165 10.0 E	22 JUL 87	2015	4362	1292
30	00 00.6 N	165 08.2 E	23 JUL 87	1436	4349	4345
31	00 30.1 N	165 01.1 E	23 JUL 87	2332	4387	1294
32	00 59.9 N	165 00.5 E	24 JUL 87	0823	4320	1292
33	01 34.3 N	164 59.8 E	24 JUL 87	1259	4266	1293
34	02 00.2 N	165 01.5 E	25 JUL 87	0650	4153	4094
35	02 02.7 N	165 02.7 E	25 JUL 87	1022	4100	1291
36	02 59.9 N	164 59.9 E	25 JUL 87	1641	4260	1292
37	04 00.8 N	165 00.4 E	25 JUL 87	2317	4509	1294
38	05 00.4 N	165 00.3 E	26 JUL 87	0641	4779	1295
39	05 59.7 N	164 58.4 E	26 JUL 87	1249	5010	1295
40	07 00.2 N	165 00.2 E	26 JUL 87	1824	5160	1221
41	08 00.3 N	164 59.6 E	26 JUL 87	2344	5202	1288
42	08 03.1 N	164 56.5 E	27 JUL 87	0338	5214	5095

TABLE 3. Weather condition code used to describe each set of CTD measurements.

Code	Weather Condition
0	Clear
1	Partly Cloudy
2	Continuous layer of cloud
3	Sandstorm, dust storm, or blowing snow
4	Fog, thick dust or haze
5	Drizzle
6	Rain
7	Snow, or rain and snow mixed
8	Showers
9	Thunderstorms

TABLE 4. Sea state code used to describe each set of CTD measurements.

Code	Height (meters)	Description
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 5. Visibility code used to describe each set of CTD measurements.

Code	Visibility
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 6. Cloud type.

Code	Cloud Types
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 7. Cloud amount.

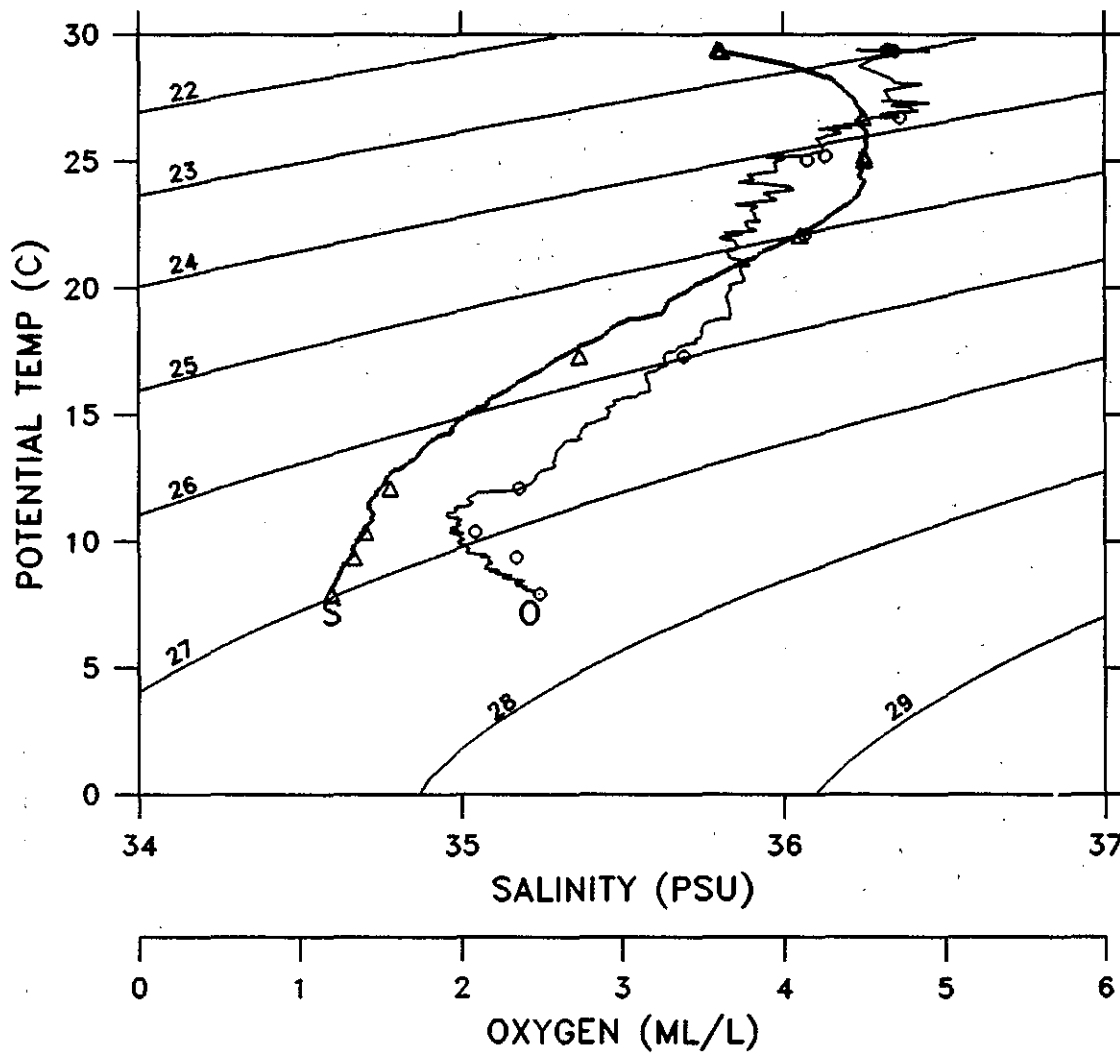
Code	Cloud Amount
0	0
1	1/10 or less but not zero
2	2/10-3/10
3	4/10
4	5/10
5	6/10
6	7/10-8/10
7	9/10
8	10/10
9	Sky obscured or not determined

DATA

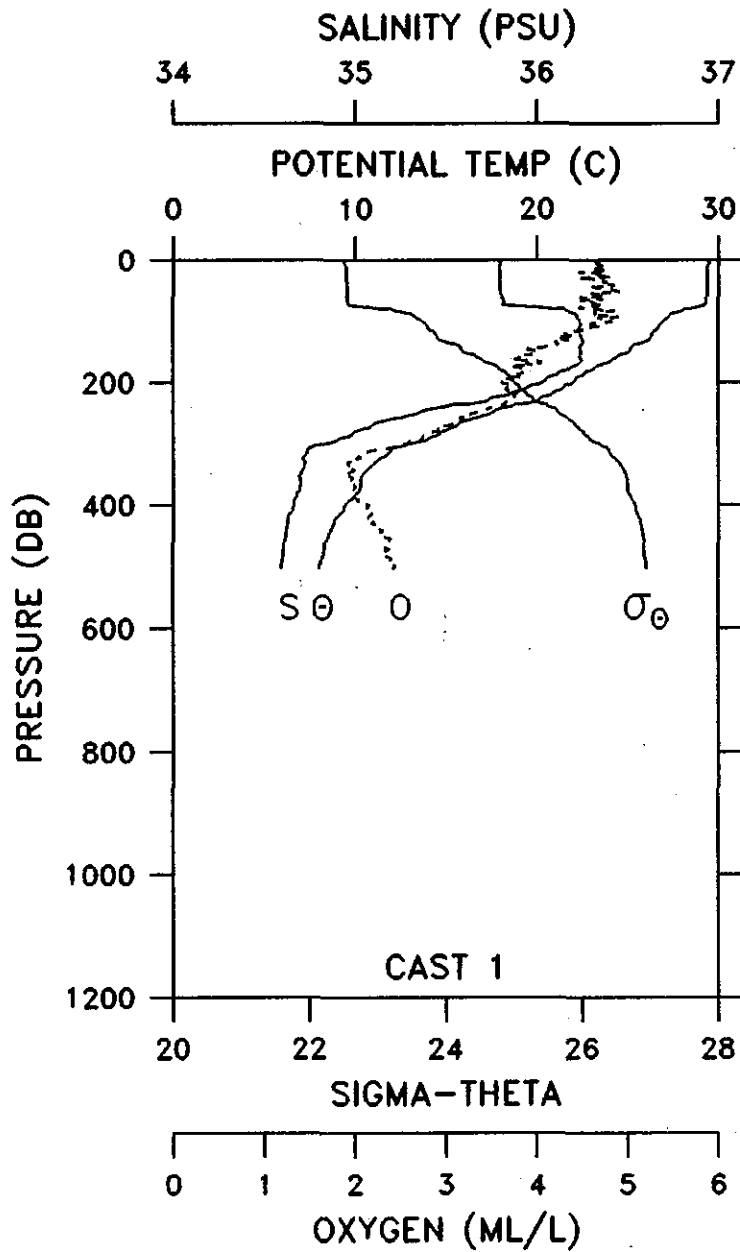


TW2-87-OC
6 June–5 July 1987
NBIS CTD/O₂ Data Summary

CAST TW2-87-0C -001 DATE 06 JUN 87 TIME 2340 GMT
LAT 12 00.0S LONG 149 59.9W

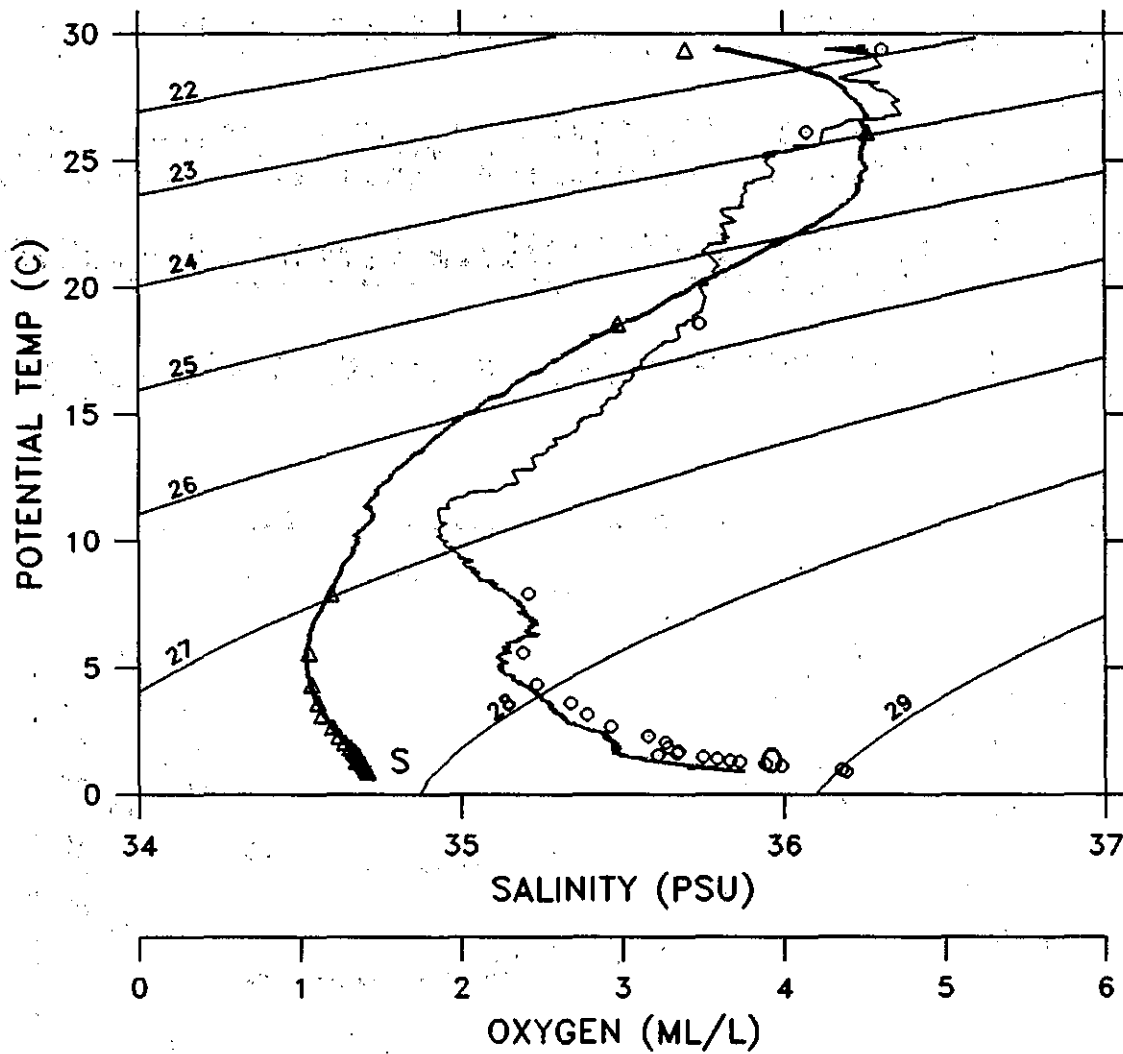


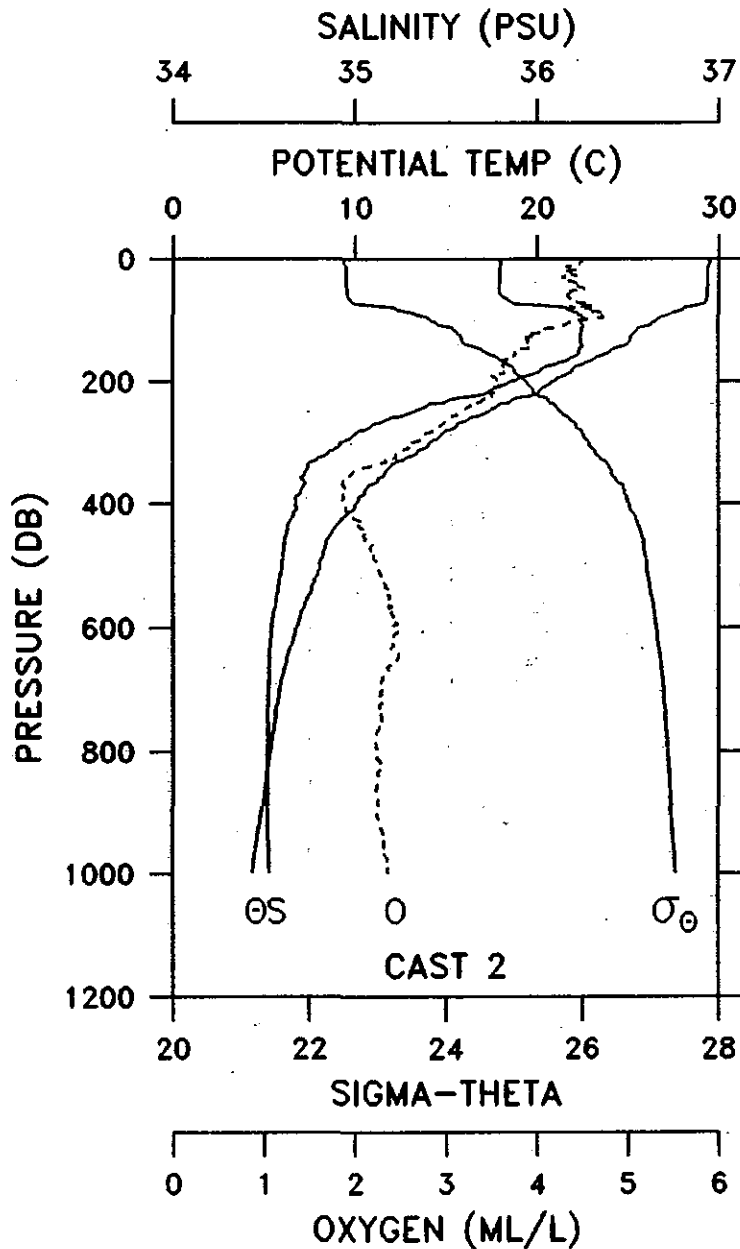
CAST TW2-87-0C -001 DATE 06 JUN 87 TIME 2340 GMT
 LAT 12 00.0S LONG 149 59.9W WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 109 T SPD 08 KT VISIBILITY 9
 CLOUD 8 AMOUNT 5 DRY 29.8 WET 26.4 DEPTH 4817 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.457	35.795	4.66	22.509	0.000
10	29.391	35.796	4.67	22.532	0.053
20	29.376	35.796	4.46	22.538	0.106
30	29.368	35.796	4.56	22.541	0.159
40	29.364	35.796	4.77	22.542	0.212
50	29.358	35.798	4.86	22.545	0.266
60	29.356	35.811	4.56	22.556	0.319
70	29.321	35.821	4.64	22.575	0.372
80	28.228	36.147	4.67	23.185	0.423
90	27.369	36.222	4.65	23.522	0.468
100	26.986	36.238	4.84	23.657	0.512
110	26.718	36.238	4.57	23.743	0.554
120	26.372	36.240	4.34	23.854	0.596
130	26.244	36.253	4.28	23.904	0.636
140	25.244	36.241	4.15	24.207	0.675
150	25.102	36.243	4.01	24.251	0.713
160	24.287	36.240	3.82	24.497	0.749
170	23.695	36.231	3.89	24.666	0.783
180	23.016	36.164	3.81	24.814	0.816
190	22.289	36.075	3.82	24.955	0.847
200	21.972	36.031	3.61	25.011	0.878
250	17.489	35.344	3.33	25.661	1.015
300	12.961	34.825	2.59	26.266	1.121
350	10.458	34.703	1.99	26.641	1.203
400	9.438	34.663	2.15	26.784	1.274
450	8.528	34.616	2.29	26.892	1.338
500	8.060	34.596	2.45	26.948	1.399
504	8.033	34.595	2.42	26.951	1.404

CAST TW2-87-OC -002 DATE 07 JUN 87 TIME 0500 GMT
LAT 11 59.7S LONG 149 59.8W

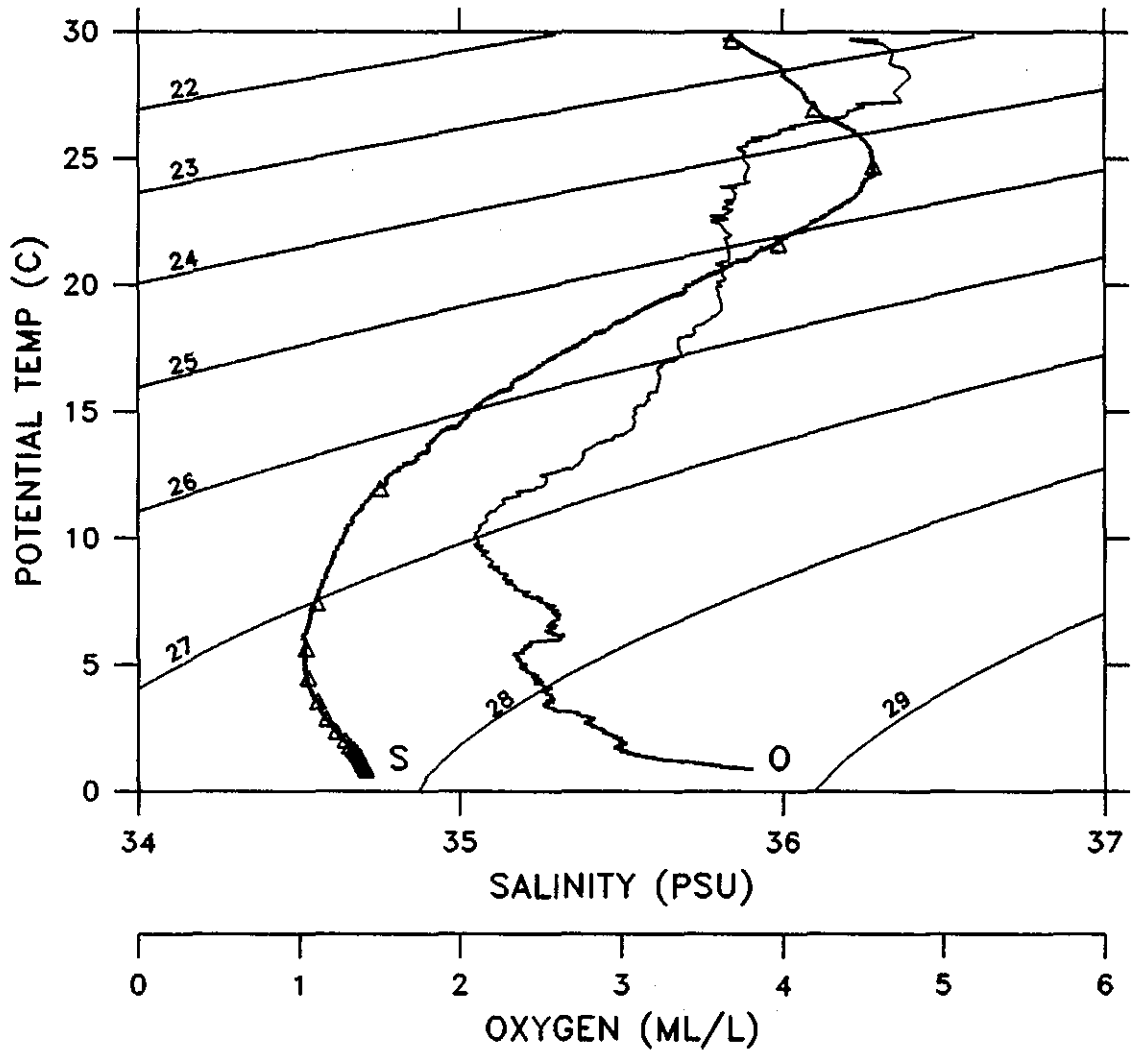




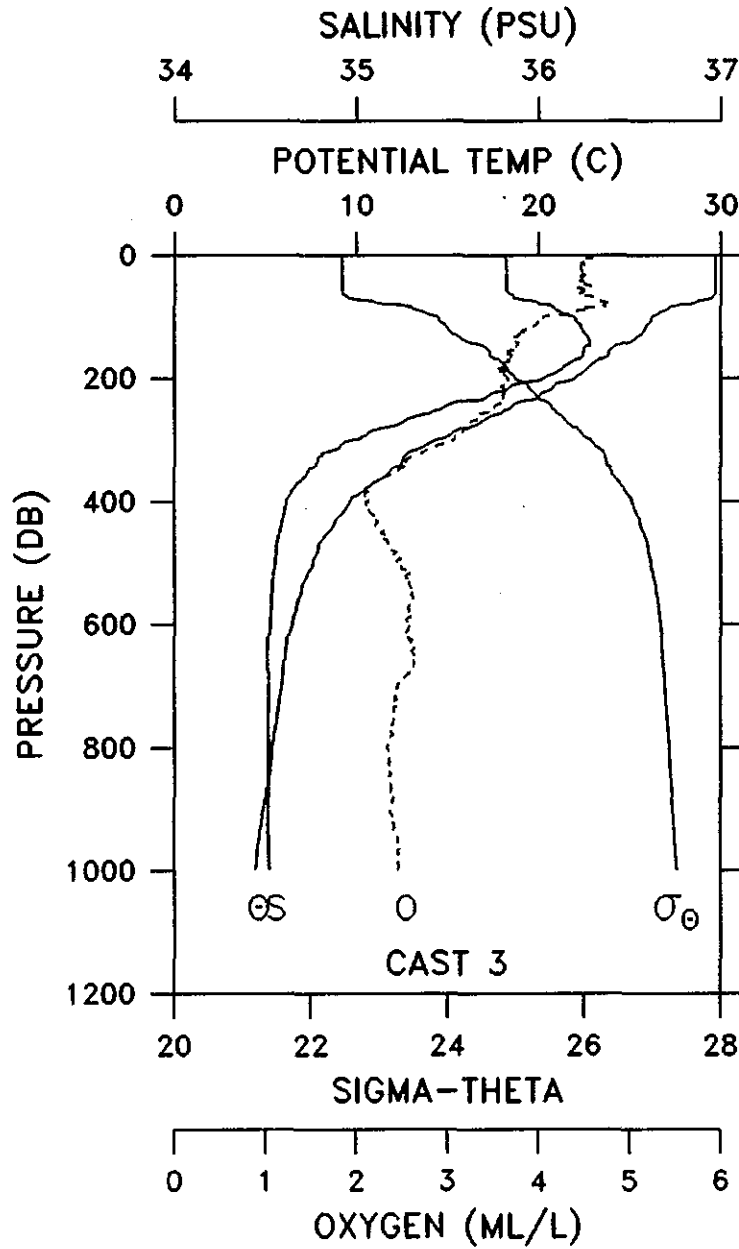
CAST TW2-87-0C -002 DATE 07 JUN 87 TIME 0500 GMT
 LAT 11 59.7S LONG 149 59.8W WEATHER 1 SEA STATE 2
 BAROMETER 09 WIND DIR 110 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 28.8 WET 26.2 DEPTH 4840 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.495	35.800	4.50	22.500	0.000
10	29.434	35.804	4.47	22.524	0.053
20	29.383	35.794	4.33	22.534	0.106
30	29.373	35.793	4.31	22.537	0.160
40	29.362	35.793	4.44	22.540	0.213
50	29.352	35.792	4.53	22.543	0.266
60	29.345	35.805	4.32	22.555	0.319
70	29.275	35.853	4.41	22.614	0.372
80	28.091	36.160	4.49	23.240	0.422
90	27.316	36.226	4.70	23.541	0.467
100	26.600	36.246	4.47	23.787	0.510
110	26.016	36.257	4.25	23.979	0.551
120	25.384	36.243	4.07	24.165	0.589
130	25.171	36.242	3.86	24.230	0.627
140	24.939	36.250	3.90	24.307	0.664
150	24.103	36.231	3.76	24.545	0.699
160	23.318	36.197	3.74	24.751	0.733
170	22.640	36.120	3.70	24.889	0.765
180	21.963	36.024	3.67	25.008	0.795
190	21.514	35.950	3.52	25.077	0.825
200	20.857	35.856	3.60	25.186	0.854
250	17.267	35.314	3.14	25.692	0.986
300	14.095	34.921	2.62	26.107	1.094
350	11.679	34.725	1.98	26.437	1.185
400	10.042	34.675	1.88	26.692	1.262
450	8.694	34.625	2.10	26.873	1.329
500	8.084	34.598	2.26	26.946	1.390
550	7.422	34.569	2.40	27.020	1.448
600	6.796	34.544	2.45	27.087	1.503
650	6.259	34.532	2.47	27.150	1.555
700	5.866	34.526	2.31	27.195	1.604
750	5.609	34.521	2.30	27.223	1.651
800	5.337	34.521	2.24	27.256	1.697
900	4.876	34.521	2.26	27.310	1.786
1000	4.367	34.531	2.36	27.374	1.869
1500	2.963	34.583	2.65	27.556	2.222
2000	2.050	34.638	2.94	27.678	2.503
2500	1.675	34.669	2.95	27.731	2.746
3000	1.484	34.680	3.04	27.755	2.977
3500	1.314	34.689	3.22	27.774	3.204
4000	1.121	34.697	3.43	27.793	3.424
4500	0.985	34.703	3.63	27.807	3.639
4796	0.899	34.707	3.72	27.816	3.765

CAST TW2-87-OC -003 DATE 07 JUN 87 TIME 1224 GMT
LAT 12 00.1S LONG 151 00.1W

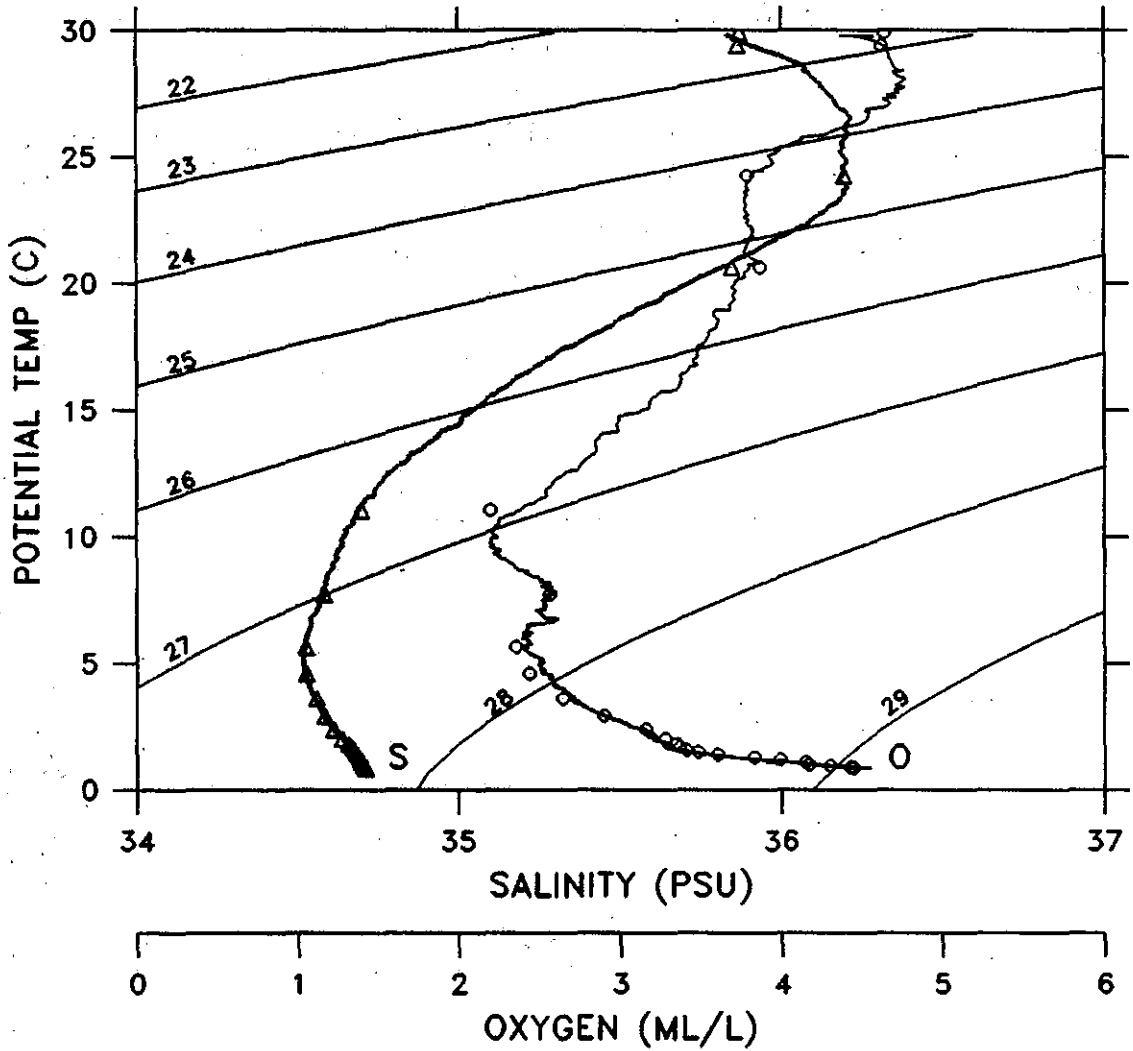


CAST TW2-87-OC -003 DATE 07 JUN 87 TIME 1224 GMT
 LAT 12 00.1S LONG 151 00.1W WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 080 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 28.0 WET 26.0 DEPTH 4893 M

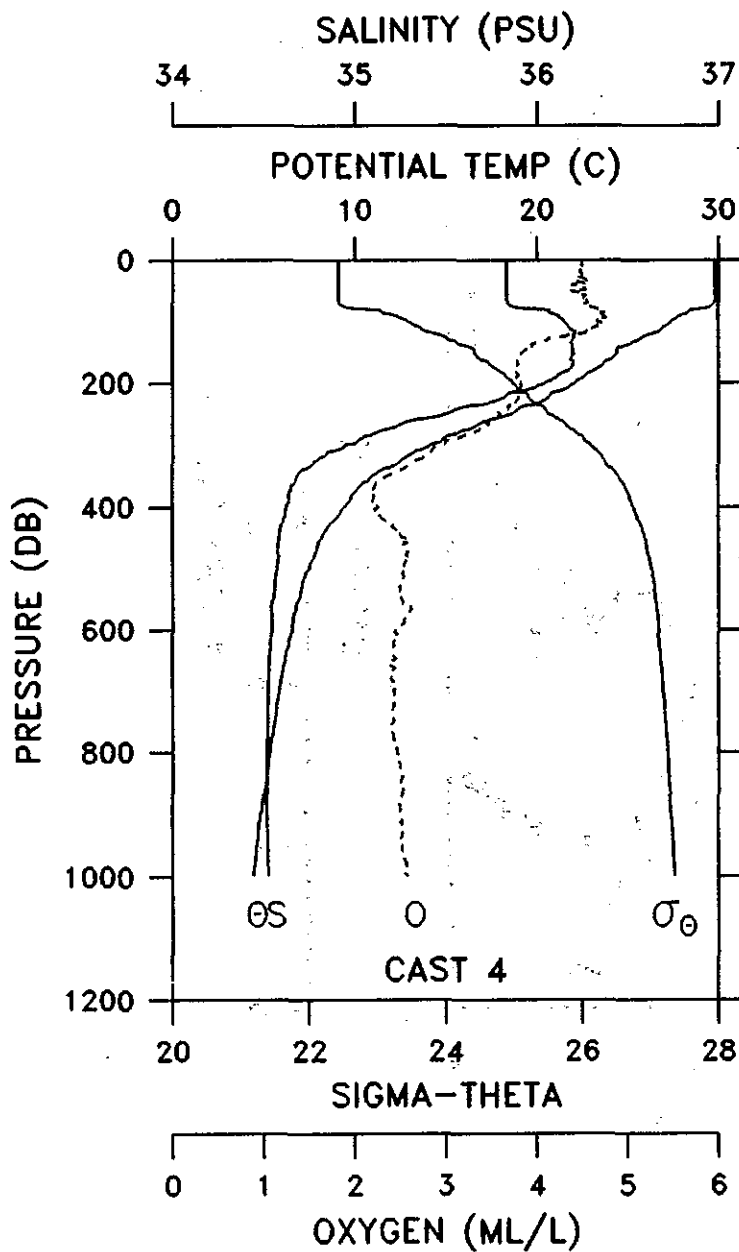


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.682	35.814	4.59	22.448	0.000
10	29.688	35.823	4.50	22.452	0.054
20	29.687	35.823	4.47	22.453	0.108
30	29.687	35.823	4.44	22.453	0.162
40	29.686	35.823	4.47	22.453	0.216
50	29.684	35.822	4.58	22.453	0.270
60	29.691	35.830	4.50	22.457	0.324
70	29.427	35.878	4.65	22.582	0.377
80	27.963	36.032	4.75	23.185	0.427
90	26.951	36.106	4.46	23.569	0.472
100	26.267	36.194	4.05	23.853	0.514
110	26.130	36.215	3.98	23.912	0.555
120	25.854	36.242	3.92	24.018	0.595
130	25.588	36.265	3.77	24.119	0.634
140	25.081	36.282	3.75	24.287	0.672
150	24.102	36.260	3.77	24.567	0.707
160	23.867	36.247	3.64	24.627	0.741
170	23.311	36.205	3.64	24.759	0.774
180	22.813	36.143	3.66	24.856	0.806
190	22.466	36.097	3.57	24.921	0.838
200	22.029	36.028	3.67	24.992	0.868
250	18.294	35.465	3.44	25.556	1.006
300	14.323	34.963	3.07	26.091	1.120
350	11.896	34.739	2.45	26.407	1.212
400	9.660	34.617	2.13	26.711	1.289
450	8.459	34.583	2.28	26.877	1.356
500	7.632	34.554	2.47	26.978	1.416
550	6.956	34.535	2.62	27.059	1.471
600	6.478	34.526	2.55	27.116	1.524
650	6.124	34.513	2.65	27.152	1.574
700	5.904	34.520	2.45	27.186	1.624
750	5.640	34.517	2.41	27.216	1.672
800	5.363	34.517	2.33	27.250	1.718
900	4.921	34.517	2.38	27.302	1.808
1000	4.435	34.522	2.48	27.360	1.892
1500	2.872	34.581	2.83	27.562	2.247
2000	2.032	34.636	2.98	27.678	2.528
2500	1.696	34.667	2.97	27.728	2.772
3000	1.478	34.681	3.08	27.756	3.003
3500	1.292	34.689	3.21	27.776	3.227
4000	1.106	34.697	3.48	27.795	3.445
4500	0.931	34.706	3.72	27.813	3.657
4829	0.881	34.708	3.78	27.819	3.794

CAST TW2-87-0C -004 DATE 07 JUN 87 TIME 2025 GMT
LAT 12 00.1S LONG 151 59.4W

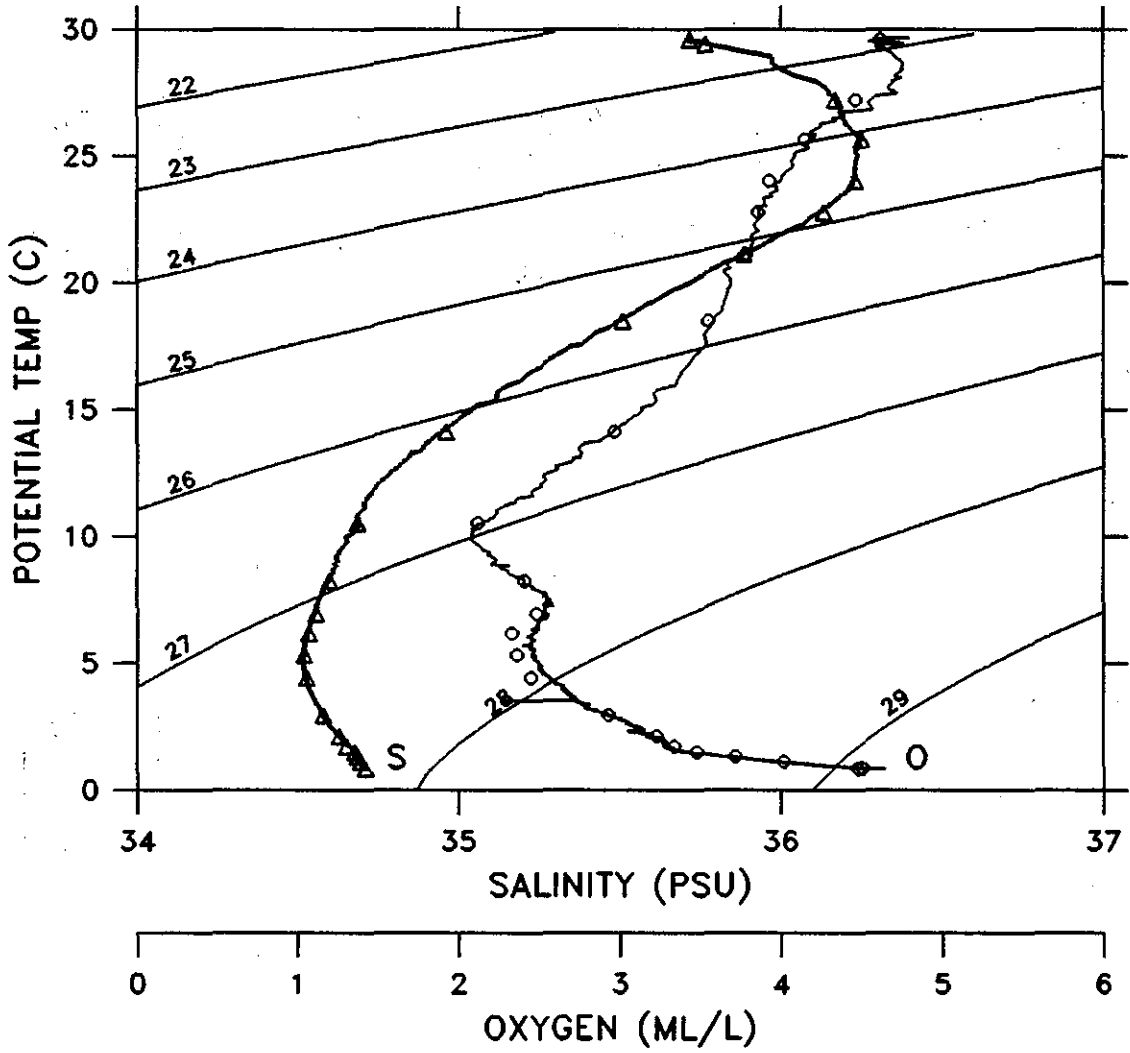


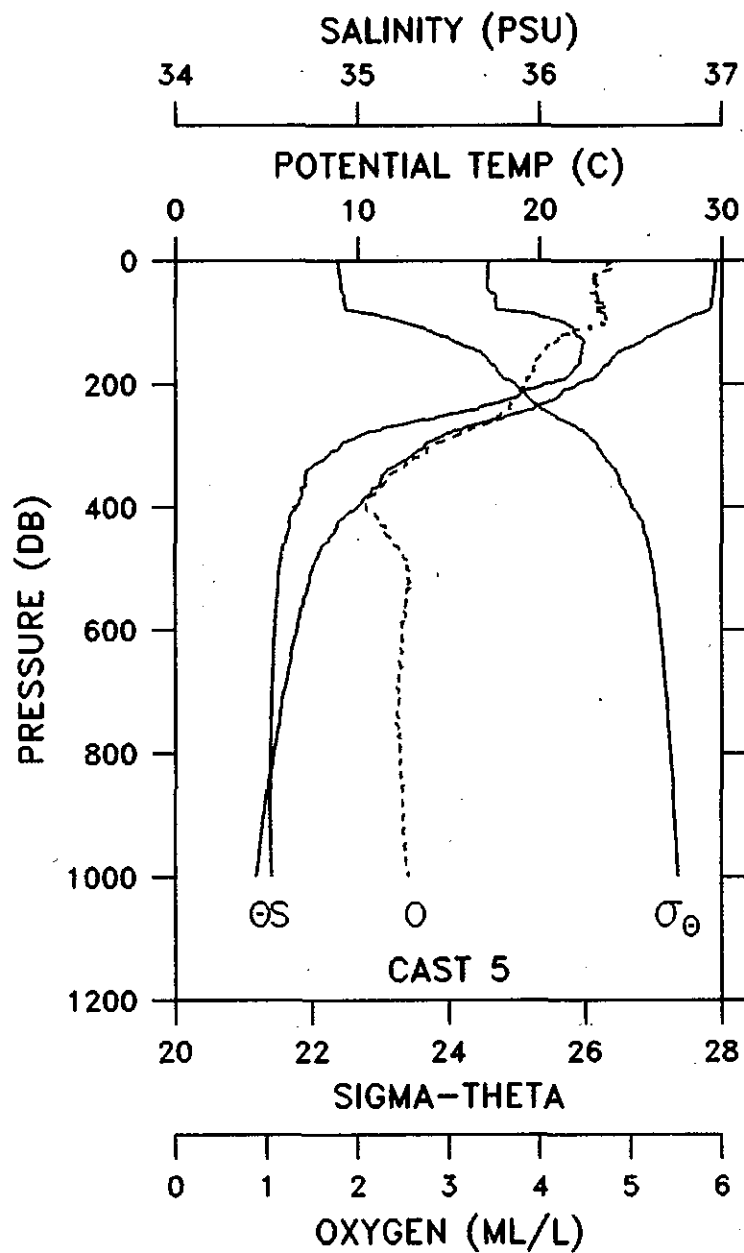
CAST TW2-87-OC -004 DATE 07 JUN 87 TIME 2025 GMT
 LAT 12 00.1S LONG 151 59.4W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 070 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 30.0 WET 26.5 DEPTH 5125 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.790	35.832	4.50	22.425	0.000
10	29.787	35.831	4.49	22.425	0.054
20	29.786	35.832	4.47	22.425	0.108
30	29.785	35.832	4.52	22.426	0.162
40	29.785	35.833	4.46	22.426	0.217
50	29.784	35.832	4.37	22.426	0.271
60	29.785	35.832	4.52	22.426	0.325
70	29.761	35.842	4.54	22.442	0.379
80	29.041	35.988	4.68	22.795	0.433
90	27.972	36.111	4.76	23.242	0.481
100	27.423	36.154	4.67	23.453	0.527
110	26.929	36.182	4.64	23.633	0.571
120	26.308	36.206	4.50	23.848	0.613
130	25.677	36.198	4.13	24.040	0.653
140	24.762	36.206	3.95	24.327	0.691
150	24.433	36.200	3.86	24.423	0.727
160	24.158	36.189	3.82	24.496	0.762
170	23.663	36.198	3.80	24.650	0.796
180	23.152	36.174	3.78	24.781	0.830
190	22.593	36.110	3.77	24.895	0.861
200	22.111	36.045	3.83	24.982	0.892
250	18.553	35.493	3.61	25.513	1.032
300	14.089	34.945	2.94	26.126	1.144
350	10.992	34.685	2.36	26.532	1.232
400	9.409	34.628	2.26	26.761	1.305
450	8.193	34.584	2.57	26.919	1.369
500	7.482	34.576	2.52	27.017	1.427
550	6.923	34.550	2.52	27.075	1.481
600	6.548	34.543	2.46	27.121	1.533
650	6.204	34.535	2.40	27.159	1.584
700	5.858	34.525	2.43	27.196	1.633
750	5.616	34.523	2.44	27.224	1.680
800	5.318	34.519	2.47	27.256	1.726
900	4.852	34.519	2.51	27.311	1.815
1000	4.445	34.526	2.56	27.362	1.898
1500	2.942	34.581	2.90	27.556	2.257
2000	2.051	34.636	3.23	27.676	2.541
2500	1.704	34.665	3.30	27.726	2.786
3000	1.512	34.679	3.41	27.752	3.019
3500	1.301	34.689	3.69	27.774	3.246
4000	1.103	34.698	4.04	27.796	3.465
4500	0.937	34.705	4.31	27.813	3.676
5000	0.867	34.709	4.54	27.820	3.886
5050	0.865	34.709	4.53	27.821	3.907

CAST TW2-87-OC -005 DATE 08 JUN 87 TIME 0500 GMT
LAT 11 59.0S LONG 152 58.7W

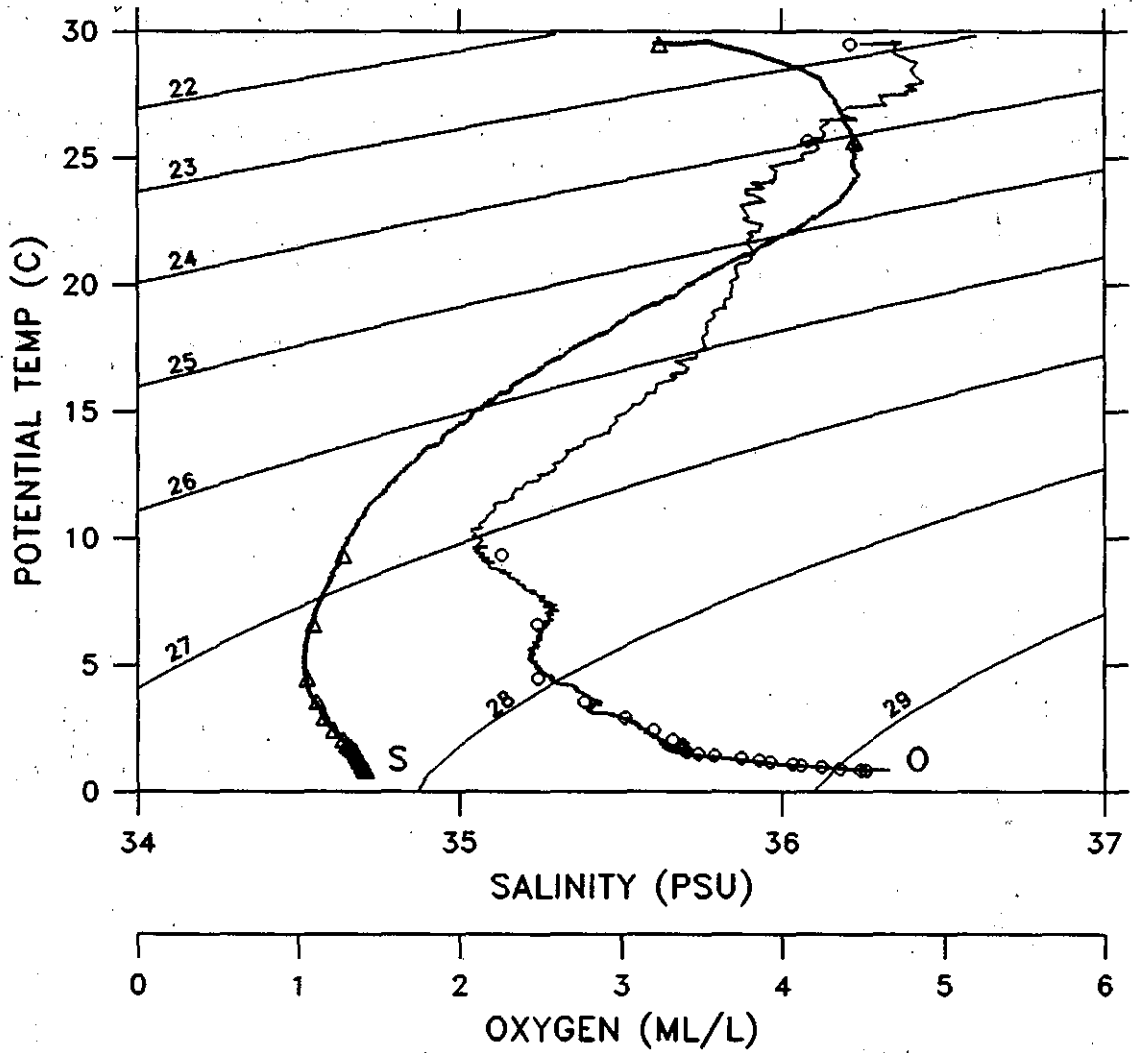


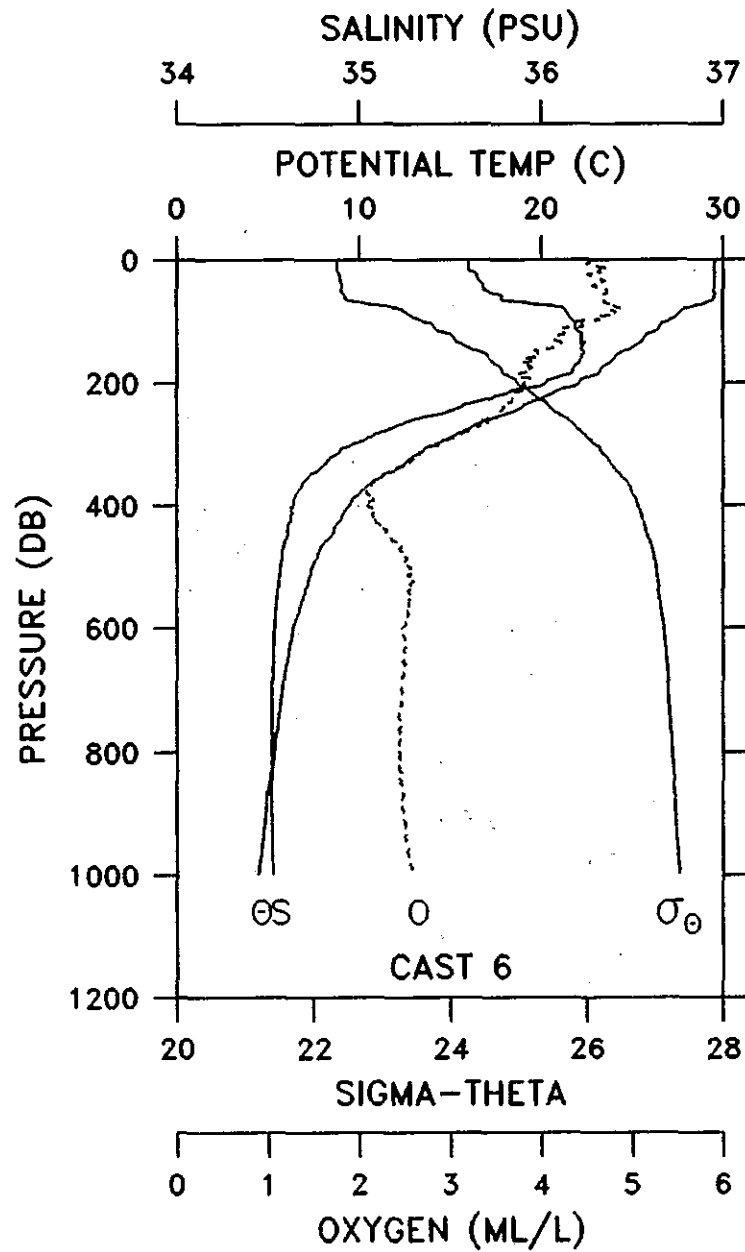


CAST TW2-87-0C -005 DATE 08 JUN 87 TIME 0500 GMT
 LAT 11 59.0S LONG 152 58.7W WEATHER 1 SEA STATE 2
 BAROMETER 09 WIND DIR 045 T SPD 15 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 29.7 WET 26.1 DEPTH 5309 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.660	35.716	4.78	22.382	0.000
10	29.657	35.715	4.79	22.382	0.054
20	29.647	35.714	4.67	22.385	0.109
30	29.578	35.713	4.57	22.407	0.163
40	29.560	35.712	4.63	22.412	0.218
50	29.515	35.725	4.64	22.437	0.272
60	29.501	35.758	4.64	22.467	0.326
70	29.466	35.763	4.72	22.483	0.380
80	29.336	35.797	4.58	22.552	0.434
90	28.432	35.997	4.77	23.005	0.485
100	27.647	36.146	4.67	23.374	0.532
110	26.828	36.191	4.56	23.672	0.576
120	26.248	36.203	4.24	23.865	0.617
130	25.694	36.247	4.19	24.072	0.657
140	24.898	36.237	4.08	24.309	0.695
150	24.282	36.234	4.02	24.493	0.731
160	23.952	36.223	3.96	24.584	0.765
170	23.610	36.207	3.96	24.673	0.799
180	23.339	36.181	3.90	24.733	0.832
190	22.985	36.143	3.85	24.806	0.865
200	22.055	36.026	3.86	24.984	0.896
250	18.382	35.481	3.56	25.546	1.037
300	13.683	34.905	2.80	26.180	1.146
350	11.326	34.710	2.35	26.491	1.234
400	9.958	34.646	2.09	26.683	1.311
450	8.409	34.604	2.35	26.901	1.376
500	7.534	34.571	2.55	27.006	1.435
550	7.045	34.556	2.54	27.063	1.490
600	6.665	34.545	2.50	27.106	1.543
650	6.320	34.536	2.46	27.145	1.594
700	5.934	34.527	2.44	27.188	1.644
750	5.703	34.524	2.40	27.214	1.692
800	5.365	34.520	2.47	27.252	1.738
900	4.855	34.521	2.50	27.312	1.827
1000	4.430	34.528	2.55	27.365	1.910
1500	2.972	34.580	2.91	27.552	2.267
2000	2.096	34.634	3.18	27.671	2.552
2500	1.709	34.666	3.27	27.726	2.799
3000	1.485	34.681	3.44	27.755	3.031
3500	1.289	34.689	3.72	27.776	3.256
4000	1.123	34.697	3.98	27.793	3.475
4500	0.951	34.704	4.30	27.811	3.688
5000	0.866	34.709	4.51	27.820	3.898
5383	0.850	34.710	4.64	27.822	4.063

CAST TW2-87-OC -006 DATE 08 JUN 87 TIME 1324 GMT
LAT 11 59.0S LONG 153 59.4W

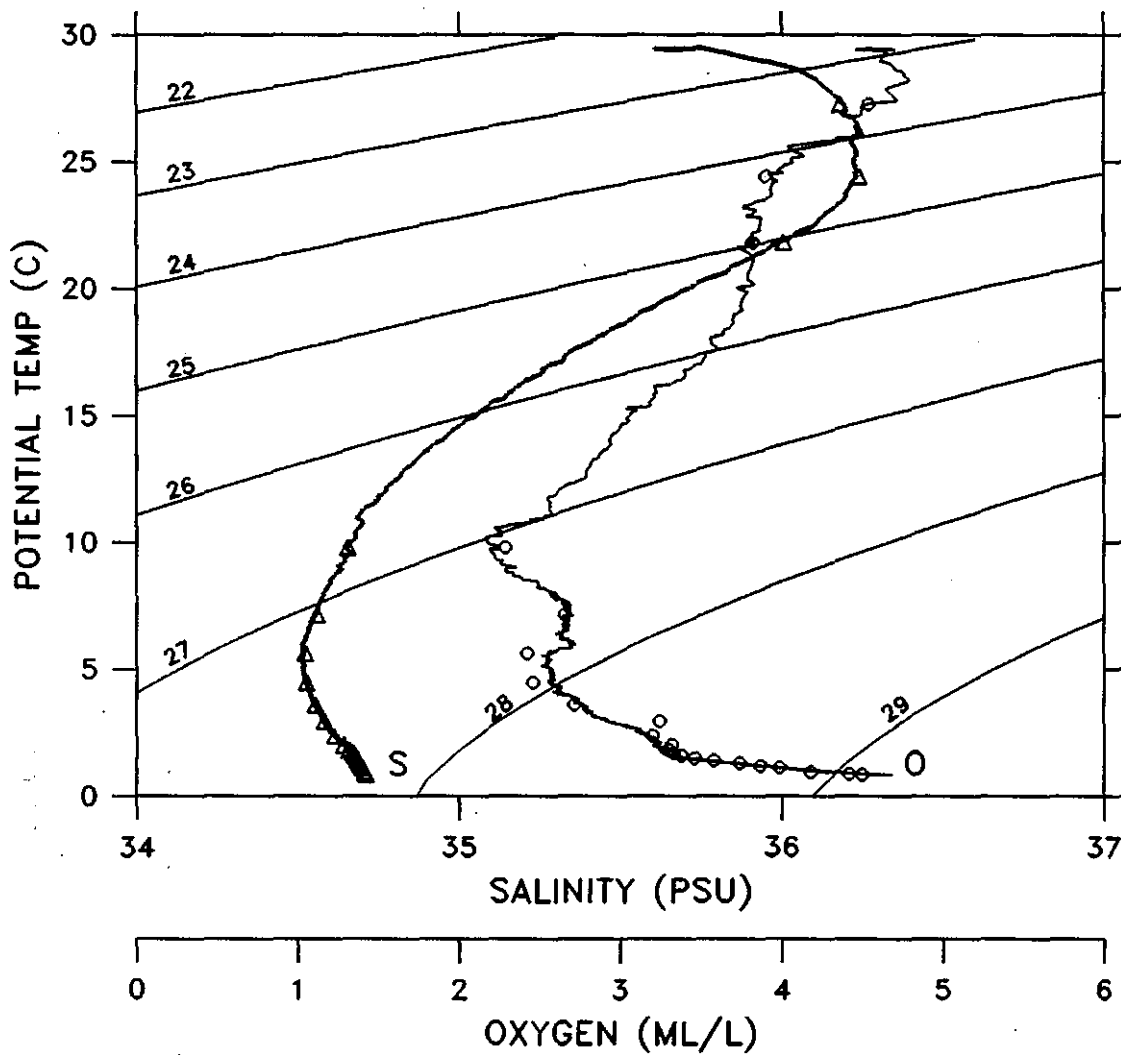




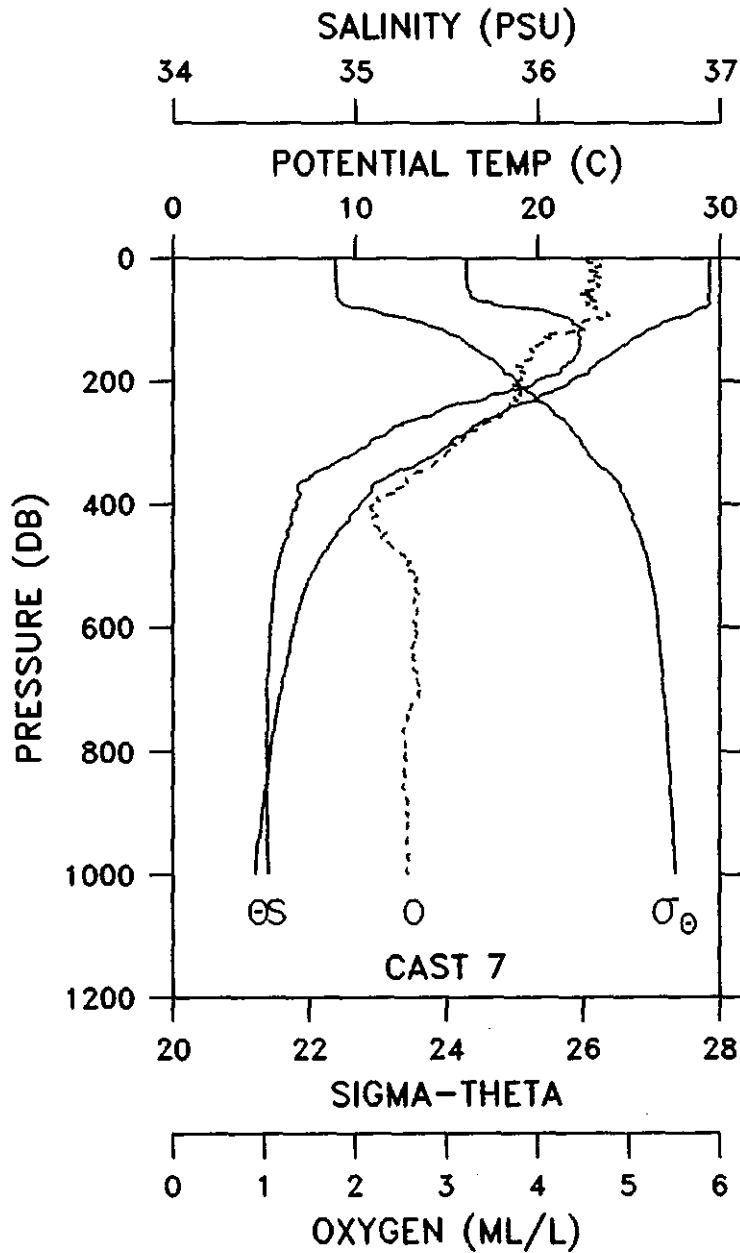
CAST TW2-87-OC -006 DATE 08 JUN 87 TIME 1324 GMT
 LAT 11 59.0S LONG 153 59.4W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 055 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 2 DRY 29.0 WET 26.2 DEPTH 5464 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.532	35.599	4.53	22.337	0.000
10	29.526	35.599	4.59	22.339	0.055
20	29.532	35.630	4.62	22.360	0.110
30	29.507	35.650	4.65	22.384	0.164
40	29.510	35.676	4.62	22.402	0.219
50	29.521	35.697	4.73	22.414	0.273
60	29.536	35.783	4.69	22.474	0.328
70	29.056	35.934	4.72	22.749	0.381
80	27.859	36.131	4.77	23.294	0.429
90	27.533	36.149	4.77	23.414	0.475
100	27.015	36.178	4.42	23.603	0.519
110	26.518	36.190	4.35	23.770	0.561
120	25.832	36.228	4.26	24.015	0.602
130	25.603	36.220	4.14	24.080	0.641
140	25.147	36.226	4.13	24.225	0.680
150	24.420	36.234	3.97	24.452	0.716
160	24.018	36.220	3.81	24.561	0.751
170	23.584	36.198	3.78	24.674	0.785
180	23.233	36.172	3.81	24.757	0.818
190	22.613	36.091	3.76	24.874	0.850
200	22.077	36.023	3.80	24.975	0.881
250	18.048	35.444	3.53	25.601	1.018
300	14.140	34.958	2.90	26.126	1.129
350	11.408	34.729	2.25	26.490	1.218
400	9.502	34.637	2.11	26.753	1.291
450	8.471	34.605	2.30	26.892	1.356
500	7.424	34.567	2.55	27.018	1.414
550	6.967	34.552	2.58	27.070	1.469
600	6.398	34.536	2.47	27.135	1.521
650	6.078	34.528	2.50	27.170	1.571
700	5.802	34.523	2.47	27.201	1.619
750	5.570	34.522	2.45	27.229	1.667
800	5.338	34.521	2.45	27.256	1.713
900	4.886	34.521	2.48	27.309	1.801
1000	4.449	34.527	2.57	27.362	1.885
1500	2.893	34.579	3.04	27.559	2.242
2000	2.058	34.635	3.23	27.675	2.524
2500	1.730	34.664	3.28	27.723	2.771
3000	1.500	34.680	3.39	27.753	3.004
3500	1.296	34.689	3.66	27.775	3.231
4000	1.103	34.698	3.98	27.795	3.449
4500	0.971	34.704	4.23	27.809	3.662
5000	0.871	34.695	4.47	27.809	3.874
5541	0.843	34.710	4.64	27.822	4.109

CAST TW2-87-OC -007 DATE 08 JUN 87 TIME 2140 GMT
LAT 11 59.5S LONG 154 59.8W

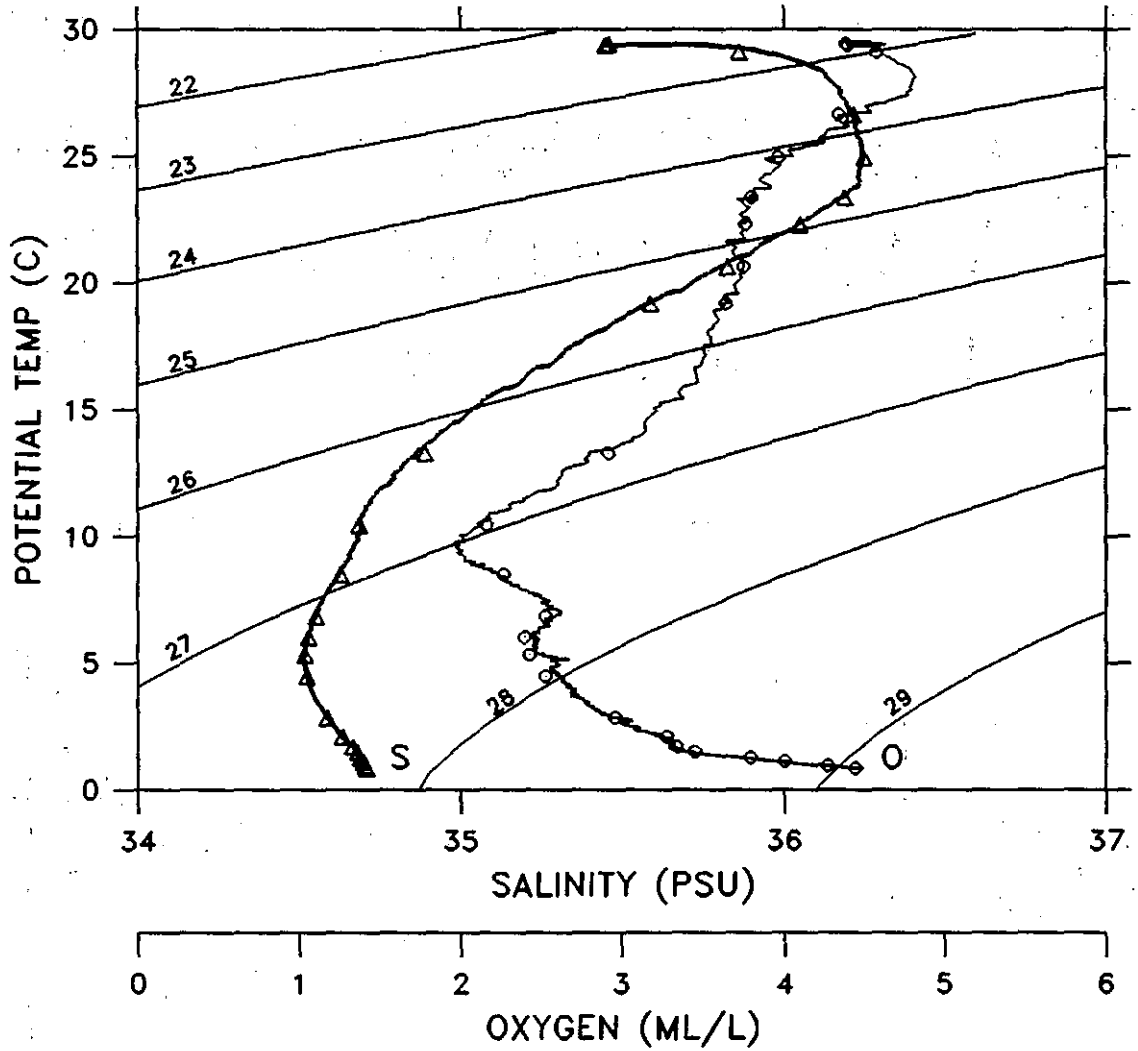


CAST TW2-87-OC -007 DATE 08 JUN 87 TIME 2140 GMT
 LAT 11 59.5S LONG 154 59.8W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 085 T SPD 08 KT VISIBILITY 9
 CLOUD 8 AMOUNT 4 DRY 29.2 WET 26.2 DEPTH 5377 M

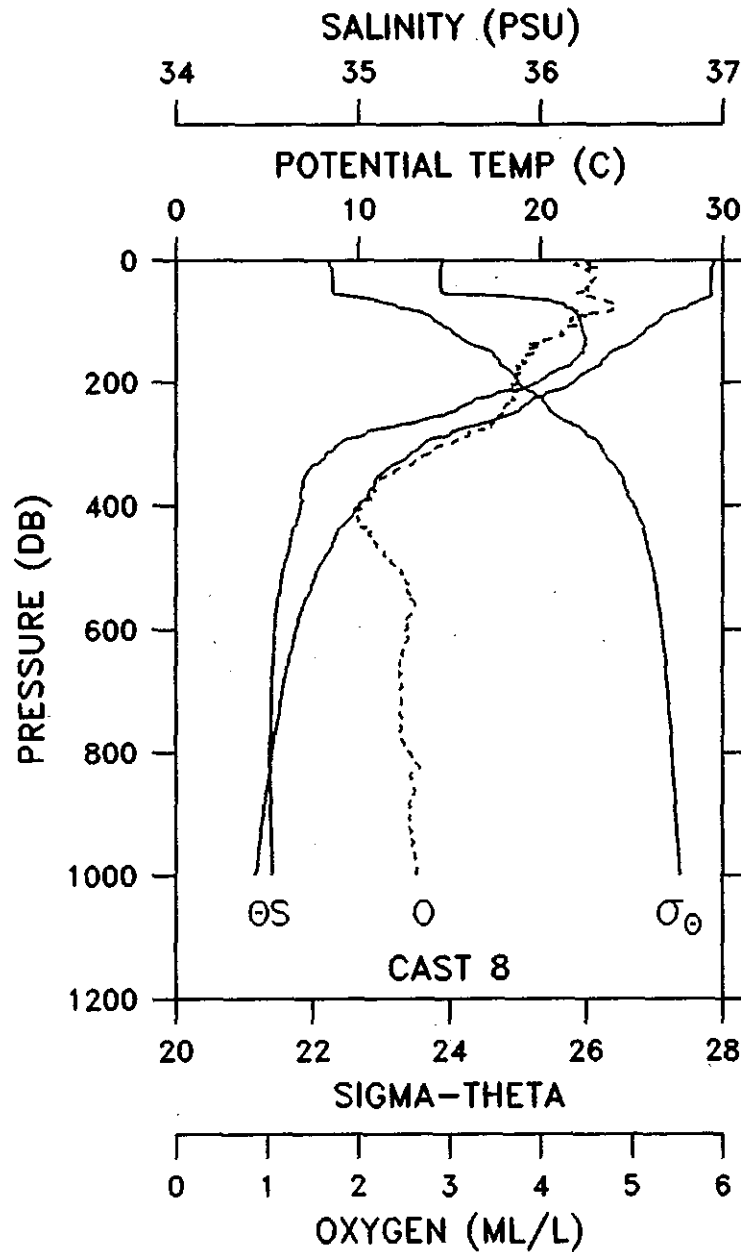


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.437	35.608	4.54	22.376	0.000
10	29.433	35.610	4.68	22.378	0.055
20	29.421	35.608	4.59	22.382	0.109
30	29.417	35.609	4.68	22.383	0.164
40	29.419	35.611	4.67	22.384	0.218
50	29.424	35.619	4.67	22.389	0.273
60	29.409	35.637	4.47	22.407	0.328
70	29.451	35.714	4.58	22.451	0.382
80	29.129	35.881	4.63	22.685	0.435
90	28.446	36.076	4.76	23.059	0.485
100	27.288	36.184	4.55	23.519	0.531
110	26.696	36.220	4.44	23.736	0.574
120	25.883	36.222	4.34	23.994	0.615
130	25.222	36.237	4.14	24.210	0.654
140	24.834	36.229	4.02	24.323	0.691
150	24.403	36.233	3.93	24.456	0.727
160	23.855	36.205	3.93	24.599	0.761
170	23.281	36.172	3.79	24.743	0.795
180	22.897	36.133	3.80	24.825	0.827
190	22.392	36.090	3.87	24.936	0.859
200	21.793	35.991	3.78	25.031	0.889
250	18.167	35.443	3.63	25.571	1.027
300	15.277	35.078	3.04	25.972	1.141
350	12.163	34.775	2.66	26.383	1.239
400	10.245	34.678	2.24	26.659	1.317
450	8.997	34.630	2.32	26.829	1.387
500	7.850	34.574	2.60	26.962	1.448
550	7.106	34.553	2.70	27.052	1.505
600	6.677	34.537	2.65	27.098	1.559
650	6.281	34.525	2.63	27.141	1.610
700	5.975	34.517	2.71	27.174	1.660
750	5.604	34.518	2.57	27.222	1.708
800	5.370	34.517	2.55	27.249	1.754
900	4.914	34.517	2.59	27.302	1.843
1000	4.513	34.526	2.57	27.354	1.928
1500	2.982	34.579	2.92	27.551	2.287
2000	2.041	34.637	3.22	27.678	2.570
2500	1.695	34.666	3.28	27.728	2.814
3000	1.494	34.679	3.42	27.753	3.046
3500	1.291	34.689	3.72	27.775	3.271
4000	1.113	34.698	4.00	27.795	3.490
4500	0.951	34.705	4.31	27.811	3.703
5000	0.866	34.709	4.54	27.820	3.913
5423	0.841	34.710	4.63	27.823	4.095

CAST TW2-87-OC -008 DATE 09 JUN 87 TIME 0552 GMT
LAT 11 59.7S LONG 156 0.6W

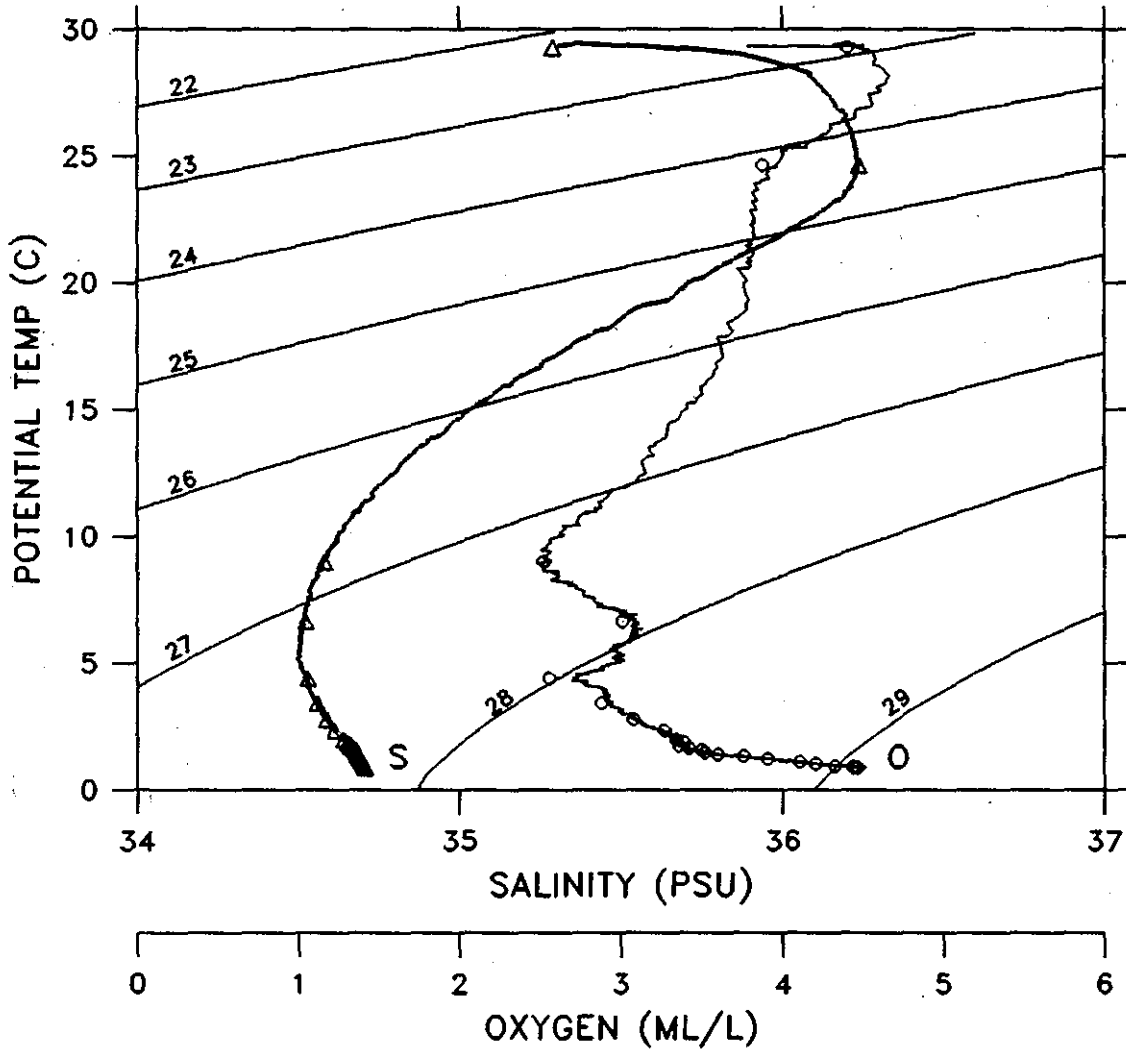


CAST TW2-87-OC-008 DATE 09 JUN 87 TIME 0552 GMT
 LAT 11 59.7S LONG 156 0.6W WEATHER 1 SEA STATE 2
 BAROMETER 12 WIND DIR 95 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 29.1 WET 25.9 DEPTH 5093 M

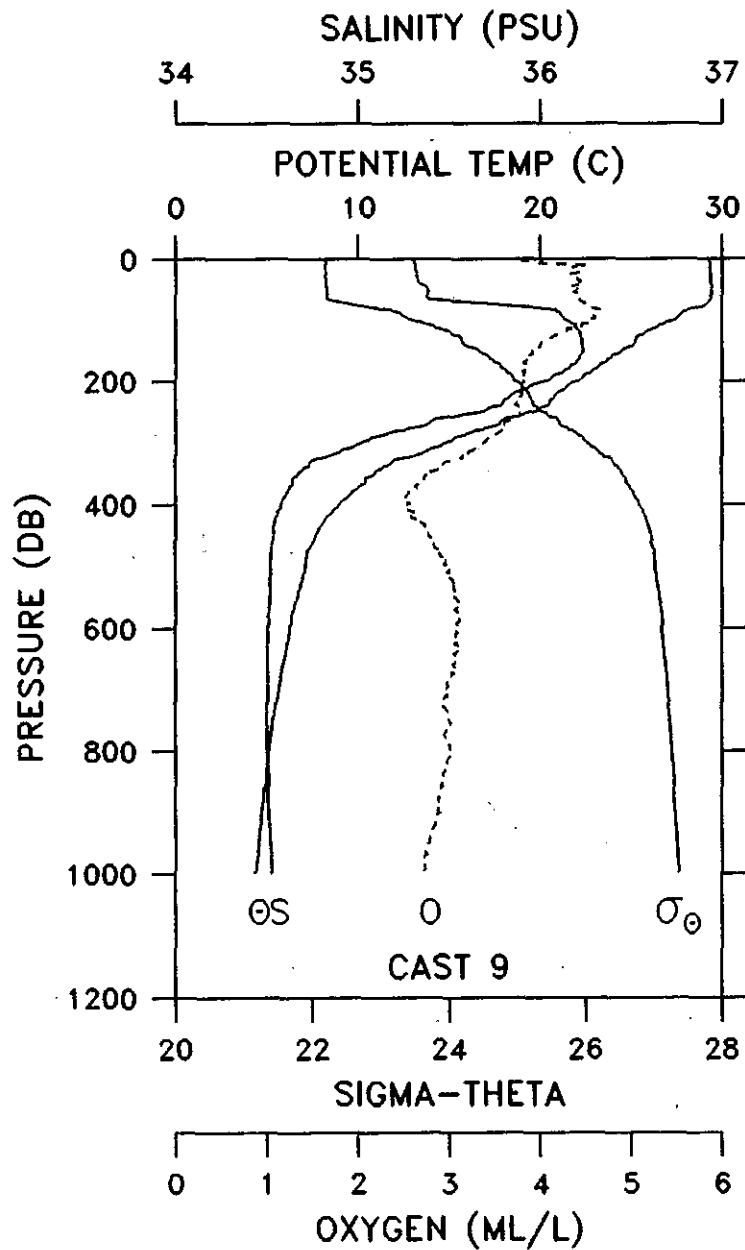


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.516	35.460	4.51	22.238	0.000
10	29.438	35.453	4.51	22.260	0.056
20	29.366	35.450	4.59	22.282	0.111
30	29.357	35.450	4.58	22.284	0.167
40	29.352	35.451	4.56	22.286	0.222
50	29.351	35.454	4.54	22.289	0.278
60	29.261	35.860	4.56	22.625	0.333
70	28.445	36.101	4.79	23.078	0.383
80	27.616	36.177	4.80	23.408	0.429
90	26.757	36.209	4.55	23.708	0.473
100	26.501	36.218	4.35	23.797	0.515
110	25.965	36.230	4.27	23.975	0.555
120	25.663	36.239	4.24	24.075	0.595
130	25.275	36.247	4.08	24.201	0.633
140	24.656	36.240	3.98	24.385	0.670
150	23.887	36.236	3.90	24.613	0.705
160	23.542	36.202	3.83	24.689	0.738
170	23.291	36.171	3.72	24.739	0.771
180	22.651	36.091	3.73	24.864	0.803
190	22.173	36.032	3.74	24.955	0.834
200	21.888	35.991	3.74	25.004	0.865
250	18.489	35.487	3.59	25.525	1.003
300	13.606	34.892	2.99	26.186	1.113
350	11.242	34.712	2.31	26.508	1.201
400	10.054	34.684	2.01	26.696	1.277
450	8.738	34.637	2.14	26.876	1.343
500	7.786	34.591	2.43	26.984	1.404
550	7.141	34.556	2.55	27.050	1.461
600	6.590	34.542	2.54	27.114	1.514
650	6.172	34.532	2.46	27.161	1.564
700	5.825	34.524	2.46	27.199	1.613
750	5.557	34.520	2.47	27.229	1.660
800	5.244	34.514	2.58	27.262	1.706
900	4.799	34.520	2.58	27.317	1.794
1000	4.334	34.529	2.65	27.376	1.877
1500	2.866	34.587	2.93	27.567	2.228
2000	2.089	34.633	3.26	27.671	2.512
2500	1.696	34.667	3.33	27.728	2.758
3000	1.492	34.681	3.40	27.754	2.989
3500	1.276	34.690	3.72	27.778	3.214
4000	1.116	34.697	3.95	27.794	3.433
4500	0.954	34.705	4.24	27.811	3.646
5000	0.862	34.709	4.46	27.821	3.856
5177	0.854	34.709	4.47	27.821	3.932

CAST TW2-87-OC -009 DATE 09 JUN 87 TIME 1311 GMT
LAT 12 00.3S LONG 157 00.2W

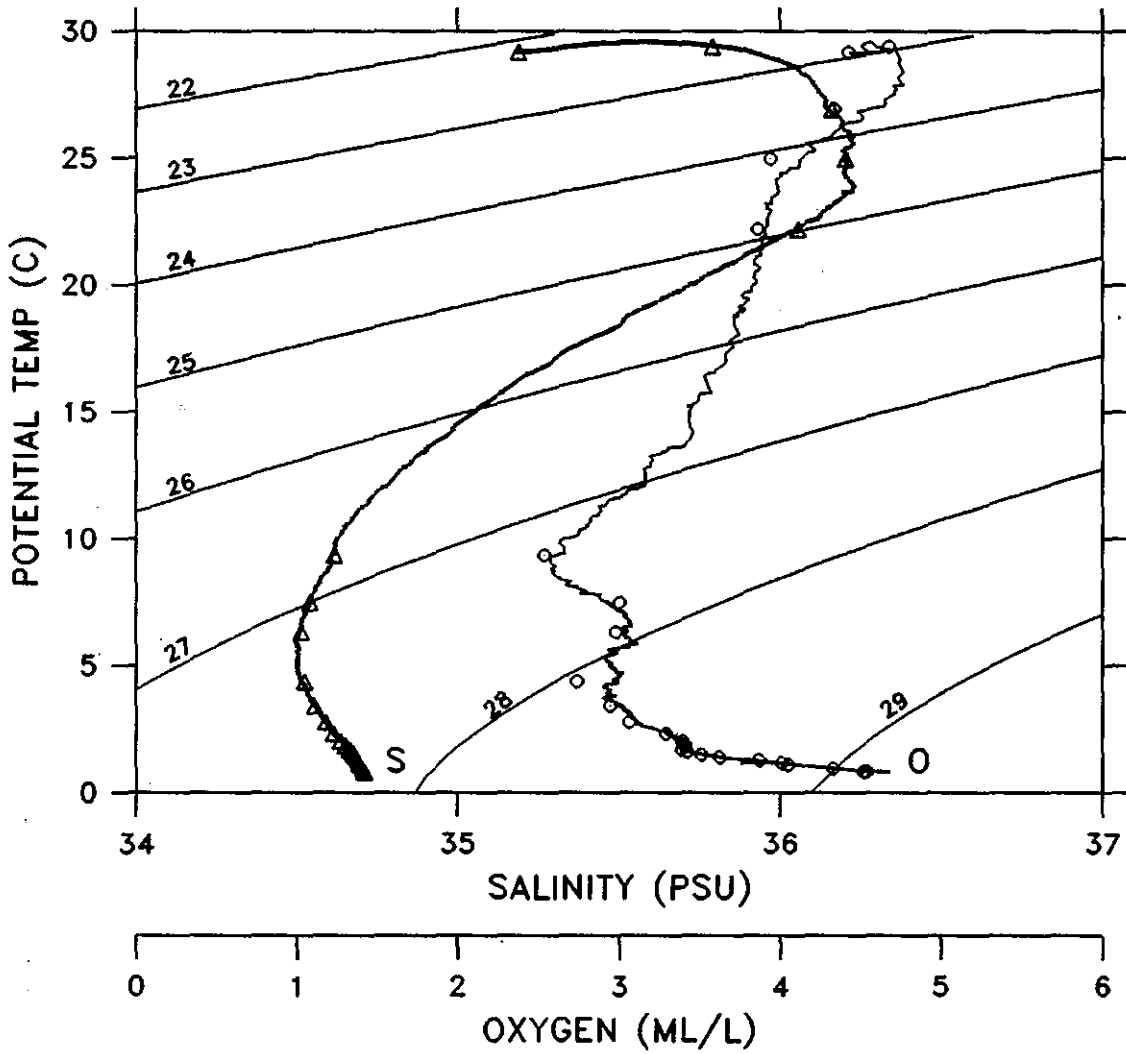


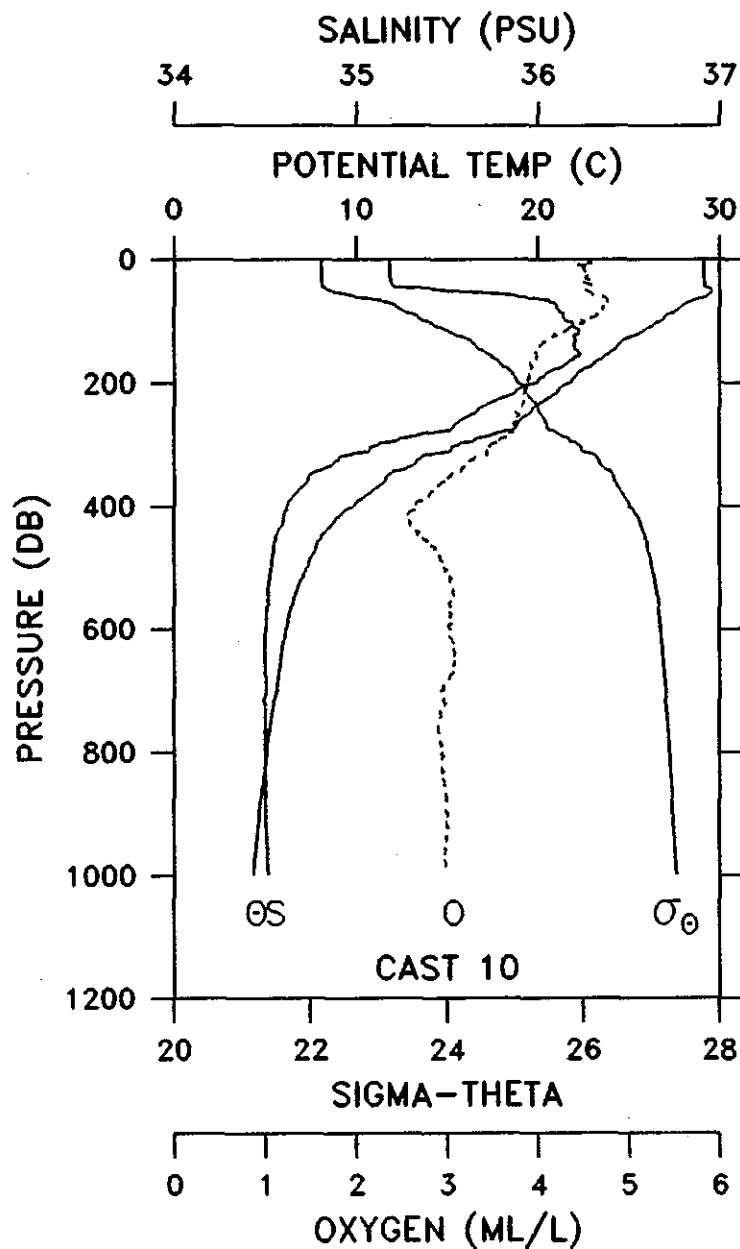
CAST TW2-87-OC -009 DATE 09 JUN 87 TIME 1311 GMT
 LAT 12 00.3S LONG 157 00.2W WEATHER 1 SEA STATE 5
 BAROMETER 12 WIND DIR 110 T SPD 18 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 29.5 WET 26.2 DEPTH 4940 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.317	35.307	3.79	22.191	0.000
10	29.338	35.312	4.51	22.187	0.056
20	29.351	35.319	4.43	22.188	0.113
30	29.360	35.323	4.40	22.188	0.169
40	29.376	35.334	4.37	22.191	0.226
50	29.424	35.381	4.40	22.210	0.282
60	29.401	35.380	4.42	22.217	0.338
70	29.288	35.599	4.47	22.420	0.394
80	28.598	36.003	4.57	22.954	0.447
90	27.804	36.114	4.62	23.299	0.494
100	27.367	36.147	4.55	23.466	0.539
110	26.503	36.194	4.46	23.778	0.582
120	25.793	36.220	4.24	24.021	0.623
130	25.314	36.228	4.09	24.175	0.662
140	25.145	36.232	4.00	24.230	0.699
150	24.494	36.235	3.93	24.431	0.736
160	23.948	36.217	3.87	24.580	0.770
170	23.560	36.197	3.81	24.680	0.804
180	22.992	36.147	3.83	24.807	0.837
190	22.406	36.073	3.81	24.920	0.868
200	22.021	36.019	3.82	24.988	0.899
250	19.536	35.668	3.77	25.394	1.043
300	14.842	35.016	3.37	26.019	1.160
350	10.912	34.674	2.80	26.538	1.250
400	8.967	34.578	2.52	26.793	1.322
450	7.641	34.535	2.78	26.962	1.384
500	7.137	34.524	2.99	27.025	1.440
550	6.689	34.516	3.06	27.080	1.495
600	6.280	34.510	3.08	27.129	1.546
650	5.978	34.505	3.06	27.165	1.596
700	5.677	34.505	2.95	27.202	1.644
750	5.351	34.501	3.00	27.239	1.691
800	5.097	34.501	3.03	27.268	1.737
900	4.735	34.513	2.90	27.319	1.824
1000	4.403	34.528	2.71	27.368	1.906
1500	2.841	34.584	3.08	27.568	2.256
2000	2.014	34.639	3.34	27.681	2.534
2500	1.701	34.666	3.39	27.728	2.778
3000	1.475	34.681	3.53	27.756	3.009
3500	1.278	34.690	3.80	27.777	3.233
4000	1.097	34.699	4.11	27.797	3.451
4500	0.953	34.705	4.34	27.811	3.664
4850	0.874	34.709	4.52	27.820	3.811

CAST TW2-87-OC -010 DATE 09 JUN 87 TIME 2111 GMT
LAT 12 00.7S LONG 158 00.5W

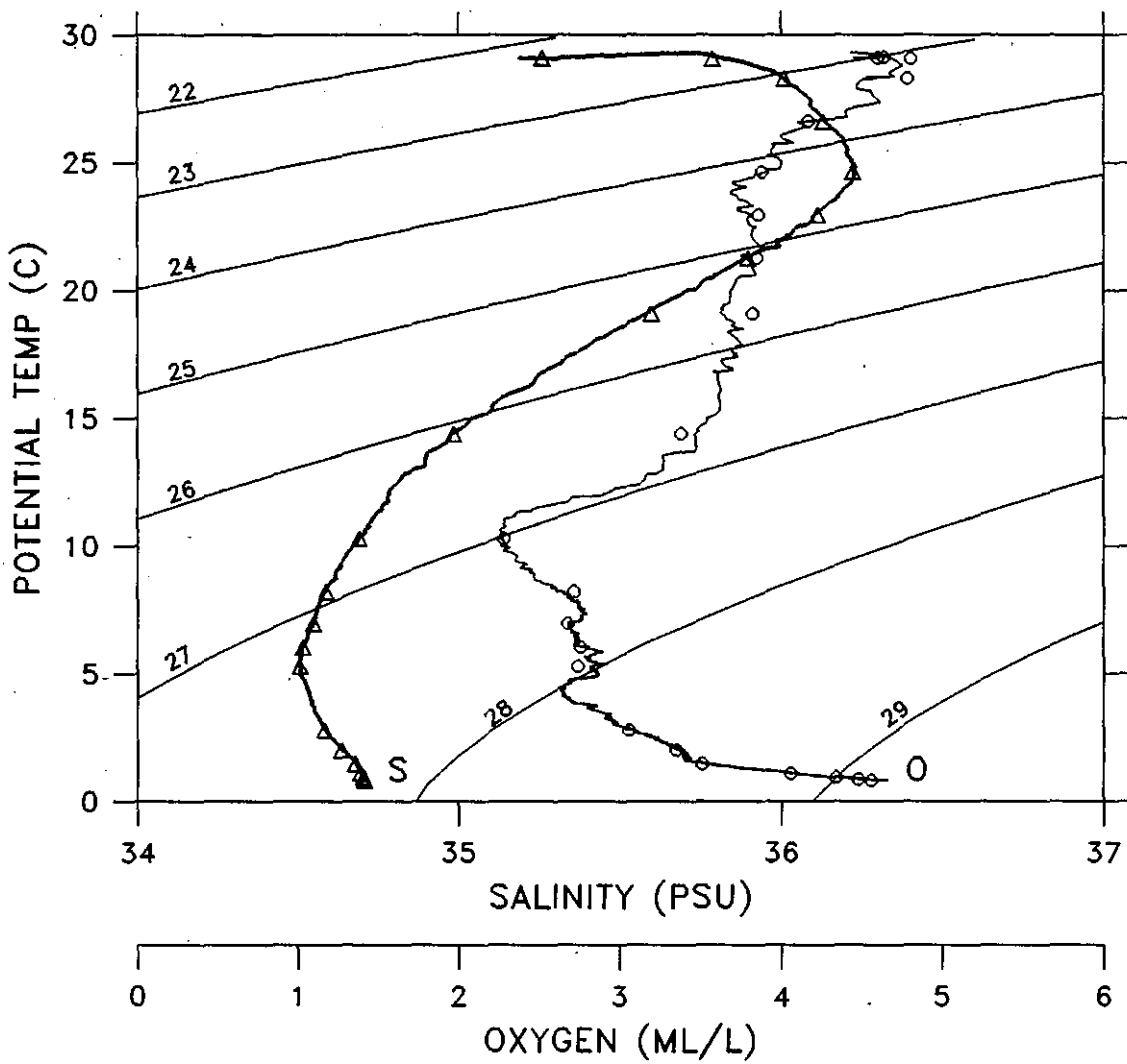


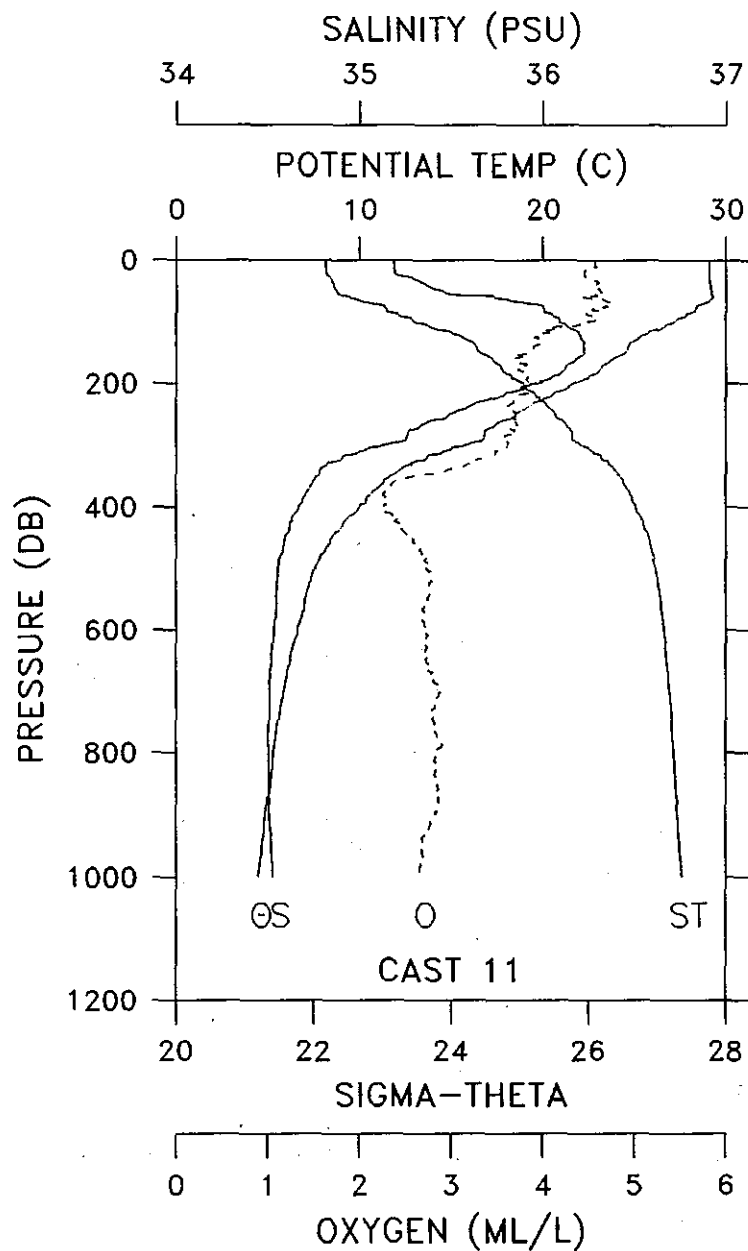


CAST TW2-87-OC -010 DATE 09 JUN 87 TIME 2111 GMT
 LAT 12 00.7S LONG 158 00.5W WEATHER 1 SEA STATE 5
 BAROMETER 14 WIND DIR 155 T SPD 22 KT VISIBILITY 5
 CLOUD 3 AMOUNT 3 DRY 27.0 WET 25.0 DEPTH 5340 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.130	35.183	4.57	22.160	0.000
10	29.138	35.184	4.55	22.158	0.057
20	29.139	35.183	4.52	22.157	0.113
30	29.150	35.187	4.52	22.157	0.170
40	29.156	35.195	4.54	22.161	0.227
50	29.520	35.464	4.52	22.240	0.283
60	29.286	35.881	4.66	22.632	0.337
70	28.238	36.082	4.75	23.132	0.387
80	27.809	36.110	4.71	23.295	0.434
90	27.147	36.143	4.65	23.534	0.479
100	26.791	36.156	4.50	23.658	0.522
110	26.174	36.199	4.37	23.886	0.564
120	25.595	36.230	4.21	24.090	0.603
130	24.802	36.209	4.12	24.317	0.641
140	24.414	36.202	4.01	24.430	0.677
150	24.050	36.218	3.98	24.551	0.712
160	23.570	36.205	3.99	24.683	0.746
170	23.047	36.152	3.92	24.795	0.779
180	22.426	36.076	3.92	24.916	0.810
190	22.043	36.024	3.90	24.986	0.841
200	21.749	35.982	3.89	25.036	0.871
250	19.479	35.637	3.78	25.386	1.012
300	15.522	35.111	3.49	25.942	1.136
350	11.740	34.744	3.05	26.440	1.231
400	9.863	34.621	2.63	26.679	1.309
450	8.093	34.559	2.72	26.914	1.374
500	7.289	34.534	2.96	27.011	1.432
550	6.565	34.514	3.08	27.095	1.486
600	6.177	34.505	3.04	27.139	1.538
650	5.853	34.499	3.09	27.176	1.587
700	5.637	34.505	2.93	27.207	1.635
750	5.338	34.504	2.92	27.243	1.682
800	5.099	34.502	2.96	27.269	1.727
900	4.704	34.505	3.01	27.317	1.814
1000	4.339	34.516	2.98	27.366	1.897
1500	2.807	34.587	3.11	27.573	2.247
2000	2.029	34.637	3.37	27.679	2.523
2500	1.710	34.665	3.40	27.726	2.769
3000	1.497	34.680	3.51	27.754	3.001
3500	1.283	34.689	3.82	27.776	3.227
4000	1.104	34.698	4.10	27.795	3.445
4500	0.947	34.704	4.37	27.811	3.659
5000	0.842	34.710	4.59	27.822	3.867
5252	0.833	34.710	4.66	27.823	3.973

CAST TW2-87-OC-011 DATE 09 JUN 87 TIME 0503 GMT
LAT 12 00.0S LONG 158 59.9W

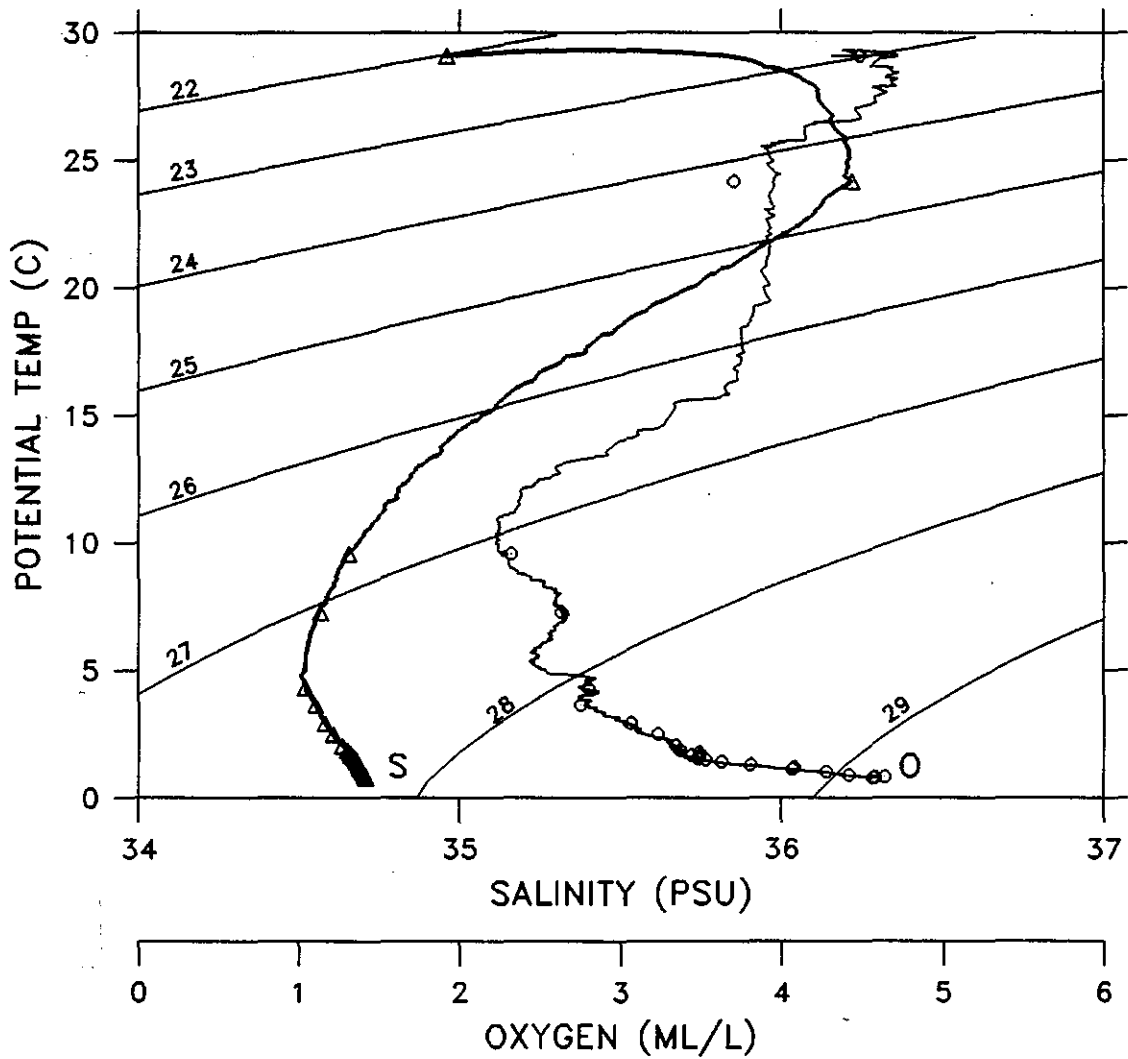




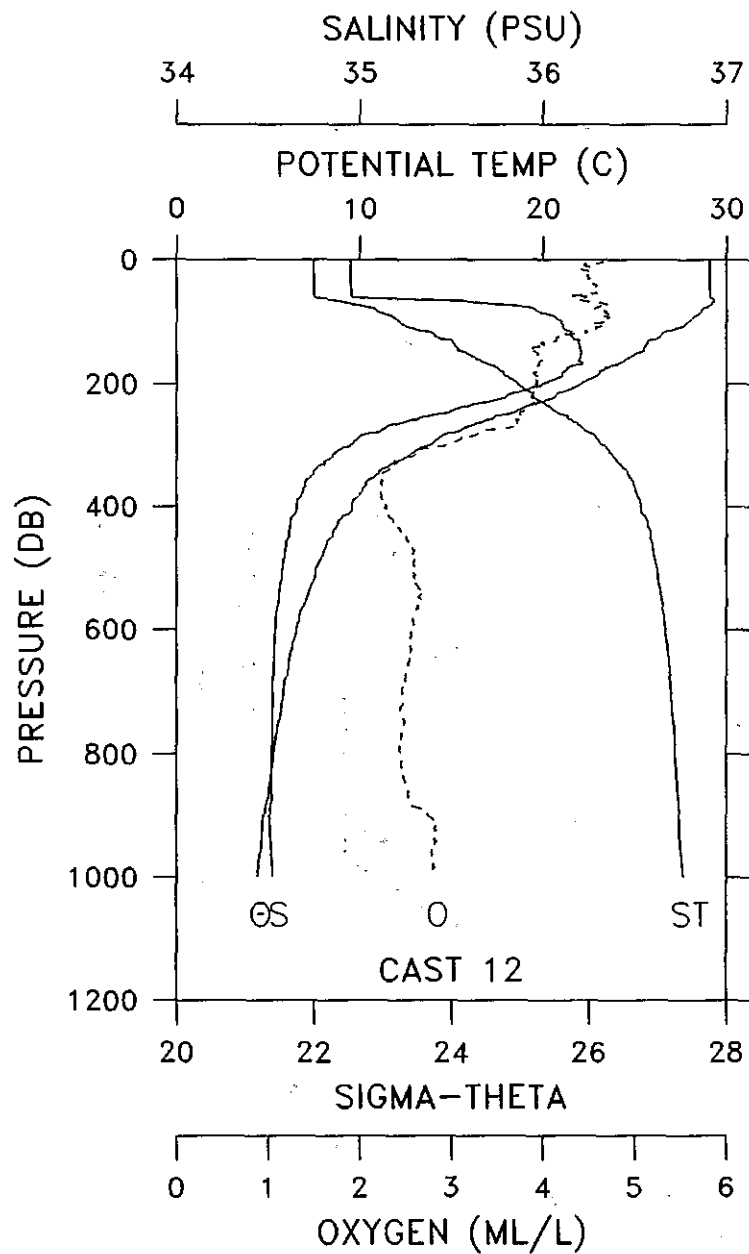
CAST TW2-87-OC-011 DATE 09 JUN 87 TIME 0503 GMT
 LAT 12 00.0S LONG 158 59.9W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 115 T SPD 14 KT VISIBILITY 7
 CLOUD 4 AMOUNT 7 DRY 29.3 WET 26.7 DEPTH 5278 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.100	35.189	4.57	22.175	0.000
10	29.096	35.189	4.59	22.176	0.056
20	29.088	35.192	4.45	22.181	0.113
30	29.100	35.300	4.52	22.258	0.169
40	29.147	35.361	4.55	22.289	0.225
50	29.212	35.456	4.63	22.338	0.280
60	29.290	35.735	4.43	22.521	0.335
70	28.821	35.915	4.76	22.813	0.387
80	28.307	36.008	4.53	23.054	0.436
90	27.823	36.059	4.54	23.252	0.484
100	27.184	36.093	4.46	23.484	0.529
110	26.522	36.145	4.12	23.735	0.572
120	25.620	36.205	3.96	24.063	0.612
130	25.094	36.220	3.99	24.236	0.650
140	24.685	36.224	3.90	24.364	0.687
150	24.520	36.225	3.83	24.415	0.723
160	23.835	36.185	3.68	24.589	0.758
170	23.329	36.137	3.82	24.702	0.791
180	23.072	36.110	3.77	24.757	0.824
190	22.476	36.047	3.85	24.880	0.856
200	21.656	35.958	3.88	25.044	0.887
250	18.512	35.490	3.74	25.521	1.025
300	15.684	35.120	3.62	25.913	1.143
350	11.691	34.773	2.66	26.472	1.237
400	10.001	34.669	2.27	26.694	1.313
450	8.458	34.592	2.57	26.884	1.380
500	7.621	34.558	2.74	26.983	1.440
550	7.050	34.547	2.76	27.056	1.496
600	6.620	34.532	2.70	27.102	1.549
650	6.235	34.522	2.73	27.145	1.600
700	5.870	34.512	2.89	27.183	1.650
750	5.570	34.508	2.81	27.218	1.698
800	5.292	34.506	2.83	27.249	1.744
900	4.875	34.511	2.83	27.302	1.834
1000	4.457	34.526	2.66	27.361	1.918
1500	2.897	34.583	3.05	27.562	2.276
2000	2.058	34.635	3.36	27.675	2.557
2500	1.711	34.665	3.39	27.726	2.801
3000	1.474	34.681	3.52	27.756	3.033
3500	1.282	34.689	3.83	27.776	3.257
4000	1.096	34.698	4.07	27.796	3.475
4500	0.942	34.705	4.37	27.812	3.687
5000	0.836	34.709	4.56	27.823	3.895
5322	0.814	34.710	4.64	27.825	4.031

CAST TW2-87-0C-012 DATE 10 JUN 87 TIME 1302 GMT
LAT 12 01.1S LONG 159 59.0W



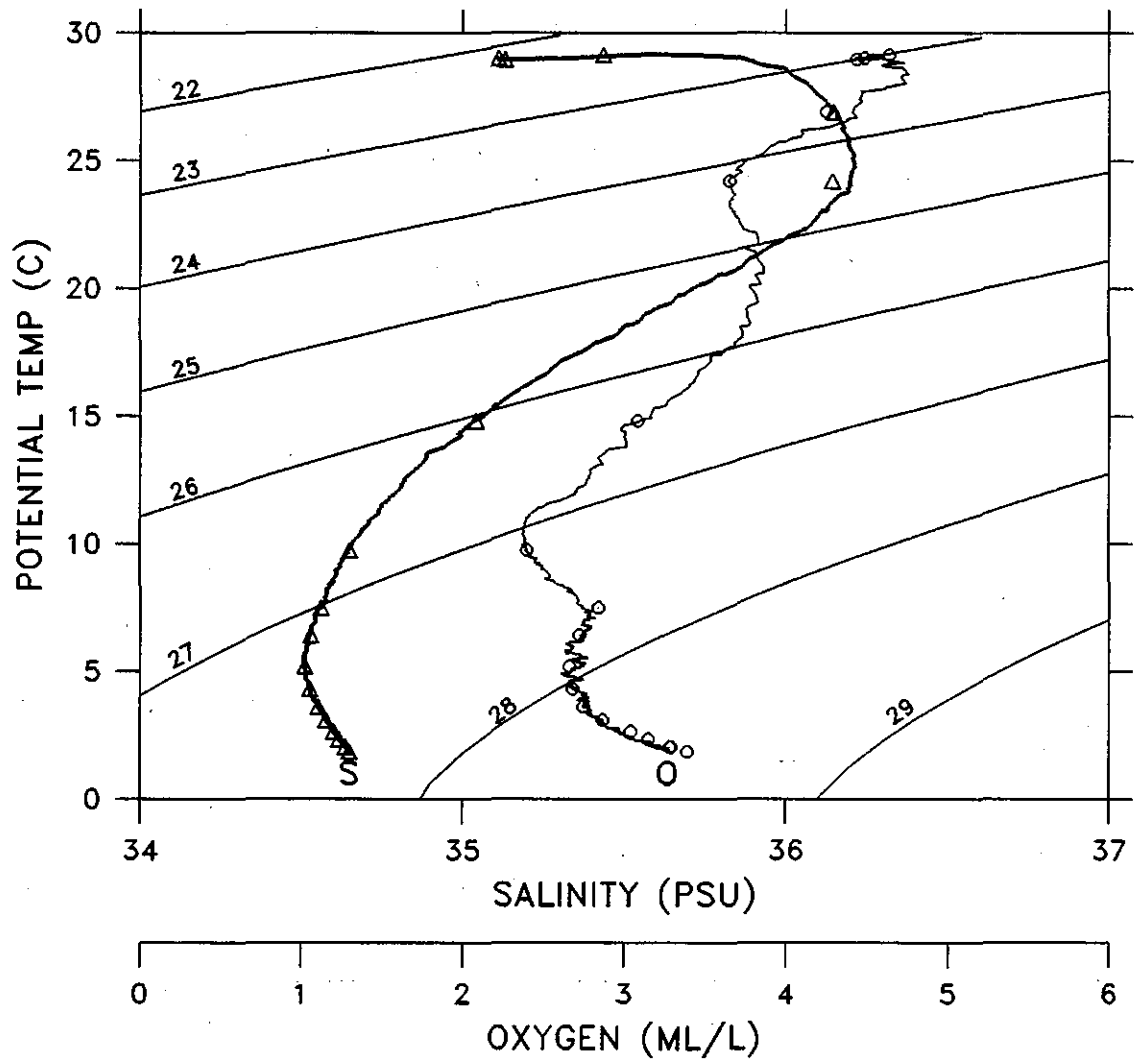
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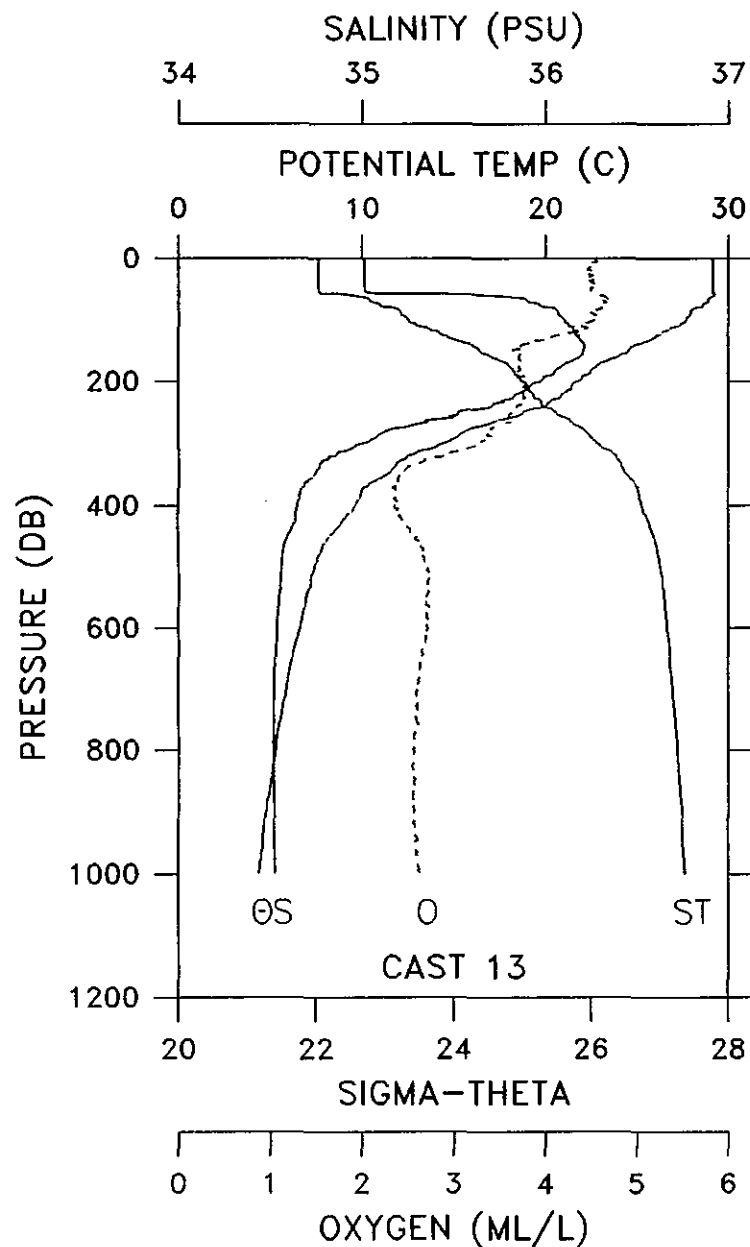


CAST TW2-87-OC-012 DATE 10 JUN 87 TIME 1302 GMT
 LAT 12 01.1S LONG 159 59.0W WEATHER 1 SEA STATE 4
 BAROMETER 16 WIND DIR 120 T SPD 20 KT VISIBILITY 8
 CLOUD 6 AMOUNT 6 DRY 29.0 WET 26.0 DEPTH 4940 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.095	34.950	4.66	21.997	0.000
10	29.097	34.951	4.47	21.997	0.058
20	29.098	34.951	4.48	21.997	0.116
30	29.095	34.950	4.52	21.997	0.175
40	29.096	34.951	4.56	21.997	0.233
50	29.096	34.953	4.56	21.999	0.291
60	29.109	34.967	4.48	22.005	0.350
70	29.203	35.718	4.66	22.538	0.405
80	28.661	35.954	4.62	22.896	0.457
90	28.268	36.059	4.65	23.105	0.506
100	27.893	36.102	4.71	23.261	0.553
110	27.360	36.116	4.58	23.445	0.599
120	26.483	36.154	4.20	23.754	0.642
130	25.749	36.196	4.14	24.016	0.684
140	25.579	36.202	3.97	24.073	0.723
150	25.158	36.209	3.93	24.209	0.761
160	24.487	36.201	3.97	24.407	0.798
170	23.791	36.170	3.94	24.591	0.833
180	23.081	36.110	3.95	24.754	0.867
190	22.683	36.076	3.90	24.843	0.899
200	22.035	35.994	3.92	24.965	0.930
250	17.645	35.389	3.76	25.658	1.069
300	13.597	34.947	2.91	26.231	1.175
350	10.840	34.737	2.24	26.600	1.259
400	9.562	34.655	2.28	26.757	1.331
450	8.472	34.609	2.52	26.895	1.395
500	7.619	34.586	2.59	27.005	1.454
550	7.073	34.556	2.66	27.059	1.510
600	6.557	34.540	2.57	27.117	1.563
650	6.126	34.532	2.54	27.167	1.613
700	5.851	34.526	2.47	27.197	1.662
750	5.560	34.522	2.49	27.230	1.710
800	5.306	34.521	2.44	27.260	1.755
900	4.774	34.509	2.76	27.312	1.843
1000	4.400	34.524	2.78	27.365	1.927
1500	2.904	34.583	3.03	27.561	2.281
2000	2.062	34.635	3.30	27.675	2.562
2500	1.696	34.666	3.40	27.728	2.806
3000	1.498	34.679	3.48	27.753	3.039
3500	1.307	34.688	3.74	27.774	3.266
4000	1.127	34.696	4.00	27.793	3.487
4500	0.894	34.708	4.38	27.817	3.700
4930	0.807	34.711	4.59	27.826	3.874

CAST TW2-87-OC-014 DATE 11 JUN 87 TIME 0220 GMT
LAT 12 00.4S LONG 160 59.8W

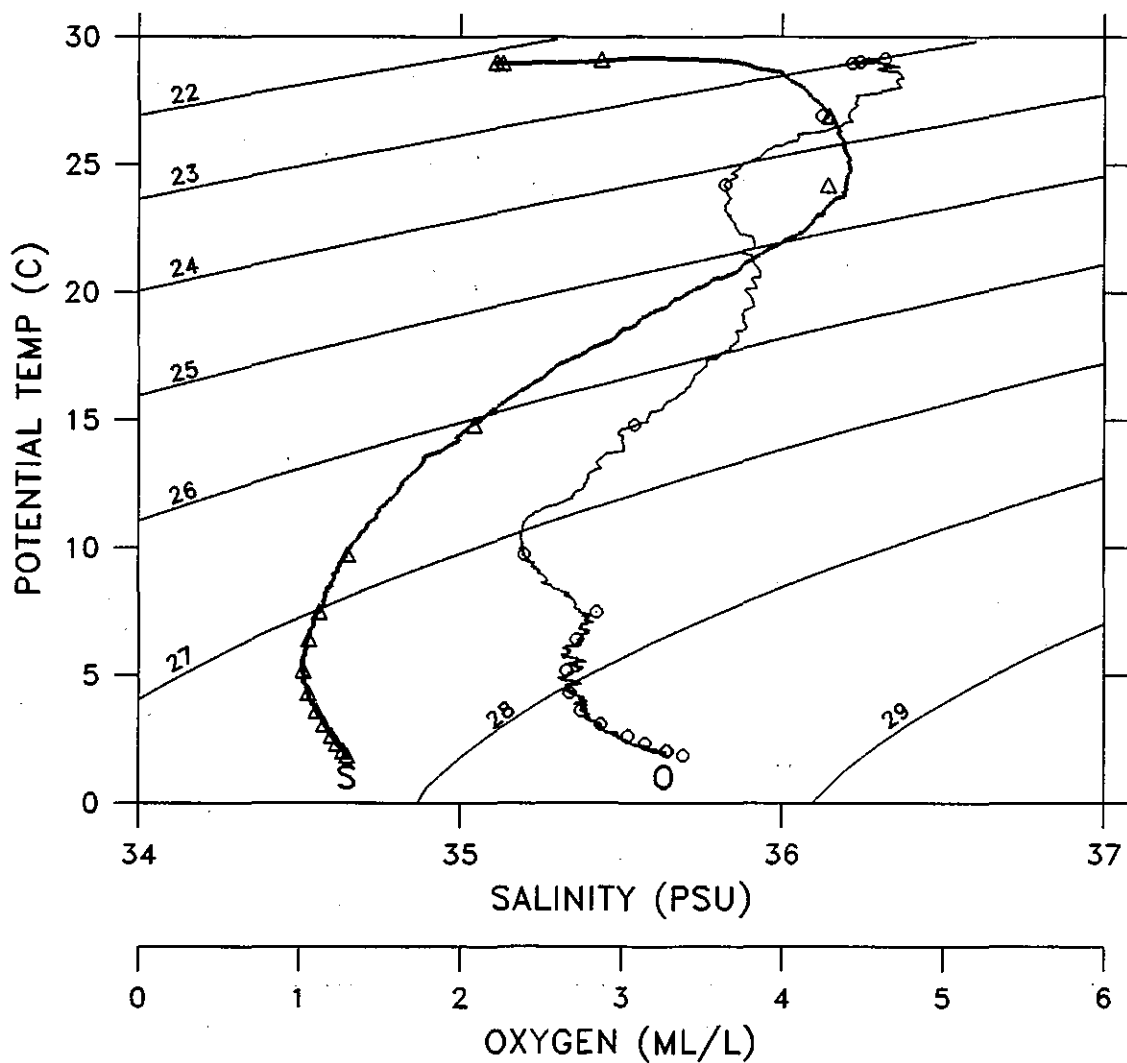


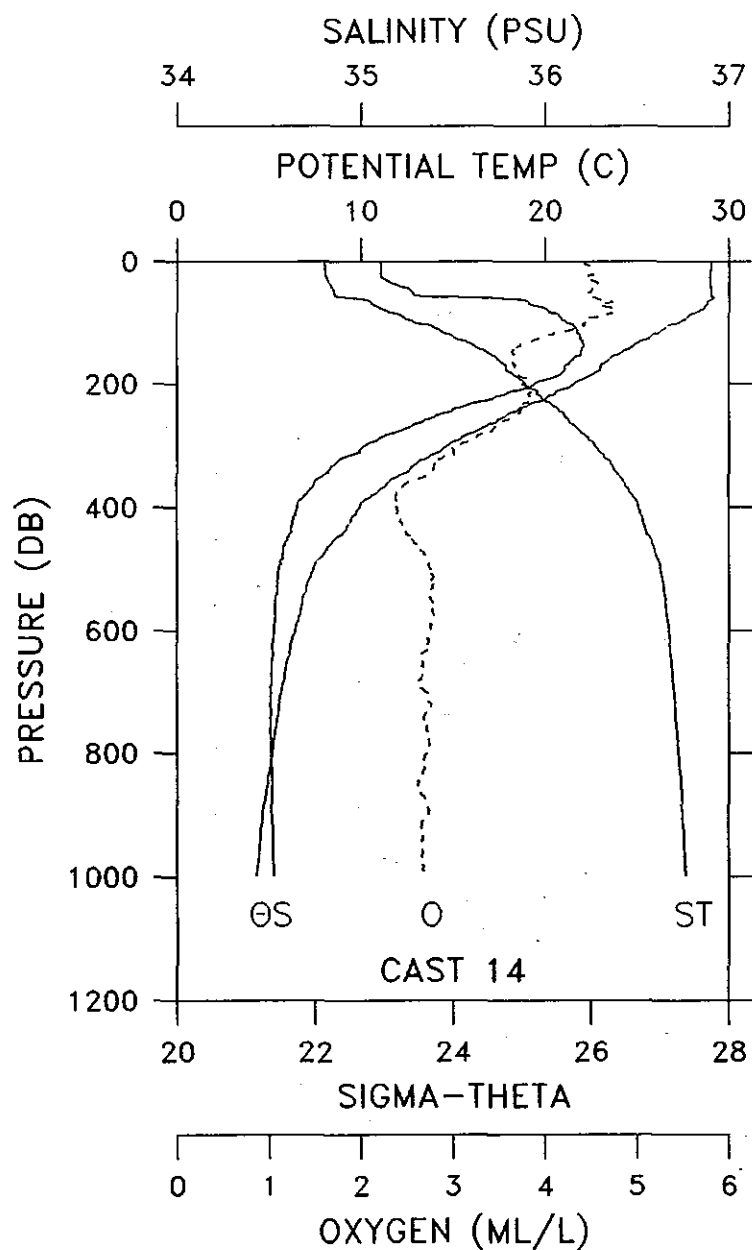


CAST TW2-87-OC-013 DATE 10 JUN 87 TIME 1947 GMT
 LAT 12 00.8S LONG 160 24.1W WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 110 T SPD 20 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 28.5 WET 26.5 DEPTH 5460 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.130	35.014	4.55	22.033	0.000
10	29.132	35.013	4.48	22.032	0.058
20	29.129	35.013	4.50	22.033	0.116
30	29.131	35.013	4.48	22.032	0.174
40	29.131	35.013	4.51	22.032	0.232
50	29.133	35.012	4.51	22.031	0.290
60	29.240	35.631	4.57	22.460	0.347
70	28.870	35.903	4.65	22.788	0.399
80	28.304	36.024	4.59	23.067	0.448
90	27.897	36.069	4.53	23.235	0.496
100	27.651	36.107	4.53	23.344	0.542
110	27.268	36.131	4.40	23.486	0.587
120	26.374	36.169	4.27	23.800	0.630
130	25.866	36.189	4.00	23.974	0.670
140	24.913	36.217	3.74	24.289	0.709
150	24.569	36.209	3.65	24.388	0.745
160	23.920	36.185	3.72	24.564	0.780
170	22.998	36.115	3.75	24.781	0.814
180	22.565	36.063	3.73	24.867	0.846
190	22.098	36.013	3.77	24.962	0.877
200	21.786	35.975	3.76	25.020	0.908
250	18.770	35.528	3.65	25.484	1.050
300	14.362	34.995	3.28	26.108	1.163
350	11.217	34.734	2.41	26.529	1.250
400	9.611	34.653	2.36	26.747	1.322
450	8.254	34.596	2.62	26.919	1.387
500	7.425	34.561	2.73	27.014	1.445
550	6.966	34.547	2.70	27.067	1.500
600	6.641	34.538	2.72	27.104	1.553
650	6.228	34.529	2.65	27.152	1.604
700	5.909	34.524	2.61	27.188	1.653
750	5.568	34.520	2.59	27.227	1.701
800	5.314	34.517	2.57	27.256	1.746
900	4.758	34.522	2.55	27.324	1.834
1000	4.370	34.525	2.64	27.369	1.917
1500	2.892	34.583	3.07	27.562	2.272
2000	2.028	34.638	3.35	27.679	2.553
2500	1.696	34.666	3.40	27.728	2.796
3000	1.488	34.680	3.49	27.754	3.028
3500	1.290	34.689	3.78	27.775	3.254
4000	1.123	34.696	4.04	27.793	3.473
4500	0.900	34.708	4.38	27.817	3.685
5000	0.808	34.711	4.60	27.826	3.888
5492	0.804	34.710	4.65	27.825	4.096

CAST TW2-87-OC-014 DATE 11 JUN 87 TIME 0220 GMT
LAT 12 00.4S LONG 160 59.8W

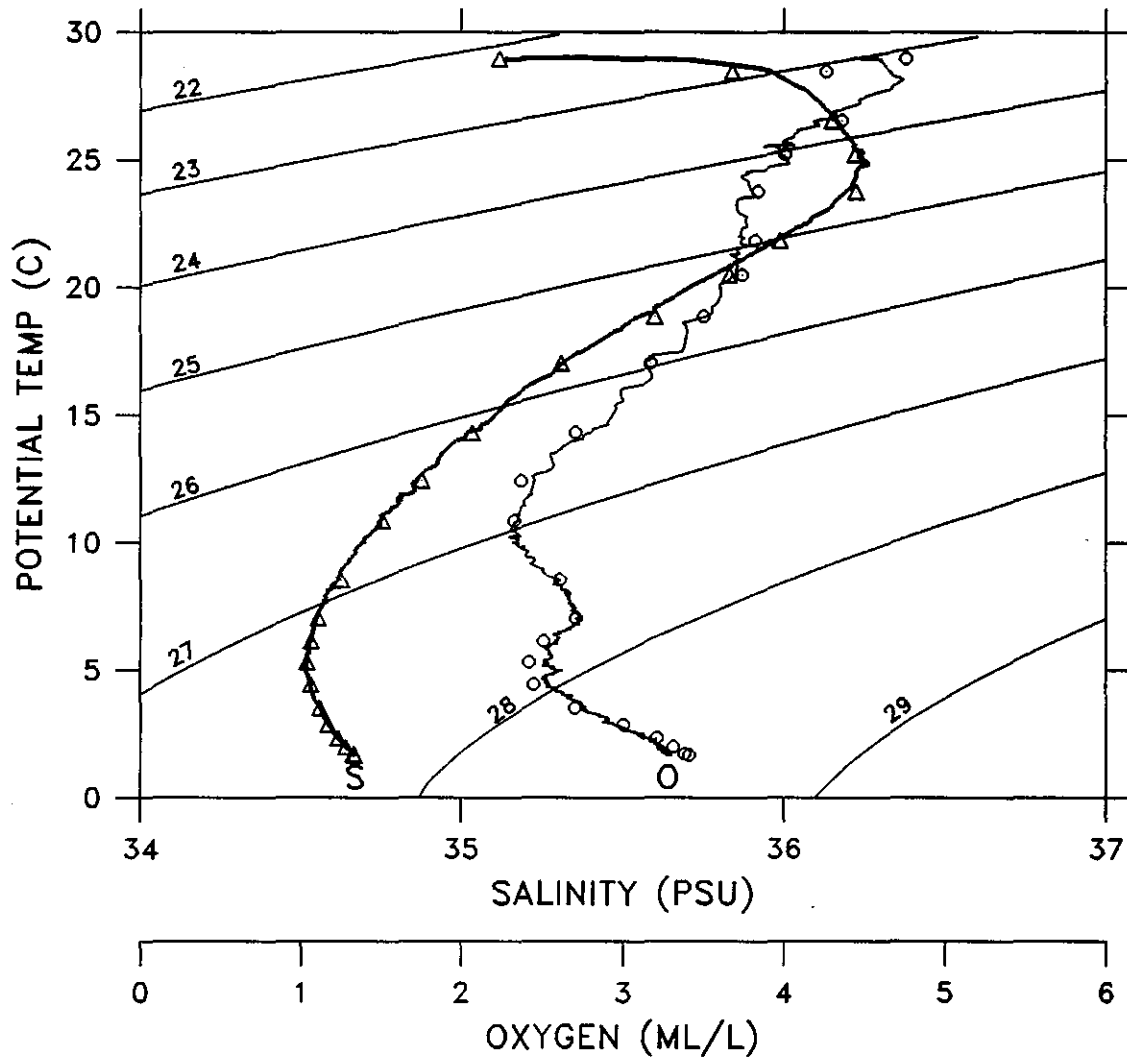


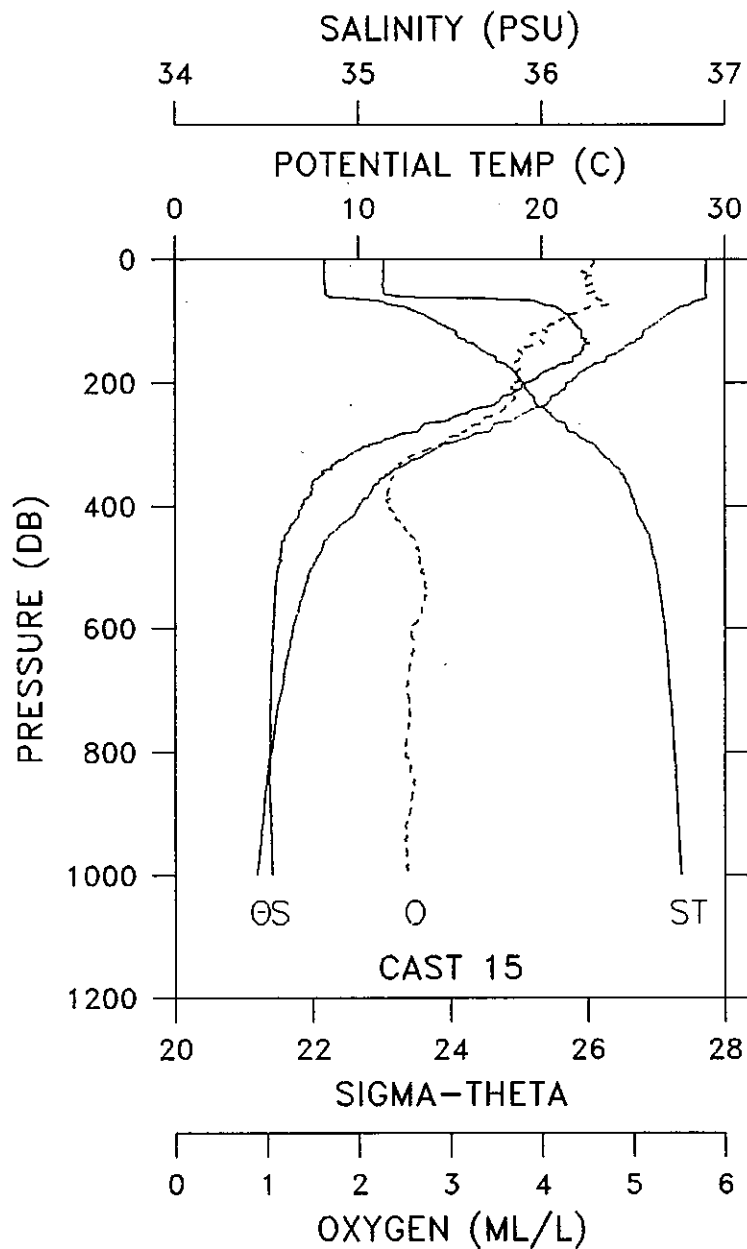


CAST TW2-87-OC-014 DATE 11 JUN 87 TIME 0220 GMT
 LAT 12 00.4S LONG 160 59.8W WEATHER 1 SEA STATE 6
 BAROMETER 10 WIND DIR 110 T SPD 16 KT VISIBILITY 8
 CLOUD 6 AMOUNT 4 DRY 29.5 WET 26.0 DEPTH 2211 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.021	35.106	4.43	22.139	0.000
10	29.019	35.109	4.50	22.141	0.057
20	28.991	35.106	4.49	22.149	0.114
30	28.974	35.137	4.50	22.178	0.170
40	28.982	35.204	4.53	22.226	0.227
50	29.013	35.279	4.48	22.272	0.283
60	29.158	35.715	4.54	22.550	0.338
70	28.775	35.923	4.62	22.834	0.389
80	28.407	36.013	4.76	23.025	0.439
90	27.819	36.081	4.61	23.270	0.486
100	27.334	36.121	4.47	23.457	0.531
110	26.478	36.171	4.34	23.768	0.574
120	25.897	36.191	4.05	23.966	0.615
130	25.273	36.208	3.86	24.172	0.654
140	24.731	36.208	3.69	24.338	0.692
150	24.136	36.196	3.65	24.509	0.727
160	23.521	36.153	3.67	24.658	0.761
170	23.041	36.111	3.68	24.767	0.794
180	22.877	36.098	3.69	24.804	0.826
190	22.170	36.036	3.82	24.959	0.858
200	21.573	35.942	3.75	25.054	0.888
250	17.909	35.412	3.67	25.611	1.024
300	14.659	35.015	3.00	26.059	1.136
350	12.016	34.795	2.69	26.427	1.229
400	9.920	34.654	2.40	26.696	1.306
450	8.615	34.599	2.51	26.865	1.374
500	7.417	34.553	2.77	27.008	1.434
550	6.798	34.533	2.76	27.079	1.488
600	6.402	34.526	2.74	27.127	1.540
650	6.000	34.517	2.67	27.171	1.590
700	5.668	34.511	2.72	27.208	1.638
750	5.420	34.508	2.68	27.236	1.685
800	5.162	34.511	2.73	27.269	1.731
900	4.663	34.517	2.74	27.331	1.817
1000	4.313	34.526	2.69	27.376	1.899
1500	2.787	34.591	2.90	27.578	2.248
2000	2.046	34.637	3.20	27.677	2.528
2230	1.880	34.649	3.27	27.700	2.644

CAST TW2-87-0C-015 DATE 11 JUN 87 TIME 0926 GMT
LAT 11 59.2S LONG 162 01.0W

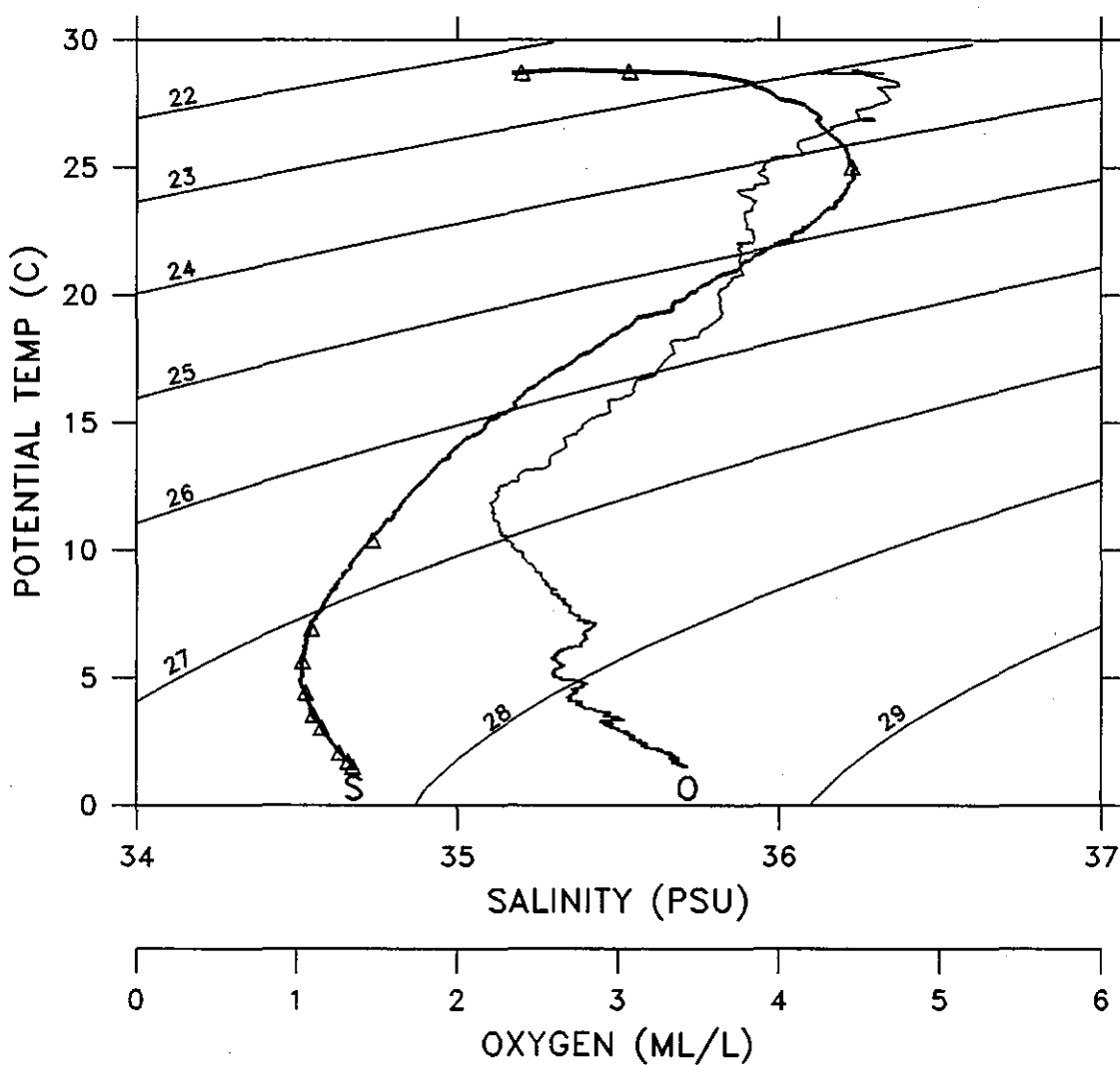


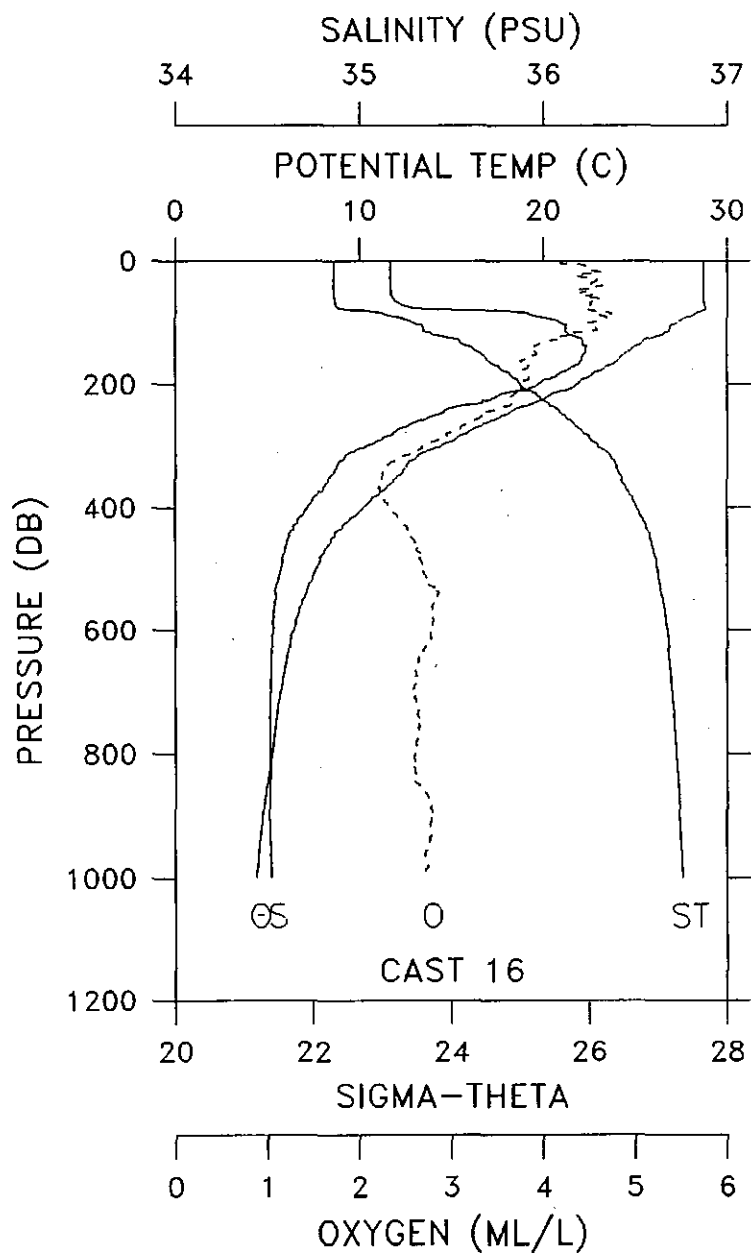


CAST TW2-87-OC-015 DATE 11 JUN 87 TIME 0926 GMT
 LAT 11 59.2S LONG 162 01.0W WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 110 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 9 DRY 28.5 WET 25.8 DEPTH 2495 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.996	35.139	4.57	22.172	0.000
10	28.996	35.139	4.55	22.172	0.056
20	28.988	35.137	4.43	22.174	0.113
30	28.979	35.137	4.49	22.176	0.170
40	28.948	35.133	4.56	22.184	0.226
50	28.944	35.138	4.59	22.189	0.283
60	28.989	35.210	4.53	22.228	0.339
70	28.264	35.983	4.69	23.050	0.391
80	27.434	36.094	4.49	23.405	0.437
90	26.841	36.145	4.30	23.634	0.481
100	26.383	36.171	4.22	23.799	0.524
110	25.904	36.197	4.06	23.969	0.564
120	25.553	36.216	3.89	24.092	0.603
130	25.243	36.244	3.98	24.209	0.642
140	24.603	36.229	3.88	24.393	0.679
150	24.184	36.218	3.78	24.510	0.714
160	23.544	36.170	3.77	24.664	0.748
170	22.844	36.100	3.73	24.815	0.781
180	22.317	36.033	3.74	24.915	0.813
190	21.880	35.979	3.73	24.997	0.843
200	21.397	35.909	3.72	25.078	0.873
250	18.945	35.566	3.54	25.469	1.014
300	14.570	35.060	2.88	26.113	1.131
350	11.437	34.793	2.39	26.535	1.220
400	10.018	34.690	2.32	26.707	1.295
450	8.353	34.594	2.59	26.902	1.362
500	7.499	34.563	2.67	27.004	1.421
550	6.907	34.545	2.71	27.073	1.476
600	6.427	34.535	2.62	27.130	1.528
650	6.085	34.525	2.59	27.167	1.578
700	5.819	34.522	2.53	27.198	1.626
750	5.469	34.517	2.55	27.237	1.673
800	5.235	34.519	2.52	27.267	1.719
900	4.823	34.521	2.55	27.316	1.806
1000	4.442	34.529	2.53	27.365	1.890
1500	2.959	34.580	2.88	27.554	2.247
2000	2.000	34.640	3.21	27.683	2.526
2488	1.668	34.667	3.28	27.730	2.763

CAST TW2-87-OC-016 DATE 11 JUN 87 TIME 1620 GMT
LAT 12 00.6S LONG 162 59.9W

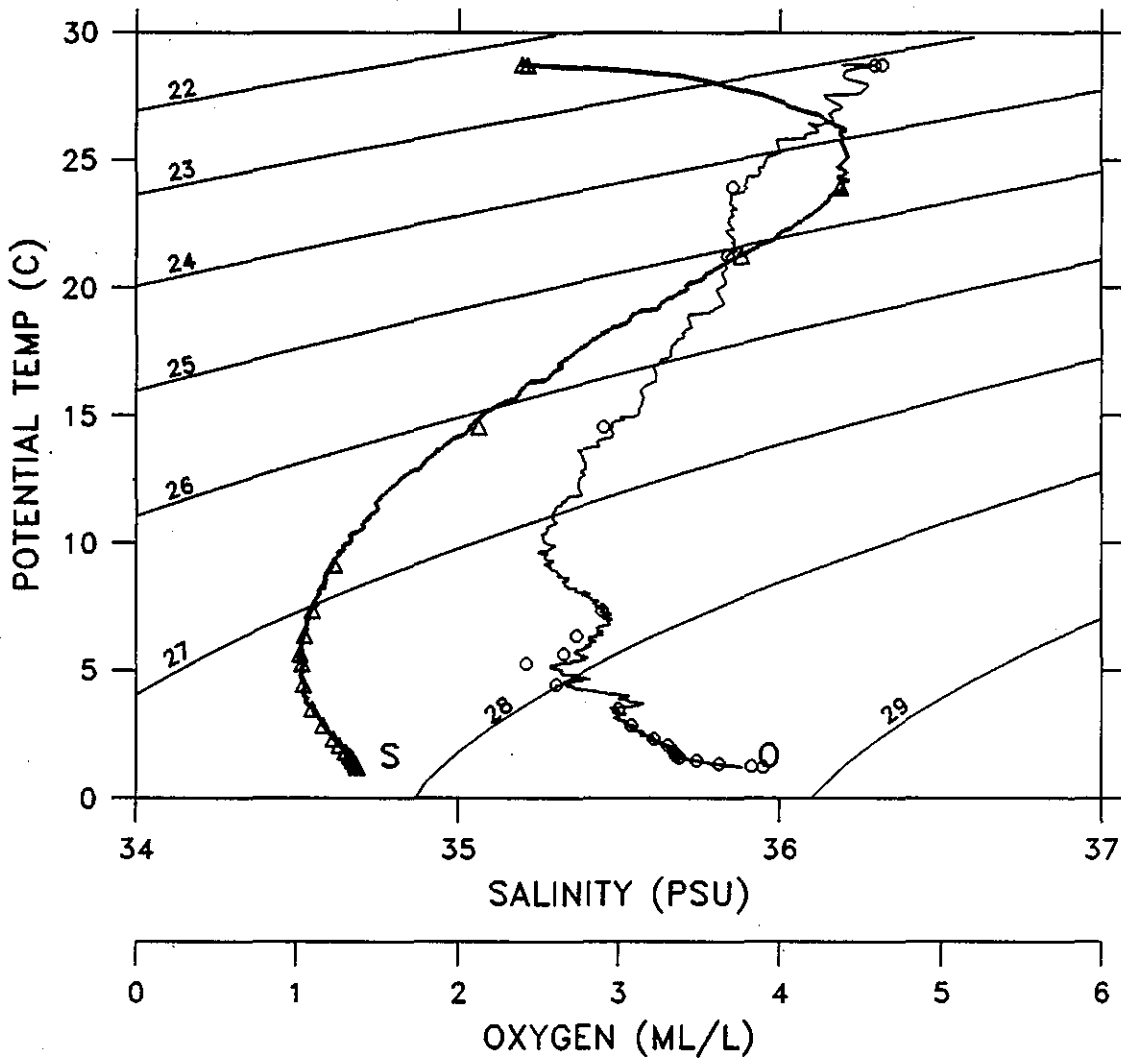


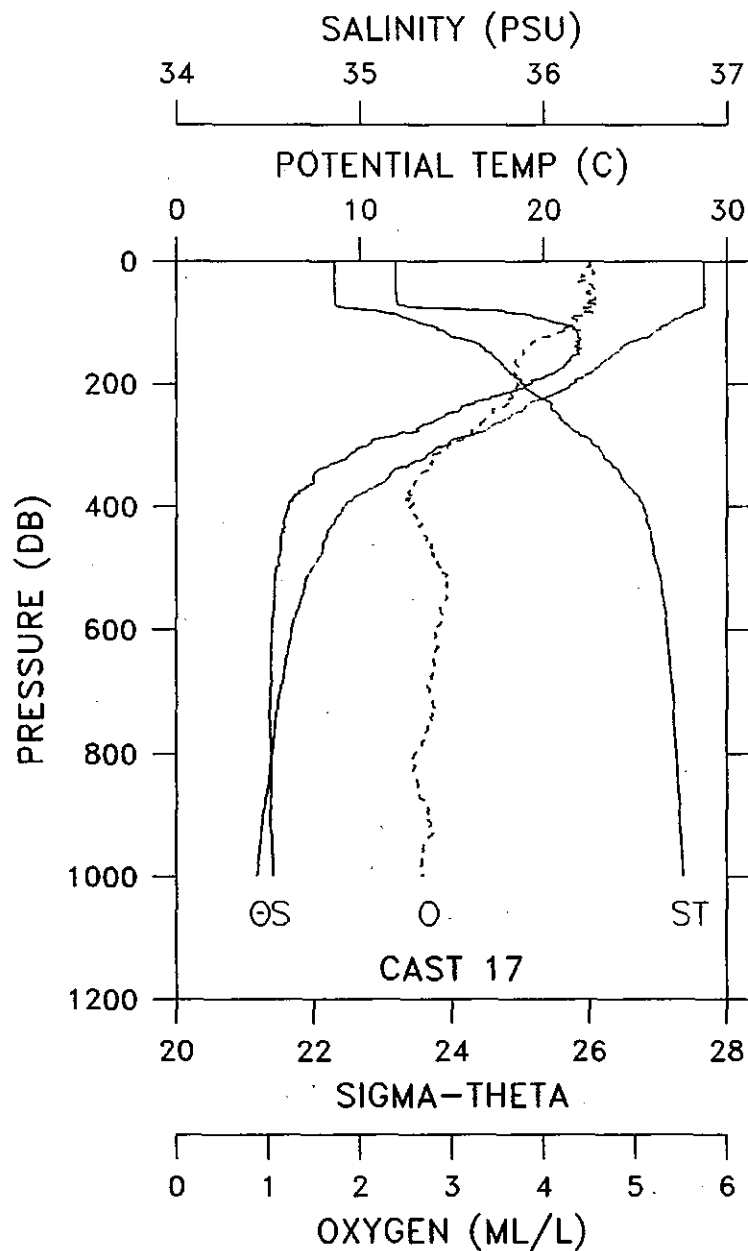


CAST TW2-87-OC-016 DATE 11 JUN 87 TIME 1620 GMT
 LAT 12 00.6S LONG 162 59.9W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 125 T SPD 10 KT VISIBILITY 8
 CLOUD 7 AMOUNT 6 DRY 27.6 WET 26.0 DEPTH 2991 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.700	35.167	4.18	22.292	0.000
10	28.703	35.168	4.47	22.292	0.055
20	28.704	35.168	4.53	22.291	0.111
30	28.708	35.169	4.58	22.290	0.166
40	28.708	35.168	4.65	22.290	0.222
50	28.708	35.171	4.43	22.292	0.277
60	28.701	35.182	4.55	22.303	0.333
70	28.755	35.224	4.52	22.316	0.388
80	28.727	35.708	4.50	22.689	0.443
90	27.950	35.973	4.65	23.145	0.492
100	27.248	36.097	4.48	23.467	0.538
110	26.899	36.127	4.59	23.601	0.582
120	26.384	36.153	4.29	23.785	0.624
130	25.451	36.213	4.06	24.122	0.664
140	24.905	36.228	3.92	24.301	0.702
150	24.499	36.225	3.93	24.421	0.738
160	24.119	36.208	3.77	24.523	0.773
170	23.567	36.176	3.84	24.662	0.808
180	22.836	36.097	3.80	24.815	0.841
190	22.299	36.041	3.84	24.926	0.872
200	21.864	35.971	3.75	24.995	0.903
250	17.760	35.409	3.35	25.645	1.039
300	14.423	35.035	2.68	26.125	1.149
350	11.994	34.835	2.24	26.463	1.237
400	10.237	34.720	2.35	26.693	1.315
450	8.476	34.611	2.58	26.896	1.381
500	7.628	34.573	2.69	26.993	1.441
550	6.929	34.543	2.83	27.069	1.496
600	6.424	34.529	2.77	27.126	1.549
650	6.051	34.523	2.66	27.170	1.598
700	5.730	34.518	2.60	27.206	1.647
750	5.463	34.514	2.66	27.236	1.693
800	5.258	34.516	2.60	27.262	1.739
900	4.754	34.513	2.79	27.317	1.827
1000	4.418	34.524	2.72	27.364	1.910
1500	2.957	34.582	3.00	27.555	2.265
2000	2.058	34.635	3.31	27.675	2.549
2500	1.721	34.664	3.35	27.724	2.795
2914	1.531	34.677	3.43	27.749	2.989

CAST TW2-87-OC-017 DATE 11 JUN 87 TIME 2310 GMT
LAT 12 00.5S LONG 164 00.1W

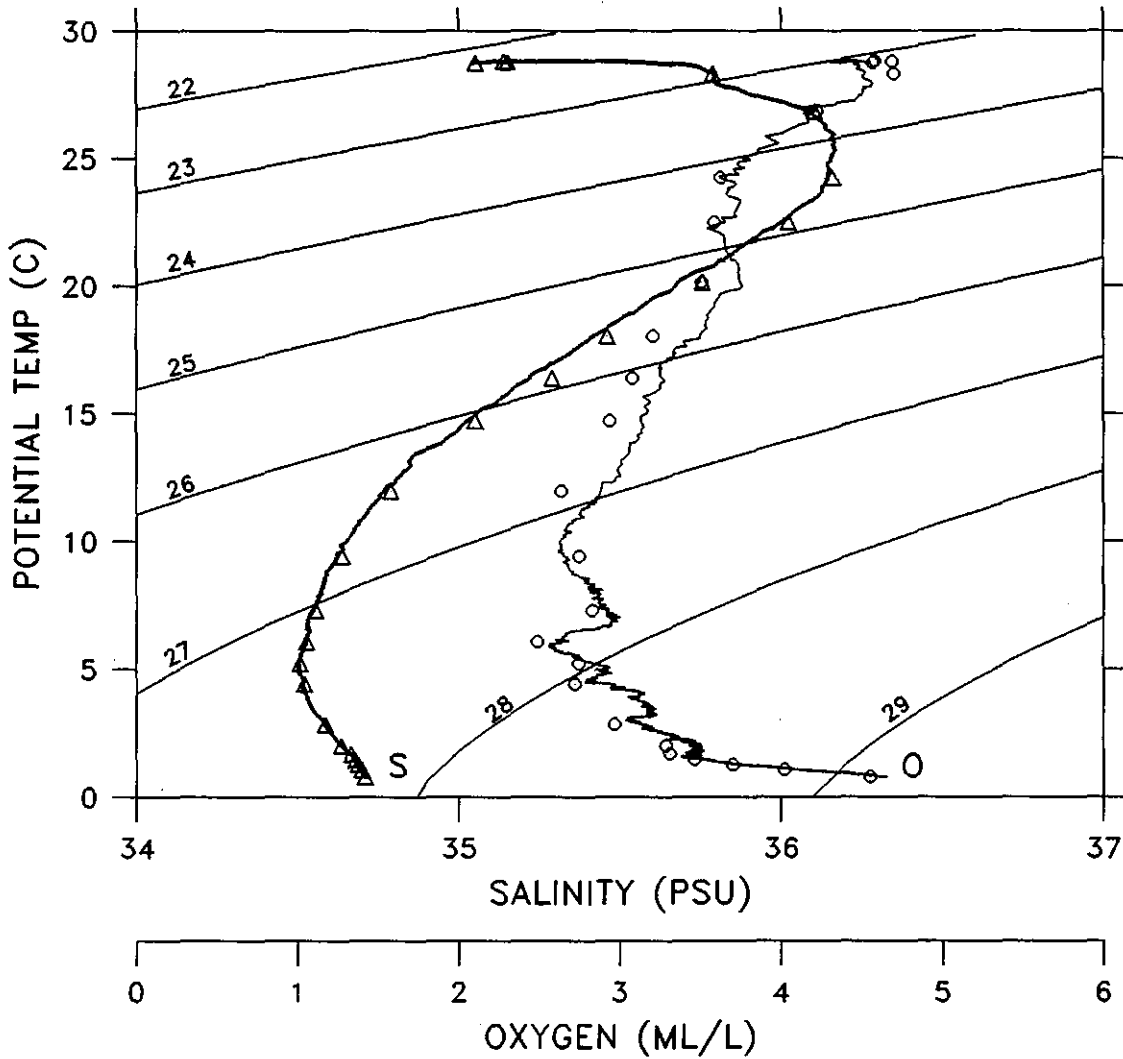




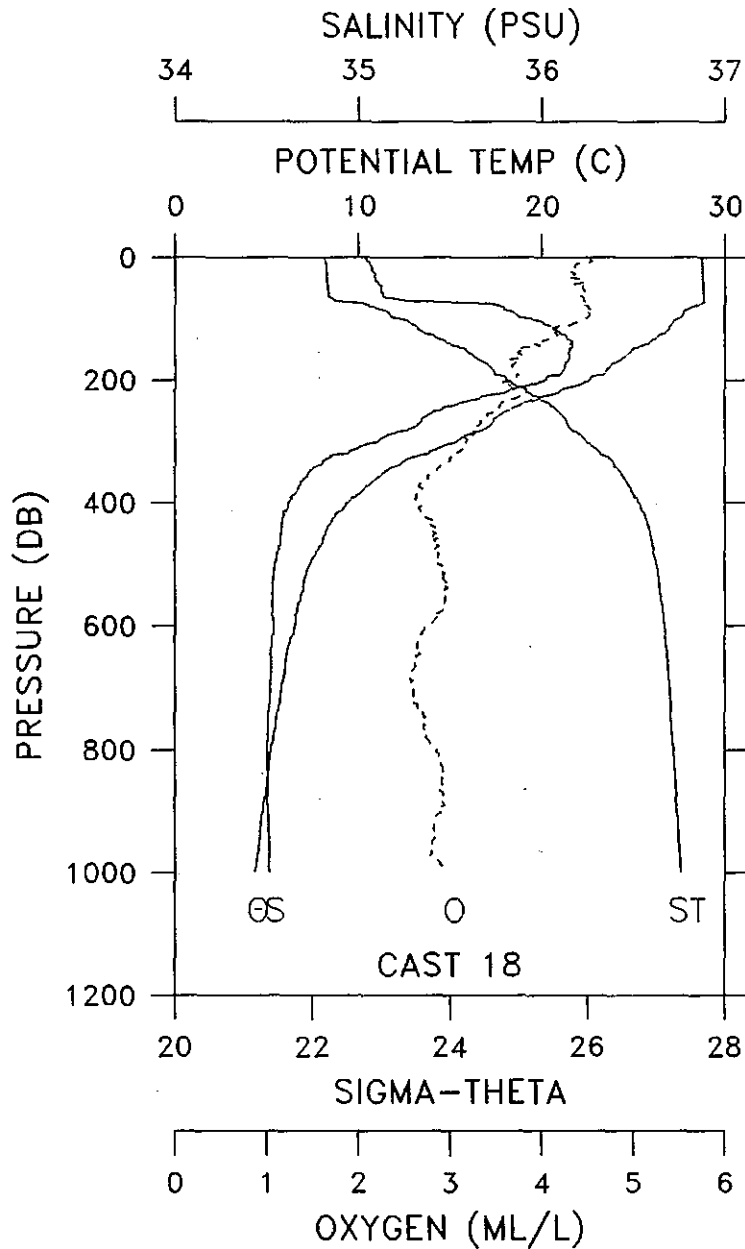
CAST TW2-87-0C-017 DATE 11 JUN 87 TIME 2310 GMT
 LAT 12 00.5S LONG 164 00.1W WEATHER 8 SEA STATE 4
 BAROMETER 11 WIND DIR 165 T SPD 10 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 27.2 WET 25.3 DEPTH 3535 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.743	35.195	4.51	22.299	0.000
10	28.738	35.196	4.45	22.301	0.055
20	28.743	35.195	4.56	22.298	0.111
30	28.744	35.195	4.46	22.298	0.166
40	28.742	35.195	4.53	22.299	0.221
50	28.740	35.196	4.47	22.300	0.277
60	28.740	35.198	4.56	22.302	0.332
70	28.738	35.207	4.56	22.309	0.388
80	28.204	35.741	4.40	22.887	0.441
90	27.543	35.950	4.27	23.261	0.489
100	26.900	36.083	4.32	23.568	0.534
110	26.400	36.165	4.20	23.789	0.577
120	25.868	36.191	4.16	23.976	0.617
130	24.980	36.197	3.92	24.254	0.656
140	24.285	36.181	3.80	24.452	0.692
150	23.896	36.191	3.79	24.576	0.727
160	23.493	36.146	3.70	24.661	0.760
170	23.120	36.116	3.73	24.747	0.793
180	22.668	36.069	3.69	24.842	0.826
190	22.035	35.991	3.69	24.963	0.857
200	21.555	35.922	3.73	25.045	0.887
250	18.309	35.465	3.41	25.553	1.024
300	14.711	35.043	2.96	26.069	1.138
350	11.629	34.745	2.65	26.462	1.229
400	9.172	34.611	2.53	26.786	1.303
450	8.202	34.572	2.74	26.908	1.367
500	7.411	34.548	2.91	27.005	1.426
550	6.793	34.535	2.94	27.081	1.480
600	6.313	34.523	2.84	27.135	1.532
650	5.970	34.515	2.80	27.174	1.582
700	5.638	34.511	2.75	27.212	1.630
750	5.411	34.513	2.76	27.240	1.676
800	5.211	34.518	2.59	27.269	1.722
900	4.744	34.514	2.74	27.319	1.809
1000	4.398	34.527	2.70	27.368	1.892
1500	2.886	34.584	3.07	27.563	2.245
2000	2.073	34.634	3.28	27.673	2.526
2500	1.691	34.666	3.35	27.728	2.771
3000	1.480	34.679	3.48	27.754	3.004
3500	1.256	34.689	3.74	27.778	3.226
3587	1.233	34.691	3.74	27.781	3.264

CAST TW2-87-OC-018 DATE 12 JUN 87 TIME 0915 GMT
LAT 11 59.1S LONG 164 59.6W

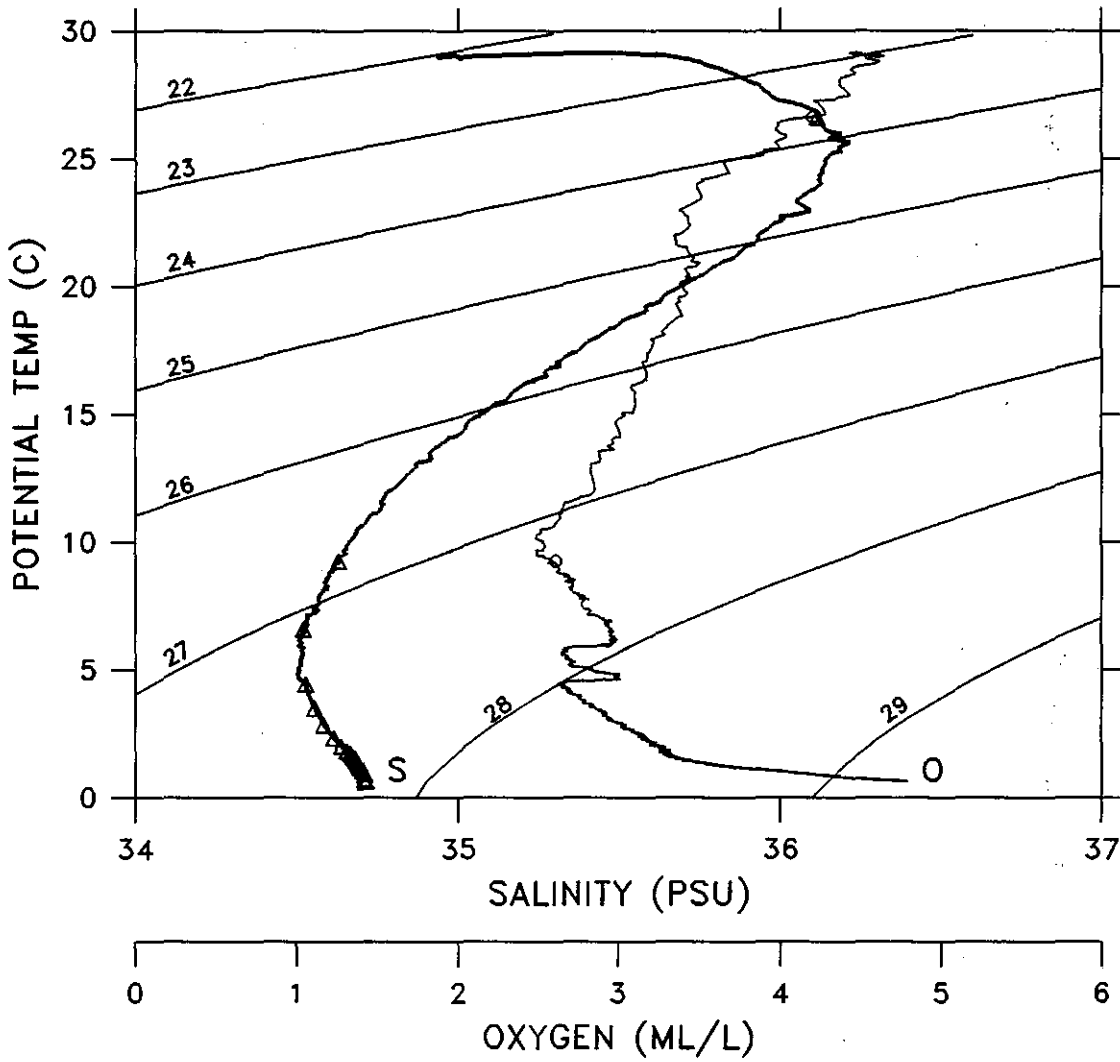


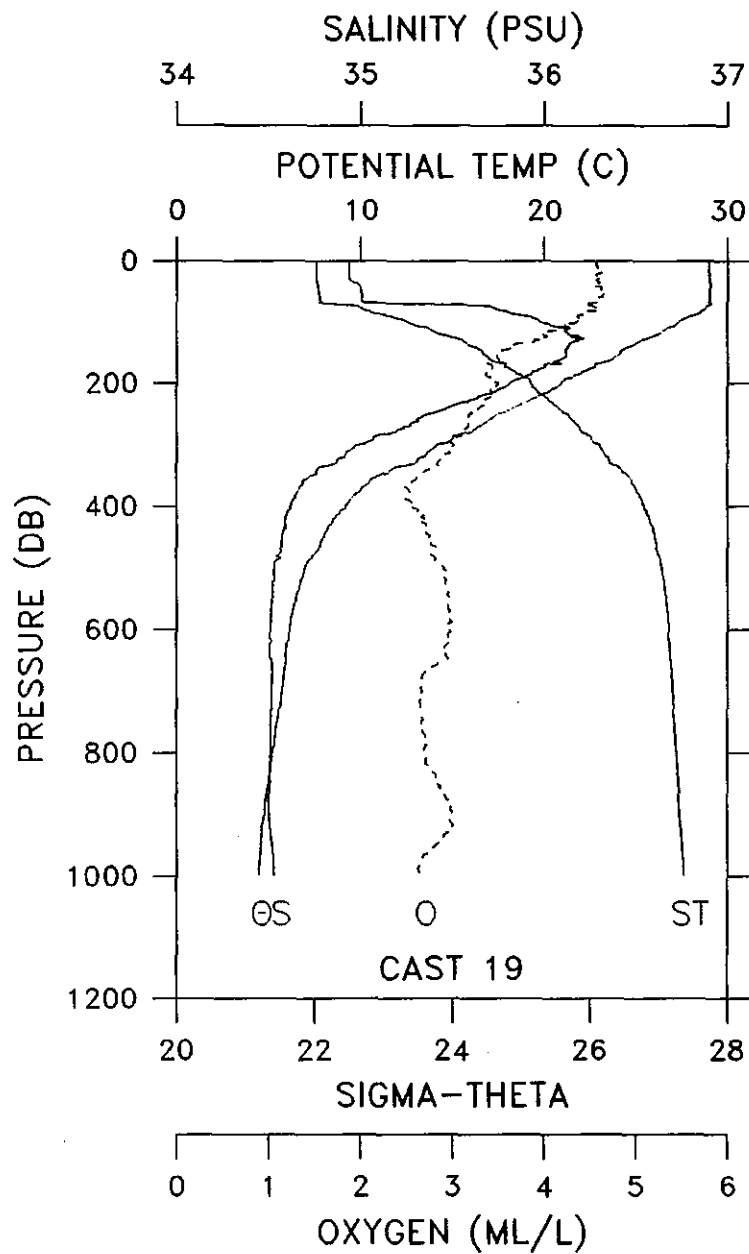
CAST TW2-87-0C-018 DATE 12 JUN 87 TIME 0915 GMT
 LAT 11 59.1S LONG 164 59.6W WEATHER 1 SEA STATE 4
 BAROMETER 10 WIND DIR 070 T SPD 20 KT VISIBILITY 7
 CLOUD 6 AMOUNT 4 DRY 27.0 WET 25.0 DEPTH 4443 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.758	35.042	4.53	22.178	0.000
10	28.759	35.063	4.37	22.194	0.056
20	28.773	35.072	4.35	22.196	0.113
30	28.791	35.089	4.33	22.203	0.169
40	28.816	35.109	4.45	22.209	0.225
50	28.819	35.121	4.45	22.218	0.282
60	28.814	35.132	4.41	22.228	0.338
70	28.815	35.266	4.45	22.328	0.394
80	28.327	35.796	4.52	22.888	0.446
90	27.766	35.854	4.51	23.116	0.495
100	27.361	35.953	4.47	23.322	0.542
110	27.060	36.039	4.26	23.483	0.587
120	26.816	36.091	4.18	23.601	0.631
130	26.312	36.137	4.11	23.796	0.674
140	25.841	36.154	3.91	23.956	0.714
150	24.949	36.155	3.81	24.232	0.753
160	24.567	36.155	3.71	24.347	0.790
170	24.062	36.137	3.72	24.485	0.825
180	23.623	36.121	3.66	24.604	0.860
190	23.366	36.100	3.74	24.663	0.894
200	22.581	36.007	3.65	24.820	0.926
250	18.027	35.412	3.50	25.582	1.067
300	15.279	35.086	3.16	25.977	1.183
350	11.461	34.734	2.81	26.484	1.275
400	9.405	34.618	2.66	26.754	1.350
450	8.185	34.579	2.84	26.915	1.414
500	7.380	34.548	2.87	27.009	1.473
550	6.871	34.531	2.98	27.067	1.528
600	6.517	34.535	2.76	27.118	1.580
650	6.080	34.525	2.65	27.167	1.630
700	5.789	34.520	2.60	27.200	1.679
750	5.532	34.509	2.74	27.223	1.726
800	5.219	34.502	2.86	27.255	1.773
900	4.812	34.507	2.89	27.306	1.861
1000	4.360	34.518	2.97	27.365	1.945
1500	2.878	34.583	3.12	27.563	2.300
2000	2.031	34.635	3.47	27.677	2.581
2500	1.688	34.665	3.43	27.727	2.825
3000	1.478	34.676	3.50	27.752	3.057
3500	1.276	34.687	3.74	27.775	3.282
4000	1.068	34.698	4.10	27.798	3.500
4414	0.797	34.709	4.61	27.825	3.669

CAST TW2-87-OC-019 DATE 12 JUN 87 TIME 1900 GMT
LAT 12 00.7S LONG 166 00.3W



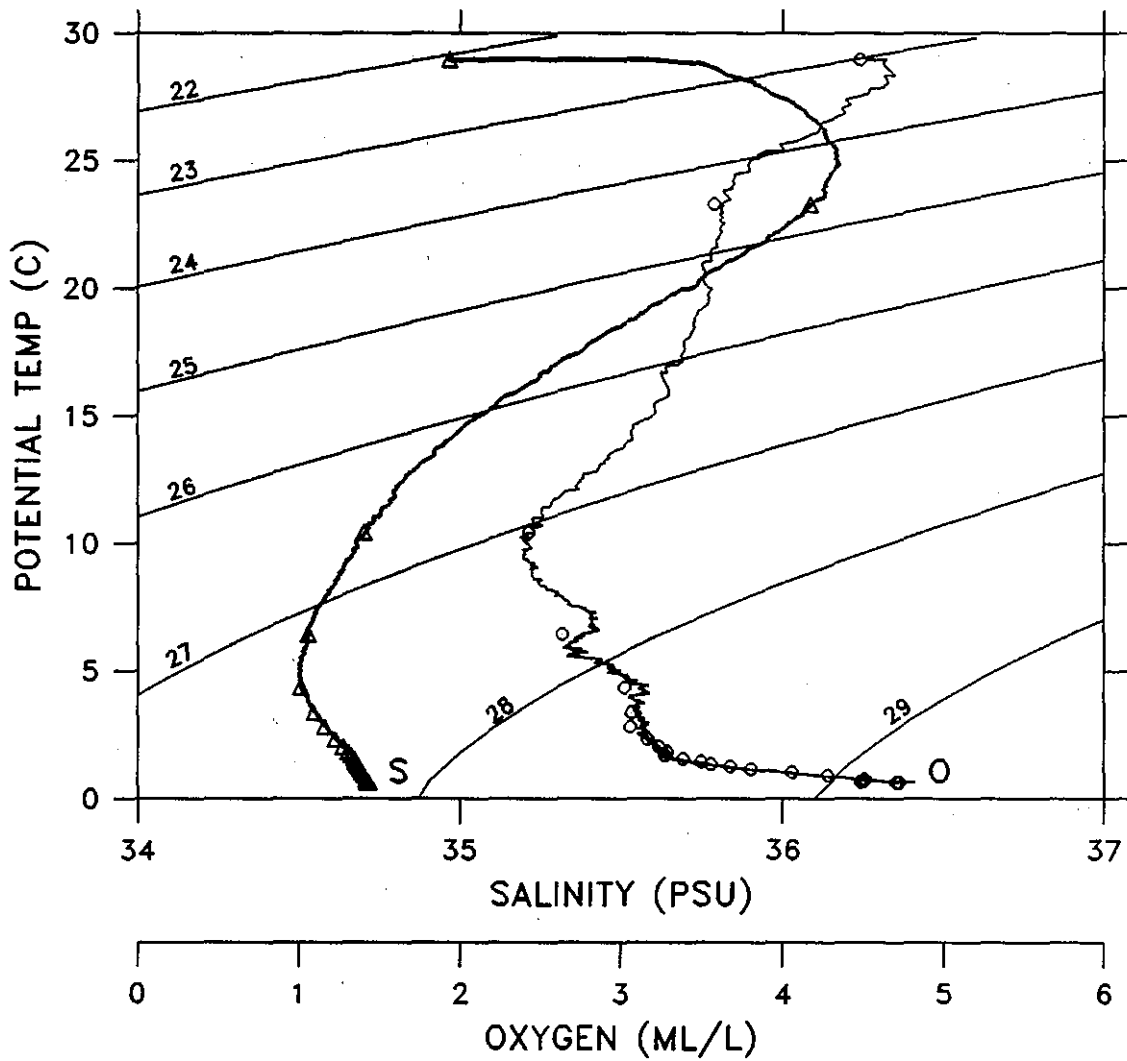


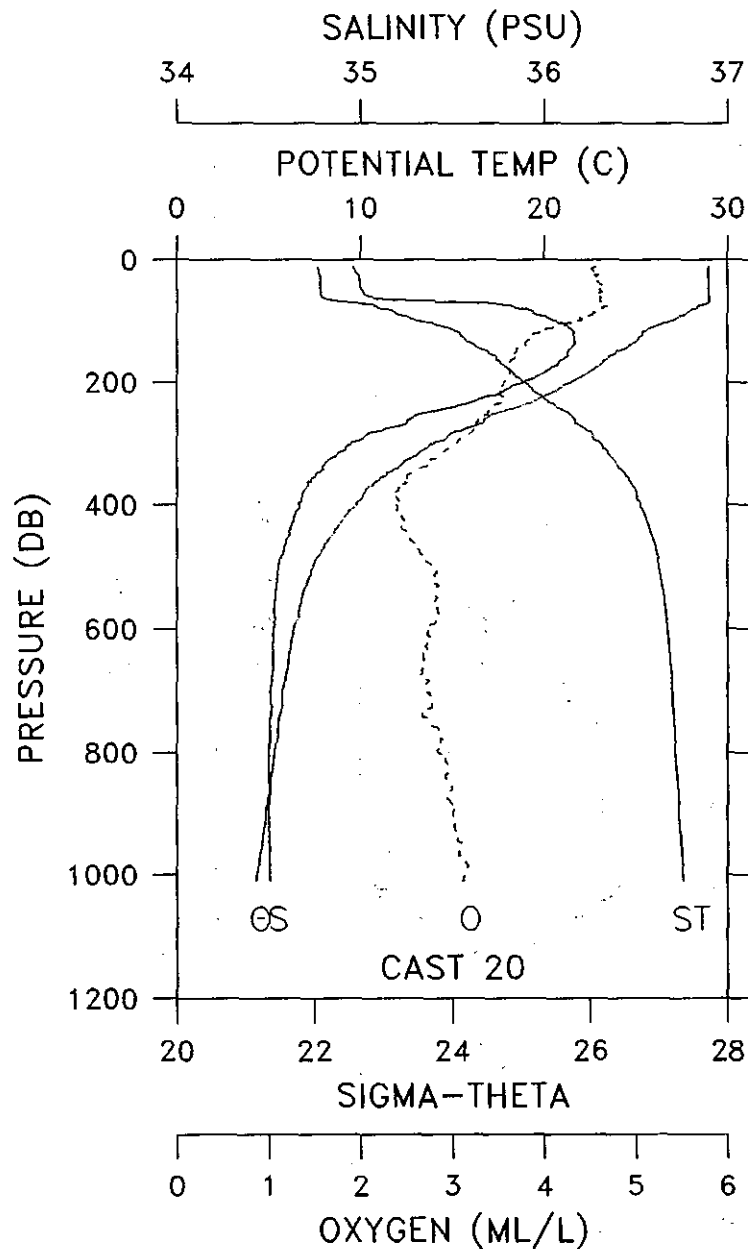
CAST TW2-87-OC-019 DATE 12 JUN 87 TIME 1900 GMT
 LAT 12 00.7S LONG 166 00.3W WEATHER 6 SEA STATE 3
 BAROMETER 10 WIND DIR 075 T SPD 15 KT VISIBILITY 6
 CLOUD 7 AMOUNT 8 DRY 26.0 WET 24.5 DEPTH 5619 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.988	34.937	4.57	22.023	0.000
10	28.990	34.937	4.58	22.023	0.058
20	28.992	34.938	4.60	22.022	0.116
30	28.991	34.939	4.57	22.024	0.174
40	29.050	34.991	4.55	22.043	0.232
50	29.036	35.001	4.64	22.055	0.290
60	28.990	35.006	4.58	22.075	0.348
70	29.153	35.305	4.43	22.244	0.405
80	28.741	35.761	4.59	22.725	0.458
90	28.022	35.908	4.37	23.073	0.508
100	27.350	35.986	4.34	23.350	0.555
110	26.720	36.115	4.28	23.649	0.599
120	26.195	36.135	3.98	23.831	0.641
130	25.295	36.193	3.90	24.154	0.681
140	24.638	36.128	3.67	24.306	0.719
150	24.171	36.118	3.53	24.439	0.755
160	23.780	36.096	3.50	24.539	0.790
170	22.752	36.007	3.42	24.771	0.823
180	22.277	35.967	3.43	24.876	0.855
190	21.497	35.890	3.43	25.036	0.886
200	20.908	35.812	3.50	25.139	0.915
250	17.462	35.369	3.20	25.688	1.048
300	14.126	34.979	3.02	26.145	1.159
350	11.107	34.730	2.64	26.546	1.248
400	9.199	34.617	2.56	26.787	1.320
450	7.977	34.572	2.75	26.942	1.382
500	6.993	34.532	2.92	27.052	1.439
550	6.489	34.518	2.96	27.108	1.492
600	6.136	34.509	2.97	27.147	1.542
650	5.950	34.518	2.94	27.179	1.591
700	5.731	34.517	2.67	27.205	1.639
750	5.490	34.514	2.67	27.232	1.686
800	5.204	34.511	2.69	27.264	1.732
900	4.796	34.505	3.00	27.306	1.820
1000	4.441	34.526	2.64	27.363	1.903
1500	2.847	34.586	3.05	27.568	2.258
2000	2.021	34.639	3.24	27.681	2.536
2500	1.663	34.668	3.30	27.732	2.778
3000	1.467	34.679	3.40	27.755	3.009
3500	1.280	34.687	3.60	27.775	3.234
4000	1.090	34.697	3.90	27.796	3.453
4500	0.815	34.709	4.37	27.823	3.659
5000	0.676	34.713	4.64	27.835	3.852
5687	0.655	34.712	4.75	27.836	4.126

CAST TW2-87-OC-020 DATE 13 JUN 87 TIME 0257 GMT

LAT 11 59.6S LONG 167 00.3W



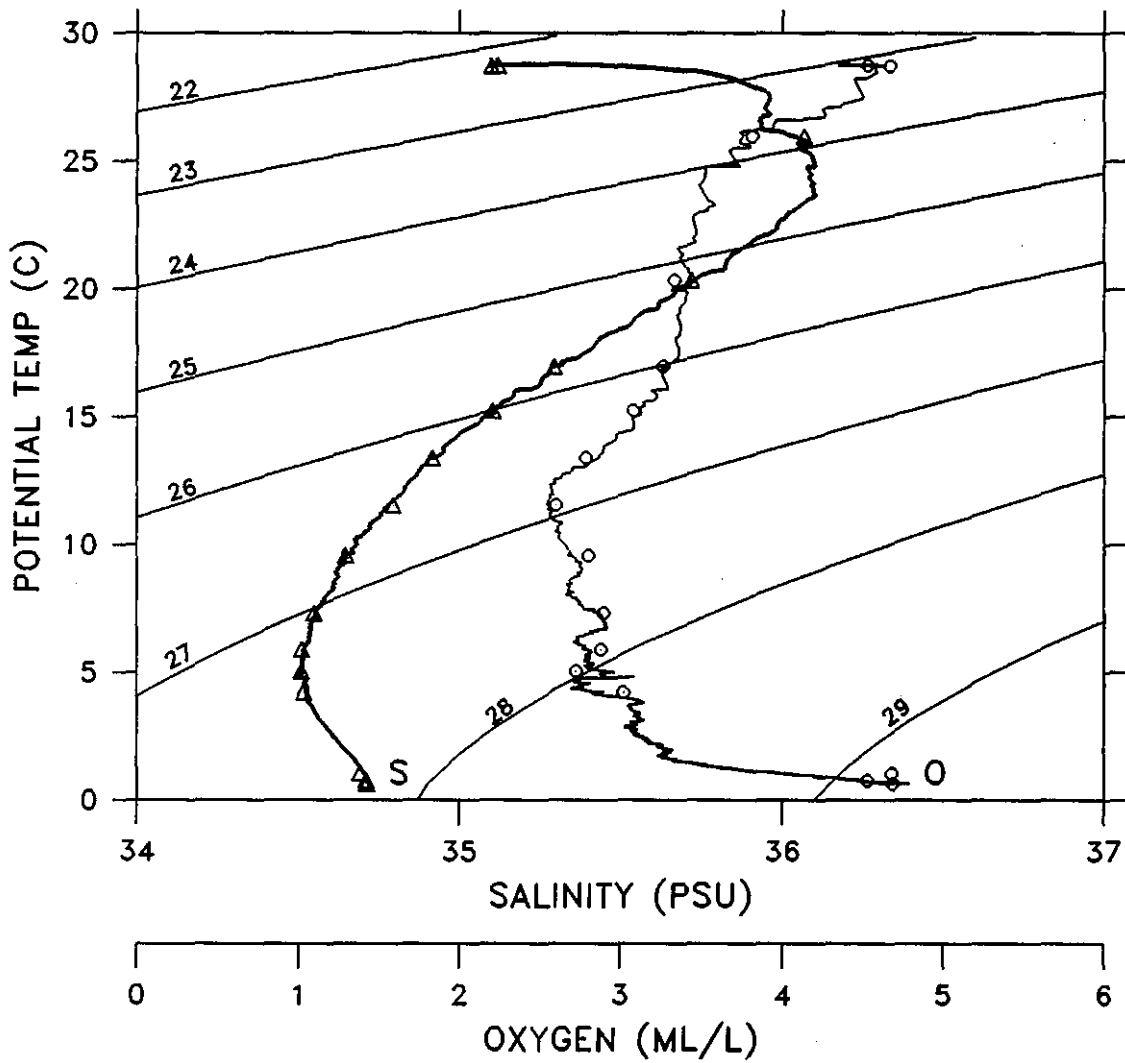


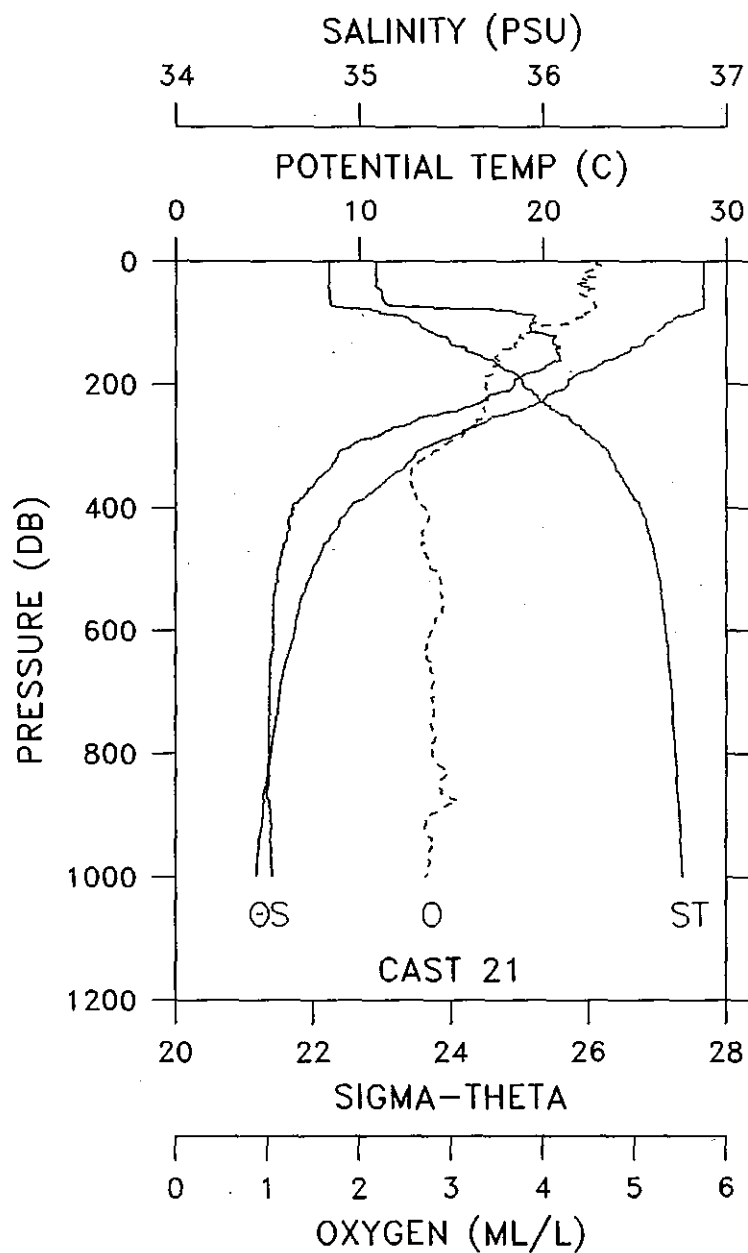
CAST TW2-87-OC-020 DATE 13 JUN 87 TIME 0257 GMT
 LAT 11 59.6S LONG 167 00.3W WEATHER 2 SEA STATE 4
 BAROMETER 07 WIND DIR 045 T SPD 08 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 28.0 WET 26.3 DEPTH 5558 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
11	28.981	34.963	4.56	22.045	0.000
12	28.977	34.963	4.54	22.046	0.006
20	28.955	34.976	4.60	22.063	0.052
30	28.952	34.995	4.56	22.079	0.109
40	28.948	34.997	4.61	22.081	0.167
50	28.966	35.011	4.61	22.086	0.224
60	28.974	35.037	4.61	22.103	0.282
70	28.907	35.660	4.63	22.593	0.338
80	28.071	35.913	4.65	23.061	0.388
90	27.613	35.962	4.52	23.247	0.436
100	26.923	36.071	4.38	23.552	0.481
110	25.946	36.135	4.15	23.909	0.523
120	25.345	36.161	3.88	24.115	0.562
130	25.109	36.163	3.85	24.189	0.600
140	24.601	36.155	3.80	24.337	0.637
150	23.922	36.125	3.69	24.518	0.673
160	23.473	36.106	3.68	24.637	0.707
170	23.107	36.073	3.63	24.718	0.741
180	22.573	36.020	3.62	24.832	0.773
190	22.037	35.961	3.60	24.939	0.804
200	21.443	35.891	3.55	25.052	0.835
250	17.392	35.354	3.38	25.693	0.971
300	13.963	34.949	3.03	26.156	1.079
350	11.437	34.757	2.53	26.507	1.168
400	9.763	34.667	2.39	26.732	1.242
450	8.442	34.609	2.49	26.900	1.307
500	7.441	34.555	2.76	27.006	1.366
550	6.818	34.536	2.84	27.078	1.420
600	6.386	34.529	2.77	27.131	1.472
650	6.069	34.522	2.69	27.166	1.522
700	5.762	34.510	2.71	27.195	1.571
750	5.521	34.504	2.77	27.220	1.619
800	5.328	34.501	2.86	27.241	1.665
900	4.853	34.501	3.00	27.297	1.755
1000	4.372	34.507	3.14	27.354	1.839
1500	2.808	34.584	3.15	27.570	2.193
2000	2.034	34.638	3.21	27.679	2.470
2500	1.684	34.665	3.27	27.728	2.714
3000	1.446	34.679	3.44	27.756	2.944
3500	1.258	34.689	3.63	27.778	3.166
4000	1.057	34.699	3.98	27.800	3.383
4500	0.767	34.710	4.45	27.828	3.585
5000	0.671	34.713	4.67	27.836	3.776
5617	0.655	34.712	4.78	27.836	4.021

CAST TW2-87-OC-021 DATE 13 JUN 87 TIME 1147 GMT

LAT 11 59.7S LONG 167 59.3W

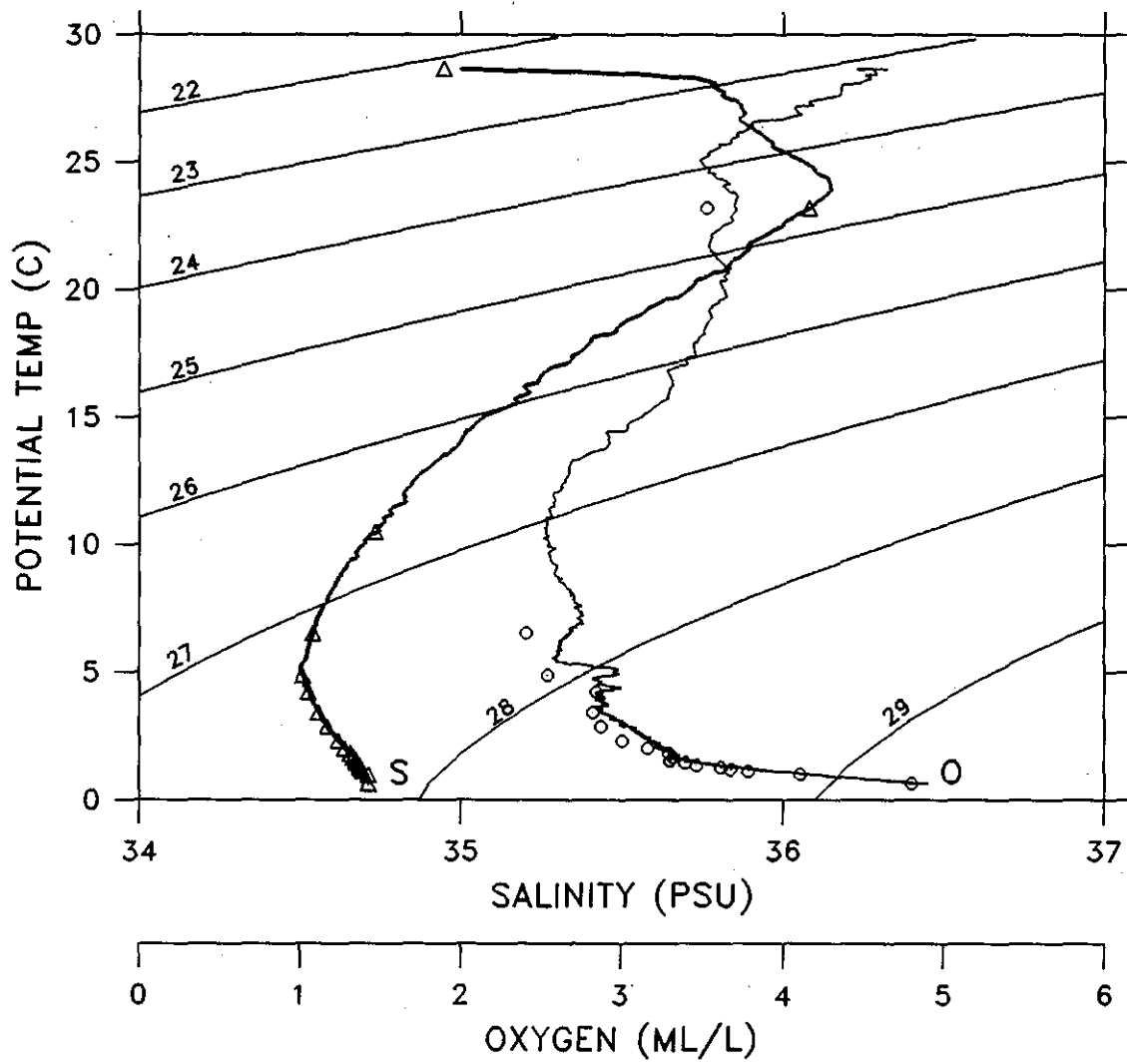




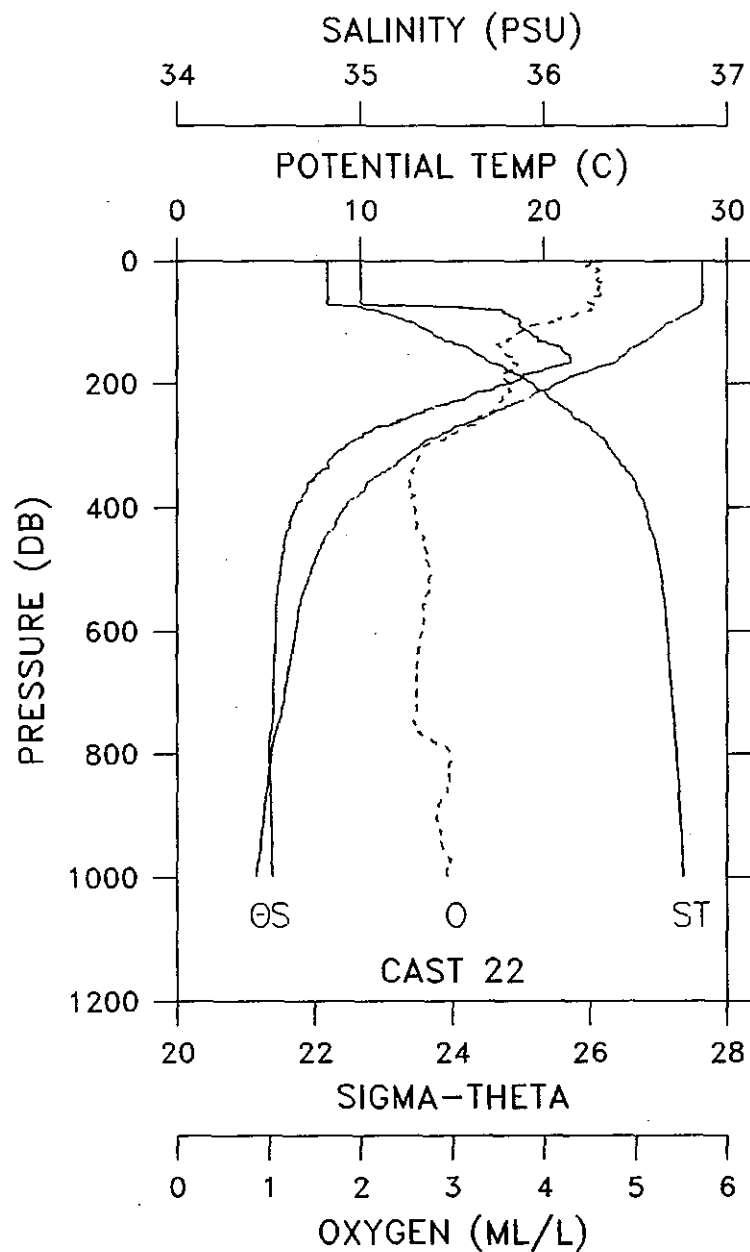
CAST TW2-87-OC-021 DATE 13 JUN 87 TIME 1147 GMT
 LAT 11 59.7S LONG 167 59.3W WEATHER 6 SEA STATE 5
 BAROMETER 10 WIND DIR 110 T SPD 30 KT VISIBILITY 6
 CLOUD 9 AMOUNT 8 DRY 26.0 WET 24.5 DEPTH 5430 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.740	35.090	4.58	22.220	0.000
10	28.735	35.088	4.57	22.220	0.056
20	28.731	35.088	4.42	22.222	0.112
30	28.736	35.089	4.46	22.222	0.168
40	28.736	35.090	4.43	22.222	0.224
50	28.763	35.121	4.48	22.236	0.281
60	28.765	35.126	4.52	22.239	0.337
70	28.775	35.147	4.56	22.252	0.393
80	28.485	35.754	4.59	22.804	0.447
90	27.427	35.959	4.50	23.305	0.495
100	26.828	35.962	4.27	23.499	0.541
110	26.475	35.933	3.95	23.590	0.584
120	26.024	36.018	3.75	23.796	0.627
130	25.543	36.050	3.78	23.970	0.667
140	24.812	36.099	3.73	24.232	0.707
150	24.466	36.084	3.52	24.325	0.744
160	23.882	36.095	3.50	24.507	0.780
170	22.992	36.024	3.50	24.715	0.813
180	22.159	35.956	3.47	24.901	0.846
190	21.568	35.872	3.35	25.003	0.876
200	21.356	35.842	3.38	25.039	0.906
250	17.664	35.409	3.36	25.669	1.044
300	13.840	34.949	2.90	26.182	1.152
350	11.670	34.787	2.55	26.487	1.240
400	9.456	34.646	2.72	26.767	1.315
450	8.416	34.605	2.67	26.901	1.379
500	7.453	34.556	2.81	27.006	1.438
550	6.843	34.533	2.90	27.072	1.493
600	6.489	34.532	2.79	27.120	1.545
650	6.036	34.518	2.79	27.167	1.595
700	5.679	34.512	2.79	27.207	1.643
750	5.470	34.509	2.78	27.230	1.690
800	5.197	34.508	2.79	27.263	1.736
900	4.767	34.520	2.77	27.321	1.823
1000	4.401	34.526	2.71	27.367	1.906
1500	2.801	34.587	3.09	27.574	2.257
2000	2.009	34.639	3.29	27.682	2.533
2500	1.677	34.667	3.27	27.730	2.774
3000	1.463	34.679	3.43	27.755	3.004
3500	1.276	34.688	3.60	27.776	3.228
4000	1.055	34.700	3.98	27.801	3.445
4500	0.783	34.710	4.44	27.827	3.646
5000	0.669	34.713	4.67	27.836	3.837
5472	0.651	34.712	4.75	27.837	4.023

CAST TW2-87-OC-022 DATE 13 JUN 87 TIME 2238 GMT
LAT 11 59.9S LONG 168 58.7W

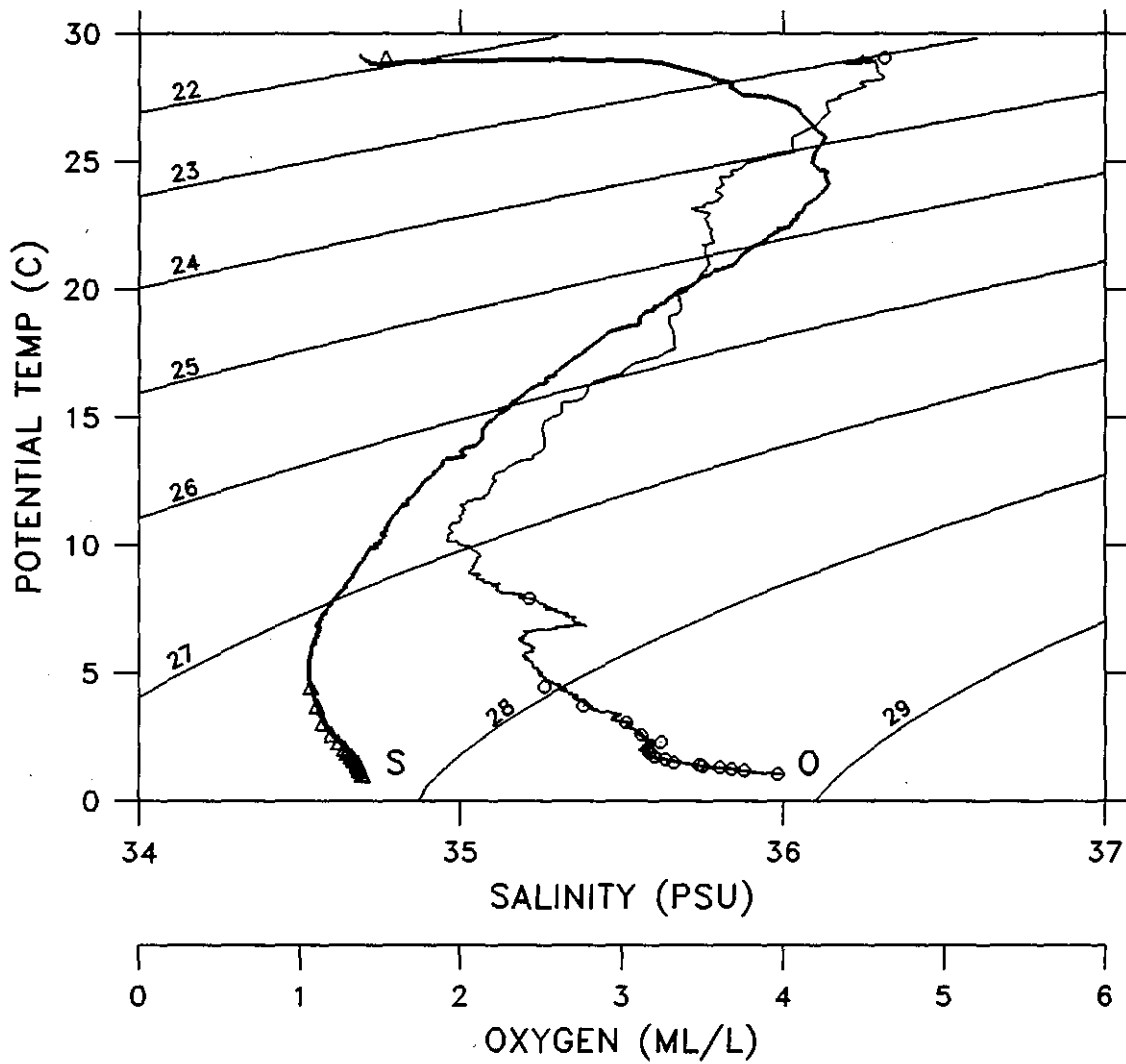


CAST TW2-87-OC-022 DATE 13 JUN 87 TIME 2238 GMT
 LAT 11 59.9S LONG 168 58.7W WEATHER 1 SEA STATE 7
 BAROMETER 09 WIND DIR 065 T SPD 18 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 DRY 28.4 WET 26.2 DEPTH 5309 M

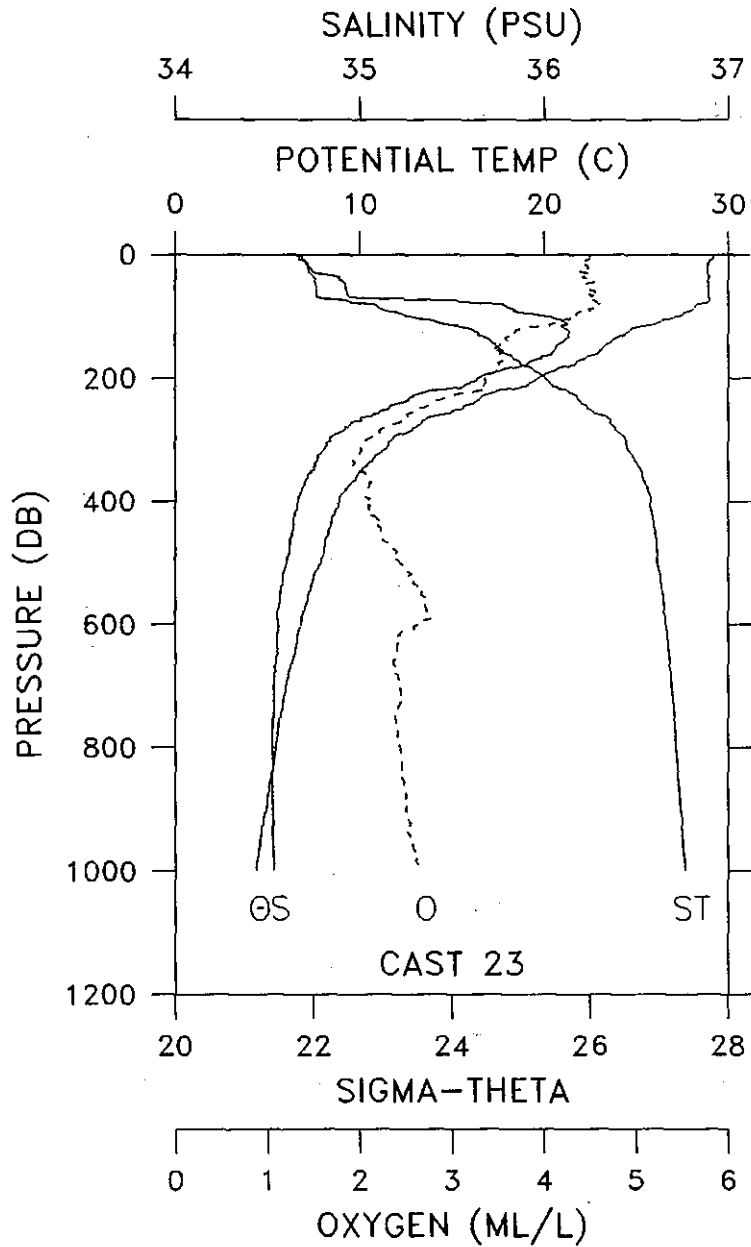


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.641	35.002	4.51	22.187	0.000
10	28.638	35.001	4.53	22.188	0.056
20	28.639	35.000	4.57	22.187	0.113
30	28.639	35.001	4.58	22.187	0.169
40	28.639	35.001	4.59	22.187	0.226
50	28.642	35.002	4.60	22.187	0.282
60	28.643	35.004	4.54	22.188	0.339
70	28.643	35.008	4.55	22.191	0.395
80	28.278	35.735	4.54	22.858	0.448
90	27.559	35.822	4.30	23.159	0.497
100	26.843	35.878	4.11	23.432	0.544
110	26.462	35.887	3.79	23.559	0.588
120	26.027	35.936	3.71	23.733	0.631
130	25.608	35.964	3.61	23.885	0.672
140	24.828	36.089	3.52	24.219	0.711
150	24.548	36.107	3.58	24.317	0.748
160	24.089	36.143	3.63	24.483	0.784
170	23.415	36.099	3.70	24.648	0.819
180	22.434	35.985	3.62	24.845	0.851
190	21.434	35.878	3.57	25.045	0.882
200	20.724	35.810	3.66	25.187	0.911
250	17.010	35.298	3.37	25.741	1.041
300	13.303	34.924	2.72	26.273	1.144
350	10.814	34.758	2.54	26.621	1.227
400	9.216	34.646	2.59	26.806	1.298
450	8.035	34.591	2.69	26.947	1.360
500	7.314	34.563	2.76	27.031	1.417
550	6.766	34.544	2.71	27.092	1.471
600	6.445	34.538	2.66	27.130	1.523
650	6.167	34.530	2.62	27.160	1.573
700	5.846	34.523	2.60	27.196	1.622
750	5.520	34.519	2.60	27.233	1.670
800	5.135	34.501	2.97	27.264	1.715
900	4.740	34.514	2.83	27.320	1.802
1000	4.311	34.523	2.95	27.374	1.885
1500	2.847	34.587	3.07	27.569	2.236
2000	2.049	34.638	3.25	27.677	2.513
2500	1.690	34.666	3.34	27.728	2.758
3000	1.447	34.680	3.53	27.757	2.988
3500	1.273	34.689	3.71	27.777	3.211
4000	1.118	34.697	3.97	27.794	3.430
4500	0.796	34.714	4.60	27.829	3.636
5000	0.657	34.714	4.82	27.837	3.826
5300	0.647	34.713	4.85	27.837	3.942

CAST TW2-87-OC-023 DATE 14 JUN 87 TIME 1121 GMT
LAT 10 04.4S LONG 168 44.7W

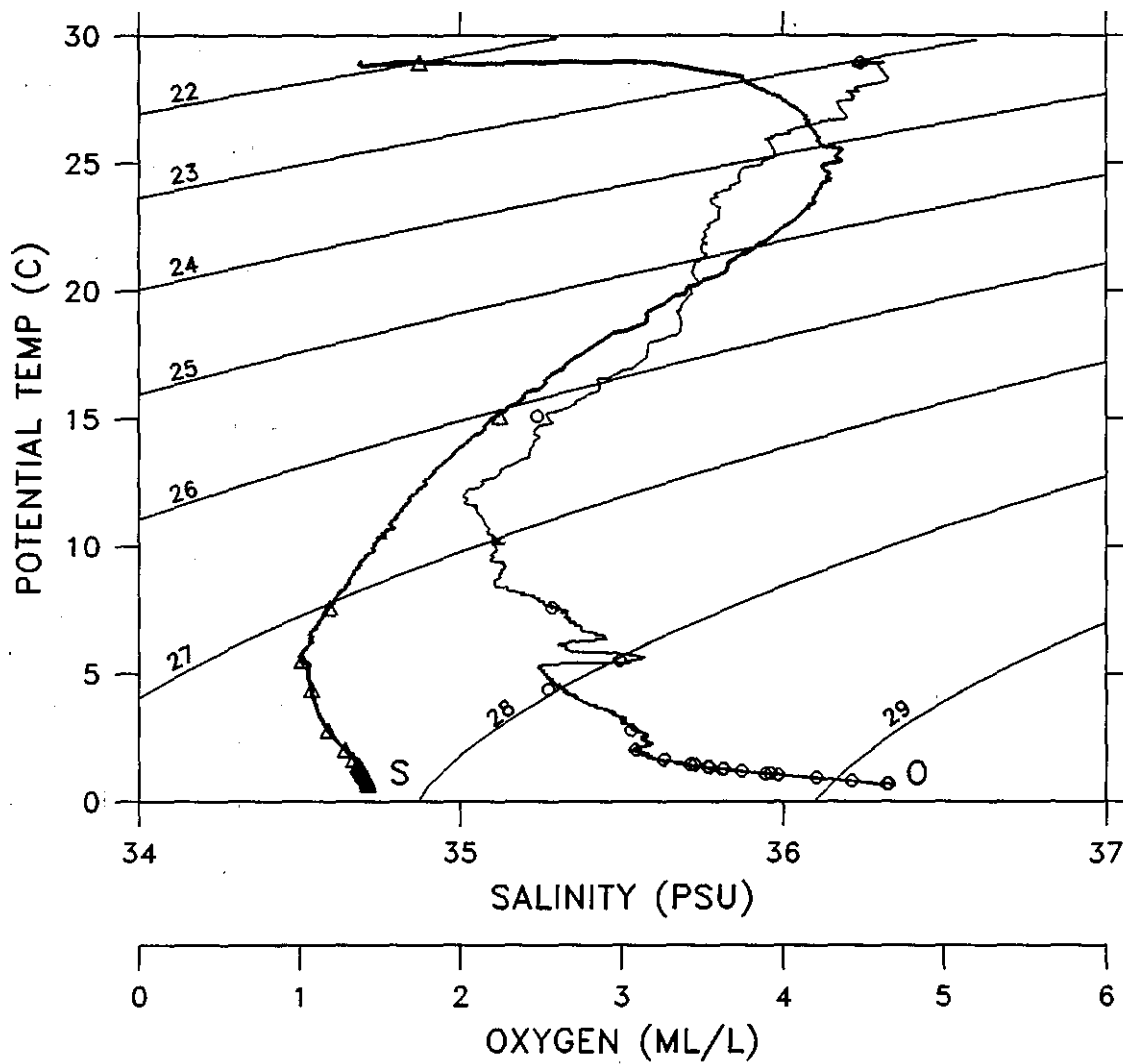


CAST TW2-87-OC-023 DATE 14 JUN 87 TIME 1121 GMT
 LAT 10 04.4S LONG 168 44.7W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 220 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 28.4 WET 25.7 DEPTH 4060 M

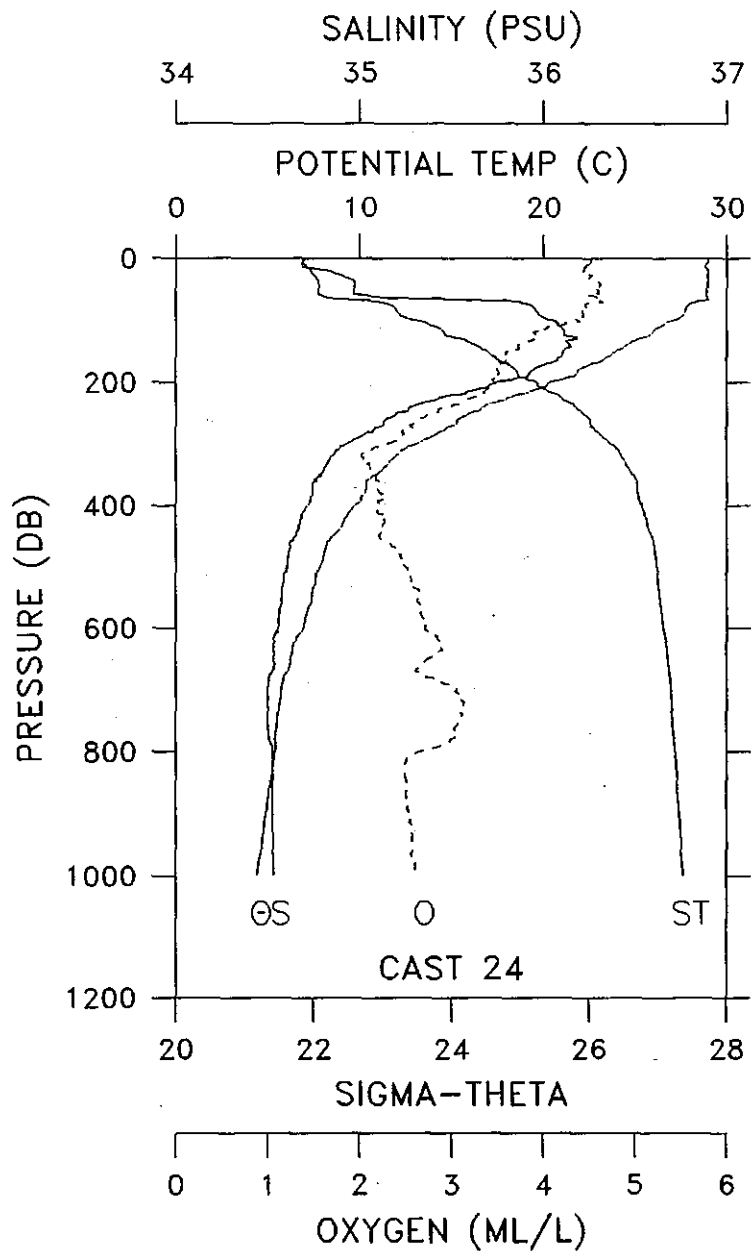


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.152	34.688	4.50	21.781	0.000
10	28.949	34.705	4.42	21.862	0.060
20	28.858	34.732	4.46	21.913	0.119
30	28.859	34.786	4.45	21.953	0.178
40	28.895	34.885	4.53	22.015	0.237
50	28.934	34.924	4.47	22.031	0.295
60	28.918	34.931	4.56	22.042	0.353
70	28.957	35.042	4.47	22.112	0.411
80	28.332	35.777	4.62	22.872	0.464
90	27.989	35.835	4.49	23.028	0.514
100	27.200	36.027	4.27	23.429	0.561
110	26.190	36.108	4.13	23.812	0.604
120	24.705	36.110	3.72	24.272	0.643
130	24.380	36.132	3.61	24.386	0.679
140	23.704	36.110	3.61	24.571	0.714
150	23.243	36.065	3.51	24.672	0.748
160	22.878	36.043	3.53	24.762	0.780
170	22.038	35.953	3.56	24.933	0.812
180	21.433	35.875	3.51	25.042	0.842
190	20.267	35.728	3.45	25.247	0.871
200	19.628	35.635	3.36	25.345	0.898
250	15.400	35.152	2.62	26.001	1.017
300	11.714	34.830	2.05	26.512	1.106
350	10.067	34.744	1.99	26.741	1.181
400	8.862	34.663	2.12	26.877	1.246
450	8.292	34.635	2.23	26.944	1.307
500	7.893	34.605	2.44	26.980	1.366
550	7.227	34.567	2.66	27.046	1.422
600	6.818	34.556	2.66	27.094	1.476
650	6.436	34.550	2.38	27.141	1.527
700	6.009	34.534	2.46	27.184	1.577
750	5.676	34.529	2.40	27.221	1.625
800	5.450	34.529	2.45	27.249	1.671
900	4.928	34.526	2.50	27.308	1.761
1000	4.383	34.534	2.64	27.375	1.843
1500	2.840	34.585	3.04	27.568	2.195
2000	2.041	34.639	3.13	27.679	2.471
2500	1.697	34.664	3.19	27.726	2.716
3000	1.427	34.680	3.47	27.759	2.945
3500	1.283	34.688	3.63	27.775	3.168
4000	1.088	34.697	3.87	27.796	3.389
4122	1.059	34.698	3.96	27.799	3.441

CAST TW2-87-OC-024 DATE 14 JUN 87 TIME 1740 GMT
LAT 10 03.9S LONG 169 00.0W

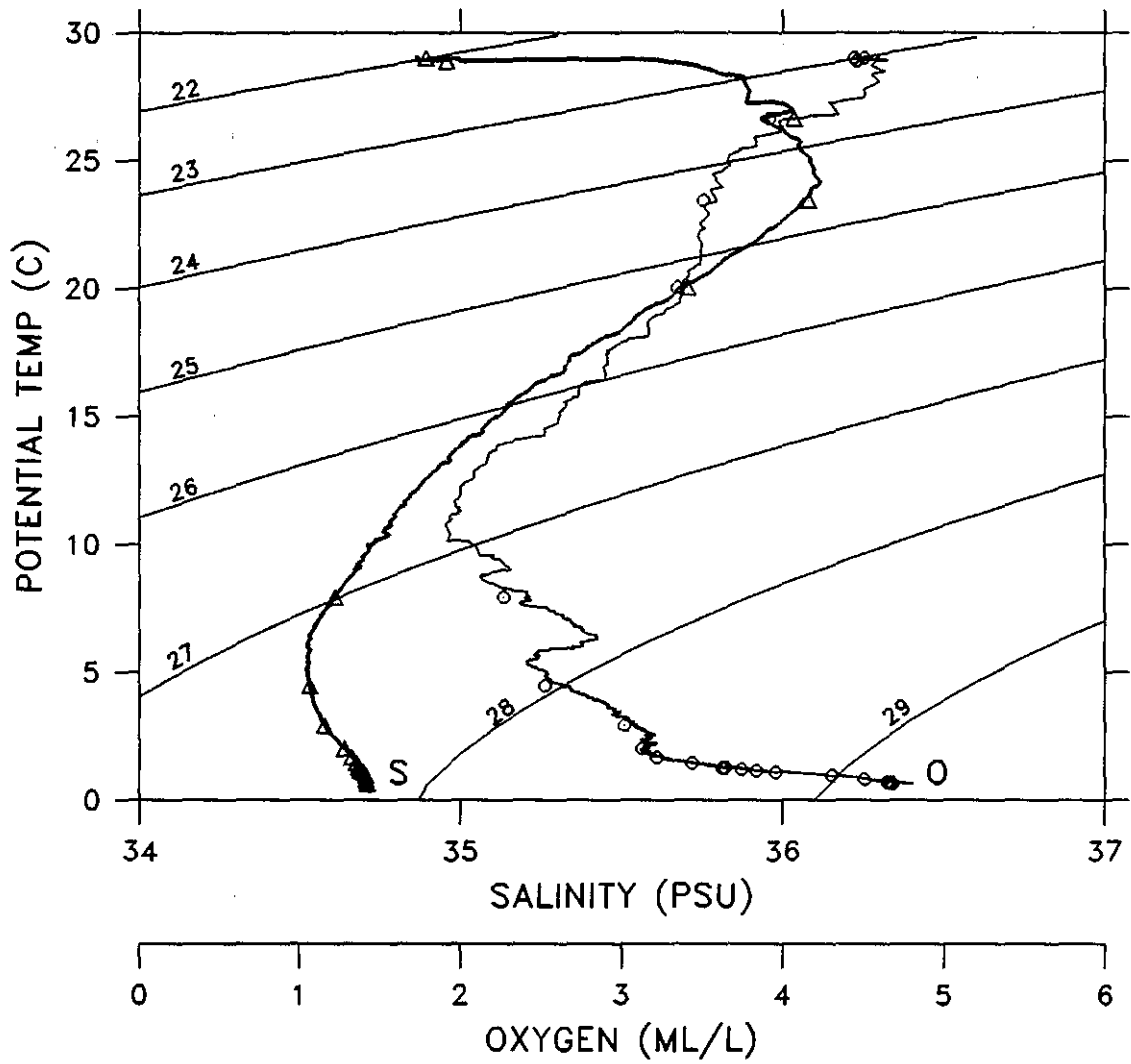


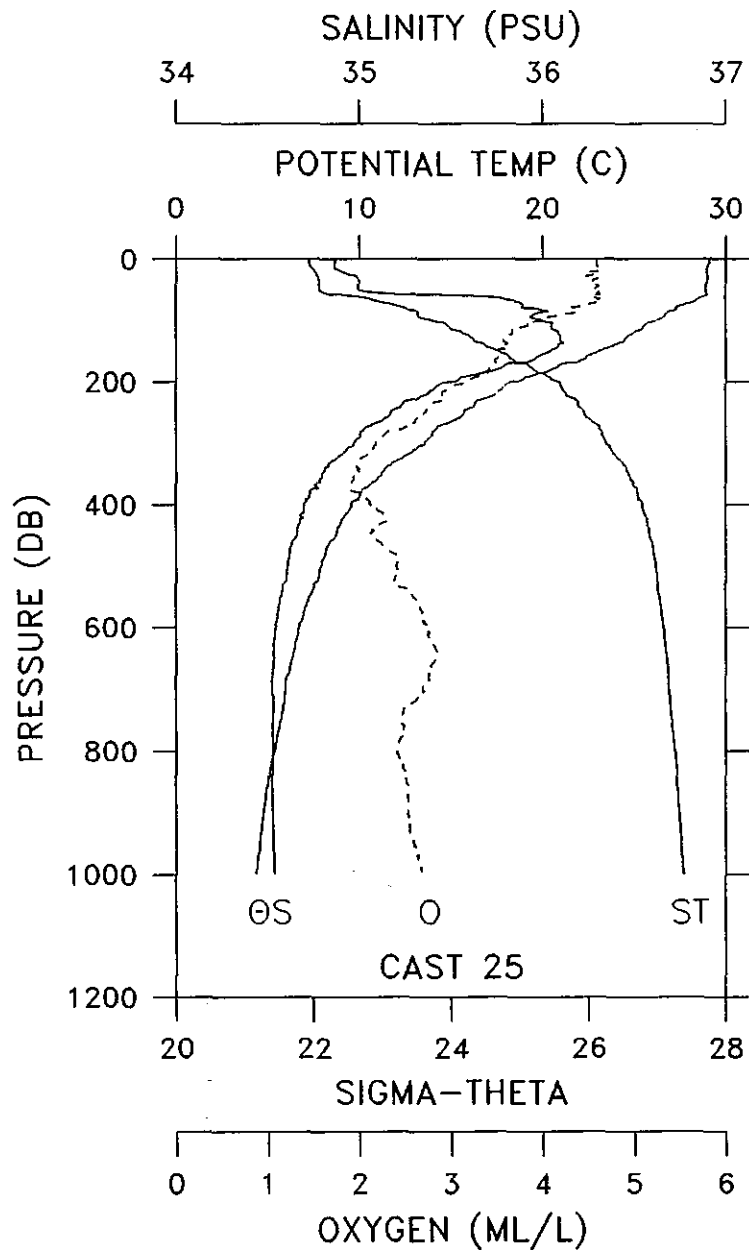
CAST TW2-87-0C-024 DATE 14 JUN 87 TIME 1740 GMT
 LAT 10 03.9S LONG 169 00.0W WEATHER 0 SEA STATE 5
 BAROMETER 09 WIND DIR 190 T SPD 10 KT VISIBILITY 8
 CLOUD 1 AMOUNT 2 DRY 27.1 WET 25.1 DEPTH 4632 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.982	34.692	4.52	21.841	0.000
10	28.845	34.686	4.47	21.882	0.060
20	28.965	34.839	4.43	21.957	0.119
30	28.937	34.921	4.50	22.028	0.177
40	28.938	34.970	4.60	22.064	0.235
50	28.910	34.968	4.58	22.072	0.292
60	28.897	35.027	4.52	22.121	0.350
70	28.338	35.869	4.65	22.940	0.404
80	27.796	35.953	4.40	23.181	0.452
90	27.631	35.976	4.45	23.252	0.499
100	26.975	36.057	4.38	23.524	0.545
110	26.340	36.091	4.08	23.752	0.588
120	25.932	36.110	3.89	23.894	0.629
130	25.170	36.172	3.91	24.177	0.668
140	24.471	36.132	3.72	24.359	0.706
150	23.889	36.104	3.63	24.512	0.741
160	23.399	36.078	3.57	24.637	0.775
170	22.592	36.015	3.53	24.823	0.808
180	21.956	35.940	3.50	24.946	0.840
190	21.724	35.917	3.49	24.993	0.870
200	20.342	35.745	3.47	25.240	0.899
250	15.938	35.196	2.79	25.913	1.023
300	13.032	34.922	2.25	26.327	1.122
350	10.798	34.786	2.17	26.646	1.203
400	9.746	34.718	2.20	26.775	1.274
450	8.527	34.646	2.21	26.916	1.338
500	7.829	34.605	2.50	26.989	1.397
550	7.400	34.578	2.64	27.030	1.454
600	6.932	34.555	2.71	27.078	1.508
650	6.267	34.532	2.75	27.148	1.560
700	5.732	34.499	3.06	27.190	1.609
750	5.525	34.502	3.07	27.218	1.657
800	5.409	34.527	2.66	27.252	1.703
900	4.895	34.526	2.53	27.312	1.792
1000	4.427	34.534	2.62	27.370	1.875
1500	2.771	34.588	3.11	27.577	2.227
2000	2.014	34.642	3.08	27.684	2.502
2500	1.673	34.666	3.22	27.729	2.744
3000	1.447	34.679	3.39	27.757	2.974
3500	1.280	34.688	3.60	27.775	3.198
4000	1.129	34.694	3.85	27.791	3.417
4500	0.741	34.712	4.54	27.831	3.623
4698	0.686	34.712	4.63	27.834	3.698

CAST TW2-87-OC-025 DATE 15 JUN 87 TIME 0218 GMT
LAT 10 04.7S LONG 169 11.1W

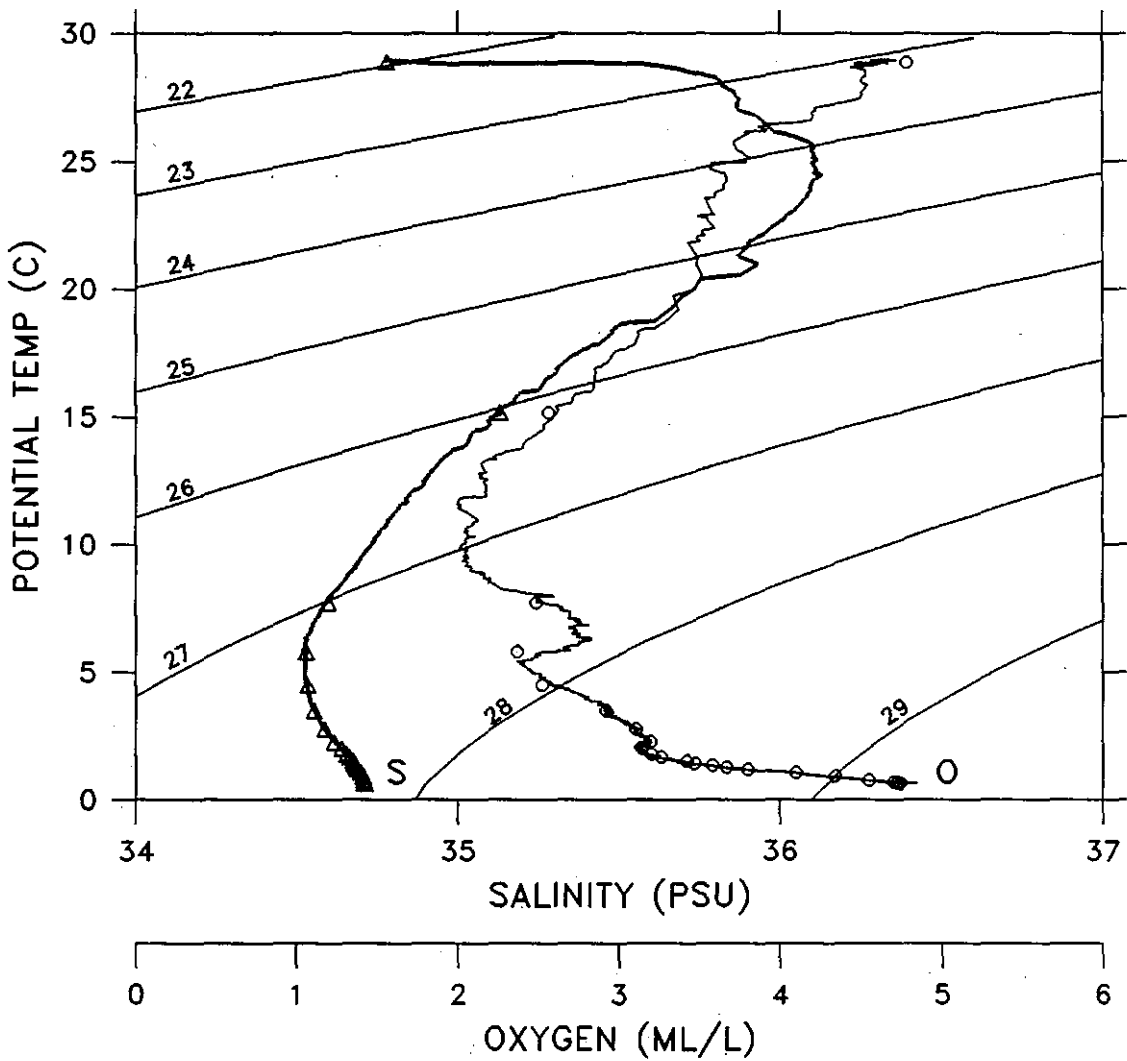


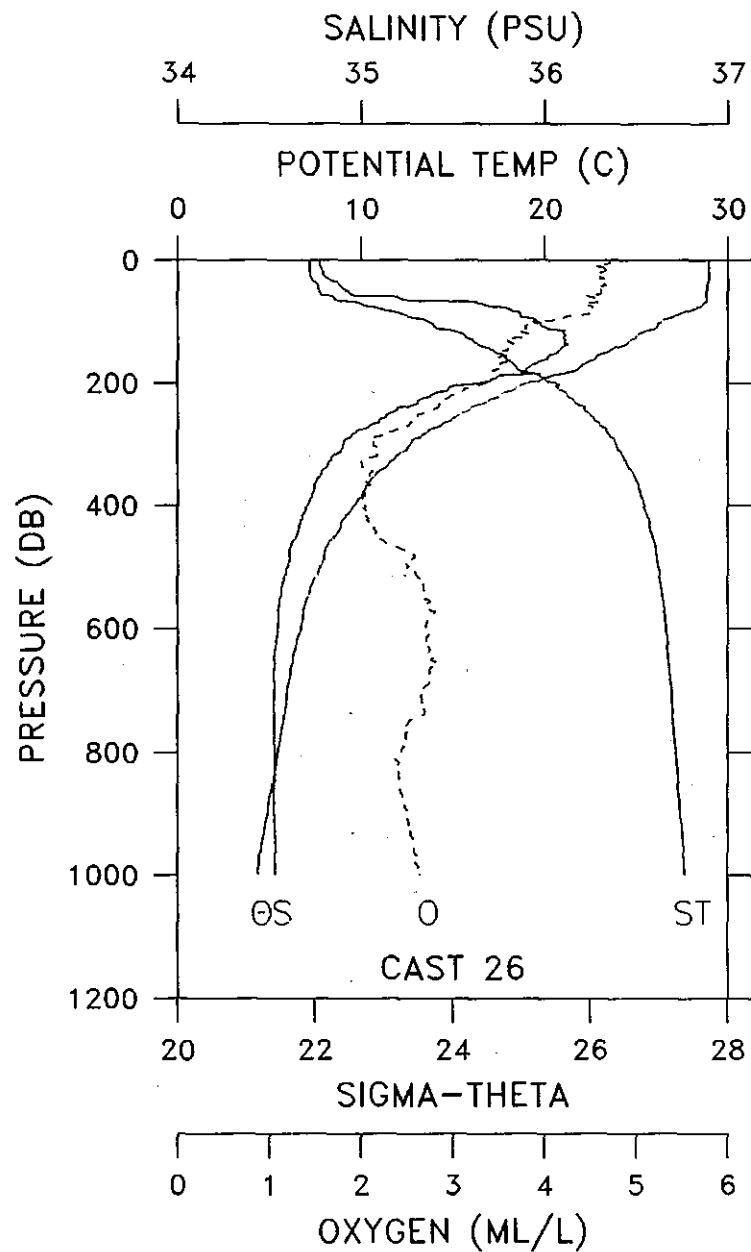


CAST TW2-87-OC-025 DATE 15 JUN 87 TIME 0218 GMT
 LAT 10 04.7S LONG 169 11.1W WEATHER 1 SEA STATE 4
 BAROMETER 09 WIND DIR 205 T SPD 17 KT VISIBILITY 8
 CLOUD 1 AMOUNT 3 DRY 28.5 WET 25.5 DEPTH 4829 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.095	34.866	4.58	21.934	0.000
10	29.038	34.864	4.59	21.952	0.059
20	28.941	34.899	4.57	22.010	0.117
30	28.975	34.988	4.56	22.066	0.175
40	28.946	34.998	4.57	22.083	0.233
50	28.915	34.999	4.63	22.094	0.290
60	28.985	35.595	4.60	22.518	0.346
70	28.251	35.882	4.57	22.978	0.397
80	27.301	35.947	4.29	23.337	0.444
90	26.739	35.950	4.17	23.519	0.489
100	26.154	36.000	3.99	23.742	0.532
110	25.512	36.050	3.78	23.979	0.573
120	24.957	36.083	3.67	24.175	0.611
130	24.495	36.097	3.57	24.326	0.649
140	23.882	36.086	3.55	24.500	0.684
150	23.133	36.041	3.52	24.687	0.718
160	22.369	35.964	3.51	24.847	0.751
170	21.132	35.812	3.49	25.077	0.782
180	20.482	35.747	3.42	25.205	0.810
190	19.305	35.589	3.32	25.394	0.838
200	18.315	35.496	3.17	25.574	0.864
250	15.735	35.175	2.71	25.943	0.979
300	13.587	34.970	2.18	26.251	1.077
350	11.178	34.796	1.97	26.585	1.160
400	9.573	34.698	2.12	26.789	1.231
450	8.710	34.657	2.13	26.896	1.295
500	7.894	34.607	2.40	26.982	1.355
550	7.277	34.574	2.59	27.045	1.412
600	6.714	34.544	2.74	27.099	1.466
650	6.317	34.535	2.85	27.145	1.517
700	5.996	34.525	2.70	27.178	1.567
750	5.720	34.529	2.46	27.216	1.615
800	5.349	34.529	2.42	27.261	1.661
900	4.781	34.529	2.54	27.327	1.748
1000	4.310	34.535	2.69	27.384	1.830
1500	2.717	34.591	3.12	27.584	2.177
2000	2.016	34.642	3.15	27.684	2.449
2500	1.651	34.667	3.27	27.732	2.691
3000	1.447	34.679	3.46	27.757	2.919
3500	1.276	34.688	3.65	27.776	3.143
4000	1.091	34.701	4.03	27.799	3.361
4500	0.745	34.712	4.61	27.831	3.561
4868	0.658	34.713	4.76	27.837	3.700

CAST TW2-87-OC-026 DATE 15 JUN 87 TIME 0948 GMT
LAT 10 05.4S LONG 169 30.5W

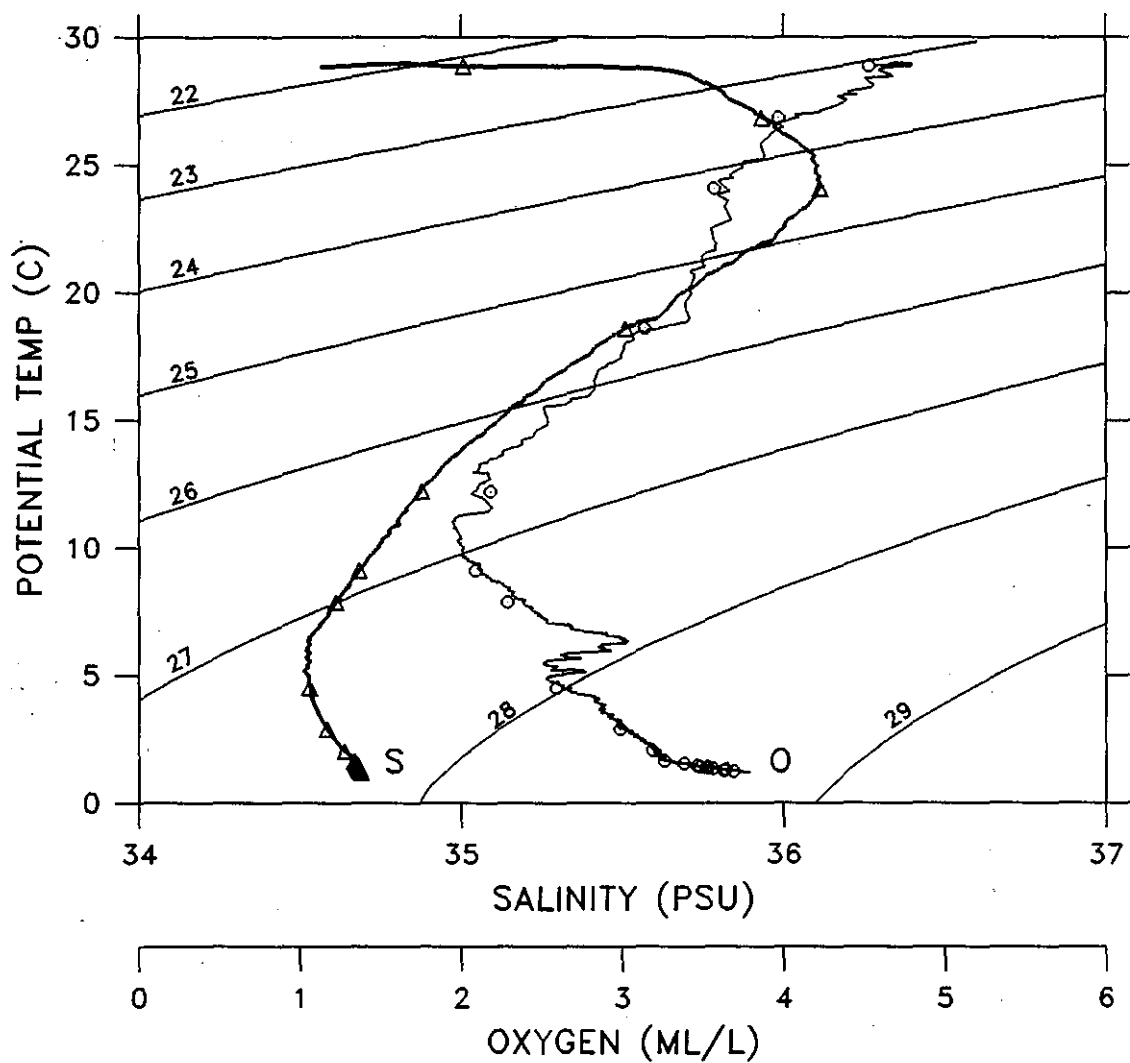


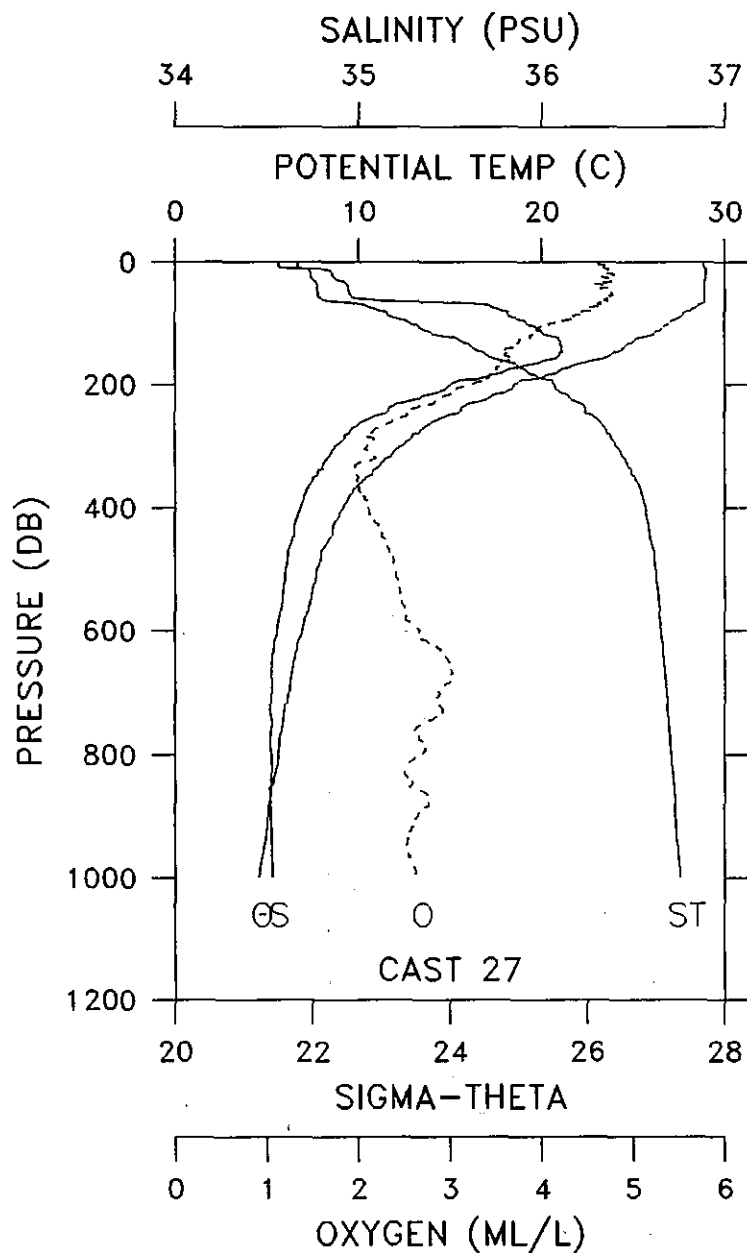


CAST TW2-87-OC-026 DATE 15 JUN 87 TIME 0948 GMT
 LAT 10 05.4S LONG 169 30.5W WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 180 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 27.0 WET 25.5 DEPTH 5248 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.957	34.773	4.71	21.910	0.000
10	28.960	34.776	4.59	21.912	0.059
20	28.964	34.793	4.61	21.923	0.118
30	28.948	34.821	4.62	21.950	0.177
40	28.852	34.881	4.66	22.027	0.235
50	28.856	34.929	4.62	22.061	0.293
60	28.848	35.200	4.51	22.267	0.351
70	28.687	35.661	4.43	22.667	0.405
80	28.105	35.817	4.50	22.977	0.456
90	27.192	35.868	4.30	23.312	0.503
100	26.360	35.962	3.87	23.648	0.548
110	26.109	36.009	3.81	23.763	0.590
120	25.088	36.110	3.80	24.155	0.629
130	24.664	36.111	3.59	24.285	0.667
140	24.012	36.092	3.65	24.467	0.703
150	23.388	36.066	3.55	24.631	0.738
160	22.734	36.015	3.55	24.782	0.770
170	22.080	35.935	3.52	24.907	0.802
180	21.564	35.893	3.46	25.020	0.833
190	20.096	35.737	3.49	25.300	0.861
200	18.973	35.634	3.33	25.514	0.888
250	15.436	35.150	2.64	25.991	1.004
300	12.676	34.904	2.13	26.384	1.099
350	10.812	34.780	2.10	26.639	1.178
400	9.622	34.708	2.05	26.788	1.249
450	8.564	34.648	2.18	26.912	1.312
500	7.777	34.596	2.50	26.990	1.371
550	7.111	34.561	2.69	27.058	1.427
600	6.728	34.546	2.68	27.098	1.480
650	6.302	34.528	2.77	27.141	1.532
700	5.960	34.526	2.67	27.183	1.581
750	5.793	34.530	2.52	27.207	1.630
800	5.462	34.529	2.42	27.247	1.677
900	4.904	34.528	2.52	27.312	1.765
1000	4.374	34.534	2.65	27.376	1.848
1500	2.762	34.589	3.13	27.579	2.195
2000	2.016	34.641	3.14	27.683	2.470
2500	1.671	34.666	3.22	27.729	2.712
3000	1.412	34.681	3.44	27.761	2.939
3500	1.275	34.688	3.63	27.776	3.161
4000	1.050	34.704	4.10	27.804	3.378
4500	0.706	34.713	4.62	27.834	3.574
5000	0.660	34.713	4.75	27.837	3.762
5318	0.656	34.712	4.83	27.836	3.886

CAST TW2-87-OC-027 DATE 15 JUN 87 TIME 1624 GMT
LAT 10 05.4S LONG 169 44.4W

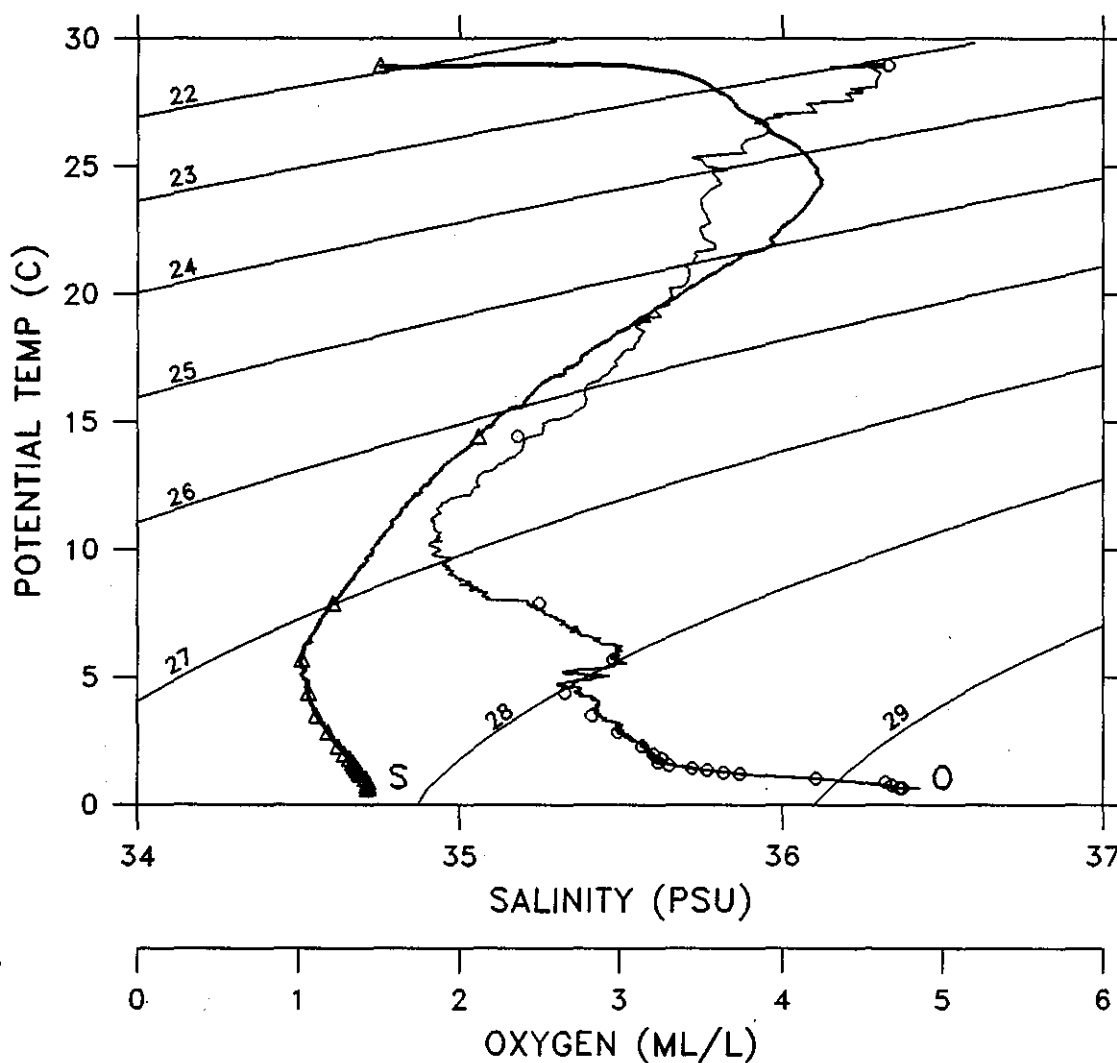


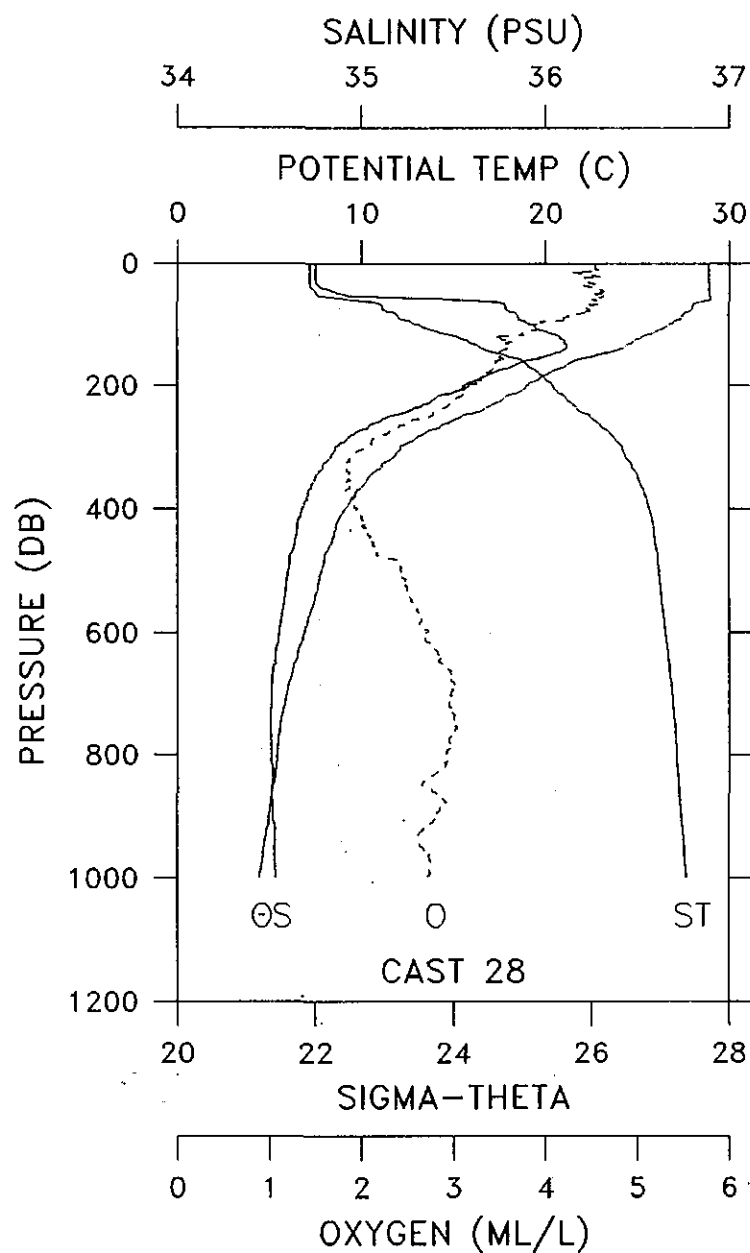


CAST TW2-87-OC-027 DATE 15 JUN 87 TIME 1624 GMT
 LAT 10 05.4S LONG 169 44.4W WEATHER 6 SEA STATE 5
 BAROMETER 09 WIND DIR 165 T SPD 16 KT VISIBILITY 7
 CLOUD 1 AMOUNT 8 DRY 26.5 WET 25.0 DEPTH 3780 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.860	34.563	4.62	21.785	0.000
10	28.903	34.630	4.70	21.821	0.060
20	28.974	34.858	4.76	21.969	0.119
30	28.914	34.898	4.79	22.019	0.177
40	28.879	34.942	4.73	22.063	0.235
50	28.882	34.951	4.75	22.069	0.293
60	28.867	35.023	4.70	22.128	0.350
70	28.512	35.711	4.67	22.763	0.405
80	27.952	35.800	4.48	23.014	0.455
90	27.533	35.840	4.39	23.181	0.503
100	26.947	35.924	4.07	23.433	0.549
110	26.481	35.973	4.00	23.618	0.593
120	25.831	36.051	3.86	23.881	0.635
130	24.992	36.105	3.74	24.180	0.673
140	24.489	36.108	3.69	24.336	0.710
150	23.858	36.101	3.59	24.519	0.746
160	22.854	36.009	3.68	24.743	0.780
170	21.653	35.889	3.58	24.992	0.811
180	20.831	35.788	3.42	25.141	0.841
190	19.632	35.655	3.39	25.359	0.868
200	18.548	35.501	3.20	25.520	0.894
250	14.829	35.093	2.53	26.082	1.008
300	12.216	34.870	2.09	26.447	1.098
350	10.396	34.760	2.00	26.696	1.176
400	9.160	34.683	2.11	26.844	1.243
450	8.435	34.638	2.29	26.924	1.305
500	7.743	34.603	2.40	27.001	1.363
550	7.403	34.584	2.47	27.035	1.419
600	6.948	34.558	2.67	27.078	1.474
650	6.467	34.527	3.00	27.119	1.526
700	6.172	34.526	2.87	27.156	1.577
750	5.880	34.528	2.69	27.195	1.627
800	5.627	34.526	2.69	27.225	1.675
900	5.071	34.522	2.64	27.288	1.766
1000	4.562	34.530	2.62	27.352	1.852
1500	2.939	34.582	3.02	27.557	2.207
2000	2.080	34.636	3.21	27.674	2.490
2500	1.647	34.667	3.29	27.732	2.735
3000	1.461	34.678	3.44	27.755	2.963
3500	1.283	34.688	3.65	27.775	3.187
3811	1.211	34.691	3.78	27.783	3.325

CAST TW2-87-OC-028 DATE 15 JUN 87 TIME 2130 GMT
LAT 10 05..S LONG 169 59.7W

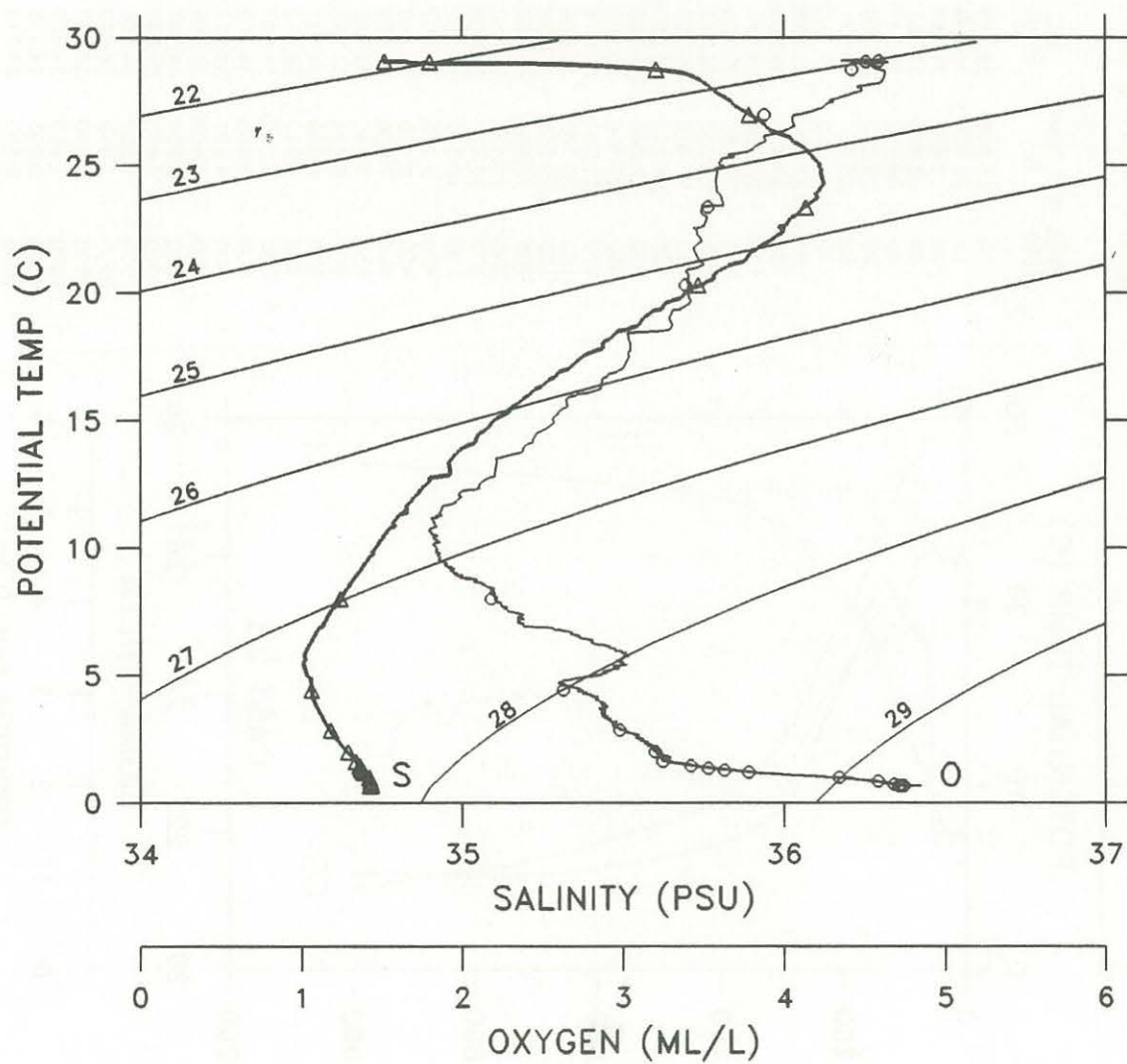


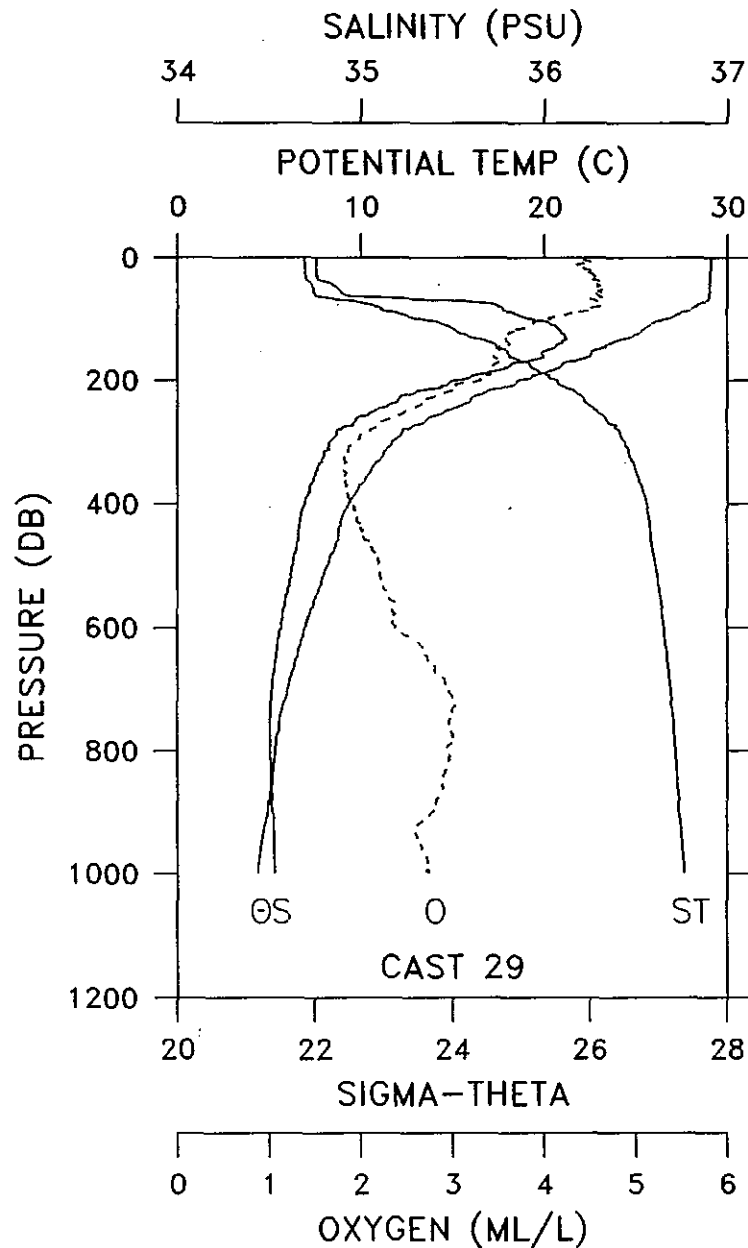


CAST TW2-87-OC-028 DATE 15 JUN 87 TIME 2130 GMT
 LAT 10 05.S LONG 169 59.7W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 165 T SPD 16 KT VISIBILITY 7
 CLOUD 1 AMOUNT 4 DRY 28.0 WET 25.5 DEPTH 5170 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.898	34.749	4.55	21.912	0.000
10	28.896	34.749	4.57	21.913	0.059
20	28.896	34.748	4.52	21.912	0.118
30	28.898	34.751	4.46	21.914	0.177
40	28.912	34.777	4.57	21.928	0.236
50	28.912	34.900	4.53	22.021	0.295
60	28.967	35.511	4.50	22.461	0.351
70	28.052	35.786	4.42	22.971	0.402
80	27.756	35.829	4.42	23.101	0.450
90	27.435	35.856	4.16	23.225	0.498
100	26.737	35.947	3.82	23.517	0.543
110	26.184	35.985	3.85	23.721	0.586
120	25.337	36.081	3.44	24.057	0.627
130	24.775	36.103	3.58	24.246	0.665
140	24.111	36.109	3.57	24.450	0.701
150	22.846	36.026	3.56	24.758	0.735
160	21.586	35.880	3.47	25.003	0.766
170	21.047	35.814	3.42	25.102	0.796
180	20.189	35.708	3.31	25.253	0.824
190	19.655	35.638	3.29	25.340	0.851
200	18.980	35.557	3.17	25.453	0.878
250	15.471	35.150	2.75	25.984	0.997
300	12.130	34.858	2.07	26.455	1.089
350	10.373	34.752	1.84	26.694	1.166
400	9.125	34.681	1.96	26.848	1.234
450	8.415	34.640	2.07	26.928	1.295
500	7.836	34.602	2.43	26.986	1.354
550	7.445	34.580	2.55	27.026	1.411
600	6.924	34.556	2.70	27.079	1.466
650	6.389	34.537	2.88	27.137	1.518
700	5.942	34.512	2.97	27.174	1.568
750	5.569	34.507	3.03	27.217	1.617
800	5.403	34.508	2.93	27.238	1.663
900	4.921	34.517	2.83	27.302	1.753
1000	4.404	34.529	2.74	27.369	1.837
1500	2.809	34.591	2.99	27.576	2.190
2000	2.012	34.642	3.20	27.684	2.465
2500	1.667	34.666	3.22	27.730	2.707
3000	1.449	34.679	3.44	27.756	2.937
3500	1.290	34.687	3.62	27.774	3.161
4000	1.063	34.707	4.16	27.806	3.381
4500	0.695	34.715	4.69	27.836	3.576
5000	0.655	34.713	4.82	27.837	3.763
5226	0.650	34.712	4.80	27.837	3.850

CAST TW2-87-OC-029 DATE 16 JUN 87 TIME 0223 GMT
LAT 10 05.2S LONG 170 15.1W

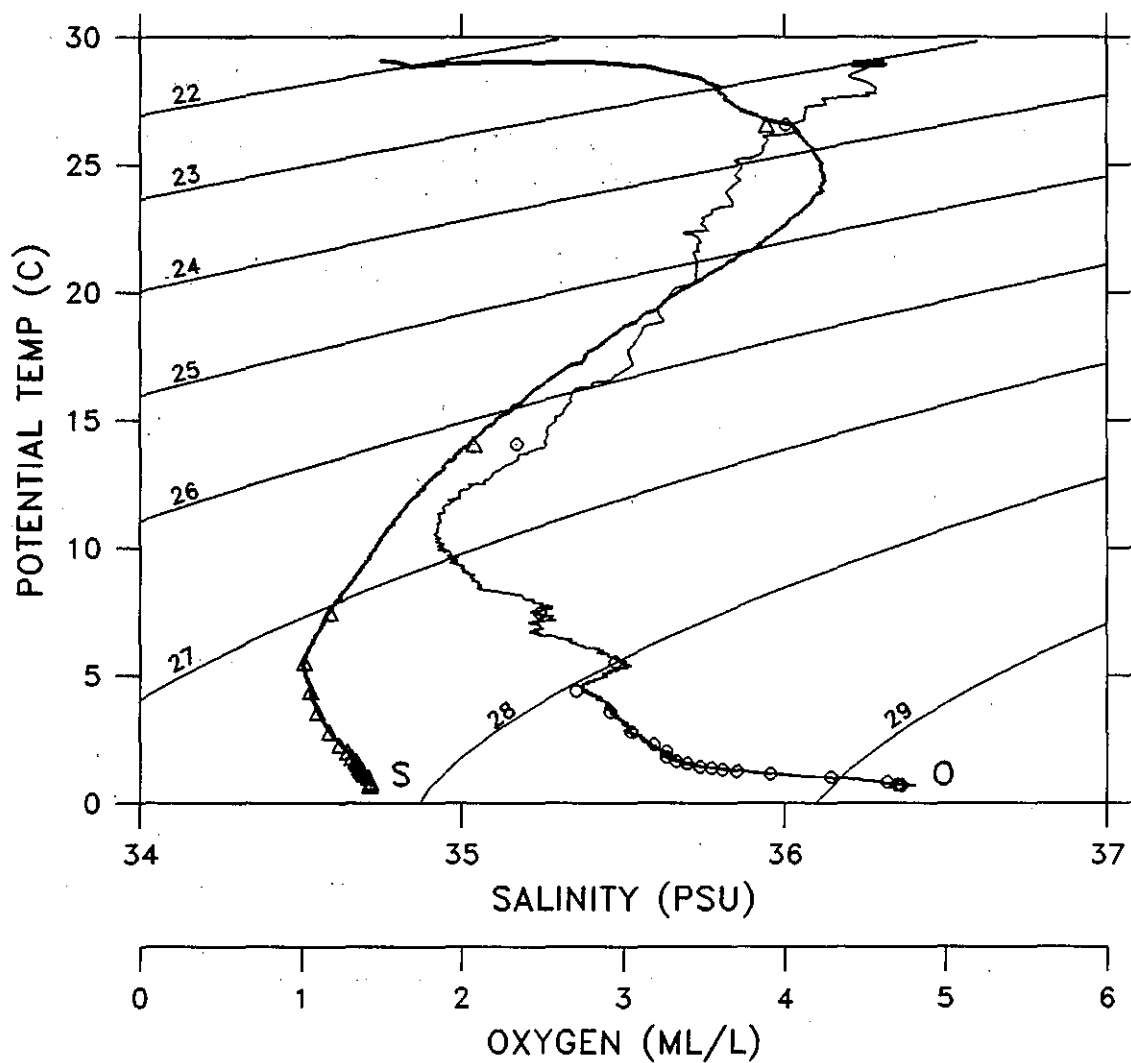


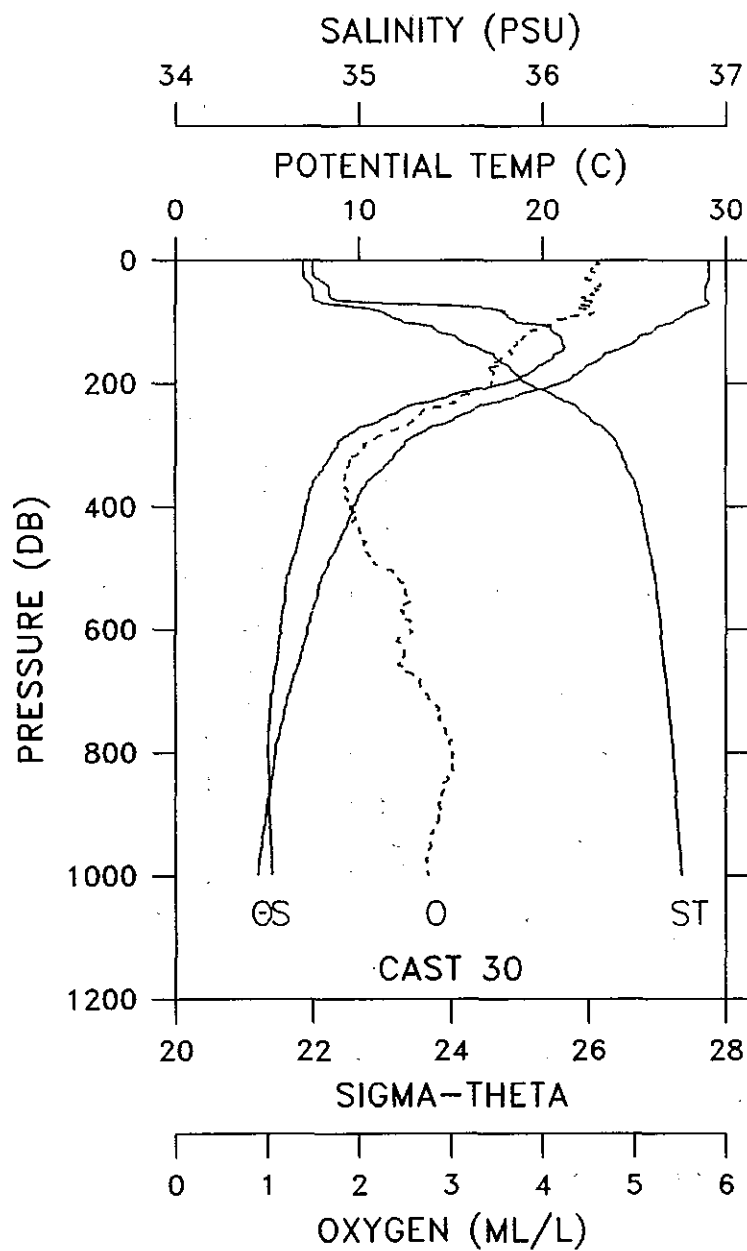


CAST TW2-87-OC-029 DATE 16 JUN 87 TIME 0223 GMT
 LAT 10 05.2S LONG 170 15.1W WEATHER 1 SEA STATE 2
 BAROMETER 08 WIND DIR 160 T SPD 16 KT VISIBILITY 9
 CLOUD 8 AMOUNT 2 DRY 28.5 WET 25.0 DEPTH 5053 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.117	34.756	4.43	21.844	0.000
10	29.103	34.754	4.37	21.848	0.060
20	29.078	34.755	4.49	21.857	0.119
30	29.068	34.760	4.55	21.863	0.179
40	29.067	34.819	4.53	21.908	0.238
50	29.010	34.875	4.62	21.970	0.297
60	28.990	34.907	4.57	22.000	0.356
70	28.812	35.558	4.56	22.548	0.412
80	28.205	35.757	4.59	22.898	0.464
90	27.477	35.836	4.31	23.196	0.513
100	26.528	35.947	4.07	23.584	0.558
110	25.770	36.052	3.84	23.901	0.600
120	25.311	36.092	3.68	24.073	0.640
130	24.752	36.113	3.59	24.260	0.678
140	23.530	36.083	3.62	24.602	0.713
150	22.946	36.023	3.53	24.727	0.746
160	22.532	35.997	3.44	24.826	0.778
170	21.224	35.878	3.48	25.102	0.809
180	20.719	35.782	3.41	25.167	0.838
190	19.573	35.628	3.42	25.355	0.866
200	18.542	35.507	3.29	25.526	0.892
250	14.610	35.069	2.50	26.111	1.004
300	11.718	34.829	1.94	26.510	1.092
350	10.486	34.754	1.85	26.676	1.168
400	9.328	34.693	1.89	26.825	1.236
450	8.789	34.661	2.04	26.887	1.299
500	8.159	34.627	2.18	26.958	1.360
550	7.496	34.589	2.29	27.025	1.418
600	6.992	34.567	2.37	27.079	1.473
650	6.489	34.536	2.72	27.123	1.525
700	5.970	34.512	2.94	27.171	1.576
750	5.563	34.506	2.96	27.217	1.624
800	5.330	34.505	2.94	27.244	1.671
900	4.950	34.520	2.78	27.301	1.760
1000	4.372	34.530	2.74	27.373	1.843
1500	2.829	34.589	3.01	27.572	2.196
2000	2.012	34.641	3.21	27.684	2.471
2500	1.645	34.667	3.27	27.732	2.712
3000	1.444	34.679	3.44	27.757	2.941
3500	1.289	34.688	3.65	27.775	3.165
4000	1.010	34.709	4.26	27.811	3.381
4500	0.706	34.715	4.73	27.835	3.573
5000	0.668	34.714	4.82	27.837	3.761
5121	0.665	34.714	4.83	27.837	3.808

CAST TW2-87-OC-030 DATE 16 JUN 87 TIME 0759 GMT
LAT 10 06.1S LONG 170 31.3W

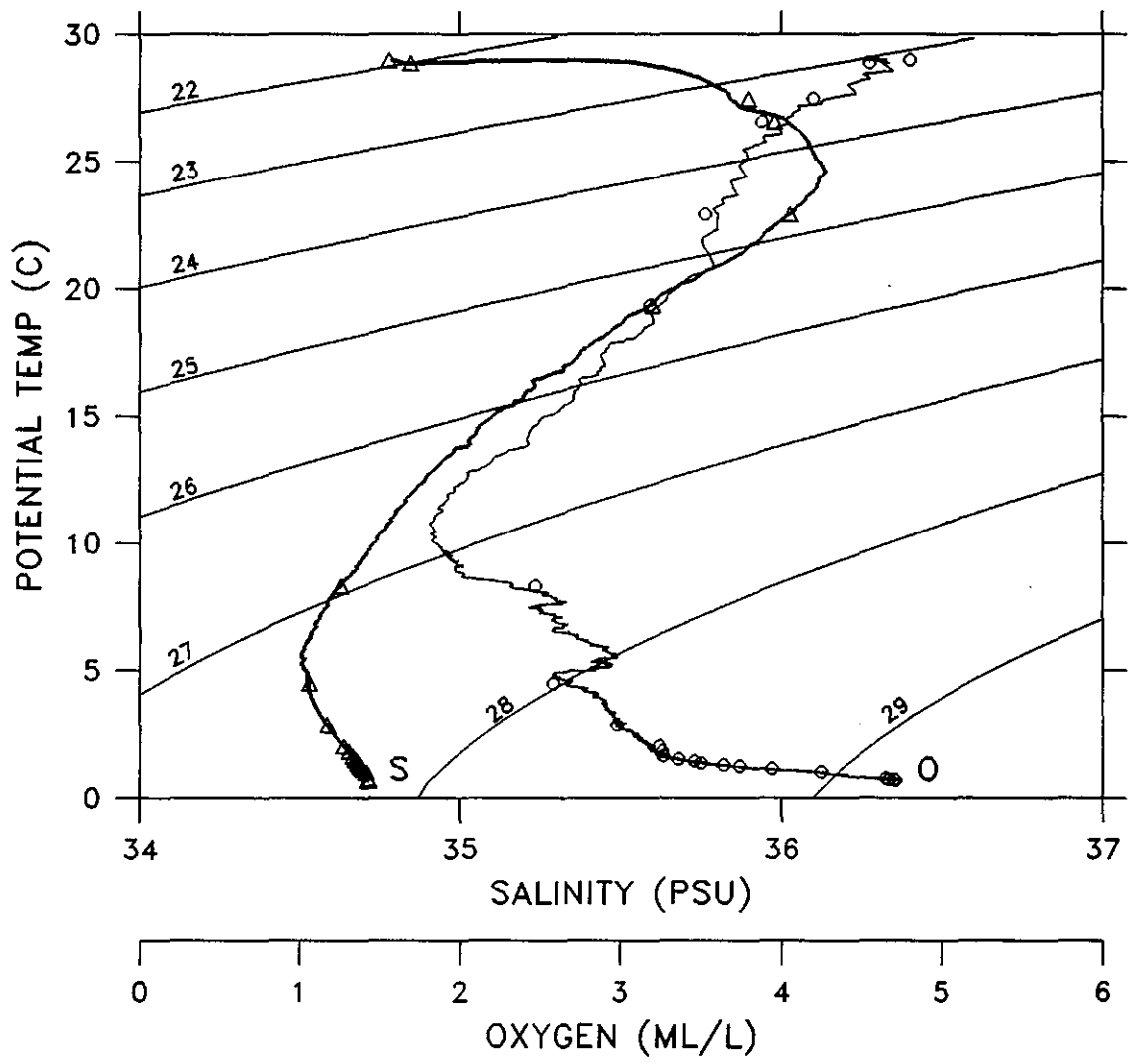


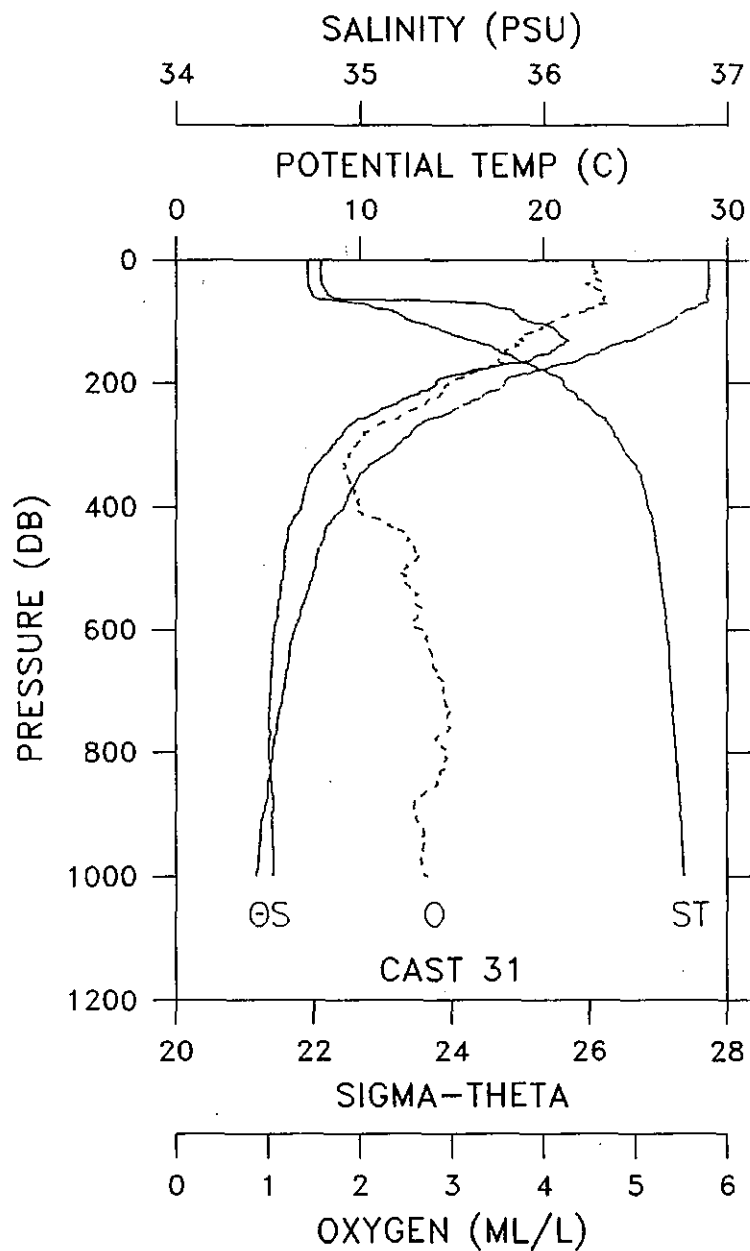


CAST TW2-87-OC-030 DATE 16 JUN 87 TIME 0759 GMT
 LAT 10 06.1S LONG 170 31.3W WEATHER 0 SEA STATE 2
 BAROMETER 10 WIND DIR 150 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 1 DRY 27.0 WET 25.5 DEPTH 4770 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.072	34.746	4.59	21.851	0.000
10	29.070	34.746	4.53	21.852	0.060
20	29.068	34.749	4.56	21.855	0.119
30	29.051	34.767	4.46	21.875	0.179
40	28.930	34.825	4.62	21.958	0.238
50	28.854	34.835	4.57	21.991	0.296
60	28.857	34.844	4.45	21.997	0.355
70	29.038	35.156	4.52	22.171	0.413
80	28.287	35.751	4.49	22.868	0.466
90	27.650	35.812	4.38	23.122	0.515
100	27.153	35.859	4.13	23.318	0.562
110	26.218	36.045	4.03	23.755	0.605
120	25.661	36.087	3.86	23.961	0.647
130	25.193	36.107	3.69	24.121	0.685
140	24.518	36.121	3.70	24.337	0.723
150	23.691	36.089	3.66	24.559	0.758
160	23.179	36.052	3.55	24.681	0.792
170	22.586	35.995	3.50	24.810	0.825
180	22.115	35.944	3.47	24.905	0.856
190	21.628	35.883	3.46	24.995	0.887
200	20.951	35.790	3.44	25.111	0.917
250	15.610	35.168	2.65	25.966	1.040
300	12.445	34.882	2.06	26.412	1.134
350	10.834	34.774	1.85	26.630	1.213
400	9.695	34.711	1.91	26.778	1.283
450	9.023	34.675	2.04	26.860	1.349
500	8.234	34.622	2.29	26.942	1.411
550	7.701	34.595	2.52	27.001	1.469
600	7.172	34.569	2.55	27.056	1.525
650	6.787	34.557	2.45	27.099	1.579
700	6.237	34.529	2.70	27.151	1.631
750	5.827	34.511	2.91	27.189	1.680
800	5.420	34.502	3.01	27.231	1.728
900	4.970	34.512	2.89	27.292	1.818
1000	4.510	34.527	2.74	27.355	1.903
1500	2.883	34.586	3.01	27.565	2.262
2000	2.009	34.641	3.24	27.684	2.539
2500	1.648	34.668	3.31	27.733	2.781
3000	1.426	34.680	3.46	27.759	3.008
3500	1.283	34.688	3.68	27.775	3.231
4000	1.015	34.709	4.26	27.811	3.448
4500	0.718	34.714	4.74	27.834	3.639
4804	0.697	34.714	4.79	27.835	3.754

CAST TW2-87-OC-031 DATE 16 JUN 87 TIME 1229 GMT
LAT 10 07.1S LONG 170 41.3W

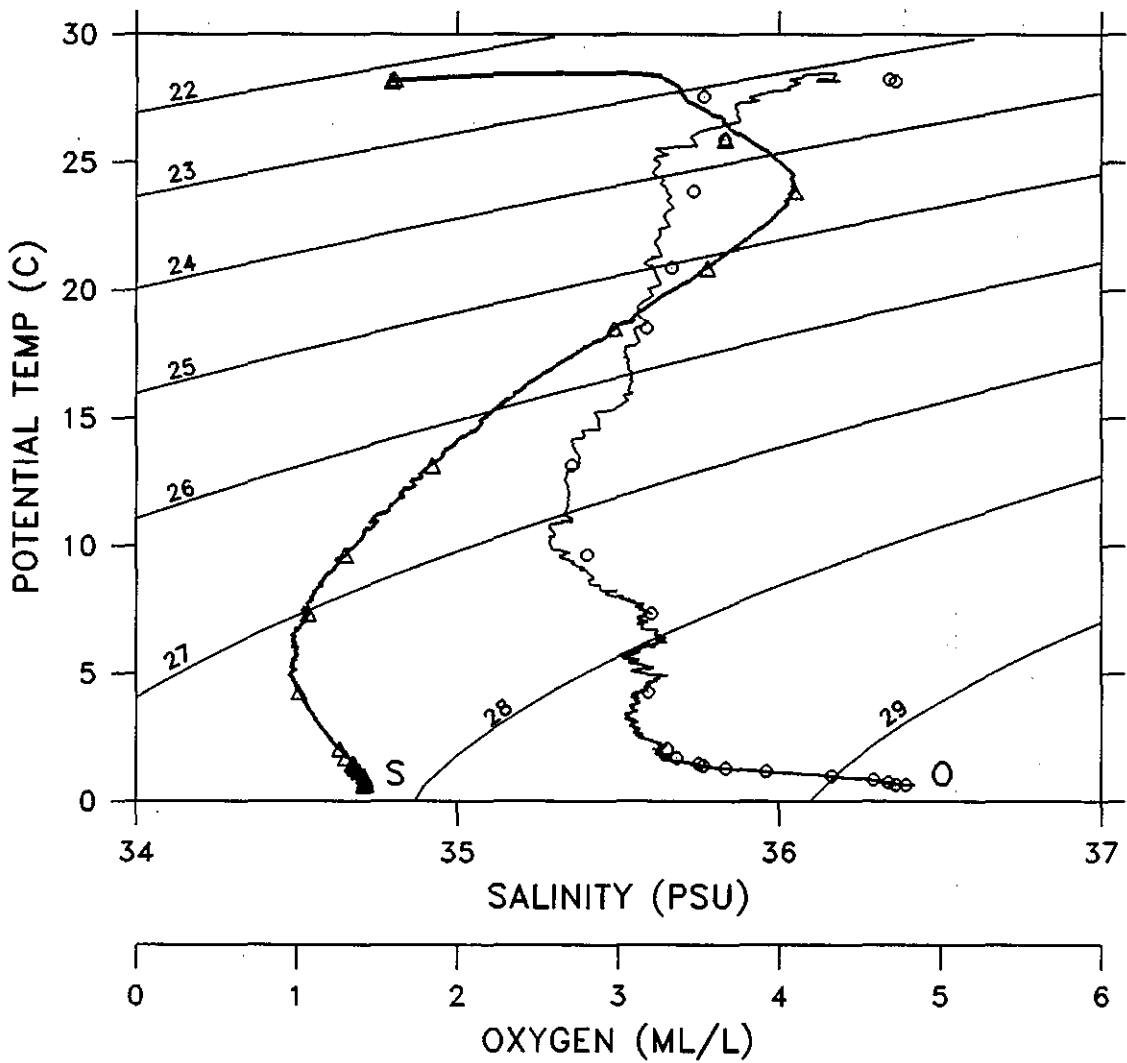


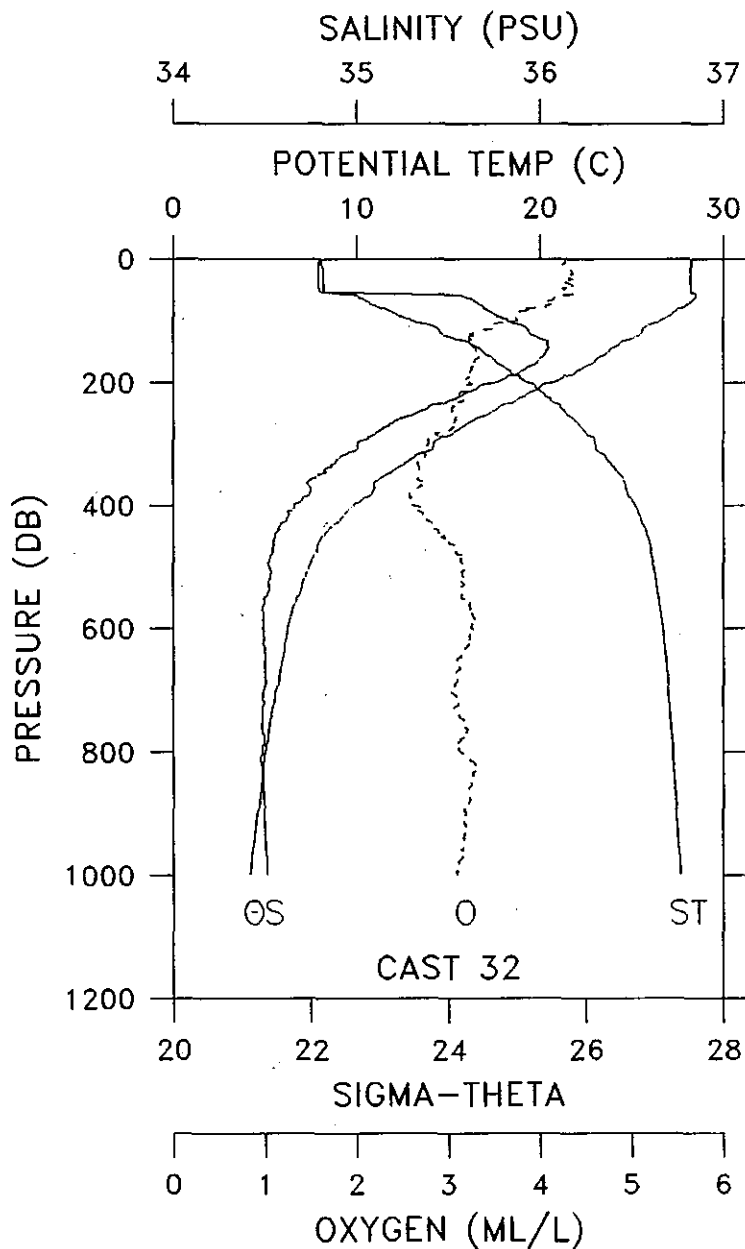


CAST TW2-87-OC-031 DATE 16 JUN 87 TIME 1229 GMT
 LAT 10 07.1S LONG 170 41.3W WEATHER 1 SEA STATE 4
 BAROMETER 10 WIND DIR 135 T SPD 14 KT VISIBILITY 8
 CLOUD X AMOUNT 3 DRY 28.0 WET 25.0 DEPTH 4700 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.002	34.786	4.53	21.905	0.000
10	28.999	34.786	4.53	21.906	0.059
20	29.002	34.785	4.59	21.905	0.118
30	29.002	34.787	4.57	21.906	0.177
40	28.998	34.792	4.45	21.910	0.236
50	28.929	34.813	4.63	21.950	0.295
60	28.864	34.833	4.65	21.987	0.354
70	28.781	35.597	4.64	22.588	0.411
80	28.030	35.784	4.41	22.977	0.461
90	27.365	35.853	4.25	23.245	0.509
100	26.969	35.929	4.10	23.430	0.555
110	26.265	36.048	3.99	23.743	0.598
120	25.573	36.088	3.81	23.989	0.639
130	24.895	36.127	3.74	24.227	0.678
140	23.671	36.082	3.73	24.560	0.713
150	23.102	36.042	3.58	24.696	0.747
160	22.085	35.941	3.54	24.910	0.779
170	20.830	35.789	3.57	25.143	0.809
180	19.513	35.607	3.29	25.354	0.837
190	18.287	35.463	3.13	25.557	0.863
200	17.872	35.413	2.95	25.621	0.888
250	14.638	35.066	2.48	26.103	0.998
300	12.018	34.851	1.96	26.471	1.087
350	9.962	34.724	1.86	26.743	1.161
400	9.090	34.677	2.00	26.851	1.227
450	8.061	34.608	2.52	26.958	1.288
500	7.552	34.589	2.49	27.017	1.345
550	6.991	34.561	2.58	27.074	1.400
600	6.469	34.536	2.68	27.125	1.452
650	6.124	34.522	2.78	27.160	1.502
700	5.819	34.516	2.89	27.193	1.551
750	5.540	34.506	2.96	27.220	1.599
800	5.237	34.506	2.93	27.256	1.645
900	4.749	34.522	2.60	27.325	1.732
1000	4.345	34.527	2.73	27.373	1.815
1500	2.798	34.590	2.97	27.576	2.165
2000	2.041	34.638	3.20	27.678	2.440
2500	1.636	34.666	3.25	27.732	2.681
3000	1.429	34.679	3.44	27.758	2.909
3500	1.258	34.689	3.66	27.778	3.131
4000	1.009	34.708	4.23	27.810	3.346
4500	0.722	34.714	4.66	27.833	3.535
4761	0.703	34.713	4.71	27.834	3.634

CAST TW2-87-OC-032 DATE 17 JUN 87 TIME 0253 GMT
LAT 12 30.2S LONG 170 00.0W

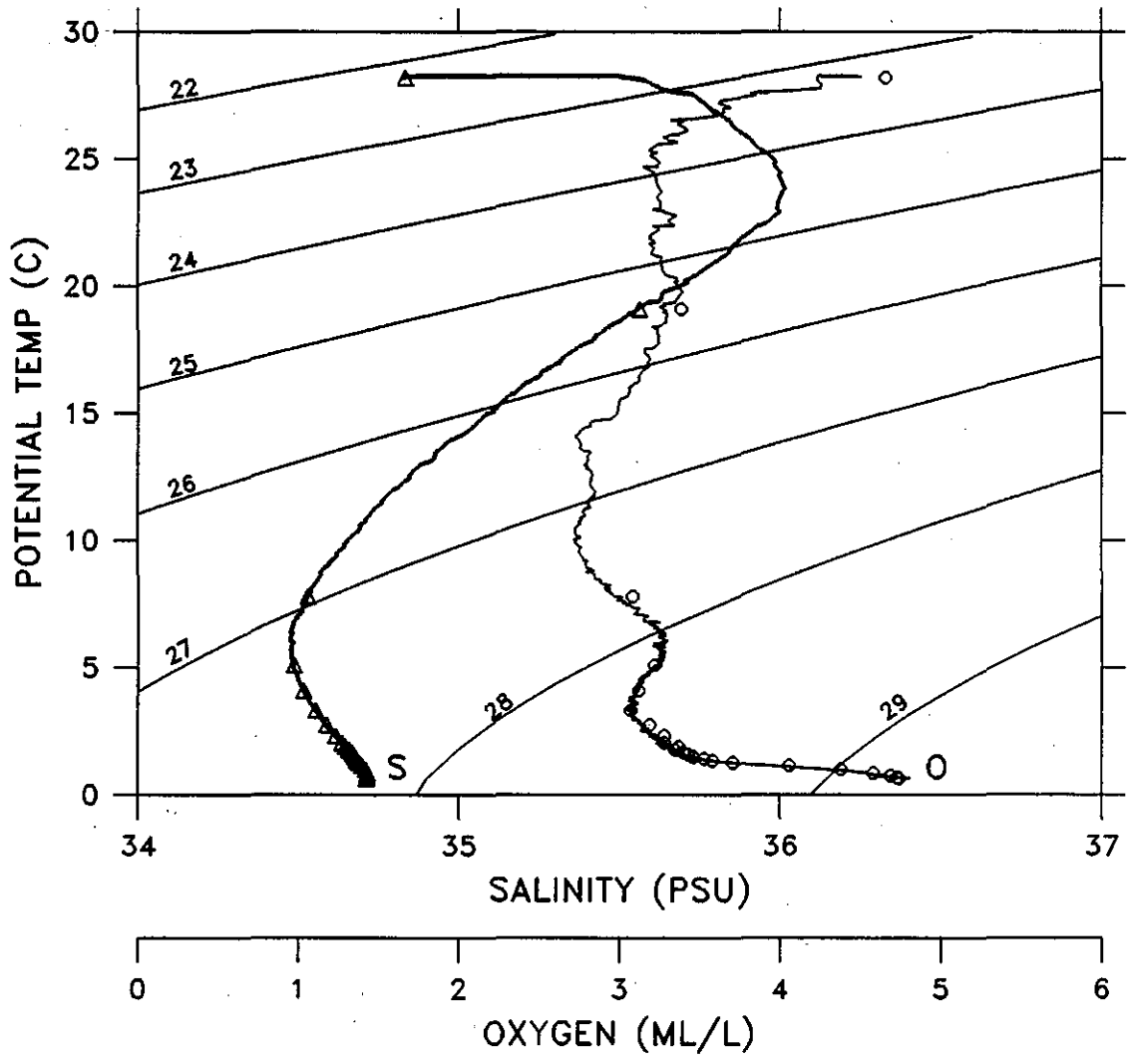




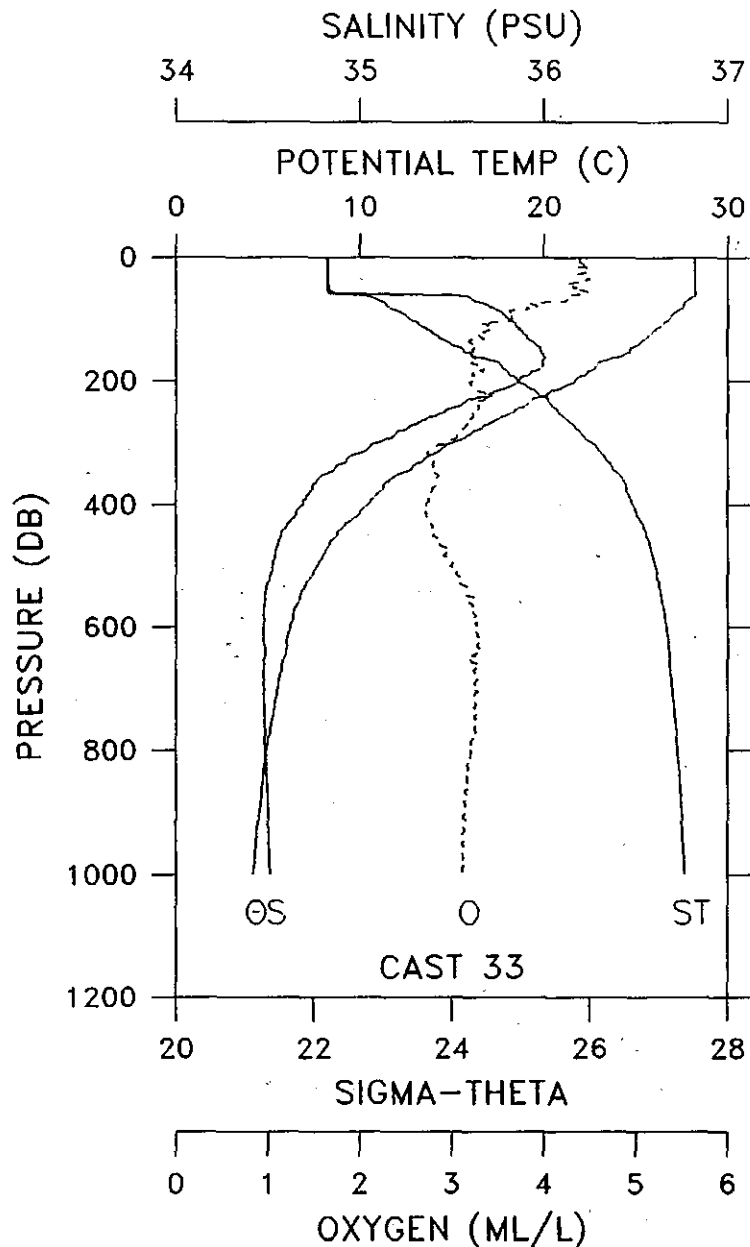
CAST TW2-87-OC-032 DATE 17 JUN 87 TIME 0253 GMT
 LAT 12 30.2S LONG 170 00.0W WEATHER 0 SEA STATE 2
 BAROMETER 09 WIND DIR 140 T SPD 10 KT VISIBILITY 9
 CLOUD 8 AMOUNT 1 DRY 27 0 WET 22.5 DEPTH 5001 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.258	34.794	4.28	22.157	0.000
10	28.249	34.793	4.25	22.160	0.057
20	28.195	34.790	4.35	22.175	0.113
30	28.187	34.790	4.32	22.178	0.170
40	28.184	34.791	4.32	22.179	0.226
50	28.188	34.795	4.27	22.181	0.283
60	28.454	35.583	4.24	22.686	0.338
70	28.136	35.660	4.10	22.848	0.389
80	27.517	35.705	3.81	23.085	0.439
90	27.128	35.754	3.73	23.247	0.486
100	26.521	35.833	3.70	23.500	0.531
110	25.756	35.919	3.48	23.805	0.574
120	25.540	35.947	3.26	23.893	0.615
130	24.961	36.009	3.26	24.118	0.655
140	24.178	36.046	3.26	24.382	0.691
150	23.731	36.035	3.32	24.506	0.727
160	23.133	36.000	3.31	24.656	0.761
170	22.782	35.974	3.29	24.737	0.794
180	22.004	35.900	3.24	24.902	0.826
190	21.292	35.816	3.22	25.036	0.857
200	20.659	35.745	3.23	25.155	0.886
250	17.183	35.316	3.04	25.714	1.016
300	14.228	35.008	2.79	26.146	1.122
350	11.579	34.789	2.68	26.505	1.212
400	9.849	34.659	2.62	26.712	1.287
450	8.186	34.555	2.93	26.897	1.353
500	7.366	34.529	3.18	26.997	1.412
550	6.742	34.498	3.14	27.059	1.468
600	6.226	34.489	3.26	27.120	1.520
650	5.957	34.500	3.10	27.163	1.570
700	5.606	34.495	3.03	27.203	1.619
750	5.290	34.486	3.16	27.234	1.666
800	5.031	34.485	3.13	27.263	1.711
900	4.610	34.498	3.19	27.321	1.798
1000	4.187	34.511	3.11	27.378	1.880
1500	2.750	34.587	3.10	27.578	2.223
2000	2.029	34.638	3.24	27.679	2.498
2500	1.710	34.663	3.28	27.724	2.742
3000	1.478	34.677	3.46	27.753	2.976
3500	1.303	34.685	3.65	27.772	3.202
4000	1.039	34.710	4.25	27.809	3.419
4500	0.695	34.714	4.70	27.835	3.611
5000	0.645	34.712	4.83	27.837	3.799
5070	0.644	34.712	4.81	27.837	3.826

CAST TW2-87-OC-033 DATE 17 JUN 87 TIME 1116 GMT
LAT 13 28.9S LONG 170 18.8W

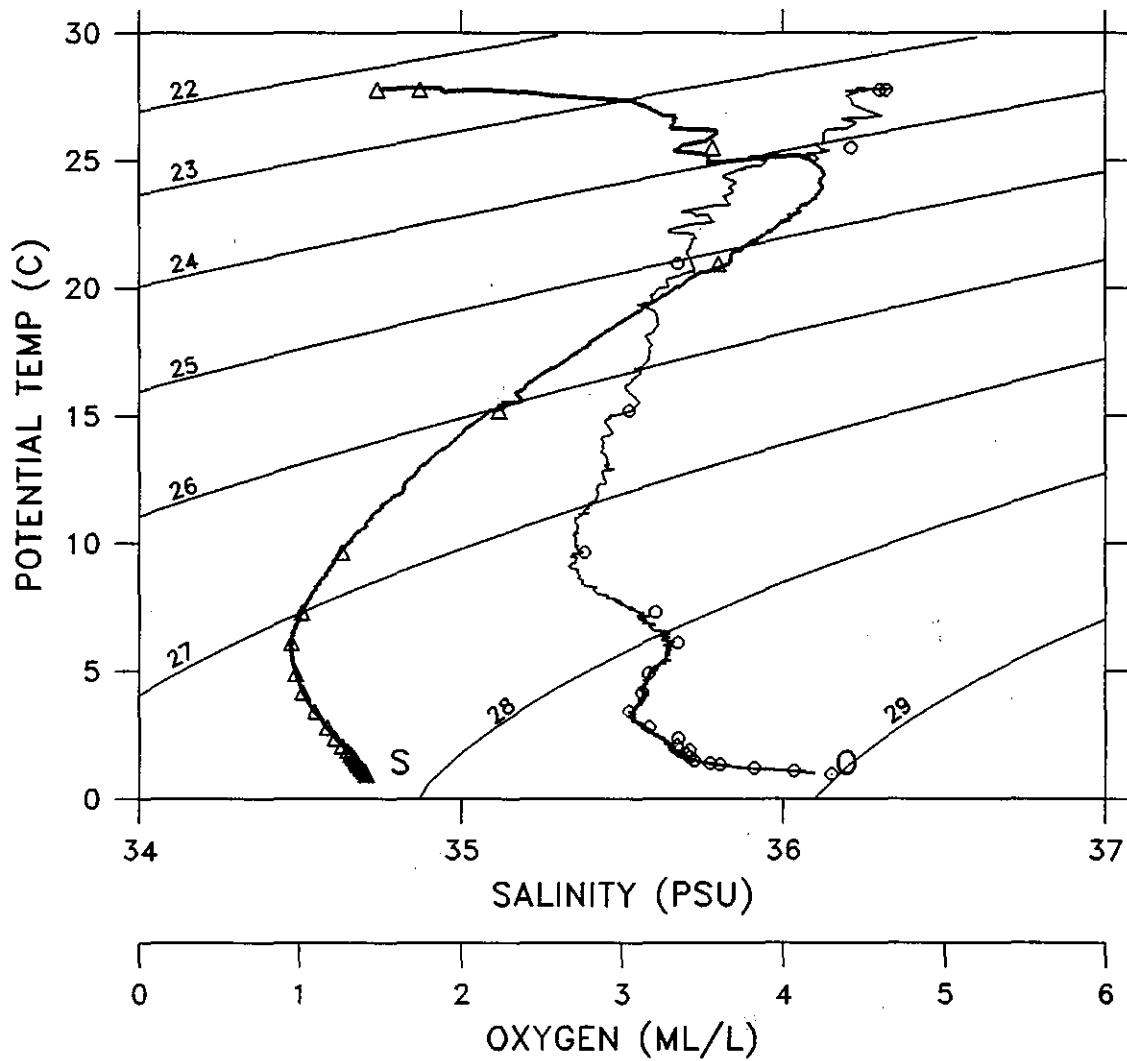


CAST TW2-87-OC-033 DATE 17 JUN 87 TIME 1116 GMT
 LAT 13 28.9S LONG 170 18.8W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 160 T SPD 14 KT VISIBILITY 8
 CLOUD 6 AMOUNT 5 DRY 26.0 WET 22.0 DEPTH 4866 M

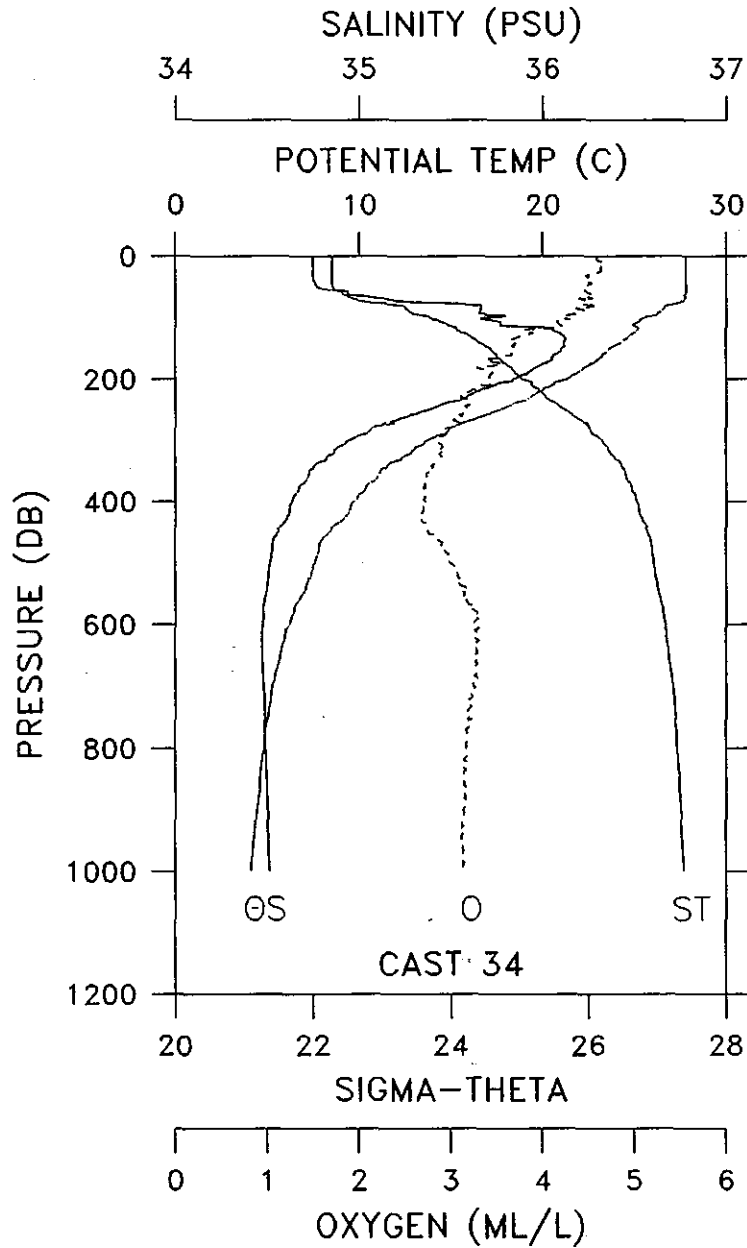


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.228	34.829	4.40	22.193	0.000
10	28.225	34.829	4.43	22.194	0.056
20	28.226	34.828	4.44	22.194	0.113
30	28.232	34.830	4.45	22.193	0.169
40	28.233	34.829	4.37	22.192	0.225
50	28.234	34.833	4.31	22.195	0.282
60	28.269	35.189	4.35	22.451	0.338
70	27.770	35.624	4.25	22.941	0.389
80	27.592	35.713	3.87	23.066	0.438
90	27.044	35.775	3.68	23.290	0.485
100	26.783	35.812	3.63	23.401	0.531
110	26.423	35.848	3.37	23.542	0.575
120	25.955	35.887	3.37	23.719	0.618
130	25.686	35.911	3.35	23.820	0.660
140	25.251	35.956	3.23	23.989	0.700
150	24.711	35.986	3.22	24.176	0.739
160	24.199	36.001	3.23	24.342	0.776
170	23.013	35.992	3.23	24.684	0.811
180	22.766	35.984	3.36	24.749	0.844
190	22.235	35.918	3.25	24.851	0.876
200	21.684	35.861	3.22	24.962	0.907
250	18.322	35.458	3.22	25.544	1.045
300	14.970	35.082	2.99	26.042	1.159
350	12.132	34.817	2.83	26.422	1.253
400	10.460	34.693	2.73	26.633	1.332
450	8.760	34.572	2.79	26.821	1.402
500	7.653	34.524	2.98	26.951	1.464
550	6.790	34.485	3.22	27.042	1.521
600	6.198	34.475	3.24	27.113	1.574
650	5.866	34.479	3.25	27.158	1.624
700	5.537	34.479	3.26	27.199	1.673
750	5.218	34.480	3.24	27.238	1.719
800	4.928	34.488	3.21	27.277	1.764
900	4.508	34.501	3.15	27.335	1.850
1000	4.192	34.513	3.12	27.379	1.931
1500	2.786	34.583	3.13	27.572	2.278
2000	2.059	34.635	3.25	27.674	2.557
2500	1.706	34.662	3.35	27.724	2.804
3000	1.492	34.676	3.45	27.751	3.038
3500	1.294	34.686	3.64	27.773	3.265
4000	1.012	34.709	4.26	27.811	3.480
4500	0.695	34.713	4.70	27.835	3.672
4889	0.648	34.712	4.78	27.837	3.818

CAST TW2-87-OC-034 DATE 17 JUN 87 TIME 1802 GMT
LAT 14 00.5S LONG 170 28.0W

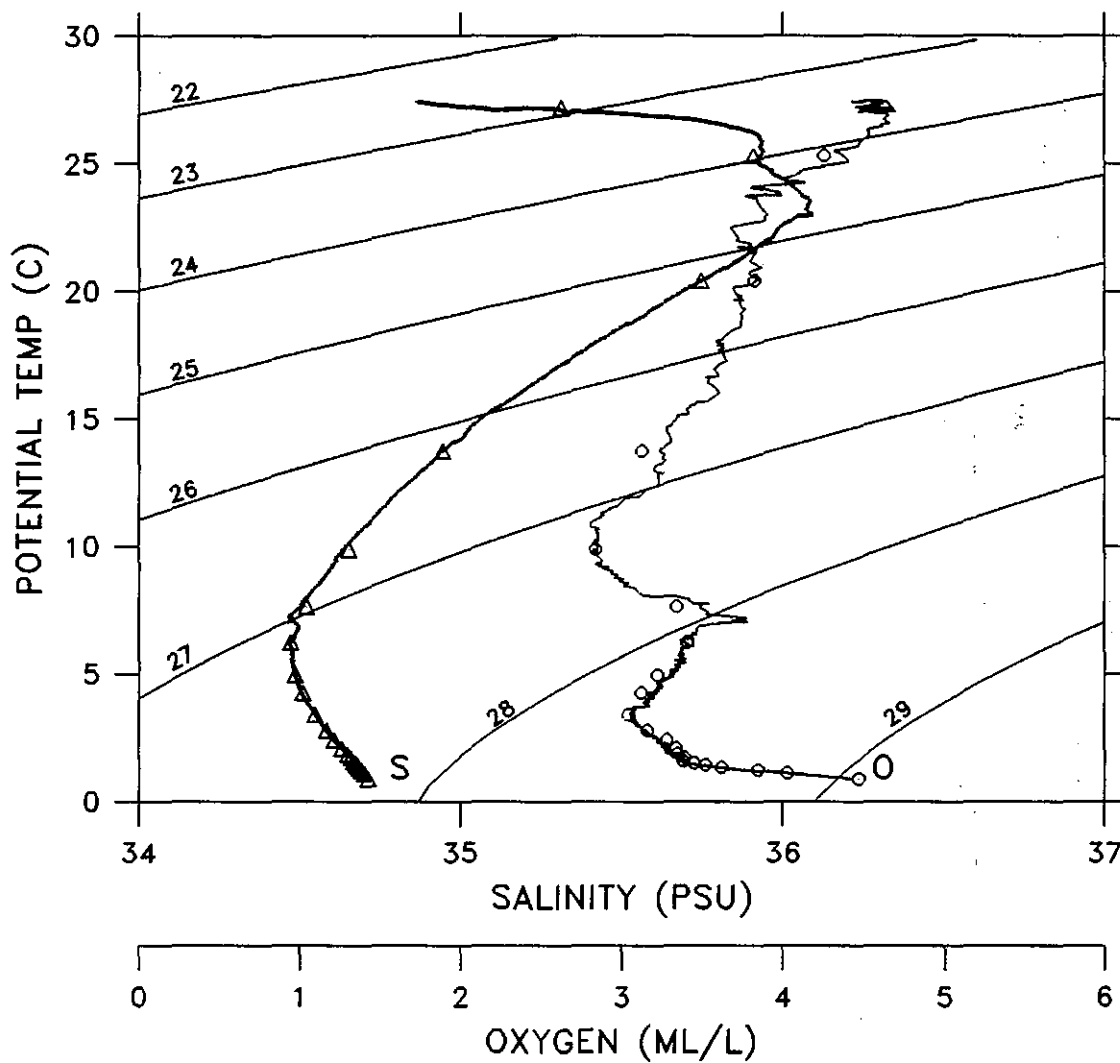


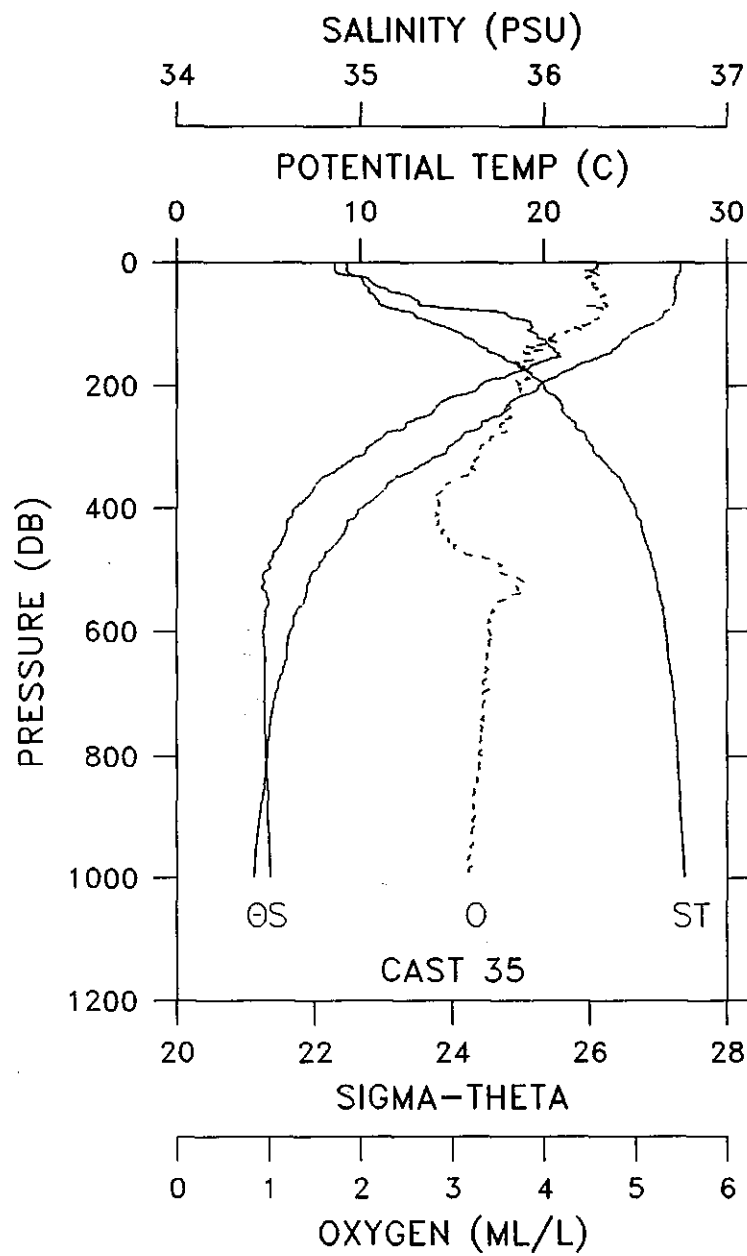
CAST TW2-87-OC-034 DATE 17 JUN 87 TIME 1802 GMT
 LAT 14 00.5S LONG 170 28.0W WEATHER 1 SEA STATE 2
 BAROMETER 12 WIND DIR 130 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 26.2 WET 23.5 DEPTH 3626 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.792	34.748	4.59	22.275	0.000
10	27.790	34.749	4.63	22.276	0.056
20	27.802	34.752	4.64	22.275	0.111
30	27.801	34.750	4.47	22.274	0.167
40	27.804	34.757	4.48	22.278	0.222
50	27.822	34.772	4.51	22.283	0.278
60	27.778	34.937	4.52	22.421	0.333
70	27.681	35.184	4.45	22.639	0.386
80	26.751	35.663	4.60	23.299	0.436
90	26.424	35.656	4.44	23.397	0.482
100	25.405	35.670	4.25	23.725	0.525
110	24.972	35.769	4.17	23.933	0.567
120	25.140	36.055	3.80	24.097	0.606
130	24.683	36.117	3.77	24.284	0.644
140	24.302	36.119	3.65	24.400	0.680
150	23.637	36.107	3.66	24.589	0.715
160	23.262	36.064	3.67	24.666	0.749
170	22.950	36.049	3.43	24.745	0.782
180	22.287	35.968	3.29	24.874	0.814
190	21.916	35.925	3.44	24.946	0.845
200	21.344	35.838	3.41	25.039	0.875
250	17.623	35.371	3.17	25.650	1.010
300	13.698	34.944	2.88	26.208	1.117
350	11.205	34.731	2.78	26.529	1.204
400	9.774	34.637	2.72	26.707	1.279
450	8.405	34.563	2.76	26.869	1.346
500	7.596	34.516	3.00	26.954	1.407
550	6.971	34.495	3.15	27.025	1.464
600	6.186	34.474	3.26	27.113	1.518
650	5.723	34.474	3.28	27.172	1.567
700	5.288	34.481	3.25	27.230	1.615
750	5.029	34.487	3.20	27.265	1.660
800	4.838	34.491	3.17	27.290	1.704
900	4.437	34.503	3.13	27.345	1.788
1000	4.103	34.514	3.15	27.389	1.868
1500	2.822	34.582	3.14	27.567	2.214
2000	2.089	34.631	3.32	27.669	2.496
2500	1.757	34.659	3.35	27.717	2.746
3000	1.500	34.674	3.42	27.749	2.983
3500	1.272	34.688	3.68	27.776	3.210
3939	0.986	34.706	4.19	27.810	3.396

CAST TW2-87-OC-035 DATE 19 JUN 87 TIME 0002 GMT
LAT 14 36.5S LONG 171 00.0W

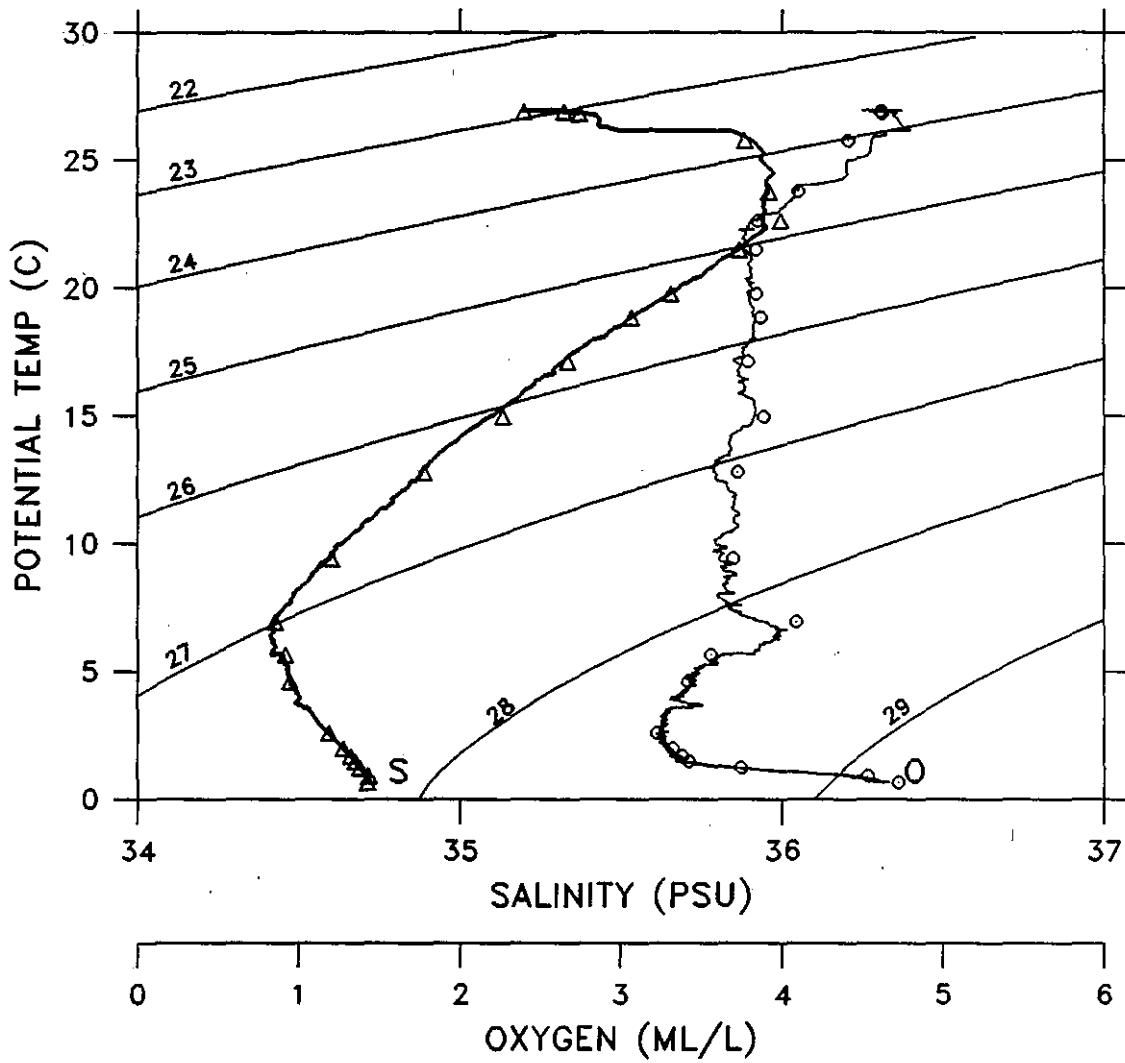


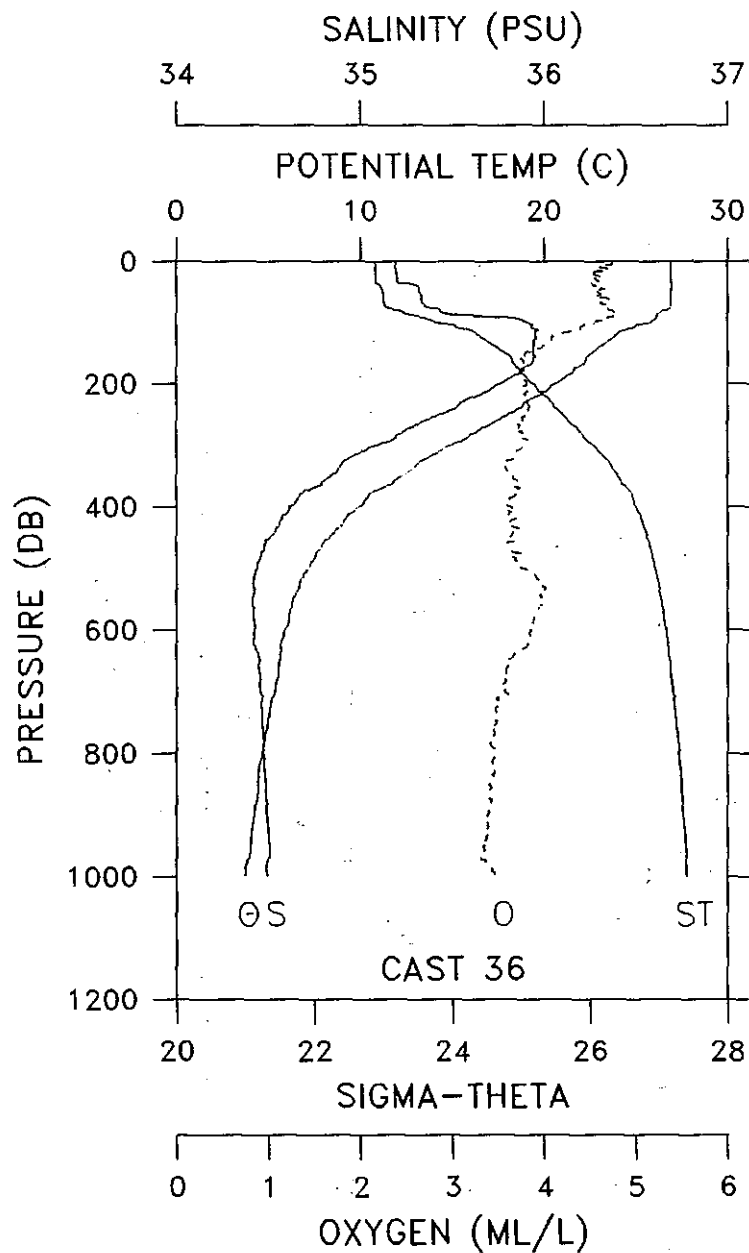


CAST TW2-87-OC-035 DATE 19 JUN 87 TIME 0002 GMT
 LAT 14 36.5S LONG 171 00.0W WEATHER 1 SEA STATE 4
 BAROMETER 14 WIND DIR 100 T SPD 21 KT VISIBILITY 8
 CLOUD 1 AMOUNT 5 DRY 27.8 WET 24.0 DEPTH 3993 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.462	34.862	4.59	22.468	0.000
10	27.445	34.862	4.57	22.473	0.054
20	27.361	34.912	4.60	22.538	0.107
30	27.178	35.053	4.50	22.703	0.159
40	27.110	35.098	4.49	22.758	0.210
50	27.167	35.205	4.64	22.821	0.261
60	27.155	35.297	4.67	22.894	0.311
70	27.043	35.343	4.69	22.965	0.361
80	26.671	35.749	4.63	23.389	0.408
90	26.456	35.836	4.62	23.523	0.453
100	25.863	35.937	4.48	23.785	0.495
110	25.063	35.917	4.41	24.017	0.536
120	24.616	35.967	4.10	24.191	0.574
130	24.229	36.017	4.09	24.345	0.611
140	23.770	36.063	3.99	24.516	0.647
150	23.205	36.073	3.88	24.690	0.681
160	22.502	35.990	3.68	24.829	0.713
170	21.722	35.922	3.72	24.998	0.744
180	20.920	35.819	3.87	25.141	0.774
190	20.197	35.715	3.75	25.256	0.802
200	19.701	35.649	3.75	25.337	0.829
250	17.428	35.349	3.64	25.681	0.956
300	14.782	35.040	3.31	26.051	1.066
350	11.933	34.787	3.08	26.437	1.161
400	10.040	34.645	2.84	26.668	1.239
450	8.863	34.578	2.98	26.810	1.308
500	7.601	34.500	3.49	26.940	1.371
550	6.927	34.495	3.54	27.031	1.428
600	6.188	34.470	3.41	27.110	1.481
650	5.881	34.479	3.36	27.156	1.532
700	5.335	34.479	3.33	27.223	1.580
750	5.075	34.482	3.32	27.256	1.626
800	4.923	34.485	3.32	27.276	1.670
900	4.513	34.497	3.24	27.331	1.756
1000	4.168	34.510	3.19	27.379	1.837
1500	2.802	34.582	3.13	27.570	2.187
2000	2.136	34.628	3.27	27.663	2.469
2500	1.758	34.656	3.32	27.715	2.721
3000	1.526	34.672	3.39	27.745	2.959
3500	1.305	34.685	3.65	27.772	3.188
3990	0.898	34.711	4.42	27.820	3.396

CAST TW2-87-OC-036 DATE 19 JUN 87 TIME 0706 GMT
LAT 15 00.2S LONG 171 30.8W

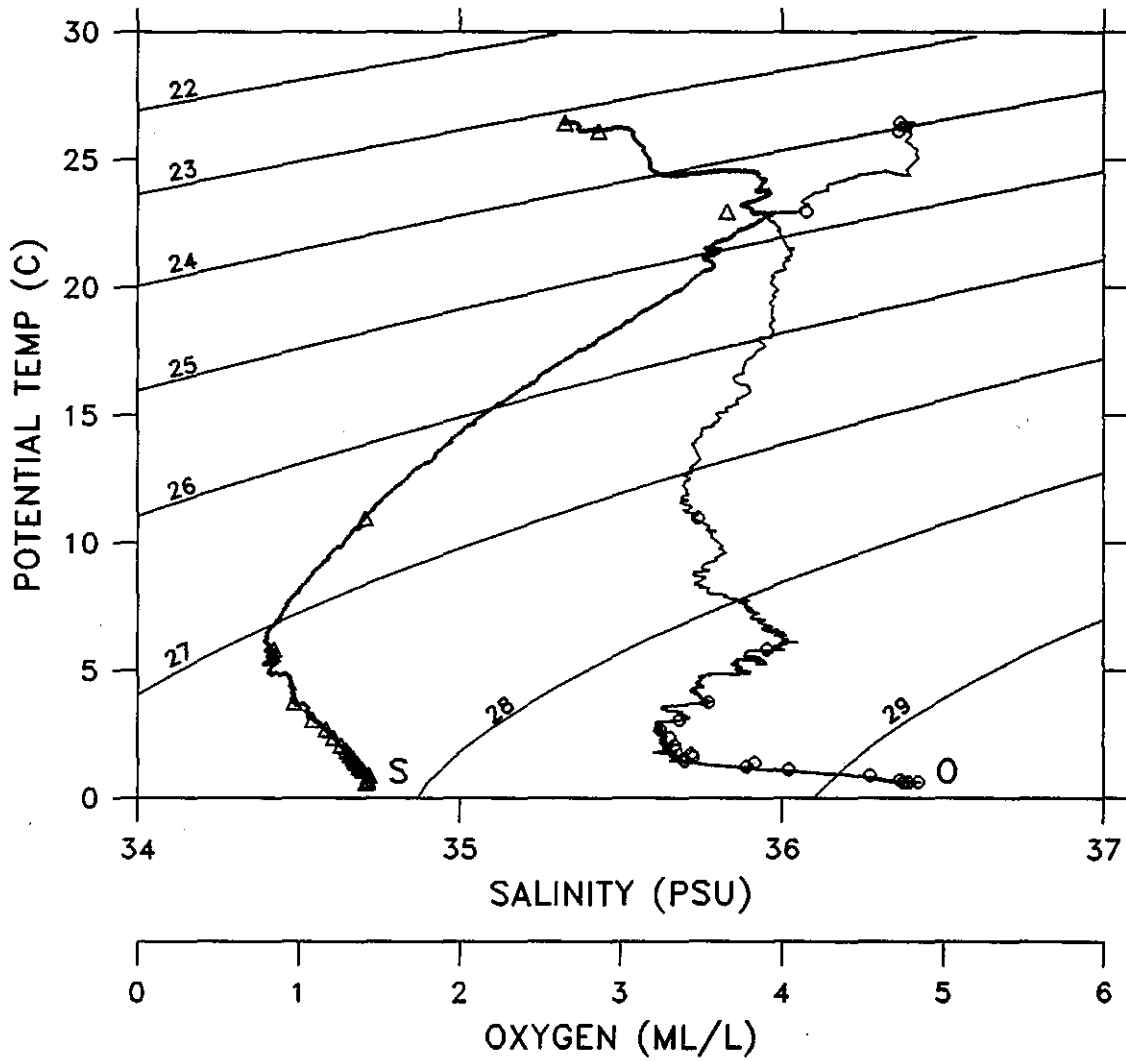




CAST TW2-87-OC-036 DATE 19 JUN 87 TIME 0706 GMT
 LAT 15 00.2S LONG 171 30.8W WEATHER 2 SEA STATE 3
 BAROMETER 14 WIND DIR 125 T SPD 17 KT VISIBILITY 7
 CLOUD 8 AMOUNT 7 DRY 27.0 WET 24.5 DEPTH 4375 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.940	35.194	4.74	22.885	0.000
10	26.938	35.193	4.66	22.885	0.050
20	26.943	35.198	4.55	22.887	0.099
30	26.947	35.202	4.56	22.889	0.149
40	26.958	35.300	4.57	22.959	0.199
50	26.905	35.320	4.59	22.991	0.248
60	26.906	35.332	4.67	23.000	0.296
70	26.895	35.348	4.68	23.015	0.345
80	26.503	35.434	4.73	23.205	0.393
90	26.164	35.690	4.76	23.505	0.439
100	25.769	35.909	4.55	23.793	0.482
110	24.774	35.953	4.40	24.132	0.521
120	23.949	35.955	4.10	24.381	0.558
130	23.515	35.941	4.08	24.499	0.593
140	23.001	35.942	3.98	24.650	0.628
150	22.610	35.941	3.80	24.761	0.660
160	22.265	35.942	3.73	24.860	0.692
170	22.054	35.916	3.77	24.900	0.724
180	21.628	35.874	3.77	24.988	0.754
190	21.157	35.819	3.81	25.076	0.784
200	20.644	35.763	3.81	25.173	0.813
250	17.998	35.422	3.82	25.597	0.947
300	14.932	35.085	3.83	26.053	1.060
350	12.308	34.843	3.65	26.408	1.153
400	9.883	34.611	3.64	26.669	1.231
450	8.355	34.510	3.64	26.836	1.299
500	7.188	34.436	3.74	26.949	1.360
550	6.382	34.416	3.94	27.042	1.417
600	5.876	34.423	3.86	27.112	1.470
650	5.618	34.453	3.63	27.168	1.520
700	5.336	34.455	3.57	27.204	1.568
750	4.950	34.468	3.48	27.259	1.614
800	4.690	34.474	3.47	27.294	1.657
900	4.245	34.493	3.39	27.357	1.740
1000	3.733	34.495	3.47	27.412	1.817
1500	2.609	34.591	3.26	27.594	2.144
2000	2.021	34.636	3.30	27.678	2.416
2500	1.711	34.661	3.33	27.722	2.662
3000	1.493	34.674	3.38	27.749	2.897
3500	1.254	34.689	3.65	27.778	3.124
4000	0.930	34.716	4.41	27.822	3.331
4435	0.675	34.712	4.62	27.835	3.492

CAST TW2-87-OC-037 DATE 19 JUN 87 TIME 1432 GMT
LAT 14 58.6S LONG 172 28.1W

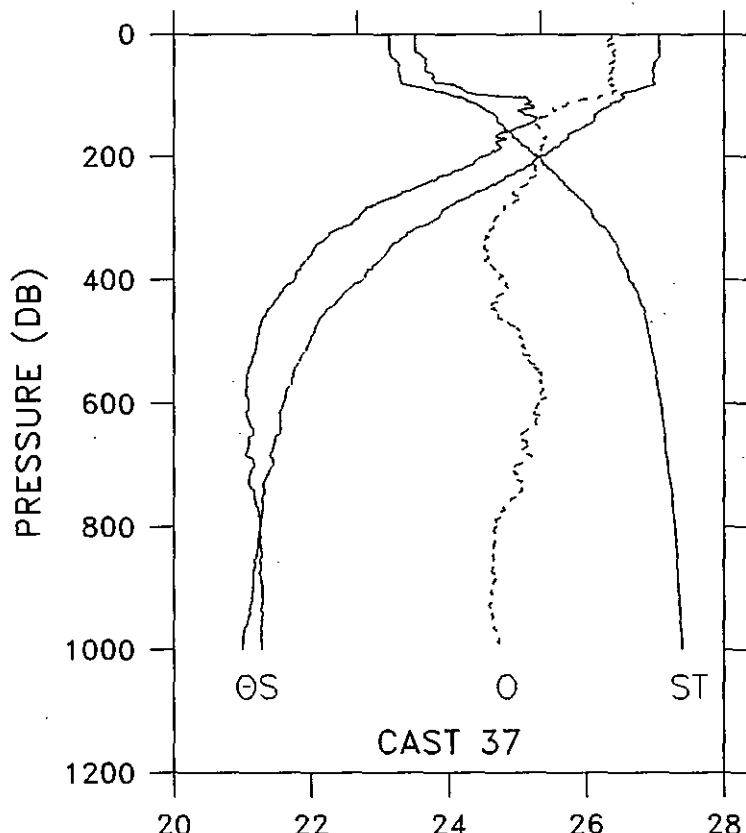


SALINITY (PSU)

34 35 36 37

POTENTIAL TEMP (C)

0 10 20 30



CAST 37

SIGMA-THETA

20 22 24 26 28

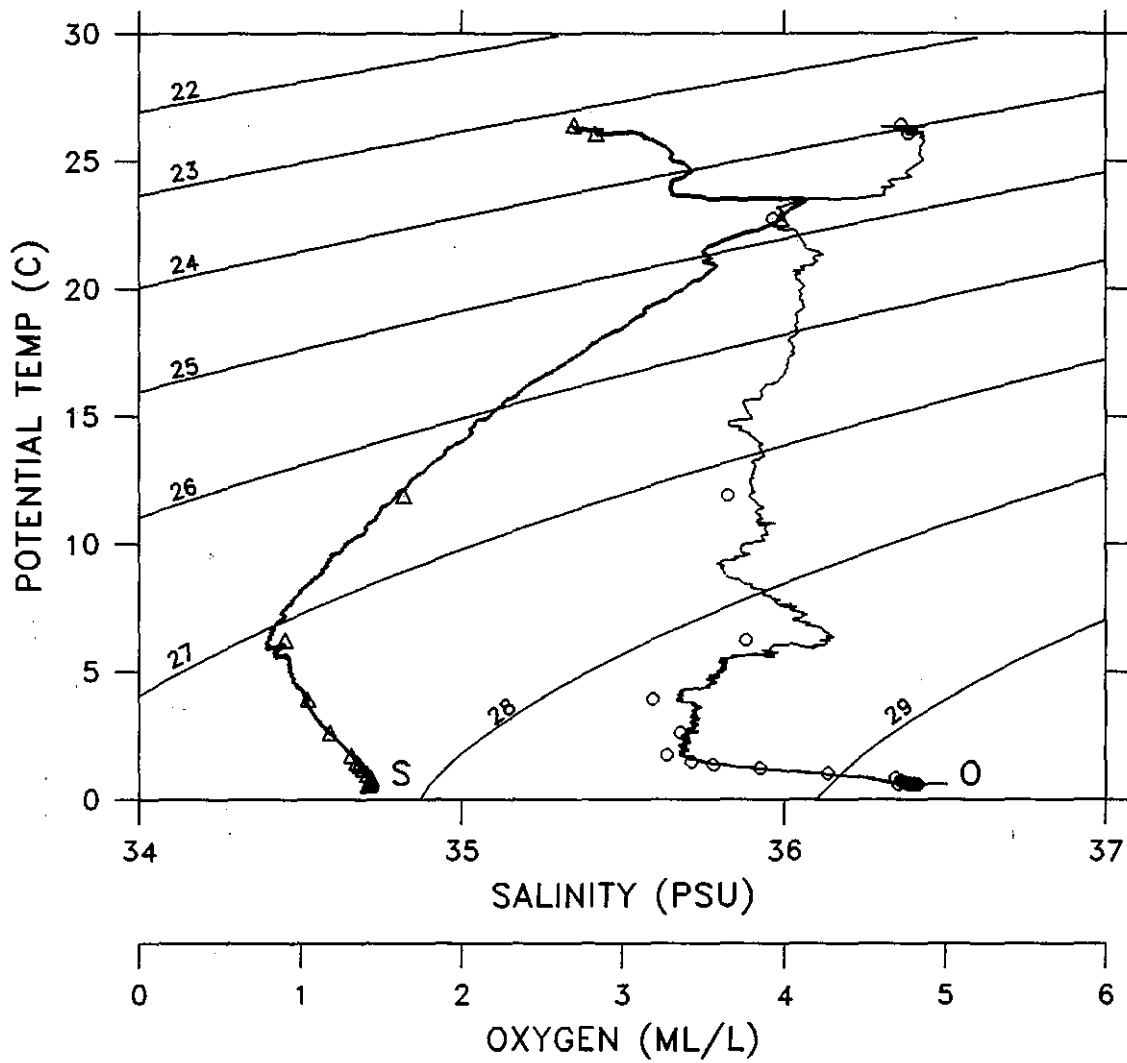
OXYGEN (ML/L)

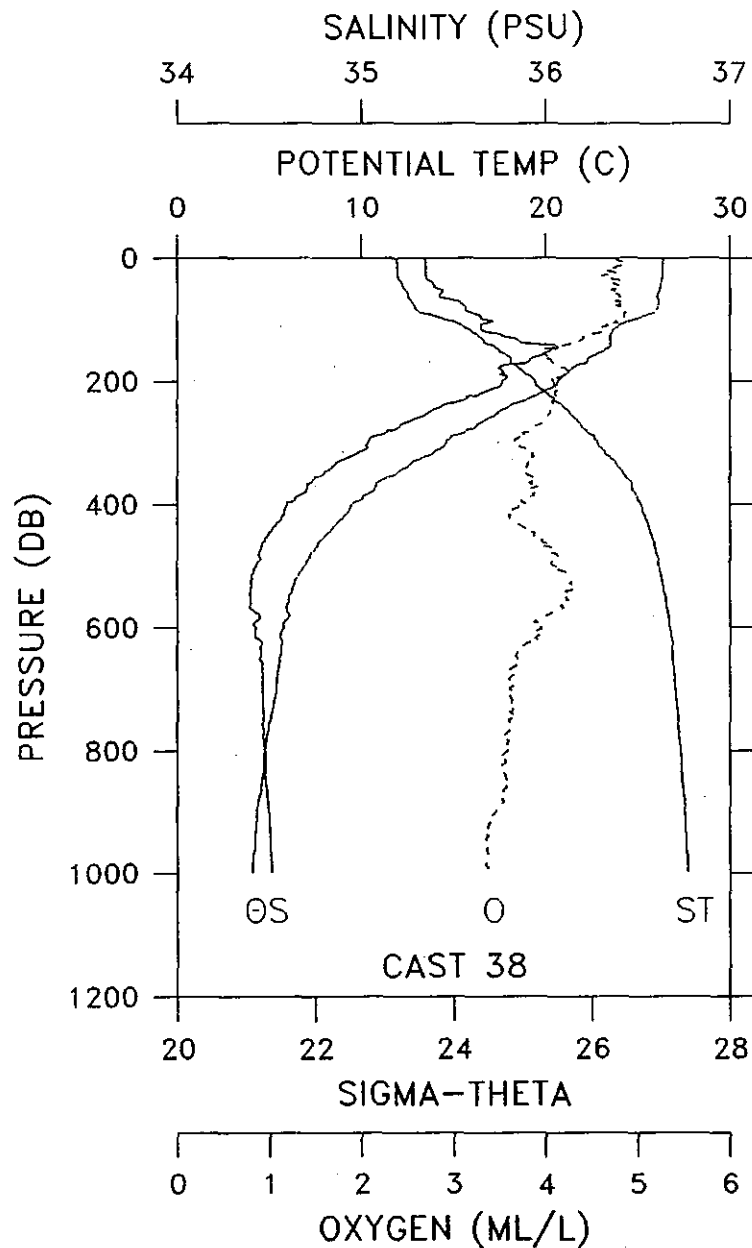
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CAST TW2-87-OC-037 DATE 19 JUN 87 TIME 1432 GMT
 LAT 14 58.6S LONG 172 28.1W WEATHER 1 SEA STATE 2
 BAROMETER 14 WIND DIR 105 T SPD 12 KT VISIBILITY 6
 CLOUD X AMOUNT 4 DRY 25.7 WET 24.3 DEPTH 5516 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.454	35.312	4.78	23.128	0.000
10	26.452	35.313	4.72	23.129	0.047
20	26.454	35.313	4.73	23.129	0.095
30	26.461	35.336	4.78	23.144	0.142
40	26.345	35.371	4.79	23.208	0.189
50	26.162	35.372	4.76	23.265	0.236
60	26.131	35.372	4.78	23.275	0.282
70	26.183	35.420	4.75	23.295	0.328
80	26.220	35.464	4.72	23.317	0.374
90	25.309	35.574	4.83	23.683	0.418
100	24.481	35.744	4.69	24.062	0.459
110	24.222	35.951	4.39	24.297	0.496
120	23.672	35.962	4.19	24.469	0.532
130	22.987	35.905	4.10	24.625	0.566
140	22.898	35.971	3.93	24.701	0.599
150	22.422	35.902	3.97	24.785	0.632
160	21.749	35.792	4.02	24.891	0.664
170	21.500	35.805	4.04	24.971	0.695
180	21.077	35.768	4.04	25.059	0.725
190	20.614	35.754	3.98	25.174	0.754
200	19.931	35.690	3.97	25.307	0.782
250	17.164	35.323	3.78	25.724	0.909
300	14.399	35.008	3.50	26.109	1.016
350	11.729	34.762	3.38	26.456	1.106
400	10.344	34.661	3.57	26.629	1.185
450	8.279	34.508	3.50	26.846	1.254
500	7.412	34.453	3.78	26.930	1.316
550	6.511	34.402	3.96	27.014	1.374
600	5.992	34.407	3.98	27.085	1.428
650	5.706	34.431	3.77	27.140	1.480
700	5.392	34.441	3.72	27.186	1.529
750	4.840	34.440	3.74	27.250	1.575
800	4.724	34.469	3.50	27.286	1.620
900	4.313	34.484	3.47	27.343	1.704
1000	3.763	34.481	3.55	27.398	1.783
1500	2.695	34.584	3.24	27.581	2.119
2000	2.058	34.633	3.28	27.673	2.395
2500	1.718	34.660	3.33	27.721	2.642
3000	1.493	34.674	3.35	27.749	2.877
3500	1.273	34.687	3.63	27.775	3.105
4000	0.921	34.716	4.39	27.823	3.315
4500	0.695	34.713	4.63	27.834	3.502
5000	0.634	34.711	4.73	27.836	3.689
5602	0.618	34.710	4.82	27.837	3.924

CAST TW2-87-OC-038 DATE 19 JUN 87 TIME 2128 GMT
LAT 15 00.5S LONG 172 53.7W

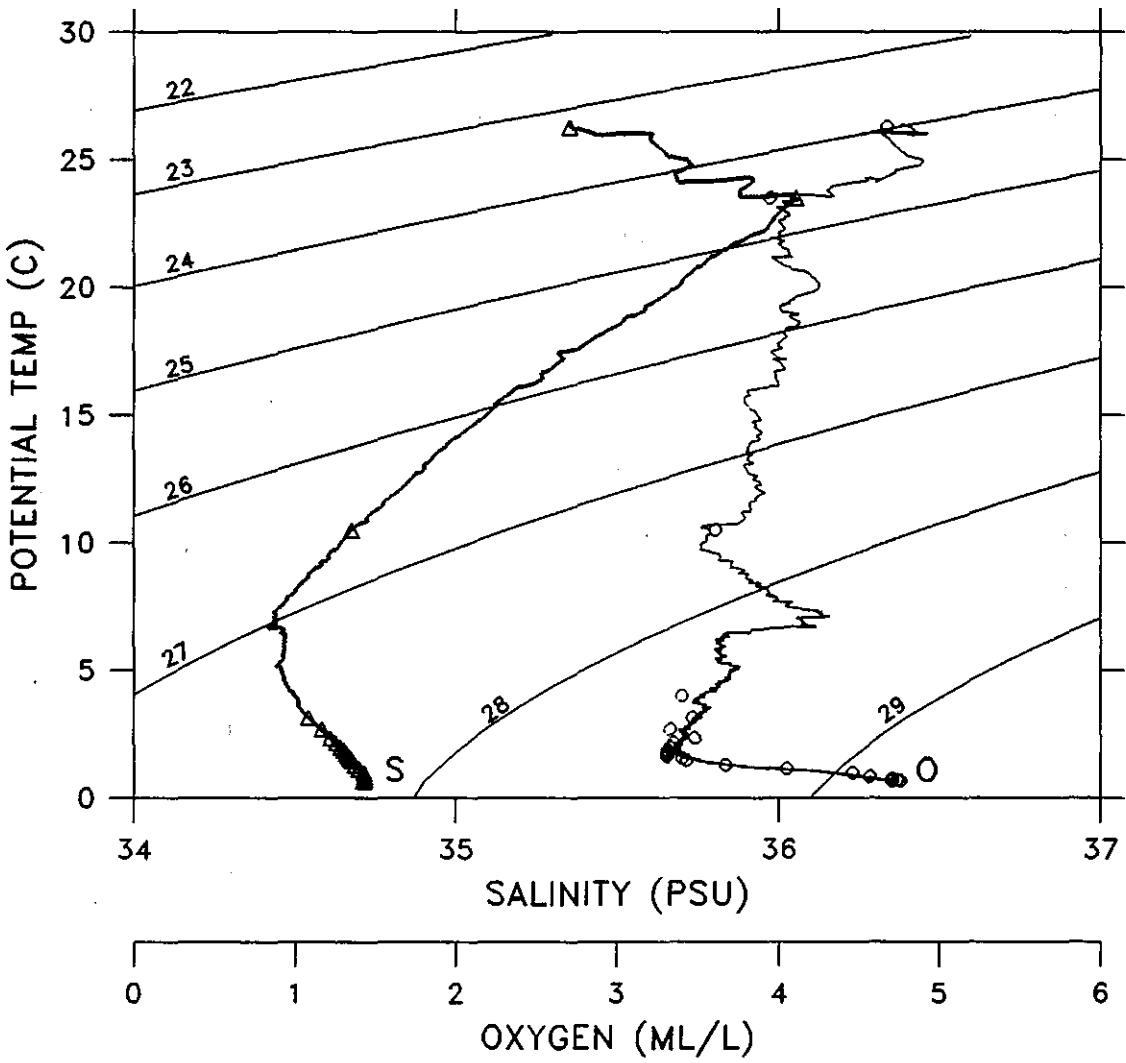


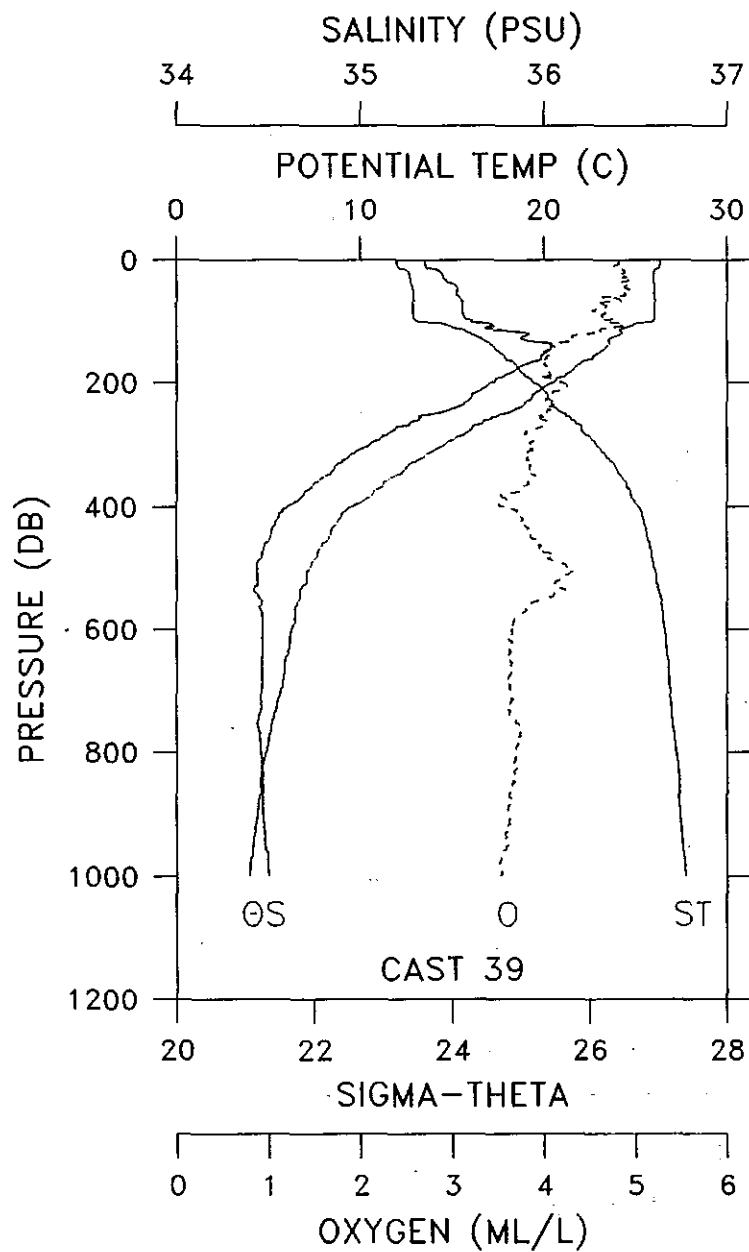


CAST TW2-87-OC-038 DATE 19 JUN 87 TIME 2128 GMT
 LAT 15 00.5S LONG 172 53.7W WEATHER 1 SEA STATE 3
 BAROMETER 16 WIND DIR 110 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 7 DRY 27.5 WET 24.5 DEPTH 6916 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.376	35.346	4.78	23.178	0.000
10	26.357	35.349	4.88	23.187	0.047
20	26.356	35.349	4.65	23.187	0.094
30	26.342	35.350	4.68	23.192	0.141
40	26.257	35.386	4.78	23.246	0.187
50	26.215	35.423	4.76	23.287	0.233
60	26.049	35.422	4.80	23.339	0.279
70	26.155	35.530	4.75	23.387	0.325
80	26.078	35.564	4.81	23.436	0.370
90	25.679	35.615	4.86	23.599	0.414
100	24.888	35.693	4.83	23.901	0.456
110	24.002	35.651	4.67	24.135	0.495
120	23.646	35.695	4.63	24.274	0.532
130	23.526	35.827	4.42	24.409	0.568
140	23.515	35.993	4.22	24.539	0.604
150	23.164	36.028	3.95	24.667	0.637
160	22.429	35.941	3.99	24.813	0.670
170	22.246	35.899	4.07	24.833	0.702
180	21.390	35.753	4.22	24.961	0.733
190	20.976	35.786	4.18	25.100	0.763
200	20.637	35.763	4.08	25.175	0.792
250	17.471	35.370	4.05	25.686	0.924
300	14.584	35.034	3.73	26.090	1.034
350	11.896	34.794	3.79	26.449	1.126
400	9.504	34.598	3.73	26.721	1.202
450	8.018	34.488	3.87	26.870	1.268
500	6.937	34.429	4.12	26.978	1.328
550	6.058	34.396	4.24	27.068	1.384
600	5.762	34.426	3.94	27.129	1.435
650	5.551	34.448	3.70	27.172	1.485
700	5.358	34.462	3.61	27.206	1.532
750	5.037	34.465	3.59	27.247	1.578
800	4.771	34.476	3.60	27.286	1.623
900	4.341	34.499	3.47	27.352	1.707
1000	4.062	34.512	3.36	27.391	1.787
1500	2.638	34.584	3.46	27.585	2.123
2000	2.094	34.631	3.37	27.669	2.400
2500	1.749	34.658	3.36	27.717	2.651
3000	1.481	34.674	3.51	27.750	2.887
3500	1.227	34.690	3.82	27.781	3.112
4000	0.863	34.716	4.49	27.826	3.314
4500	0.676	34.713	4.65	27.836	3.500
5000	0.623	34.710	4.73	27.837	3.686
6200	0.590	34.709	4.96	27.837	4.166

CAST TW2-87-OC-039 DATE 20 JUN 87 TIME 0355 GMT
LAT 15 00.0S LONG 173 07.8W

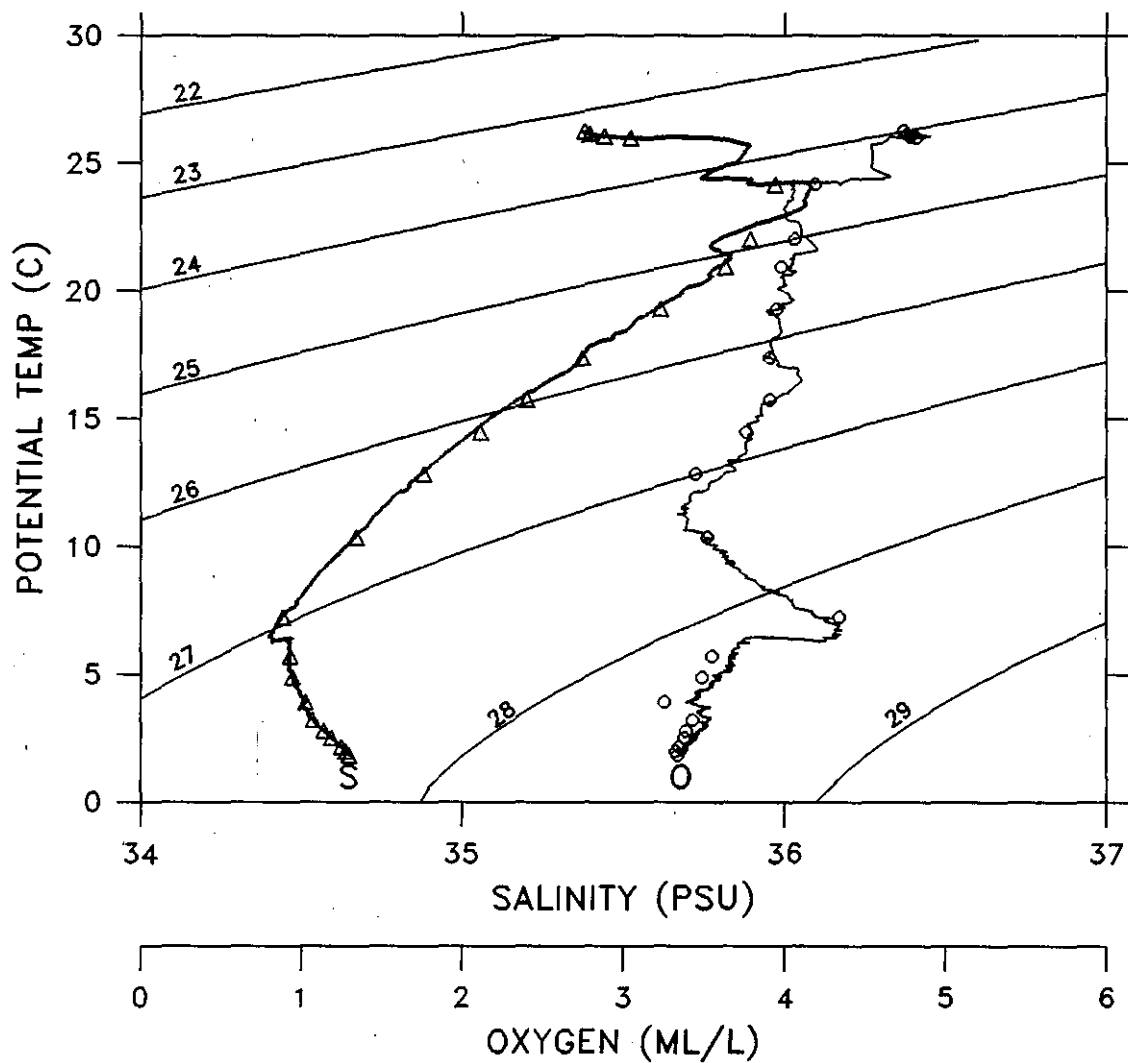




CAST TW2-87-OC-039 DATE 20 JUN 87 TIME 0355 GMT
 LAT 15 00.0S LONG 173 07.8W WEATHER 2 SEA STATE 2
 BAROMETER 13 WIND DIR 125 T SPD 14 KT VISIBILITY 8
 CLOUD 7 AMOUNT 1 DRY 25.6 WET 23.9 DEPTH 5063 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.335	35.353	4.82	23.197	0.000
10	26.301	35.358	4.80	23.211	0.047
20	25.986	35.437	4.88	23.369	0.093
30	25.962	35.457	4.83	23.392	0.138
40	26.026	35.508	4.89	23.411	0.182
50	26.012	35.525	4.89	23.428	0.227
60	26.026	35.539	4.64	23.433	0.272
70	26.070	35.559	4.62	23.436	0.317
80	26.054	35.558	4.61	23.439	0.361
90	26.059	35.565	4.63	23.443	0.406
100	25.952	35.607	4.65	23.508	0.451
110	24.562	35.696	4.73	24.002	0.492
120	24.212	35.923	4.55	24.279	0.530
130	23.560	35.888	4.33	24.446	0.566
140	23.478	36.041	4.10	24.585	0.600
150	23.098	36.019	3.98	24.680	0.634
160	22.671	35.983	4.04	24.776	0.667
170	21.943	35.902	4.00	24.920	0.698
180	21.536	35.843	4.03	24.990	0.729
190	20.998	35.772	3.99	25.084	0.759
200	20.473	35.717	4.20	25.184	0.788
250	17.694	35.395	3.99	25.651	0.920
300	14.566	35.048	3.85	26.104	1.030
350	11.933	34.809	3.91	26.454	1.121
400	9.536	34.601	3.63	26.719	1.197
450	8.287	34.509	3.86	26.845	1.264
500	7.265	34.437	4.25	26.939	1.325
550	6.651	34.458	4.03	27.040	1.382
600	6.296	34.469	3.68	27.095	1.436
650	5.904	34.464	3.63	27.141	1.487
700	5.622	34.460	3.64	27.173	1.537
750	5.216	34.442	3.69	27.208	1.585
800	4.868	34.460	3.69	27.262	1.631
900	4.429	34.471	3.62	27.320	1.717
1000	3.942	34.503	3.53	27.397	1.798
1500	2.648	34.586	3.40	27.586	2.131
2000	2.121	34.629	3.39	27.665	2.410
2500	1.714	34.659	3.38	27.721	2.662
3000	1.449	34.676	3.52	27.754	2.894
3500	1.148	34.697	3.95	27.792	3.111
4000	0.865	34.717	4.51	27.827	3.309
4500	0.710	34.714	4.65	27.834	3.496
5000	0.666	34.712	4.72	27.835	3.686
5001	0.665	34.712	4.72	27.835	3.686

CAST TW2-87-OC-040 DATE 20 JUN 87 TIME 0950 GMT
LAT 15 01.0S LONG 173 45.0W

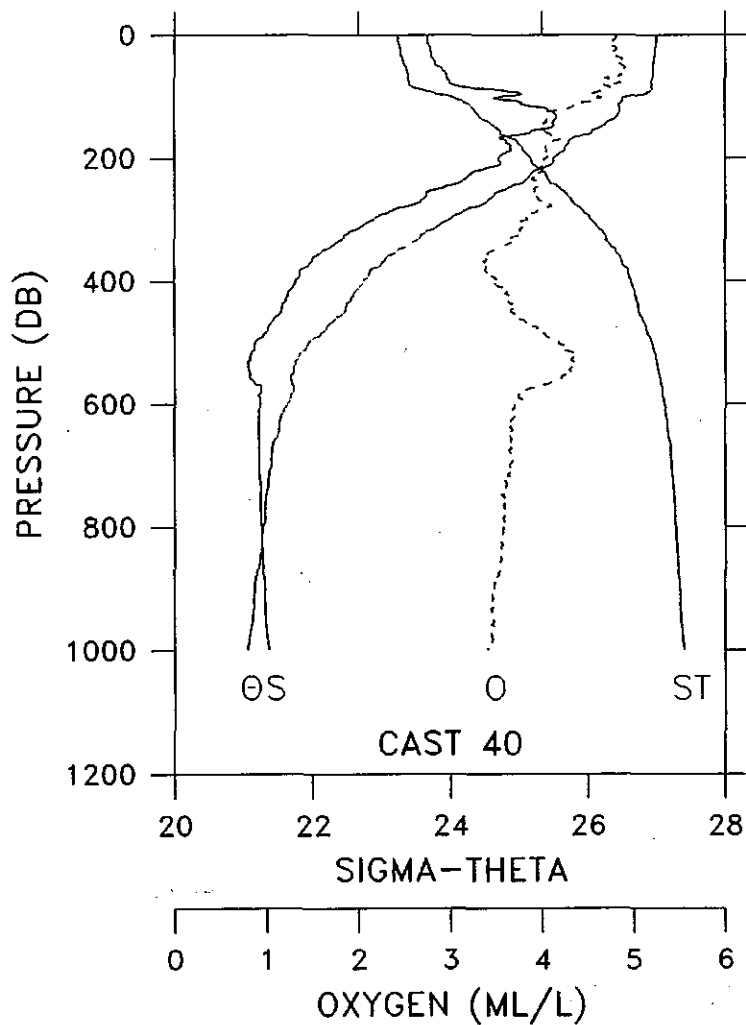


SALINITY (PSU)

34 35 36 37

POTENTIAL TEMP (C)

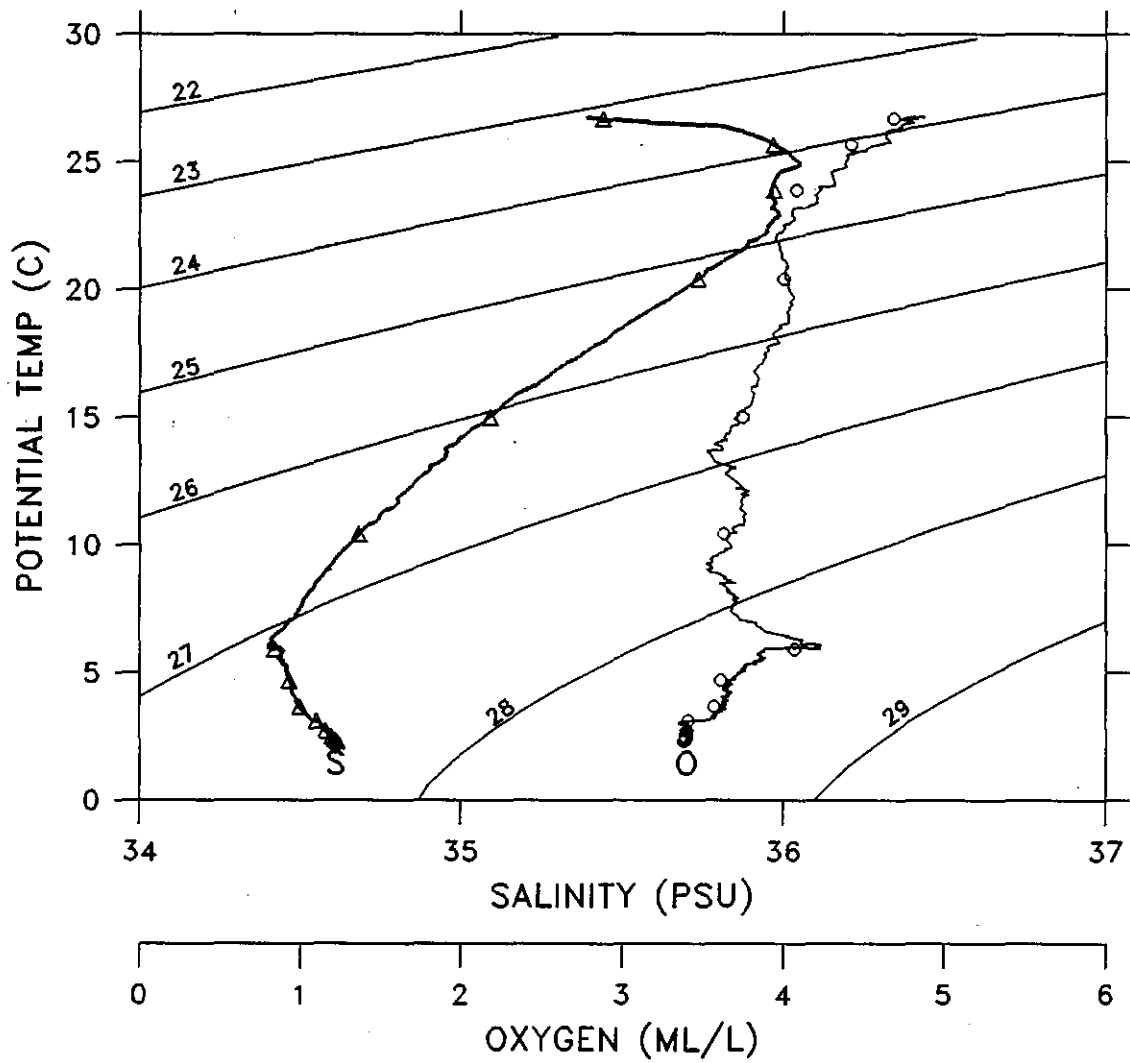
0 10 20 30

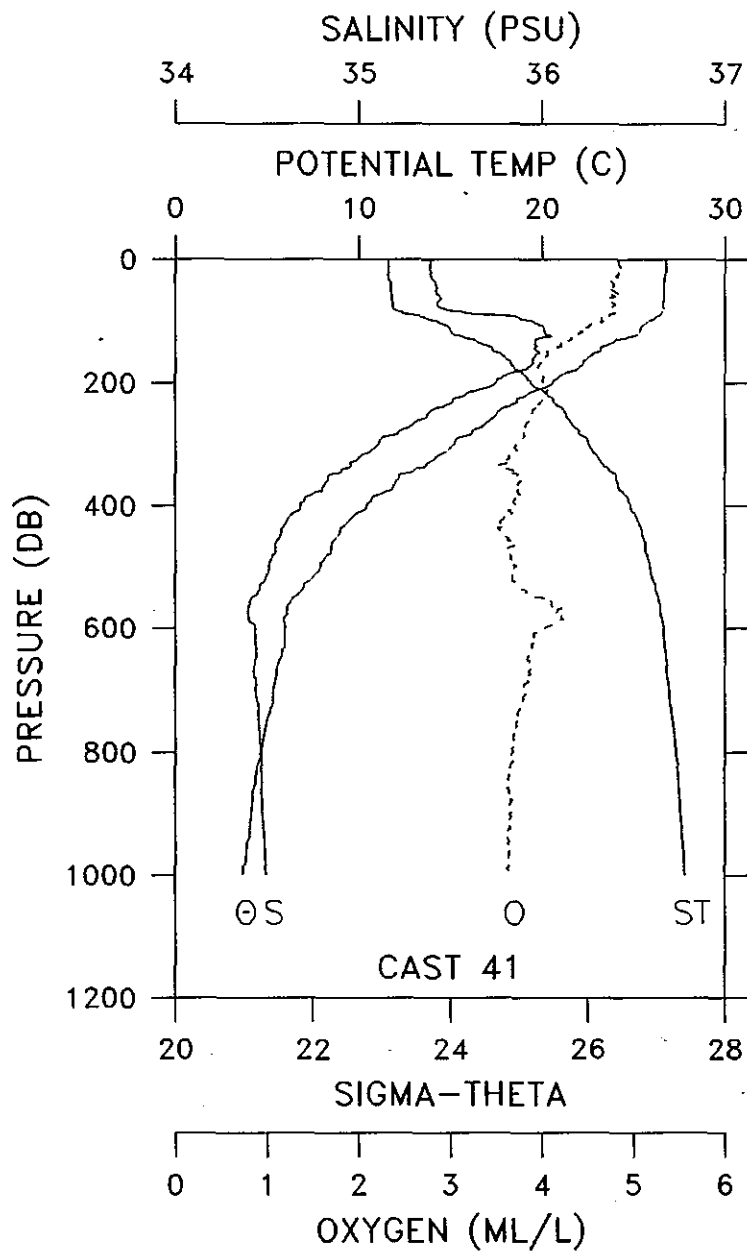


CAST TW2-87-OC-040 DATE 20 JUN 87 TIME 0950 GMT
 LAT 15 01.0S LONG 173 45.0W WEATHER 2 SEA STATE 3
 BAROMETER 15 WIND DIR 085 T SPD 16 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 26.0 WET 25.0 DEPTH 2445 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.230	35.375	4.81	23.246	0.000
10	26.230	35.376	4.77	23.247	0.046
20	26.188	35.389	4.80	23.270	0.092
30	26.168	35.398	4.80	23.283	0.138
40	26.106	35.408	4.88	23.310	0.184
50	26.063	35.426	4.88	23.337	0.230
60	26.060	35.471	4.89	23.372	0.275
70	26.021	35.486	4.69	23.395	0.321
80	26.012	35.508	4.71	23.415	0.366
90	26.004	35.783	4.65	23.625	0.410
100	24.761	35.779	4.55	24.005	0.451
110	24.393	35.896	4.41	24.204	0.489
120	24.262	36.030	4.28	24.345	0.526
130	24.150	36.077	4.04	24.414	0.562
140	23.629	36.065	4.05	24.559	0.597
150	23.233	36.054	4.00	24.667	0.631
160	22.643	35.915	4.08	24.732	0.664
170	21.582	35.800	4.20	24.944	0.696
180	21.338	35.829	4.06	25.033	0.726
190	21.052	35.808	4.06	25.096	0.756
200	20.662	35.764	4.05	25.169	0.785
250	18.014	35.431	3.91	25.599	0.919
300	14.931	35.077	3.84	26.047	1.032
350	12.152	34.810	3.49	26.413	1.125
400	10.306	34.660	3.55	26.634	1.205
450	9.268	34.580	3.66	26.746	1.276
500	7.293	34.440	4.18	26.937	1.340
550	6.452	34.411	4.26	27.029	1.397
600	6.122	34.464	3.71	27.114	1.451
650	5.630	34.460	3.69	27.172	1.500
700	5.257	34.460	3.65	27.217	1.547
750	4.955	34.468	3.58	27.259	1.593
800	4.793	34.474	3.60	27.282	1.637
900	4.381	34.492	3.49	27.342	1.722
1000	3.942	34.512	3.41	27.404	1.802
1500	2.650	34.583	3.44	27.583	2.136
2000	2.172	34.625	3.40	27.658	2.417
2327	1.860	34.650	3.36	27.703	2.587

CAST TW2-87-OC-041 DATE 20 JUN 87 TIME 1708 GMT
LAT 14 59.9S LONG 174 59.2W

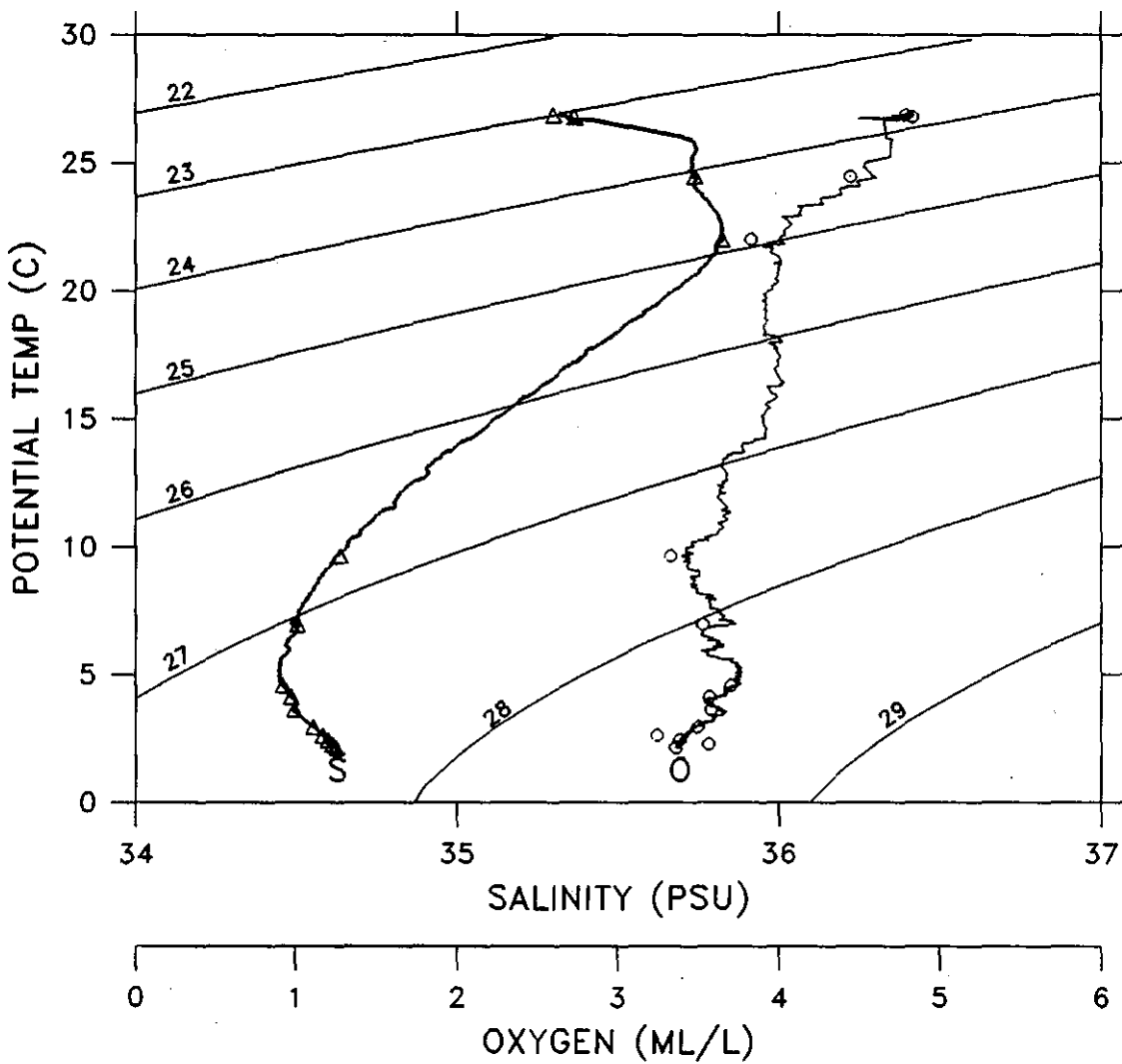


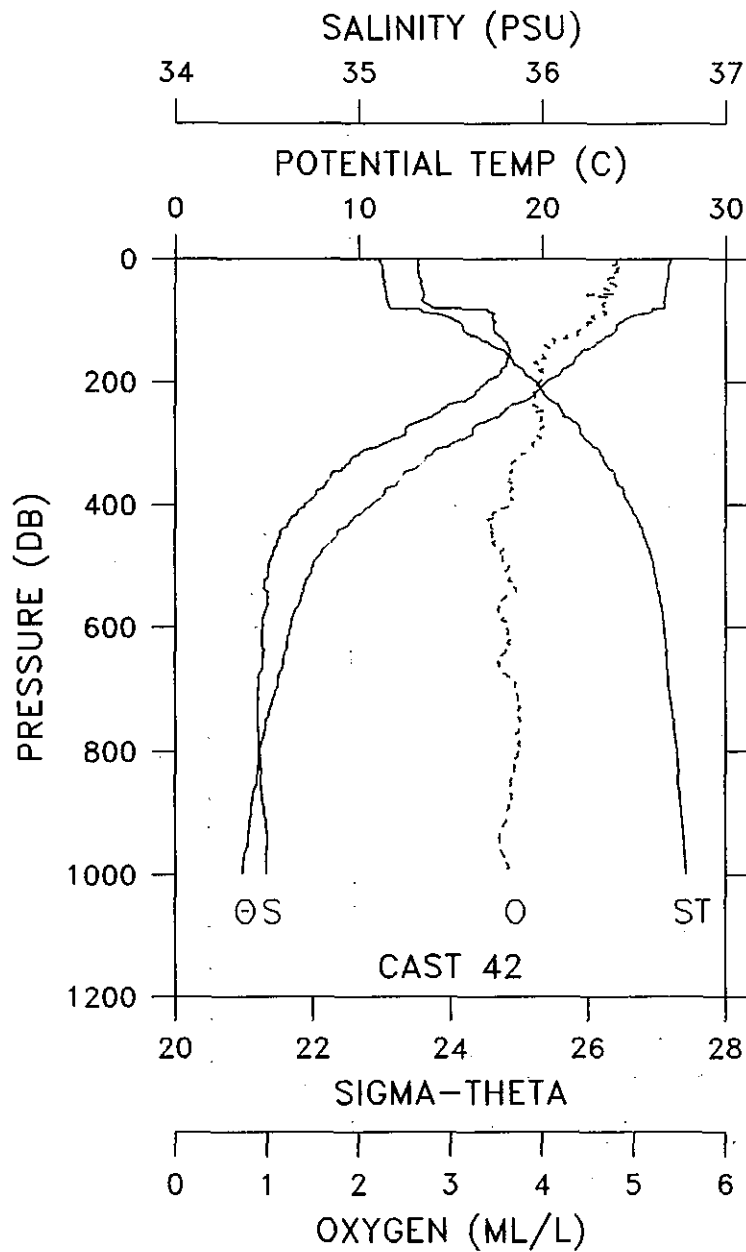


CAST TW2-87-OC-041 DATE 20 JUN 87 TIME 1708 GMT
 LAT 14 59.9S LONG 174 59.2W WEATHER 2 SEA STATE 4
 BAROMETER 12 WIND DIR 080 T SPD 12 KT VISIBILITY 7
 CLOUD 6 AMOUNT 7 DRY 26.0 WET 24.5 DEPTH 1883 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.749	35.389	4.83	23.093	0.000
10	26.749	35.389	4.85	23.092	0.048
20	26.749	35.389	4.86	23.093	0.095
30	26.739	35.402	4.80	23.106	0.143
40	26.687	35.422	4.78	23.138	0.191
50	26.673	35.421	4.77	23.141	0.238
60	26.694	35.443	4.78	23.151	0.286
70	26.621	35.431	4.77	23.165	0.333
80	26.665	35.470	4.78	23.181	0.380
90	26.415	35.776	4.73	23.491	0.426
100	25.781	35.953	4.67	23.823	0.469
110	25.396	36.009	4.44	23.984	0.509
120	25.226	36.021	4.39	24.046	0.549
130	24.048	35.964	4.32	24.359	0.587
140	23.377	35.972	4.21	24.563	0.622
150	23.018	35.982	4.06	24.675	0.656
160	22.489	35.951	4.00	24.803	0.688
170	22.191	35.941	3.96	24.881	0.720
180	21.644	35.882	3.97	24.989	0.751
190	20.902	35.785	4.02	25.120	0.781
200	20.584	35.749	4.01	25.178	0.809
250	17.518	35.377	3.88	25.680	0.939
300	15.156	35.105	3.72	26.019	1.051
350	12.252	34.840	3.74	26.417	1.147
400	10.451	34.684	3.68	26.627	1.228
450	8.863	34.569	3.59	26.803	1.297
500	7.892	34.509	3.71	26.905	1.361
550	6.493	34.421	3.97	27.032	1.420
600	5.980	34.434	4.03	27.108	1.473
650	5.702	34.437	3.83	27.145	1.524
700	5.365	34.440	3.81	27.188	1.573
750	4.997	34.456	3.73	27.245	1.620
800	4.704	34.465	3.68	27.285	1.664
900	4.149	34.476	3.65	27.354	1.747
1000	3.655	34.498	3.62	27.422	1.824
1500	2.575	34.591	3.41	27.597	2.146
1959	2.314	34.613	3.40	27.636	2.408

CAST TW2-87-OC-042 DATE 21 JUN 87 TIME 0017 GMT
LAT 14 57.5S LONG 176 00.4W

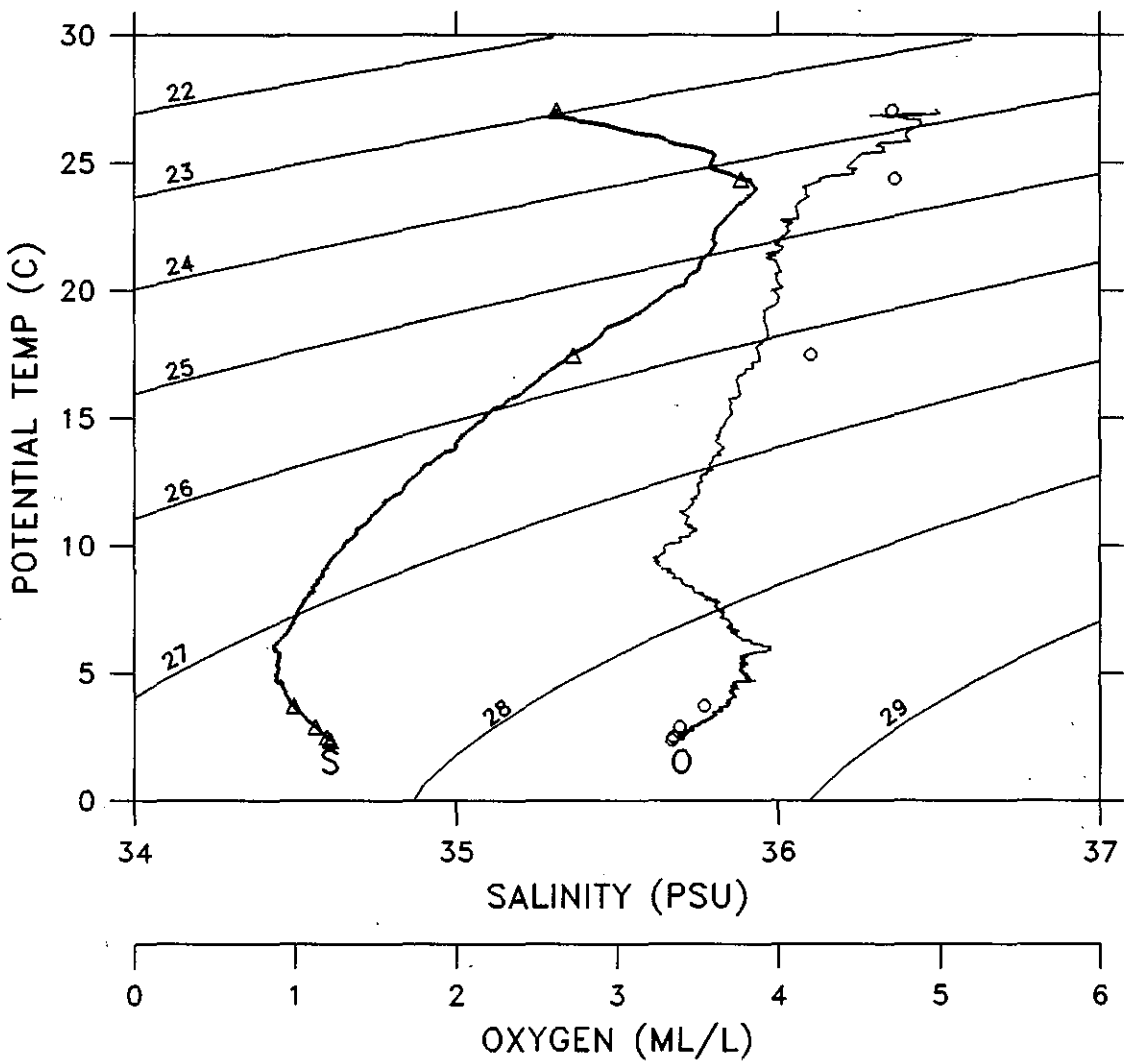


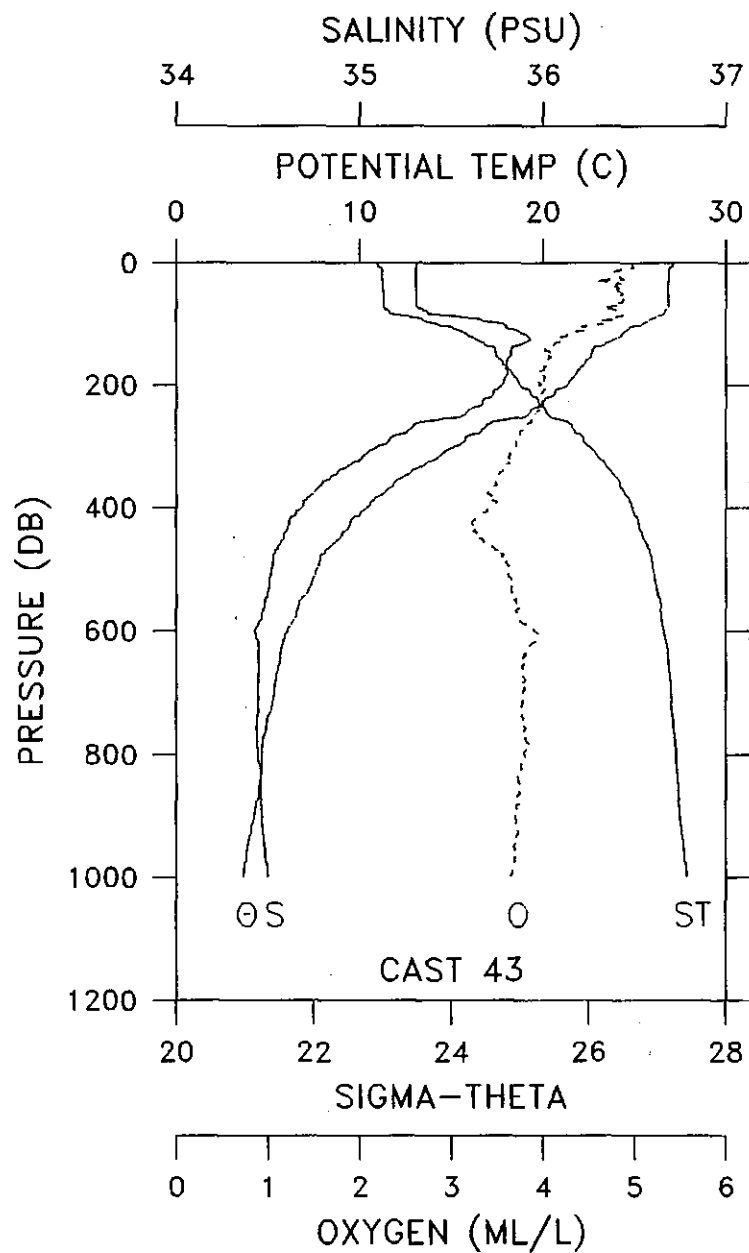


CAST TW2-87-OC-042 DATE 21 JUN 87 TIME 0017 GMT
 LAT 14 57.5S LONG 176 00.4W WEATHER 5 SEA STATE 4
 BAROMETER 13 WIND DIR 030 T SPD 12 KT VISIBILITY 6
 CLOUD 6 AMOUNT 6 DRY 24.0 WET 23.5 DEPTH 2136 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.957	35.321	4.81	22.975	0.000
10	26.874	35.324	4.75	23.004	0.049
20	26.863	35.322	4.81	23.006	0.097
30	26.852	35.327	4.74	23.014	0.146
40	26.791	35.338	4.77	23.041	0.194
50	26.764	35.351	4.73	23.060	0.243
60	26.745	35.359	4.52	23.072	0.291
70	26.669	35.353	4.70	23.091	0.339
80	26.693	35.409	4.64	23.126	0.387
90	25.254	35.730	4.70	23.817	0.430
100	24.438	35.749	4.60	24.080	0.470
110	24.071	35.737	4.45	24.180	0.508
120	23.907	35.747	4.38	24.236	0.546
130	23.312	35.789	4.11	24.443	0.582
140	22.878	35.812	4.02	24.586	0.617
150	22.217	35.824	4.04	24.784	0.650
160	21.849	35.815	4.03	24.881	0.682
170	21.688	35.807	3.93	24.920	0.713
180	21.104	35.777	3.99	25.058	0.743
190	20.813	35.753	3.99	25.120	0.773
200	20.217	35.697	3.96	25.237	0.801
250	17.896	35.438	3.95	25.634	0.933
300	15.091	35.132	3.89	26.055	1.044
350	12.452	34.853	3.65	26.388	1.138
400	10.681	34.704	3.65	26.602	1.220
450	8.771	34.573	3.46	26.821	1.290
500	7.517	34.512	3.65	26.962	1.352
550	6.892	34.506	3.59	27.045	1.408
600	6.269	34.475	3.62	27.104	1.462
650	5.930	34.480	3.56	27.150	1.512
700	5.500	34.455	3.70	27.184	1.562
750	4.940	34.451	3.76	27.247	1.609
800	4.582	34.456	3.73	27.292	1.653
900	4.131	34.485	3.62	27.363	1.736
1000	3.624	34.495	3.63	27.423	1.812
1500	2.649	34.585	3.43	27.585	2.136
2000	2.285	34.616	3.40	27.641	2.423
2132	2.139	34.627	3.39	27.662	2.496

CAST TW2-87-OC-043 DATE 21 JUN 87 TIME 0630 GMT
LAT 14 57.6S LONG 176 59.9W

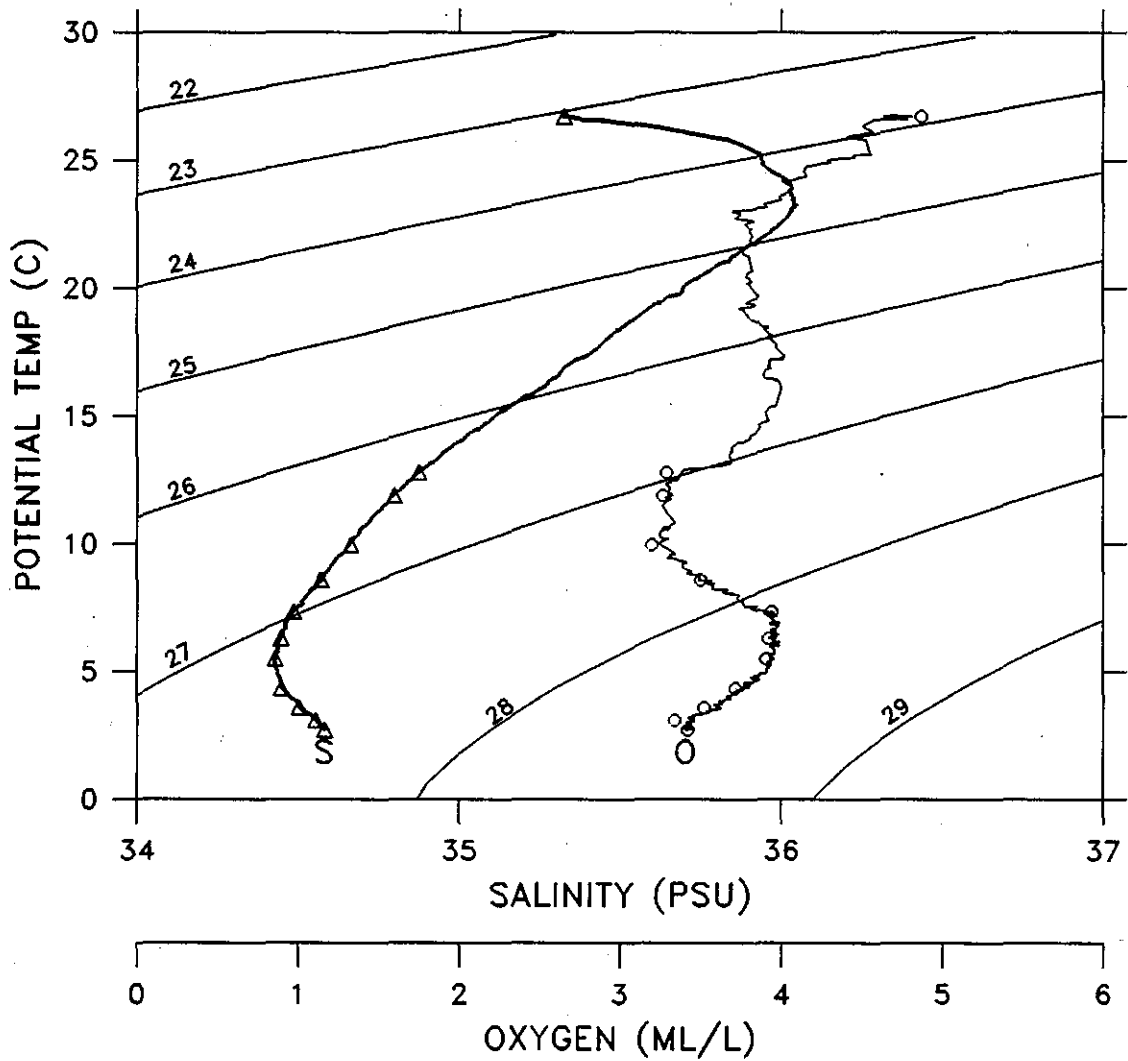




CAST TW2-87-OC-043 DATE 21 JUN 87 TIME 0630 GMT
 LAT 14 57.6S LONG 176 59.9W WEATHER 1 SEA STATE 1
 BAROMETER 12 WIND DIR 120 T SPD 02 KT VISIBILITY 9
 CLOUD 8 AMOUNT 3 DRY 26.5 WET 23.4 DEPTH 1957 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.092	35.309	4.97	22.923	0.000
10	26.881	35.307	4.93	22.989	0.049
20	26.870	35.306	4.85	22.992	0.098
30	26.838	35.306	4.69	23.002	0.147
40	26.828	35.306	4.81	23.005	0.195
50	26.822	35.306	4.86	23.007	0.244
60	26.817	35.306	4.88	23.009	0.293
70	26.815	35.308	4.81	23.011	0.341
80	26.676	35.372	4.82	23.103	0.390
90	26.028	35.626	4.79	23.499	0.436
100	25.432	35.788	4.66	23.806	0.479
110	24.580	35.851	4.47	24.114	0.519
120	24.198	35.918	4.23	24.279	0.556
130	23.557	35.896	4.16	24.453	0.592
140	22.762	35.833	4.03	24.635	0.627
150	22.661	35.826	4.03	24.659	0.660
160	22.318	35.803	4.05	24.740	0.693
170	22.054	35.800	4.02	24.812	0.726
180	21.824	35.804	4.00	24.879	0.758
190	21.533	35.789	4.00	24.949	0.789
200	21.321	35.775	3.96	24.997	0.819
250	19.084	35.557	3.92	25.427	0.959
300	15.144	35.099	3.72	26.017	1.074
350	12.387	34.842	3.50	26.392	1.169
400	10.355	34.679	3.45	26.641	1.248
450	8.924	34.584	3.33	26.805	1.318
500	7.656	34.519	3.61	26.947	1.380
550	6.836	34.484	3.72	27.035	1.438
600	6.056	34.429	3.91	27.095	1.492
650	5.647	34.451	3.77	27.163	1.542
700	5.323	34.443	3.78	27.196	1.590
750	4.955	34.443	3.80	27.239	1.636
800	4.663	34.447	3.80	27.275	1.681
900	4.280	34.469	3.70	27.335	1.767
1000	3.662	34.500	3.66	27.423	1.844
1500	2.597	34.590	3.41	27.594	2.161
1944	2.385	34.609	3.40	27.627	2.418

CAST TW2-87-OC-044 DATE 21 JUN 87 TIME 1208 GMT
LAT 14 53.6S LONG 178 00.5W

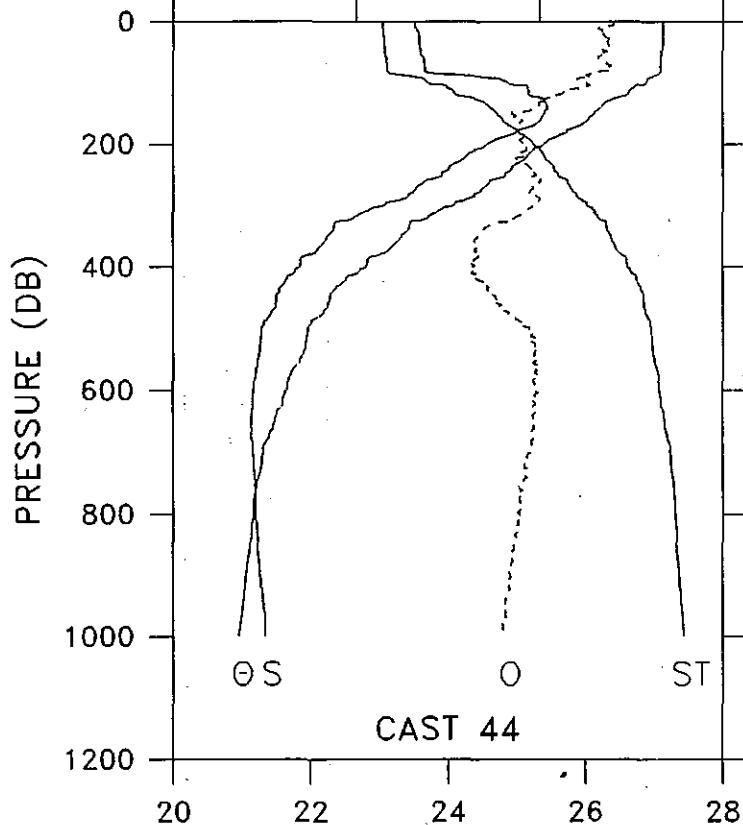


SALINITY (PSU)

34 35 36 37

POTENTIAL TEMP (C)

0 10 20 30



SIGMA-THETA

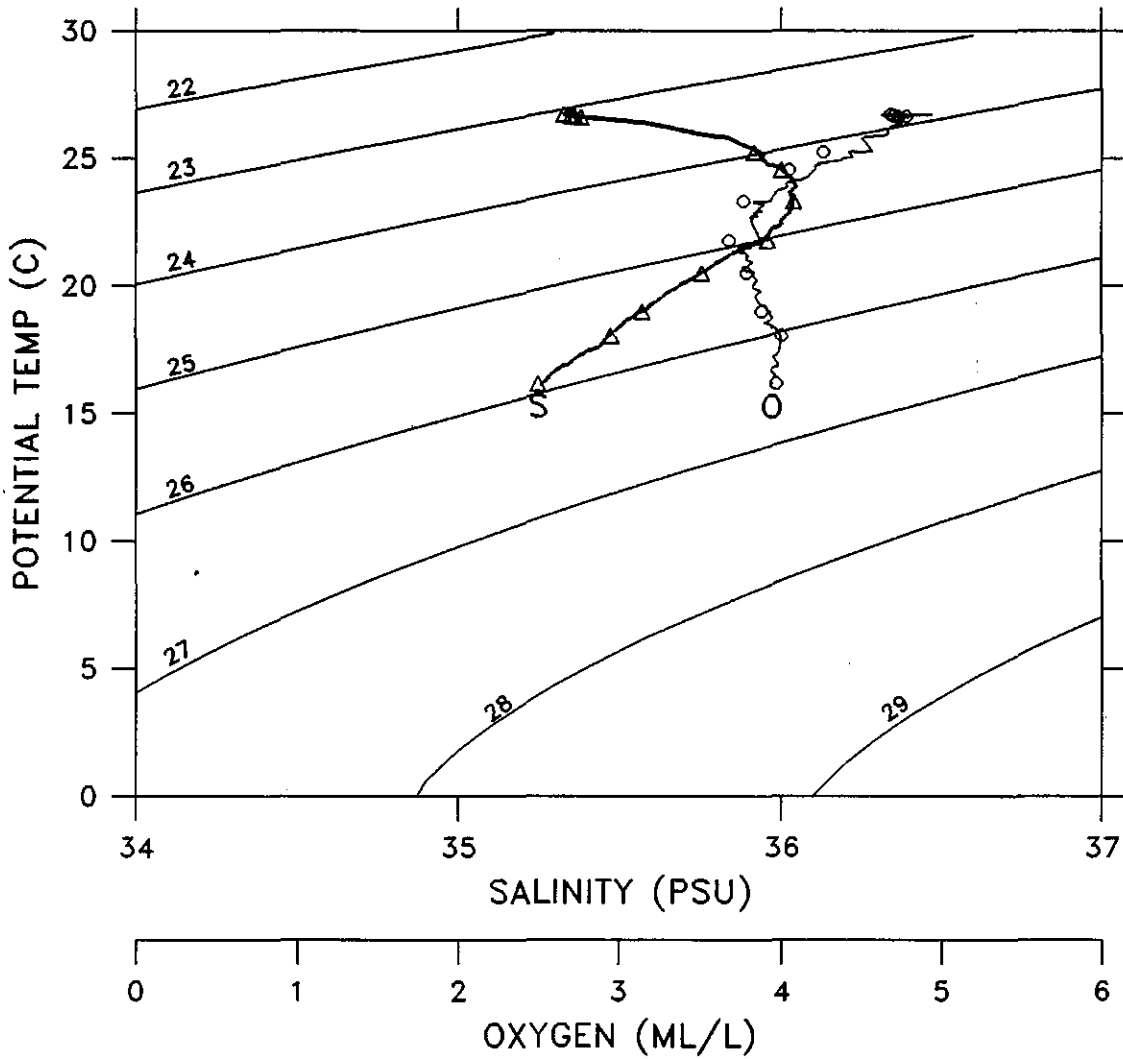
0 1 2 3 4 5 6

OXYGEN (ML/L)

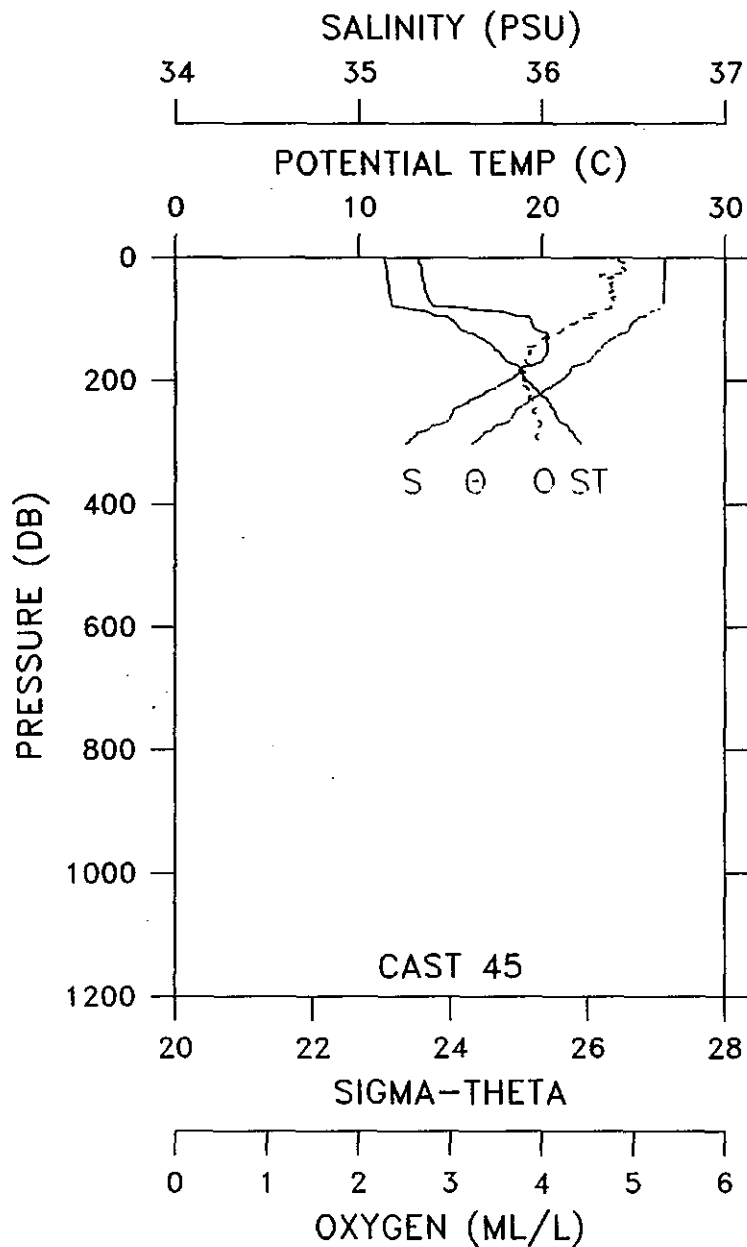
CAST TW2-87-OC-044 DATE 21 JUN 87 TIME 1208 GMT
 LAT 14 53.6S LONG 178 00.5W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 200 T SPD 10 KT VISIBILITY 8
 CLOUD X AMOUNT 5 DRY 26.0 WET 24.0 DEPTH 1525 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.737	35.318	4.81	23.043	0.000
10	26.737	35.323	4.66	23.047	0.048
20	26.734	35.339	4.70	23.060	0.096
30	26.719	35.342	4.80	23.067	0.144
40	26.707	35.343	4.75	23.072	0.192
50	26.688	35.354	4.70	23.086	0.240
60	26.646	35.371	4.65	23.112	0.288
70	26.632	35.375	4.74	23.120	0.336
80	26.616	35.377	4.76	23.126	0.384
90	26.127	35.698	4.57	23.522	0.430
100	25.823	35.836	4.52	23.722	0.473
110	25.021	35.938	4.29	24.046	0.513
120	24.739	35.953	4.15	24.143	0.552
130	23.675	36.032	4.02	24.521	0.588
140	23.334	36.040	3.93	24.627	0.622
150	22.982	36.026	3.70	24.719	0.655
160	22.646	36.006	3.81	24.801	0.688
170	22.171	35.961	3.81	24.901	0.719
180	21.469	35.871	3.76	25.030	0.750
190	20.647	35.770	3.80	25.178	0.779
200	20.220	35.712	3.79	25.248	0.807
250	18.120	35.466	3.96	25.601	0.937
300	15.232	35.140	3.92	26.030	1.050
350	12.486	34.843	3.35	26.374	1.144
400	10.544	34.692	3.28	26.617	1.225
450	8.567	34.564	3.52	26.845	1.293
500	7.366	34.483	3.89	26.960	1.355
550	6.929	34.462	3.98	27.005	1.413
600	6.200	34.441	3.96	27.086	1.467
650	5.558	34.429	3.95	27.157	1.518
700	4.915	34.436	3.89	27.238	1.565
750	4.566	34.448	3.81	27.287	1.610
800	4.388	34.451	3.78	27.309	1.652
900	3.988	34.476	3.68	27.371	1.733
1000	3.594	34.502	3.61	27.431	1.809
1481	2.716	34.582	3.41	27.577	2.124

CAST TW2-87-OC-045 DATE 21 JUN 87 TIME 1356 GMT
LAT 14 54.2S LONG 177 59.9W

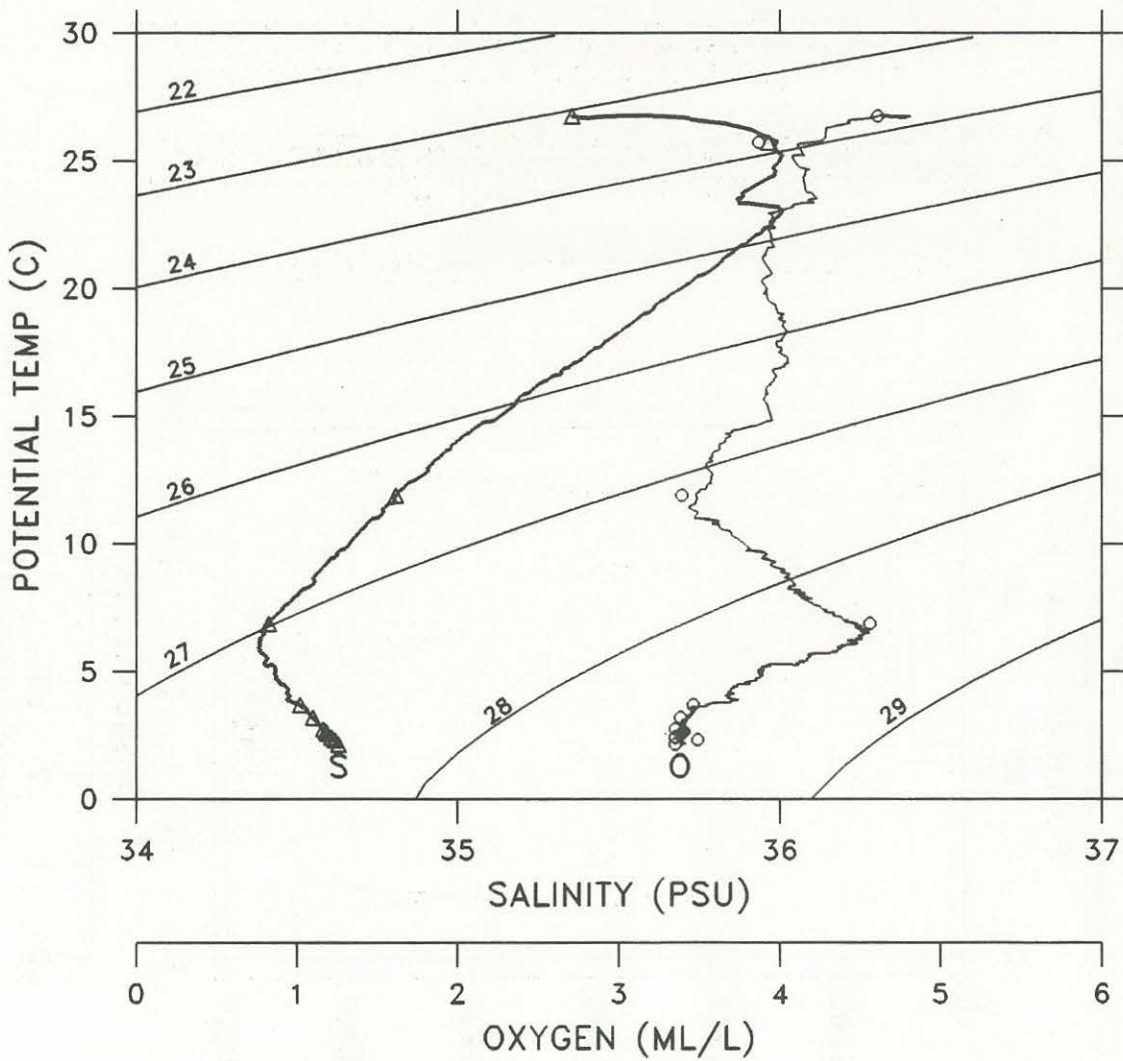


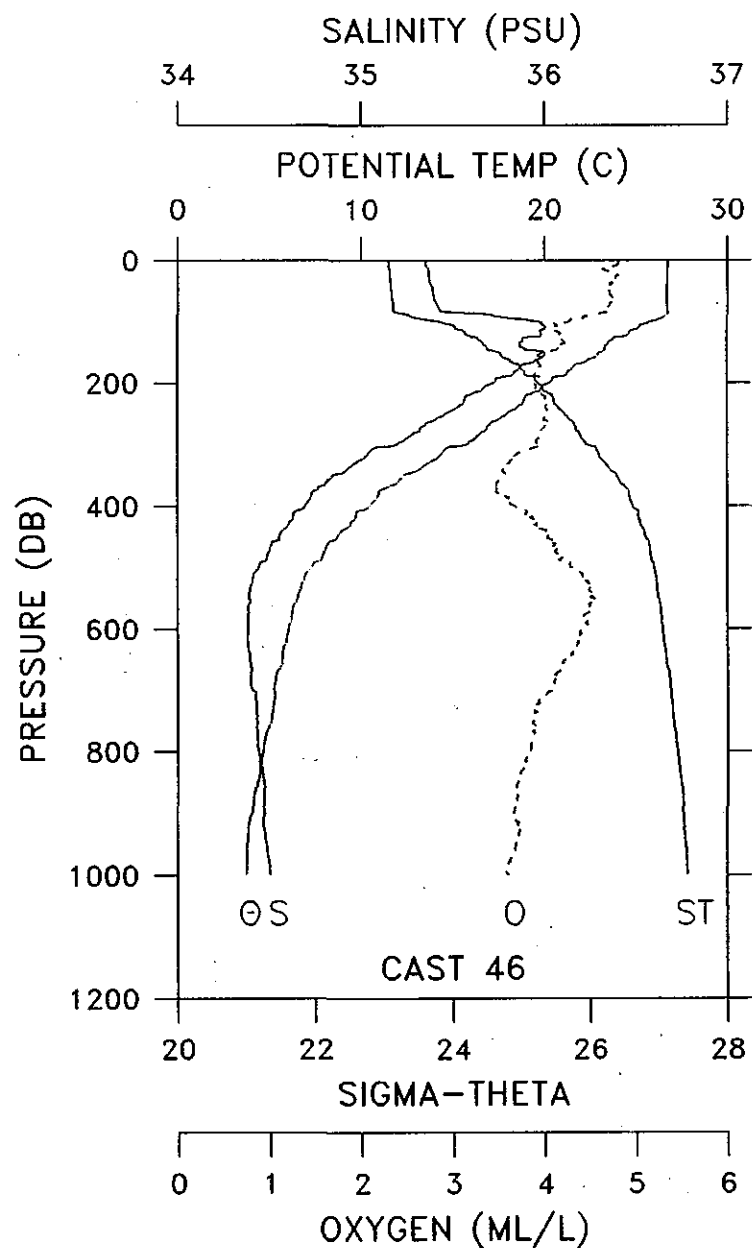
CAST TW2-87-OC-045 DATE 21 JUN 87 TIME 1356 GMT
 LAT 14 54.2S LONG 177 59.9W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 180 T SPD 10 KT VISIBILITY 8
 CLOUD 2 AMOUNT 5 DRY 26.0 WET 24.0 DEPTH 1590 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.731	35.327	4.84	23.052	0.000
10	26.727	35.334	4.91	23.059	0.048
20	26.708	35.344	4.92	23.072	0.096
30	26.687	35.347	4.63	23.081	0.144
40	26.660	35.354	4.74	23.095	0.192
50	26.651	35.360	4.72	23.102	0.240
60	26.620	35.371	4.74	23.120	0.287
70	26.617	35.383	4.78	23.130	0.335
80	26.533	35.470	4.75	23.222	0.383
90	25.873	35.809	4.59	23.686	0.427
100	25.227	35.938	4.42	23.983	0.468
110	24.846	35.954	4.28	24.111	0.507
120	24.642	35.994	4.21	24.203	0.545
130	24.024	36.039	4.03	24.423	0.581
140	23.432	36.032	3.94	24.592	0.616
150	23.236	36.031	3.87	24.649	0.650
160	22.837	36.023	3.84	24.758	0.683
170	22.524	35.998	3.82	24.830	0.715
180	21.581	35.885	3.77	25.009	0.746
190	21.363	35.865	3.76	25.055	0.776
200	21.011	35.817	3.79	25.115	0.805
250	18.565	35.517	3.90	25.528	0.941
300	16.256	35.267	3.94	25.895	1.060
301	16.154	35.254	3.94	25.909	1.063

CAST TW2-87-OC-046 DATE 21 JUN 87 TIME 1928 GMT
LAT 14 51.9S LONG 179 00.5W

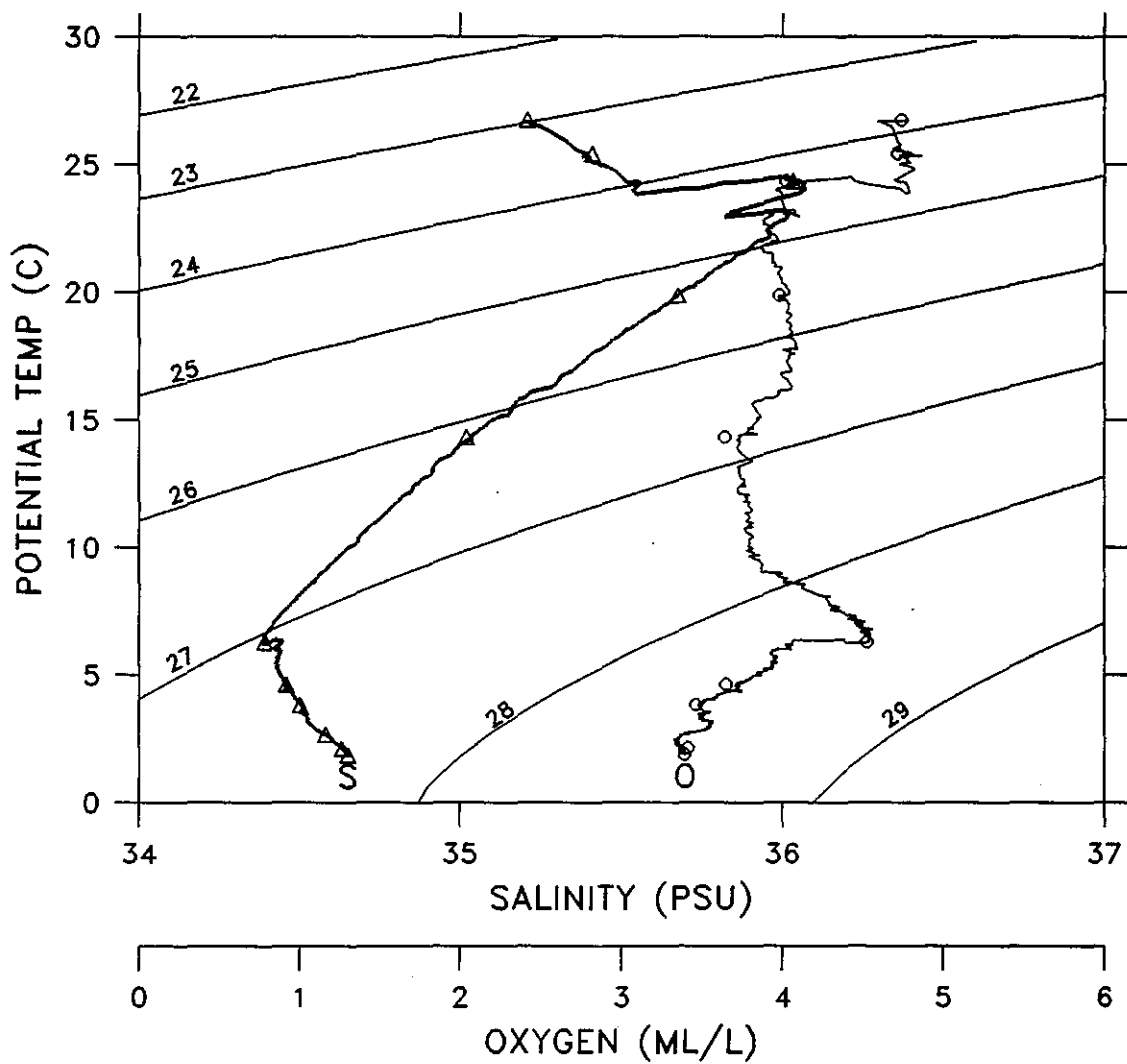


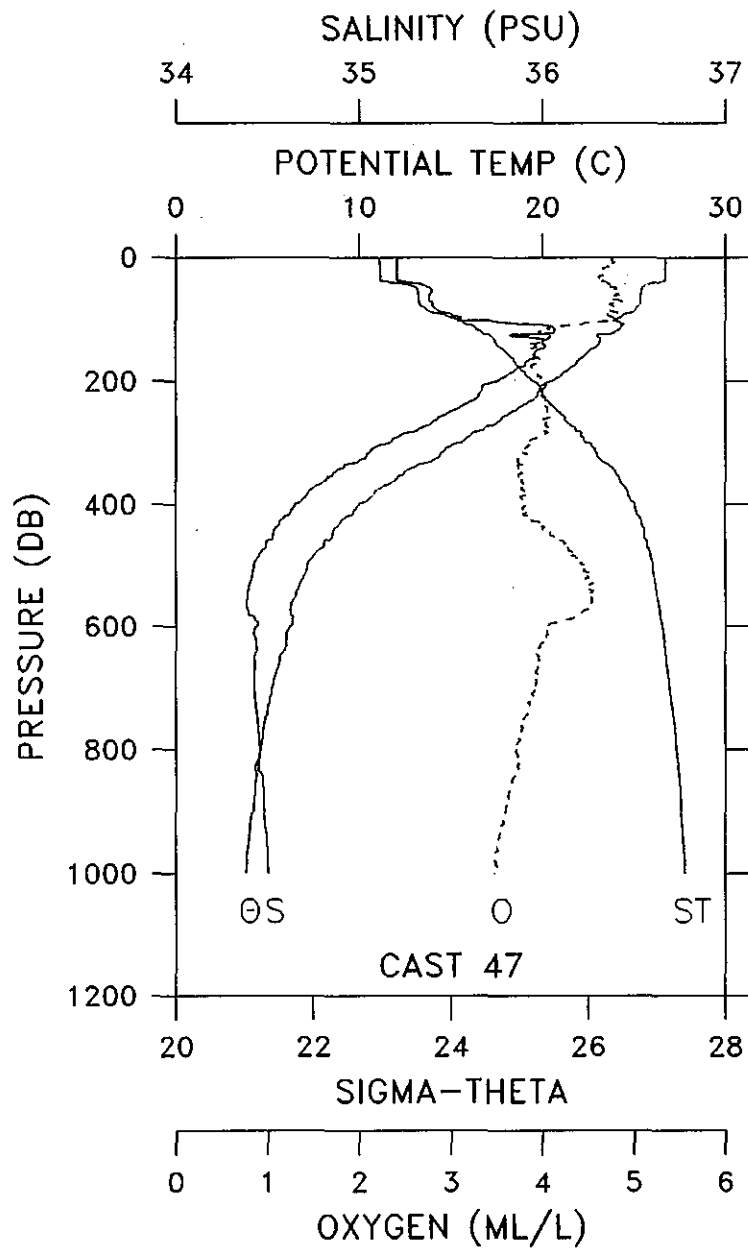


CAST TW2-87-OC-046 DATE 21 JUN 87 TIME 1928 GMT
 LAT 14 51.9S LONG 179 00.5W WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 220 T SPD 04 KT VISIBILITY 8
 CLOUD 6 AMOUNT 4 DRY 25.7 WET 24.1 DEPTH 2047 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.759	35.352	4.81	23.062	0.000
10	26.753	35.360	4.71	23.070	0.048
20	26.721	35.369	4.76	23.086	0.096
30	26.714	35.373	4.79	23.092	0.144
40	26.705	35.384	4.72	23.103	0.191
50	26.702	35.390	4.71	23.109	0.239
60	26.693	35.397	4.74	23.117	0.287
70	26.695	35.413	4.71	23.128	0.335
80	26.715	35.426	4.69	23.131	0.382
90	26.632	35.723	4.51	23.382	0.429
100	25.788	35.981	4.27	23.841	0.473
110	25.195	36.006	4.07	24.044	0.512
120	24.641	35.985	4.18	24.197	0.551
130	23.747	35.883	4.20	24.387	0.587
140	23.359	35.868	4.21	24.489	0.623
150	23.095	36.002	4.03	24.668	0.657
160	22.596	35.976	3.93	24.792	0.690
170	21.736	35.891	3.95	24.970	0.721
180	21.372	35.847	3.91	25.038	0.751
190	20.570	35.766	3.95	25.195	0.781
200	20.236	35.721	3.89	25.250	0.809
250	17.959	35.459	4.01	25.635	0.939
300	15.681	35.185	3.90	25.963	1.053
350	12.383	34.845	3.57	26.395	1.148
400	10.489	34.695	3.69	26.629	1.228
450	8.690	34.551	4.03	26.816	1.297
500	7.296	34.440	4.33	26.937	1.360
550	6.554	34.388	4.55	26.997	1.417
600	6.045	34.383	4.43	27.059	1.472
650	5.691	34.395	4.23	27.114	1.525
700	5.249	34.412	4.08	27.180	1.575
750	5.080	34.433	3.89	27.216	1.622
800	4.618	34.440	3.84	27.275	1.667
900	4.051	34.476	3.67	27.364	1.750
1000	3.743	34.505	3.58	27.419	1.827
1500	2.651	34.586	3.40	27.586	2.153
1998	2.145	34.630	3.38	27.663	2.438

CAST TW2-87-OC-047 DATE 22 JUN 87 TIME 0115 GMT
LAT 14 50.3S LONG 179 59.3E

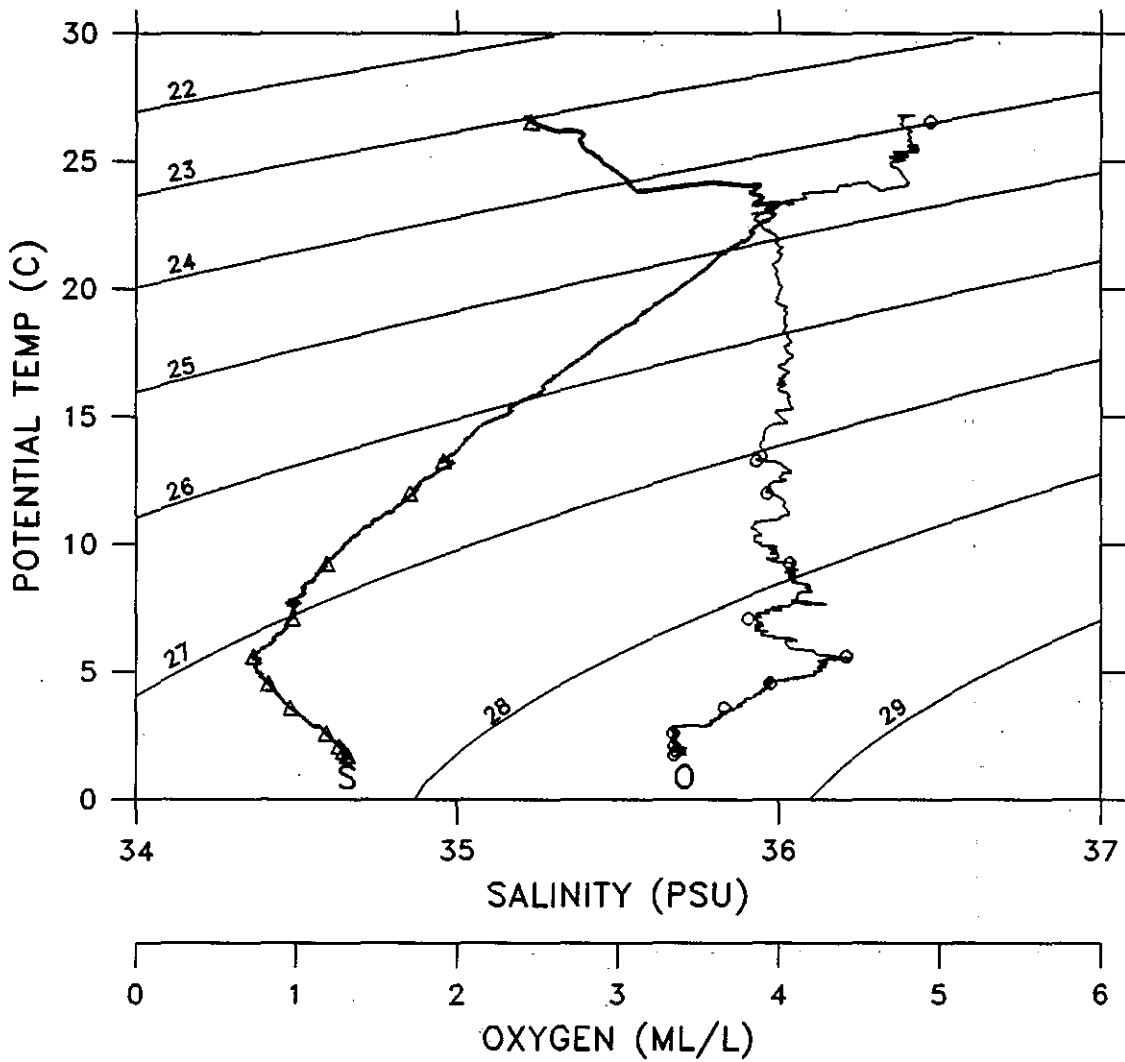


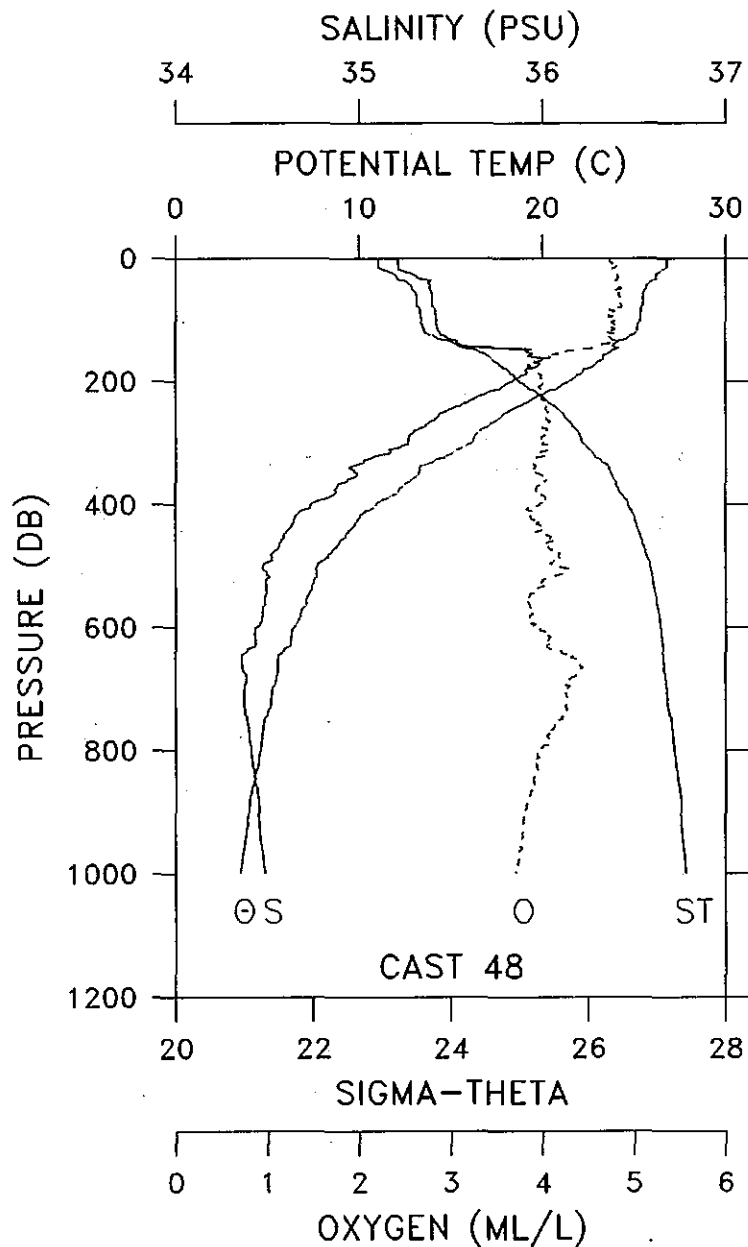


CAST TW2-87-OC-047 DATE 22 JUN 87 TIME 0115 GMT
 LAT 14 50.3S LONG 179 59.3E WEATHER 1 SEA STATE 4
 BAROMETER 11 WIND DIR 190 T SPD 16 KT VISIBILITY 8
 CLOUD 1 AMOUNT 4 DRY 26.2 WET 23.8 DEPTH 2495 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.735	35.204	4.76	22.958	0.000
10	26.723	35.205	4.75	22.962	0.049
20	26.691	35.204	4.66	22.972	0.098
30	26.688	35.204	4.63	22.973	0.147
40	26.410	35.261	4.69	23.103	0.196
50	25.441	35.389	4.80	23.502	0.241
60	25.365	35.386	4.81	23.523	0.285
70	25.322	35.379	4.86	23.531	0.329
80	25.191	35.402	4.78	23.589	0.372
90	24.808	35.474	4.82	23.760	0.415
100	23.911	35.539	4.79	24.077	0.455
110	24.420	36.022	4.30	24.292	0.493
120	24.007	36.066	3.96	24.448	0.529
130	23.137	35.952	4.08	24.618	0.563
140	23.108	36.002	3.84	24.664	0.597
150	22.642	35.970	3.89	24.774	0.629
160	22.303	35.952	3.91	24.857	0.661
170	21.881	35.908	3.95	24.943	0.692
180	21.488	35.858	3.93	25.014	0.723
190	21.027	35.810	3.95	25.105	0.752
200	20.426	35.746	4.00	25.219	0.781
250	18.220	35.487	4.04	25.592	0.915
300	15.197	35.151	3.86	26.046	1.029
350	12.400	34.855	3.74	26.400	1.124
400	10.012	34.650	3.80	26.677	1.203
450	8.553	34.530	4.09	26.821	1.271
500	7.183	34.426	4.45	26.941	1.333
550	6.534	34.390	4.54	27.002	1.391
600	6.185	34.440	4.06	27.087	1.446
650	5.682	34.428	3.96	27.140	1.498
700	5.246	34.429	3.91	27.194	1.547
750	4.877	34.445	3.80	27.250	1.593
800	4.628	34.456	3.71	27.286	1.637
900	4.194	34.480	3.59	27.352	1.720
1000	3.819	34.504	3.48	27.411	1.798
1500	2.672	34.580	3.42	27.579	2.128
2000	2.131	34.632	3.37	27.666	2.409
2473	1.883	34.651	3.39	27.701	2.652

CAST TW2-87-OC-048 DATE 22 JUN 87 TIME 0729 GMT
LAT 14 46.5S LONG 178 59.2E

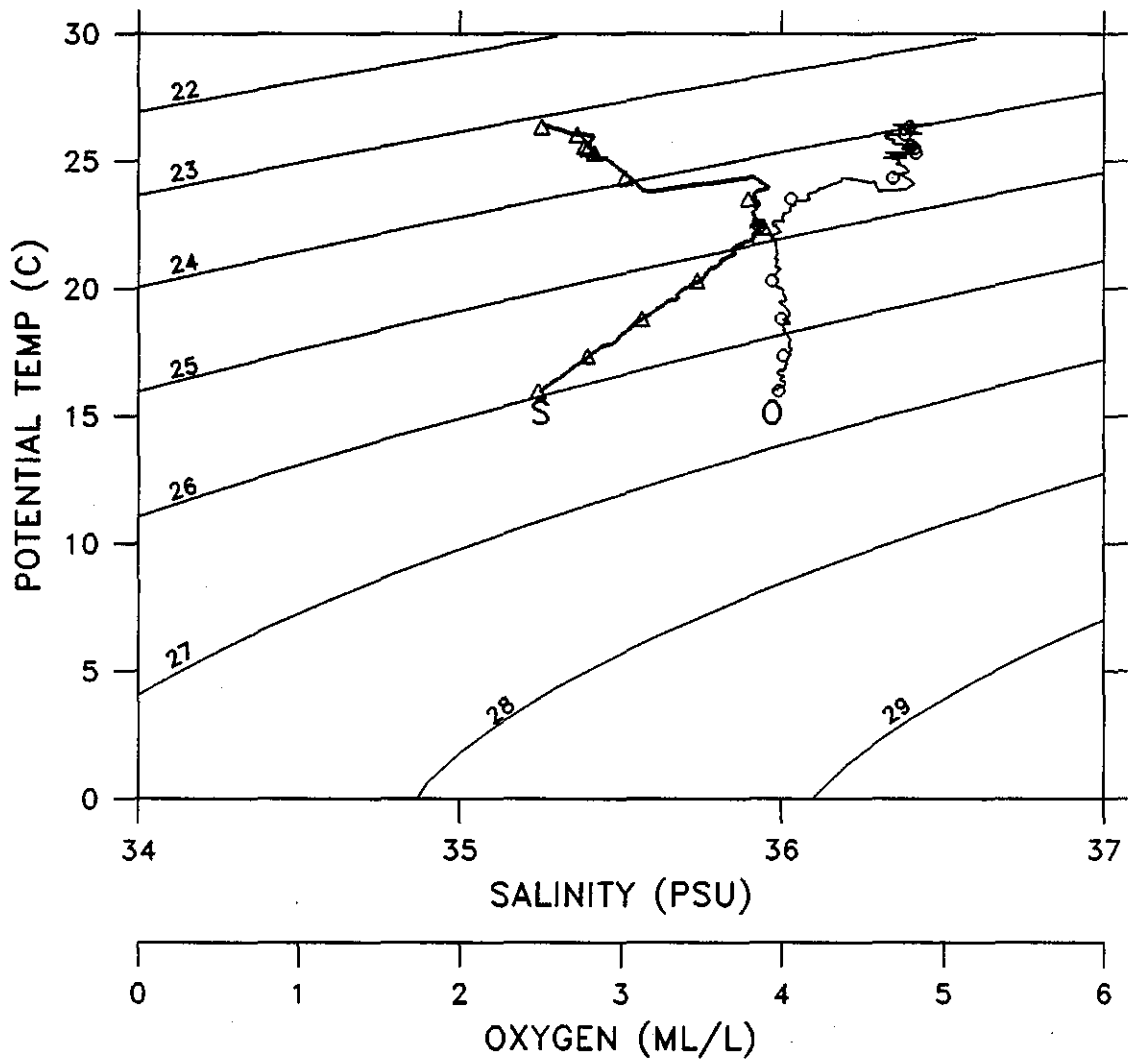


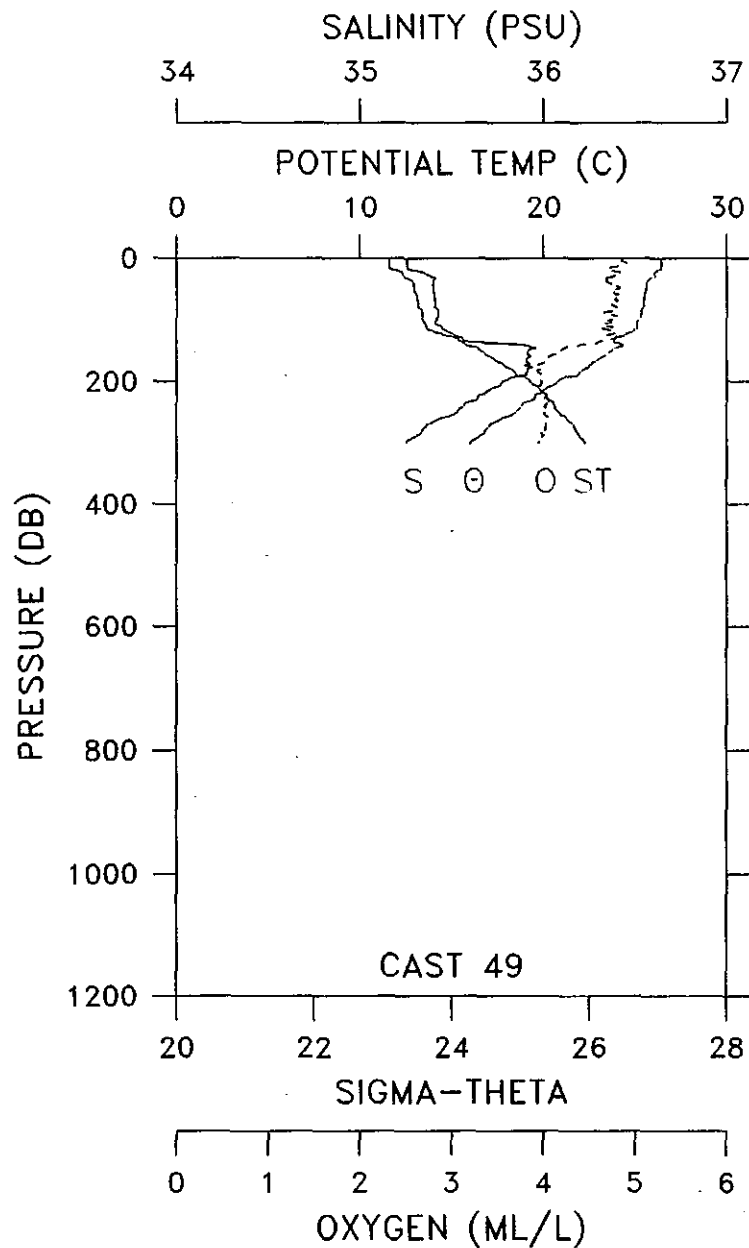


CAST TW2-87-OC-048 DATE 22 JUN 87 TIME 0729 GMT
 LAT 14 46.5S LONG 178 59.2E WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 145 T SPD 70 KT VISIBILITY 8
 CLOUD 1 AMOUNT 6 DRY 25.3 WET 22.5 DEPTH 2805 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.807	35.214	4.73	22.943	0.000
10	26.805	35.215	4.80	22.943	0.049
20	26.470	35.242	4.76	23.070	0.098
30	26.182	35.317	4.83	23.217	0.145
40	25.816	35.376	4.80	23.376	0.191
50	25.615	35.387	4.83	23.447	0.236
60	25.472	35.397	4.84	23.499	0.280
70	25.460	35.397	4.81	23.503	0.324
80	25.381	35.407	4.84	23.534	0.368
90	25.340	35.416	4.73	23.554	0.412
100	25.302	35.421	4.79	23.569	0.456
110	25.215	35.427	4.74	23.600	0.499
120	25.138	35.442	4.69	23.635	0.542
130	24.669	35.487	4.75	23.811	0.584
140	23.862	35.556	4.65	24.105	0.624
150	23.813	35.907	4.30	24.385	0.662
160	23.314	35.954	4.09	24.567	0.697
170	22.986	35.975	3.92	24.679	0.731
180	22.277	35.909	3.91	24.832	0.763
190	21.874	35.884	3.99	24.927	0.795
200	21.441	35.836	3.99	25.011	0.826
250	18.068	35.464	4.06	25.612	0.962
300	16.118	35.270	4.00	25.929	1.077
350	13.245	34.985	3.94	26.333	1.175
400	10.935	34.738	3.97	26.583	1.258
450	9.276	34.590	4.06	26.753	1.331
500	7.718	34.476	4.21	26.904	1.396
550	7.185	34.491	3.86	26.992	1.455
600	6.434	34.438	3.89	27.053	1.511
650	5.597	34.362	4.34	27.098	1.565
700	5.295	34.375	4.27	27.145	1.616
750	4.841	34.389	4.21	27.209	1.665
800	4.629	34.409	3.94	27.249	1.711
900	3.978	34.452	3.80	27.353	1.795
1000	3.525	34.488	3.71	27.427	1.872
1500	2.605	34.592	3.36	27.594	2.194
2000	2.128	34.631	3.37	27.666	2.471
2500	1.757	34.657	3.38	27.716	2.722
2731	1.738	34.659	3.41	27.719	2.836

CAST TW2-87-0C-049 DATE 22 JUN 87 TIME 0928 GMT
LAT 14 50.4S LONG 179 00.5E

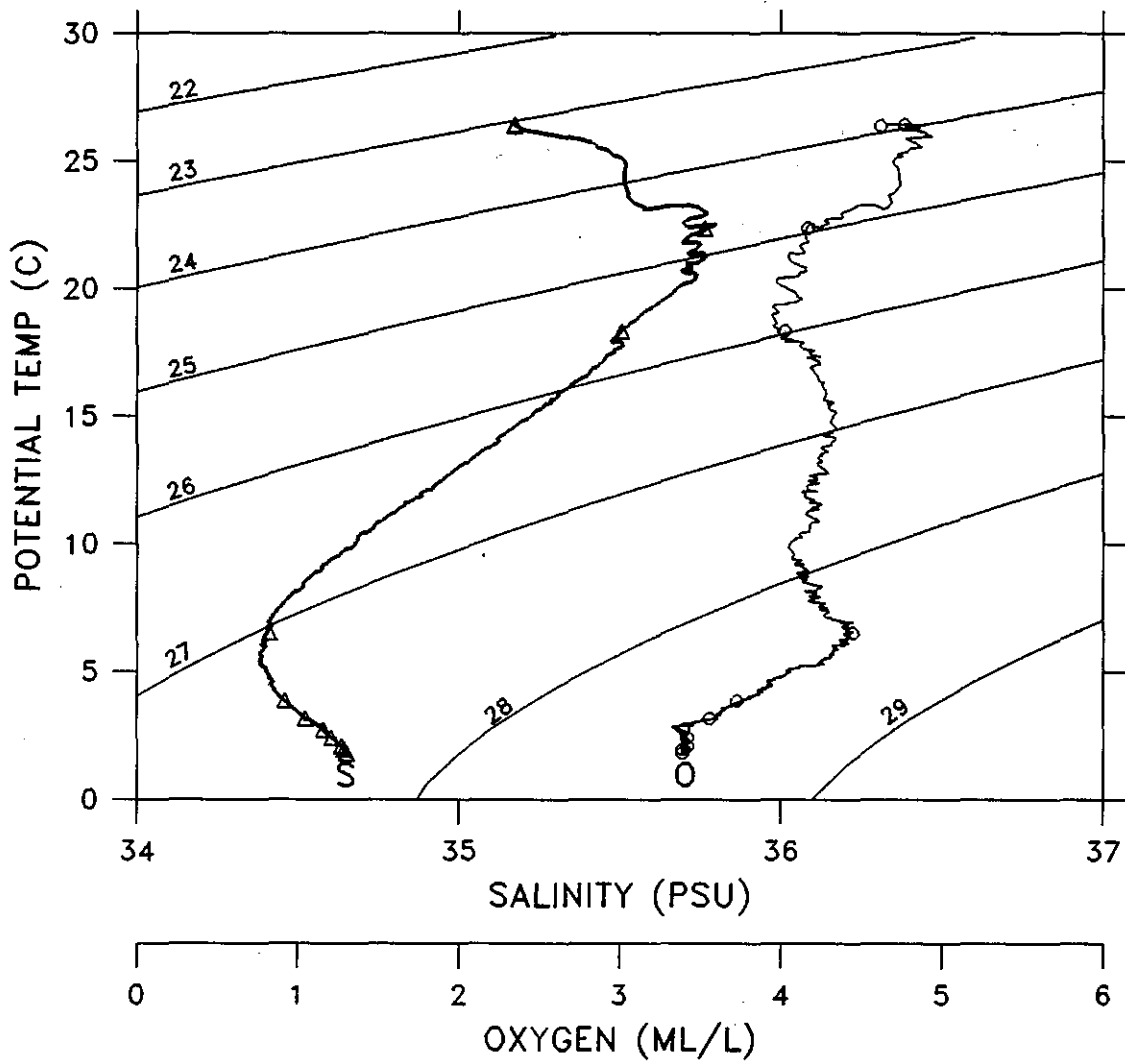


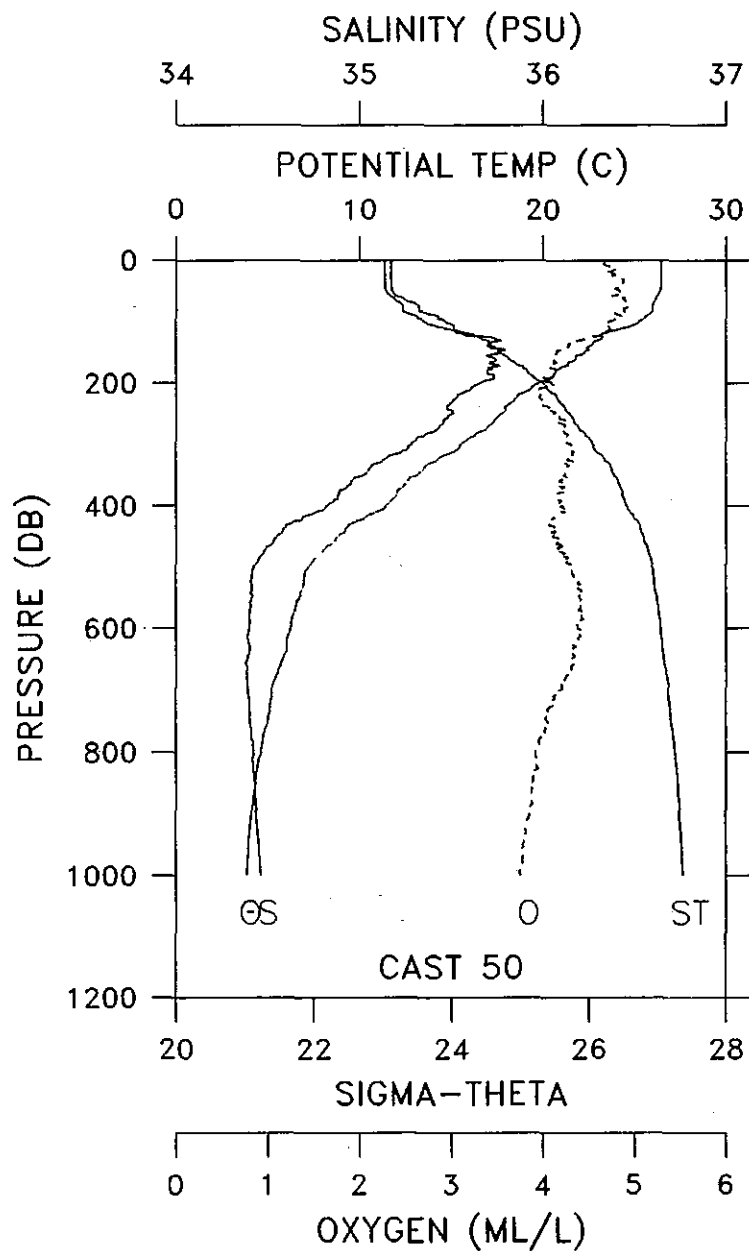


CAST TW2-87-OC-049 DATE 22 JUN 87 TIME 0928 GMT
 LAT 14 50.4S LONG 179 00.5E WEATHER 6 SEA STATE 3
 BAROMETER 12 WIND DIR 145 T SPD 20 KT VISIBILITY 8
 CLOUD 1 AMOUNT 6 DRY 25.1 WET 22.3 DEPTH 2700 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.438	35.259	4.86	23.093	0.000
10	26.431	35.260	4.92	23.096	0.048
20	26.216	35.315	4.75	23.205	0.095
30	26.056	35.387	4.75	23.310	0.141
40	25.655	35.399	4.73	23.443	0.186
50	25.621	35.399	4.79	23.454	0.231
60	25.518	35.403	4.76	23.489	0.275
70	25.474	35.408	4.78	23.506	0.319
80	25.431	35.413	4.78	23.523	0.363
90	25.317	35.426	4.72	23.568	0.407
100	25.227	35.421	4.72	23.592	0.450
110	25.136	35.447	4.75	23.640	0.493
120	24.759	35.489	4.76	23.786	0.536
130	23.904	35.561	4.77	24.096	0.576
140	24.354	35.884	4.38	24.207	0.614
150	23.753	35.917	4.19	24.410	0.651
160	23.223	35.923	4.06	24.571	0.686
170	22.626	35.908	4.01	24.732	0.719
180	22.217	35.913	3.99	24.852	0.752
190	21.863	35.888	3.96	24.933	0.783
200	20.826	35.776	3.98	25.134	0.812
250	18.467	35.531	4.02	25.564	0.947
300	15.992	35.246	3.94	25.939	1.062
300	15.992	35.246	3.94	25.939	1.062

CAST TW2-87-OC-050 DATE 22 JUN 87 TIME 1444 GMT
LAT 14 45.8S LONG 177 58.9E

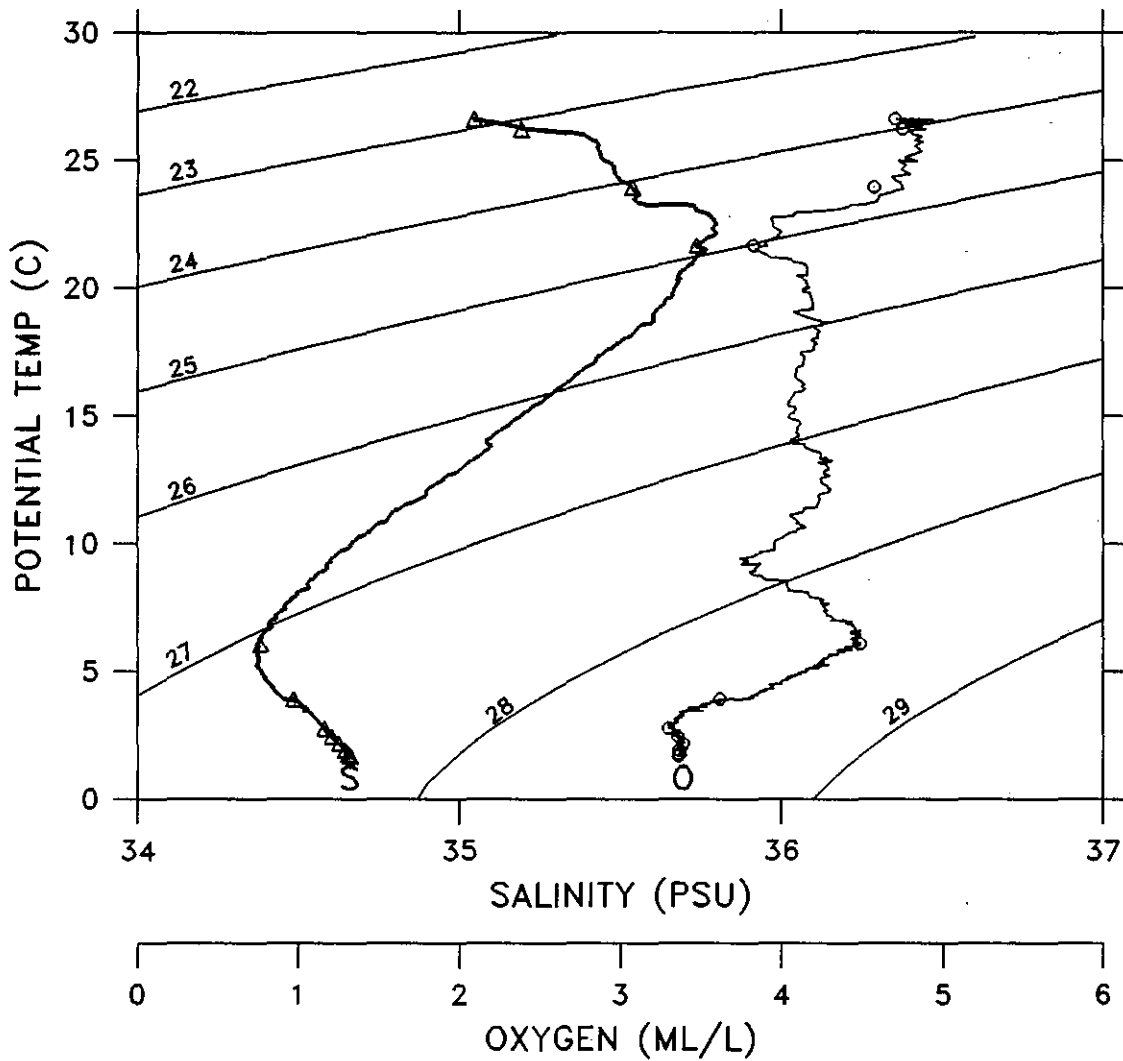


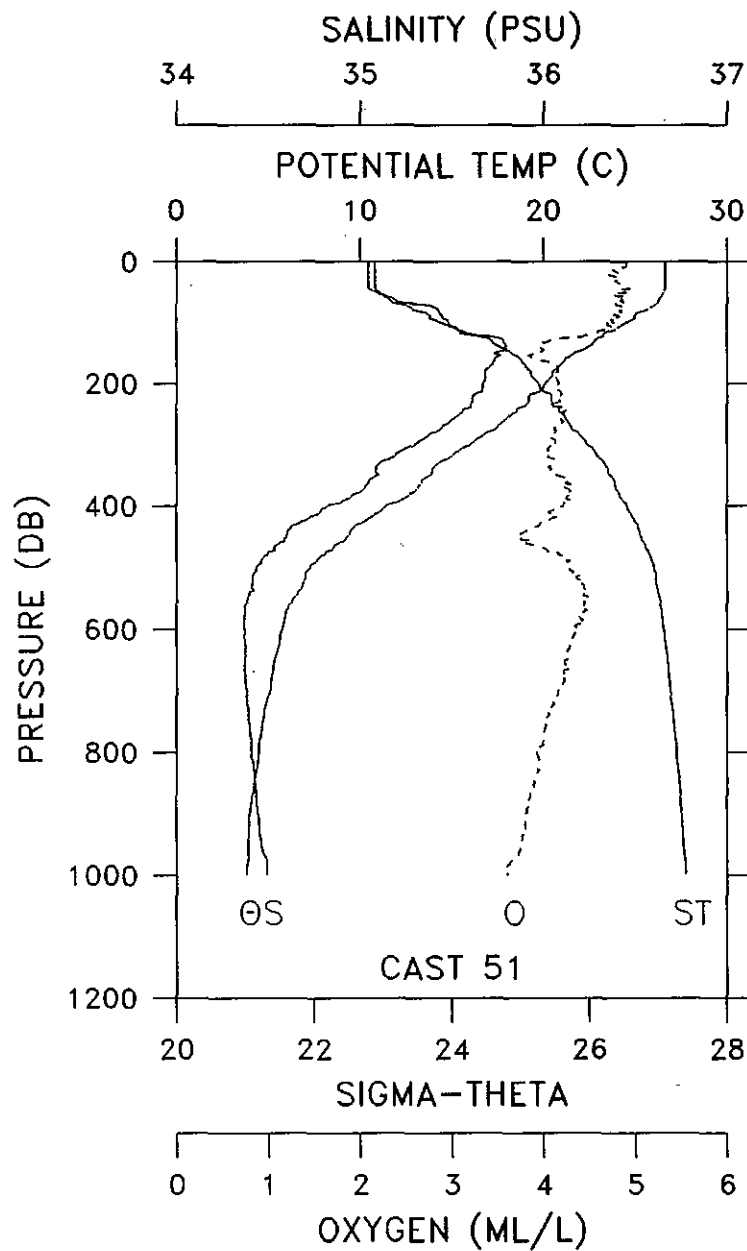


CAST TW2-87-OC-050 DATE 22 JUN 87 TIME 1444 GMT
 LAT 14 45.8S LONG 177 58.9E WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 150 T SPD 20 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 24.0 WET 21.0 DEPTH 2306 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.439	35.171	4.67	23.027	0.000
10	26.437	35.171	4.78	23.028	0.048
20	26.436	35.171	4.73	23.028	0.097
30	26.436	35.171	4.85	23.028	0.145
40	26.432	35.172	4.85	23.030	0.194
50	26.372	35.179	4.84	23.054	0.242
60	26.184	35.220	4.86	23.144	0.290
70	26.008	35.299	4.91	23.258	0.337
80	25.959	35.321	4.87	23.290	0.383
90	25.644	35.421	4.84	23.463	0.429
100	25.256	35.474	4.72	23.623	0.472
110	24.467	35.514	4.73	23.893	0.515
120	23.162	35.582	4.66	24.329	0.553
130	23.057	35.758	4.41	24.494	0.589
140	22.495	35.703	4.27	24.613	0.623
150	22.305	35.767	4.16	24.716	0.656
160	21.793	35.741	4.15	24.840	0.688
170	21.390	35.750	4.07	24.960	0.720
180	20.700	35.690	4.16	25.102	0.749
190	20.475	35.732	4.10	25.195	0.778
200	19.776	35.659	4.10	25.325	0.806
250	17.689	35.496	4.13	25.729	0.932
300	15.522	35.284	4.33	26.075	1.042
350	13.188	35.021	4.23	26.372	1.136
400	11.433	34.819	4.19	26.556	1.218
450	8.824	34.551	4.11	26.795	1.290
500	7.224	34.425	4.27	26.935	1.353
550	6.698	34.412	4.40	26.997	1.411
600	6.223	34.400	4.37	27.050	1.467
650	5.801	34.388	4.32	27.094	1.520
700	5.233	34.393	4.18	27.167	1.571
750	5.000	34.404	4.05	27.203	1.619
800	4.642	34.420	3.92	27.256	1.665
900	4.115	34.438	3.86	27.327	1.750
1000	3.842	34.463	3.75	27.375	1.831
1500	2.736	34.579	3.37	27.573	2.174
2000	2.097	34.635	3.41	27.671	2.456
2276	1.833	34.652	3.41	27.706	2.596

CAST TW2-87-OC-051 DATE 22 JUN 87 TIME 2120 GMT
LAT 14 44.0S LONG 176 59.4E

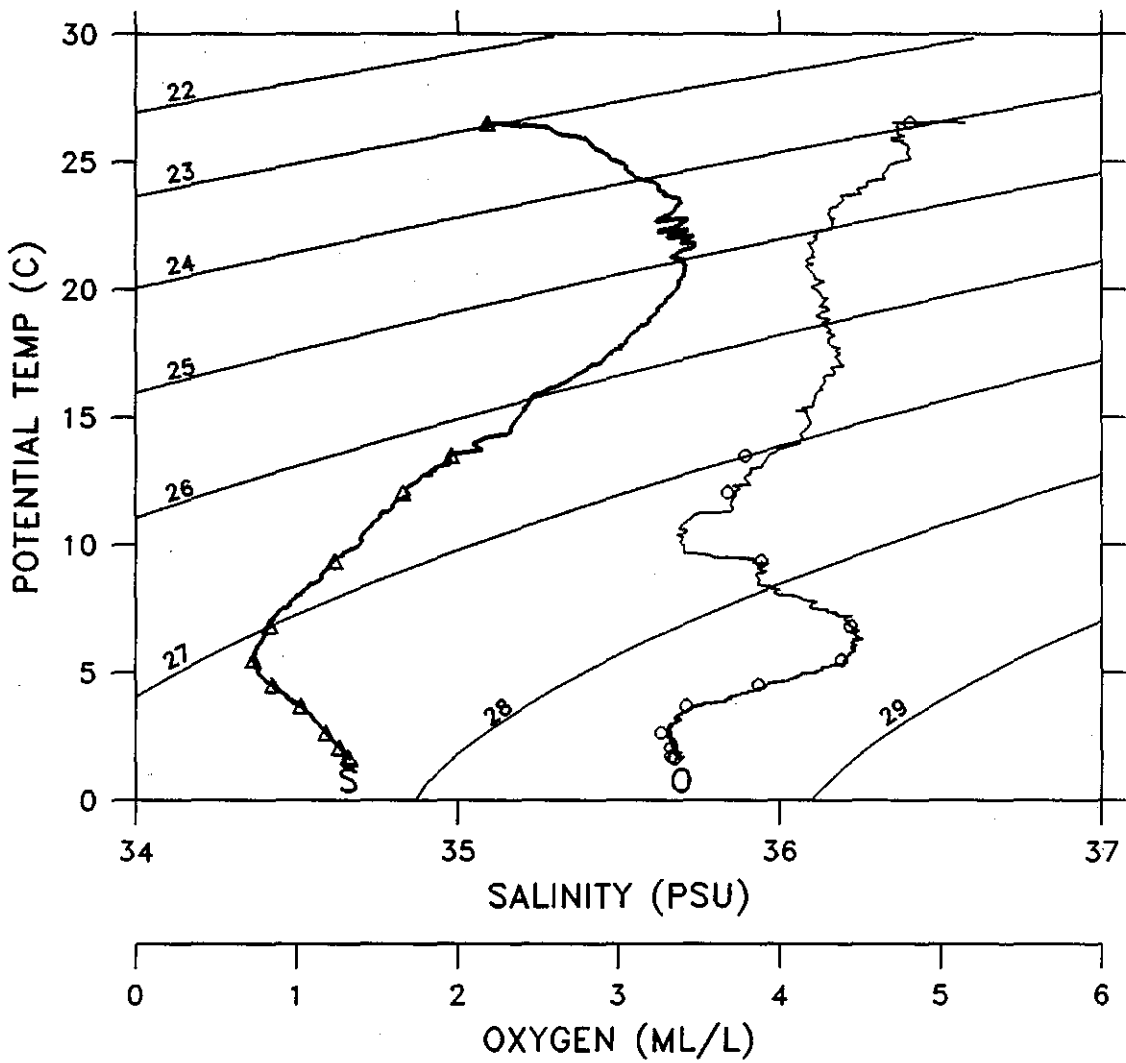


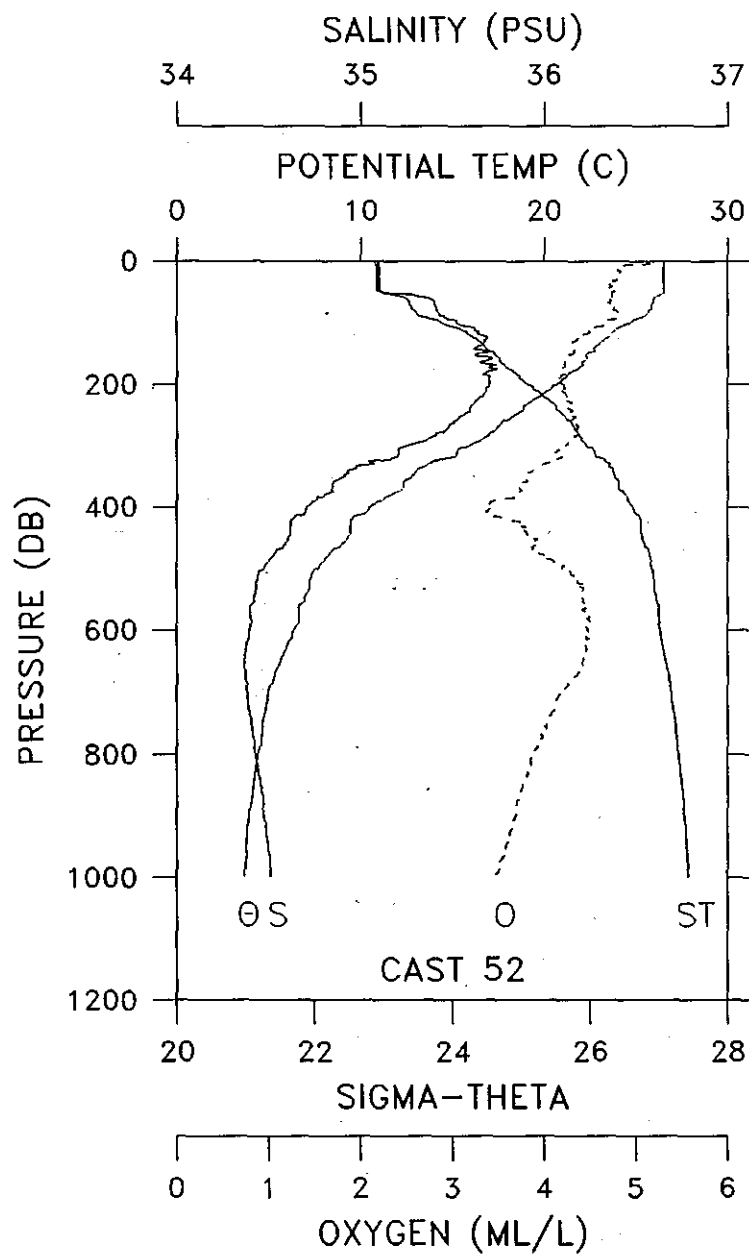


CAST TW2-87-OC-051 DATE 22 JUN 87 TIME 2120 GMT
 LAT 14 44.0S LONG 176 59.4E WEATHER 1 SEA STATE 4
 BAROMETER 14 WIND DIR 140 T SPD 20 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 25.7 WET 20.6 DEPTH 2816 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.605	35.044	4.90	22.879	0.000
10	26.604	35.044	4.82	22.878	0.050
20	26.609	35.044	4.76	22.877	0.100
30	26.607	35.043	4.81	22.877	0.149
40	26.606	35.046	4.87	22.880	0.199
50	26.511	35.093	4.90	22.945	0.249
60	26.328	35.176	4.81	23.065	0.298
70	26.093	35.337	4.79	23.260	0.345
80	25.571	35.432	4.83	23.494	0.391
90	24.979	35.450	4.83	23.689	0.434
100	24.445	35.483	4.79	23.876	0.475
110	23.976	35.532	4.75	24.053	0.515
120	23.242	35.633	4.49	24.345	0.553
130	22.805	35.779	4.06	24.583	0.588
140	22.391	35.787	3.96	24.707	0.621
150	21.646	35.732	3.92	24.875	0.653
160	21.174	35.731	3.94	25.004	0.684
170	20.914	35.712	4.14	25.061	0.714
180	20.507	35.681	4.16	25.147	0.743
190	20.345	35.685	4.14	25.194	0.772
200	20.074	35.669	4.16	25.254	0.800
250	18.271	35.542	4.23	25.621	0.931
300	16.009	35.297	4.13	25.975	1.046
350	13.830	35.096	4.14	26.298	1.143
400	11.455	34.823	4.22	26.555	1.229
450	9.282	34.599	3.76	26.759	1.302
500	7.265	34.436	4.28	26.938	1.366
550	6.368	34.388	4.45	27.022	1.424
600	5.770	34.374	4.36	27.087	1.477
650	5.344	34.371	4.23	27.137	1.528
700	5.067	34.382	4.15	27.177	1.578
750	4.719	34.396	4.04	27.228	1.625
800	4.480	34.410	3.93	27.266	1.669
900	4.007	34.446	3.81	27.345	1.754
1000	3.832	34.493	3.61	27.400	1.832
1500	2.786	34.582	3.31	27.571	2.171
2000	2.184	34.627	3.38	27.658	2.457
2500	1.779	34.656	3.38	27.713	2.709
2769	1.692	34.661	3.39	27.724	2.841

CAST TW2-87-OC-052 DATE 23 JUN 87 TIME 0323 GMT
LAT 14 41.6S LONG 175 59.5E

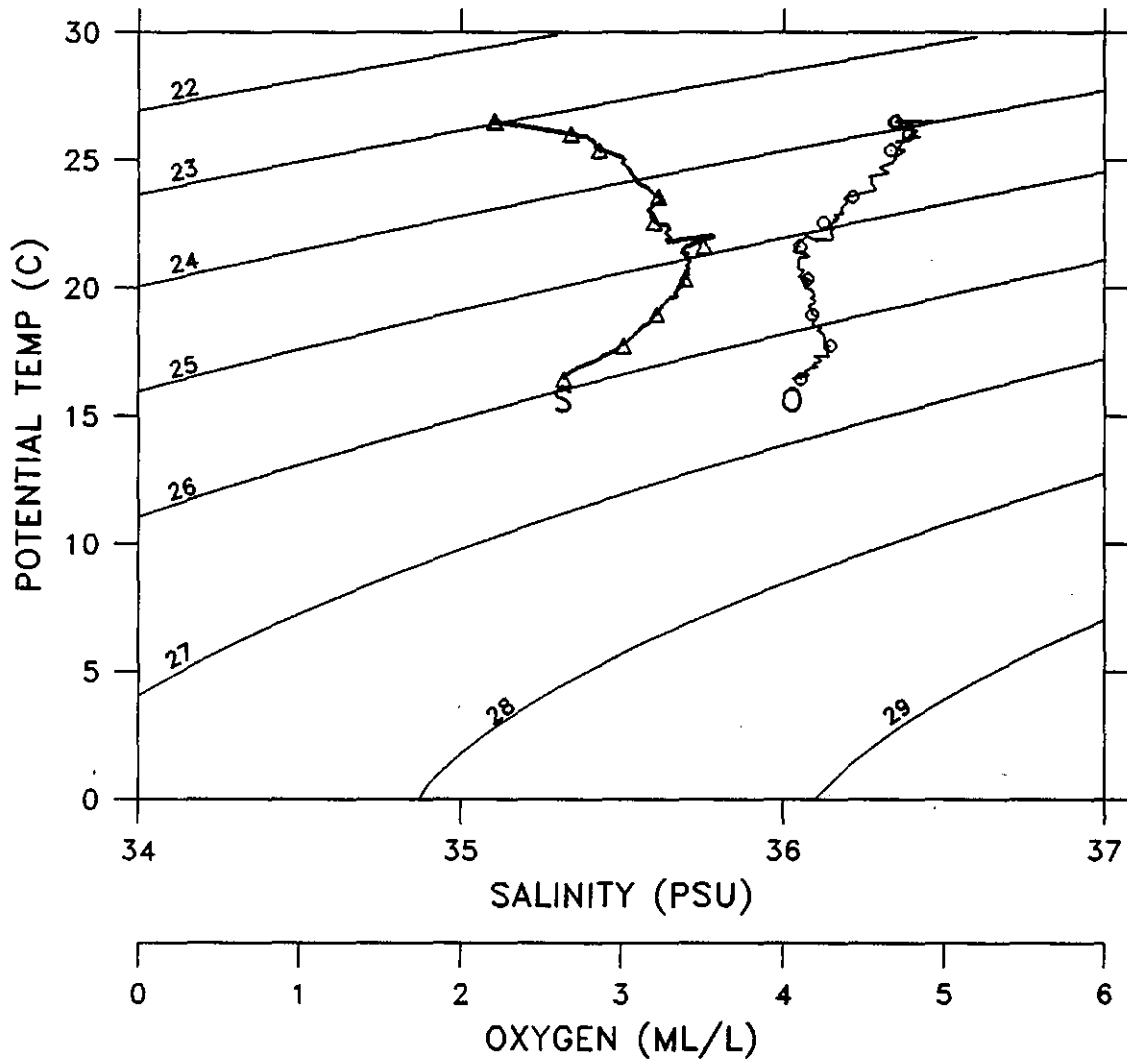




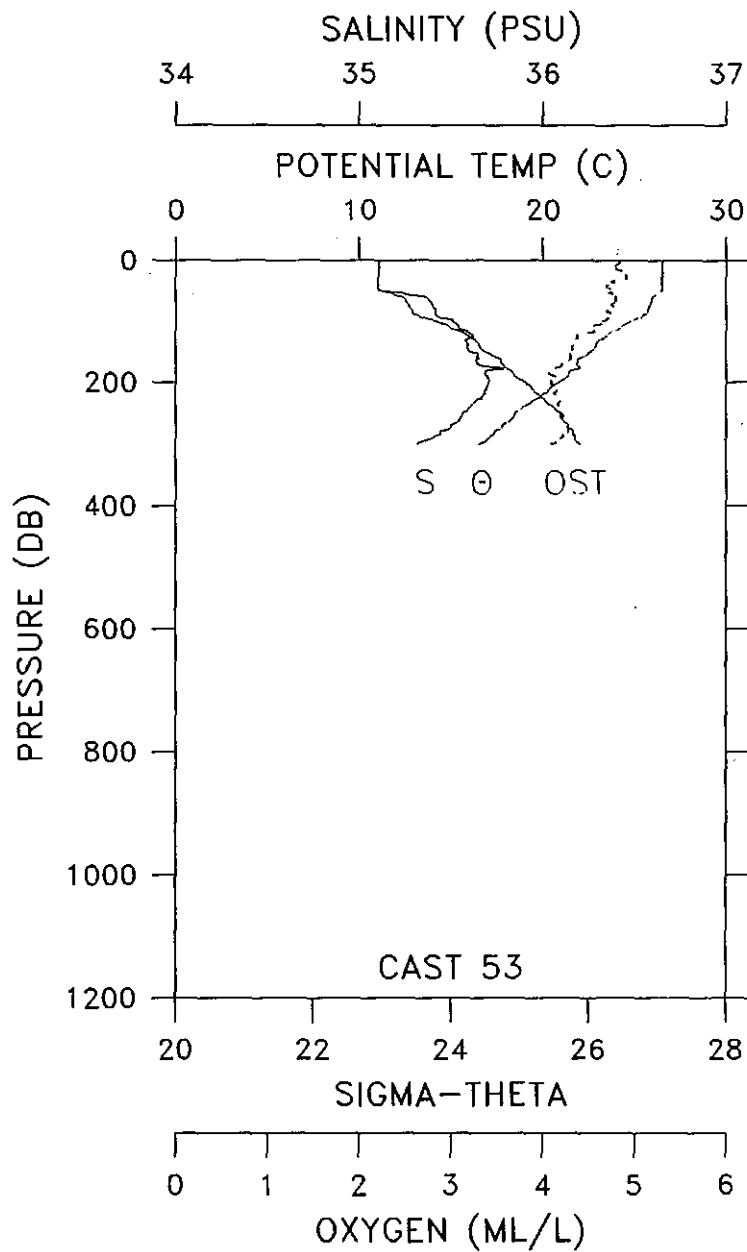
CAST TW2-87-OC-052 DATE 23 JUN 87 TIME 0323 GMT
 LAT 14 41.6S LONG 175 59.5E WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 145 T SPD 14 KT VISIBILITY 9
 CLOUD 8 AMOUNT 4 DRY 26.2 WET 21.3 DEPTH 2836 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.538	35.080	5.15	22.927	0.000
10	26.531	35.087	4.84	22.934	0.049
20	26.526	35.087	4.82	22.936	0.098
30	26.519	35.086	4.81	22.938	0.148
40	26.516	35.087	4.72	22.939	0.197
50	26.507	35.106	4.74	22.956	0.246
60	25.996	35.366	4.78	23.313	0.294
70	25.864	35.401	4.71	23.380	0.339
80	25.679	35.413	4.78	23.447	0.384
90	25.355	35.461	4.79	23.583	0.428
100	24.646	35.529	4.67	23.850	0.470
110	23.984	35.624	4.52	24.120	0.510
120	23.636	35.664	4.38	24.254	0.548
130	23.178	35.675	4.31	24.395	0.584
140	22.763	35.626	4.32	24.478	0.619
150	22.343	35.636	4.31	24.606	0.654
160	22.230	35.696	4.23	24.683	0.687
170	21.985	35.711	4.23	24.764	0.720
180	21.376	35.680	4.21	24.910	0.752
190	21.141	35.702	4.17	24.991	0.783
200	20.723	35.704	4.19	25.107	0.813
250	18.351	35.556	4.30	25.612	0.946
300	15.909	35.245	4.22	25.958	1.061
350	12.787	34.921	3.81	26.375	1.156
400	10.525	34.710	3.42	26.635	1.238
450	9.291	34.606	3.85	26.763	1.308
500	7.658	34.479	4.20	26.915	1.372
550	6.928	34.418	4.42	26.970	1.432
600	6.392	34.398	4.47	27.026	1.489
650	5.631	34.369	4.42	27.100	1.543
700	4.976	34.386	4.20	27.191	1.593
750	4.651	34.404	4.03	27.242	1.639
800	4.401	34.432	3.90	27.292	1.683
900	3.948	34.474	3.69	27.374	1.765
1000	3.689	34.514	3.49	27.431	1.840
1500	2.648	34.592	3.31	27.591	2.167
2000	2.076	34.635	3.35	27.673	2.443
2500	1.722	34.658	3.36	27.719	2.690
2797	1.650	34.663	3.39	27.729	2.833

CAST TW2-87-OC-053 DATE 23 JUN 87 TIME 0532 GMT
LAT 14 41.1S LONG 175 59.9E

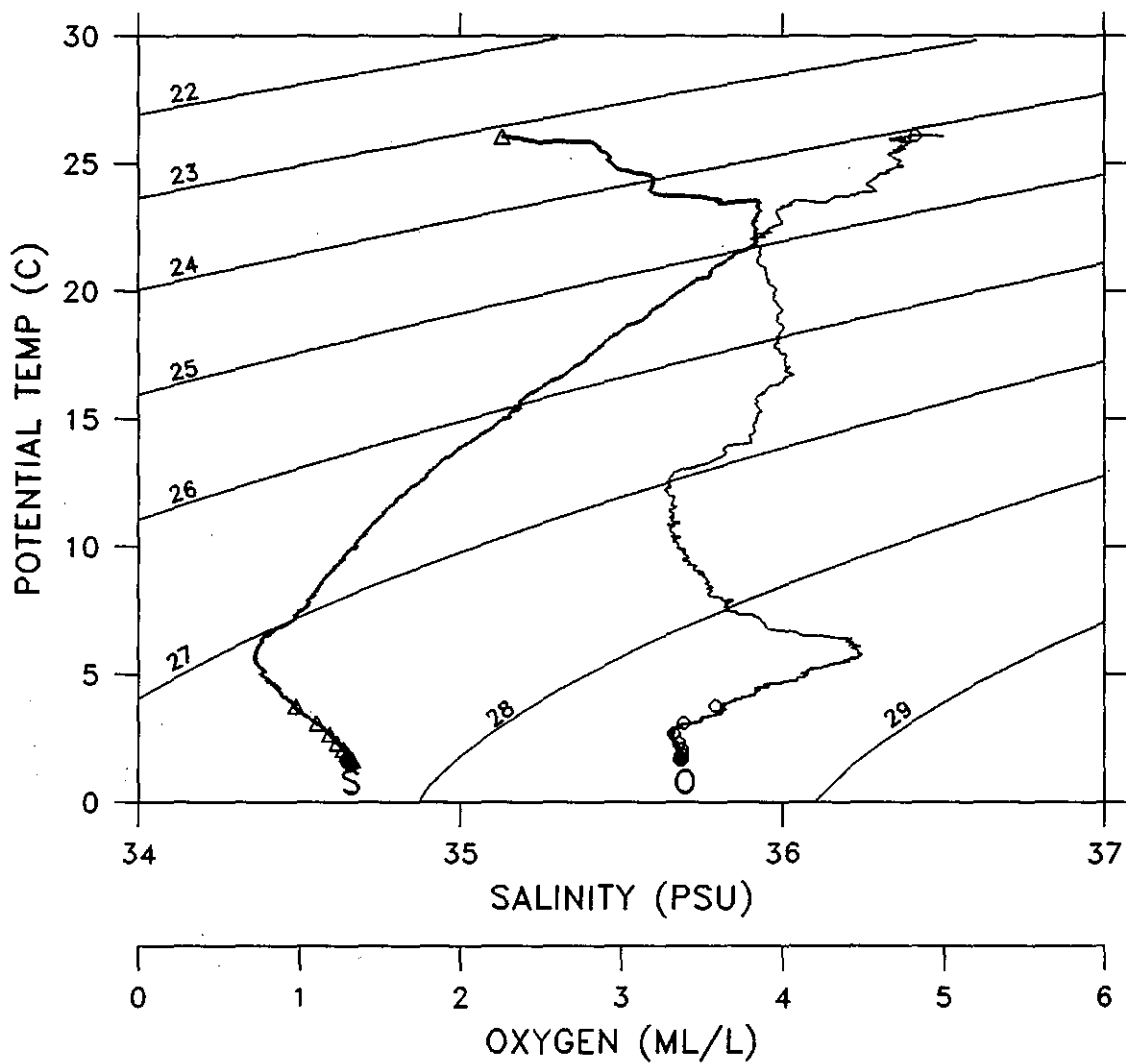


CAST TW2-87-OC-053 DATE 23 JUN 87 TIME 0532 GMT
 LAT 14 41.1S LONG 175 59.9E WEATHER 2 SEA STATE 3
 BAROMETER 13 WIND DIR 135 T SPD 14 KT VISIBILITY 9
 CLOUD 8 AMOUNT 6 DRY 24.6 WET 20.0 DEPTH 2836 M

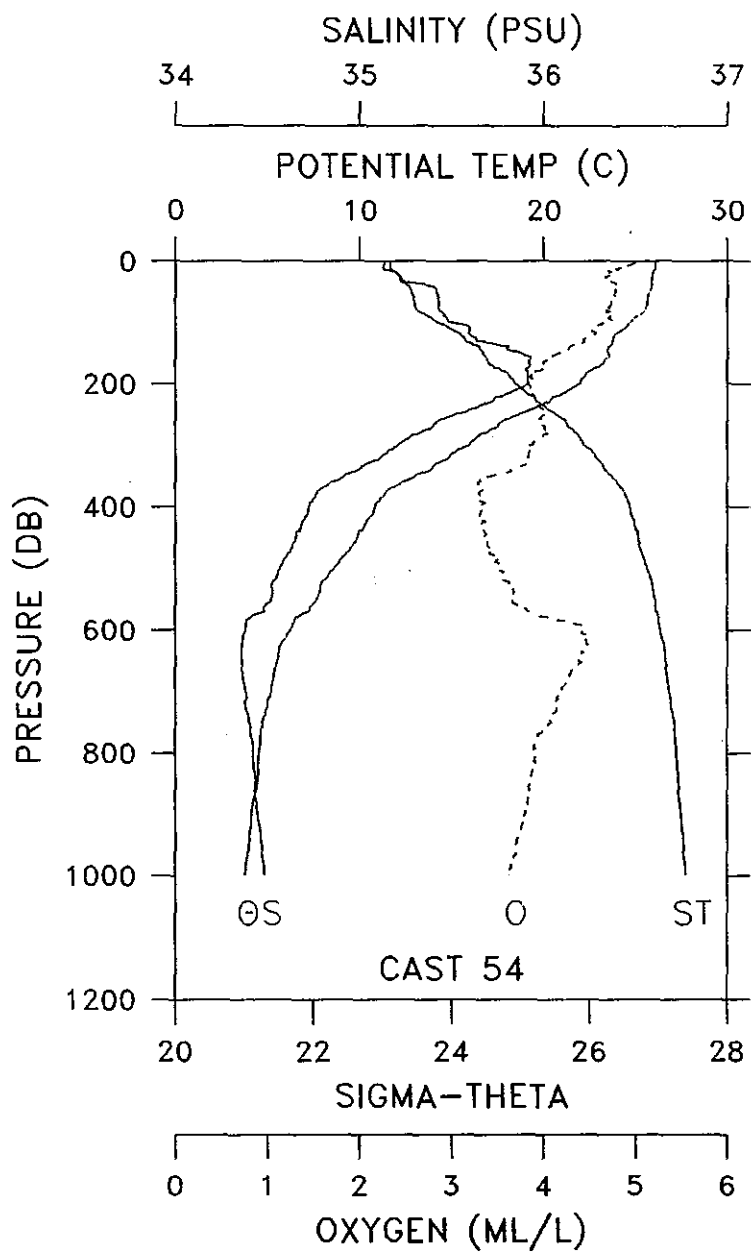


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.515	35.106	4.84	22.953	0.000
10	26.516	35.103	4.79	22.951	0.049
20	26.525	35.103	4.90	22.949	0.098
30	26.523	35.103	4.93	22.949	0.147
40	26.520	35.103	4.75	22.950	0.196
50	26.460	35.129	4.80	22.988	0.246
60	26.052	35.337	4.79	23.274	0.293
70	25.903	35.396	4.80	23.364	0.339
80	25.762	35.417	4.77	23.424	0.384
90	25.563	35.420	4.72	23.488	0.429
100	24.830	35.510	4.64	23.780	0.472
110	24.260	35.540	4.54	23.974	0.512
120	23.634	35.605	4.45	24.209	0.551
130	23.153	35.590	4.36	24.338	0.588
140	22.900	35.593	4.34	24.414	0.624
150	22.640	35.599	4.33	24.493	0.659
160	22.112	35.643	4.31	24.677	0.693
170	21.842	35.646	4.21	24.755	0.726
180	21.600	35.695	4.08	24.860	0.758
190	21.354	35.705	4.13	24.935	0.789
200	20.844	35.701	4.09	25.072	0.820
250	18.502	35.566	4.21	25.581	0.956
300	16.480	35.321	4.05	25.884	1.074
301	16.482	35.320	4.05	25.883	1.076

CAST TW2-87-OC-054 DATE 23 JUN 87 TIME 1102 GMT
LAT 14 40.9S LONG 175 00.1E

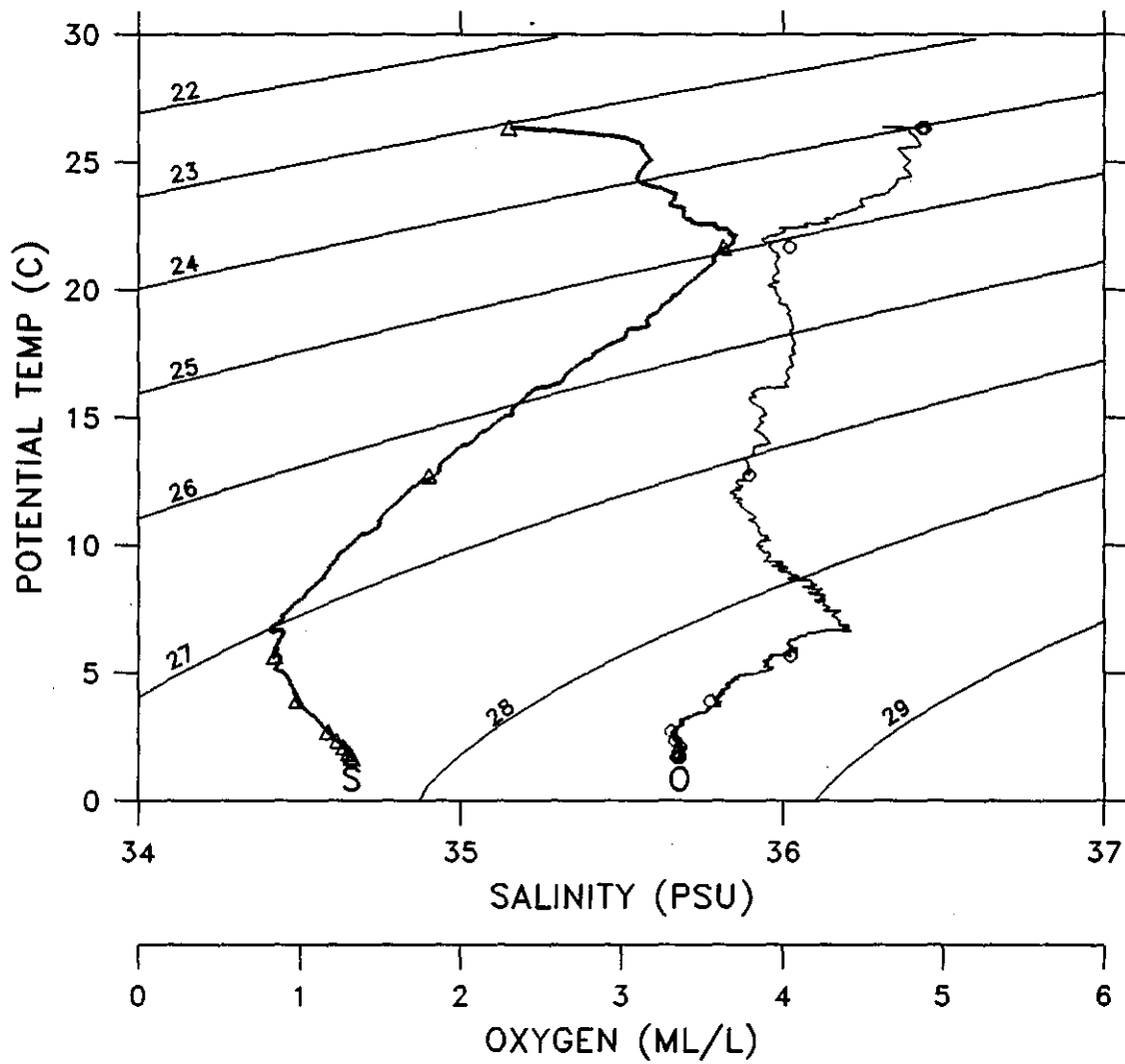


CAST TW2-87-OC-054 DATE 23 JUN 87 TIME 1102 GMT
 LAT 14 40.9S LONG 175 00.1E WEATHER 1 SEA STATE 4
 BAROMETER 15 WIND DIR 135 T SPD 18 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 24.8 WET 21.0 DEPTH 2871 M

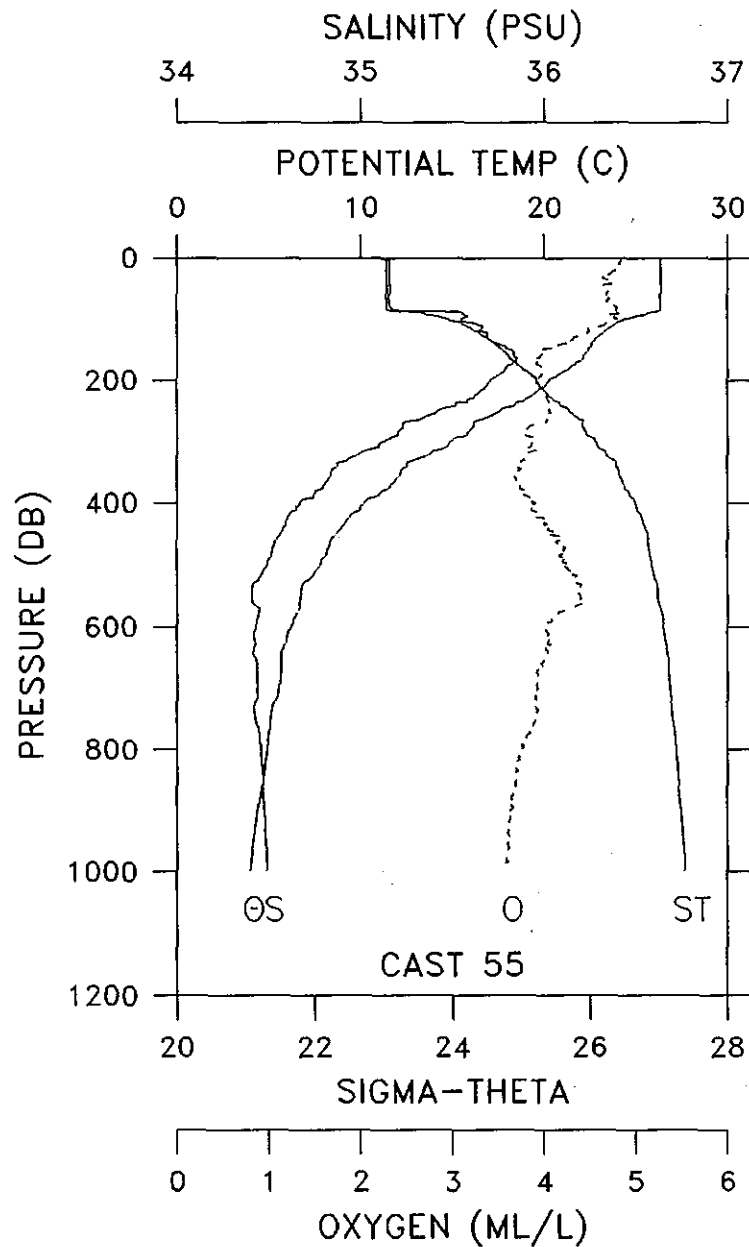


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.067	35.135	4.99	23.116	0.000
10	26.080	35.130	4.86	23.109	0.048
20	25.951	35.201	4.70	23.202	0.095
30	25.894	35.228	4.76	23.240	0.141
40	25.875	35.379	4.81	23.360	0.187
50	25.798	35.416	4.78	23.412	0.232
60	25.706	35.428	4.74	23.450	0.277
70	25.645	35.431	4.73	23.471	0.321
80	25.535	35.433	4.69	23.507	0.366
90	25.041	35.464	4.72	23.681	0.409
100	24.720	35.519	4.65	23.821	0.451
110	24.386	35.598	4.56	23.981	0.491
120	23.857	35.600	4.49	24.140	0.530
130	23.740	35.632	4.43	24.199	0.568
140	23.513	35.799	4.27	24.392	0.605
150	23.518	35.875	4.16	24.448	0.640
160	23.378	35.922	4.04	24.525	0.675
170	23.135	35.931	3.96	24.602	0.710
180	22.425	35.918	3.90	24.797	0.743
190	22.167	35.913	3.88	24.866	0.775
200	21.930	35.920	3.83	24.939	0.806
250	18.611	35.511	4.01	25.512	0.948
300	15.931	35.208	3.86	25.924	1.064
350	13.045	34.915	3.42	26.318	1.163
400	10.841	34.725	3.30	26.591	1.245
450	9.859	34.652	3.40	26.705	1.319
500	8.595	34.567	3.54	26.843	1.387
550	7.650	34.517	3.65	26.946	1.449
600	6.257	34.382	4.42	27.031	1.507
650	5.532	34.361	4.39	27.106	1.560
700	5.204	34.386	4.17	27.165	1.610
750	4.717	34.400	4.08	27.232	1.657
800	4.550	34.422	3.90	27.268	1.702
900	4.143	34.448	3.79	27.332	1.788
1000	3.791	34.486	3.62	27.399	1.867
1500	2.683	34.590	3.31	27.586	2.199
2000	2.089	34.634	3.35	27.671	2.477
2500	1.724	34.658	3.39	27.719	2.726
2775	1.661	34.662	3.39	27.727	2.858

CAST TW2-87-OC-055 DATE 23 JUN 87 TIME 1726 GMT
LAT 14 38.0S LONG 173 59.9E

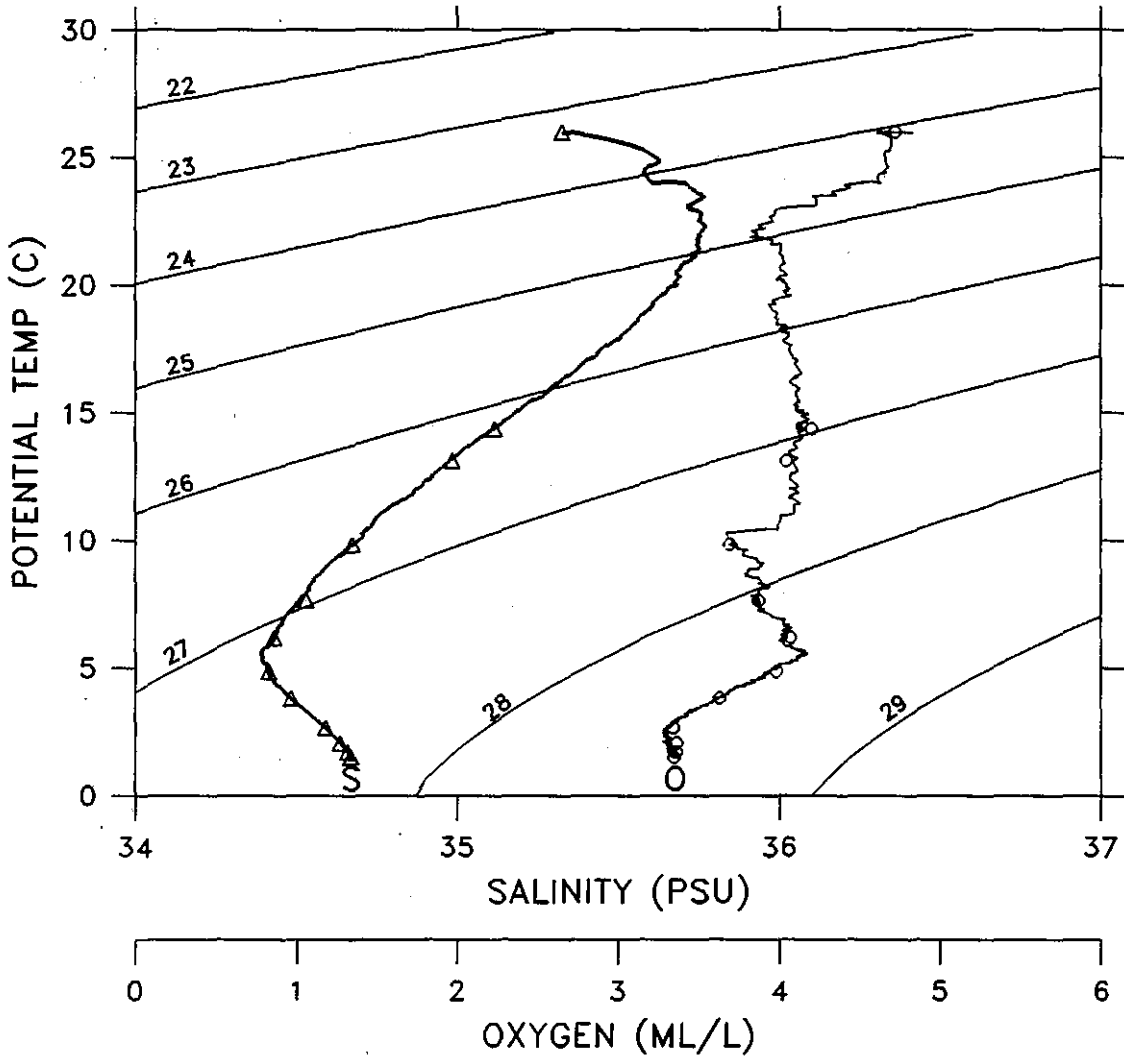


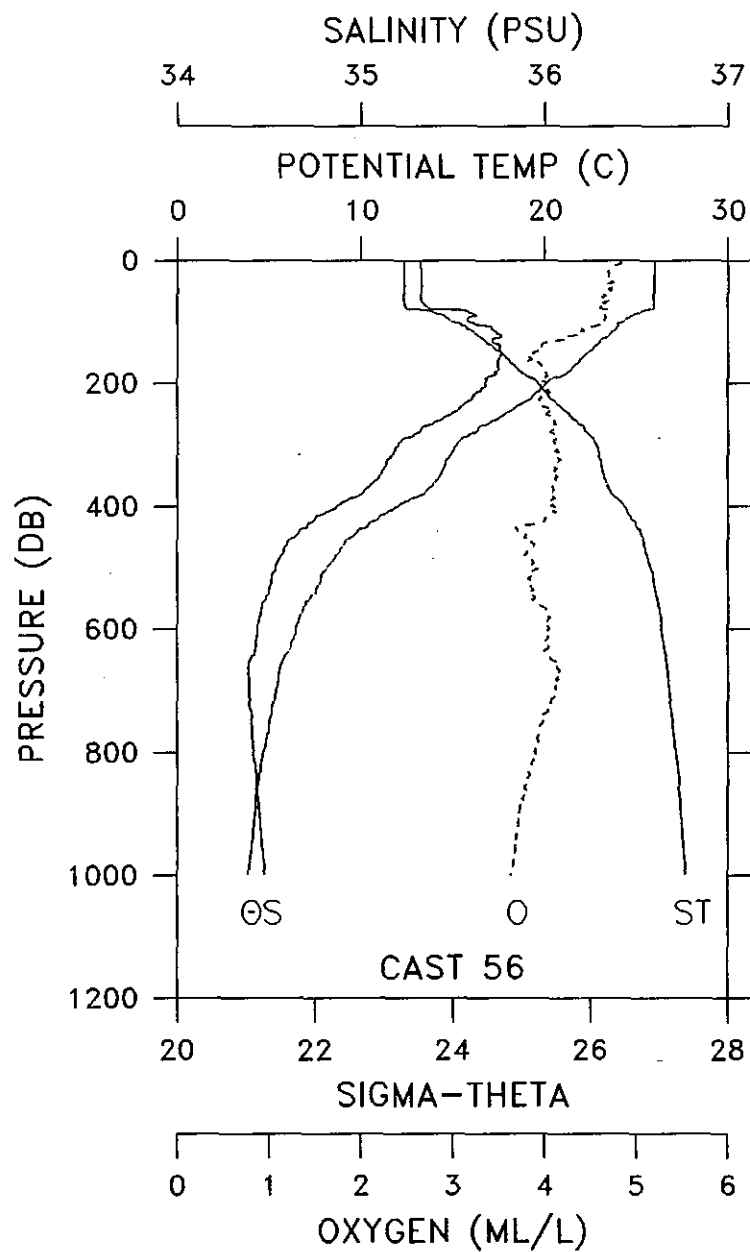
CAST TW2-87-OC-055 DATE 23 JUN 87 TIME 1726 GMT
 LAT 14 38.0S LONG 173 59.9E WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 110 T SPD 14 KT VISIBILITY 8
 CLOUD 8 AMOUNT 1 DRY 24.0 WET 18.3 DEPTH 2585 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.358	35.157	4.84	23.042	0.000
10	26.353	35.157	4.82	23.043	0.048
20	26.358	35.157	4.78	23.041	0.096
30	26.357	35.157	4.70	23.042	0.145
40	26.355	35.157	4.73	23.042	0.193
50	26.361	35.161	4.65	23.044	0.241
60	26.356	35.158	4.67	23.043	0.290
70	26.352	35.160	4.68	23.045	0.338
80	26.354	35.165	4.80	23.049	0.387
90	25.617	35.561	4.86	23.578	0.434
100	24.396	35.548	4.79	23.940	0.475
110	23.811	35.659	4.65	24.198	0.514
120	23.262	35.673	4.49	24.370	0.551
130	22.854	35.690	4.32	24.501	0.586
140	22.590	35.760	4.16	24.630	0.621
150	22.400	35.822	3.98	24.731	0.654
160	22.137	35.835	3.96	24.815	0.686
170	21.751	35.837	3.92	24.925	0.718
180	21.314	35.790	3.96	25.011	0.748
190	20.713	35.752	3.97	25.146	0.778
200	20.297	35.709	3.98	25.225	0.806
250	17.566	35.417	4.06	25.699	0.937
300	14.887	35.113	3.86	26.085	1.047
350	12.205	34.841	3.71	26.427	1.138
400	10.192	34.667	3.89	26.659	1.218
450	8.660	34.559	4.05	26.827	1.287
500	7.813	34.491	4.20	26.902	1.350
550	6.740	34.408	4.40	26.988	1.409
600	6.237	34.432	4.04	27.073	1.464
650	5.669	34.427	4.04	27.142	1.516
700	5.516	34.435	3.93	27.166	1.566
750	5.105	34.429	3.92	27.211	1.614
800	4.912	34.458	3.75	27.256	1.660
900	4.373	34.478	3.63	27.331	1.747
1000	3.980	34.489	3.58	27.382	1.827
1500	2.684	34.589	3.33	27.585	2.162
2000	2.106	34.632	3.37	27.669	2.440
2500	1.722	34.659	3.39	27.720	2.690
2524	1.711	34.660	3.36	27.722	2.701

CAST TW2-87-OC-056 DATE 23 JUN 87 TIME 2355 GMT
LAT 14 35.5S LONG 172 59.0E

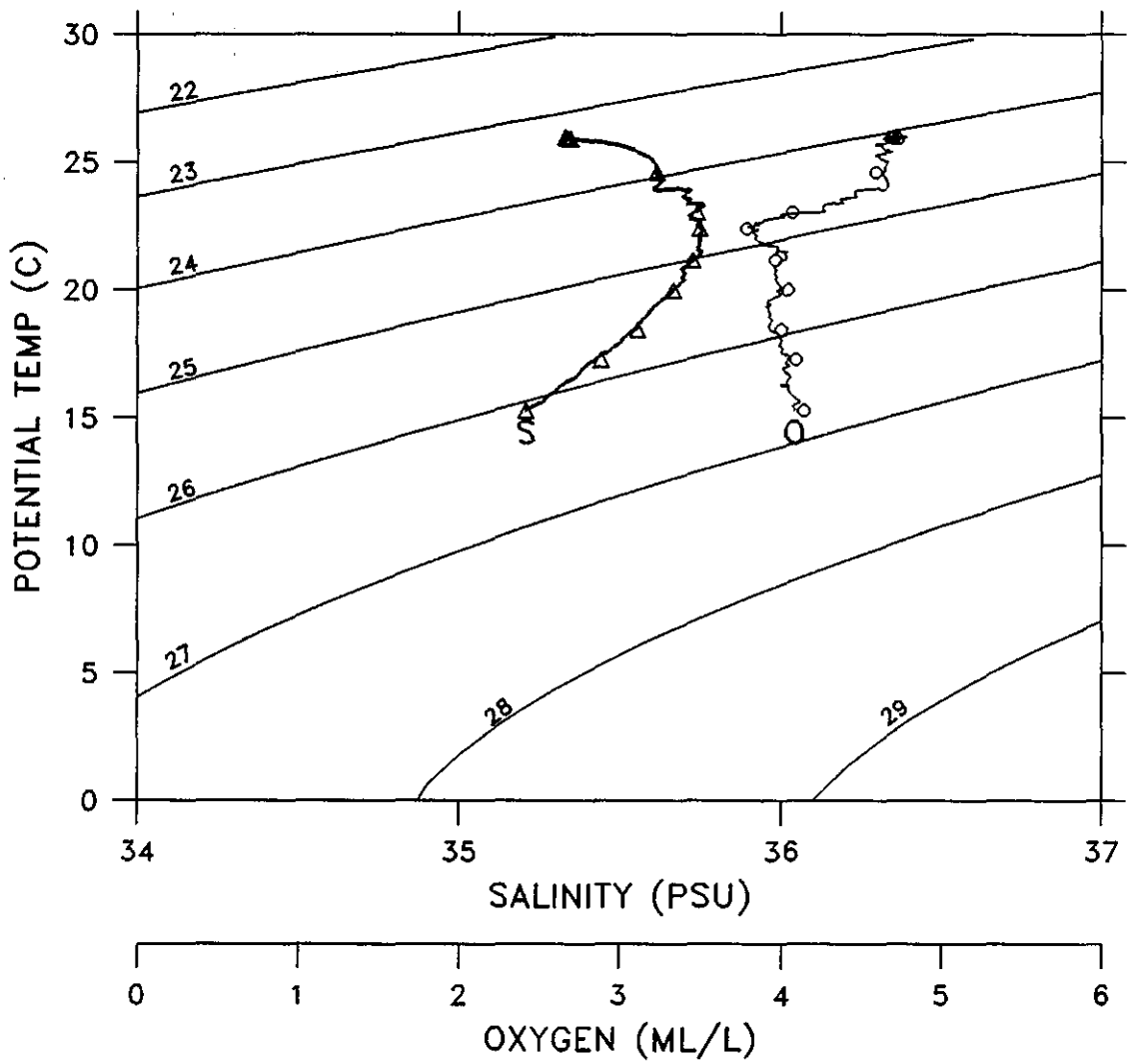


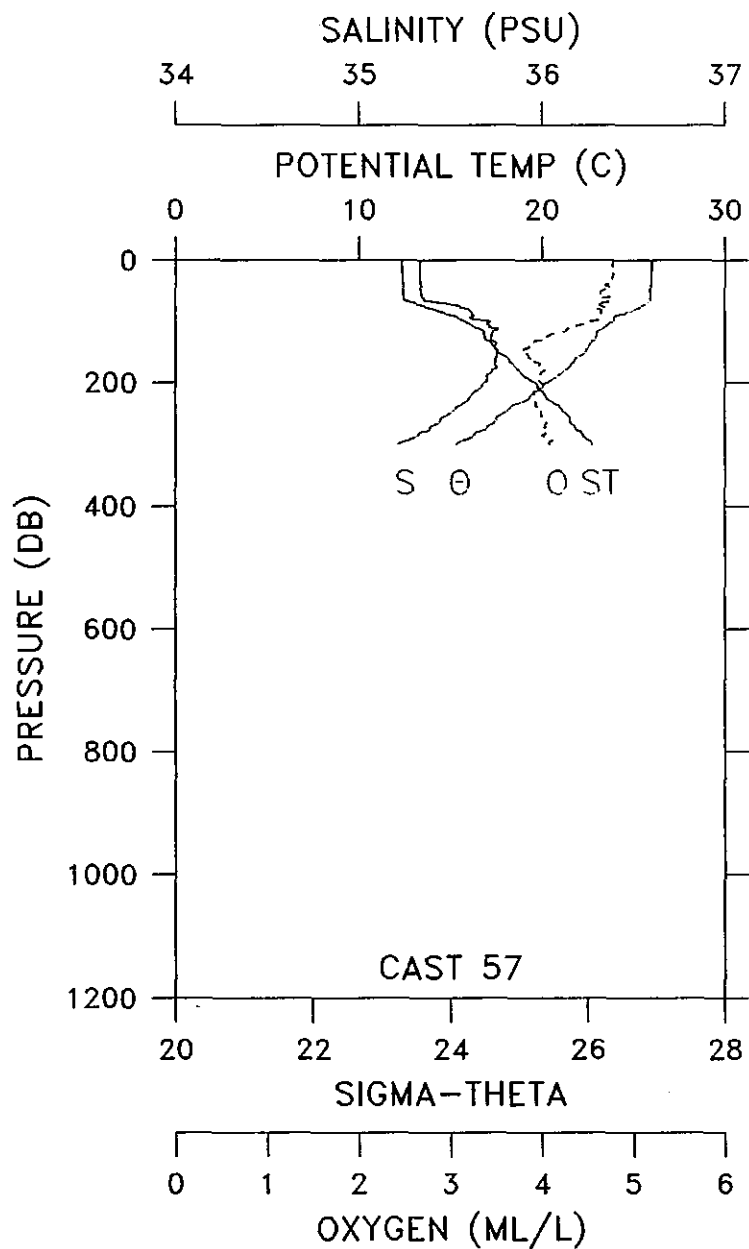


CAST TW2-87-OC-056 DATE 23 JUN 87 TIME 2355 GMT
 LAT 14 35.5S LONG 172 59.0E WEATHER 1 SEA STATE 2
 BAROMETER 13 WIND DIR 140 T SPD 18 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 DRY 25.5 WET 19.8 DEPTH 3187 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.983	35.326	4.83	23.286	0.000
10	25.981	35.325	4.74	23.287	0.046
20	25.975	35.326	4.69	23.289	0.092
30	25.974	35.327	4.67	23.290	0.138
40	25.974	35.327	4.68	23.290	0.184
50	25.974	35.327	4.71	23.291	0.230
60	25.973	35.327	4.63	23.291	0.276
70	25.972	35.344	4.66	23.304	0.322
80	25.751	35.455	4.70	23.457	0.367
90	24.801	35.624	4.66	23.875	0.409
100	24.289	35.585	4.61	24.000	0.450
110	23.934	35.713	4.43	24.203	0.488
120	23.555	35.758	4.35	24.348	0.525
130	23.066	35.713	4.14	24.457	0.560
140	22.753	35.754	3.97	24.578	0.595
150	22.385	35.764	3.89	24.691	0.629
160	21.967	35.749	3.86	24.798	0.661
170	21.654	35.745	3.94	24.882	0.693
180	21.355	35.744	4.01	24.964	0.724
190	20.666	35.691	3.99	25.113	0.754
200	20.161	35.678	4.03	25.238	0.782
250	17.849	35.493	4.02	25.688	0.913
300	15.214	35.202	4.12	26.081	1.022
350	14.337	35.108	4.13	26.199	1.120
400	12.025	34.867	4.07	26.481	1.210
450	9.446	34.642	3.77	26.766	1.285
500	8.172	34.535	3.91	26.883	1.351
550	7.303	34.482	3.90	26.968	1.412
600	6.482	34.438	4.06	27.046	1.468
650	5.773	34.396	4.08	27.104	1.522
700	5.378	34.390	4.10	27.147	1.573
750	5.020	34.406	3.99	27.202	1.621
800	4.683	34.416	3.89	27.248	1.668
900	4.250	34.449	3.74	27.322	1.754
1000	3.844	34.478	3.63	27.387	1.835
1500	2.679	34.586	3.31	27.583	2.168
2000	2.087	34.634	3.29	27.672	2.447
2500	1.729	34.659	3.33	27.720	2.697
3000	1.539	34.669	3.37	27.741	2.933
3156	1.532	34.670	3.35	27.743	3.007

CAST TW2-87-OC-057 DATE 24 JUN 87 TIME 0218 GMT
LAT 14 34.7S LONG 172 59.8E



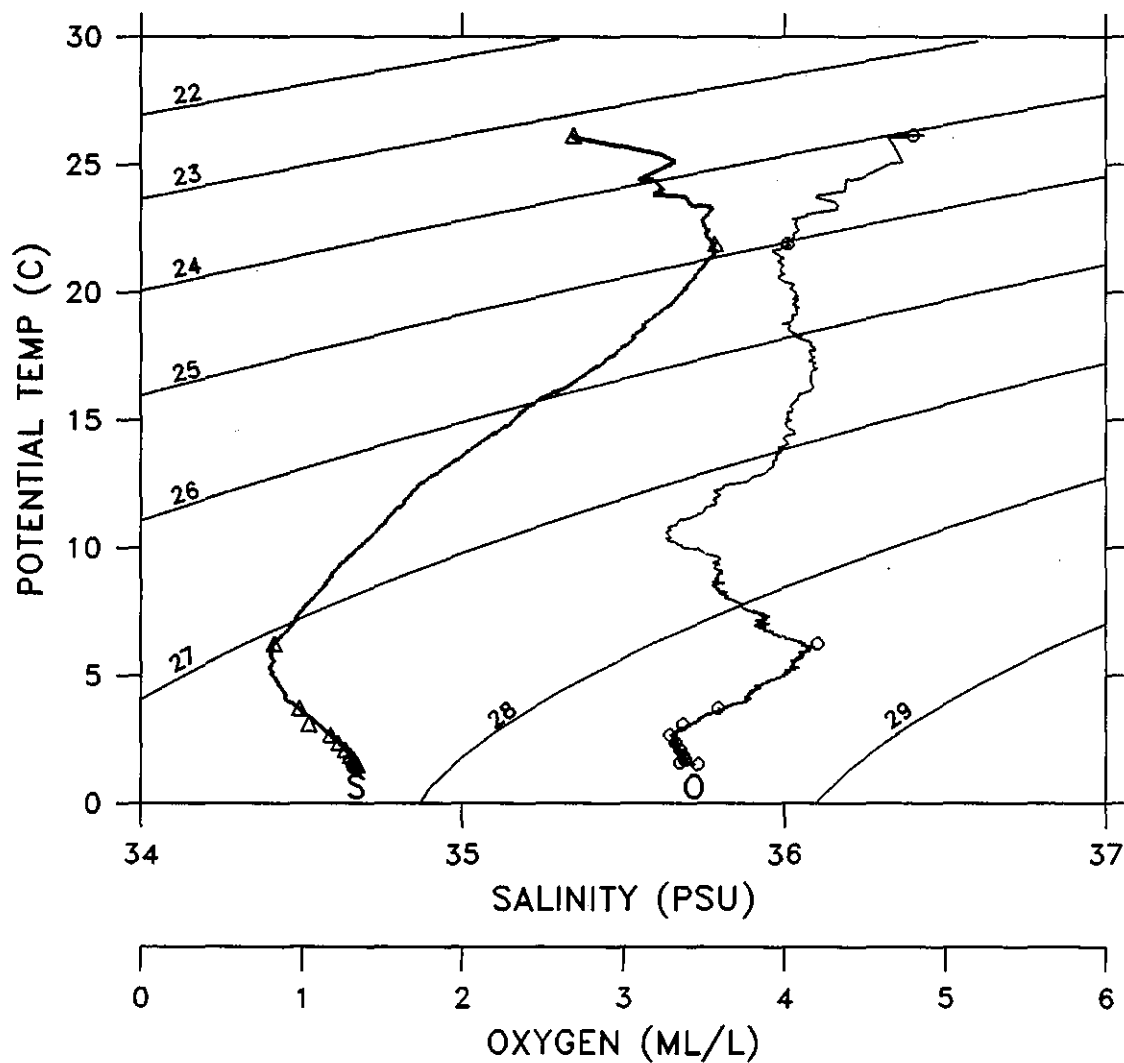


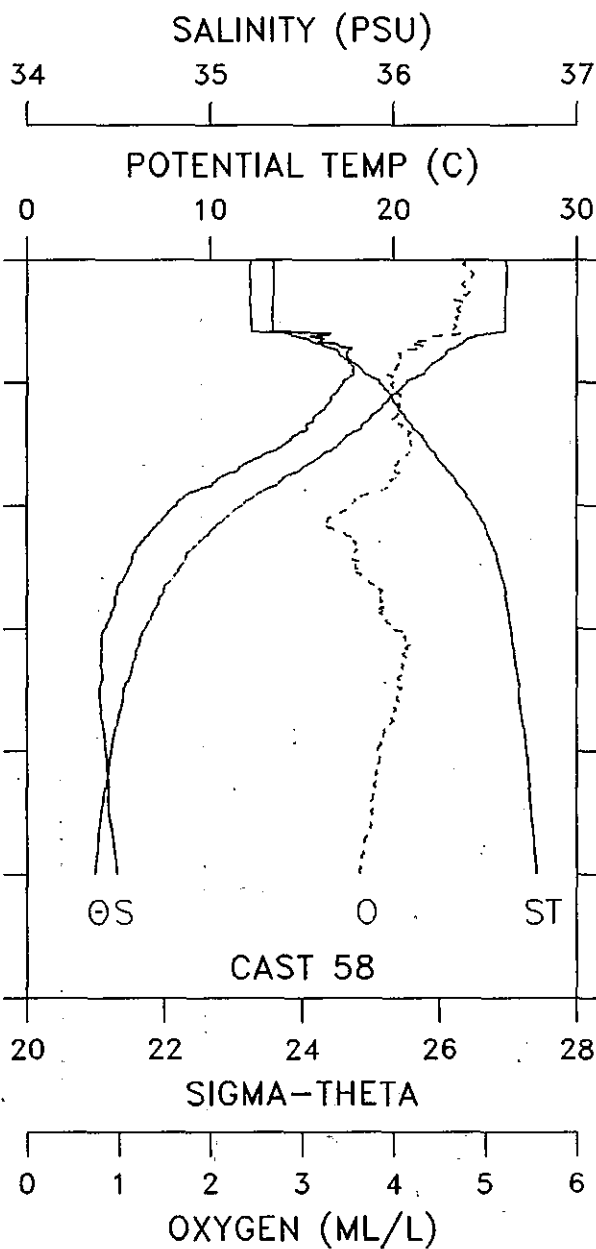
CAST TW2-87-OC-057 DATE 24 JUN 87 TIME 0218 GMT
 LAT 14 34.7S LONG 172 59.8E WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 140 T SPD 16 KT VISIBILITY 7
 CLOUD 1 AMOUNT 4 DRY 27.0 WET 22.0 DEPTH 3187 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.986	35.333	4.77	23.291	0.000
10	25.979	35.332	4.77	23.292	0.046
20	25.969	35.331	4.76	23.295	0.092
30	25.958	35.332	4.76	23.299	0.137
40	25.943	35.336	4.70	23.306	0.183
50	25.928	35.341	4.66	23.315	0.229
60	25.918	35.348	4.72	23.324	0.275
70	25.749	35.458	4.66	23.459	0.320
80	25.196	35.595	4.61	23.733	0.363
90	24.415	35.623	4.64	23.991	0.404
100	23.900	35.720	4.48	24.218	0.442
110	23.409	35.707	4.38	24.352	0.479
120	22.989	35.727	4.13	24.490	0.514
130	22.892	35.716	4.01	24.510	0.549
140	22.581	35.743	3.84	24.619	0.583
150	22.363	35.754	3.81	24.690	0.617
160	21.836	35.744	3.88	24.831	0.649
170	21.586	35.744	3.98	24.901	0.681
180	21.208	35.719	4.03	24.986	0.711
190	20.802	35.693	3.97	25.077	0.741
200	20.227	35.684	3.98	25.224	0.770
250	17.877	35.498	3.99	25.685	0.901
300	15.276	35.206	4.08	26.071	1.013
300	15.276	35.206	4.08	26.071	1.013

CAST TW2-87-OC-058 DATE 24 JUN 87 TIME 0801 GMT

LAT 14 34.9S LONG 171 57.6E

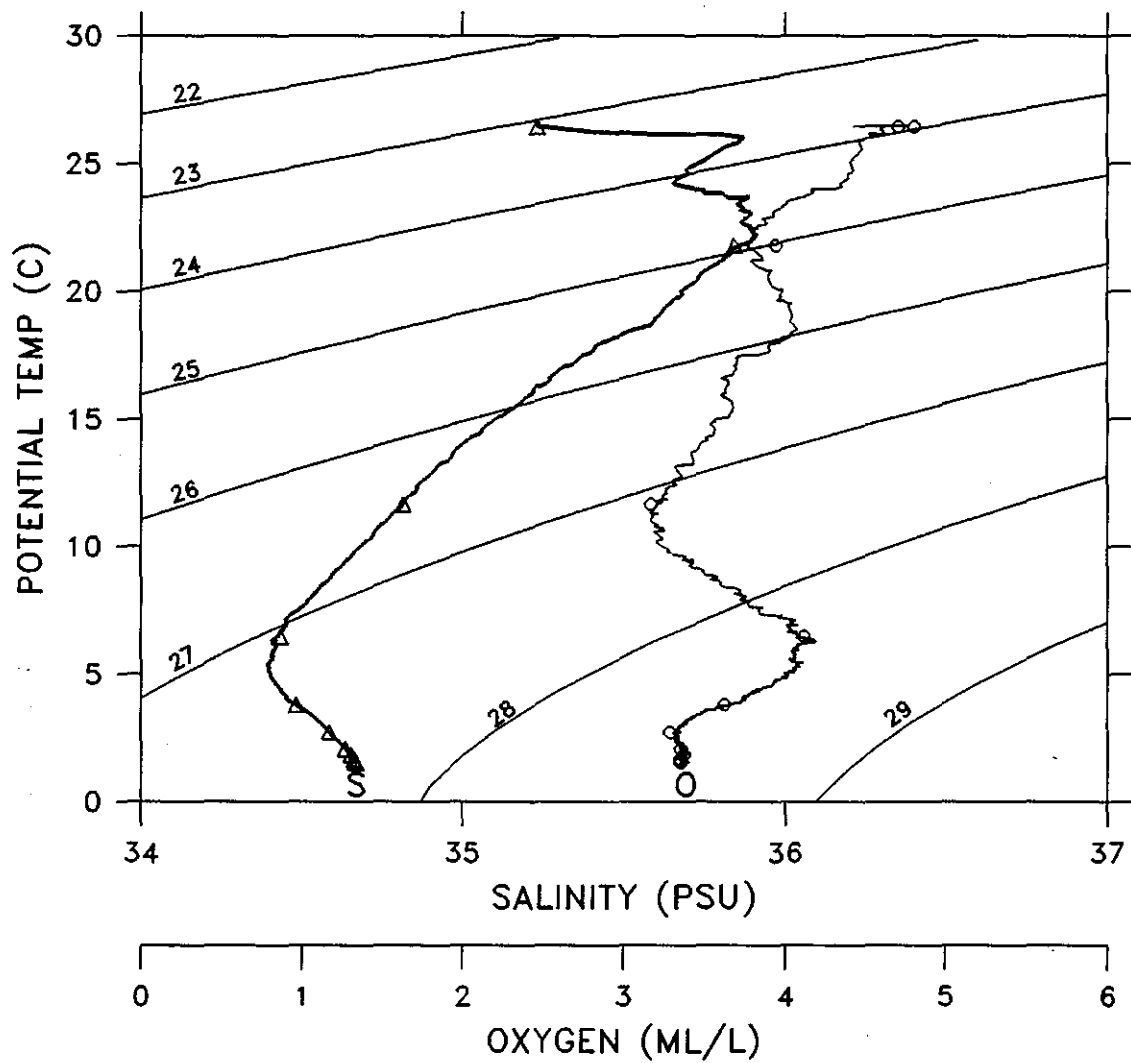


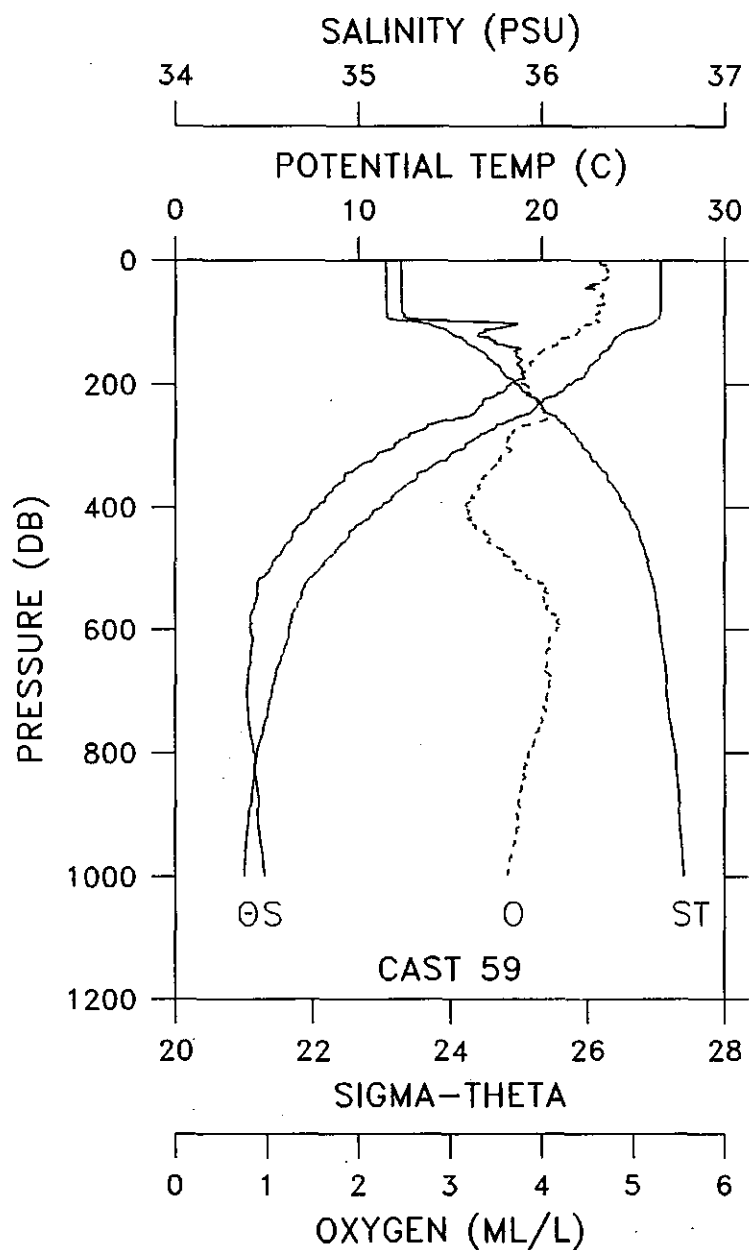


CAST TW2-87-OC-058 DATE 24 JUN 87 TIME 0801 GMT
 LAT 14 34.9S LONG 171 57.6E WEATHER 1 SEA STATE 2
 BAROMETER 13 WIND DIR 140 T SPD 20 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 DRY 25.0 WET 20.0 DEPTH 3584 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.147	35.345	4.78	23.249	0.000
10	26.158	35.344	4.79	23.245	0.046
20	26.153	35.344	4.85	23.247	0.092
30	26.153	35.344	4.85	23.247	0.139
40	26.152	35.344	4.74	23.247	0.185
50	26.146	35.345	4.83	23.250	0.232
60	26.137	35.346	4.71	23.253	0.278
70	26.127	35.345	4.78	23.256	0.324
80	26.098	35.341	4.70	23.262	0.371
90	26.083	35.340	4.70	23.266	0.417
100	26.081	35.340	4.67	23.267	0.464
110	26.083	35.343	4.69	23.268	0.510
120	25.124	35.661	4.73	23.805	0.556
130	23.991	35.605	4.38	24.104	0.596
140	23.528	35.705	4.31	24.316	0.634
150	22.904	35.749	4.09	24.531	0.669
160	22.614	35.749	4.08	24.615	0.703
170	22.078	35.765	4.05	24.779	0.737
180	21.771	35.779	4.01	24.875	0.768
190	21.300	35.763	3.98	24.994	0.799
200	20.710	35.724	4.00	25.125	0.829
250	19.001	35.591	4.05	25.474	0.966
300	17.031	35.408	4.19	25.821	1.088
350	14.369	35.086	4.01	26.176	1.194
400	11.743	34.818	3.57	26.497	1.283
450	9.710	34.649	3.55	26.727	1.358
500	8.366	34.556	3.57	26.870	1.425
550	7.246	34.482	3.86	26.976	1.485
600	6.437	34.425	4.00	27.042	1.542
650	5.883	34.404	4.09	27.096	1.595
700	5.290	34.397	4.04	27.164	1.646
750	4.960	34.410	4.00	27.212	1.694
800	4.589	34.428	3.82	27.268	1.739
900	4.060	34.447	3.76	27.340	1.824
1000	3.704	34.490	3.63	27.410	1.902
1500	2.705	34.586	3.31	27.581	2.234
2000	2.104	34.633	3.33	27.669	2.512
2500	1.732	34.660	3.37	27.720	2.761
3000	1.531	34.669	3.37	27.743	2.998
3500	1.514	34.671	3.42	27.745	3.238
3537	1.514	34.670	3.44	27.744	3.256

CAST TW2-87-OC-059 DATE 24 JUN 87 TIME 1408 GMT
LAT 14 33.0S LONG 170 59.6E

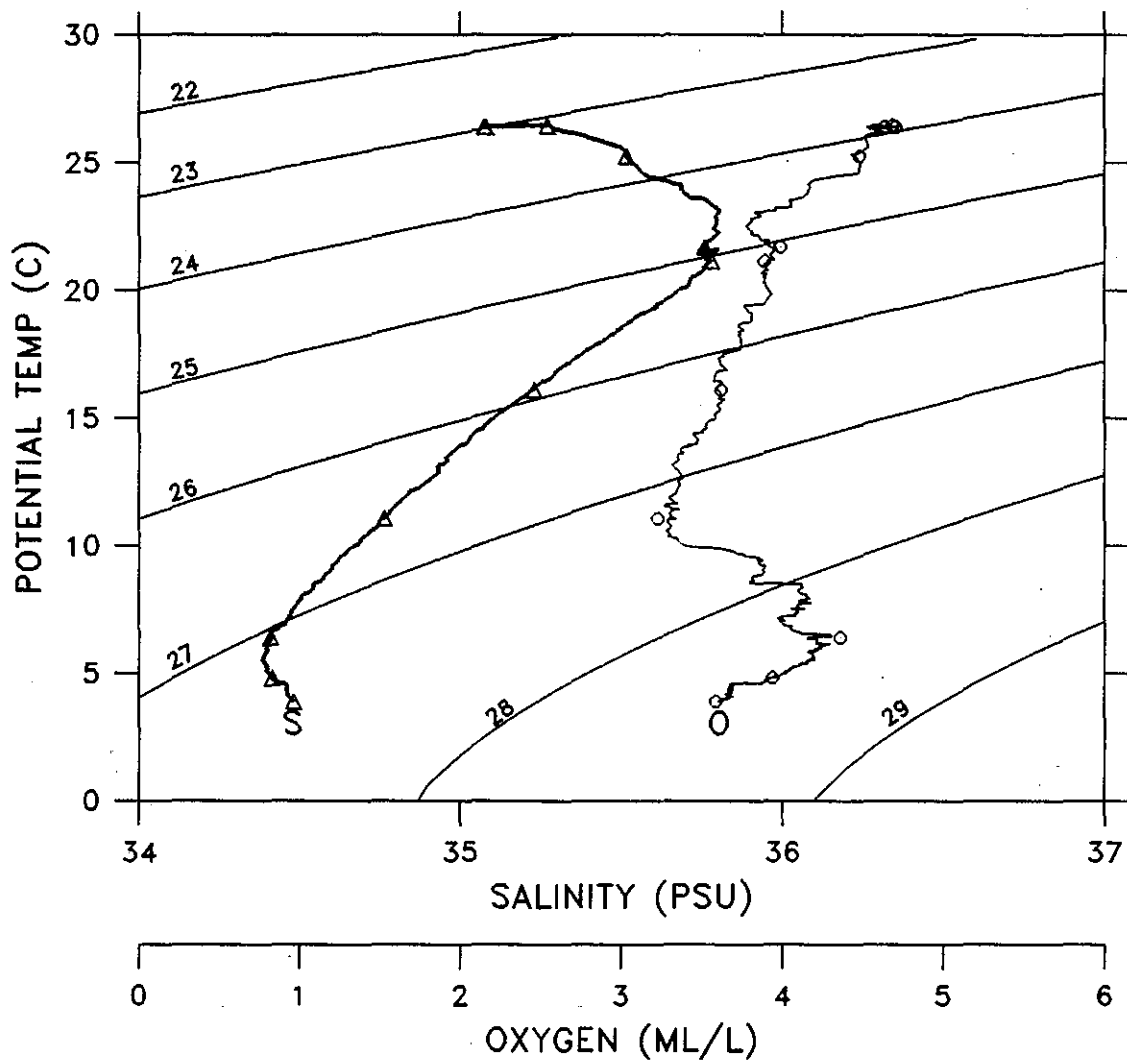




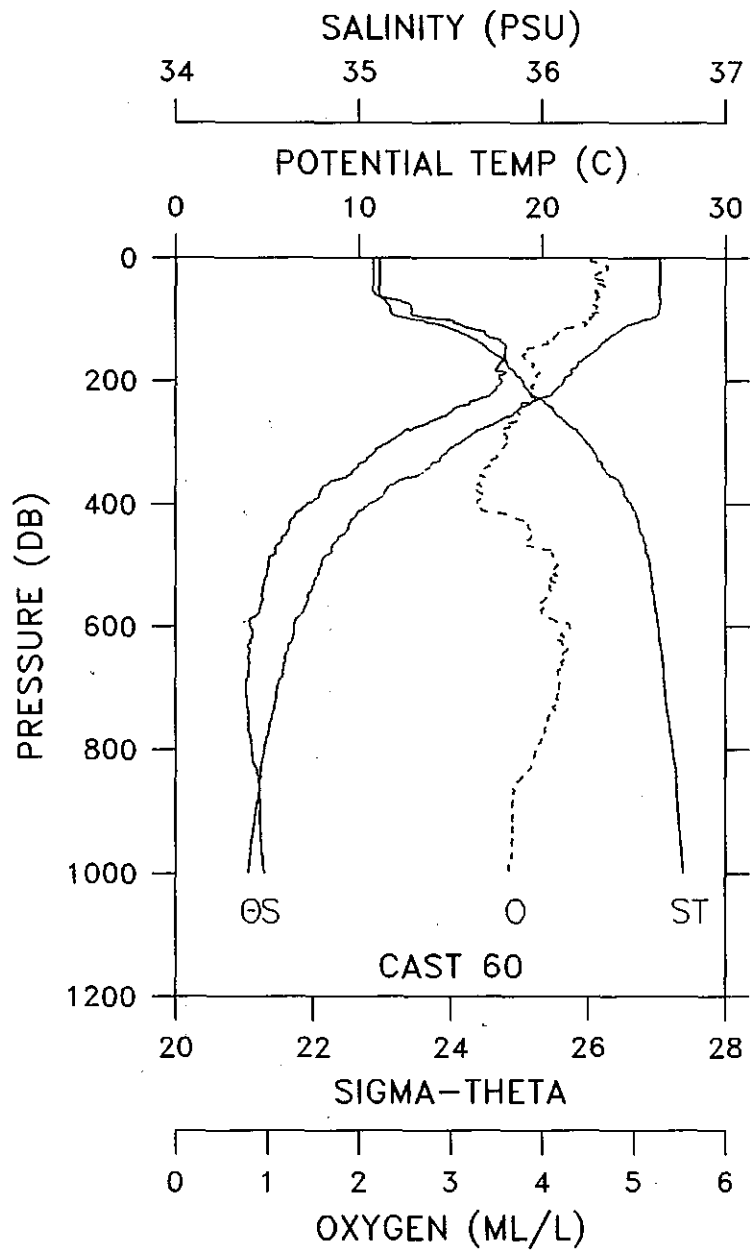
CAST TW2-87-0C-059 DATE 24 JUN 87 TIME 1408 GMT
 LAT 14 33.0S LONG 170 59.6E WEATHER 0 SEA STATE 3
 BAROMETER 14 WIND DIR 130 T SPD 16 KT VISIBILITY 8
 CLOUD X AMOUNT 1 DRY 24.5 WET 20.3 DEPTH 3045 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.473	35.231	4.64	23.061	0.000
10	26.470	35.231	4.76	23.062	0.048
20	26.473	35.233	4.73	23.063	0.096
30	26.473	35.233	4.71	23.063	0.144
40	26.472	35.232	4.54	23.062	0.192
50	26.471	35.233	4.60	23.063	0.240
60	26.471	35.232	4.67	23.063	0.289
70	26.468	35.233	4.68	23.064	0.337
80	26.469	35.232	4.61	23.063	0.385
90	26.446	35.252	4.56	23.085	0.433
100	26.151	35.780	4.53	23.577	0.480
110	25.235	35.761	4.43	23.846	0.522
120	24.294	35.655	4.37	24.051	0.562
130	23.954	35.742	4.16	24.218	0.600
140	23.678	35.824	4.12	24.362	0.637
150	23.301	35.868	3.99	24.506	0.673
160	23.094	35.892	3.93	24.584	0.707
170	22.637	35.873	3.88	24.702	0.741
180	22.458	35.894	3.83	24.769	0.774
190	22.106	35.904	3.79	24.877	0.806
200	21.552	35.828	3.81	24.974	0.837
250	19.005	35.602	4.05	25.481	0.978
300	15.844	35.198	3.62	25.936	1.095
350	13.211	34.926	3.36	26.293	1.194
400	11.247	34.779	3.18	26.558	1.279
450	9.404	34.634	3.41	26.766	1.351
500	7.935	34.522	3.71	26.908	1.416
550	6.861	34.446	4.04	27.002	1.474
600	6.215	34.410	4.15	27.059	1.529
650	5.740	34.407	4.06	27.117	1.582
700	5.302	34.395	4.06	27.161	1.632
750	4.909	34.403	4.00	27.212	1.680
800	4.455	34.429	3.86	27.284	1.725
900	4.038	34.451	3.73	27.346	1.809
1000	3.751	34.487	3.61	27.403	1.887
1500	2.724	34.585	3.31	27.579	2.223
2000	2.095	34.634	3.37	27.671	2.502
2500	1.723	34.658	3.35	27.719	2.751
3000	1.544	34.669	3.37	27.741	2.988
3022	1.543	34.669	3.38	27.741	2.998

CAST TW2-87-OC-060 DATE 24 JUN 87 TIME 1809 GMT
LAT 14 29.7S LONG 170 29.7E

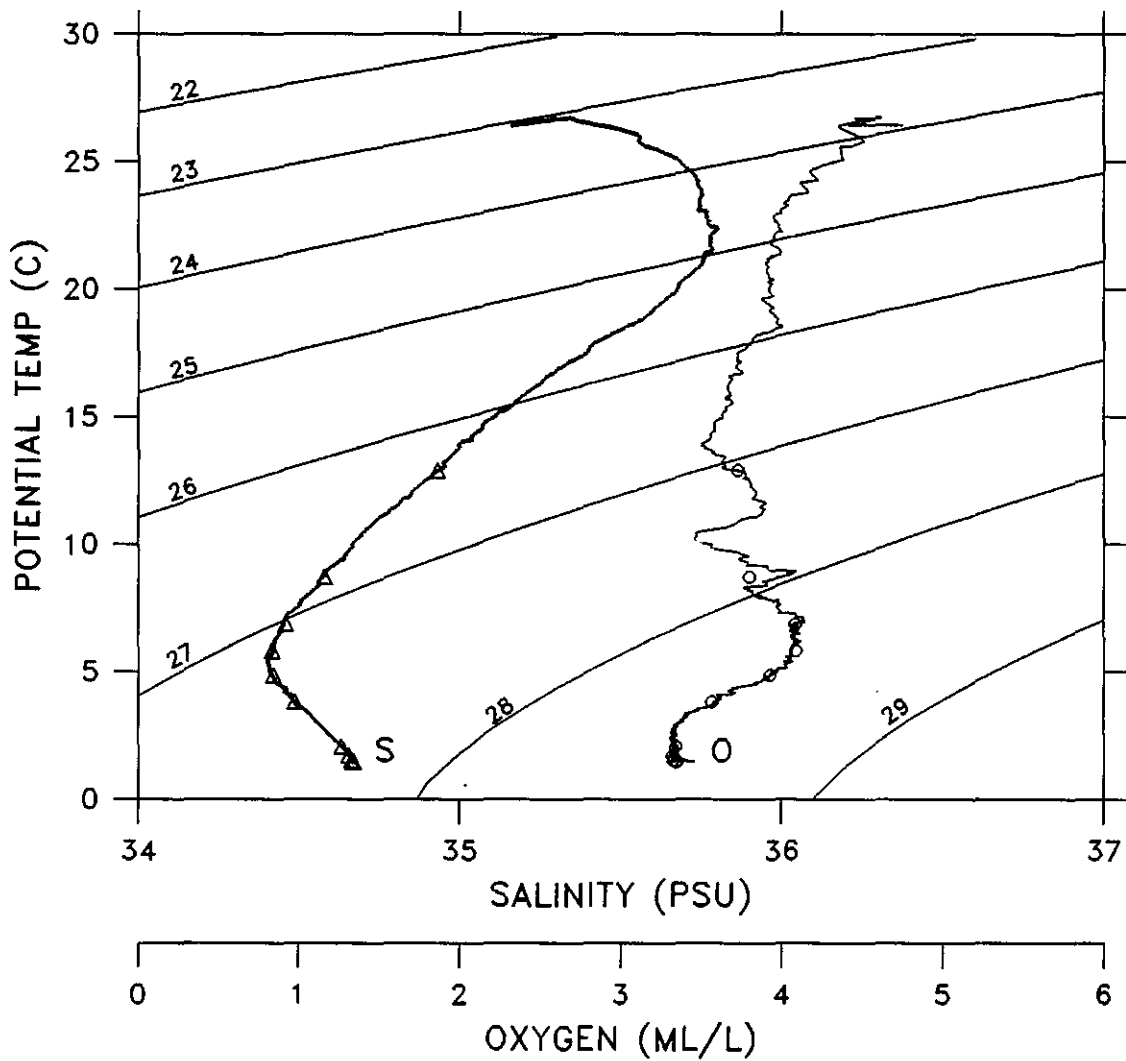


CAST TW2-87-OC-060 DATE 24 JUN 87 TIME 1809 GMT
 LAT 14 29.7S LONG 170 29.7E WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 130 T SPD 16 KT VISIBILITY 8
 CLOUD 6 AMOUNT 2 DRY 24.1 WET 21.2 DEPTH 3323 M

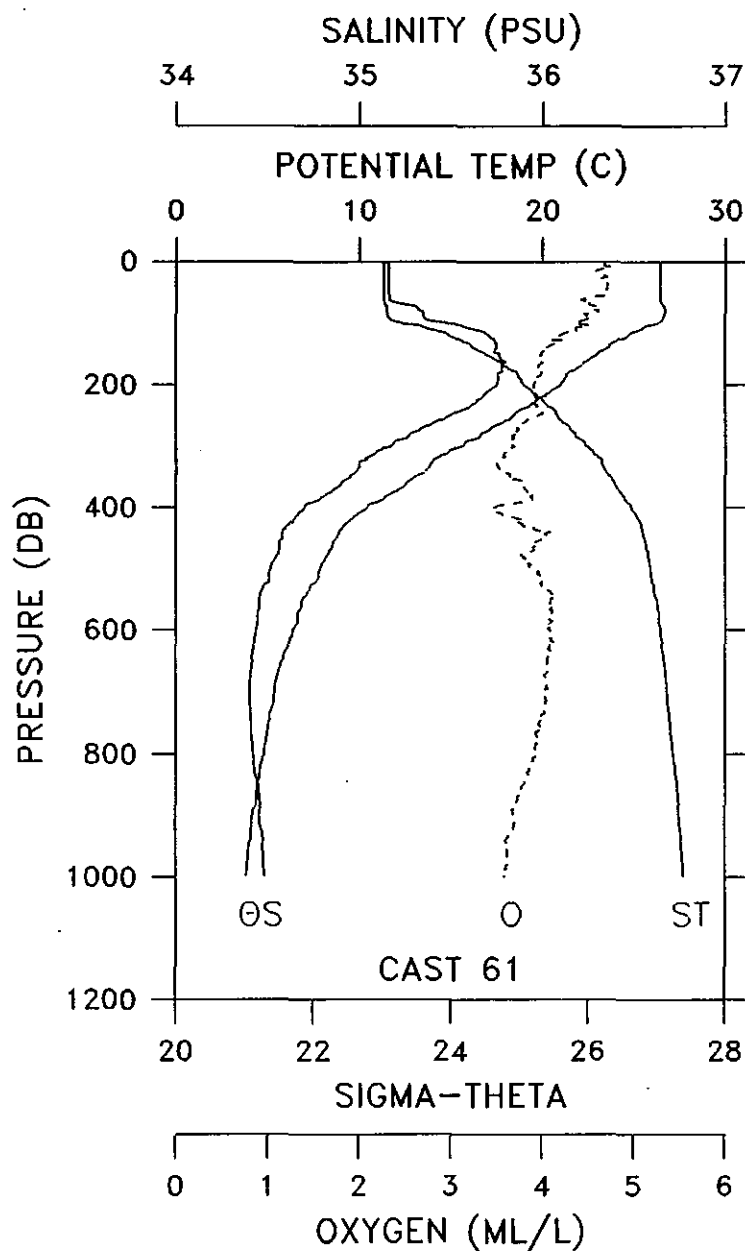


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.412	35.076	4.53	22.963	0.000
10	26.413	35.076	4.65	22.963	0.049
20	26.409	35.075	4.72	22.964	0.098
30	26.409	35.075	4.60	22.964	0.147
40	26.406	35.075	4.64	22.965	0.196
50	26.408	35.077	4.61	22.965	0.245
60	26.421	35.095	4.58	22.975	0.294
70	26.472	35.233	4.58	23.063	0.343
80	26.408	35.287	4.60	23.124	0.391
90	26.344	35.286	4.60	23.143	0.439
100	25.590	35.499	4.54	23.539	0.485
110	24.610	35.567	4.48	23.889	0.528
120	24.092	35.691	4.17	24.139	0.567
130	23.632	35.713	4.12	24.292	0.605
140	23.256	35.793	4.02	24.463	0.640
150	22.968	35.799	3.86	24.550	0.675
160	22.476	35.790	3.79	24.685	0.709
170	21.973	35.773	3.87	24.815	0.742
180	21.706	35.756	3.92	24.876	0.773
190	21.514	35.779	3.94	24.947	0.804
200	21.164	35.776	3.93	25.041	0.835
250	18.581	35.505	3.73	25.515	0.974
300	15.548	35.159	3.60	25.974	1.091
350	13.435	34.958	3.35	26.272	1.189
400	10.575	34.717	3.27	26.631	1.270
450	9.063	34.602	3.88	26.797	1.341
500	7.931	34.507	4.17	26.897	1.405
550	7.253	34.471	4.07	26.967	1.465
600	6.463	34.408	4.29	27.025	1.523
650	5.972	34.395	4.22	27.078	1.577
700	5.566	34.386	4.19	27.121	1.630
750	5.240	34.399	4.07	27.171	1.680
800	4.827	34.415	3.94	27.231	1.728
900	4.388	34.461	3.67	27.317	1.815
1000	3.917	34.482	3.63	27.383	1.897
1003	3.909	34.484	3.60	27.385	1.899

CAST TW2-87-OC-061 DATE 24 JUN 87 TIME 2222 GMT
LAT 14 30.4S LONG 169 59.9E

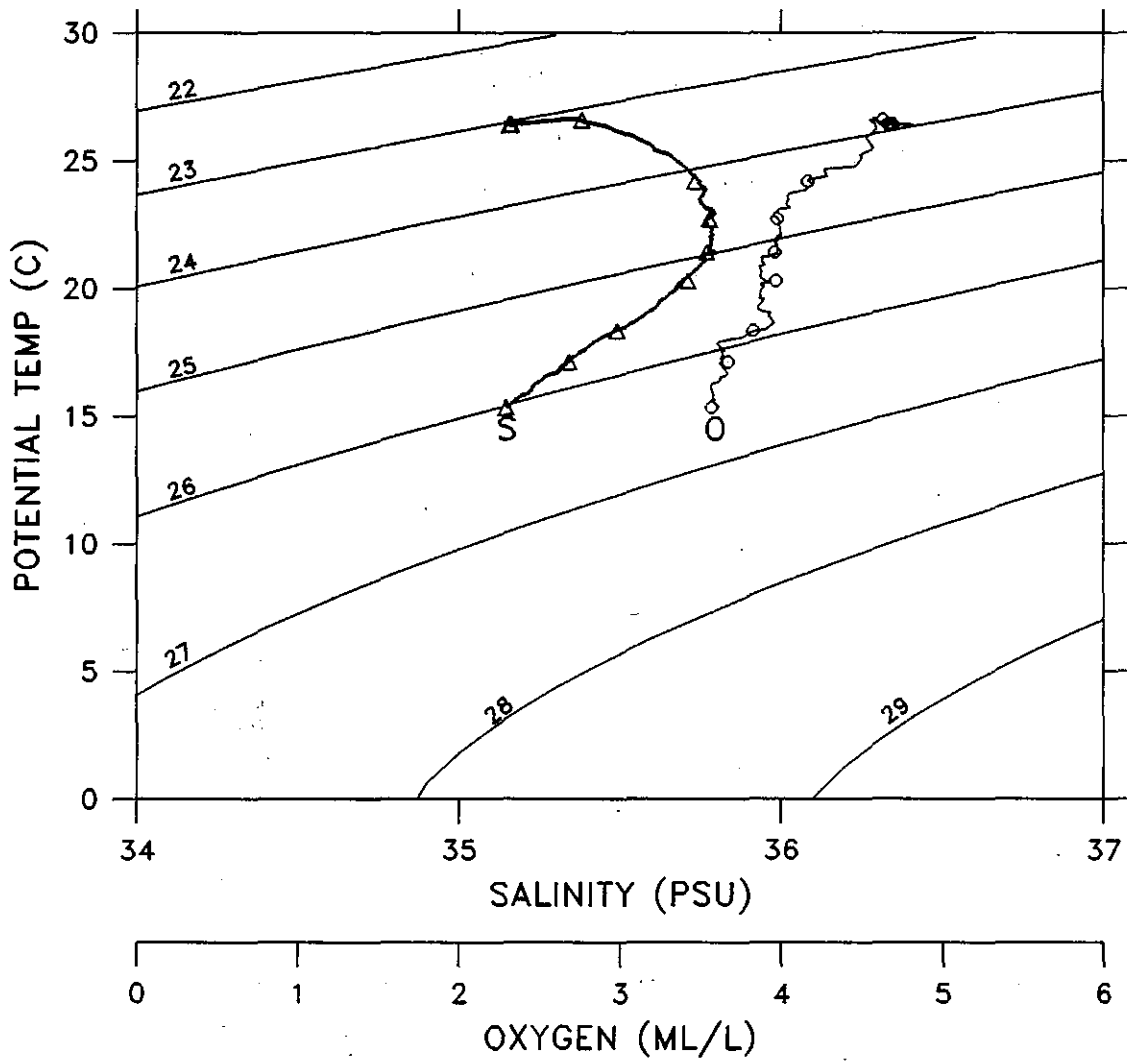


CAST TW2-87-OC-061 DATE 24 JUN 87 TIME 2222 GMT
 LAT 14 30.4S LONG 169 59.9E WEATHER 1 SEA STATE 6
 BAROMETER 14 WIND DIR 125 T SPD 16 KT VISIBILITY 9
 CLOUD 8 AMOUNT 3 DRY 25.5 WET 21.5 DEPTH 3723 M

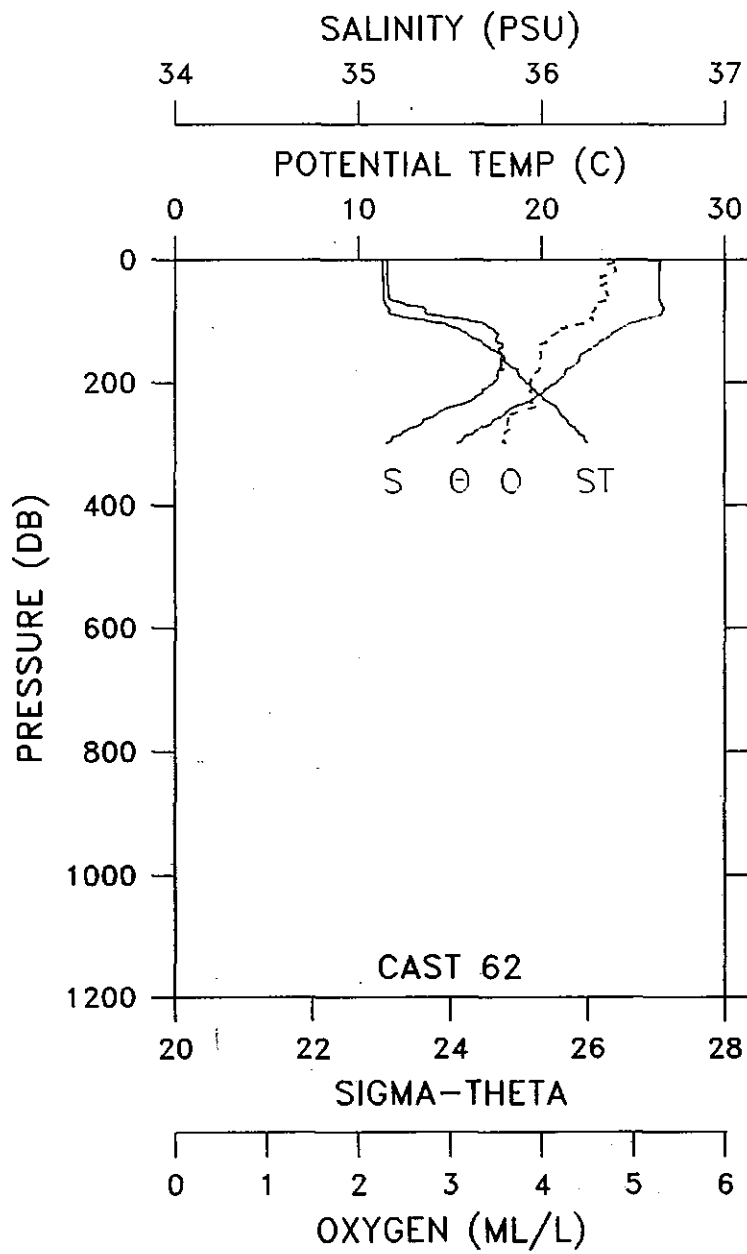


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.433	35.159	4.67	23.019	0.000
10	26.431	35.159	4.66	23.020	0.048
20	26.433	35.160	4.62	23.020	0.097
30	26.431	35.159	4.68	23.020	0.145
40	26.426	35.159	4.70	23.022	0.194
50	26.435	35.162	4.65	23.021	0.242
60	26.435	35.162	4.45	23.021	0.291
70	26.624	35.277	4.54	23.048	0.340
80	26.716	35.341	4.60	23.067	0.388
90	26.634	35.360	4.55	23.108	0.436
100	26.306	35.486	4.37	23.306	0.483
110	25.362	35.633	4.37	23.711	0.527
120	24.678	35.711	4.19	23.978	0.568
130	23.984	35.744	4.14	24.211	0.606
140	23.517	35.745	4.04	24.350	0.643
150	23.041	35.768	3.99	24.506	0.679
160	22.475	35.776	3.98	24.674	0.713
170	22.083	35.779	3.96	24.788	0.745
180	21.426	35.764	3.99	24.960	0.777
190	21.224	35.758	3.93	25.011	0.807
200	21.018	35.752	3.89	25.063	0.837
250	18.385	35.496	3.94	25.558	0.973
300	15.498	35.167	3.70	25.991	1.089
350	13.086	34.953	3.65	26.340	1.185
400	10.461	34.703	3.47	26.641	1.267
450	8.786	34.583	4.03	26.826	1.336
500	7.886	34.518	3.90	26.912	1.399
550	6.913	34.454	4.08	27.001	1.458
600	6.398	34.437	4.08	27.057	1.514
650	5.829	34.421	4.06	27.117	1.567
700	5.403	34.404	4.01	27.156	1.617
750	5.058	34.410	3.97	27.201	1.666
800	4.806	34.421	3.90	27.239	1.712
900	4.188	34.457	3.69	27.335	1.799
1000	3.823	34.488	3.59	27.397	1.878
1500	2.686	34.586	3.33	27.583	2.213
2000	2.063	34.636	3.34	27.675	2.489
2500	1.727	34.658	3.32	27.719	2.736
3000	1.558	34.668	3.36	27.740	2.975
3500	1.485	34.672	3.42	27.748	3.215
3679	1.473	34.673	3.43	27.749	3.302

CAST TW2-87-0C-062 DATE 25 JUN 87 TIME 0036 GMT
LAT 14 30.3S LONG 169 59.7E



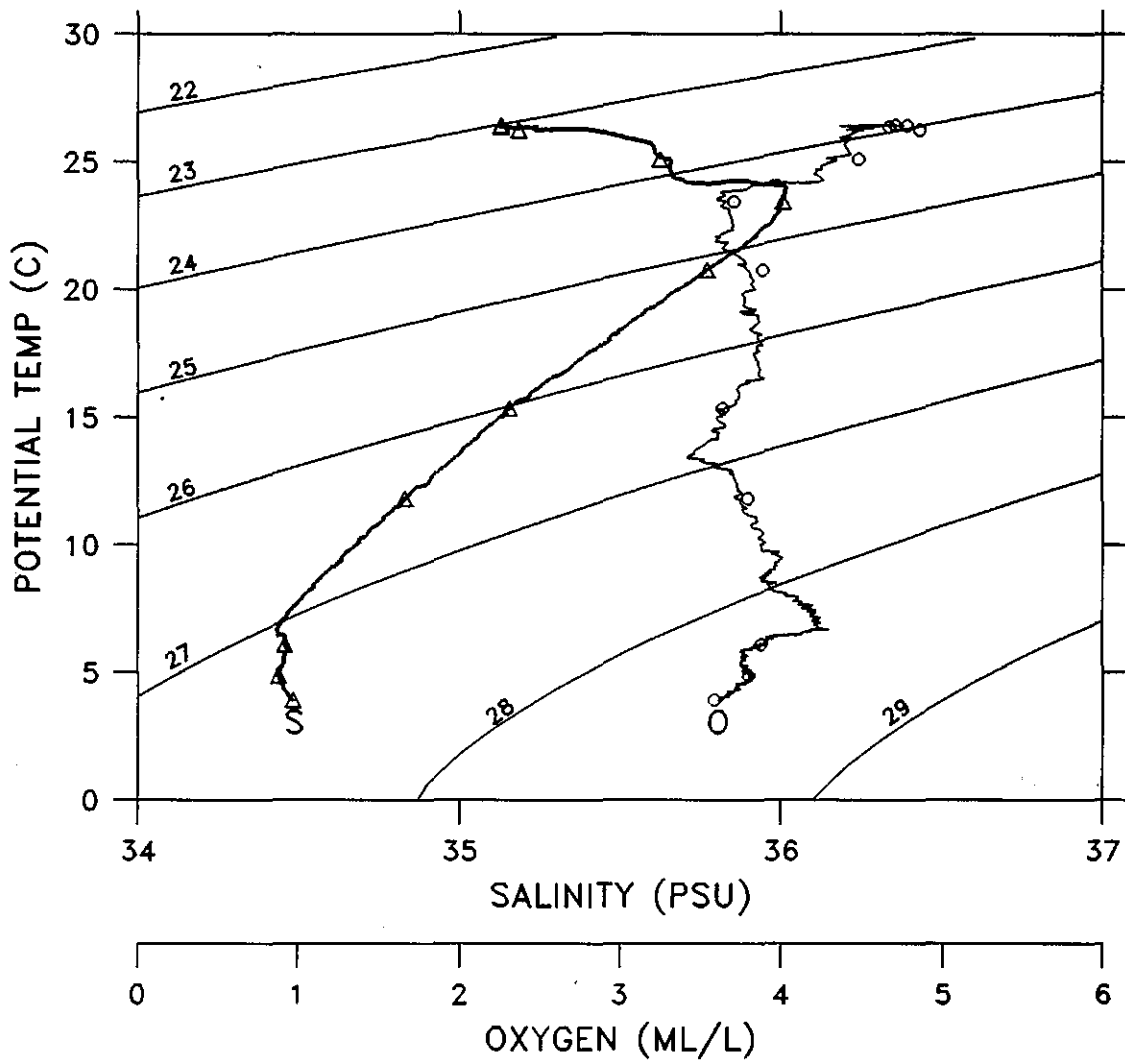
155



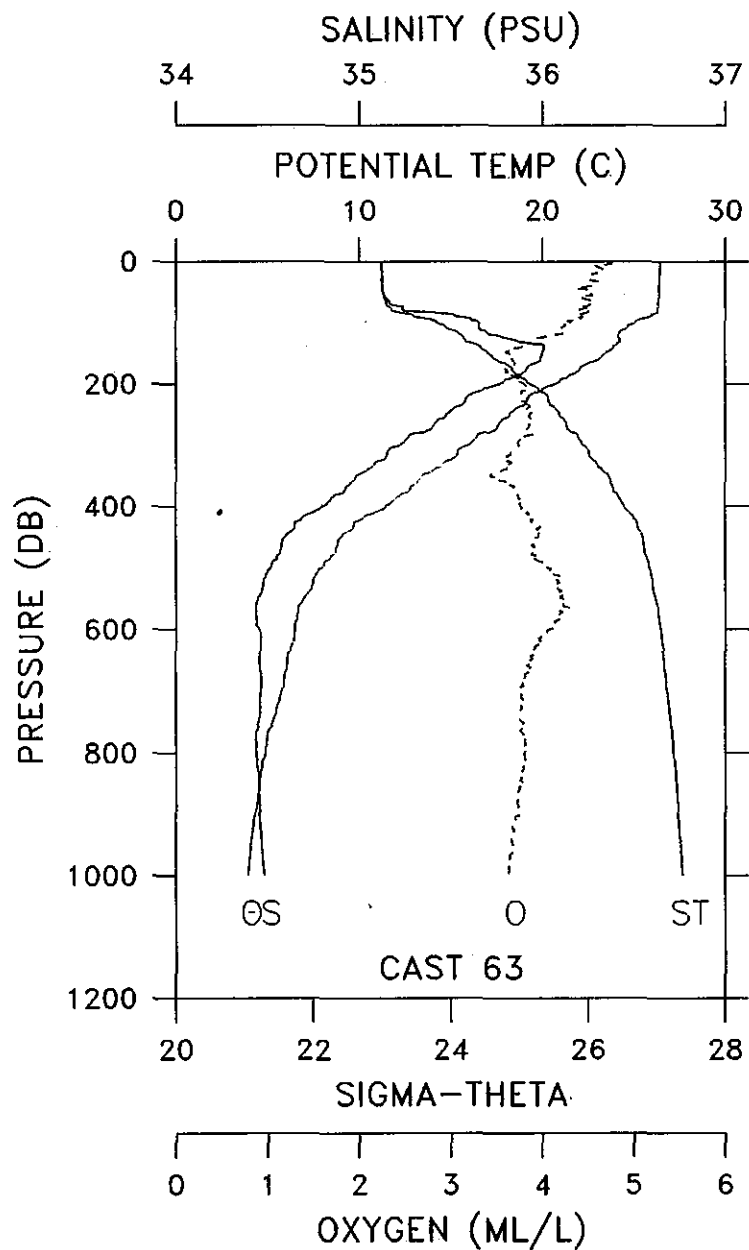
CAST TW2-87-OC-062 DATE 25 JUN 87 TIME 0036 GMT
 LAT 14 30.3S LONG 169 59.7E WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 125 T SPD 14 KT VISIBILITY 8
 CLOUD 2 AMOUNT 2 DRY 26.0 WET 22.0 DEPTH 3723 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.438	35.156	4.79	23.016	0.000
10	26.433	35.156	4.73	23.017	0.048
20	26.414	35.156	4.80	23.023	0.097
30	26.409	35.156	4.65	23.025	0.145
40	26.405	35.158	4.68	23.027	0.194
50	26.410	35.163	4.64	23.030	0.242
60	26.410	35.163	4.72	23.030	0.291
70	26.522	35.240	4.60	23.053	0.339
80	26.636	35.361	4.59	23.108	0.387
90	26.445	35.419	4.57	23.212	0.435
100	25.350	35.624	4.53	23.708	0.480
110	24.506	35.720	4.28	24.037	0.520
120	23.903	35.766	4.16	24.252	0.558
130	23.431	35.750	4.04	24.379	0.595
140	22.977	35.791	3.97	24.542	0.630
150	22.425	35.777	3.99	24.690	0.664
160	22.075	35.780	3.99	24.791	0.696
170	21.872	35.780	3.97	24.848	0.728
180	21.349	35.763	3.97	24.980	0.759
190	21.200	35.758	3.88	25.018	0.790
200	20.822	35.741	3.86	25.108	0.819
250	18.012	35.430	3.68	25.600	0.954
299	15.363	35.148	3.59	26.007	1.065

CAST TW2-87-OC-063 DATE 25 JUN 87 TIME 0441 GMT
LAT 14 30.4S LONG 169 29.8E



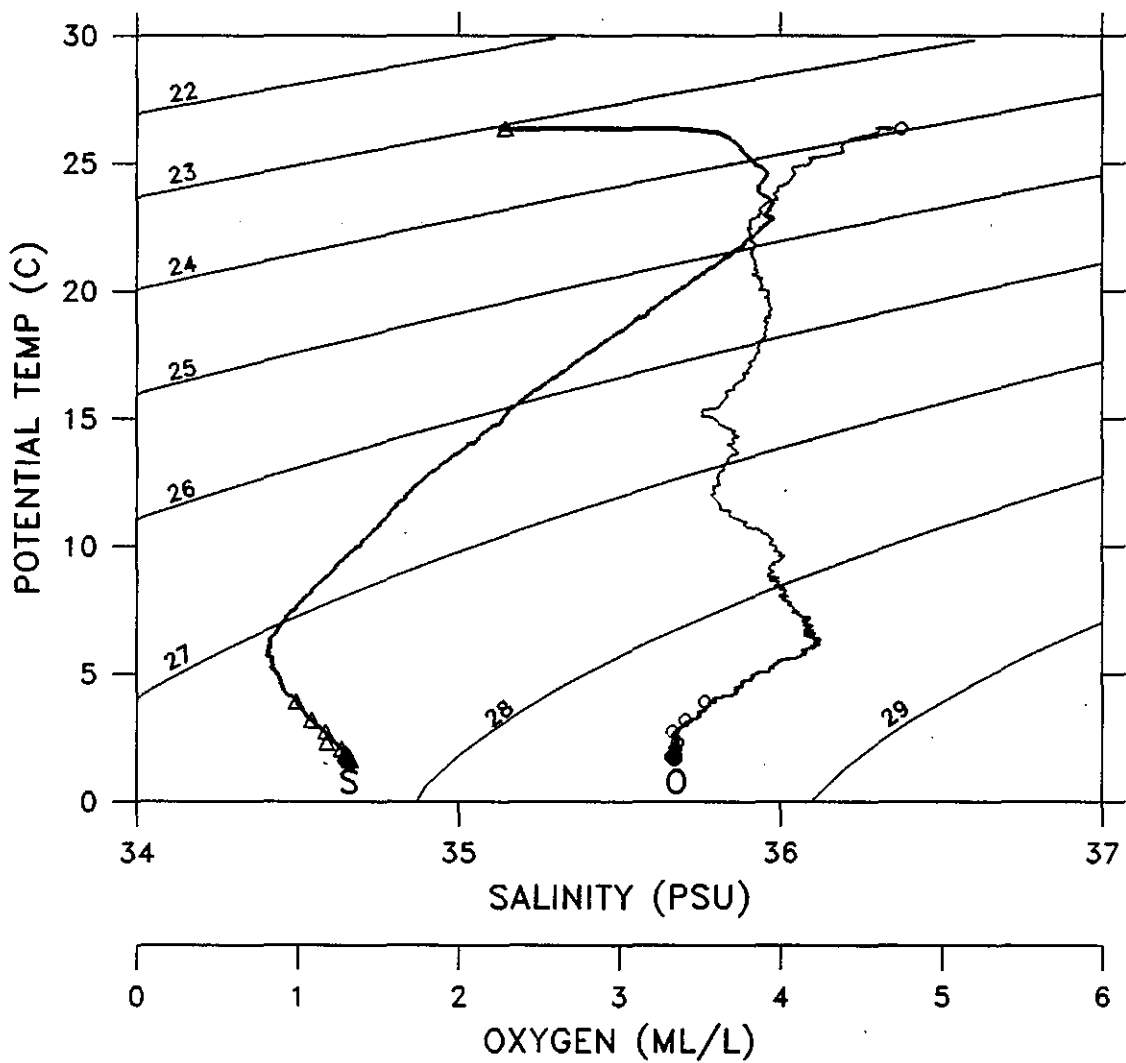
157

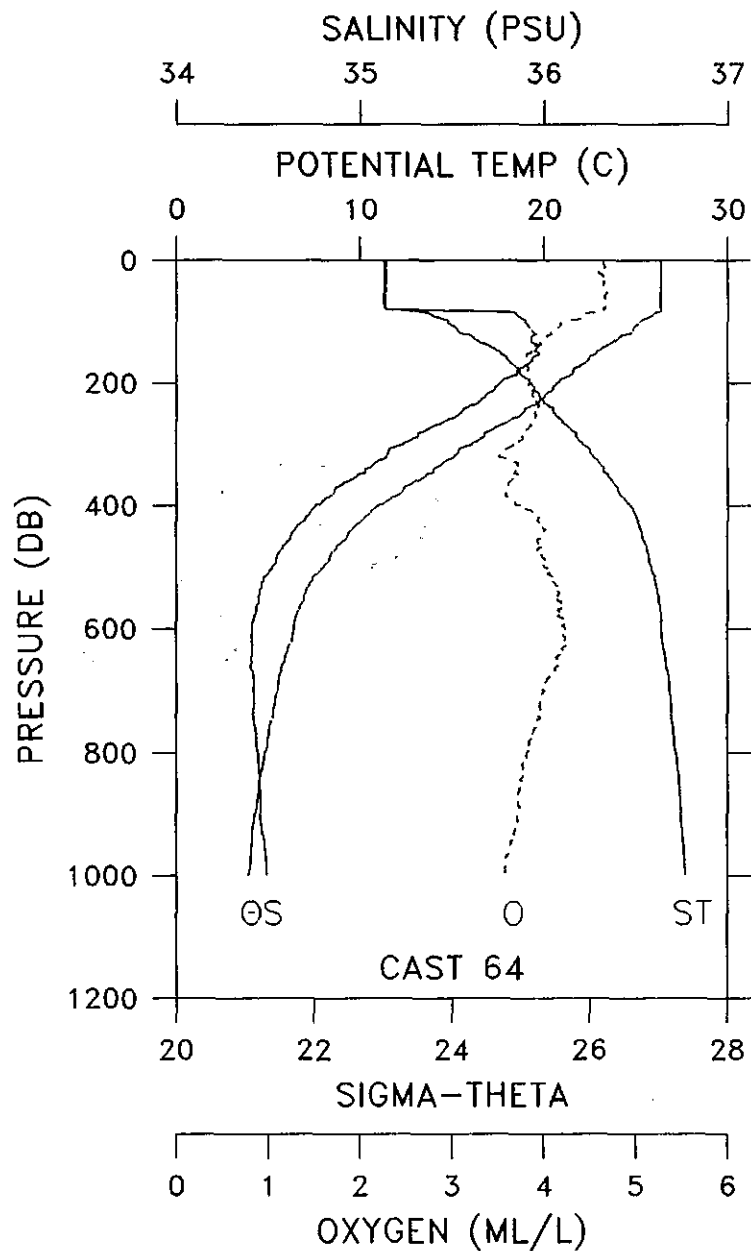


CAST TW2-87-OC-063 DATE 25 JUN 87 TIME 0441 GMT
 LAT 14 30.4S LONG 169 29.8E WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 105 T SPD 13 KT VISIBILITY 9
 CLOUD 8 AMOUNT 2 DRY 27.0 WET 21.5 DEPTH 3346 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.435	35.125	4.76	22.994	0.000
10	26.433	35.127	4.64	22.995	0.049
20	26.417	35.124	4.53	22.998	0.097
30	26.399	35.123	4.53	23.003	0.146
40	26.391	35.123	4.54	23.006	0.195
50	26.377	35.131	4.52	23.016	0.243
60	26.359	35.148	4.43	23.035	0.292
70	26.331	35.176	4.51	23.064	0.340
80	26.245	35.236	4.48	23.137	0.388
90	25.922	35.529	4.44	23.459	0.434
100	25.096	35.661	4.33	23.814	0.476
110	24.578	35.663	4.22	23.972	0.517
120	24.164	35.763	4.08	24.172	0.555
130	24.265	35.867	3.98	24.221	0.593
140	23.899	36.011	3.76	24.438	0.629
150	23.483	36.000	3.65	24.553	0.664
160	23.075	35.991	3.68	24.666	0.698
170	22.299	35.931	3.68	24.842	0.731
180	21.875	35.899	3.60	24.938	0.762
190	21.210	35.821	3.76	25.063	0.792
200	20.694	35.764	3.81	25.160	0.821
250	18.213	35.475	3.86	25.584	0.954
300	15.957	35.218	3.74	25.926	1.070
350	13.430	34.984	3.42	26.294	1.170
400	11.488	34.799	3.76	26.530	1.256
450	9.019	34.596	3.95	26.799	1.328
500	7.999	34.516	4.07	26.894	1.393
550	7.007	34.446	4.20	26.982	1.453
600	6.475	34.454	4.07	27.060	1.508
650	6.085	34.458	3.86	27.114	1.561
700	5.759	34.463	3.78	27.159	1.612
750	5.271	34.450	3.80	27.208	1.660
800	4.868	34.438	3.80	27.245	1.707
900	4.343	34.456	3.74	27.318	1.794
1000	3.922	34.483	3.63	27.383	1.874
1005	3.908	34.486	3.61	27.387	1.878

CAST TW2-87-OC-064 DATE 25 JUN 87 TIME 0841 GMT
LAT 14 30.2S LONG 169 00.1E

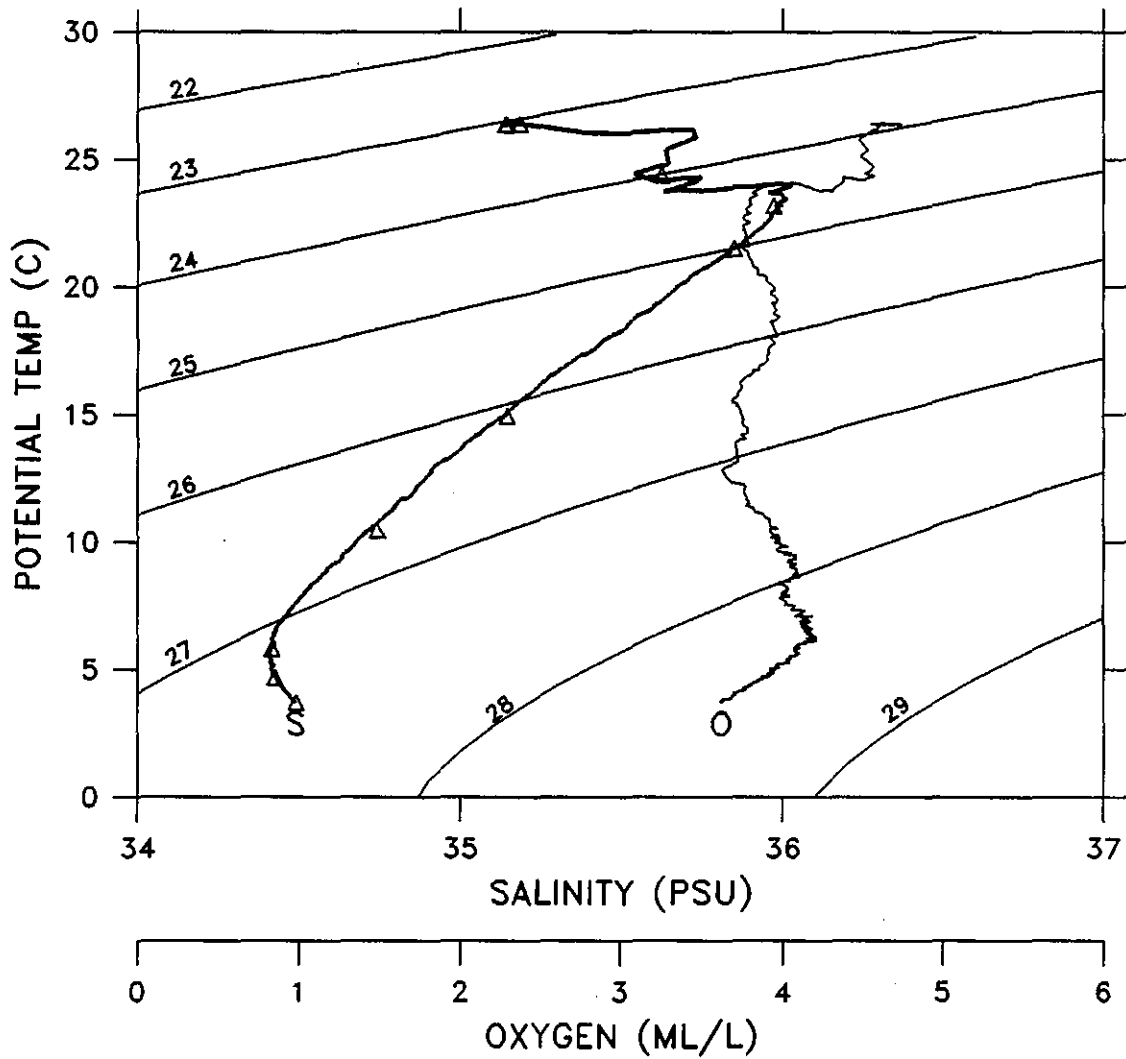


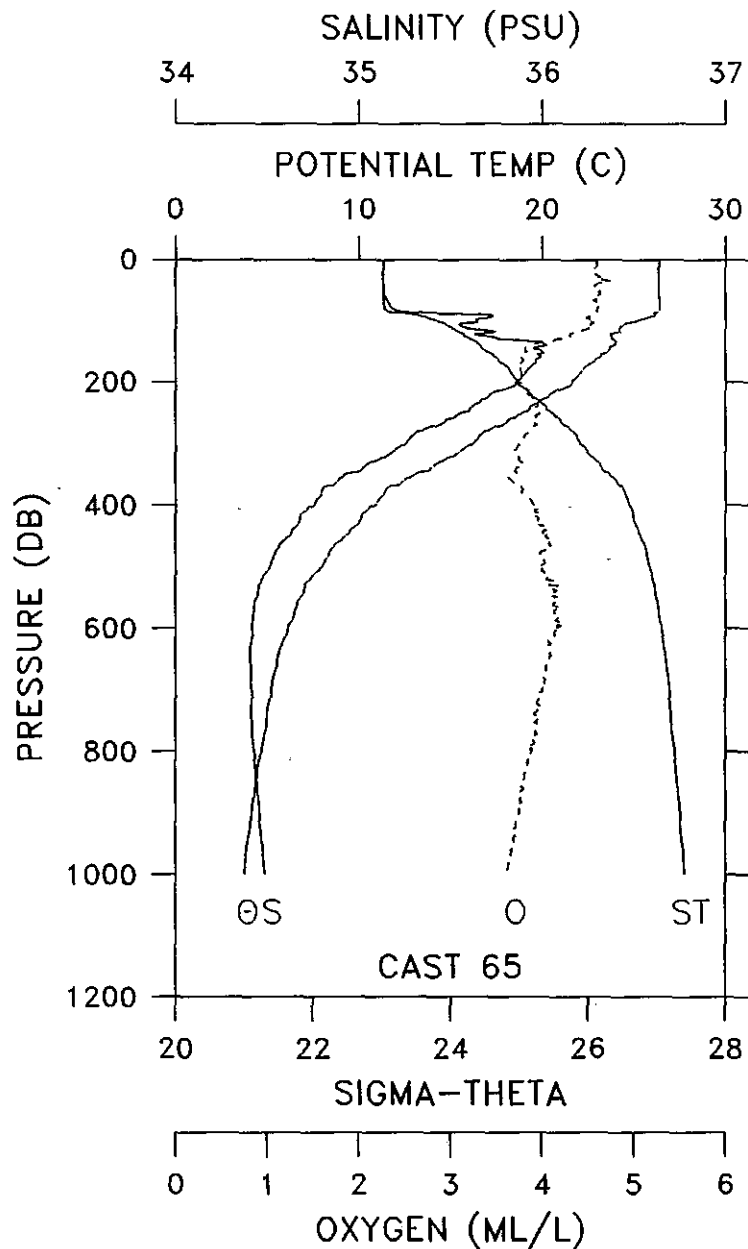


CAST TW2-87-OC-064 DATE 25 JUN 87 TIME 0841 GMT
 LAT 14 30.2S LONG 169 00.1E WEATHER 0 SEA STATE 2
 BAROMETER 11 WIND DIR 103 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 1 DRY 24.8 WET 20.2 DEPTH 2735 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.384	35.143	4.65	23.023	0.000
10	26.380	35.141	4.66	23.023	0.048
20	26.391	35.142	4.59	23.020	0.097
30	26.383	35.142	4.68	23.023	0.145
40	26.377	35.139	4.64	23.022	0.194
50	26.384	35.141	4.67	23.021	0.242
60	26.338	35.126	4.66	23.025	0.291
70	26.334	35.127	4.68	23.027	0.339
80	26.341	35.155	4.67	23.046	0.388
90	25.866	35.857	4.41	23.724	0.432
100	25.249	35.901	4.24	23.948	0.473
110	24.917	35.929	4.14	24.071	0.512
120	24.425	35.952	4.07	24.237	0.551
130	23.926	35.932	3.99	24.371	0.587
140	23.400	35.971	3.90	24.556	0.622
150	22.894	35.969	3.86	24.701	0.656
160	22.468	35.937	3.79	24.799	0.688
170	22.057	35.899	3.82	24.887	0.720
180	21.603	35.856	3.82	24.981	0.751
190	21.196	35.817	3.84	25.063	0.781
200	20.711	35.760	3.84	25.153	0.810
250	18.763	35.538	3.90	25.494	0.947
300	16.071	35.232	3.66	25.911	1.065
350	13.600	34.984	3.72	26.259	1.165
400	10.930	34.754	3.79	26.597	1.250
450	9.310	34.624	3.95	26.774	1.322
500	8.041	34.522	4.02	26.893	1.387
550	6.926	34.446	4.19	26.993	1.446
600	6.369	34.414	4.24	27.042	1.502
650	5.875	34.406	4.16	27.099	1.556
700	5.499	34.419	4.01	27.156	1.606
750	5.173	34.427	3.94	27.201	1.655
800	4.815	34.446	3.81	27.257	1.701
900	4.278	34.459	3.71	27.327	1.787
1000	3.910	34.493	3.60	27.392	1.867
1500	2.730	34.583	3.35	27.576	2.208
2000	2.065	34.636	3.34	27.675	2.484
2500	1.717	34.658	3.35	27.720	2.732
2667	1.643	34.662	3.36	27.729	2.811

CAST TW2-87-0C-065 DATE 25 JUN 87 TIME 1320 GMT
LAT 14 29.9S LONG 168 30.0E

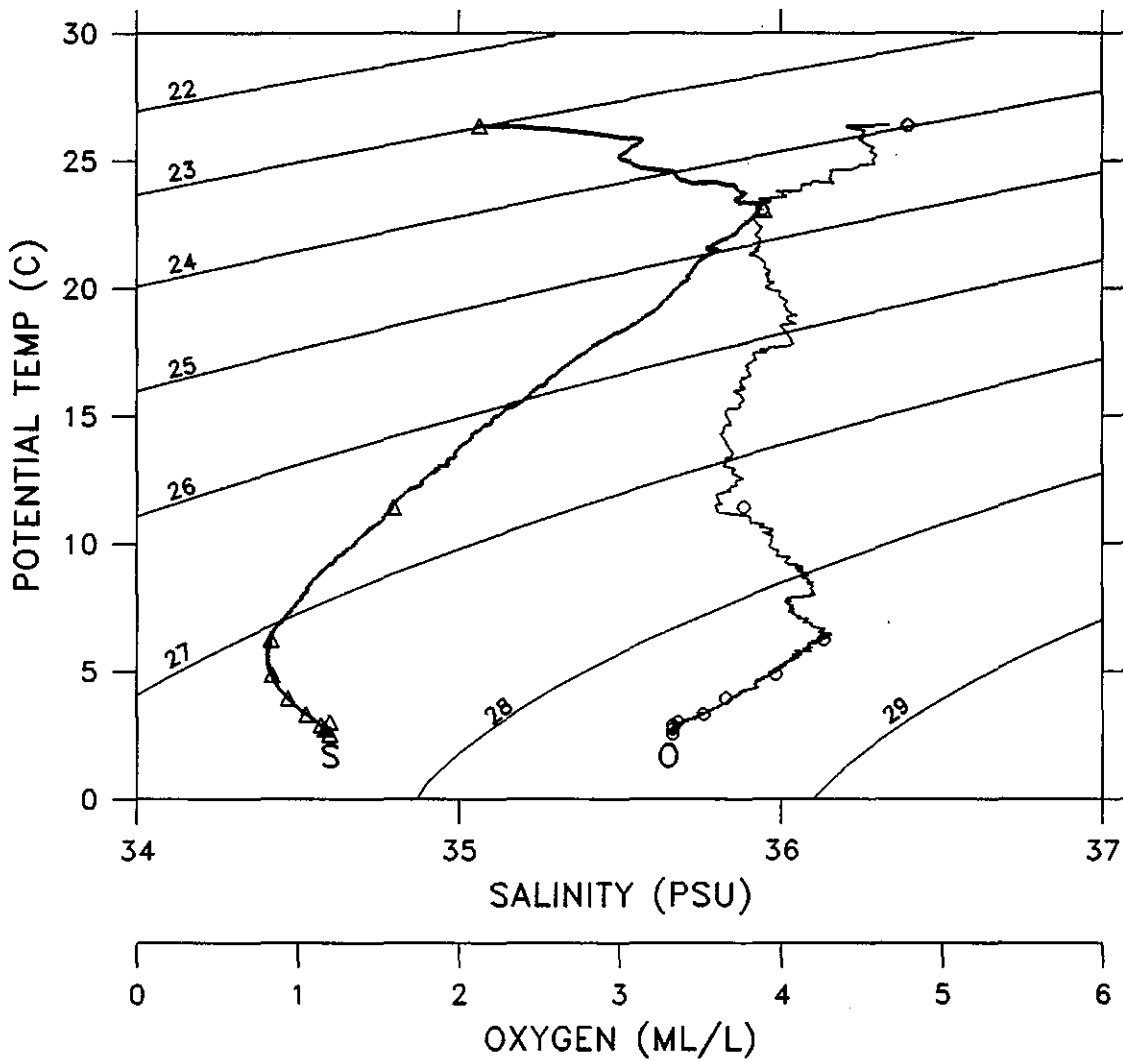




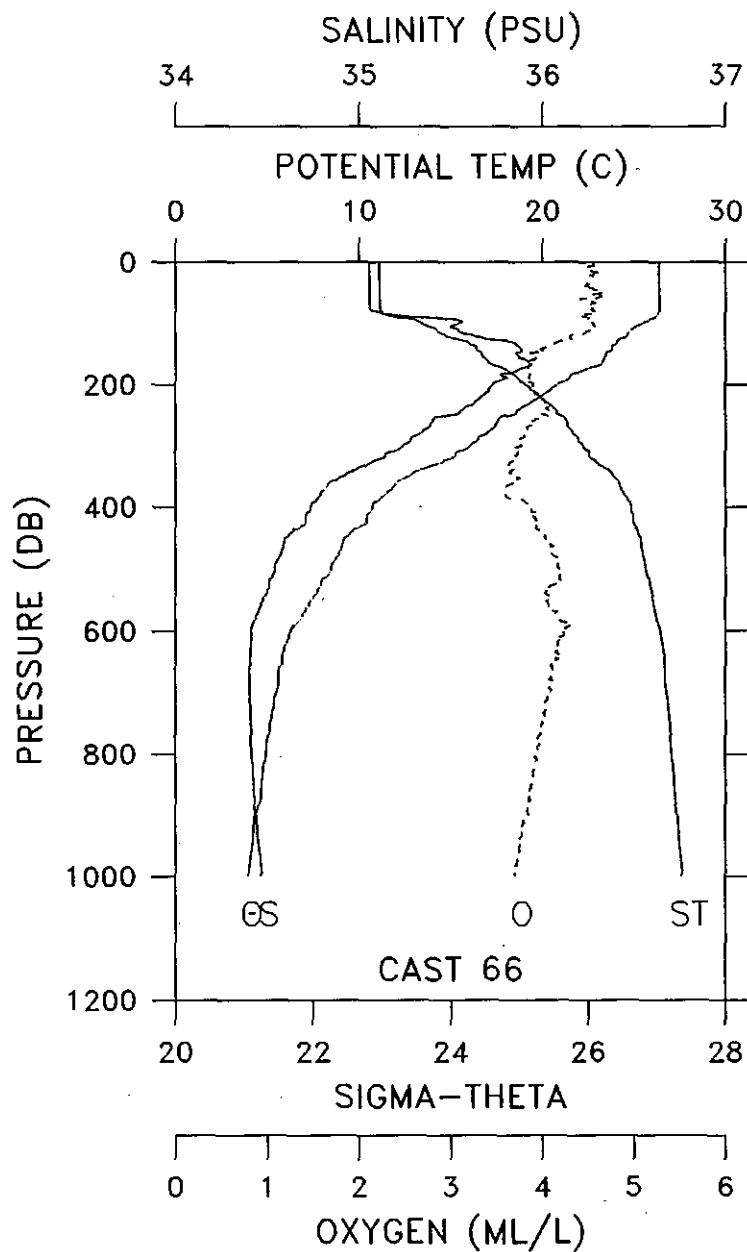
CAST TW2-87-OC-065 DATE 25 JUN 87 TIME 1320 GMT
 LAT 14 29.9S LONG 168 30.0E WEATHER 0 SEA STATE 2
 BAROMETER 13 WIND DIR 100 T SPD 08 KT VISIBILITY 8
 CLOUD X AMOUNT 1 DRY 25.0 WET 21.0 DEPTH 2726 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.363	35.134	4.60	23.023	0.000
10	26.360	35.135	4.59	23.024	0.048
20	26.366	35.134	4.57	23.022	0.097
30	26.370	35.134	4.60	23.021	0.145
40	26.374	35.135	4.61	23.020	0.194
50	26.374	35.136	4.63	23.021	0.242
60	26.387	35.146	4.57	23.024	0.291
70	26.404	35.162	4.62	23.031	0.339
80	26.407	35.181	4.61	23.045	0.388
90	26.185	35.711	4.58	23.514	0.435
100	25.081	35.643	4.49	23.804	0.478
110	24.265	35.579	4.53	24.003	0.518
120	23.788	35.650	4.31	24.198	0.557
130	23.853	35.809	4.19	24.299	0.594
140	23.964	36.025	3.89	24.430	0.630
150	23.595	35.995	3.84	24.516	0.665
160	23.089	35.984	3.78	24.656	0.699
170	22.591	35.956	3.77	24.778	0.732
180	22.223	35.921	3.76	24.856	0.764
190	21.923	35.890	3.77	24.917	0.795
200	21.609	35.856	3.79	24.979	0.826
250	18.897	35.555	3.96	25.473	0.967
300	16.235	35.254	3.73	25.890	1.086
350	13.097	34.932	3.71	26.321	1.186
400	10.900	34.754	3.92	26.603	1.267
450	9.303	34.626	4.03	26.776	1.339
500	7.975	34.513	4.00	26.895	1.404
550	6.873	34.443	4.17	26.998	1.463
600	6.136	34.415	4.15	27.073	1.518
650	5.557	34.409	4.08	27.140	1.569
700	5.218	34.413	3.99	27.185	1.618
750	4.993	34.417	3.94	27.214	1.666
800	4.678	34.428	3.88	27.258	1.712
900	4.148	34.457	3.75	27.339	1.797
1000	3.748	34.487	3.62	27.404	1.875
1005	3.738	34.489	3.62	27.406	1.879

CAST TW2-87-OC-066 DATE 25 JUN 87 TIME 1605 GMT
LAT 14 32.0S LONG 168 00.3E

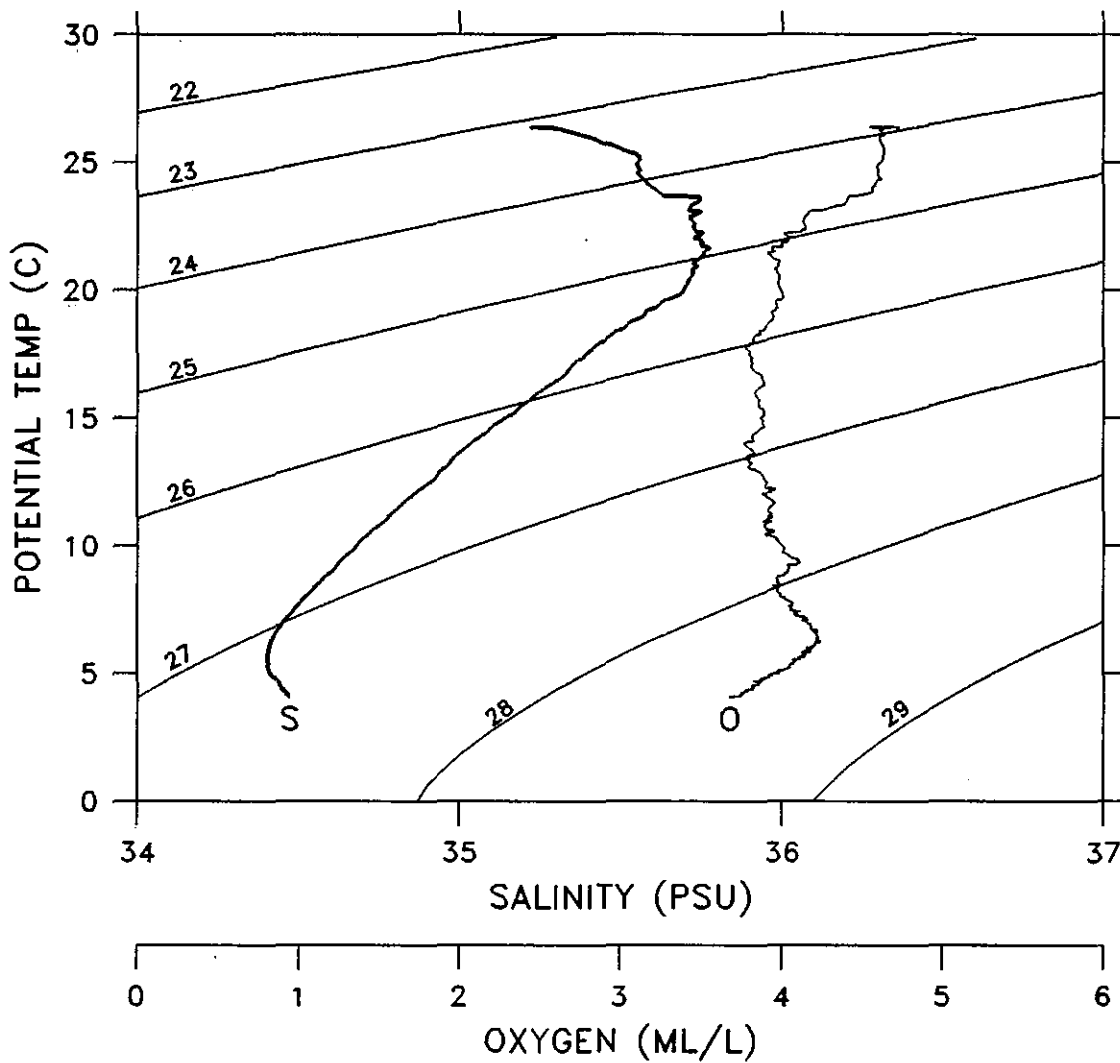


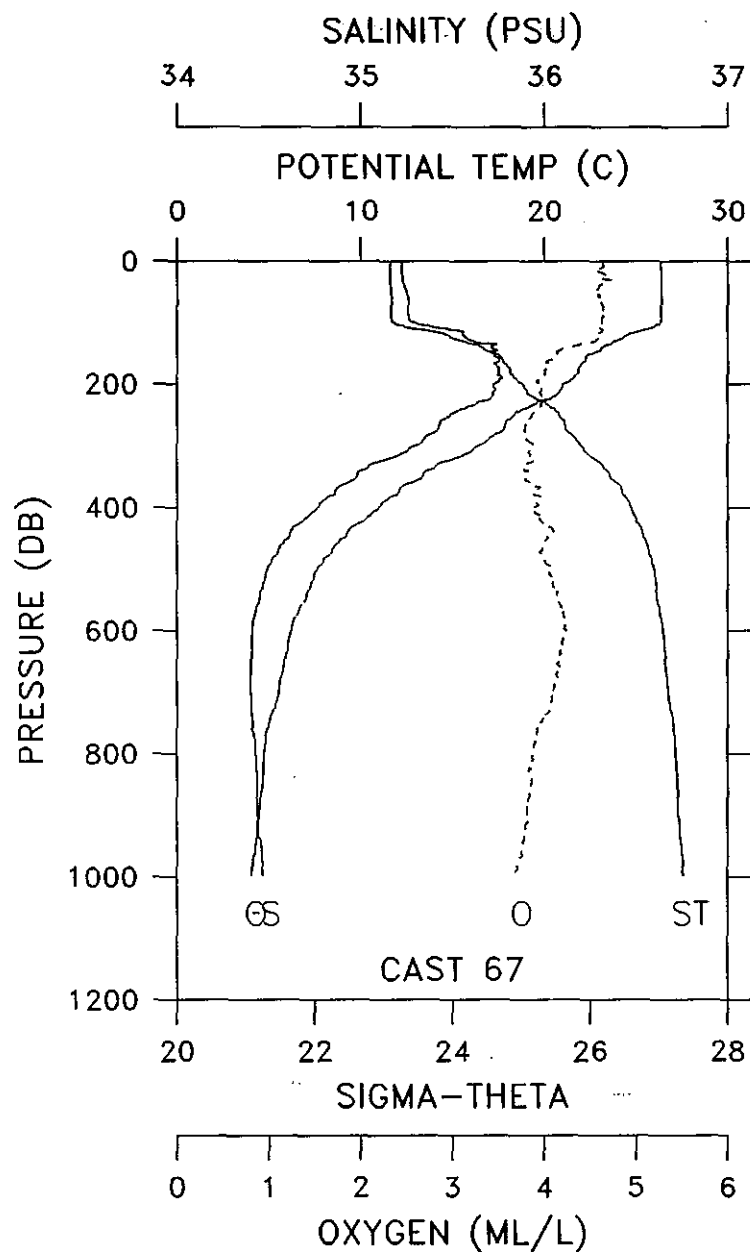
CAST TW2-87-OC-066 DATE 25 JUN 87 TIME 1605 GMT
 LAT 14 32.0S LONG 168 00.3E WEATHER 0 SEA STATE 2
 BAROMETER 12 WIND DIR 100 T SPD 08 KT VISIBILITY 8
 CLOUD X AMOUNT 1 DRY 24.0 WET 21.0 DEPTH 1750 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.363	35.057	4.57	22.965	0.000
10	26.368	35.057	4.53	22.963	0.049
20	26.367	35.057	4.58	22.963	0.098
30	26.363	35.057	4.54	22.965	0.147
40	26.366	35.057	4.43	22.964	0.196
50	26.366	35.056	4.67	22.963	0.245
60	26.366	35.056	4.40	22.963	0.294
70	26.365	35.056	4.54	22.963	0.343
80	26.363	35.091	4.53	22.990	0.393
90	26.203	35.323	4.51	23.216	0.441
100	25.521	35.537	4.57	23.589	0.485
110	24.867	35.543	4.58	23.794	0.528
120	24.622	35.629	4.32	23.933	0.569
130	24.054	35.832	4.19	24.258	0.608
140	23.786	35.881	4.02	24.374	0.644
150	23.460	35.857	3.90	24.452	0.680
160	23.324	35.915	3.84	24.535	0.715
170	22.883	35.919	3.86	24.666	0.749
180	21.951	35.827	3.86	24.861	0.781
190	21.426	35.795	3.85	24.983	0.812
200	20.845	35.732	3.90	25.095	0.842
250	18.220	35.487	4.04	25.592	0.977
300	16.033	35.239	3.76	25.925	1.093
350	12.796	34.918	3.70	26.370	1.192
400	10.714	34.736	3.86	26.622	1.272
450	9.211	34.601	4.04	26.772	1.344
500	8.473	34.540	4.19	26.841	1.411
550	7.430	34.478	4.07	26.947	1.473
600	6.297	34.412	4.25	27.050	1.530
650	5.782	34.404	4.08	27.109	1.583
700	5.481	34.405	4.06	27.147	1.634
750	5.136	34.409	4.01	27.191	1.683
800	4.938	34.414	3.92	27.218	1.730
900	4.332	34.441	3.84	27.307	1.820
1000	3.952	34.468	3.69	27.368	1.903
1500	2.895	34.568	3.36	27.550	2.249
1718	2.545	34.598	3.30	27.605	2.382

CAST TW2-87-OC-067 DATE 25 JUN 87 TIME 2029 GMT
LAT 14 30.3S LONG 167 21.1E

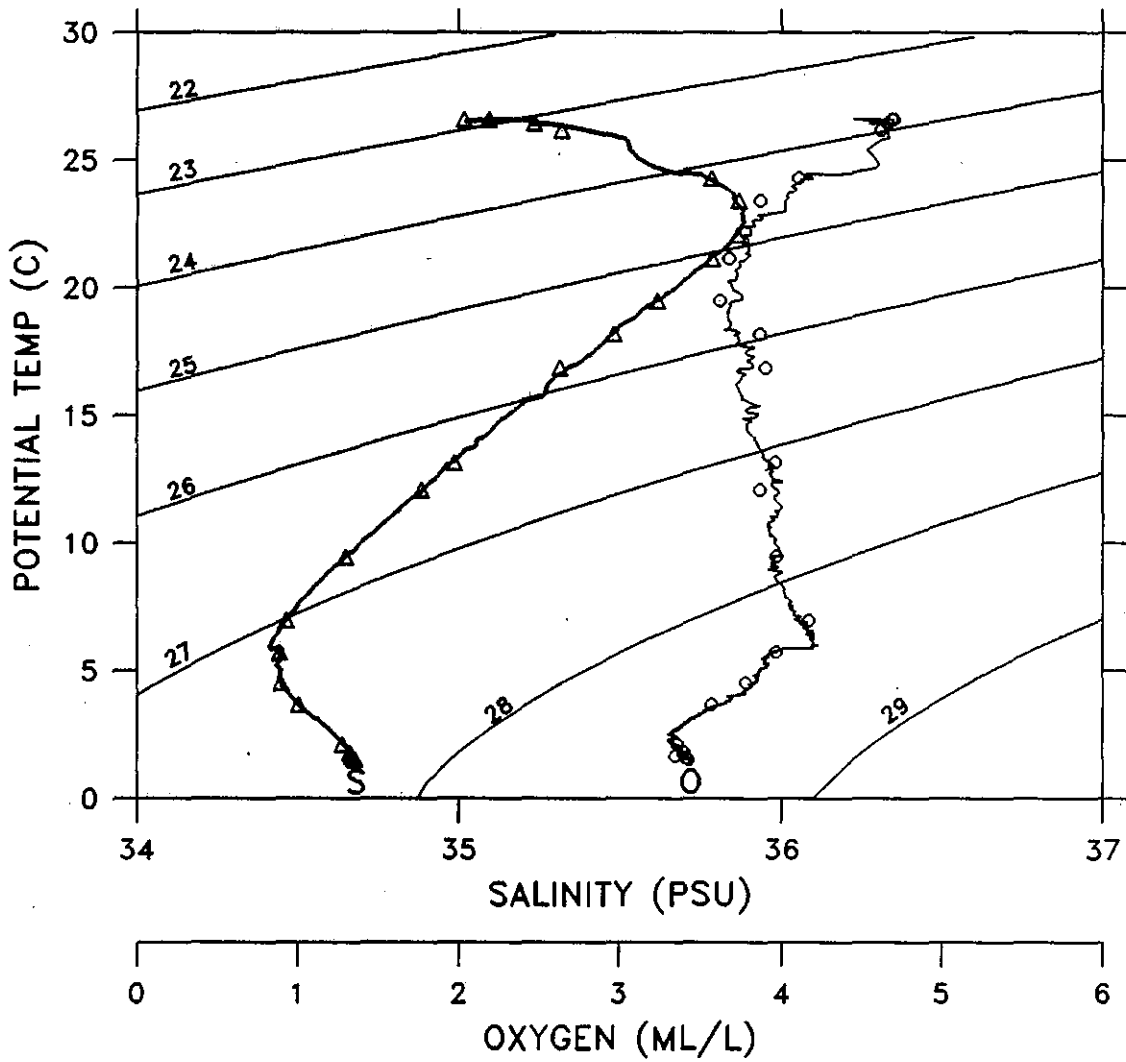


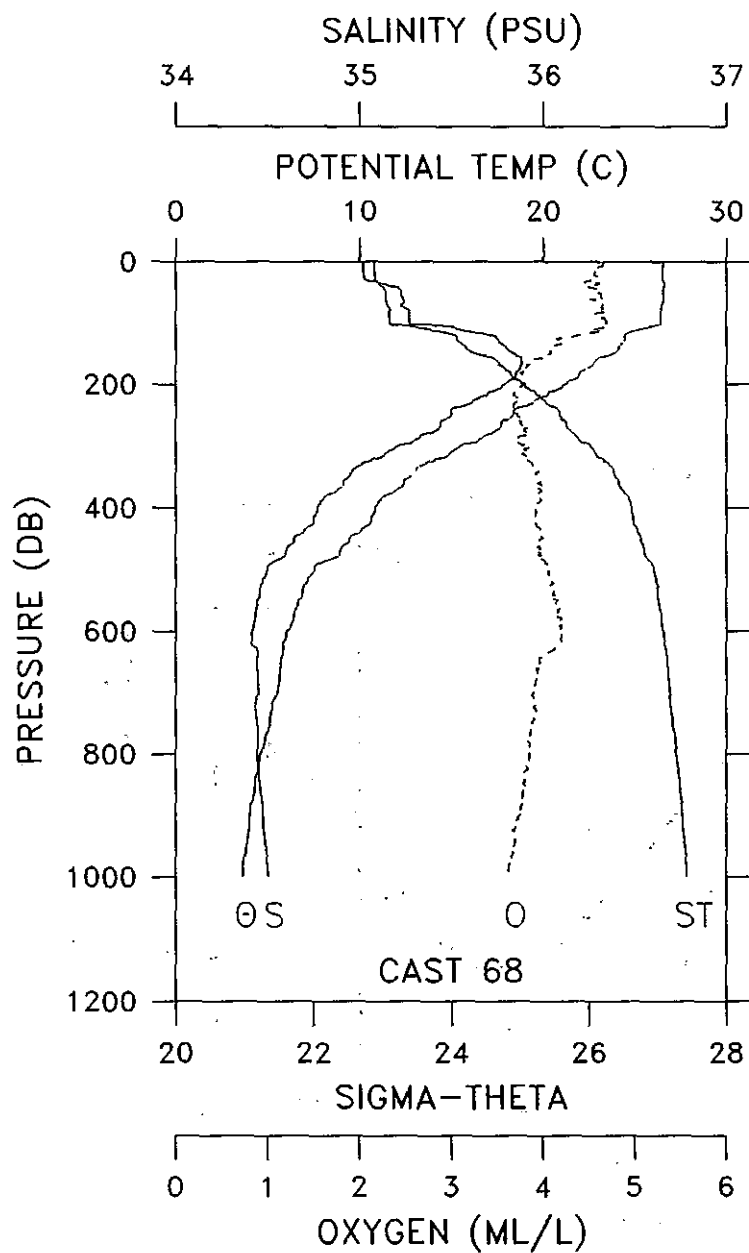


CAST TW2-87-OC-067 DATE 25 JUN 87 TIME 2029 GMT
 LAT 14 30.3S LONG 167 21.1E WEATHER 1 SEA STATE 0
 BAROMETER 13 WIND DIR 135 T SPD 06 KT VISIBILITY 9
 CLOUD 1 AMOUNT 3 DRY 25.2 WET 21.1 DEPTH 2450 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.355	35.222	4.64	23.091	0.000
10	26.362	35.223	4.63	23.090	0.048
20	26.360	35.224	4.64	23.092	0.095
30	26.368	35.227	4.73	23.091	0.143
40	26.374	35.241	4.59	23.100	0.191
50	26.371	35.248	4.58	23.106	0.239
60	26.373	35.258	4.61	23.113	0.287
70	26.374	35.259	4.63	23.113	0.334
80	26.374	35.258	4.64	23.113	0.382
90	26.375	35.264	4.65	23.117	0.430
100	26.310	35.305	4.64	23.168	0.478
110	25.783	35.444	4.62	23.437	0.524
120	24.575	35.554	4.59	23.891	0.567
130	23.843	35.615	4.56	24.155	0.606
140	23.158	35.710	4.27	24.428	0.643
150	22.635	35.727	4.13	24.592	0.678
160	22.251	35.751	4.08	24.720	0.711
170	21.986	35.739	4.03	24.785	0.744
180	21.843	35.749	4.01	24.832	0.776
190	21.631	35.774	3.93	24.911	0.807
200	21.090	35.727	3.99	25.024	0.838
250	18.375	35.487	3.85	25.553	0.977
300	16.361	35.288	3.89	25.887	1.096
350	13.386	34.979	3.78	26.299	1.196
400	10.962	34.764	3.88	26.599	1.278
450	9.021	34.601	4.04	26.803	1.350
500	7.616	34.491	4.04	26.931	1.413
550	7.030	34.452	4.15	26.983	1.472
600	6.225	34.412	4.24	27.059	1.527
650	5.862	34.404	4.16	27.099	1.580
700	5.539	34.402	4.08	27.137	1.632
750	5.016	34.409	3.96	27.205	1.680
800	4.755	34.430	3.87	27.251	1.726
900	4.475	34.438	3.82	27.289	1.815
998	4.079	34.469	3.67	27.355	1.897

CAST TW2-87-OC-068 DATE 26 JUN 87 TIME 0228 GMT
LAT 14 14.5S LONG 166 38.2E

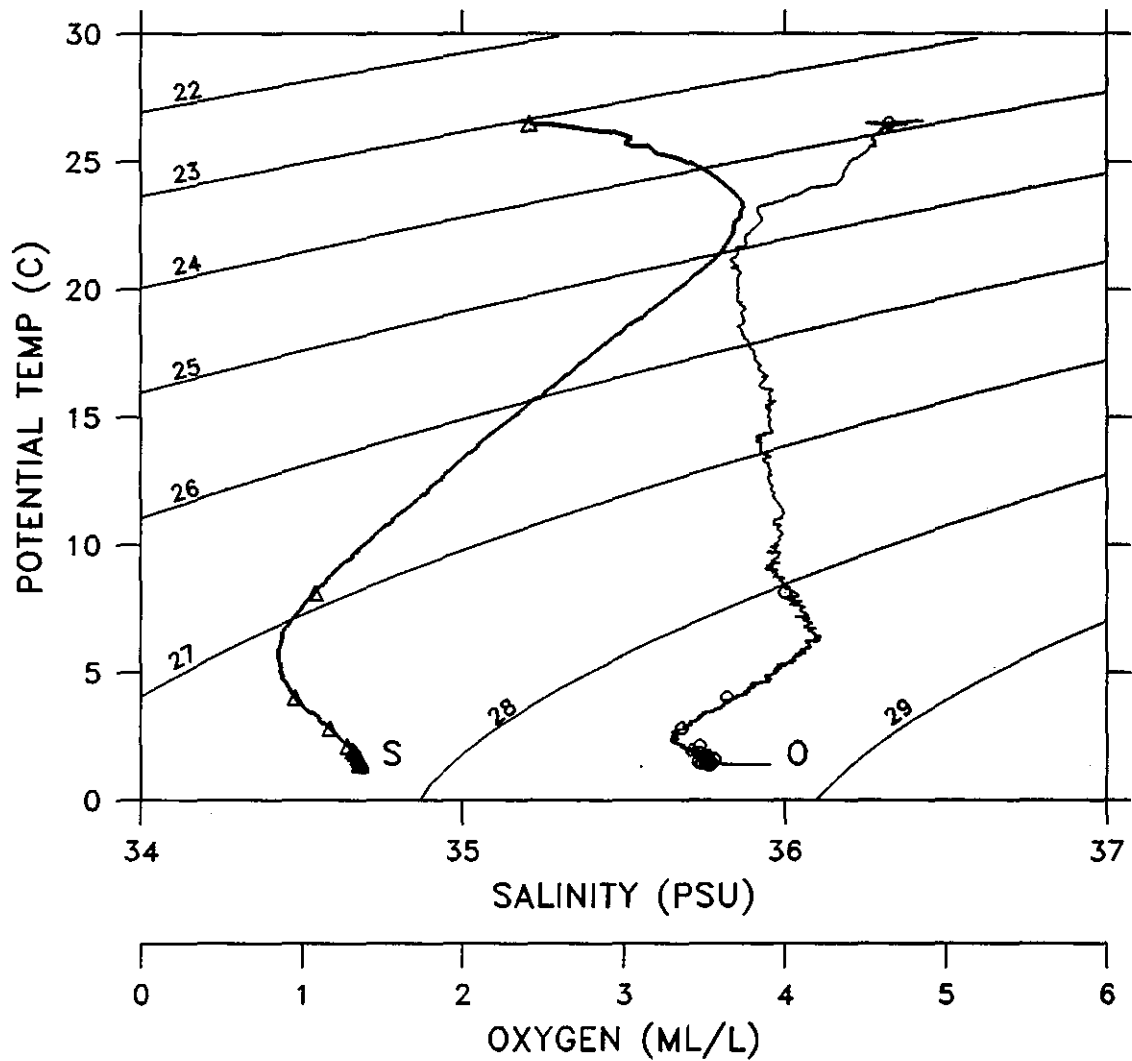


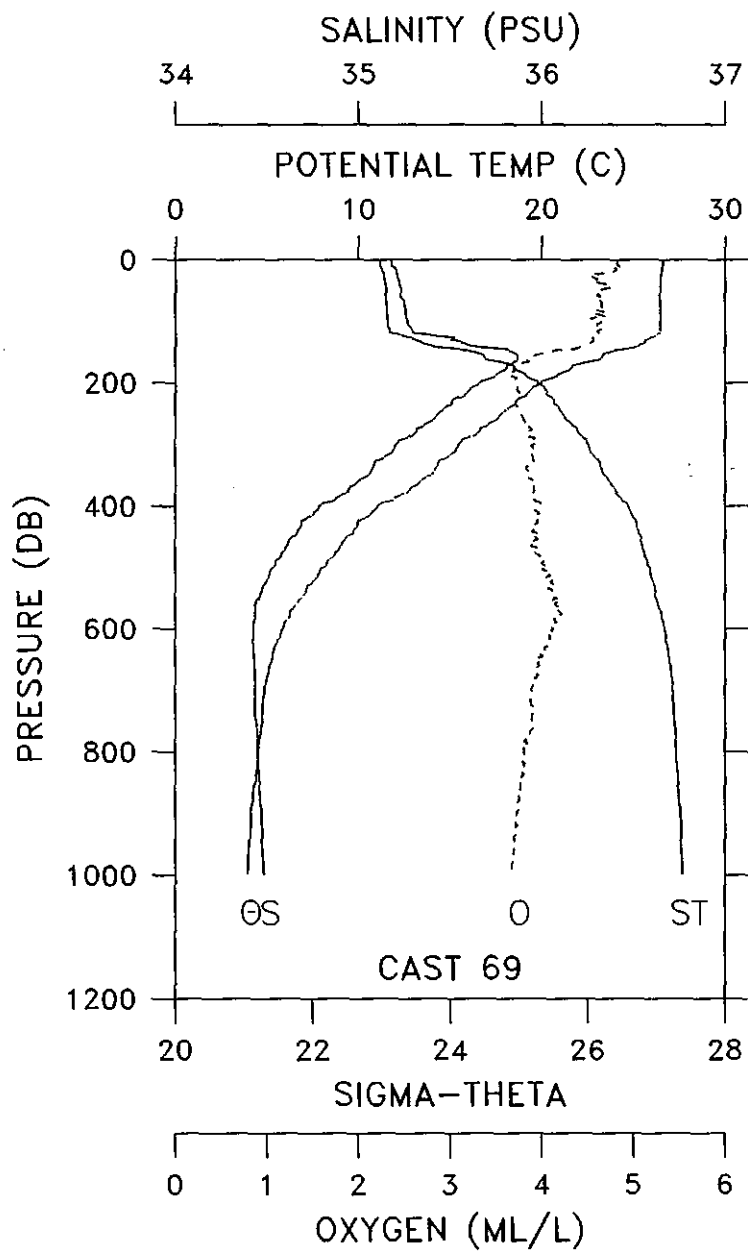


CAST TW2-87-OC-068 DATE 26 JUN 87 TIME 0228 GMT
 LAT 14 14.5S LONG 166 38.2E WEATHER 0 SEA STATE 1
 BAROMETER 12 WIND DIR 125 T SPD 10 KT VISIBILITY 9
 CLOUD 1 AMOUNT 2 DRY 27.0 WET 23.0 DEPTH 3142 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.549	35.020	4.65	22.878	0.000
10	26.531	35.019	4.57	22.883	0.050
20	26.527	35.023	4.56	22.887	0.099
30	26.532	35.034	4.55	22.894	0.149
40	26.594	35.183	4.50	22.986	0.198
50	26.529	35.224	4.59	23.038	0.247
60	26.539	35.234	4.65	23.043	0.295
70	26.436	35.218	4.64	23.063	0.344
80	26.421	35.270	4.63	23.107	0.392
90	26.421	35.271	4.62	23.107	0.440
100	26.420	35.271	4.68	23.108	0.488
110	25.386	35.535	4.53	23.629	0.533
120	24.440	35.742	4.37	24.074	0.574
130	24.398	35.757	4.16	24.097	0.613
140	24.120	35.800	4.10	24.213	0.651
150	23.769	35.844	4.07	24.351	0.688
160	22.841	35.879	3.86	24.648	0.723
170	22.576	35.884	3.82	24.728	0.756
180	22.047	35.858	3.79	24.858	0.788
190	21.775	35.843	3.79	24.923	0.820
200	21.196	35.785	3.80	25.040	0.850
250	18.335	35.497	3.71	25.570	0.986
300	15.467	35.199	3.83	26.023	1.102
350	12.765	34.944	3.94	26.397	1.196
400	10.838	34.770	3.94	26.626	1.276
450	9.480	34.645	3.97	26.762	1.349
500	7.536	34.497	4.06	26.947	1.414
550	6.716	34.445	4.16	27.021	1.471
600	6.044	34.414	4.19	27.084	1.525
650	5.726	34.443	3.97	27.147	1.577
700	5.509	34.448	3.90	27.178	1.626
750	5.110	34.442	3.88	27.221	1.673
800	4.619	34.443	3.85	27.277	1.718
900	4.034	34.475	3.75	27.365	1.802
1000	3.643	34.504	3.61	27.428	1.878
1500	2.714	34.597	3.37	27.589	2.210
2000	2.167	34.639	3.32	27.669	2.488
2500	1.768	34.665	3.39	27.722	2.741
3000	1.564	34.676	3.41	27.745	2.980
3208	1.514	34.678	3.44	27.751	3.078

CAST TW2-87-OC-069 DATE 26 JUN 87 TIME 0810 GMT
LAT 14 11.3S LONG 166 13.5E

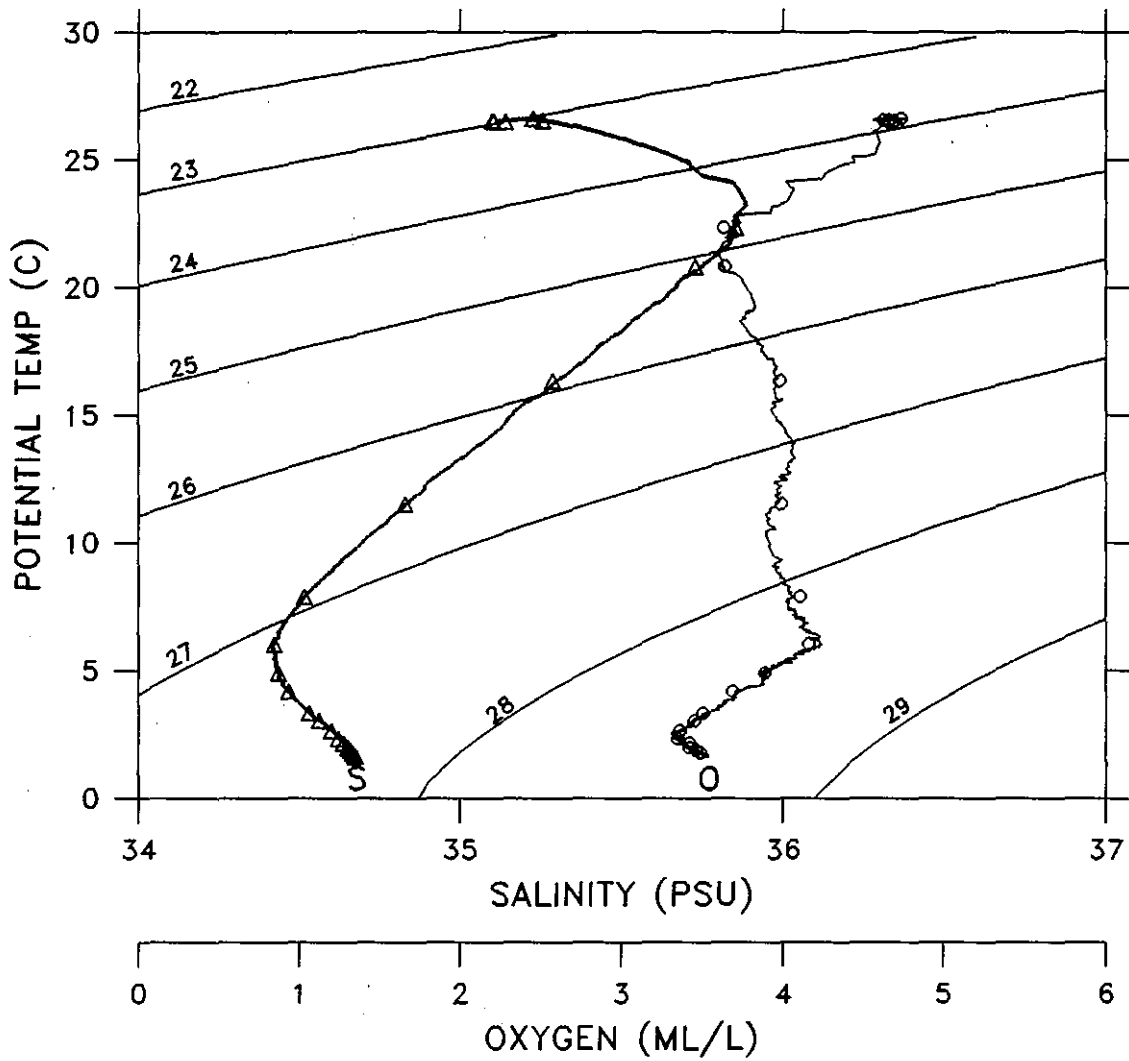




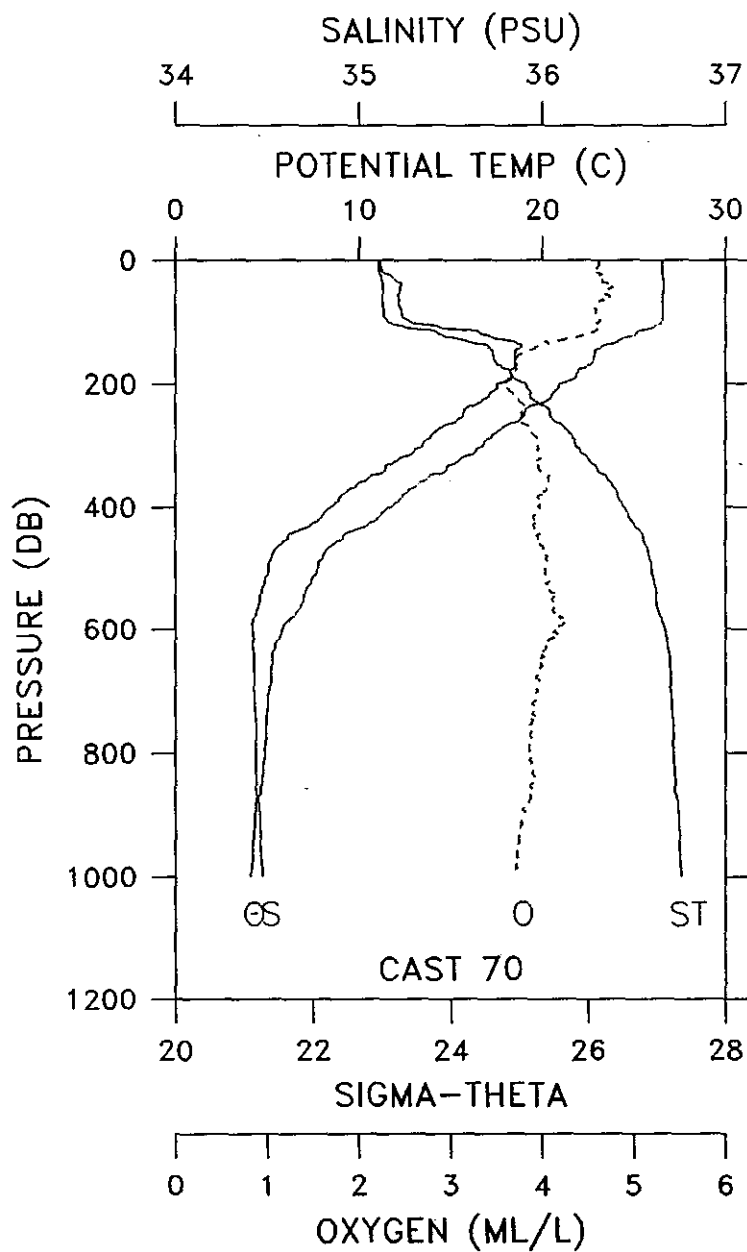
CAST TW2-87-OC-069 DATE 26 JUN 87 TIME 0810 GMT
 LAT 14 11.3S LONG 166 13.5E WEATHER 1 SEA STATE 1
 BAROMETER 13 WIND DIR 109 T SPD 10 KT VISIBILITY 7
 CLOUD X AMOUNT 1 DRY 25.0 WET 22.0 DEPTH 5625 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.610	35.182	4.82	22.981	0.000
10	26.600	35.188	4.85	22.989	0.049
20	26.523	35.207	4.73	23.028	0.097
30	26.498	35.213	4.58	23.040	0.146
40	26.474	35.222	4.67	23.054	0.194
50	26.453	35.229	4.61	23.066	0.242
60	26.447	35.231	4.61	23.069	0.290
70	26.464	35.250	4.66	23.079	0.338
80	26.468	35.256	4.69	23.082	0.386
90	26.471	35.259	4.63	23.083	0.435
100	26.462	35.268	4.62	23.092	0.483
110	26.462	35.278	4.65	23.100	0.531
120	26.319	35.359	4.62	23.206	0.579
130	25.791	35.508	4.56	23.483	0.625
140	25.261	35.632	4.48	23.741	0.668
150	23.719	35.848	4.09	24.369	0.707
160	23.261	35.869	3.85	24.519	0.742
170	22.001	35.831	3.76	24.850	0.776
180	21.399	35.796	3.71	24.992	0.806
190	20.762	35.742	3.71	25.125	0.836
200	19.952	35.659	3.71	25.279	0.864
250	17.811	35.433	3.78	25.651	0.993
300	15.496	35.206	3.90	26.022	1.106
350	13.943	35.051	3.85	26.239	1.204
400	11.044	34.784	3.98	26.600	1.290
450	9.333	34.631	3.92	26.776	1.362
500	7.991	34.533	4.09	26.909	1.427
550	6.923	34.459	4.17	27.003	1.486
600	5.862	34.426	4.12	27.117	1.539
650	5.273	34.430	3.96	27.192	1.588
700	4.875	34.437	3.89	27.243	1.634
750	4.735	34.441	3.90	27.262	1.679
800	4.529	34.451	3.81	27.293	1.723
900	4.120	34.471	3.72	27.353	1.806
1000	3.931	34.483	3.68	27.382	1.885
1500	2.788	34.592	3.37	27.578	2.230
2000	2.142	34.642	3.36	27.673	2.509
2500	1.795	34.670	3.45	27.724	2.758
3000	1.606	34.683	3.53	27.748	2.995
3500	1.493	34.683	3.54	27.757	3.233
4000	1.425	34.684	3.59	27.762	3.475
4500	1.399	34.685	3.67	27.764	3.726
5000	1.390	34.684	3.73	27.765	3.989
5745	1.388	34.684	3.88	27.765	4.404

CAST TW2-87-OC-070 DATE 26 JUN 87 TIME 1247 GMT
LAT 14 14.6S LONG 166 03.1E

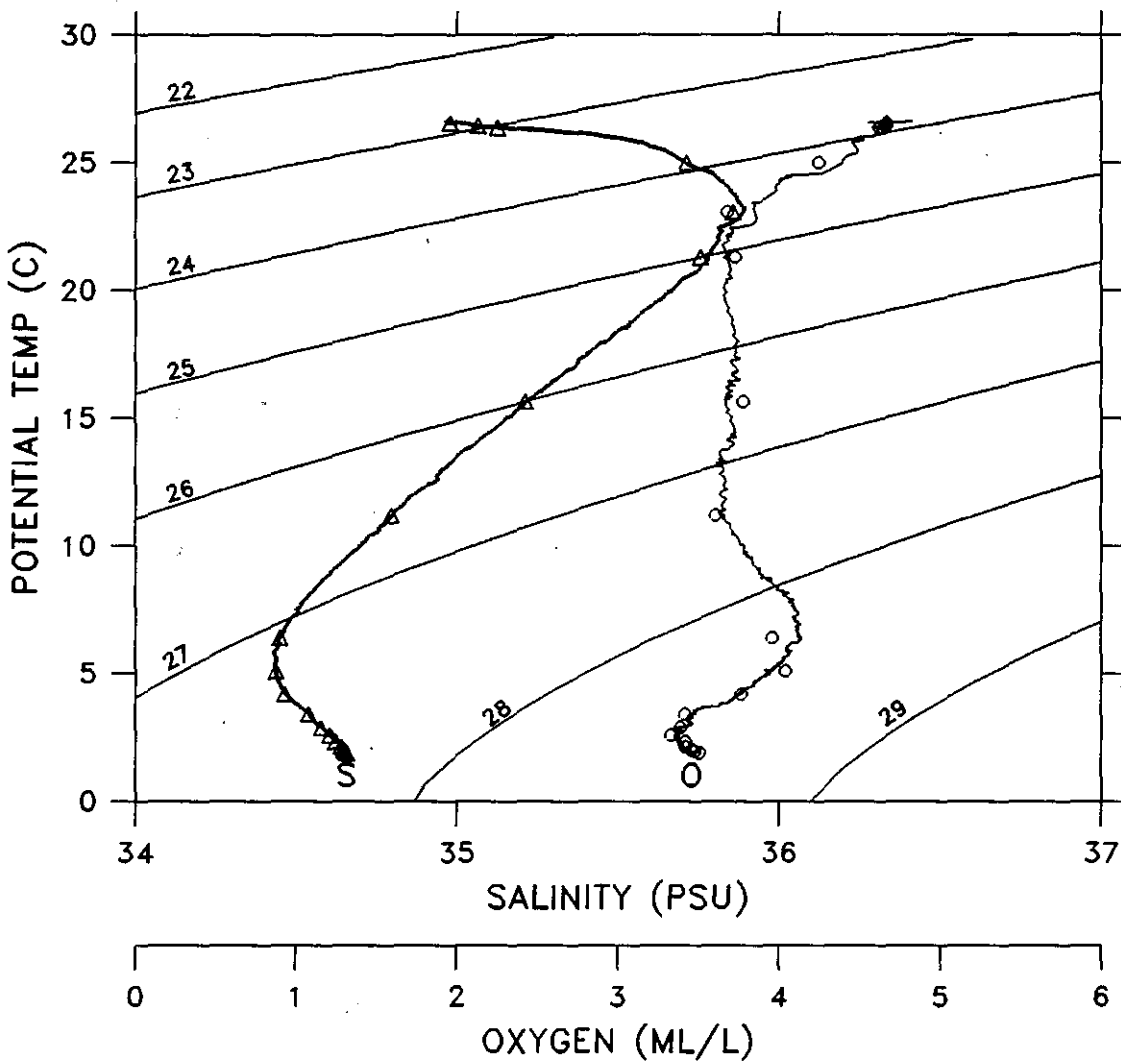


CAST TW2-87-OC-070 DATE 26 JUN 87 TIME 1247 GMT
 LAT 14 14.6S LONG 166 03.1E WEATHER 0 SEA STATE 1
 BAROMETER 14 WIND DIR 105 T SPD 08 KT VISIBILITY 8
 CLOUD X AMOUNT 1 DRY 25.6 WET 22.0 DEPTH 2892 M

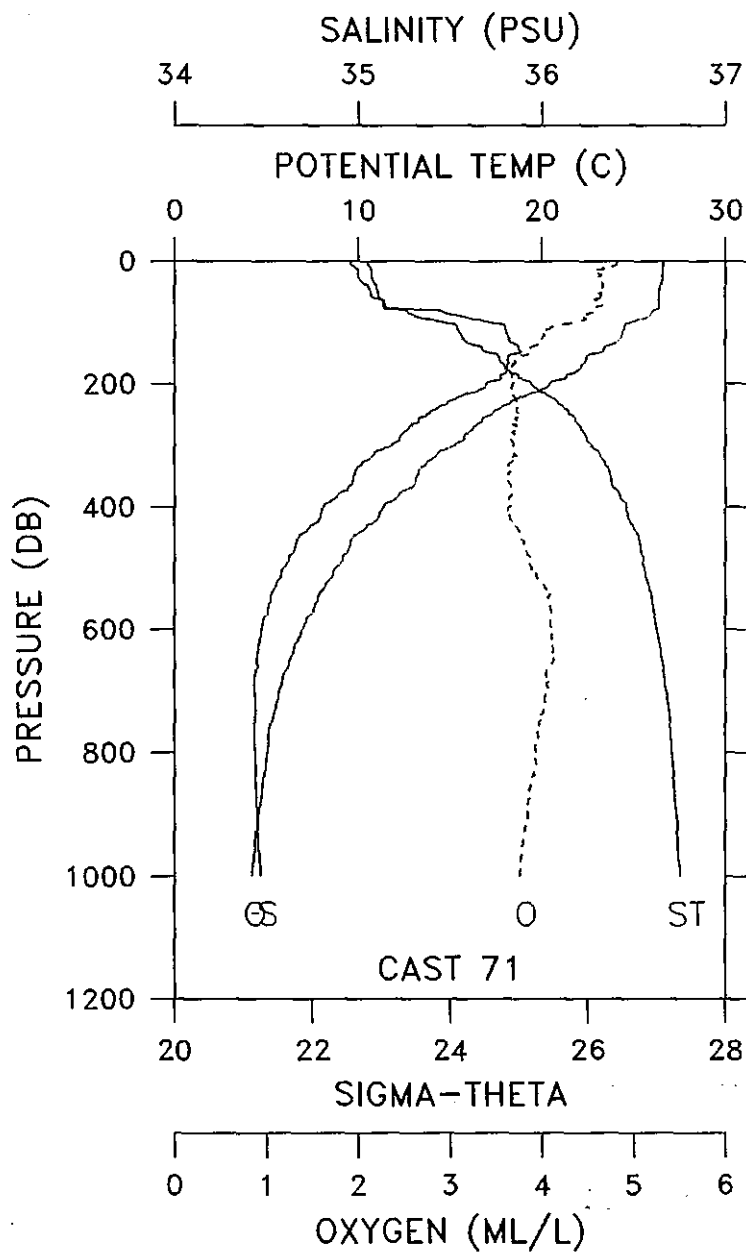


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.549	35.119	4.62	22.952	0.000
10	26.549	35.120	4.60	22.953	0.049
20	26.547	35.130	4.60	22.961	0.098
30	26.599	35.191	4.67	22.991	0.147
40	26.631	35.229	4.76	23.009	0.196
50	26.597	35.219	4.66	23.013	0.244
60	26.586	35.216	4.74	23.014	0.293
70	26.577	35.214	4.61	23.016	0.342
80	26.587	35.234	4.60	23.027	0.390
90	26.584	35.235	4.60	23.029	0.439
100	26.501	35.287	4.60	23.094	0.488
110	26.034	35.449	4.58	23.363	0.534
120	25.103	35.666	4.43	23.815	0.577
130	24.192	35.814	4.13	24.202	0.616
140	23.192	35.882	3.96	24.549	0.652
150	22.881	35.854	3.80	24.618	0.686
160	22.803	35.850	3.71	24.637	0.720
170	22.534	35.863	3.69	24.724	0.754
180	21.944	35.824	3.70	24.862	0.786
190	21.790	35.833	3.64	24.912	0.817
200	20.926	35.750	3.62	25.086	0.847
250	19.033	35.567	3.78	25.448	0.987
300	16.806	35.348	3.96	25.828	1.108
350	13.847	35.057	4.06	26.264	1.211
400	11.669	34.847	3.98	26.533	1.297
450	9.084	34.610	3.94	26.800	1.371
500	7.755	34.508	4.03	26.924	1.434
550	7.002	34.462	4.11	26.995	1.492
600	5.824	34.420	4.17	27.116	1.547
650	5.291	34.427	3.97	27.187	1.596
700	5.125	34.431	3.96	27.210	1.643
750	4.933	34.437	3.90	27.237	1.689
800	4.875	34.439	3.85	27.245	1.735
900	4.330	34.460	3.79	27.322	1.823
1000	4.082	34.475	3.70	27.360	1.906
1500	2.767	34.592	3.39	27.581	2.246
2000	2.152	34.643	3.38	27.673	2.524
2500	1.824	34.668	3.47	27.720	2.775
2974	1.649	34.680	3.54	27.742	3.005

CAST TW2-87-OC-071 DATE 26 JUN 87 TIME 1730 GMT
LAT 14 21.6S LONG 165 30.3E

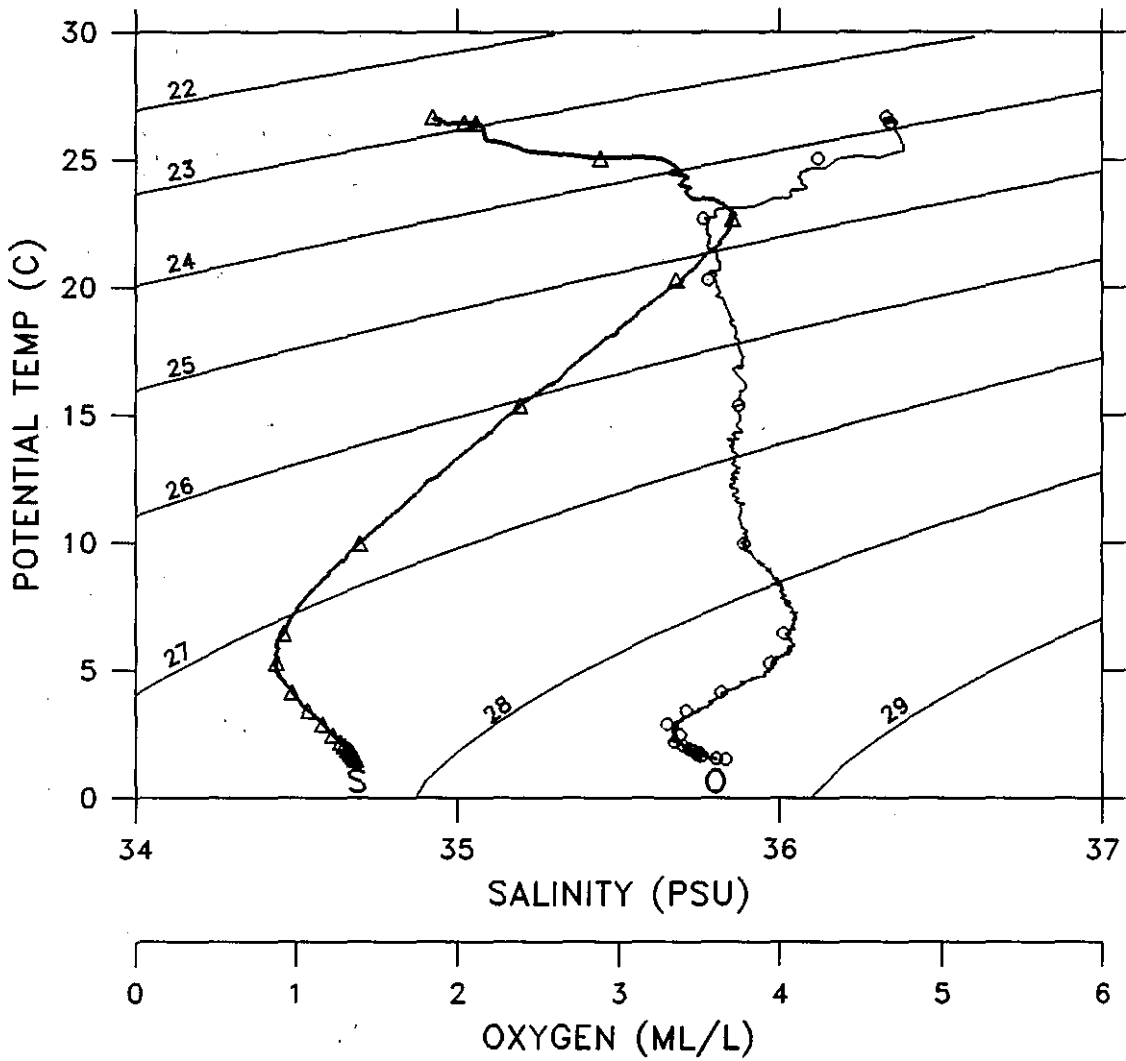


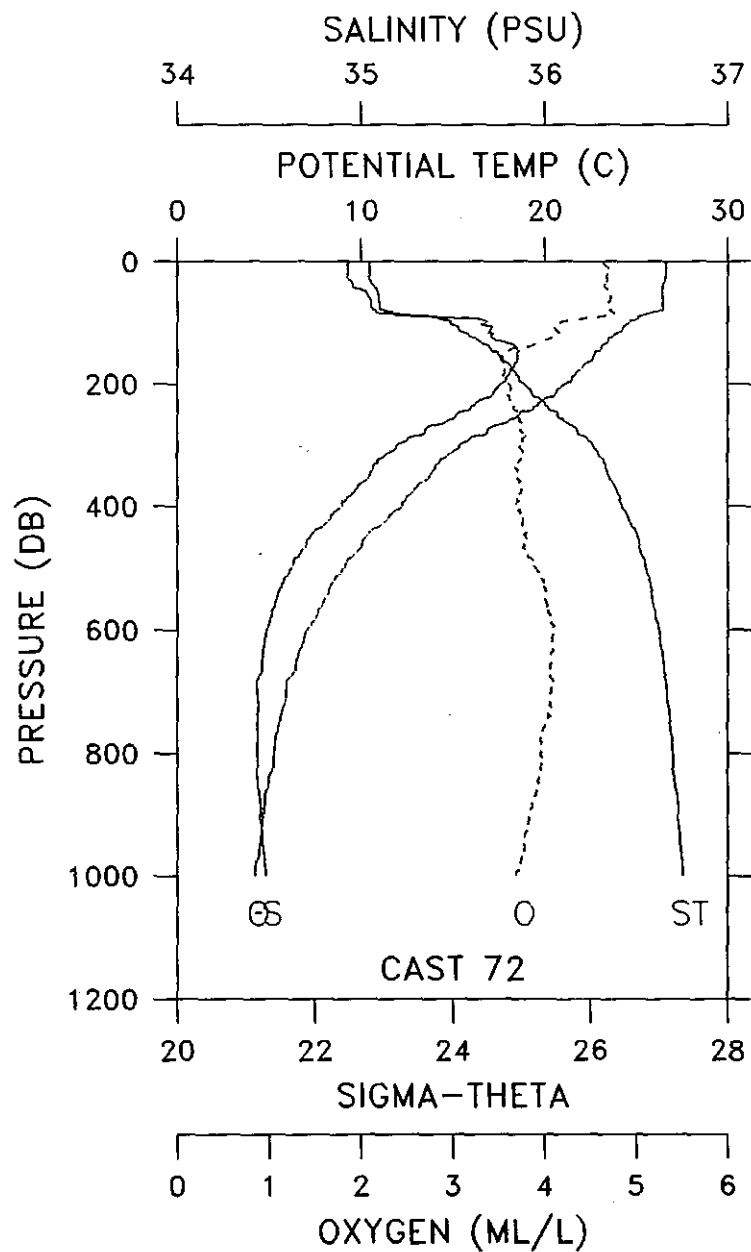
CAST TW2-87-OC-071 DATE 26 JUN 87 TIME 1730 GMT
 LAT 14 21.6S LONG 165 30.3E WEATHER 0 SEA STATE 2
 BAROMETER 12 WIND DIR 105 T SPD 05 KT VISIBILITY 9
 CLOUD X AMOUNT 0 DRY 24.4 WET 21.9 DEPTH 2342 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.623	34.960	4.82	22.809	0.000
10	26.581	34.983	4.66	22.840	0.050
20	26.570	34.997	4.61	22.854	0.100
30	26.538	35.008	4.60	22.873	0.150
40	26.465	35.056	4.67	22.932	0.200
50	26.418	35.069	4.70	22.957	0.249
60	26.396	35.084	4.64	22.975	0.299
70	26.367	35.146	4.65	23.031	0.347
80	26.094	35.425	4.60	23.326	0.395
90	25.813	35.559	4.49	23.516	0.440
100	24.898	35.728	4.37	23.924	0.482
110	24.492	35.798	4.08	24.100	0.521
120	24.346	35.813	4.03	24.156	0.560
130	24.191	35.826	3.99	24.212	0.598
140	23.459	35.874	3.88	24.465	0.634
150	23.108	35.889	3.85	24.579	0.669
160	22.422	35.815	3.71	24.719	0.702
170	22.190	35.812	3.68	24.783	0.735
180	21.873	35.808	3.67	24.869	0.767
190	21.322	35.777	3.67	24.999	0.797
200	20.426	35.697	3.68	25.181	0.827
250	17.239	35.375	3.70	25.746	0.955
300	15.257	35.178	3.68	26.053	1.063
350	13.222	34.979	3.61	26.333	1.157
400	11.358	34.810	3.65	26.562	1.242
450	9.738	34.677	3.80	26.744	1.316
500	8.770	34.593	3.89	26.836	1.384
550	7.778	34.521	4.08	26.931	1.447
600	6.973	34.476	4.12	27.010	1.506
650	6.261	34.446	4.13	27.081	1.561
700	5.688	34.436	4.05	27.146	1.613
750	5.282	34.437	3.97	27.196	1.662
800	5.061	34.438	3.94	27.223	1.709
900	4.558	34.451	3.85	27.290	1.799
1000	4.197	34.468	3.76	27.342	1.884
1500	2.722	34.596	3.40	27.588	2.225
2000	2.162	34.642	3.40	27.672	2.503
2366	1.895	34.663	3.46	27.710	2.689

CAST TW2-87-OC-072 DATE 26 JUN 87 TIME 2218 GMT
LAT 14 29.9S LONG 165 00.0E

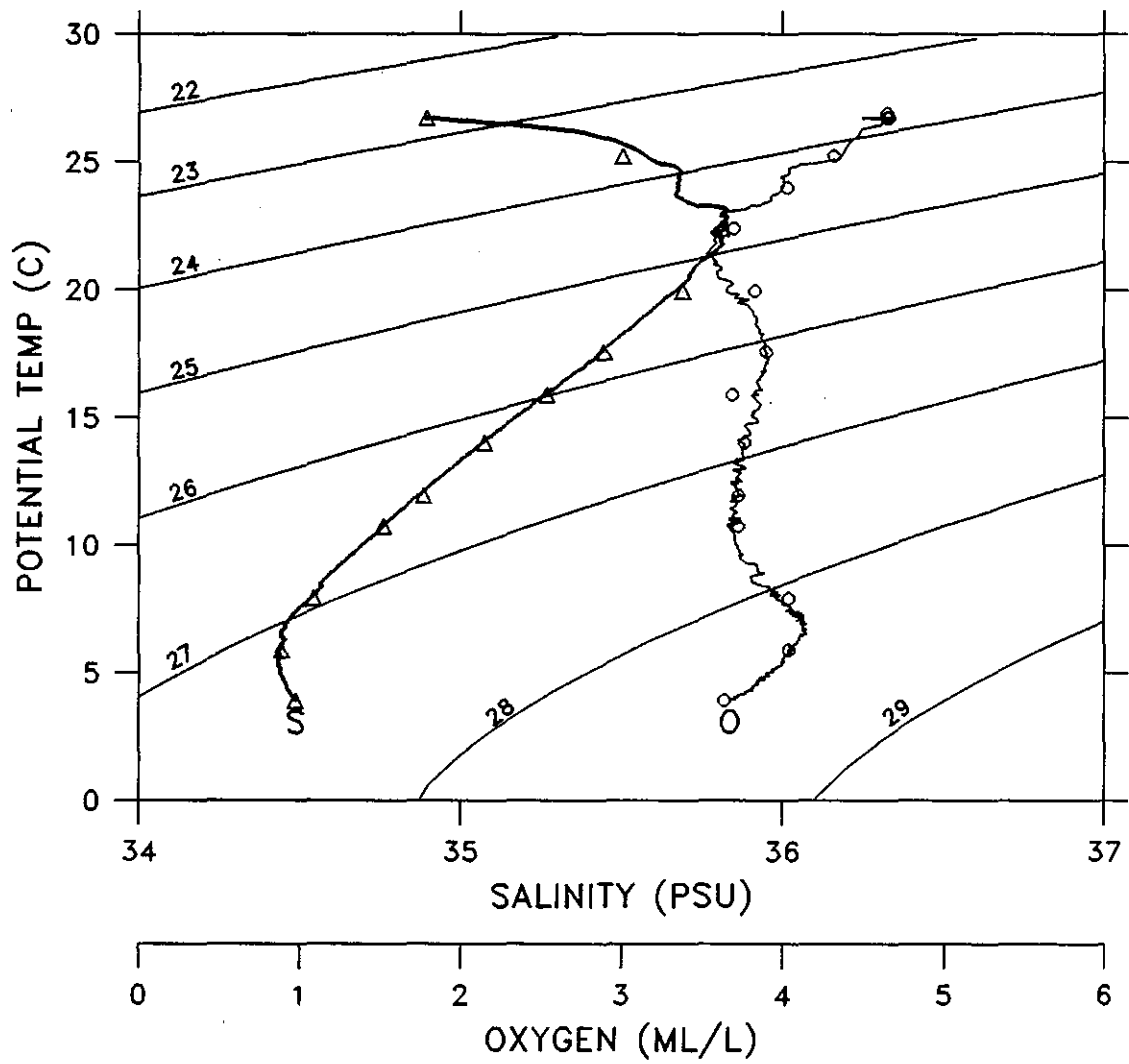




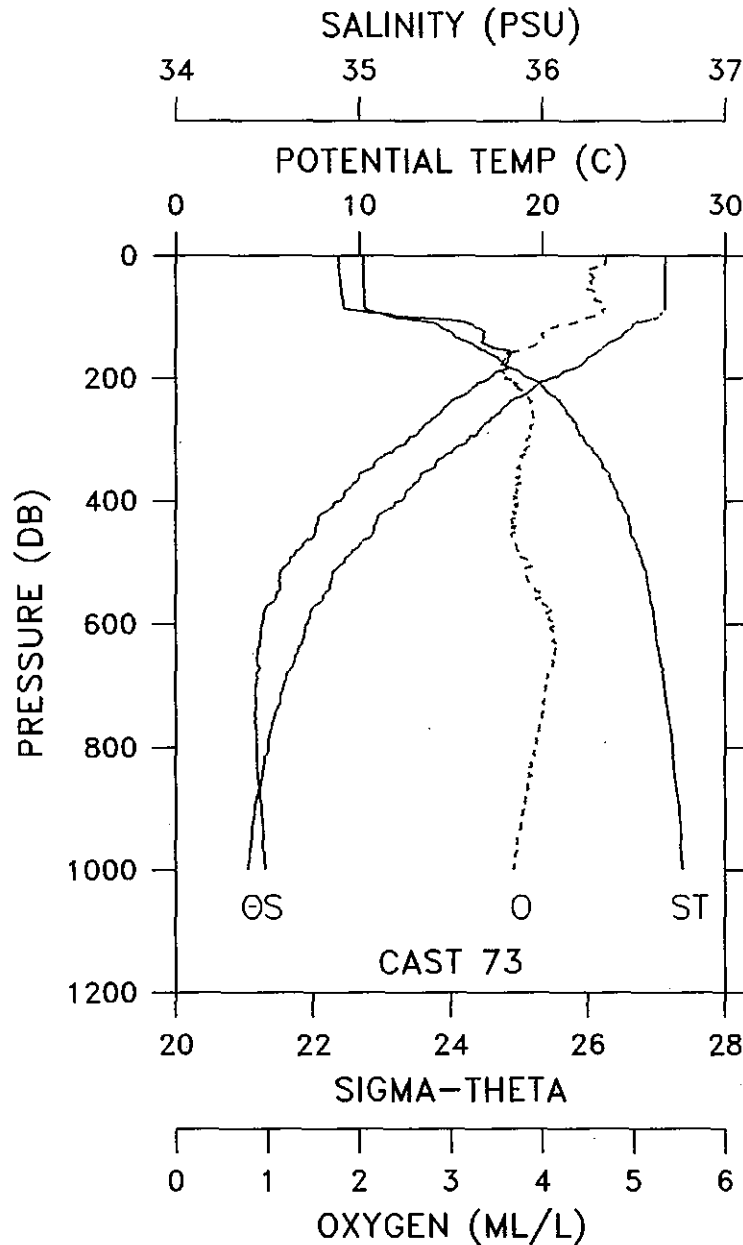
CAST TW2-87-OC-072 DATE 26 JUN 87 TIME 2218 GMT
 LAT 14 29.9S LONG 165 00.0E WEATHER 1 SEA STATE 1
 BAROMETER 14 WIND DIR 155 T SPD 02 KT VISIBILITY 9
 CLOUD 2 AMOUNT 2 DRY 25.0 WET 22.0 DEPTH 3380 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.618	34.925	4.64	22.785	0.000
10	26.617	34.926	4.69	22.786	0.051
20	26.613	34.925	4.69	22.786	0.101
30	26.583	34.950	4.69	22.814	0.152
40	26.457	34.957	4.65	22.859	0.202
50	26.458	35.033	4.68	22.917	0.252
60	26.459	35.048	4.73	22.928	0.302
70	26.459	35.056	4.70	22.934	0.351
80	26.331	35.079	4.71	22.991	0.401
90	25.069	35.426	4.61	23.644	0.447
100	24.603	35.676	4.17	23.975	0.488
110	24.293	35.710	4.13	24.093	0.527
120	23.807	35.712	4.11	24.239	0.565
130	23.471	35.778	3.97	24.388	0.602
140	23.114	35.835	3.73	24.536	0.637
150	22.728	35.851	3.59	24.659	0.671
160	22.606	35.850	3.55	24.694	0.704
170	22.081	35.833	3.54	24.830	0.736
180	21.751	35.816	3.56	24.909	0.768
190	21.483	35.792	3.58	24.966	0.799
200	21.151	35.764	3.61	25.036	0.829
250	18.602	35.522	3.70	25.522	0.968
300	15.347	35.192	3.74	26.044	1.083
350	13.804	35.047	3.69	26.266	1.180
400	12.218	34.898	3.71	26.469	1.267
450	10.261	34.721	3.79	26.689	1.345
500	9.079	34.623	3.91	26.811	1.414
550	8.079	34.544	4.01	26.904	1.478
600	7.094	34.485	4.11	27.000	1.538
650	6.483	34.460	4.07	27.063	1.594
700	5.931	34.437	4.08	27.116	1.647
750	5.574	34.437	4.01	27.161	1.698
800	5.250	34.435	3.96	27.198	1.747
900	4.680	34.452	3.84	27.277	1.839
1000	4.237	34.484	3.69	27.351	1.924
1500	2.879	34.584	3.36	27.564	2.276
2000	2.219	34.637	3.35	27.663	2.563
2500	1.842	34.668	3.47	27.718	2.820
3000	1.643	34.680	3.53	27.743	3.061
3436	1.521	34.688	3.60	27.758	3.269

CAST TW2-87-OC-073 DATE 27 JUN 87 TIME 0318 GMT
LAT 14 30.3S LONG 164 29.7E

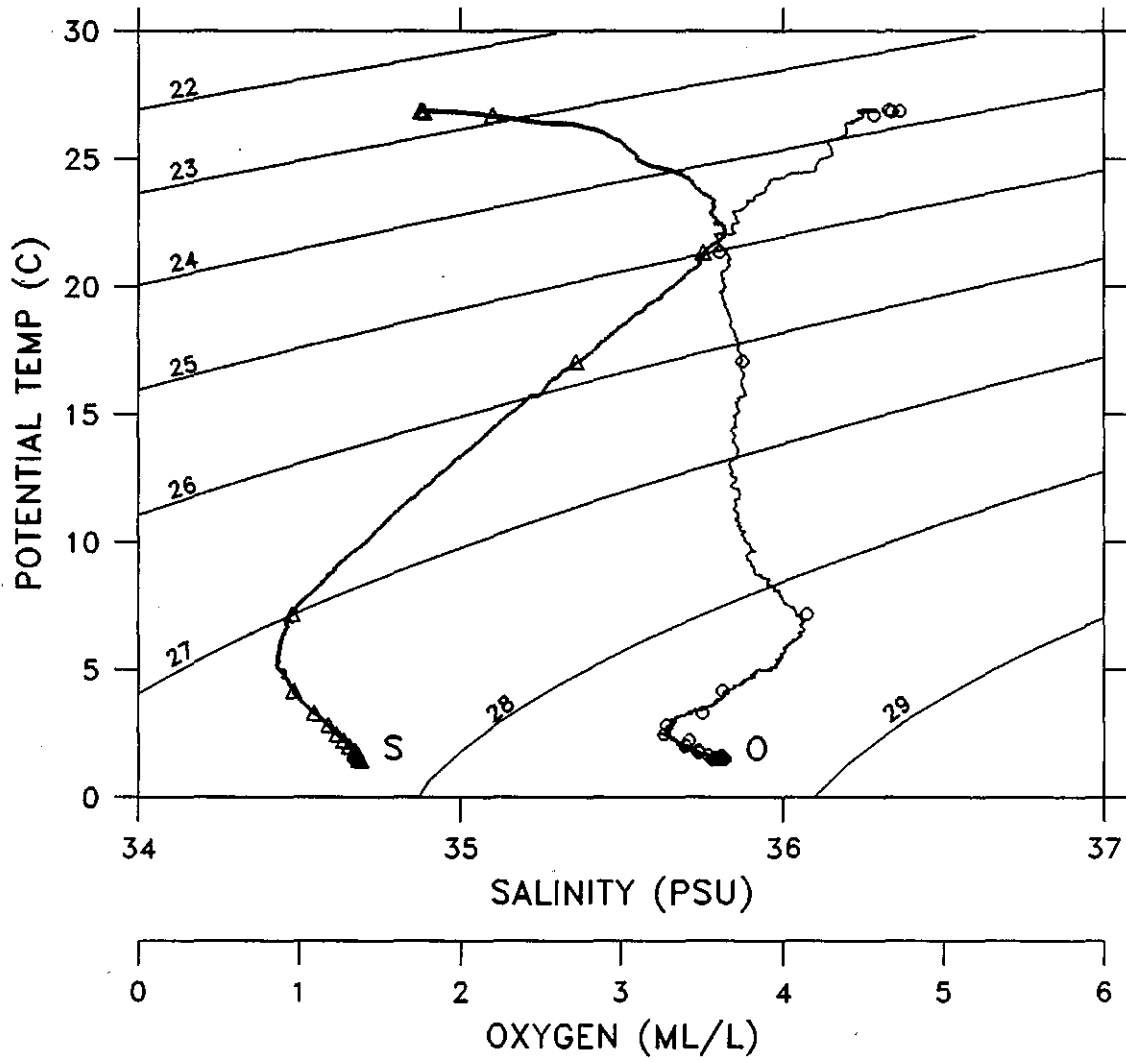


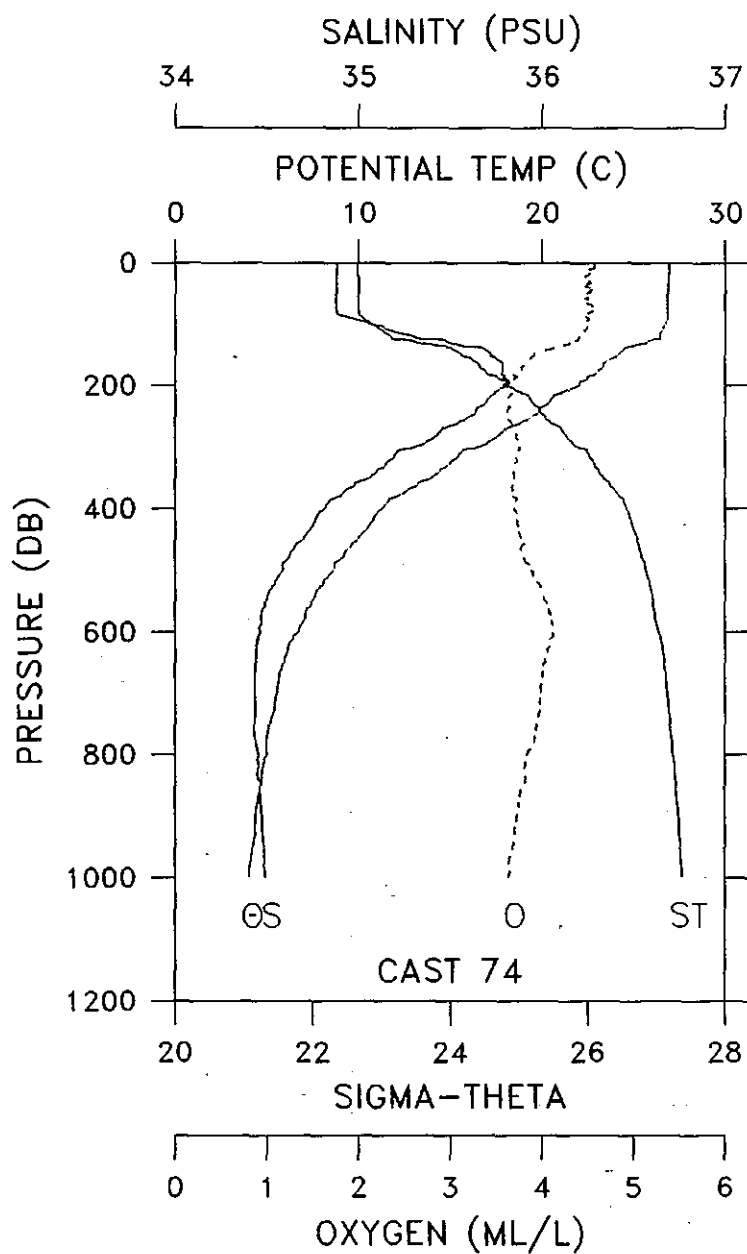
CAST TW2-87-OC-073 DATE 27 JUN 87 TIME 0318 GMT
 LAT 14 30.3S LONG 164 29.7E WEATHER 1 SEA STATE 1
 BAROMETER 13 WIND DIR 166 T SPD 07 KT VISIBILITY 8
 CLOUD 0 AMOUNT 2 DRY 26.7 WET 24.0 DEPTH 4266 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.728	34.887	4.69	22.721	0.000
10	26.723	34.888	4.69	22.724	0.051
20	26.711	34.891	4.56	22.730	0.102
30	26.710	34.894	4.54	22.732	0.154
40	26.711	34.897	4.51	22.734	0.205
50	26.714	34.901	4.52	22.736	0.256
60	26.717	34.904	4.57	22.738	0.308
70	26.725	34.911	4.57	22.740	0.359
80	26.721	34.914	4.67	22.744	0.410
90	26.634	35.002	4.65	22.838	0.462
100	26.310	35.290	4.50	23.157	0.511
110	25.086	35.592	4.33	23.764	0.555
120	24.811	35.668	4.06	23.905	0.596
130	24.380	35.676	3.99	24.042	0.636
140	23.736	35.667	3.96	24.226	0.674
150	23.310	35.732	3.86	24.401	0.711
160	22.915	35.823	3.65	24.584	0.746
170	22.448	35.815	3.60	24.712	0.779
180	22.034	35.812	3.58	24.827	0.812
190	21.134	35.744	3.57	25.025	0.843
200	20.636	35.711	3.60	25.135	0.872
250	17.805	35.459	3.89	25.673	1.003
300	15.981	35.267	3.83	25.958	1.116
350	13.817	35.048	3.77	26.263	1.215
400	12.246	34.896	3.71	26.461	1.303
450	10.809	34.762	3.69	26.625	1.381
500	9.188	34.618	3.84	26.789	1.452
550	8.140	34.551	3.95	26.900	1.517
600	7.188	34.473	4.11	26.978	1.577
650	6.532	34.444	4.15	27.044	1.634
700	5.895	34.438	4.04	27.122	1.687
750	5.387	34.433	4.00	27.180	1.738
800	5.027	34.440	3.92	27.228	1.785
900	4.302	34.466	3.82	27.330	1.873
1000	3.943	34.488	3.68	27.385	1.954
1011	3.936	34.489	3.68	27.386	1.962

CAST TW2-87-OC-074 DATE 27 JUN 87 TIME 0750 GMT
LAT 14 30.4S LONG 163 59.8E

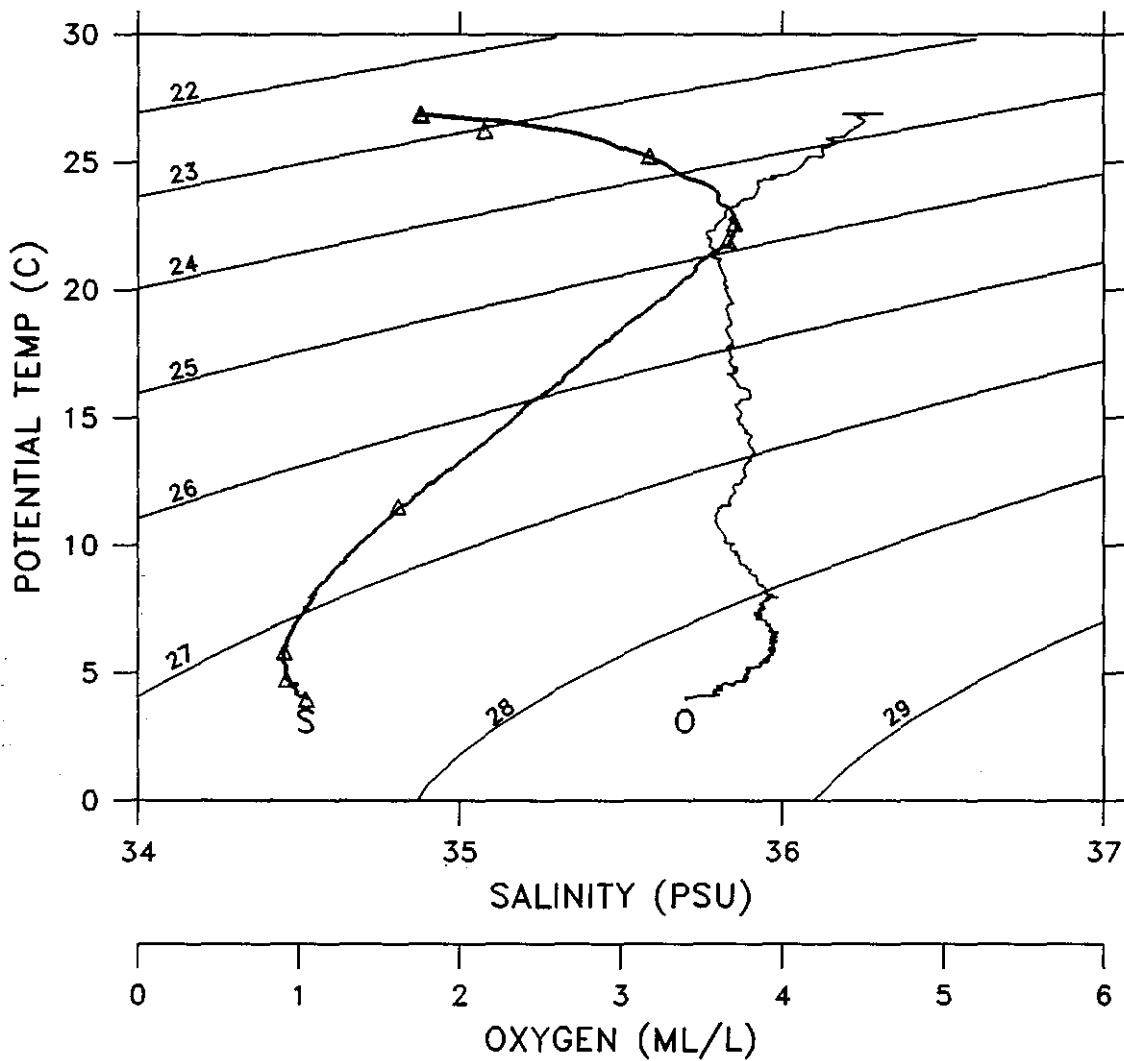


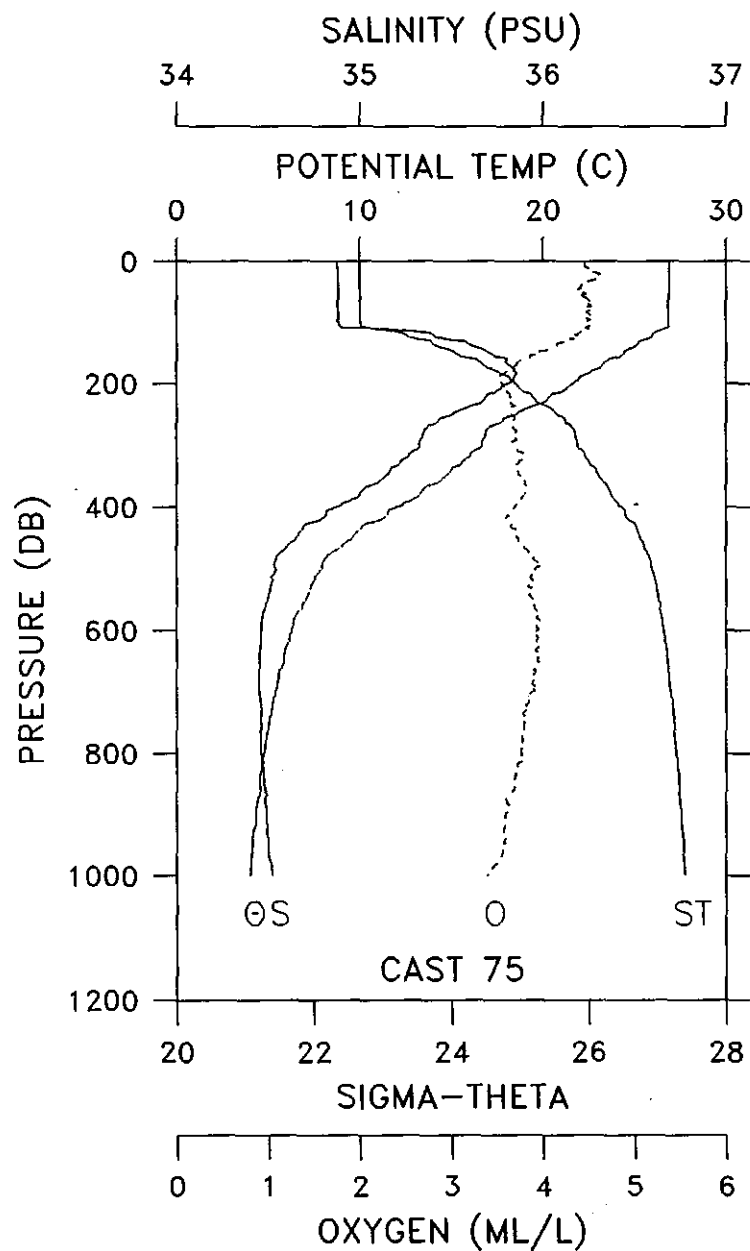


CAST TW2-87-OC-074 DATE 27 JUN 87 TIME 0750 GMT
 LAT 14 30.4S LONG 163 59.8E WEATHER 1 SEA STATE 2
 BAROMETER 14 WIND DIR 155 T SPD 08 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 25.6 WET 20.9 DEPTH 4174 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.935	34.881	4.57	22.651	0.000
10	26.960	34.883	4.51	22.644	0.052
20	26.895	34.878	4.47	22.661	0.104
30	26.886	34.878	4.51	22.664	0.156
40	26.878	34.878	4.52	22.666	0.208
50	26.874	34.878	4.50	22.668	0.260
60	26.872	34.878	4.48	22.669	0.312
70	26.870	34.879	4.55	22.670	0.364
80	26.869	34.882	4.54	22.673	0.416
90	26.857	34.960	4.51	22.735	0.468
100	26.745	35.069	4.49	22.853	0.519
110	26.553	35.182	4.46	22.999	0.568
120	26.398	35.299	4.41	23.136	0.617
130	25.721	35.494	4.28	23.494	0.663
140	24.439	35.681	4.11	24.028	0.705
150	24.103	35.720	3.92	24.158	0.743
160	23.571	35.766	3.83	24.350	0.780
170	23.333	35.787	3.77	24.435	0.816
180	22.984	35.782	3.73	24.533	0.851
190	22.445	35.814	3.69	24.712	0.885
200	22.004	35.815	3.58	24.838	0.917
250	19.451	35.605	3.64	25.369	1.062
300	16.449	35.304	3.76	25.878	1.185
350	14.059	35.064	3.69	26.225	1.286
400	11.331	34.814	3.70	26.570	1.371
450	9.945	34.698	3.77	26.726	1.445
500	8.598	34.584	3.87	26.856	1.512
550	7.472	34.495	4.04	26.955	1.574
600	6.716	34.466	4.11	27.037	1.631
650	5.945	34.440	4.04	27.118	1.684
700	5.552	34.435	3.99	27.162	1.734
750	5.173	34.431	3.95	27.204	1.782
800	5.004	34.456	3.84	27.244	1.829
900	4.388	34.473	3.73	27.326	1.916
1000	4.049	34.491	3.63	27.376	1.997
1500	2.823	34.589	3.30	27.573	2.339
2000	2.242	34.634	3.35	27.659	2.625
2500	1.832	34.667	3.43	27.718	2.880
3000	1.658	34.681	3.55	27.743	3.123
3500	1.530	34.687	3.60	27.757	3.363
4000	1.486	34.688	3.63	27.761	3.608
4229	1.474	34.686	3.64	27.760	3.724

CAST TW2-87-OC-075 DATE 27 JUN 87 TIME 1222 GMT
LAT 14 21.0S LONG 163 28.5E

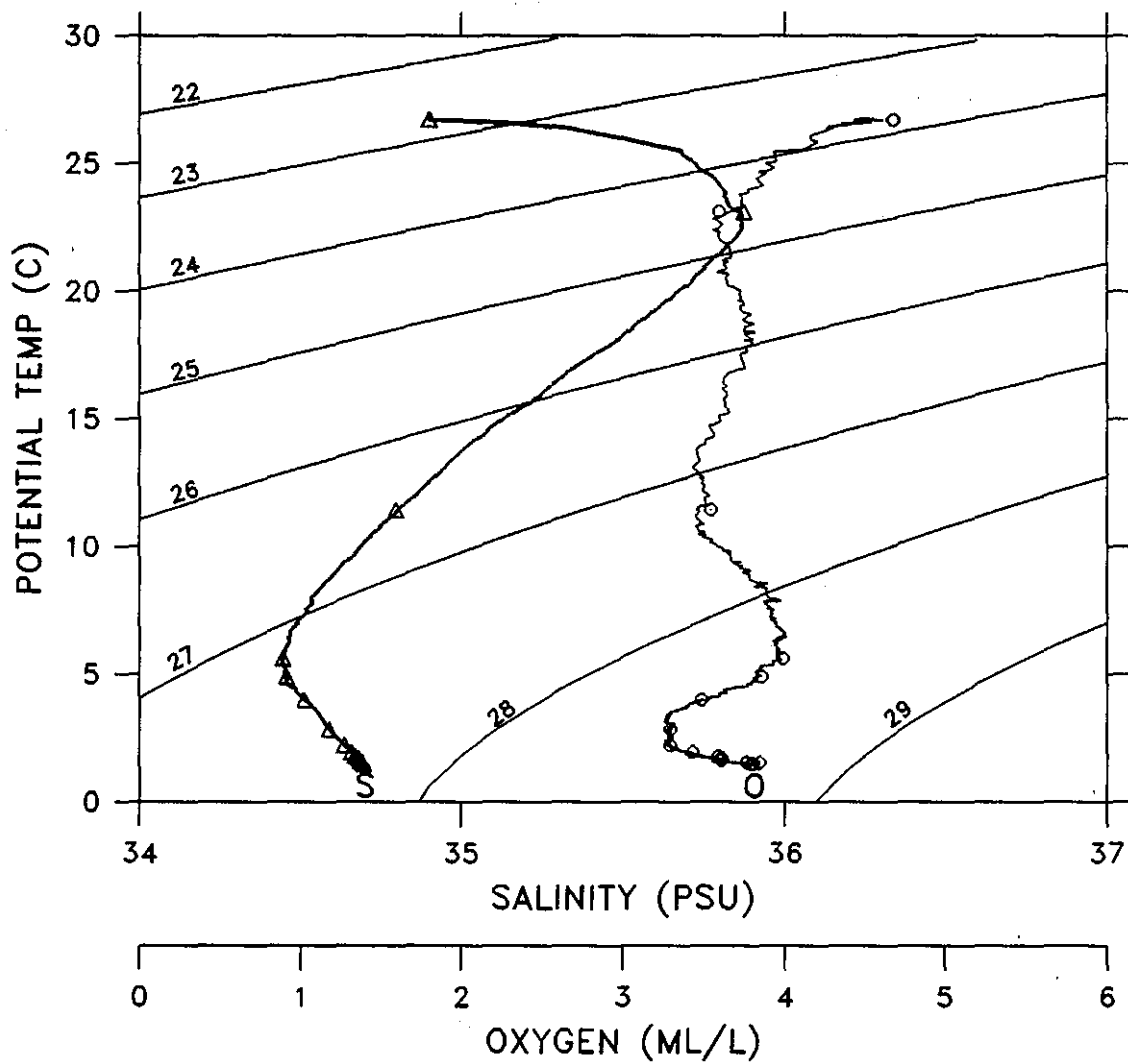


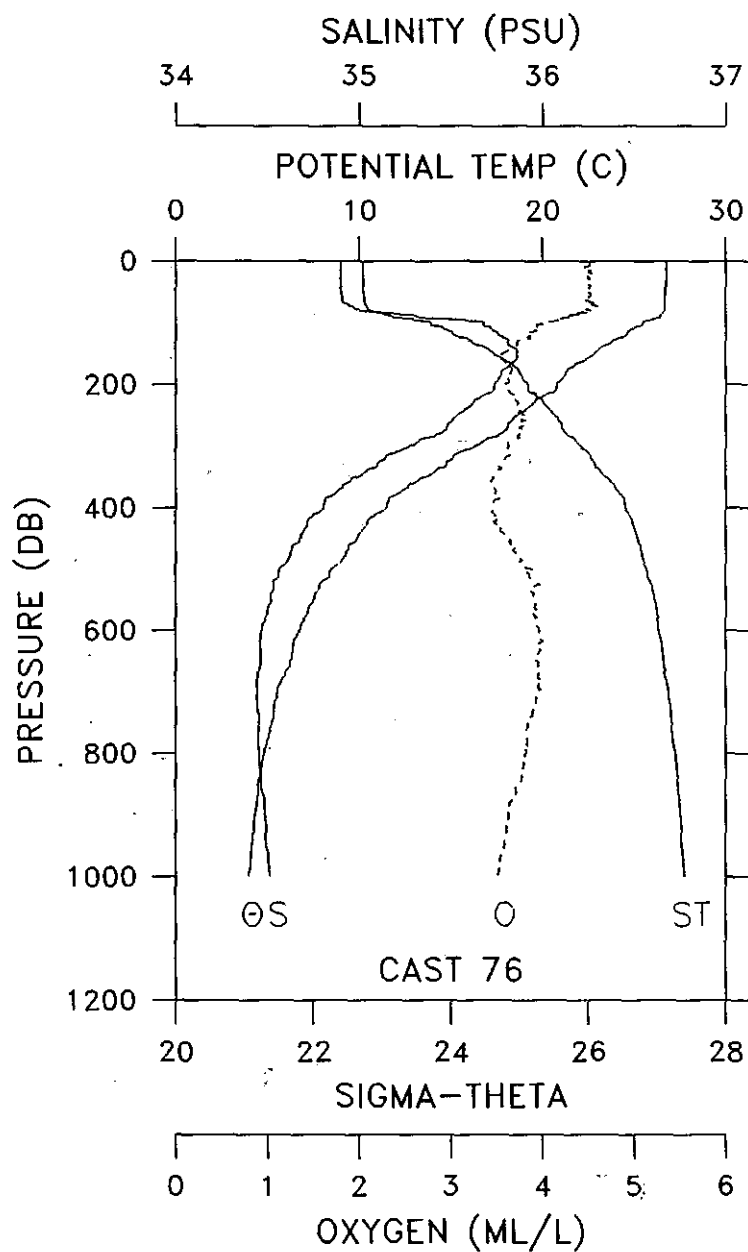


CAST TW2-87-OC-075 DATE 27 JUN 87 TIME 1222 GMT
 LAT 14 21.0S LONG 163 28.5E WEATHER 0 SEA STATE 2
 BAROMETER 16 WIND DIR 145 T SPD 08 KT VISIBILITY 8
 CLOUD X AMOUNT 0 DRY 25.0 WET 21.6 DEPTH 3953 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.892	34.879	4.46	22.663	0.000
10	26.894	34.880	4.49	22.663	0.052
20	26.892	34.881	4.61	22.664	0.104
30	26.892	34.881	4.56	22.664	0.156
40	26.886	34.881	4.41	22.667	0.207
50	26.882	34.881	4.41	22.668	0.259
60	26.869	34.881	4.47	22.672	0.311
70	26.865	34.881	4.50	22.673	0.363
80	26.861	34.882	4.52	22.676	0.415
90	26.860	34.884	4.46	22.677	0.467
100	26.861	34.887	4.48	22.679	0.519
110	26.736	35.028	4.47	22.825	0.571
120	25.976	35.406	4.38	23.349	0.619
130	25.335	35.565	4.25	23.668	0.664
140	24.926	35.636	4.13	23.846	0.706
150	24.418	35.699	3.93	24.047	0.746
160	23.636	35.802	3.82	24.358	0.784
170	23.286	35.823	3.71	24.476	0.820
180	22.655	35.853	3.61	24.682	0.854
190	22.020	35.842	3.54	24.854	0.886
200	21.601	35.804	3.57	24.942	0.918
250	18.467	35.500	3.65	25.540	1.059
300	16.674	35.326	3.68	25.843	1.175
350	14.678	35.140	3.76	26.151	1.281
400	11.974	34.866	3.69	26.490	1.371
450	9.580	34.649	3.73	26.749	1.446
500	7.952	34.544	3.90	26.923	1.510
550	7.043	34.495	3.89	27.015	1.568
600	6.266	34.463	3.94	27.094	1.622
650	5.815	34.450	3.95	27.141	1.673
700	5.375	34.452	3.87	27.197	1.722
750	5.027	34.458	3.79	27.243	1.768
800	4.760	34.462	3.76	27.276	1.813
900	4.319	34.490	3.59	27.347	1.898
1000	4.008	34.523	3.41	27.406	1.976
1007	3.973	34.523	3.40	27.409	1.982

CAST TW2-87-OC-076 DATE 27 JUN 87 TIME 1702 GMT
LAT 14 11.1S LONG 163 00.0E

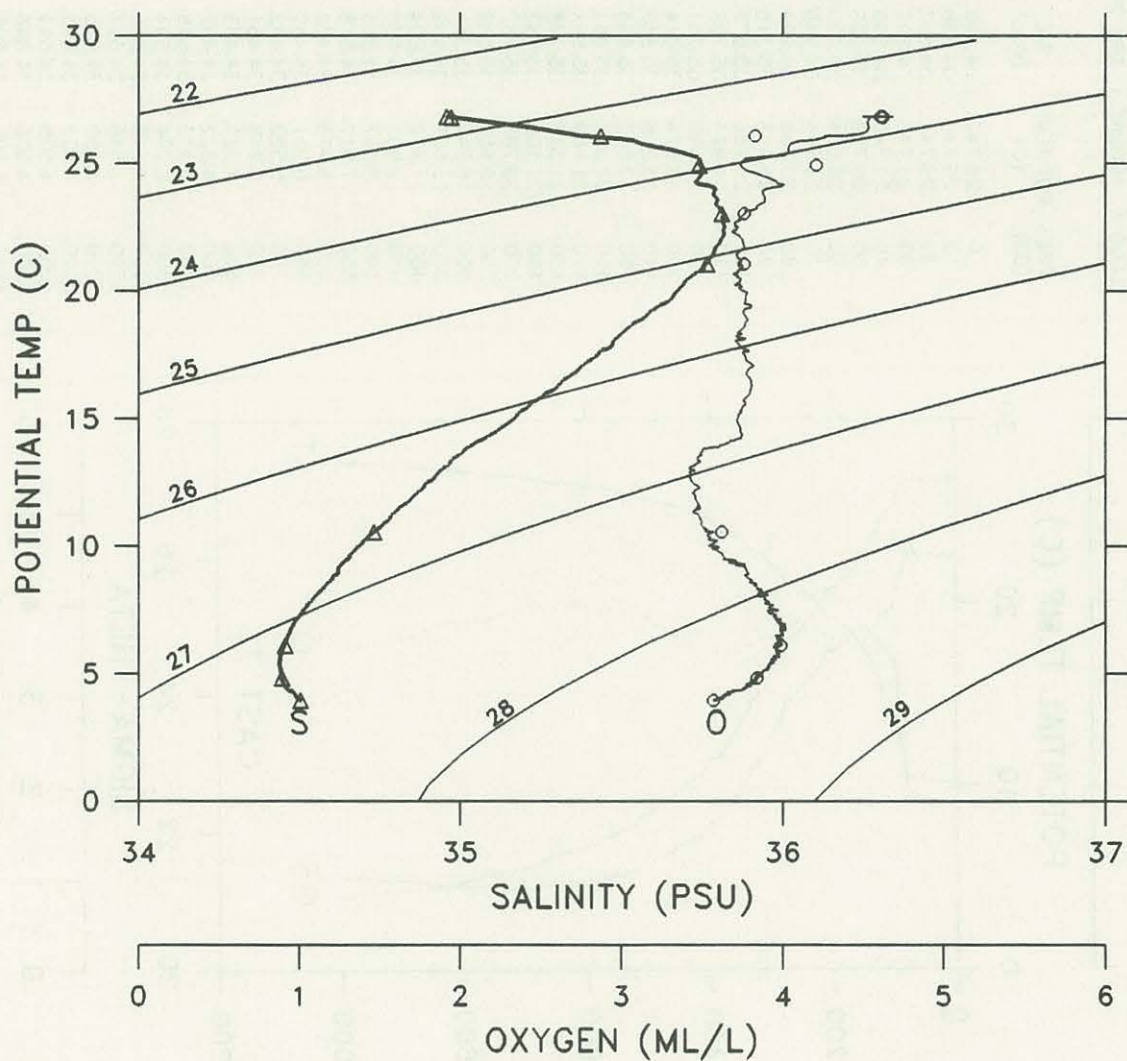


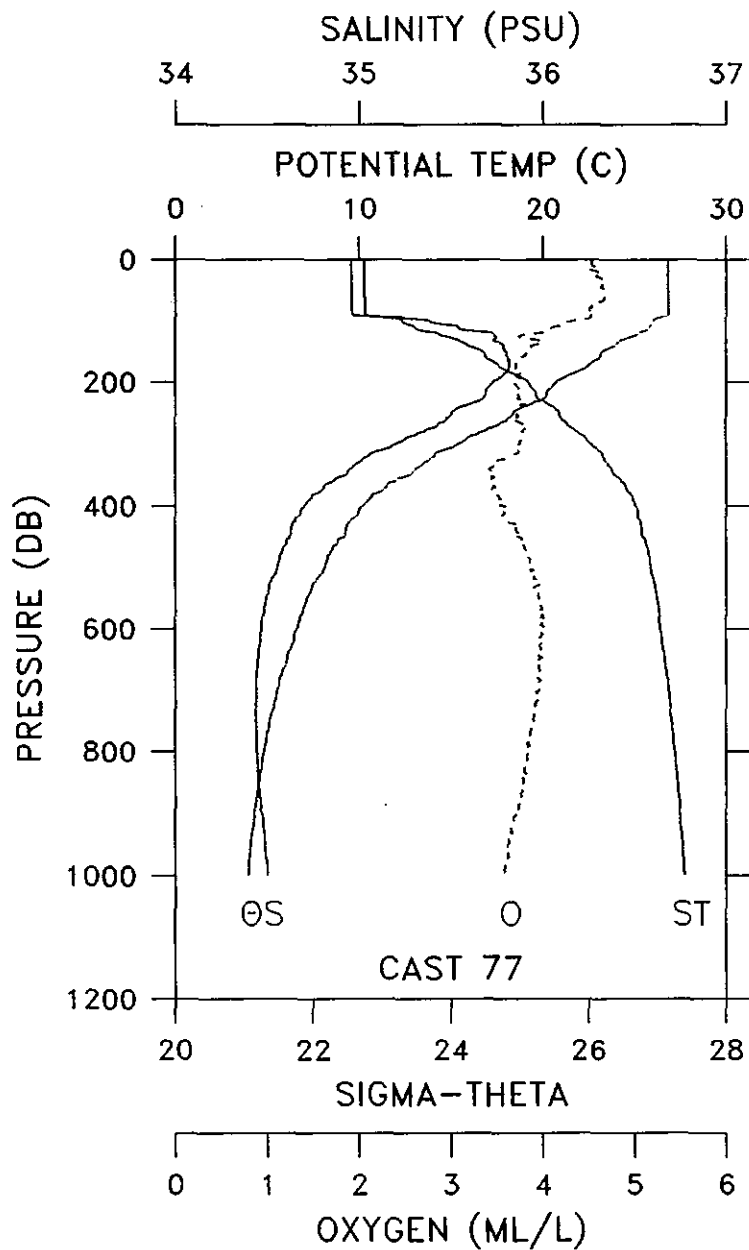


CAST TW2-87-OC-076 DATE 27 JUN 87 TIME 1702 GMT
 LAT 14 11.1S LONG 163 00.0E WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 150 T SPD 12 KT VISIBILITY 8
 CLOUD X AMOUNT 1 DRY 25.0 WET 21.7 DEPTH 4604 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.747	34.898	4.51	22.723	0.000
10	26.746	34.898	4.45	22.724	0.051
20	26.742	34.897	4.54	22.725	0.102
30	26.743	34.897	4.50	22.724	0.154
40	26.740	34.899	4.54	22.726	0.205
50	26.730	34.906	4.50	22.735	0.256
60	26.694	34.910	4.48	22.750	0.308
70	26.694	34.940	4.54	22.772	0.359
80	26.688	34.994	4.53	22.814	0.410
90	26.418	35.316	4.26	23.142	0.459
100	25.486	35.679	4.01	23.707	0.504
110	24.993	35.722	3.88	23.891	0.546
120	24.590	35.761	3.89	24.043	0.585
130	23.824	35.814	3.76	24.311	0.623
140	23.206	35.837	3.67	24.510	0.659
150	22.873	35.863	3.58	24.626	0.693
160	22.341	35.861	3.57	24.777	0.726
170	21.769	35.821	3.63	24.908	0.758
180	21.336	35.778	3.67	24.995	0.788
190	21.108	35.762	3.63	25.046	0.818
200	20.782	35.737	3.59	25.116	0.848
250	18.669	35.538	3.79	25.518	0.985
300	16.241	35.271	3.63	25.901	1.105
350	13.609	34.989	3.46	26.261	1.206
400	11.477	34.804	3.46	26.536	1.290
450	9.901	34.680	3.60	26.720	1.365
500	8.507	34.568	3.86	26.858	1.432
550	7.517	34.518	3.93	26.966	1.494
600	6.773	34.472	3.98	27.034	1.550
650	6.251	34.462	3.95	27.095	1.604
700	5.529	34.442	3.93	27.171	1.655
750	5.218	34.451	3.84	27.214	1.703
800	4.821	34.455	3.82	27.264	1.749
900	4.322	34.487	3.63	27.344	1.834
1000	3.973	34.516	3.51	27.404	1.914
1500	2.764	34.594	3.28	27.582	2.249
2000	2.216	34.636	3.28	27.662	2.532
2500	1.846	34.667	3.43	27.717	2.787
3000	1.650	34.685	3.61	27.747	3.029
3500	1.533	34.693	3.69	27.761	3.267
4000	1.505	34.694	3.75	27.765	3.511
4500	1.506	34.696	3.82	27.766	3.766
4594	1.505	34.696	3.81	27.766	3.816

CAST TW2-87-OC-077 DATE 27 JUN 87 TIME 2148 GMT
LAT 14 20.6S LONG 162 29.9E

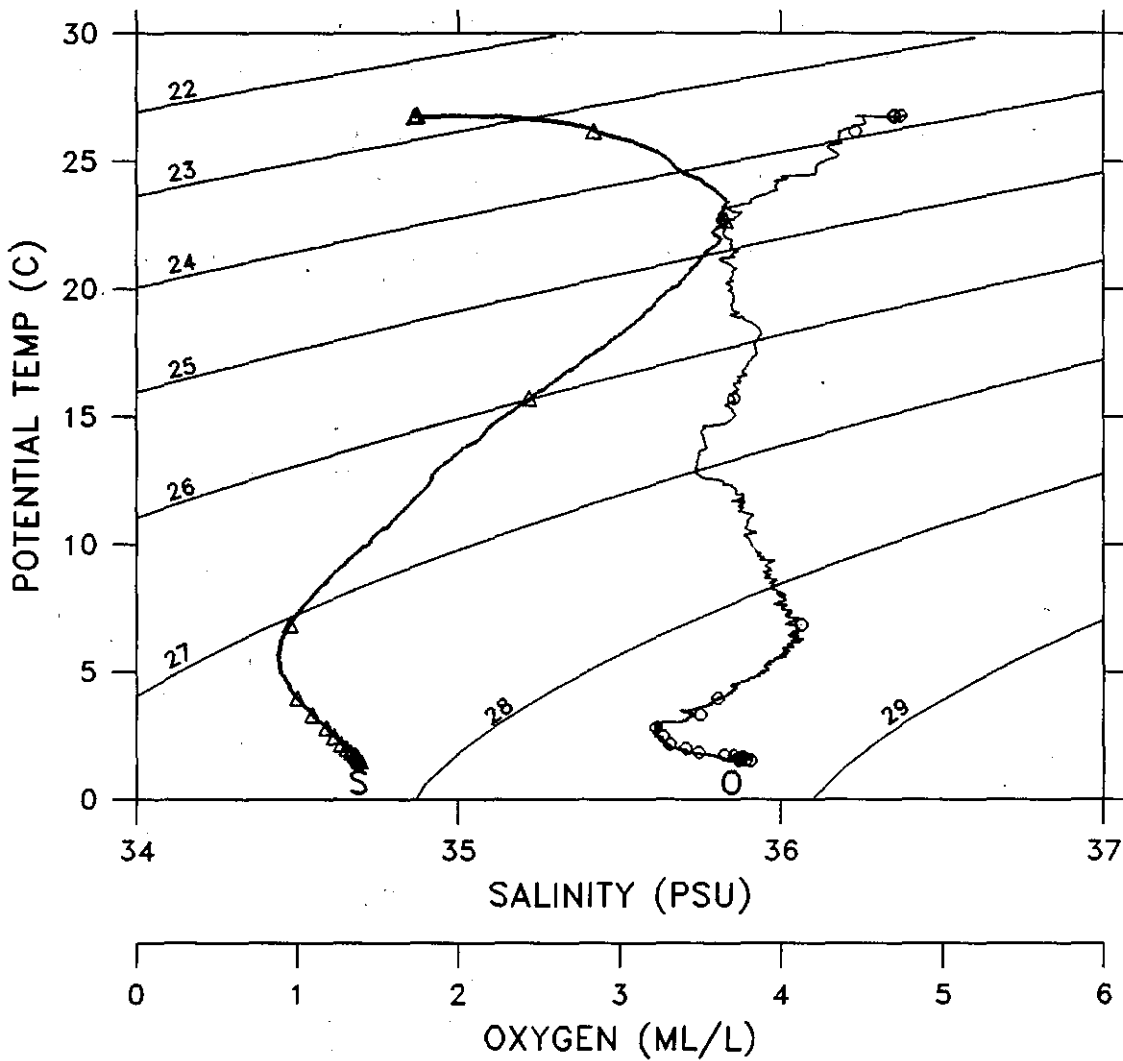


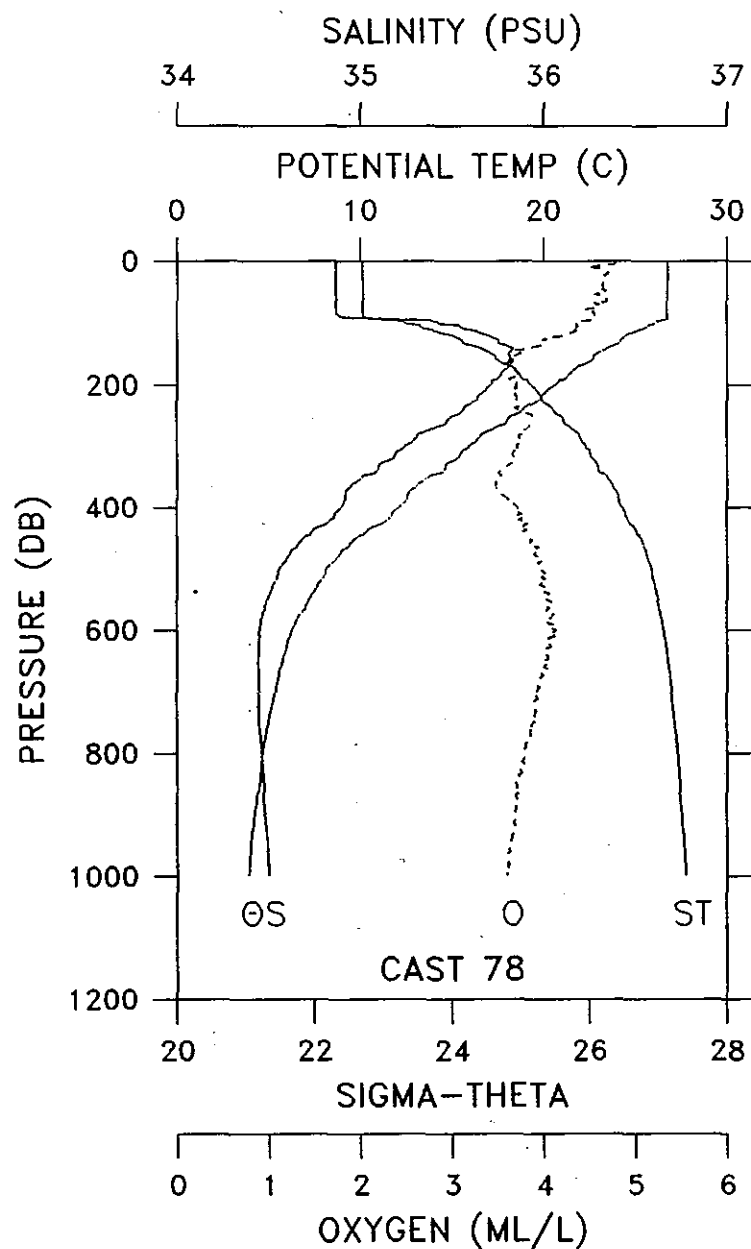


CAST TW2-87-OC-077 DATE 27 JUN 87 TIME 2148 GMT
 LAT 14 20.6S LONG 162 29.9E WEATHER 1 SEA STATE 3
 BAROMETER 15 WIND DIR 165 T SPD 18 KT VISIBILITY 9
 CLOUD 8 AMOUNT 4 DRY 26.2 WET 22.8 DEPTH 4083 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.827	34.957	4.53	22.743	0.000
10	26.824	34.957	4.54	22.743	0.051
20	26.825	34.957	4.59	22.743	0.102
30	26.824	34.958	4.61	22.744	0.153
40	26.824	34.958	4.63	22.744	0.204
50	26.822	34.958	4.67	22.745	0.256
60	26.821	34.958	4.67	22.745	0.307
70	26.821	34.959	4.59	22.746	0.358
80	26.822	34.959	4.50	22.746	0.409
90	26.820	34.962	4.53	22.749	0.461
100	26.076	35.387	4.33	23.304	0.509
110	25.872	35.542	4.13	23.484	0.555
120	25.269	35.728	3.93	23.811	0.598
130	24.534	35.744	3.86	24.047	0.639
140	23.960	35.790	3.88	24.253	0.677
150	23.294	35.797	3.84	24.454	0.713
160	23.117	35.811	3.77	24.517	0.748
170	22.666	35.815	3.70	24.649	0.782
180	22.128	35.812	3.73	24.800	0.815
190	21.305	35.775	3.72	25.002	0.846
200	20.726	35.731	3.72	25.127	0.876
250	18.378	35.503	3.71	25.564	1.013
300	15.377	35.202	3.74	26.045	1.128
350	12.764	34.923	3.42	26.381	1.221
400	10.189	34.699	3.59	26.685	1.299
450	9.192	34.622	3.76	26.792	1.368
500	8.126	34.556	3.85	26.907	1.431
550	7.146	34.493	3.96	27.000	1.490
600	6.668	34.470	3.98	27.047	1.546
650	6.086	34.451	3.95	27.108	1.600
700	5.548	34.439	3.96	27.166	1.650
750	5.158	34.440	3.91	27.213	1.698
800	4.838	34.444	3.83	27.253	1.744
900	4.330	34.476	3.71	27.335	1.830
1000	3.962	34.503	3.58	27.395	1.910
1010	3.942	34.503	3.59	27.397	1.918

CAST TW2-87-OC-078 DATE 28 JUN 87 TIME 0200 GMT
LAT 14 28.4S LONG 161 59.7E

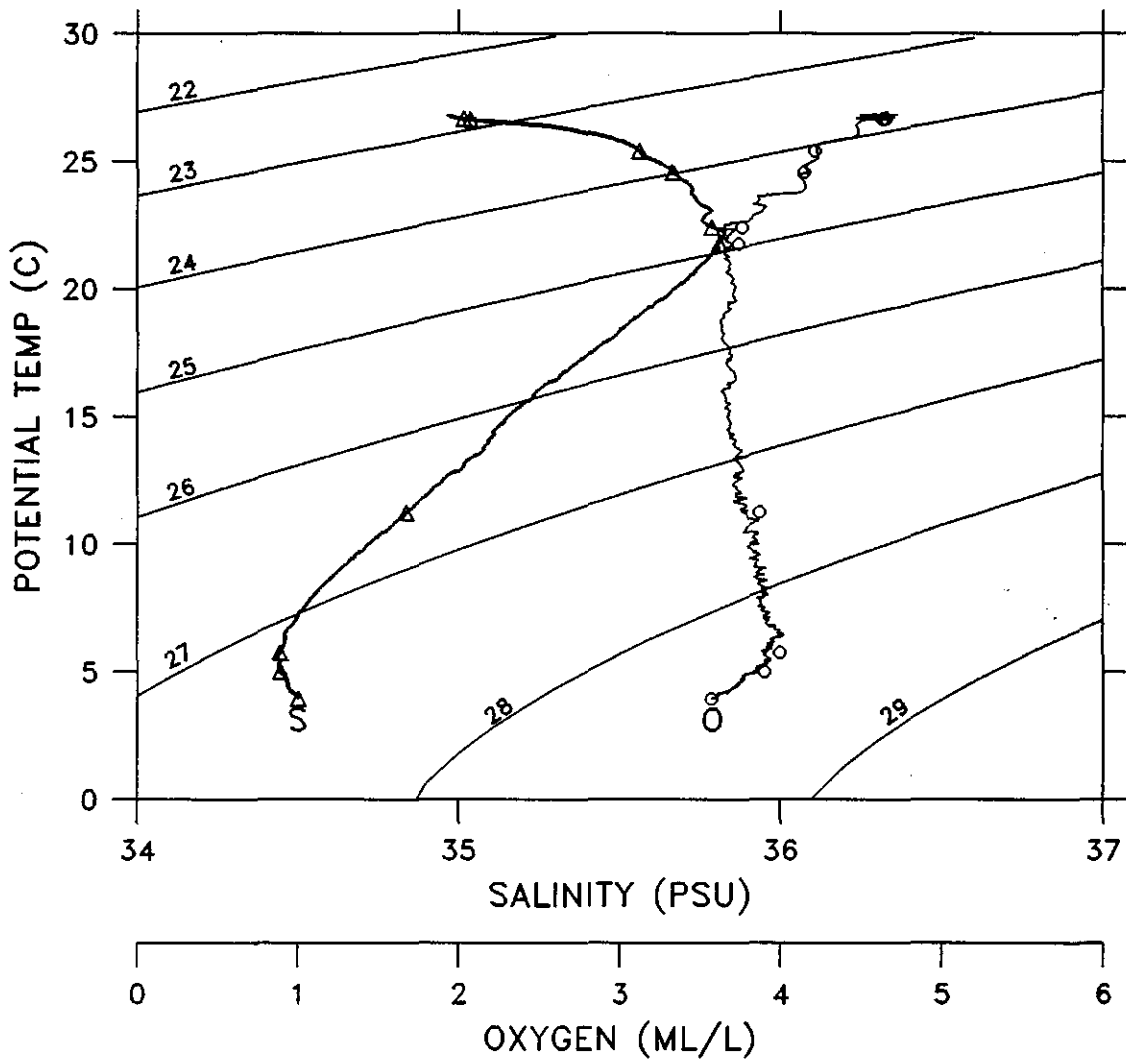


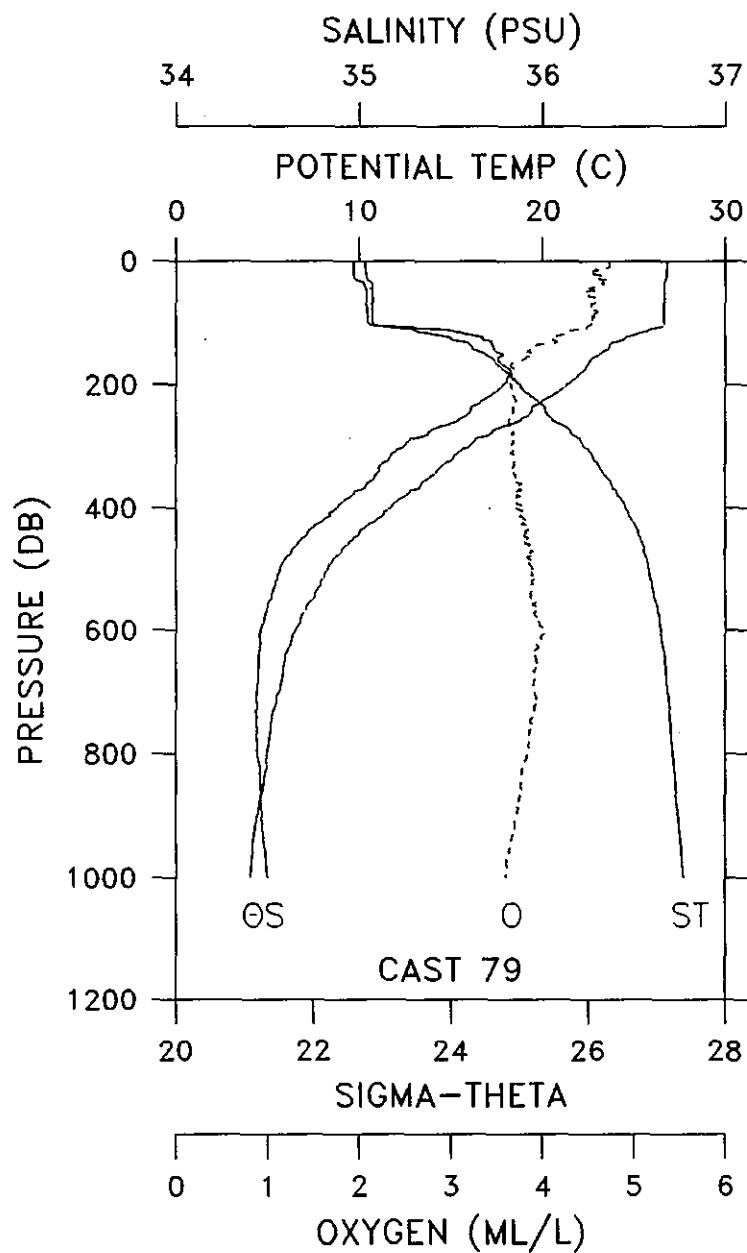


CAST TW2-87-OC-078 DATE 28 JUN 87 TIME 0200 GMT
 LAT 14 28.4S LONG 161 59.7E WEATHER 1 SEA STATE 5
 BAROMETER 14 WIND DIR 165 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 26.1 WET 23.2 DEPTH 3600 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.761	34.863	4.78	22.693	0.000
10	26.760	34.865	4.54	22.695	0.051
20	26.748	34.865	4.70	22.698	0.103
30	26.743	34.865	4.65	22.700	0.155
40	26.740	34.865	4.64	22.701	0.206
50	26.738	34.866	4.67	22.702	0.258
60	26.737	34.866	4.68	22.703	0.309
70	26.738	34.868	4.59	22.703	0.361
80	26.741	34.872	4.56	22.706	0.413
90	26.758	34.898	4.53	22.720	0.465
100	26.125	35.434	4.37	23.324	0.513
110	25.464	35.597	4.30	23.652	0.557
120	24.484	35.708	4.22	24.034	0.598
130	24.195	35.754	3.97	24.156	0.636
140	23.486	35.830	3.81	24.423	0.673
150	22.872	35.808	3.73	24.585	0.708
160	22.613	35.835	3.62	24.680	0.742
170	21.893	35.808	3.70	24.864	0.774
180	21.475	35.768	3.73	24.950	0.805
190	21.119	35.745	3.62	25.030	0.835
200	20.600	35.711	3.70	25.145	0.865
250	18.259	35.505	3.88	25.595	1.000
300	15.939	35.242	3.73	25.949	1.115
350	13.713	35.009	3.53	26.255	1.216
400	12.122	34.895	3.73	26.485	1.303
450	9.753	34.691	3.85	26.753	1.380
500	8.124	34.555	3.98	26.906	1.445
550	7.149	34.491	4.04	26.997	1.505
600	6.281	34.451	4.14	27.083	1.560
650	5.759	34.443	4.02	27.143	1.611
700	5.352	34.447	3.93	27.196	1.660
750	4.985	34.450	3.88	27.241	1.706
800	4.655	34.463	3.79	27.289	1.751
900	4.245	34.481	3.70	27.348	1.835
1000	3.913	34.503	3.59	27.400	1.913
1500	2.822	34.591	3.24	27.575	2.252
2000	2.192	34.638	3.28	27.666	2.536
2500	1.854	34.669	3.43	27.718	2.790
3000	1.649	34.690	3.61	27.750	3.030
3500	1.538	34.694	3.67	27.762	3.267
3628	1.530	34.694	3.69	27.763	3.328

CAST TW2-87-OC-079 DATE 28 JUN 87 TIME 0625 GMT
LAT 14 32.1S LONG 161 30.7E

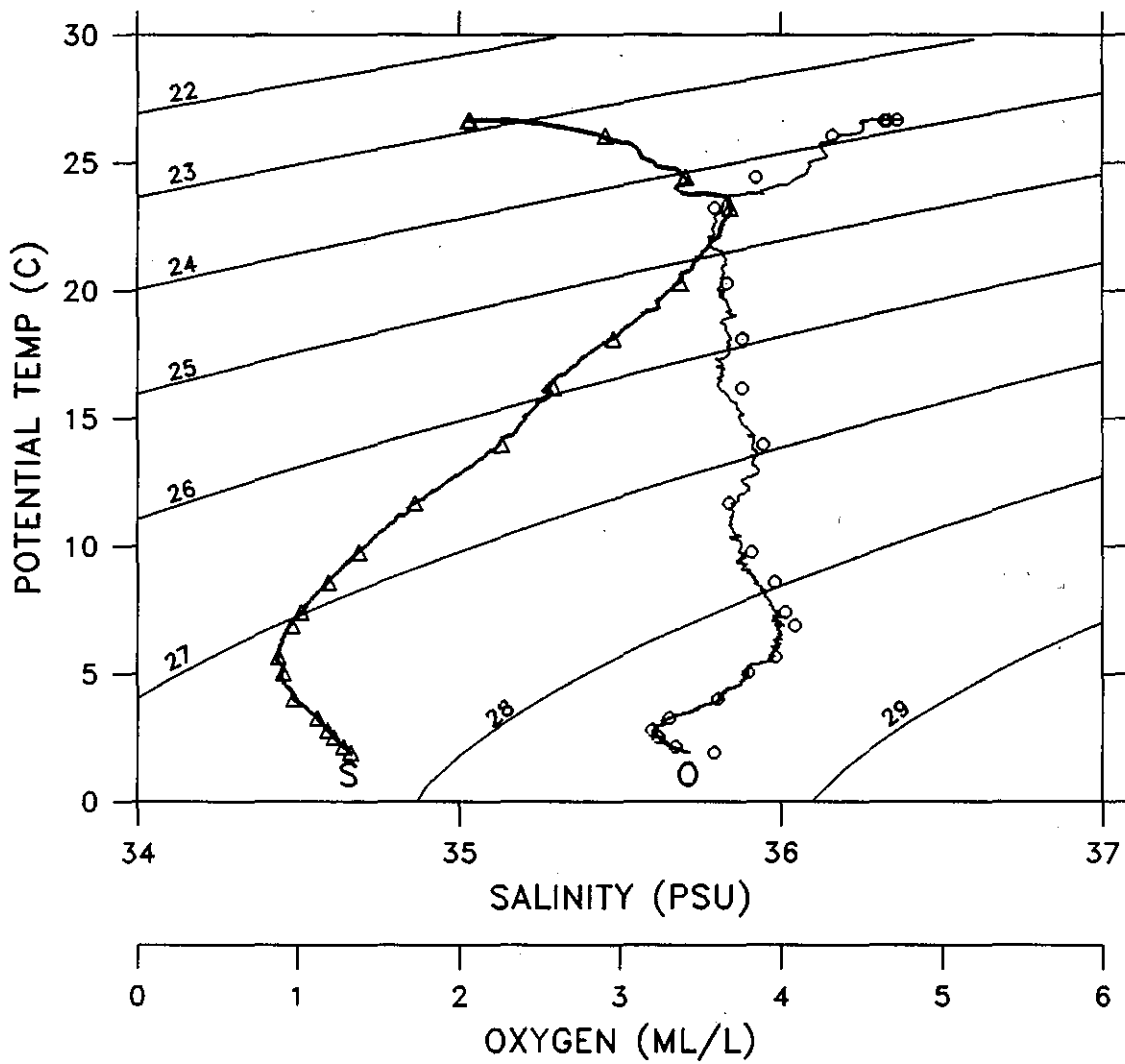


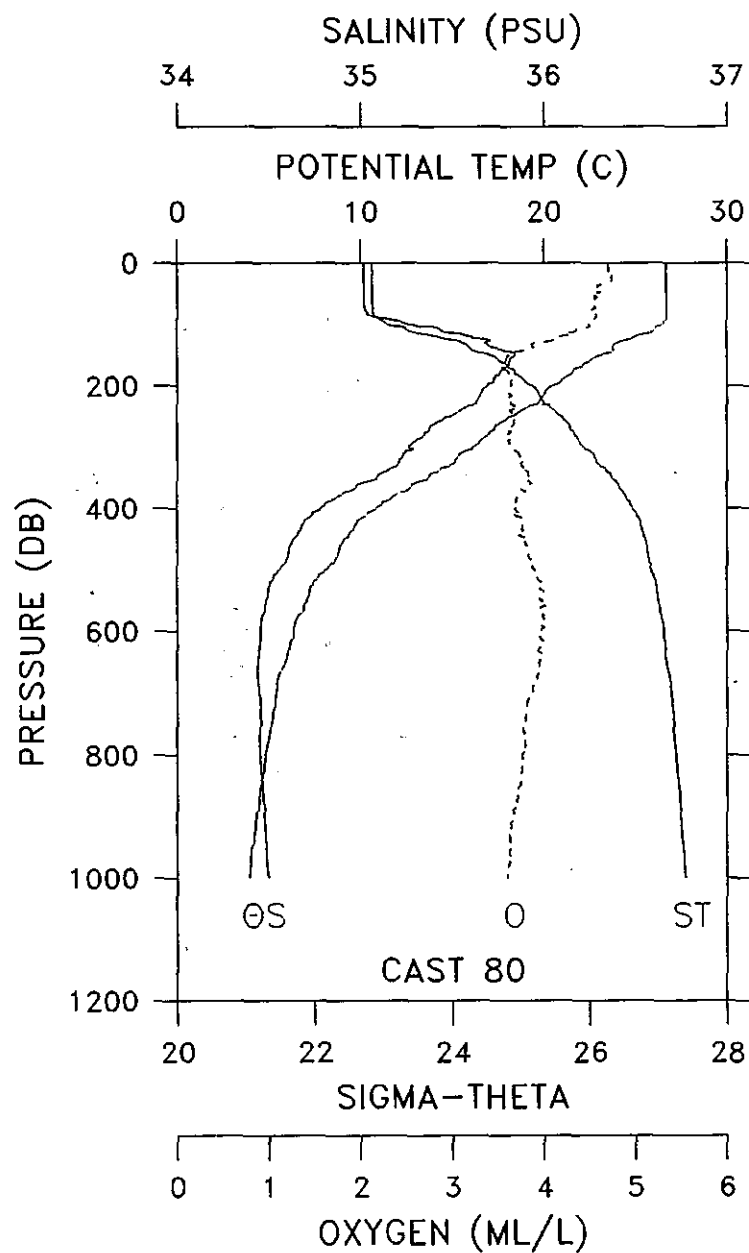


CAST TW2-87-OC-079 DATE 28 JUN 87 TIME 0625 GMT
 LAT 14 32.1S LONG 161 30.7E WEATHER 1 SEA STATE 2
 BAROMETER 13 WIND DIR 115 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 25.4 WET 22.0 DEPTH 4205 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.819	34.968	4.73	22.753	0.000
10	26.814	34.968	4.72	22.755	0.051
20	26.782	34.970	4.55	22.766	0.102
30	26.730	34.986	4.71	22.795	0.153
40	26.653	35.027	4.65	22.851	0.203
50	26.663	35.037	4.52	22.855	0.253
60	26.657	35.037	4.59	22.857	0.303
70	26.658	35.041	4.53	22.860	0.354
80	26.665	35.046	4.59	22.861	0.404
90	26.664	35.048	4.58	22.863	0.454
100	26.654	35.053	4.53	22.870	0.504
110	26.074	35.419	4.49	23.329	0.553
120	24.914	35.626	4.18	23.842	0.597
130	24.143	35.711	4.15	24.139	0.636
140	23.619	35.733	3.89	24.311	0.673
150	23.130	35.782	3.89	24.491	0.709
160	22.617	35.760	3.76	24.622	0.744
170	22.410	35.793	3.65	24.706	0.777
180	22.107	35.821	3.67	24.813	0.810
190	21.785	35.802	3.70	24.889	0.841
200	21.321	35.783	3.66	25.004	0.872
250	19.217	35.583	3.70	25.413	1.013
300	15.975	35.239	3.65	25.938	1.132
350	13.890	35.085	3.71	26.276	1.231
400	11.706	34.878	3.71	26.550	1.316
450	9.668	34.685	3.82	26.762	1.389
500	8.298	34.570	3.91	26.892	1.454
550	7.455	34.520	3.90	26.977	1.515
600	6.501	34.459	4.00	27.060	1.571
650	5.944	34.452	3.93	27.127	1.623
700	5.635	34.440	3.90	27.156	1.674
750	5.220	34.440	3.88	27.206	1.722
800	4.968	34.444	3.84	27.238	1.769
900	4.439	34.469	3.72	27.318	1.857
1000	4.000	34.501	3.59	27.389	1.938
1009	3.977	34.501	3.58	27.392	1.945

CAST TW2-87-OC-080 DATE 28 JUN 87 TIME 0957 GMT
LAT 14 32.4S LONG 160 58.2E

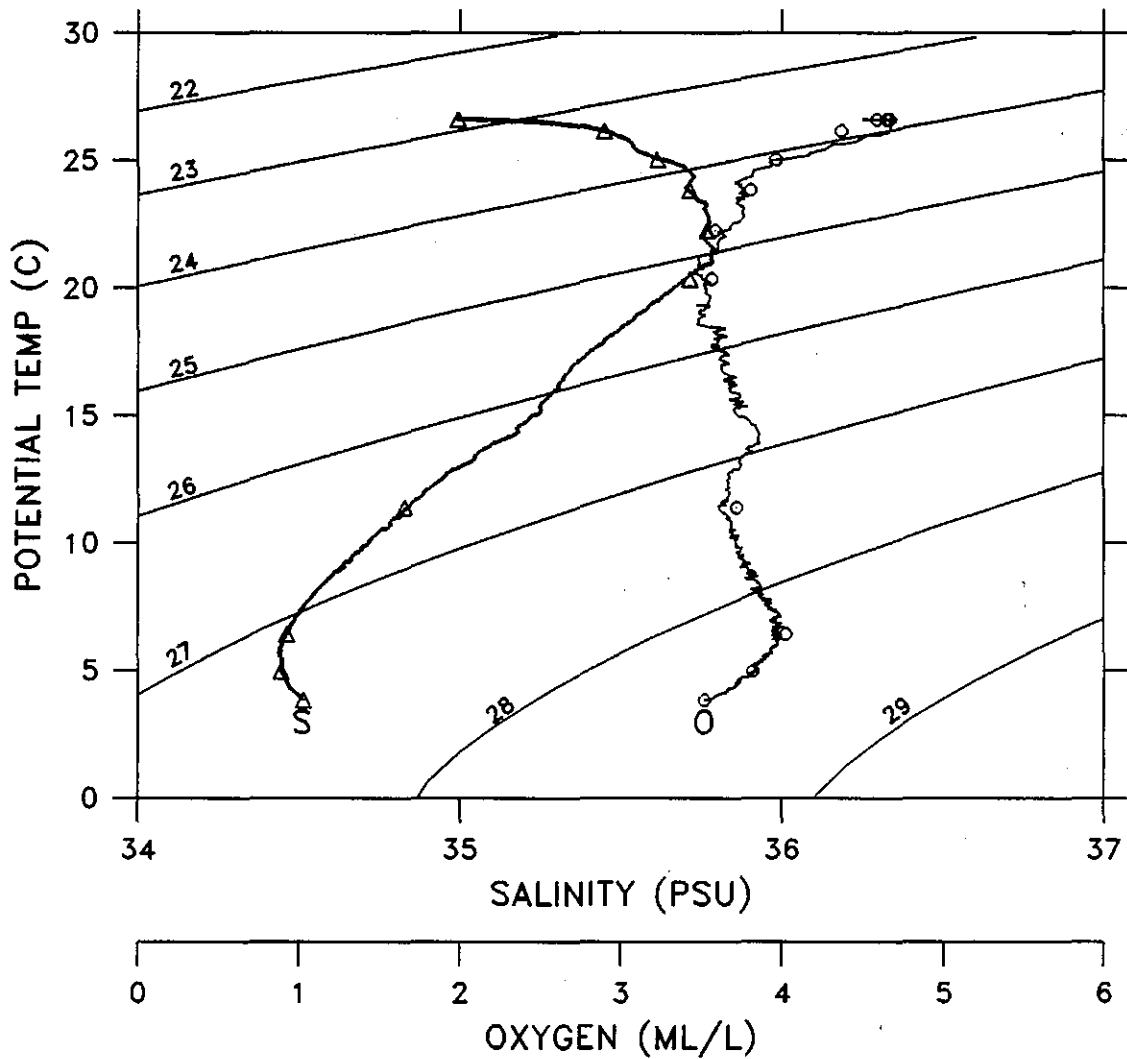


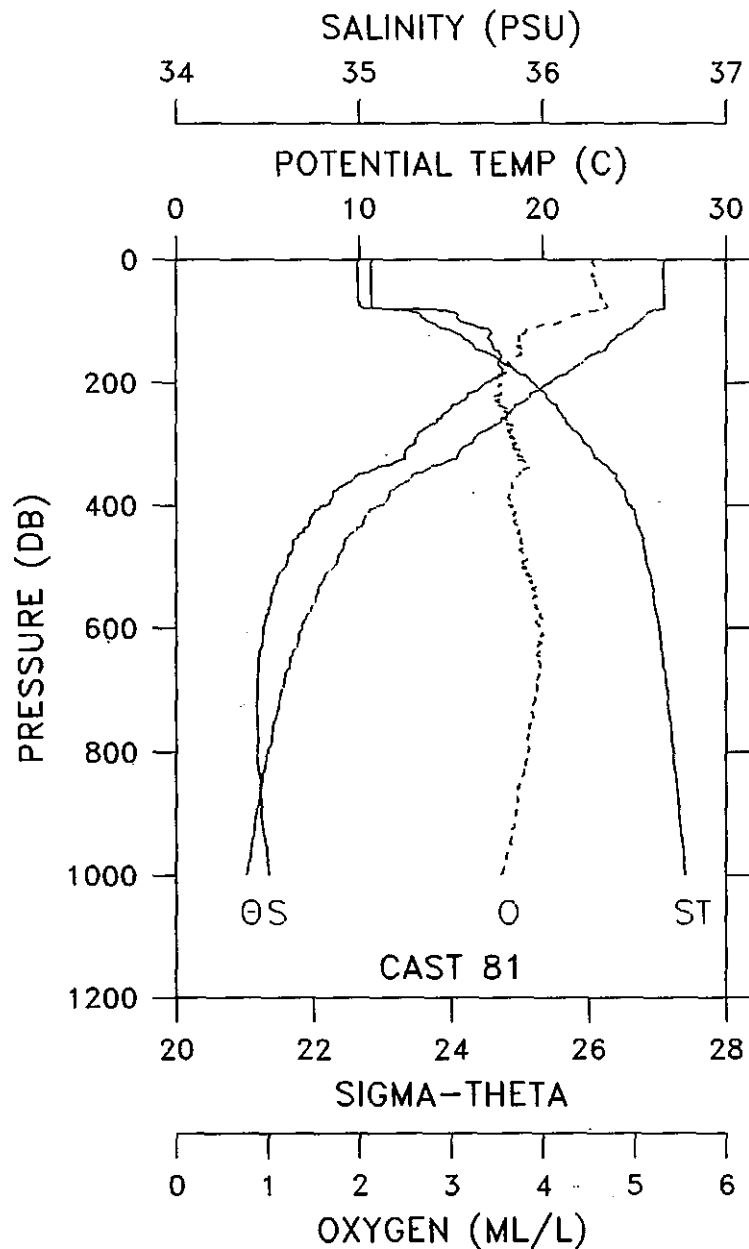


CAST TW2-87-OC-080 DATE 28 JUN 87 TIME 0957 GMT
 LAT 14 32.4S LONG 160 58.2E WEATHER 1 SEA STATE 2
 BAROMETER 15 WIND DIR 160 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 25.0 WET 22.0 DEPTH 2315 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.676	35.019	4.70	22.837	0.000
10	26.675	35.018	4.72	22.837	0.050
20	26.676	35.018	4.75	22.837	0.100
30	26.677	35.018	4.73	22.836	0.151
40	26.677	35.018	4.57	22.836	0.201
50	26.675	35.019	4.51	22.838	0.251
60	26.675	35.019	4.57	22.837	0.301
70	26.676	35.020	4.54	22.838	0.352
80	26.681	35.034	4.53	22.847	0.402
90	26.673	35.147	4.55	22.935	0.452
100	26.511	35.270	4.51	23.079	0.501
110	26.053	35.446	4.35	23.355	0.548
120	24.958	35.612	4.18	23.819	0.591
130	24.038	35.675	3.96	24.143	0.631
140	23.815	35.761	3.87	24.274	0.668
150	23.125	35.843	3.64	24.538	0.704
160	22.489	35.813	3.58	24.699	0.738
170	21.995	35.792	3.55	24.823	0.770
180	21.562	35.758	3.63	24.918	0.801
190	20.988	35.728	3.64	25.053	0.832
200	20.464	35.692	3.63	25.168	0.861
250	18.121	35.477	3.69	25.609	0.996
300	16.114	35.263	3.63	25.924	1.112
350	13.696	35.087	3.84	26.319	1.211
400	10.878	34.782	3.69	26.628	1.292
450	9.094	34.632	3.75	26.816	1.362
500	8.123	34.558	3.90	26.908	1.426
550	7.062	34.486	3.99	27.005	1.485
600	6.344	34.453	3.99	27.076	1.540
650	5.911	34.444	3.95	27.125	1.592
700	5.395	34.448	3.87	27.191	1.641
750	5.132	34.455	3.79	27.228	1.688
800	4.808	34.452	3.76	27.263	1.733
900	4.355	34.477	3.64	27.333	1.819
1000	3.935	34.498	3.61	27.394	1.899
1500	2.784	34.595	3.21	27.581	2.233
2000	2.115	34.647	3.33	27.680	2.510
2381	1.920	34.665	3.42	27.710	2.702

CAST TW2-87-OC-081 DATE 28 JUN 87 TIME 1347 GMT
LAT 14 30.7S LONG 160 29.9E



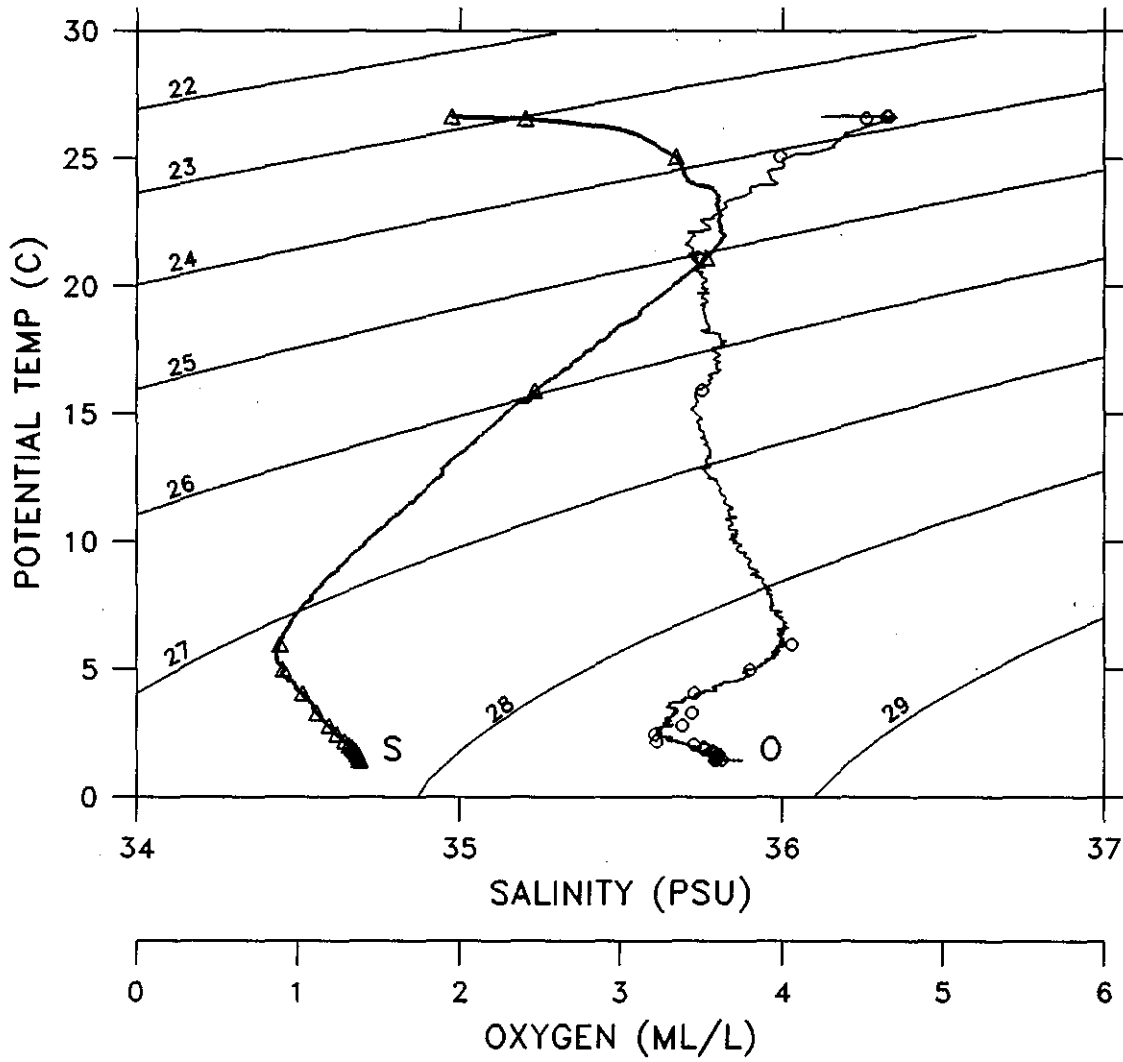


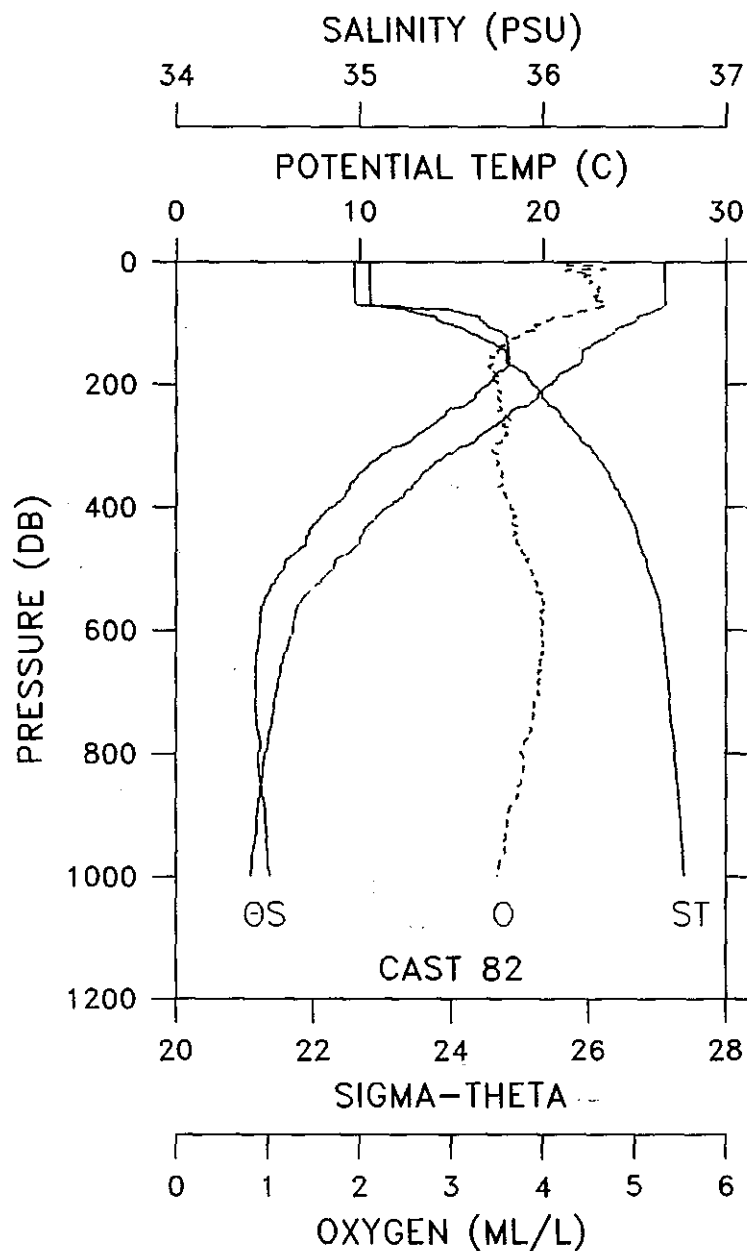
CAST TW2-87-OC-081 DATE 28 JUN 87 TIME 1347 GMT
 LAT 14 30.7S LONG 160 29.9E WEATHER 1 SEA STATE 2
 BAROMETER 15 WIND DIR 140 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 24.4 WET 22.5 DEPTH 2630 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.608	34.992	4.54	22.839	0.000
10	26.605	34.993	4.57	22.840	0.050
20	26.599	34.994	4.55	22.842	0.100
30	26.599	34.994	4.50	22.842	0.150
40	26.608	34.993	4.58	22.839	0.201
50	26.608	34.993	4.60	22.839	0.251
60	26.607	34.995	4.64	22.841	0.301
70	26.614	35.005	4.68	22.846	0.352
80	26.491	35.270	4.68	23.085	0.402
90	25.635	35.535	4.35	23.552	0.447
100	25.312	35.565	4.20	23.675	0.490
110	24.947	35.655	3.94	23.854	0.532
120	24.250	35.719	3.76	24.113	0.571
130	23.861	35.704	3.76	24.217	0.609
140	23.530	35.731	3.72	24.335	0.646
150	23.123	35.758	3.76	24.475	0.682
160	22.404	35.767	3.68	24.688	0.716
170	22.022	35.756	3.65	24.788	0.748
180	21.492	35.786	3.58	24.958	0.780
190	20.810	35.747	3.50	25.115	0.810
200	20.312	35.696	3.52	25.211	0.838
250	18.107	35.461	3.66	25.600	0.970
300	16.000	35.300	3.68	25.979	1.086
350	12.906	34.990	3.74	26.405	1.183
400	11.010	34.815	3.67	26.630	1.264
450	9.469	34.663	3.73	26.778	1.335
500	8.617	34.593	3.79	26.860	1.401
550	7.617	34.520	3.92	26.953	1.462
600	6.850	34.478	4.00	27.029	1.520
650	6.243	34.451	3.95	27.088	1.575
700	5.750	34.442	3.94	27.143	1.627
750	5.377	34.444	3.87	27.190	1.676
800	4.993	34.442	3.85	27.234	1.723
900	4.398	34.467	3.71	27.320	1.811
1000	3.866	34.511	3.56	27.411	1.891
1011	3.842	34.513	3.52	27.415	1.899

CAST TW2-87-OC-082 DATE 28 JUN 87 TIME 1835 GMT

LAT 14 30.6S LONG 160 00.8E

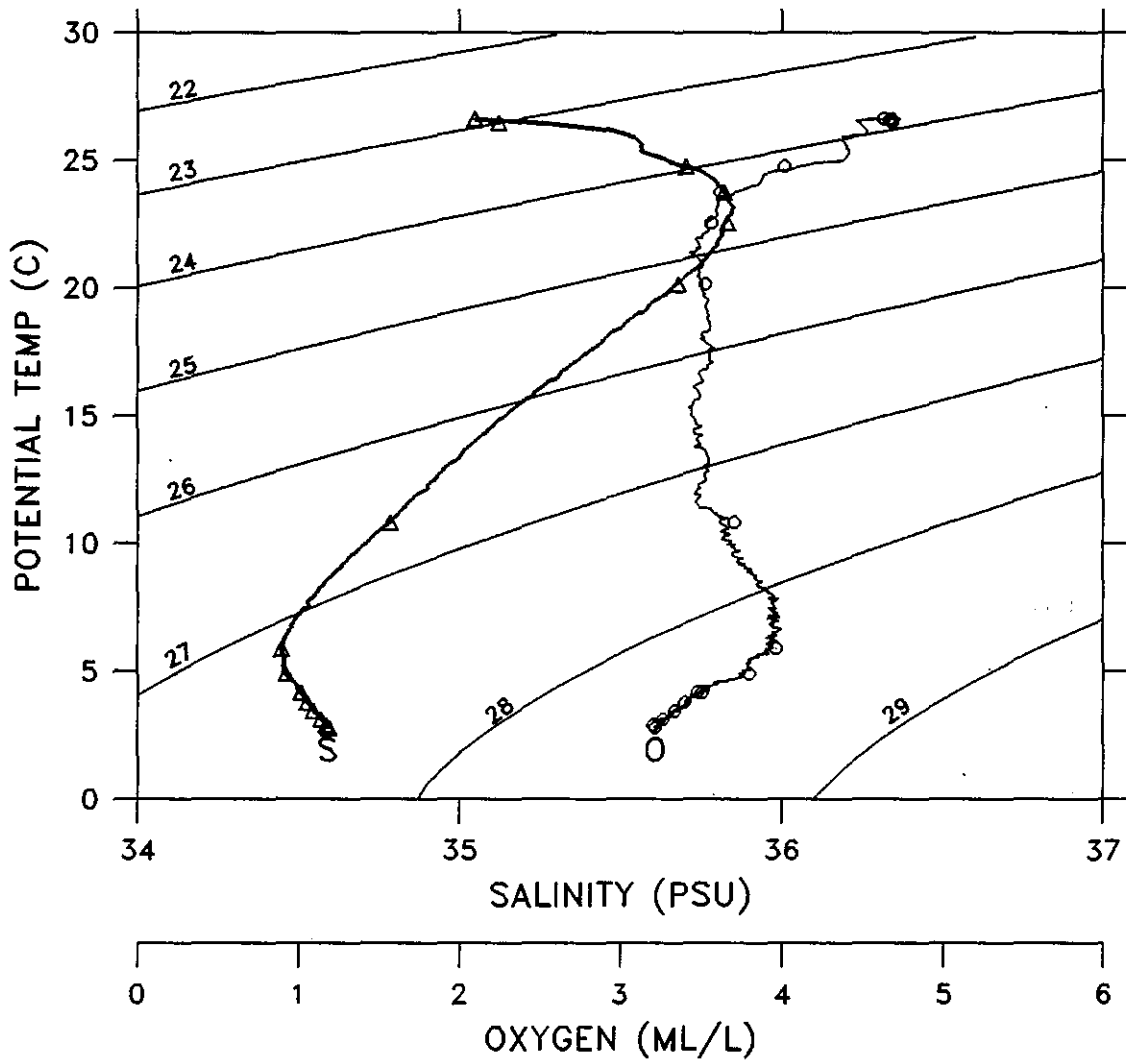


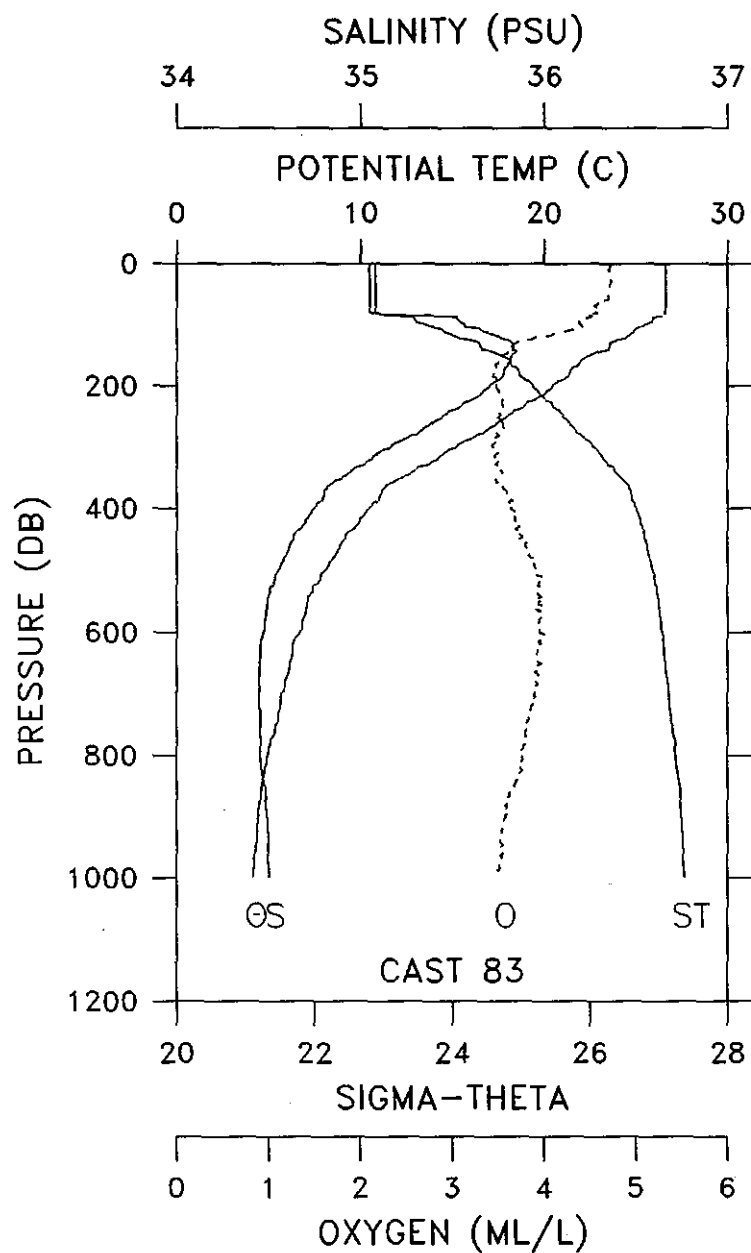


CAST TW2-87-OC-082 DATE 28 JUN 87 TIME 1835 GMT
 LAT 14 30.6S LONG 160 00.8E WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 150 T SPD 10 KT VISIBILITY 9
 CLOUD 8 AMOUNT 2 DRY 23.9 WET 20.3 DEPTH 5005 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.640	34.973	4.26	22.814	0.000
10	26.642	34.973	4.68	22.813	0.050
20	26.641	34.973	4.52	22.814	0.101
30	26.638	34.973	4.48	22.814	0.151
40	26.640	34.973	4.57	22.814	0.202
50	26.638	34.973	4.61	22.814	0.252
60	26.640	34.973	4.64	22.813	0.303
70	26.630	35.025	4.71	22.856	0.353
80	26.028	35.529	4.42	23.426	0.401
90	25.185	35.656	4.14	23.783	0.444
100	24.767	35.689	4.01	23.934	0.485
110	23.987	35.733	3.96	24.202	0.524
120	23.526	35.805	3.76	24.393	0.561
130	23.049	35.801	3.65	24.529	0.596
140	22.463	35.808	3.51	24.702	0.630
150	22.131	35.809	3.51	24.798	0.662
160	22.118	35.812	3.44	24.804	0.694
170	21.734	35.807	3.43	24.908	0.726
180	21.082	35.761	3.47	25.052	0.756
190	20.730	35.730	3.51	25.125	0.785
200	20.486	35.706	3.50	25.172	0.814
250	18.155	35.469	3.58	25.594	0.948
300	15.681	35.228	3.47	25.997	1.063
350	13.357	34.989	3.54	26.313	1.160
400	11.552	34.856	3.64	26.562	1.245
450	10.020	34.709	3.70	26.722	1.319
500	8.591	34.590	3.84	26.862	1.386
550	6.946	34.481	4.00	27.018	1.446
600	6.380	34.456	3.99	27.074	1.500
650	5.858	34.439	3.97	27.127	1.552
700	5.450	34.436	3.96	27.175	1.602
750	5.236	34.440	3.88	27.204	1.650
800	4.870	34.450	3.77	27.254	1.696
900	4.413	34.487	3.62	27.334	1.782
1000	4.071	34.511	3.49	27.390	1.863
1500	2.822	34.591	3.31	27.574	2.205
2000	2.220	34.641	3.31	27.666	2.490
2500	1.875	34.669	3.48	27.717	2.745
3000	1.677	34.682	3.56	27.742	2.989
3500	1.479	34.687	3.59	27.761	3.227
4000	1.460	34.687	3.61	27.762	3.470
4500	1.454	34.687	3.67	27.763	3.724
5000	1.451	34.687	3.74	27.762	3.990
5028	1.451	34.687	3.73	27.762	4.006

CAST TW2-87-OC-083 DATE 28 JUN 87 TIME 2330 GMT
LAT 14 30.5S LONG 159 30.1E

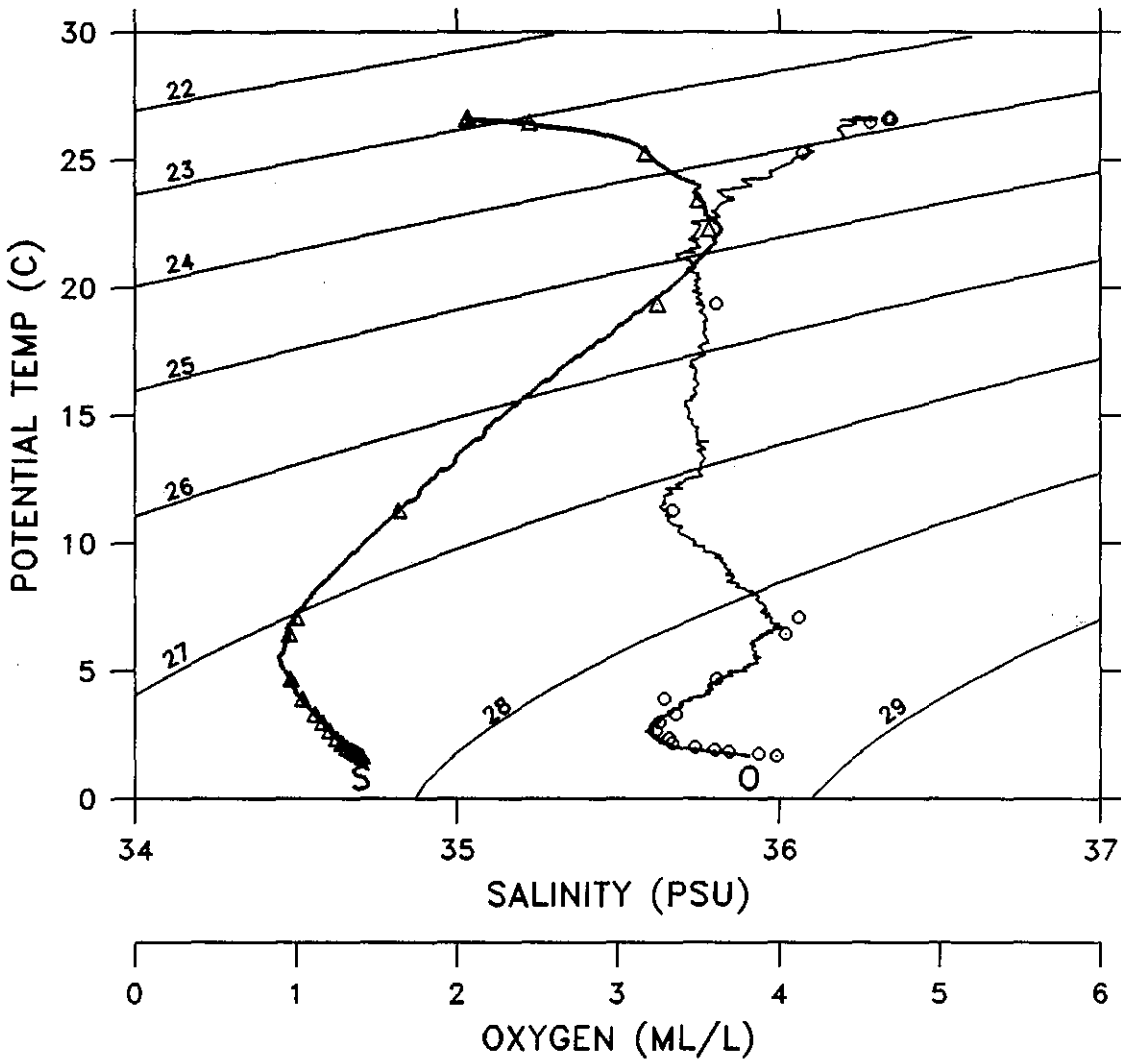


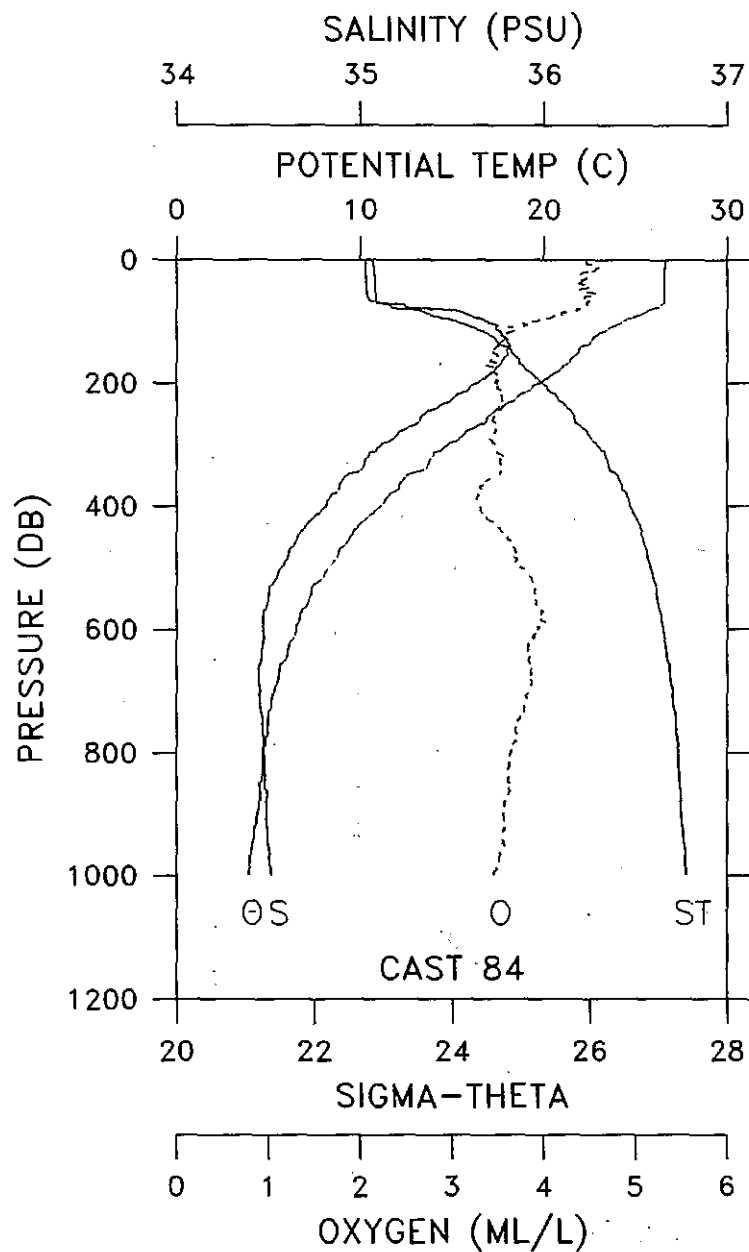


CAST TW2-87-OC-083 DATE 28 JUN 87 TIME 2330 GMT
 LAT 14 30.5S LONG 159 30.1E WEATHER 1 SEA STATE 3
 BAROMETER 16 WIND DIR 125 T SPD 12 KT VISIBILITY 9
 CLOUD 8 AMOUNT 3 DRY 25.0 WET 21.0 DEPTH 1496 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.614	35.047	4.72	22.878	0.000
10	26.609	35.047	4.70	22.879	0.050
20	26.608	35.048	4.72	22.880	0.100
30	26.607	35.048	4.73	22.880	0.149
40	26.608	35.048	4.72	22.881	0.199
50	26.607	35.048	4.71	22.881	0.249
60	26.605	35.048	4.65	22.882	0.299
70	26.606	35.047	4.55	22.881	0.349
80	26.604	35.050	4.57	22.883	0.399
90	25.942	35.526	4.45	23.450	0.446
100	25.507	35.567	4.40	23.616	0.490
110	24.902	35.662	4.25	23.873	0.532
120	24.483	35.764	3.92	24.078	0.572
130	23.613	35.825	3.69	24.382	0.609
140	23.493	35.830	3.61	24.422	0.645
150	22.497	35.823	3.54	24.704	0.679
160	21.969	35.811	3.51	24.844	0.711
170	21.552	35.792	3.50	24.946	0.743
180	21.390	35.781	3.46	24.983	0.773
190	20.955	35.749	3.51	25.078	0.803
200	20.472	35.702	3.48	25.173	0.832
250	18.010	35.448	3.50	25.614	0.965
300	15.230	35.162	3.44	26.047	1.078
350	12.326	34.902	3.50	26.451	1.170
400	10.486	34.749	3.63	26.672	1.247
450	9.146	34.634	3.76	26.809	1.316
500	8.030	34.549	3.91	26.916	1.380
550	7.126	34.494	3.94	27.003	1.439
600	6.670	34.471	3.95	27.048	1.495
650	6.172	34.450	3.97	27.096	1.548
700	5.718	34.448	3.91	27.152	1.600
750	5.395	34.456	3.82	27.197	1.649
800	4.960	34.457	3.77	27.250	1.695
900	4.454	34.492	3.59	27.334	1.782
1000	4.154	34.505	3.49	27.377	1.863
1498	2.792	34.595	3.22	27.581	2.199

CAST TW2-87-OC-084 DATE 29 JUN 87 TIME 0358 GMT
LAT 14 31.2S LONG 159 00.0E

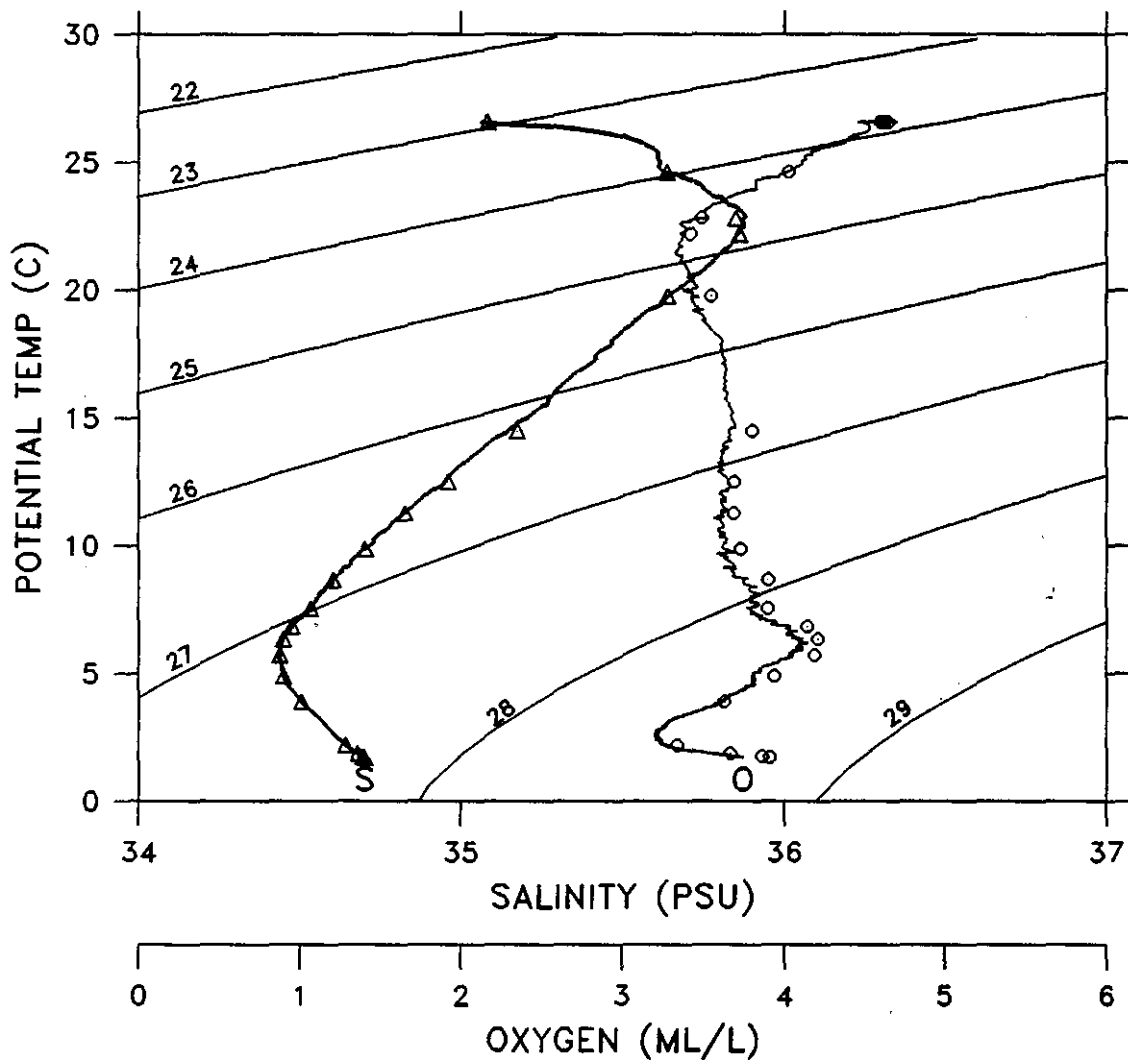


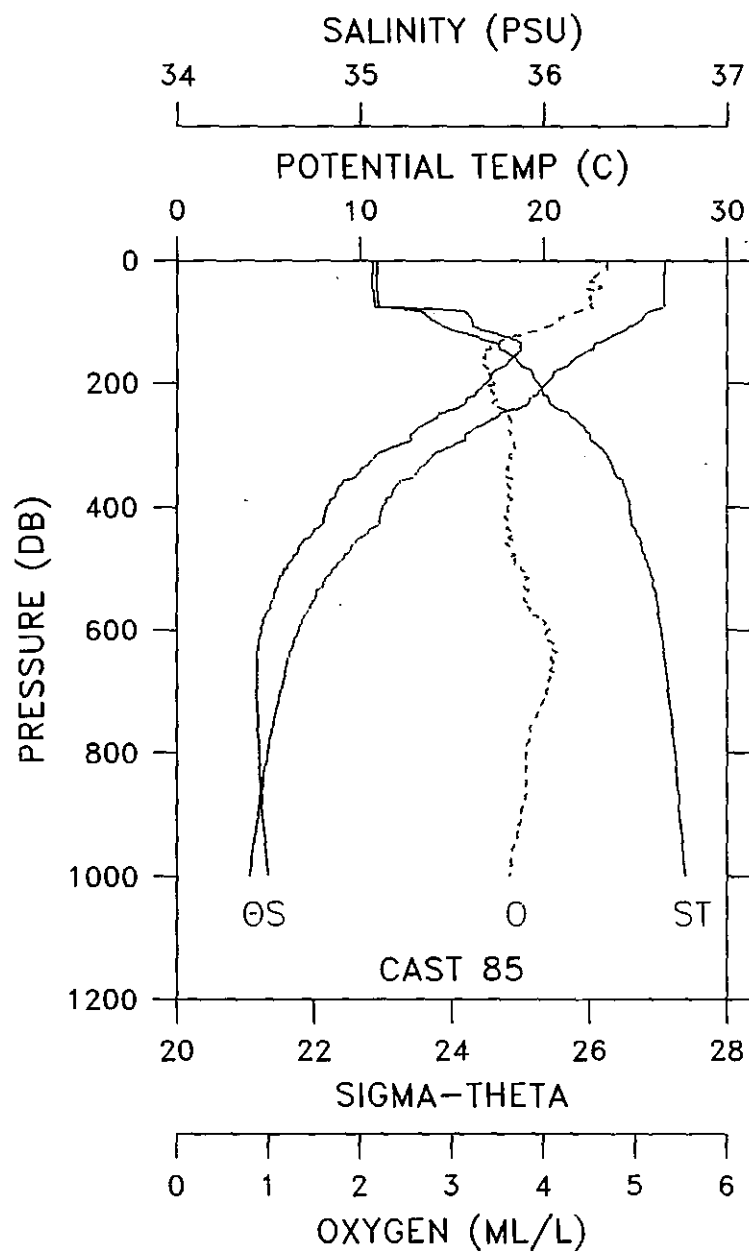


CAST TW2-87-OC-084 DATE 29 JUN 87 TIME 0358 GMT
 LAT 14 31.2S LONG 159 00.0E WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 160 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 26.1 WET 23.2 DEPTH 2991 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.670	35.030	4.47	22.848	0.000
10	26.629	35.029	4.61	22.859	0.050
20	26.588	35.029	4.48	22.872	0.100
30	26.576	35.030	4.47	22.877	0.150
40	26.569	35.032	4.40	22.881	0.200
50	26.563	35.033	4.42	22.883	0.250
60	26.560	35.040	4.49	22.890	0.299
70	26.542	35.129	4.46	22.962	0.349
80	26.101	35.422	4.39	23.322	0.397
90	25.314	35.591	4.22	23.694	0.441
100	24.304	35.698	3.95	24.081	0.481
110	23.665	35.738	3.64	24.301	0.519
120	22.971	35.772	3.58	24.529	0.554
130	22.653	35.803	3.57	24.644	0.588
140	22.160	35.816	3.49	24.794	0.621
150	21.871	35.797	3.44	24.861	0.653
160	21.466	35.780	3.44	24.961	0.684
170	21.229	35.765	3.37	25.015	0.714
180	20.791	35.734	3.45	25.111	0.744
190	20.262	35.682	3.48	25.213	0.773
200	19.759	35.633	3.52	25.309	0.800
250	17.116	35.351	3.45	25.757	0.926
300	14.747	35.113	3.46	26.115	1.034
350	12.577	34.927	3.48	26.421	1.127
400	11.234	34.813	3.30	26.588	1.208
450	9.472	34.662	3.62	26.777	1.279
500	8.249	34.566	3.77	26.896	1.345
550	7.243	34.501	3.92	26.992	1.404
600	6.486	34.471	3.92	27.072	1.460
650	5.903	34.460	3.83	27.139	1.512
700	5.305	34.451	3.84	27.205	1.560
750	4.973	34.467	3.70	27.256	1.606
800	4.735	34.478	3.65	27.292	1.650
900	4.413	34.492	3.56	27.338	1.735
1000	3.936	34.516	3.45	27.408	1.814
1500	2.827	34.591	3.20	27.574	2.150
2000	2.190	34.642	3.28	27.670	2.431
2500	1.886	34.676	3.52	27.721	2.683
3000	1.685	34.702	3.79	27.757	2.923
3013	1.679	34.703	3.81	27.758	2.929

CAST TW2-87-0C-085 DATE 29 JUN 87 TIME 1203 GMT
LAT 14 30.5S LONG 158 00.0E

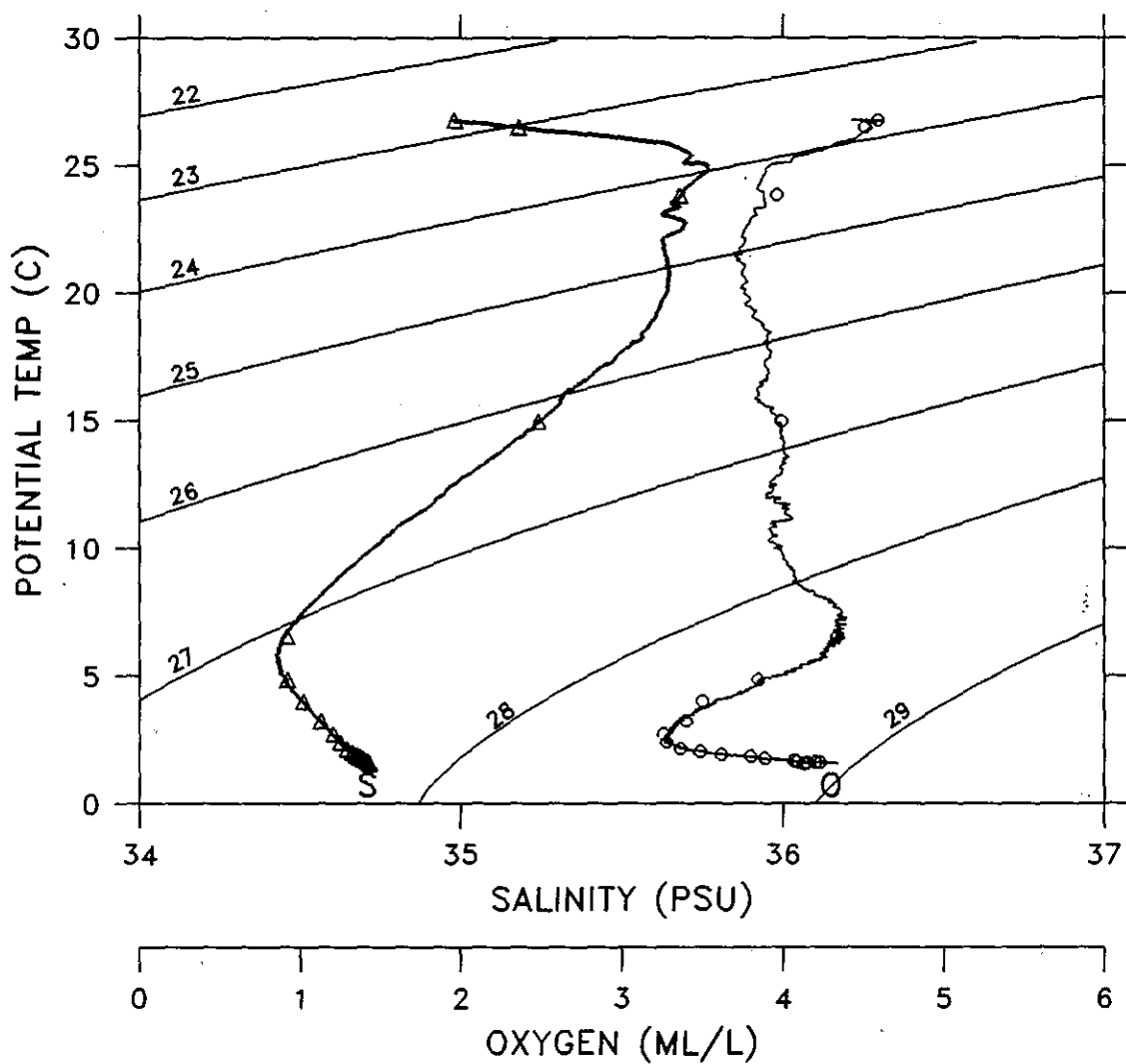


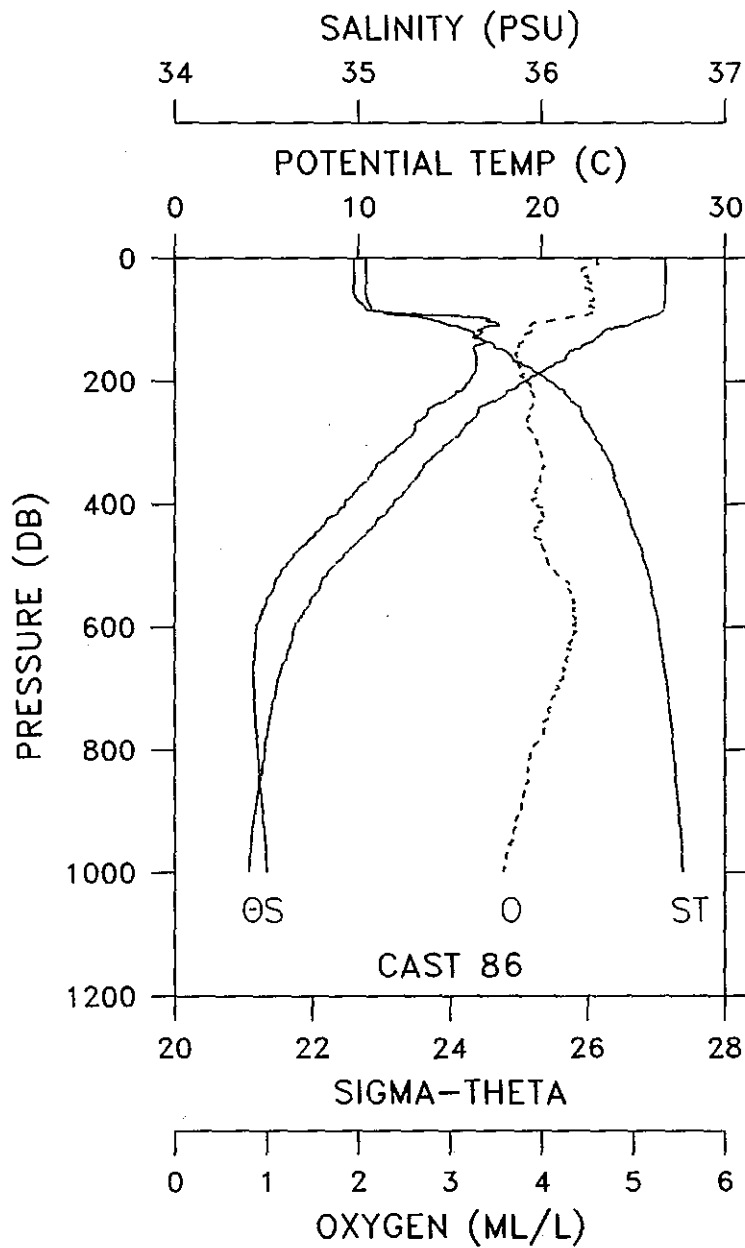


CAST TW2-87-0C-085 DATE 29 JUN 87 TIME 1203 GMT
 LAT 14 30.5S LONG 158 00.0E WEATHER 1 SEA STATE 2
 BAROMETER 17 WIND DIR 140 T SPD 08 KT VISIBILITY 7
 CLOUD X AMOUNT 2 DRY 24.4 WET 19.3 DEPTH 2884 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.577	35.067	4.69	22.905	0.000
10	26.572	35.066	4.68	22.905	0.049
20	26.566	35.064	4.60	22.906	0.099
30	26.573	35.067	4.56	22.906	0.149
40	26.571	35.067	4.56	22.906	0.198
50	26.565	35.073	4.53	22.913	0.248
60	26.555	35.075	4.51	22.918	0.297
70	26.538	35.077	4.52	22.924	0.347
80	26.102	35.468	4.47	23.357	0.396
90	25.515	35.597	4.22	23.637	0.439
100	25.112	35.613	4.13	23.772	0.482
110	24.586	35.639	4.01	23.952	0.523
120	23.922	35.754	3.80	24.237	0.561
130	23.306	35.842	3.55	24.485	0.598
140	22.718	35.871	3.41	24.677	0.631
150	22.298	35.861	3.38	24.789	0.664
160	21.709	35.830	3.37	24.931	0.696
170	21.381	35.800	3.34	25.000	0.726
180	20.620	35.731	3.41	25.155	0.756
190	20.471	35.713	3.43	25.182	0.784
200	20.134	35.679	3.46	25.245	0.812
250	17.594	35.429	3.62	25.701	0.944
300	15.052	35.212	3.67	26.125	1.053
350	12.931	34.981	3.60	26.393	1.144
400	11.254	34.819	3.61	26.589	1.224
450	9.950	34.712	3.61	26.736	1.299
500	8.504	34.585	3.75	26.871	1.366
550	7.528	34.527	3.79	26.972	1.426
600	6.652	34.463	4.06	27.043	1.483
650	6.040	34.439	4.10	27.104	1.537
700	5.687	34.435	4.03	27.145	1.588
750	5.275	34.443	3.89	27.201	1.637
800	4.939	34.450	3.81	27.246	1.684
900	4.460	34.467	3.76	27.314	1.771
1000	3.953	34.499	3.63	27.393	1.852
1500	2.817	34.592	3.23	27.576	2.191
2000	2.187	34.643	3.28	27.671	2.472
2500	1.879	34.679	3.54	27.724	2.723
2896	1.723	34.699	3.74	27.752	2.912

CAST TW2-87-OC-086 DATE 29 JUN 87 TIME 1841 GMT
LAT 14 30.0S LONG 157 00.2E

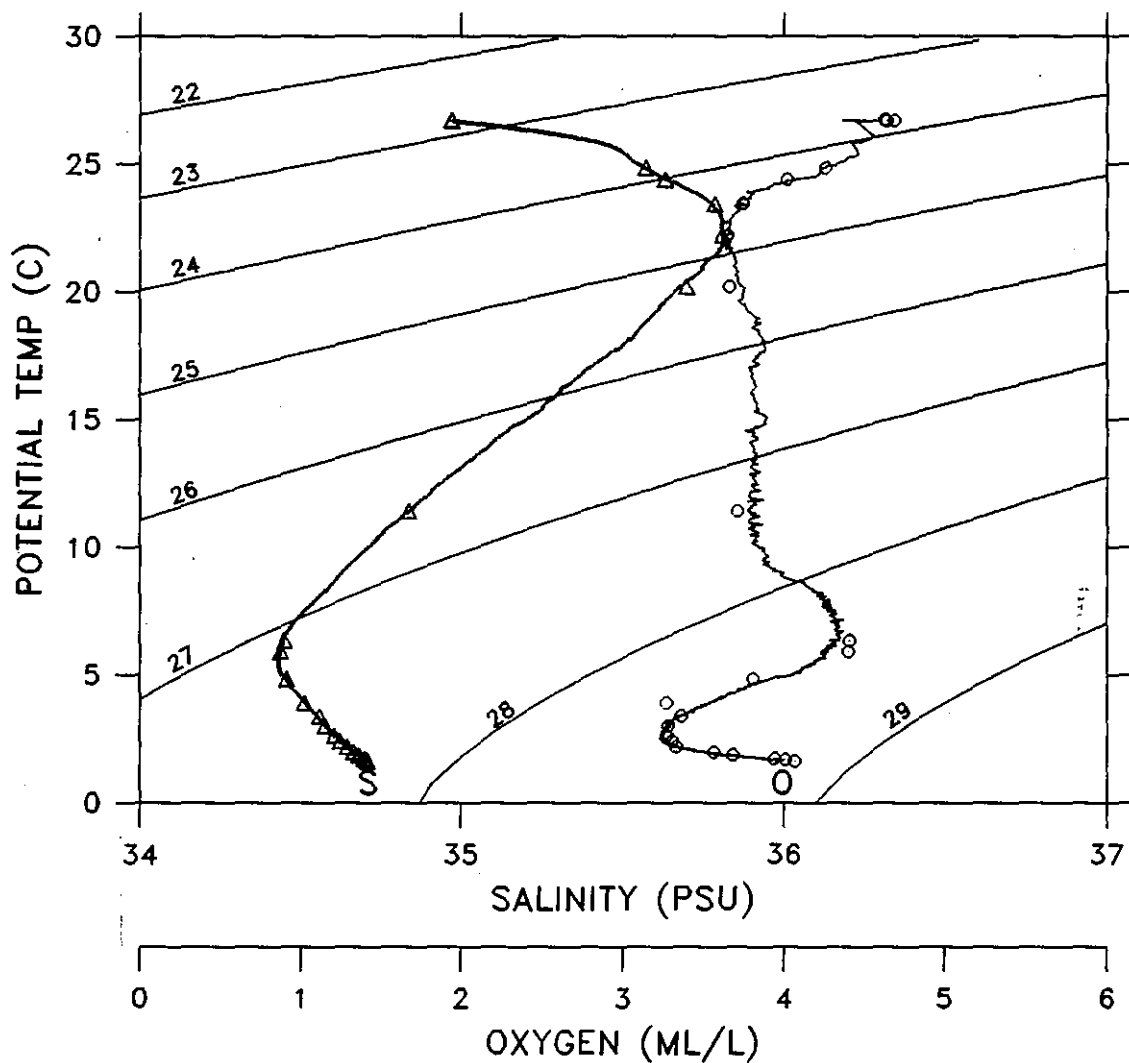


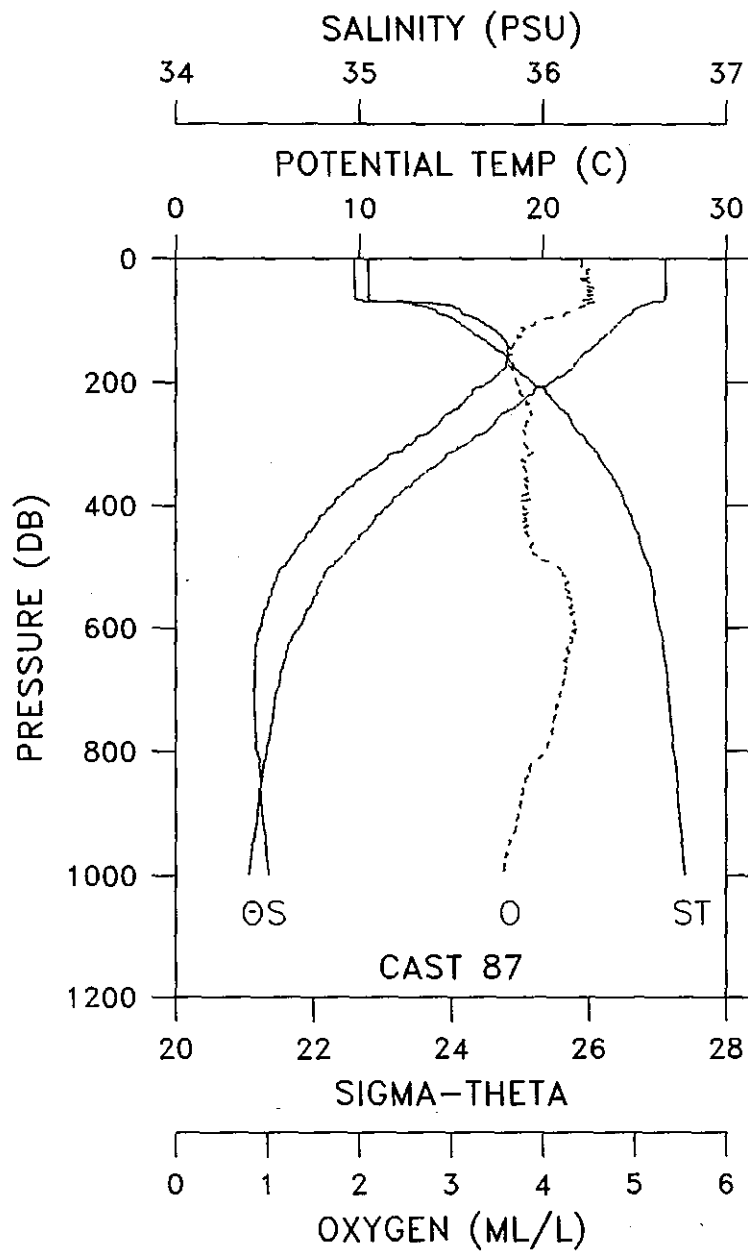


CAST TW2-87-OC-086 DATE 29 JUN 87 TIME 1841 GMT
 LAT 14 30.0S LONG 157 00.2E WEATHER 2 SEA STATE 3
 BAROMETER 16 WIND DIR 160 T SPD 15 KT VISIBILITY 8
 CLOUD 8 AMOUNT 6 DRY 23.9 WET 20.6 DEPTH 4450 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.757	34.976	4.61	22.779	0.000
10	26.758	34.976	4.62	22.779	0.051
20	26.759	34.976	4.44	22.778	0.101
30	26.760	34.975	4.49	22.778	0.152
40	26.762	34.976	4.54	22.777	0.203
50	26.761	34.976	4.53	22.778	0.254
60	26.752	34.986	4.59	22.788	0.305
70	26.734	35.004	4.51	22.807	0.356
80	26.681	35.037	4.55	22.849	0.406
90	26.421	35.231	4.52	23.078	0.456
100	25.437	35.716	4.15	23.751	0.501
110	24.802	35.771	3.90	23.986	0.541
120	23.362	35.678	3.89	24.344	0.579
130	22.996	35.644	3.82	24.425	0.615
140	22.337	35.661	3.75	24.626	0.649
150	21.662	35.633	3.74	24.795	0.683
160	21.319	35.640	3.73	24.895	0.714
170	20.797	35.648	3.75	25.044	0.745
180	20.236	35.641	3.74	25.190	0.774
190	19.613	35.625	3.78	25.341	0.802
200	19.087	35.606	3.81	25.464	0.828
250	16.541	35.379	3.88	25.915	0.946
300	14.974	35.243	3.95	26.166	1.049
350	13.305	35.071	4.02	26.387	1.140
400	11.913	34.925	3.96	26.548	1.223
450	10.398	34.762	3.92	26.698	1.299
500	8.711	34.607	4.06	26.857	1.366
550	7.532	34.511	4.36	26.959	1.428
600	6.567	34.450	4.37	27.045	1.485
650	6.065	34.433	4.26	27.096	1.539
700	5.508	34.430	4.20	27.164	1.590
750	5.166	34.440	4.06	27.212	1.638
800	4.920	34.453	3.90	27.250	1.684
900	4.377	34.479	3.76	27.332	1.771
1000	4.024	34.503	3.58	27.388	1.851
1500	2.728	34.597	3.29	27.588	2.185
2000	2.154	34.644	3.38	27.674	2.462
2500	1.889	34.678	3.68	27.723	2.713
3000	1.696	34.702	3.98	27.757	2.952
3500	1.604	34.712	4.16	27.771	3.188
4000	1.589	34.714	4.24	27.774	3.431
4500	1.586	34.714	4.29	27.774	3.687
4514	1.586	34.713	4.30	27.774	3.695

CAST TW2-87-OC-087 DATE 30 JUN 87 TIME 0138 GMT;
LAT 14 31.0S LONG 155 59.1E

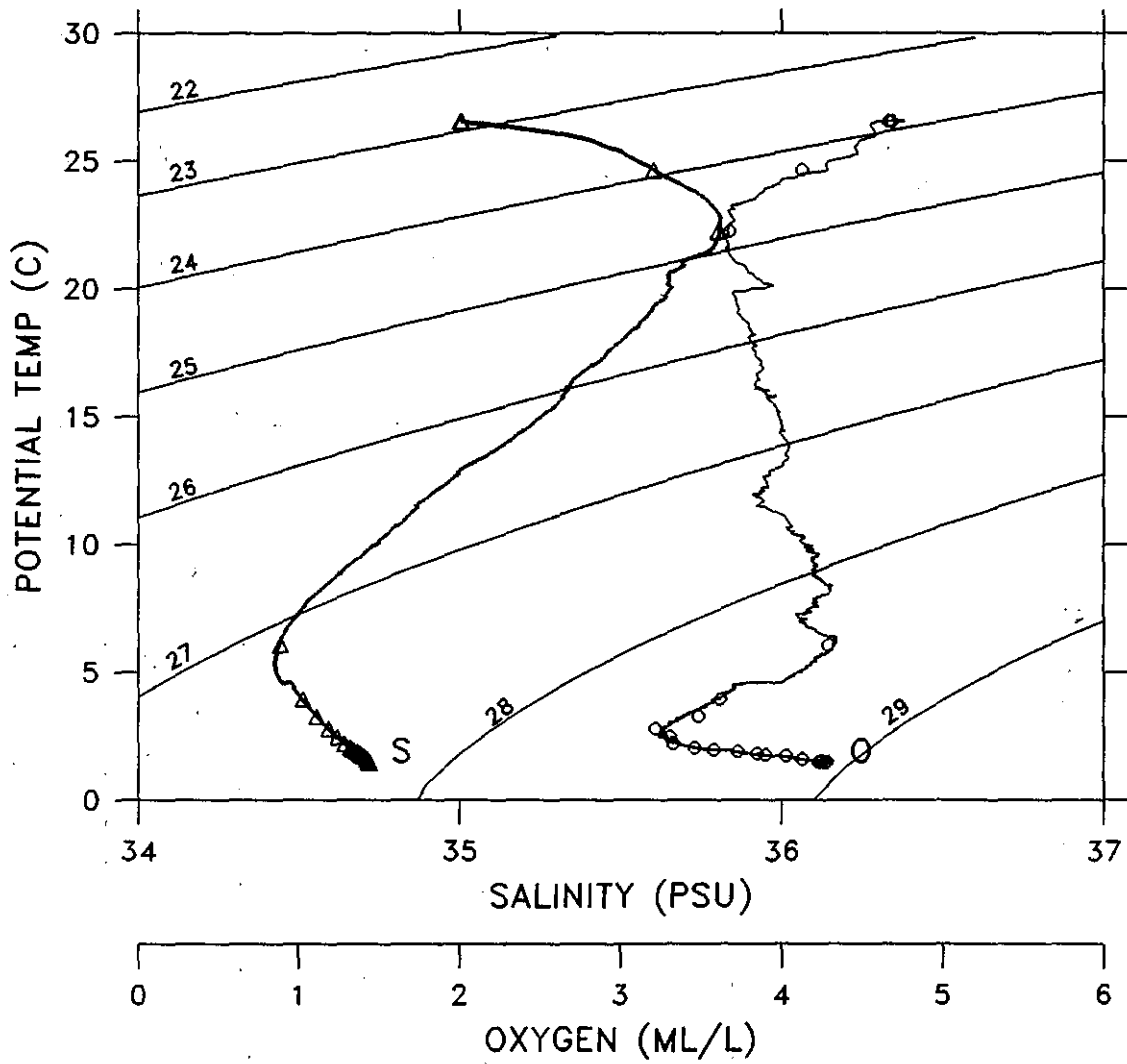


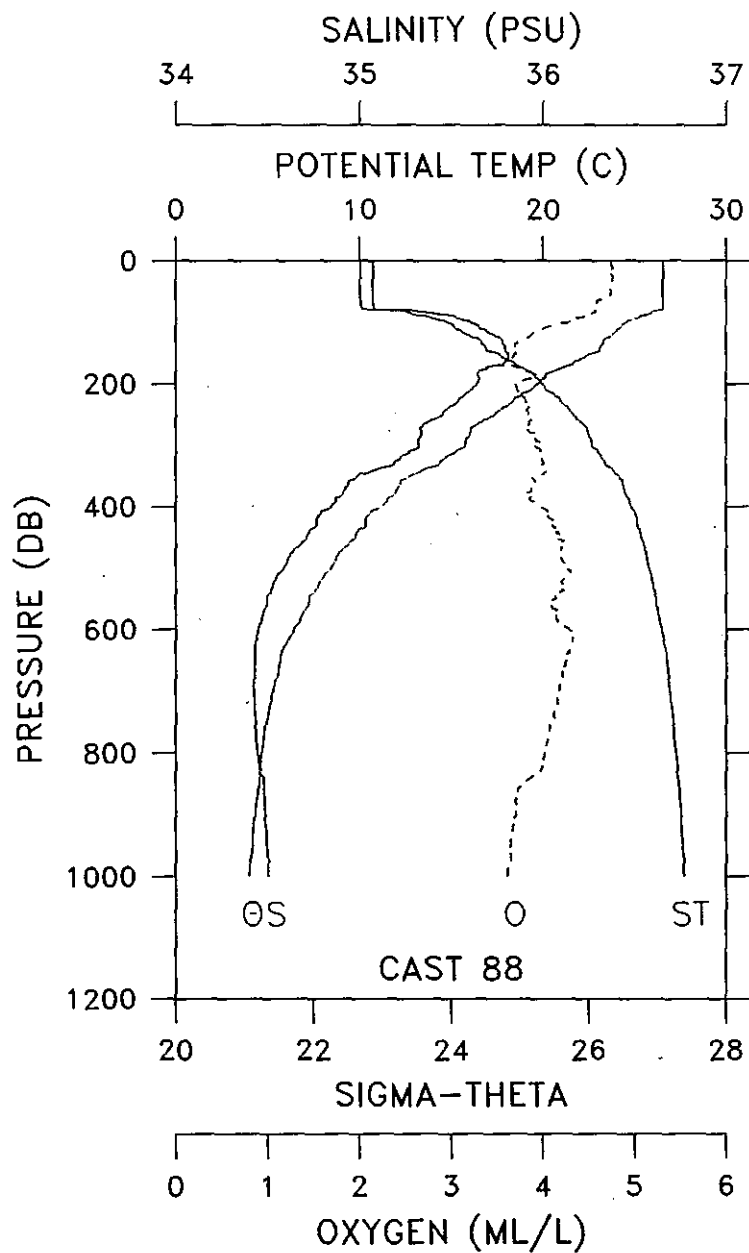


CAST TW2-87-OC-087 DATE 30 JUN 87 TIME 0138 GMT
 LAT 14 31.0S LONG 155 59.1E WEATHER 0 SEA STATE 3
 BAROMETER 16 WIND DIR 157 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 26.1 WET 22.8 DEPTH 3142 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.700	34.973	4.42	22.795	0.000
10	26.698	34.973	4.42	22.795	0.051
20	26.692	34.973	4.47	22.797	0.101
30	26.691	34.972	4.46	22.797	0.152
40	26.690	34.972	4.53	22.797	0.202
50	26.685	34.974	4.46	22.800	0.253
60	26.684	34.976	4.50	22.802	0.304
70	26.066	35.343	4.56	23.273	0.354
80	25.160	35.523	4.39	23.689	0.398
90	24.766	35.574	4.23	23.848	0.439
100	24.248	35.660	3.99	24.069	0.479
110	23.909	35.713	3.80	24.210	0.517
120	23.623	35.753	3.76	24.325	0.554
130	23.210	35.788	3.71	24.472	0.590
140	22.871	35.805	3.67	24.583	0.624
150	22.486	35.805	3.65	24.693	0.658
160	22.005	35.806	3.61	24.830	0.690
170	21.745	35.797	3.65	24.896	0.722
180	21.392	35.776	3.68	24.978	0.753
190	20.895	35.744	3.70	25.090	0.783
200	20.401	35.696	3.71	25.187	0.812
250	17.775	35.488	3.88	25.702	0.942
300	15.783	35.277	3.81	26.011	1.055
350	13.393	35.025	3.80	26.333	1.151
400	11.630	34.852	3.79	26.545	1.235
450	9.996	34.706	3.84	26.724	1.310
500	8.336	34.579	4.18	26.893	1.377
550	7.542	34.511	4.27	26.957	1.438
600	6.707	34.457	4.36	27.032	1.495
650	5.972	34.434	4.26	27.109	1.548
700	5.549	34.429	4.20	27.157	1.599
750	5.267	34.432	4.11	27.194	1.648
800	4.985	34.445	4.04	27.237	1.695
900	4.458	34.472	3.73	27.318	1.782
1000	3.972	34.508	3.56	27.397	1.862
1500	2.762	34.596	3.25	27.584	2.200
2000	2.194	34.644	3.32	27.671	2.479
2500	1.886	34.678	3.61	27.723	2.731
3000	1.698	34.703	3.96	27.758	2.967
3149	1.659	34.707	3.99	27.764	3.038

CAST TW2-87-OC-088 DATE 30 JUN 87 TIME 0840 GMT
LAT 14 31.0S LONG 154 59.7E

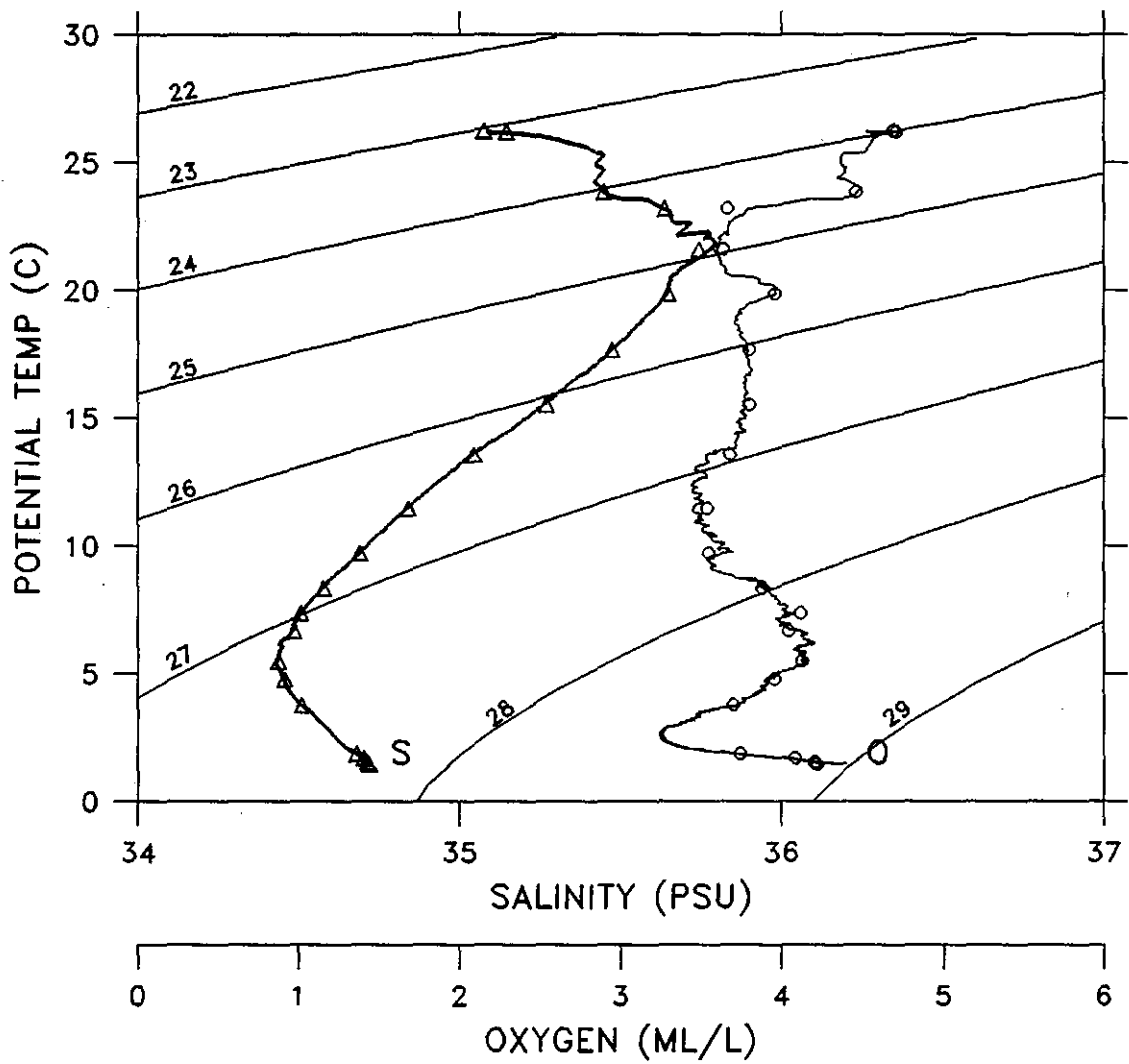


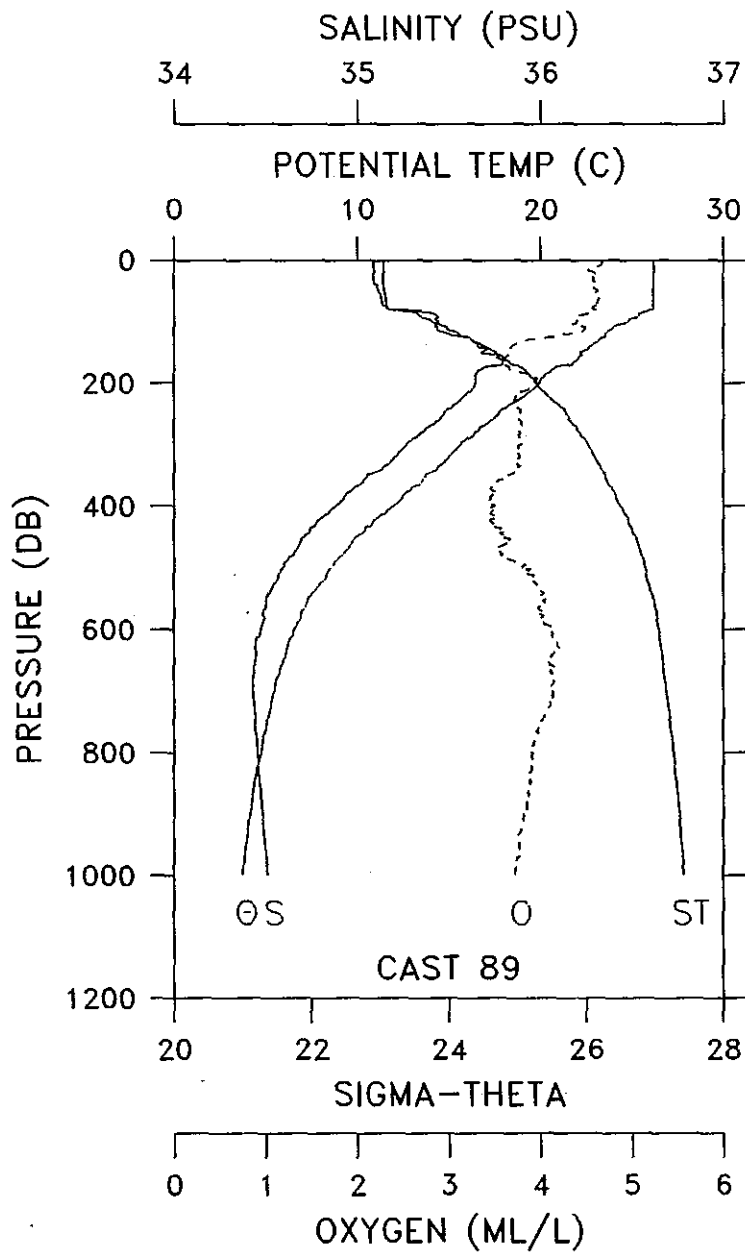


CAST TW2-87-0C-088 DATE 30 JUN 87 TIME 0840 GMT
 LAT 14 31.0S LONG 154 59.7E WEATHER 1 SEA STATE 2
 BAROMETER 17 WIND DIR 125 T SPD 15 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 23.9 WET 18.2 DEPTH 4506 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.561	35.005	4.75	22.863	0.000
10	26.560	35.004	4.75	22.863	0.050
20	26.563	35.004	4.73	22.862	0.100
30	26.564	35.004	4.75	22.861	0.150
40	26.561	35.004	4.74	22.863	0.200
50	26.567	35.004	4.74	22.860	0.250
60	26.563	35.005	4.69	22.862	0.300
70	26.552	35.008	4.59	22.868	0.350
80	26.405	35.115	4.56	22.996	0.400
90	25.260	35.515	4.47	23.653	0.445
100	24.607	35.607	4.27	23.921	0.487
110	24.251	35.660	4.00	24.068	0.526
120	23.801	35.732	3.88	24.256	0.564
130	23.305	35.782	3.73	24.439	0.600
140	23.126	35.795	3.70	24.502	0.635
150	22.644	35.807	3.71	24.650	0.670
160	22.024	35.802	3.68	24.822	0.703
170	21.427	35.765	3.67	24.961	0.734
180	20.421	35.651	3.85	25.147	0.763
190	20.091	35.658	3.93	25.241	0.792
200	19.777	35.641	3.70	25.311	0.819
250	17.374	35.451	3.84	25.772	0.944
300	15.758	35.322	3.91	26.052	1.051
350	12.713	34.996	3.93	26.448	1.144
400	11.194	34.849	3.98	26.623	1.224
450	9.767	34.712	4.17	26.767	1.295
500	8.450	34.587	4.26	26.881	1.360
550	7.282	34.498	4.15	26.984	1.421
600	6.415	34.448	4.28	27.063	1.477
650	5.702	34.431	4.28	27.141	1.529
700	5.319	34.427	4.18	27.184	1.578
750	4.962	34.434	4.09	27.231	1.625
800	4.664	34.447	4.03	27.275	1.670
900	4.314	34.486	3.70	27.345	1.754
1000	4.002	34.508	3.61	27.394	1.834
1500	2.799	34.594	3.26	27.579	2.172
2000	2.197	34.643	3.35	27.670	2.453
2500	1.905	34.682	3.70	27.724	2.705
3000	1.713	34.703	3.98	27.756	2.945
3500	1.529	34.717	4.20	27.781	3.178
4000	1.495	34.719	4.29	27.785	3.413
4193	1.486	34.719	4.29	27.786	3.506

CAST TW2-87-OC-089 DATE 30 JUN 87 TIME 1540 GMT
LAT 14 30.2S LONG 154 00.1E

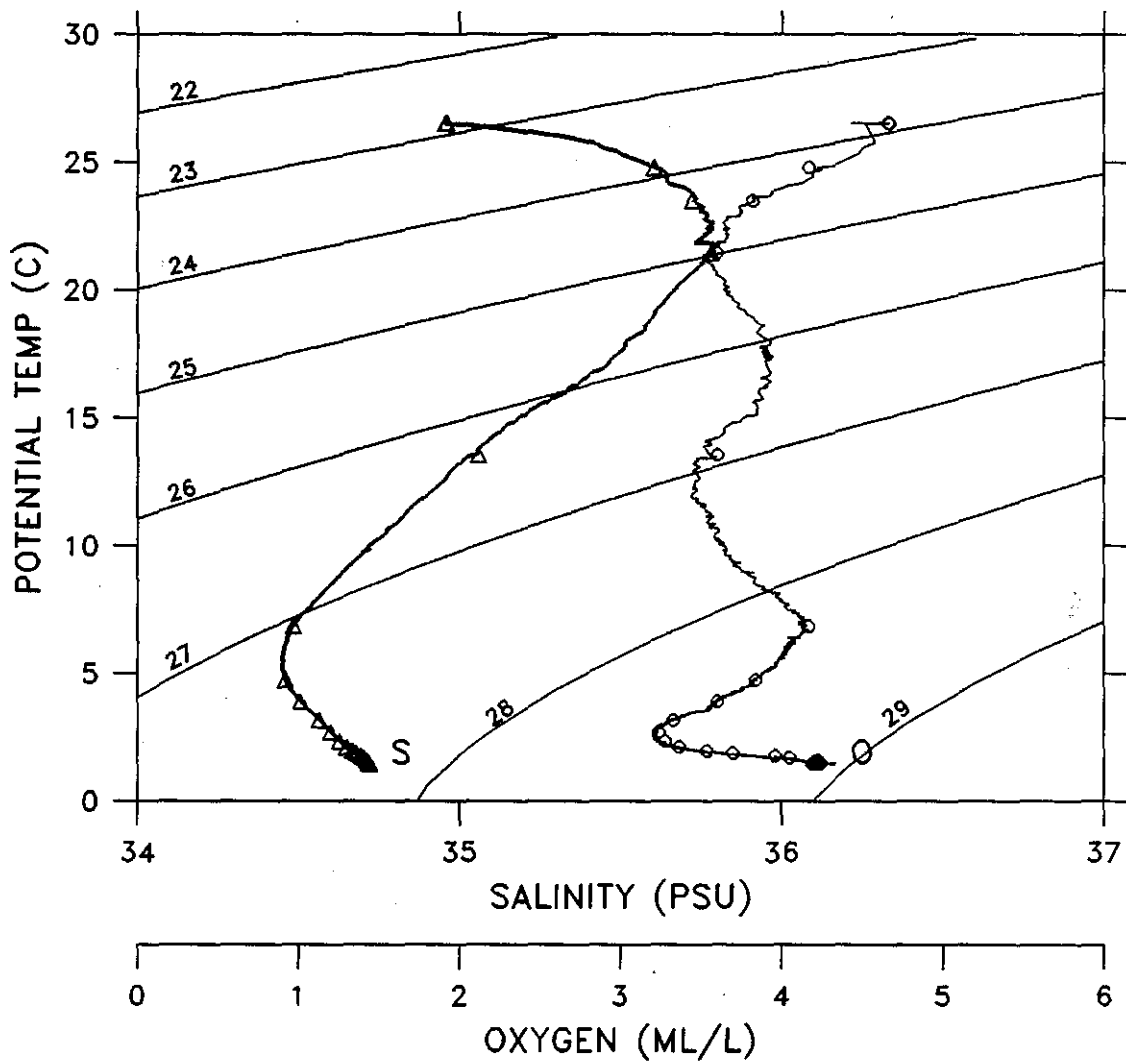


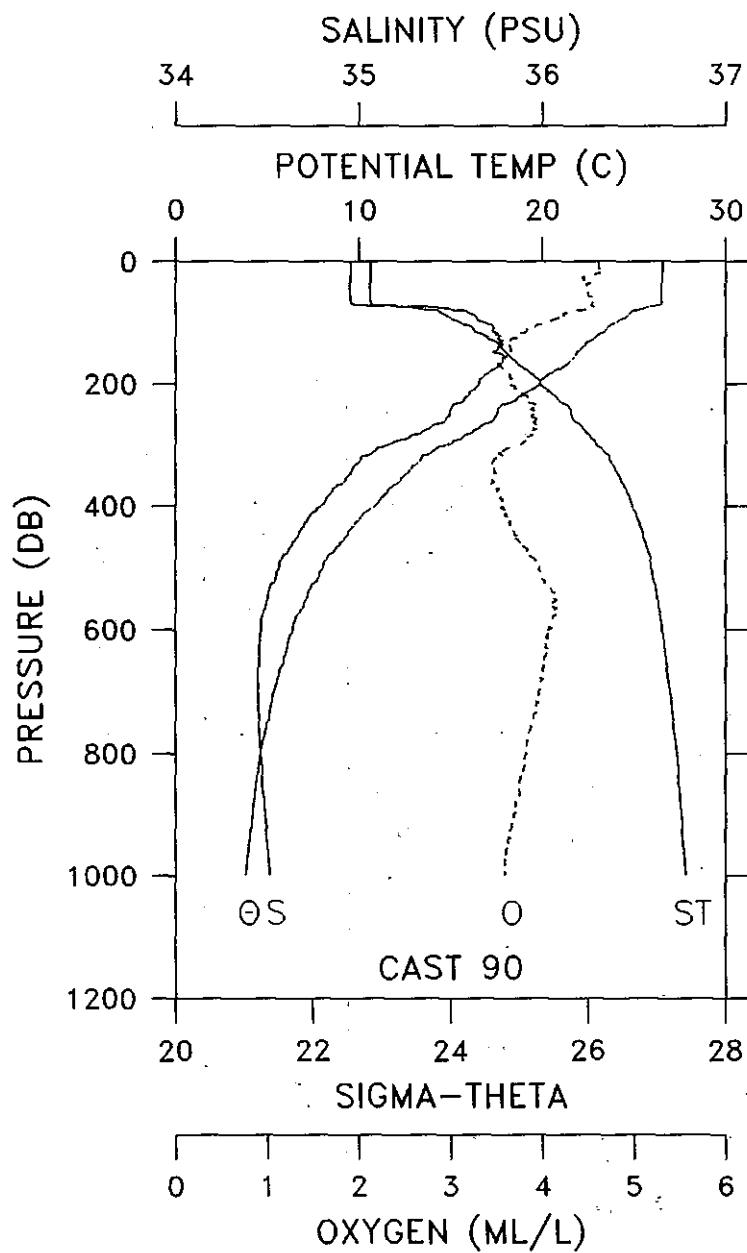


CAST TW2-87-OC-089 DATE 30 JUN 87 TIME 1540 GMT
 LAT 14 30.2S LONG 154 00.1E WEATHER 0 SEA STATE 2
 BAROMETER 17 WIND DIR 130 T SPD 16 KT VISIBILITY 8
 CLOUD X AMOUNT 1 DRY 23.3 WET 20.2 DEPTH 4627 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.181	35.087	4.67	23.045	0.000
10	26.187	35.087	4.62	23.043	0.048
20	26.189	35.092	4.59	23.046	0.096
30	26.190	35.090	4.59	23.044	0.145
40	26.185	35.111	4.59	23.061	0.193
50	26.177	35.120	4.61	23.070	0.241
60	26.162	35.132	4.62	23.084	0.289
70	26.153	35.137	4.55	23.091	0.337
80	26.126	35.197	4.60	23.145	0.385
90	25.347	35.434	4.39	23.565	0.430
100	24.666	35.444	4.39	23.780	0.472
110	23.965	35.439	4.49	23.985	0.513
120	23.570	35.509	4.29	24.156	0.552
130	23.199	35.629	3.82	24.355	0.589
140	22.657	35.662	3.69	24.536	0.624
150	22.147	35.674	3.66	24.690	0.658
160	22.074	35.781	3.62	24.792	0.690
170	21.695	35.790	3.57	24.905	0.722
180	20.551	35.656	3.71	25.117	0.752
190	20.216	35.650	3.93	25.202	0.780
200	19.931	35.646	3.97	25.274	0.808
250	17.717	35.472	3.77	25.704	0.937
300	15.683	35.271	3.77	26.029	1.048
350	13.755	35.058	3.67	26.284	1.145
400	11.960	34.884	3.50	26.507	1.232
450	9.955	34.712	3.61	26.735	1.308
500	8.615	34.591	3.87	26.859	1.375
550	7.333	34.505	4.07	26.982	1.436
600	6.608	34.476	4.14	27.060	1.492
650	5.964	34.442	4.10	27.116	1.545
700	5.465	34.430	4.13	27.169	1.595
750	5.085	34.445	4.01	27.225	1.643
800	4.761	34.456	3.90	27.271	1.688
900	4.145	34.483	3.82	27.360	1.772
1000	3.740	34.512	3.71	27.425	1.848
1500	2.709	34.601	3.26	27.593	2.177
2000	2.172	34.645	3.35	27.674	2.453
2500	1.872	34.684	3.70	27.728	2.703
3000	1.698	34.705	4.01	27.759	2.940
3500	1.562	34.716	4.20	27.778	3.174
4000	1.501	34.718	4.28	27.784	3.410
4500	1.484	34.720	4.37	27.786	3.656
4669	1.484	34.719	4.39	27.786	3.741

CAST TW2-87-OC-090 DATE 01 JUL 87 TIME 0227 GMT
LAT 12 55.1S LONG 153 24.3E

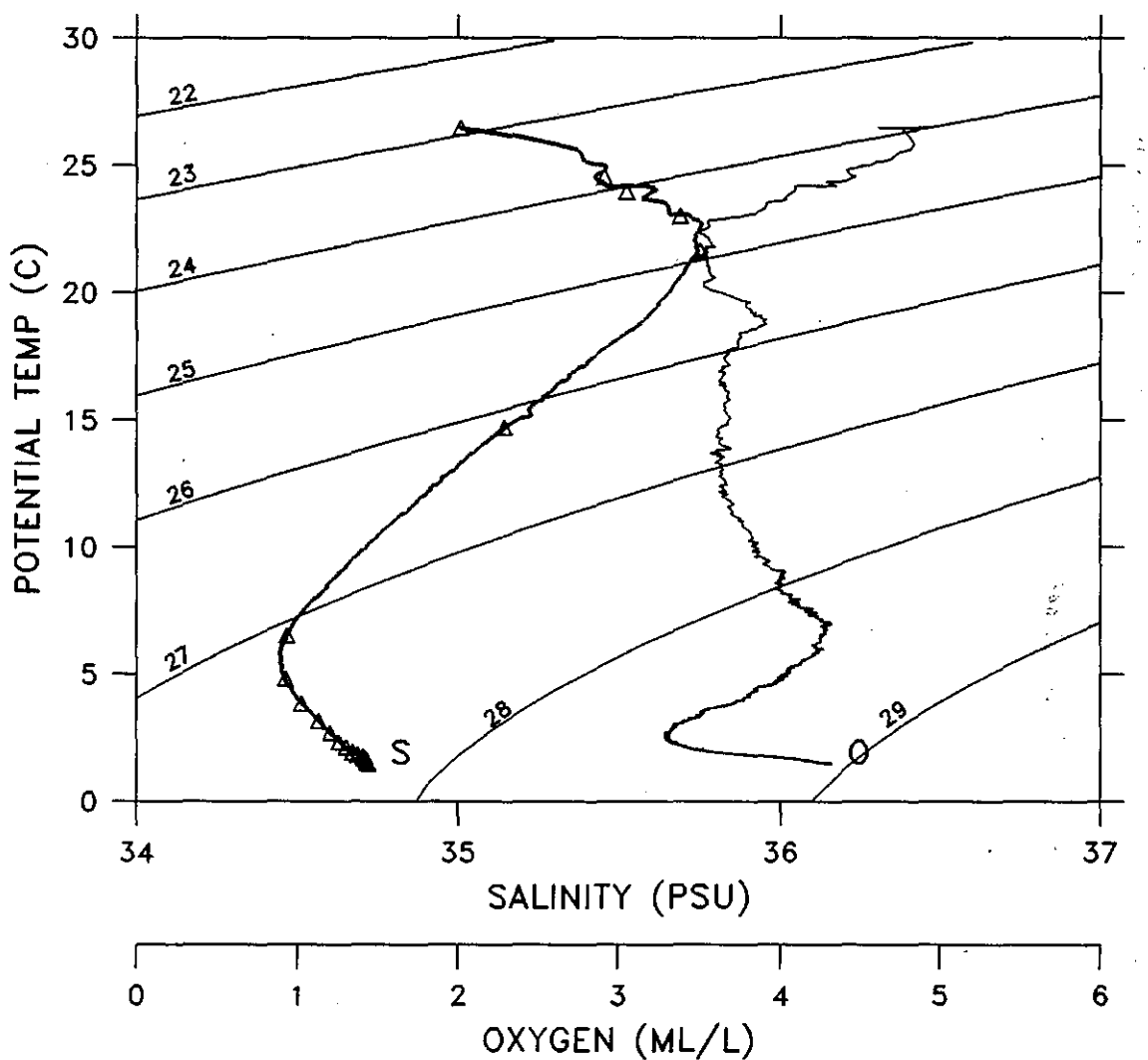


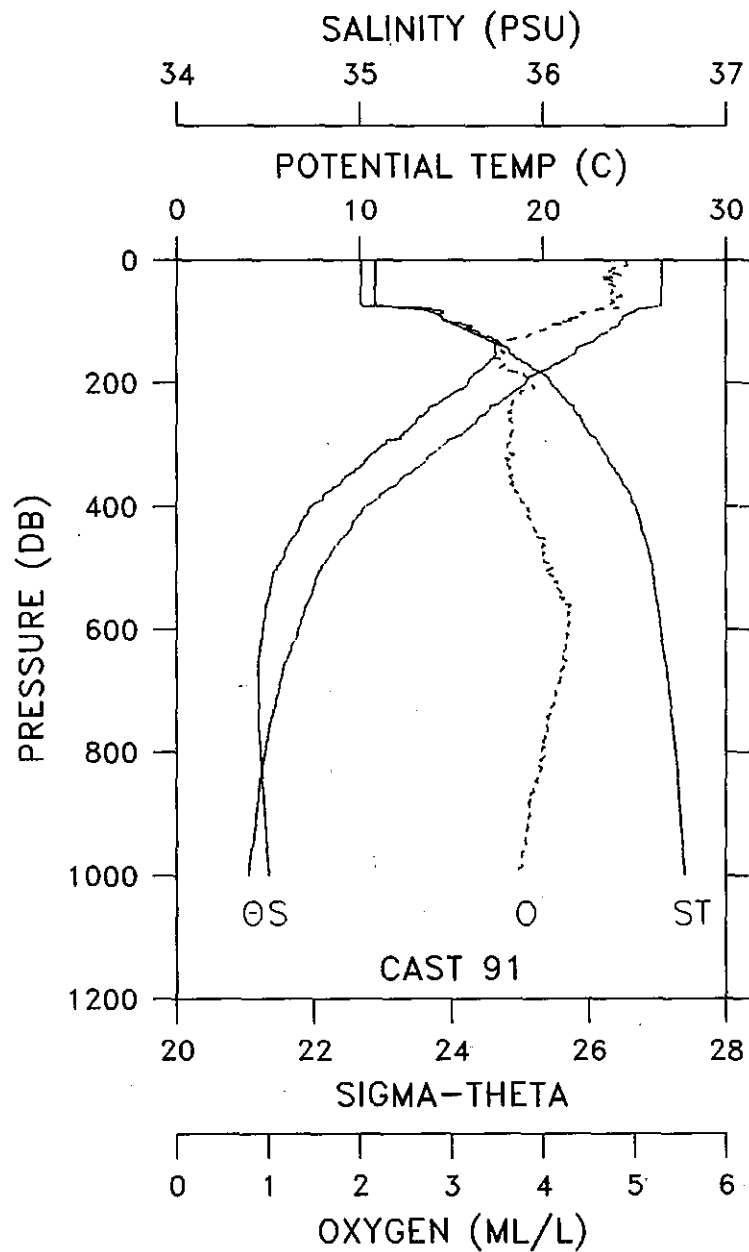


CAST TW2-87-OC-090 DATE 01 JUL 87 TIME 0227 GMT
 LAT 12 55.1S LONG 153 24.3E WEATHER 1 SEA STATE 3
 BAROMETER 17 WIND DIR 128 T SPD 15 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 26.7 WET 21.2 DEPTH 4430 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.537	34.955	4.61	22.833	0.000
10	26.538	34.955	4.60	22.833	0.050
20	26.532	34.954	4.58	22.833	0.100
30	26.525	34.953	4.44	22.835	0.151
40	26.521	34.953	4.48	22.836	0.201
50	26.519	34.952	4.52	22.837	0.251
60	26.519	34.954	4.54	22.838	0.302
70	26.501	34.977	4.54	22.861	0.352
80	24.969	35.575	4.36	23.788	0.397
90	24.605	35.638	4.17	23.945	0.438
100	24.032	35.697	4.01	24.161	0.477
110	23.575	35.736	3.83	24.326	0.514
120	23.093	35.749	3.74	24.476	0.550
130	22.616	35.791	3.64	24.646	0.584
140	22.170	35.755	3.66	24.745	0.617
150	21.886	35.750	3.65	24.821	0.649
160	21.618	35.782	3.59	24.921	0.680
170	21.240	35.767	3.54	25.014	0.711
180	20.611	35.713	3.60	25.144	0.740
190	20.098	35.673	3.67	25.250	0.769
200	19.862	35.654	3.66	25.299	0.796
250	17.542	35.494	3.90	25.764	0.921
300	14.763	35.149	3.68	26.140	1.028
350	12.507	34.945	3.46	26.449	1.117
400	10.803	34.791	3.58	26.649	1.195
450	9.267	34.667	3.72	26.815	1.265
500	8.046	34.566	3.97	26.926	1.328
550	7.143	34.502	4.12	27.007	1.386
600	6.398	34.467	4.08	27.080	1.441
650	5.889	34.453	4.02	27.135	1.493
700	5.361	34.449	3.95	27.196	1.542
750	5.005	34.456	3.88	27.244	1.588
800	4.623	34.464	3.83	27.293	1.633
900	4.204	34.487	3.68	27.357	1.715
1000	3.809	34.513	3.59	27.419	1.793
1500	2.717	34.601	3.22	27.592	2.118
2000	2.118	34.650	3.34	27.682	2.391
2500	1.873	34.681	3.61	27.726	2.639
3000	1.701	34.705	3.96	27.758	2.878
3500	1.549	34.717	4.14	27.779	3.110
4000	1.491	34.720	4.26	27.786	3.345
4472	1.482	34.719	4.30	27.786	3.576

CAST TW2-87-0C-091 DATE 01 JUL 87 TIME 1101 GMT
LAT 12 21.0S LONG 153 36.0E

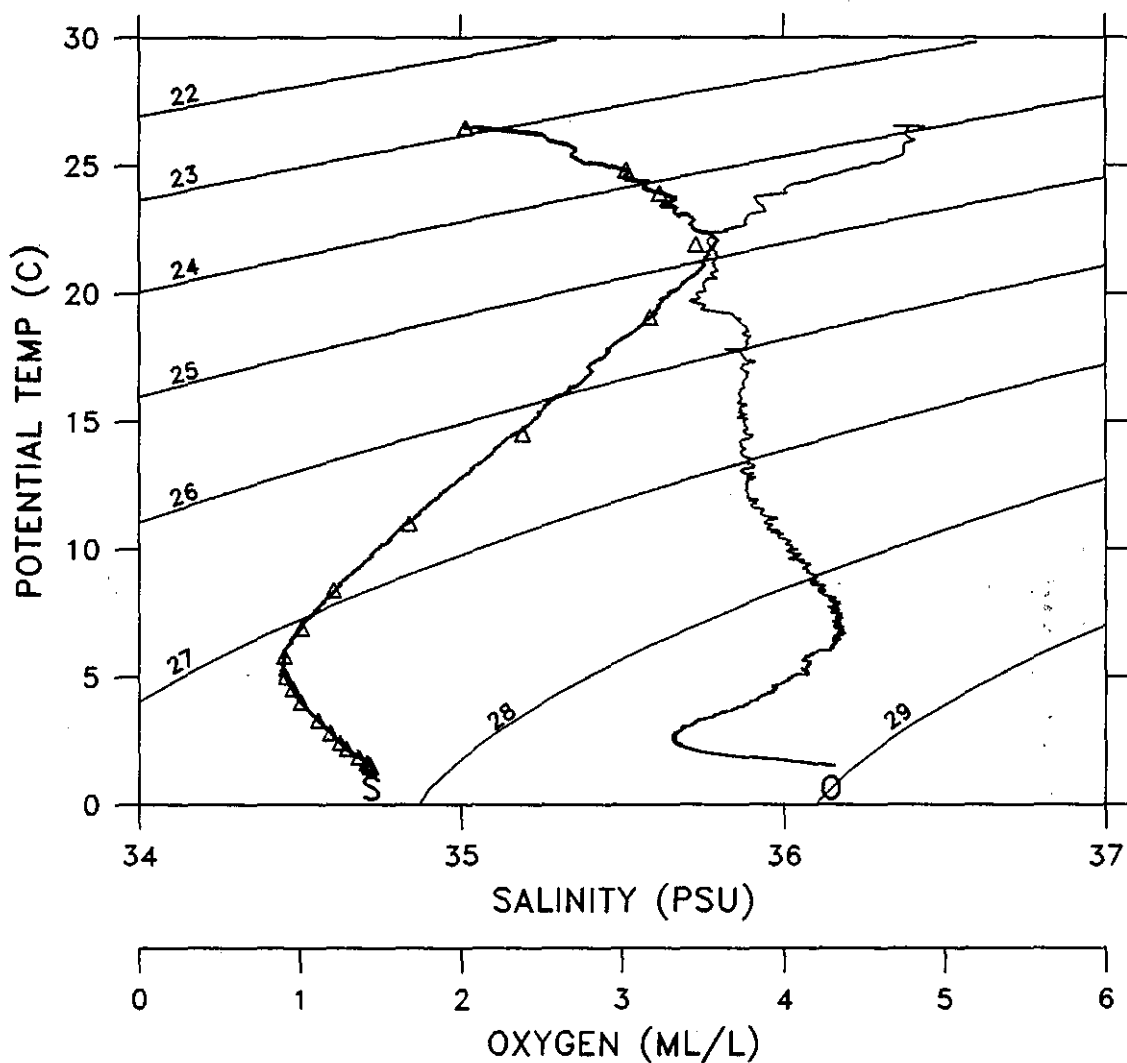


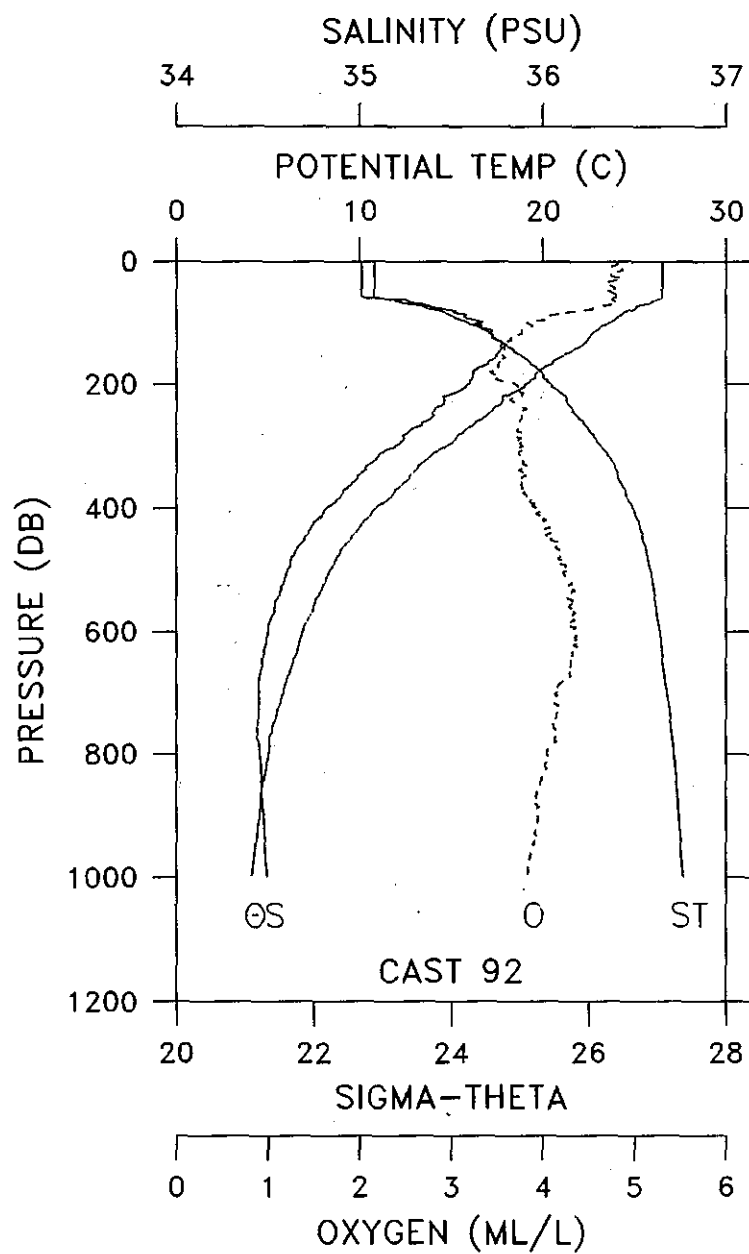


CAST TW2-87-OC-091 DATE 01 JUL 87 TIME 1101 GMT
 LAT 12 21.0S LONG 153 36.0E WEATHER 1 SEA STATE 2
 BAROMETER 18 WIND DIR 125 T SPD 16 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 24.7 WET 21.9 DEPTH 3924 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.480	35.007	4.91	22.890	0.000
10	26.481	35.006	4.84	22.889	0.050
20	26.479	35.006	4.72	22.889	0.099
30	26.477	35.006	4.66	22.890	0.149
40	26.476	35.006	4.73	22.890	0.199
50	26.475	35.005	4.77	22.891	0.249
60	26.474	35.005	4.83	22.891	0.298
70	26.465	35.008	4.75	22.895	0.348
80	25.261	35.392	4.69	23.560	0.396
90	24.556	35.425	4.47	23.799	0.438
100	24.173	35.473	4.22	23.950	0.479
110	23.853	35.591	4.05	24.134	0.518
120	23.293	35.656	3.90	24.348	0.555
130	22.908	35.727	3.67	24.513	0.591
140	22.092	35.737	3.57	24.754	0.624
150	21.788	35.740	3.57	24.841	0.656
160	21.407	35.731	3.51	24.940	0.687
170	20.644	35.695	3.58	25.121	0.717
180	20.015	35.656	3.61	25.260	0.746
190	19.339	35.609	3.82	25.401	0.773
200	19.071	35.591	3.87	25.456	0.799
250	16.869	35.352	3.65	25.817	0.920
300	14.585	35.131	3.61	26.164	1.025
350	12.450	34.933	3.67	26.451	1.115
400	10.314	34.740	3.82	26.695	1.193
450	9.086	34.634	3.97	26.818	1.262
500	7.932	34.544	4.10	26.926	1.325
550	7.255	34.502	4.22	26.991	1.384
600	6.624	34.469	4.28	27.052	1.440
650	6.014	34.448	4.25	27.115	1.493
700	5.554	34.446	4.13	27.171	1.543
750	5.145	34.448	4.04	27.221	1.591
800	4.830	34.458	4.00	27.265	1.636
900	4.358	34.481	3.85	27.336	1.722
1000	3.925	34.508	3.72	27.402	1.801
1500	2.731	34.600	3.31	27.590	2.134
2000	2.154	34.646	3.40	27.676	2.408
2500	1.855	34.684	3.75	27.730	2.656
3000	1.684	34.707	4.06	27.762	2.890
3500	1.541	34.717	4.23	27.780	3.123
3966	1.490	34.719	4.29	27.785	3.342

CAST TW2-87-OC-092 DATE 01 JUL 87 TIME 1451 GMT
LAT 12 08.2S LONG 153 42.4E

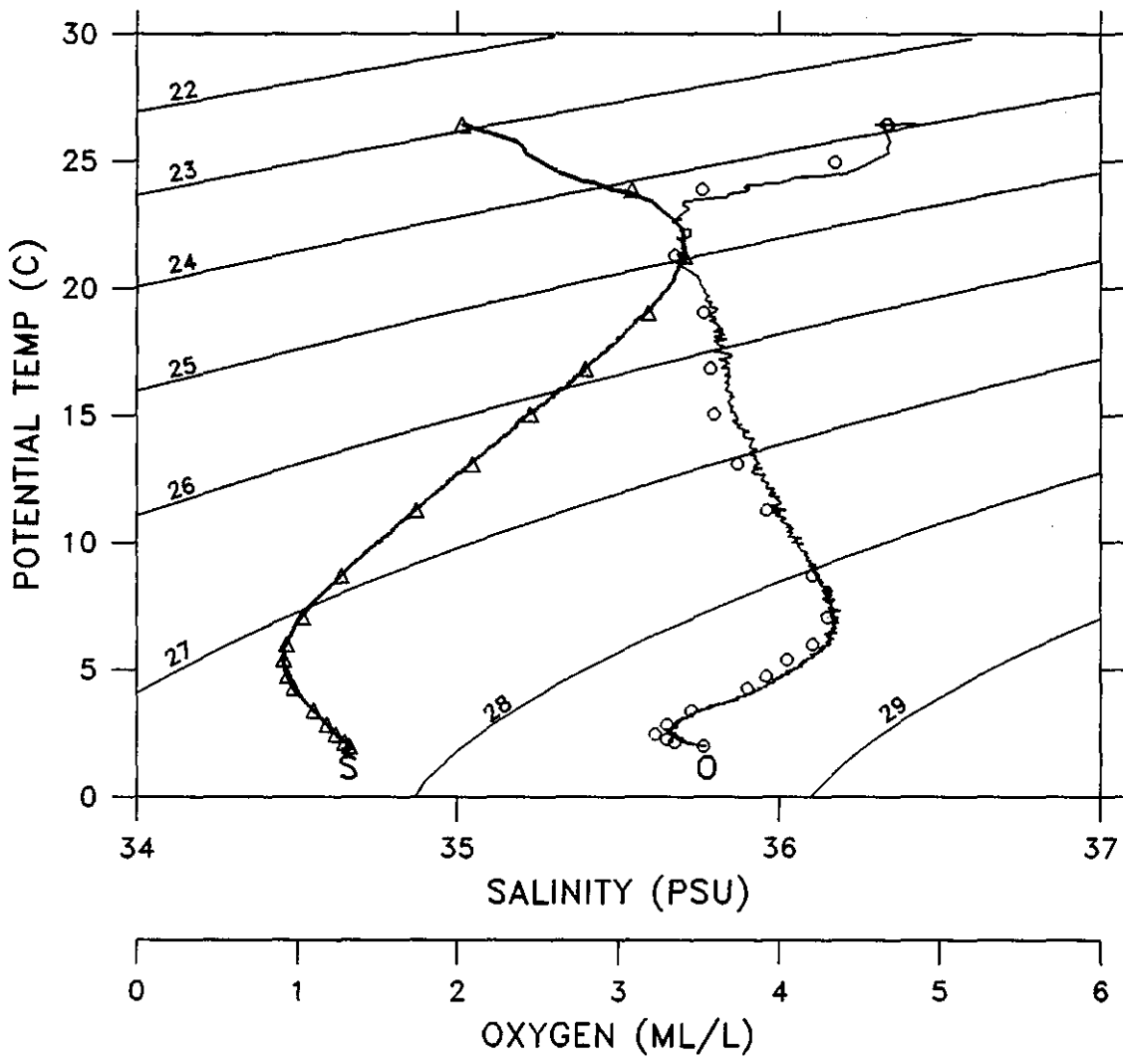




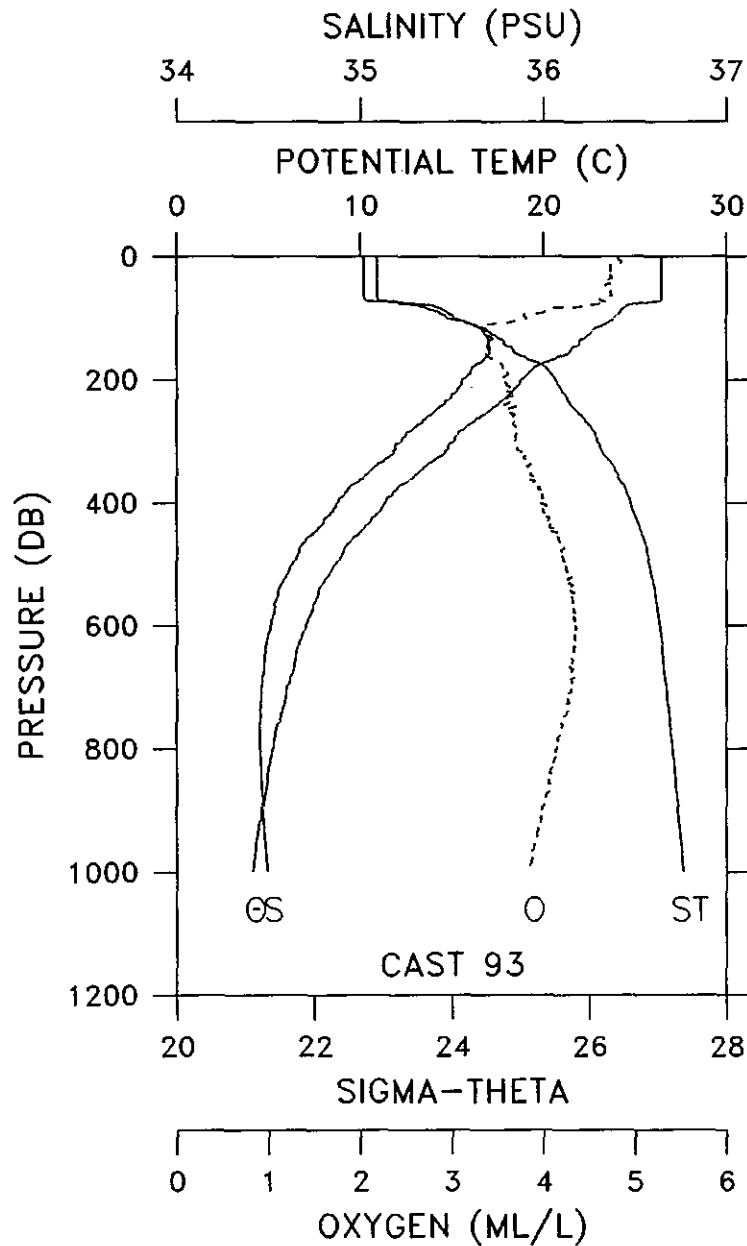
CAST TW2-87-OC-092 DATE 01 JUL 87 TIME 1451 GMT
 LAT 12 08.2S LONG 153 42.4E WEATHER 0 SEA STATE 2
 BAROMETER 16 WIND DIR 140 T SPD 12 KT VISIBILITY 8
 CLOUD X AMOUNT 0 DRY 24.4 WET 22.0 DEPTH 3765 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.526	35.010	4.81	22.878	0.000
10	26.524	35.009	4.81	22.878	0.050
20	26.518	35.010	4.75	22.880	0.100
30	26.523	35.010	4.79	22.879	0.149
40	26.517	35.010	4.75	22.881	0.199
50	26.522	35.010	4.76	22.879	0.249
60	26.495	35.040	4.78	22.910	0.299
70	25.396	35.341	4.75	23.480	0.346
80	24.715	35.525	4.37	23.826	0.388
90	24.105	35.571	4.01	24.044	0.428
100	23.562	35.635	3.84	24.253	0.466
110	23.092	35.702	3.78	24.441	0.502
120	22.589	35.720	3.69	24.600	0.537
130	22.378	35.767	3.54	24.696	0.570
140	21.866	35.784	3.55	24.853	0.603
150	21.364	35.757	3.58	24.972	0.633
160	20.736	35.726	3.55	25.120	0.663
170	20.295	35.684	3.51	25.206	0.692
180	19.716	35.624	3.42	25.314	0.719
190	19.576	35.614	3.51	25.343	0.746
200	19.060	35.591	3.70	25.459	0.773
250	16.954	35.410	3.77	25.841	0.893
300	14.694	35.194	3.78	26.189	0.997
350	12.751	34.991	3.77	26.436	1.085
400	10.902	34.816	3.92	26.651	1.165
450	9.546	34.701	4.09	26.795	1.235
500	8.391	34.606	4.24	26.906	1.299
550	7.594	34.544	4.30	26.975	1.359
600	6.893	34.500	4.32	27.040	1.416
650	6.409	34.471	4.32	27.082	1.471
700	5.828	34.452	4.14	27.141	1.523
750	5.327	34.444	4.11	27.197	1.572
800	5.033	34.453	4.05	27.238	1.618
900	4.531	34.476	3.95	27.313	1.706
1000	4.113	34.496	3.83	27.374	1.789
1500	2.794	34.597	3.33	27.582	2.131
2000	2.164	34.645	3.42	27.674	2.406
2500	1.873	34.681	3.75	27.726	2.656
3000	1.665	34.708	4.12	27.764	2.891
3500	1.546	34.716	4.28	27.779	3.122
3717	1.508	34.718	4.29	27.784	3.223

CAST TW2-87-OC-093 DATE 01 JUL 87 TIME 1808 GMT
LAT 12 00.1S LONG 153 45.4E



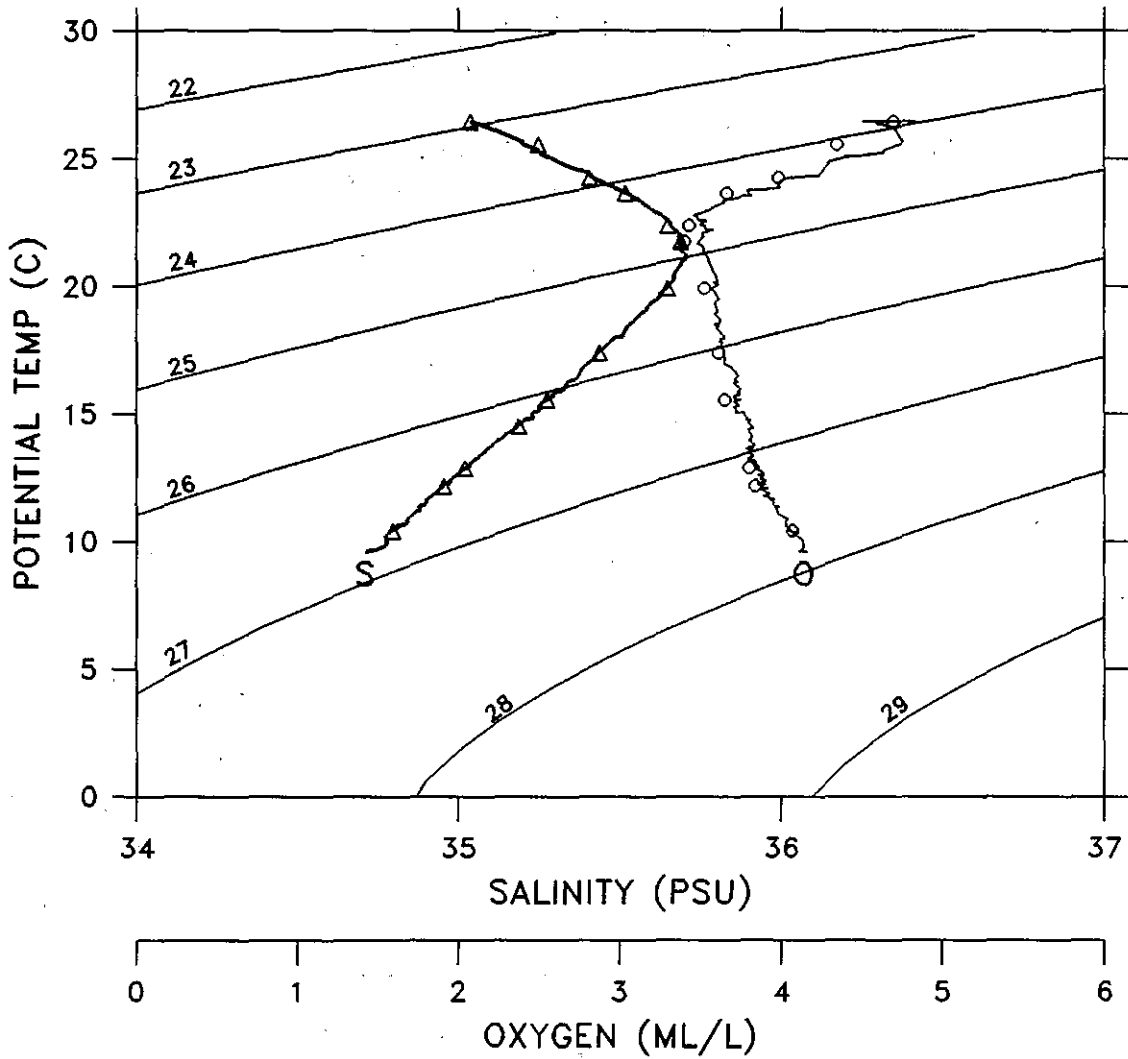
CAST TW2-87-OC-093 DATE 01 JUL 87 TIME 1808 GMT
 LAT 12 00.1S LONG 153 45.4E WEATHER 1 SEA STATE 3
 BAROMETER 16 WIND DIR 145 T SPD 17 KT VISIBILITY 9
 CLOUD 8 AMOUNT 2 DRY 26.0 WET 20.9 DEPTH 2241 M

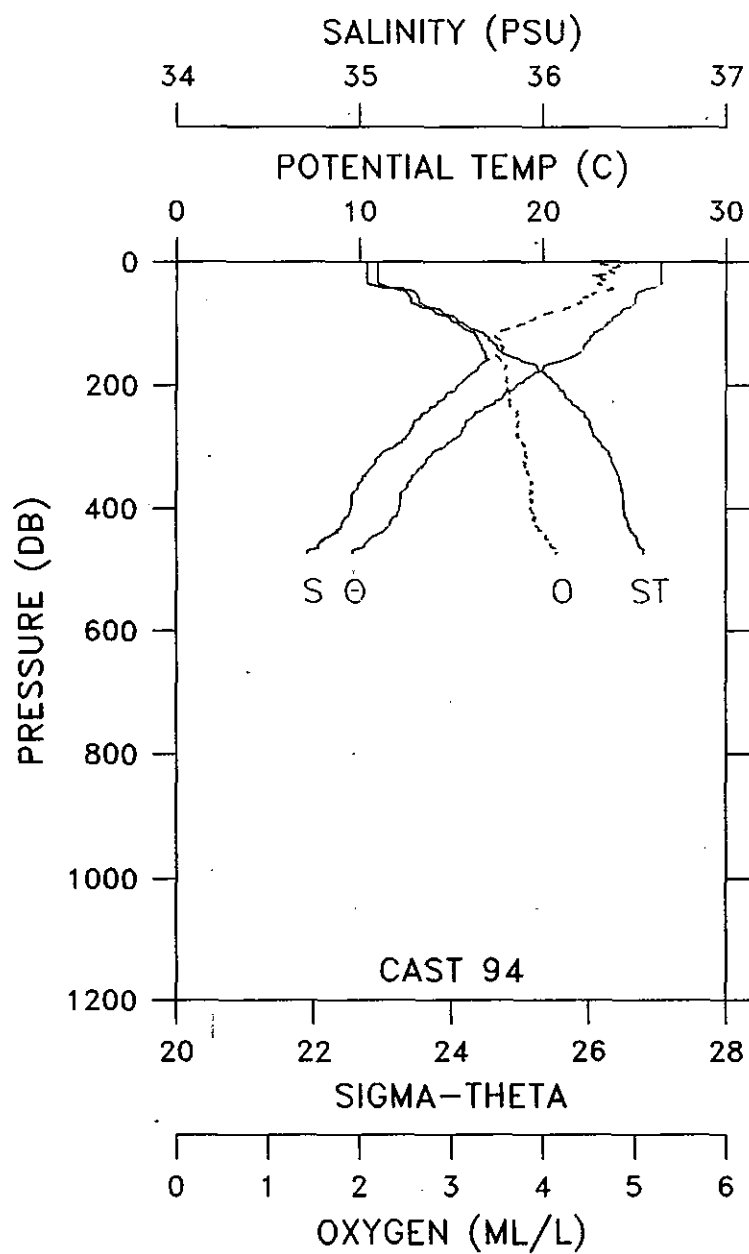


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.447	35.018	4.82	22.908	0.000
10	26.454	35.017	4.85	22.906	0.049
20	26.453	35.017	4.73	22.906	0.099
30	26.452	35.017	4.71	22.906	0.149
40	26.453	35.017	4.70	22.906	0.198
50	26.451	35.019	4.71	22.908	0.248
60	26.451	35.017	4.73	22.907	0.297
70	26.438	35.025	4.60	22.917	0.347
80	24.543	35.311	4.43	23.717	0.393
90	24.144	35.428	4.02	23.924	0.434
100	23.888	35.478	3.82	24.038	0.474
110	23.391	35.603	3.40	24.279	0.512
120	22.716	35.667	3.39	24.523	0.547
130	22.335	35.688	3.41	24.648	0.581
140	21.962	35.700	3.37	24.762	0.614
150	21.546	35.702	3.40	24.880	0.646
160	21.142	35.696	3.39	24.986	0.677
170	20.362	35.668	3.50	25.176	0.706
180	19.488	35.614	3.54	25.366	0.734
190	19.160	35.598	3.61	25.438	0.760
200	18.771	35.554	3.60	25.504	0.786
250	17.047	35.411	3.68	25.820	0.907
300	15.115	35.221	3.72	26.118	1.011
350	13.167	35.044	3.87	26.394	1.104
400	11.387	34.878	3.98	26.610	1.185
450	9.917	34.740	4.13	26.764	1.257
500	8.641	34.630	4.23	26.886	1.322
550	7.712	34.553	4.29	26.966	1.383
600	7.041	34.511	4.36	27.028	1.441
650	6.503	34.481	4.34	27.078	1.495
700	6.005	34.461	4.31	27.126	1.548
750	5.630	34.454	4.22	27.168	1.599
800	5.257	34.455	4.16	27.213	1.647
900	4.646	34.471	3.98	27.296	1.738
1000	4.125	34.494	3.82	27.371	1.821
1500	2.911	34.587	3.37	27.564	2.169
2000	2.171	34.646	3.42	27.674	2.449
2171	2.005	34.664	3.55	27.702	2.536

CAST TW2-87-OC-094 DATE 01 JUL 87 TIME 2238 GMT

LAT 11 51.1S LONG 153 47.2E

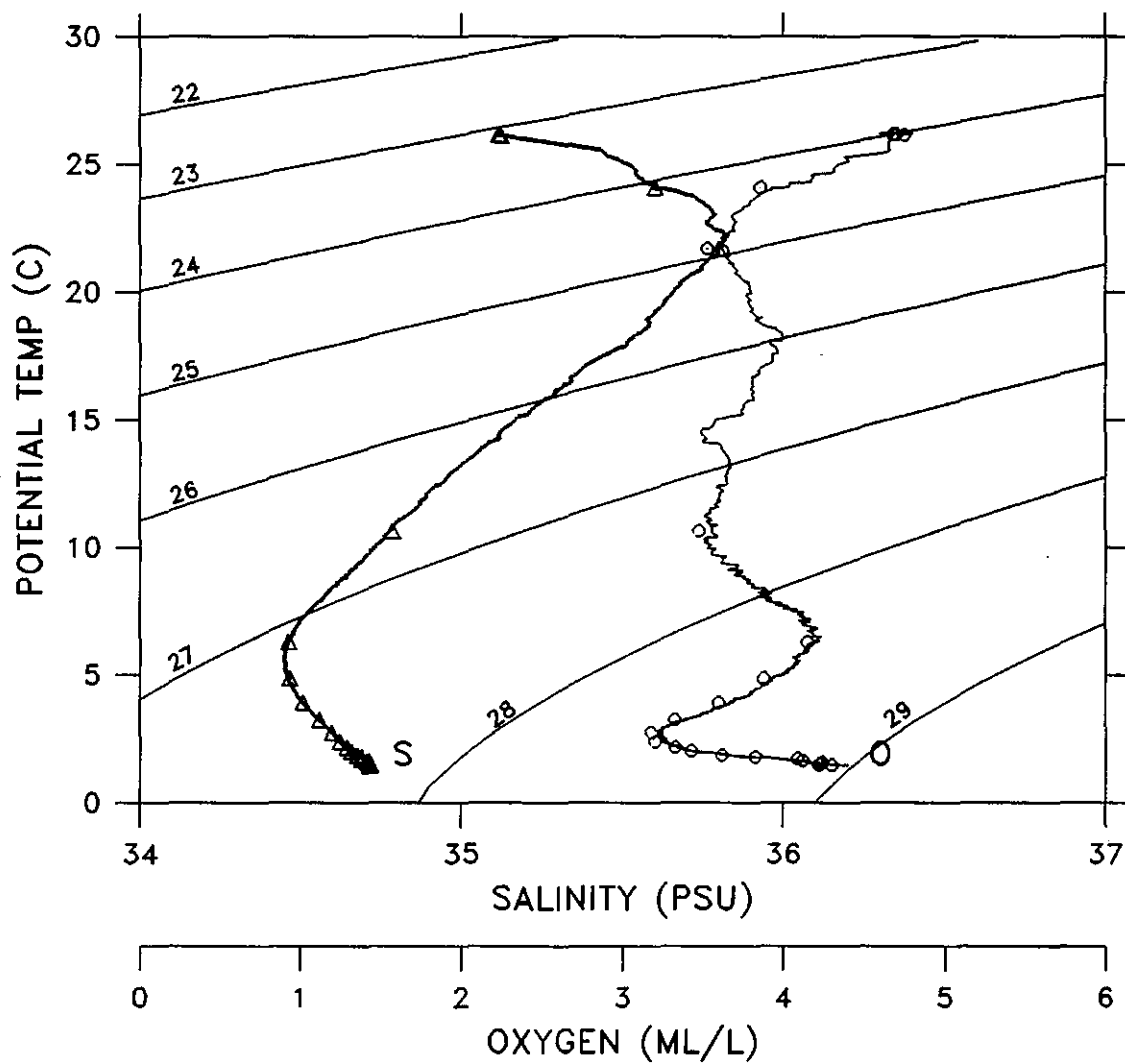


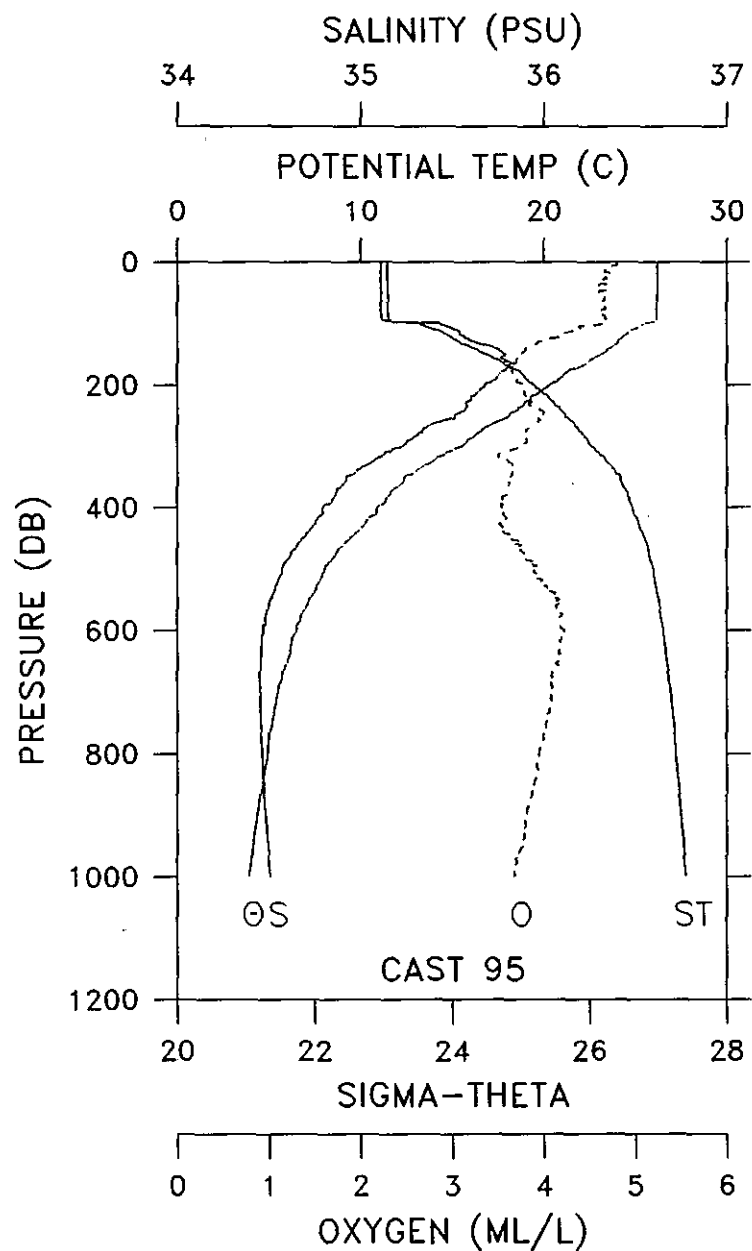


CAST TW2-87-OC-094 DATE 01 JUL 87 TIME 2238 GMT
 LAT 11 51.1S LONG 153 47.2E WEATHER 1 SEA STATE 4
 BAROMETER 17 WIND DIR 145 T SPD 12 KT VISIBILITY 9
 CLOUD 2 AMOUNT 4 DRY 26.3 WET 22.5 DEPTH 0495 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.445	35.037	4.63	22.924	0.000
10	26.445	35.037	4.79	22.924	0.049
20	26.447	35.037	4.78	22.923	0.099
30	26.446	35.038	4.63	22.924	0.148
40	26.221	35.093	4.68	23.036	0.197
50	25.186	35.257	4.58	23.480	0.243
60	25.070	35.283	4.40	23.536	0.287
70	24.883	35.313	4.30	23.615	0.331
80	24.294	35.410	4.15	23.866	0.372
90	23.835	35.489	3.94	24.062	0.412
100	23.518	35.539	3.77	24.194	0.450
110	23.147	35.582	3.60	24.334	0.488
120	22.664	35.637	3.48	24.515	0.523
130	22.413	35.658	3.50	24.602	0.557
140	22.204	35.668	3.56	24.670	0.591
150	21.826	35.686	3.49	24.790	0.623
160	21.001	35.690	3.54	25.021	0.654
170	20.041	35.648	3.61	25.246	0.683
180	19.489	35.618	3.61	25.369	0.711
190	19.007	35.572	3.61	25.458	0.737
200	18.556	35.537	3.62	25.546	0.763
250	16.239	35.338	3.73	25.953	0.879
300	14.606	35.186	3.80	26.202	0.980
350	12.845	35.015	3.85	26.436	1.068
400	12.202	34.955	3.86	26.516	1.150
450	10.512	34.808	4.06	26.713	1.228
474	9.589	34.709	4.14	26.795	1.261

CAST TW2-87-OC-095 DATE 02 JUL 87 TIME 0904 GMT
LAT 13 50.2S LONG 153 15.6E

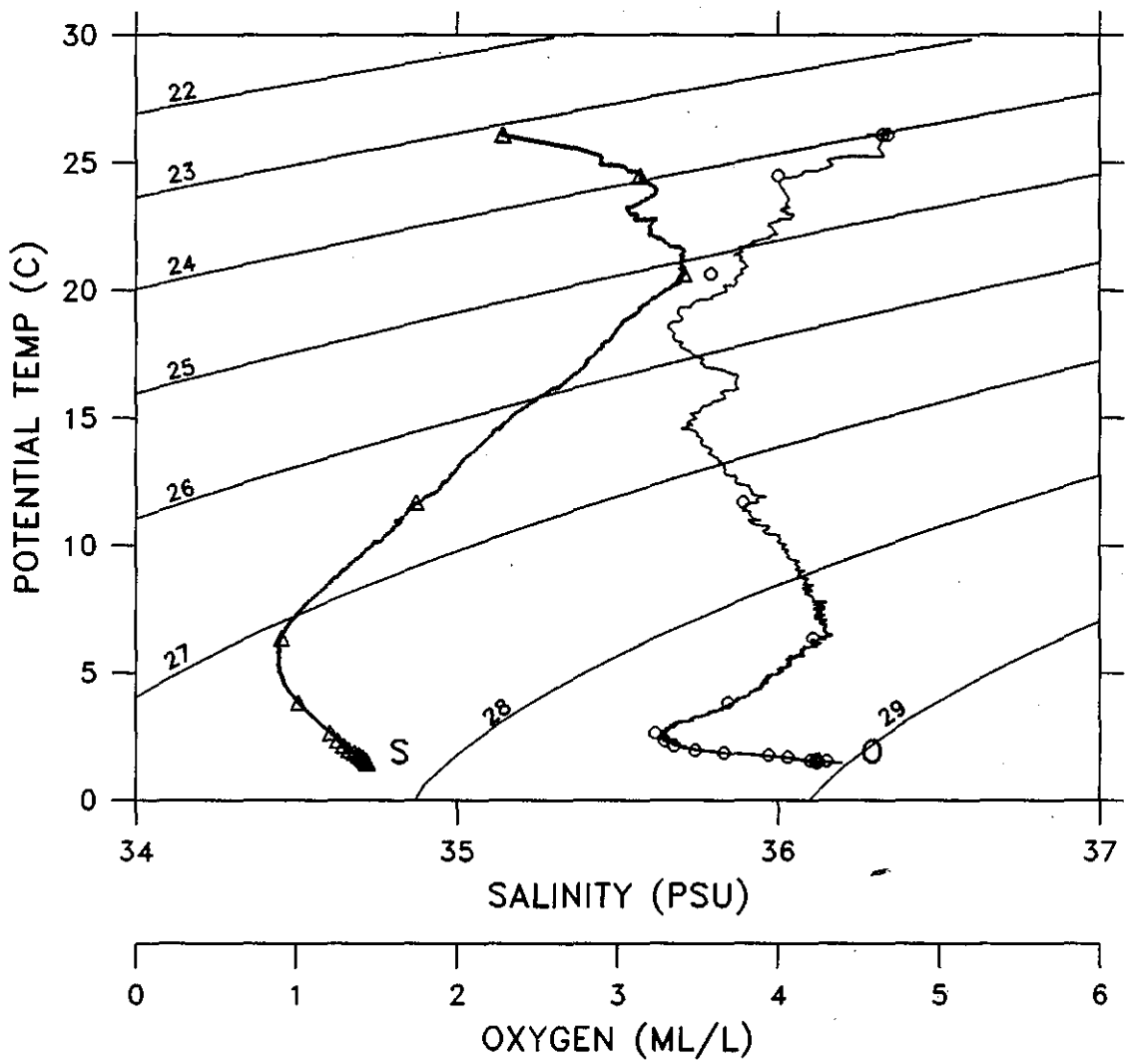




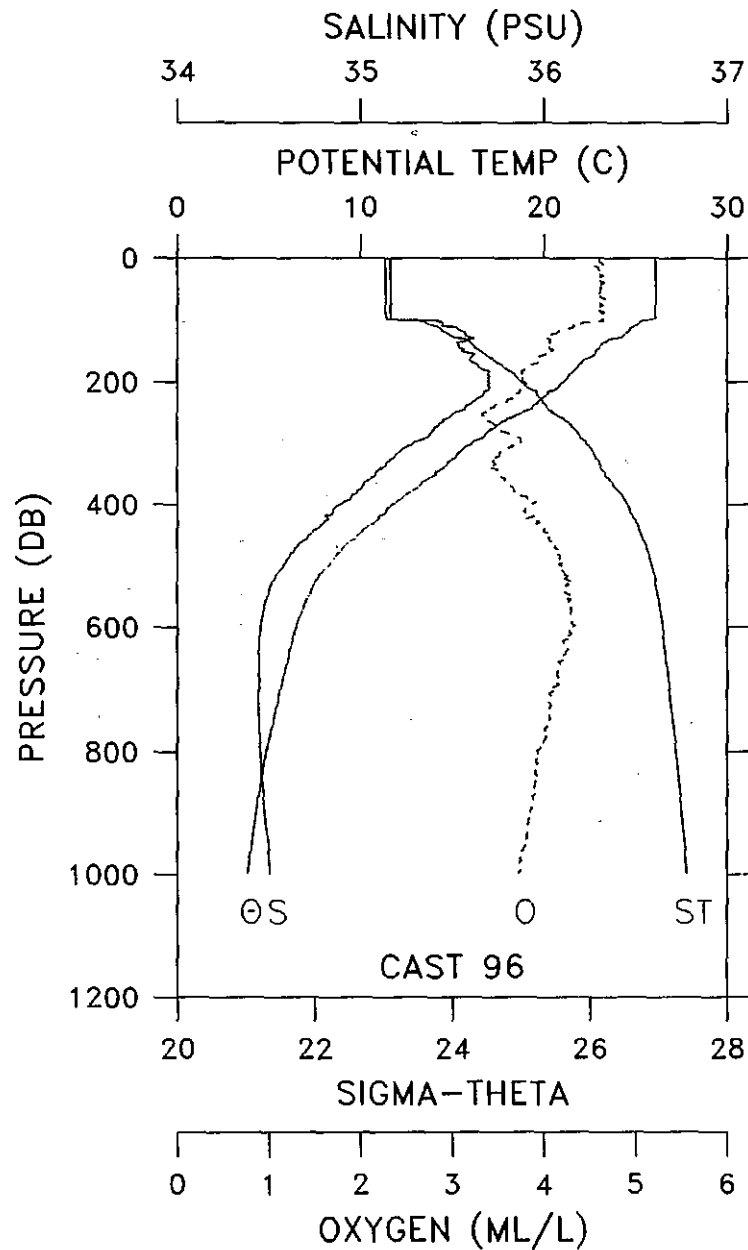
CAST TW2-87-OC-095 DATE 02 JUL 87 TIME 0904 GMT
 LAT 13 50.25 LONG 153 15.6E WEATHER 2 SEA STATE 3
 BAROMETER 16 WIND DIR 145 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 8 DRY 25.0 WET 23.7 DEPTH 4620 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.207	35.111	4.80	23.054	0.000
10	26.205	35.110	4.74	23.054	0.048
20	26.203	35.109	4.74	23.054	0.096
30	26.194	35.109	4.63	23.057	0.144
40	26.191	35.109	4.65	23.058	0.192
50	26.193	35.110	4.63	23.058	0.241
60	26.172	35.109	4.65	23.064	0.289
70	26.167	35.111	4.67	23.067	0.337
80	26.163	35.112	4.67	23.069	0.385
90	26.159	35.116	4.67	23.073	0.434
100	25.475	35.440	4.64	23.530	0.481
110	24.964	35.522	4.33	23.749	0.524
120	24.407	35.566	4.18	23.950	0.565
130	24.046	35.629	3.93	24.106	0.604
140	23.606	35.737	3.81	24.318	0.642
150	23.129	35.783	3.72	24.492	0.677
160	22.480	35.787	3.70	24.682	0.711
170	22.006	35.815	3.63	24.837	0.744
180	21.263	35.766	3.66	25.007	0.775
190	20.858	35.743	3.71	25.100	0.805
200	20.342	35.680	3.79	25.191	0.834
250	18.103	35.513	3.96	25.640	0.964
300	15.453	35.220	3.75	26.041	1.076
350	12.438	34.921	3.64	26.444	1.169
400	10.944	34.798	3.54	26.628	1.248
450	9.368	34.678	3.61	26.806	1.319
500	8.052	34.572	3.87	26.930	1.382
550	7.173	34.504	4.17	27.004	1.441
600	6.495	34.470	4.23	27.070	1.496
650	5.986	34.453	4.16	27.122	1.549
700	5.492	34.453	4.08	27.183	1.598
750	5.153	34.454	4.02	27.224	1.646
800	4.927	34.464	3.94	27.258	1.691
900	4.368	34.483	3.82	27.336	1.777
1000	3.913	34.508	3.67	27.404	1.857
1500	2.759	34.598	3.23	27.586	2.190
2000	2.186	34.643	3.33	27.671	2.467
2500	1.893	34.678	3.63	27.722	2.721
3000	1.723	34.702	3.95	27.754	2.961
3500	1.566	34.715	4.17	27.777	3.196
4000	1.502	34.718	4.28	27.784	3.433
4500	1.483	34.719	4.34	27.786	3.679
4674	1.480	34.719	4.40	27.786	3.767

CAST TW2-87-OC-096 DATE 02 JUL 87 TIME 1548 GMT
LAT 14 29.7S LONG 153 00.4E

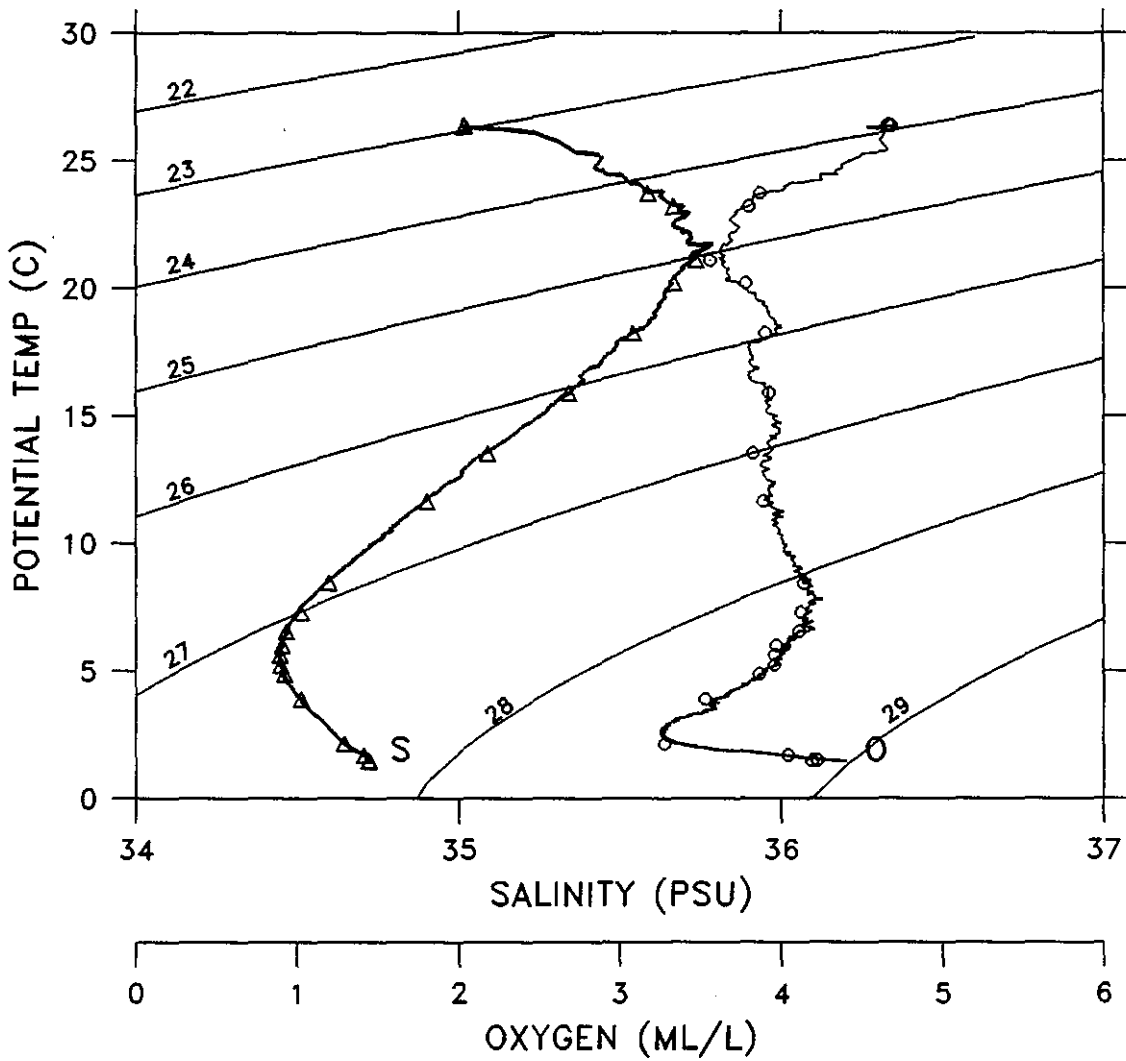


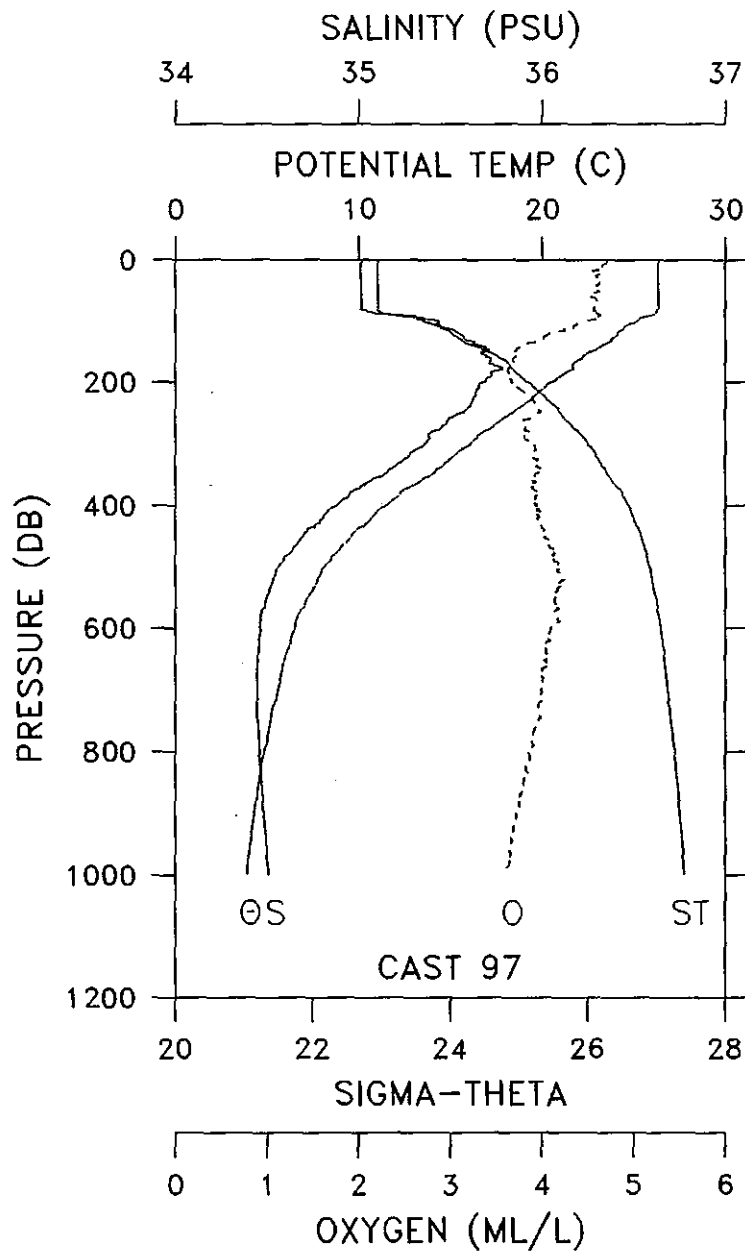
CAST TW2-87-OC-096 DATE 02 JUL 87 TIME 1548 GMT
 LAT 14 29.7S LONG 153 00.4E WEATHER 1 SEA STATE 4
 BAROMETER 16 WIND DIR 140 T SPD 14 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 24.4 WET 22.2 DEPTH 4650 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.101	35.136	4.61	23.107	0.000
10	26.102	35.137	4.65	23.106	0.048
20	26.104	35.136	4.62	23.106	0.095
30	26.102	35.137	4.63	23.107	0.143
40	26.107	35.136	4.65	23.105	0.191
50	26.106	35.137	4.62	23.105	0.238
60	26.105	35.137	4.66	23.106	0.286
70	26.102	35.137	4.66	23.107	0.334
80	26.103	35.137	4.60	23.107	0.382
90	26.094	35.141	4.63	23.112	0.430
100	25.564	35.370	4.63	23.450	0.477
110	24.903	35.501	4.34	23.752	0.520
120	24.502	35.574	4.13	23.928	0.561
130	23.741	35.616	4.05	24.186	0.601
140	23.124	35.532	4.02	24.303	0.638
150	22.809	35.548	4.08	24.406	0.674
160	22.507	35.597	3.95	24.529	0.710
170	22.045	35.626	3.94	24.682	0.743
180	21.716	35.667	3.80	24.806	0.776
190	21.354	35.704	3.76	24.934	0.807
200	21.071	35.690	3.79	25.002	0.838
250	18.745	35.512	3.35	25.479	0.978
300	16.072	35.285	3.67	25.951	1.094
350	14.121	35.084	3.52	26.227	1.195
400	11.707	34.884	3.88	26.555	1.281
450	9.844	34.718	4.03	26.759	1.355
500	8.271	34.577	4.20	26.901	1.420
550	7.192	34.495	4.25	26.995	1.479
600	6.465	34.454	4.30	27.061	1.535
650	6.066	34.446	4.24	27.107	1.588
700	5.626	34.445	4.09	27.161	1.639
750	5.236	34.445	4.06	27.208	1.687
800	4.875	34.455	3.93	27.257	1.733
900	4.297	34.476	3.85	27.339	1.819
1000	3.839	34.507	3.72	27.411	1.897
1500	2.688	34.603	3.27	27.596	2.227
2000	2.153	34.647	3.38	27.677	2.500
2500	1.863	34.680	3.66	27.726	2.750
3000	1.692	34.706	4.01	27.760	2.988
3500	1.555	34.717	4.20	27.779	3.221
4000	1.502	34.719	4.28	27.784	3.457
4500	1.484	34.720	4.37	27.786	3.702
4697	1.483	34.719	4.38	27.786	3.803

CAST TW2-87-OC-097 DATE 03 JUL 87 TIME 0008 GMT
LAT 14 30.9S LONG 151 58.8E

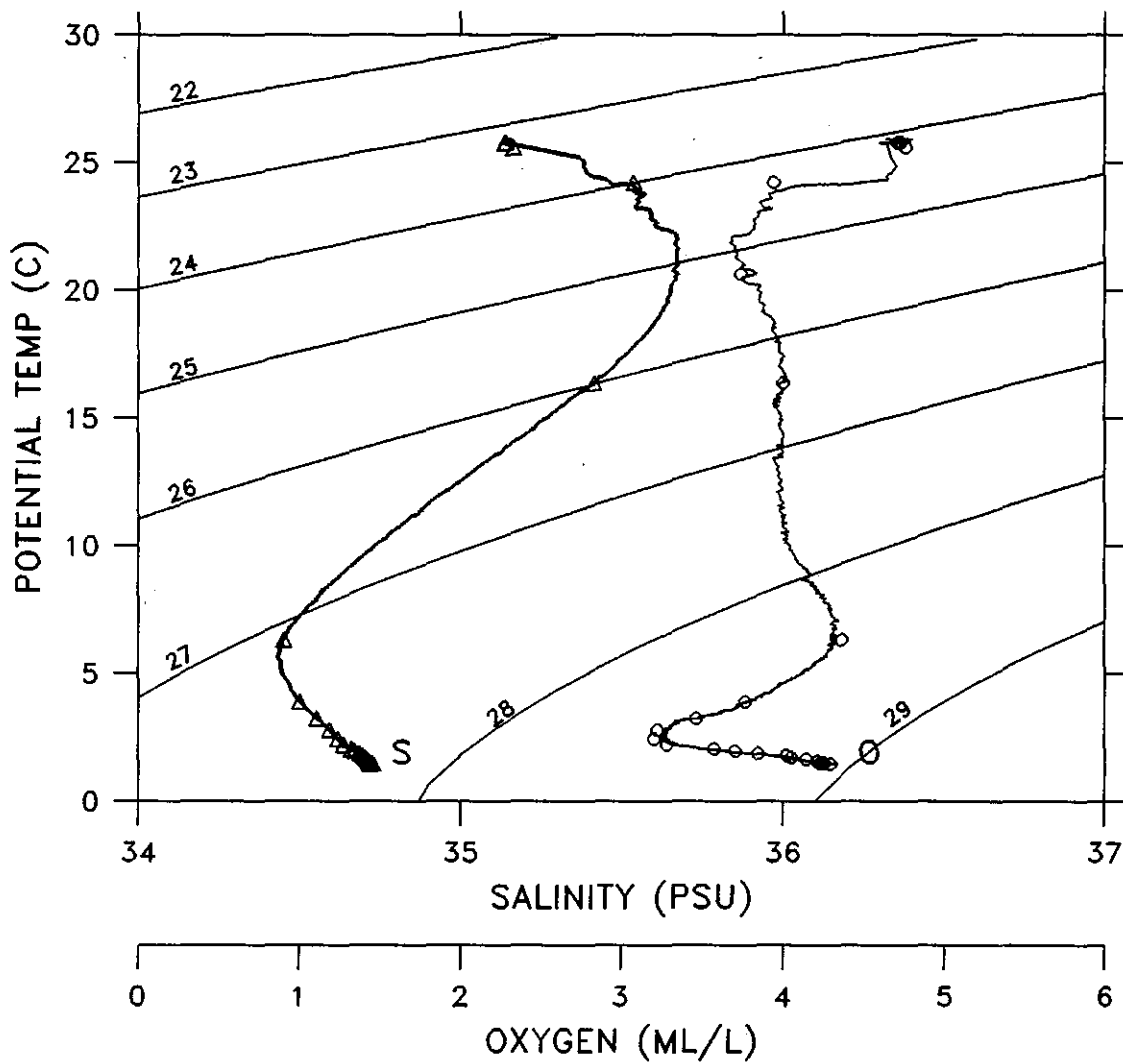




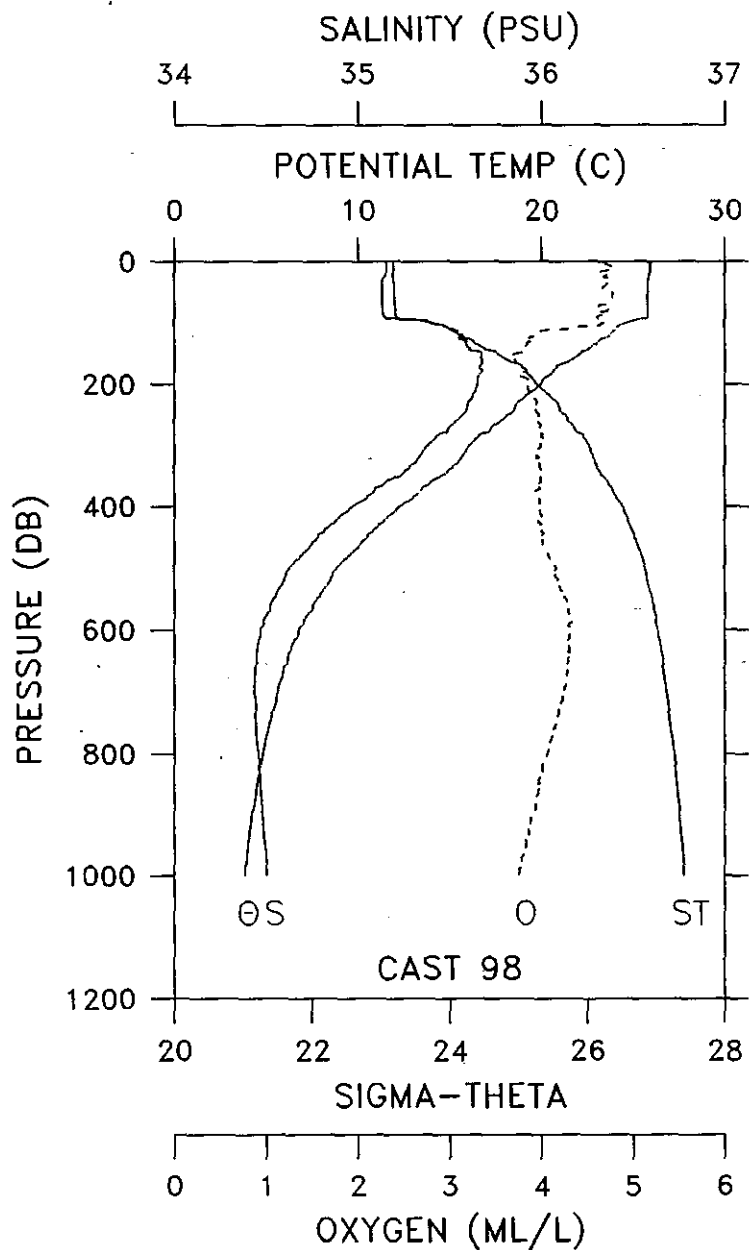
CAST TW2-87-OC-097 DATE 03 JUL 87 TIME 0008 GMT
 LAT 14 30.9S LONG 151 58.8E WEATHER 1 SEA STATE 4
 BAROMETER 18 WIND DIR 140 T SPD 14 KT VISIBILITY 9
 CLOUD 8 AMOUNT 3 DRY 26.5 WET 24.2 DEPTH 4647 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.330	35.012	4.71	22.941	0.000
10	26.328	35.013	4.66	22.942	0.049
20	26.331	35.012	4.58	22.941	0.098
30	26.330	35.012	4.63	22.941	0.148
40	26.327	35.012	4.64	22.942	0.197
50	26.326	35.013	4.61	22.943	0.246
60	26.324	35.013	4.52	22.943	0.295
70	26.325	35.013	4.58	22.943	0.345
80	26.324	35.013	4.56	22.944	0.394
90	26.093	35.232	4.64	23.181	0.443
100	25.122	35.443	4.49	23.641	0.488
110	24.485	35.458	4.35	23.845	0.530
120	24.128	35.547	4.10	24.019	0.570
130	23.777	35.586	3.97	24.153	0.608
140	23.264	35.658	3.82	24.358	0.646
150	22.665	35.679	3.68	24.547	0.681
160	22.203	35.718	3.69	24.708	0.715
170	21.723	35.725	3.67	24.848	0.747
180	21.530	35.764	3.63	24.931	0.778
190	21.058	35.723	3.65	25.030	0.809
200	20.502	35.675	3.68	25.144	0.838
250	18.400	35.563	3.96	25.604	0.972
300	16.097	35.357	3.91	26.001	1.085
350	14.001	35.138	3.93	26.294	1.183
400	11.451	34.876	3.93	26.597	1.266
450	9.602	34.695	4.05	26.782	1.338
500	8.147	34.563	4.16	26.909	1.403
550	7.240	34.498	4.16	26.990	1.462
600	6.528	34.465	4.11	27.061	1.518
650	5.998	34.451	4.06	27.119	1.571
700	5.583	34.446	3.98	27.167	1.621
750	5.207	34.450	3.97	27.216	1.669
800	4.837	34.459	3.86	27.265	1.715
900	4.324	34.484	3.72	27.341	1.800
1000	3.917	34.509	3.59	27.404	1.879
1500	2.738	34.598	3.27	27.588	2.212
2000	2.164	34.645	3.34	27.674	2.488
2500	1.871	34.682	3.68	27.727	2.738
3000	1.692	34.707	4.01	27.761	2.974
3500	1.562	34.716	4.17	27.778	3.207
4000	1.505	34.719	4.28	27.784	3.443
4500	1.483	34.719	4.34	27.786	3.689
4702	1.483	34.719	4.38	27.786	3.792

CAST TW2-87-0C-098 DATE 03 JUL 87 TIME 0949 GMT
LAT 14 59.7S LONG 151 29.3E

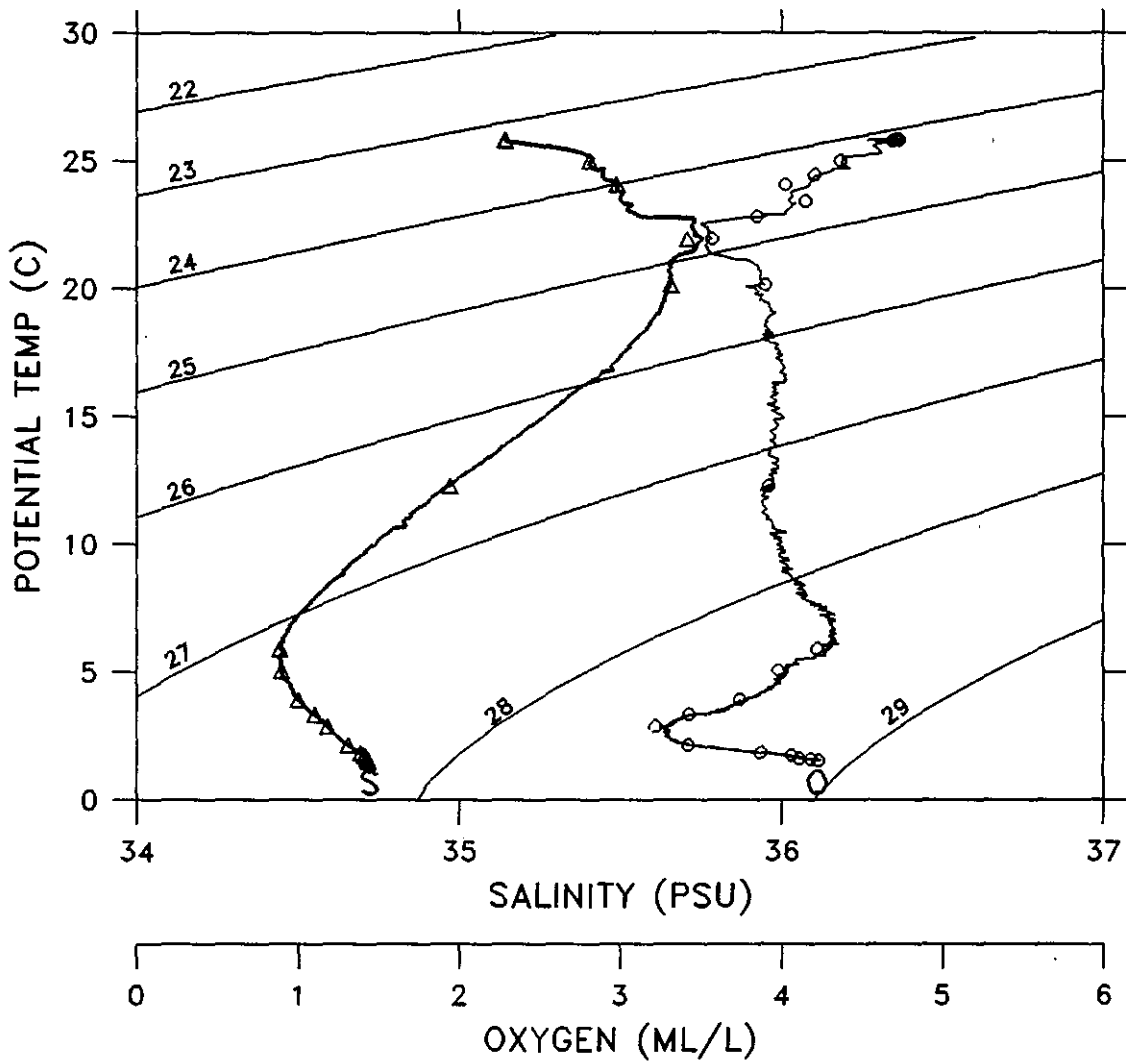


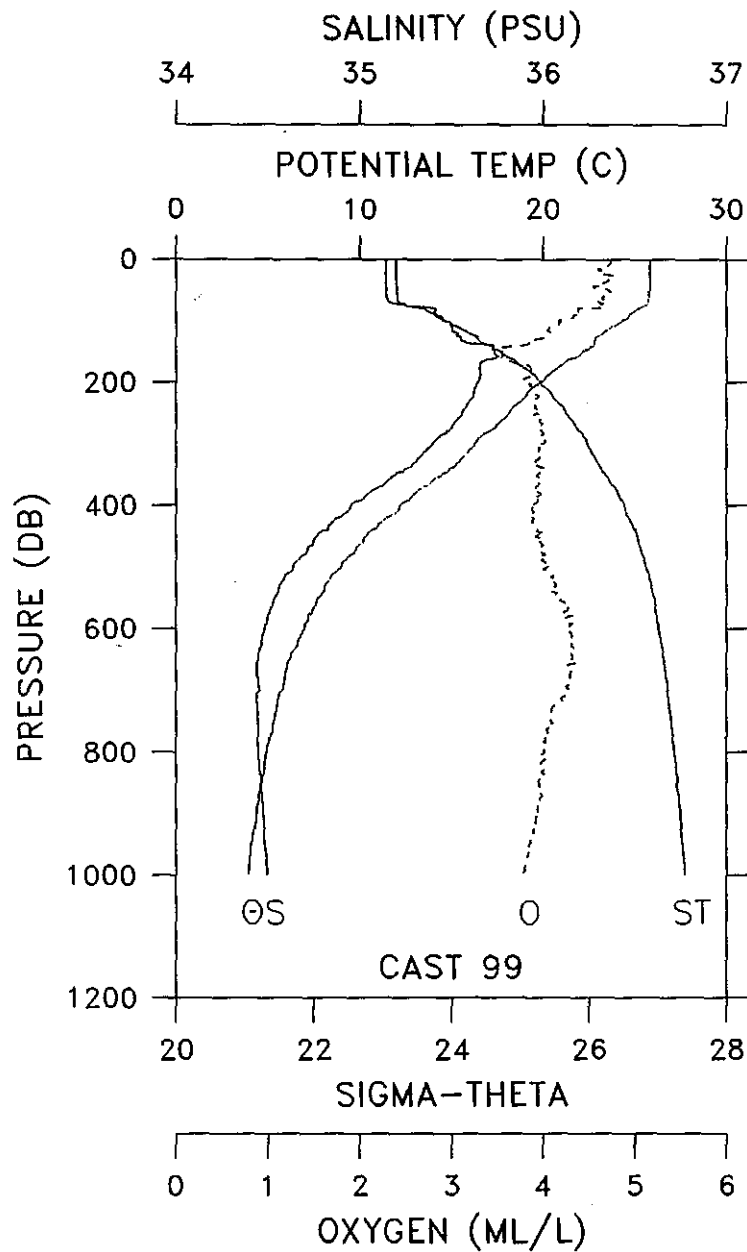
CAST TW2-87-OC-098 DATE 03 JUL 87 TIME 0949 GMT
 LAT 14 59.7S LONG 151 29.3E WEATHER 1 SEA STATE 3
 BAROMETER 17 WIND DIR 150 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 25.9 WET 21.9 DEPTH 4140 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.910	35.154	4.69	23.179	0.000
10	25.921	35.154	4.78	23.176	0.047
20	25.914	35.152	4.71	23.177	0.094
30	25.841	35.135	4.73	23.187	0.141
40	25.810	35.132	4.69	23.194	0.188
50	25.802	35.131	4.78	23.195	0.235
60	25.795	35.132	4.77	23.199	0.281
70	25.785	35.133	4.62	23.202	0.328
80	25.781	35.134	4.72	23.204	0.375
90	25.753	35.145	4.60	23.221	0.422
100	24.546	35.398	4.65	23.782	0.466
110	24.118	35.534	4.16	24.012	0.506
120	23.727	35.570	3.91	24.155	0.545
130	23.104	35.591	3.86	24.353	0.582
140	22.675	35.612	3.83	24.493	0.618
150	22.117	35.673	3.70	24.698	0.652
160	21.572	35.675	3.71	24.852	0.684
170	20.835	35.662	3.75	25.044	0.714
180	20.602	35.672	3.79	25.115	0.744
190	20.193	35.655	3.84	25.212	0.773
200	19.995	35.652	3.84	25.262	0.801
250	18.098	35.564	3.97	25.681	0.929
300	16.042	35.378	4.00	26.029	1.040
350	14.631	35.233	3.98	26.233	1.140
400	12.208	34.967	4.00	26.524	1.227
450	10.526	34.782	3.99	26.691	1.304
500	8.871	34.628	4.18	26.848	1.372
550	7.772	34.539	4.26	26.945	1.435
600	6.796	34.470	4.31	27.029	1.493
650	6.155	34.447	4.29	27.096	1.547
700	5.631	34.434	4.23	27.152	1.598
750	5.206	34.444	4.17	27.211	1.646
800	4.823	34.455	4.07	27.263	1.692
900	4.235	34.482	3.92	27.350	1.777
1000	3.852	34.506	3.76	27.409	1.855
1500	2.801	34.595	3.28	27.580	2.190
2000	2.201	34.643	3.33	27.669	2.470
2500	1.875	34.689	3.82	27.732	2.720
3000	1.643	34.711	4.07	27.768	2.952
3500	1.529	34.717	4.21	27.781	3.181
4000	1.488	34.719	4.28	27.786	3.415
4159	1.476	34.719	4.33	27.787	3.492

CAST TW2-87-OC-099 DATE 03 JUL 87 TIME 1355 GMT
LAT 15 12.8S LONG 151 19.2E

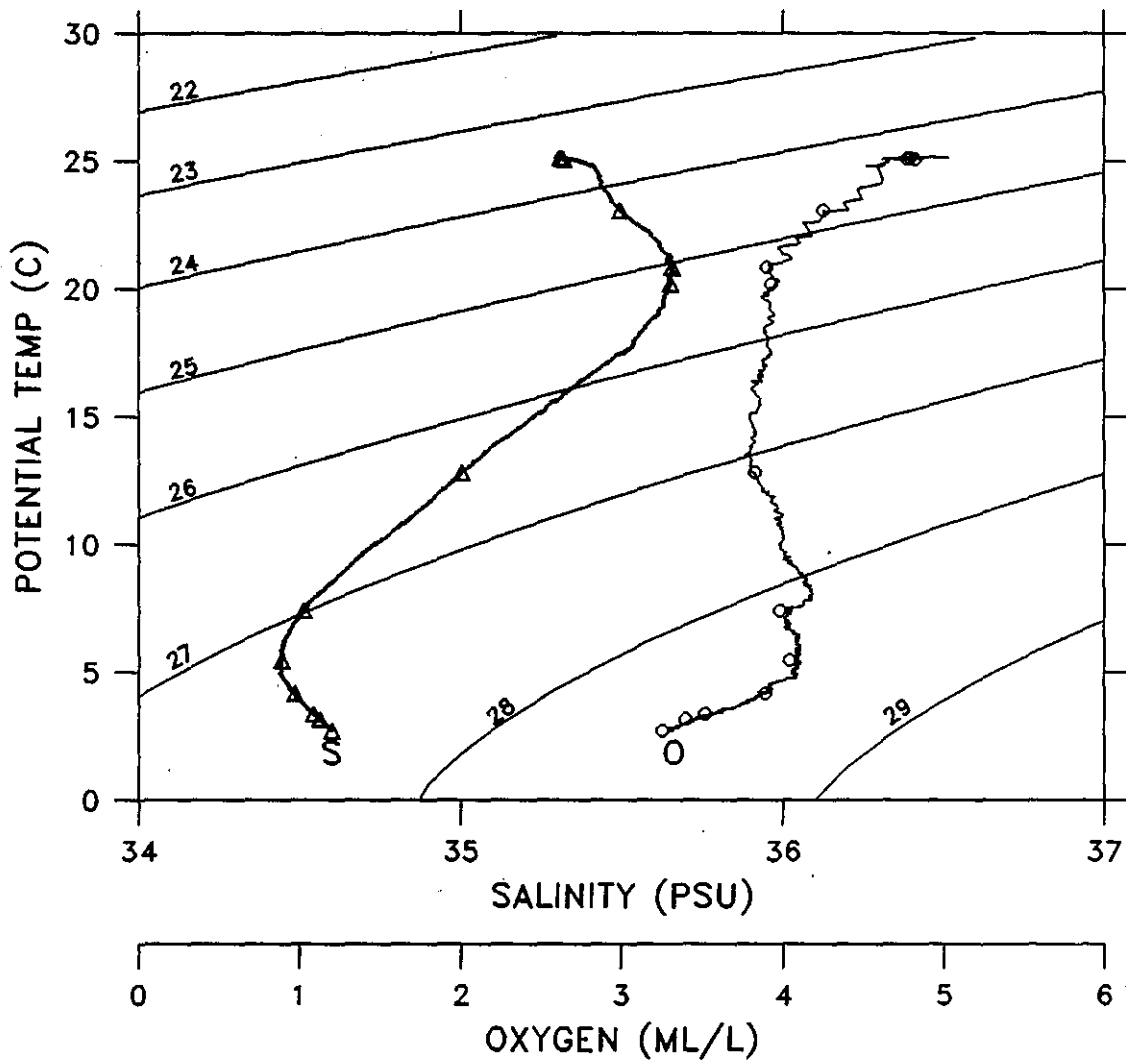




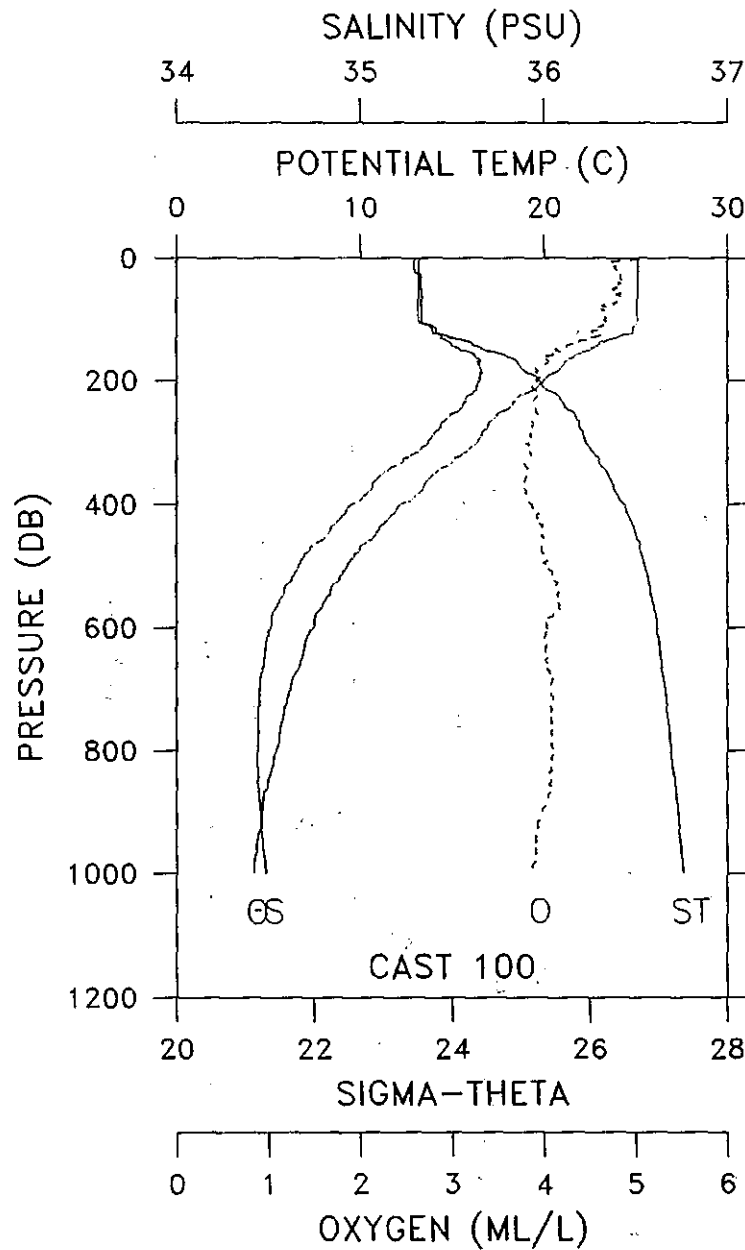
CAST TW2-87-OC-099 DATE 03 JUL 87 TIME 1355 GMT
 LAT 15 12.8S LONG 151 19.2E WEATHER 1 SEA STATE 3
 BAROMETER 17 WIND DIR 120 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 24.4 WET 22.2 DEPTH 3398 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.828	35.142	4.74	23.196	0.000
10	25.824	35.142	4.71	23.197	0.047
20	25.821	35.142	4.63	23.198	0.093
30	25.824	35.142	4.72	23.197	0.140
40	25.812	35.140	4.66	23.200	0.187
50	25.795	35.144	4.72	23.208	0.234
60	25.771	35.151	4.68	23.221	0.281
70	25.753	35.162	4.63	23.235	0.327
80	25.200	35.402	4.50	23.586	0.373
90	24.702	35.420	4.43	23.751	0.415
100	24.282	35.454	4.18	23.902	0.456
110	23.736	35.502	4.06	24.101	0.496
120	23.290	35.537	4.07	24.259	0.534
130	22.878	35.555	3.90	24.391	0.570
140	22.772	35.729	3.77	24.554	0.605
150	22.206	35.734	3.56	24.719	0.639
160	21.793	35.740	3.54	24.840	0.671
170	21.117	35.658	3.78	24.964	0.702
180	20.597	35.655	3.87	25.103	0.732
190	20.161	35.653	3.89	25.219	0.760
200	19.820	35.641	3.83	25.300	0.788
250	18.167	35.557	3.90	25.658	0.916
300	16.288	35.398	3.95	25.988	1.029
350	14.449	35.201	3.94	26.248	1.129
400	12.192	34.952	3.90	26.516	1.216
450	10.345	34.765	3.93	26.709	1.292
500	8.997	34.640	4.03	26.837	1.361
550	7.702	34.536	4.21	26.953	1.423
600	6.976	34.482	4.33	27.014	1.481
650	6.188	34.450	4.30	27.094	1.536
700	5.762	34.451	4.27	27.149	1.587
750	5.316	34.445	4.08	27.199	1.636
800	4.935	34.449	4.03	27.246	1.683
900	4.382	34.476	3.92	27.329	1.770
1000	3.941	34.496	3.77	27.391	1.850
1500	2.872	34.591	3.28	27.570	2.194
2000	2.131	34.654	3.46	27.684	2.476
2500	1.835	34.694	3.87	27.740	2.721
3000	1.635	34.711	4.11	27.768	2.953
3442	1.532	34.718	4.22	27.781	3.155

CAST TW2-87-OC-100 DATE 03 JUL 87 TIME 1809 GMT
LAT 15 29.1S LONG 151 02.2E

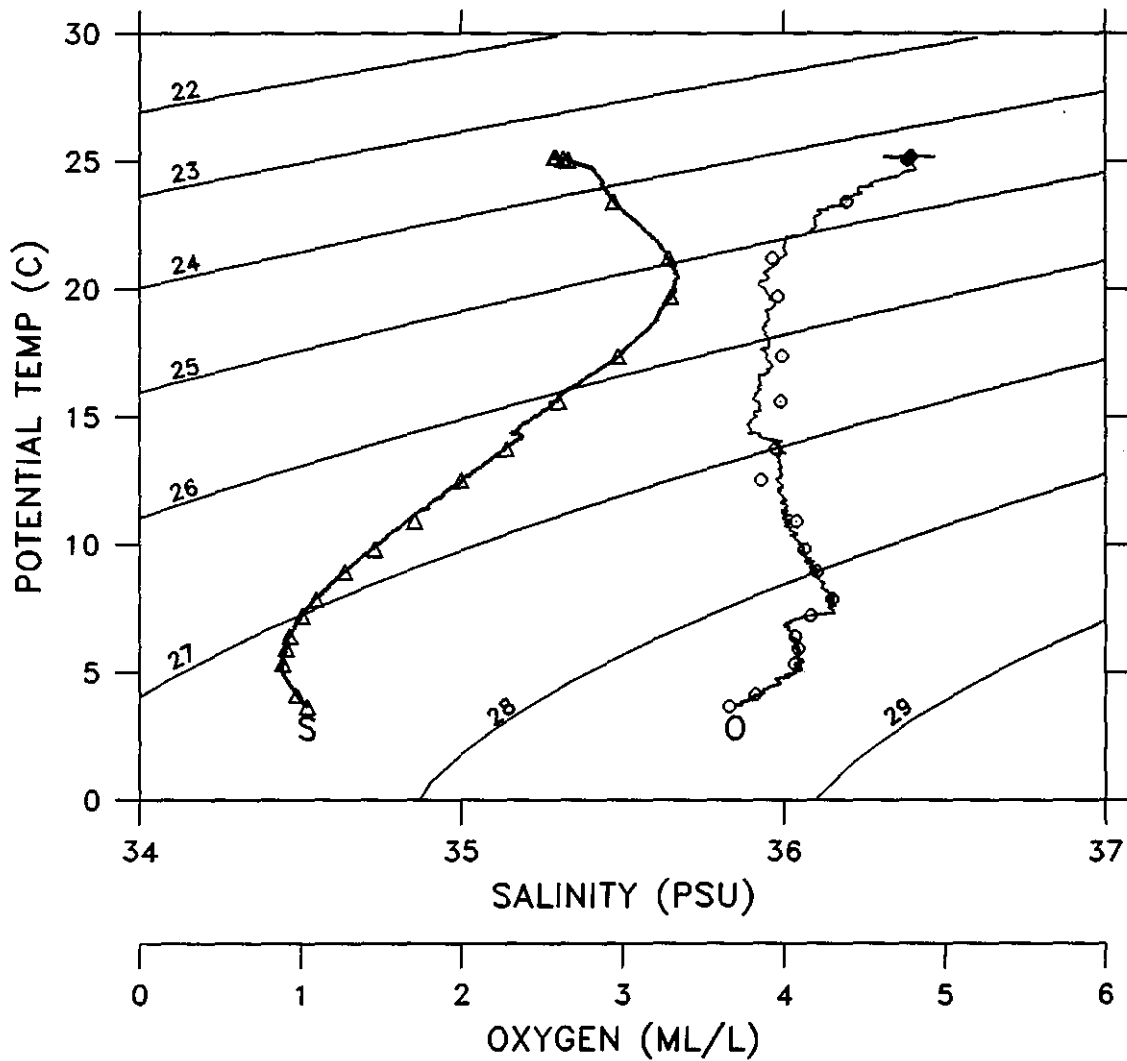


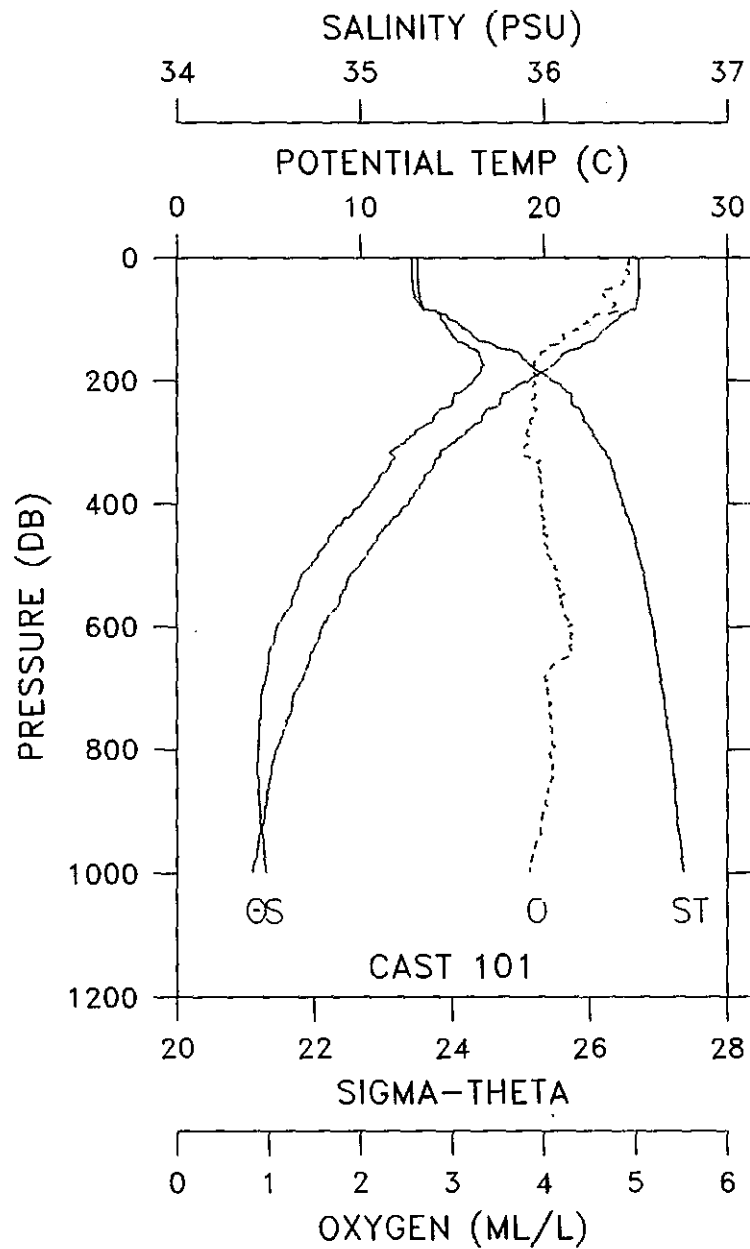
CAST TW2-87-0C-100 DATE 03 JUL 87 TIME 1809 GMT
 LAT 15 29.1S LONG 151 02.2E WEATHER 0 SEA STATE 5
 BAROMETER 16 WIND DIR 120 T SPD 24 KT VISIBILITY 8
 CLOUD 8 AMOUNT 1 DRY 23.6 WET 21.2 DEPTH 1525 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.136	35.293	5.03	23.523	0.000
10	25.142	35.295	4.77	23.523	0.044
20	25.144	35.299	4.79	23.525	0.087
30	25.119	35.317	4.84	23.547	0.131
40	25.110	35.318	4.81	23.550	0.174
50	25.098	35.318	4.74	23.553	0.218
60	25.092	35.318	4.79	23.555	0.261
70	25.088	35.317	4.81	23.556	0.305
80	25.087	35.318	4.65	23.557	0.348
90	25.084	35.317	4.71	23.557	0.392
100	25.082	35.318	4.66	23.559	0.436
110	24.974	35.382	4.65	23.640	0.479
120	24.814	35.414	4.52	23.712	0.522
130	23.930	35.446	4.47	24.001	0.563
140	23.049	35.497	4.29	24.298	0.601
150	22.579	35.544	4.12	24.469	0.636
160	21.674	35.622	4.03	24.783	0.670
170	21.141	35.638	4.05	24.943	0.701
180	20.937	35.655	3.90	25.011	0.732
190	20.288	35.654	3.98	25.185	0.761
200	19.971	35.647	3.92	25.264	0.789
250	17.695	35.534	3.91	25.758	0.917
300	16.374	35.369	3.86	25.946	1.028
350	14.120	35.132	3.81	26.264	1.128
400	12.342	34.966	3.86	26.497	1.216
450	10.813	34.816	3.97	26.666	1.294
500	9.291	34.664	4.03	26.809	1.364
550	8.225	34.576	4.18	26.907	1.428
600	7.428	34.512	4.01	26.974	1.488
650	6.817	34.479	4.03	27.033	1.545
700	6.189	34.452	4.10	27.095	1.600
750	5.785	34.445	4.08	27.141	1.651
800	5.405	34.441	4.11	27.184	1.701
900	4.648	34.460	3.97	27.287	1.794
1000	4.174	34.486	3.87	27.359	1.878
1500	2.727	34.600	3.32	27.591	2.227
1507	2.726	34.601	3.33	27.591	2.231

CAST TW2-87-OC-101 DATE 03 JUL 87 TIME 2101 GMT
LAT 15 42.0S LONG 150 48.3E

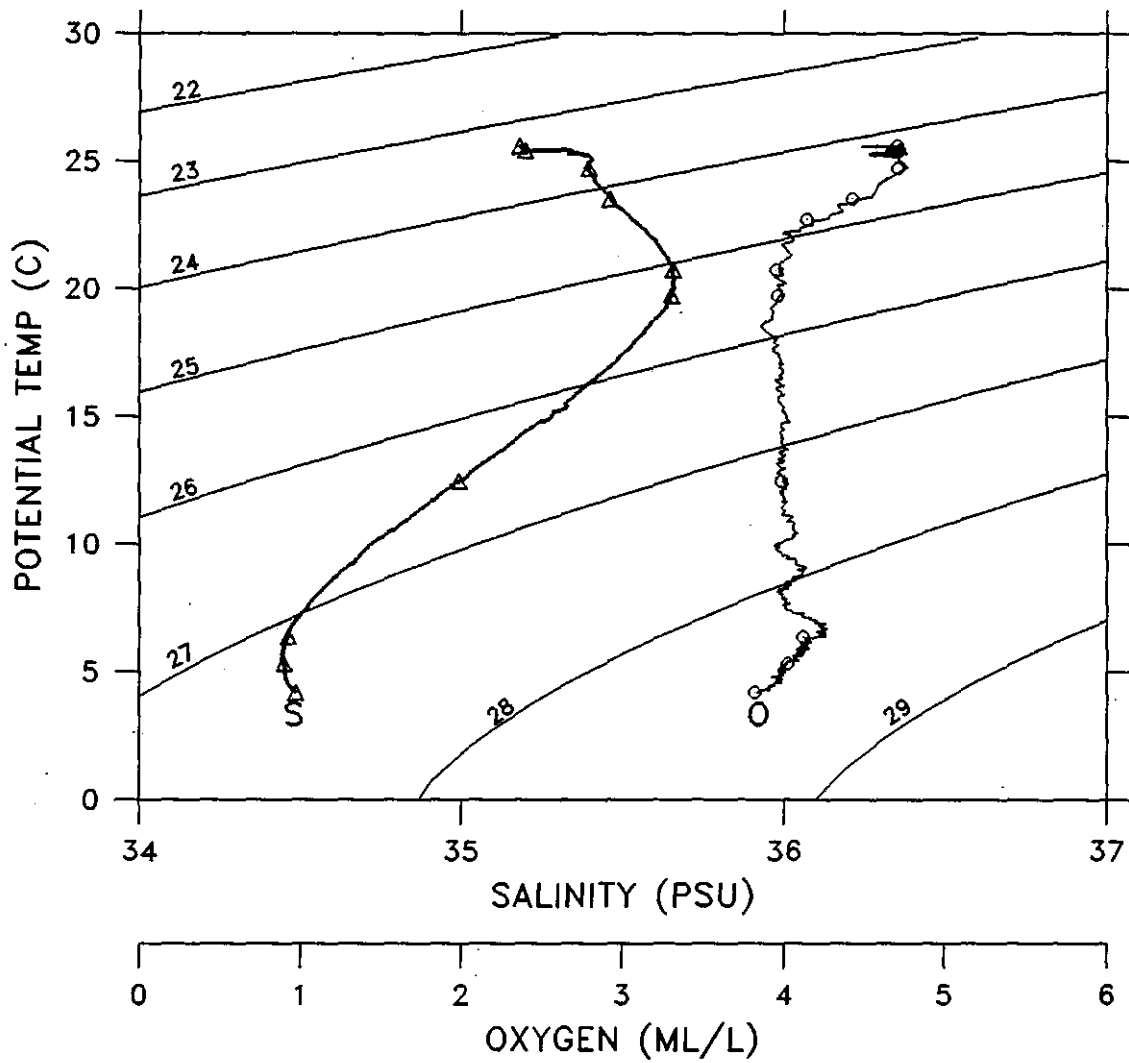




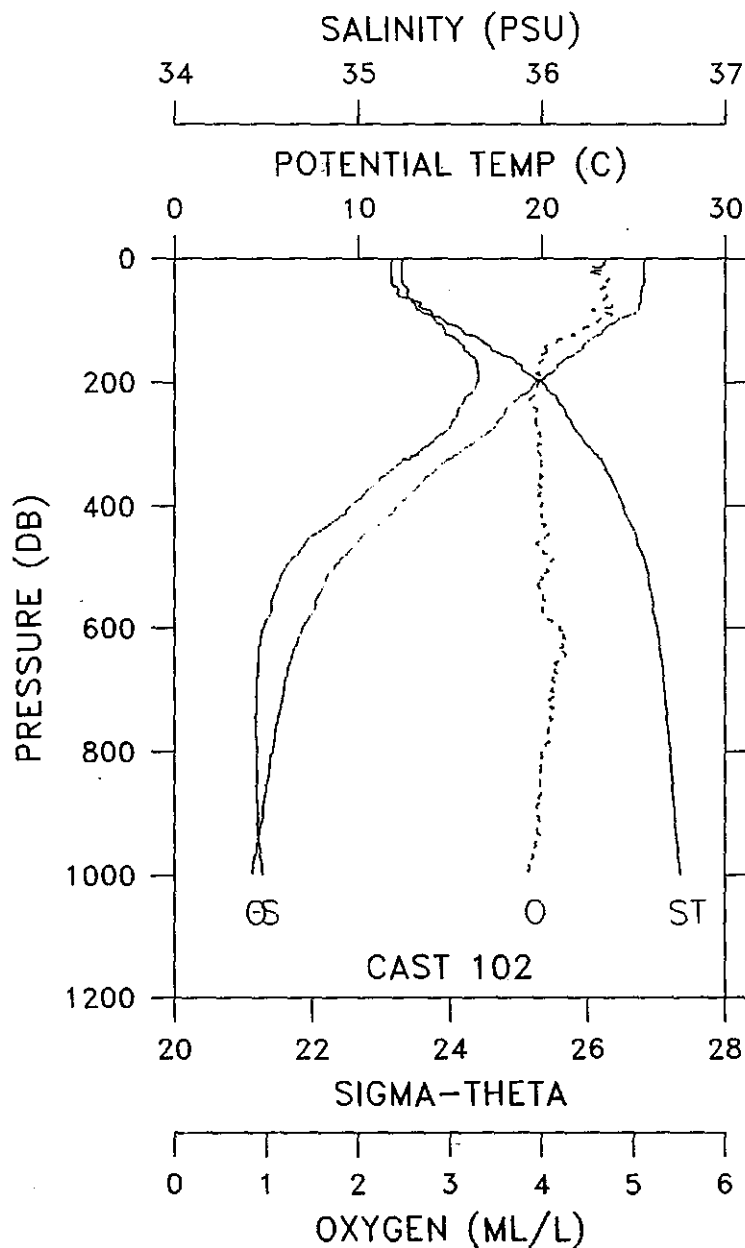
CAST TW2-87-0C-101 DATE 03 JUL 87 TIME 2101 GMT
 LAT 15 42.0S LONG 150 48.3E WEATHER 0 SEA STATE 4
 BAROMETER 17 WIND DIR 125 T SPD 17 KT VISIBILITY 8
 CLOUD 6 AMOUNT 2 DRY 24.4 WET 21.5 DEPTH 1139 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.178	35.283	4.93	23.503	0.000
10	25.178	35.283	4.93	23.503	0.044
20	25.184	35.283	4.90	23.501	0.088
30	25.182	35.283	4.89	23.501	0.131
40	25.182	35.283	4.88	23.502	0.175
50	25.177	35.284	4.74	23.504	0.219
60	25.165	35.289	4.67	23.511	0.263
70	25.105	35.308	4.74	23.544	0.307
80	25.040	35.332	4.76	23.582	0.351
90	24.513	35.420	4.74	23.808	0.393
100	24.083	35.438	4.54	23.950	0.433
110	23.583	35.463	4.41	24.117	0.473
120	23.182	35.490	4.27	24.254	0.510
130	22.965	35.510	4.23	24.332	0.547
140	22.313	35.568	4.17	24.563	0.583
150	21.608	35.619	4.00	24.799	0.616
160	20.953	35.648	3.95	25.001	0.647
170	20.691	35.665	3.90	25.085	0.677
180	20.286	35.662	3.85	25.192	0.705
190	19.619	35.644	3.91	25.354	0.733
200	19.184	35.617	3.91	25.446	0.759
250	16.851	35.425	3.90	25.877	0.878
300	15.142	35.246	3.81	26.131	0.983
350	13.652	35.124	3.99	26.357	1.075
400	12.621	35.008	3.98	26.475	1.161
450	11.010	34.838	4.00	26.648	1.239
500	9.970	34.732	4.09	26.748	1.311
550	8.931	34.635	4.16	26.844	1.379
600	7.922	34.546	4.27	26.929	1.443
650	7.283	34.500	4.25	26.986	1.503
700	6.578	34.470	4.04	27.059	1.560
750	6.039	34.451	4.08	27.114	1.613
800	5.413	34.441	4.12	27.184	1.664
900	4.784	34.453	4.00	27.266	1.758
1000	4.125	34.486	3.85	27.365	1.843
1133	3.685	34.518	3.70	27.435	1.946

CAST TW2-87-OC-102 DATE 04 JUL 87 TIME 0020 GMT
LAT 16 00.1S LONG 150 29.7E

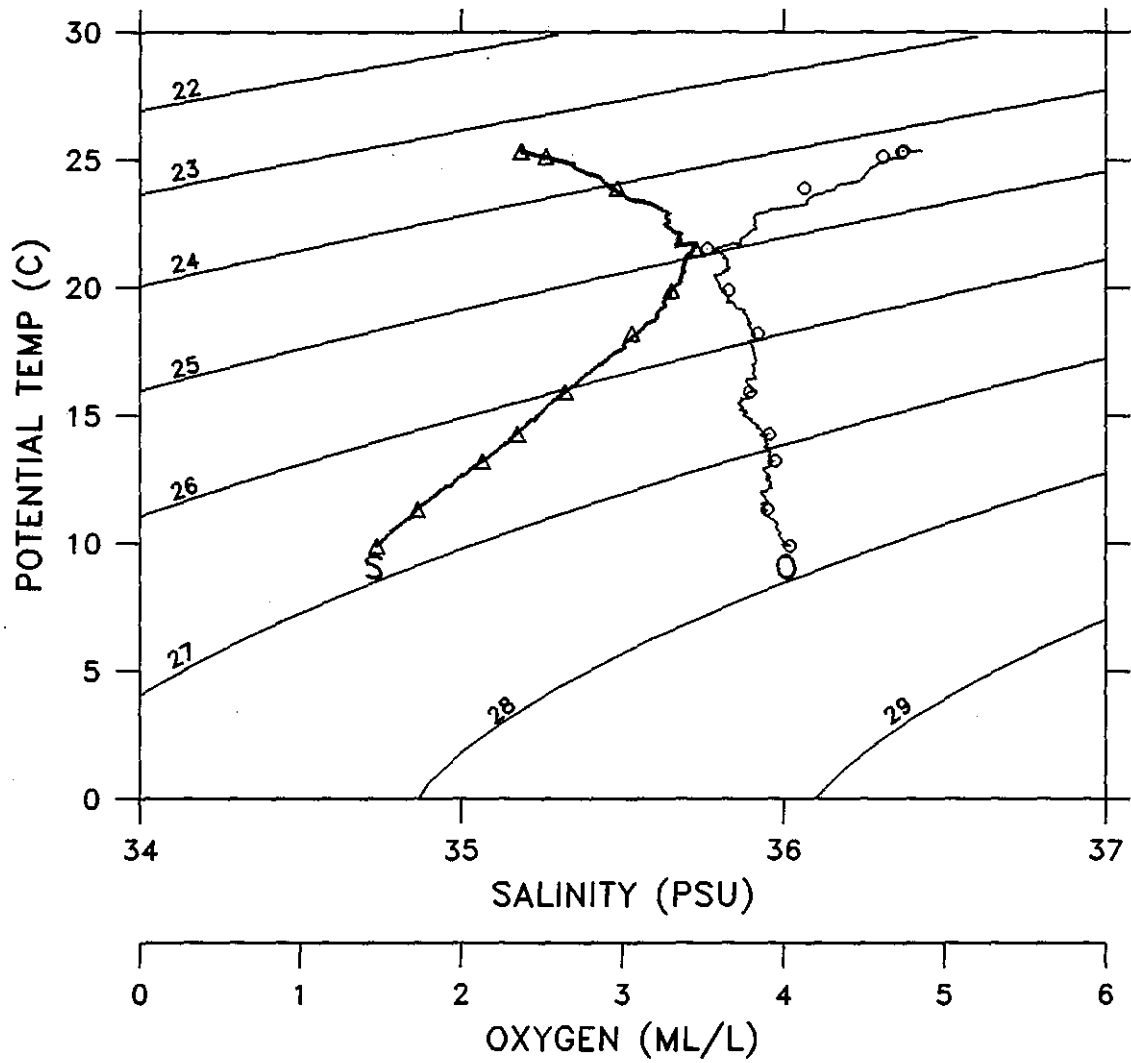


CAST TW2-87-OC-102 DATE 04 JUL 87 TIME 0020 GMT
 LAT 16 00.1S LONG 150 29.7E WEATHER 1 SEA STATE 4
 BAROMETER 17 WIND DIR 118 T SPD 20 KT VISIBILITY 9
 CLOUD 8 AMOUNT 2 DRY 25.6 WET 21.6 DEPTH 1031 M

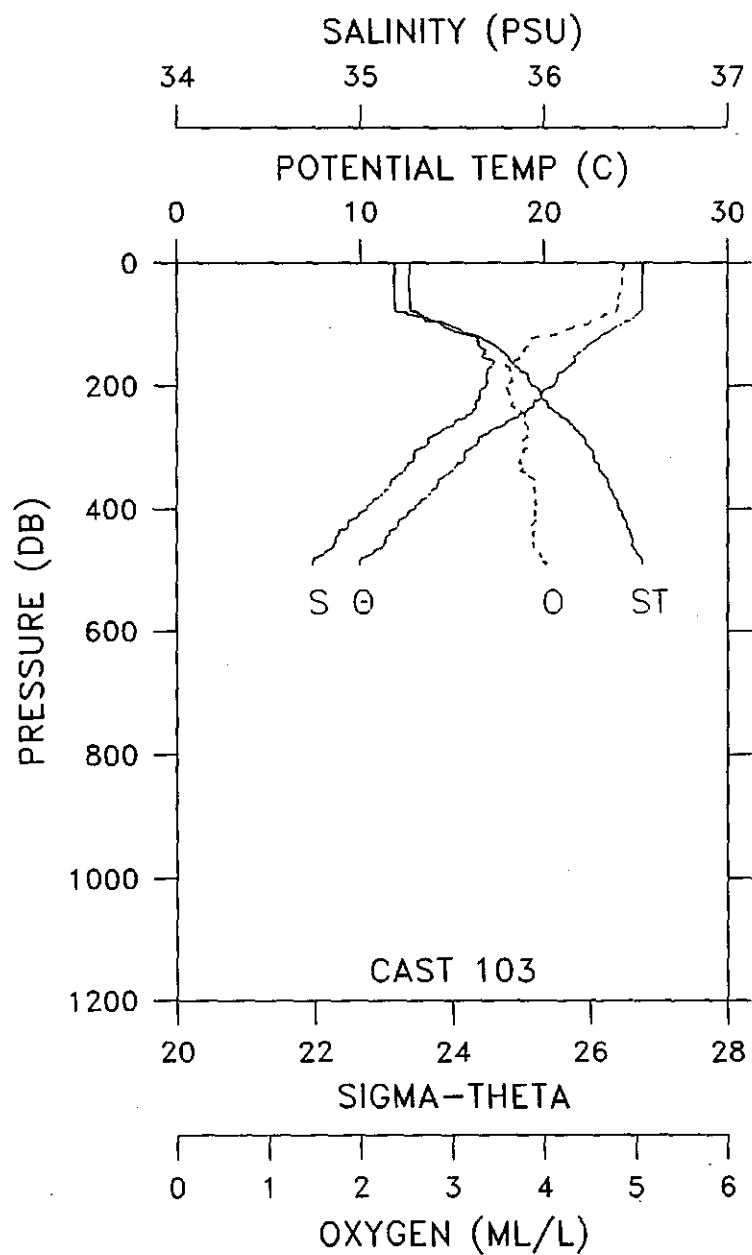


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.580	35.180	4.69	23.301	0.000
10	25.579	35.180	4.69	23.302	0.046
20	25.579	35.180	4.48	23.302	0.091
30	25.580	35.180	4.70	23.302	0.137
40	25.569	35.181	4.68	23.306	0.183
50	25.410	35.215	4.65	23.380	0.229
60	25.405	35.222	4.71	23.387	0.274
70	25.417	35.333	4.72	23.467	0.318
80	25.309	35.349	4.69	23.513	0.363
90	24.909	35.394	4.75	23.669	0.406
100	24.173	35.416	4.60	23.907	0.447
110	23.598	35.459	4.55	24.109	0.487
120	23.299	35.477	4.36	24.210	0.525
130	22.654	35.537	4.18	24.442	0.561
140	22.272	35.574	4.10	24.579	0.596
150	22.100	35.583	4.03	24.634	0.630
160	21.361	35.631	4.04	24.876	0.662
170	20.947	35.649	3.97	25.004	0.693
180	20.731	35.654	3.97	25.066	0.723
190	20.235	35.656	4.01	25.201	0.752
200	19.686	35.648	3.97	25.340	0.780
250	17.986	35.540	3.95	25.690	0.906
300	16.212	35.389	4.00	25.999	1.019
350	13.955	35.153	3.99	26.316	1.115
400	12.198	34.959	4.00	26.520	1.200
450	10.215	34.738	4.04	26.711	1.277
500	8.713	34.606	4.08	26.855	1.344
550	7.805	34.536	4.01	26.938	1.407
600	6.982	34.484	4.19	27.015	1.465
650	6.370	34.460	4.22	27.078	1.521
700	5.967	34.448	4.10	27.121	1.573
750	5.636	34.444	4.10	27.159	1.624
800	5.330	34.448	4.01	27.199	1.673
900	4.805	34.452	3.96	27.263	1.766
1000	4.244	34.482	3.86	27.349	1.852
1010	4.202	34.485	3.84	27.355	1.860

CAST TW2-87-OC-103 DATE 04 JUL 87 TIME 0605 GMT
LAT 16 43.7S LONG 149 43.5E

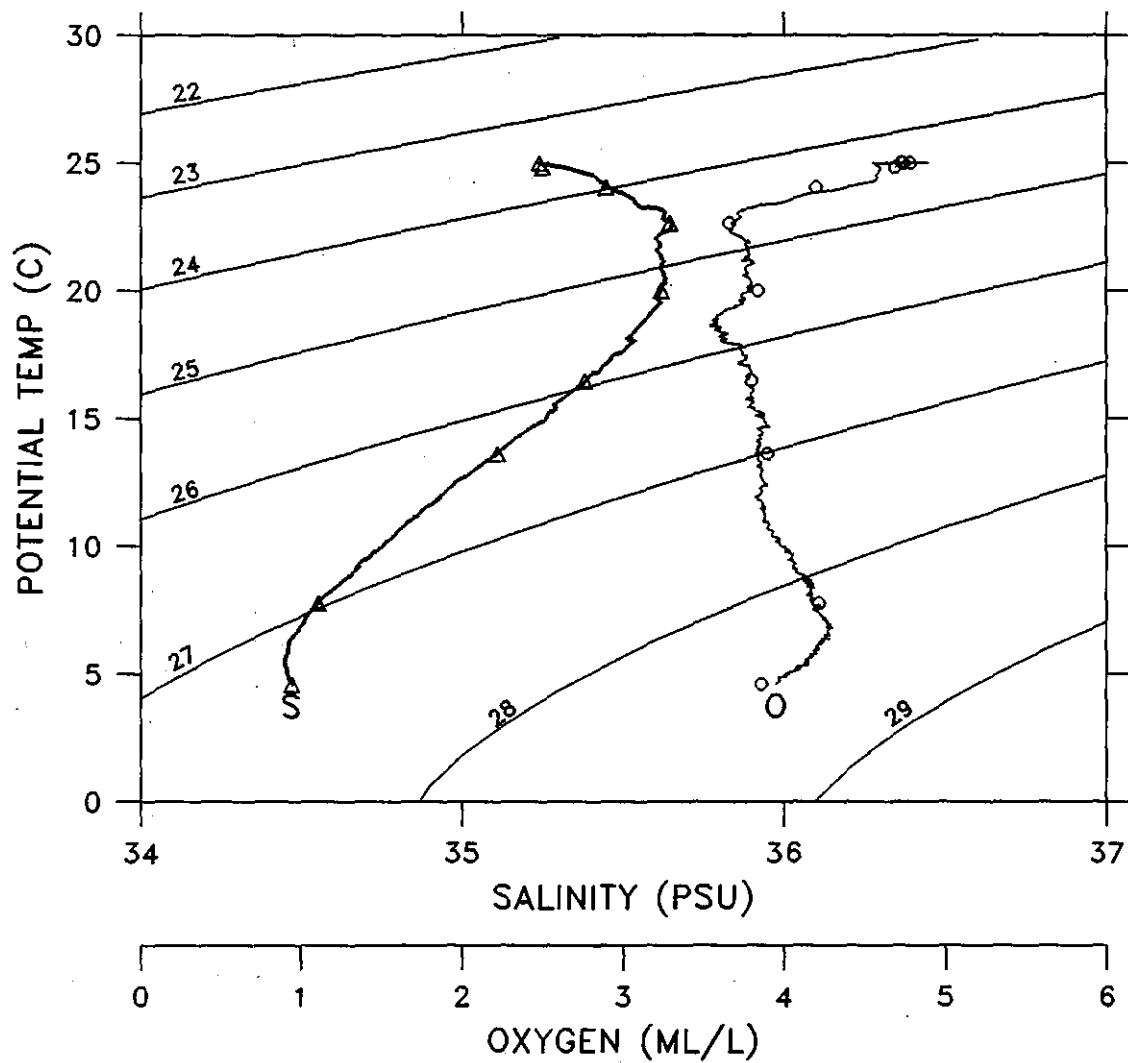


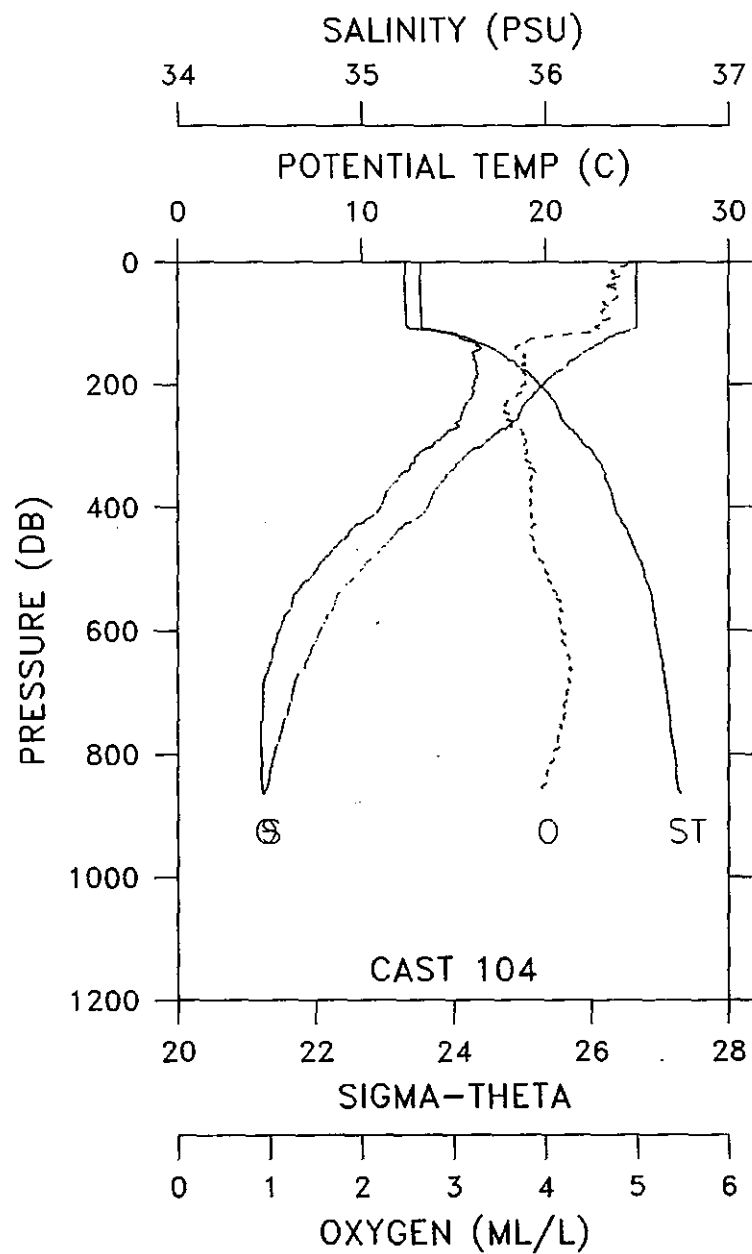
CAST TW2-87-OC-103 DATE 04 JUL 87 TIME 0605 GMT
 LAT 16 43.7S LONG 149 43.5E WEATHER 1 SEA STATE 4
 BAROMETER 16 WIND DIR 150 T SPD 20 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 24.7 WET 21.5 DEPTH 0507 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.362	35.185	4.86	23.372	0.000
10	25.360	35.185	4.85	23.373	0.045
20	25.361	35.184	4.85	23.372	0.090
30	25.358	35.184	4.85	23.373	0.135
40	25.354	35.184	4.83	23.374	0.180
50	25.334	35.183	4.82	23.380	0.225
60	25.328	35.183	4.81	23.381	0.271
70	25.325	35.184	4.81	23.383	0.316
80	25.221	35.225	4.77	23.445	0.361
90	24.841	35.350	4.58	23.656	0.405
100	24.210	35.435	4.48	23.910	0.446
110	23.675	35.496	4.24	24.115	0.486
120	23.077	35.621	3.97	24.384	0.523
130	22.607	35.648	3.82	24.539	0.558
140	22.118	35.667	3.78	24.693	0.592
150	21.796	35.674	3.73	24.789	0.624
160	21.715	35.725	3.68	24.850	0.656
170	21.371	35.712	3.61	24.935	0.687
180	20.796	35.687	3.65	25.074	0.718
190	20.678	35.687	3.64	25.106	0.747
200	20.508	35.682	3.58	25.148	0.776
250	18.590	35.575	3.78	25.566	0.911
300	16.004	35.328	3.81	26.000	1.024
350	14.449	35.184	3.86	26.235	1.124
400	12.957	35.037	3.88	26.431	1.214
450	11.331	34.861	3.88	26.607	1.294
491	9.927	34.731	4.01	26.755	1.354

CAST TW2-87-OC-104 DATE 04 JUL 87 TIME 1119 GMT
LAT 17 17.8S LONG 149 00.2E

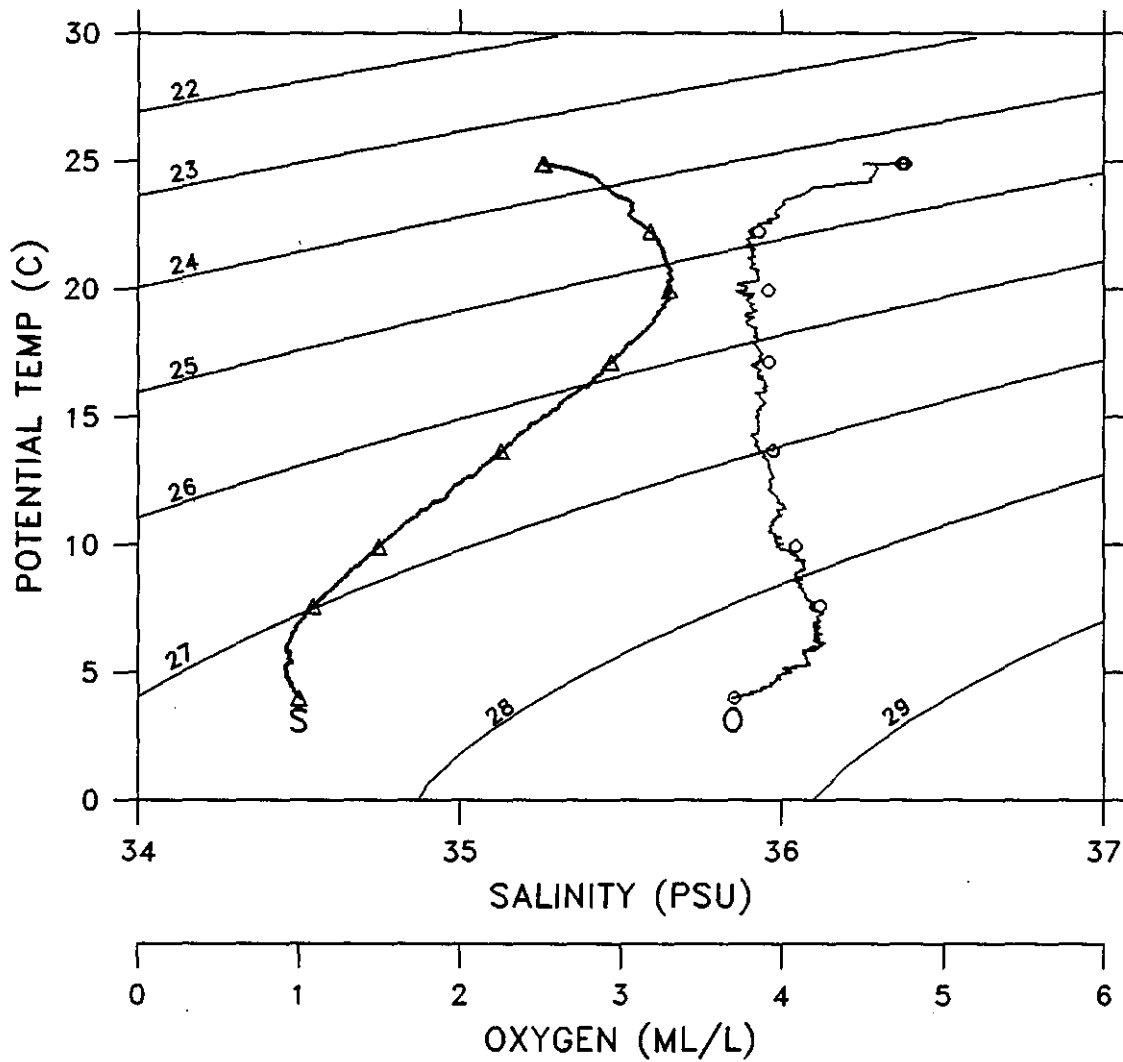




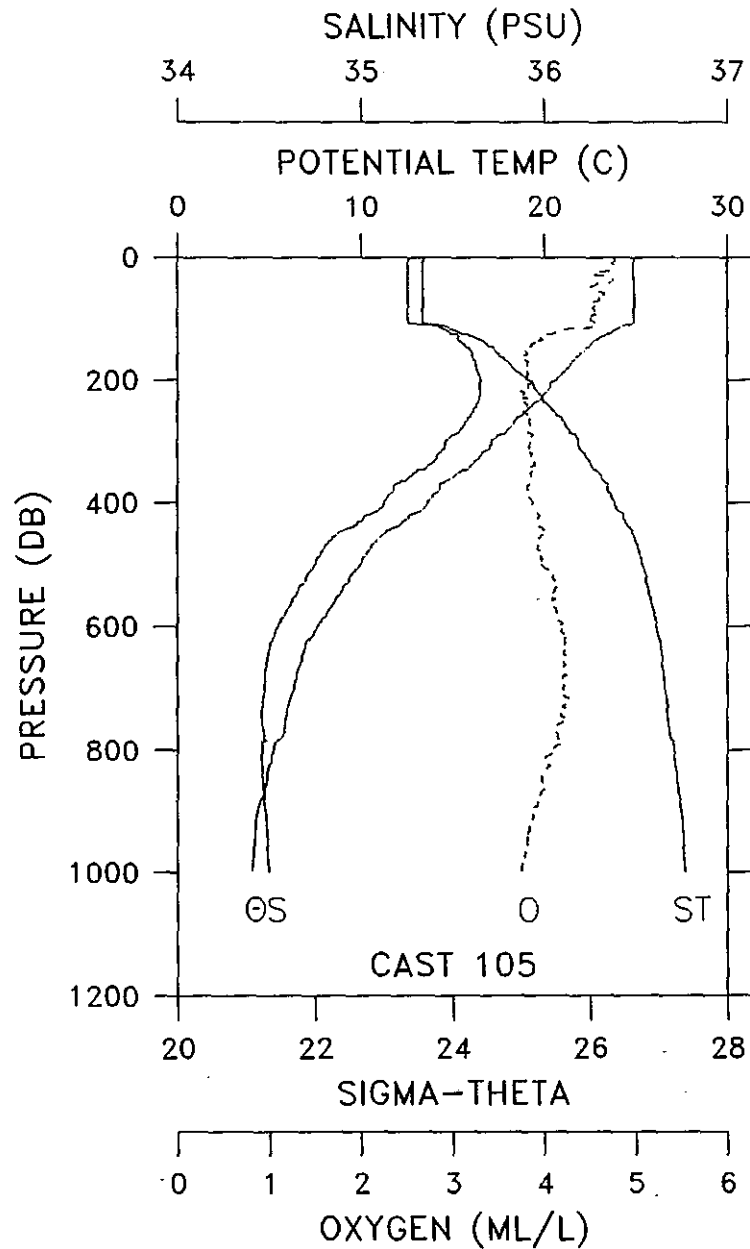
CAST TW2-87-OC-104 DATE 04 JUL 87 TIME 1119 GMT
 LAT 17 17.8S LONG 149 00.2E WEATHER 1 SEA STATE 3
 BAROMETER 19 WIND DIR 120 T SPD 24 KT VISIBILITY 9
 CLOUD 8 AMOUNT 4 DRY 24.0 WET 21.0 DEPTH 0885 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.000	35.238	4.89	23.523	0.000
10	24.998	35.238	4.80	23.523	0.044
20	24.995	35.238	4.83	23.525	0.087
30	24.999	35.237	4.77	23.523	0.131
40	24.998	35.238	4.69	23.523	0.175
50	24.998	35.238	4.82	23.524	0.218
60	24.997	35.239	4.75	23.524	0.262
70	24.993	35.239	4.66	23.526	0.306
80	24.985	35.241	4.63	23.530	0.350
90	24.981	35.240	4.67	23.530	0.394
100	24.976	35.241	4.62	23.532	0.438
110	24.704	35.353	4.59	23.700	0.481
120	23.670	35.520	4.10	24.134	0.521
130	23.218	35.606	3.78	24.332	0.559
140	22.612	35.653	3.69	24.542	0.594
150	21.986	35.605	3.76	24.683	0.627
160	21.367	35.620	3.79	24.867	0.660
170	21.143	35.628	3.81	24.934	0.691
180	20.602	35.626	3.75	25.080	0.721
190	20.194	35.621	3.80	25.185	0.750
200	19.934	35.616	3.76	25.250	0.778
250	18.560	35.543	3.57	25.549	0.910
300	16.578	35.388	3.78	25.913	1.027
350	14.642	35.211	3.86	26.213	1.128
400	13.584	35.105	3.84	26.356	1.219
450	11.699	34.914	3.87	26.580	1.303
500	10.010	34.754	3.99	26.759	1.377
550	8.631	34.626	4.13	26.884	1.444
600	7.756	34.557	4.18	26.962	1.506
650	6.943	34.506	4.28	27.038	1.564
700	6.253	34.464	4.24	27.097	1.618
750	5.762	34.454	4.17	27.151	1.670
800	5.228	34.453	4.10	27.215	1.719
864	4.608	34.472	3.95	27.301	1.777

CAST TW2-87-OC-105 DATE 04 JUL 87 TIME 2217 GMT
LAT 17 55.4S LONG 148 27.1E

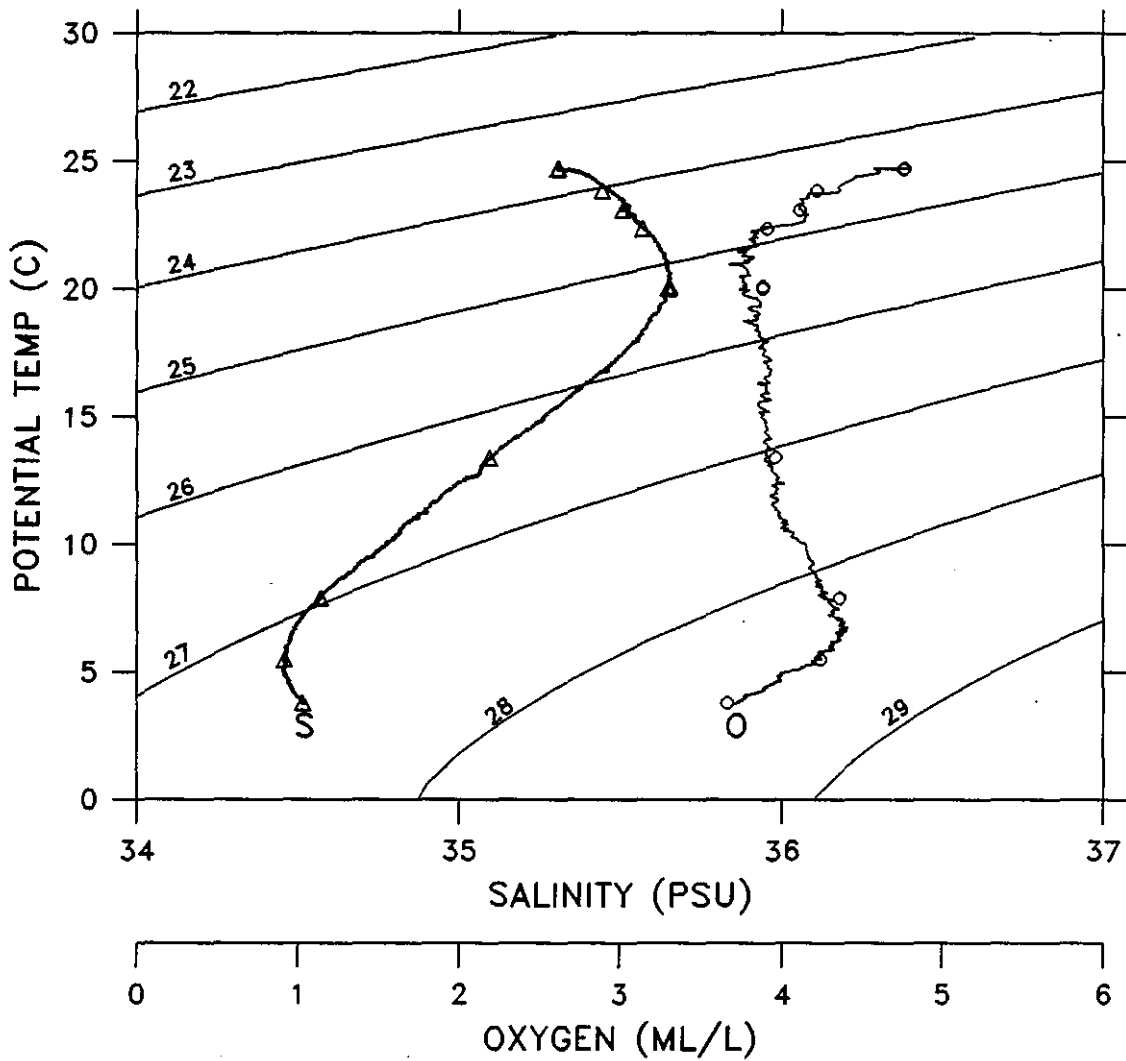


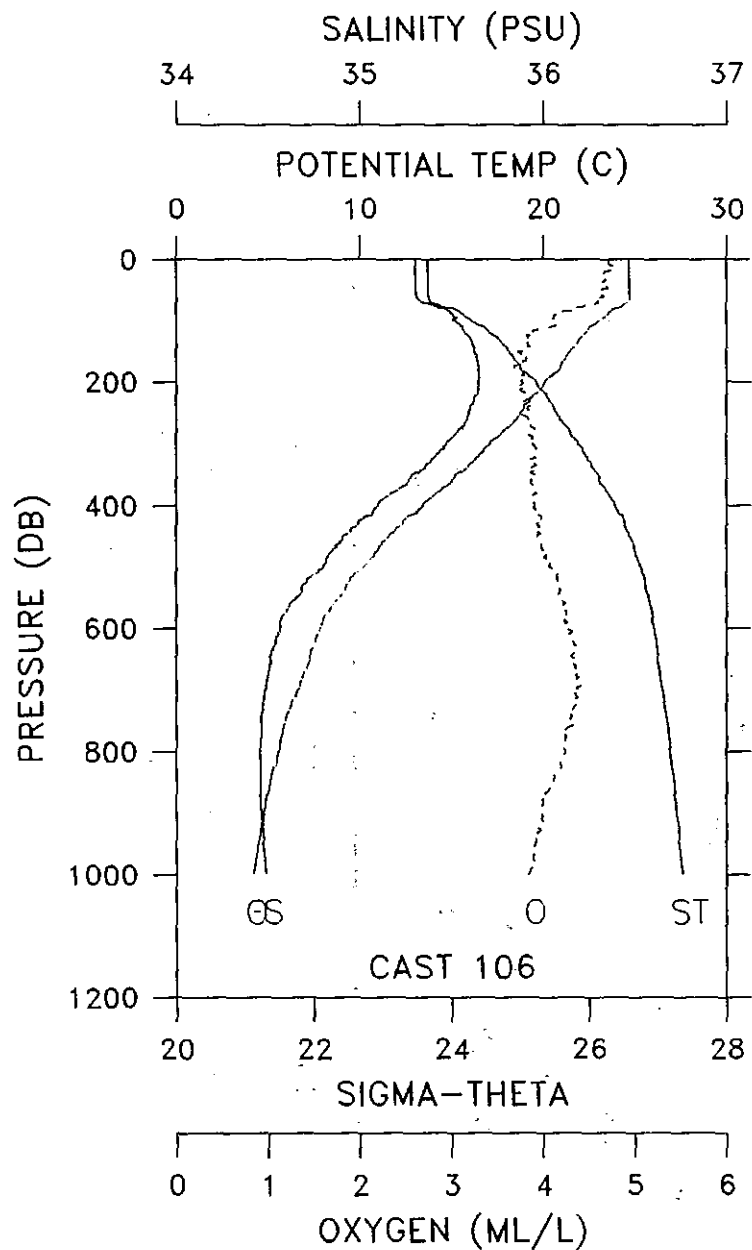
CAST TW2-87-0C-105 DATE 04 JUL 87 TIME 2217 GMT
 LAT 17 55.4S LONG 148 27.1E WEATHER 1 SEA STATE 4
 BAROMETER 19 WIND DIR 132 T SPD 24 KT VISIBILITY 9
 CLOUD 8 AMOUNT 3 DRY 23.5 WET 21.0 DEPTH 1030 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.895	35.256	4.77	23.569	0.000
10	24.895	35.257	4.74	23.569	0.043
20	24.891	35.257	4.73	23.570	0.086
30	24.893	35.256	4.68	23.569	0.130
40	24.898	35.256	4.73	23.568	0.173
50	24.900	35.256	4.54	23.567	0.216
60	24.901	35.256	4.65	23.567	0.260
70	24.901	35.256	4.60	23.567	0.303
80	24.900	35.257	4.56	23.568	0.346
90	24.900	35.256	4.50	23.567	0.390
100	24.899	35.257	4.51	23.568	0.434
110	24.582	35.369	4.58	23.748	0.477
120	23.760	35.474	4.14	24.073	0.517
130	23.061	35.534	3.96	24.323	0.555
140	22.570	35.559	3.90	24.482	0.590
150	22.228	35.593	3.81	24.606	0.625
160	21.968	35.610	3.79	24.692	0.658
170	21.574	35.628	3.81	24.815	0.691
180	21.354	35.631	3.82	24.879	0.723
190	20.965	35.639	3.83	24.991	0.753
200	20.643	35.649	3.85	25.086	0.783
250	19.062	35.615	3.81	25.476	0.922
300	17.153	35.466	3.86	25.836	1.043
350	15.390	35.302	3.87	26.119	1.151
400	13.643	35.124	3.88	26.359	1.244
450	11.227	34.871	3.99	26.634	1.327
500	9.931	34.744	3.97	26.764	1.399
550	8.827	34.646	4.08	26.869	1.465
600	7.677	34.549	4.20	26.968	1.527
650	6.767	34.489	4.20	27.048	1.584
700	6.344	34.472	4.21	27.091	1.638
750	5.902	34.460	4.16	27.138	1.690
800	5.215	34.459	4.08	27.222	1.739
900	4.391	34.480	3.87	27.331	1.828
1000	4.044	34.500	3.73	27.384	1.909
1017	3.973	34.504	3.70	27.394	1.922

CAST TW2-87-OC-106 DATE 05 JUL 87 TIME 0049 GMT
LAT 17 58.1S LONG 148 16.2E

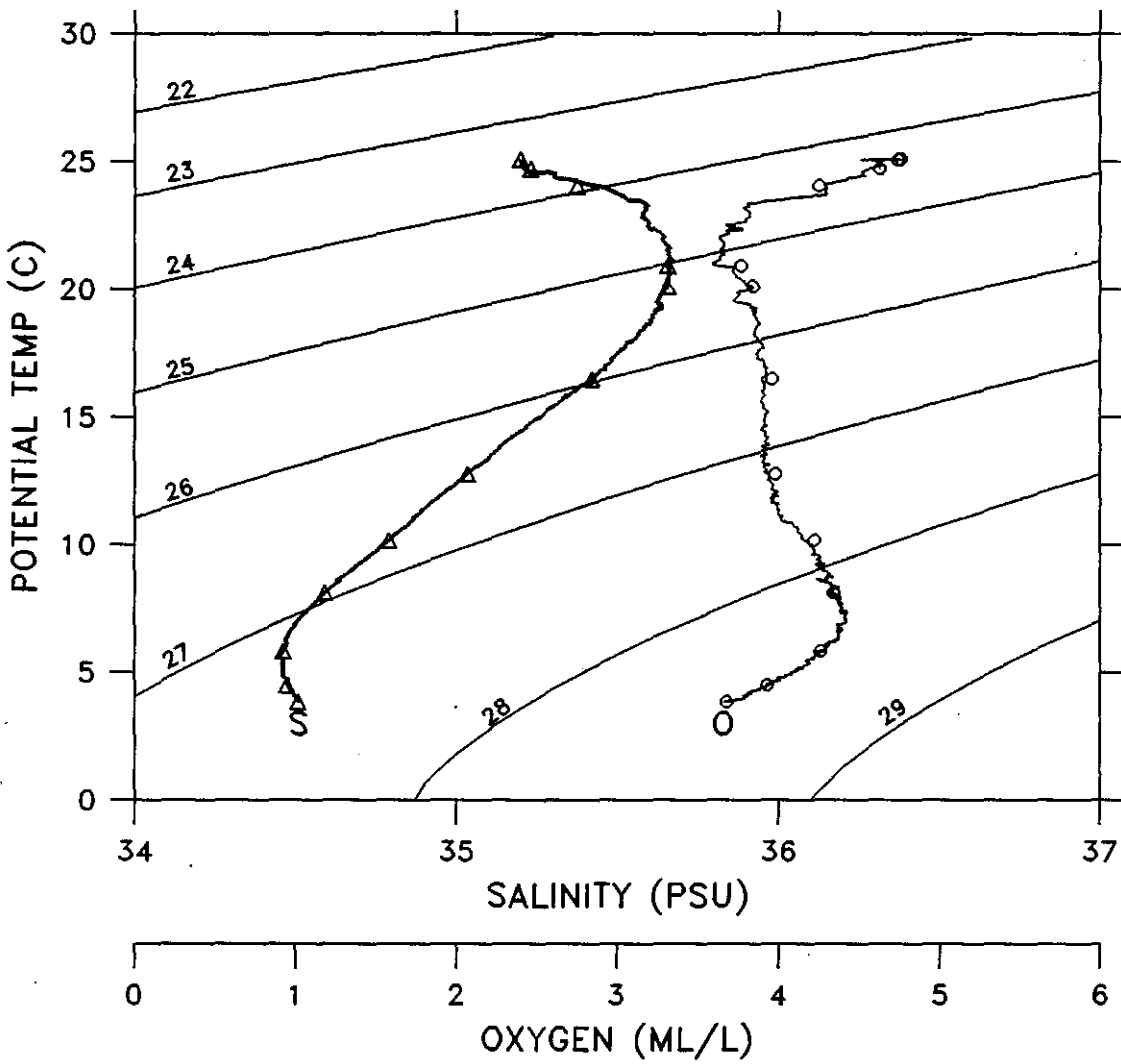




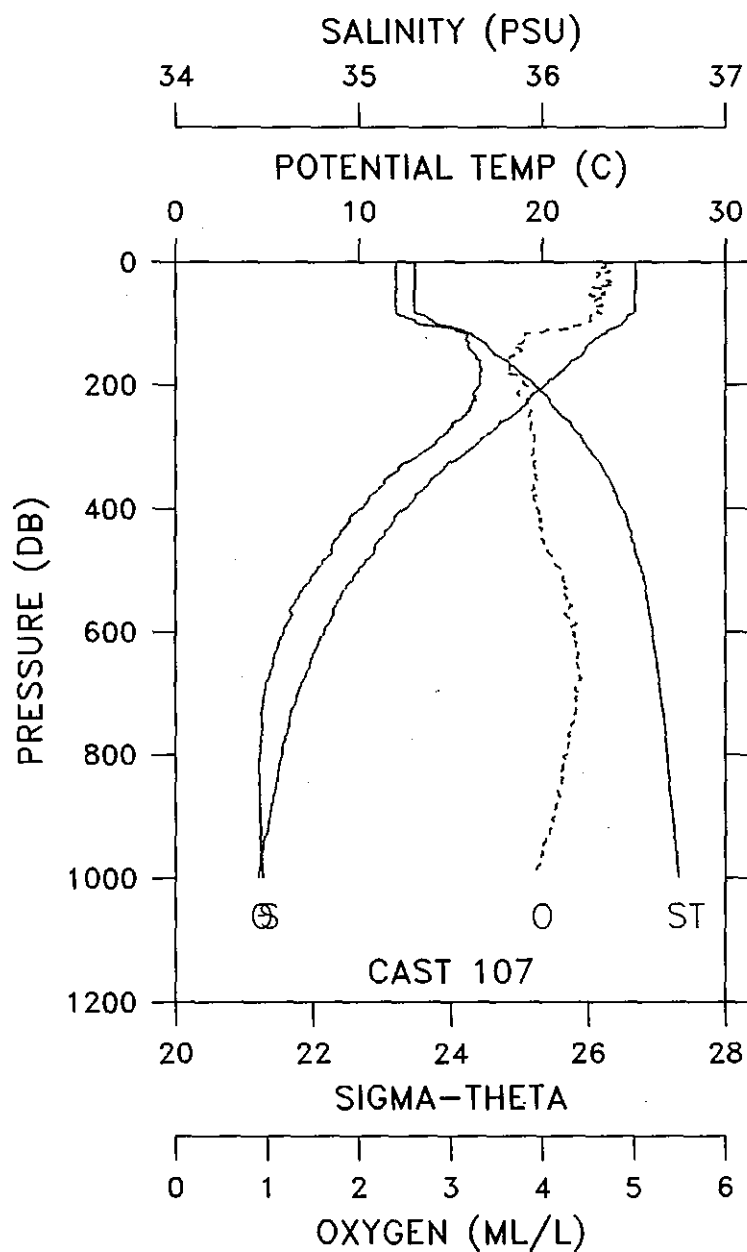
CAST TW2-87-OC-106 DATE 05 JUL 87 TIME 0049 GMT
 LAT 17 58.1S LONG 148 16.2E WEATHER 1 SEA STATE 4
 BAROMETER 20 WIND DIR 135 T SPD 24 KT VISIBILITY 9
 CLOUD 8 AMOUNT 4 DRY 23.6 WET 21.2 DEPTH 1093 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.712	35.306	4.71	23.662	0.000
10	24.713	35.305	4.76	23.660	0.042
20	24.713	35.304	4.67	23.660	0.085
30	24.711	35.305	4.67	23.661	0.127
40	24.712	35.305	4.68	23.661	0.169
50	24.711	35.305	4.62	23.661	0.212
60	24.706	35.307	4.65	23.664	0.254
70	24.651	35.345	4.59	23.709	0.297
80	23.993	35.453	4.35	23.988	0.337
90	23.534	35.506	4.14	24.164	0.376
100	23.102	35.516	4.12	24.297	0.413
110	22.601	35.557	4.11	24.472	0.449
120	22.350	35.573	3.89	24.556	0.484
130	22.017	35.604	3.85	24.674	0.517
140	21.787	35.617	3.83	24.748	0.550
150	21.500	35.629	3.76	24.837	0.582
160	21.261	35.640	3.80	24.911	0.613
170	21.042	35.645	3.80	24.975	0.644
180	20.907	35.648	3.75	25.014	0.674
190	20.484	35.653	3.73	25.132	0.704
200	20.106	35.649	3.78	25.230	0.732
250	18.757	35.596	3.80	25.540	0.865
300	17.125	35.475	3.89	25.850	0.985
350	15.248	35.288	3.90	26.140	1.091
400	13.436	35.105	3.91	26.386	1.185
450	11.591	34.910	3.94	26.597	1.267
500	10.217	34.801	4.09	26.759	1.341
550	8.879	34.649	4.19	26.863	1.407
600	7.888	34.566	4.26	26.950	1.470
650	7.233	34.515	4.31	27.005	1.528
700	6.597	34.483	4.39	27.067	1.585
750	5.935	34.462	4.32	27.136	1.638
800	5.525	34.456	4.24	27.182	1.688
900	4.784	34.468	3.98	27.279	1.781
1000	4.168	34.491	3.84	27.364	1.866
1073	3.756	34.516	3.72	27.426	1.923

CAST TW2-87-OC-107 DATE 05 JUL 87 TIME 0340 GMT
LAT 18 02.2S LONG 147 56.4E



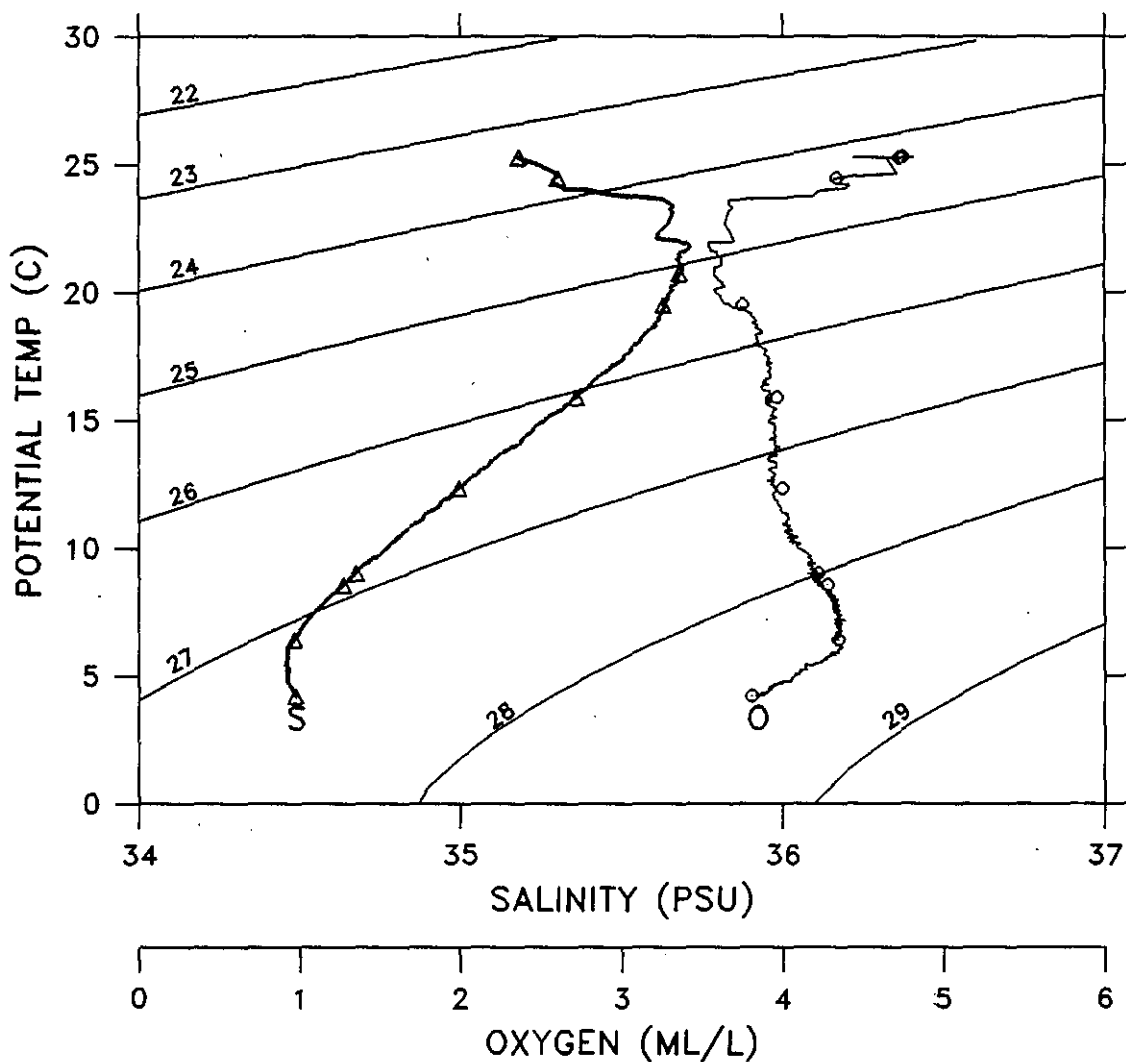
245



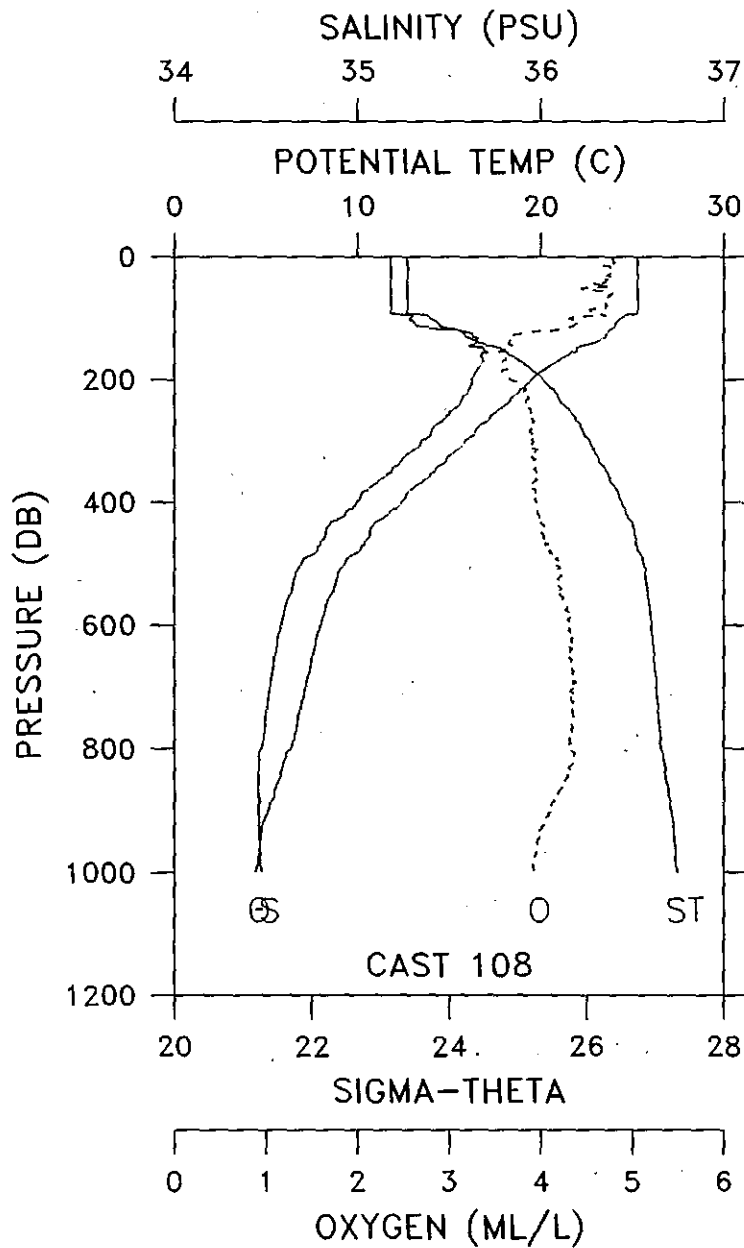
CAST TW2-87-OC-107 DATE 05 JUL 87 TIME 0340 GMT
 LAT 18 02.25 LONG 147 56.4E WEATHER 1 SEA STATE 5
 BAROMETER 19 WIND DIR 130 T SPD 23 KT VISIBILITY 8
 CLOUD 2 AMOUNT 5 DRY 24.0 WET 21.5 DEPTH 1154 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.078	35.200	4.69	23.471	0.000
10	25.076	35.200	4.66	23.471	0.044
20	25.073	35.200	4.62	23.472	0.088
30	25.074	35.200	4.73	23.472	0.132
40	25.071	35.200	4.65	23.473	0.177
50	25.070	35.201	4.66	23.473	0.221
60	25.064	35.200	4.63	23.475	0.265
70	25.061	35.201	4.64	23.476	0.309
80	25.056	35.201	4.61	23.478	0.354
90	24.602	35.247	4.52	23.650	0.397
100	24.341	35.321	4.44	23.785	0.439
110	23.617	35.523	4.17	24.152	0.480
120	23.203	35.586	3.79	24.321	0.517
130	22.741	35.595	3.80	24.461	0.553
140	22.397	35.601	3.75	24.564	0.587
150	22.225	35.631	3.69	24.635	0.621
160	21.646	35.662	3.66	24.821	0.654
170	21.323	35.661	3.65	24.910	0.685
180	20.956	35.659	3.60	25.009	0.716
190	20.531	35.659	3.74	25.125	0.746
200	20.182	35.655	3.80	25.214	0.774
250	18.348	35.570	3.86	25.623	0.906
300	16.282	35.395	3.91	25.987	1.019
350	14.063	35.158	3.92	26.297	1.117
400	12.523	35.011	3.93	26.496	1.203
450	11.155	34.871	4.01	26.648	1.281
500	9.966	34.767	4.19	26.776	1.353
550	8.849	34.655	4.31	26.873	1.419
600	8.079	34.588	4.32	26.939	1.482
650	7.344	34.531	4.40	27.002	1.541
700	6.701	34.489	4.36	27.057	1.598
750	6.179	34.471	4.33	27.112	1.652
800	5.805	34.461	4.26	27.151	1.703
900	5.155	34.461	4.15	27.230	1.801
1000	4.477	34.474	3.92	27.317	1.891
1143	3.853	34.510	3.66	27.412	2.007

CAST TW2-87-0C-108 DATE 05 JUL 87 TIME 0622 GMT
LAT 18 05.2S LONG 147 42.8E



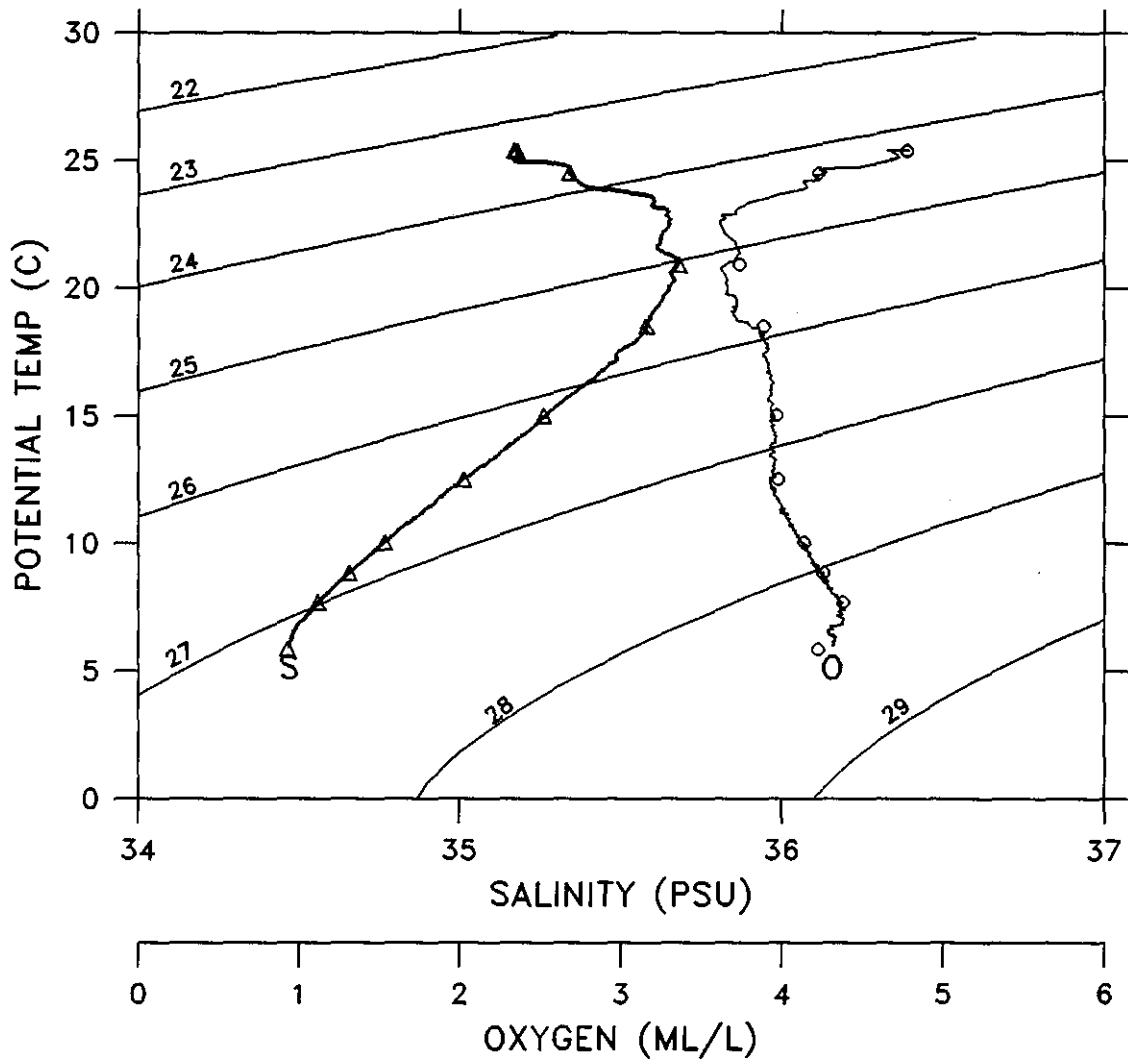
CAST TW2-87-OC-108 DATE 05 JUL 87 TIME 0622 GMT
 LAT 18 05.25 LONG 147 42.8E WEATHER 2 SEA STATE 4
 BAROMETER 18 WIND DIR 140 T SPD 20 KT VISIBILITY 7
 CLOUD 8 AMOUNT 7 DRY 23.1 WET 19.6 DEPTH 1095 M



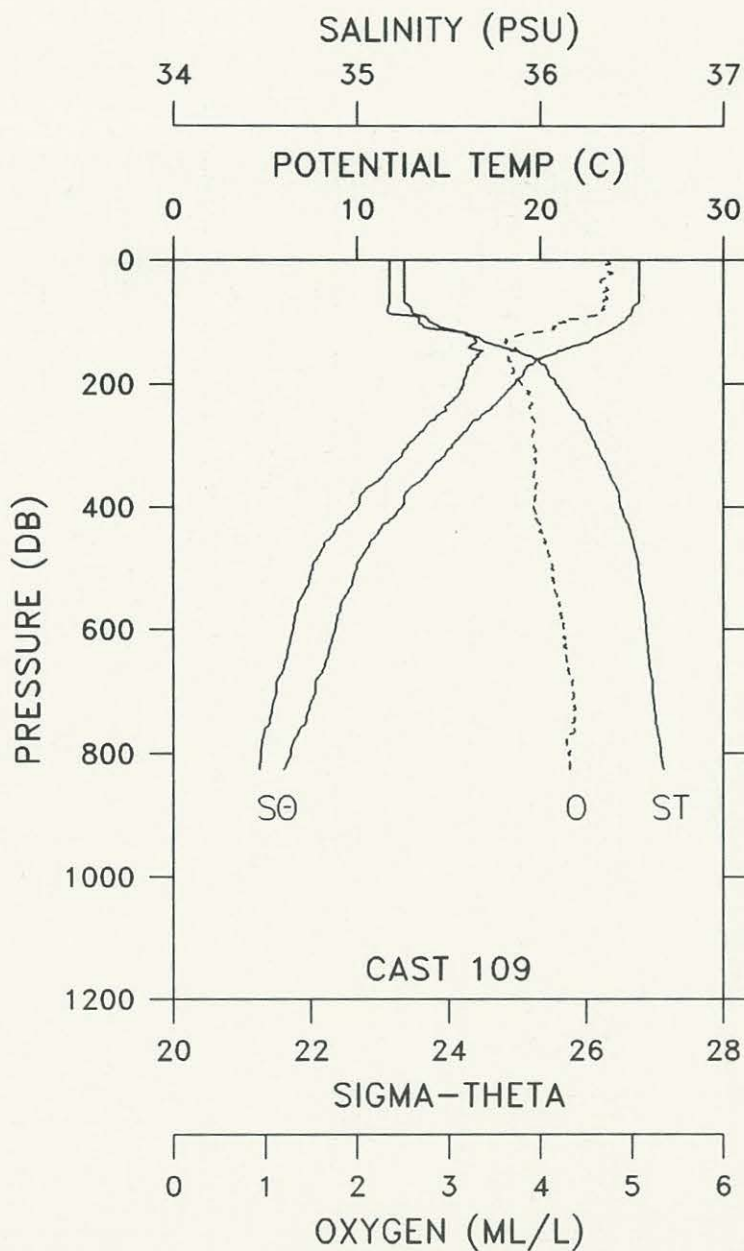
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.284	35.182	4.78	23.394	0.000
10	25.285	35.181	4.79	23.393	0.045
20	25.271	35.182	4.72	23.398	0.090
30	25.282	35.182	4.71	23.394	0.135
40	25.286	35.181	4.72	23.392	0.179
50	25.286	35.181	4.60	23.393	0.224
60	25.285	35.181	4.78	23.393	0.270
70	25.285	35.181	4.70	23.393	0.315
80	25.284	35.181	4.70	23.393	0.360
90	25.283	35.181	4.59	23.393	0.405
100	24.352	35.288	4.31	23.756	0.448
110	24.064	35.317	4.38	23.864	0.489
120	23.710	35.584	3.98	24.171	0.529
130	23.561	35.635	3.66	24.254	0.567
140	22.825	35.645	3.65	24.475	0.603
150	21.956	35.689	3.64	24.755	0.636
160	21.412	35.680	3.61	24.900	0.668
170	20.865	35.685	3.58	25.054	0.698
180	20.341	35.664	3.63	25.179	0.727
190	19.894	35.642	3.61	25.281	0.755
200	19.489	35.627	3.67	25.375	0.782
250	17.664	35.519	3.89	25.753	0.907
300	15.852	35.349	3.91	26.051	1.016
350	14.210	35.186	3.96	26.287	1.114
400	12.395	34.996	3.96	26.510	1.199
450	10.658	34.825	4.02	26.701	1.275
500	9.310	34.694	4.19	26.828	1.345
550	8.583	34.633	4.22	26.897	1.409
600	7.991	34.583	4.34	26.948	1.470
650	7.533	34.548	4.34	26.988	1.530
700	7.165	34.523	4.33	27.020	1.588
750	6.765	34.498	4.36	27.056	1.644
800	6.384	34.477	4.32	27.090	1.699
900	5.114	34.461	4.11	27.235	1.800
1000	4.380	34.482	3.91	27.334	1.889
1080	4.219	34.487	3.85	27.355	1.955

247

CAST TW2-87-OC-109 DATE 05 JUL 87 TIME 0837 GMT
LAT 18 09.1S LONG 147 28.7E



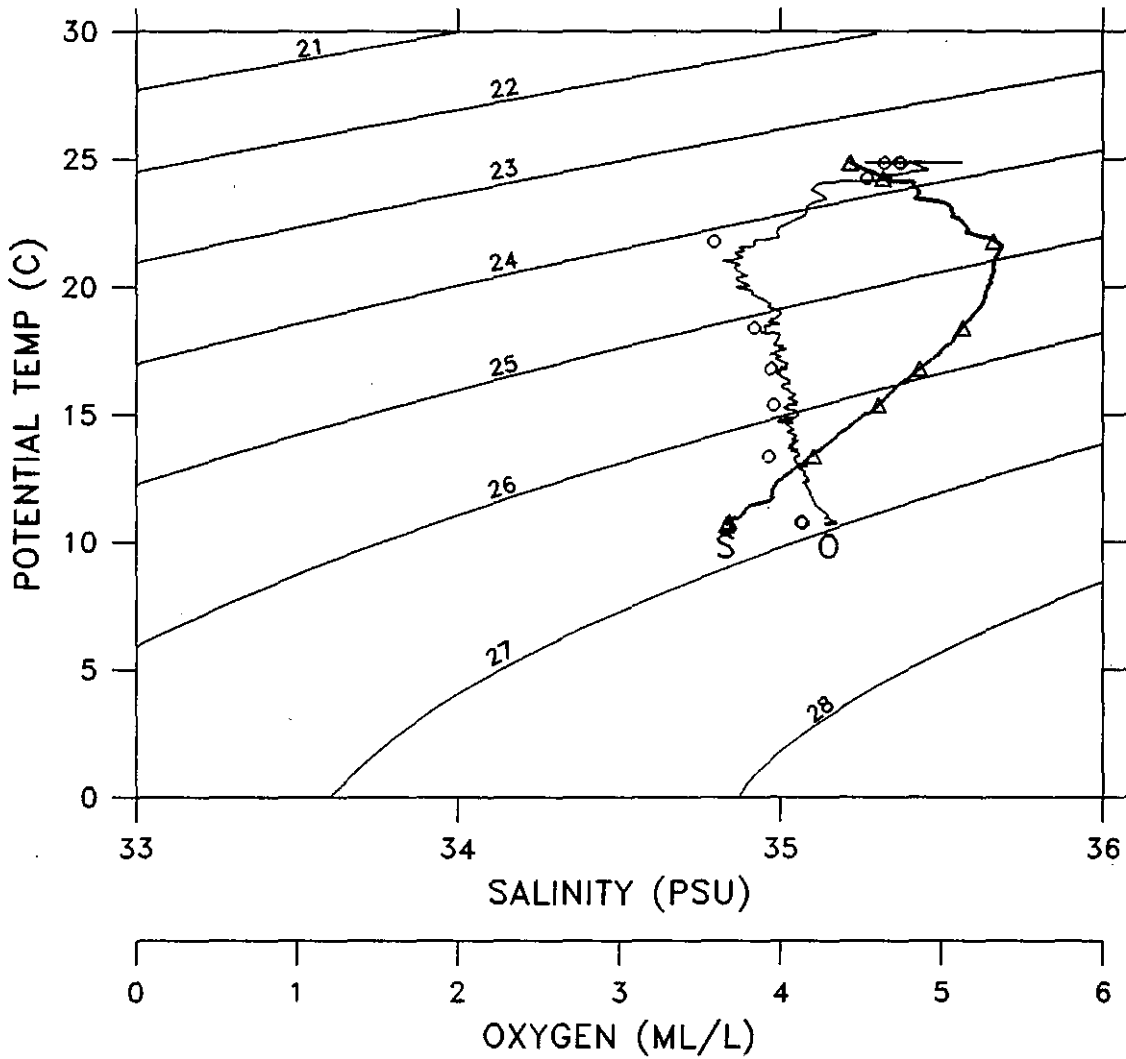
CAST TW2-87-OC-109 DATE 05 JUL 87 TIME 0837 GMT
 LAT 18 09.1S LONG 147 28.7E WEATHER 2 SEA STATE 4
 BAROMETER 20 WIND DIR 140 T SPD 22 KT VISIBILITY 7
 CLOUD 8 AMOUNT 9 DRY 22.1 WET 20.3 DEPTH 0869 M

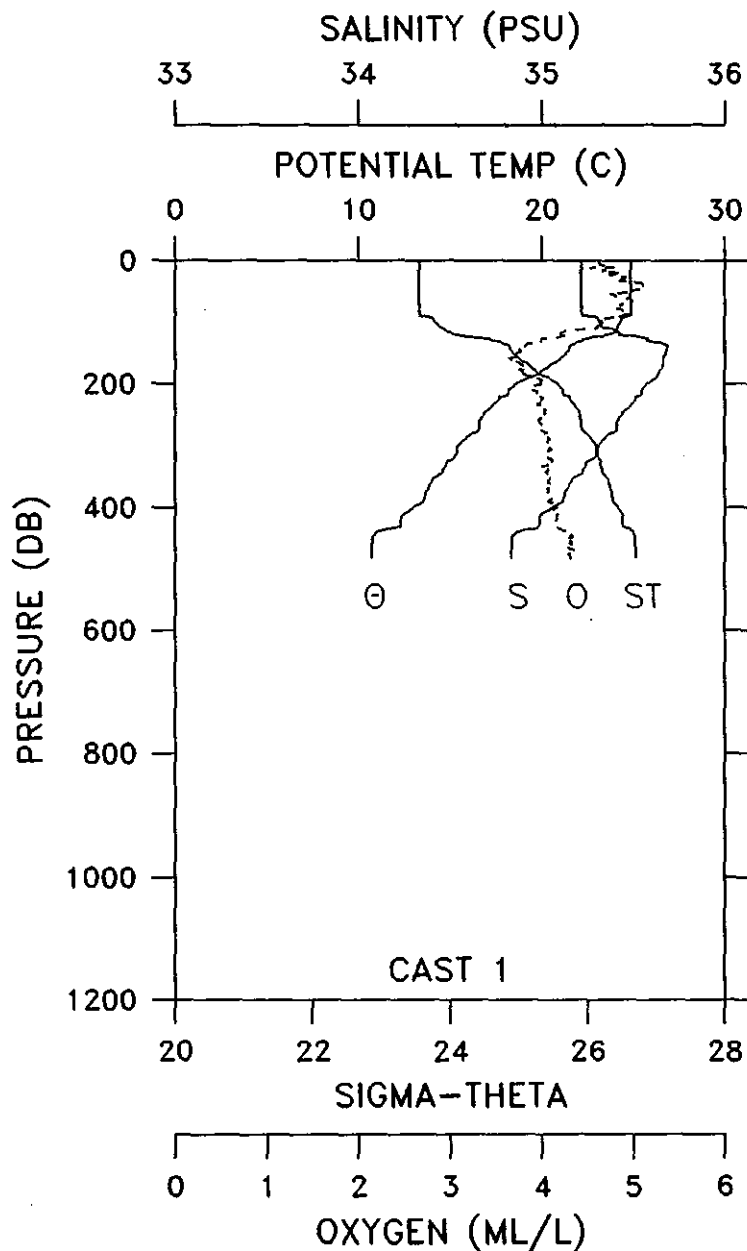


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.392	35.178	4.75	23.357	0.000
10	25.397	35.177	4.71	23.356	0.045
20	25.404	35.177	4.76	23.353	0.090
30	25.395	35.177	4.69	23.356	0.136
40	25.400	35.177	4.69	23.355	0.181
50	25.398	35.178	4.71	23.356	0.226
60	25.399	35.177	4.72	23.355	0.272
70	25.354	35.177	4.69	23.369	0.317
80	25.026	35.167	4.69	23.461	0.362
90	24.873	35.300	4.58	23.609	0.406
100	24.517	35.337	4.28	23.744	0.449
110	23.982	35.392	4.16	23.945	0.490
120	23.314	35.599	3.78	24.298	0.528
130	22.765	35.650	3.63	24.496	0.564
140	21.687	35.615	3.72	24.774	0.597
150	20.860	35.673	3.64	25.046	0.628
160	19.822	35.643	3.66	25.300	0.657
170	19.373	35.617	3.72	25.398	0.684
180	19.122	35.600	3.71	25.450	0.710
190	18.863	35.590	3.71	25.509	0.735
200	18.623	35.582	3.80	25.563	0.760
250	16.801	35.441	3.92	25.901	0.877
300	15.195	35.277	3.93	26.143	0.980
350	13.721	35.139	3.92	26.354	1.073
400	12.461	35.005	3.93	26.504	1.156
450	10.963	34.855	4.05	26.670	1.234
500	9.990	34.760	4.13	26.766	1.305
550	9.289	34.695	4.19	26.833	1.373
600	8.814	34.653	4.25	26.876	1.438
650	8.329	34.611	4.28	26.919	1.501
700	7.727	34.561	4.35	26.970	1.562
750	7.229	34.525	4.37	27.013	1.622
800	6.398	34.478	4.31	27.089	1.677
826	5.992	34.466	4.31	27.132	1.705

TW3-87-OC
13-28 July 1987
NBIS CTD/O₂ Data Summary

CAST TW3-87-OC-001 DATE 13 JUL 87 TIME 1208 GMT
LAT 18 03.6S LONG 147 18.0E

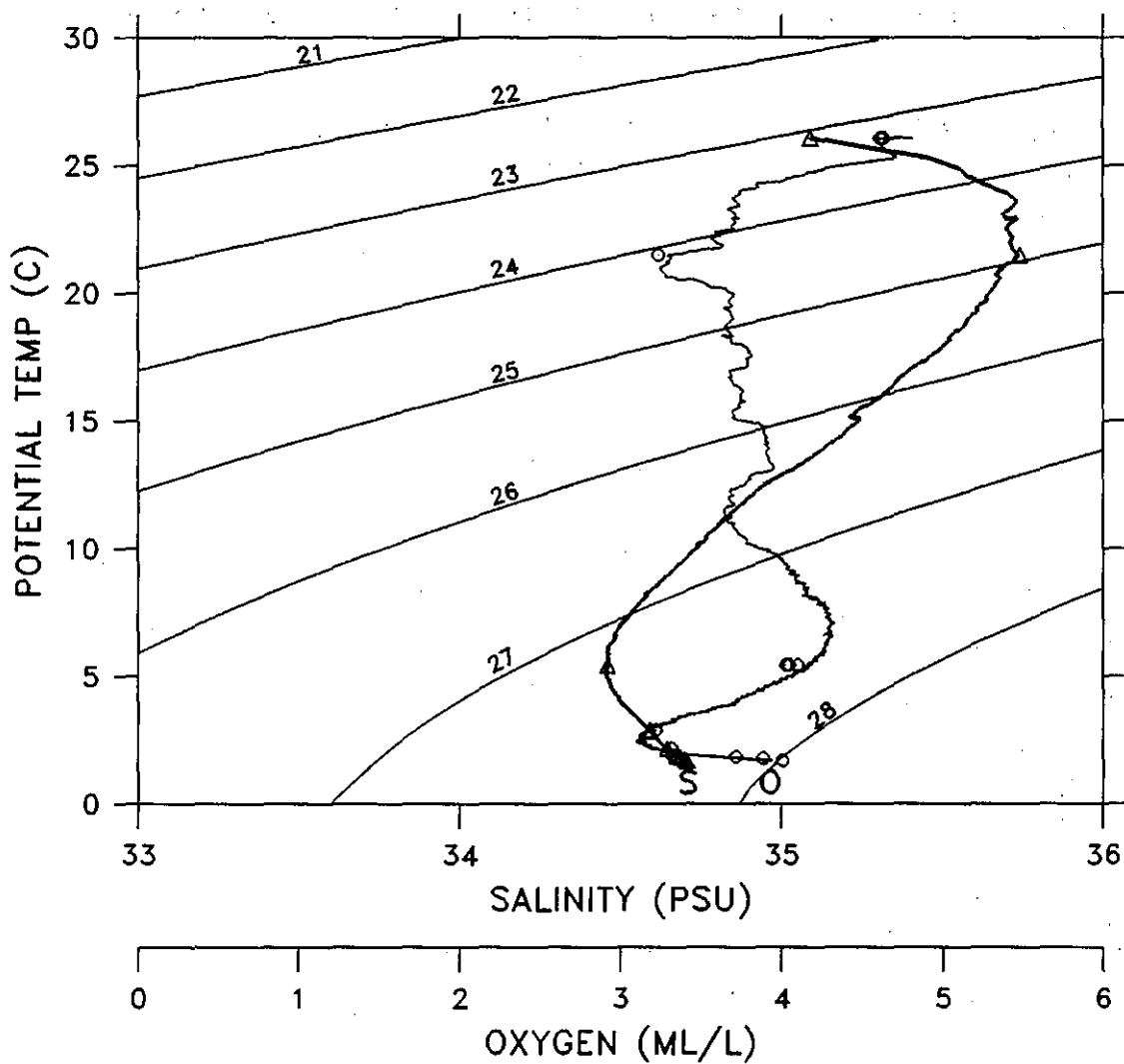


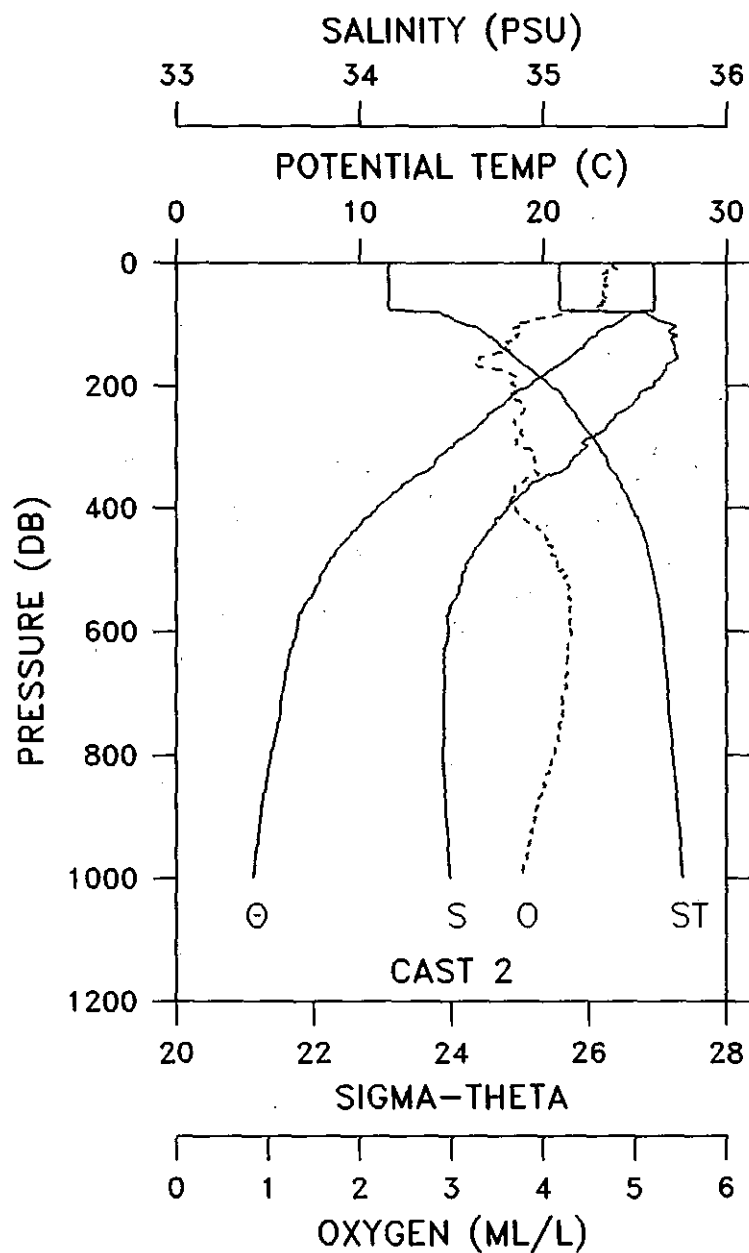


CAST TW3-87-OC-001 DATE 13 JUL 87 TIME 1208 GMT
 LAT 18 03.6S LONG 147 18.0E WEATHER 0 SEA STATE 2
 BAROMETER 18 WIND DIR 110 T SPD 10 KT VISIBILITY 8
 CLOUD X AMOUNT 0 DRY 21.5 WET 18.1 DEPTH 0513 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.862	35.217	4.62	23.549	0.000
10	24.863	35.217	4.79	23.549	0.043
20	24.865	35.216	4.85	23.548	0.087
30	24.865	35.216	4.90	23.548	0.130
40	24.866	35.217	5.11	23.547	0.174
50	24.868	35.216	4.95	23.547	0.217
60	24.858	35.217	4.90	23.550	0.261
70	24.861	35.217	4.91	23.549	0.304
80	24.864	35.216	4.88	23.548	0.348
90	24.733	35.241	4.86	23.606	0.392
100	24.328	35.317	4.66	23.786	0.433
110	24.149	35.382	4.62	23.888	0.475
120	23.448	35.418	4.29	24.122	0.514
130	22.209	35.578	3.98	24.600	0.550
140	21.535	35.686	3.74	24.870	0.582
150	21.343	35.678	3.72	24.917	0.613
160	20.971	35.665	3.68	25.009	0.644
170	20.454	35.659	3.79	25.145	0.673
180	19.994	35.645	3.73	25.256	0.702
190	19.239	35.619	3.92	25.434	0.729
200	18.556	35.573	3.99	25.573	0.754
250	16.834	35.437	4.01	25.890	0.871
300	15.434	35.309	4.09	26.115	0.976
350	14.296	35.188	4.04	26.271	1.073
400	12.968	35.052	4.17	26.440	1.162
450	10.768	34.838	4.30	26.691	1.241
483	10.686	34.834	4.30	26.703	1.289

CAST TW3-87-OC-002 DATE 14 JUL 87 TIME 2226 GMT
LAT 12 22.1S LONG 153 26.8E

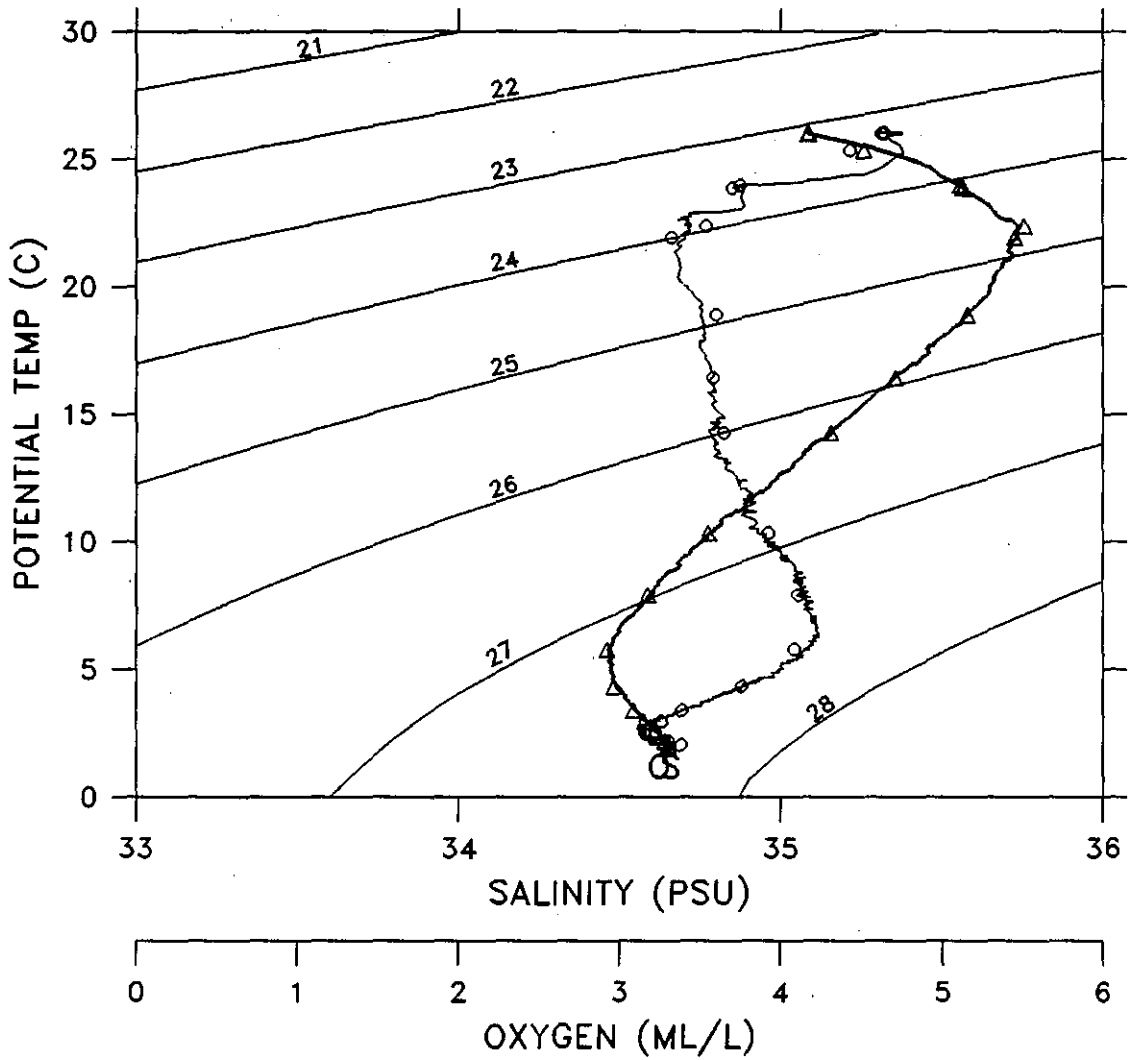




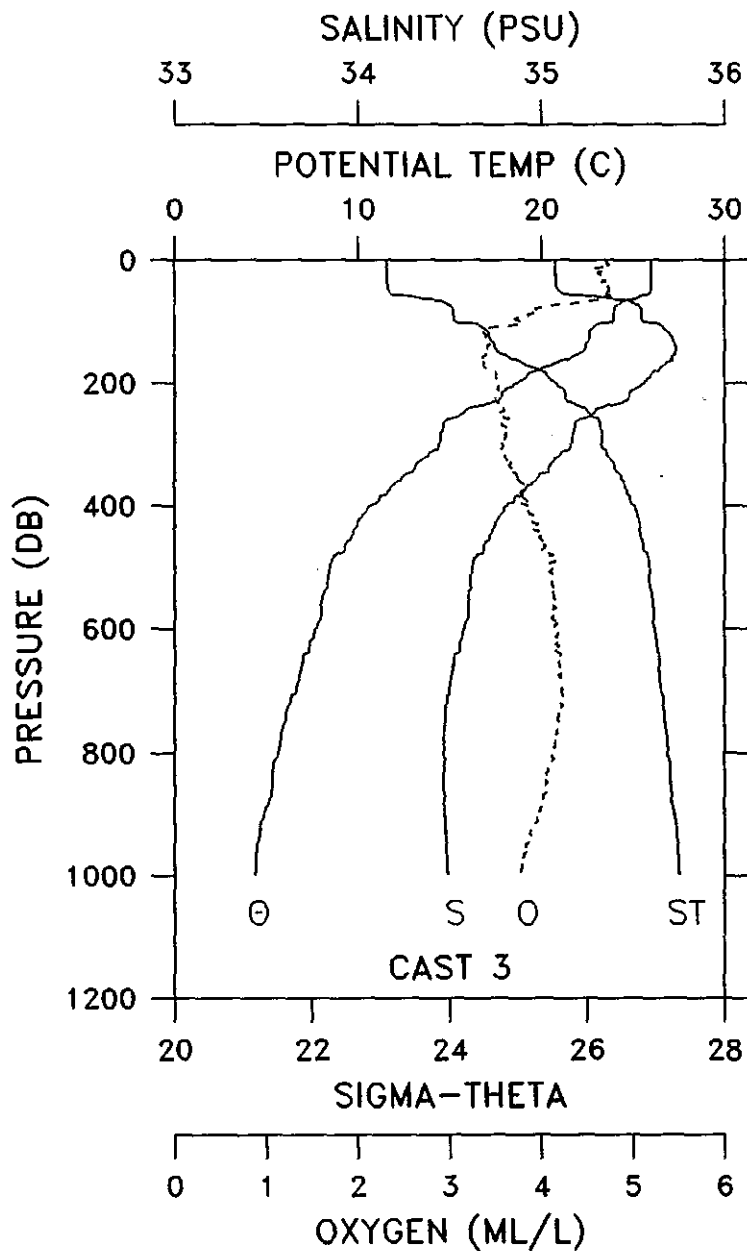
CAST TW3-87-OC-002 DATE 14 JUL 87 TIME 2226 GMT
 LAT 12 22.1S LONG 153 26.8E WEATHER 1 SEA STATE 2
 BAROMETER 16 WIND DIR 225 T SPD 11 KT VISIBILITY 8
 CLOUD 8 AMOUNT 6 DRY 25.1 WET 20.0 DEPTH 3945 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.041	35.090	4.76	23.091	0.000
10	26.063	35.089	4.70	23.083	0.048
20	26.063	35.089	4.68	23.083	0.096
30	26.059	35.089	4.61	23.084	0.143
40	26.056	35.089	4.67	23.085	0.191
50	26.059	35.089	4.65	23.084	0.239
60	26.056	35.090	4.68	23.086	0.287
70	26.054	35.093	4.59	23.089	0.335
80	24.853	35.556	4.27	23.808	0.382
90	24.358	35.614	4.00	24.001	0.422
100	23.902	35.701	3.75	24.203	0.460
110	23.103	35.687	3.71	24.427	0.497
120	22.772	35.708	3.72	24.538	0.531
130	22.338	35.707	3.60	24.661	0.565
140	21.968	35.708	3.60	24.766	0.598
150	21.613	35.728	3.44	24.881	0.630
160	21.164	35.703	3.30	24.986	0.660
170	20.612	35.677	3.34	25.116	0.690
180	20.173	35.654	3.66	25.216	0.719
190	19.563	35.617	3.69	25.349	0.746
200	19.229	35.601	3.69	25.423	0.773
250	16.992	35.394	3.70	25.820	0.893
300	15.053	35.241	3.72	26.147	0.999
350	12.918	35.008	3.85	26.416	1.090
400	10.989	34.806	3.71	26.627	1.171
450	9.322	34.673	4.04	26.810	1.241
500	8.069	34.576	4.19	26.931	1.304
550	7.171	34.514	4.30	27.012	1.362
600	6.564	34.483	4.30	27.071	1.417
650	6.104	34.461	4.26	27.113	1.470
700	5.777	34.459	4.22	27.153	1.521
750	5.530	34.458	4.17	27.183	1.570
800	5.168	34.455	4.12	27.224	1.618
900	4.590	34.472	3.90	27.303	1.708
1000	4.176	34.495	3.76	27.366	1.791
1500	2.811	34.595	3.15	27.579	2.132
2000	2.173	34.645	3.21	27.673	2.409
2500	1.875	34.681	3.54	27.726	2.661
2998	1.695	34.706	3.93	27.759	2.898

CAST TW3-87-0C-003 DATE 15 JUL 87 TIME 0657 GMT
LAT 11 23.2S LONG 154 31.9E

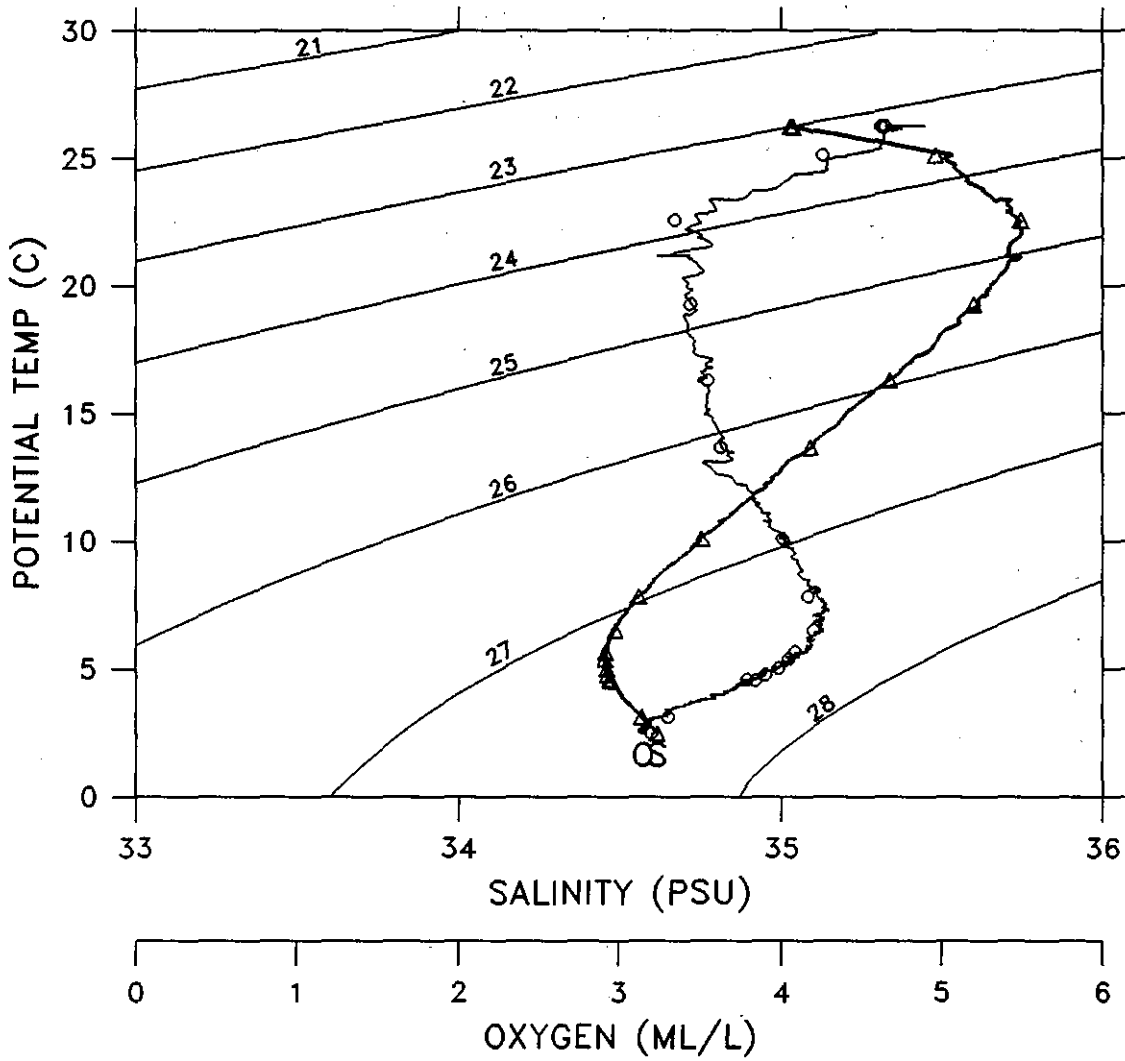


CAST TW3-87-OC-003 DATE 15 JUL 87 TIME 0657 GMT
 LAT 11 23.2S LONG 154 31.9E WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 160 T SPD 12 KT VISIBILITY 9
 CLOUD 7 AMOUNT 5 DRY 26.0 WET 21.0 DEPTH 2226 M

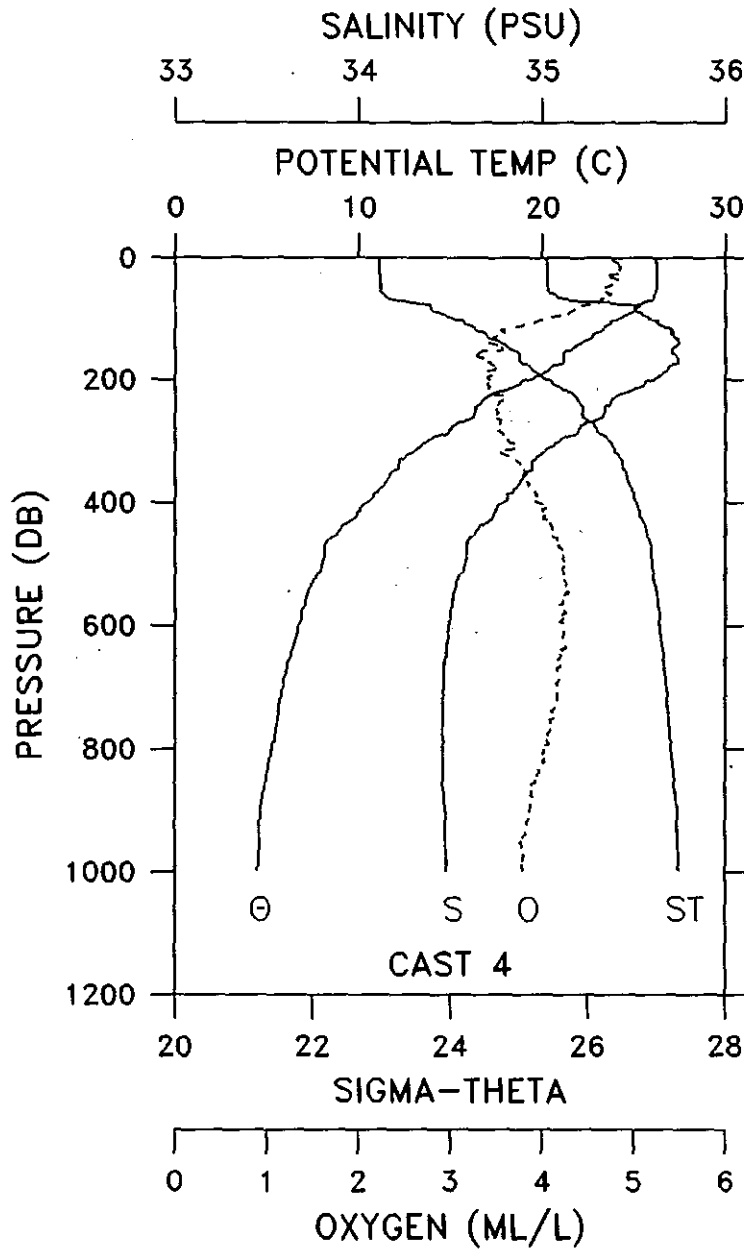


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.024	35.082	4.72	23.090	0.000
10	26.021	35.082	4.64	23.090	0.048
20	26.019	35.082	4.62	23.091	0.095
30	26.014	35.082	4.66	23.092	0.143
40	25.997	35.084	4.71	23.100	0.191
50	25.964	35.097	4.74	23.120	0.239
60	25.316	35.310	4.75	23.481	0.285
70	24.253	35.505	4.32	23.950	0.327
80	23.999	35.548	3.96	24.058	0.366
90	23.979	35.551	3.85	24.067	0.405
100	23.876	35.559	3.78	24.103	0.443
110	22.840	35.662	3.43	24.484	0.480
120	22.636	35.703	3.40	24.574	0.514
130	22.587	35.719	3.42	24.600	0.548
140	22.418	35.732	3.41	24.657	0.581
150	22.176	35.730	3.44	24.725	0.615
160	21.572	35.709	3.38	24.878	0.646
170	20.652	35.673	3.38	25.102	0.676
180	19.578	35.627	3.47	25.353	0.704
190	19.166	35.597	3.50	25.436	0.731
200	18.691	35.560	3.52	25.529	0.756
250	15.652	35.280	3.59	26.043	0.871
300	14.441	35.163	3.59	26.220	0.967
350	12.509	34.988	3.72	26.482	1.055
400	10.623	34.811	3.84	26.697	1.133
450	9.670	34.720	3.98	26.790	1.202
500	8.485	34.625	4.12	26.906	1.266
550	8.085	34.603	4.14	26.950	1.327
600	7.711	34.582	4.15	26.988	1.387
650	6.987	34.522	4.21	27.044	1.444
700	6.608	34.497	4.22	27.076	1.499
750	6.045	34.478	4.19	27.134	1.551
800	5.675	34.470	4.11	27.175	1.602
900	4.876	34.473	3.97	27.272	1.696
1000	4.365	34.490	3.78	27.342	1.782
1500	2.934	34.586	3.20	27.561	2.142
2000	2.244	34.640	3.17	27.664	2.429
2268	2.062	34.655	3.25	27.691	2.569

CAST TW3-87-OC-004 DATE 12 JUL 87 TIME 1037 GMT
LAT 11 15.8S LONG 154 45.9E

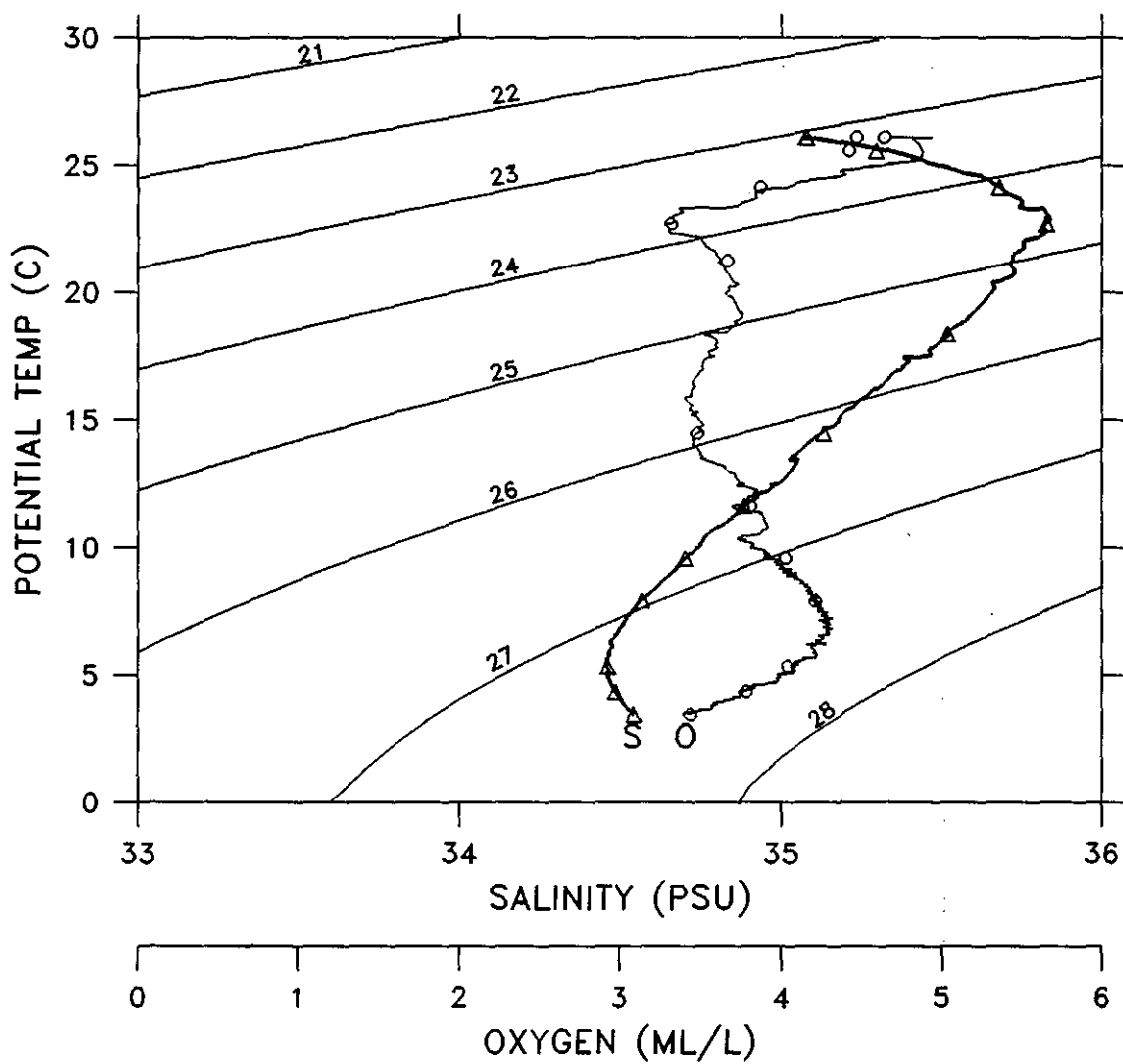


CAST TW3-87-OC-004 DATE 12 JUL 87 TIME 1037 GMT
 LAT 11 15.8S LONG 154 45.9E WEATHER 6 SEA STATE 4
 BAROMETER 14 WIND DIR 165 T SPD 18 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 DRY 24.4 WET 22.0 DEPTH 1749 M

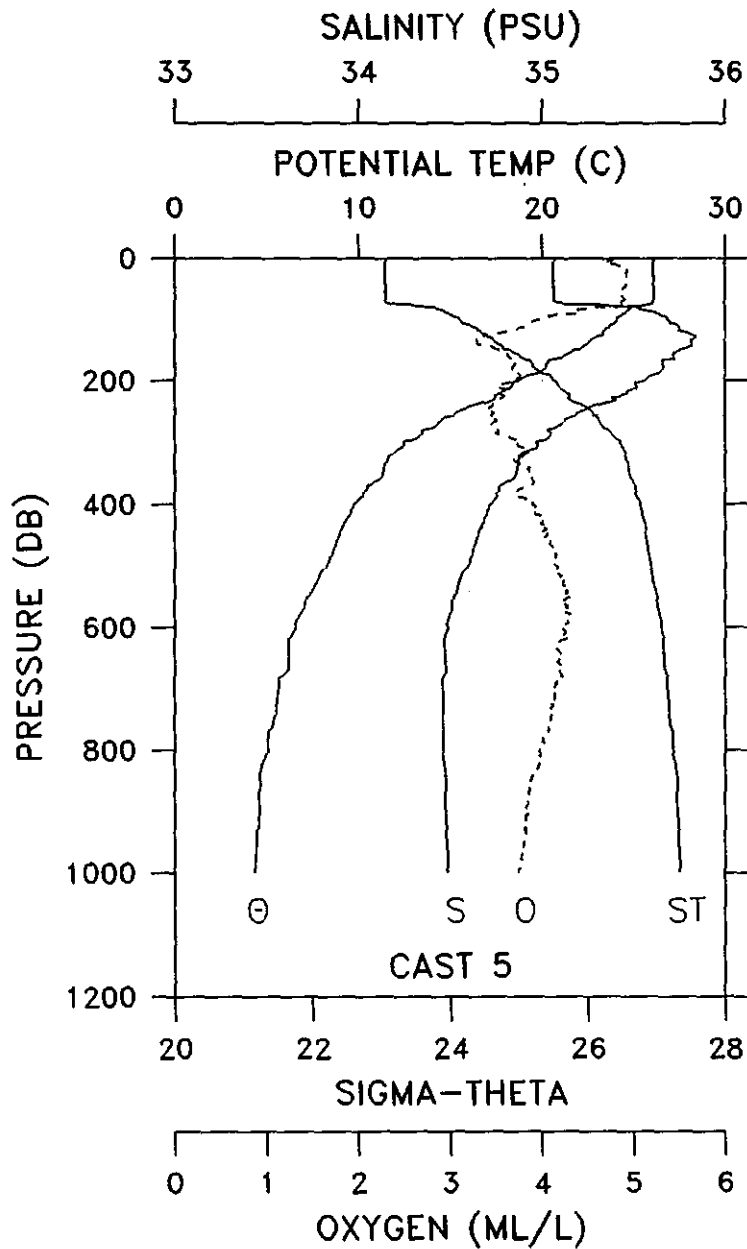


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.255	35.027	4.77	22.976	0.000
10	26.255	35.027	4.86	22.976	0.049
20	26.255	35.027	4.83	22.976	0.098
30	26.254	35.027	4.73	22.976	0.147
40	26.252	35.028	4.82	22.977	0.195
50	26.247	35.030	4.67	22.981	0.244
60	26.149	35.070	4.75	23.042	0.293
70	25.963	35.159	4.64	23.167	0.341
80	25.107	35.531	4.41	23.711	0.385
90	24.892	35.519	4.29	23.768	0.427
100	24.113	35.576	4.04	24.046	0.467
110	23.642	35.638	3.81	24.232	0.505
120	23.298	35.709	3.57	24.386	0.542
130	22.781	35.722	3.47	24.546	0.576
140	22.167	35.748	3.44	24.740	0.610
150	21.646	35.715	3.57	24.861	0.642
160	21.171	35.729	3.26	25.004	0.672
170	21.179	35.743	3.40	25.012	0.702
180	20.456	35.688	3.49	25.166	0.732
190	19.983	35.653	3.42	25.266	0.760
200	19.201	35.616	3.45	25.442	0.787
250	16.359	35.341	3.50	25.928	0.903
300	13.701	35.094	3.64	26.323	1.004
350	11.804	34.910	3.83	26.557	1.087
400	10.404	34.788	3.97	26.717	1.162
450	8.835	34.636	4.13	26.860	1.229
500	8.030	34.581	4.22	26.940	1.290
550	7.224	34.520	4.25	27.010	1.348
600	6.770	34.495	4.24	27.052	1.404
650	6.287	34.476	4.20	27.102	1.457
700	5.883	34.464	4.17	27.144	1.509
750	5.610	34.459	4.14	27.174	1.559
800	5.285	34.458	4.05	27.213	1.607
900	4.630	34.473	3.86	27.299	1.698
1000	4.482	34.480	3.77	27.321	1.784
1500	2.861	34.592	3.17	27.572	2.149
1736	2.507	34.619	3.15	27.624	2.287

CAST TW3-87-OC-005 DATE 15 JUL 87 TIME 1340 GMT
LAT 11 10.2S LONG 154 59.1E

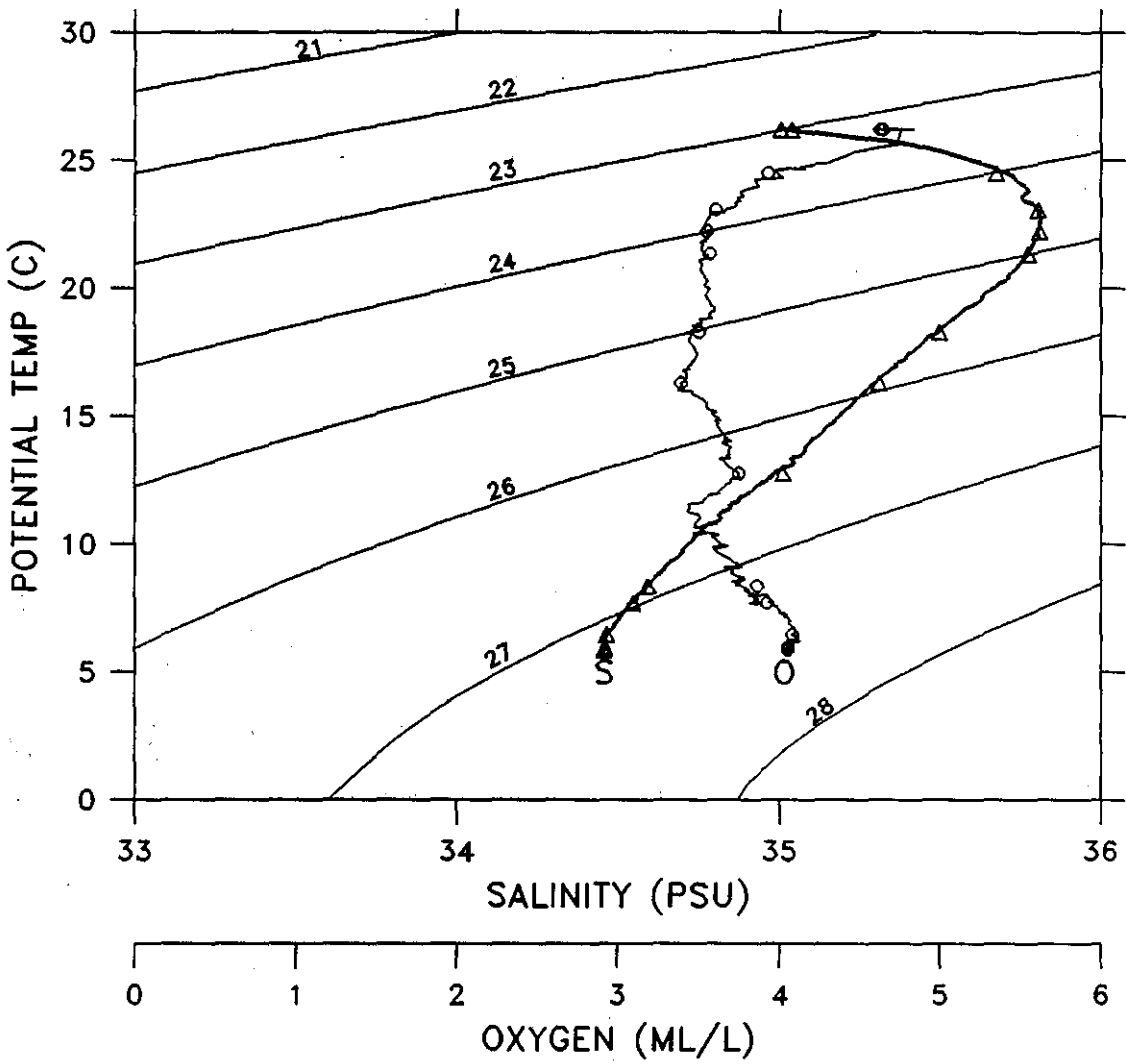


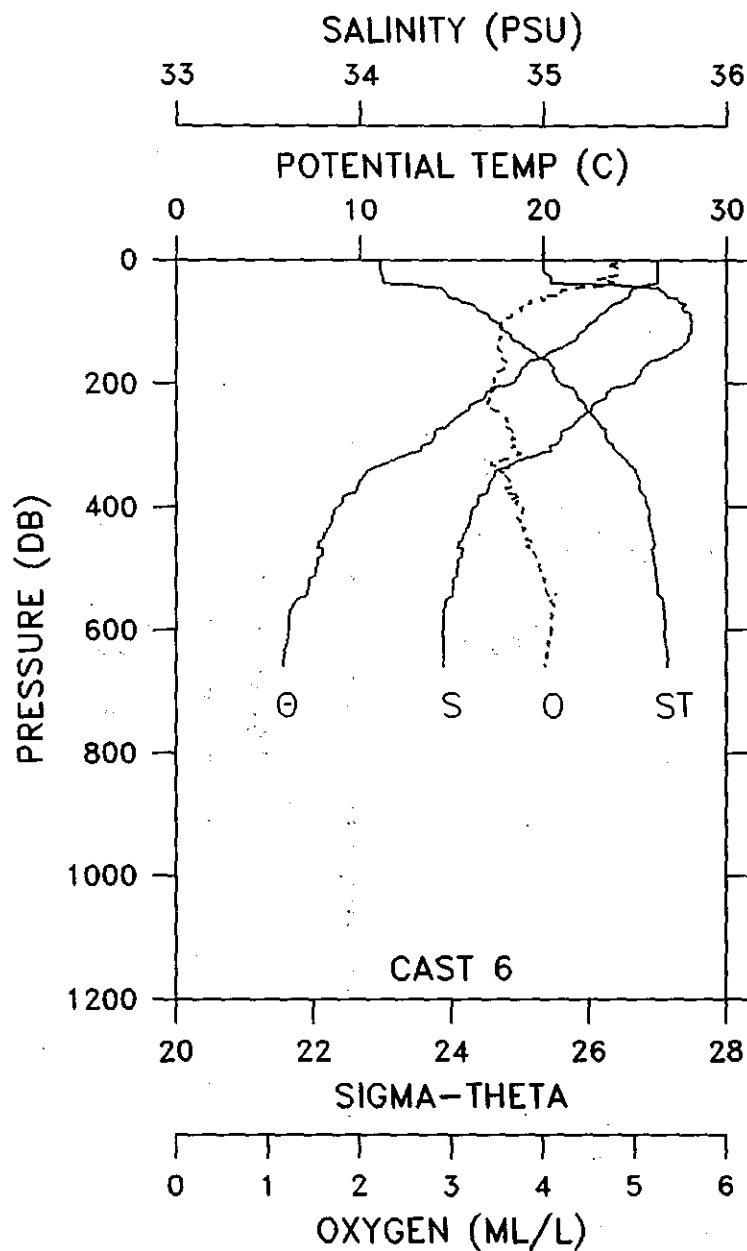
CAST TW3-87-OC-005 DATE 15 JUL 87 TIME 1340 GMT
 LAT 11 10.2S LONG 154 59.1E WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 155 T SPD 20 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 24.4 WET 20.0 DEPTH 1211 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.065	35.069	4.76	23.067	0.000
10	26.083	35.064	4.81	23.057	0.048
20	26.085	35.064	4.93	23.057	0.096
30	26.086	35.063	4.92	23.056	0.144
40	26.082	35.063	4.91	23.057	0.192
50	26.084	35.063	4.88	23.057	0.241
60	26.086	35.063	4.88	23.056	0.289
70	26.077	35.068	4.88	23.062	0.337
80	25.030	35.485	4.65	23.701	0.383
90	24.597	35.622	4.39	23.936	0.424
100	24.089	35.686	3.96	24.136	0.463
110	23.714	35.742	3.85	24.290	0.500
120	23.317	35.782	3.59	24.436	0.536
130	22.901	35.837	3.34	24.598	0.571
140	22.465	35.820	3.30	24.711	0.604
150	21.787	35.757	3.54	24.854	0.637
160	21.135	35.712	3.62	25.000	0.668
170	20.340	35.657	3.72	25.174	0.697
180	20.169	35.662	3.67	25.223	0.725
190	19.309	35.606	3.74	25.406	0.753
200	18.790	35.559	3.72	25.504	0.778
250	15.393	35.206	3.43	26.044	0.894
300	12.480	34.963	3.77	26.468	0.987
350	11.335	34.862	3.86	26.607	1.065
400	9.780	34.718	3.89	26.769	1.136
450	8.973	34.655	4.06	26.852	1.202
500	8.271	34.598	4.18	26.917	1.265
550	7.213	34.520	4.31	27.011	1.324
600	6.581	34.488	4.26	27.073	1.379
650	6.216	34.474	4.20	27.109	1.431
700	5.664	34.460	4.13	27.168	1.482
750	5.420	34.458	4.09	27.196	1.531
800	5.055	34.458	3.98	27.240	1.577
900	4.594	34.475	3.83	27.305	1.664
1000	4.342	34.486	3.76	27.342	1.748
1181	3.488	34.543	3.41	27.474	1.886

CAST TW3-87-OC-006 DATE 15 JUL 87 TIME 1631 GMT
LAT 11 03.3S LONG 155 12.6E

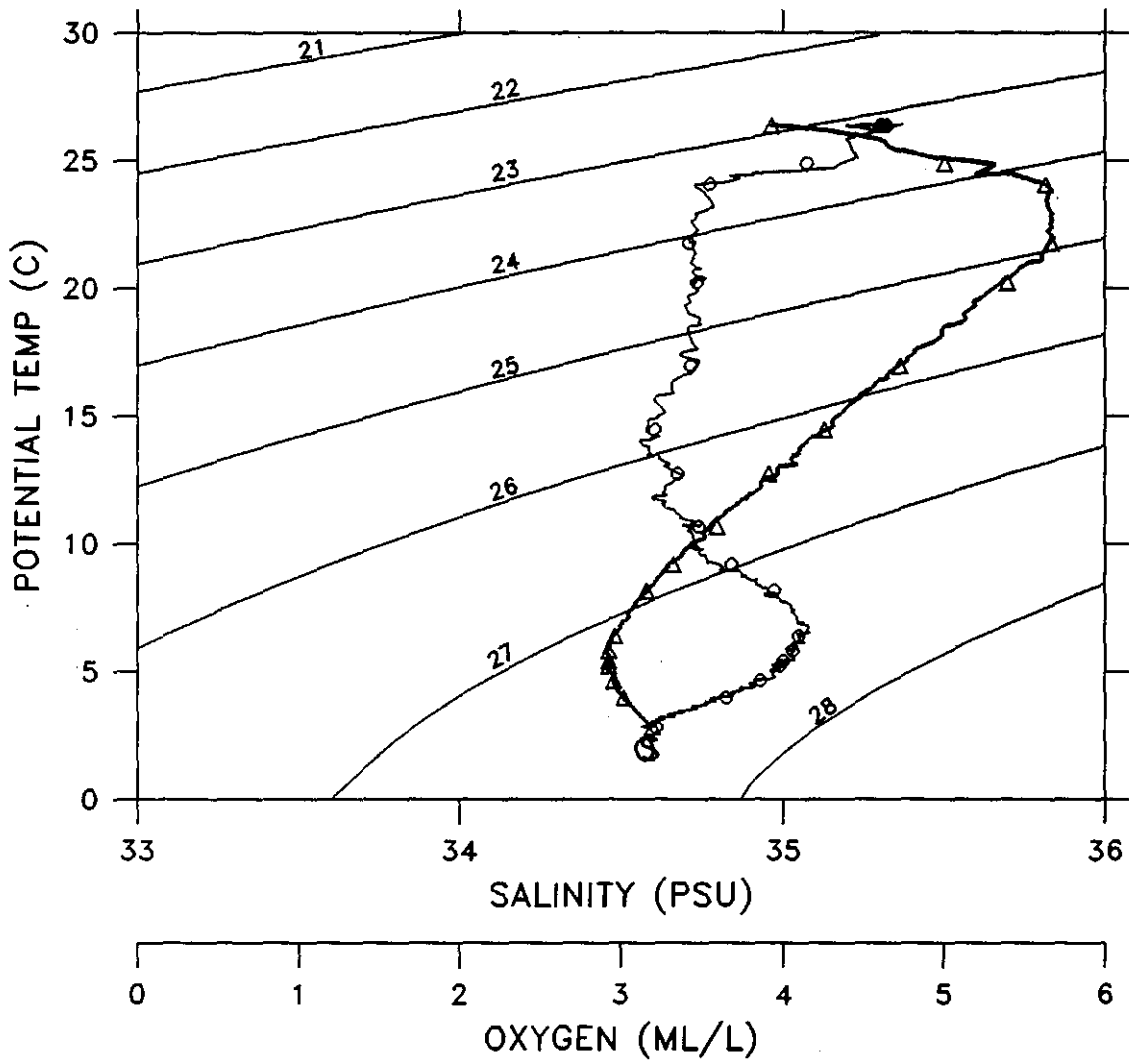




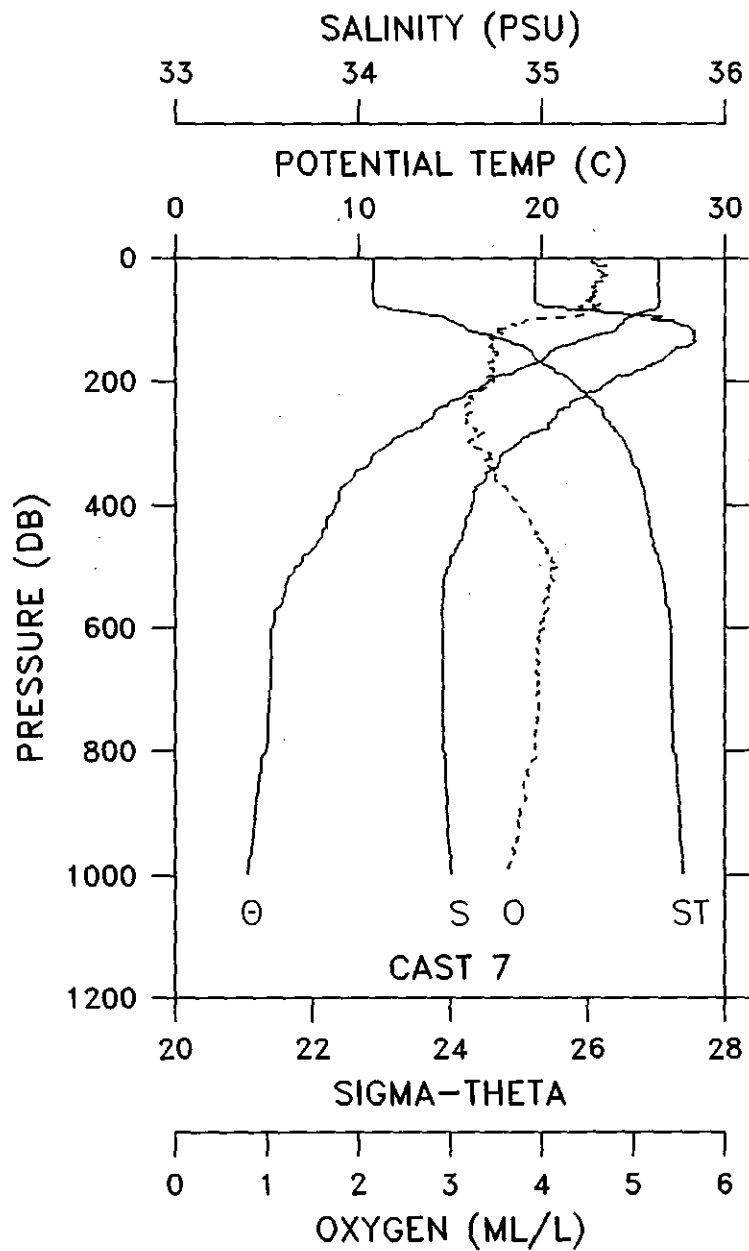
CAST TW3-87-OC-006 DATE 15 JUL 87 TIME 1631 GMT
 LAT 11 03.3S LONG 155 12.6E WEATHER 2 SEA STATE 3
 BAROMETER 13 WIND DIR 150 T SPD 18 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 24.4 WET 20.5 DEPTH 0688 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.228	35.001	4.80	22.965	0.000
10	26.227	35.000	4.78	22.964	0.049
20	26.227	35.005	4.82	22.968	0.098
30	26.209	35.037	4.58	22.998	0.147
40	25.714	35.365	4.74	23.399	0.195
50	24.790	35.646	4.20	23.895	0.237
60	24.658	35.672	4.05	23.955	0.277
70	24.003	35.767	3.87	24.223	0.315
80	23.506	35.755	3.74	24.361	0.351
90	23.029	35.805	3.66	24.538	0.386
100	22.647	35.811	3.54	24.652	0.420
110	22.372	35.805	3.52	24.726	0.453
120	21.906	35.794	3.54	24.849	0.485
130	21.754	35.789	3.52	24.888	0.517
140	21.080	35.755	3.50	25.048	0.547
150	20.352	35.708	3.55	25.209	0.576
160	19.655	35.633	3.55	25.337	0.603
170	19.074	35.567	3.57	25.437	0.630
180	18.802	35.538	3.52	25.484	0.655
190	18.577	35.515	3.47	25.524	0.681
200	18.212	35.481	3.45	25.589	0.706
250	15.479	35.225	3.54	26.040	0.816
300	13.430	35.055	3.67	26.349	0.911
350	10.219	34.731	3.59	26.705	0.990
400	8.791	34.621	3.72	26.855	1.058
450	8.014	34.561	3.82	26.927	1.119
500	7.596	34.531	3.96	26.965	1.179
550	6.571	34.474	4.10	27.063	1.236
600	6.117	34.456	4.09	27.108	1.288
650	5.827	34.456	4.01	27.145	1.339
661	5.843	34.457	4.03	27.143	1.350

CAST TW3-87-0C-007 DATE 15 JUL 87 TIME 1958 GMT
LAT 10 56.5S LONG 155 26.0E

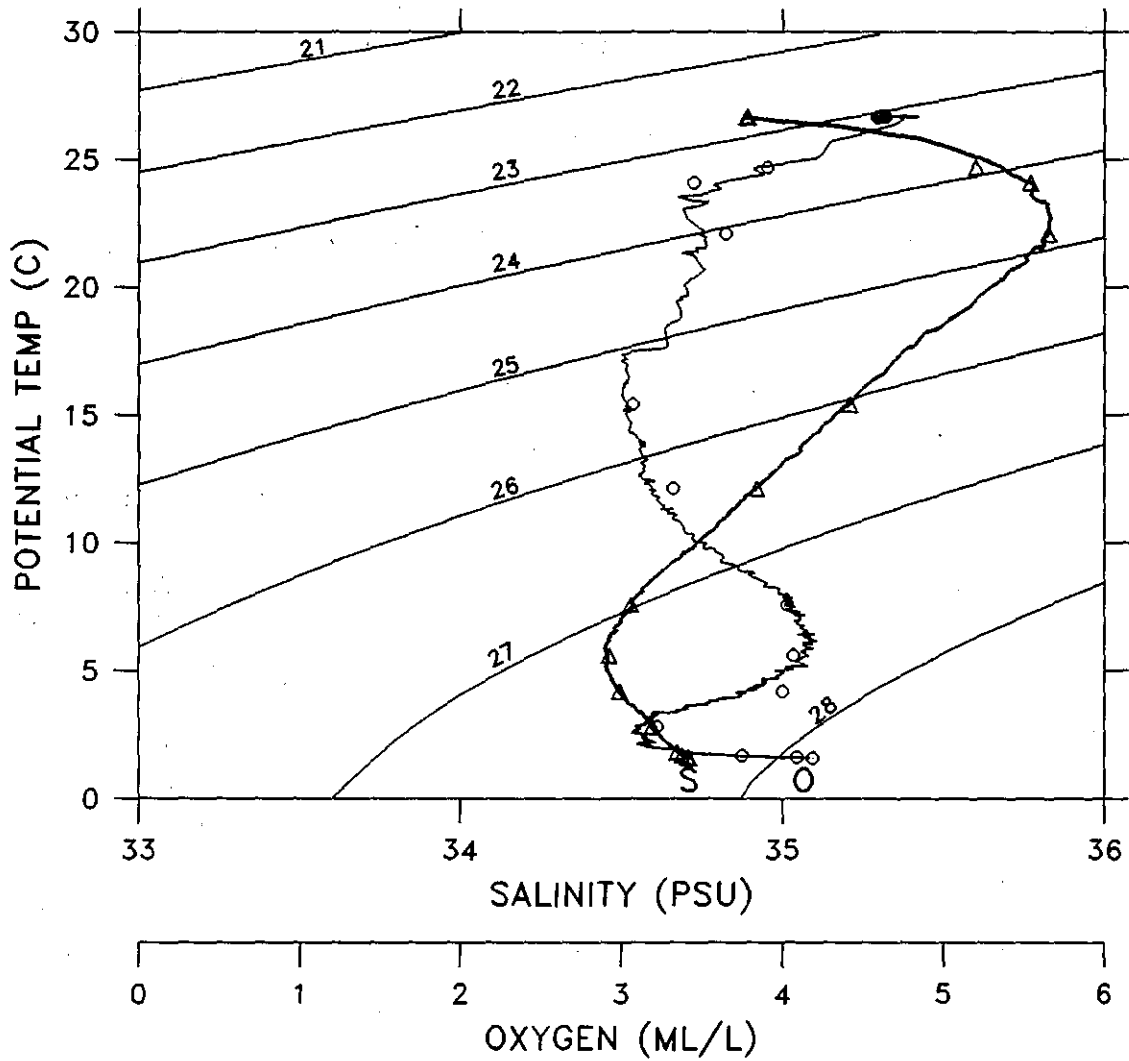


CAST TW3-87-0C-007 DATE 15 JUL 87 TIME 1958 GMT
 LAT 10 56.5S LONG 155 26.0E WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 125 T SPD 20 KT VISIBILITY 9
 CLOUD 7 AMOUNT 6 DRY 24.7 WET 20.8 DEPTH 1484 M

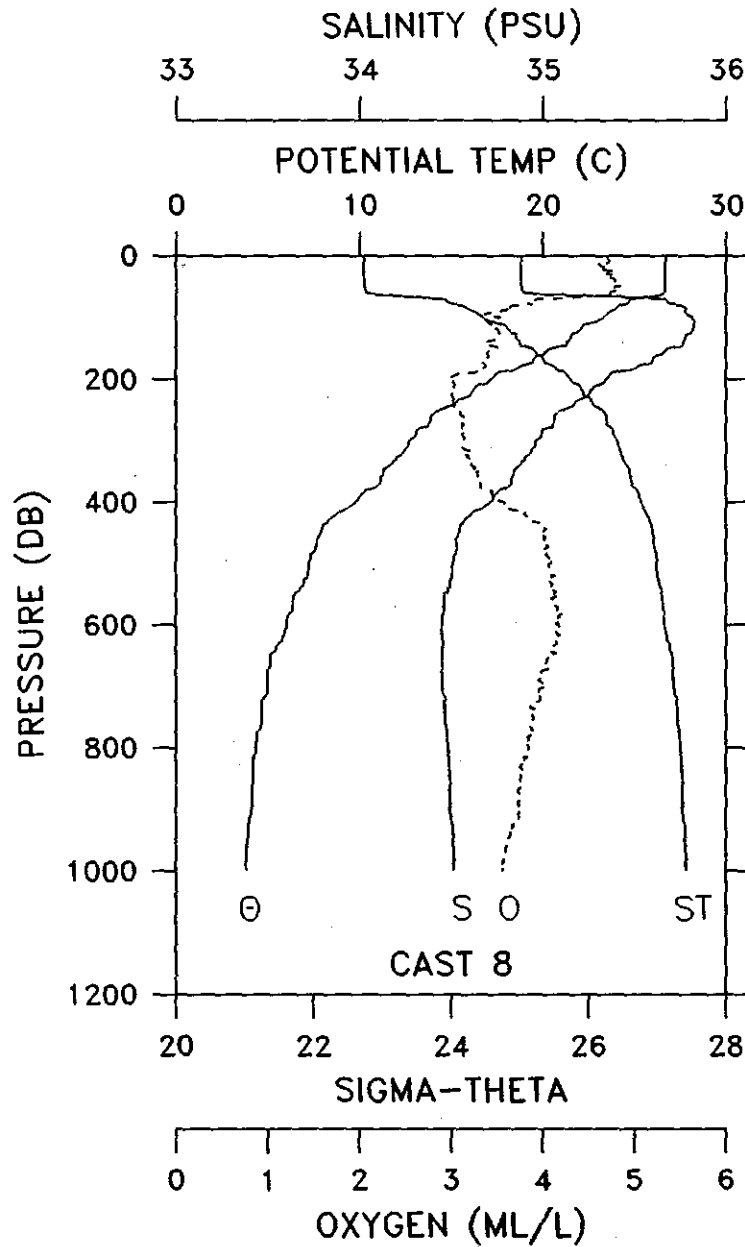


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.381	34.964	4.55	22.889	0.000
10	26.381	34.963	4.68	22.888	0.050
20	26.389	34.964	4.63	22.886	0.099
30	26.393	34.963	4.63	22.884	0.149
40	26.393	34.963	4.58	22.884	0.199
50	26.394	34.962	4.55	22.883	0.249
60	26.395	34.963	4.56	22.884	0.299
70	26.395	34.963	4.48	22.883	0.349
80	26.296	35.060	4.46	22.988	0.398
90	25.293	35.411	4.45	23.564	0.445
100	24.482	35.597	3.87	23.951	0.486
110	24.227	35.782	3.70	24.168	0.525
120	23.889	35.834	3.48	24.308	0.563
130	22.659	35.836	3.43	24.668	0.597
140	21.524	35.818	3.45	24.974	0.629
150	20.687	35.727	3.44	25.134	0.658
160	20.281	35.680	3.45	25.207	0.686
170	19.736	35.629	3.42	25.312	0.714
180	18.832	35.571	3.49	25.501	0.740
190	17.703	35.429	3.46	25.675	0.765
200	17.104	35.382	3.48	25.784	0.789
250	14.164	35.088	3.24	26.221	0.892
300	11.628	34.862	3.28	26.553	0.978
350	9.790	34.697	3.51	26.752	1.050
400	8.745	34.618	3.76	26.860	1.115
450	8.015	34.567	3.90	26.931	1.177
500	6.546	34.484	4.16	27.074	1.233
550	5.909	34.463	4.10	27.140	1.284
600	5.301	34.459	3.99	27.211	1.332
650	5.229	34.459	3.97	27.220	1.378
700	5.172	34.459	3.96	27.226	1.424
750	5.076	34.462	3.96	27.240	1.470
800	4.982	34.465	3.94	27.253	1.516
900	4.374	34.485	3.77	27.337	1.600
1000	3.957	34.509	3.60	27.400	1.680
1482	2.828	34.595	3.15	27.577	2.006

CAST TW3-87-OC-008 DATE 16 JUL 87 TIME 0409 GMT
LAT 10 36.8S LONG 155 57.6E

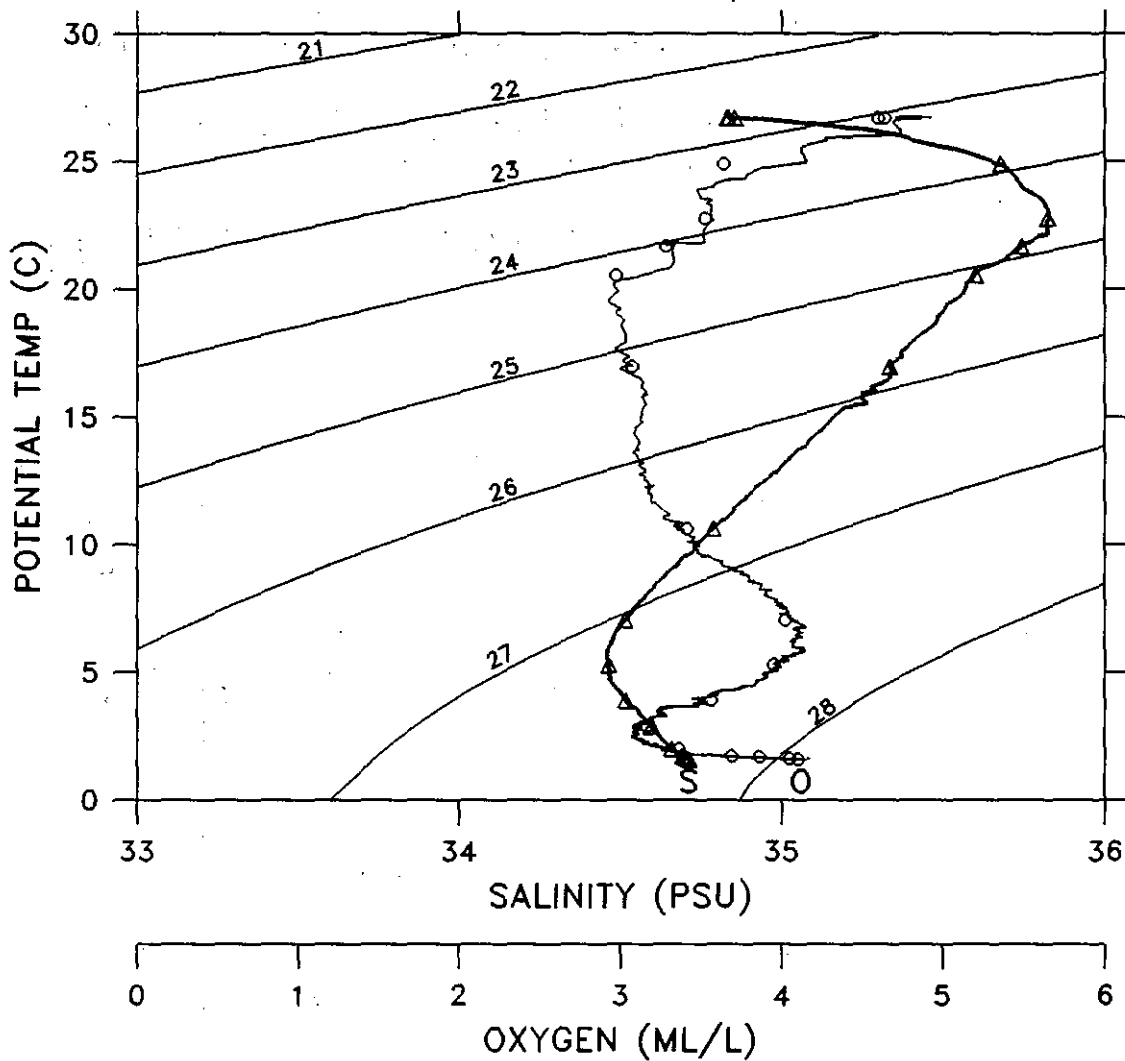


CAST TW3-87-OC-008 DATE 16 JUL 87 TIME 0409 GMT
 LAT 10 36.8S LONG 155 57.6E WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 160 T SPD 17 KT VISIBILITY 8
 CLOUD 8 AMOUNT 4 DRY 26.4 WET 20.0 DEPTH 3820 M

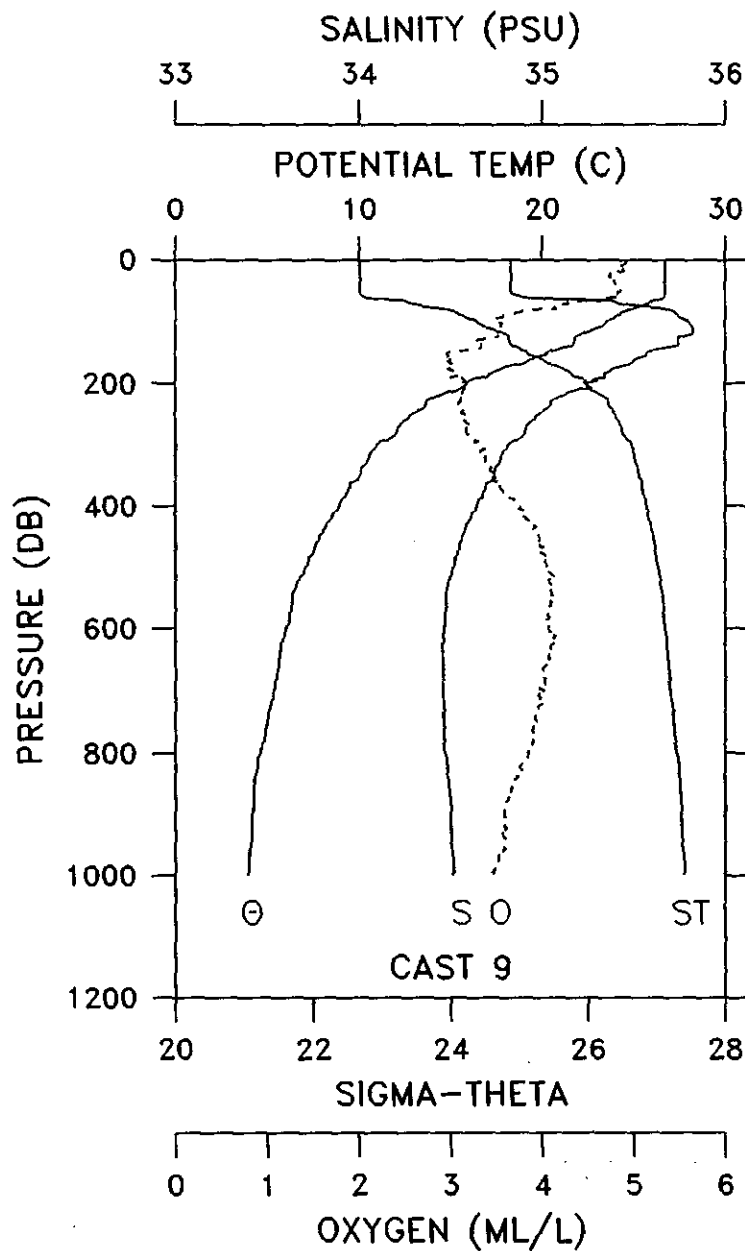


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.701	34.883	4.71	22.727	0.000
10	26.700	34.883	4.72	22.727	0.051
20	26.701	34.883	4.71	22.727	0.102
30	26.686	34.882	4.73	22.731	0.154
40	26.674	34.881	4.79	22.734	0.205
50	26.662	34.884	4.77	22.740	0.256
60	26.624	34.902	4.72	22.765	0.307
70	24.773	35.668	3.94	23.917	0.354
80	24.176	35.749	3.66	24.157	0.393
90	23.642	35.772	3.50	24.334	0.430
100	23.310	35.821	3.52	24.468	0.466
110	22.602	35.826	3.42	24.676	0.500
120	22.010	35.820	3.51	24.839	0.532
130	21.542	35.783	3.51	24.942	0.563
140	21.313	35.764	3.37	24.992	0.593
150	20.523	35.697	3.48	25.155	0.623
160	20.012	35.644	3.40	25.251	0.651
170	19.517	35.598	3.38	25.346	0.678
180	18.687	35.511	3.35	25.492	0.704
190	17.503	35.375	3.08	25.682	0.729
200	17.167	35.345	3.01	25.740	0.753
250	14.351	35.114	3.05	26.201	0.858
300	12.729	34.966	3.13	26.421	0.948
350	11.312	34.842	3.32	26.596	1.028
400	9.766	34.712	3.57	26.767	1.101
450	7.877	34.542	4.00	26.933	1.164
500	7.265	34.513	4.08	26.999	1.222
550	6.505	34.465	4.12	27.065	1.278
600	6.060	34.452	4.18	27.112	1.330
650	5.165	34.452	4.08	27.222	1.379
700	4.999	34.454	3.98	27.243	1.425
750	4.668	34.467	3.90	27.291	1.468
800	4.327	34.486	3.85	27.343	1.510
900	4.149	34.493	3.71	27.368	1.589
1000	3.817	34.517	3.55	27.421	1.665
1500	2.862	34.594	3.13	27.573	2.006
2000	2.174	34.643	3.13	27.672	2.284
2500	1.839	34.672	3.37	27.722	2.535
3000	1.652	34.701	3.84	27.759	2.773
3500	1.601	34.709	4.04	27.769	3.008
3894	1.590	34.711	4.13	27.771	3.199

CAST TW3-87-OC-009 DATE 16 JUL 87 TIME 0816 GMT
LAT 10 33.4S LONG 156 04.7E

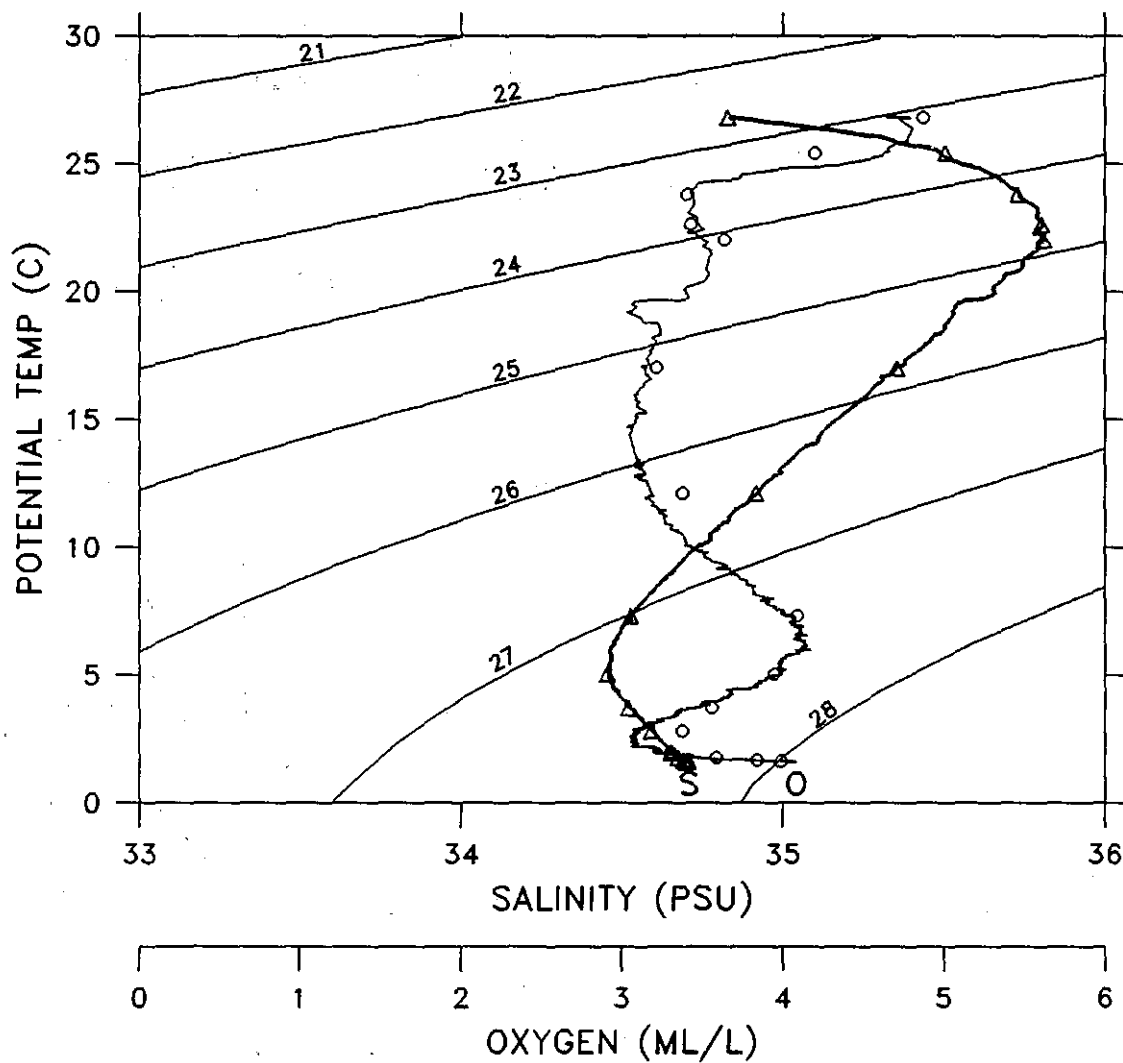


CAST TW3-87-OC-009 DATE 16 JUL 87 TIME 0816 GMT
 LAT 10 33.4S LONG 156 04.7E WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 165 T SPD 18 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 24.4 WET 22.1 DEPTH 3854 M

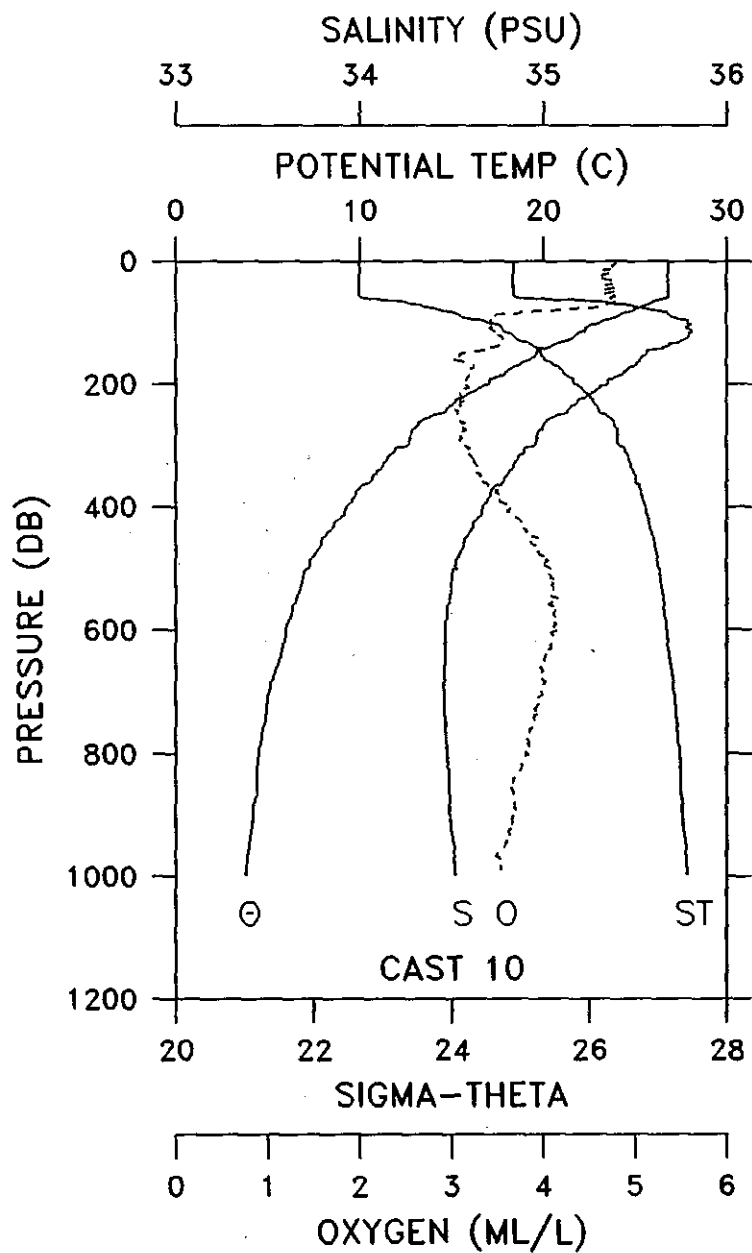


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.723	34.831	4.92	22.680	0.000
10	26.723	34.830	4.85	22.680	0.052
20	26.723	34.831	4.75	22.680	0.103
30	26.717	34.831	4.70	22.683	0.155
40	26.720	34.831	4.80	22.681	0.207
50	26.716	34.832	4.85	22.683	0.259
60	26.676	34.906	4.86	22.752	0.310
70	25.830	35.404	4.28	23.393	0.358
80	24.717	35.696	3.90	23.955	0.400
90	24.076	35.738	3.58	24.180	0.439
100	23.551	35.801	3.50	24.382	0.475
110	22.953	35.824	3.56	24.574	0.511
120	22.115	35.807	3.51	24.800	0.543
130	21.778	35.741	3.31	24.845	0.575
140	21.568	35.727	3.32	24.893	0.606
150	20.321	35.578	2.99	25.119	0.636
160	19.483	35.517	2.93	25.293	0.664
170	18.600	35.473	3.00	25.486	0.691
180	17.339	35.376	3.05	25.722	0.715
190	16.687	35.338	3.06	25.849	0.738
200	15.894	35.249	3.14	25.964	0.759
250	12.856	34.986	3.15	26.411	0.852
300	10.967	34.811	3.28	26.635	0.932
350	10.021	34.739	3.46	26.745	1.003
400	8.919	34.644	3.75	26.853	1.069
450	7.844	34.561	3.96	26.952	1.130
500	7.091	34.512	4.07	27.022	1.187
550	6.375	34.475	4.12	27.089	1.241
600	6.031	34.464	4.07	27.125	1.292
650	5.655	34.458	4.05	27.167	1.342
700	5.384	34.459	3.98	27.201	1.390
750	5.023	34.463	3.94	27.247	1.436
800	4.635	34.470	3.84	27.296	1.480
900	4.194	34.501	3.59	27.369	1.561
1000	3.977	34.516	3.45	27.404	1.639
1500	2.902	34.592	3.10	27.568	1.983
2000	2.176	34.643	3.21	27.672	2.261
2500	1.804	34.677	3.41	27.728	2.512
3000	1.672	34.698	3.80	27.755	2.749
3500	1.598	34.710	4.07	27.770	2.984
3888	1.596	34.710	4.12	27.771	3.173

CAST TW3-87-OC-010 DATE 16 JUL 87 TIME 1222 GMT
LAT 10 28.9S LONG 156 12.4E

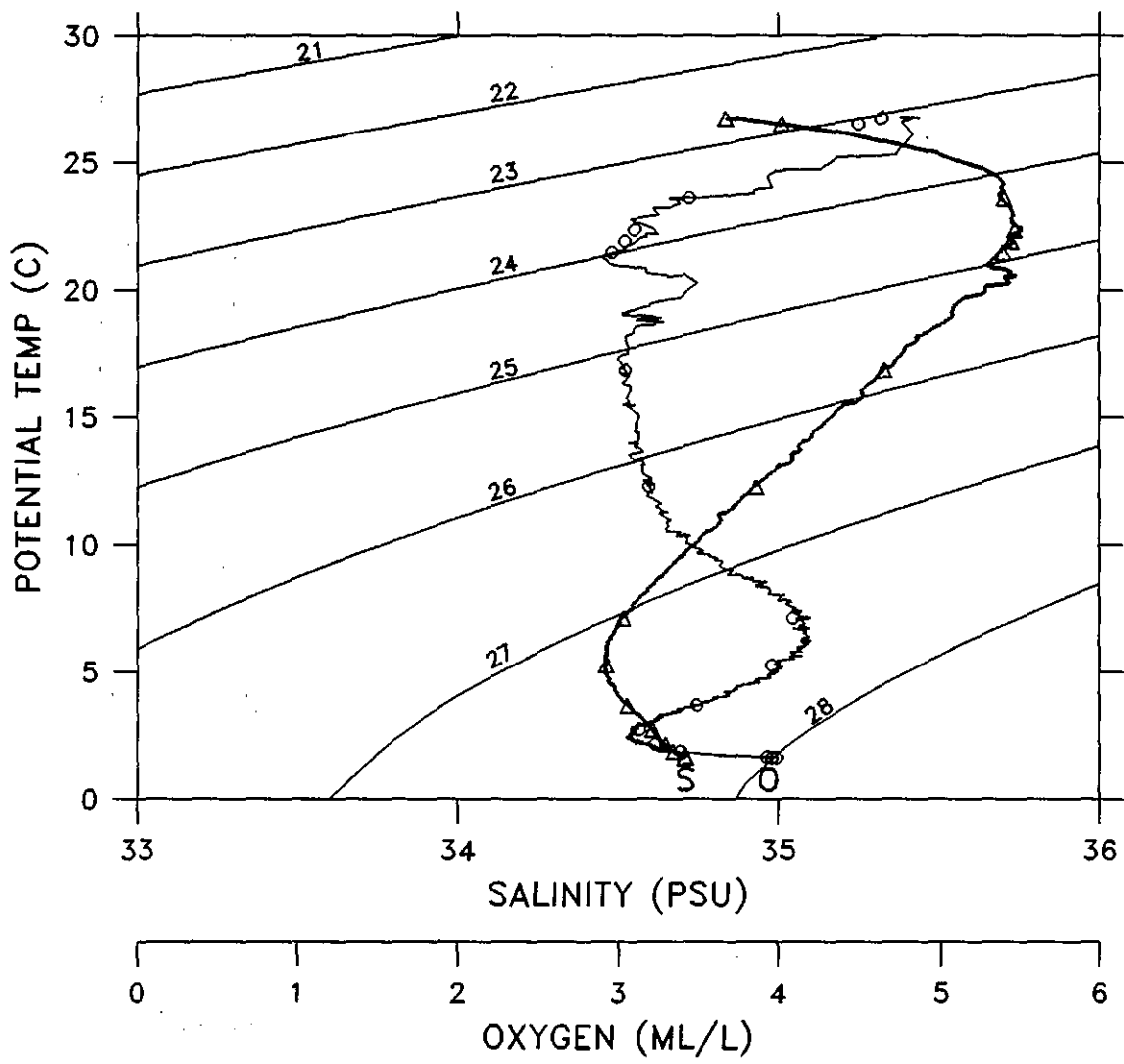


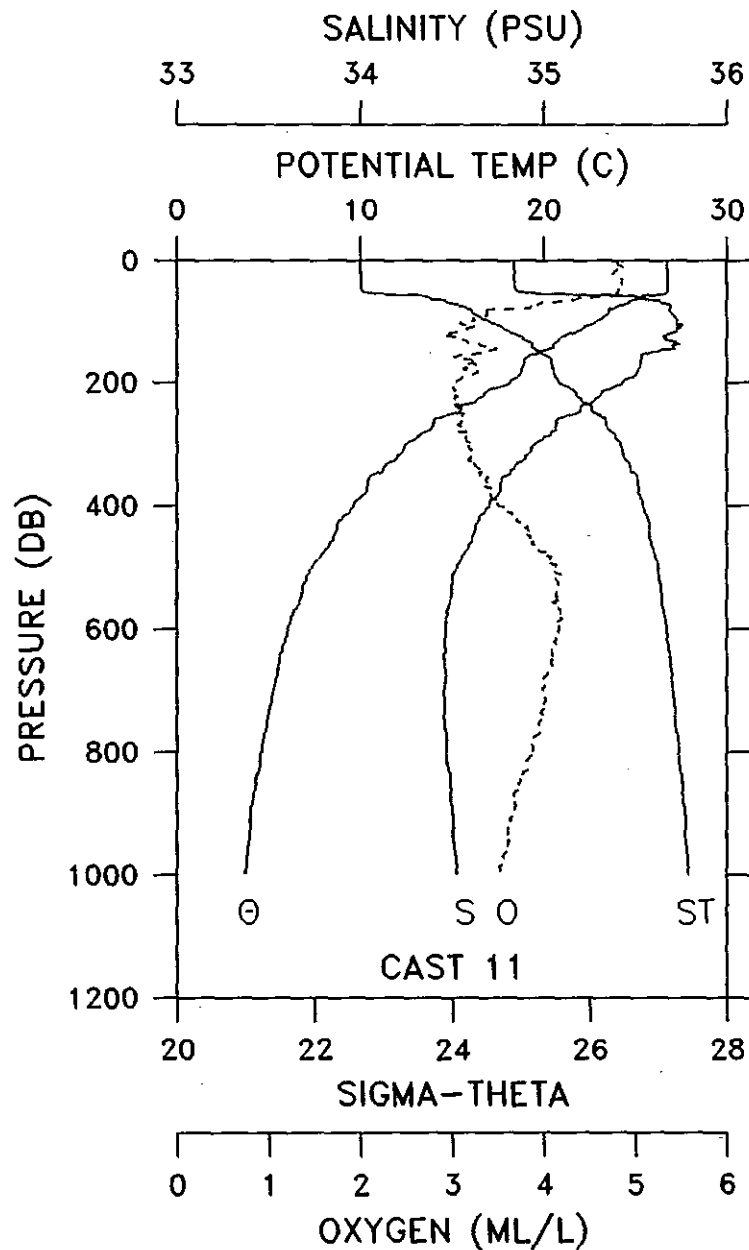
CAST TW3-87-OC-010 DATE 16 JUL 87 TIME 1222 GMT
 LAT 10 28.9S LONG 156 12.4E WEATHER 1 SEA STATE 4
 BAROMETER 14 WIND DIR 163 T SPD 22 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 DRY 26.1 WET 22.9 DEPTH 3687 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.798	34.836	4.78	22.661	0.000
10	26.809	34.836	4.76	22.657	0.052
20	26.812	34.836	4.71	22.656	0.104
30	26.813	34.836	4.71	22.656	0.156
40	26.813	34.835	4.71	22.655	0.208
50	26.810	34.839	4.77	22.659	0.260
60	26.766	34.871	4.72	22.697	0.312
70	25.705	35.412	4.68	23.438	0.359
80	24.862	35.596	4.15	23.836	0.402
90	24.104	35.701	3.47	24.143	0.441
100	23.021	35.787	3.42	24.526	0.477
110	22.299	35.788	3.41	24.734	0.510
120	21.779	35.795	3.50	24.885	0.542
130	21.270	35.744	3.54	24.988	0.573
140	20.233	35.657	3.44	25.203	0.601
150	19.631	35.561	3.09	25.288	0.629
160	19.261	35.524	3.07	25.356	0.656
170	18.596	35.503	3.24	25.510	0.682
180	17.954	35.441	3.22	25.622	0.707
190	17.336	35.378	3.17	25.725	0.730
200	17.029	35.348	3.14	25.776	0.753
250	13.997	35.076	3.07	26.247	0.856
300	12.588	34.954	3.15	26.440	0.941
350	10.701	34.794	3.31	26.670	1.018
400	9.270	34.670	3.65	26.816	1.087
450	8.000	34.575	3.93	26.940	1.149
500	7.158	34.533	4.08	27.029	1.207
550	6.538	34.486	4.14	27.077	1.262
600	6.003	34.465	4.16	27.130	1.314
650	5.629	34.465	4.02	27.177	1.363
700	5.113	34.460	3.98	27.234	1.410
750	4.832	34.465	3.89	27.271	1.455
800	4.512	34.473	3.82	27.313	1.498
900	4.215	34.493	3.67	27.360	1.580
1000	3.802	34.519	3.52	27.424	1.656
1500	2.889	34.593	3.08	27.570	1.993
2000	2.125	34.648	3.19	27.680	2.268
2500	1.866	34.672	3.40	27.720	2.521
3000	1.688	34.695	3.75	27.752	2.760
3500	1.615	34.707	4.00	27.767	2.999
3597	1.605	34.709	4.08	27.769	3.045

CAST TW3-87-OC-011 DATE 16 JUL 87 TIME 1633 GMT
LAT 10 25.0S LONG 156 19.8E

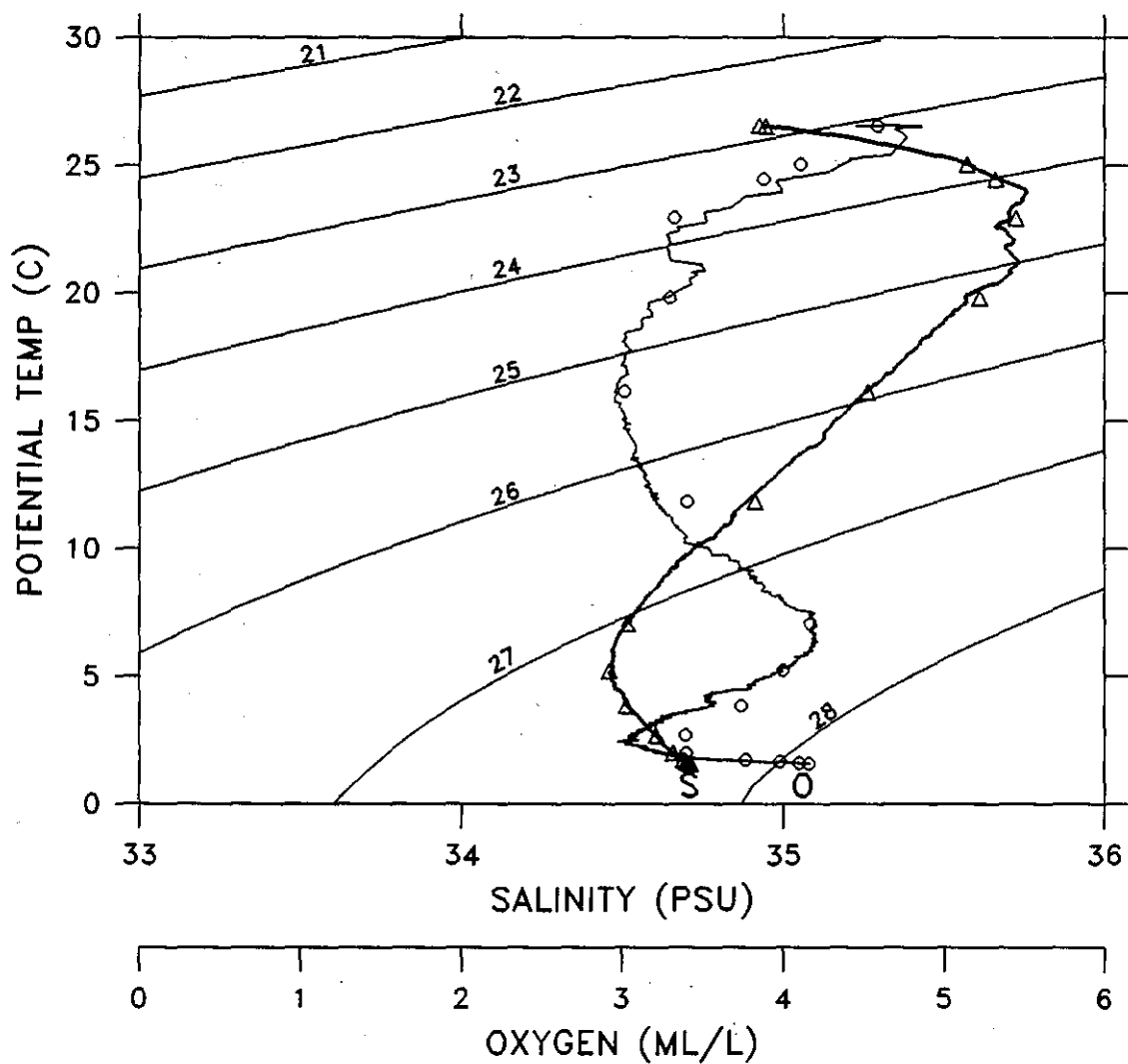




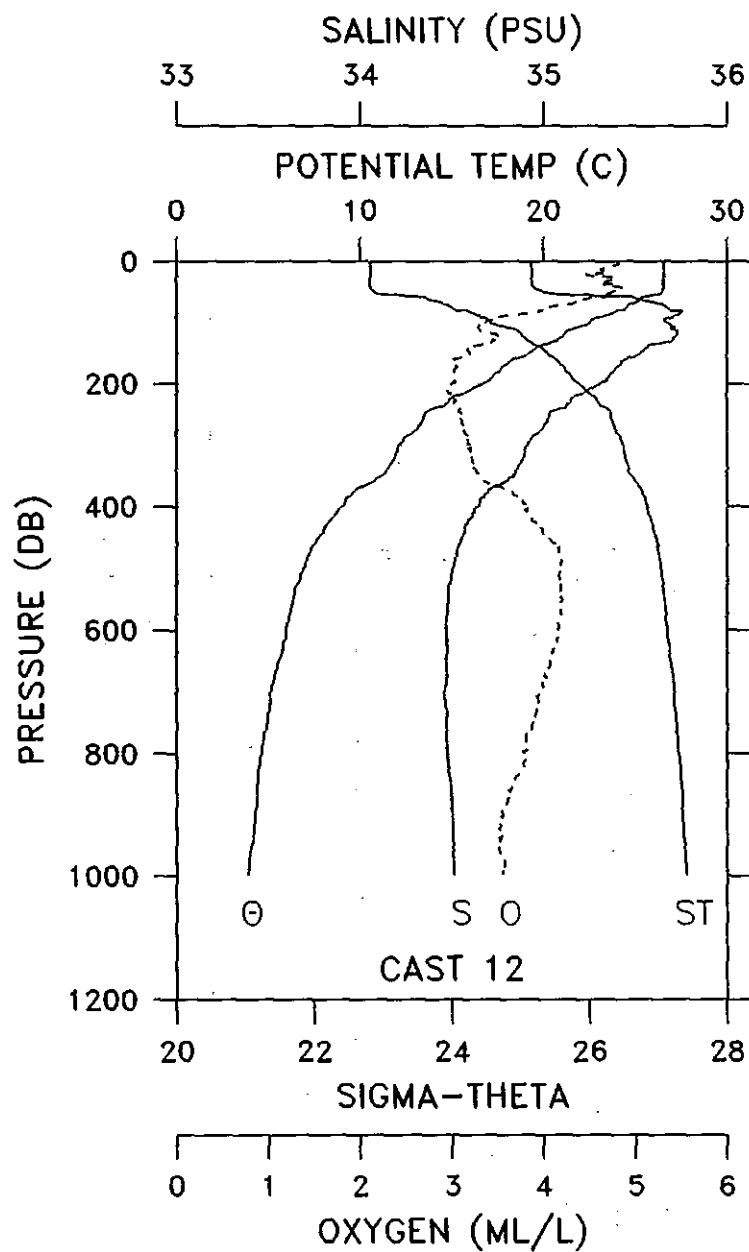
CAST TW3-87-OC-011 DATE 16 JUL 87 TIME 1633 GMT
 LAT 10 25.0S LONG 156 19.8E WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 160 T SPD 20 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 24.8 WET 21.0 DEPTH 3081 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.765	34.840	4.81	22.674	0.000
10	26.768	34.840	4.86	22.673	0.052
20	26.773	34.843	4.76	22.673	0.103
30	26.768	34.840	4.86	22.673	0.155
40	26.767	34.840	4.85	22.674	0.207
50	26.764	34.852	4.80	22.683	0.259
60	25.305	35.500	4.73	23.628	0.307
70	24.676	35.643	3.99	23.927	0.349
80	23.692	35.687	3.68	24.255	0.387
90	23.430	35.707	3.38	24.346	0.423
100	22.844	35.723	3.15	24.528	0.459
110	22.205	35.737	3.21	24.722	0.492
120	21.455	35.685	2.97	24.892	0.524
130	20.869	35.657	3.09	25.031	0.554
140	20.500	35.698	3.30	25.162	0.583
150	19.791	35.604	3.41	25.278	0.611
160	19.032	35.535	3.02	25.424	0.638
170	18.910	35.527	3.24	25.448	0.664
180	18.779	35.514	3.19	25.471	0.690
190	18.623	35.494	3.18	25.496	0.716
200	18.194	35.431	3.04	25.555	0.741
250	15.099	35.169	3.12	26.081	0.851
300	12.503	34.945	3.15	26.450	0.941
350	10.725	34.807	3.31	26.675	1.020
400	9.639	34.700	3.50	26.779	1.090
450	8.555	34.613	3.86	26.886	1.154
500	7.338	34.522	4.09	26.995	1.214
550	6.739	34.492	4.16	27.055	1.269
600	6.036	34.463	4.17	27.124	1.322
650	5.613	34.456	4.09	27.171	1.371
700	5.266	34.457	4.00	27.214	1.419
750	4.928	34.459	3.96	27.255	1.465
800	4.604	34.467	3.85	27.298	1.508
900	4.006	34.502	3.65	27.390	1.589
1000	3.717	34.528	3.52	27.439	1.664
1500	2.717	34.604	3.08	27.595	1.991
2000	2.165	34.644	3.16	27.673	2.266
2500	1.864	34.669	3.34	27.718	2.518
3000	1.644	34.703	3.85	27.761	2.755
3233	1.628	34.705	3.94	27.764	2.863

CAST TW3-87-OC-012 DATE 16 JUL 87 TIME 2056 GMT
LAT 10 20.8S LONG 156 26.4E



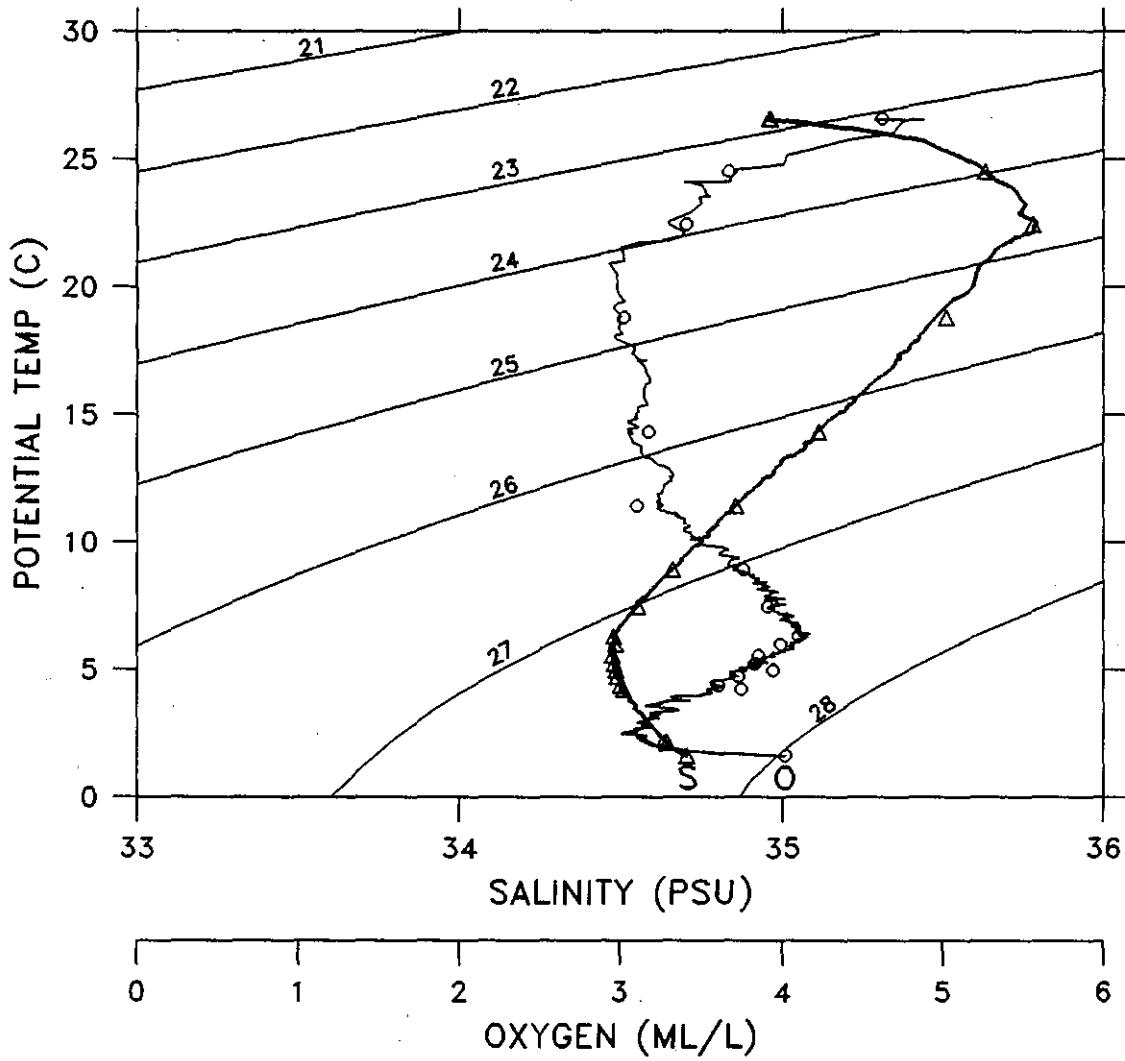
275



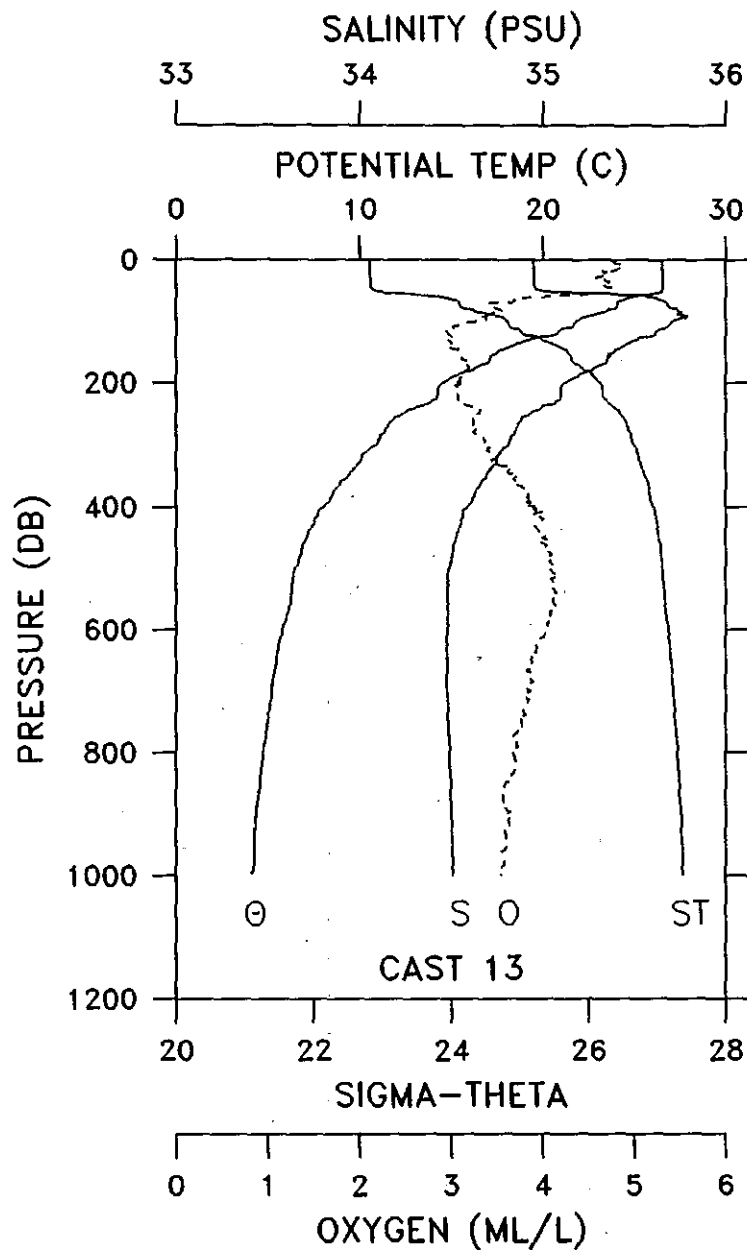
CAST TW3-87-OC-012 DATE 16 JUL 87 TIME 2056 GMT
 LAT 10 20.8S LONG 156 26.4E WEATHER 1 SEA STATE 4
 BAROMETER 14 WIND DIR 150 T SPD 22 KT VISIBILITY 7
 CLOUD 6 AMOUNT 7 DRY 25.6 WET 21.0 DEPTH 3450 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.554	34.934	4.81	22.812	0.000
10	26.555	34.935	4.69	22.812	0.050
20	26.557	34.938	4.59	22.813	0.101
30	26.556	34.939	4.74	22.815	0.151
40	26.553	34.944	4.75	22.820	0.202
50	26.486	34.995	4.74	22.879	0.252
60	25.331	35.504	4.52	23.623	0.298
70	24.628	35.648	4.17	23.946	0.340
80	24.081	35.751	3.99	24.188	0.379
90	23.168	35.700	3.51	24.417	0.416
100	22.577	35.674	3.35	24.568	0.450
110	21.596	35.704	3.29	24.867	0.483
120	21.092	35.723	3.49	25.021	0.513
130	20.632	35.692	3.44	25.122	0.542
140	19.602	35.561	3.17	25.295	0.570
150	19.161	35.526	3.19	25.383	0.597
160	18.340	35.459	3.03	25.540	0.623
170	17.921	35.415	3.03	25.611	0.648
180	17.622	35.385	3.02	25.661	0.672
190	17.150	35.349	3.00	25.747	0.695
200	16.604	35.299	2.99	25.839	0.718
250	13.528	35.032	3.08	26.311	0.817
300	12.119	34.909	3.22	26.497	0.902
350	11.171	34.842	3.31	26.622	0.980
400	8.965	34.635	3.78	26.838	1.049
450	7.743	34.556	4.03	26.963	1.110
500	6.918	34.506	4.18	27.041	1.166
550	6.360	34.480	4.20	27.095	1.219
600	5.981	34.469	4.17	27.136	1.270
650	5.592	34.470	4.07	27.185	1.320
700	5.125	34.461	3.97	27.233	1.366
750	4.935	34.469	3.89	27.262	1.411
800	4.641	34.477	3.78	27.301	1.455
900	4.300	34.505	3.56	27.361	1.537
1000	3.886	34.513	3.54	27.410	1.615
1500	2.716	34.605	3.07	27.595	1.944
2000	2.124	34.647	3.17	27.679	2.218
2500	1.845	34.672	3.35	27.721	2.468
3000	1.650	34.702	3.85	27.760	2.704
3500	1.593	34.712	4.12	27.772	2.939
3650	1.582	34.713	4.13	27.774	3.010

CAST TW3-87-OC-013 DATE 17 JUL 87 TIME 0117 GMT
LAT 10 11.1S LONG 156 39.7E



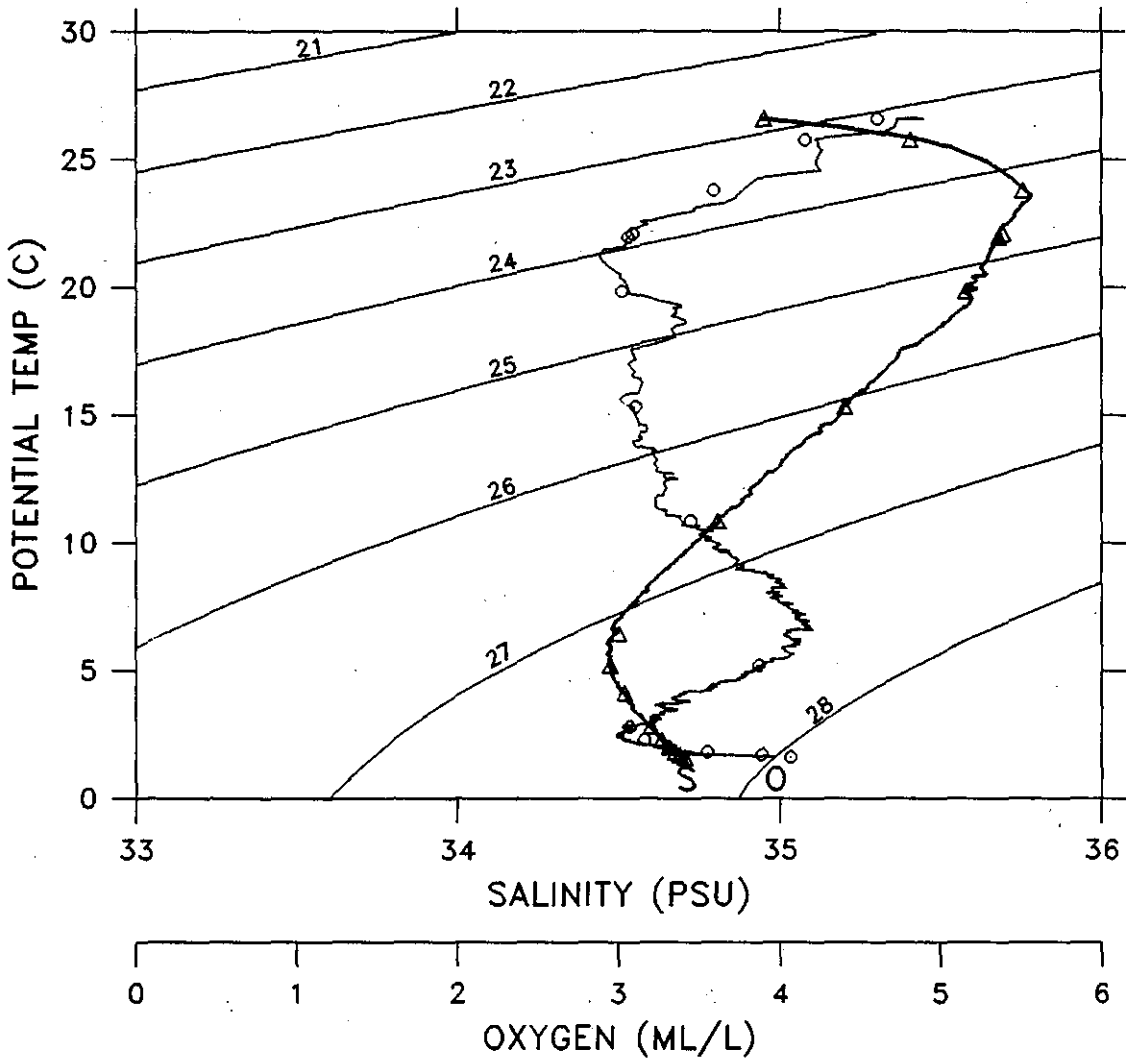
277



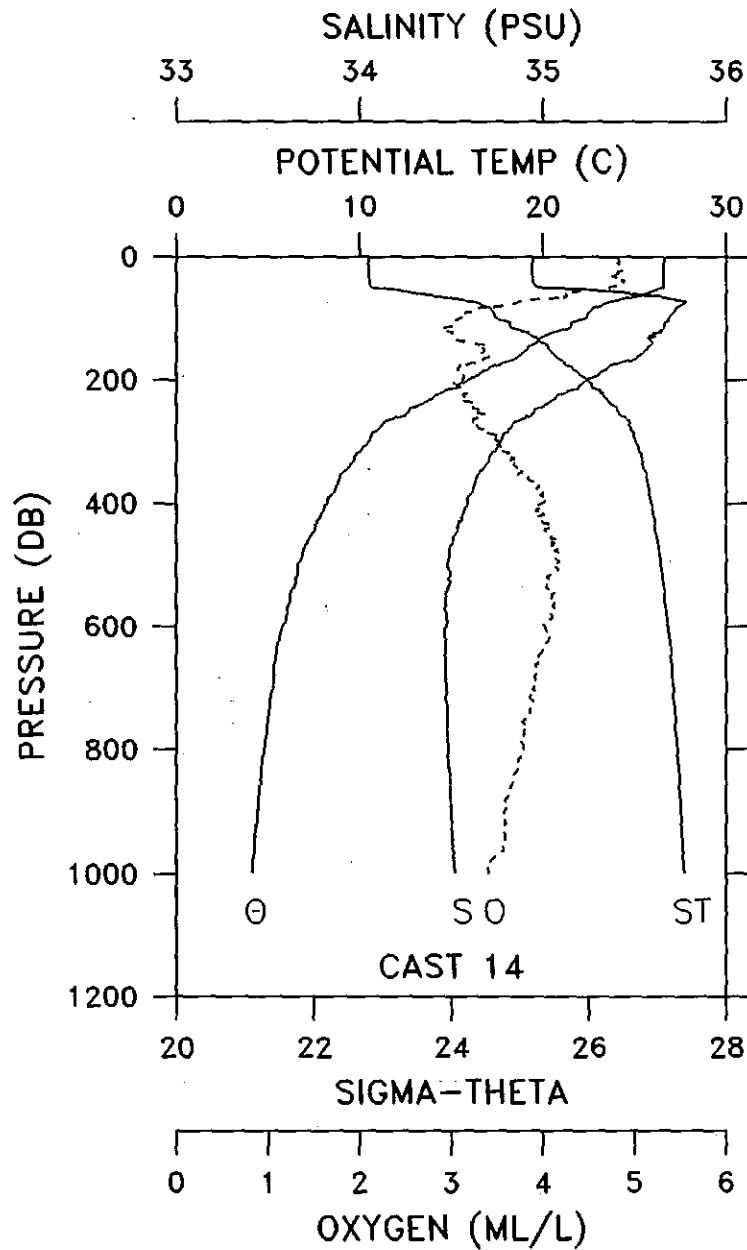
CAST TW3-87-OC-013 DATE 17 JUL 87 TIME 0117 GMT
 LAT 10 11.1S LONG 156 39.7E WEATHER 1 SEA STATE 4
 BAROMETER 15 WIND DIR 160 T SPD 18 KT VISIBILITY 8
 CLOUD 3 AMOUNT 4 DRY 26.4 WET 20.6 DEPTH 3127 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.545	34.952	4.78	22.828	0.000
10	26.544	34.952	4.87	22.828	0.050
20	26.543	34.952	4.68	22.829	0.100
30	26.544	34.952	4.59	22.828	0.151
40	26.543	34.952	4.70	22.829	0.201
50	26.500	35.003	4.77	22.881	0.251
60	25.012	35.567	4.02	23.768	0.297
70	24.104	35.679	3.53	24.127	0.337
80	23.788	35.727	3.52	24.256	0.374
90	22.724	35.761	3.37	24.592	0.410
100	21.795	35.708	3.31	24.815	0.442
110	21.525	35.672	3.01	24.862	0.474
120	20.785	35.612	2.95	25.020	0.504
130	19.383	35.522	3.01	25.323	0.532
140	18.310	35.444	3.00	25.536	0.558
150	17.511	35.390	3.08	25.692	0.582
160	17.151	35.355	3.12	25.752	0.605
170	16.794	35.339	3.16	25.824	0.628
180	15.992	35.260	3.15	25.950	0.650
190	15.137	35.188	3.12	26.088	0.670
200	14.597	35.128	3.09	26.159	0.689
250	12.346	34.931	3.30	26.469	0.779
300	10.866	34.807	3.40	26.650	0.855
350	9.341	34.692	3.73	26.822	0.923
400	8.034	34.588	3.92	26.945	0.985
450	7.128	34.529	4.00	27.030	1.041
500	6.520	34.492	4.08	27.084	1.095
550	6.249	34.478	4.12	27.109	1.146
600	5.799	34.476	4.06	27.164	1.197
650	5.473	34.477	3.87	27.205	1.244
700	5.234	34.479	3.87	27.235	1.291
750	5.025	34.484	3.76	27.263	1.336
800	4.750	34.490	3.68	27.299	1.379
900	4.350	34.503	3.61	27.354	1.463
1000	4.125	34.510	3.57	27.383	1.543
1500	2.826	34.596	3.17	27.579	1.888
2000	2.128	34.646	3.19	27.678	2.164
2500	1.820	34.674	3.38	27.725	2.412
3000	1.675	34.698	3.78	27.755	2.649
3250	1.624	34.707	4.01	27.766	2.766

CAST TW3-87-OC-014 DATE 17 JUL 87 TIME 0541 GMT
LAT 10 03.6S LONG 156 52.6E

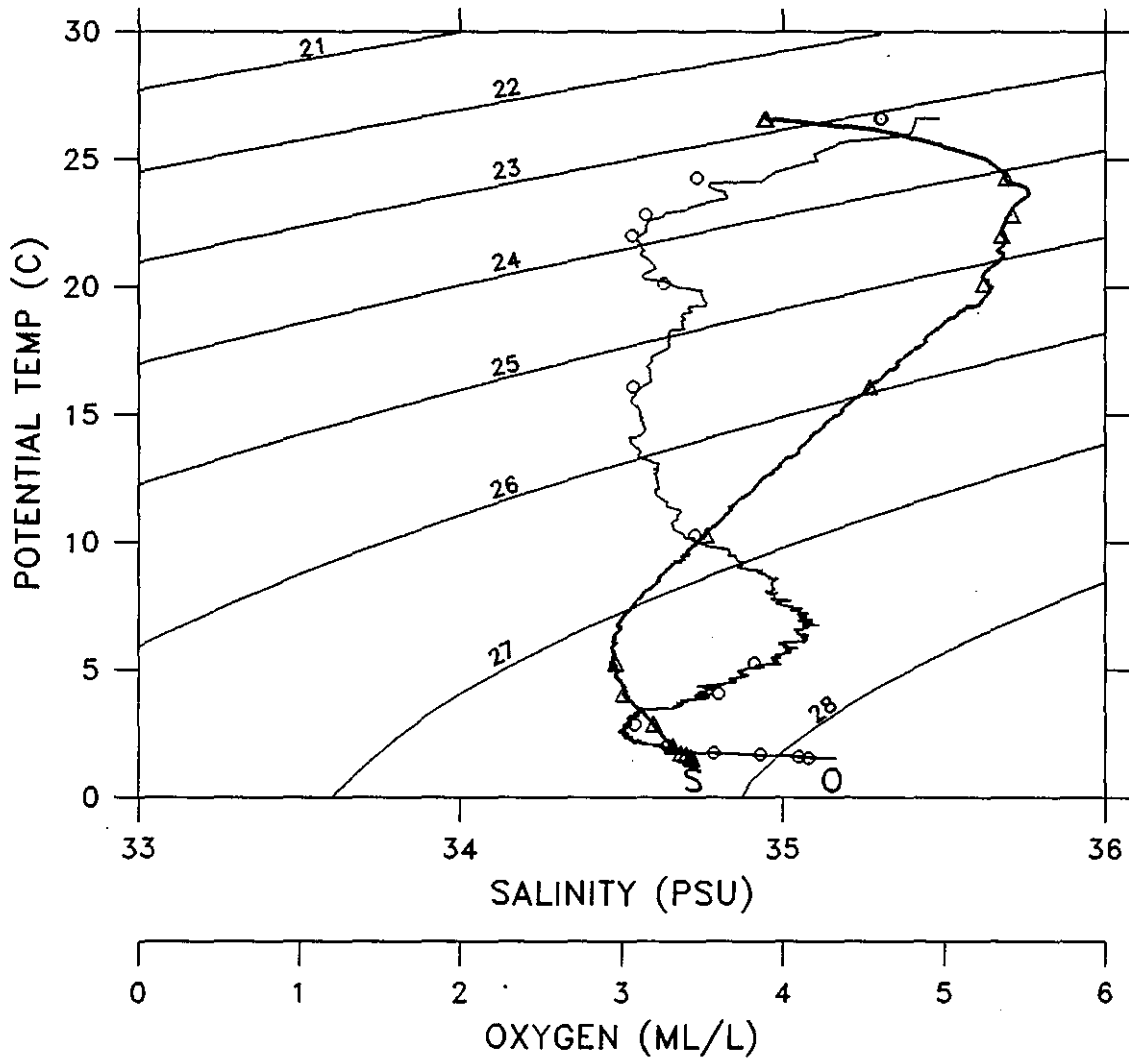


CAST TW3-87-OC-014 DATE 17 JUL 87 TIME 0541 GMT
 LAT 10 03.6S LONG 156 52.6E WEATHER 1 SEA STATE 5
 BAROMETER 13 WIND DIR 150 T SPD 16 KT VISIBILITY 9
 CLOUD 3 AMOUNT 2 DRY 26.5 WET 20.5 DEPTH 3149 M

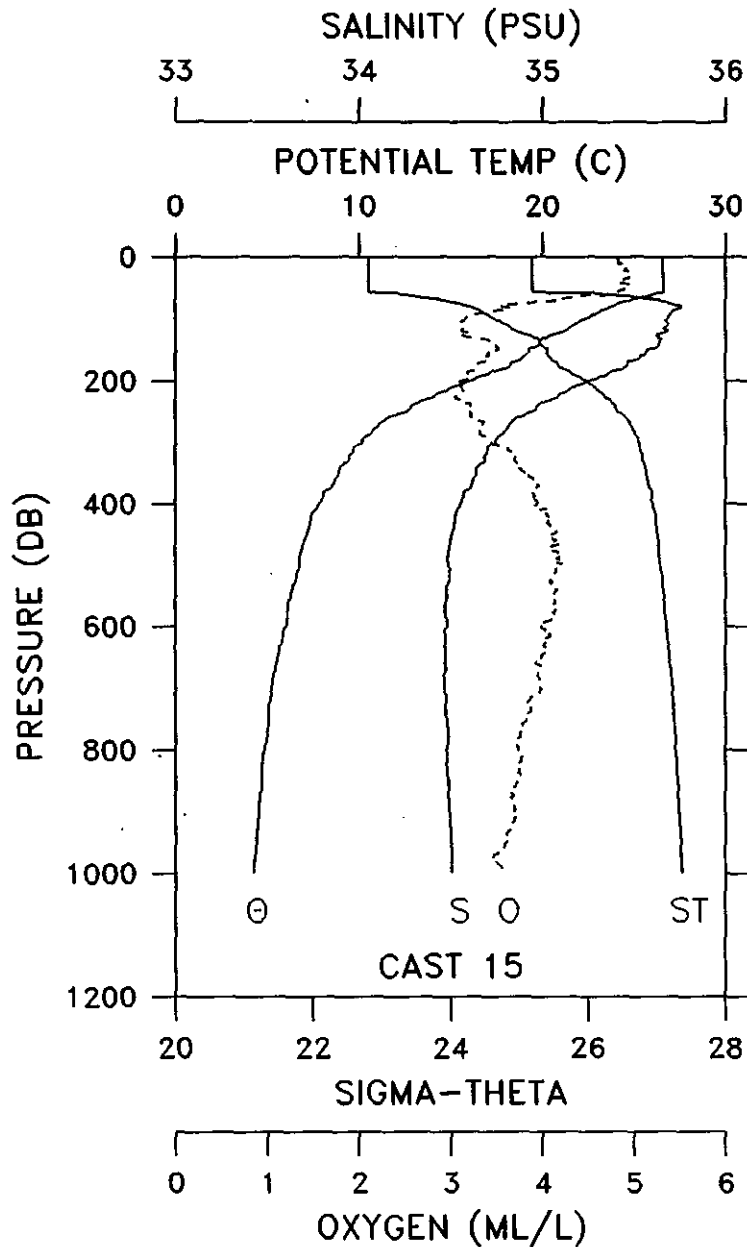


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.618	34.944	4.82	22.799	0.000
10	26.616	34.944	4.82	22.800	0.050
20	26.597	34.944	4.85	22.806	0.101
30	26.589	34.944	4.81	22.808	0.152
40	26.586	34.949	4.87	22.813	0.202
50	26.537	35.006	4.74	22.872	0.252
60	25.622	35.493	4.24	23.525	0.299
70	24.220	35.724	3.85	24.126	0.339
80	23.115	35.750	3.47	24.471	0.375
90	22.558	35.716	3.14	24.605	0.409
100	22.278	35.684	3.08	24.661	0.443
110	21.537	35.661	2.99	24.851	0.475
120	20.917	35.638	2.93	25.004	0.506
130	20.013	35.597	3.06	25.215	0.535
140	19.532	35.599	3.22	25.343	0.562
150	19.150	35.567	3.36	25.417	0.588
160	18.709	35.530	3.41	25.501	0.614
170	18.043	35.453	3.35	25.609	0.639
180	17.108	35.355	3.08	25.762	0.663
190	16.547	35.306	3.08	25.857	0.685
200	15.860	35.238	3.09	25.964	0.706
250	12.697	34.956	3.29	26.420	0.800
300	10.456	34.767	3.58	26.691	0.875
350	9.090	34.655	3.77	26.834	0.942
400	8.242	34.592	3.98	26.917	1.004
450	7.432	34.525	4.06	26.984	1.063
500	6.611	34.481	4.21	27.063	1.118
550	6.221	34.473	4.11	27.108	1.171
600	5.822	34.480	4.02	27.164	1.221
650	5.451	34.471	3.95	27.203	1.269
700	5.253	34.472	3.89	27.228	1.315
750	4.978	34.477	3.83	27.264	1.361
800	4.780	34.482	3.79	27.289	1.405
900	4.435	34.499	3.57	27.342	1.489
1000	4.101	34.522	3.39	27.396	1.569
1500	2.719	34.604	3.08	27.595	1.910
2000	2.175	34.643	3.13	27.671	2.187
2500	1.832	34.675	3.43	27.725	2.438
3000	1.688	34.698	3.78	27.754	2.677
3199	1.631	34.706	3.97	27.764	2.771

CAST TW3-87-OC-015 DATE 17 JUL 87 TIME 1021 GMT
LAT 09 54.7S LONG 157 07.0E

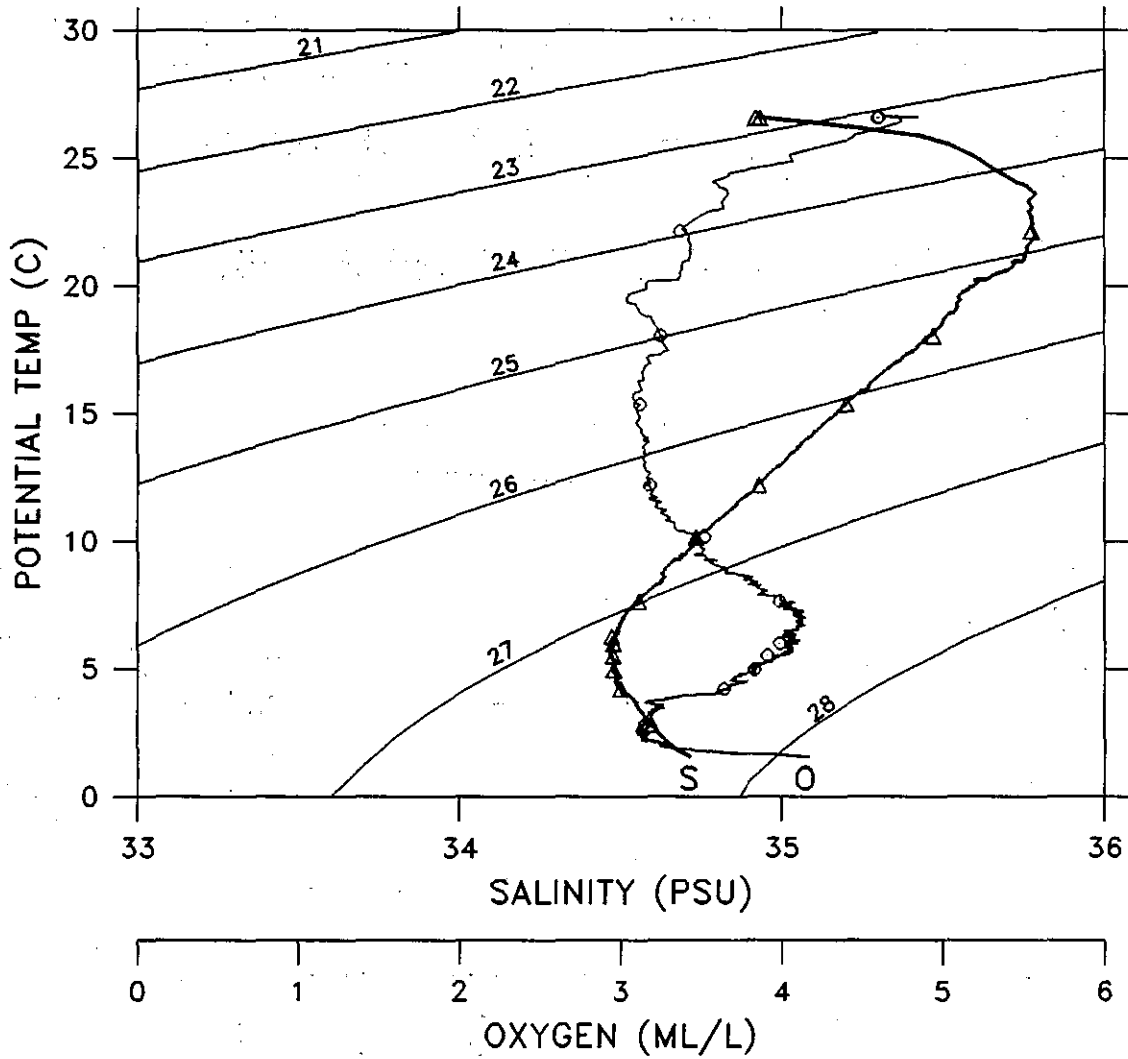


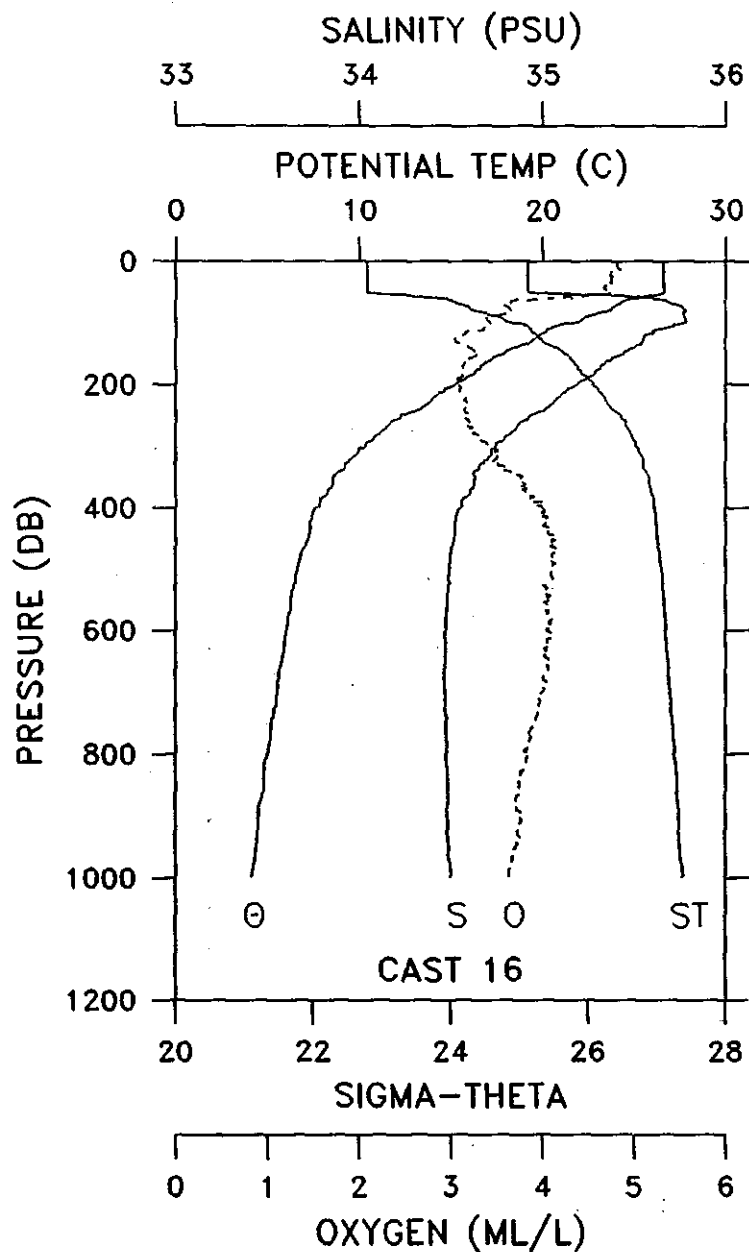
CAST TW3-87-0C-015 DATE 17 JUL 87 TIME 1021 GMT
 LAT 09 54.7S LONG 157 07.0E WEATHER 1 SEA STATE 4
 BAROMETER 14 WIND DIR 142 T SPD 20 KT VISIBILITY 8
 CLOUD X AMOUNT 9 DRY 25.6 WET 21.1 DEPTH 4251 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.599	34.946	4.83	22.806	0.000
10	26.594	34.946	4.83	22.808	0.050
20	26.602	34.945	4.91	22.805	0.101
30	26.607	34.945	4.95	22.804	0.151
40	26.607	34.945	4.83	22.803	0.202
50	26.605	34.945	4.91	22.804	0.253
60	25.999	35.353	4.79	23.302	0.302
70	24.893	35.636	4.18	23.857	0.345
80	23.758	35.758	3.60	24.289	0.383
90	22.979	35.704	3.38	24.475	0.419
100	22.319	35.678	3.15	24.645	0.453
110	21.667	35.682	3.11	24.831	0.486
120	21.118	35.675	3.14	24.977	0.517
130	20.223	35.629	3.25	25.183	0.546
140	19.828	35.636	3.49	25.293	0.573
150	19.238	35.570	3.47	25.397	0.600
160	18.982	35.540	3.40	25.440	0.626
170	18.329	35.471	3.35	25.552	0.652
180	17.841	35.442	3.29	25.651	0.676
190	16.862	35.350	3.15	25.817	0.699
200	15.946	35.258	3.10	25.960	0.721
250	12.519	34.935	3.22	26.439	0.813
300	10.156	34.741	3.44	26.723	0.886
350	8.908	34.638	3.88	26.850	0.952
400	7.835	34.557	3.95	26.951	1.013
450	7.138	34.506	4.11	27.011	1.069
500	6.740	34.488	4.13	27.051	1.124
550	6.269	34.477	4.14	27.105	1.177
600	6.033	34.483	3.98	27.140	1.228
650	5.586	34.474	3.99	27.189	1.277
700	5.204	34.465	3.99	27.228	1.323
750	5.089	34.481	3.85	27.254	1.369
800	4.861	34.481	3.74	27.280	1.413
900	4.552	34.496	3.68	27.326	1.499
1000	4.249	34.506	3.57	27.367	1.581
1500	2.887	34.595	3.05	27.572	1.931
2000	2.201	34.640	3.08	27.667	2.215
2500	1.807	34.671	3.26	27.723	2.468
3000	1.677	34.699	3.82	27.755	2.706
3500	1.597	34.711	4.11	27.771	2.942
4000	1.554	34.715	4.26	27.777	3.183
4343	1.553	34.715	4.31	27.778	3.355

CAST TW3-87-OC-016 DATE 17 JUL 87 TIME 1505 GMT
LAT 09 45.7S LONG 157 19.9E

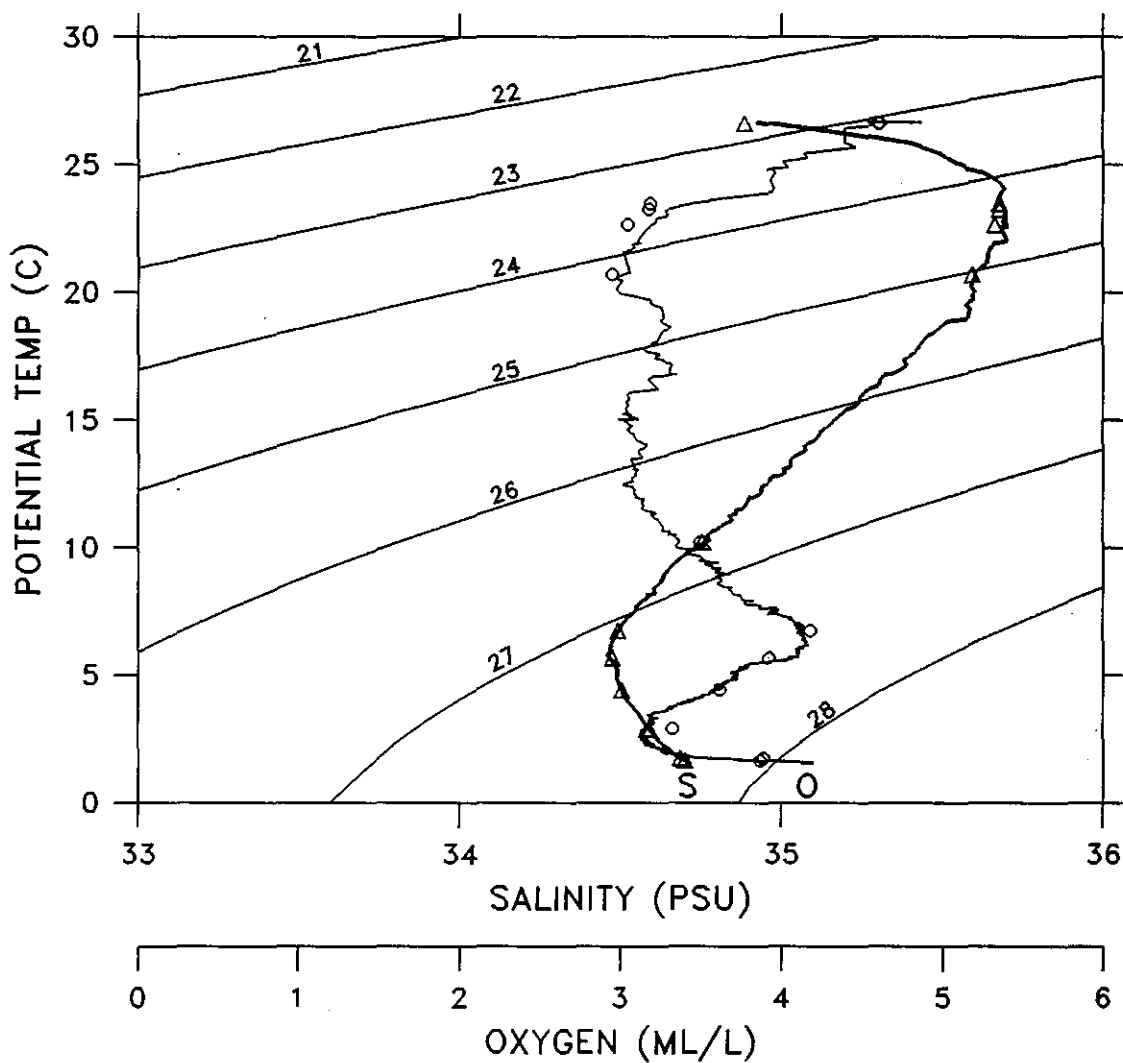


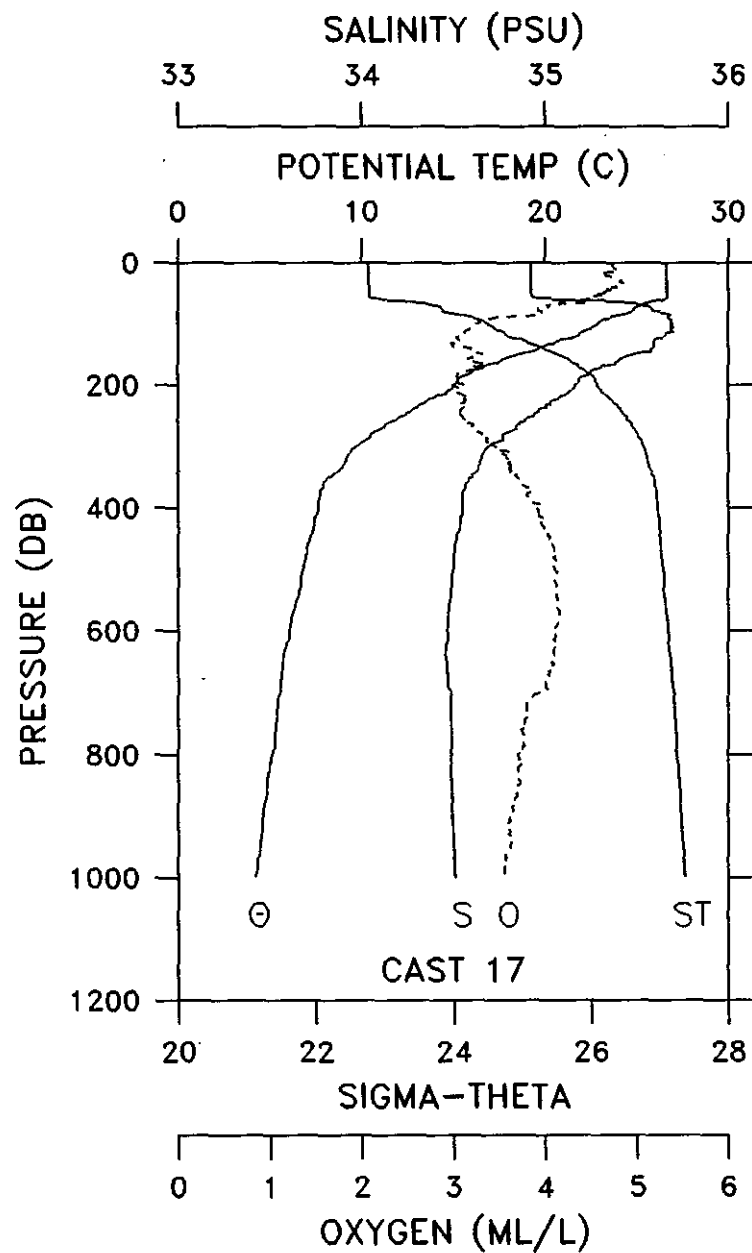


CAST TW3-87-OC-016 DATE 17 JUL 87 TIME 1505 GMT
 LAT 09 45.7S LONG 157 19.9E WEATHER 1 SEA STATE 4
 BAROMETER 14 WIND DIR 150 T SPD 20 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 DRY 25.0 WET 22.0 DEPTH 3547 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.612	34.922	4.82	22.784	0.000
10	26.612	34.921	4.83	22.784	0.051
20	26.603	34.921	4.74	22.786	0.101
30	26.610	34.921	4.76	22.784	0.152
40	26.611	34.920	4.70	22.784	0.203
50	26.613	34.920	4.71	22.783	0.254
60	25.135	35.587	4.05	23.746	0.300
70	24.084	35.724	3.57	24.166	0.339
80	23.653	35.783	3.66	24.338	0.376
90	22.345	35.775	3.40	24.711	0.410
100	21.615	35.762	3.44	24.906	0.442
110	20.261	35.632	3.35	25.176	0.471
120	19.708	35.554	3.06	25.262	0.499
130	19.383	35.548	3.03	25.342	0.526
140	18.508	35.498	3.21	25.528	0.552
150	17.861	35.444	3.26	25.648	0.577
160	17.131	35.372	3.17	25.770	0.600
170	16.656	35.319	3.13	25.841	0.622
180	16.323	35.286	3.14	25.894	0.644
190	15.787	35.237	3.08	25.980	0.665
200	15.219	35.186	3.10	26.067	0.686
250	12.299	34.928	3.17	26.476	0.777
300	10.308	34.745	3.44	26.700	0.852
350	8.637	34.635	3.78	26.890	0.917
400	7.675	34.559	4.00	26.976	0.977
450	7.238	34.519	4.07	27.007	1.033
500	6.644	34.494	4.09	27.069	1.087
550	6.309	34.484	4.05	27.105	1.140
600	6.051	34.473	4.04	27.130	1.191
650	5.782	34.469	4.06	27.161	1.241
700	5.532	34.470	4.00	27.192	1.289
750	5.246	34.477	3.91	27.232	1.337
800	5.025	34.477	3.80	27.258	1.382
900	4.519	34.482	3.79	27.319	1.469
1000	4.122	34.503	3.62	27.378	1.552
1500	2.790	34.598	3.13	27.583	1.896
2000	2.158	34.644	3.21	27.674	2.174
2500	1.855	34.671	3.34	27.720	2.424
3000	1.677	34.697	3.78	27.754	2.663
3500	1.594	34.710	4.11	27.771	2.899
3629	1.571	34.713	4.15	27.775	2.960

CAST TW3-87-OC-017 DATE 17 JUL 87 TIME 1930 GMT
LAT 09 37.7S LONG 157 32.7E

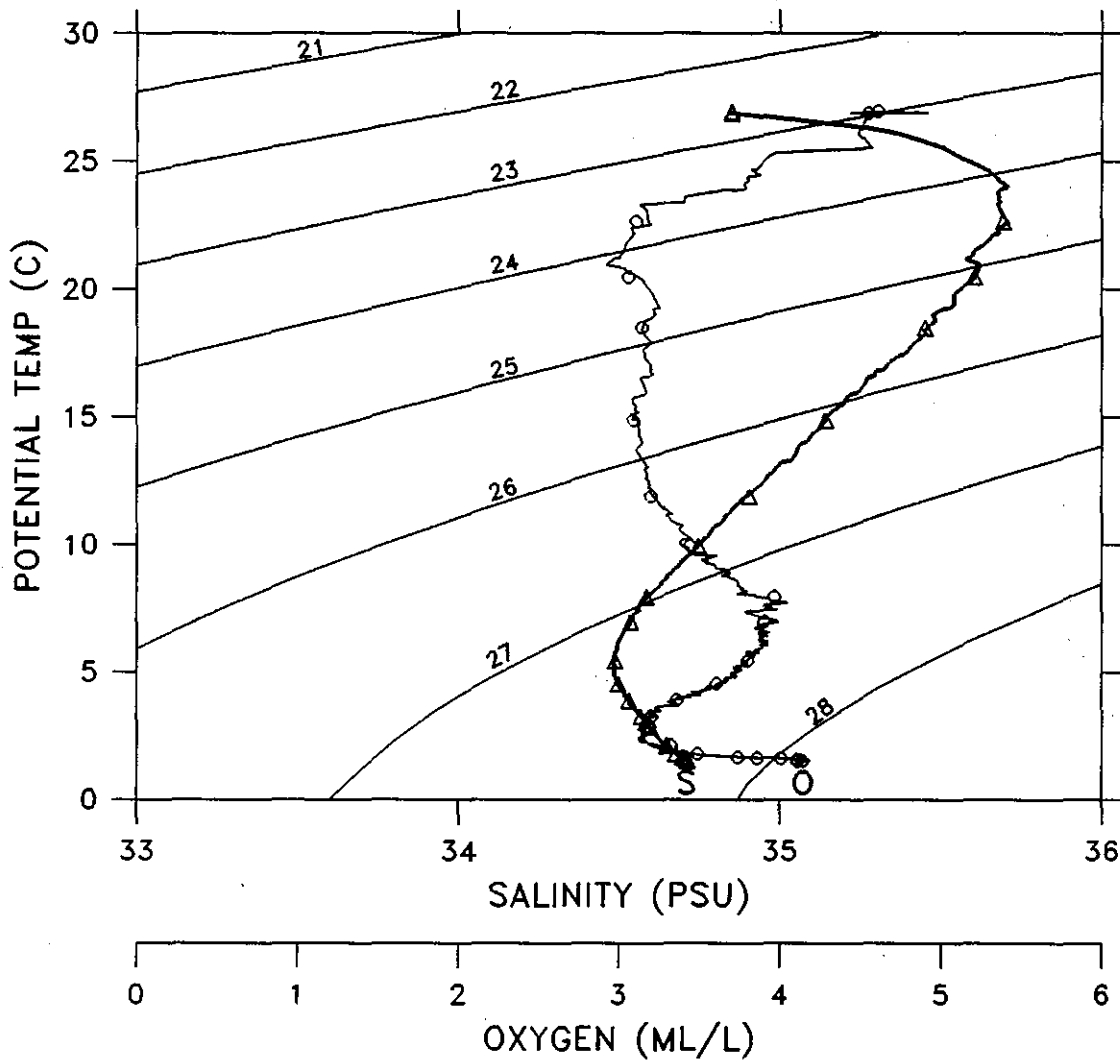


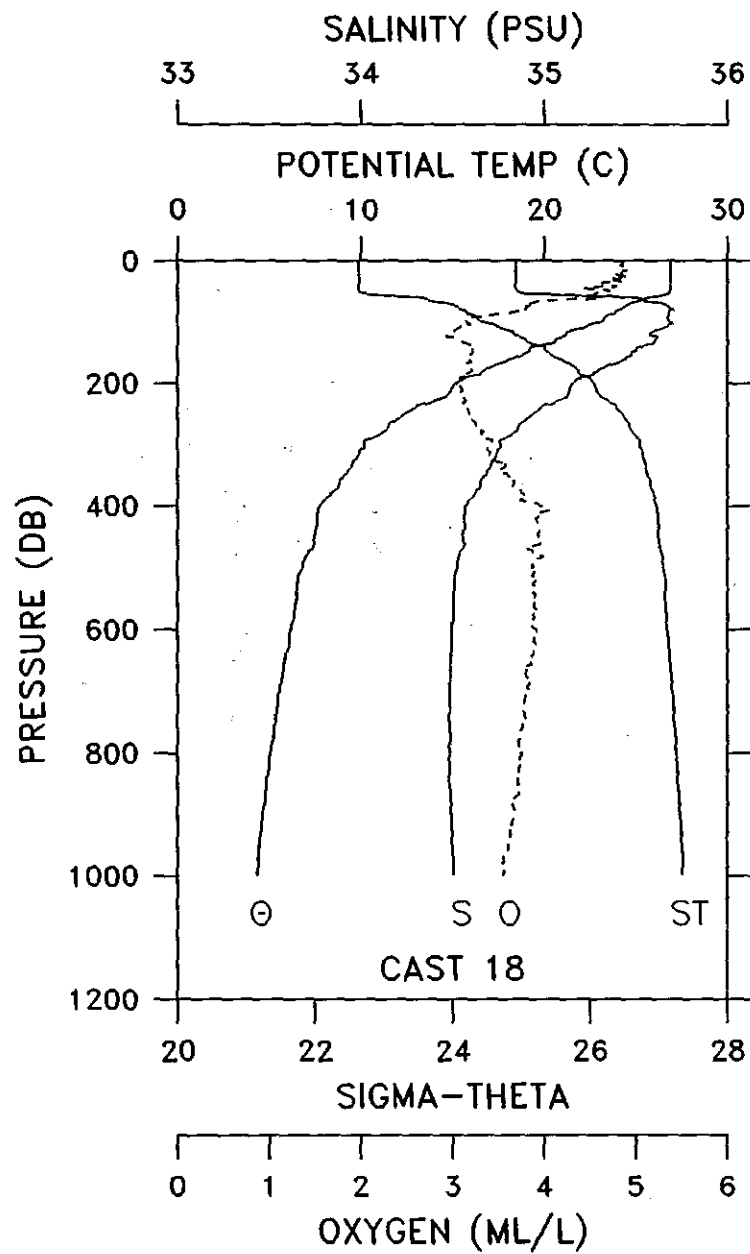


CAST TW3-87-OC-017 DATE 17 JUL 87 TIME 1930 GMT
 LAT 09 37.7S LONG 157 32.7E WEATHER 1 SEA STATE 4
 BAROMETER 14 WIND DIR 150 T SPD 20 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 24.4 WET 22.0 DEPTH 4006 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.658	34.924	4.75	22.771	0.000
10	26.650	34.923	4.78	22.773	0.051
20	26.650	34.923	4.65	22.773	0.102
30	26.651	34.923	4.81	22.773	0.152
40	26.651	34.924	4.77	22.774	0.203
50	26.650	34.924	4.66	22.774	0.254
60	26.480	35.052	4.48	22.924	0.305
70	25.093	35.537	4.00	23.721	0.350
80	24.754	35.602	3.95	23.873	0.391
90	23.502	35.675	3.48	24.301	0.429
100	22.847	35.700	3.22	24.510	0.464
110	22.342	35.688	3.15	24.645	0.499
120	21.722	35.644	3.09	24.786	0.531
130	20.557	35.596	2.97	25.069	0.562
140	19.646	35.582	3.19	25.300	0.590
150	18.500	35.478	3.27	25.514	0.616
160	17.540	35.400	3.25	25.692	0.640
170	16.704	35.312	3.20	25.825	0.663
180	15.960	35.246	3.05	25.947	0.685
190	15.240	35.189	3.02	26.065	0.705
200	15.020	35.166	3.04	26.096	0.725
250	12.135	34.937	3.09	26.515	0.814
300	9.684	34.693	3.49	26.766	0.887
350	8.233	34.610	3.70	26.933	0.950
400	7.630	34.550	3.92	26.975	1.008
450	7.192	34.518	4.04	27.012	1.065
500	6.798	34.499	4.11	27.052	1.119
550	6.494	34.484	4.14	27.081	1.173
600	6.051	34.462	4.13	27.121	1.225
650	5.702	34.465	4.09	27.167	1.275
700	5.544	34.486	3.95	27.203	1.323
750	5.334	34.487	3.76	27.230	1.370
800	5.150	34.491	3.70	27.255	1.416
900	4.626	34.496	3.63	27.318	1.503
1000	4.225	34.511	3.52	27.373	1.586
1500	2.884	34.592	3.14	27.570	1.935
2000	2.138	34.646	3.26	27.677	2.216
2500	1.802	34.676	3.44	27.728	2.465
3000	1.682	34.699	3.81	27.755	2.701
3500	1.570	34.714	4.18	27.775	2.935
3962	1.527	34.711	4.16	27.777	3.156

CAST TW3-87-0C-018 DATE 18 JUL 87 TIME 0215 GMT
LAT 09 28.2S LONG 157 44.8E

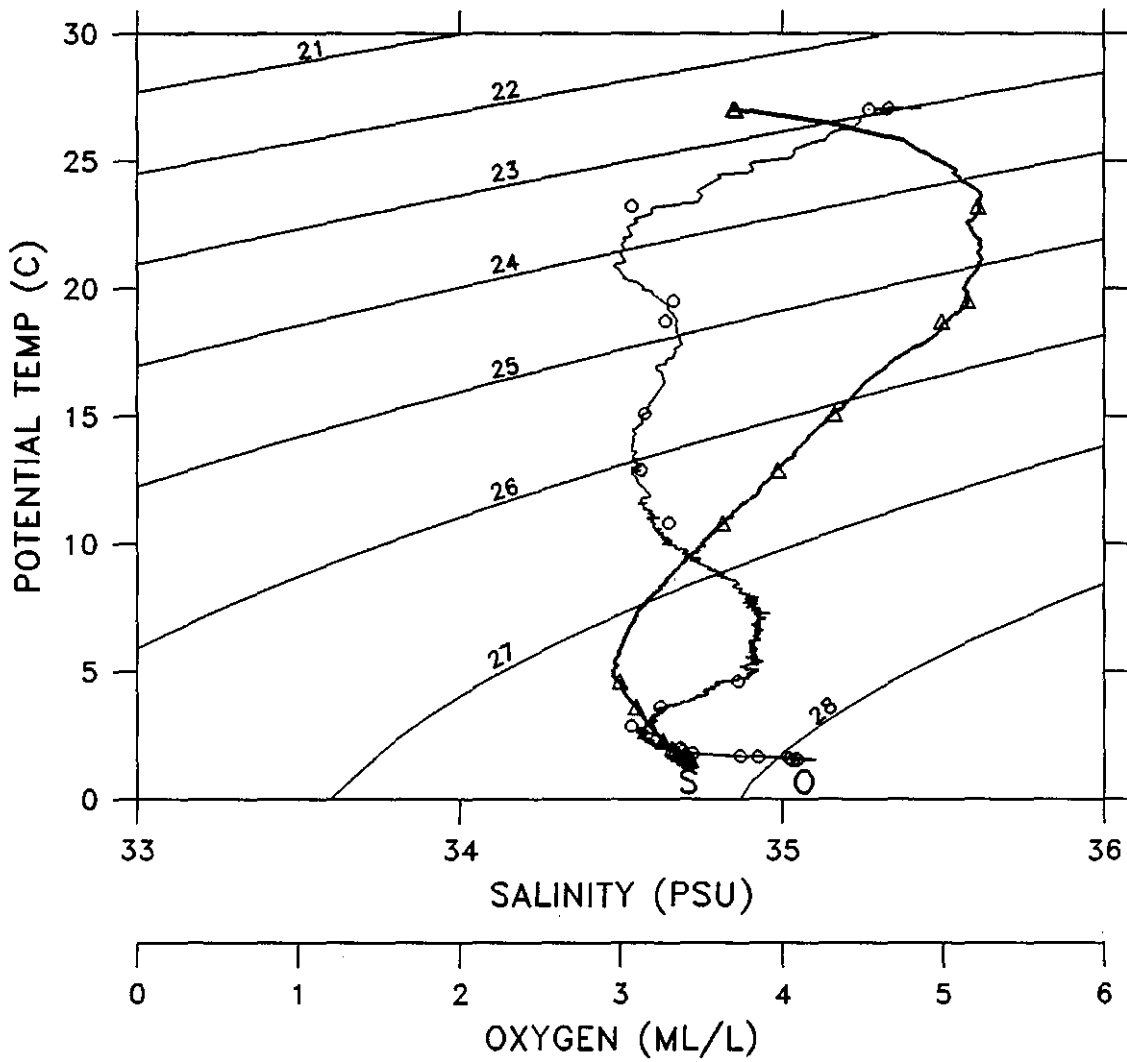


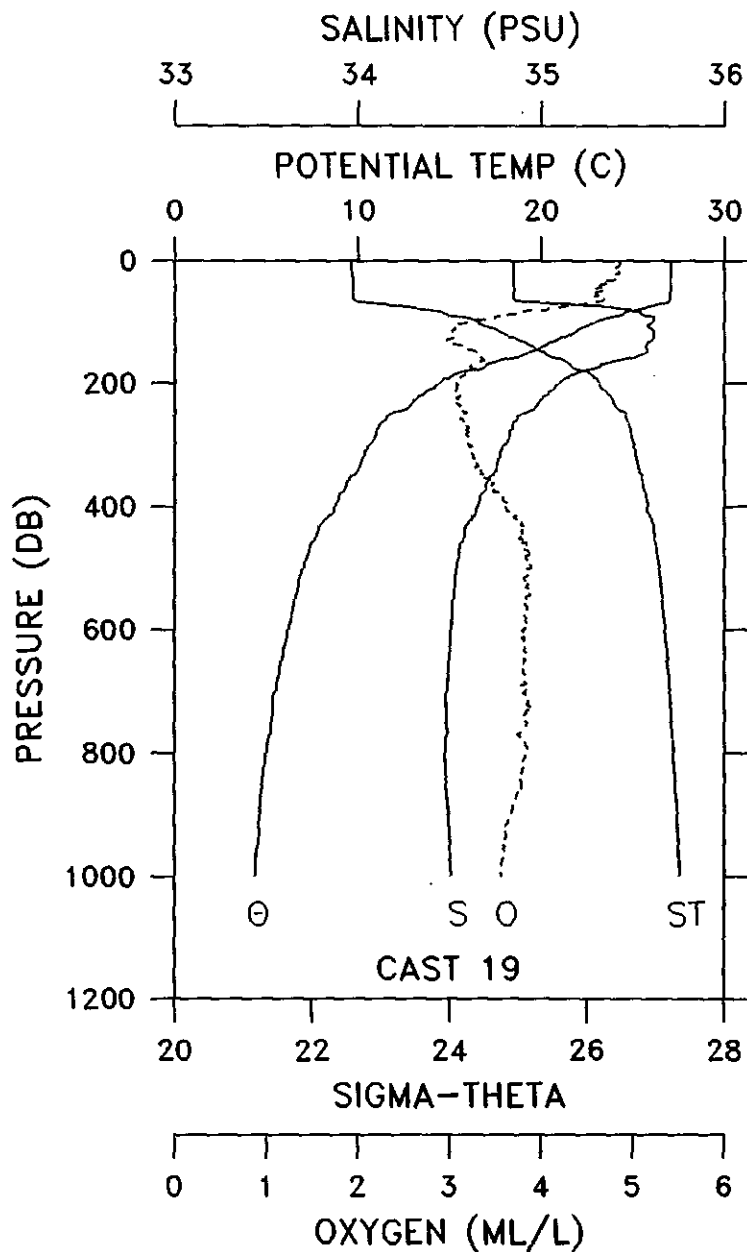


CAST TW3-87-OC-018 DATE 18 JUL 87 TIME 0215 GMT
 LAT 09 28.2S LONG 157 44.8E WEATHER 1 SEA STATE 4
 BAROMETER 14 WIND DIR 155 T SPD 16 KT VISIBILITY 8
 CLOUD 1 AMOUNT 4 DRY 26.8 WET 22.2 DEPTH 3657 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.915	34.845	4.86	22.630	0.000
10	26.910	34.844	4.87	22.631	0.052
20	26.900	34.844	4.80	22.634	0.104
30	26.898	34.844	4.74	22.635	0.156
40	26.896	34.845	4.74	22.636	0.209
50	26.880	34.856	4.66	22.650	0.261
60	25.526	35.510	4.57	23.567	0.310
70	24.590	35.650	3.84	23.958	0.351
80	23.952	35.691	3.79	24.181	0.390
90	23.367	35.675	3.40	24.341	0.427
100	22.842	35.693	3.18	24.507	0.463
110	21.936	35.644	3.06	24.727	0.496
120	21.166	35.573	2.97	24.886	0.528
130	20.592	35.604	3.08	25.066	0.558
140	19.278	35.524	3.26	25.351	0.586
150	18.944	35.477	3.22	25.401	0.613
160	18.143	35.441	3.16	25.576	0.638
170	17.270	35.352	3.16	25.721	0.662
180	16.617	35.293	3.20	25.831	0.685
190	15.700	35.202	3.09	25.972	0.707
200	15.176	35.157	3.12	26.055	0.727
250	12.338	34.940	3.19	26.478	0.819
300	10.209	34.762	3.41	26.730	0.894
350	9.089	34.676	3.60	26.851	0.960
400	7.799	34.570	3.94	26.966	1.020
450	7.495	34.557	3.94	27.000	1.077
500	6.833	34.528	3.86	27.070	1.131
550	6.512	34.510	3.88	27.099	1.184
600	6.198	34.498	3.92	27.131	1.235
650	5.873	34.491	3.87	27.167	1.285
700	5.576	34.485	3.81	27.199	1.333
750	5.350	34.484	3.77	27.225	1.380
800	5.080	34.486	3.75	27.259	1.426
900	4.662	34.494	3.67	27.312	1.514
1000	4.367	34.505	3.54	27.354	1.597
1500	2.906	34.590	3.13	27.567	1.956
2000	2.119	34.646	3.24	27.679	2.238
2500	1.805	34.676	3.44	27.728	2.487
3000	1.669	34.698	3.82	27.755	2.723
3500	1.559	34.712	4.15	27.775	2.959
3847	1.527	34.711	4.14	27.777	3.124

CAST TW3-87-OC-019 DATE 18 JUL 87 TIME 0644 GMT
LAT 09 20.7S LONG 157 56.7E

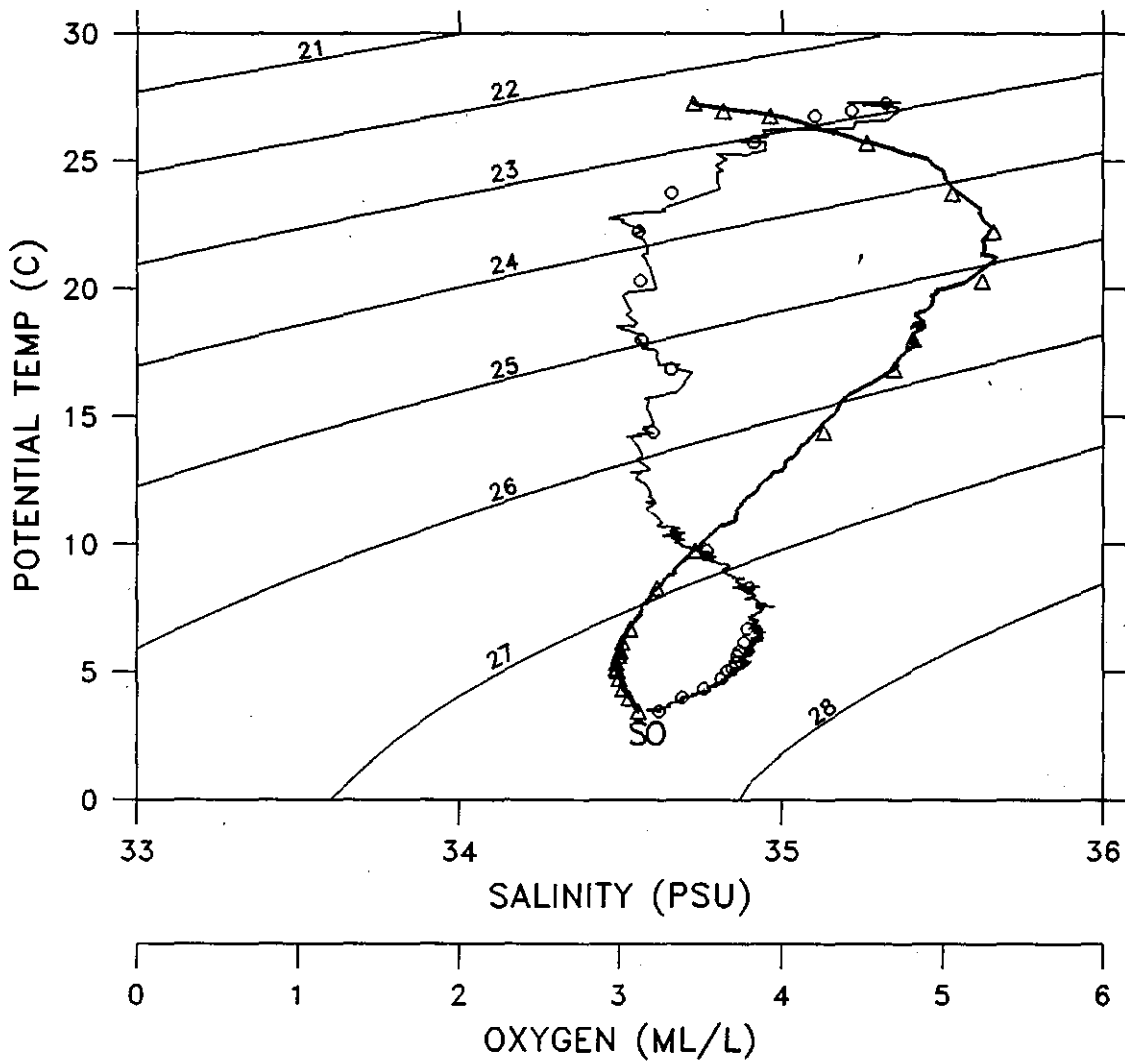




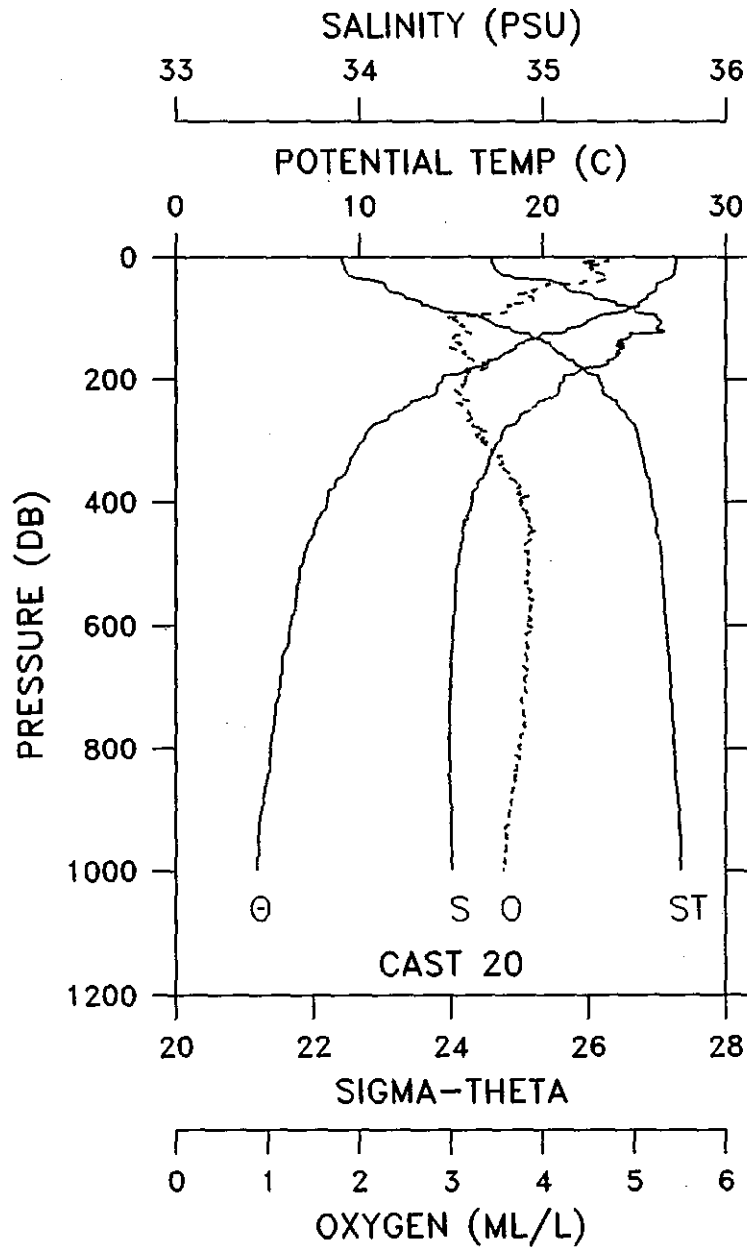
CAST TW3-87-OC-019 DATE 18 JUL 87 TIME 0644 GMT
 LAT 09 20.7S LONG 157 56.7E WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 160 T SPD 16 KT VISIBILITY 9
 CLOUD 2 AMOUNT 3 DRY 28.8 WET 22.8 DEPTH 3595 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.093	34.849	4.86	22.576	0.000
10	27.093	34.849	4.83	22.577	0.053
20	27.083	34.848	4.86	22.579	0.105
30	27.048	34.847	4.82	22.590	0.158
40	27.040	34.848	4.62	22.593	0.211
50	27.037	34.849	4.63	22.595	0.263
60	27.028	34.851	4.65	22.599	0.316
70	26.490	35.140	4.47	22.987	0.368
80	25.044	35.482	3.97	23.694	0.413
90	24.063	35.581	3.54	24.064	0.453
100	22.924	35.607	3.19	24.418	0.490
110	22.108	35.598	3.07	24.644	0.525
120	21.570	35.620	3.02	24.811	0.557
130	20.785	35.605	2.98	25.015	0.588
140	19.977	35.567	3.13	25.202	0.617
150	19.307	35.573	3.30	25.381	0.645
160	18.086	35.463	3.36	25.606	0.670
170	17.021	35.326	3.26	25.760	0.694
180	15.848	35.222	3.23	25.954	0.716
190	14.993	35.146	3.11	26.087	0.736
200	14.439	35.100	3.07	26.172	0.756
250	11.701	34.893	3.13	26.563	0.842
300	10.601	34.795	3.22	26.688	0.916
350	9.653	34.721	3.41	26.793	0.985
400	8.762	34.652	3.62	26.883	1.048
450	7.710	34.579	3.77	26.986	1.108
500	7.024	34.540	3.89	27.053	1.163
550	6.561	34.524	3.85	27.104	1.216
600	6.186	34.508	3.80	27.141	1.267
650	5.844	34.497	3.84	27.175	1.317
700	5.504	34.484	3.83	27.207	1.365
750	5.293	34.482	3.83	27.230	1.411
800	5.003	34.477	3.85	27.261	1.457
900	4.624	34.495	3.65	27.318	1.544
1000	4.378	34.506	3.55	27.353	1.627
1500	2.824	34.595	3.15	27.578	1.977
2000	2.115	34.648	3.24	27.680	2.255
2500	1.802	34.676	3.44	27.728	2.500
3000	1.674	34.698	3.78	27.755	2.738
3500	1.582	34.712	4.15	27.773	2.974
3684	1.537	34.711	4.13	27.776	3.061

CAST TW3-87-OC-020 DATE 18 JUL 87 TIME 1045 GMT
LAT 09 09.6S LONG 158 10.7E

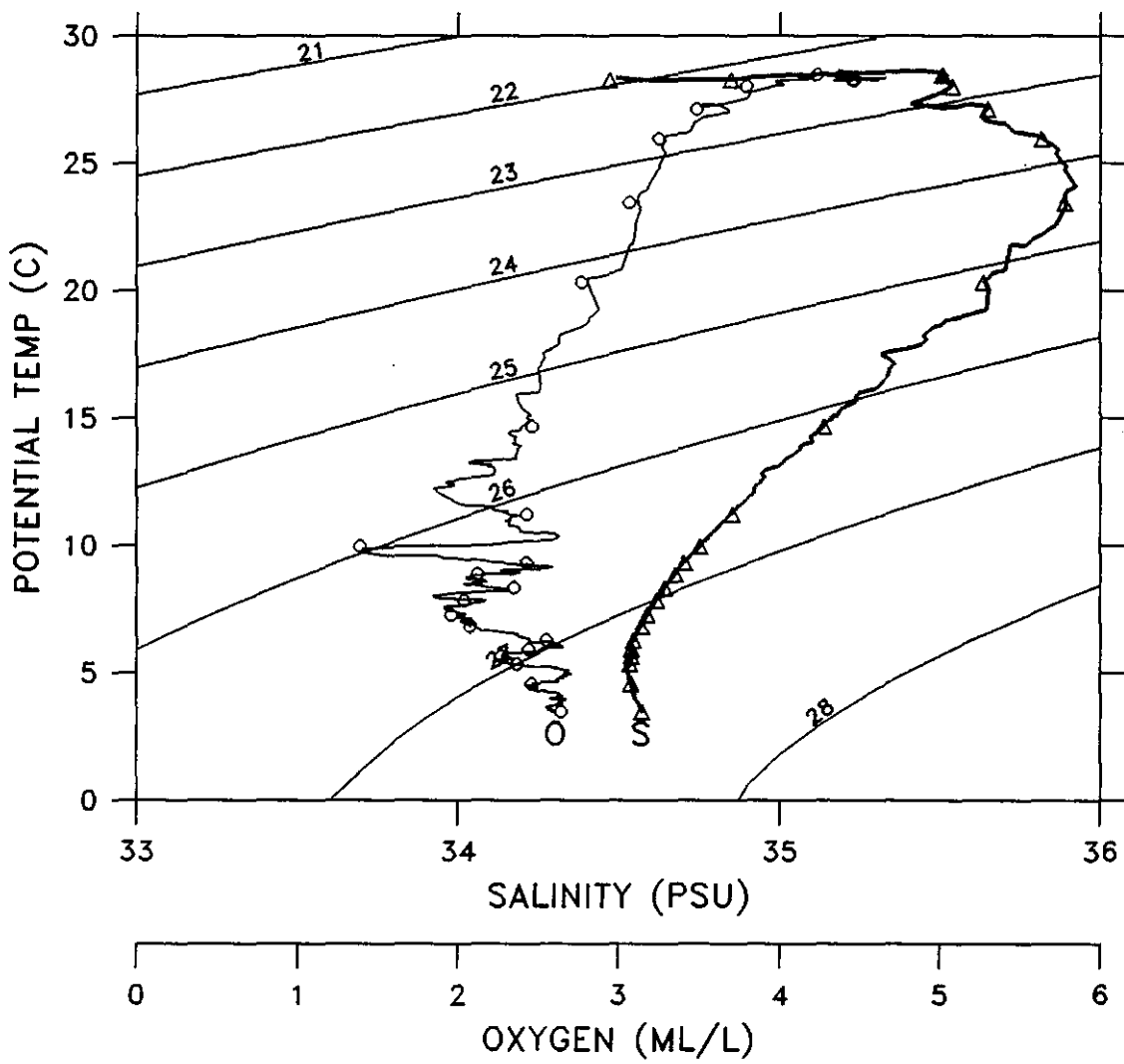


CAST TW3-87-OC-020 DATE 18 JUL 87 TIME 1045 GMT
 LAT 09 09.6S LONG 158 10.7E WEATHER 1 SEA STATE 3
 BAROMETER 15 WIND DIR 140 T SPD 10 KT VISIBILITY 8
 CLOUD 1 AMOUNT 2 DRY 25.6 WET 23.0 DEPTH 1250 M

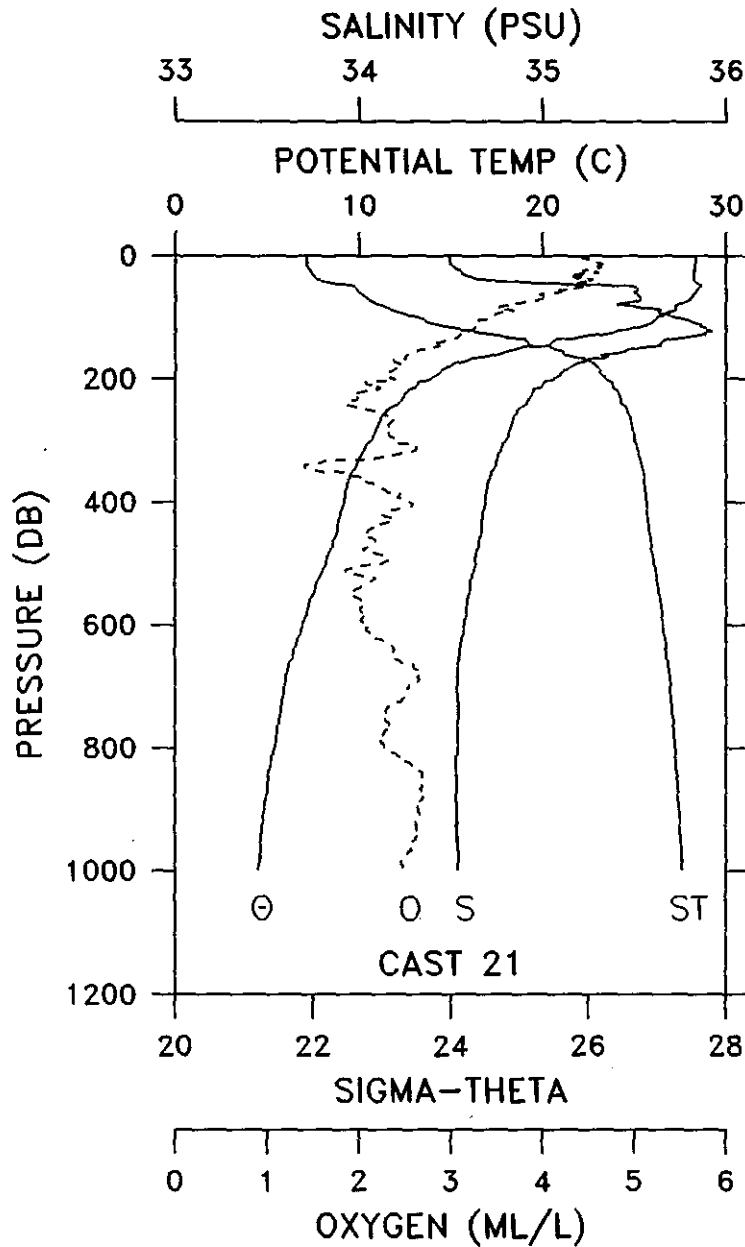


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.288	34.723	4.72	22.419	0.000
10	27.276	34.726	4.54	22.425	0.054
20	27.219	34.737	4.55	22.452	0.108
30	27.090	34.810	4.72	22.548	0.162
40	26.517	35.064	4.45	22.922	0.213
50	26.230	35.128	3.97	23.060	0.262
60	25.807	35.240	3.73	23.276	0.309
70	25.425	35.356	3.90	23.482	0.355
80	25.101	35.450	3.64	23.653	0.398
90	24.253	35.510	3.60	23.954	0.439
100	22.722	35.624	2.98	24.488	0.476
110	22.276	35.642	3.15	24.629	0.510
120	21.321	35.653	3.14	24.905	0.542
130	19.843	35.482	3.05	25.172	0.571
140	18.839	35.426	3.07	25.389	0.599
150	18.415	35.433	3.01	25.502	0.624
160	17.828	35.411	3.18	25.630	0.649
170	17.012	35.352	3.23	25.783	0.673
180	16.274	35.268	3.40	25.891	0.695
190	15.553	35.181	3.18	25.990	0.716
200	14.563	35.114	3.15	26.156	0.736
250	12.333	34.933	3.17	26.473	0.825
300	10.216	34.767	3.32	26.733	0.898
350	9.300	34.693	3.60	26.830	0.964
400	8.265	34.615	3.78	26.932	1.025
450	7.561	34.565	3.86	26.997	1.082
500	6.902	34.540	3.83	27.070	1.137
550	6.583	34.524	3.86	27.101	1.189
600	6.262	34.513	3.83	27.134	1.241
650	5.833	34.504	3.83	27.182	1.290
700	5.666	34.499	3.80	27.199	1.338
750	5.385	34.492	3.78	27.227	1.386
800	5.158	34.491	3.75	27.253	1.432
900	4.677	34.504	3.65	27.319	1.520
1000	4.421	34.509	3.56	27.351	1.604
1237	3.468	34.557	3.23	27.487	1.781

CAST TW3-87-OC-021 DATE 20 JUL 87 TIME 1024 GMT
LAT 04 59.1S LONG 165 00.7E

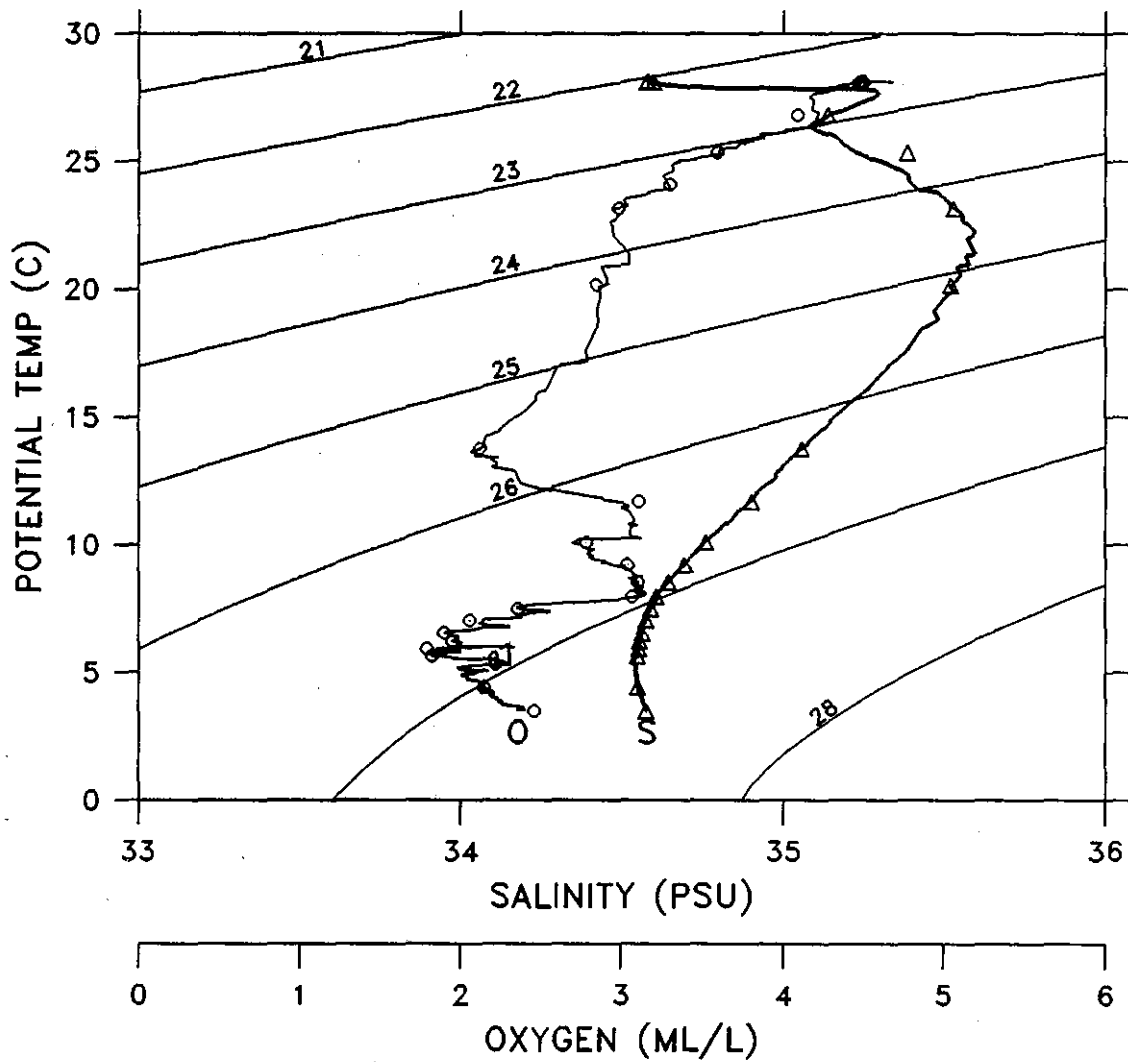


CAST TW3-87-OC-021 DATE 20 JUL 87 TIME 1024 GMT
 LAT 04 59.1S LONG 165 00.7E WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 170 T SPD 08 KT VISIBILITY 8
 CLOUD X AMOUNT 3 DRY 26.6 WET 23.4 DEPTH 2400 M

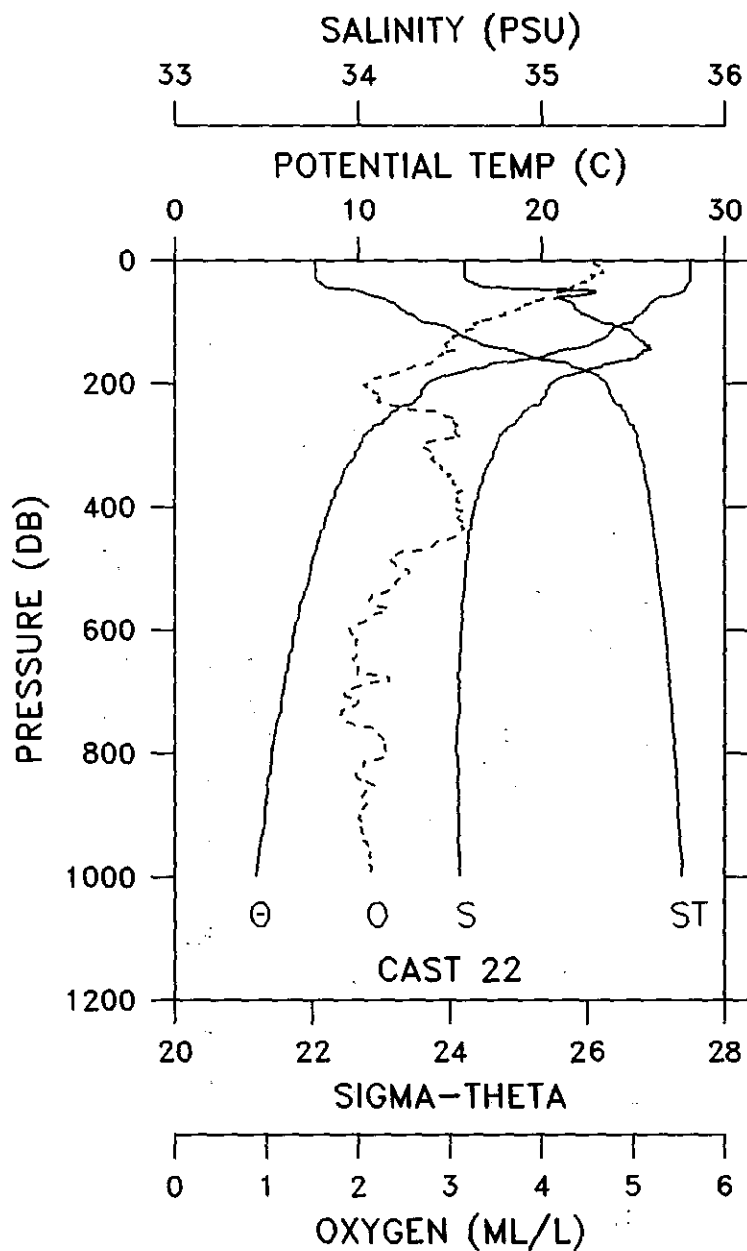


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.343	34.493	4.43	21.903	0.000
10	28.342	34.490	4.57	21.902	0.059
20	28.321	34.523	4.61	21.933	0.118
30	28.265	34.576	4.44	21.992	0.177
40	28.277	34.717	4.49	22.094	0.235
50	28.568	35.493	4.45	22.581	0.290
60	28.314	35.494	4.20	22.665	0.342
70	28.019	35.528	3.94	22.788	0.394
80	27.304	35.433	3.63	22.948	0.444
90	27.005	35.633	3.68	23.195	0.492
100	26.227	35.744	3.43	23.525	0.538
110	25.809	35.838	3.27	23.727	0.581
120	24.425	35.906	3.21	24.202	0.621
130	22.450	35.841	3.11	24.731	0.657
140	20.571	35.656	2.91	25.111	0.687
150	18.861	35.515	2.82	25.452	0.715
160	17.538	35.313	2.53	25.626	0.739
170	15.915	35.238	2.36	25.951	0.761
180	14.934	35.148	2.45	26.101	0.781
190	14.432	35.110	2.31	26.181	0.800
200	13.892	35.060	2.40	26.257	0.819
250	11.561	34.868	2.11	26.570	0.901
300	10.658	34.801	2.39	26.682	0.975
350	9.607	34.721	1.57	26.801	1.043
400	9.167	34.686	2.53	26.845	1.108
450	8.796	34.668	2.08	26.891	1.171
500	8.198	34.636	2.21	26.958	1.231
550	7.516	34.600	1.91	27.031	1.289
600	6.940	34.573	2.04	27.091	1.343
650	6.409	34.549	2.38	27.143	1.395
700	5.960	34.538	2.55	27.193	1.444
750	5.670	34.539	2.28	27.230	1.491
800	5.398	34.536	2.31	27.261	1.537
900	4.842	34.531	2.65	27.322	1.625
1000	4.527	34.542	2.48	27.366	1.708
1298	3.466	34.572	2.61	27.500	1.928

CAST TW3-87-OC-022 DATE 20 JUL 87 TIME 1656 GMT
LAT 04 00.0S LONG 164 59.2E



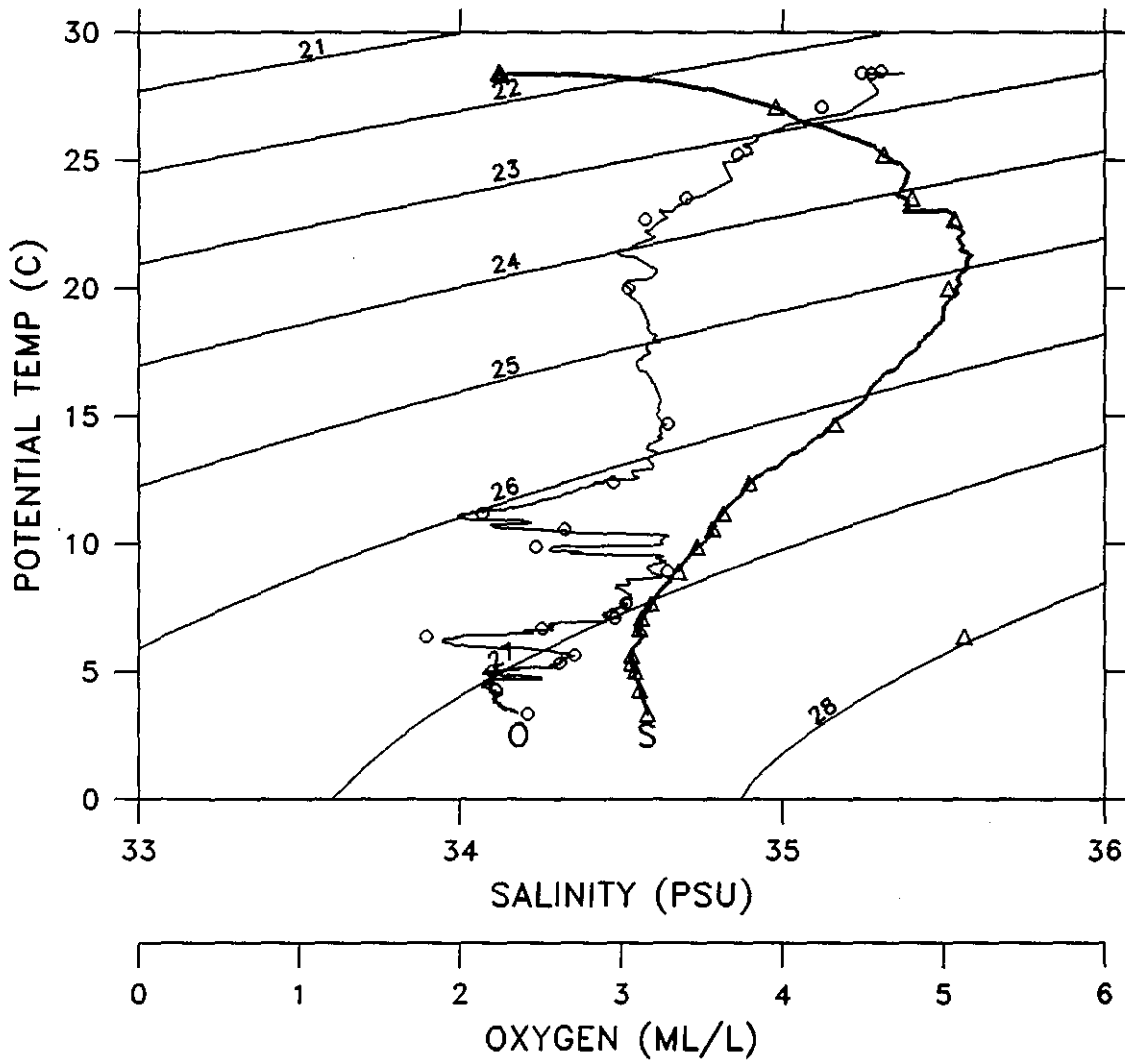
CAST TW3-87-OC-022 DATE 20 JUL 87 TIME 1656 GMT
 LAT 04 00.0S LONG 164 59.2E WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 225 T SPD 08 KT VISIBILITY 9
 CLOUD X AMOUNT 2 DRY 26.5 WET 23.7 DEPTH 3150 M



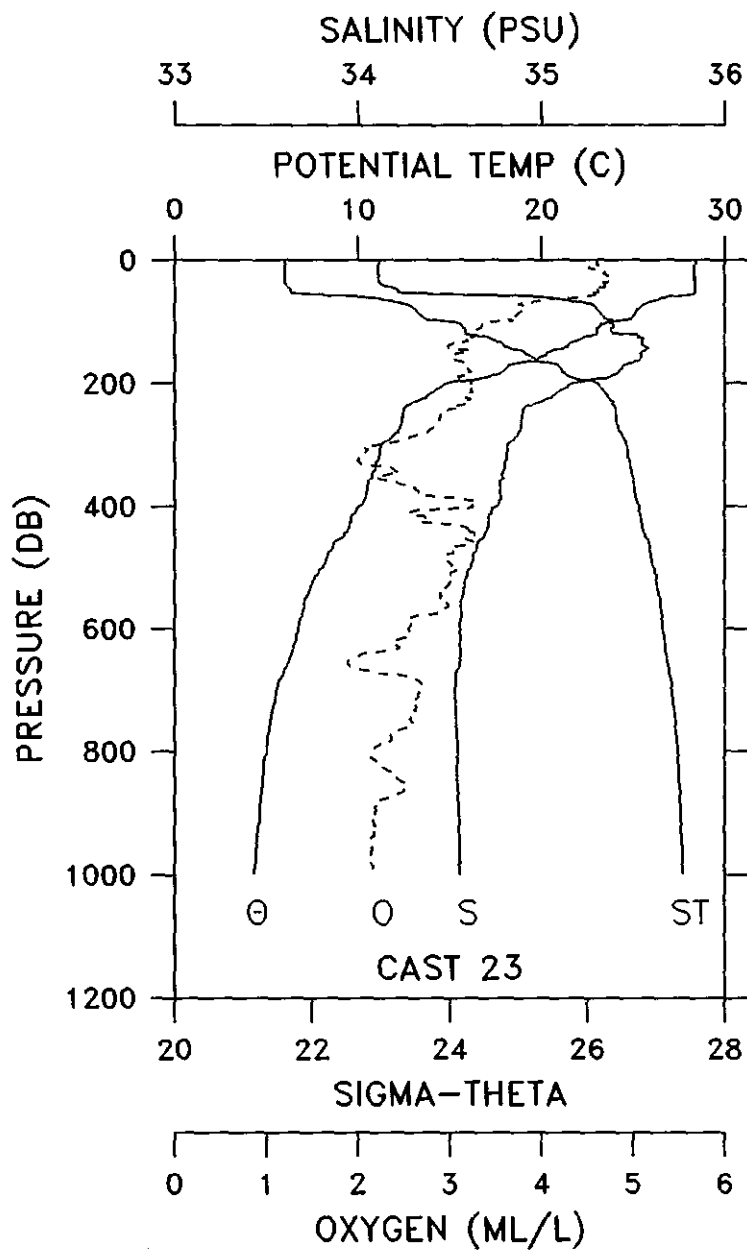
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.131	34.578	4.57	22.036	0.000
10	28.128	34.578	4.64	22.037	0.058
20	28.120	34.577	4.68	22.040	0.116
30	28.123	34.583	4.47	22.043	0.173
40	27.990	34.644	4.37	22.133	0.231
50	27.727	35.291	4.26	22.705	0.286
60	26.438	35.084	4.19	22.962	0.336
70	25.901	35.173	3.88	23.196	0.384
80	25.676	35.185	3.72	23.275	0.431
90	25.215	35.252	3.55	23.468	0.477
100	24.910	35.325	3.31	23.616	0.520
110	23.899	35.434	3.29	24.002	0.561
120	23.632	35.498	3.10	24.129	0.600
130	23.141	35.534	2.96	24.299	0.638
140	22.287	35.597	2.95	24.592	0.673
150	20.817	35.544	2.89	24.960	0.705
160	19.448	35.487	2.86	25.279	0.734
170	17.108	35.332	2.72	25.744	0.759
180	15.823	35.234	2.47	25.969	0.781
190	14.487	35.111	2.25	26.170	0.801
200	13.763	35.051	2.12	26.277	0.819
250	11.738	34.894	2.90	26.557	0.903
300	10.096	34.756	2.72	26.745	0.975
350	9.156	34.684	3.00	26.846	1.040
400	8.447	34.635	3.09	26.919	1.102
450	7.882	34.606	3.01	26.982	1.161
500	7.441	34.585	2.49	27.030	1.217
550	6.960	34.574	2.14	27.089	1.271
600	6.544	34.563	1.93	27.137	1.323
650	6.227	34.554	1.96	27.171	1.373
700	5.929	34.553	1.87	27.208	1.421
750	5.614	34.544	1.89	27.240	1.468
800	5.310	34.538	2.30	27.272	1.513
900	4.925	34.547	2.02	27.325	1.600
1000	4.457	34.553	2.13	27.382	1.682
1296	3.521	34.577	2.36	27.498	1.902

CAST TW3-87-OC-023 DATE 20 JUL 87 TIME 2248 GMT

LAT 03 00.6S LONG 164 59.8E

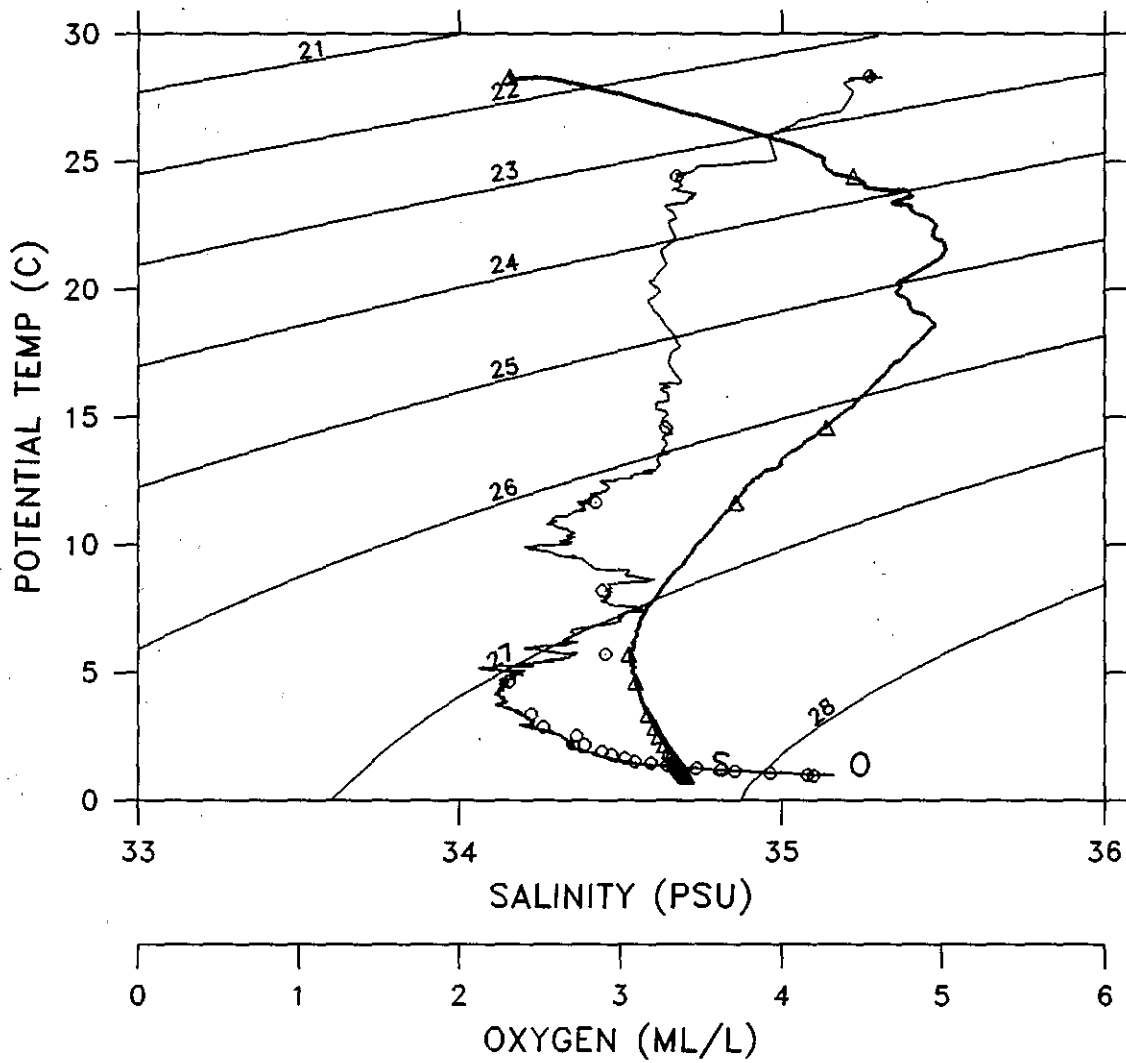


CAST TW3-87-OC-023 DATE 20 JUL 87 TIME 2248 GMT
 LAT 03 00.6S LONG 164 59.8E WEATHER 0 SEA STATE 2
 BAROMETER 11 WIND DIR 205 T SPD 08 KT VISIBILITY 9
 CLOUD 0 AMOUNT 1 DRY 28.4 WET 24.2 DEPTH 4116 M

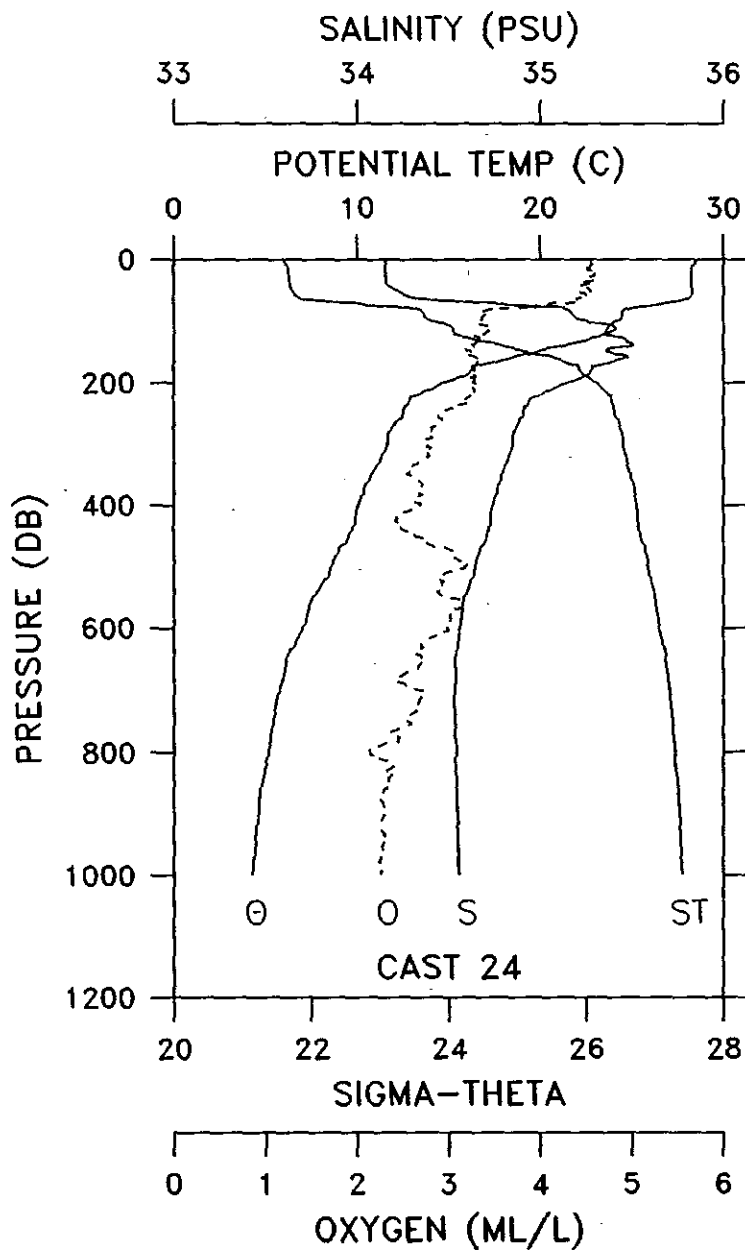


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.396	34.113	4.60	21.601	0.000
10	28.378	34.112	4.63	21.605	0.062
20	28.375	34.112	4.68	21.606	0.124
30	28.375	34.113	4.72	21.607	0.186
40	28.375	34.124	4.67	21.616	0.248
50	28.387	34.213	4.61	21.679	0.310
60	26.944	35.006	4.42	22.743	0.368
70	25.748	35.236	3.84	23.292	0.416
80	25.283	35.301	3.82	23.484	0.461
90	25.063	35.331	3.73	23.574	0.505
100	23.630	35.353	3.50	24.020	0.547
110	23.102	35.383	3.33	24.196	0.585
120	23.027	35.450	3.24	24.269	0.623
130	22.003	35.549	3.20	24.636	0.658
140	21.458	35.561	2.97	24.796	0.690
150	20.373	35.543	3.17	25.079	0.721
160	19.780	35.539	3.05	25.232	0.749
170	18.363	35.465	3.17	25.539	0.776
180	17.890	35.424	3.23	25.625	0.801
190	17.019	35.363	3.10	25.789	0.824
200	14.847	35.163	3.25	26.132	0.845
250	12.469	34.900	2.91	26.421	0.934
300	11.340	34.819	2.24	26.573	1.015
350	10.777	34.785	2.28	26.649	1.089
400	9.984	34.743	3.26	26.754	1.161
450	9.177	34.685	3.19	26.844	1.228
500	7.963	34.608	3.06	26.972	1.289
550	7.145	34.569	2.90	27.059	1.345
600	6.763	34.557	2.56	27.102	1.398
650	6.283	34.559	1.90	27.168	1.449
700	5.585	34.531	2.67	27.234	1.497
750	5.221	34.533	2.56	27.279	1.542
800	5.015	34.544	2.17	27.312	1.585
900	4.642	34.551	2.19	27.360	1.668
1000	4.308	34.557	2.19	27.401	1.747
1296	3.364	34.584	2.36	27.519	1.961

CAST TW3-87-OC-024 DATE 21 JUL 87 TIME 1457 GMT
LAT 02 00.2S LONG 165 12.1E

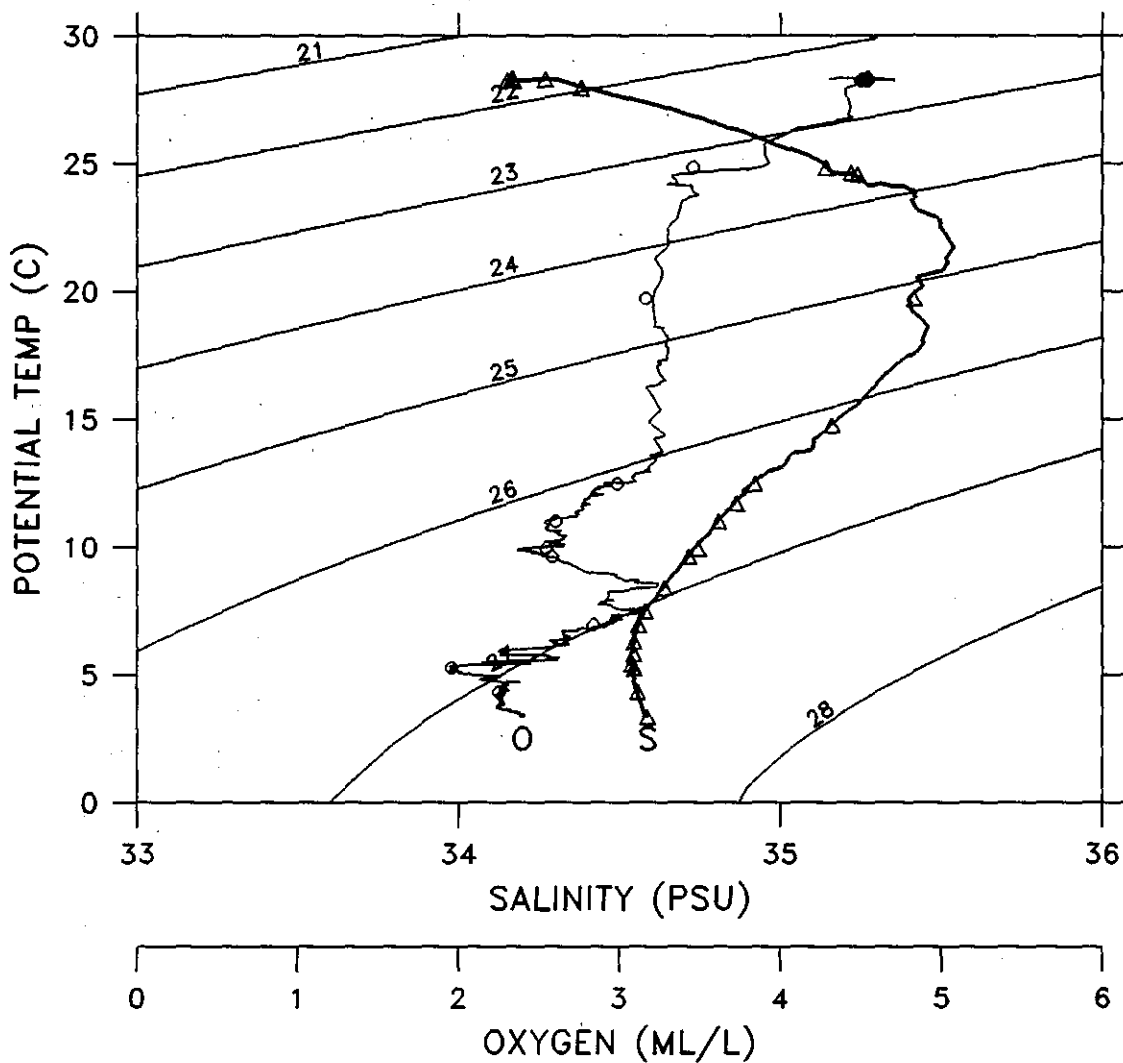


CAST TW3-87-OC-024 DATE 21 JUL 87 TIME 1457 GMT
 LAT 02 00.2S LONG 165 12.1E WEATHER 0 SEA STATE 2
 BAROMETER 10 WIND DIR 000 T SPD 07 KT VISIBILITY 7
 CLOUD X AMOUNT 1 DRY 26.7 WET 24.1 DEPTH 4469 M

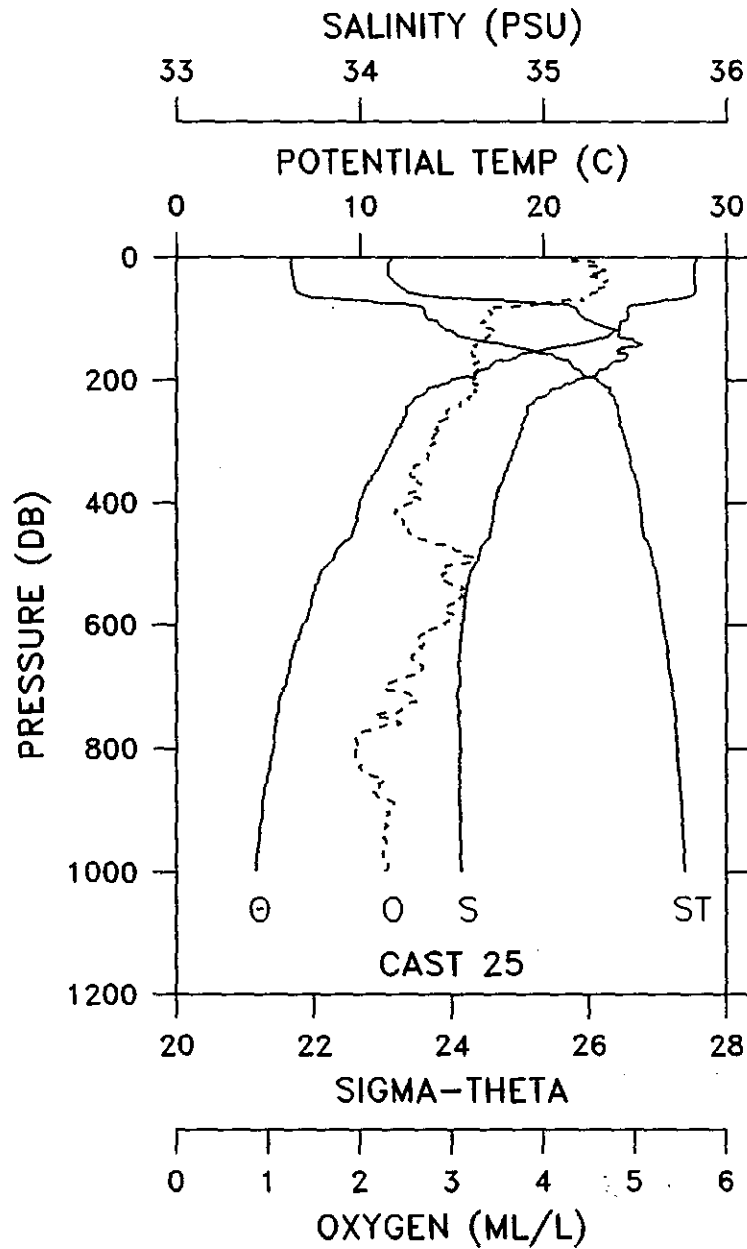


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.458	34.153	4.55	21.610	0.000
10	28.329	34.158	4.54	21.656	0.062
20	28.280	34.157	4.62	21.671	0.123
30	28.262	34.159	4.57	21.678	0.185
40	28.240	34.159	4.53	21.686	0.246
50	28.289	34.215	4.53	21.712	0.307
60	28.241	34.286	4.46	21.782	0.368
70	26.767	34.739	4.23	22.598	0.426
80	24.755	35.137	3.48	23.521	0.474
90	24.469	35.182	3.39	23.641	0.517
100	24.039	35.257	3.38	23.826	0.560
110	23.679	35.403	3.46	24.043	0.600
120	23.402	35.345	3.41	24.080	0.639
130	22.691	35.467	3.32	24.378	0.676
140	21.147	35.480	3.28	24.821	0.710
150	19.776	35.370	3.22	25.104	0.740
160	18.361	35.457	3.31	25.534	0.767
170	17.074	35.344	3.30	25.761	0.790
180	16.226	35.282	3.28	25.913	0.812
190	15.626	35.234	3.29	26.013	0.833
200	14.612	35.141	3.28	26.166	0.853
250	12.495	34.908	2.94	26.422	0.940
300	11.654	34.851	2.77	26.539	1.020
350	10.779	34.790	2.55	26.652	1.096
400	10.072	34.742	2.69	26.739	1.167
450	9.555	34.707	2.63	26.799	1.235
500	8.594	34.646	3.18	26.905	1.300
550	7.606	34.583	2.99	27.005	1.359
600	7.046	34.561	2.99	27.067	1.415
650	6.175	34.536	2.71	27.164	1.466
700	5.754	34.528	2.67	27.211	1.515
750	5.415	34.530	2.54	27.254	1.561
800	5.160	34.541	2.13	27.293	1.605
900	4.615	34.548	2.28	27.361	1.689
1000	4.265	34.556	2.25	27.405	1.768
1500	2.870	34.606	2.46	27.582	2.107
2000	2.038	34.646	2.72	27.685	2.383
2500	1.661	34.664	2.94	27.729	2.626
3000	1.416	34.676	3.13	27.756	2.855
3500	1.254	34.686	3.44	27.776	3.077
4000	1.106	34.697	3.85	27.795	3.296
4419	0.974	34.706	4.29	27.811	3.474

CAST TW3-87-0C-025 DATE 21 JUL 87 TIME 1858 GMT
LAT 02 02.3S LONG 165 10.2E

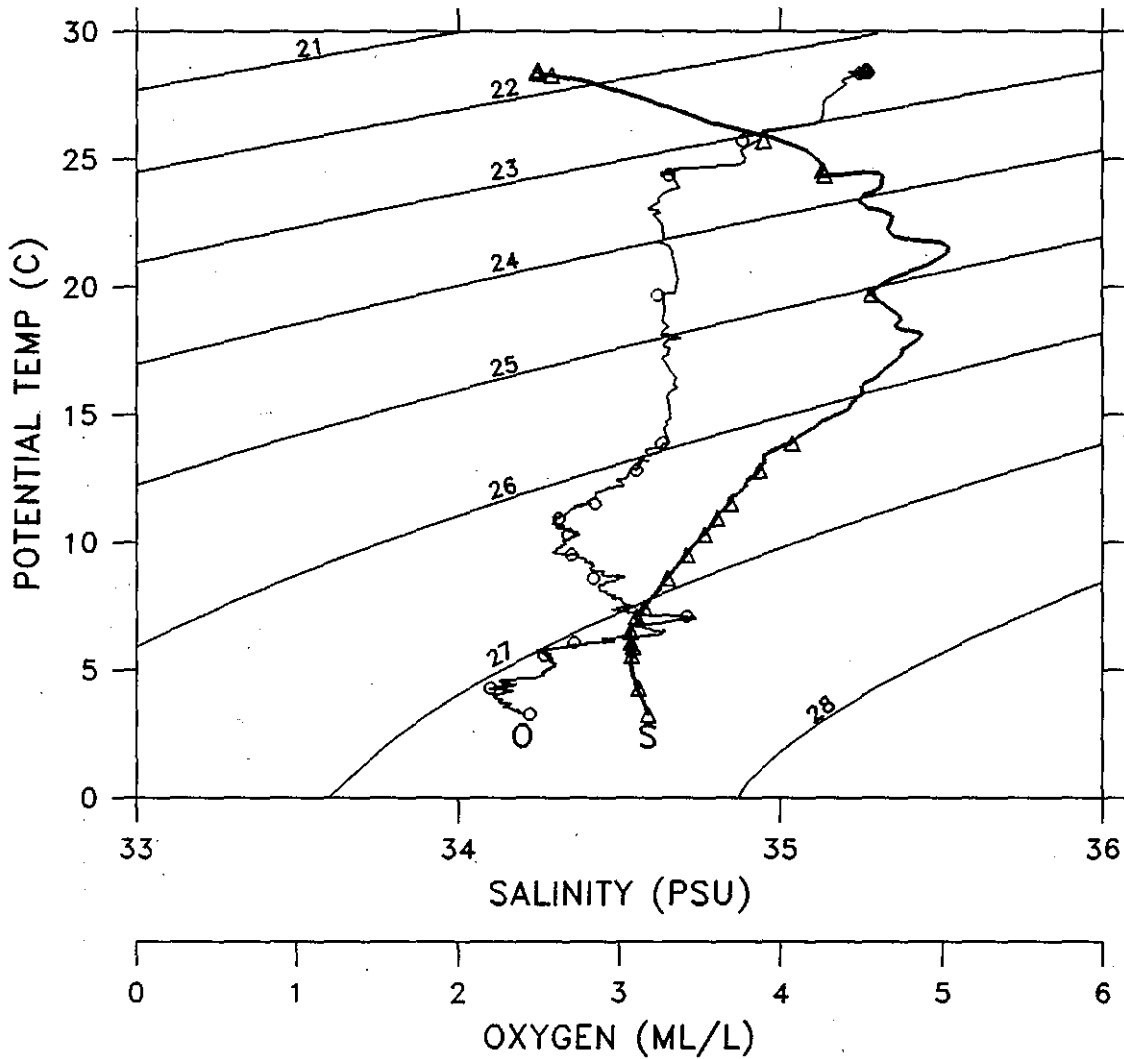


CAST TW3-87-0C-025 DATE 21 JUL 87 TIME 1858 GMT
 LAT 02 02.3S LONG 165 10.2E WEATHER 1 SEA STATE 1
 BAROMETER 11 WIND DIR 320 T SPD 10 KT VISIBILITY 9
 CLOUD 6 AMOUNT 4 DRY 26.9 WET 24.3 DEPTH 4472 M

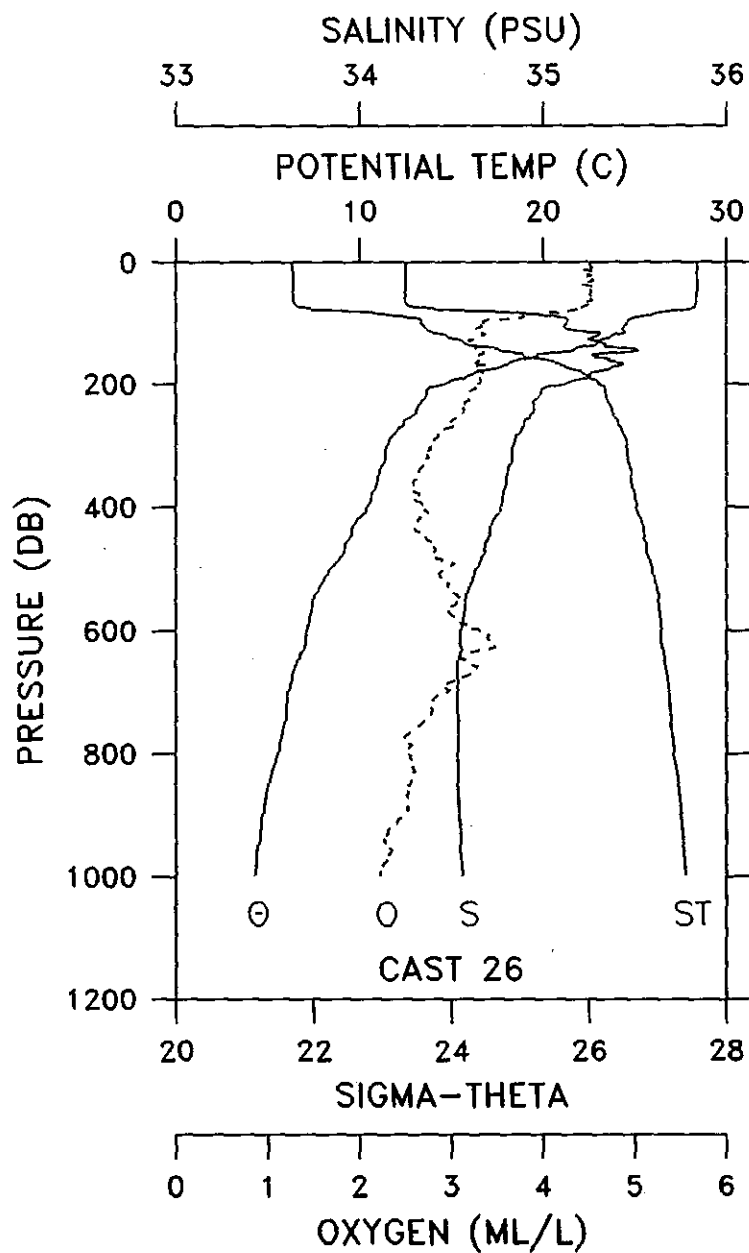


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.324	34.168	4.31	21.666	0.000
10	28.291	34.157	4.49	21.668	0.061
20	28.253	34.153	4.64	21.677	0.123
30	28.237	34.157	4.54	21.685	0.184
40	28.256	34.185	4.64	21.701	0.245
50	28.286	34.222	4.62	21.719	0.306
60	28.273	34.310	4.52	21.789	0.367
70	26.801	34.752	4.45	22.596	0.425
80	24.748	35.153	3.72	23.535	0.472
90	24.605	35.192	3.42	23.608	0.516
100	24.583	35.222	3.38	23.637	0.559
110	24.187	35.297	3.30	23.812	0.601
120	23.859	35.417	3.46	24.001	0.641
130	23.316	35.417	3.38	24.160	0.680
140	21.915	35.528	3.30	24.645	0.716
150	20.087	35.427	3.22	25.066	0.747
160	18.588	35.457	3.23	25.476	0.775
170	17.401	35.385	3.30	25.714	0.800
180	17.067	35.352	3.24	25.769	0.823
190	16.307	35.292	3.22	25.903	0.844
200	14.972	35.176	3.21	26.115	0.865
250	12.526	34.913	2.94	26.420	0.953
300	11.745	34.857	2.76	26.527	1.035
350	10.821	34.792	2.56	26.646	1.111
400	9.995	34.735	2.54	26.747	1.181
450	9.604	34.711	2.55	26.794	1.250
500	8.306	34.630	3.05	26.937	1.313
550	7.480	34.578	3.10	27.019	1.371
600	6.901	34.559	2.92	27.085	1.426
650	6.332	34.542	2.57	27.149	1.477
700	5.862	34.540	2.27	27.206	1.526
750	5.431	34.532	2.24	27.254	1.573
800	5.269	34.547	1.96	27.284	1.617
900	4.687	34.546	2.31	27.351	1.702
1000	4.334	34.555	2.28	27.397	1.782
1297	3.354	34.586	2.40	27.521	1.993

CAST TW3-87-0C-026 DATE 22 JUL 87 TIME 0002 GMT
LAT 01 29.9S LONG 165 00.9E

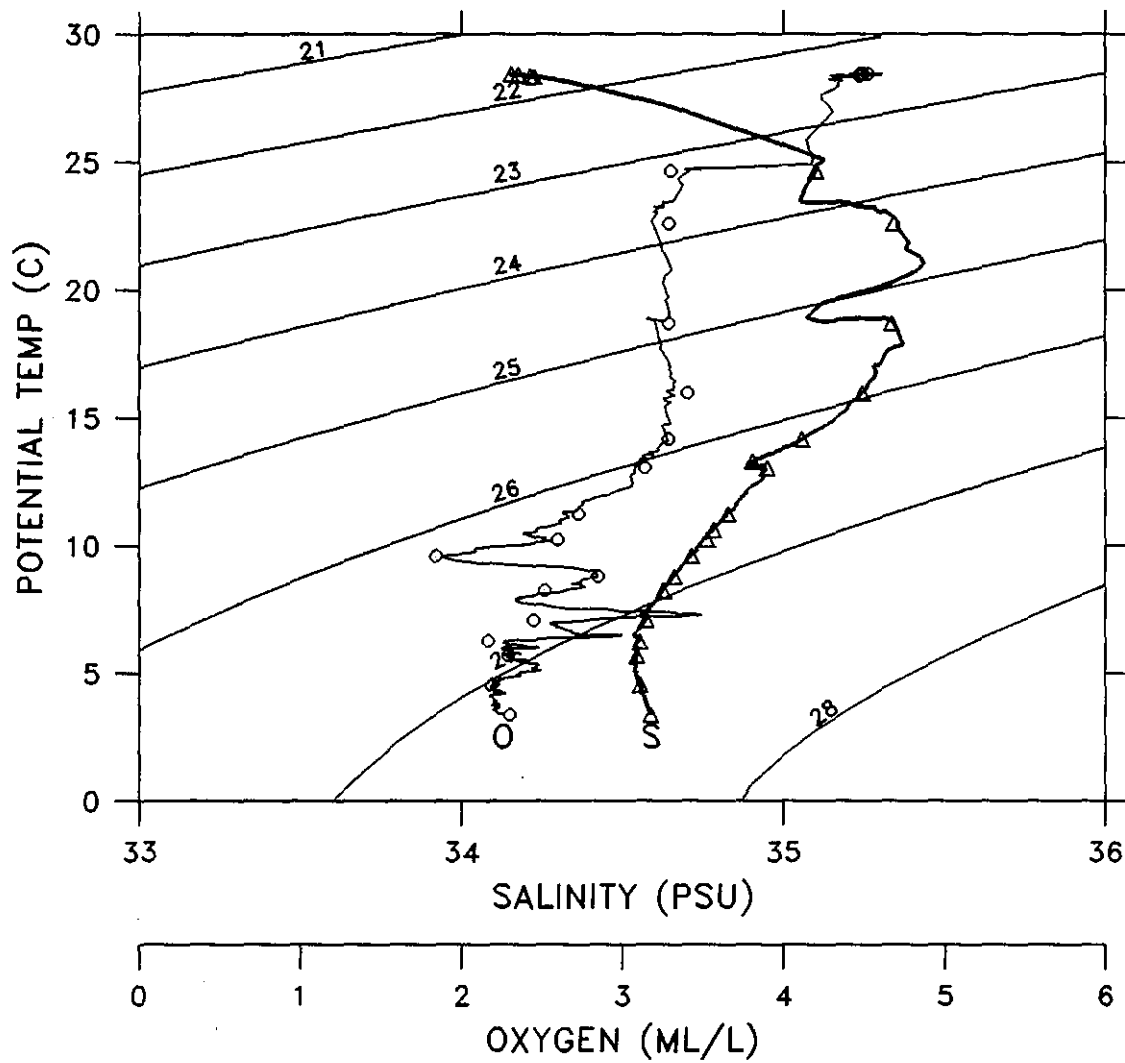


CAST TW3-87-OC-026 DATE 22 JUL 87 TIME 0002 GMT
 LAT 01 29.9S LONG 165 00.9E WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 000 T SPD 12 KT VISIBILITY 7
 CLOUD 7 AMOUNT 6 DRY 28.9 WET 25.2 DEPTH 4440 M

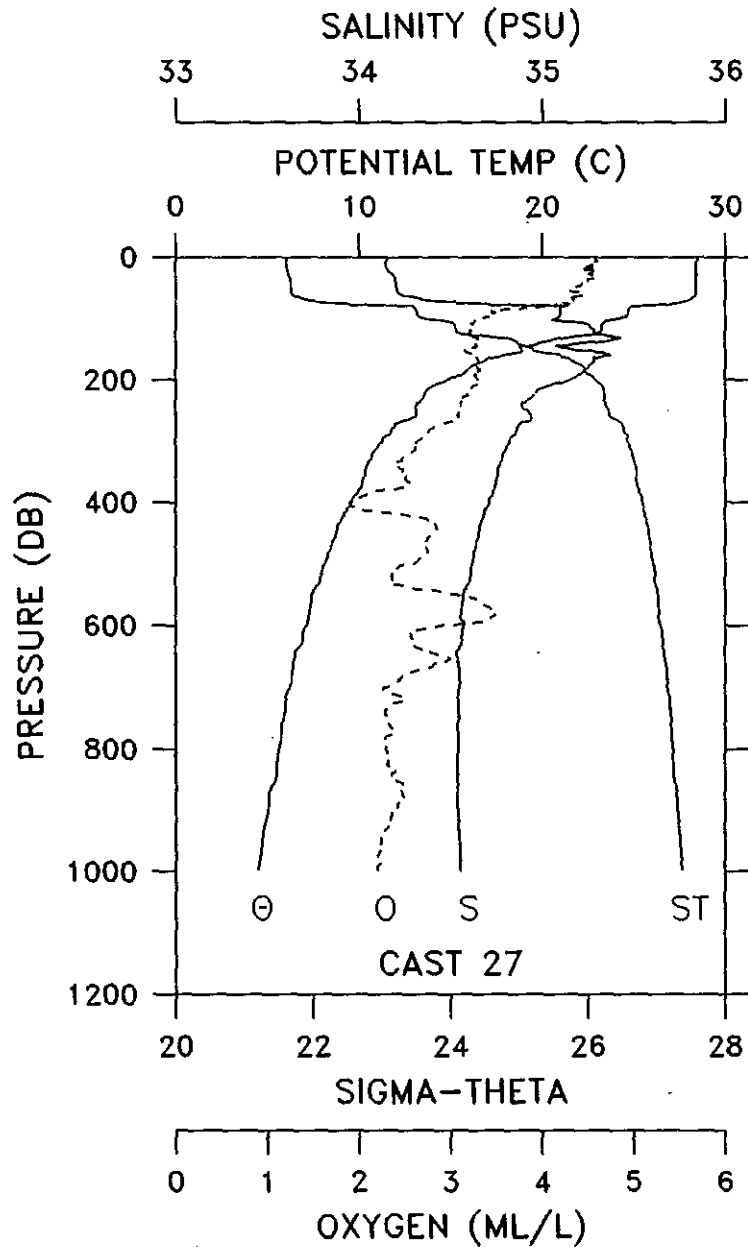


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.449	34.253	4.51	21.688	0.000
10	28.416	34.252	4.49	21.698	0.061
20	28.409	34.251	4.51	21.700	0.122
30	28.404	34.251	4.52	21.702	0.183
40	28.401	34.252	4.51	21.703	0.244
50	28.395	34.249	4.53	21.703	0.306
60	28.375	34.249	4.52	21.709	0.367
70	28.323	34.265	4.50	21.738	0.428
80	27.110	34.637	4.27	22.411	0.487
90	25.086	35.106	3.78	23.397	0.536
100	24.582	35.128	3.36	23.566	0.580
110	24.362	35.141	3.27	23.643	0.623
120	23.775	35.293	3.32	23.931	0.665
130	23.028	35.299	3.22	24.154	0.704
140	21.833	35.415	3.27	24.581	0.741
150	20.293	35.335	3.36	24.941	0.774
160	18.728	35.369	3.27	25.374	0.802
170	17.830	35.412	3.29	25.631	0.828
180	16.304	35.273	3.34	25.888	0.851
190	15.630	35.235	3.30	26.013	0.872
200	14.589	35.118	3.30	26.153	0.891
250	12.926	34.931	3.12	26.355	0.982
300	11.525	34.842	2.81	26.556	1.063
350	11.038	34.805	2.62	26.617	1.139
400	10.437	34.771	2.69	26.698	1.212
450	9.479	34.705	2.73	26.810	1.281
500	8.419	34.639	2.91	26.927	1.345
550	7.476	34.576	3.09	27.018	1.403
600	7.126	34.554	3.31	27.050	1.459
650	6.627	34.535	3.17	27.104	1.513
700	6.125	34.535	2.94	27.170	1.564
750	5.937	34.540	2.69	27.198	1.613
800	5.567	34.536	2.54	27.240	1.660
900	4.733	34.543	2.49	27.344	1.747
1000	4.287	34.559	2.20	27.406	1.827
1297	3.277	34.589	2.40	27.531	2.038

CAST TW3-87-OC-027 DATE 22 JUL 87 TIME 0913 GMT
LAT 01 00.0S LONG 165 00.4E



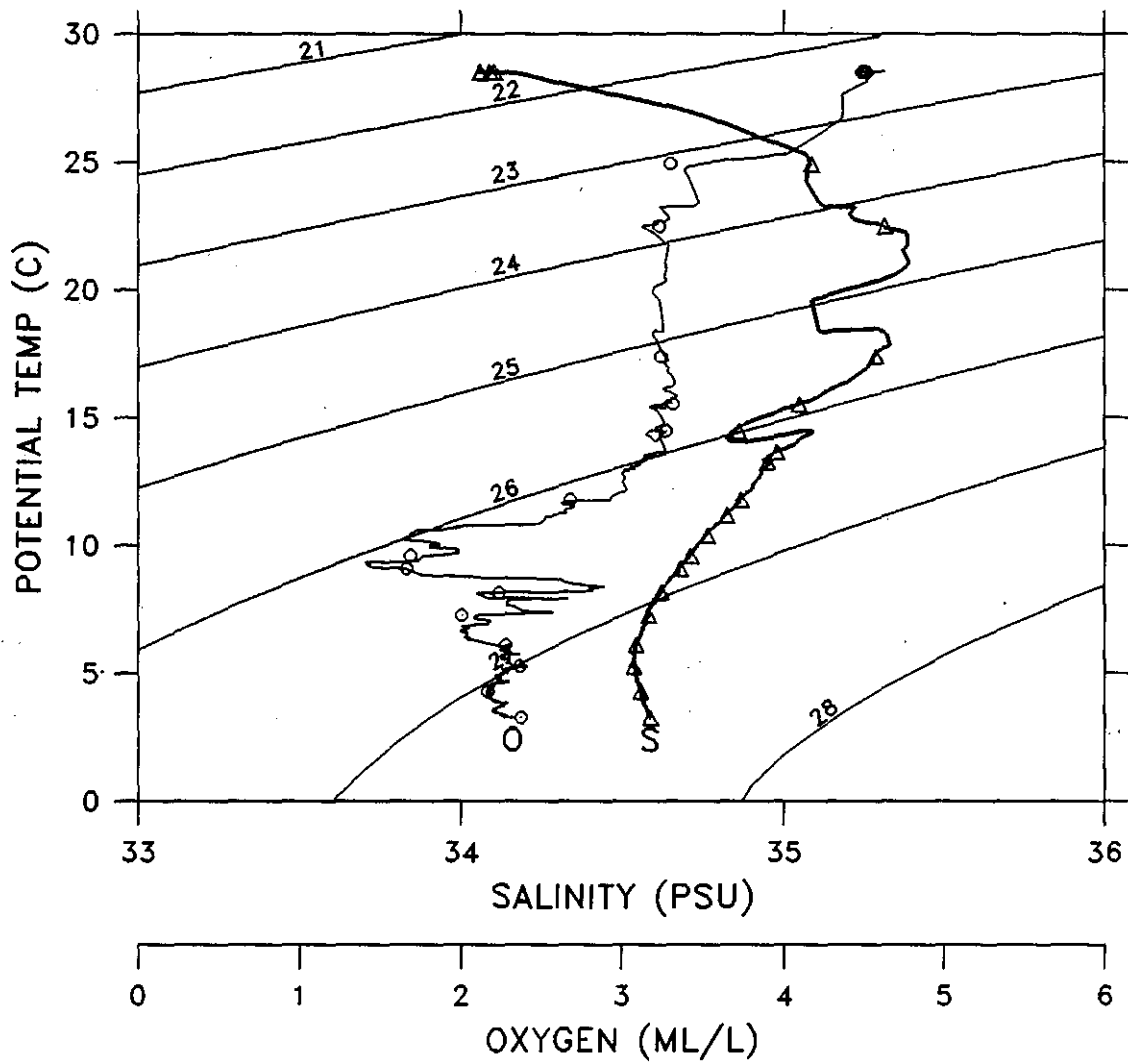
CAST TW3-87-0C-027 DATE 22 JUL 87 TIME 0913 GMT
 LAT 01 00.0S LONG 165 00.4E WEATHER 2 SEA STATE 2
 BAROMETER 12 WIND DIR 330 T SPD 08 KT VISIBILITY 8
 CLOUD X AMOUNT 7 DRY 28.2 WET 24.8 DEPTH 4428 M



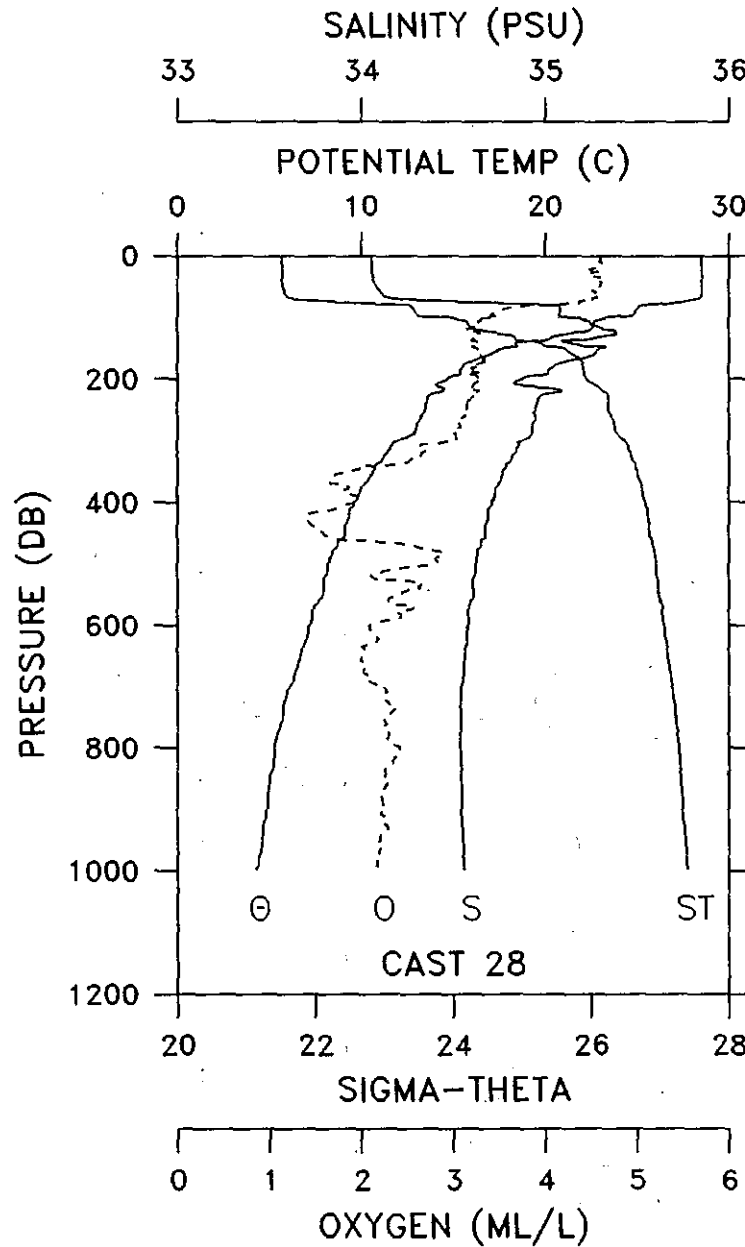
PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.452	34.148	4.58	21.609	0.000
10	28.445	34.149	4.59	21.611	0.062
20	28.421	34.156	4.42	21.625	0.124
30	28.421	34.190	4.55	21.650	0.185
40	28.392	34.201	4.50	21.668	0.247
50	28.388	34.206	4.36	21.673	0.308
60	28.376	34.216	4.41	21.685	0.370
70	28.024	34.377	4.34	21.920	0.430
80	24.904	35.103	4.17	23.450	0.484
90	24.701	35.099	3.49	23.508	0.529
100	24.111	35.070	3.37	23.663	0.572
110	23.253	35.249	3.23	24.051	0.613
120	23.220	35.280	3.23	24.084	0.652
130	21.597	35.373	3.25	24.615	0.689
140	19.745	35.190	3.29	24.975	0.720
150	18.823	35.161	3.19	25.190	0.749
160	17.782	35.343	3.24	25.590	0.776
170	16.788	35.285	3.30	25.784	0.799
180	16.028	35.248	3.28	25.933	0.821
190	15.632	35.208	3.29	25.992	0.842
200	14.813	35.144	3.30	26.125	0.862
250	13.133	34.923	3.08	26.307	0.954
300	11.319	34.827	2.64	26.583	1.036
350	10.318	34.755	2.47	26.707	1.108
400	9.581	34.709	1.89	26.796	1.177
450	8.743	34.655	2.84	26.889	1.241
500	8.103	34.618	2.50	26.958	1.302
550	7.423	34.569	3.08	27.020	1.360
600	7.139	34.575	2.91	27.065	1.416
650	6.504	34.537	2.95	27.121	1.469
700	6.242	34.550	2.27	27.167	1.520
750	5.873	34.542	2.29	27.207	1.568
800	5.624	34.541	2.28	27.237	1.615
900	5.047	34.542	2.38	27.307	1.706
1000	4.514	34.555	2.21	27.378	1.789
1301	3.383	34.587	2.26	27.519	2.009

CAST TW3-87-OC-028 DATE 22 JUL 87 TIME 1338 GMT

LAT 00 29.9S LONG 165 00.2E

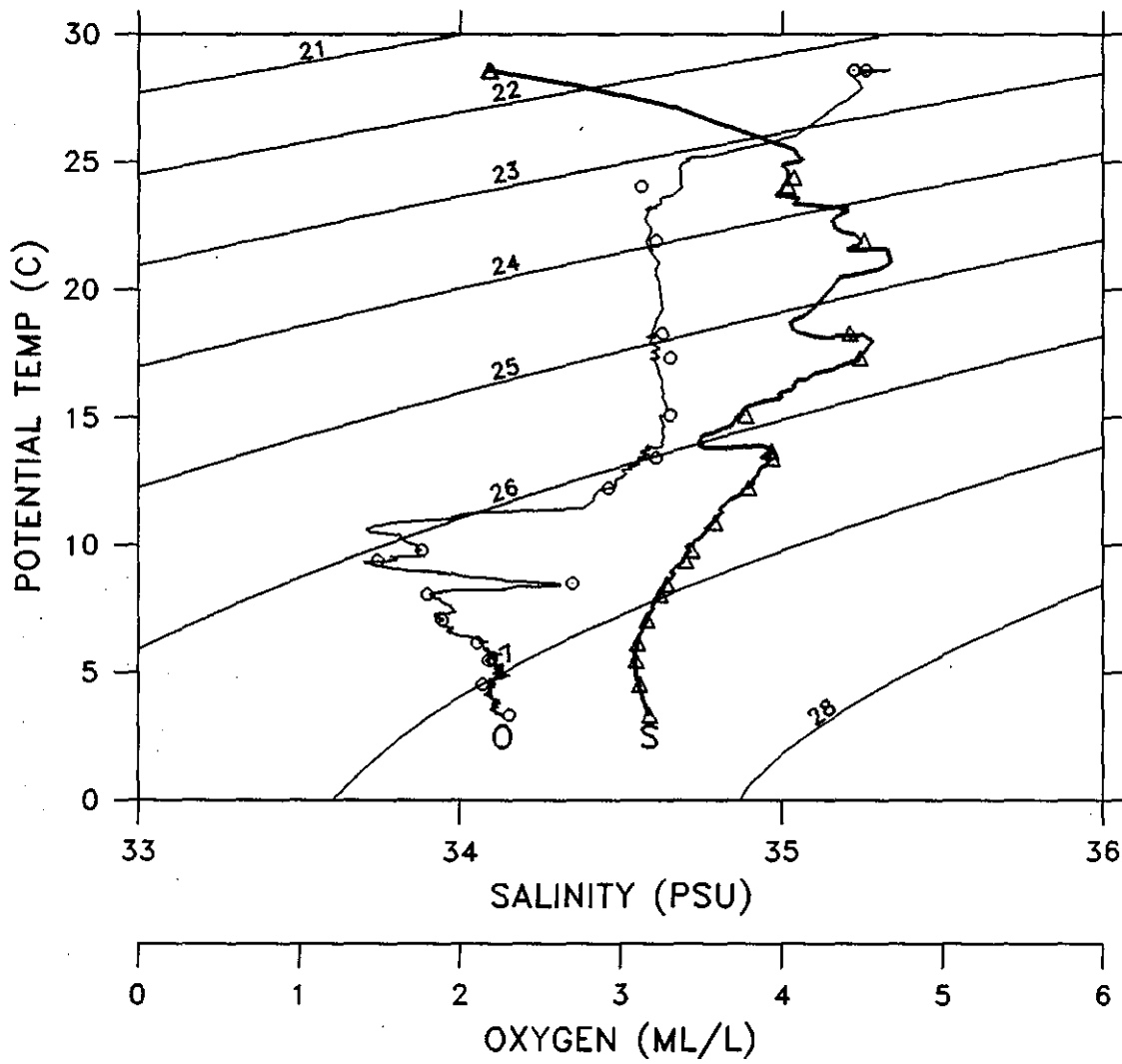


CAST TW3-87-OC-028 DATE 22 JUL 87 TIME 1338 GMT
 LAT 00 29.9S LONG 165 00.2E WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 273 T SPD 06 KT VISIBILITY 7
 CLOUD 2 AMOUNT 5 DRY 27.2 WET 25.1 DEPTH 4432 M

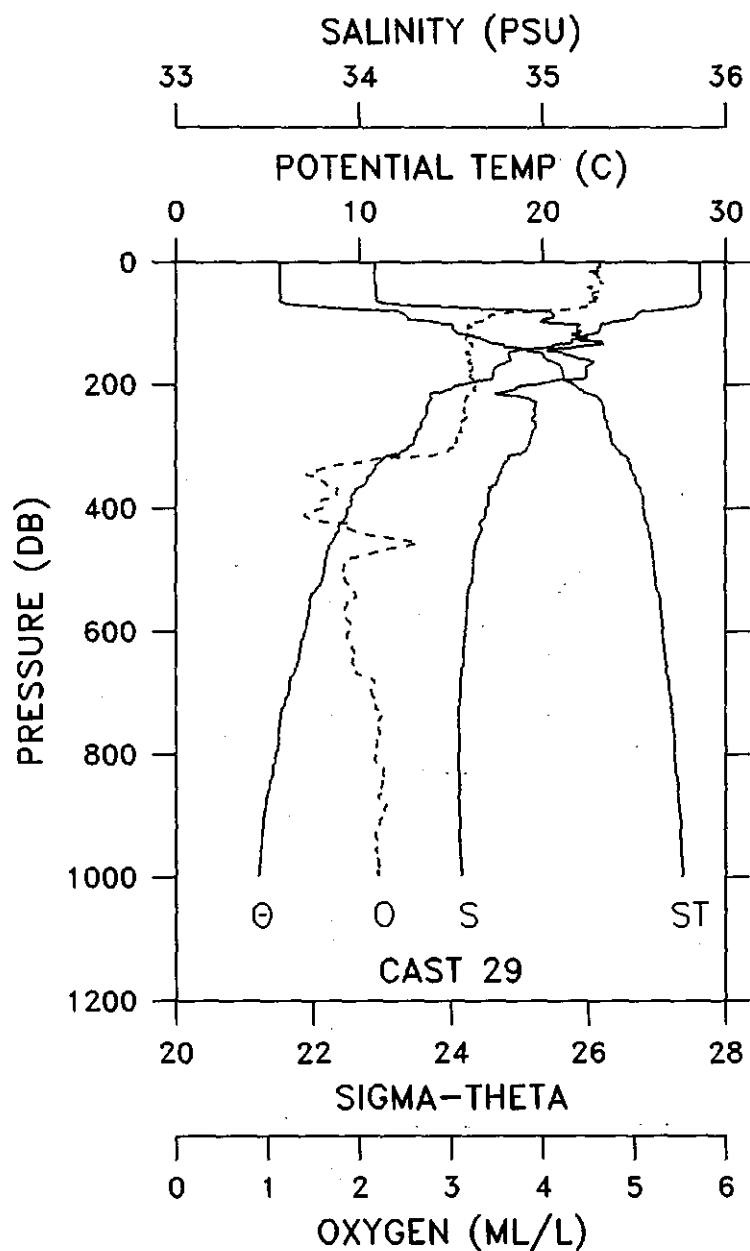


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.520	34.056	4.60	21.517	0.000
10	28.519	34.057	4.62	21.518	0.063
20	28.515	34.057	4.52	21.519	0.126
30	28.514	34.058	4.57	21.520	0.188
40	28.523	34.066	4.61	21.523	0.251
50	28.531	34.085	4.58	21.535	0.314
60	28.523	34.111	4.54	21.557	0.377
70	28.338	34.225	4.50	21.704	0.439
80	25.243	35.070	3.92	23.322	0.493
90	24.909	35.082	3.48	23.432	0.538
100	23.240	35.132	3.44	23.966	0.582
110	22.682	35.248	3.21	24.215	0.620
120	22.408	35.323	3.15	24.350	0.657
130	20.555	35.341	3.27	24.875	0.691
140	18.389	35.111	3.27	25.262	0.722
150	17.666	35.302	3.25	25.587	0.748
160	17.028	35.263	3.29	25.711	0.772
170	16.147	35.153	3.26	25.832	0.795
180	15.546	35.045	3.26	25.886	0.816
190	15.398	35.017	3.28	25.898	0.838
200	14.746	34.876	3.27	25.933	0.859
250	13.500	34.951	3.15	26.254	0.955
300	11.986	34.879	2.97	26.498	1.042
350	10.614	34.771	1.87	26.666	1.118
400	9.647	34.715	1.94	26.789	1.188
450	9.126	34.679	1.59	26.847	1.253
500	8.199	34.624	2.75	26.948	1.315
550	7.909	34.610	2.44	26.981	1.374
600	7.193	34.583	2.08	27.064	1.430
650	6.698	34.567	2.02	27.119	1.483
700	6.117	34.547	2.21	27.180	1.534
750	5.723	34.543	2.27	27.226	1.581
800	5.269	34.538	2.42	27.277	1.627
900	4.864	34.547	2.24	27.332	1.713
1000	4.279	34.561	2.17	27.408	1.794
1299	3.264	34.591	2.32	27.534	2.006

CAST TW3-87-OC-029 DATE 22 JUL 87 TIME 2015 GMT
LAT 00 05.4S LONG 165 10.0E

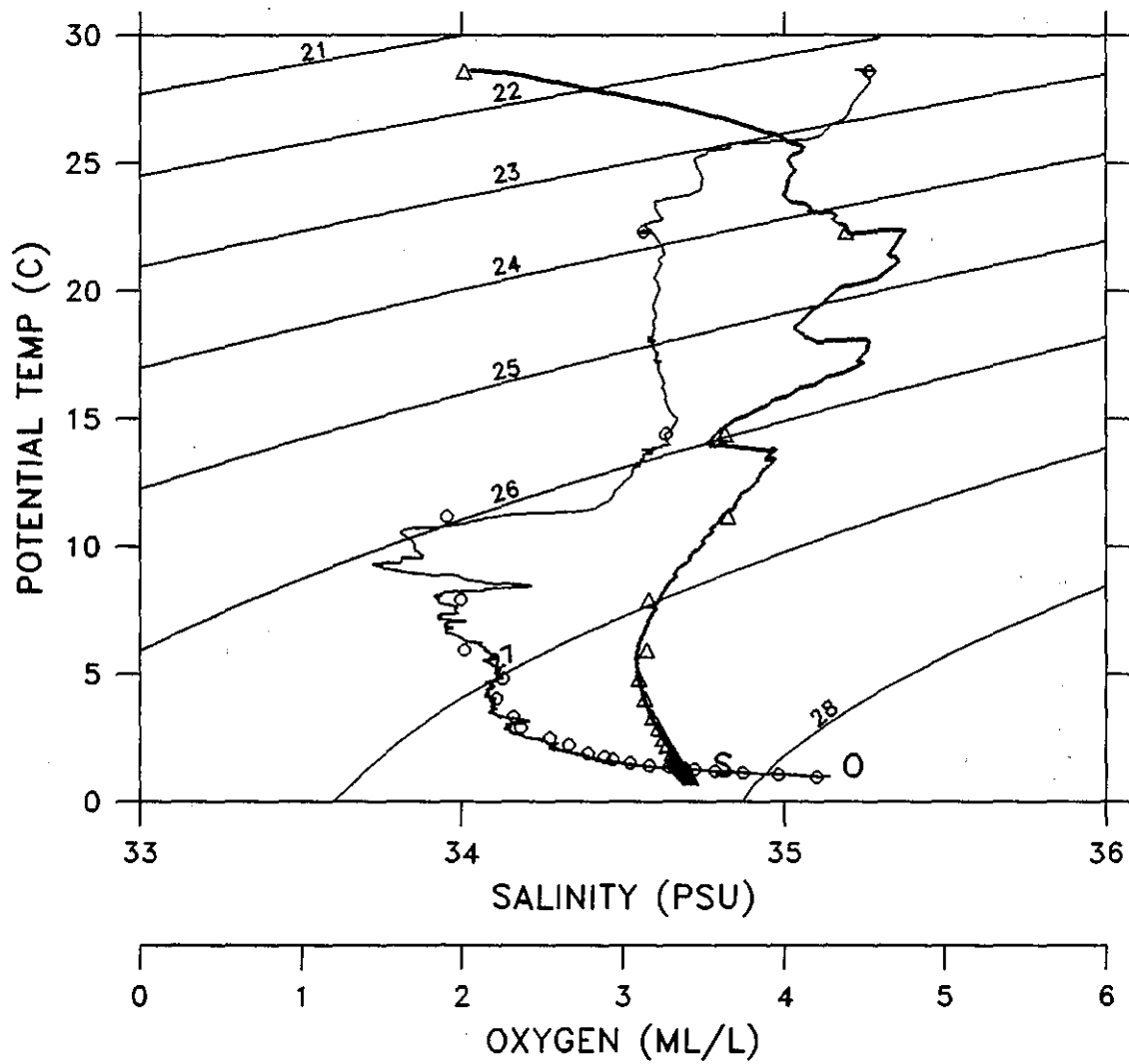


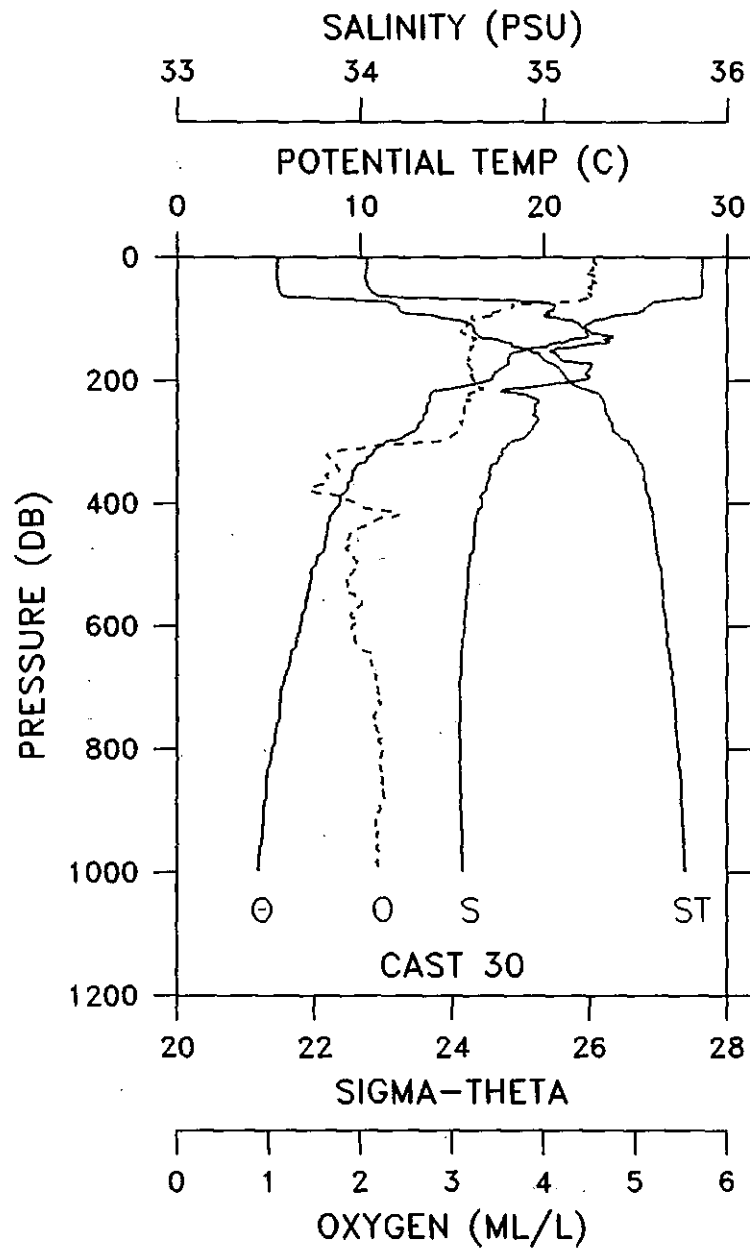
CAST TW3-87-OC-029 DATE 22 JUL 87 TIME 2015 GMT
 LAT 00 05.4S LONG 165 10.0E WEATHER 1 SEA STATE 2
 BAROMETER 12 WIND DIR 289 T SPD 96 KT VISIBILITY 8
 CLOUD 8 AMOUNT 6 DRY 27.5 WET 25.2 DEPTH 4362 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.594	34.086	4.64	21.515	0.000
10	28.592	34.086	4.60	21.515	0.063
20	28.590	34.085	4.60	21.515	0.126
30	28.589	34.085	4.61	21.516	0.188
40	28.599	34.091	4.54	21.517	0.251
50	28.598	34.091	4.55	21.517	0.314
60	28.596	34.095	4.56	21.521	0.377
70	28.252	34.250	4.45	21.751	0.440
80	25.742	34.981	3.90	23.101	0.494
90	25.048	35.059	3.43	23.373	0.540
100	23.374	35.035	3.25	23.853	0.584
110	23.150	35.183	3.15	24.031	0.623
120	22.256	35.190	3.19	24.292	0.662
130	21.623	35.292	3.18	24.546	0.697
140	19.866	35.136	3.25	24.902	0.730
150	18.146	35.120	3.16	25.329	0.758
160	18.251	35.254	3.20	25.406	0.785
170	17.517	35.248	3.21	25.582	0.810
180	17.312	35.236	3.22	25.622	0.835
190	17.216	35.225	3.21	25.636	0.859
200	15.652	34.943	3.27	25.783	0.882
250	13.621	34.957	3.12	26.234	0.981
300	12.653	34.915	3.01	26.397	1.070
350	10.464	34.760	1.51	26.685	1.147
400	9.418	34.690	1.59	26.808	1.216
450	8.571	34.644	2.38	26.907	1.279
500	8.085	34.621	1.82	26.964	1.339
550	7.316	34.588	1.91	27.050	1.396
600	7.065	34.580	1.89	27.079	1.450
650	6.647	34.566	1.92	27.125	1.503
700	6.123	34.550	2.13	27.182	1.553
750	5.676	34.544	2.20	27.233	1.600
800	5.485	34.545	2.16	27.257	1.646
900	4.820	34.549	2.25	27.338	1.733
1000	4.518	34.556	2.20	27.378	1.815
1299	3.347	34.589	2.26	27.524	2.034

CAST TW3-87-OC-030 DATE 23 JUL 87 TIME 1436 GMT
LAT 00 00.6N LONG 165 08.2E

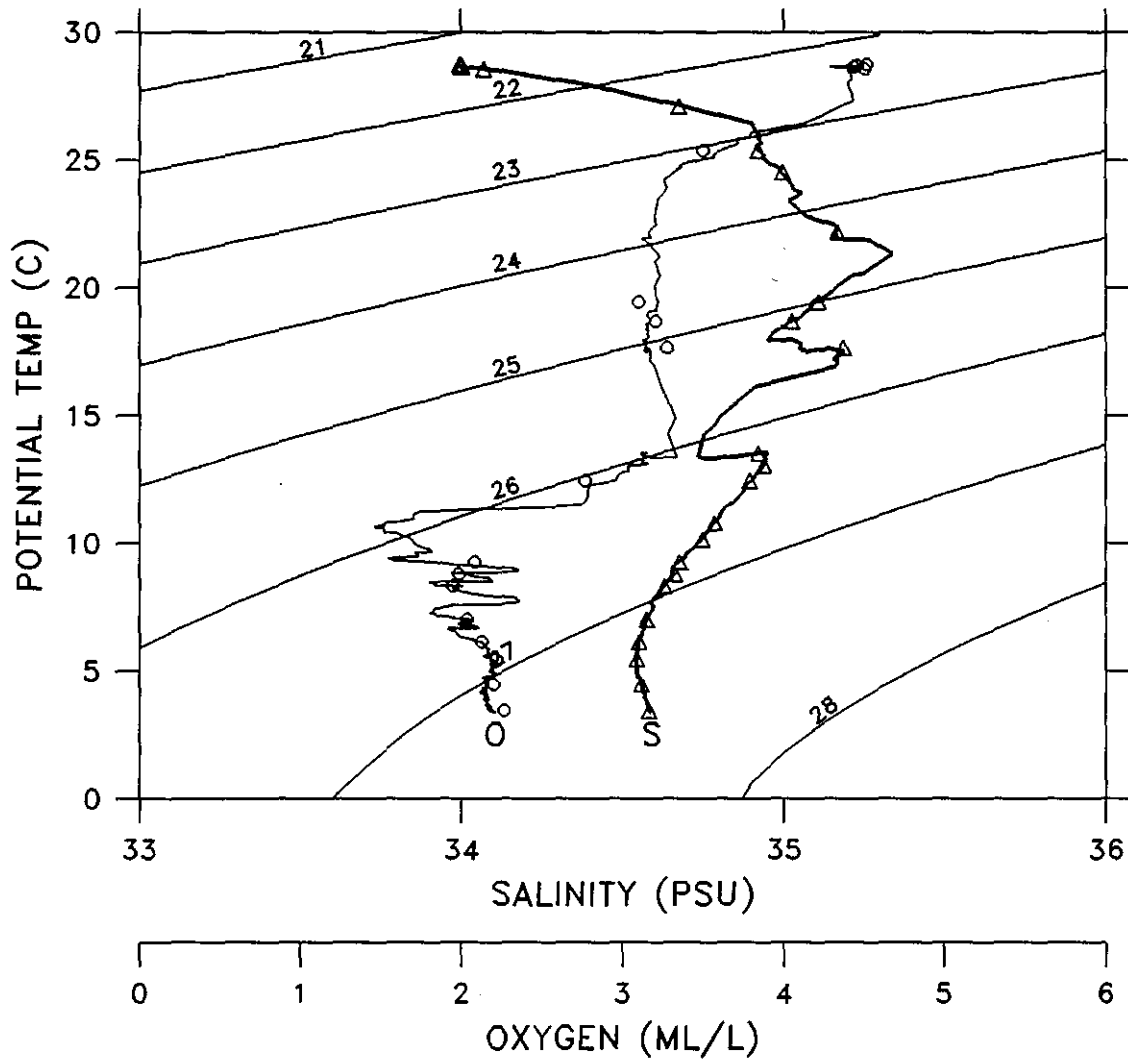


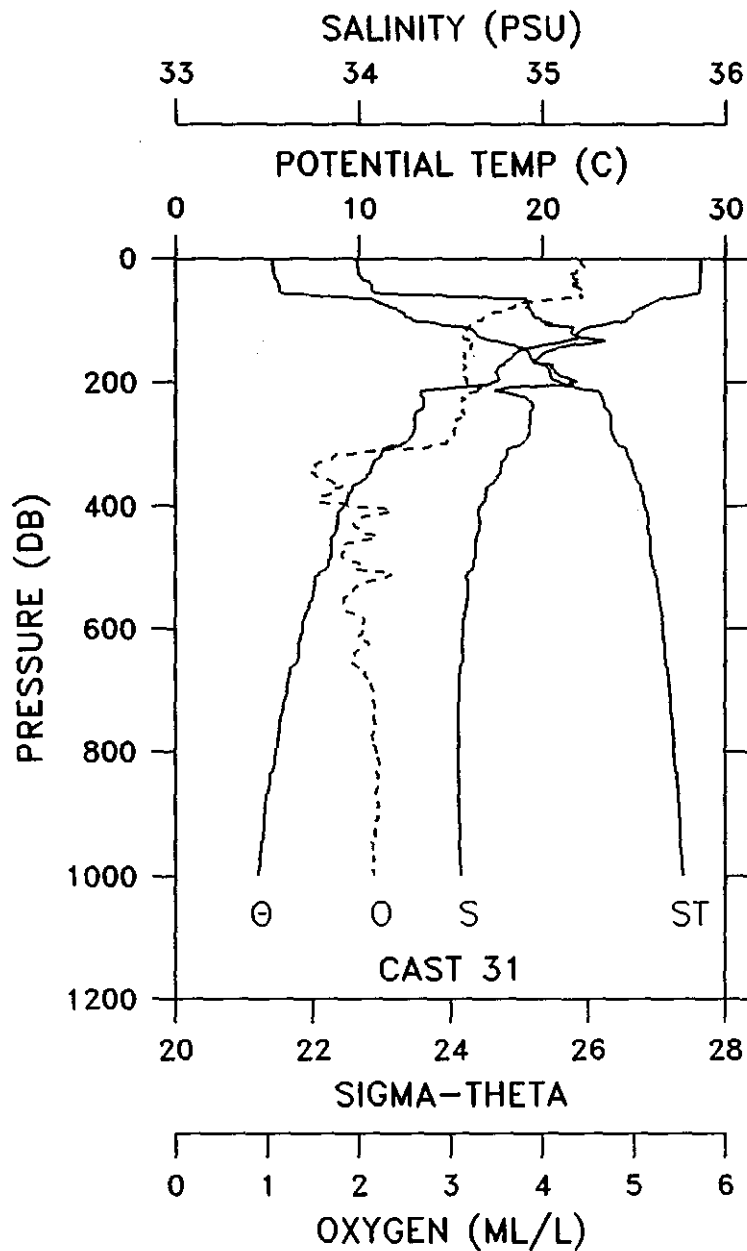


CAST TW3-87-0C-030 DATE 23 JUL 87 TIME 1436 GMT
 LAT 00 00.6N LONG 165 08.2E WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 150 T SPD 10 KT VISIBILITY 7
 CLOUD 2 AMOUNT 3 DRY 26.7 WET 25.0 DEPTH 4349 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.647	34.030	4.54	21.456	0.000
10	28.655	34.030	4.57	21.453	0.063
20	28.652	34.030	4.55	21.453	0.127
30	28.630	34.028	4.54	21.459	0.190
40	28.628	34.034	4.54	21.465	0.254
50	28.624	34.046	4.50	21.475	0.317
60	28.605	34.077	4.48	21.504	0.380
70	26.762	34.806	4.38	22.649	0.440
80	25.597	35.059	3.67	23.205	0.489
90	25.181	35.014	3.44	23.298	0.535
100	23.123	35.077	3.22	23.958	0.578
110	22.305	35.197	3.18	24.283	0.616
120	22.301	35.248	3.09	24.323	0.652
130	22.323	35.377	3.17	24.415	0.689
140	20.535	35.294	3.20	24.845	0.722
150	18.918	35.063	3.20	25.091	0.753
160	18.172	35.074	3.16	25.287	0.781
170	18.077	35.163	3.19	25.379	0.808
180	17.684	35.257	3.20	25.548	0.833
190	17.258	35.229	3.24	25.629	0.858
200	16.836	35.186	3.23	25.697	0.882
250	13.611	34.955	3.13	26.234	0.982
300	11.362	34.817	2.69	26.568	1.069
350	9.552	34.701	1.71	26.794	1.140
400	8.867	34.662	1.96	26.875	1.205
450	8.186	34.623	1.90	26.950	1.265
500	7.516	34.600	1.97	27.031	1.322
550	7.093	34.577	1.93	27.073	1.377
600	6.734	34.568	1.91	27.115	1.430
650	6.203	34.552	2.11	27.173	1.480
700	5.732	34.543	2.19	27.226	1.528
750	5.567	34.544	2.15	27.247	1.574
800	5.202	34.543	2.24	27.290	1.619
900	4.736	34.551	2.21	27.349	1.703
1000	4.432	34.558	2.16	27.389	1.784
1500	2.891	34.607	2.28	27.581	2.124
2000	2.090	34.644	2.58	27.679	2.403
2500	1.667	34.665	2.86	27.729	2.645
3000	1.396	34.678	3.13	27.759	2.873
3500	1.265	34.686	3.40	27.775	3.095
4000	1.109	34.697	3.81	27.794	3.313
4350	0.971	34.707	4.23	27.812	3.462

CAST TW3-87-OC-031 DATE 23 JUL 87 TIME 2332 GMT
LAT 00 30.1N LONG 165 01.1E

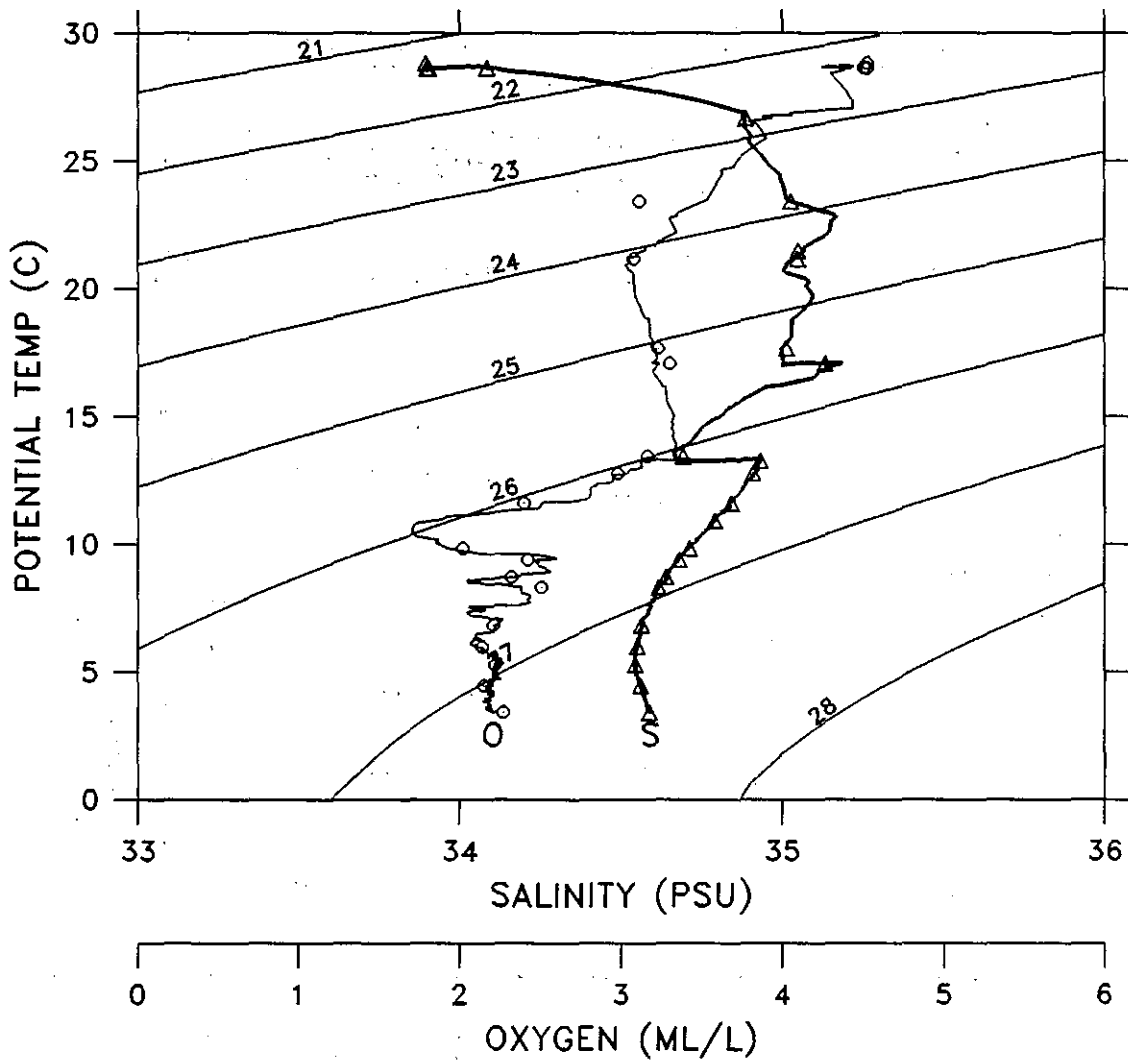


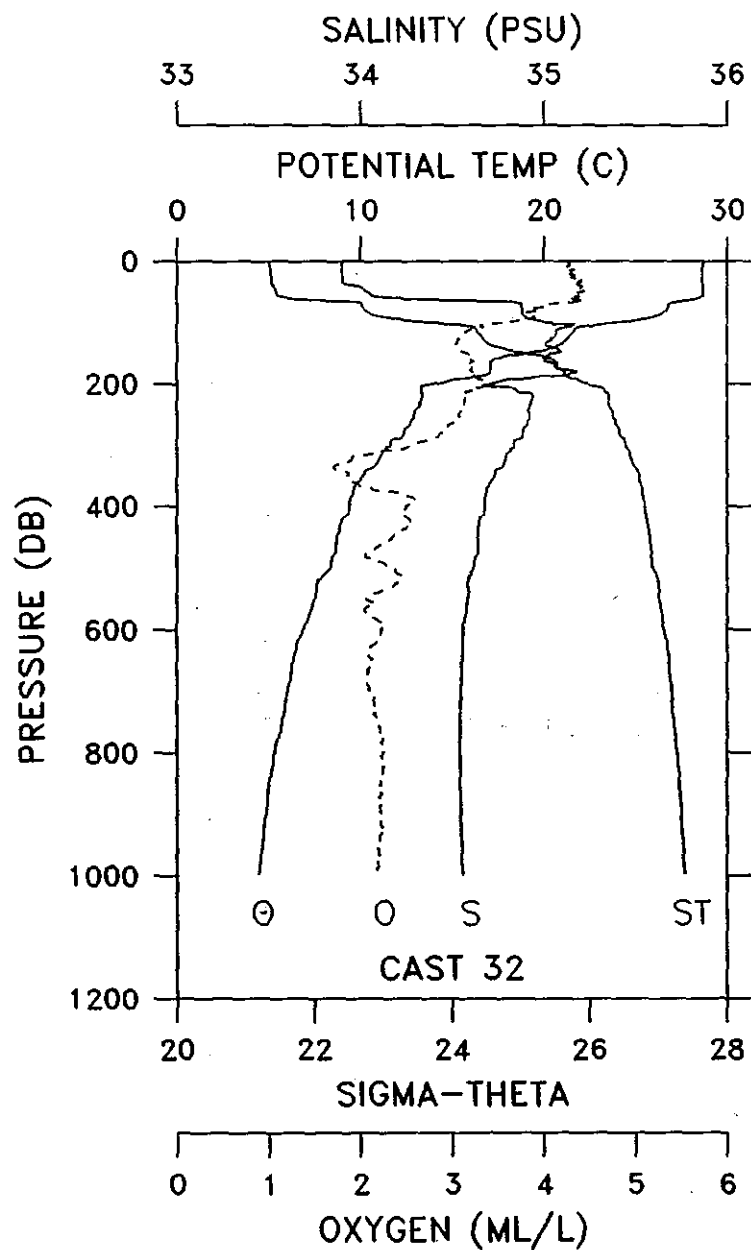


CAST TWJ-87-OC-031 DATE 23 JUL 87 TIME 2332 GMT
 LAT 00 30.1N LONG 165 01.1E WEATHER 1 SEA STATE 2
 BAROMETER 12 WIND DIR 145 T SPD 08 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 28.5 WET 26.5 DEPTH 4387 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.688	33.994	4.43	21.415	0.000
10	28.685	33.994	4.45	21.416	0.064
20	28.673	33.997	4.38	21.422	0.127
30	28.630	34.013	4.34	21.448	0.191
40	28.618	34.059	4.36	21.486	0.255
50	28.589	34.071	4.42	21.505	0.318
60	27.848	34.435	4.41	22.022	0.380
70	26.140	34.914	3.87	22.927	0.432
80	25.537	34.910	3.67	23.111	0.480
90	24.937	34.952	3.42	23.326	0.527
100	24.583	34.988	3.34	23.460	0.572
110	22.636	35.115	3.21	24.127	0.614
120	21.940	35.157	3.16	24.356	0.651
130	21.873	35.266	3.14	24.457	0.686
140	19.907	35.157	3.21	24.907	0.719
150	18.730	35.027	3.18	25.111	0.749
160	18.367	34.983	3.15	25.169	0.778
170	17.959	34.996	3.14	25.280	0.806
180	17.545	35.068	3.13	25.436	0.832
190	17.569	35.095	3.15	25.452	0.858
200	17.205	35.151	3.17	25.582	0.883
250	13.111	34.936	3.16	26.321	0.982
300	12.326	34.886	2.85	26.438	1.069
350	10.427	34.756	1.52	26.688	1.144
400	9.189	34.666	1.91	26.826	1.211
450	8.551	34.646	2.18	26.913	1.274
500	8.223	34.624	1.95	26.945	1.335
550	7.462	34.594	1.84	27.034	1.391
600	6.926	34.570	2.03	27.090	1.445
650	6.655	34.566	1.93	27.124	1.498
700	6.053	34.547	2.15	27.188	1.547
750	5.709	34.544	2.17	27.229	1.595
800	5.492	34.542	2.19	27.254	1.641
900	4.861	34.548	2.21	27.333	1.729
1000	4.483	34.557	2.16	27.382	1.811
1301	3.390	34.587	2.21	27.519	2.030

CAST TW3-87-OC-032 DATE 24 JUL 87 TIME 0823 GMT
LAT 00 59.9N LONG 165 00.5E

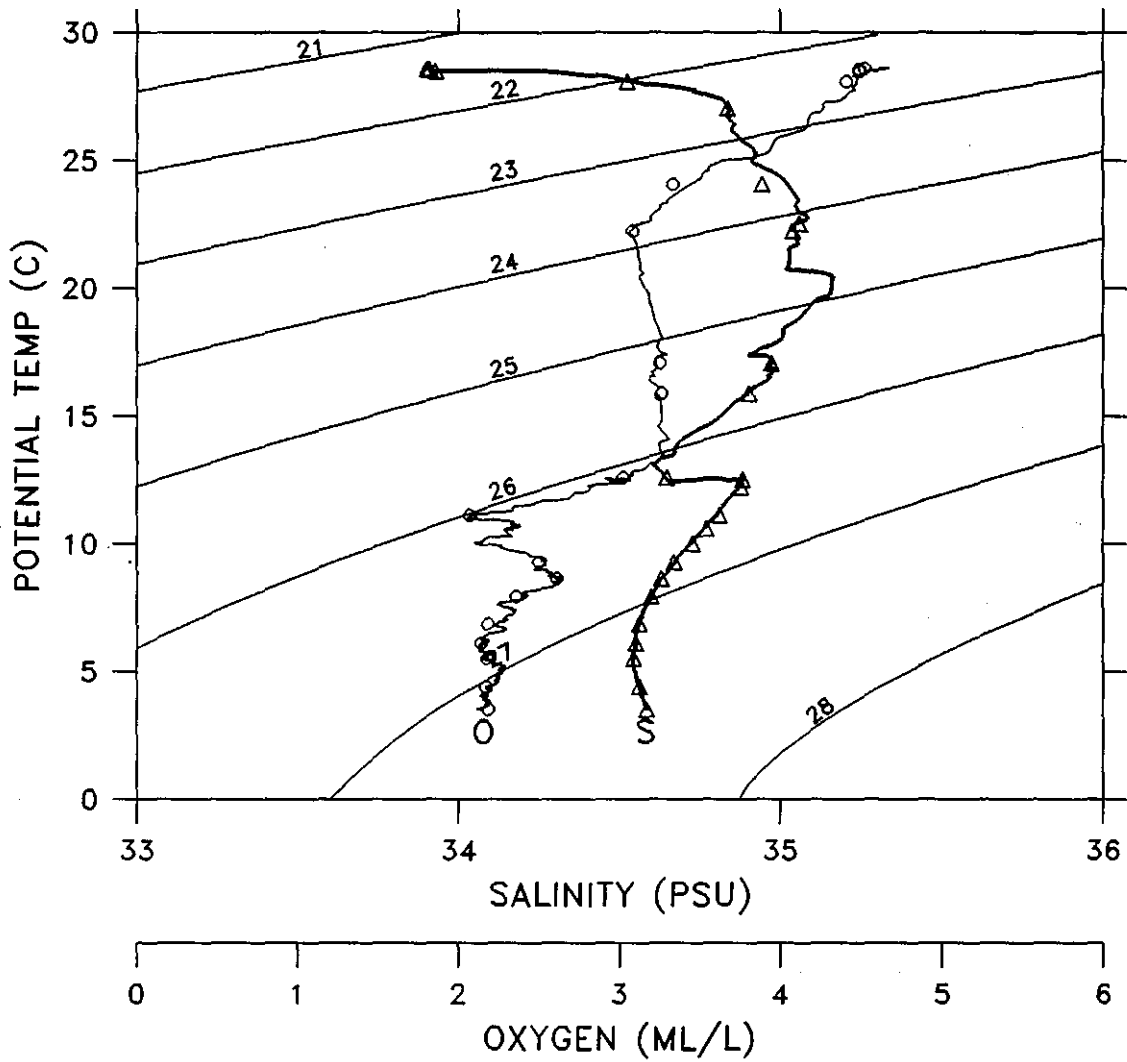


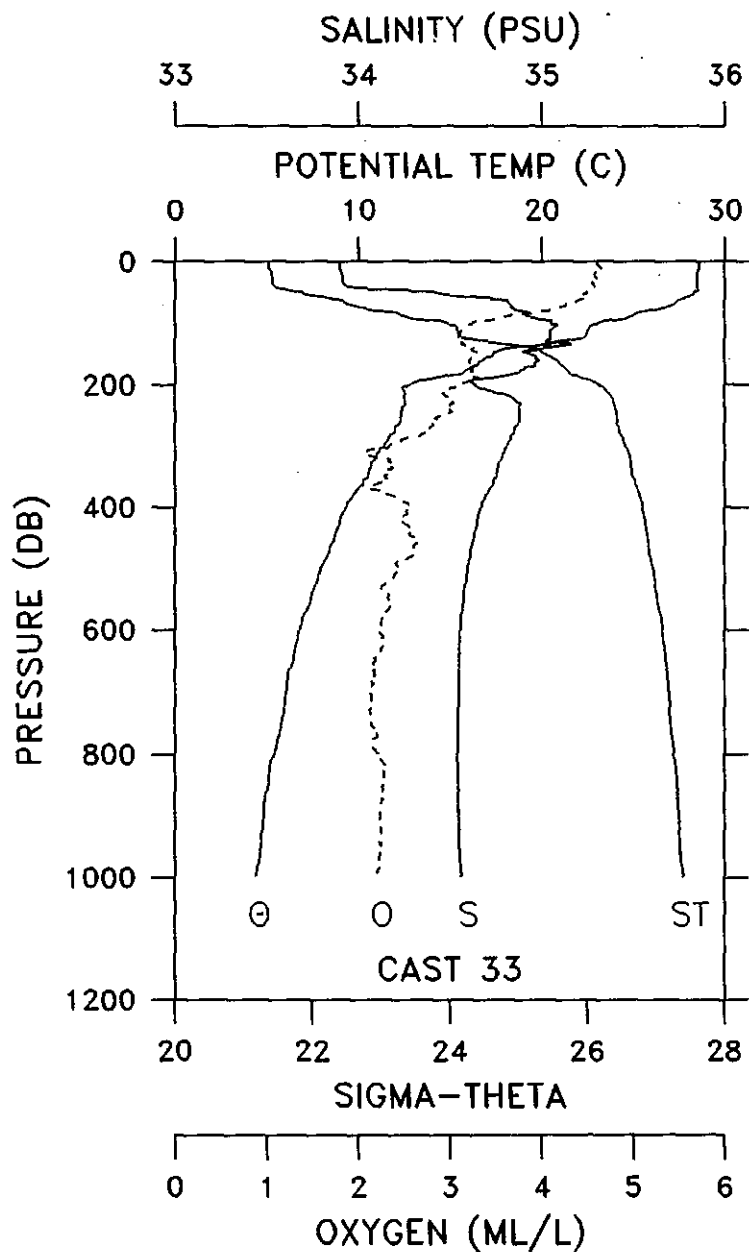


CAST TW3-87-OC-032 DATE 24 JUL 87 TIME 0823 GMT
 LAT 00 59.9N LONG 165 00.5E WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 175 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 28.3 WET 25.8 DEPTH 4320 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.699	33.898	4.28	21.339	0.000
10	28.668	33.898	4.33	21.349	0.064
20	28.638	33.900	4.29	21.360	0.129
30	28.627	33.900	4.40	21.365	0.193
40	28.682	33.973	4.39	21.401	0.257
50	28.712	34.046	4.40	21.446	0.321
60	28.484	34.201	4.35	21.638	0.385
70	26.829	34.879	4.05	22.683	0.440
80	26.665	34.881	3.94	22.737	0.492
90	25.964	34.902	3.90	22.973	0.543
100	23.487	35.012	3.53	23.803	0.589
110	21.708	35.077	3.21	24.359	0.626
120	21.430	35.064	3.11	24.426	0.662
130	21.100	35.027	3.06	24.489	0.697
140	20.427	35.068	3.07	24.702	0.732
150	18.869	35.041	3.15	25.087	0.763
160	17.190	35.001	3.20	25.470	0.790
170	17.102	35.063	3.22	25.539	0.815
180	17.107	35.185	3.21	25.632	0.840
190	15.878	34.910	3.28	25.707	0.864
200	13.904	34.707	3.34	25.981	0.886
250	12.942	34.922	3.07	26.345	0.977
300	11.655	34.840	2.53	26.531	1.060
350	10.095	34.730	1.85	26.725	1.134
400	9.395	34.676	2.49	26.801	1.202
450	8.721	34.638	2.35	26.879	1.266
500	8.354	34.617	2.33	26.920	1.328
550	7.538	34.588	2.06	27.018	1.386
600	6.916	34.565	2.24	27.088	1.441
650	6.332	34.553	2.11	27.157	1.492
700	6.007	34.547	2.11	27.194	1.541
750	5.706	34.543	2.19	27.228	1.588
800	5.329	34.543	2.25	27.274	1.634
900	4.850	34.548	2.22	27.334	1.720
1000	4.475	34.557	2.18	27.383	1.802
1297	3.426	34.586	2.21	27.515	2.018

CAST TW3-87-OC-033 DATE 24 JUL 87 TIME 1259 GMT
LAT 01 34.3N LONG 164 59.8E

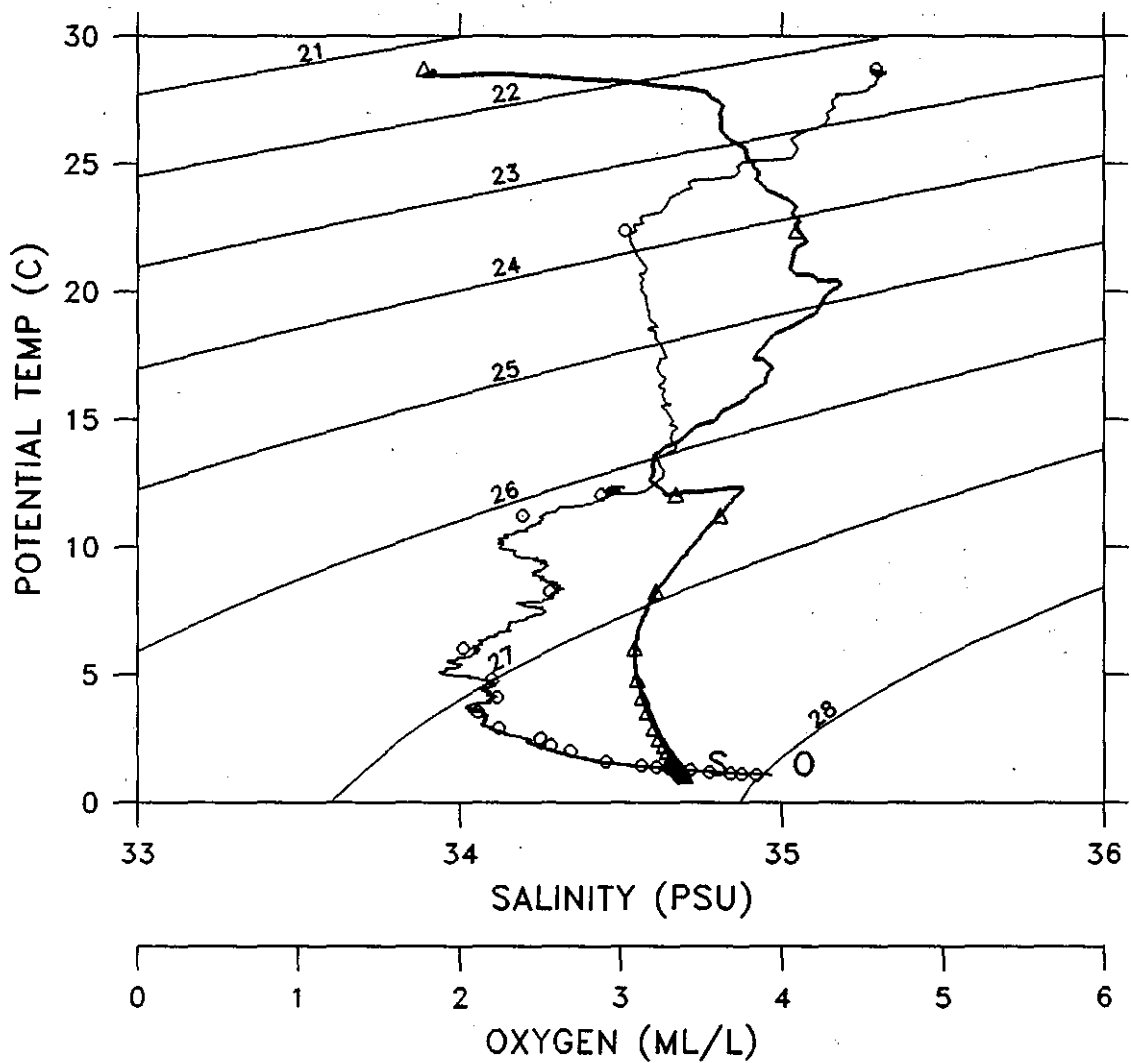




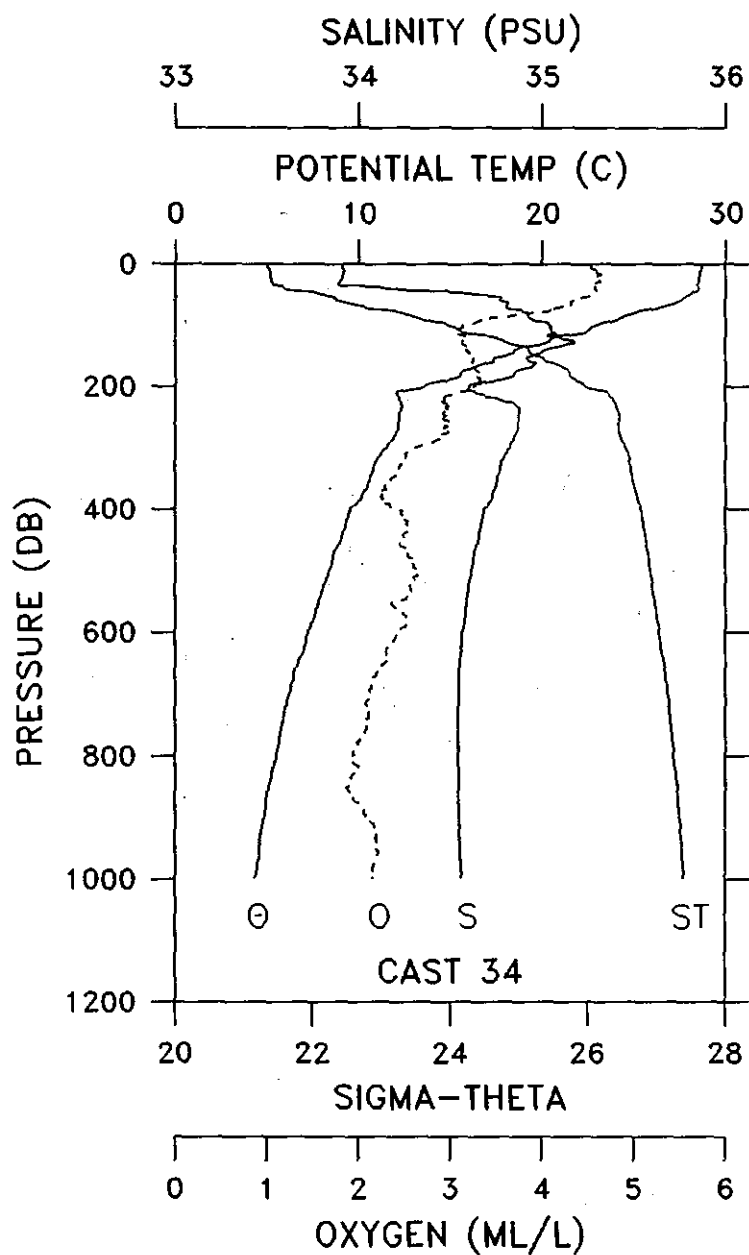
CAST TW3-87-OC-033 DATE 24 JUL 87 TIME 1259 GMT
 LAT 01 34.3N LONG 164 59.8E WEATHER 0 SEA STATE 3
 BAROMETER 12 WIND DIR 160 T SPD 10 KT VISIBILITY 8
 CLOUD X AMOUNT 0 DRY 27.8 WET 25.1 DEPTH 4266 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.626	33.903	4.61	21.367	0.000
10	28.624	33.903	4.64	21.368	0.064
20	28.511	33.911	4.58	21.411	0.128
30	28.497	33.917	4.59	21.420	0.192
40	28.491	33.931	4.57	21.432	0.256
50	28.330	34.414	4.49	21.848	0.318
60	27.740	34.735	4.46	22.283	0.376
70	27.209	34.830	4.26	22.525	0.431
80	25.923	34.869	4.00	22.961	0.482
90	24.766	34.937	3.56	23.366	0.529
100	23.075	35.054	3.25	23.954	0.572
110	22.576	35.055	3.16	24.098	0.611
120	22.398	35.045	3.08	24.142	0.649
130	20.965	35.028	3.13	24.526	0.686
140	18.454	35.010	3.24	25.168	0.718
150	17.380	34.927	3.27	25.368	0.745
160	16.772	34.982	3.22	25.556	0.770
170	16.319	34.950	3.19	25.636	0.795
180	15.713	34.877	3.21	25.719	0.818
190	13.960	34.680	3.24	25.949	0.840
200	12.730	34.638	3.06	26.167	0.860
250	12.326	34.878	2.89	26.432	0.946
300	11.350	34.809	2.33	26.563	1.027
350	10.538	34.754	2.29	26.667	1.101
400	9.349	34.671	2.51	26.805	1.170
450	8.685	34.632	2.61	26.880	1.234
500	7.954	34.596	2.43	26.964	1.295
550	7.443	34.575	2.32	27.022	1.352
600	6.805	34.556	2.21	27.096	1.406
650	6.440	34.549	2.18	27.139	1.458
700	6.066	34.549	2.14	27.188	1.507
750	5.821	34.545	2.15	27.216	1.556
800	5.436	34.542	2.20	27.261	1.602
900	4.833	34.548	2.24	27.336	1.688
1000	4.387	34.560	2.18	27.395	1.770
1298	3.514	34.585	2.15	27.505	1.989

CAST TW3-87-OC-034 DATE 25 JUL 87 TIME 0650 GMT
LAT 02 00.2N LONG 165 01.5E

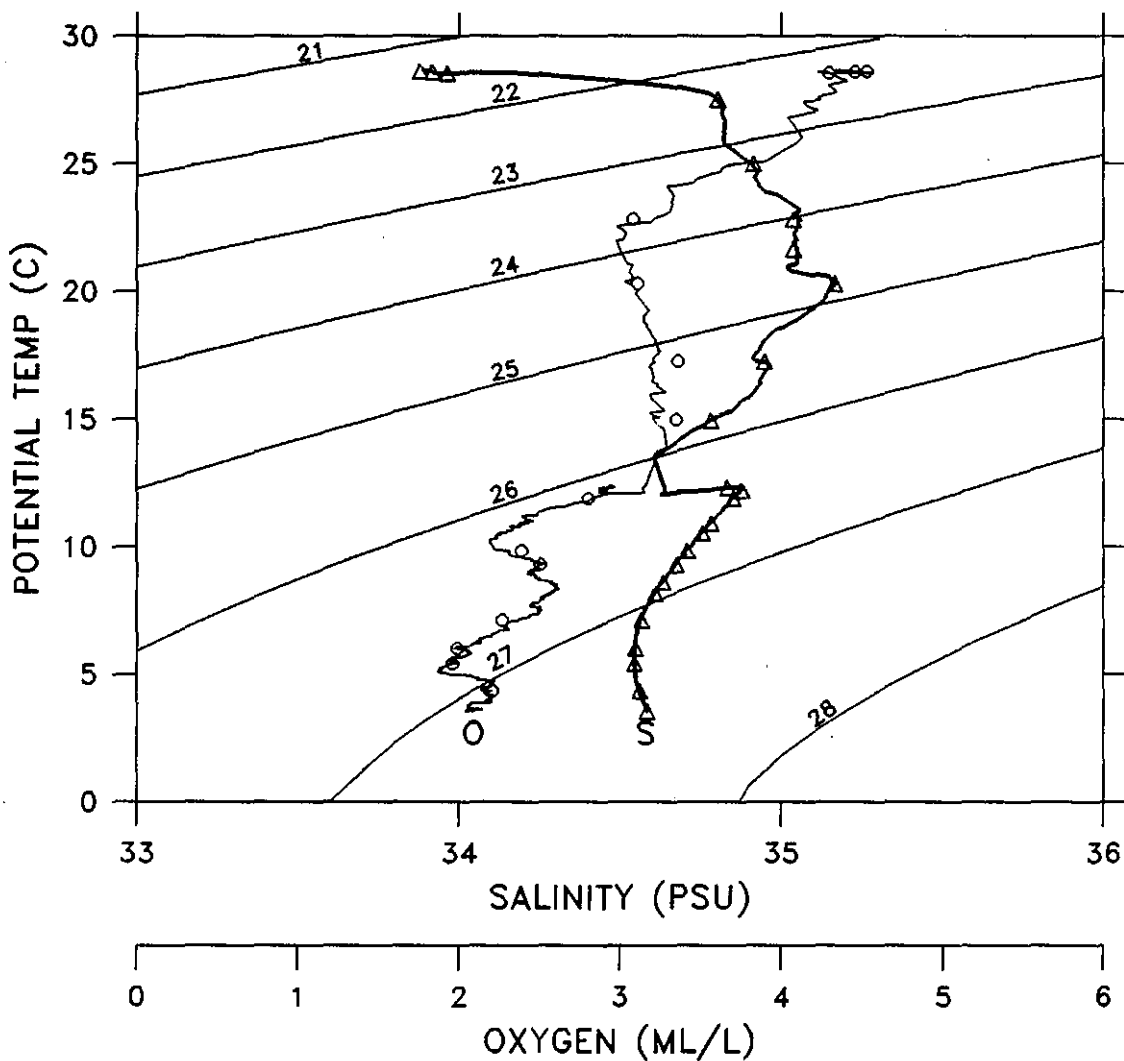


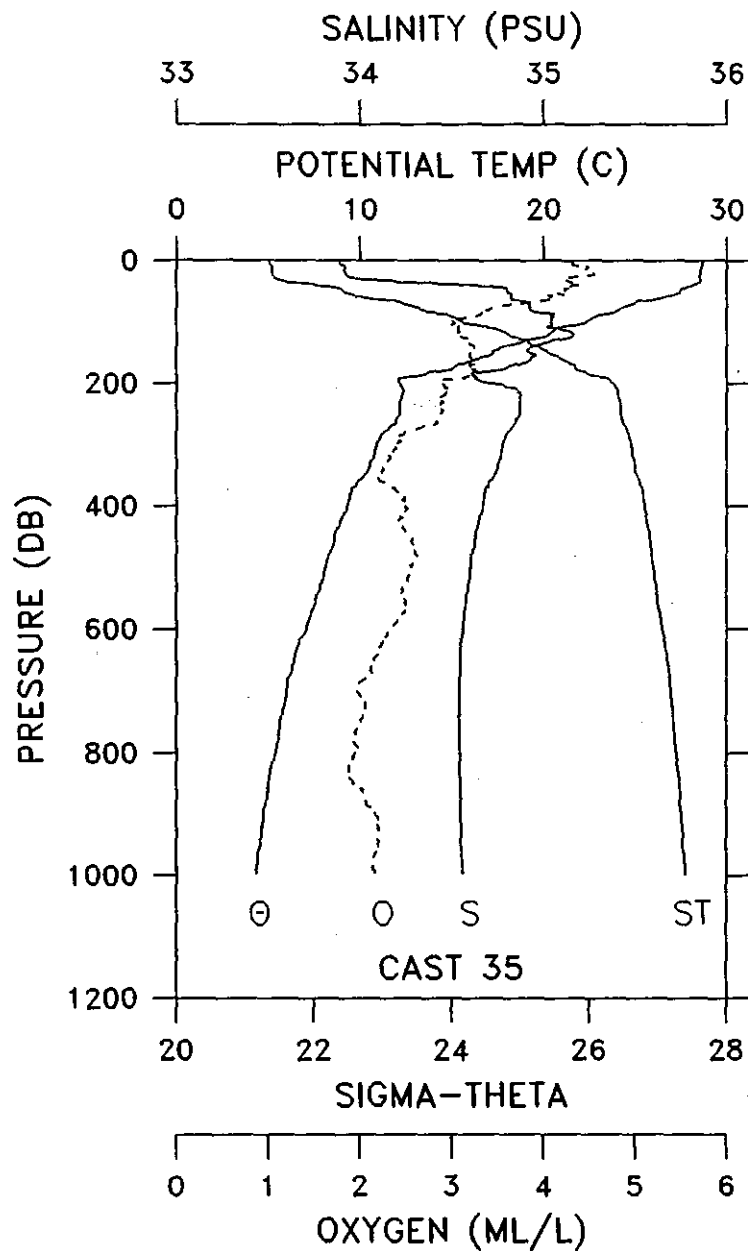
CAST TW3-87-OC-034 DATE 25 JUL 87 TIME 0650 GMT
 LAT 02 00.2N LONG 165 01.5E WEATHER 1 SEA STATE 1
 BAROMETER 11 WIND DIR 300 T SPD 04 KT VISIBILITY 9
 CLOUD 2 AMOUNT 4 DRY 26.6 WET 24.5 DEPTH 4153 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.719	33.914	4.54	21.344	0.000
10	28.633	33.919	4.60	21.376	0.064
20	28.587	33.912	4.58	21.386	0.128
30	28.500	33.893	4.61	21.401	0.193
40	28.527	34.137	4.57	21.576	0.256
50	28.054	34.633	4.56	22.103	0.316
60	27.644	34.774	4.35	22.343	0.371
70	26.508	34.808	4.25	22.731	0.425
80	25.076	34.903	3.75	23.247	0.474
90	24.107	34.943	3.43	23.568	0.519
100	22.955	35.040	3.13	23.978	0.560
110	22.407	35.045	3.09	24.139	0.599
120	20.639	35.096	3.12	24.666	0.635
130	20.093	35.158	3.13	24.859	0.667
140	18.588	35.016	3.19	25.139	0.697
150	17.934	34.945	3.25	25.247	0.725
160	17.197	34.953	3.24	25.432	0.752
170	16.203	34.921	3.27	25.641	0.776
180	15.554	34.846	3.26	25.731	0.800
190	14.745	34.735	3.34	25.824	0.822
200	13.575	34.606	3.25	25.971	0.844
250	12.193	34.872	2.96	26.454	0.931
300	11.472	34.823	2.61	26.552	1.011
350	10.617	34.758	2.36	26.656	1.086
400	9.592	34.687	2.39	26.777	1.157
450	9.029	34.654	2.45	26.843	1.223
500	8.392	34.615	2.62	26.912	1.285
550	7.840	34.592	2.42	26.978	1.346
600	7.285	34.569	2.44	27.040	1.403
650	6.700	34.553	2.27	27.108	1.457
700	6.228	34.545	2.13	27.164	1.508
750	5.842	34.543	2.11	27.212	1.557
800	5.551	34.544	1.93	27.249	1.603
900	4.868	34.550	2.08	27.334	1.691
1000	4.363	34.561	2.14	27.398	1.771
1500	2.950	34.605	2.18	27.574	2.124
2000	2.111	34.642	2.53	27.676	2.404
2500	1.637	34.667	2.83	27.733	2.648
3000	1.422	34.676	3.13	27.756	2.877
3500	1.271	34.685	3.41	27.774	3.101
4000	1.124	34.696	3.81	27.793	3.321
4101	1.082	34.699	3.93	27.798	3.365

CAST TW3-87-OC-035 DATE 25 JUL 87 TIME 1022 GMT
LAT 02 02.7N LONG 165 02.7E

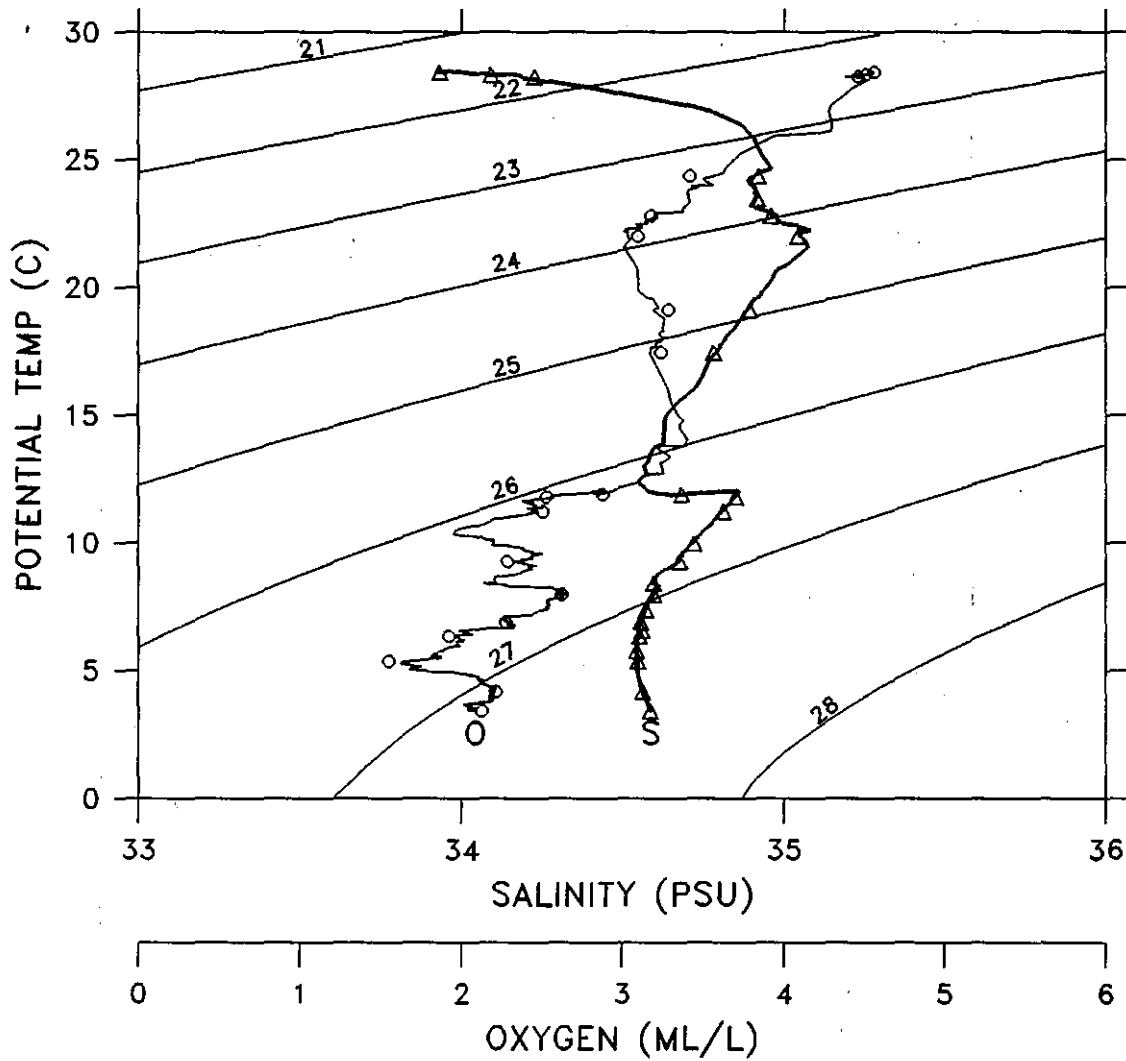




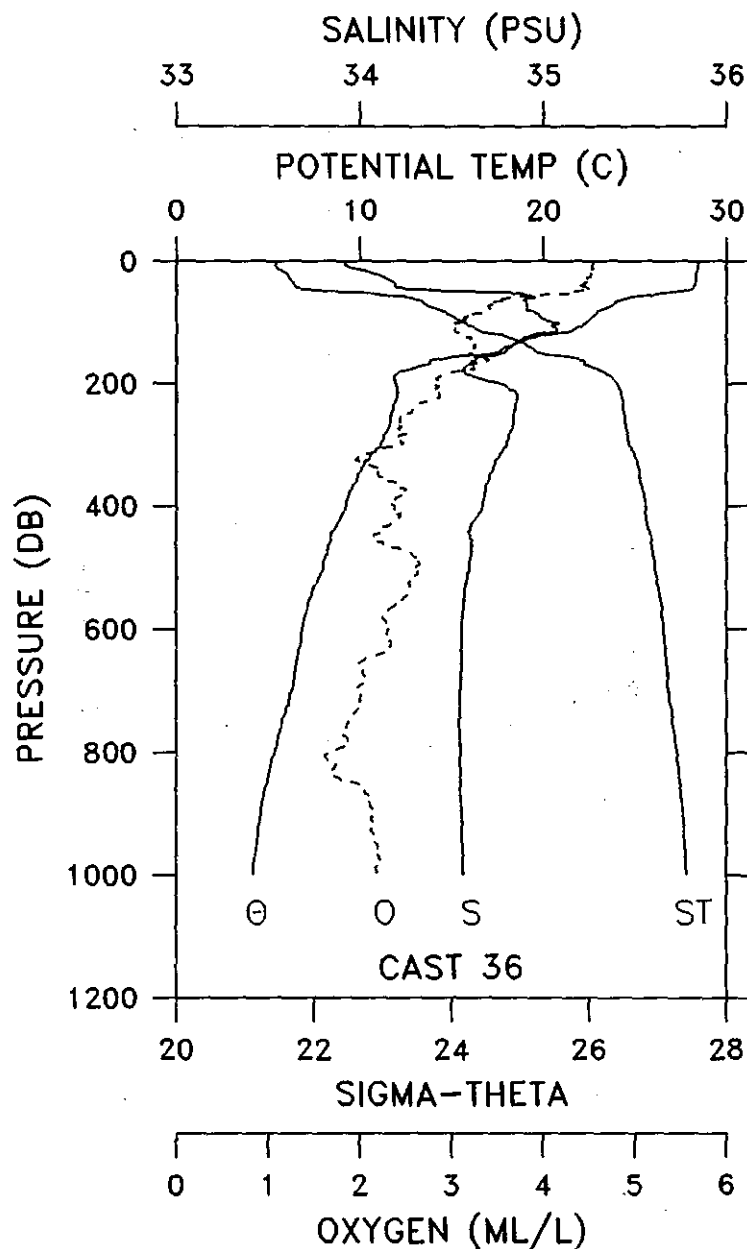
CAST TW3-87-OC-035 DATE 25 JUL 87 TIME 1022 GMT
 LAT 02 02.7N LONG 165 02.7E WEATHER 1 SEA STATE 1
 BAROMETER 13 WIND DIR 150 T SPD 04 KT VISIBILITY 7
 CLOUD 1 AMOUNT 5 DRY 26.7 WET 25.0 DEPTH 4100 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.660	33.887	4.32	21.344	0.000
10	28.618	33.914	4.48	21.378	0.064
20	28.582	33.921	4.53	21.395	0.128
30	28.567	34.024	4.23	21.477	0.192
40	28.152	34.567	4.34	22.022	0.254
50	27.458	34.802	4.16	22.424	0.309
60	26.555	34.826	4.08	22.730	0.362
70	24.918	34.912	3.67	23.301	0.410
80	24.132	34.932	3.30	23.553	0.455
90	22.936	35.045	3.24	23.988	0.497
100	22.325	35.039	3.03	24.157	0.535
110	20.702	35.073	3.07	24.632	0.571
120	20.271	35.162	3.06	24.815	0.603
130	18.877	35.046	3.15	25.089	0.634
140	17.732	34.930	3.24	25.286	0.663
150	17.281	34.925	3.21	25.390	0.689
160	16.354	34.937	3.24	25.618	0.715
170	15.294	34.841	3.24	25.785	0.738
180	14.231	34.689	3.28	25.898	0.760
190	12.302	34.637	3.14	26.250	0.781
200	12.158	34.721	2.86	26.343	0.798
250	12.161	34.870	2.88	26.458	0.881
300	10.950	34.781	2.43	26.614	0.959
350	10.270	34.735	2.19	26.699	1.031
400	9.323	34.670	2.50	26.808	1.099
450	8.626	34.630	2.55	26.888	1.163
500	8.150	34.605	2.57	26.942	1.224
550	7.646	34.582	2.47	26.998	1.283
600	7.076	34.562	2.32	27.064	1.339
650	6.445	34.548	2.15	27.138	1.391
700	6.026	34.544	1.97	27.189	1.441
750	5.670	34.543	2.00	27.233	1.488
800	5.394	34.545	1.95	27.268	1.534
900	4.749	34.550	2.17	27.348	1.620
1000	4.340	34.561	2.17	27.401	1.700
1298	3.548	34.583	2.09	27.500	1.918

CAST TW3-87-OC-036 DATE 25 JUL 87 TIME 1641 GMT
LAT 02 59.9N LONG 164 59.9E



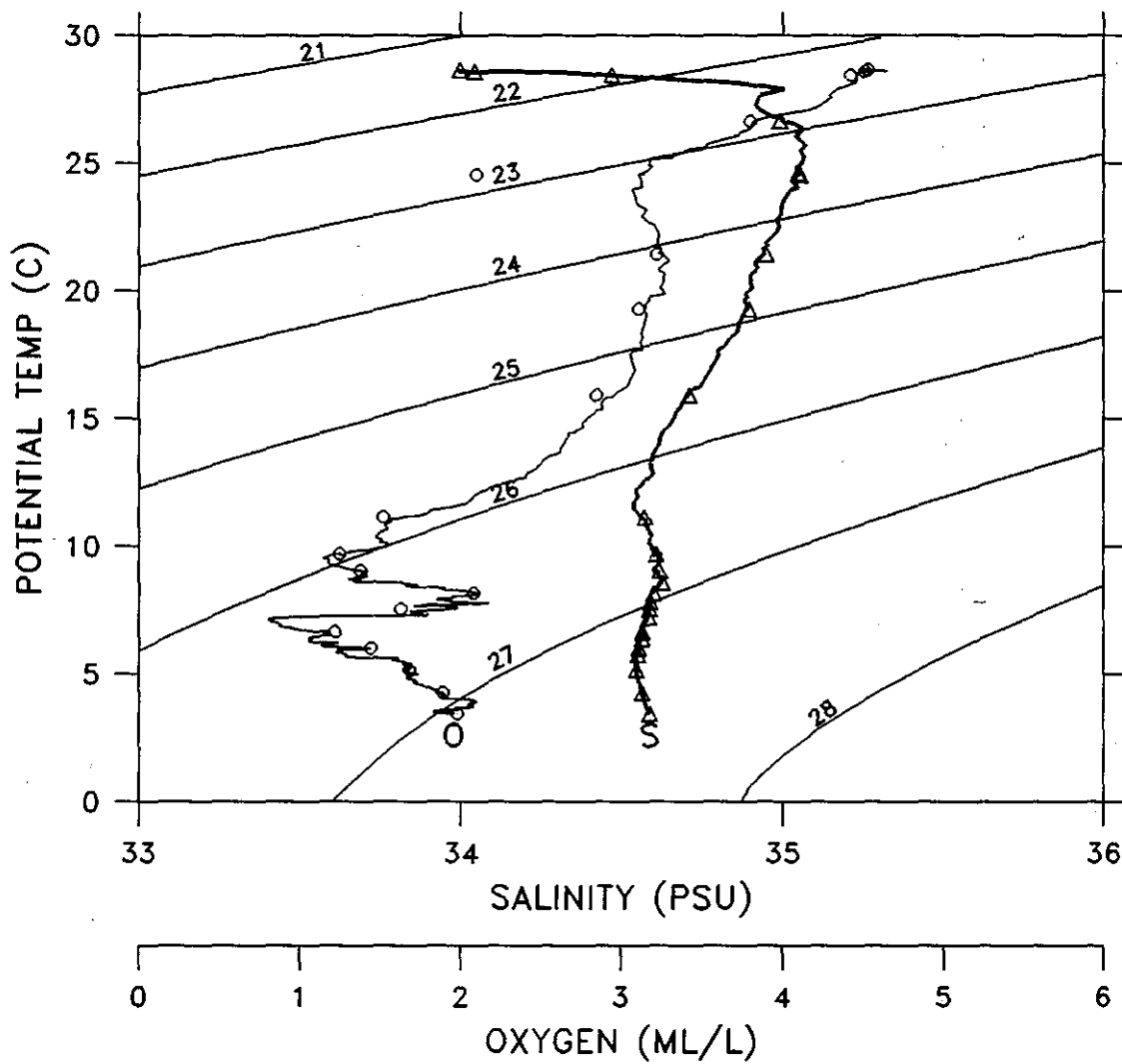
CAST TW3-87-OC-036 DATE 25 JUL 87 TIME 1641 GMT
 LAT 02 59.9N LONG 164 59.9E WEATHER 0 SEA STATE 1
 BAROMETER 12 WIND DIR 180 T SPD 06 KT VISIBILITY 9
 CLOUD X AMOUNT 0 DRY 26.5 WET 24.5 DEPTH 4260 M

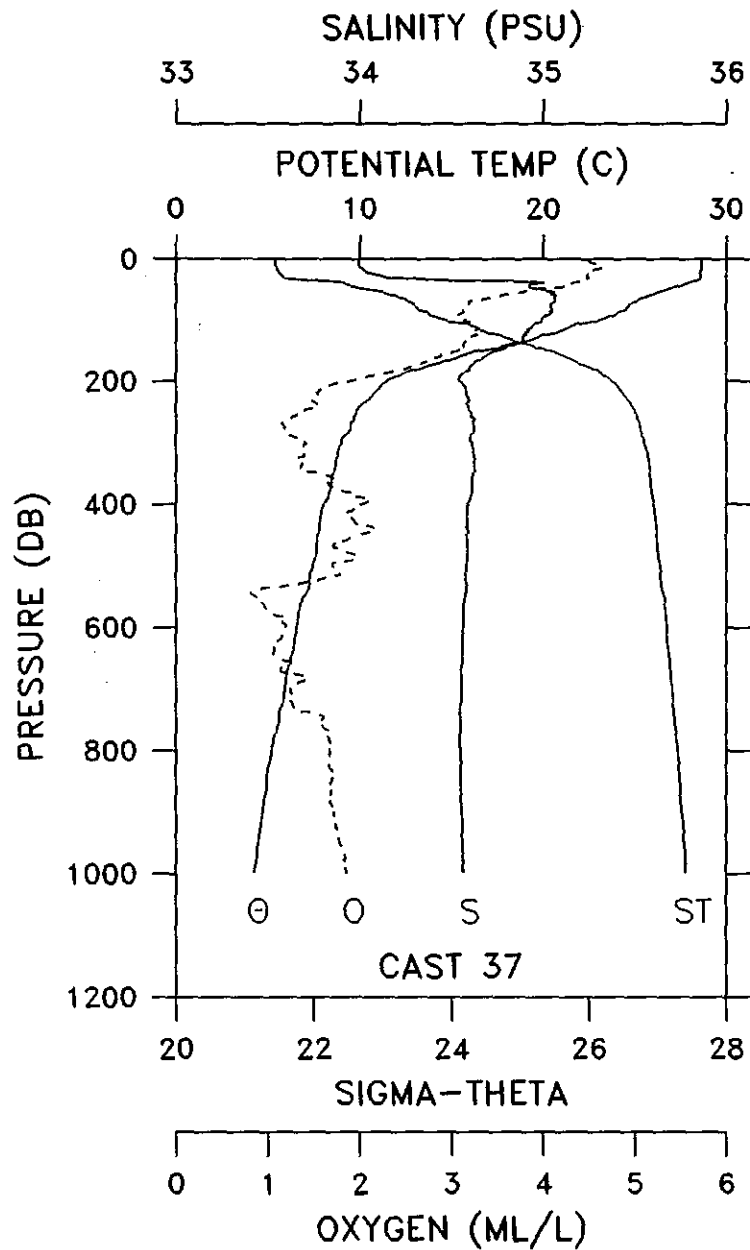


PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.441	33.918	4.53	21.439	0.000
10	28.460	33.949	4.54	21.457	0.063
20	28.342	34.078	4.52	21.592	0.126
30	28.338	34.158	4.50	21.653	0.188
40	28.242	34.191	4.43	21.709	0.249
50	27.116	34.708	4.29	22.463	0.309
60	24.659	34.960	3.64	23.416	0.357
70	23.901	34.909	3.47	23.604	0.401
80	23.173	34.905	3.39	23.813	0.443
90	22.715	34.975	3.22	23.998	0.483
100	22.340	35.049	3.13	24.161	0.522
110	21.747	35.068	3.04	24.342	0.559
120	19.951	34.940	3.10	24.730	0.594
130	18.832	34.869	3.25	24.965	0.626
140	17.993	34.819	3.26	25.136	0.655
150	17.425	34.789	3.17	25.252	0.683
160	14.270	34.629	3.38	25.844	0.708
170	13.499	34.589	3.27	25.974	0.729
180	12.260	34.563	3.04	26.201	0.749
190	11.886	34.648	2.84	26.338	0.767
200	11.960	34.758	2.82	26.409	0.783
250	11.729	34.841	2.47	26.517	0.864
300	11.160	34.801	2.43	26.592	0.941
350	9.902	34.709	2.21	26.742	1.012
400	9.230	34.669	2.38	26.822	1.079
450	8.371	34.597	2.16	26.902	1.143
500	7.982	34.596	2.64	26.959	1.203
550	7.297	34.569	2.48	27.038	1.260
600	6.862	34.556	2.31	27.088	1.314
650	6.581	34.556	2.03	27.127	1.367
700	6.290	34.551	1.97	27.161	1.418
750	5.767	34.543	1.88	27.221	1.466
800	5.345	34.549	1.65	27.277	1.512
900	4.594	34.555	2.11	27.369	1.596
1000	4.176	34.565	2.19	27.422	1.674
1297	3.427	34.588	2.09	27.516	1.883

CAST TW3-87-OC-037 DATE 25 JUL 87 TIME 2317 GMT

LAT 04 00.8N LONG 165 00.4E

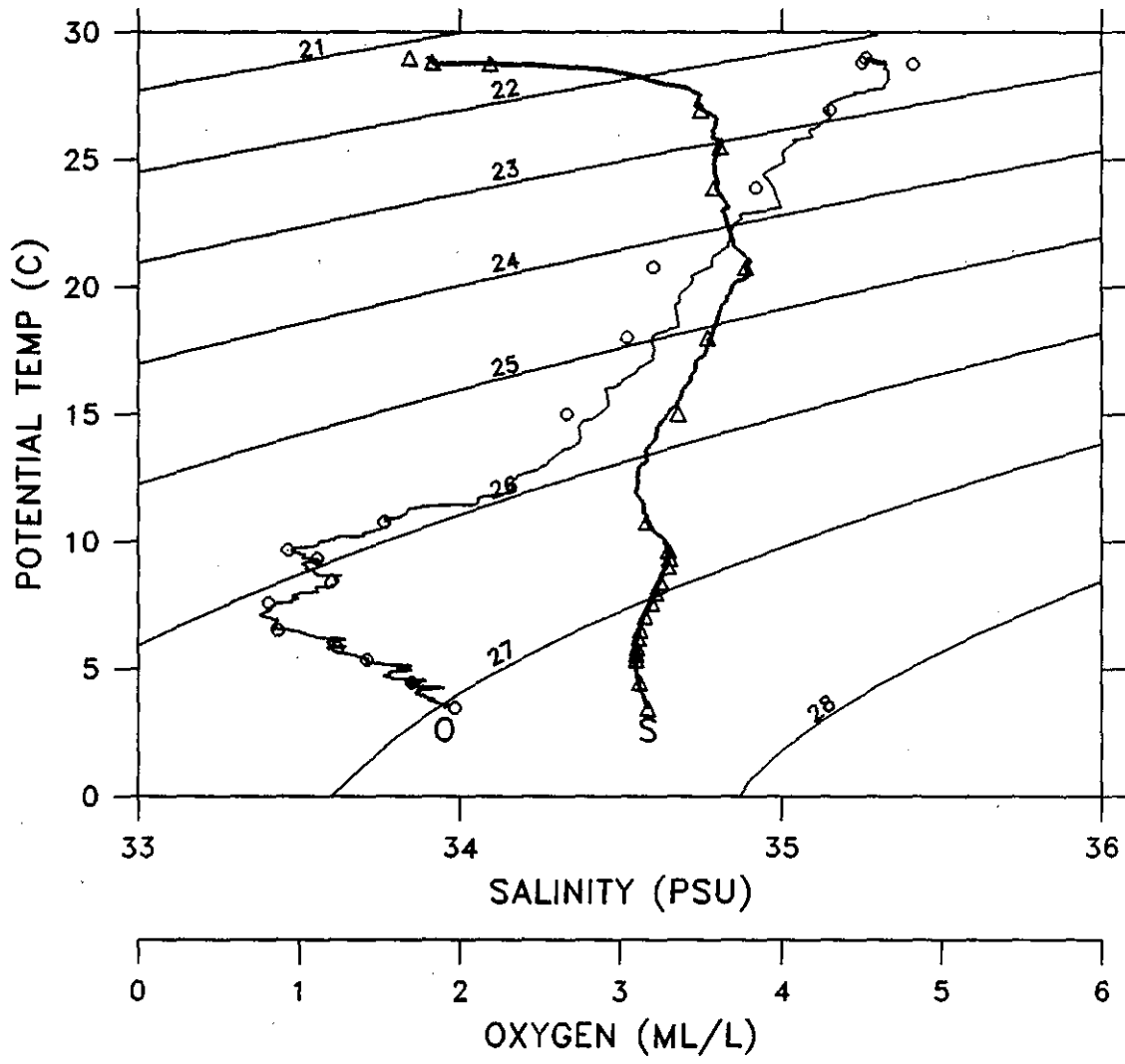




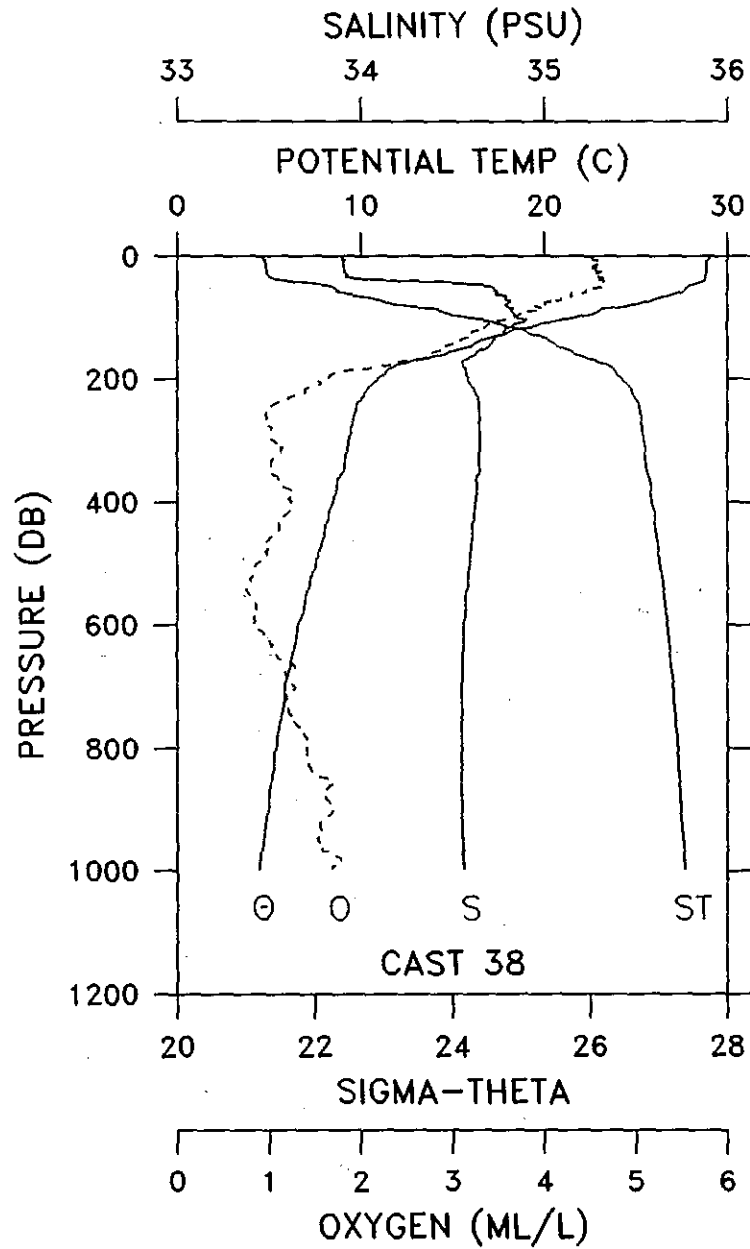
CAST TW3-87-OC-037 DATE 25 JUL 87 TIME 2317 GMT
 LAT 04 00.8N LONG 165 00.4E WEATHER 1 SEA STATE 2
 BAROMETER 14 WIND DIR 040 T SPD 04 KT VISIBILITY 8
 CLOUD 1 AMOUNT 2 DRY 29.8 WET 26.0 DEPTH 4509 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.651	33.994	4.50	21.427	0.000
10	28.612	33.993	4.59	21.439	0.064
20	28.587	34.026	4.56	21.473	0.127
30	28.603	34.157	4.50	21.565	0.190
40	27.890	35.002	4.33	22.434	0.248
50	26.800	34.998	3.92	22.782	0.301
60	25.721	35.068	3.53	23.173	0.350
70	25.108	35.058	3.18	23.354	0.396
80	24.573	35.044	3.14	23.506	0.441
90	24.006	35.034	3.09	23.667	0.484
100	23.058	34.994	3.15	23.913	0.526
110	21.567	34.939	3.24	24.294	0.564
120	20.682	34.900	3.27	24.505	0.600
130	19.513	34.882	3.16	24.800	0.633
140	18.184	34.839	3.14	25.105	0.663
150	16.591	34.760	3.06	25.427	0.691
160	15.335	34.673	2.87	25.646	0.716
170	14.424	34.625	2.67	25.809	0.739
180	13.283	34.591	2.51	26.020	0.760
190	12.198	34.547	2.16	26.200	0.779
200	11.444	34.542	1.86	26.338	0.797
250	9.839	34.603	1.38	26.670	0.874
300	9.040	34.613	1.41	26.809	0.942
350	8.581	34.622	1.59	26.889	1.004
400	8.059	34.590	2.00	26.943	1.064
450	7.712	34.586	1.96	26.992	1.122
500	7.419	34.582	1.70	27.031	1.179
550	6.947	34.574	0.87	27.091	1.233
600	6.543	34.563	1.18	27.137	1.285
650	6.233	34.556	1.11	27.172	1.335
700	5.920	34.554	1.25	27.211	1.383
750	5.599	34.546	1.59	27.244	1.429
800	5.215	34.548	1.66	27.292	1.474
900	4.726	34.555	1.70	27.354	1.558
1000	4.278	34.564	1.88	27.411	1.637
1299	3.453	34.588	1.96	27.513	1.850

CAST TW3-87-OC-038 DATE 26 JUL 87 TIME 0641 GMT
LAT 05 00.4N LONG 165 00.3E

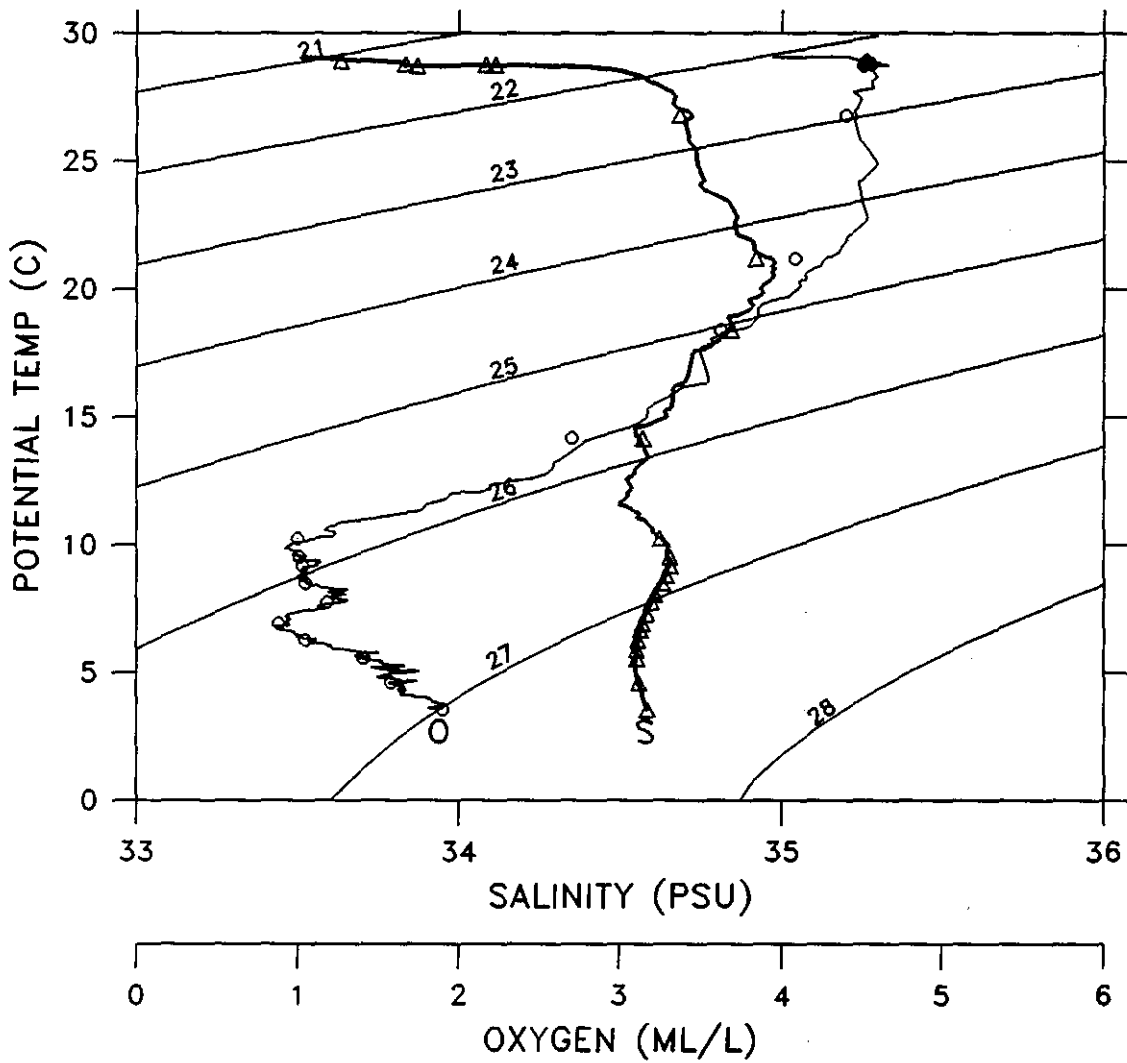


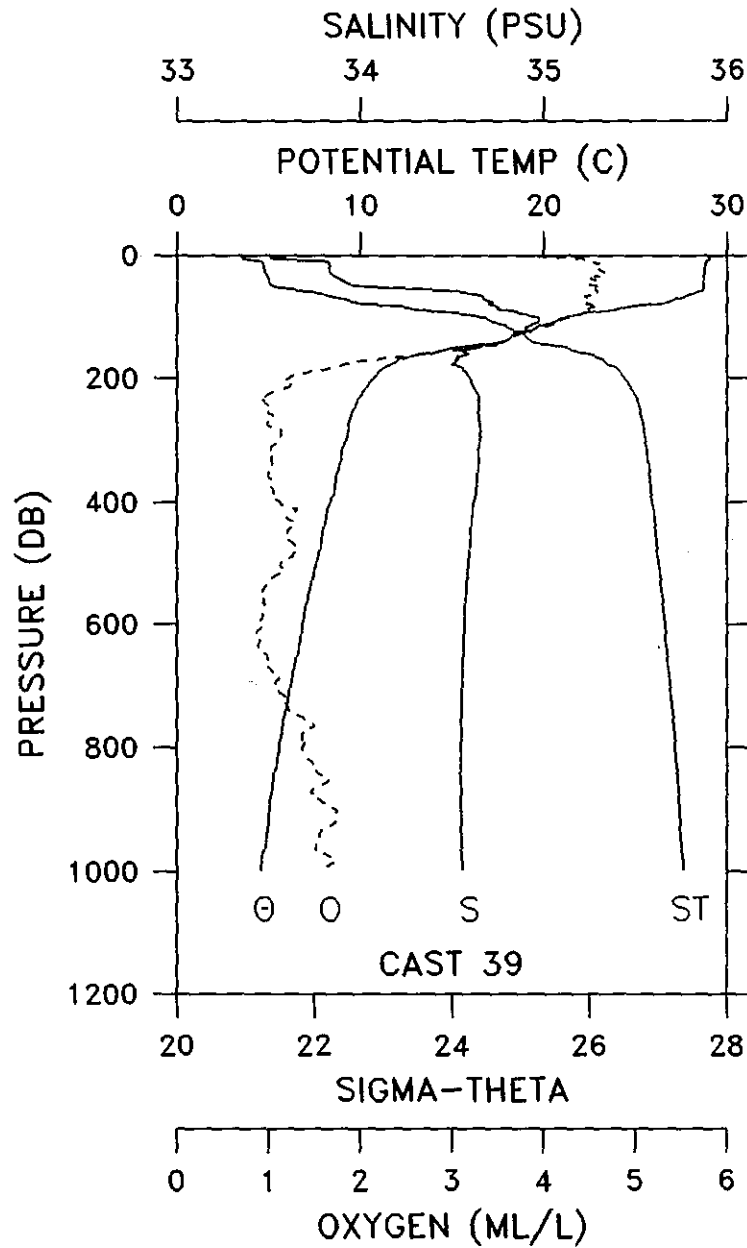
CAST TW3-87-OC-038 DATE 26 JUL 87 TIME 0641 GMT
 LAT 05 00.4N LONG 165 00.3E WEATHER 1 SEA STATE 1
 BAROMETER 12 WIND DIR 000 T SPD 04 KT VISIBILITY 9
 CLOUD 1 AMOUNT 6 DRY 28.2 WET 24.8 DEPTH 4779 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.983	33.897	4.52	21.244	0.000
10	28.884	33.908	4.57	21.285	0.065
20	28.854	33.909	4.53	21.296	0.130
30	28.834	33.925	4.58	21.315	0.195
40	28.743	34.175	4.65	21.532	0.259
50	27.779	34.714	4.63	22.254	0.318
60	27.394	34.743	4.37	22.400	0.374
70	26.020	34.790	4.18	22.871	0.426
80	24.756	34.790	3.97	23.258	0.474
90	22.929	34.818	3.82	23.818	0.518
100	21.600	34.851	3.67	24.218	0.557
110	19.932	34.844	3.41	24.662	0.592
120	18.320	34.789	3.30	25.032	0.624
130	17.302	34.758	3.20	25.257	0.652
140	16.350	34.718	3.02	25.451	0.679
150	15.538	34.678	2.93	25.605	0.704
160	14.581	34.623	2.76	25.773	0.727
170	12.927	34.560	2.50	26.067	0.748
180	11.785	34.559	2.15	26.288	0.767
190	11.345	34.573	1.74	26.381	0.784
200	10.909	34.581	1.59	26.466	0.801
250	9.719	34.646	0.96	26.723	0.874
300	9.350	34.648	1.05	26.786	0.941
350	9.079	34.648	1.03	26.830	1.006
400	8.487	34.626	1.24	26.906	1.068
450	8.020	34.609	1.09	26.964	1.127
500	7.572	34.595	0.87	27.019	1.184
550	7.058	34.575	0.78	27.076	1.239
600	6.611	34.563	0.82	27.127	1.291
650	6.267	34.558	1.10	27.169	1.342
700	5.880	34.552	1.28	27.214	1.390
750	5.638	34.549	1.27	27.241	1.437
800	5.365	34.549	1.41	27.275	1.482
900	4.968	34.551	1.69	27.323	1.569
1000	4.474	34.561	1.69	27.386	1.651
1300	3.475	34.586	1.91	27.510	1.871

CAST TW3-87-OC-039 DATE 26 JUL 87 TIME 1249 GMT
LAT 05 59.7N LONG 164 58.4E

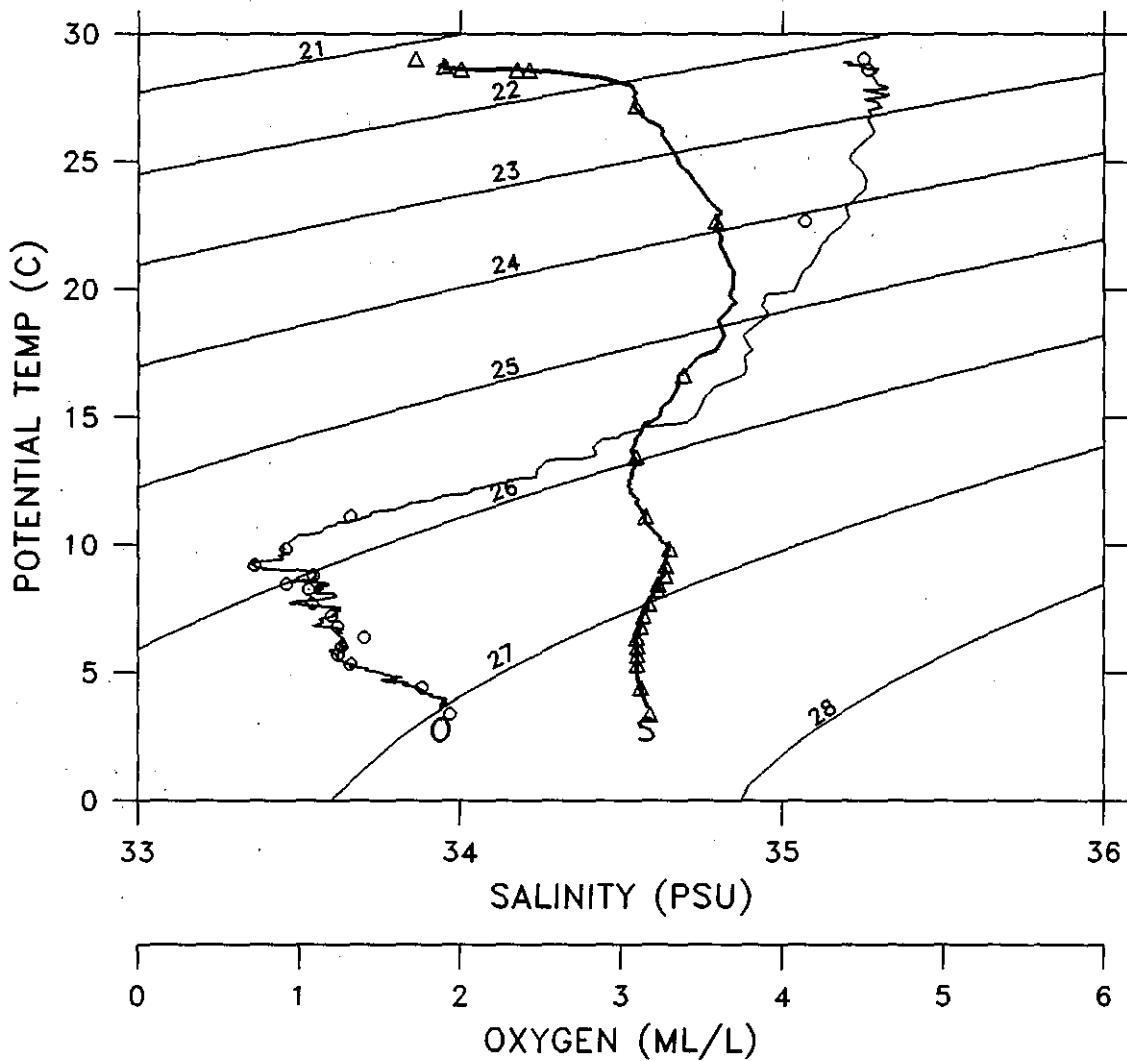




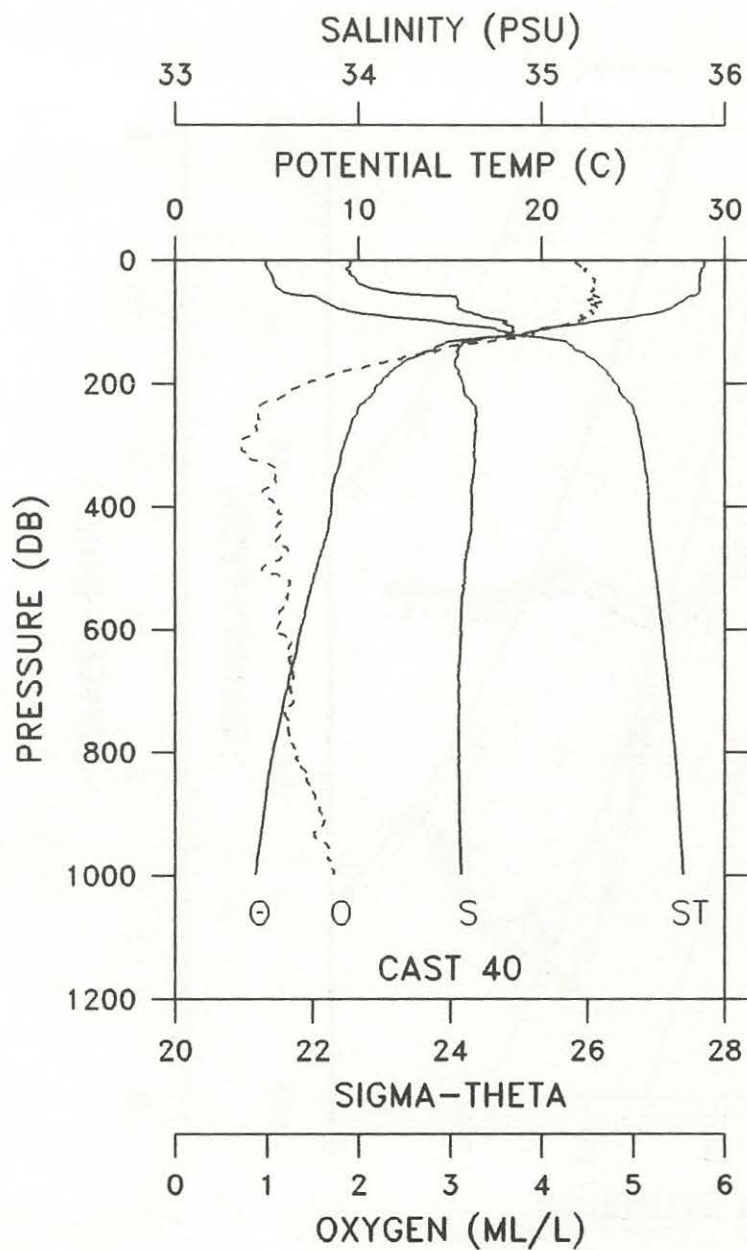
CAST TW3-87-OC-039 DATE 26 JUL 87 TIME 1249 GMT
 LAT 05 59.7N LONG 164 58.4E WEATHER 1 SEA STATE 2
 BAROMETER 14 WIND DIR 263 T SPD 06 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 26.7 WET 24.9 DEPTH 5010 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.049	33.506	3.94	20.929	0.000
10	28.861	33.828	4.51	21.232	0.067
20	28.787	33.825	4.58	21.255	0.133
30	28.734	33.841	4.64	21.285	0.198
40	28.720	33.892	4.55	21.328	0.263
50	28.744	34.011	4.57	21.409	0.328
60	28.314	34.567	4.60	21.969	0.389
70	27.389	34.664	4.50	22.342	0.446
80	25.965	34.711	4.48	22.828	0.499
90	23.750	34.781	4.49	23.551	0.546
100	21.277	34.942	4.31	24.375	0.585
110	20.407	34.968	4.15	24.631	0.619
120	19.428	34.903	3.89	24.839	0.652
130	18.388	34.825	3.72	25.043	0.682
140	17.867	34.786	3.58	25.142	0.711
150	15.354	34.658	3.17	25.631	0.738
160	13.721	34.577	2.72	25.919	0.761
170	12.088	34.528	2.15	26.206	0.780
180	11.548	34.515	1.79	26.298	0.799
190	10.988	34.575	1.44	26.447	0.815
200	10.744	34.595	1.23	26.506	0.831
250	9.626	34.644	0.96	26.737	0.903
300	9.207	34.652	1.12	26.813	0.969
350	8.772	34.642	1.00	26.874	1.032
400	8.380	34.624	1.13	26.921	1.093
450	7.953	34.602	1.19	26.969	1.152
500	7.603	34.591	1.13	27.012	1.210
550	7.205	34.578	0.93	27.058	1.265
600	6.852	34.568	0.95	27.099	1.319
650	6.572	34.563	0.98	27.133	1.371
700	6.212	34.556	1.07	27.175	1.421
750	5.840	34.550	1.34	27.218	1.469
800	5.593	34.549	1.38	27.248	1.516
900	5.059	34.550	1.75	27.311	1.605
1000	4.598	34.559	1.60	27.372	1.689
1297	3.549	34.585	1.88	27.502	1.909

CAST TW3-87-0C-040 DATE 26 JUL 87 TIME 1824 GMT
LAT 07 00.2N LONG 165 00.2E

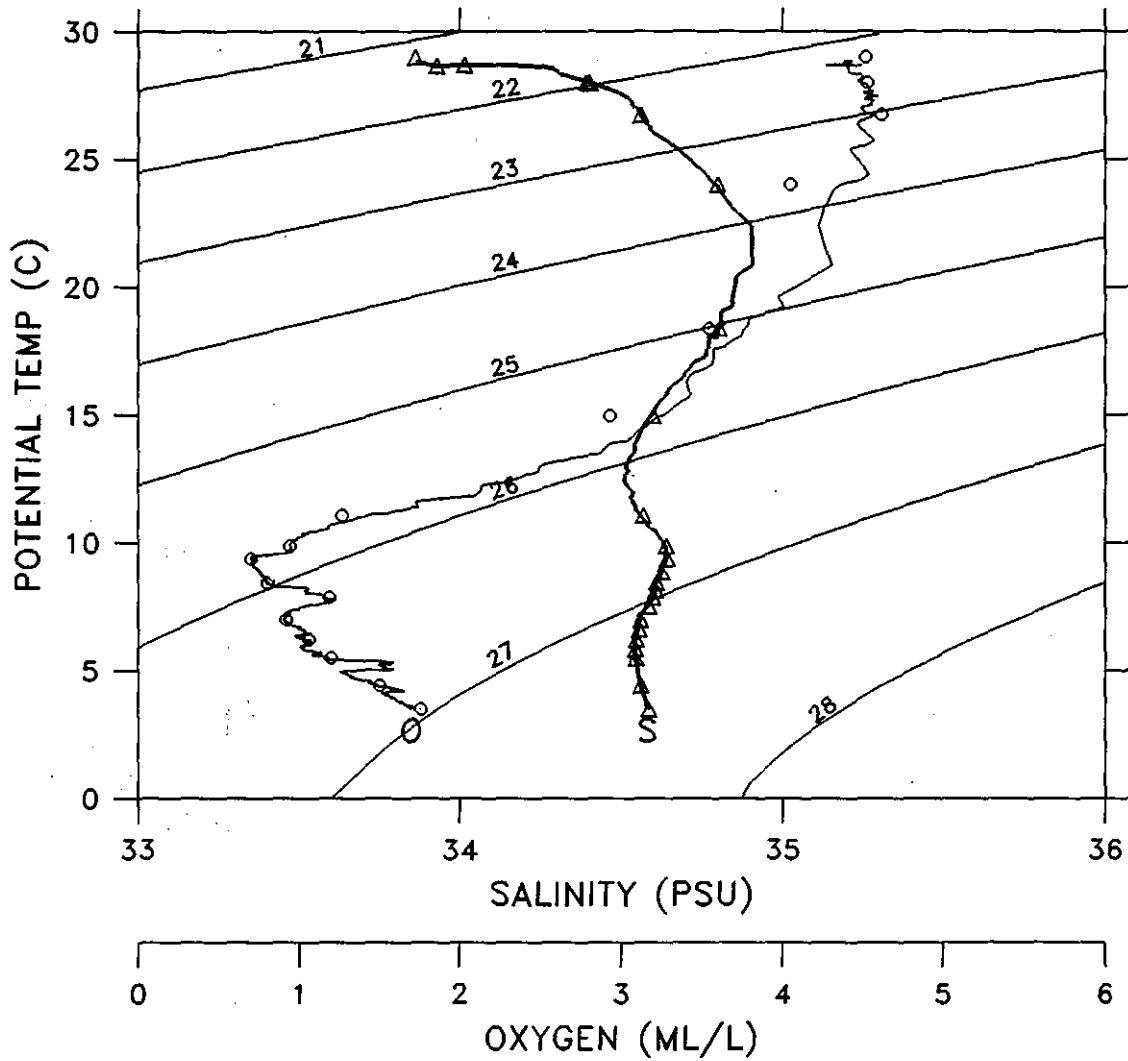


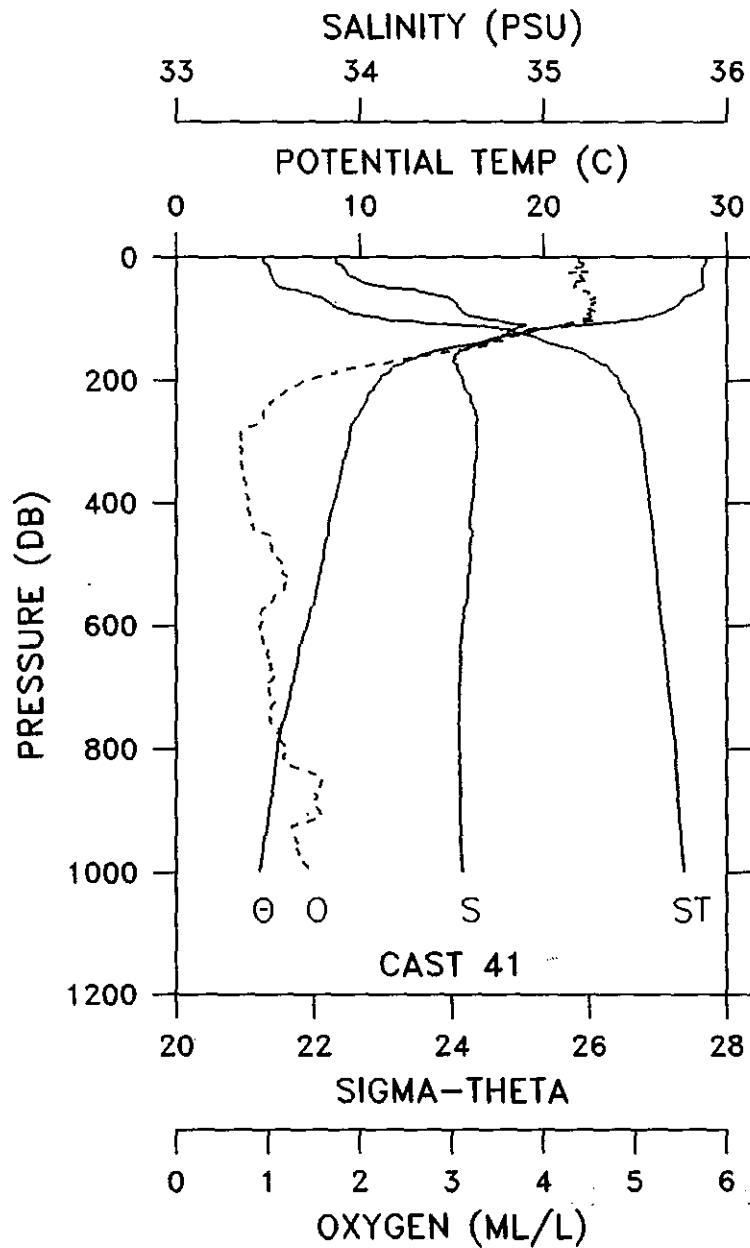
CAST TW3-87-OC-040 DATE 26 JUL 87 TIME 1824 GMT
 LAT 07 00.2N LONG 165 00.2E WEATHER 1 SEA STATE 1
 BAROMETER 12 WIND DIR 060 T SPD 06 KT VISIBILITY 9
 CLOUD 6 AMOUNT 4 DRY 26.9 WET 25.0 DEPTH 5160 M



PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.889	33.957	4.38	21.320	0.000
10	28.843	33.948	4.43	21.329	0.065
20	28.680	33.952	4.50	21.386	0.129
30	28.635	33.986	4.57	21.427	0.193
40	28.620	34.023	4.57	21.459	0.257
50	28.626	34.152	4.53	21.554	0.320
60	27.979	34.532	4.63	22.052	0.380
70	27.424	34.546	4.50	22.242	0.438
80	26.817	34.563	4.55	22.449	0.493
90	25.266	34.665	4.42	23.009	0.545
100	22.570	34.801	4.38	23.907	0.590
110	20.006	34.845	4.08	24.644	0.627
120	18.885	34.807	3.89	24.904	0.659
130	15.391	34.625	3.49	25.597	0.686
140	14.230	34.546	2.99	25.789	0.709
150	13.447	34.537	2.81	25.945	0.731
160	12.660	34.532	2.47	26.098	0.752
170	12.262	34.525	2.15	26.171	0.771
180	11.752	34.550	1.83	26.287	0.789
190	11.407	34.560	1.61	26.359	0.807
200	11.133	34.569	1.44	26.417	0.823
250	9.900	34.644	0.91	26.691	0.899
300	9.217	34.635	0.70	26.798	0.966
350	8.740	34.628	1.10	26.869	1.030
400	8.521	34.620	1.11	26.896	1.092
450	8.215	34.608	1.13	26.934	1.152
500	7.709	34.582	0.95	26.989	1.211
550	7.254	34.565	1.23	27.041	1.267
600	6.840	34.556	1.10	27.091	1.322
650	6.478	34.553	1.25	27.137	1.373
700	6.044	34.544	1.25	27.187	1.423
750	5.714	34.547	1.24	27.231	1.471
800	5.350	34.548	1.30	27.276	1.516
900	4.840	34.552	1.60	27.338	1.602
1000	4.392	34.560	1.73	27.395	1.683
1226	3.624	34.581	1.88	27.491	1.849

CAST TW3-87-OC-041 DATE 26 JUL 87 TIME 2344 GMT
LAT 08 00.3N LONG 164 59.6E

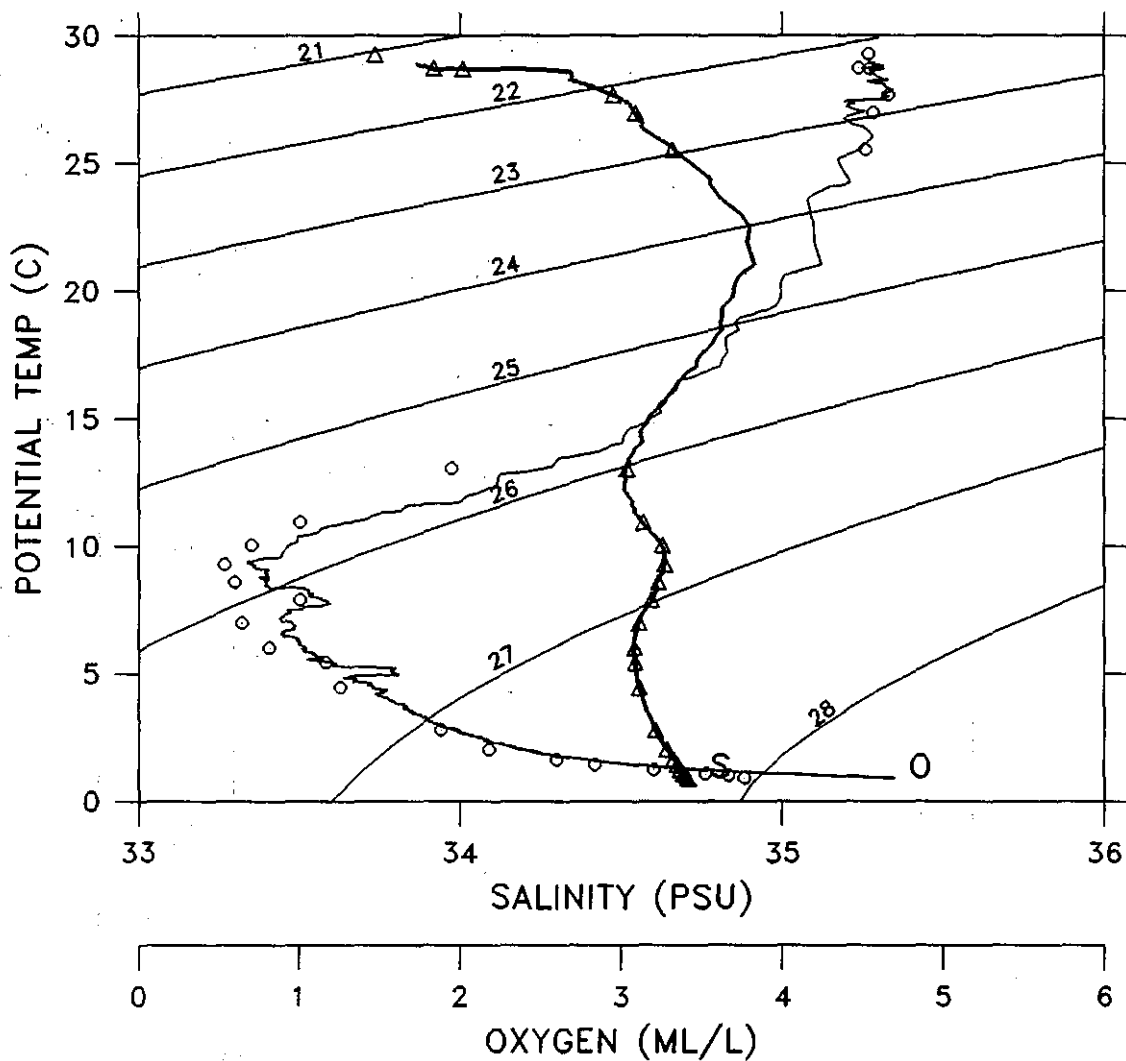


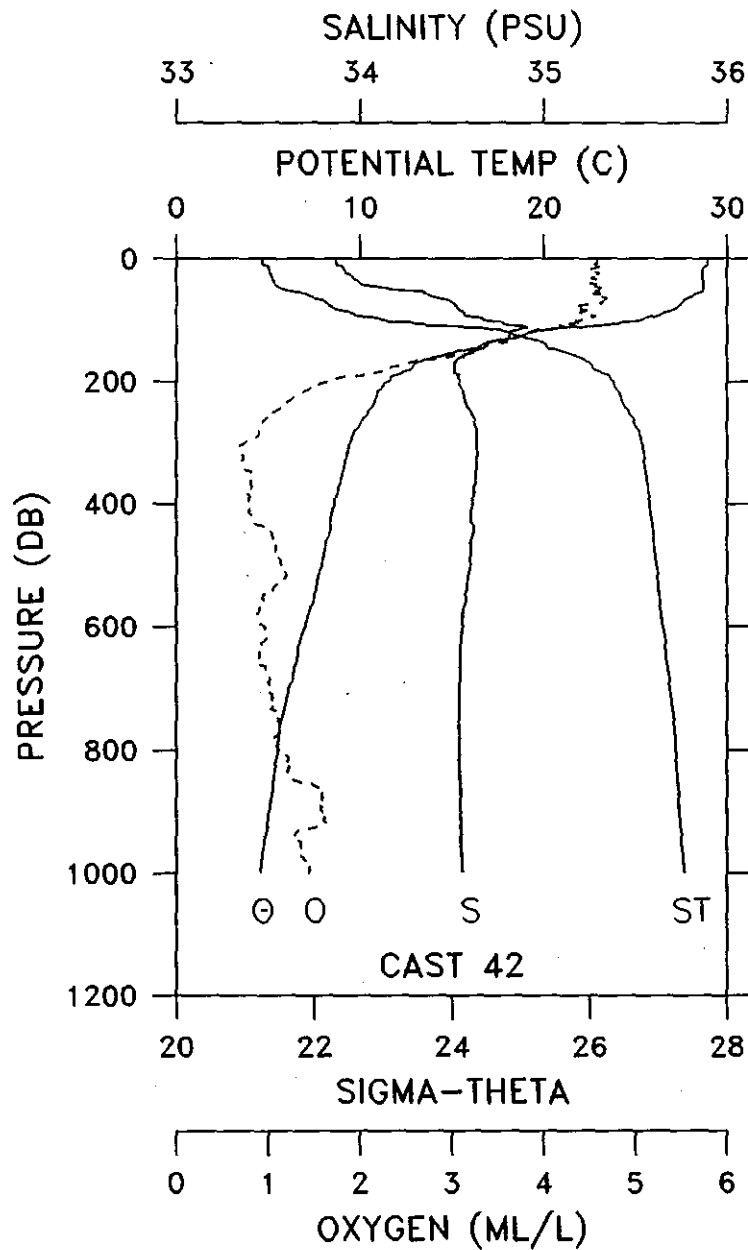


CAST TW3-87-OC-041 DATE 26 JUL 87 TIME 2344 GMT
 LAT 08 00.3N LONG 164 59.6E WEATHER 1 SEA STATE 4
 BAROMETER 14 WIND DIR 075 T SPD 06 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 28.9 WET 26.0 DEPTH 5202 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.853	33.867	4.39	21.265	0.000
10	28.830	33.867	4.44	21.273	0.065
20	28.677	33.921	4.34	21.364	0.130
30	28.679	33.950	4.41	21.385	0.194
40	28.688	34.009	4.34	21.427	0.258
50	28.679	34.210	4.39	21.580	0.321
60	28.042	34.398	4.47	21.930	0.382
70	27.558	34.501	4.54	22.165	0.440
80	27.229	34.531	4.56	22.294	0.496
90	26.498	34.573	4.50	22.557	0.550
100	25.317	34.678	4.43	23.003	0.601
110	21.630	34.903	4.27	24.249	0.645
120	18.909	34.805	3.88	24.897	0.678
130	17.576	34.759	3.56	25.193	0.707
140	16.099	34.650	3.41	25.457	0.734
150	14.397	34.561	3.11	25.764	0.758
160	13.234	34.522	2.65	25.976	0.780
170	12.431	34.511	2.32	26.127	0.800
180	11.720	34.531	1.87	26.278	0.818
190	11.299	34.544	1.66	26.367	0.836
200	11.042	34.560	1.42	26.425	0.852
250	10.018	34.628	0.95	26.658	0.929
300	9.410	34.638	0.70	26.768	0.997
350	9.003	34.625	0.74	26.825	1.062
400	8.617	34.613	0.80	26.876	1.126
450	8.260	34.611	0.97	26.929	1.187
500	7.923	34.598	1.15	26.970	1.246
550	7.580	34.586	1.07	27.011	1.304
600	7.125	34.559	0.91	27.054	1.360
650	6.675	34.550	1.01	27.109	1.413
700	6.289	34.542	1.00	27.154	1.464
750	5.903	34.541	1.01	27.202	1.514
800	5.499	34.541	1.16	27.253	1.561
900	5.067	34.548	1.57	27.309	1.650
1000	4.516	34.557	1.43	27.379	1.733
1296	3.507	34.584	1.70	27.505	1.951

CAST TW3-87-0C-042 DATE 27 JUL 87 TIME 0338 GMT
LAT 08 03.1N LONG 164 56.5E





CAST TW3-87-OC-042 DATE 27 JUL 87 TIME 0338 GMT
 LAT 08 03.1N LONG 164 56.5E WEATHER 1 SEA STATE 1
 BAROMETER 12 WIND DIR 050 T SPD 06 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 31.1 WET 25.8 DEPTH 5214 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.914	33.868	4.58	21.245	0.000
10	28.905	33.867	4.55	21.248	0.065
20	28.689	33.917	4.56	21.357	0.130
30	28.690	33.961	4.57	21.389	0.194
40	28.696	33.999	4.50	21.416	0.258
50	28.693	34.189	4.59	21.559	0.322
60	28.122	34.381	4.60	21.892	0.383
70	27.622	34.486	4.66	22.133	0.441
80	27.301	34.528	4.43	22.268	0.497
90	26.417	34.566	4.49	22.577	0.552
100	25.305	34.684	4.40	23.011	0.603
110	22.480	34.897	4.20	24.006	0.648
120	19.201	34.812	3.86	24.827	0.682
130	18.167	34.792	3.65	25.073	0.712
140	16.623	34.691	3.44	25.367	0.740
150	15.617	34.624	3.28	25.546	0.766
160	13.948	34.551	2.94	25.852	0.789
170	13.052	34.513	2.52	26.006	0.810
180	12.793	34.510	2.24	26.055	0.830
190	11.710	34.534	1.99	26.282	0.849
200	11.417	34.542	1.64	26.343	0.867
250	10.421	34.603	1.04	26.570	0.948
300	9.443	34.633	0.74	26.759	1.018
350	9.048	34.632	0.81	26.822	1.084
400	8.613	34.613	0.80	26.876	1.147
450	8.293	34.613	1.05	26.926	1.209
500	7.902	34.598	1.15	26.973	1.268
550	7.509	34.573	0.95	27.010	1.325
600	7.024	34.560	0.94	27.069	1.381
650	6.599	34.546	0.91	27.116	1.434
700	6.126	34.538	1.01	27.172	1.484
750	5.724	34.539	1.11	27.224	1.532
800	5.511	34.541	1.15	27.251	1.579
900	5.045	34.549	1.59	27.313	1.668
1000	4.542	34.556	1.44	27.375	1.751
1500	2.831	34.606	1.94	27.586	2.101
2000	2.051	34.642	2.35	27.681	2.378
2500	1.673	34.663	2.74	27.727	2.621
3000	1.450	34.675	3.06	27.753	2.853
3500	1.263	34.686	3.43	27.775	3.077
4000	1.115	34.695	3.89	27.792	3.296
4500	1.019	34.702	4.30	27.805	3.512
5000	0.941	34.706	4.60	27.813	3.731
5102	0.931	34.707	4.66	27.815	3.776

Hydrographic Data

TW2-87-OC

TW3-87-OC

CAST TW2-87-OC-001 LAT 12 00.0S LONG 149 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.391	35.801	4.65	29.391	22.536
23.	29.373	35.801	4.64	29.367	22.544
48.	29.365	35.811	4.69	29.353	22.557
98.	26.760	36.246	4.72	26.738	23.743
134.	25.223	36.251	4.26	25.194	24.230
147.	25.080	36.250	4.15	25.048	24.273
196.	22.104	36.051	4.13	22.065	25.000
245.	17.345	35.368	3.39	17.304	25.725
296.	12.149	34.780	2.36	12.110	26.398
346.	10.420	34.704	2.09	10.379	26.656
396.	9.431	34.667	2.34	9.386	26.795
511.	7.985	34.598	2.49	7.933	26.968

CAST TW2-87-OC-003 LAT 12 00.1S LONG 151 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.682	35.841	0.00	29.682	22.468
48.	29.687	35.840	0.00	29.675	22.469
98.	26.976	36.099	0.00	26.953	23.563
138.	24.718	36.283	0.00	24.688	24.408
197.	21.670	35.989	0.00	21.631	25.074
346.	12.024	34.753	0.00	11.979	26.402
496.	7.505	34.554	0.00	7.456	27.003
744.	5.720	34.523	0.00	5.655	27.219
996.	4.572	34.526	0.00	4.492	27.357
1246.	3.668	34.557	0.00	3.575	27.477
1494.	2.971	34.584	0.00	2.864	27.565
1745.	2.496	34.615	0.00	2.374	27.633
1996.	2.153	34.642	0.00	2.015	27.684
2243.	1.964	34.657	0.00	1.807	27.712
2496.	1.857	34.668	0.00	1.680	27.730
2747.	1.773	34.676	0.00	1.574	27.745
2996.	1.693	34.681	0.00	1.472	27.756
3247.	1.610	34.688	0.00	1.367	27.769
3497.	1.561	34.690	0.00	1.294	27.776
3747.	1.484	34.695	0.00	1.193	27.787
3999.	1.422	34.698	0.00	1.105	27.796
4294.	1.354	34.704	0.00	1.007	27.807
4499.	1.300	34.706	0.00	0.931	27.814
4832.	1.289	34.709	0.00	0.882	27.819

CAST TW2-87-OC-002 LAT 11 59.7S LONG 149 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.370	35.696	4.61	29.370	22.465
97.	26.143	36.261	4.15	26.121	23.949
246.	18.614	35.486	3.48	18.571	25.503
495.	7.983	34.596	2.42	7.932	26.967
745.	5.668	34.528	2.39	5.604	27.229
994.	4.427	34.535	2.47	4.349	27.380
1195.	3.706	34.554	2.68	3.616	27.470
1395.	3.249	34.566	2.78	3.147	27.525
1594.	2.789	34.601	2.93	2.676	27.596
1794.	2.437	34.621	3.16	2.312	27.643
1993.	2.199	34.639	3.27	2.060	27.678
2194.	2.008	34.656	3.28	1.855	27.707
2392.	1.881	34.666	3.35	1.713	27.726
2595.	1.822	34.672	3.34	1.636	27.737
2796.	1.755	34.678	3.22	1.552	27.748
2999.	1.699	34.682	3.50	1.478	27.757
3197.	1.648	34.683	3.59	1.409	27.762
3401.	1.593	34.677	3.67	1.335	27.763
3567.	1.554	34.691	3.73	1.280	27.778
3797.	1.490	34.697	3.89	1.193	27.789
4000.	1.437	34.698	3.99	1.120	27.795
4546.	1.347	34.706	4.36	0.971	27.811
4806.	1.303	34.710	4.39	0.898	27.819

CAST TW2-87-OC-004 LAT 12 00.1S LONG 151 59.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.901	35.872	4.65	29.901	22.416
72.	29.420	35.866	4.63	29.402	22.581
138.	24.286	36.197	3.79	24.256	24.473
198.	20.658	35.847	3.87	20.620	25.243
347.	11.101	34.698	2.20	11.058	26.530
495.	7.768	34.583	2.57	7.718	26.988
746.	5.711	34.527	2.36	5.646	27.223
992.	4.680	34.527	2.44	4.600	27.346
1244.	3.724	34.558	2.65	3.630	27.472
1494.	3.043	34.585	2.90	2.935	27.560
1744.	2.522	34.612	3.16	2.400	27.628
1997.	2.175	34.639	3.28	2.036	27.680
2244.	1.993	34.659	3.35	1.836	27.711
2493.	1.879	34.668	3.37	1.702	27.729
2745.	1.784	34.677	3.41	1.585	27.745
2999.	1.713	34.681	3.48	1.492	27.755
3240.	1.643	34.686	3.60	1.399	27.765
3499.	1.562	34.691	3.83	1.294	27.777
3753.	1.481	34.694	3.99	1.189	27.787
3998.	1.414	34.699	4.15	1.098	27.797
4249.	1.353	34.703	4.17	1.011	27.806
4499.	1.307	34.707	4.30	0.938	27.814
4751.	1.287	34.709	4.43	0.889	27.819
5052.	1.299	34.711	4.45	0.865	27.822

CAST TW2-87-OC-005 LAT 11 59.0S LONG 152 58.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
27.	29.613	35.718	4.62	29.606	22.401
58.	29.427	35.767	4.67	29.413	22.504
87.	27.240	36.171	4.47	27.220	23.531
119.	25.687	36.251	4.15	25.660	24.085
147.	24.045	36.233	3.93	24.014	24.573
178.	22.811	36.135	3.86	22.775	24.861
207.	21.163	35.889	3.79	21.123	25.139
237.	18.534	35.509	3.55	18.492	25.540
296.	14.173	34.964	2.97	14.130	26.133
371.	10.565	34.689	2.12	10.520	26.619
445.	8.289	34.602	2.41	8.243	26.925
545.	6.994	34.558	2.48	6.942	27.079
644.	6.225	34.537	2.33	6.167	27.166
794.	5.402	34.523	2.36	5.335	27.258
995.	4.510	34.530	2.45	4.431	27.367
1494.	3.066	34.583	2.93	2.958	27.556
1994.	2.255	34.633	3.23	2.115	27.668
2495.	1.906	34.655	3.34	1.728	27.716
2997.	1.721	34.680	3.48	1.500	27.753
3502.	1.582	34.688	3.72	1.314	27.773
4002.	1.447	34.698	4.02	1.129	27.794
5002.	1.296	34.710	4.51	0.868	27.821
5386.	1.326	34.712	4.48	0.850	27.824

CAST TW2-87-OC-007 LAT 11 59.5S LONG 154 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
97.	27.300	36.181	4.54	27.277	23.520
146.	24.455	36.240	3.90	24.424	24.455
198.	21.857	36.006	3.82	21.818	25.035
377.	9.834	34.655	2.29	9.790	26.718
520.	7.194	34.558	2.66	7.144	27.051
747.	5.699	34.524	2.43	5.634	27.222
995.	4.560	34.527	2.46	4.480	27.359
1244.	3.681	34.554	2.72	3.588	27.473
1492.	3.070	34.582	3.25	2.962	27.555
1742.	2.487	34.613	3.20	2.365	27.632
1996.	2.159	34.640	3.32	2.020	27.682
2245.	1.987	34.656	3.30	1.830	27.709
2496.	1.870	34.669	3.33	1.692	27.730
2749.	1.794	34.675	3.38	1.595	27.742
2996.	1.727	34.680	3.46	1.506	27.753
3247.	1.644	34.685	3.58	1.400	27.765
3499.	1.572	34.689	3.74	1.304	27.775
3749.	1.490	34.694	3.87	1.198	27.786
3998.	1.436	34.698	3.99	1.119	27.795
4502.	1.324	34.706	4.18	0.954	27.812
4900.	1.295	34.709	4.42	0.880	27.819
5427.	1.322	34.710	4.50	0.841	27.823

CAST TW2-87-OC-006 LAT 11 59.0S LONG 153 59.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.497	35.619	4.42	29.497	22.364
118.	25.706	36.225	4.16	25.680	24.060
397.	9.365	34.640	2.26	9.321	26.785
599.	6.660	34.547	2.48	6.604	27.116
997.	4.563	34.528	2.49	4.483	27.359
1243.	3.653	34.558	2.77	3.560	27.479
1494.	3.042	34.581	3.02	2.934	27.557
1744.	2.549	34.611	3.20	2.426	27.625
1994.	2.180	34.640	3.32	2.041	27.680
2193.	2.014	34.652	3.38	1.861	27.704
2395.	1.926	34.662	3.37	1.756	27.720
2596.	1.850	34.670	3.39	1.664	27.733
2794.	1.781	34.679	3.41	1.578	27.747
2996.	1.730	34.681	3.48	1.508	27.754
3199.	1.663	34.685	3.58	1.423	27.763
3396.	1.592	34.688	3.75	1.334	27.772
3594.	1.531	34.691	3.86	1.254	27.780
3796.	1.473	34.696	3.93	1.177	27.789
3998.	1.423	34.698	4.07	1.106	27.796
4247.	1.370	34.702	4.12	1.027	27.804
4496.	1.341	34.704	4.25	0.971	27.809
4749.	1.310	34.707	4.36	0.912	27.816
5472.	1.331	34.712	4.49	0.844	27.824
5541.	1.340	34.711	4.52	0.844	27.823

CAST TW2-87-OC-008 LAT 11 59.7S LONG 156 00.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.426	35.462	4.39	29.426	22.270
29.	29.370	35.453	4.40	29.363	22.285
56.	29.110	35.863	4.58	29.096	22.682
89.	26.683	36.217	4.34	26.663	23.745
117.	24.984	36.250	3.97	24.958	24.301
148.	23.399	36.190	3.80	23.368	24.731
177.	22.346	36.051	3.76	22.310	24.930
207.	20.664	35.824	3.75	20.625	25.225
236.	19.216	35.590	3.64	19.173	25.429
295.	13.323	34.891	2.92	13.282	26.252
371.	10.494	34.687	2.16	10.449	26.630
446.	8.555	34.629	2.27	8.508	26.906
544.	6.906	34.553	2.53	6.855	27.087
646.	6.091	34.531	2.40	6.033	27.178
797.	5.397	34.519	2.43	5.329	27.255
994.	4.560	34.525	2.53	4.481	27.357
1495.	2.959	34.586	2.96	2.852	27.568
1994.	2.228	34.635	3.28	2.089	27.672
2496.	1.875	34.666	3.34	1.697	27.728
2996.	1.712	34.681	3.45	1.491	27.755
3497.	1.544	34.689	3.79	1.277	27.777
3998.	1.436	34.696	4.00	1.119	27.793
4501.	1.322	34.704	4.27	0.952	27.811
5179.	1.304	34.709	4.44	0.854	27.821

CAST TW2-87-OC-009 LAT 12 00.3S LONG 157 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	29.270	35.292	4.41	29.270	22.195
137.	24.645	36.240	3.88	24.615	24.397
414.	9.040	34.583	2.53	8.995	26.793
546.	6.712	34.523	3.01	6.661	27.089
995.	4.473	34.528	2.56	4.394	27.369
1247.	3.528	34.558	2.88	3.436	27.491
1497.	2.890	34.588	3.08	2.784	27.576
1744.	2.461	34.613	3.27	2.339	27.634
1997.	2.149	34.641	3.34	2.010	27.683
2196.	2.017	34.652	3.39	1.863	27.704
2396.	1.927	34.661	3.36	1.757	27.719
2596.	1.835	34.671	3.42	1.649	27.735
2797.	1.771	34.678	3.50	1.568	27.747
2997.	1.699	34.681	3.52	1.478	27.756
3198.	1.646	34.683	3.60	1.407	27.763
3400.	1.586	34.687	3.76	1.328	27.771
3601.	1.508	34.691	3.91	1.231	27.781
3799.	1.466	34.694	0.00	1.169	27.788
3998.	1.410	34.698	4.11	1.094	27.796
4251.	1.362	34.701	4.21	1.019	27.804
4495.	1.317	34.706	4.33	0.948	27.813
4752.	1.290	34.708	4.44	0.892	27.818
4802.	1.284	34.708	4.45	0.880	27.819
4853.	1.283	34.708	4.47	0.873	27.819

CAST TW2-87-OC-011 LAT 12 00.0S LONG 158 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.106	35.261	4.60	29.106	22.227
28.	29.119	35.261	4.64	29.112	22.225
60.	29.084	35.786	4.81	29.069	22.633
88.	28.315	36.011	4.79	28.294	23.061
117.	26.663	36.130	4.17	26.636	23.687
147.	24.670	36.223	3.88	24.638	24.378
179.	23.010	36.114	3.86	22.973	24.788
207.	21.323	35.897	3.85	21.283	25.101
236.	19.150	35.599	3.82	19.108	25.453
299.	14.451	34.986	3.38	14.407	26.091
373.	10.338	34.691	2.28	10.294	26.661
444.	8.279	34.588	2.72	8.233	26.916
543.	7.026	34.549	2.68	6.974	27.067
645.	6.120	34.517	2.76	6.062	27.163
797.	5.373	34.506	2.74	5.306	27.248
995.	4.551	34.530*	0.00	4.471*	27.362*
1495.	2.919	34.584	3.06	2.812	27.570
1989.	2.160	34.635	3.35	2.022	27.678
2999.	1.708	34.679	3.51	1.487	27.754
2998.	1.707	34.678	3.51	1.486	27.753
3999.	1.421	34.695	4.06	1.104	27.793
4500.	1.316	34.704	4.34	0.947	27.811
4799.	1.270	34.707	4.48	0.867	27.819
5323.	1.280	34.709	4.56	0.813	27.824

CAST TW2-87-OC-010 LAT 12 00.7S LONG 158 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	29.169	35.190	4.43	29.168	22.153
49.	29.404	35.789	4.68	29.392	22.527
97.	26.944	36.162	4.34	26.922	23.620
138.	25.002	36.204	3.94	24.972	24.262
193.	22.235	36.056	3.86	22.196	24.967
397.	9.403	34.619	2.54	9.358	26.762
498.	7.519	34.541	3.00	7.470	26.991
597.	6.389	34.514	2.98	6.335	27.126
995.	4.448	34.524	2.74	4.369	27.369
1246.	3.526	34.555	2.94	3.434	27.489
1498.	2.880	34.590	3.06	2.774	27.578
1742.	2.446	34.614	3.29	2.325	27.636
1992.	2.173	34.637	3.39	2.035	27.678
2244.	2.003	34.653	3.41	1.846	27.706
2495.	1.880	34.665	3.39	1.702	27.726
2746.	1.791	34.675	3.42	1.592	27.743
2996.	1.716	34.679	3.51	1.495	27.753
3245.	1.640	34.684	3.62	1.396	27.764
3509.	1.536	34.690	3.87	1.268	27.778
3748.	1.470	34.693	4.01	1.179	27.787
3999.	1.419	34.697	4.05	1.102	27.795
4494.	1.315	34.705	4.33	0.946	27.812
4898.	1.263	34.709	4.52	0.849	27.821
5253.	1.292	34.711	4.54	0.834	27.824

CAST TW2-87-OC-012 LAT 12 01.1S LONG 159 59.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.090	34.963	4.49	29.090	22.009
146.	24.207	36.221	3.71	24.176	24.515
397.	9.608	34.658	2.32	9.563	26.759
535.	7.330	34.568	2.63	7.278	27.040
996.	4.411	34.523	2.80	4.332	27.372
1247.	3.743	34.552	2.75	3.649	27.466
1496.	3.044	34.582	3.06	2.936	27.557
1744.	2.617	34.608	3.23	2.493	27.617
1996.	2.180	34.637	3.34	2.041	27.678
2195.	2.028	34.652	3.37	1.874	27.703
2344.	1.936	34.661	3.49	1.771	27.718
2495.	1.863	34.665	3.44	1.686	27.728
2649.	1.815	34.671	3.49	1.625	27.737
2799.	1.762	34.675	3.48	1.559	27.745
2998.	1.710	34.680	3.53	1.489	27.754
3252.	1.664	34.681	3.63	1.419	27.760
3499.	1.570	34.688	3.81	1.302	27.774
3814.	1.494	34.691	4.08	1.195	27.784
3998.	1.452	34.696	4.07	1.134	27.792
4248.	1.373	34.700	4.28	1.030	27.802
4499.	1.266	34.707	4.42	0.898	27.817
4699.	1.207	34.710	4.64	0.818	27.824
4859.	1.218	34.711	4.57	0.810	27.826
4935.	1.223	34.711	4.58	0.806	27.826

* Calculated from CTD values

CAST TW2-87-OC-013 LAT 12 00.8S LONG 160 24.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	29.151	35.014	4.49	29.151	22.026
42.	29.143	35.017	4.49	29.133	22.035
47.	29.146	35.018	4.50	29.135	22.035
53.	29.148	35.021	4.50	29.135	22.037
56.	29.150	35.019	4.46	29.136	22.035
67.	29.148	35.660	4.65	29.132	22.518
96.	27.615	36.093	4.40	27.593	23.352
196.	21.646	35.933	3.88	21.608	25.038
344.	11.410	34.761	2.54	11.366	26.523
745.	5.695	34.524	2.46	5.630	27.223
995.	4.554	34.530	2.52	4.474	27.362
1496.	2.965	34.587	3.07	2.858	27.568
1996.	2.180	34.637	3.38	2.041	27.678
2497.	1.875	34.666	3.39	1.697	27.728
2997.	1.719	34.681	3.59	1.498	27.754
3399.	1.589	34.689	3.76	1.331	27.773
3799.	1.475	34.694	3.98	1.178	27.787
3974.	1.443	34.696	4.08	1.128	27.792
4251.	1.380	34.704	4.25	1.037	27.805
4497.	1.269	34.709	4.45	0.901	27.818
4798.	1.214	34.713	4.54	0.813	27.827
5322.	1.271	34.711	4.61	0.805	27.826
5418.	1.283	34.712	4.59	0.804	27.827
5492.	1.292	34.711	4.61	0.804	27.826

CAST TW2-87-OC-015 LAT 11 59.2S LONG 162 01.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
29.	28.976	35.119	4.76	28.969	22.166
59.	28.492	35.841	4.27	28.478	22.872
87.	26.571	36.150	4.36	26.551	23.730
117.	25.252	36.222	4.01	25.226	24.198
146.	23.804	36.226	3.84	23.773	24.639
178.	21.881	35.988	3.82	21.846	25.014
208.	20.545	35.831	3.74	20.506	25.262
236.	18.905	35.599	3.50	18.863	25.515
270.	17.103	35.308	3.17	17.058	25.738
298.	14.358	35.036	2.71	14.314	26.149
336.	12.506	34.878	2.37	12.461	26.406
370.	10.915	34.757	2.33	10.869	26.610
447.	8.593	34.626	2.61	8.545	26.897
546.	7.102	34.554	2.71	7.050	27.061
647.	6.210	34.532	2.51	6.152	27.164
796.	5.399	34.521	2.42	5.331	27.257
996.	4.533	34.532	2.45	4.454	27.366
1248.	3.623	34.559	2.70	3.530	27.483
1492.	2.988	34.585	3.00	2.881	27.565
1746.	2.482	34.616	3.21	2.360	27.635
1997.	2.146	34.640	3.31	2.008	27.683
2395.	1.884	34.664	3.38	1.715	27.725
2487.	1.848	34.668	3.41	1.672	27.731

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CAST TW2-87-OC-014 LAT 12 00.4S LONG 160 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.027	35.113	4.49	29.027	22.142
29.	28.979	35.132	4.44	28.972	22.175
58.	29.169	35.436	4.64	29.155	22.342
99.	26.947	36.146	4.25	26.924	23.608
148.	24.260	36.145	3.65	24.228	24.442
297.	14.880	35.043	3.08	14.835	26.042
396.	9.794	34.652	2.40	9.748	26.723
496.	7.540	34.563	2.84	7.491	27.006
594.	6.480	34.530	2.72	6.425	27.126
797.	5.273	34.512	2.66	5.206	27.264
995.	4.397	34.529	2.68	4.319	27.378
1186.	3.711	34.554	2.75	3.622	27.470
1394.	3.208	34.579	2.87	3.107	27.539
1594.	2.757	34.602	3.04	2.644	27.599
1793.	2.475	34.619	3.15	2.349	27.638
2001.	2.179	34.638	3.29	2.040	27.679
2001.	2.178	34.638	3.28	2.039	27.679
2230.	2.039	34.650	3.39	1.882	27.701

CAST TW2-87-OC-016 LAT 12 00.6S LONG 162 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.732	35.200	0.00	28.732	22.306
71.	28.804	35.534	0.00	28.787	22.539
129.	25.047	36.228	0.00	25.019	24.266
391.	10.444	34.738	0.00	10.397	26.679
548.	6.989	34.546	0.00	6.937	27.070
722.	5.722	34.519	0.00	5.659	27.215
998.	4.499	34.528	0.00	4.420	27.366
1233.	3.641	34.553	0.00	3.549	27.476
1438.	3.146	34.578	0.00	3.042	27.544
2002.	2.211	34.635	0.00	2.071	27.674
2494.	1.894	34.663	0.00	1.716	27.724
2914.	1.745	34.676	0.00	1.531	27.748

CAST TW2-87-OC-017 LAT 12 00.5S LONG 164 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.750	35.198	4.63	28.750	22.298
69.	28.751	35.215	4.58	28.734	22.316
146.	23.976	36.185	3.71	23.945	24.557
198.	21.291	35.883	3.68	21.253	25.098
297.	14.600	35.064	2.91	14.556	26.119
394.	9.181	34.619	0.00	9.137	26.798
497.	7.399	34.552	2.90	7.350	27.017
598.	6.435	34.528	2.74	6.380	27.131
698.	5.705	34.514	2.66	5.645	27.213
793.	5.354	34.519	2.42	5.287	27.260
996.	4.526	34.523	2.61	4.447	27.359
1248.	3.595	34.551	3.00	3.502	27.479
1492.	2.953	34.585	3.08	2.846	27.568
1746.	2.448	34.616	3.22	2.326	27.638
1995.	2.205	34.635	3.31	2.066	27.674
2243.	1.992	34.654	3.35	1.835	27.707
2546.	1.852	34.667	3.36	1.670	27.730
2746.	1.798	34.672	3.38	1.599	27.740
2998.	1.707	34.677	3.49	1.486	27.752
3250.	1.590	34.684	3.63	1.347	27.768
3491.	1.522	34.688	3.83	1.256	27.777
3593.	1.509	34.689	3.90	1.233	27.780

CAST TW2-87-OC-020 LAT 11 59.6S LONG 167 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.979	34.968	4.48	28.979	22.049
164.	23.341	36.086	3.58	23.307	24.670
370.	10.487	34.702	2.43	10.443	26.643
596.	6.514	34.531	2.64	6.459	27.123
994.	4.445	34.506	3.03	4.366	27.355
1243.	3.462	34.547	3.07	3.371	27.489
1489.	2.941	34.579	3.06	2.835	27.564
1742.	2.471	34.612	3.17	2.349	27.632
1995.	2.178	34.637	3.24	2.039	27.678
2244.	1.996	34.652	3.29	1.839	27.706
2499.	1.868	34.663	3.28	1.690	27.726
2747.	1.764	34.672	3.39	1.565	27.742
3000.	1.678	34.675	3.50	1.457	27.752
3246.	1.599	34.681	3.56	1.356	27.765
3498.	1.533	34.686	3.68	1.266	27.775
3751.	1.475	34.691	3.81	1.183	27.785
4002.	1.378	34.696	4.06	1.062	27.797
4248.	1.260	34.702	4.28	0.921	27.811
4502.	1.130	34.708	4.51	0.766	27.826
4750.	1.088	34.708	4.50	0.697	27.830
5003.	1.091	34.716	4.48	0.670	27.838
5198.	1.106	34.712	4.72	0.661	27.836
5570.	1.148	34.712	4.70	0.655	27.836
5619.	1.154	34.711	4.71	0.655	27.835

CAST TW2-87-OC-019 LAT 12 00.7S LONG 166 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
121.	26.659	36.115	4.20	26.631	23.678
387.	9.327	34.628	2.61	9.284	26.781
526.	6.644	34.522	0.00	6.595	27.097
996.	4.520	34.528	0.00	4.441	27.364
1247.	3.587	34.557	0.00	3.494	27.485
1494.	2.951	34.584	0.00	2.844	27.567
1746.	2.462	34.616	0.00	2.340	27.636
1994.	2.160	34.639	0.00	2.022	27.681
2194.	1.999	34.654	0.00	1.846	27.707
2344.	1.909	34.666	0.00	1.744	27.724
2496.	1.838	34.672	0.00	1.661	27.735
2646.	1.801	34.674	0.00	1.611	27.740
2798.	1.770	34.679	0.00	1.566	27.748
2994.	1.689	34.683	0.00	1.469	27.758
3246.	1.615	34.688	0.00	1.372	27.769
3499.	1.544	34.693	0.00	1.277	27.780
3750.	1.486	34.697	0.00	1.194	27.789
4007.	1.404	34.704	0.00	1.087	27.802
4300.	1.280	34.711	0.00	0.934	27.817
4602.	1.136	34.711	0.00	0.760	27.829
5001.	1.099	34.712*	0.00	0.678*	27.835*
5252.	1.118	34.715	0.00	0.666	27.838
5690.	1.164	34.712	0.00	0.655	27.836

CAST TW2-87-OC-021 LAT 11 59.7S LONG 167 59.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.699	35.100*	0.00	28.699*	22.242*
30.	28.721	35.099	4.67	28.714	22.236
59.	28.757	35.119	4.53	28.743	22.241
87.	27.835	35.905*	0.00	27.815*	23.138*
120.	25.996	36.066	3.81	25.969	23.849
146.	24.406	36.085*	0.00	24.375*	24.353*
176.	22.535	35.966*	0.00	22.499*	24.812*
207.	20.378	35.717	3.33	20.339	25.220
237.	17.019	35.295	3.26	16.980	25.747
268.	15.296	35.104	3.08	15.255	25.997
300.	13.439	34.916	2.79	13.397	26.248
336.	11.603	34.792	2.60	11.560	26.511
396.	9.617	34.644	2.80	9.572	26.746
497.	7.365	34.549	2.90	7.316	27.019
649.	5.946	34.508	2.88	5.889	27.178
796.	5.122	34.509	2.73	5.056	27.280
997.	4.314	34.514	3.02	4.236	27.375
1994.	2.152	34.640*	0.00	2.014*	27.682*
2509.	1.875	34.667*	0.00	1.696*	27.728*
2998.	1.696	34.680*	0.00	1.475*	27.755*
3500.	1.540	34.688	3.68	1.273	27.776
4042.	1.358	34.703*	0.00	1.038*	27.804*
4500.	1.143	34.709	4.53	0.779	27.826
5479.	1.131	34.711	4.70	0.650	27.836

* Calculated from CTD values

CAST TW2-87-OC-022 LAT 11 59.9S LONG 168 58.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
2.	28.665	34.949	0.00	28.665	22.140
157.	23.221	36.081	3.53	23.188	24.701
346.	10.533	34.734	0.00	10.491	26.660
593.	6.584	34.541	2.41	6.529	27.121
847.	4.943	34.508	2.54	4.874	27.300
995.	4.298	34.526	2.85	4.220	27.386
1236.	3.519	34.559	2.83	3.428	27.493
1493.	2.975	34.587	2.88	2.868	27.567
1746.	2.435	34.618	3.01	2.314	27.640
1996.	2.164	34.639	3.17	2.025	27.680
2244.	1.977	34.656	3.30	1.820	27.710
2500.	1.853	34.667	3.33	1.675	27.730
2745.	1.748	34.674	3.31	1.550	27.745
2999.	1.666	34.679	3.40	1.446	27.757
3249.	1.601	34.687	3.47	1.358	27.769
3500.	1.539	34.688	3.62	1.272	27.776
3749.	1.487	34.692	3.68	1.195	27.785
4000.	1.439	34.696	3.79	1.122	27.793
4199.	1.338	34.714	4.11	1.002	27.815
4397.	1.194	34.709*	0.00	0.840*	27.822*
4599.	1.105	34.713*	0.00	0.731*	27.832*
4800.	1.075	34.713*	0.00	0.679*	27.835*
4996.	1.077	34.714*	0.00	0.657*	27.838*
5302.	1.105	34.713	4.80	0.647	27.837

CAST TW2-87-OC-024 LAT 10 03.9S LONG 169 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.960	34.873	4.48	28.960	21.984
249.	15.127	35.124	2.48	15.089	26.049
497.	7.640	34.592	2.57	7.590	27.014
745.	5.584	34.506	2.99	5.520	27.222
994.	4.481	34.538	2.55	4.402	27.376
1497.	2.918	34.589	3.06	2.811	27.574
1996.	2.172	34.643	3.09	2.033	27.683
2497.	1.837	34.667	3.26	1.660	27.731
2998.	1.663	34.680	3.42	1.443	27.758
3246.	1.603	34.685	3.54	1.360	27.768
3498.	1.548	34.688	3.62	1.281	27.775
3738.	1.491	34.692	3.74	1.200	27.784
2997.	1.663	34.680	3.45	1.443	27.758
3237.	1.611	34.685	3.53	1.369	27.767
3498.	1.550	34.690	3.63	1.283	27.777
3767.	1.485	34.693	3.74	1.191	27.786
4000.	1.455	34.695*	3.92	1.137*	27.791*
4099.	1.423	34.697	3.89	1.095	27.795
4193.	1.380	34.700	3.97	1.043	27.801
4300.	1.290	34.706	4.21	0.944	27.813
4402.	1.192	34.710	4.43	0.837	27.823
4570.	1.067	34.713	4.66	0.697	27.834
4695.	1.072	34.713	4.65	0.688	27.835

CAST TW2-87-OC-023 LAT 10 04.4S LONG 168 44.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.040	34.768	4.63	29.040	21.879
51.	28.936	34.926*	0.00	28.924*	22.036*
96.	26.432	36.088*	0.00	26.410*	23.727*
148.	22.752	36.027*	0.00	22.722*	24.795*
200.	18.402	35.483*	0.00	18.367*	25.552*
495.	7.965	34.611*	2.43	7.914*	26.981*
993.	4.556	34.533	2.52	4.477	27.364
1193.	3.806	34.552	2.76	3.716	27.459
1394.	3.170	34.573	3.03	3.069	27.538
1593.	2.713	34.599	3.12	2.601	27.601
1795.	2.415	34.620	3.24	2.290	27.644
1997.	2.189	34.638	3.16	2.050	27.678
2187.	2.055	34.647	3.17	1.902	27.697
2396.	1.920	34.661	3.20	1.751	27.719
2595.	1.799	34.669	3.27	1.614	27.736
2794.	1.705	34.680	3.32	1.503	27.753
2999.	1.642	34.680	3.48	1.422	27.759
3200.	1.607	34.683	3.50	1.368	27.765
3395.	1.562	34.686	3.61	1.305	27.772
3599.	1.538	34.687	3.68	1.261	27.776
3799.	1.493	34.690	3.76	1.196	27.783
4127.	1.388	34.697	3.97	1.058	27.798

CAST TW2-87-OC-025 LAT 10 04.7S LONG 169 11.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.025	34.895	4.45	29.025	21.979
0.	29.023	34.895	4.51	29.023	21.980
48.	28.908	34.959	4.46	28.896	22.070
97.	26.662	36.037	3.92	26.640	23.616
149.	23.470	36.080	3.51	23.439	24.627
194.	20.089	35.707	3.35	20.053	25.288
497.	7.989	34.613	2.27	7.938	26.979
991.	4.565	34.532	2.52	4.486	27.362
1471.	3.038	34.580	3.02	2.932	27.556
1996.	2.176	34.640	3.13	2.037	27.680
2493.	1.844	34.665	3.22	1.667	27.729
2999.	1.666	34.679	3.44	1.446	27.757
3549.	1.552	34.687	3.65	1.279	27.775
3899.	1.457	34.693	3.84	1.150	27.789
3500.	1.553	34.686	3.63	1.285	27.774
3749.	1.502	34.691	3.75	1.210	27.783
4001.	1.411	34.700	3.96	1.094	27.798
4200.	1.303	34.709	4.31	0.968	27.814
4402.	1.172	34.711	4.51	0.818	27.825
4601.	1.066	34.712	4.65	0.693	27.834
4707.	1.060	34.713	4.67	0.675	27.836
4799.	1.059	34.713	4.68	0.663	27.836
4868.	1.063	34.711	4.68	0.659	27.835

* Calculated from CTD values

CAST TW2-87-OC-026 LAT 10 05.4S LONG 169 30.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.910	34.781	4.78	28.910	21.932
247.	15.204	35.130	2.56	15.166	26.036
494.	7.773	34.603	2.49	7.723	27.003
747.	5.854	34.532	2.37	5.788	27.210
993.	4.572	34.536	2.52	4.492	27.365
1240.	3.583	34.557	2.92	3.491	27.485
1493.	2.871	34.590	3.11	2.765	27.579
1745.	2.400	34.620	3.20	2.279	27.645
1993.	2.155	34.642	3.14	2.017	27.684
2245.	1.969	34.656	3.20	1.812	27.711
2498.	1.841	34.666	3.26	1.664	27.730
2746.	1.711	34.676	3.42	1.514	27.749
2997.	1.642	34.680	3.47	1.422	27.759
3246.	1.596	34.684	3.58	1.353	27.767
3497.	1.549	34.687	3.67	1.282	27.775
3748.	1.490	34.691	3.80	1.198	27.784
4002.	1.403	34.701	4.10	1.086	27.799
4199.	1.264	34.708	4.34	0.930	27.815
4396.	1.138	34.710	4.55	0.786	27.826
4600.	1.061	34.713	4.70	0.688	27.835
4803.	1.065	34.713	4.72	0.669	27.836
5001.	1.080	34.714	4.74	0.660	27.837
5321.	1.117	34.713	4.74	0.656	27.837

CAST TW2-87-OC-028 LAT 10 05.5S LONG 169 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.942	34.753	4.66	28.942	21.900
249.	14.461	35.059	2.36	14.424	26.143
496.	7.939	34.608	2.50	7.888	26.983
744.	5.774	34.510	2.96	5.709	27.202
994.	4.486	34.532	2.66	4.407	27.371
1241.	3.589	34.557	2.83	3.497	27.485
1490.	2.950	34.590	2.99	2.843	27.572
1744.	2.423	34.623	3.14	2.302	27.645
1995.	2.144	34.642	3.21	2.006	27.684
2244.	1.971	34.659	3.26	1.814	27.713
2497.	1.853	34.668	3.24	1.676	27.731
2742.	1.759	34.674	3.31	1.561	27.744
2998.	1.669	34.680	3.45	1.449	27.757
3238.	1.612	34.684	3.54	1.369	27.766
3497.	1.551	34.690	3.64	1.284	27.777
3748.	1.509	34.692	3.74	1.217	27.783
3997.	1.373	34.709	4.21	1.058	27.808
4194.	1.236	34.716	4.64	0.903	27.824
4400.	1.115	34.715	4.68	0.763	27.832
4599.	1.041	34.717	4.73	0.669	27.839
4800.	1.059	34.716	4.75	0.663	27.839
5000.	1.074	34.714	4.74	0.654	27.838
5228.	1.099	34.714	4.74	0.651	27.838

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CAST TW2-87-OC-027 LAT 10 05.4S LONG 169 44.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
50.	28.883	35.006	4.53	28.871	22.114
100.	26.884	35.932	3.97	26.861	23.466
148.	24.110	36.113	3.57	24.078	24.463
198.	18.633	35.511	3.14	18.598	25.515
300.	12.255	34.876	2.18	12.215	26.452
457.	9.178	34.683	2.09	9.127	26.850
497.	7.931	34.612	2.29	7.880	26.987
996.	4.600	34.529	2.59	4.520	27.356
1492.	3.006	34.585	2.99	2.899	27.563
1993.	2.188	34.638	3.19	2.049	27.678
2497.	1.828	34.667	3.26	1.651	27.732
2794.	1.748	34.673	3.38	1.545	27.744
2894.	1.685	34.676	3.46	1.474	27.752
2997.	1.652	34.678	3.48	1.432	27.757
3099.	1.628	34.681	3.52	1.399	27.762
3199.	1.610	34.682	3.53	1.371	27.764
3303.	1.593	34.683	3.56	1.344	27.767
3398.	1.572	34.685	3.64	1.314	27.771
3498.	1.552	34.685	3.63	1.285	27.773
3602.	1.537	34.687	3.69	1.259	27.776
3708.	1.522	34.687	0.00	1.234	27.778
3810.	1.509	34.689	0.00	1.210	27.781

CAST TW2-87-OC-029 LAT 10 05.2S LONG 170 15.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.070	34.758	4.59	29.070	21.861
48.	29.055	34.900	4.51	29.043	21.977
71.	28.768	35.604	4.42	28.751	22.603
97.	26.988	35.893	3.88	26.966	23.404
149.	23.382	36.068	3.53	23.351	24.643
196.	20.336	35.734	3.39	20.299	25.243
494.	8.048	34.620	2.18	7.997	26.976
993.	4.503	34.531	2.63	4.424	27.368
1495.	2.954	34.590	2.98	2.847	27.572
1994.	2.136	34.644	3.20	1.998	27.687
2494.	1.813	34.668	3.25	1.637	27.734
2993.	1.660	34.680	3.42	1.440	27.758
3244.	1.604	34.685	3.53	1.361	27.767
3498.	1.553	34.688	3.63	1.286	27.775
3748.	1.492	34.692	3.78	1.200	27.784
3996.	1.311	34.710	4.34	0.998	27.813
4200.	1.172	34.715	4.58	0.840	27.827
4400.	1.086	34.716	4.68	0.735	27.834
4605.	1.054	34.714	4.71	0.681	27.836
4801.	1.068	34.715	4.72	0.672	27.837
5001.	1.089	34.713	4.71	0.668	27.836
5101.	1.098	34.713	4.74	0.665	27.836
5127.	1.099	34.714	4.72	0.663	27.837

CAST TW2-87-OC-030 LAT 10 06.1S LONG 170 31.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
96.	26.586	35.945	4.01	26.564	23.571
247.	14.109	35.038	2.34	14.073	26.202
497.	7.513	34.590	2.49	7.464	27.031
744.	5.586	34.508	2.95	5.522	27.223
997.	4.484	34.529	2.71	4.405	27.369
1245.	3.674	34.551	2.92	3.581	27.472
1497.	2.911	34.589	3.05	2.804	27.575
1745.	2.431	34.619	3.18	2.310	27.641
1996.	2.156	34.642	3.26	2.017	27.684
2248.	1.968	34.657	3.26	1.811	27.712
2499.	1.834	34.668	3.32	1.657	27.732
2747.	1.737	34.674	3.39	1.539	27.746
2999.	1.648	34.681	3.47	1.428	27.759
3197.	1.614	34.683	3.54	1.375	27.765
3396.	1.571	34.687	3.61	1.314	27.772
3599.	1.531	34.690	3.70	1.254	27.779
3801.	1.458	34.694	3.91	1.162	27.789
3998.	1.334	34.709	4.29	1.020	27.810
4201.	1.167	34.716	4.64	0.835	27.828
4401.	1.080	34.715	4.70	0.729	27.834
4600.	1.089	34.715	4.72	0.715	27.835
4806.	1.095	34.715	4.73	0.697	27.836

CAST TW2-87-OC-032 LAT 12 30.2S LONG 170 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.245	34.806	4.68	28.245	22.171
39.	28.196	34.796	4.72	28.187	22.182
79.	27.584	35.703*	3.53	27.566*	23.067*
118.	25.936	35.832	3.66	25.910	23.691
159.	23.907	36.049	3.47	23.874	24.475
198.	20.923	35.776	3.33	20.885	25.118
235.	18.568	35.485	3.17	18.527	25.513
314.	13.189	34.922	2.71	13.145	26.304
397.	9.688	34.654	2.81	9.643	26.742
497.	7.409	34.539	3.20	7.360	27.005
993.	4.358	34.509	3.18	4.280	27.366
1995.	2.195	34.637	3.30	2.056	27.676
2492.	1.884	34.655	3.36	1.707	27.718
2989.	1.698	34.677	3.50	1.478	27.753
3237.	1.631	34.683	3.53	1.388	27.764
3499.	1.560	34.687	3.67	1.292	27.774
3749.	1.460	34.696	3.92	1.169	27.790
4000.	1.320	34.712	4.33	1.006	27.814
4199.	1.185	34.717	4.59	0.853	27.828
4400.	1.090	34.716	4.68	0.739	27.834
4701.	1.044	34.714	4.73	0.660	27.837
4901.	1.053	34.719	4.79	0.645	27.842
5072.	1.073	34.713	0.00	0.644	27.838

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CAST TW2-87-OC-031 LAT 10 07.1S LONG 170 41.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.993	34.779	4.80	28.993	21.903
49.	28.875	34.847	4.55	28.863	21.997
73.	27.483	35.899	4.20	27.466	23.247
97.	26.603	35.981	3.88	26.581	23.593
148.	22.958	36.028	3.53	22.928	24.736
198.	19.381	35.602	3.19	19.345	25.394
470.	8.366	34.631	2.47	8.317	26.936
994.	4.587	34.532	2.58	4.507	27.360
1491.	2.978	34.588	2.98	2.871	27.568
1995.	2.188	34.639	3.24	2.049	27.679
2244.	1.998	34.654	3.26	1.841	27.707
2500.	1.822	34.667	3.27	1.645	27.732
2746.	1.734	34.675	3.36	1.536	27.747
2996.	1.661	34.680	3.46	1.441	27.758
3196.	1.613	34.683	3.50	1.375	27.765
3395.	1.552	34.688	3.64	1.295	27.774
3598.	1.518	34.690	3.74	1.241	27.780
3797.	1.434	34.696	3.94	1.139	27.792
3998.	1.344	34.708	4.25	1.030	27.809
4182.	1.113	34.715	4.65	0.785	27.830
4397.	1.085	34.715	4.67	0.734	27.834
4597.	1.094	34.716	4.70	0.720	27.835
4769.	1.096	34.716	4.71	0.702	27.836

CAST TW2-87-OC-033 LAT 13 28.9S LONG 170 18.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.191	34.837	4.66	28.191	22.212
246.	19.137	35.565	3.39	19.093	25.431
491.	7.851	34.531	3.08	7.801	26.935
745.	5.164	34.489	3.22	5.102	27.258
994.	4.179	34.518	3.12	4.102	27.392
1247.	3.415	34.556	3.07	3.324	27.500
1491.	2.857	34.591	3.19	2.751	27.581
1746.	2.446	34.618	3.28	2.324	27.639
1992.	2.185	34.639	3.28	2.046	27.679
2194.	2.061	34.649	3.37	1.907	27.698
2394.	1.947	34.661	3.35	1.777	27.717
2592.	1.868	34.668	3.40	1.682	27.730
2796.	1.802	34.672	3.43	1.598	27.740
3000.	1.722	34.678	3.46	1.500	27.752
3196.	1.657	34.682	3.53	1.418	27.761
3396.	1.609	34.685	3.58	1.351	27.768
3597.	1.541	34.691	3.71	1.264	27.779
3796.	1.439	34.700	4.06	1.144	27.795
3998.	1.316	34.713	4.38	1.002	27.815
4199.	1.192	34.718	4.58	0.860	27.828
4391.	1.094	34.717	4.69	0.744	27.835
4603.	1.046	34.716	4.73	0.673	27.838
4896.	1.055	34.714	4.74	0.648	27.838

* Calculated from CTD values

CAST TW2-87-OC-034 LAT 14 00.5S LONG 170 28.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	27.767	34.742	4.64	27.767	22.279
49.	27.789	34.874	4.60	27.778	22.375
98.	25.514	35.783	4.42	25.492	23.784
198.	20.997	35.800	3.35	20.959	25.116
300.	15.247	35.119	3.05	15.201	26.020
399.	9.700	34.633	2.77	9.654	26.724
499.	7.360	34.509	3.21	7.311	26.989
599.	6.152	34.477	3.35	6.099	27.127
798.	4.960	34.491	3.17	4.895	27.284
996.	4.244	34.512	3.13	4.167	27.381
1245.	3.504	34.551	3.05	3.412	27.488
1497.	2.899	34.586	3.17	2.793	27.573
1747.	2.509	34.611	3.35	2.387	27.629
2009.	2.224	34.632	3.34	2.083	27.670
2244.	2.061	34.649	3.42	1.903	27.698
2495.	1.939	34.659	3.40	1.760	27.717
2745.	1.822	34.667	3.42	1.622	27.734
2998.	1.723	34.674	3.45	1.501	27.748
3197.	1.648	34.681	3.55	1.409	27.761
3399.	1.599	34.683	3.61	1.341	27.767
3579.	1.505	34.691	3.82	1.230	27.781
3796.	1.399	34.700	4.07	1.105	27.797
3947.	1.291	34.706	4.30	0.984	27.810

CAST TW2-87-OC-036 LAT 15 00.2S LONG 171 30.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.909	35.200	4.61	26.909	22.900
28.	26.912	35.327	4.62	26.906	22.996
58.	26.847	35.374	4.62	26.834	23.055
89.	25.804	35.884	4.41	25.784	23.770
117.	23.794	35.960	4.10	23.769	24.438
146.	22.661	35.995	3.85	22.631	24.796
177.	21.528	35.868	3.84	21.493	25.020
209.	19.819	35.657	3.84	19.780	25.322
236.	18.886	35.536	3.87	18.844	25.472
267.	17.182	35.336	3.79	17.137	25.740
298.	15.012	35.135	3.89	14.967	26.084
331.	12.841	34.889	3.73	12.796	26.348
400.	9.458	34.603	3.70	9.413	26.741
496.	6.991	34.431	4.09	6.944	26.978
644.	5.720	34.461	3.56	5.664	27.169
796.	4.700	34.475	3.42	4.637	27.300
1495.	2.702	34.594	3.23	2.598	27.597
1994.	2.148	34.639	3.33	2.010	27.682
2496.	1.885	34.662	3.39	1.707	27.724
2998.	1.718	34.676	3.43	1.497	27.750
3497.	1.519	34.691	3.75	1.253	27.780
4002.	1.242	34.717	4.53	0.930	27.823
4442.	1.029	34.713	4.72	0.675	27.836

CAST TW2-87-OC-035 LAT 14 36.5S LONG 171 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
47.	27.223	35.312	4.63	27.212	22.887
97.	25.356	35.913	4.26	25.335	23.931
196.	20.473	35.746	3.83	20.436	25.216
297.	13.783	34.946	3.13	13.740	26.200
396.	9.953	34.655	2.84	9.907	26.699
496.	7.688	34.523	3.34	7.638	26.953
593.	6.309	34.475	3.41	6.255	27.105
794.	5.051	34.486	3.22	4.986	27.270
993.	4.355	34.511	3.12	4.277	27.368
1248.	3.522	34.549	3.04	3.430	27.485
1496.	2.918	34.584	3.16	2.811	27.570
1733.	2.541	34.609	3.28	2.419	27.624
1997.	2.238	34.633	3.34	2.098	27.670
2247.	2.032	34.648	3.35	1.874	27.700
2495.	1.934	34.659	3.39	1.755	27.718
2742.	1.811	34.667	3.38	1.612	27.735
2998.	1.744	34.674	3.45	1.522	27.747
3199.	1.679	34.677	3.52	1.439	27.755
3392.	1.602	34.683	3.62	1.344	27.767
3589.	1.514	34.690	3.85	1.238	27.780
3795.	1.418	34.700	4.03	1.123	27.796
3998.	1.207	34.712	4.47	0.896	27.821

CAST TW2-87-OC-037 LAT 14 58.6S LONG 172 28.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.450	35.326	4.73	26.450	23.140
72.	26.134	35.433	4.72	26.118	23.325
132.	23.000	35.830	4.15	22.973	24.573
357.	11.024	34.706	3.48	10.980	26.551
596.	5.911	34.424	3.91	5.859	27.115
995.	3.818	34.486	3.55	3.744	27.403
1244.	3.163	34.545	3.37	3.074	27.515
1495.	2.807	34.587	3.25	2.702	27.582
1744.	2.497	34.610	3.31	2.375	27.629
1994.	2.206	34.635	3.34	2.067	27.674
2246.	2.026	34.651	3.35	1.868	27.702
2494.	1.904	34.661	3.44	1.726	27.721
2746.	1.799	34.670	3.45	1.600	27.738
2996.	1.708	34.674	3.40	1.487	27.750
3246.	1.652	34.681	3.83	1.408	27.761
3496.	1.529	34.689	3.78	1.262	27.778
3737.	1.404	34.699	4.04	1.116	27.796
3998.	1.221	34.718	4.54	0.910	27.825
4400.	1.067	34.715	4.73	0.716	27.835
4796.	1.043	34.713	4.84	0.648	27.837
5100.	1.062	34.713	4.75	0.630	27.838
5401.	1.090	34.712	4.75	0.620	27.838
5605.	1.114	34.711	4.78	0.618	27.838

CAST TW2-87-OC-038 LAT 15 00.5S LONG 172 53.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.435	35.352	4.73	26.435	23.164
48.	26.084	35.418	4.77	26.073	23.328
142.	22.771	35.991	3.93	22.742	24.761
341.	11.946	34.818	3.65	11.902	26.467
595.	6.303	34.451	3.76	6.249	27.087
993.	4.005	34.521	3.19	3.930	27.412
1496.	2.728	34.590	3.36	2.624	27.591
2496.	1.919	34.659	3.28	1.741	27.719
2997.	1.708	34.674	3.43	1.487	27.750
3244.	1.606	34.682	3.56	1.363	27.765
3494.	1.489	34.692	3.85	1.224	27.783
3747.	1.318	34.706	4.27	1.031	27.807
3999.	1.165	34.717	4.69	0.855	27.827
4252.	1.084	34.716	4.72	0.749	27.833
4494.	1.038	34.715	4.74	0.678	27.837
4751.	1.031	34.713	4.77	0.642	27.838
4992.	1.040	34.712	4.81	0.622	27.838
5251.	1.061	34.709	4.71	0.611	27.836
5499.	1.086	34.711	4.80	0.604	27.838
5750.	1.112	34.710	4.77	0.598	27.838
5998.	1.139	34.711	4.77	0.591	27.839
6097.	1.153	34.711	4.79	0.592	27.839
6192.	1.165	34.710	4.83	0.590	27.838

CAST TW2-87-OC-040 LAT 15 01.0S LONG 173 45.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	26.270	35.381	4.74	26.270	23.238
29.	26.145	35.397	4.76	26.138	23.292
58.	26.060	35.442	4.78	26.047	23.354
89.	26.017	35.525	4.82	25.997	23.432
118.	24.205	35.970	4.19	24.180	24.324
148.	22.063	35.893	4.06	22.034	24.889
177.	20.978	35.816	3.98	20.944	25.132
210.	19.333	35.617	3.95	19.295	25.418
237.	17.450	35.374	3.91	17.410	25.704
268.	15.784	35.203	3.91	15.742	25.964
297.	14.524	35.059	3.76	14.480	26.131
337.	12.908	34.883	3.45	12.862	26.331
396.	10.412	34.672	3.52	10.365	26.633
497.	7.296	34.442	4.34	7.248	26.945
647.	5.770	34.464	3.55	5.714	27.165
795.	4.966	34.472	3.49	4.901	27.268
996.	4.000	34.514	3.26	3.925	27.407
1194.	3.307	34.536	3.43	3.221	27.494
1395.	2.898	34.571	3.39	2.800	27.561
1595.	2.638	34.595	3.38	2.527	27.604
1995.	2.319	34.626	3.35	2.178	27.658
2193.	2.145	34.640	3.33	1.990	27.684
2327.	2.022	34.651	3.34	1.857	27.703

CAST TW2-87-OC-039 LAT 15 00.0S LONG 173 07.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
2.	26.286	35.356	4.68	26.286	23.214
144.	23.535	36.054	3.95	23.505	24.588
386.	10.541	34.677	3.61	10.495	26.615
997.	4.065	34.499*	3.40	3.989*	27.389*
1244.	3.239	34.543	3.47	3.150	27.507
1493.	2.807	34.584	3.33	2.702	27.580
1743.	2.469	34.611	3.48	2.347	27.632
1995.	2.313	34.627	3.35	2.172	27.659
2196.	2.154	34.640	3.32	1.998	27.683
2346.	2.034	34.650	3.31	1.867	27.702
2495.	1.934	34.658	3.31	1.755	27.717
2646.	1.848	34.665	3.31	1.657	27.730
2796.	1.755	34.671	3.40	1.552	27.742
2995.	1.695	34.676	3.43	1.474	27.752
3249.	1.543	34.687	3.67	1.301	27.773
3498.	1.408	34.699	4.05	1.144	27.794
3751.	1.291	34.715	4.46	1.004	27.816
3999.	1.166	34.716	4.57	0.856	27.827
4303.	1.087	34.716	4.71	0.747	27.834
4602.	1.072	34.714	4.74	0.698	27.835
4801.	1.078	34.714	4.76	0.681	27.836
4902.	1.087	34.714	4.76	0.678	27.836
5004.	1.086	34.713	4.71	0.665	27.836

CAST TW2-87-OC-041 LAT 14 59.9S LONG 174 59.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
49.	26.708	35.441	4.69	26.697	23.149
99.	25.700	35.969	4.42	25.678	23.867
138.	23.938	35.971	4.08	23.909	24.405
198.	20.456	35.732	4.00	20.419	25.210
297.	15.041	35.092	3.75	14.996	26.045
397.	10.469	34.683	3.63	10.421	26.632
595.	5.968	34.419	4.07	5.916	27.104
796.	4.754	34.465	3.61	4.690	27.286
995.	3.756	34.498	3.57	3.683	27.419
1194.	3.217	34.550	3.41	3.132	27.514
1393.	2.833	34.581	3.40	2.736	27.574
1594.	2.601	34.599	3.39	2.490	27.610
1794.	2.531	34.607	3.39	2.404	27.624
1956.	2.454	34.614	3.38	2.315	27.637

* Calculated from CTD values

CAST TW2-87-OC-042 LAT 14 57.5S LONG 176 00.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.881	35.300	4.79	26.881	22.984
48.	26.807	35.367	4.83	26.796	23.061
98.	24.502	35.740	4.45	24.481	24.060
147.	22.058	35.824	3.83	22.029	24.837
422.	9.687	34.639	3.33	9.639	26.731
546.	7.002	34.506	3.53	6.950	27.037
794.	4.627	34.461	3.70	4.564	27.297
892.	4.204	34.486	3.57	4.136	27.363
995.	3.708	34.497	3.58	3.635	27.423
1244.	3.046	34.557	3.50	2.959	27.535
1495.	2.724	34.586	3.25	2.620	27.589
1743.	2.586	34.602	3.39	2.463	27.615
1993.	2.420	34.616	3.57	2.278	27.642
2143.	2.292	34.628	3.36	2.139	27.663

CAST TW2-87-OC-043 LAT 14 57.6S LONG 176 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	27.052	35.310	4.70	27.052	22.937
117.	24.375	35.887	4.72	24.350	24.210
249.	17.514	35.362	4.20	17.472	25.680
991.	3.807	34.496	3.54	3.734	27.413
1245.	2.996	34.564	3.39	2.909	27.545
1744.	2.613	34.601	3.35	2.489	27.612
1944.	2.525	34.611	3.34	2.386	27.629

CAST TW2-87-OC-044 LAT 14 53.6S LONG 178 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.734	35.327	4.87	26.734	23.051
338.	12.857	34.874	3.29	12.811	26.334
376.	11.941	34.799	3.27	11.892	26.454
417.	10.012	34.664	3.20	9.963	26.696
455.	8.658	34.571	3.50	8.609	26.844
515.	7.411	34.487	3.94	7.360	26.964
577.	6.360	34.448	3.92	6.308	27.077
646.	5.555	34.431	3.91	5.500	27.165
797.	4.422	34.451	3.72	4.360	27.311
999.	3.673	34.503	3.52	3.600	27.431
1245.	3.182	34.555	3.34	3.093	27.521
1479.	2.819	34.583	3.42	2.715	27.578

CAST TW2-87-OC-045 LAT 14 54.2S LONG 177 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
2.	26.733	35.328	4.68	26.733	23.052
28.	26.693	35.350	4.70	26.687	23.083
42.	26.659	35.362	4.78	26.649	23.104
58.	26.630	35.382	4.73	26.617	23.130
88.	25.265	35.916	4.26	25.246	23.960
117.	24.564	36.000	4.05	24.539	24.239
148.	23.359	36.038	3.77	23.328	24.627
177.	21.804	35.959	3.68	21.769	25.013
208.	20.534	35.757	3.79	20.495	25.209
239.	19.035	35.574	3.88	18.992	25.463
267.	18.099	35.477	4.00	18.053	25.626
299.	16.227	35.248	3.97	16.179	25.898

CAST TW2-87-0C-046 LAT 14 51.9S LONG 179 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.755	35.354	4.61	26.755	23.065
106.	25.755	35.965	3.87	25.731	23.847
366.	11.948	34.809	3.39	11.900	26.460
518.	6.928	34.413	4.56	6.879	26.973
996.	3.772	34.510	3.46	3.698	27.427
1196.	3.283	34.550	3.38	3.197	27.508
1395.	2.853	34.582	3.35	2.755	27.574
1495.	2.751	34.590	3.40	2.646	27.589
1582.	2.696	34.594	3.39	2.585	27.598
1803.	2.548	34.609	3.35	2.420	27.624
1894.	2.450	34.618	3.49	2.316	27.640
1997.	2.286	34.631	3.35	2.145	27.664

CAST TW2-87-0C-048 LAT 14 46.5S LONG 178 59.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.545	35.230	4.94	26.545	23.038
337.	13.311	34.959	3.86	13.264	26.308
377.	12.049	34.855	3.93	11.999	26.477
446.	9.288	34.596	4.07	9.238	26.764
545.	7.148	34.488	3.81	7.096	27.002
646.	5.675	34.369	4.42	5.620	27.102
797.	4.612	34.416	3.95	4.549	27.263
996.	3.674	34.484	3.66	3.601	27.416
1493.	2.707	34.594	3.34	2.603	27.596
1996.	2.238	34.634	3.35	2.098	27.671
2244.	2.067	34.649	3.36	1.908	27.698
2731.	1.940	34.660	3.35	1.739	27.720

CAST TW2-87-0C-047 LAT 14 50.3S LONG 179 59.3E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.746	35.209	4.74	26.746	22.958
48.	25.432	35.410	4.72	25.421	23.524
118.	24.376	36.032	4.02	24.351	24.320
200.	19.906	35.675	3.98	19.869	25.313
316.	14.359	35.020	3.64	14.312	26.137
556.	6.362	34.393	4.53	6.312	27.033
797.	4.695	34.458	3.65	4.632	27.287
995.	3.888	34.503	3.46	3.814	27.410
1495.	2.771	34.583	0.00	2.666	27.582
1993.	2.268	34.632	3.41	2.128	27.667
2472.	2.061	34.650	3.39	1.882	27.701

CAST TW2-87-0C-049 LAT 14 50.4S LONG 179 00.5E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.356	35.253	4.79	26.356	23.115
28.	26.044	35.362	4.76	26.038	23.297
44.	25.612	35.386	4.80	25.602	23.450
58.	25.514	35.396	4.82	25.501	23.489
88.	25.340	35.416	4.83	25.321	23.559
119.	24.381	35.512	4.69	24.356	23.925
149.	23.555	35.897	4.06	23.524	24.463
177.	22.463	35.942	3.86	22.427	24.814
207.	20.358	35.737	3.94	20.319	25.240
237.	18.876	35.564	4.00	18.834	25.496
266.	17.422	35.395	4.01	17.377	25.728
298.	16.042	35.242	3.98	15.994	25.936

CAST TW2-87-OC-050 LAT 14 45.8S LONG 177 58.9E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.416	35.174	4.77	26.416	23.036
47.	26.397	35.175	4.62	26.386	23.046
145.	22.398	35.765	4.17	22.369	24.696
230.	18.394	35.509	4.03	18.354	25.575
574.	6.568	34.415	4.45	6.515	27.024
998.	3.941	34.462	3.73	3.866	27.372
1247.	3.253	34.527	3.56	3.163	27.492
1493.	2.834	34.583	3.40	2.729	27.577
1736.	2.545	34.607	3.42	2.423	27.622
1992.	2.236	34.636	3.42	2.097	27.672
2145.	2.137	34.644	3.39	1.986	27.688
2277.	1.996	34.653	3.39	1.836	27.707

CAST TW2-87-OC-051 LAT 14 44.0S LONG 176 59.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	26.627	35.047	4.70	26.627	22.874
48.	26.240	35.192	4.75	26.229	23.108
99.	23.961	35.538	4.57	23.940	24.068
148.	21.702	35.738	3.83	21.673	24.872
576.	6.122	34.382	4.48	6.071	27.055
994.	4.000	34.487	3.62	3.925	27.386
1497.	2.888	34.584	3.30	2.782	27.573
1746.	2.580	34.607	3.36	2.457	27.619
1993.	2.342	34.629	3.39	2.201	27.658
2244.	2.092	34.647	3.36	1.933	27.694
2495.	1.957	34.657	3.36	1.778	27.714
2769.	1.896	34.662	3.36	1.693	27.725

CAST TW2-87-OC-052 LAT 14 41.6S LONG 175 59.5E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.531	35.093	4.81	26.531	22.939
334.	13.550	34.980	3.79	13.503	26.276
375.	12.100	34.831	3.68	12.051	26.449
448.	9.415	34.618	3.89	9.365	26.760
545.	6.869	34.418	4.44	6.818	26.986
646.	5.560	34.368	4.39	5.505	27.115
795.	4.578	34.426	3.87	4.516	27.275
993.	3.763	34.515	3.42	3.690	27.432
1493.	2.743	34.592	3.27	2.639	27.592
1982.	2.226	34.634	3.33	2.088	27.671
2494.	1.900	34.660	3.33	1.722	27.721
2796.	1.855	34.665	3.35	1.650	27.730

CAST TW2-87-OC-053 LAT 14 41.1S LONG 175 59.9E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.496	35.105	4.69	26.496	22.959
29.	26.523	35.105	4.70	26.516	22.952
44.	26.520	35.106	4.70	26.510	22.955
58.	26.036	35.345	4.78	26.023	23.288
87.	25.409	35.432	4.67	25.390	23.550
118.	23.611	35.614	4.43	23.586	24.230
148.	22.612	35.602	4.25	22.582	24.512
177.	21.656	35.754	4.10	21.621	24.898
207.	20.380	35.696	4.15	20.341	25.203
235.	19.024	35.611	4.18	18.982	25.494
266.	17.806	35.506	4.29	17.760	25.720
300.	16.496	35.323	4.11	16.447	25.894

CAST TW2-87-OC-054 LAT 14 40.9S LONG 175 00.1E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.076	35.130	4.82	26.076	23.110
994.	3.850	34.488	3.59	3.776	27.402
1242.	3.191	34.552	3.39	3.102	27.518
1494.	2.777	34.592	3.33	2.672	27.589
1744.	2.458	34.616	3.36	2.336	27.637
1996.	2.227	34.636	3.38	2.087	27.673
2196.	2.051	34.648	3.38	1.897	27.698
2343.	1.975	34.655	3.37	1.809	27.710
2497.	1.901	34.659	3.37	1.723	27.720
2648.	1.858	34.664	3.38	1.667	27.728
2697.	1.859	34.662	0.00	1.663	27.727
2779.	1.864	34.664	3.37	1.660	27.729

CAST TW2-87-OC-056 LAT 14 35.5S LONG 172 59.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.007	35.326	4.72	26.007	23.279
335.	14.435	35.119	4.20	14.385	26.198
376.	13.189	34.984	4.04	13.136	26.354
445.	9.906	34.673	3.69	9.854	26.722
544.	7.695	34.529	3.87	7.640	26.957
644.	6.260	34.431	4.07	6.202	27.077
795.	4.943	34.412	3.98	4.878	27.223
994.	3.910	34.482	3.63	3.836	27.391
1492.	2.771	34.589	3.34	2.666	27.587
1987.	2.225	34.634	3.36	2.086	27.672
2496.	1.909	34.659	3.36	1.731	27.719
3158.	1.770	34.669	3.35	1.532	27.742

CAST TW2-87-OC-055 LAT 14 38.0S LONG 173 59.9E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.344	35.153	4.89	26.344	23.043
45.	26.353	35.153	4.87	26.343	23.043
167.	21.712	35.814	4.04	21.679	24.928
335.	12.794	34.901	3.79	12.748	26.367
657.	5.730	34.421	4.05	5.673	27.136
995.	4.009	34.488	3.55	3.934	27.386
1495.	2.829	34.587	3.31	2.723	27.580
1744.	2.463	34.615	3.33	2.341	27.636
1995.	2.236	34.635	3.36	2.096	27.672
2248.	2.041	34.650	3.35	1.882	27.701
2442.	1.908	34.659	3.36	1.735	27.719
2523.	1.893	34.660	3.34	1.713	27.722

CAST TW2-87-OC-057 LAT 14 34.7S LONG 172 59.8E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	25.995	35.335	0.00	25.995	23.290
29.	25.959	35.335	4.69	25.953	23.303
44.	25.942	35.341	4.70	25.932	23.314
59.	25.928	35.350	4.73	25.915	23.326
88.	24.627	35.618	4.59	24.608	23.929
118.	23.061	35.743	4.07	23.037	24.488
147.	22.440	35.751	3.79	22.410	24.674
179.	21.214	35.727	3.96	21.179	25.000
207.	20.028	35.669	4.04	19.989	25.276
237.	18.493	35.561	4.00	18.451	25.590
267.	17.313	35.445	4.09	17.268	25.793
299.	15.329	35.211	4.14	15.283	26.073

CAST TW2-87-OC-058 LAT 14 34.9S LONG 171 57.6E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.160	35.346	4.80	26.160	23.246
177.	21.945	35.784	4.02	21.910	24.840
615.	6.305	34.415	4.21	6.249	27.059
995.	3.795	34.492	3.59	3.721	27.411
1245.	3.180	34.522	3.37	3.091	27.495
1496.	2.791	34.591	3.29	2.686	27.587
1745.	2.485	34.615	3.32	2.363	27.634
1995.	2.231	34.635	3.35	2.091	27.672
2242.	2.044	34.651	3.37	1.886	27.701
2515.	1.915	34.661	3.38	1.735	27.721
2746.	1.811	34.667	3.35	1.612	27.735
3539.	1.791	34.672	3.46	1.513	27.746

CAST TW2-87-OC-060 LAT 14 29.7S LONG 170 29.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.397	35.079	4.71	26.397	22.971
22.	26.410	35.077	4.64	26.405	22.967
49.	26.416	35.080	4.64	26.405	22.969
73.	26.476	35.273	4.69	26.460	23.097
99.	25.281	35.517	4.48	25.259	23.655
172.	21.745	35.758	3.99	21.711	24.876
197.	21.185	35.780	3.89	21.147	25.049
297.	16.156	35.230	3.62	16.109	25.901
395.	11.116	34.767	3.23	11.067	26.582
601.	6.454	34.411	4.36	6.399	27.036
794.	4.897	34.417	3.94	4.833	27.232
1000.	3.986	34.484	3.59	3.910	27.385

CAST TW2-87-OC-059 LAT 14 33.0S LONG 170 59.6E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.447	35.234	4.81	26.447	23.072
47.	26.460	35.234	4.71	26.449	23.071
184.	21.831	35.840	3.94	21.795	24.915
386.	11.692	34.814	3.17	11.642	26.513
595.	6.541	34.435	4.12	6.486	27.043
994.	3.884	34.482	3.62	3.810	27.394
1493.	2.833	34.587	3.29	2.728	27.580
1994.	2.224	34.635	3.35	2.085	27.673
2289.	2.005	34.653	3.37	1.844	27.706
2604.	1.855	34.663	3.35	1.668	27.727
2796.	1.792	34.666	3.35	1.588	27.736
3022.	1.768	34.669	3.35	1.543	27.741

CAST TW2-87-OC-061 LAT 14 30.4S LONG 169 59.9E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
346.	12.939	34.932	3.73	12.891	26.363
447.	8.776	34.582	3.80	8.728	26.834
545.	6.917	34.462	4.09	6.865	27.014
646.	5.872	34.419	4.09	5.816	27.117
795.	4.931	34.423	3.93	4.866	27.233
996.	3.907	34.490	3.57	3.832	27.398
1996.	2.215	34.636	3.34	2.076	27.674
2494.	1.914	34.658	3.32	1.736	27.718
2997.	1.780	34.668	3.33	1.557	27.740
3244.	1.757	34.672	3.35	1.511	27.746
3497.	1.759	34.670	3.35	1.487	27.746
3681.	1.765	34.673	3.35	1.473	27.750

CAST TW2-87-OC-062 LAT 14 30.3S LONG 169 59.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.434	35.159	4.66	26.434	23.019
28.	26.419	35.156	4.69	26.413	23.024
43.	26.412	35.158	4.68	26.402	23.028
58.	26.445	35.162	4.68	26.432	23.022
88.	26.612	35.381	4.63	26.592	23.137
116.	24.230	35.733	4.17	24.205	24.137
145.	22.756	35.778	3.98	22.726	24.604
178.	21.457	35.769	3.96	21.422	24.965
208.	20.331	35.710	3.97	20.292	25.227
241.	18.383	35.492	3.83	18.341	25.565
268.	17.170	35.341	3.67	17.125	25.747
298.	15.393	35.146	3.57	15.347	26.008

CAST TW2-87-OC-064 LAT 14 30.2S LONG 169 00.1E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.365	35.145	4.75	26.365	23.030
995.	3.988	34.495	3.53	3.913	27.394
1245.	3.292	34.543	3.41	3.202	27.502
1495.	2.844	34.586	3.33	2.738	27.578
1744.	2.456	34.590	3.36	2.335	27.616
1996.	2.224	34.637	3.35	2.084	27.674
2194.	2.058	34.649	3.34	1.904	27.698
2346.	2.003	34.653	3.35	1.837	27.706
2395.	1.957	34.657	3.32	1.787	27.714
2505.	1.898	34.660	3.33	1.719	27.721
2598.	1.852	34.663	3.35	1.665	27.728
2671.	1.835	34.665	3.34	1.642	27.731

CAST TW2-87-OC-063 LAT 14 30.4S LONG 169 29.8E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.431	35.130	4.78	26.431	22.998
24.	26.419	35.128	4.71	26.414	23.002
49.	26.397	35.128	4.67	26.386	23.011
74.	26.263	35.184	4.86	26.246	23.097
97.	25.120	35.627	4.48	25.099	23.787
147.	23.488	36.007	3.71	23.457	24.566
197.	20.803	35.773	3.89	20.765	25.148
297.	15.395	35.155	3.64	15.349	26.015
385.	11.868	34.833	3.80	11.818	26.495
646.	6.166	34.462	3.88	6.108	27.114
794.	4.945	34.440	3.80	4.880	27.245
1000.	3.991	34.486	3.59	3.915	27.386

CAST TW2-87-OC-065 LAT 14 29.9S LONG 168 30.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.373	35.142	0.00	26.373	23.026
23.	26.384	35.145	0.00	26.379	23.026
47.	26.387	35.147	0.00	26.376	23.028
72.	26.416	35.188	0.00	26.400	23.052
98.	24.409	35.629	0.00	24.388	24.004
147.	23.230	35.972	0.00	23.200	24.615
197.	21.562	35.849	0.00	21.523	24.998
321.	14.991	35.148	0.00	14.942	26.100
397.	10.527	34.742	0.00	10.479	26.668
621.	5.885	34.417	0.00	5.831	27.113
795.	4.775	34.427	0.00	4.711	27.254
1007.	3.805	34.493	0.00	3.730	27.410

CAST TW2-87-OC-066 LAT 14 32.0S LONG 168 00.3E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.364	35.065	4.78	26.364	22.970
49.	26.376	35.065	4.79	26.365	22.970
162.	23.096	35.949	3.89	23.063	24.637
366.	11.477	34.796	3.77	11.430	26.538
597.	6.297	34.416	4.26	6.243	27.060
797.	4.945	34.420	3.97	4.880	27.229
995.	4.026	34.471	3.66	3.951	27.371
1194.	3.420	34.526	3.52	3.333	27.476
1394.	3.118	34.599	3.36	3.018	27.563
1491.	3.002	34.571	3.33	2.895	27.552
1595.	2.855	34.583	3.33	2.741	27.576
1718.	2.668	34.599	3.33	2.546	27.605

CAST TW2-87-OC-069 LAT 14 11.3S LONG 166 13.5E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.490	35.209	4.65	26.490	23.039
496.	8.182	34.541	4.00	8.130	26.894
995.	4.106	34.478	3.64	4.030	27.368
1494.	2.925	34.588	3.36	2.818	27.573
1994.	2.266	34.642	3.47	2.126	27.675
2195.	2.097	34.659	3.42	1.942	27.703
2396.	2.019	34.666	3.47	1.848	27.716
2596.	1.904	34.674	3.52	1.717	27.732
2796.	1.856	34.679	3.52	1.651	27.741
2998.	1.828	34.681	3.56	1.604	27.747
3197.	1.802	34.683	3.53	1.559	27.751
3399.	1.766	34.681	3.46	1.504	27.754
3597.	1.748	34.682	3.51	1.465	27.758
3799.	1.748	34.683	3.48	1.444	27.760
4001.	1.748	34.683	3.51	1.422	27.761
4200.	1.758	34.683	3.53	1.409	27.762
4399.	1.774	34.685	3.52	1.402	27.764
4598.	1.792	34.685	3.53	1.396	27.765
4799.	1.813	34.684	3.53	1.393	27.764
5100.	1.848	34.684	3.52	1.390	27.765
5348.	1.879	34.684	3.54	1.388	27.765
5550.	1.906	34.684	3.52	1.388	27.765
5746.	1.933	34.683	3.54	1.388	27.764

CAST TW2-87-OC-068 LAT 14 14.5S LONG 166 38.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.608	35.017	4.69	26.608	22.857
28.	26.619	35.095	4.70	26.613	22.915
57.	26.462	35.236	4.66	26.449	23.072
87.	26.201	35.323	4.62	26.181	23.222
119.	24.330	35.786	4.11	24.305	24.147
148.	23.461	35.868	3.87	23.430	24.468
175.	22.111	35.867	0.00	22.076	24.857
205.	21.198	35.789	3.68	21.158	25.053
238.	19.546	35.618	3.62	19.502	25.365
267.	18.251	35.486	3.87	18.204	25.595
297.	16.934	35.317	3.90	16.885	25.786
336.	13.206	34.987	3.96	13.159	26.351
370.	12.137	34.884	3.87	12.088	26.483
448.	9.522	34.648	3.97	9.471	26.766
544.	7.033	34.465	4.17	6.981	27.000
647.	5.770	34.444	3.97	5.714	27.149
796.	4.577	34.449	3.78	4.515	27.293
995.	3.737	34.503	3.57	3.664	27.425
1995.	2.278	34.639	3.36	2.138	27.671
2497.	1.969	34.663	3.40	1.790	27.718
2746.	1.876	34.668	3.35	1.675	27.731
2997.	1.787	34.674	3.42	1.564	27.744
3208.	1.758	34.678	3.43	1.515	27.751

CAST TW2-87-OC-070 LAT 14 14.6S LONG 166 03.1E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.541	35.102	4.66	26.541	22.942
22.	26.542	35.106	4.70	26.537	22.947
48.	26.509	35.142	4.66	26.498	22.986
70.	26.633	35.229	4.74	26.617	23.014
98.	26.575	35.258	4.63	26.553	23.056
166.	22.377	35.853	3.63	22.344	24.770
197.	20.863	35.728	3.64	20.825	25.097
295.	16.387	35.288	3.98	16.339	25.892
397.	11.568	34.829	3.99	11.517	26.548
494.	7.947	34.517	4.11	7.897	26.910
595.	6.111	34.422	4.16	6.058	27.089
794.	4.994	34.437	3.89	4.929	27.237
991.	4.285	34.468	3.69	4.208	27.341
1194.	3.433	34.530	3.50	3.346	27.478
1384.	3.154	34.563	3.45	3.054	27.531
1593.	2.760	34.601	3.36	2.647	27.598
1793.	2.482	34.623	3.35	2.356	27.641
1994.	2.309	34.639	3.42	2.168	27.669
2193.	2.167	34.652	3.42	2.011	27.692
2394.	2.081	34.660	3.46	1.909	27.706
2566.	1.998	34.667	3.49	1.812	27.720
2856.	1.915	34.675	0.00	1.703	27.734
2975.	1.870	34.677	0.00	1.647	27.740

CAST TW2-87-OC-071 LAT 14 21.6S LONG 165 30.3E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	26.546	34.979	4.66	26.546	22.848
49.	26.464	35.064	4.66	26.453	22.942
74.	26.392	35.124	4.62	26.375	23.011
96.	25.020	35.714	4.25	24.999	23.883
142.	23.100	35.859	3.68	23.071	24.566
195.	21.344	35.757	3.73	21.306	24.988
296.	15.695	35.212	3.78	15.649	25.992
398.	11.247	34.798	3.61	11.197	26.583
637.	6.459	34.452	3.96	6.401	27.068
794.	5.164	34.438	4.04	5.098	27.218
993.	4.287	34.467	3.77	4.210	27.340
1194.	3.512	34.542	3.42	3.424	27.480
1390.	3.003	34.581	3.39	2.904	27.559
1593.	2.713	34.606	3.33	2.601	27.606
1792.	2.483	34.624	3.42	2.357	27.641
1995.	2.299	34.642	3.42	2.158	27.672
2162.	2.191	34.651	3.46	2.038	27.689
2297.	2.140	34.655	3.48	1.975	27.697
2365.	2.065	34.660	3.51	1.896	27.708

CAST TW2-87-OC-073 LAT 14 30.3S LONG 164 29.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.911	34.894*	4.65	26.911*	22.668*
29.	26.722	34.895	4.66	26.715	22.731
59.	26.732	34.907*	4.65	26.719*	22.739*
98.	25.236	35.507	4.32	25.215	23.661
122.	24.037	35.832*	4.03	24.011*	24.270*
162.	22.436	35.812	3.70	22.403	24.722
197.	19.986	35.690	3.83	19.949	25.303
246.	17.629	35.447	3.90	17.587	25.717
296.	15.944	35.269	3.69	15.897	25.979
345.	14.069	35.076	3.77	14.019	26.243
398.	11.996	34.884	3.73	11.944	26.510
446.	10.809	34.760	3.73	10.754	26.633
497.	8.865	34.600*	0.00	8.811*	26.835*
547.	7.991	34.544	4.04	7.935	26.926
596.	7.123	34.469*	0.00	7.065*	26.992*
695.	5.965	34.445	4.04	5.904	27.126
795.	5.093	34.447*	0.00	5.027*	27.234*
1009.	4.006	34.489	3.64	3.930	27.387

CAST TW2-87-OC-072 LAT 14 29.9S LONG 165 00.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.665	34.924	4.66	26.665	22.769
49.	26.471	35.022	4.69	26.460	22.908
72.	26.471	35.058	4.68	26.455	22.937
97.	25.078	35.442	4.24	25.057	23.660
147.	22.730	35.855	3.53	22.700	24.670
196.	20.329	35.680	3.56	20.292	25.204
296.	15.417	35.195	3.75	15.371	26.041
495.	10.039	34.699	3.78	9.981	26.721
675.	6.502	34.462	4.03	6.440	27.071
794.	5.373	34.439	3.94	5.306	27.195
994.	4.226	34.488	3.64	4.149	27.363
1244.	3.522	34.538	3.42	3.430	27.476
1494.	3.011	34.583	3.30	2.904	27.561
1746.	2.598	34.615	3.38	2.474	27.624
1995.	2.344	34.638	3.35	2.203	27.665
2194.	2.224	34.650	3.40	2.067	27.686
2346.	2.099	34.661	3.44	1.931	27.706
2495.	2.020	34.668	3.47	1.840	27.718
2645.	1.960	34.672	3.50	1.767	27.727
2796.	1.925	34.676	3.49	1.718	27.734
2997.	1.865	34.680	3.52	1.640	27.743
3229.	1.800	34.686	3.61	1.554	27.754
3439.	1.788	34.686	3.67	1.521	27.757

CAST TW2-87-OC-074 LAT 14 30.4S LONG 163 59.8E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.896	34.880	4.66	26.896	22.663
23.	26.889	34.877	4.73	26.884	22.664
48.	26.871	34.887	4.68	26.860	22.679
96.	26.751	35.101	4.57	26.729	22.882
193.	21.394	35.754	3.61	21.356	24.972
297.	17.115	35.360	3.75	17.066	25.776
609.	7.238	34.480	4.15	7.179	26.985
994.	4.247	34.485	3.63	4.170	27.359
1243.	3.400	34.549	3.51	3.309	27.496
1494.	2.921	34.593	3.29	2.815	27.577
1745.	2.604	34.617	3.27	2.480	27.625
1994.	2.377	34.636	3.42	2.235	27.661
2245.	2.161	34.655	3.40	2.001	27.695
2494.	2.011	34.673	3.48	1.831	27.723
2746.	1.946	34.673	3.48	1.744	27.730
2998.	1.887	34.679	3.54	1.662	27.741
3190.	1.861	34.683	3.62	1.617	27.747
3390.	1.812	34.684	3.58	1.549	27.753
3598.	1.802	34.687	3.61	1.518	27.758
3797.	1.801	34.688	3.64	1.496	27.760
4000.	1.814	34.688	3.59	1.486	27.761
4101.	1.821	34.688	3.57	1.482	27.761
4200.	1.828	34.687	3.62	1.477	27.761

* Calculated from CTD values

CAST TW2-87-OC-075 LAT 14 21.0S LONG 163 28.5E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.882	34.881	0.00	26.882	22.668
22.	26.897	34.881	0.00	26.892	22.665
38.	26.897	34.881	0.00	26.888	22.666
76.	26.878	34.882	0.00	26.861	22.675
98.	26.281	35.077	0.00	26.259	23.012
122.	25.284	35.589	0.00	25.257	23.710
183.	22.675	35.853	0.00	22.638	24.687
197.	21.978	35.833	0.00	21.939	24.870
396.	11.564	34.808	0.00	11.513	26.532
645.	5.874	34.454	0.00	5.818	27.144
796.	4.812	34.463	0.00	4.748	27.278
1009.	4.055	34.523	0.00	3.978	27.409

CAST TW2-87-OC-076 LAT 14 11.1S LONG 163 00.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.726	34.902	4.68	26.726	22.733
47.	26.736	34.900	4.69	26.725	22.732
152.	23.157	35.872	3.59	23.126	24.560
395.	11.513	34.796	3.54	11.462	26.532
695.	5.685	34.444	3.99	5.625	27.160
795.	4.974	34.456	3.86	4.909	27.255
995.	4.070	34.511	3.48	3.994	27.398
1494.	2.947	34.588	3.29	2.840	27.571
1994.	2.368	34.636	3.29	2.226	27.662
2295.	2.120	34.659	3.43	1.956	27.702
2596.	1.991	34.670	3.59	1.802	27.723
2797.	1.930	34.680	3.61	1.723	27.737
2997.	1.862	34.682	3.60	1.637	27.745
3198.	1.819	34.688	0.00	1.576	27.754
3396.	1.808	34.692	3.76	1.545	27.760
3604.	1.805	34.694	3.84	1.520	27.763
3799.	1.817	34.695	3.79	1.511	27.765
4001.	1.834	34.695	3.80	1.505	27.765
4199.	1.854	34.695	3.80	1.503	27.765
4398.	1.880	34.695	3.79	1.505	27.765
4597.	1.905	34.695	3.79	1.506	27.765

CAST TW2-87-OC-077 LAT 14 20.6S LONG 162 29.9E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.830	34.959	4.61	26.830	22.743
28.	26.834	34.959	4.61	26.828	22.744
48.	26.838	34.959	4.62	26.827	22.744
78.	26.811	34.972	4.62	26.793	22.765
98.	26.090	35.437	3.83	26.068	23.344
123.	24.948	35.740	4.21	24.921	23.926
158.	23.067	35.810	3.76	23.034	24.540
197.	21.099	35.764	3.76	21.061	25.060
396.	10.595	34.733	3.62	10.547	26.649
641.	6.164	34.456	3.99	6.107	27.109
795.	4.893	34.447	3.84	4.829	27.257
1008.	4.020	34.505	3.57	3.944	27.398

CAST TW2-87-OC-078 LAT 14 28.4S LONG 161 59.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.804	34.872	4.70	26.804	22.686
23.	26.773	34.868	4.74	26.768	22.694
50.	26.758	34.865	4.70	26.747	22.699
99.	26.203	35.419	4.46	26.181	23.295
158.	22.727	35.828	3.64	22.695	24.651
297.	15.766	35.219	3.71	15.719	25.981
596.	6.898	34.478	4.13	6.842	27.030
998.	4.058	34.500	3.61	3.982	27.390
1246.	3.407	34.549	3.50	3.316	27.496
1493.	2.927	34.593	3.22	2.821	27.577
1744.	2.593	34.617	3.27	2.470	27.626
1994.	2.324	34.638	3.31	2.183	27.667
2246.	2.170	34.655	3.41	2.010	27.695
2495.	2.029	34.668	3.49	1.849	27.718
2695.	1.955	34.680	3.65	1.757	27.734
2795.	1.925	34.685	3.71	1.719	27.741
2993.	1.873	34.689	3.76	1.649	27.750
3096.	1.848	34.691	3.73	1.614	27.754
3195.	1.834	34.691	3.75	1.590	27.756
3294.	1.815	34.692	3.74	1.562	27.758
3398.	1.810	34.694	3.78	1.547	27.761
3473.	1.812	34.693	3.78	1.541	27.761
3630.	1.818	34.694	3.81	1.530	27.762

CAST TW2-87-OC-079 LAT 14 32.1S LONG 161 30.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
29.	26.678	35.019	4.66	26.671	22.839
48.	26.665	35.038	4.64	26.654	22.858
77.	26.669	35.043*	0.00	26.651*	22.863*
114.	25.423	35.562	4.22	25.398	23.646
123.	24.612	35.665	4.15	24.585	23.971
174.	22.472	35.786	3.76	22.437	24.693
197.	21.806	35.811	3.74	21.767	24.901
396.	11.305	34.837	3.87	11.255	26.603
694.	5.804	34.446	4.00	5.743	27.147
793.	5.065	34.446	3.90	5.000	27.236
1007.	4.038	34.502	3.57	3.961	27.394

CAST TW2-87-OC-081 LAT 14 30.7S LONG 160 29.9E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.603	34.997	4.67	26.603	22.844
23.	26.617	34.997	4.65	26.612	22.841
39.	26.619	34.997	4.59	26.610	22.841
79.	26.175	35.450	4.37	26.157	23.326
97.	25.049	35.614	3.97	25.028	23.799
123.	23.855	35.715	3.81	23.829	24.235
158.	22.287	35.768	3.59	22.255	24.731
197.	20.384	35.716	3.57	20.347	25.217
397.	11.439	34.829	3.72	11.388	26.572
641.	6.488	34.465	4.03	6.429	27.075
796.	5.041	34.445	3.82	4.976	27.238
1009.	3.916	34.514	3.52	3.840	27.416

CAST TW2-87-OC-080 LAT 14 32.4S LONG 160 58.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.658	35.029	4.64	26.658	22.850
28.	26.669	35.029	4.66	26.663	22.849
58.	26.687	35.032	4.72	26.674	22.848
98.	26.108	35.456	4.32	26.086	23.352
123.	24.478	35.706	3.85	24.452	24.043
148.	23.290	35.843	3.59	23.259	24.499
197.	20.334	35.690	3.67	20.297	25.211
247.	18.163	35.480	3.76	18.120	25.611
297.	16.257	35.295	3.76	16.209	25.927
347.	14.035	35.131	3.89	13.984	26.292
396.	11.741	34.863	3.68	11.690	26.542
448.	9.823	34.693	3.82	9.771	26.751
496.	8.654	34.597	3.96	8.601	26.866
546.	7.488	34.513	4.03	7.434	26.974
595.	6.961	34.484	4.09	6.904	27.026
696.	5.723	34.443	3.97	5.663	27.155
795.	5.127	34.458	3.80	5.061	27.239
995.	4.092	34.489	3.61	4.016	27.378
1243.	3.367	34.562	3.31	3.277	27.510
1495.	2.902	34.595	3.20	2.796	27.580
1704.	2.641	34.615	3.24	2.520	27.620
1995.	2.281	34.644	3.35	2.141	27.675
2381.	2.084	34.666	3.59	1.913	27.711

CAST TW2-87-OC-082 LAT 14 30.6S LONG 160 00.8E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.642	34.974	4.66	26.642	22.814
47.	26.656	34.974	4.65	26.645	22.813
73.	26.584	35.204	4.52	26.567	23.011
97.	25.107	35.674	3.99	25.086	23.826
168.	21.145	35.767	3.48	21.113	25.049
295.	15.964	35.234	3.51	15.917	25.947
626.	6.022	34.446	4.06	5.967	27.119
795.	5.060	34.454	3.80	4.995	27.243
995.	4.152	34.515	3.46	4.076	27.393
1244.	3.399	34.558	3.45	3.308	27.504
1494.	2.897	34.596	3.39	2.791	27.582
1746.	2.590	34.620	3.22	2.467	27.629
1995.	2.334	34.644	3.23	2.193	27.671
2192.	2.217	34.657	3.46	2.060	27.692
2346.	2.125	34.666	3.52	1.956	27.708
2496.	2.052	34.670	3.52	1.871	27.717
2645.	1.986	34.678	3.57	1.792	27.730
2796.	1.940	34.681	3.59	1.733	27.737
2995.	1.896	34.683	3.61	1.671	27.743
3245.	1.811	34.687	3.59	1.563	27.754
3501.	1.749	34.690	3.59	1.476	27.763
3749.	1.765	34.689	3.63	1.466	27.763
5031.	1.903	34.689	3.59	1.451	27.764

* Calculated from CTD values

CAST TW2-87-OC-083 LAT 14 30.5S LONG 159 30.1E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.628	35.048	4.63	26.628	22.874
28.	26.612	35.047	4.67	26.606	22.881
49.	26.612	35.047	4.68	26.601	22.882
73.	26.504	35.122	4.68	26.487	22.974
108.	24.767	35.706	4.02	24.744	23.955
124.	23.768	35.822	3.62	23.742	24.342
138.	22.577	35.835	3.57	22.549	24.698
196.	20.179	35.681	3.53	20.142	25.245
396.	10.883	34.785	3.71	10.834	26.638
668.	5.931	34.449	3.97	5.872	27.134
795.	4.974	34.460	3.80	4.909	27.258
997.	4.230	34.508	3.51	4.153	27.379
995.	4.240	34.506	3.48	4.163	27.376
1093.	3.852	34.527	3.40	3.770	27.434
1193.	3.536	34.547	3.34	3.448	27.481
1294.	3.219	34.570	3.27	3.126	27.530
1392.	3.003	34.587	3.21	2.904	27.564
1443.	2.913	34.592	3.22	2.811	27.577
1496.	2.898	34.596	3.22	2.792	27.581

CAST TW2-87-OC-085 LAT 14 30.5S LONG 158 00.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.576	35.085	4.65	26.576	22.919
28.	26.590	35.084	4.62	26.584	22.915
57.	26.579	35.083	4.60	26.566	22.920
98.	24.645	35.639	4.03	24.624	23.940
122.	22.862	35.850	3.49	22.837	24.627
140.	22.224	35.863	3.42	22.196	24.820
198.	19.799	35.640	3.55	19.763	25.314
296.	14.547	35.176	3.80	14.503	26.217
346.	12.558	34.960	3.69	12.511	26.460
397.	11.324	34.827	3.69	11.274	26.591
447.	9.933	34.702	3.73	9.881	26.740
495.	8.721	34.603	3.90	8.668	26.860
547.	7.603	34.534	3.90	7.548	26.974
597.	6.896	34.475	4.14	6.839	27.027
630.	6.414	34.449	4.21	6.356	27.072
695.	5.793	34.438	4.19	5.732	27.142
795.	4.974	34.450	3.94	4.909	27.250
995.	3.973	34.504	3.63	3.898	27.402
1994.	2.332	34.643	3.34	2.191	27.670
2496.	2.062	34.680	3.67	1.881	27.725
2797.	1.968	34.695	3.86	1.760	27.746
2897.	1.939	34.700	3.91	1.722	27.753

CAST TW2-87-OC-084 LAT 14 31.2S LONG 159 00.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.669	35.032	4.69	26.669	22.849
22.	26.613	35.030	4.70	26.608	22.867
39.	26.606	35.030	4.68	26.597	22.870
77.	26.502	35.227	4.57	26.485	23.055
98.	25.301	35.589	4.15	25.280	23.703
122.	23.482	35.749	0.00	23.457	24.371
136.	22.340	35.783	0.00	22.313	24.726
197.	19.421	35.625	3.61	19.385	25.401
395.	11.338	34.818	3.34	11.288	26.582
547.	7.165	34.501	4.12	7.112	27.010
596.	6.497	34.478	4.04	6.442	27.083
795.	4.776	34.482	3.61	4.712	27.297
995.	4.011	34.518	3.29	3.936	27.409
1205.	3.409	34.558	3.36	3.321	27.502
1395.	3.111	34.582	3.26	3.011	27.551
1591.	2.786	34.604	3.24	2.673	27.598
1794.	2.502	34.627	3.32	2.376	27.642
1993.	2.336	34.642	3.34	2.195	27.669
2198.	2.188	34.659	3.48	2.031	27.696
2394.	2.087	34.673	3.60	1.915	27.716
2593.	2.037	34.682	3.69	1.847	27.729
2795.	1.979	34.693	3.87	1.771	27.744
3014.	1.907	34.704	3.98	1.680	27.759

CAST TW2-87-OC-086 LAT 14 30.0S LONG 157 00.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
38.	26.782	34.983	4.59	26.773	22.779
78.	26.521	35.181	4.51	26.503	23.014
109.	23.846	35.681	3.96	23.823	24.211
296.	15.008	35.242	3.99	14.963	26.168
596.	6.599	34.458	4.34	6.544	27.054
794.	4.914	34.460	3.85	4.850	27.264
996.	4.072	34.509	3.50	3.996	27.396
1244.	3.338	34.564	3.40	3.248	27.514
1494.	2.823	34.602	3.26	2.718	27.593
1745.	2.514	34.625	3.28	2.392	27.639
1995.	2.290	34.647	3.37	2.149	27.677
2195.	2.180	34.662	3.49	2.024	27.699
2393.	2.093	34.675	3.62	1.921	27.718
2595.	2.031	34.687	3.80	1.841	27.733
2779.	1.976	34.696	3.89	1.770	27.746
2996.	1.911	34.705	4.07	1.685	27.760
3198.	1.885	34.711	4.09	1.640	27.768
3398.	1.878	34.716	4.15	1.613	27.774
3597.	1.887	34.717	4.23	1.601	27.776
3799.	1.900	34.716	4.20	1.592	27.776
4517.	1.978	34.715	4.13	1.586	27.775

CAST TW2-87-OC-087 LAT 14 31.0S LONG 155 59.1E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.731	34.971	4.63	26.731	22.784
23.	26.701	34.971	4.69	26.696	22.795
39.	26.698	34.972	4.64	26.689	22.798
89.	24.864	35.571	4.26	24.845	23.822
98.	24.432	35.630	4.02	24.411	23.997
122.	23.467	35.782	3.74	23.442	24.400
150.	22.261	35.807	3.65	22.231	24.768
197.	20.230	35.694	3.66	20.193	25.241
394.	11.473	34.837	3.71	11.423	26.572
602.	6.412	34.448	4.41	6.357	27.071
646.	5.985	34.436	4.40	5.928	27.116
795.	4.906	34.457	3.81	4.842	27.263
994.	4.010	34.511	3.27	3.935	27.404
1195.	3.498	34.559	3.36	3.410	27.495
1385.	3.128	34.577	3.28	3.028	27.545
1594.	2.772	34.604	3.27	2.659	27.600
1779.	2.553	34.622	3.30	2.427	27.634
1993.	2.341	34.644	3.33	2.200	27.670
2244.	2.168	34.665	3.56	2.008	27.703
2495.	2.060	34.680	3.68	1.879	27.725
2747.	1.956	34.698	3.94	1.753	27.749
2997.	1.924	34.704	4.01	1.698	27.758
3149.	1.902	34.708	4.07	1.661	27.764

CAST TW2-87-OC-089 LAT 14 30.2S LONG 154 00.1E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.239	35.077	4.69	26.239	23.019
30.	26.242	35.077	4.69	26.235	23.020
58.	26.211	35.147	4.71	26.198	23.084
98.	23.859	35.448	4.46	23.838	24.030
122.	23.228	35.639	3.67	23.203	24.361
164.	21.625	35.745	3.64	21.593	24.899
197.	19.923	35.648	3.96	19.887	25.287
246.	17.708	35.473	3.80	17.666	25.718
296.	15.581	35.269	3.80	15.535	26.061
346.	13.614	35.045	3.68	13.565	26.313
397.	11.531	34.842	3.54	11.480	26.565
448.	9.779	34.692	3.55	9.727	26.758
497.	8.393	34.579	3.88	8.341	26.892
547.	7.420	34.508	4.12	7.366	26.980
597.	6.741	34.488	4.05	6.685	27.059
696.	5.559	34.438	4.13	5.500	27.171
796.	4.855	34.458	3.96	4.791	27.270
993.	3.844	34.512	3.70	3.770	27.422
2496.	2.061	34.684	3.75	1.880	27.728
2995.	1.924	34.707	4.09	1.698	27.760
3496.	1.836	34.717	4.21	1.562	27.779
3997.	1.829	34.720	4.21	1.501	27.785
4672.	1.892	34.720	4.22	1.484	27.787

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CAST TW2-87-OC-088 LAT 14 31.0S LONG 154 59.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.554	35.005*	0.00	26.554*	22.865*
18.	26.558	35.005	4.69	26.554	22.865
48.	26.564	35.009	4.67	26.553	22.868
88.	24.670	35.605	4.13	24.651	23.906
151.	22.283	35.805	3.68	22.253	24.760
611.	6.122	34.444	4.29	6.068	27.105
994.	4.034	34.514	3.62	3.959	27.404
1242.	3.363	34.559	3.49	3.273	27.508
1492.	2.895	34.597	3.22	2.789	27.583
1744.	2.590	34.622	3.31	2.467	27.631
1994.	2.335	34.645	3.33	2.194	27.672
2194.	2.195	34.662	3.46	2.039	27.698
2346.	2.135	34.671	3.58	1.966	27.711
2496.	2.077	34.682	3.73	1.896	27.725
2646.	2.023	34.691	3.85	1.829	27.738
2795.	1.989	34.696	3.90	1.781	27.745
2997.	1.942	34.705	4.03	1.716	27.757
3248.	1.860	34.714	4.13	1.610	27.773
3498.	1.809	34.720	4.25	1.535	27.783
3748.	1.810	34.721	4.23	1.510	27.786
3999.	1.823	34.721	4.28	1.495	27.787
4149.	1.833	34.721	0.00	1.488	27.787
4294.	1.847	34.721	4.27	1.485	27.787

CAST TW2-87-OC-090 LAT 12 55.1S LONG 153 24.3E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.562	34.960	4.66	26.562	22.829
39.	26.538	34.957	4.67	26.529	22.837
78.	24.809	35.604	4.17	24.792	23.863
96.	23.515	35.722	3.82	23.495	24.339
153.	21.472	35.783	3.60	21.442	24.970
298.	13.604	35.058	3.60	13.562	26.324
570.	6.915	34.486	4.17	6.861	27.033
796.	4.807	34.460	3.84	4.743	27.277
996.	3.976	34.507	3.60	3.901	27.404
1243.	3.276	34.565	3.33	3.186	27.521
1493.	2.815	34.601	3.24	2.710	27.593
1745.	2.483	34.628	3.28	2.361	27.644
1993.	2.254	34.650	3.37	2.114	27.682
2245.	2.128	34.669	3.54	1.968	27.709
2495.	2.052	34.681	3.70	1.871	27.726
2743.	1.977	34.694	3.96	1.774	27.744
2993.	1.921	34.705	4.05	1.695	27.759
3246.	1.856	34.713	4.22	1.607	27.772
3495.	1.822	34.716	4.20	1.548	27.779
3748.	1.807	34.719	4.24	1.507	27.784
3998.	1.819	34.719	4.22	1.491	27.785
4248.	1.839	34.719	4.19	1.482	27.786
4475.	1.866	34.720	4.20	1.482	27.787

* Calculated from CTD values

CAST TW2-87-OC-091 LAT 12 21.0S LONG 153 36.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.468	35.008	0.00	26.468	22.895
24.	26.476	35.008	0.00	26.470	22.894
37.	26.471	35.008	0.00	26.463	22.896
78.	24.566	35.456	0.00	24.549	23.824
97.	23.993	35.527	0.00	23.973	24.050
123.	23.045	35.693	0.00	23.020	24.455
147.	21.674	35.753	0.00	21.645	24.891
296.	14.763	35.144	0.00	14.718	26.145
596.	6.571	34.469	0.00	6.516	27.066
796.	4.883	34.462	0.00	4.819	27.270
995.	3.928	34.512	0.00	3.853	27.413
1244.	3.268	34.567	0.00	3.178	27.523
1492.	2.812	34.603	0.00	2.707	27.595
1746.	2.480	34.629	0.00	2.358	27.645
1995.	2.281	34.650	0.00	2.141	27.680
2245.	2.111	34.671	0.00	1.952	27.712
2496.	2.038	34.687	0.00	1.857	27.732
2746.	1.952	34.703	0.00	1.750	27.753
2996.	1.912	34.709	0.00	1.686	27.763
3199.	1.885	34.712	0.00	1.640	27.769
3401.	1.835	34.716	0.00	1.570	27.777
3597.	1.813	34.719	0.00	1.529	27.783
3966.	1.815	34.719	0.00	1.491	27.785

CAST TW2-87-OC-093 LAT 12 00.1S LONG 153 45.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.456	35.016	4.67	26.456	22.904
23.	26.460	35.014*	4.67	26.455*	22.903*
49.	26.463	35.016	4.68	26.452	22.906
73.	24.974	35.252*	4.35	24.958*	23.546*
98.	23.896	35.542	3.52	23.875	24.090
150.	21.325	35.705	3.35	21.296	24.951
196.	19.094	35.593	3.53	19.059	25.461
249.	16.882	35.397	3.57	16.841	25.858
296.	15.087	35.226	3.59	15.042	26.138
345.	13.142	35.048	3.74	13.094	26.412
397.	11.324	34.873	3.92	11.274	26.627
496.	8.751	34.637	4.21	8.697	26.882
596.	7.128	34.516	4.30	7.070	27.028
706.	6.060	34.465	4.21	5.997	27.130
796.	5.459	34.457	4.05	5.391	27.199
894.	4.829	34.468	3.92	4.756	27.281
995.	4.360	34.488	3.80	4.282	27.349
1243.	3.487	34.550	3.45	3.395	27.489
1493.	2.956	34.592	3.30	2.849	27.573
1694.	2.597	34.620	3.23	2.478	27.628
1884.	2.400	34.638*	3.30	2.267*	27.660*
1994.	2.291	34.648	3.35	2.151	27.678
2167.	2.156	34.664	3.53	2.003	27.702

CAST TW2-87-OC-092 LAT 12 08.2S LONG 153 42.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.510	35.014	0.00	26.510	22.886
50.	26.519	35.014	0.00	26.508	22.887
78.	24.841	35.516	0.00	24.824	23.787
98.	23.947	35.617	0.00	23.926	24.132
137.	21.960	35.730	0.00	21.933	24.793
197.	19.106	35.589	0.00	19.071	25.455
295.	14.581	35.192	0.00	14.537	26.222
396.	11.078	34.840	0.00	11.029	26.646
496.	8.449	34.605	0.00	8.396	26.904
597.	6.976	34.504	0.00	6.919	27.039
695.	5.891	34.453	0.00	5.830	27.142
795.	5.098	34.456	0.00	5.032	27.240
894.	4.611	34.476	0.00	4.540	27.312
1008.	4.098	34.503	0.00	4.021	27.389
1247.	3.416	34.557	0.00	3.325	27.501
1495.	2.924	34.595	0.00	2.817	27.578
1743.	2.539	34.625	0.00	2.416	27.637
1995.	2.332	34.644	0.00	2.191	27.671
2496.	2.054	34.681	0.00	1.873	27.726
2998.	1.887	34.707	0.00	1.662	27.763
3256.	1.833	34.714	0.00	1.583	27.775
3491.	1.820	34.717	0.00	1.546	27.780
3718.	1.805	34.718	0.00	1.508	27.783

CAST TW2-87-OC-094 LAT 11 51.1S LONG 153 47.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	26.459	35.036	4.70	26.459	22.919
19.	26.456	35.038*	0.00	26.452*	22.922*
29.	26.432	35.044*	0.00	26.426*	22.935*
38.	25.570	35.248	4.35	25.562	23.358
49.	25.080	35.275*	0.00	25.069*	23.530*
59.	24.987	35.300*	0.00	24.974*	23.578*
71.	24.703	35.344*	0.00	24.688*	23.698*
76.	24.262	35.407	3.98	24.246	23.878
99.	23.672	35.516	3.66	23.651	24.137
123.	22.409	35.648	3.43	22.384	24.603
148.	21.776	35.688	3.40	21.747	24.813
172.	19.961	35.647	3.52	19.929	25.275
198.	18.673	35.540*	0.00	18.638*	25.527*
222.	17.431	35.436	3.61	17.394	25.755
247.	16.318	35.338*	0.00	16.278*	25.944*
271.	15.598	35.276	3.65	15.556	26.062
296.	14.579	35.186	0.00	14.535	26.218
346.	12.913	35.021	3.80	12.865	26.437
395.	12.235	34.957	3.84	12.182	26.521
446.	10.467	34.797	4.07	10.413	26.722
474.	9.648	34.706*	0.00	9.594*	26.791*

* Calculated from CTD values

CAST TW2-87-OC-095 LAT 13 50.2S LONG 153 15.6E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.180	35.117	4.68	26.180	23.067
22.	26.180	35.117	4.70	26.175	23.069
49.	26.178	35.117	4.68	26.167	23.071
72.	26.155	35.122	4.75	26.139	23.084
108.	24.114	35.602	3.86	24.091	24.072
161.	21.726	35.801	3.53	21.694	24.914
396.	10.698	34.790	3.48	10.650	26.675
593.	6.358	34.464	4.15	6.304	27.090
795.	4.938	34.469	3.88	4.873	27.269
993.	4.005	34.511	3.60	3.930	27.405
1245.	3.337	34.563	3.33	3.247	27.513
1495.	2.861	34.601	3.18	2.755	27.589
1746.	2.520	34.625	3.20	2.397	27.639
2032.	2.310	34.646	3.33	2.166	27.675
2244.	2.185	34.661	3.43	2.024	27.698
2491.	2.060	34.678	3.62	1.879	27.723
2748.	2.007	34.693	3.83	1.803	27.741
2994.	1.949	34.693	4.09	1.723	27.747
3193.	1.902	34.711	4.12	1.657	27.767
3494.	1.840	34.717	4.24	1.566	27.778
3747.	1.827	34.719	4.23	1.526	27.783
4000.	1.830	34.720	4.22	1.502	27.785
4673.	1.888	34.719	4.30	1.480	27.786

CAST TW2-87-OC-097 LAT 14 30.9S LONG 151 58.8E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.388	35.017	4.66	26.388	22.927
29.	26.353	35.015	4.68	26.347	22.938
57.	26.356	35.016	4.67	26.343	22.940
113.	23.745	35.588	3.87	23.721	24.171
122.	23.221	35.666	3.80	23.196	24.384
172.	21.127	35.737	3.56	21.094	25.031
198.	20.235	35.668	3.78	20.198	25.220
247.	18.303	35.543	3.90	18.260	25.625
296.	15.948	35.345	3.93	15.901	26.037
346.	13.585	35.091	3.83	13.536	26.355
398.	11.692	34.900	3.89	11.641	26.580
498.	8.513	34.599	4.14	8.460	26.889
547.	7.353	34.512	4.12	7.299	26.993
597.	6.608	34.467	4.11	6.553	27.060
646.	6.056	34.455	3.97	5.999	27.122
695.	5.696	34.448	3.96	5.636	27.162
746.	5.284	34.450	3.96	5.222	27.213
795.	4.945	34.462	3.87	4.880	27.263
997.	3.973	34.512	3.53	3.898	27.409
1993.	2.303	34.646	3.28	2.163	27.675
2995.	1.919	34.707	4.04	1.693	27.761
4000.	1.833	34.721	4.22	1.504	27.786
4707.	1.895	34.721	4.19	1.483	27.788

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CAST TW2-87-OC-096 LAT 14 29.7S LONG 153 00.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.094	35.144	4.65	26.094	23.115
23.	26.101	35.143	4.68	26.096	23.113
59.	26.110	35.145	4.68	26.097	23.114
112.	24.519	35.568	4.00	24.495	23.925
196.	20.684	35.706	3.58	20.647	25.129
397.	11.754	34.872	3.78	11.703	26.547
596.	6.435	34.456	4.22	6.381	27.074
996.	3.914	34.509	3.69	3.839	27.412
1495.	2.766	34.606	3.23	2.661	27.601
1746.	2.481	34.629	3.29	2.359	27.645
1993.	2.288	34.647	3.35	2.148	27.677
2241.	2.136	34.663	3.48	1.976	27.704
2497.	2.048	34.680	3.66	1.867	27.726
2745.	1.989	34.694	3.94	1.786	27.743
2996.	1.928	34.705	4.06	1.702	27.758
3195.	1.879	34.711	4.24	1.634	27.768
3390.	1.843	34.715	4.20	1.579	27.776
3596.	1.823	34.718	4.30	1.538	27.781
3796.	1.820	34.718	4.25	1.514	27.783
3995.	1.829	34.719	4.25	1.501	27.785
4199.	1.844	34.719	4.24	1.493	27.785
4401.	1.860	34.720	0.00	1.485	27.787
4698.	1.894	34.719	0.00	1.483	27.786

CAST TW2-87-OC-098 LAT 14 59.7S LONG 151 29.3E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	25.800	35.140	4.73	25.800	23.203
38.	25.792	35.137	4.71	25.783	23.206
78.	25.607	35.164	4.76	25.590	23.286
97.	24.236	35.541	3.94	24.215	23.989
184.	20.673	35.682*	3.74	20.638*	25.113*
296.	16.433	35.416	4.00	16.385	25.980
646.	6.395	34.455	4.36	6.336	27.079
994.	3.975	34.503	3.77	3.900	27.401
1244.	3.351	34.556	3.47	3.261	27.506
1497.	2.907	34.597	3.23	2.800	27.581
1745.	2.578	34.623	3.21	2.455	27.632
1996.	2.368	34.640	3.29	2.226	27.665
2194.	2.203	34.664	3.58	2.046	27.699
2341.	2.136	34.675	3.71	1.968	27.714
2494.	2.065	34.689	3.85	1.884	27.732
2645.	1.994	34.699	4.02	1.800	27.746
2795.	1.937	34.705	4.05	1.730	27.756
2997.	1.869	34.713	4.14	1.644	27.769
3246.	1.816	34.716	4.21	1.568	27.777
3498.	1.802	34.718	4.24	1.528	27.782
3745.	1.803	34.728	4.23	1.503	27.792
3998.	1.817	34.721	4.25	1.489	27.787
4161.	1.822	34.720	4.29	1.476	27.787

* Calculated from CTD values

CAST TW2-87-OC-099 LAT 15 12.8S LONG 151 19.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	25.828	35.143	4.71	25.828	23.197
24.	25.835	35.143*	4.73	25.830*	23.196*
38.	25.817	35.145	4.73	25.809	23.204
59.	25.785	35.155*	4.69	25.772*	23.223*
78.	25.013	35.406	4.37	24.996	23.651
89.	24.462	35.456*	4.21	24.443*	23.856*
99.	24.087	35.490	4.02	24.066	23.994
109.	23.439	35.510*	4.15	23.416*	24.201*
128.	22.841	35.588*	3.85	22.815*	24.435*
156.	21.969	35.708	3.57	21.938	24.775
199.	20.184	35.658	3.90	20.147	25.226
398.	12.330	34.973	3.92	12.277	26.515
677.	5.958	34.443	4.22	5.898	27.126
796.	5.109	34.448	3.98	5.043	27.233
995.	4.003	34.499	3.74	3.928	27.395
1245.	3.432	34.551	3.43	3.341	27.495
1494.	2.983	34.591	3.22	2.876	27.570
1994.	2.290	34.652	3.42	2.150	27.681
2495.	2.020	34.692	3.87	1.840	27.738
2745.	1.940	34.704	4.06	1.738	27.755
2996.	1.861	34.712	4.11	1.636	27.769
3195.	1.833	34.715	4.18	1.589	27.775
3451.	1.801	34.717	4.23	1.532	27.781

CAST TW2-87-OC-101 LAT 15 42.0S LONG 150 48.3E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	25.169	35.294	4.79	25.169	23.514
27.	25.175	35.291	4.79	25.169	23.511
58.	25.101	35.317	4.78	25.088	23.556
89.	25.059	35.332	4.77	25.040	23.582
123.	23.445	35.473	4.39	23.420	24.172
167.	21.229	35.643	3.93	21.197	24.931
197.	19.730	35.649	3.96	19.694	25.339
246.	17.407	35.486	3.99	17.366	25.801
296.	15.634	35.302	3.98	15.588	26.075
344.	13.803	35.140	3.95	13.753	26.348
396.	12.567	35.001	3.86	12.513	26.491
446.	10.981	34.856	4.08	10.926	26.677
497.	9.877	34.731	4.13	9.819	26.773
546.	9.007	34.639	4.21	8.947	26.844
595.	7.936	34.546	4.30	7.875	26.936
645.	7.289	34.504	4.17	7.226	26.997
695.	6.497	34.467	4.07	6.433	27.076
745.	6.006	34.454	4.09	5.940	27.129
799.	5.408	34.444	4.07	5.340	27.195
992.	4.212	34.487	3.82	4.135	27.364
1130.	3.771	34.520	3.66	3.686	27.436

CAST TW2-87-OC-100 LAT 15 29.1S LONG 151 02.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	25.119	35.310	4.79	25.119	23.541
47.	25.112	35.320	4.77	25.102	23.554
88.	25.103	35.322	4.82	25.084	23.561
137.	23.110	35.498	4.25	23.082	24.289
183.	20.878	35.661	3.90	20.843	25.041
196.	20.240	35.656	3.93	20.203	25.210
397.	12.868	35.005	3.83	12.813	26.435
601.	7.479	34.515	3.98	7.419	26.978
796.	5.535	34.446	4.04	5.467	27.181
993.	4.250	34.488	3.89	4.173	27.361
1242.	3.478	34.544	3.52	3.387	27.485
1393.	3.264	34.564	3.40	3.162	27.522
1502.	2.832	34.602	3.26	2.726	27.592

CAST TW2-87-OC-102 LAT 16 00.1S LONG 150 29.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	25.592	35.183	4.71	25.592	23.300
38.	25.432	35.200	4.72	25.424	23.365
77.	24.746	35.397	4.71	24.729	23.725
97.	23.540	35.462	4.43	23.520	24.134
123.	22.755	35.531*	4.14	22.730*	24.416*
179.	20.773	35.656	3.95	20.739	25.066
197.	19.791	35.653	3.96	19.755	25.326
396.	12.526	34.995	3.98	12.472	26.494
644.	6.444	34.463	4.12	6.385	27.079
796.	5.385	34.451	4.02	5.318	27.203
1011.	4.284	34.487	3.82	4.205	27.357

* Calculated from CTD values

CAST TW2-87-OC-103 LAT 16 43.7S LONG 149 43.5E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	25.357	35.186	4.74	25.357	23.375
29.	25.361	35.186	4.75	25.355	23.375
57.	25.339	35.184	4.74	25.326	23.382
88.	25.180	35.263	4.62	25.161	23.493
108.	23.911	35.484	4.13	23.888	24.043
157.	21.555	35.728	3.53	21.524	24.905
197.	19.936	35.653	3.66	19.899	25.288
247.	18.257	35.531	3.84	18.214	25.627
298.	15.972	35.322	3.79	15.925	26.014
346.	14.315	35.174	3.91	14.264	26.266
386.	13.287	35.067	3.95	13.233	26.398
446.	11.384	34.864	3.90	11.327	26.610
488.	9.953	34.739	4.04	9.896	26.766

CAST TW2-87-OC-105 LAT 17 55.4S LONG 148 27.1E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	24.893	35.257	4.76	24.893	23.570
39.	24.905	35.257	4.75	24.897	23.569
80.	24.912	35.258	4.75	24.895	23.570
99.	24.915	35.260	4.74	24.894	23.572
149.	22.278	35.593	3.86	22.248	24.600
218.	19.992	35.651	3.92	19.952	25.273
296.	17.204	35.469	3.92	17.154	25.838
395.	13.738	35.129	3.95	13.681	26.354
496.	9.989	34.748	4.09	9.931	26.767
597.	7.652	34.545	4.24	7.592	26.977
798.	52.751	34.463	4.06	52.439	12.114
1009.	4.087	34.501	3.71	4.010	27.388

CAST TW2-87-OC-104 LAT 17 17.8S LONG 149 00.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	24.999	35.240	4.73	24.999	23.525
37.	25.006	35.240	4.74	24.998	23.525
74.	25.009	35.241	4.78	24.993	23.527
98.	24.838	35.249	4.69	24.817	23.587
112.	24.073	35.446	4.20	24.049	23.966
138.	22.684	35.647	3.66	22.656	24.525
196.	20.028	35.621	3.84	19.992	25.239
296.	16.531	35.380	3.80	16.483	25.929
397.	13.692	35.110	3.90	13.635	26.349
595.	7.828	34.556	4.22	7.767	26.960
862.	4.667	34.472	3.86	4.598	27.302

CAST TW2-87-OC-106 LAT 17 58.1S LONG 148 16.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	24.713	35.310	4.77	24.713	23.664
37.	24.718	35.308	4.76	24.710	23.664
79.	23.863	35.449	4.22	23.846	24.029
100.	23.119	35.511	4.11	23.099	24.294
113.	22.410	35.572	3.91	22.387	24.545
189.	20.131	35.654	3.88	20.096	25.237
196.	20.060	35.650	3.88	20.024	25.253
395.	13.453	35.097	3.96	13.397	26.388
595.	7.955	34.571	4.36	7.894	26.953
795.	5.578	34.459	4.24	5.509	27.186
1070.	3.873	34.515	3.66	3.793	27.422

CAST TW2-87-OC-107 LAT 18 02.2S LONG 147 56.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	25.093	35.200	4.76	25.093	23.466
40.	25.086	35.200	4.74	25.077	23.471
78.	24.740	35.232	4.63	24.723	23.602
98.	24.080	35.377	4.25	24.059	23.911
173.	20.969	35.658	3.77	20.936	25.014
197.	20.160	35.656	3.84	20.123	25.231
297.	16.538	35.422	3.96	16.490	25.960
396.	12.818	35.035	3.98	12.764	26.468
496.	10.224	34.791	4.22	10.165	26.761
595.	8.187	34.591	4.34	8.125	26.934
797.	5.884	34.462	4.26	5.813	27.151
994.	4.567	34.473	3.93	4.488	27.315
1142.	3.933	34.509	3.68	3.846	27.411

CAST TW2-87-OC-109 LAT 18 09.1S LONG 147 28.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	25.387	35.178	4.78	25.387	23.359
40.	25.398	35.171	4.78	25.389	23.353
79.	25.028	35.172*	0.00	25.011*	23.470*
97.	24.558	35.340	4.23	24.537	23.740
148.	20.962	35.680	3.74	20.934	25.031
198.	18.560	35.579	3.89	18.525	25.586
297.	15.082	35.261	3.97	15.037	26.166
395.	12.584	35.014	3.98	12.530	26.498
494.	10.108	34.769	4.14	10.050	26.764
597.	8.914	34.656	4.26	8.848	26.873
703.	7.762	34.560	4.38	7.690	26.974
826.	5.945	34.467	4.23	5.871	27.148

CAST TW2-87-OC-108 LAT 18 05.2S LONG 147 42.8E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	25.294	35.183	4.75	25.294	23.392
37.	25.305	35.182	4.73	25.297	23.390
80.	25.301	35.180	4.73	25.283	23.393
98.	24.484	35.303	4.34	24.463	23.734
174.	20.774	35.679	0.00	20.741	25.083
198.	19.565	35.627	3.75	19.529	25.365
295.	15.935	35.361	3.97	15.888	26.052
395.	12.410	34.997	4.00	12.357	26.518
496.	9.077	34.676	4.22	9.022	26.861
543.	8.638	34.637	4.28	8.580	26.901
793.	6.503	34.483	4.35	6.429	27.089
1077.	4.304	34.487	3.81	4.219	27.355

* Calculated from CTD values

CAST TW3-87-OC-001 LAT 18 03.6S LONG 147 18.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	24.861	35.219	4.65	24.861	23.551
14.	24.860	35.217	4.75	24.857	23.550
28.	24.871	35.217	4.74	24.865	23.548
49.	24.877	35.218	4.74	24.867	23.548
73.	24.878	35.219	4.75	24.862	23.550
97.	24.280	35.321	4.54	24.259	23.809
131.	21.813	35.663	3.59	21.787	24.783
198.	18.438	35.569	3.84	18.403	25.609
243.	16.849	35.433	3.94	16.809	25.893
297.	15.424	35.307	3.96	15.378	26.126
395.	13.433	35.104	3.93	13.377	26.398
480.	10.863	34.841	4.13	10.804	26.688
479.	10.812	34.835	4.14	10.753	26.692
480.	10.746	34.832	0.00	10.687	26.701

CAST TW3-87-OC-003 LAT 11 23.2S LONG 154 31.9E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.004	35.086	4.64	26.004	23.099
14.	26.019	35.085	4.63	26.016	23.094
28.	26.017	35.085	4.62	26.011	23.096
48.	25.348	35.257	4.43	25.338	23.434
73.	23.998	35.554	3.75	23.983	24.068
98.	23.887	35.563	3.70	23.866	24.109
123.	22.394	35.754	3.54	22.369	24.688
138.	21.947	35.725	3.32	21.920	24.793
196.	18.942	35.577	3.60	18.907	25.487
246.	16.458	35.352	3.58	16.418	25.923
293.	14.322	35.154	3.65	14.279	26.248
394.	10.386	34.777	3.93	10.339	26.720
496.	7.971	34.589	4.11	7.920	26.963
743.	5.878	34.462	4.09	5.813	27.151
992.	4.428	34.483	3.76	4.350	27.338
1243.	3.484	34.544	3.39	3.393	27.484
1492.	3.075	34.577	3.26	2.967	27.551
1707.	2.674	34.609	3.22	2.553	27.613
1998.	2.330	34.641	3.30	2.189	27.669
2258.	2.225	34.652	3.38	2.063	27.688

CAST TW3-87-OC-002 LAT 12 22.1S LONG 153 26.8E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.078	35.089	4.63	26.078	23.078
29.	26.073	35.089	4.61	26.066	23.082
29.	26.073	35.089	4.63	26.066	23.082
146.	21.526	35.740	3.24	21.498	24.922
766.	5.510	34.461	4.05	5.445	27.196
768.	5.509	34.461	4.03	5.443	27.196
766.	5.507	34.461	4.10	5.442	27.196
1454.	2.989	34.593	3.22	2.885	27.571
1454.	2.992	34.592	3.22	2.888	27.570
1452.	2.993	34.592*	0.00	2.889*	27.570*
1488.	2.930	34.597*	0.00	2.824*	27.579*
1992.	2.321	34.646*	0.00	2.180*	27.674*
1994.	2.319	34.646	3.32	2.178	27.674
2394.	2.078	34.676	3.33	1.906	27.720
2592.	2.037	34.687	3.72	1.847	27.733
2799.	1.978	34.700	3.89	1.770	27.749
3025.	1.917	34.708*	0.00	1.688*	27.762*
3027.	1.918	34.706*	0.00	1.689*	27.760*
3028.	1.918	34.707	4.01	1.689	27.761

CAST TW3-87-OC-004 LAT 11 15.8S LONG 154 45.9E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.242	35.029	4.62	26.242	22.982
28.	26.255	35.029	4.65	26.249	22.979
27.	26.253	35.029*	0.00	26.247*	22.980*
59.	26.248	35.037	4.63	26.235	22.990
59.	26.232	35.041*	0.00	26.219*	22.998*
85.	25.137	35.483	4.26	25.119	23.672
87.	25.111	35.488*	0.00	25.092*	23.684*
128.	22.598	35.748	3.35	22.572	24.626
128.	22.615	35.749*	0.00	22.589*	24.622*
195.	19.312	35.601	3.44	19.277	25.411
247.	16.334	35.338	3.55	16.294	25.941
297.	13.708	35.090	3.63	13.665	26.327
395.	10.142	34.756	4.01	10.095	26.745
487.	7.896	34.565	4.17	7.847	26.955
598.	6.585	34.490	4.20	6.530	27.081
695.	5.723	34.461	4.09	5.663	27.169
746.	5.471	34.458	4.05	5.408	27.198
797.	5.092	34.462	3.98	5.026	27.246
843.	4.852	34.465	3.90	4.784	27.276
896.	4.684	34.473	3.79	4.612	27.301
994.	4.620	34.476	3.84	4.540	27.312
1394.	3.215	34.572	3.31	3.114	27.533
1736.	2.633	34.618	3.20	2.510	27.624

* Calculated from CTD values

CAST TW3-87-OC-005 LAT 11 10.2S LONG 154 59.1E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	26.097	35.077	4.64	26.097	23.063
14.	26.105	35.075	4.64	26.102	23.060
30.	26.107	35.075	4.47	26.100	23.061
49.	26.116	35.074	4.64	26.105	23.058
73.	25.581	35.296	4.42	25.565	23.394
97.	24.172	35.679	3.87	24.151	24.112
126.	22.746	35.827	3.32	22.720	24.643
148.	21.271	35.701*	3.67	21.242*	24.963*
197.	18.421	35.516	0.00	18.387	25.572
246.	14.505	35.130	3.48	14.468	26.189
298.	11.656	34.884	3.81	11.618	26.572
397.	9.638	34.705	4.03	9.593	26.791
397.	9.638	34.708*	0.00	9.593*	26.793*
495.	7.978	34.570	4.21	7.927	26.947
751.	5.413	34.462	4.04	5.349	27.208
994.	4.437	34.486	3.78	4.359	27.339
1181.	3.560	34.544	3.44	3.473	27.476

CAST TW3-87-OC-007 LAT 10 56.5S LONG 155 26.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.374	34.965	4.65	26.374	22.892
24.	26.390	34.964	4.62	26.385	22.888
24.	26.390	34.964	4.64	26.385	22.888
39.	26.394	34.964	4.61	26.385	22.887
51.	26.395	34.964	4.64	26.384	22.888
51.	26.395	34.964	4.62	26.384	22.888
75.	24.920	35.504	4.15	24.904	23.753
99.	24.101	35.819	3.55	24.080	24.239
124.	21.801	35.837	3.42	21.776	24.918
149.	20.255	35.700	3.47	20.227	25.237
197.	16.998	35.364	3.43	16.965	25.803
249.	14.500	35.131	3.21	14.463	26.191
297.	12.794	34.956	3.35	12.753	26.409
348.	10.716	34.796	3.48	10.674	26.676
397.	9.241	34.660	3.68	9.197	26.821
449.	8.210	34.580	3.95	8.163	26.920
498.	6.447	34.482	4.10	6.402	27.092
547.	5.861	34.462	4.06	5.814	27.151
596.	5.482	34.463	4.00	5.432	27.199
697.	5.289	34.462	3.98	5.231	27.222
813.	4.722	34.478	3.86	4.657	27.300
993.	4.042	34.511	3.65	3.967	27.401
1479.	2.932	34.598	3.22	2.827	27.580

CAST TW3-87-OC-006 LAT 11 03.3S LONG 155 12.6E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.207	35.005	4.65	26.207	22.974
24.	26.216	35.005	4.65	26.211	22.973
23.	26.215	35.001*	0.00	26.210*	22.970*
49.	26.205	35.038	4.63	26.194	23.003
50.	26.207	35.039*	0.00	26.196*	23.004*
75.	24.506	35.677	3.93	24.490	24.009
74.	24.688	35.677*	0.00	24.672*	23.954*
98.	23.101	35.805	3.60	23.081	24.522
97.	23.097	35.803*	0.00	23.077*	24.522*
123.	22.252	35.811	3.55	22.227	24.772
147.	21.371	35.774	3.57	21.342	24.991
197.	18.345	35.499	3.50	18.311	25.578
245.	16.346	35.311	3.39	16.306	25.917
297.	12.814	35.011	3.75	12.773	26.447
396.	8.409	34.595	3.86	8.367	26.900
496.	7.749	34.548	3.92	7.699	26.964
554.	6.533	34.469	4.08	6.482	27.071
596.	6.039	34.460	4.05	5.986	27.128
660.	5.924	34.459	4.05	5.866	27.142

CAST TW3-87-OC-008 LAT 10 36.8S LONG 155 57.6E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.687	34.890	4.64	26.687	22.736
14.	26.698	34.889	4.62	26.695	22.733
29.	26.672	34.887	4.61	26.665	22.741
42.	26.650	34.893	4.59	26.640	22.753
69.	24.721	35.601	3.91	24.706	23.887
69.	24.721	35.682*	0.00	24.706*	23.948*
80.	24.106	35.770	3.45	24.089	24.200
90.	23.481	35.787*	0.00	23.462*	24.398*
100.	22.802	35.870*	0.00	22.782*	24.658*
108.	22.123	35.826	3.65	22.102	24.819
199.	15.452	35.209	3.07	15.421	26.040
297.	12.163	34.918	3.32	12.124	26.502
487.	7.656	34.528	4.03	7.607	26.961
695.	5.668	34.463	4.07	5.608	27.177
894.	4.257	34.494	4.00	4.188	27.364
1497.	2.944	34.597	3.22	2.837	27.578
2496.	2.008	34.673	0.00	1.828	27.723
2804.	1.920	34.689	3.75	1.713	27.745
3194.	1.869	34.706	4.09	1.625	27.765
3895.	1.910	34.711	4.19	1.591	27.772

* Calculated from CTD values

CAST TW3-87-OC-009 LAT 10 33.4S LONG 156 04.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.709	34.830	4.64	26.709	22.684
13.	26.731	34.831	0.00	26.728	22.679
30.	26.734	34.834	0.00	26.727	22.682
49.	26.718	34.855	4.60	26.707	22.704
73.	24.910	35.677	3.64	24.894	23.887
99.	22.789	35.823	3.52	22.769	24.626
118.	21.701	35.743	3.28	21.678	24.874
149.	20.575	35.600	2.97	20.547	25.075
196.	17.015	35.336	3.07	16.983	25.777
297.	10.662	34.787	3.41	10.626	26.677
497.	7.099	34.513	4.02	7.051	27.028
694.	5.347	34.462	3.95	5.289	27.215
993.	3.982	34.516	3.56	3.907	27.411
1494.	3.002	34.595	3.16	2.895	27.571
2196.	2.160	34.658	3.36	2.004	27.697
2698.	1.927	34.690	3.69	1.730	27.744
2998.	1.894	34.699	3.86	1.669	27.756
3294.	1.871	34.707	4.05	1.617	27.766
3887.	1.914	34.710	4.10	1.596	27.770

CAST TW3-87-OC-011 LAT 10 25.0S LONG 156 19.8E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.759	34.836	0.00	26.759	22.673
14.	26.768	34.837	0.00	26.765	22.672
29.	26.767	34.836	4.63	26.760	22.673
46.	26.547	35.009	4.49	26.537	22.874
75.	23.617	35.703	3.44	23.601	24.293
100.	22.392	35.734	3.10	22.372	24.672
109.	21.957	35.725	3.04	21.935	24.788
119.	21.498	35.698	2.96	21.475	24.896
197.	16.899	35.322	3.04	16.867	25.794
296.	12.305	34.932	3.19	12.266	26.486
495.	7.176	34.514	4.09	7.128	27.018
695.	5.336	34.460	3.96	5.278	27.215
994.	3.746	34.529	3.49	3.673	27.445
1492.	2.821	34.607	3.13	2.716	27.597
1997.	2.287	34.648	3.23	2.146	27.678
2495.	2.045	34.672	3.39	1.864	27.720
3030.	1.870	34.706	3.93	1.642	27.764
3136.	1.868	34.708	3.99	1.630	27.766
3234.	1.877	34.709	3.96	1.629	27.767

CAST TW3-87-OC-010 LAT 10 28.9S LONG 156 12.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.800	34.829	4.87	26.800	22.655
30.	26.830	34.828	0.00	26.823	22.647
49.	26.826	34.827*	0.00	26.815*	22.648*
71.	25.435	35.504	4.20	25.419	23.596
99.	23.811	35.729	3.41	23.790	24.257
109.	22.658	35.802	3.43	22.636	24.648
121.	22.039	35.809	3.64	22.015	24.830
197.	17.052	35.355	3.22	17.019	25.783
295.	12.170	34.916	3.38	12.131	26.499
499.	7.373	34.528	4.09	7.324	27.002
694.	5.099	34.456	3.95	5.042	27.239
993.	3.810	34.520	3.56	3.736	27.431
1496.	2.933	34.594	3.38	2.826	27.577
2194.	2.139	34.654	3.31	1.984	27.696
2694.	1.979	34.676	3.59	1.781	27.729
2998.	1.904	34.694	3.84	1.678	27.751
3288.	1.890	34.708	3.99	1.636	27.766
3597.	1.892	34.702	0.00	1.606	27.763

CAST TW3-87-OC-012 LAT 10 20.8S LONG 156 26.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.581	34.926	0.00	26.581	22.797
13.	26.581	34.926	0.00	26.578	22.798
28.	26.591	34.926	0.00	26.585	22.796
49.	26.563	34.947	4.59	26.552	22.822
73.	25.066	35.573	4.11	25.050	23.761
81.	24.494	35.661	3.88	24.477	24.001
99.	22.979	35.725	3.33	22.959	24.497
144.	19.848	35.610	3.30	19.821	25.276
197.	16.179	35.264	3.02	16.148	25.918
296.	11.901	34.915	3.41	11.862	26.550
484.	7.098	34.519	4.17	7.052	27.033
695.	5.274	34.463	4.00	5.216	27.224
995.	3.930	34.514	3.74	3.855	27.415
1495.	2.802	34.609	3.40	2.697	27.600
2194.	2.147	34.660	3.40	1.991	27.700
2695.	1.913	34.693	3.77	1.716	27.748
2996.	1.877	34.703	3.98	1.652	27.761
3297.	1.863	34.711	4.10	1.608	27.770
3649.	1.874	34.715	4.16	1.582	27.775

* Calculated from CTD values

CAST TW3-87-OC-013 LAT 10 11.1S LONG 156 39.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.602	34.959	4.62	26.602	22.815
23.	26.569	34.962	0.00	26.564	22.830
60.	24.529	35.633	3.67	24.516	23.968
92.	22.481	35.780	3.41	22.463	24.681
145.	18.829	35.513	3.03	18.803	25.465
196.	14.366	35.112	3.18	14.337	26.203
248.	11.465	34.857	3.11	11.434	26.585
350.	8.963	34.665	3.76	8.925	26.868
445.	7.513	34.556	3.91	7.469	27.003
546.	6.351	34.483	4.10	6.302	27.105
595.	6.051	34.486	3.99	5.998	27.147
644.	5.593	34.476	3.85	5.538	27.196
695.	5.276	34.482	3.83	5.218	27.239
747.	5.029	34.488	3.94	4.968	27.273
797.	4.797	34.492	3.73	4.733	27.303
895.	4.446	34.503	3.61	4.376	27.351
996.	4.313	34.512	3.75	4.235	27.373
1997.	2.299	34.646	3.28	2.158	27.675
3250.	1.875	34.709	4.02	1.625	27.767

CAST TW3-87-OC-014 LAT 10 03.6S LONG 156 52.6E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.598	34.948	4.61	26.598	22.808
28.	26.604	34.951	0.00	26.598	22.811
50.	25.790	35.409	4.16	25.779	23.413
75.	23.827	35.759	3.59	23.811	24.274
89.	22.129	35.696	3.09	22.111	24.717
99.	22.005	35.683	3.06	21.985	24.743
123.	19.866	35.580	3.02	19.843	25.247
195.	15.384	35.202	3.11	15.354	26.050
297.	10.901	34.809	3.45	10.864	26.652
496.	6.525	34.502	0.00	6.480	27.097
694.	5.288	34.474	3.87	5.230	27.231
994.	4.219	34.520	0.00	4.142	27.390
1482.	2.921	34.601	3.07	2.815	27.583
1895.	2.425	34.634	3.16	2.291	27.655
2195.	2.188	34.656	3.31	2.032	27.694
2494.	2.008	34.677	3.55	1.828	27.726
2798.	1.925	34.690	3.89	1.718	27.745
3199.	1.876	34.706	4.07	1.631	27.765

CAST TW3-87-OC-015 LAT 09 54.7S LONG 157 07.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.594	34.944	4.60	26.594	22.807
29.	26.607	34.943	4.61	26.600	22.804
49.	26.608	34.948	4.61	26.597	22.809
64.	24.298	35.691	3.46	24.284	24.082
79.	22.848	35.711	3.15	22.832	24.523
99.	22.055	35.676	3.06	22.035	24.723
123.	20.138	35.622	3.26	20.115	25.207
197.	16.136	35.268	3.07	16.105	25.931
298.	10.314	34.761	3.45	10.279	26.718
496.	6.579	34.498*	0.00	6.534*	27.087*
698.	5.338	34.481	3.82	5.280	27.231
995.	4.153	34.505	3.60	4.077	27.385
1493.	2.986	34.598	3.08	2.879	27.575
2198.	2.194	34.656	3.28	2.037	27.693
2698.	1.947	34.683	3.57	1.749	27.737
2974.	1.912	34.699	3.86	1.689	27.755
3496.	1.871	34.713	4.10	1.596	27.773
4347.	1.924	34.716	4.16	1.554	27.778

CAST TW3-87-OC-016 LAT 09 45.7S LONG 157 19.9E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.586	34.918	4.60	26.586	22.790
24.	26.596	34.919	4.61	26.591	22.789
46.	26.578	34.932	4.60	26.568	22.806
98.	22.170	35.775	3.37	22.150	24.766
148.	18.085	35.473	3.25	18.059	25.621
197.	15.397	35.202	3.12	15.367	26.047
247.	12.242	34.928	3.18	12.209	26.494
298.	10.201	34.734	3.52	10.166	26.716
347.	8.661	34.614*	0.00	8.624*	26.876*
396.	7.687	34.557	3.99	7.648	26.978
445.	7.210	34.518*	0.00	7.167*	27.016*
496.	6.650	34.506*	0.00	6.604*	27.084*
547.	6.329	34.474	4.05	6.280	27.101
597.	6.047	34.477	3.99	5.994	27.140
697.	5.589	34.477	3.91	5.529	27.198
799.	5.043	34.478	3.83	4.977	27.264
1000.	4.298	34.500	3.64	4.220	27.365
1493.	2.938	34.597	3.15	2.831	27.579
3633.	11.856	26.228*	0.00	11.362*	19.896*

* Calculated from CTD values

CAST TW3-87-OC-017 LAT 09 37.7S LONG 157 32.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.642	34.885*	0.00	26.642*	22.747*
22.	26.641	34.886	4.61	26.636	22.750
22.	26.639	34.886	4.60	26.634	22.750
48.	26.611	34.946*	0.00	26.600*	22.806*
49.	26.632	34.931*	0.00	26.621*	22.788*
70.	24.829	35.575*	0.00	24.814*	23.834*
69.	24.860	35.570*	0.00	24.845*	23.821*
88.	23.261	35.677	3.18	23.243	24.378
87.	23.482	35.677	3.19	23.464	24.314
97.	22.674	35.663	3.05	22.654	24.538
108.	22.057	35.656*	0.00	22.036*	24.708*
123.	20.726	35.591	2.95	20.703	25.026
198.	15.871	35.252*	0.00	15.840*	25.979*
299.	10.249	34.756	3.50	10.214	26.725
496.	6.797	34.495	4.18	6.751	27.055
692.	5.741	34.475	3.92	5.681	27.178
998.	4.505	34.505	3.62	4.426	27.347
1491.	3.014	34.592	3.33	2.907	27.568
2193.	2.150	34.659*	0.00	1.994*	27.699*
2697.	1.940	34.686	3.89	1.742	27.740
3013.	1.910	34.700	3.87	1.683	27.756
3501.	1.845	34.715*	0.00	1.570*	27.776*
3967.	1.852	34.712*	0.00	1.527*	27.777*

CAST TW3-87-OC-019 LAT 09 20.7S LONG 157 56.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	27.057	34.850	4.66	27.057	22.589
50.	27.032	34.856	4.54	27.021	22.605
84.	23.248	35.608	3.07	23.231	24.330
123.	19.549	35.577	3.33	19.527	25.327
147.	18.743	35.497	3.28	18.717	25.474
198.	15.140	35.160	3.15	15.110	26.072
242.	12.928	34.987	3.13	12.895	26.405
296.	10.854	34.816	3.30	10.818	26.666
597.	6.258	34.508*	0.00	6.204*	27.138*
892.	4.687	34.499	3.73	4.616	27.322
1195.	3.711	34.549	3.25	3.621	27.466
1495.	2.984	34.593	3.07	2.877	27.571
1795.	2.435	34.633	3.22	2.309	27.653
2101.	2.141	34.660	3.37	1.994	27.700
2296.	2.054	34.668	3.39	1.891	27.714
2497.	1.978	34.678	3.45	1.798	27.729
2894.	1.904	34.696	3.74	1.688	27.752
3098.	1.892	34.701	3.85	1.657	27.759
3299.	1.867	34.705*	0.00	1.612*	27.765*
3396.	1.865	34.711	4.04	1.600	27.771
3485.	1.859	34.714	4.09	1.585	27.774
3583.	1.831	34.714	4.09	1.548	27.777
3685.	1.831	34.712	4.06	1.537	27.776

CAST TW3-87-OC-018 LAT 09 28.2S LONG 157 44.8E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.938	34.852	4.61	26.938	22.628
48.	26.893	34.853	4.55	26.882	22.647
97.	22.664	35.691	3.11	22.644	24.562
125.	20.487	35.603	3.06	20.463	25.100
148.	18.529	35.449	3.14	18.503	25.492
199.	14.895	35.140	3.09	14.865	26.110
250.	11.940	34.906	3.20	11.907	26.534
298.	9.976	34.747	3.44	9.941	26.765
396.	7.990	34.587	3.97	7.950	26.957
498.	7.013	34.537	3.90	6.966	27.059
697.	5.501	34.489	3.80	5.442	27.218
892.	4.610	34.499	3.61	4.539	27.330
1096.	3.986	34.533	3.36	3.902	27.425
1301.	3.362	34.569	3.20	3.267	27.516
1493.	2.971	34.596	3.19	2.864	27.575
1995.	2.269	34.648	3.32	2.129	27.679
2498.	1.990	34.677	3.49	1.810	27.728
2896.	1.899	34.697	3.74	1.683	27.753
3098.	1.894	34.702	3.86	1.659	27.759
3297.	1.878	34.708	4.01	1.623	27.767
3491.	1.858	34.713	4.11	1.584	27.774
3759.	1.834	34.712	4.11	1.532	27.777
3859.	1.839	34.712	4.14	1.526	27.777

CAST TW3-87-OC-020 LAT 09 09.6S LONG 158 10.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
5.	27.264	34.728	4.64	27.263	22.431
22.	26.990	34.819	4.43	26.985	22.588
33.	26.776	34.963	4.20	26.768	22.766
49.	25.746	35.262	3.83	25.735	23.315
73.	23.770	35.528	3.32	23.755	24.115
98.	22.280	35.658	3.12	22.260	24.646
122.	20.353	35.623	3.13	20.330	25.151
149.	18.054	35.407	3.14	18.028	25.578
170.	16.881	35.347	3.32	16.853	25.817
197.	14.420	35.129	3.21	14.391	26.204
298.	9.795	34.735	3.54	9.761	26.786
396.	8.337	34.618	3.80	8.296	26.929
494.	6.750	34.534	3.79	6.704	27.092
596.	6.231	34.511	3.77	6.177	27.144
645.	5.883	34.504	3.74	5.827	27.183
697.	5.709	34.500	3.73	5.649	27.202
743.	5.443	34.493	3.72	5.380	27.229
795.	5.220	34.493	3.70	5.154	27.256
845.	5.120	34.493	3.67	5.050	27.268
895.	4.823	34.498	3.63	4.750	27.306
997.	4.440	34.510	3.52	4.361	27.358
1095.	4.085	34.530	3.39	4.001	27.412
1236.	3.557	34.561	3.25	3.465	27.491

* Calculated from CTD values

CAST TW3-87-OC-021 LAT 04 59.1S LONG 165 00.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.256	34.470	4.46	28.256	21.915
13.	28.272	34.846	4.45	28.269	22.193
29.	28.493	35.507	4.23	28.486	22.618
48.	28.042	35.537	3.79	28.031	22.791
74.	27.152	35.648	3.48	27.135	23.165
98.	25.974	35.817	3.25	25.952	23.667
123.	23.470	35.889	3.07	23.444	24.480
148.	20.346	35.633	2.77	20.318	25.161
198.	14.716	35.136	2.46	14.686	26.146
249.	11.262	34.853	2.43	11.231	26.619
297.	10.000	34.752	1.39	9.965	26.765
345.	9.371	34.703	2.43	9.332	26.832
398.	8.926	34.674	2.12	8.883	26.882
448.	8.385	34.642	2.35	8.338	26.942
495.	7.891	34.618	2.04	7.841	26.998
545.	7.332	34.591	1.96	7.279	27.058
596.	6.883	34.572	2.08	6.826	27.106
646.	6.323	34.546	2.55	6.264	27.160
697.	5.995	34.540	2.44	5.933	27.198
746.	5.727	34.540	2.27	5.662	27.232
795.	5.422	34.537	2.37	5.354	27.267
995.	4.657	34.540	2.46	4.577	27.359
1296.	3.563	34.573	2.64	3.466	27.500

CAST TW3-87-OC-023 LAT 03 00.6S LONG 164 59.8E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.464	34.120	4.61	28.464	21.583
12.	28.391	34.120	4.49	28.388	21.608
28.	28.392	34.127	4.55	28.385	21.614
49.	27.091	34.979	4.24	27.080	22.679
74.	25.238	35.313	3.72	25.222	23.512
98.	23.538	35.401	3.40	23.518	24.089
121.	22.716	35.535	3.15	22.691	24.430
150.	20.024	35.514	3.04	19.996	25.156
198.	14.737	35.162	3.29	14.707	26.162
250.	12.429	34.896	2.95	12.396	26.433
296.	11.241	34.817	2.14	11.204	26.596
349.	10.616	34.782	2.65	10.574	26.682
398.	9.946	34.735	2.47	9.900	26.763
445.	8.978	34.678	3.29	8.929	26.878
496.	7.734	34.593	3.03	7.684	27.001
545.	7.148	34.565	2.96	7.095	27.063
598.	6.749	34.557	2.51	6.693	27.112
644.	6.423	35.564	1.79	6.363	27.951
695.	5.702	34.532	2.71	5.642	27.228
744.	5.418	34.533	2.62	5.355	27.263
796.	5.094	34.544	2.20	5.028	27.311
995.	4.390	34.556	2.22	4.312	27.400
1295.	3.456	34.583	2.42	3.360	27.518

CAST TW3-87-OC-022 LAT 04 00.0S LONG 164 59.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.111	34.579	4.50	28.111	22.044
14.	28.127	34.580	4.49	28.124	22.041
28.	28.095	34.598	4.47	28.088	22.066
59.	26.846	35.138	4.09	26.833	22.877
73.	25.374	35.386	3.59	25.358	23.525
98.	24.119	35.394*	3.30	24.098*	23.912*
121.	23.209	35.533	2.99	23.184	24.286
147.	20.209	35.522	2.85	20.182	25.113
198.	13.810	35.057	2.12	13.782	26.278
248.	11.741	34.900	3.11	11.709	26.567
296.	10.124	34.760	2.79	10.089	26.750
347.	9.270	34.695	3.04	9.231	26.842
396.	8.590	34.644	3.10	8.548	26.911
446.	8.020	34.609	3.07	7.974	26.971
490.	7.541	34.593	2.36	7.492	27.029
545.	7.103	34.579	2.06	7.051	27.080
596.	6.602	34.564	1.90	6.547	27.137
645.	6.296	34.557	1.95	6.237	27.172
696.	5.997	34.554	1.79	5.935	27.209
743.	5.722	34.550	1.82	5.657	27.240
799.	5.381	34.544*	2.22	5.313*	27.277*
995.	4.508	34.553	2.15	4.429	27.385
1296.	3.593	34.576	2.46	3.496	27.500

CAST TW3-87-OC-024 LAT 02 00.2S LONG 165 12.1E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.325	34.156	4.55	28.325	21.656
95.	24.442	35.225	3.35	24.422	23.688
197.	14.601	35.140	3.28	14.572	26.174
297.	11.696	34.856	2.85	11.658	26.543
496.	8.255	34.615*	2.89	8.203*	26.941*
694.	5.789	34.527	2.91	5.728	27.213
895.	4.728	34.547	2.31	4.656	27.355
1295.	3.458	34.585	2.45	3.362	27.520
1494.	2.971	34.606	2.52	2.864	27.583
1695.	2.636	34.620	2.73	2.516	27.625
1893.	2.302	34.639	2.78	2.170	27.669
2095.	2.083	34.651	2.89	1.937	27.697
2293.	1.951	34.658	2.95	1.790	27.714
2496.	1.817	34.666	3.03	1.640	27.732
2700.	1.723	34.670	3.09	1.530	27.743
2897.	1.678	34.674	3.19	1.467	27.751
3099.	1.593	34.679	3.29	1.365	27.762
3299.	1.568	34.681	3.36	1.320	27.767
3500.	1.520	34.686	3.47	1.253	27.776
3698.	1.474	34.690	3.62	1.188	27.784
3899.	1.460	34.693	3.71	1.153	27.788
4095.	1.403	34.698	3.93	1.076	27.798
4299.	1.346	34.703	4.16	0.998	27.807
4422.	1.335	34.705	4.20	0.974	27.810

* Calculated from CTD values

CAST TW3-87-OC-025 LAT 02 02.3S LONG 165 10.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.346	34.166	4.54	28.346	21.657
12.	28.251	34.150	4.50	28.248	21.677
27.	28.250	34.170	4.54	28.244	21.693
49.	28.320	34.269	4.51	28.308	21.746
58.	27.992	34.382	0.00	27.978	21.939
70.	24.875	35.143	3.46	24.860	23.494
89.	24.645	35.220	0.00	24.626	23.623
95.	24.598	35.240	0.00	24.578	23.652
147.	19.749	35.414	3.17	19.722	25.152
196.	14.805	35.161	0.00	14.776	26.146
249.	12.499	34.920	2.99	12.466	26.437
295.	11.773	34.865	0.00	11.735	26.535
347.	11.051	34.808	2.60	11.008	26.625
397.	10.005	34.746	2.55	9.959	26.761
446.	9.677	34.716	2.58	9.626	26.794
496.	8.461	34.643	0.00	8.408	26.932
547.	7.550	34.582	0.00	7.496	27.020
595.	7.012	34.563	2.84	6.955	27.081
645.	6.360	34.546	0.00	6.301	27.155
695.	5.876	34.547	0.00	5.815	27.218
743.	5.511	34.540	0.00	5.448	27.258
795.	5.352	34.549	1.96	5.285	27.284
995.	4.401	34.558	2.25	4.323	27.401
1296.	3.437	34.588	0.00	3.341	27.524

CAST TW3-87-OC-027 LAT 01 00.0S LONG 165 00.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.451	34.154	4.52	28.451	21.613
14.	28.445	34.155	4.49	28.442	21.617
28.	28.429	34.176	4.47	28.422	21.639
47.	28.391	34.213	4.47	28.380	21.681
58.	28.361	34.225	0.00	28.347	21.701
88.	24.669	35.100	3.30	24.650	23.525
86.	24.660	35.100	0.00	24.642	23.527
119.	22.626	35.340	3.29	22.602	24.307
148.	18.736	35.334	3.29	18.710	25.351
171.	15.992	35.244	3.41	15.965	25.944
197.	14.197	35.058	3.29	14.168	26.197
226.	13.330	34.905	0.00	13.298	26.260
256.	13.085	34.950	3.14	13.050	26.345
297.	11.284	34.828	2.73	11.247	26.597
327.	10.676	34.784	0.00	10.636	26.673
361.	10.287	34.765	2.60	10.244	26.727
395.	9.639	34.715	1.84	9.594	26.798
446.	8.847	34.662	2.85	8.799	26.886
496.	8.302	34.629	2.52	8.250	26.945
595.	7.157	34.574	2.45	7.099	27.070
694.	6.314	34.554	2.17	6.251	27.168
787.	5.780	34.545	2.29	5.711	27.230
994.	4.626	34.556	2.19	4.546	27.375
1298.	3.480	34.588	2.30	3.384	27.520

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CAST TW3-87-OC-026 LAT 01 29.9S LONG 165 00.9E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.480	34.245	4.53	28.480	21.672
14.	28.384	34.243	4.52	28.381	21.703
27.	28.384	34.244	4.49	28.378	21.705
48.	28.381	34.247	4.54	28.370	21.710
59.	28.322	34.289	0.00	28.308	21.762
74.	25.750	34.951	3.77	25.734	23.081
88.	24.604	35.130	0.00	24.585	23.567
98.	24.395	35.137	3.31	24.374	23.635
146.	19.731	35.282	3.24	19.704	25.056
198.	13.928	35.038	3.27	13.899	26.238
248.	12.869	34.936	3.11	12.835	26.377
297.	11.568	34.847	2.85	11.530	26.559
347.	10.987	34.805	2.62	10.944	26.634
397.	10.369	34.766	2.68	10.322	26.714
447.	9.583	34.710	2.70	9.532	26.805
496.	8.657	34.650	2.84	8.604	26.907
547.	7.510	34.579	0.00	7.456	27.023
594.	7.157	34.554	3.42	7.099	27.054
646.	6.584	34.536	0.00	6.524	27.118
694.	6.137	34.539	2.72	6.075	27.179
746.	5.987	34.542	0.00	5.921	27.201
797.	5.641	34.539	2.53	5.572	27.242
995.	4.387	34.562	2.20	4.309	27.405
1295.	3.371	34.590	2.44	3.276	27.532

CAST TW3-87-OC-028 LAT 00 29.9S LONG 165 00.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.508	34.062	4.52	28.508	21.525
13.	28.513	34.061	4.49	28.510	21.524
28.	28.520	34.093	4.49	28.513	21.547
48.	28.538	34.062	4.51	28.527	21.519
56.	28.535	34.106	0.00	28.522	21.554
86.	24.946	35.089	3.31	24.927	23.432
118.	22.528	35.317	3.24	22.504	24.318
147.	17.418	35.289	3.25	17.393	25.643
173.	15.542	35.049	3.32	15.515	25.896
197.	14.507	34.862	3.28	14.478	25.980
227.	13.689	34.978	0.00	13.657	26.243
257.	13.309	34.950	0.00	13.273	26.300
298.	11.840	34.868	2.69	11.801	26.525
326.	11.212	34.824	0.00	11.171	26.608
356.	10.448	34.766	0.00	10.405	26.700
396.	9.653	34.715	1.69	9.608	26.796
446.	9.138	34.682	1.66	9.089	26.855
495.	8.225	34.627	2.24	8.173	26.955
595.	7.338	34.586	2.01	7.280	27.054
695.	6.197	34.549	2.28	6.134	27.179
796.	5.331	34.540	2.37	5.264	27.280
995.	4.366	34.562	2.17	4.288	27.407
1298.	3.359	34.592	2.38	3.264	27.535

CAST TW3-87-OC-029 LAT 00 05.4S LONG 165 10.0E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.599	34.085*	4.52	28.599*	21.513*
13.	28.596	34.095	4.45	28.593	21.522
29.	28.602	34.088	4.44	28.595	21.516
47.	28.605	34.092	4.52	28.594	21.519
47.	28.598	34.092	0.00	28.587	21.522
88.	24.067	35.018	3.13	24.048	23.642
89.	24.422	35.036	0.00	24.403	23.550
117.	21.952	35.254	3.22	21.929	24.432
149.	18.316	35.210	3.26	18.290	25.362
171.	17.368	35.242	3.31	17.339	25.620
197.	15.134	34.889	3.31	15.104	25.864
229.	13.735	34.966	0.00	13.702	26.224
257.	13.456	34.970	3.22	13.420	26.285
297.	12.281	34.899	2.93	12.242	26.465
326.	10.934	34.792	0.00	10.894	26.633
354.	9.834	34.721	1.77	9.793	26.770
389.	9.441	34.700	1.49	9.397	26.819
445.	8.550	34.644	2.70	8.503	26.918
495.	8.136	34.624	1.80	8.085	26.966
594.	7.131	34.582	1.89	7.074	27.080
695.	6.229	34.555	2.11	6.166	27.180
802.	5.563	34.548	2.18	5.494	27.259
995.	4.624	34.560	2.14	4.544	27.378
1303.	3.439	34.590	2.31	3.343	27.526

CAST TW3-87-OC-031 LAT 00 30.1N LONG 165 01.1E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.740	33.999	4.52	28.740	21.401
13.	28.697	34.004	4.46	28.694	21.420
28.	28.646	34.003	4.44	28.639	21.438
49.	28.589	34.072	4.51	28.577	21.510
67.	27.128	34.676	0.00	27.113	22.440
88.	25.382	34.920	3.50	25.363	23.172
102.	24.536	34.998	0.00	24.514	23.488
117.	22.192	35.168	0.00	22.169	24.300
147.	19.483	35.108	3.10	19.456	24.988
170.	18.741	35.026	3.21	18.711	25.116
198.	17.687	35.186	3.28	17.653	25.501
226.	13.568	34.923	0.00	13.536	26.225
258.	13.083	34.939	0.00	13.047	26.337
298.	12.483	34.894	2.77	12.443	26.422
327.	10.842	34.785	0.00	10.802	26.644
358.	10.190	34.748	0.00	10.148	26.730
400.	9.329	34.679	2.09	9.284	26.821
447.	8.847	34.663	1.99	8.798	26.887
500.	8.370	34.631	1.95	8.317	26.936
599.	7.088	34.577	2.04	7.030	27.082
697.	6.219	34.552	2.13	6.156	27.179
806.	5.555	34.546	2.22	5.486	27.258
997.	4.578	34.559	2.20	4.498	27.382
1286.	3.544	34.585	2.27	3.448	27.512

CAST TW3-87-OC-030 LAT 00 00.6N LONG 165 08.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.607	34.008	4.53	28.607	21.452
97.	22.344	35.192	3.13	22.325	24.274
198.	14.427	34.817	3.27	14.398	25.962
295.	11.222	34.824	1.91	11.185	26.605
495.	7.975	34.582	2.00	7.924	26.957
694.	6.004	34.576	2.02	5.942	27.225
895.	4.893	34.550	2.26	4.820	27.339
1094.	4.141	34.570	2.22	4.056	27.438
1294.	3.421	34.592	2.33	3.326	27.529
1496.	3.001	34.610	2.37	2.893	27.584
1695.	2.627	34.626	2.55	2.507	27.630
1895.	2.356	34.638	2.67	2.223	27.664
2094.	2.055	34.655	2.79	1.910	27.702
2295.	1.940	34.660	2.89	1.779	27.717
2496.	1.826	34.666	2.94	1.649	27.731
2696.	1.722	34.671	3.05	1.529	27.744
2898.	1.643	34.677	3.17	1.433	27.756
3098.	1.587	34.681	3.29	1.359	27.764
3298.	1.552	34.685	3.38	1.305	27.771
3497.	1.532	34.687	3.44	1.265	27.776
3699.	1.489	34.690	3.57	1.203	27.783
3901.	1.441	34.696	3.74	1.134	27.792
4098.	1.384	34.702	3.96	1.058	27.802
4352.	1.324	34.707	4.20	0.971	27.812

CAST TW3-87-OC-032 LAT 00 59.9N LONG 165 00.5E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.824	33.896	4.53	28.824	21.296
13.	28.640	33.901	4.53	28.637	21.362
28.	28.630	33.907	4.53	28.623	21.371
48.	28.657	34.085	4.51	28.646	21.497
69.	26.687	34.887	0.00	26.671	22.739
88.	23.446	35.027	3.11	23.428	23.832
103.	21.521	35.050	0.00	21.501	24.396
118.	21.186	35.048	3.08	21.163	24.487
146.	17.695	35.013	3.23	17.670	25.364
172.	17.103	35.132	3.30	17.075	25.599
197.	13.478	34.692	3.16	13.450	26.064
228.	13.317	34.933	0.00	13.285	26.284
256.	12.807	34.910	2.98	12.772	26.369
297.	11.672	34.844	2.40	11.634	26.538
319.	10.956	34.791	0.00	10.917	26.628
354.	9.893	34.713	2.02	9.852	26.753
395.	9.435	34.681	2.42	9.390	26.805
444.	8.767	34.640	2.32	8.719	26.881
495.	8.375	34.617	2.51	8.323	26.925
596.	6.916	34.563	2.21	6.859	27.094
696.	6.065	34.550	2.14	6.003	27.197
800.	5.368	34.545	2.22	5.300	27.279
996.	4.556	34.558	2.15	4.476	27.384
1292.	3.528	34.587	2.27	3.432	27.515

* Calculated from CTD values

CAST TW3-87-OC-033 LAT 01 34.3N LONG 164 59.8E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.597	33.903	4.52	28.597	21.377
13.	28.567	33.910	4.49	28.564	21.393
28.	28.512	33.928	4.49	28.505	21.426
47.	28.112	34.523	4.41	28.101	22.005
68.	27.063	34.836	0.00	27.047	22.581
88.	24.100	34.943	3.33	24.081	23.576
103.	22.583	35.060	0.00	22.562	24.106
118.	22.271	35.039	3.08	22.248	24.179
146.	17.096	34.973	3.25	17.072	25.477
171.	15.924	34.903	3.26	15.897	25.697
197.	12.637	34.647	3.02	12.611	26.197
227.	12.560	34.883	0.00	12.529	26.396
255.	12.257	34.878	0.00	12.223	26.452
297.	11.153	34.808	2.07	11.116	26.605
326.	10.647	34.768	0.00	10.607	26.666
357.	10.060	34.727	0.00	10.018	26.736
397.	9.344	34.669	2.50	9.300	26.811
447.	8.690	34.629	2.61	8.642	26.885
495.	7.994	34.599	2.36	7.943	26.968
596.	6.942	34.560	2.18	6.885	27.088
694.	6.182	34.551	2.14	6.119	27.183
795.	5.592	34.544	2.18	5.523	27.252
995.	4.514	34.560	2.17	4.435	27.390
1296.	3.613	34.585	2.19	3.516	27.505

CAST TW3-87-OC-035 LAT 02 02.7N LONG 165 02.7E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.627	33.878	4.52	28.627	21.348
13.	28.591	33.917	4.45	28.588	21.390
29.	28.546	33.963	4.29	28.539	21.441
48.	27.524	34.804	0.00	27.513	22.408
69.	25.011	34.914	0.00	24.996	23.279
88.	22.836	35.036	3.08	22.818	24.015
103.	21.659	35.039	0.00	21.639	24.350
117.	20.312	35.162	3.11	20.290	24.810
147.	17.280	34.949	3.36	17.255	25.415
173.	14.981	34.783	3.35	14.955	25.815
198.	12.350	34.834	0.00	12.324	26.398
227.	12.219	34.879	0.00	12.189	26.459
258.	11.929	34.852	2.80	11.896	26.495
296.	10.962	34.785	0.00	10.925	26.622
326.	10.595	34.759	0.00	10.556	26.668
355.	9.899	34.710	2.39	9.858	26.750
396.	9.335	34.674	2.50	9.291	26.816
445.	8.670	34.634	0.00	8.622	26.892
495.	8.236	34.610	0.00	8.184	26.940
593.	7.184	34.568	2.27	7.126	27.061
697.	6.086	34.548	1.99	6.024	27.193
794.	5.501	34.547	1.96	5.433	27.265
994.	4.435	34.563	2.21	4.356	27.401
1296.	3.644	34.585	0.00	3.546	27.502

CAST TW3-87-OC-034 LAT 02 00.2N LONG 165 01.5E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.716	33.886	4.58	28.716	21.324
96.	22.425	35.045	3.03	22.406	24.139
197.	12.091	34.671	2.88	12.065	26.322
297.	11.277	34.808	2.39	11.240	26.583
497.	8.321	34.611	2.56	8.269	26.928
694.	6.121	34.545	2.02	6.059	27.186
895.	4.900	34.550	2.20	4.827	27.338
1095.	4.205	34.566	2.23	4.120	27.429
1293.	3.649	34.583	2.11	3.552	27.500
1492.	3.036	34.605	2.24	2.928	27.576
1696.	2.637	34.620	2.50	2.517	27.625
1894.	2.372	34.635	2.57	2.239	27.660
2093.	2.182	34.644	2.69	2.035	27.684
2295.	1.966	34.656	0.00	1.805	27.711
2495.	1.814	34.665	2.91	1.638	27.731
2697.	1.744	34.669	0.00	1.550	27.741
2896.	1.673	34.674	3.13	1.462	27.751
3096.	1.625	34.675	3.22	1.396	27.757
3298.	1.595	34.681	3.30	1.347	27.765
3497.	1.535	34.685	3.43	1.268	27.774
3699.	1.495	34.689	3.55	1.208	27.781
3899.	1.458	34.694	3.68	1.151	27.789
3998.	1.442	34.696	3.75	1.125	27.793
4103.	1.410	34.699	3.84	1.082	27.798

CAST TW3-87-OC-036 LAT 02 59.9N LONG 164 59.9E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.425	33.932	4.56	28.425	21.455
14.	28.327	34.093	4.51	28.324	21.609
28.	28.266	34.229	4.46	28.259	21.732
48.	24.360	34.921	3.42	24.350	23.479
62.	23.492	34.918	0.00	23.479	23.734
72.	22.821	34.958	3.18	22.806	23.959
98.	22.008	35.043	3.10	21.989	24.255
122.	19.151	34.894	3.29	19.129	24.908
147.	17.480	34.783	3.24	17.455	25.240
196.	11.923	34.685	2.88	11.898	26.364
248.	11.830	34.851	2.53	11.798	26.512
295.	11.256	34.813	2.51	11.219	26.591
347.	10.005	34.724	0.00	9.965	26.743
396.	9.328	34.678	2.29	9.284	26.820
447.	8.482	34.598	0.00	8.435	26.892
498.	8.036	34.600	2.63	7.985	26.962
547.	7.436	34.576	0.00	7.382	27.031
595.	6.958	34.560	2.28	6.901	27.086
645.	6.638	34.562	0.00	6.578	27.131
696.	6.420	34.555	1.92	6.356	27.155
744.	5.846	34.547	0.00	5.781	27.223
797.	5.451	34.551	1.55	5.383	27.274
994.	4.244	34.567	2.22	4.167	27.424
1294.	3.523	34.588	2.13	3.427	27.516

CAST TW3-87-OC-037 LAT 04 00.8N LONG 165 00.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.657	33.998	4.53	28.657	21.428
15.	28.592	34.044	4.51	28.588	21.485
27.	28.458	34.473	4.42	28.452	21.853
47.	26.667	34.993	3.80	26.656	22.824
68.	24.622	35.048	0.00	24.607	23.498
72.	24.566	35.055	2.10	24.551	23.520
103.	21.436	34.949	3.22	21.416	24.343
123.	19.328	34.894	3.11	19.306	24.863
148.	15.944	34.712	2.85	15.921	25.545
198.	11.172	34.575	1.52	11.147	26.418
248.	9.725	34.611	1.25	9.697	26.700
296.	9.075	34.621	1.38	9.043	26.815
346.	8.612	34.628	0.00	8.575	26.894
398.	8.213	34.603	2.08	8.172	26.937
445.	7.870	34.592	0.00	7.825	26.980
496.	7.588	34.590	1.63	7.539	27.020
546.	7.280	34.588	0.00	7.227	27.063
595.	6.709	34.567	1.22	6.653	27.125
646.	6.467	34.566	0.00	6.408	27.157
696.	6.091	34.556	1.44	6.029	27.198
742.	5.840	34.555	0.00	5.775	27.230
816.	5.248	34.551	1.68	5.179	27.298
996.	4.356	34.566	1.89	4.278	27.412
1296.	3.550	34.590	1.98	3.453	27.515

CAST TW3-87-OC-039 LAT 05 59.7N LONG 164 58.4E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.924	33.632	4.53	28.924	21.065
14.	28.799	33.833	4.52	28.796	21.258
28.	28.728	33.870	4.51	28.721	21.311
47.	28.780	34.115	4.56	28.769	21.479
49.	28.781	34.085	0.00	28.769	21.456
72.	26.816	34.685	4.40	26.800	22.546
98.	21.212	34.919	4.08	21.193	24.381
122.	18.415	34.845	3.62	18.394	25.057
147.	14.191	34.572	2.71	14.170	25.821
197.	10.269	34.624	1.00	10.246	26.617
245.	9.556	34.655	1.01	9.528	26.762
296.	9.214	34.657	1.03	9.181	26.821
347.	8.837	34.645	0.00	8.800	26.872
396.	8.543	34.633	1.05	8.501	26.910
447.	8.099	34.609	0.00	8.053	26.959
495.	7.788	34.598	1.18	7.738	26.997
545.	7.360	34.585	0.00	7.307	27.049
596.	6.983	34.573	0.88	6.926	27.093
646.	6.731	34.567	0.00	6.670	27.123
694.	6.329	34.557	1.05	6.266	27.169
744.	5.969	34.553	0.00	5.903	27.212
813.	5.622	34.554	1.41	5.551	27.256
995.	4.675	34.560	1.58	4.595	27.372
1294.	3.648	34.586	1.90	3.551	27.502

CAST TW3-87-OC-038 LAT 05 00.4N LONG 165 00.3E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.992	33.845	4.52	28.992	21.202
13.	28.833	33.914	4.50	28.830	21.308
28.	28.792	34.094	4.82	28.785	21.458
49.	26.953	34.749	4.30	26.942	22.549
61.	25.504	34.808	0.00	25.491	23.048
73.	23.908	34.790	3.84	23.893	23.516
97.	20.791	34.888	3.21	20.773	24.472
122.	18.044	34.773	3.05	18.023	25.094
148.	15.045	34.680	2.67	15.023	25.721
198.	10.809	34.584	1.53	10.785	26.491
248.	9.699	34.651	0.93	9.671	26.735
294.	9.373	34.654	1.11	9.340	26.792
346.	9.072	34.650	0.00	9.034	26.839
396.	8.472	34.629	1.20	8.430	26.917
445.	8.038	34.613	0.00	7.992	26.971
497.	7.656	34.600	0.81	7.606	27.018
545.	7.127	34.581	0.00	7.075	27.079
597.	6.586	34.566	0.87	6.531	27.141
646.	6.277	34.561	0.00	6.218	27.178
695.	5.910	34.555	1.24	5.849	27.220
748.	5.669	34.553	0.00	5.604	27.249
795.	5.436	34.553	1.42	5.368	27.278
995.	4.548	34.564	1.70	4.468	27.390
1300.	3.570	34.588	1.97	3.473	27.512

CAST TW3-87-OC-040 LAT 07 00.2N LONG 165 00.2E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.017	33.865	4.50	29.017	21.209
14.	28.750	33.950	0.00	28.747	21.362
28.	28.641	34.002	0.00	28.634	21.439
48.	28.620	34.176	4.53	28.609	21.578
49.	28.619	34.214	0.00	28.607	21.607
72.	27.228	34.544	0.00	27.212	22.309
98.	22.691	34.795	4.14	22.671	23.874
123.	16.661	34.694	0.00	16.641	25.365
147.	13.482	34.546	0.00	13.461	25.948
197.	11.140	34.577	1.32	11.116	26.426
248.	9.878	34.650	0.92	9.850	26.705
299.	9.235	34.639	0.72	9.202	26.803
345.	8.840	34.638	1.09	8.803	26.866
398.	8.527	34.617	0.92	8.485	26.900
448.	8.287	34.614	1.06	8.240	26.935
497.	7.749	34.587	1.08	7.699	26.994
545.	7.288	34.570	1.20	7.235	27.047
596.	6.868	34.562	1.24	6.812	27.100
646.	6.438	34.550	1.41	6.379	27.148
694.	6.082	34.551	1.27	6.020	27.196
744.	5.759	34.551	1.24	5.694	27.236
798.	5.392	34.551	1.32	5.324	27.281
994.	4.513	34.562	1.77	4.434	27.392
1296.	3.483	34.590	1.94	3.387	27.521

CAST TW3-87-OC-041 LAT 08 00.3N LONG 164 59.6E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.006	33.863	4.52	29.006	21.211
14.	28.678	33.931	0.00	28.675	21.372
29.	28.696	34.017	0.00	28.689	21.432
48.	28.037	34.392	0.00	28.026	21.931
48.	28.005	34.403	4.53	27.994	21.950
73.	26.758	34.561	4.62	26.741	22.471
98.	24.055	34.796	4.05	24.034	23.478
122.	18.405	34.803	3.54	18.384	25.027
148.	15.008	34.599	2.93	14.986	25.667
197.	11.112	34.569	1.27	11.088	26.424
248.	9.891	34.639	0.94	9.862	26.694
292.	9.402	34.643	0.70	9.369	26.779
347.	8.913	34.624	0.00	8.875	26.844
396.	8.491	34.609	0.80	8.449	26.899
447.	8.190	34.607	0.00	8.144	26.944
497.	7.914	34.599	1.19	7.863	26.979
544.	7.581	34.586	0.00	7.527	27.018
596.	7.053	34.559	0.92	6.996	27.072
645.	6.679	34.554	0.00	6.619	27.120
695.	6.295	34.546	1.06	6.232	27.164
746.	5.912	34.544	0.00	5.846	27.212
792.	5.568	34.545	1.20	5.500	27.255
995.	4.508	34.560	1.50	4.429	27.391
1296.	3.596	34.584	1.76	3.499	27.506

CAST TW3-87-OC-042 LAT 08 03.1N LONG 164 56.5E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.285	33.739	4.54	29.285	21.025
12.	28.720	33.920	4.48	28.717	21.350
28.	28.710	34.010	4.55	28.703	21.422
49.	27.675	34.477	4.66	27.664	22.113
73.	26.992	34.547	4.57	26.975	22.387
96.	25.553	34.662	4.52	25.532	22.925
148.	13.070	34.520	1.95	13.050	26.012
197.	10.986	34.571	1.01	10.962	26.449
246.	10.073	34.631	0.71	10.044	26.657
296.	9.327	34.639	0.54	9.294	26.788
396.	8.635	34.616	0.60	8.593	26.882
496.	7.948	34.597	1.01	7.897	26.973
596.	7.056	34.559	0.65	6.999	27.072
694.	6.080	34.543	0.82	6.018	27.189
795.	5.512	34.544	1.17	5.444	27.261
993.	4.551	34.559	1.26	4.472	27.385
1495.	2.909	34.609	1.88	2.803	27.591
1994.	2.186	34.645	2.18	2.047	27.684
2495.	1.838	34.665	2.60	1.661	27.729
2997.	1.666	34.677	2.84	1.446	27.755
3497.	1.528	34.686	3.21	1.261	27.775
3998.	1.428	34.697	3.53	1.111	27.794
4499.	1.389	34.704	3.67	1.017	27.806
5104.	1.374	34.709	3.77	0.931	27.816

CAST TW3-87-OC-042 LAT 08 03.1N LONG 164 56.5E

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.285	33.739	4.54	29.285	21.025
12.	28.720	33.920	4.48	28.717	21.350
28.	28.710	34.010	4.55	28.703	21.422
49.	27.675	34.477	4.66	27.664	22.113
73.	26.992	34.547	4.57	26.975	22.387
96.	25.553	34.662	4.52	25.532	22.925
148.	13.070	34.520	1.95	13.050	26.012
197.	10.986	34.571	1.01	10.962	26.449
246.	10.073	34.631	0.71	10.044	26.657
296.	9.327	34.639	0.54	9.294	26.788
396.	8.635	34.616	0.60	8.593	26.882
496.	7.948	34.597	1.01	7.897	26.973
596.	7.056	34.559	0.65	6.999	27.072
694.	6.080	34.543	0.82	6.018	27.189
795.	5.512	34.544	1.17	5.444	27.261
993.	4.551	34.559	1.26	4.472	27.385
1495.	2.909	34.609	1.88	2.803	27.591
1994.	2.186	34.645	2.18	2.047	27.684
2495.	1.838	34.665	2.60	1.661	27.729
2997.	1.666	34.677	2.84	1.446	27.755
3497.	1.528	34.686	3.21	1.261	27.775
3998.	1.428	34.697	3.53	1.111	27.794
4499.	1.389	34.704	3.67	1.017	27.806
5104.	1.374	34.709	3.77	0.931	27.816